

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080618\  
 Data File : VW004476.D  
 Acq On : 06 Aug 2018 18:18  
 Operator : SY/AP  
 Sample : VSTDIC005  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

apatel  
 8/7/2018 4:48:50 PM

Quant Time: Aug 07 08:07:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W080618S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 07:40:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 693716   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 1120843  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 1075697  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 574507   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |        |      |
|---------------------------|--------|-----|----------|------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 39977    | 5.65 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 11.30% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 38142    | 5.34 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 10.68% |      |
| 50) Toluene-d8            | 10.33  | 98  | 136825   | 4.87 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 9.74%  |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 48000    | 4.81 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 9.62%  |      |

## Target Compounds

|                               |      |     |        |       |      | Qvalue |
|-------------------------------|------|-----|--------|-------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 24725  | 8.79  | ug/l | 97     |
| 3) Chloromethane              | 2.22 | 50  | 34292  | 7.73  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.37 | 62  | 48117  | 6.70  | ug/l | 93     |
| 5) Bromomethane               | 2.78 | 94  | 28246  | 6.12  | ug/l | 89     |
| 6) Chloroethane               | 2.92 | 64  | 27571  | 6.15  | ug/l | 95     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 15892  | 4.01  | ug/l | 95     |
| 8) Diethyl Ether              | 3.68 | 74  | 23122  | 6.19  | ug/l | 92     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 37509  | 5.32  | ug/l | 94     |
| 10) Methyl Iodide             | 4.27 | 142 | 57088  | 5.44  | ug/l | 97     |
| 11) Tert butyl alcohol        | 5.20 | 59  | 12259m | 24.10 | ug/l |        |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 40078  | 5.71  | ug/l | 94     |
| 13) Acrolein                  | 3.90 | 56  | 13618  | 29.05 | ug/l | 95     |
| 14) Allyl chloride            | 4.66 | 41  | 55653  | 5.01  | ug/l | 99     |
| 15) Acrylonitrile             | 5.37 | 53  | 45919  | 28.22 | ug/l | 99     |
| 16) Acetone                   | 4.14 | 43  | 53226  | 32.95 | ug/l | 97     |
| 17) Carbon Disulfide          | 4.37 | 76  | 122987 | 5.67  | ug/l | 100    |
| 18) Methyl Acetate            | 4.67 | 43  | 25643  | 6.07  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 46229  | 3.83  | ug/l | 96     |
| 20) Methylene Chloride        | 4.92 | 84  | 128101 | 16.41 | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 42077  | 5.59  | ug/l | 88     |
| 22) Diisopropyl ether         | 6.32 | 45  | 101040 | 4.74  | ug/l | 92     |
| 23) Vinyl Acetate             | 6.26 | 43  | 288891 | 23.16 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 76932  | 5.59  | ug/l | 99     |
| 25) 2-Butanone                | 7.18 | 43  | 71944  | 34.27 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 45530  | 5.85  | ug/l | 93     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 43483  | 5.64  | ug/l | 97     |
| 28) Bromochloromethane        | 7.51 | 49  | 34092  | 6.81  | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.54 | 42  | 34309  | 26.58 | ug/l | 99     |
| 30) Chloroform                | 7.68 | 83  | 77295  | 5.89  | ug/l | 95     |
| 31) Cyclohexane               | 7.96 | 56  | 75254  | 6.16  | ug/l | # 79   |
| 32) 1,1,1-Trichloroethane     | 7.88 | 97  | 57211  | 5.39  | ug/l | 97     |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 56915  | 5.02  | ug/l | 98     |
| 37) Ethyl Acetate             | 7.26 | 43  | 26144  | 5.56  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 54772  | 4.95  | ug/l | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080618\  
 Data File : VW004476.D  
 Acq On : 06 Aug 2018 18:18  
 Operator : SY/AP  
 Sample : VSTDIC005  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDIC005

Manual Integrations  
 APPROVED

apatel  
 8/7/2018 4:48:50 PM

Quant Time: Aug 07 08:07:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W080618S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 07:40:37 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 39) Methylcyclohexane          | 9.34  | 83   | 65327    | 4.74  | ug/l   | 97       |
| 40) Benzene                    | 8.32  | 78   | 173786   | 5.42  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.48  | 41   | 14552    | 5.41  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 48421    | 5.31  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 41739    | 4.94  | ug/l   | 97       |
| 44) Trichloroethene            | 9.09  | 130  | 42723    | 4.99  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 43181    | 5.43  | ug/l   | 96       |
| 46) Dibromomethane             | 9.46  | 93   | 21919    | 5.38  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.65  | 83   | 52390    | 5.14  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.44  | 41   | 17754    | 4.16  | ug/l # | 90       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 6019     | 97.26 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 137628   | 28.00 | ug/l   | 97       |
| 52) Toluene                    | 10.39 | 92   | 96927    | 4.85  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 47643    | 4.67  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 55356    | 4.65  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 31563    | 5.46  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 29740    | 4.23  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.94 | 76   | 53501    | 5.41  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 65554    | 20.37 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.98 | 43   | 92331    | 27.45 | ug/l   | 95       |
| 60) Dibromochloromethane       | 11.13 | 129  | 32605    | 4.75  | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 28646    | 5.18  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.87 | 164  | 36638    | 4.68  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.66 | 112  | 116011   | 5.12  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 38104    | 4.76  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.74 | 91   | 175885   | 4.44  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.85 | 106  | 133465   | 8.77  | ug/l   | 99       |
| 69) o-Xylene                   | 12.17 | 106  | 60158    | 4.28  | ug/l   | 100      |
| 70) Styrene                    | 12.19 | 104  | 98075    | 4.11  | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 20229    | 4.52  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.47 | 105  | 164914   | 4.12  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.28 | 43   | 36711    | 4.17  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 39563    | 5.51  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 31811m   | 6.13  | ug/l   |          |
| 77) Bromobenzene               | 12.76 | 156  | 44450    | 4.61  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.81 | 91   | 204881   | 4.21  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 124870   | 4.47  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 137003   | 3.97  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 10589    | 4.63  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 136254   | 4.59  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 114794   | 4.00  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 144311   | 4.09  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.39 | 105  | 179844   | 4.29  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 149652   | 3.98  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 95006    | 4.90  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 98567    | 5.09  | ug/l   | 95       |
| 89) n-Butylbenzene             | 13.83 | 91   | 153208   | 4.33  | ug/l   | 97       |
| 90) Hexachloroethane           | 14.10 | 117  | 32148    | 4.79  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 84856    | 4.88  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 6380     | 5.13  | ug/l   | 94       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080618\  
Data File : VW004476.D  
Acq On : 06 Aug 2018 18:18  
Operator : SY/AP  
Sample : VSTDICC005  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

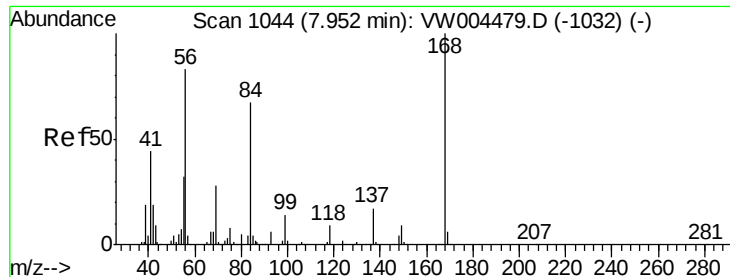
apatel  
8/7/2018 4:48:50 PM

Quant Time: Aug 07 08:07:38 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W080618S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 07:40:37 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.15 | 180  | 54986    | 4.51 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 34777    | 4.69 | ug/l  | 97       |
| 95) Naphthalene            | 15.38 | 128  | 85932    | 4.02 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 48915    | 4.55 | ug/l  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 693716

Ion Ratio Lower Upper

168 100

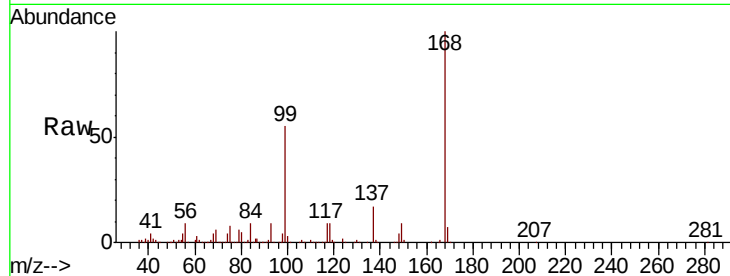
99 54.9 44.1 66.1

Manual Integrations

APPROVED

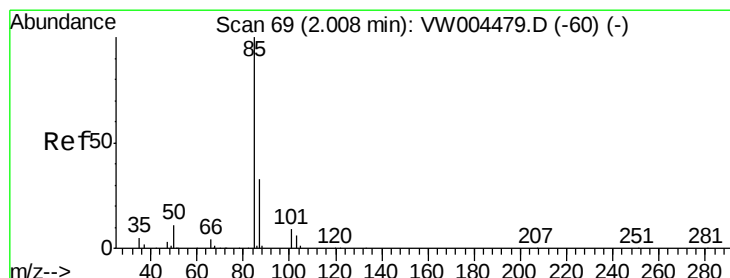
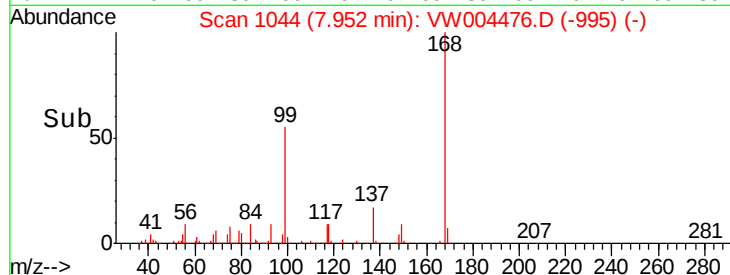
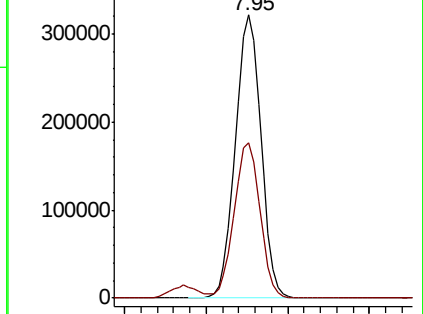
apatel

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 8.79 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004476.D

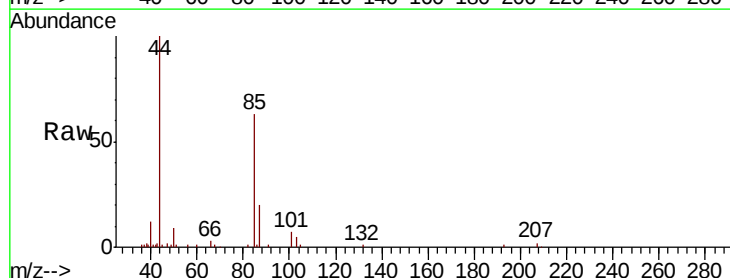
Acq: 06 Aug 2018 18:18

Tgt Ion: 85 Resp: 24725

Ion Ratio Lower Upper

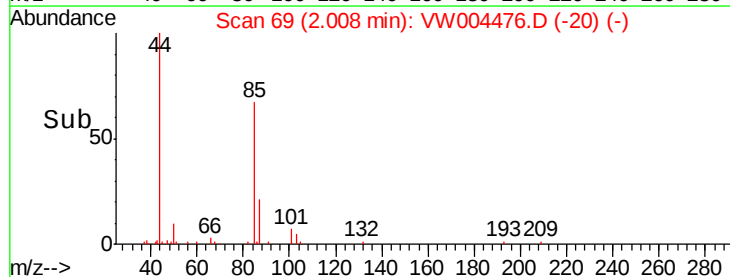
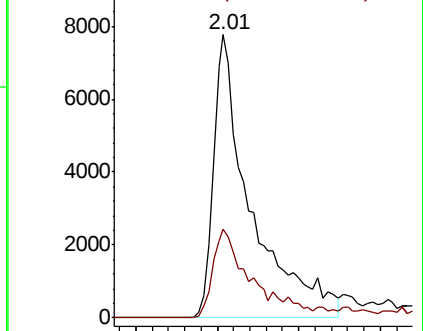
85 100

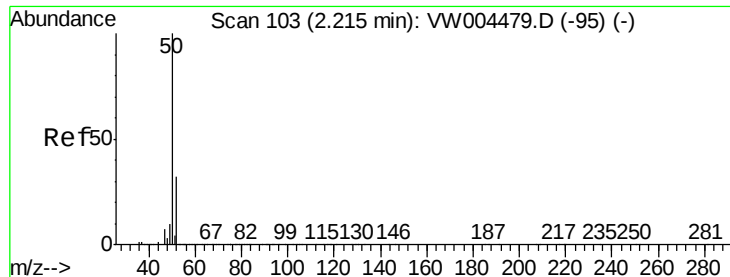
87 31.5 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 7.73 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 34292

Ion Ratio Lower Upper

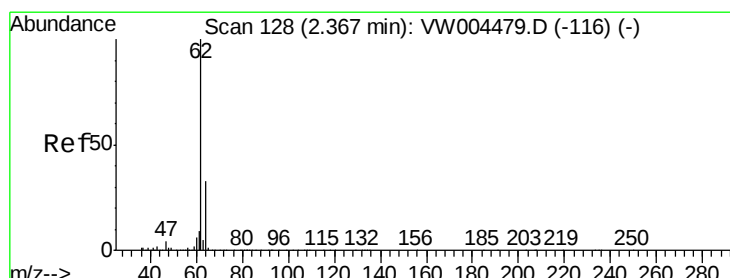
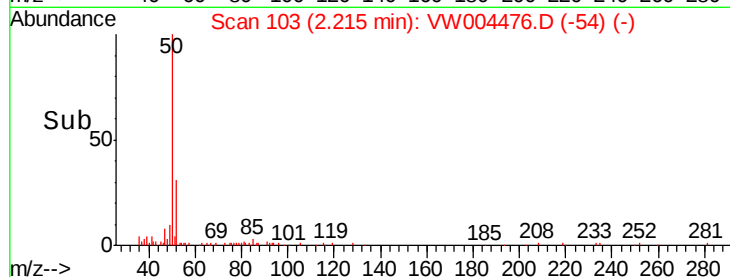
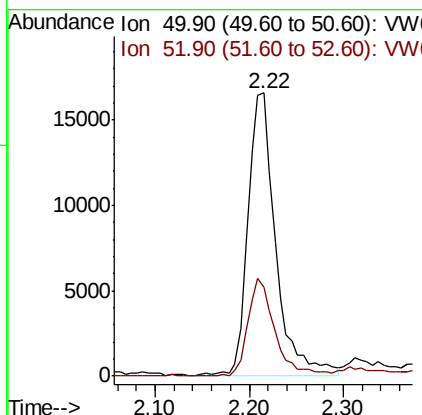
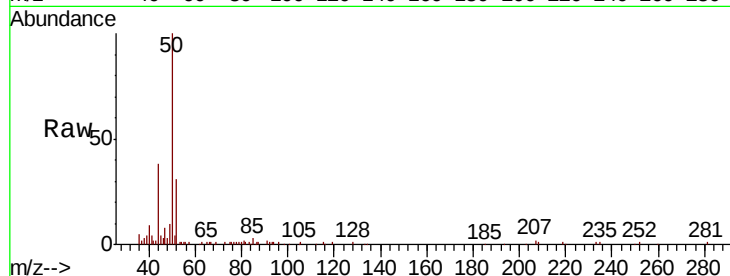
50 100

52 31.2 25.8 38.8

Manual Integrations  
APPROVED

apatel

8/7/2018 4:48:50 PM



#4

Vinyl Chloride

Concen: 6.70 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004476.D

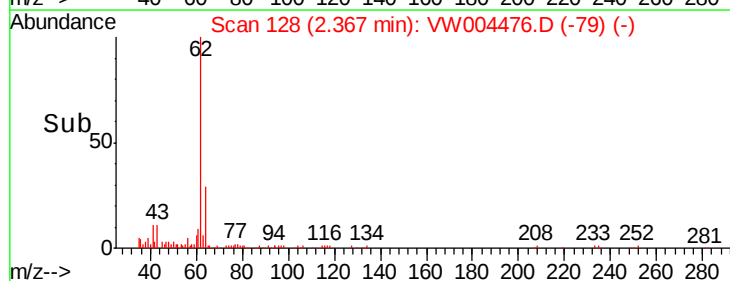
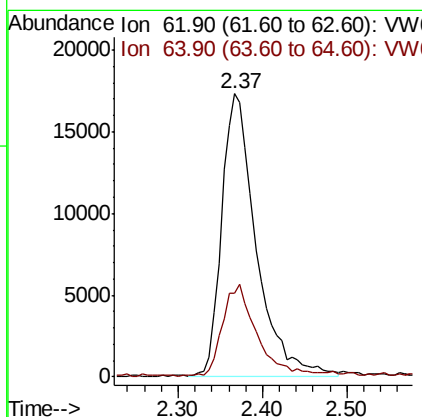
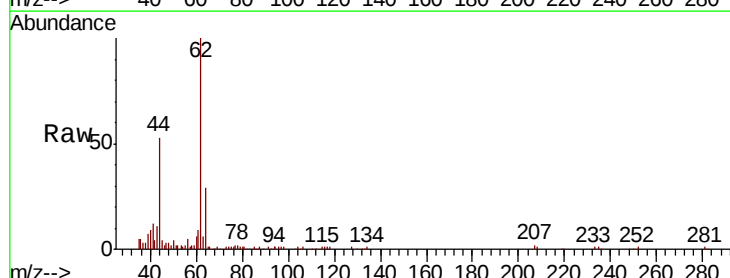
Acq: 06 Aug 2018 18:18

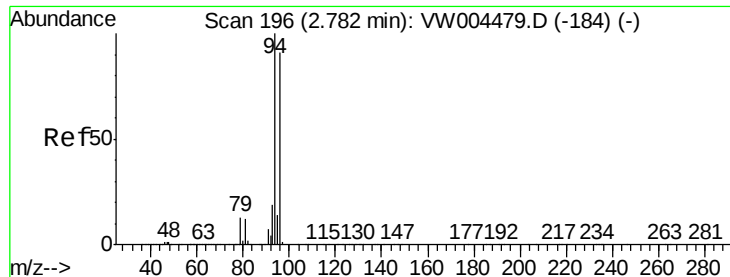
Tgt Ion: 62 Resp: 48117

Ion Ratio Lower Upper

62 100

64 29.0 26.2 39.2





#5

Bromomethane

Concen: 6.12 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 28246

Ion Ratio Lower Upper

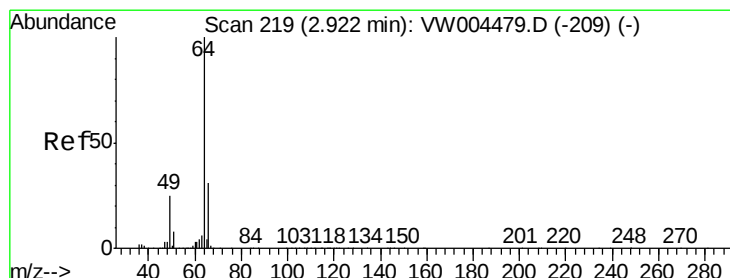
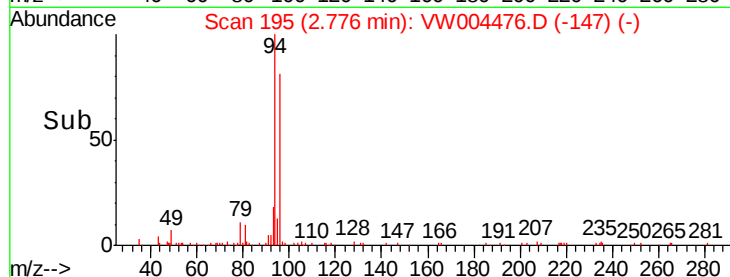
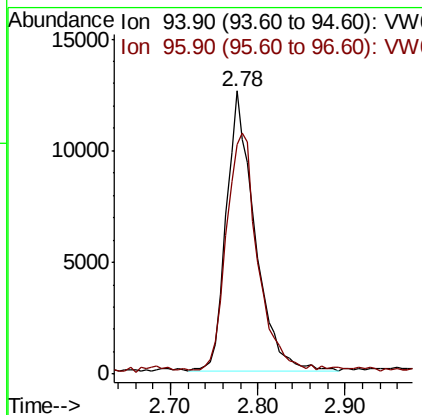
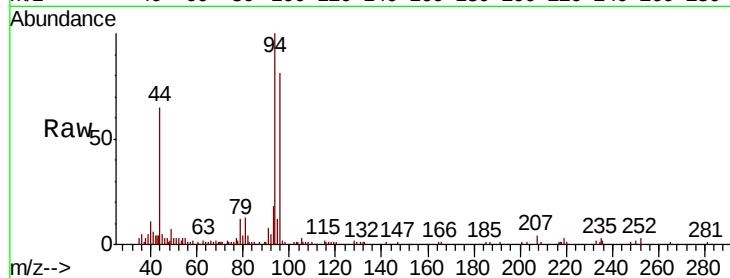
94 100

96 80.4 72.9 109.3

Manual Integrations  
APPROVED

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#6

Chloroethane

Concen: 6.15 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004476.D

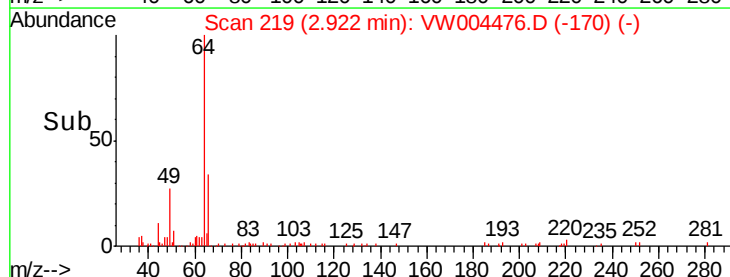
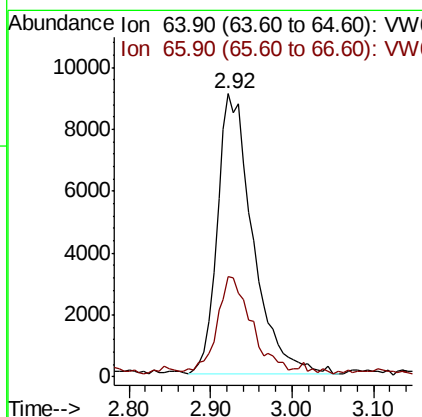
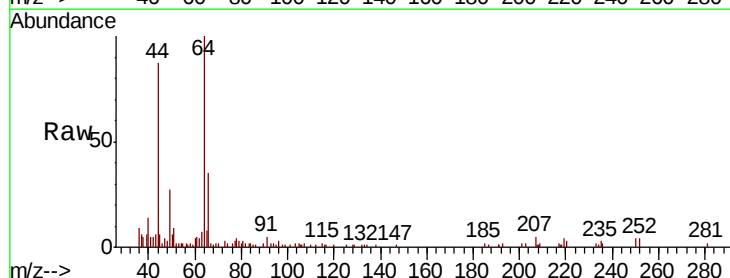
Acq: 06 Aug 2018 18:18

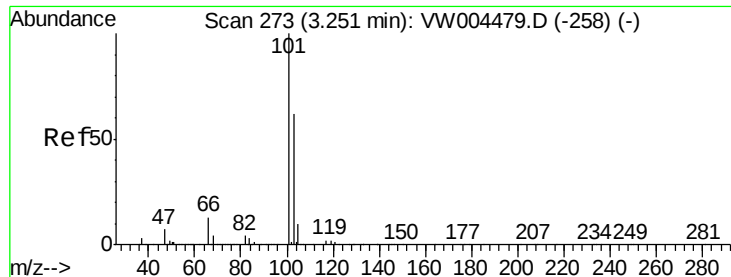
Tgt Ion: 64 Resp: 27571

Ion Ratio Lower Upper

64 100

66 33.5 24.6 36.8





#7

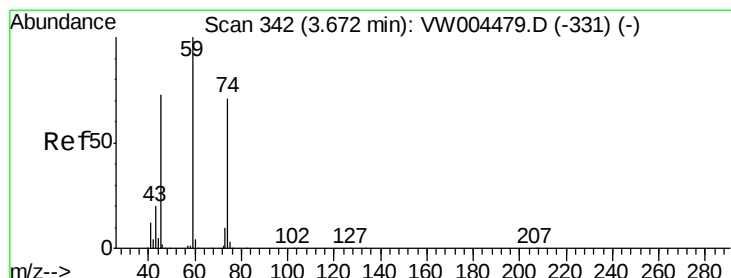
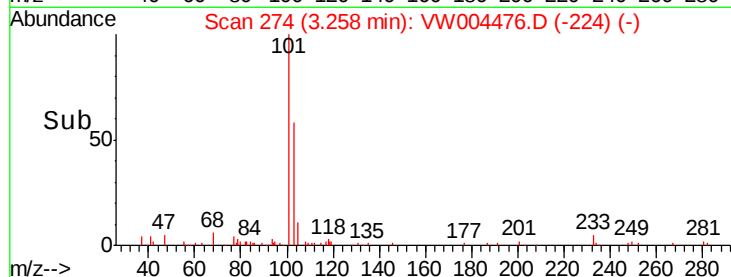
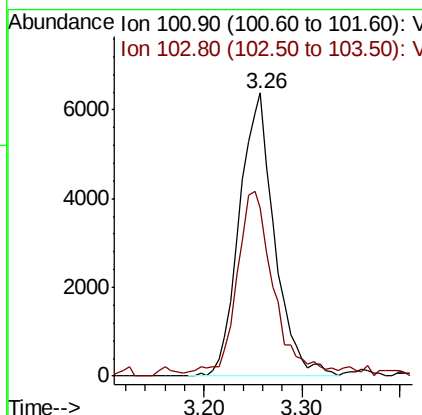
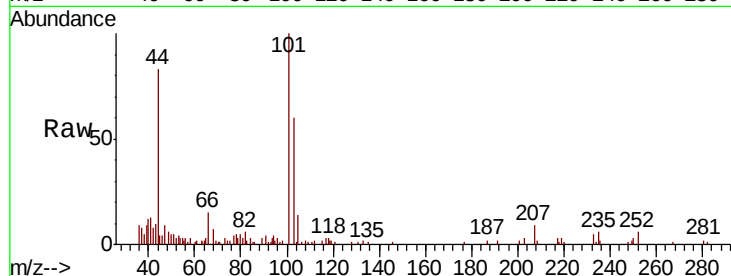
Trichlorofluoromethane  
Concen: 4.01 ug/l  
RT: 3.26 min Scan# 274  
Delta R.T. 0.01 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 58.3  | 49.8  | 74.8  |

Manual Integrations  
APPROVED

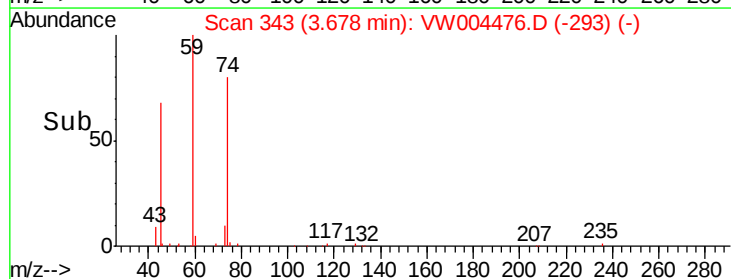
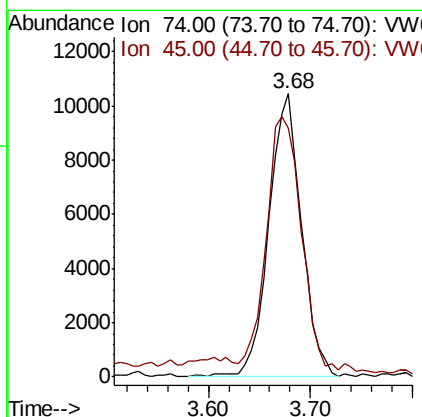
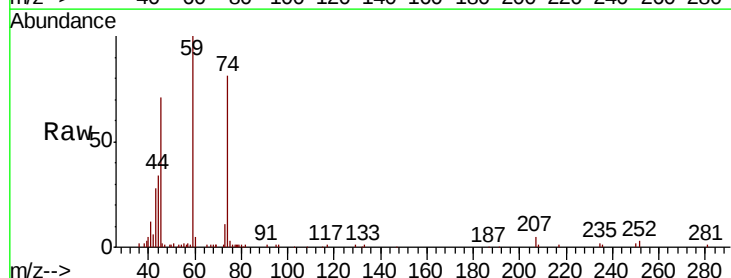
apatel  
8/7/2018 4:48:50 PM

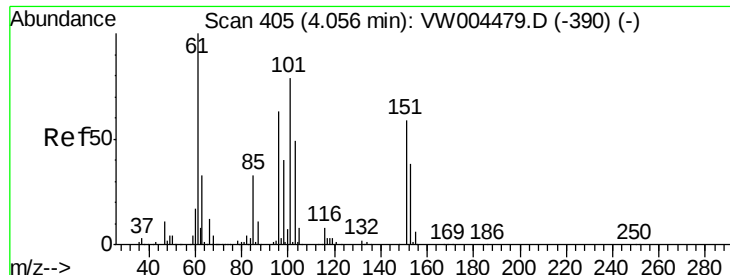


#8

Diethyl Ether  
Concen: 6.19 ug/l  
RT: 3.68 min Scan# 343  
Delta R.T. 0.01 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 94.8  | 51.2  | 153.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.32 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

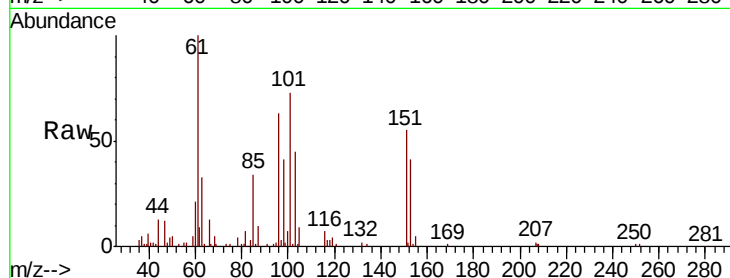
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 37509 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.9  | 34.6  | 51.8  |
| 151       | 83.7  | 61.3  | 91.9  |

Manual Integrations  
APPROVED

apatel  
8/7/2018 4:48:50 PM

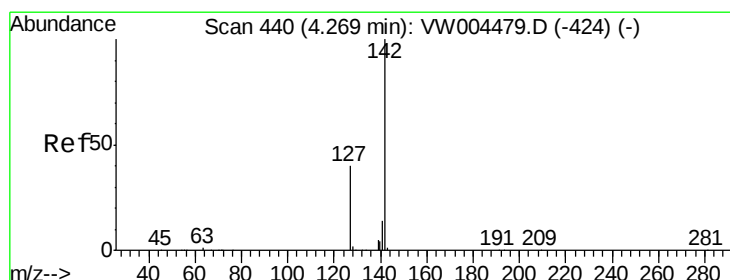
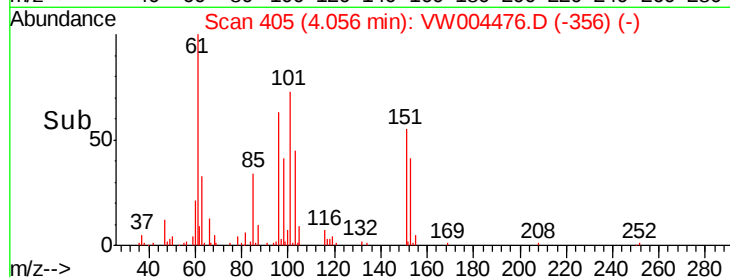
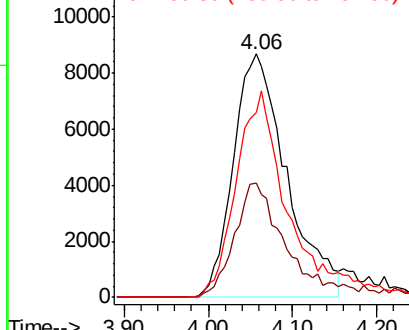


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.44 ug/l

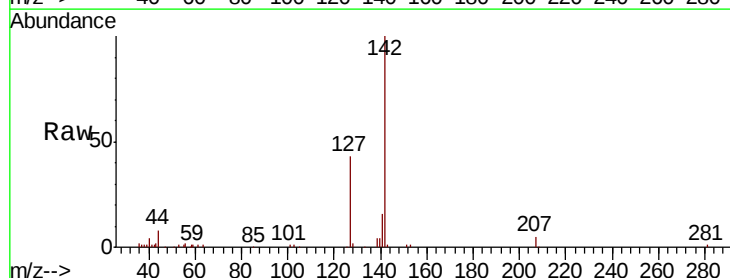
RT: 4.27 min Scan# 440

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 57088 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.6  | 32.7  | 49.1  |
| 141       | 15.3  | 11.5  | 17.3  |

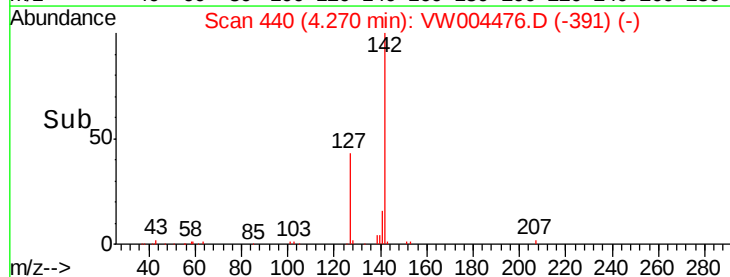
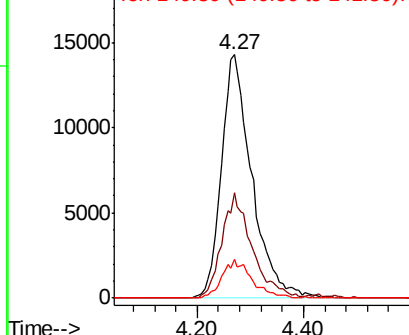


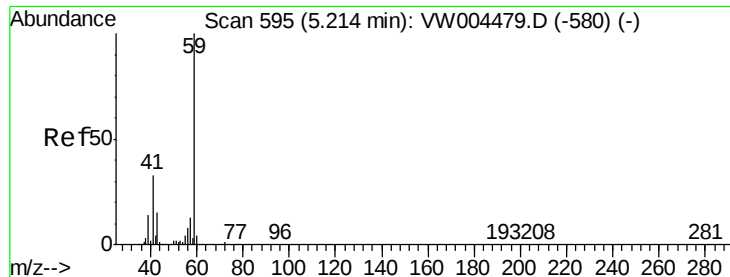
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

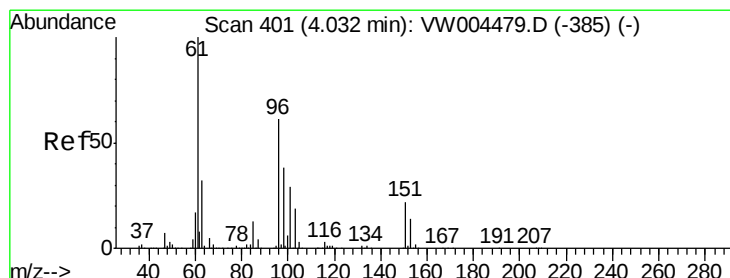
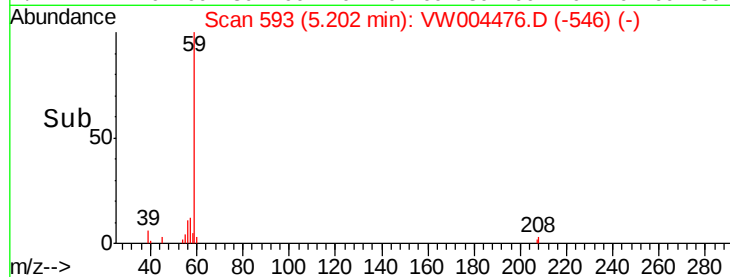
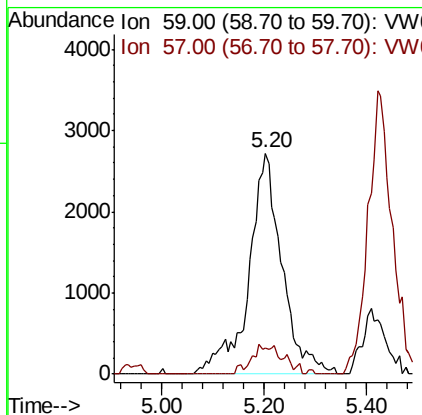
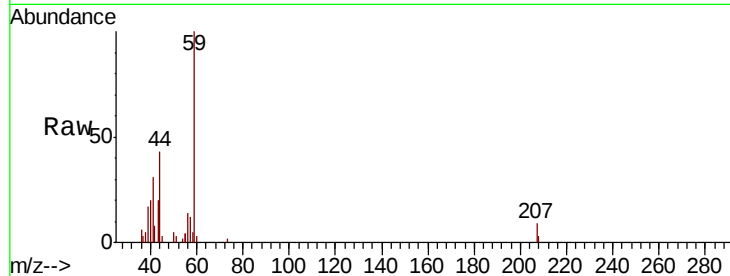
Tert butyl alcohol  
 Concen: 24.10 ug/l m  
 RT: 5.20 min Scan# 593  
 Delta R.T. -0.01 min  
 Lab File: VW004476.D  
 Acq: 06 Aug 2018 18:18

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 4.5   | 9.1   | 13.7# |

Manual Integrations  
 APPROVED

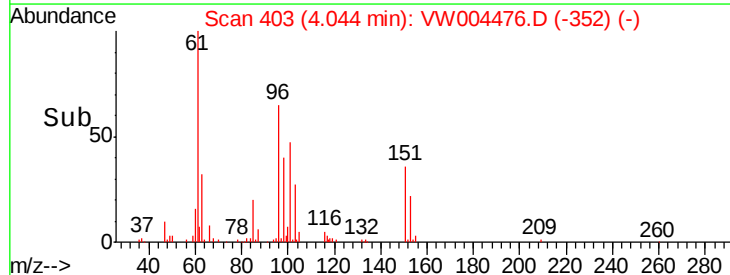
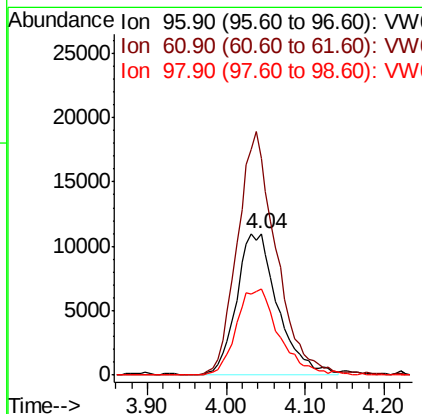
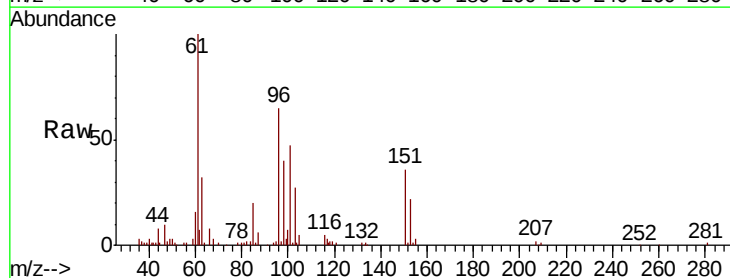
apatel  
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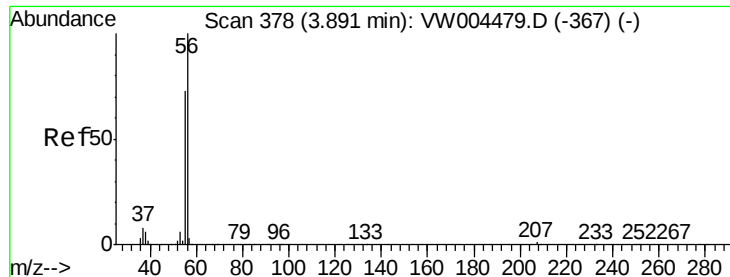


#12

1,1-Dichloroethene  
 Concen: 5.71 ug/l  
 RT: 4.04 min Scan# 403  
 Delta R.T. 0.01 min  
 Lab File: VW004476.D  
 Acq: 06 Aug 2018 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 152.7 | 130.6 | 195.8 |
| 98      | 60.9  | 49.6  | 74.4  |





#13

Acrolein

Concen: 29.05 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 13618

Ion Ratio Lower Upper

56 100

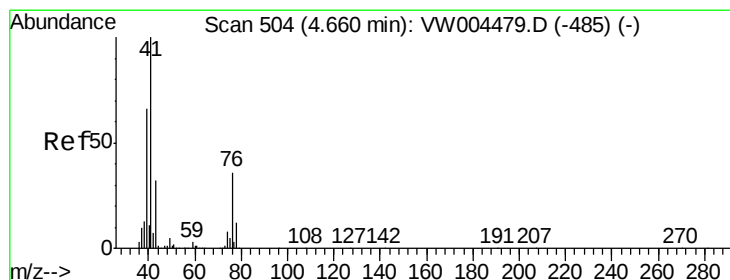
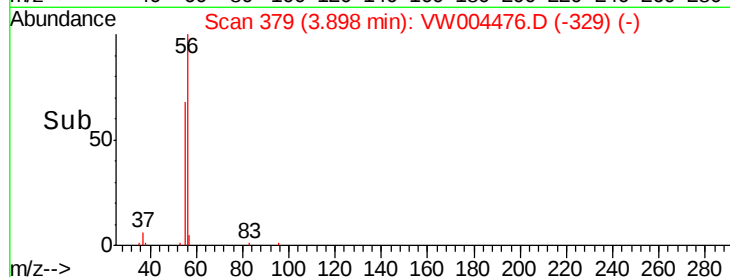
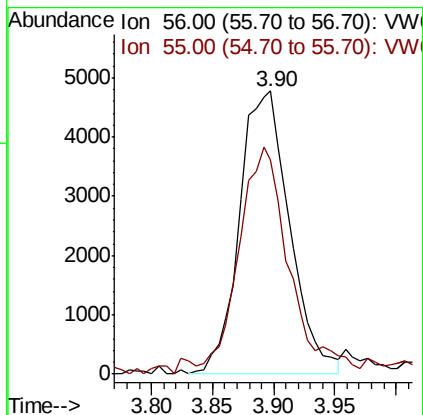
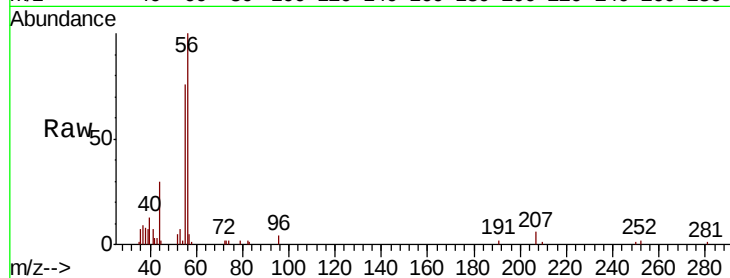
55 75.3 56.7 85.1

Manual Integrations

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apatel

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#14

Allyl chloride

Concen: 5.01 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

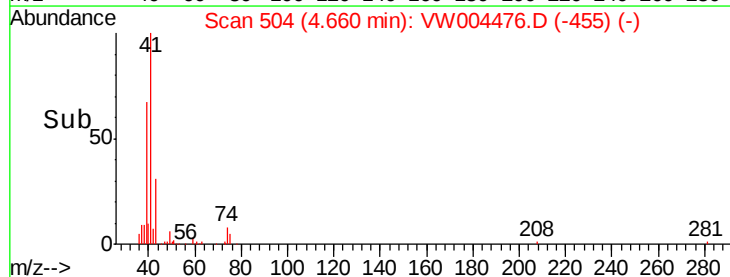
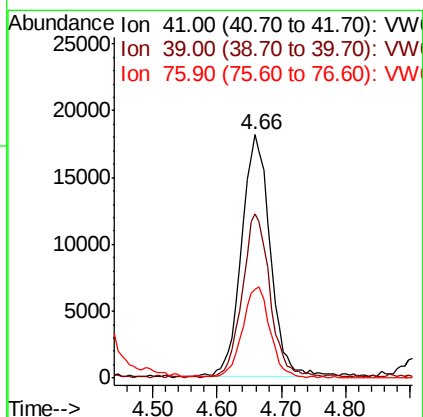
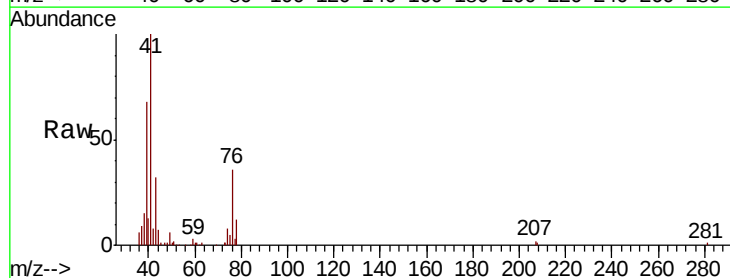
Tgt Ion: 41 Resp: 55653

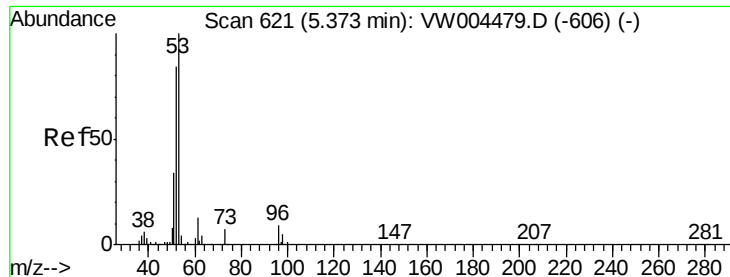
Ion Ratio Lower Upper

41 100

39 66.0 51.9 77.9

76 36.4 29.0 43.6





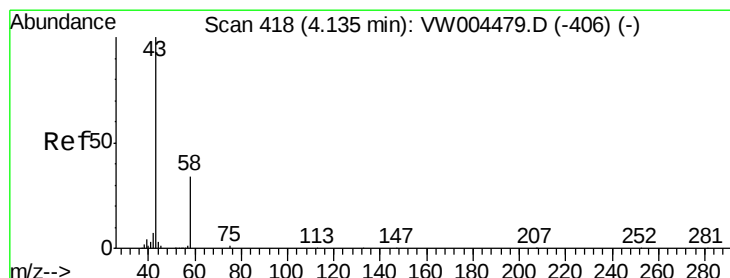
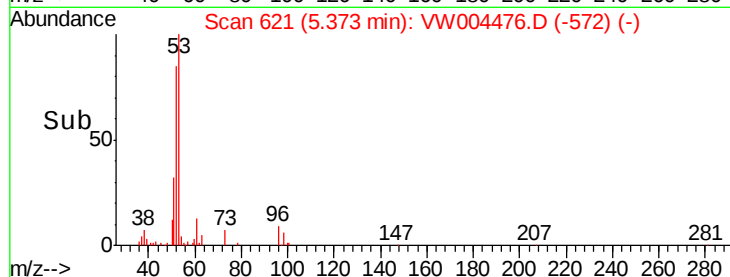
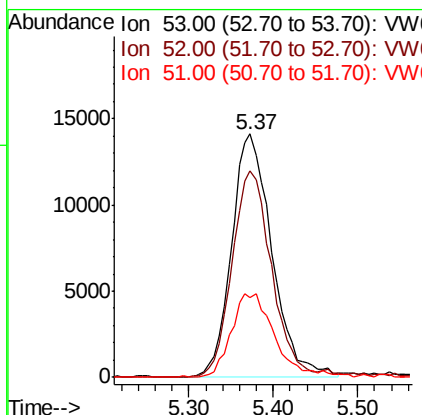
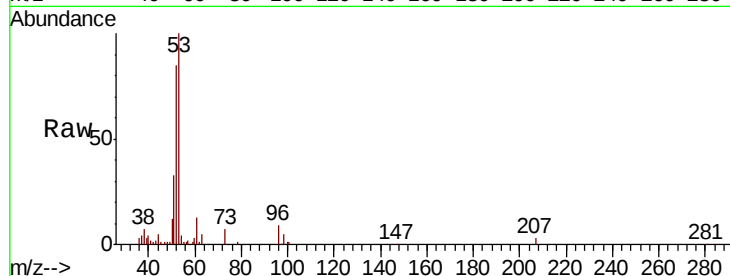
#15  
 Acrylonitrile  
 Concen: 28.22 ug/l  
 RT: 5.37 min Scan# 621  
 Delta R.T. 0.00 min  
 Lab File: VW004476.D  
 Acq: 06 Aug 2018 18:18

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 45919 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.6  | 66.5  | 99.7  |
| 51       | 36.8  | 28.4  | 42.6  |

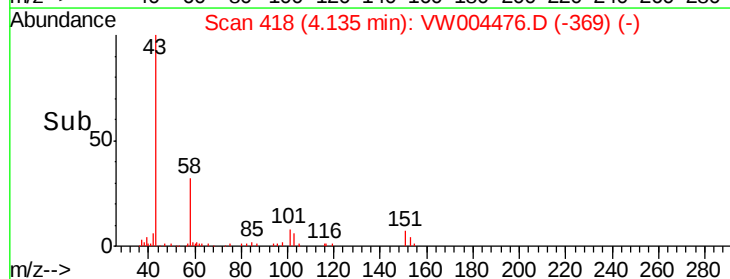
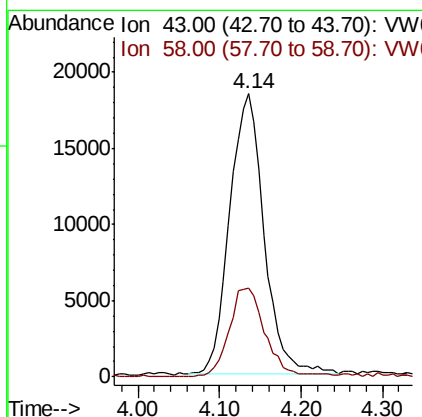
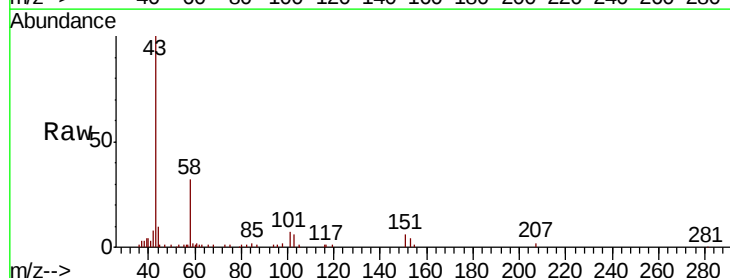
Manual Integrations  
 APPROVED

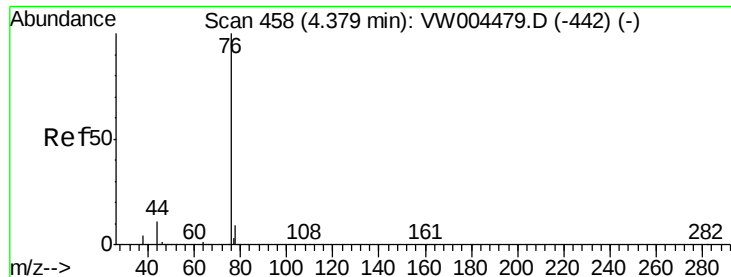
apatel  
 8/7/2018 4:48:50 PM



#16  
 Acetone  
 Concen: 32.95 ug/l  
 RT: 4.14 min Scan# 418  
 Delta R.T. 0.00 min  
 Lab File: VW004476.D  
 Acq: 06 Aug 2018 18:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 53226 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 31.9  | 26.8  | 40.2  |





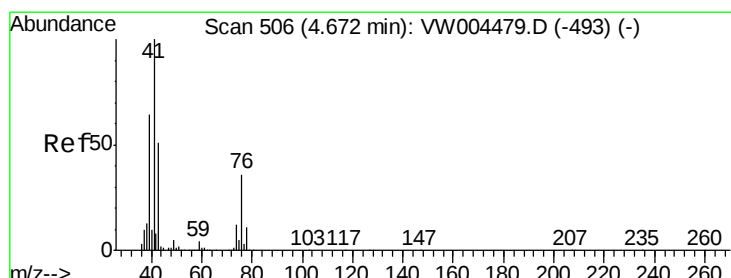
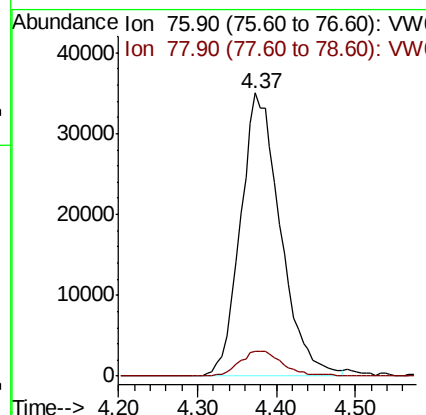
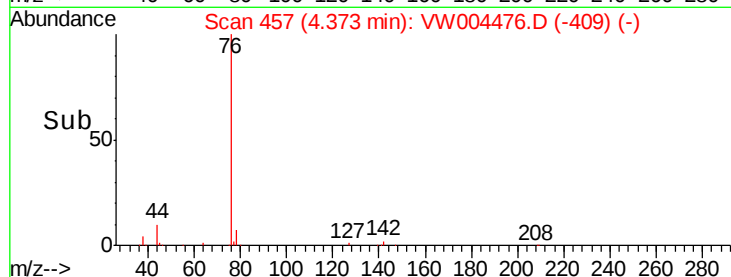
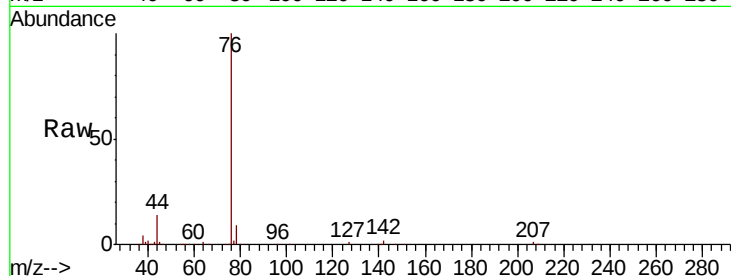
#17  
Carbon Disulfide  
Concen: 5.67 ug/l  
RT: 4.37 min Scan# 457  
Delta R.T. -0.01 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.6   | 7.0   | 10.4  |

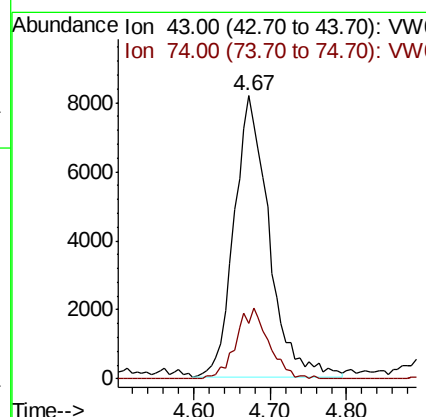
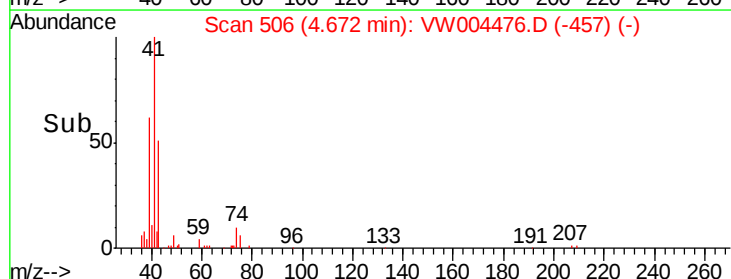
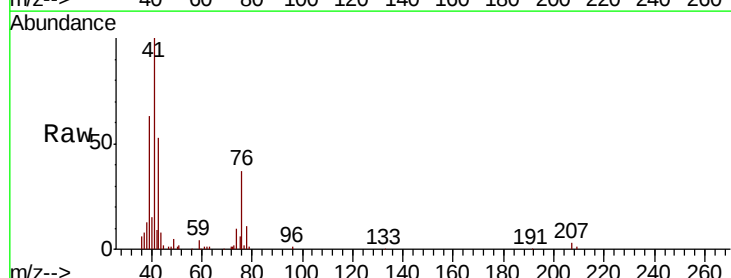
Manual Integrations  
APPROVED

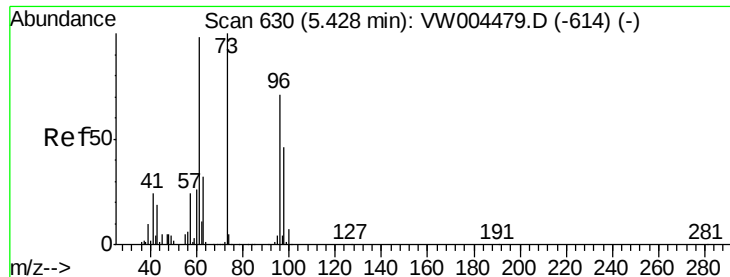
apatel  
8/7/2018 4:48:50 PM



#18  
Methyl Acetate  
Concen: 6.07 ug/l  
RT: 4.67 min Scan# 506  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.8  | 19.1  | 28.7  |





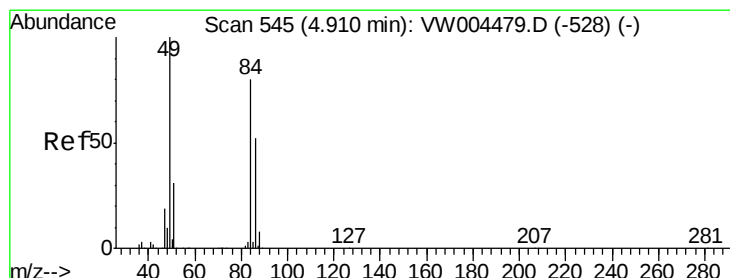
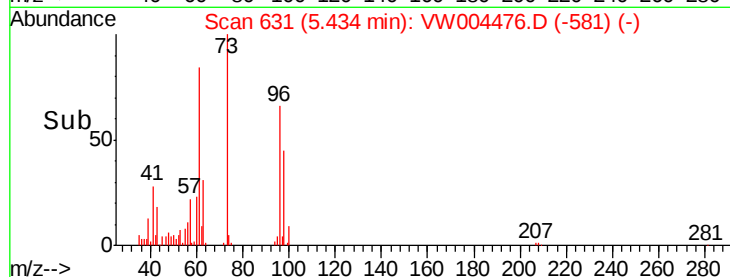
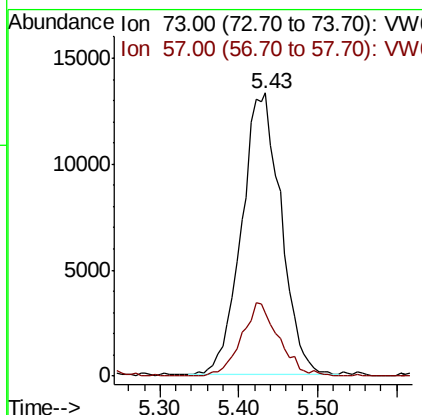
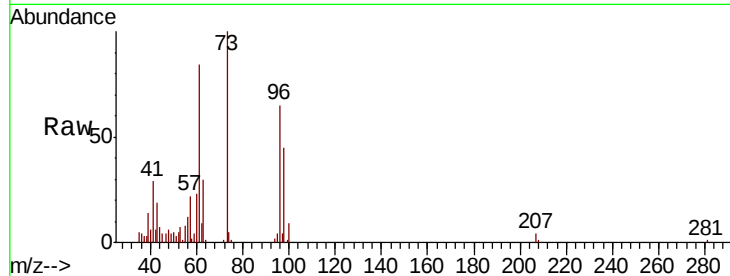
#19  
Methvl tert-butvl Ether  
Concen: 3.83 ug/l  
RT: 5.43 min Scan# 631  
Delta R.T. 0.01 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

Tot Ion: 73 Resp: 46229  
Ion Ratio Lower Upper  
73 100  
57 22.4 19.6 29.4

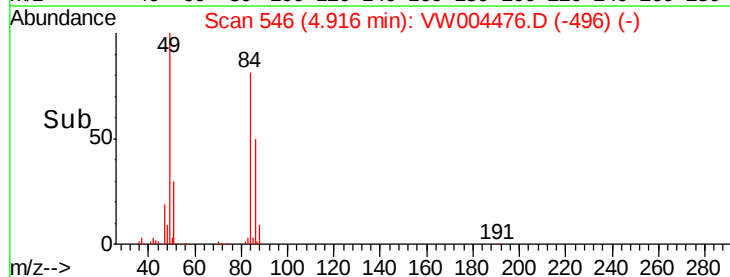
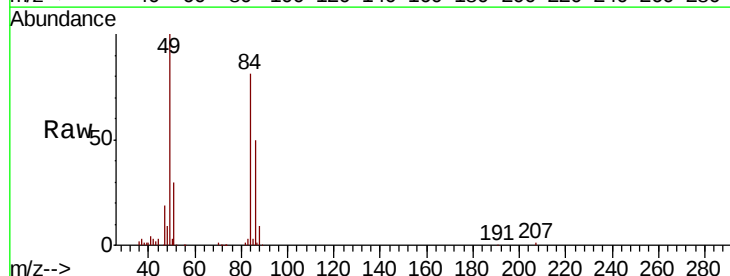
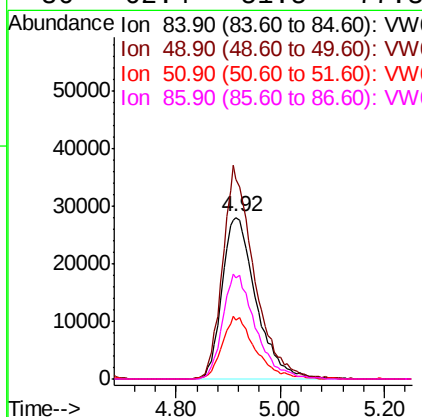
Manual Integrations  
APPROVED

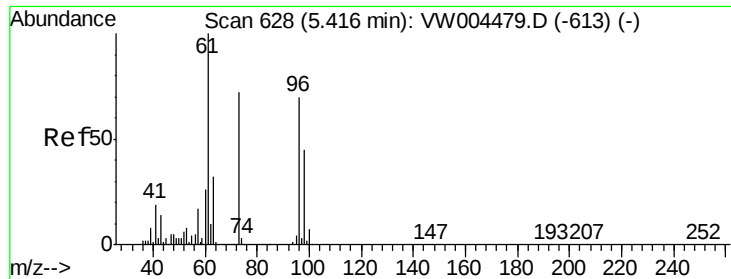
apatel  
8/7/2018 4:48:50 PM



#20  
Methylene Chloride  
Concen: 16.41 ug/l  
RT: 4.92 min Scan# 546  
Delta R.T. 0.01 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Tgt Ion: 84 Resp: 128101  
Ion Ratio Lower Upper  
84 100  
49 124.1 99.6 149.4  
51 36.9 31.0 46.4  
86 62.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 5.59 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

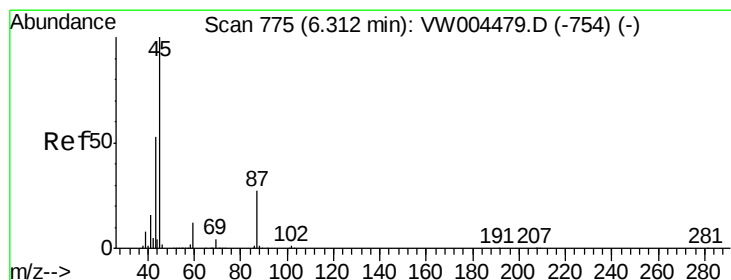
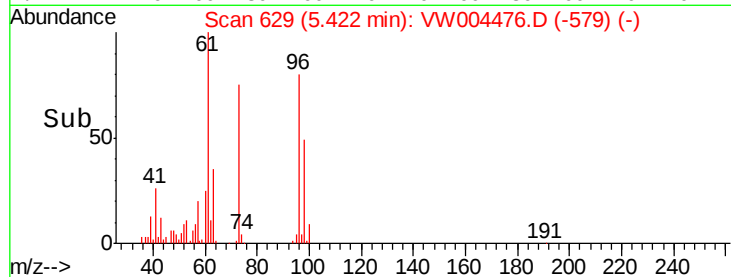
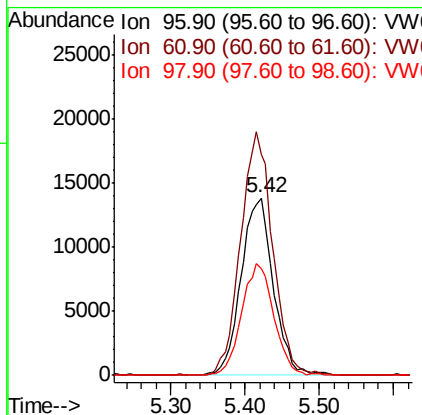
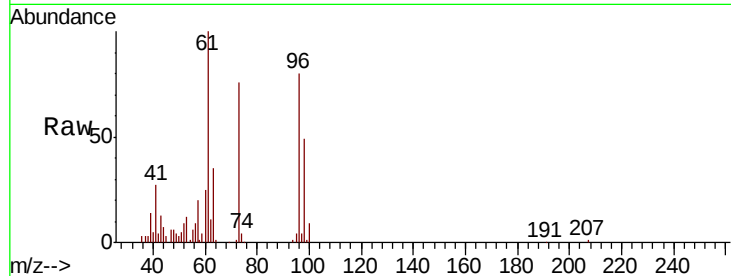
ClientSampled :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 42077 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 124.5 | 114.1 | 171.1 |
| 98       | 60.4  | 51.4  | 77.2  |

Manual Integrations  
APPROVED

apatel  
8/7/2018 4:48:50 PM



#22

Diisopropyl ether

Concen: 4.74 ug/l

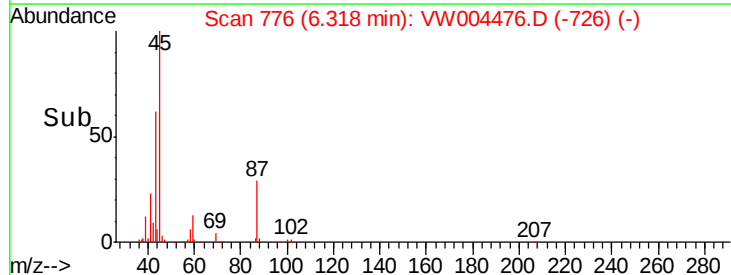
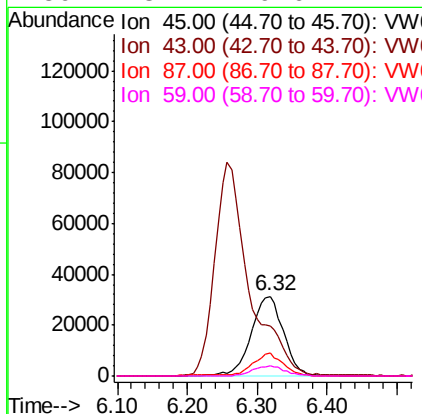
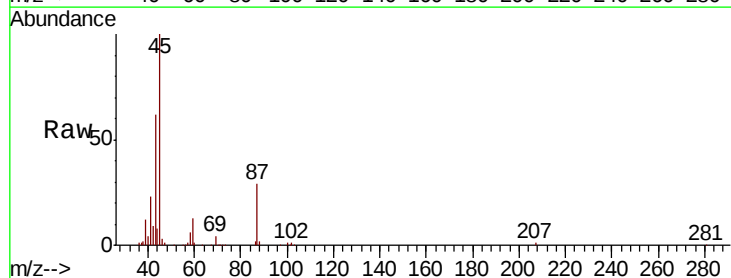
RT: 6.32 min Scan# 776

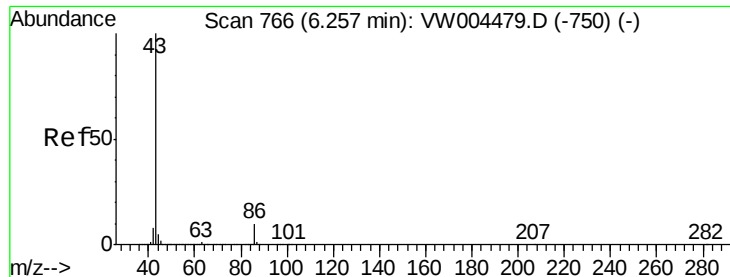
Delta R.T. 0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 101040 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 61.3  | 42.4  | 63.6   |
| 87       | 28.6  | 21.6  | 32.4   |
| 59       | 13.1  | 9.6   | 14.4   |





#23

Vinyl Acetate

Concen: 23.16 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 288891

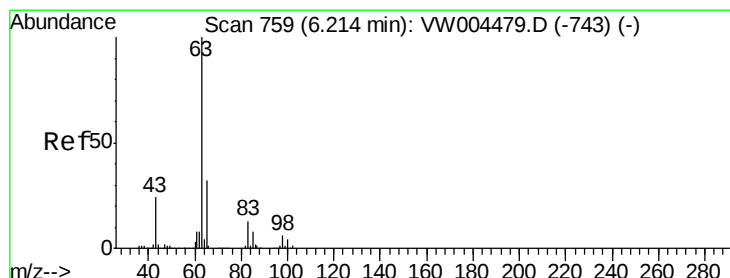
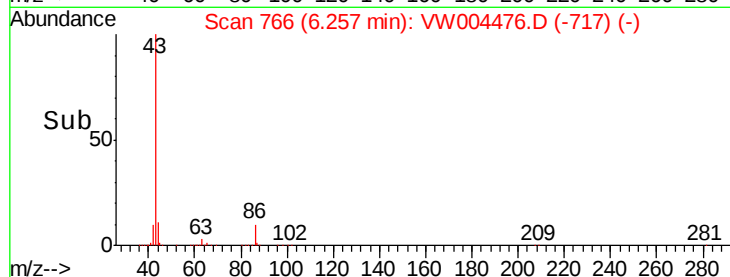
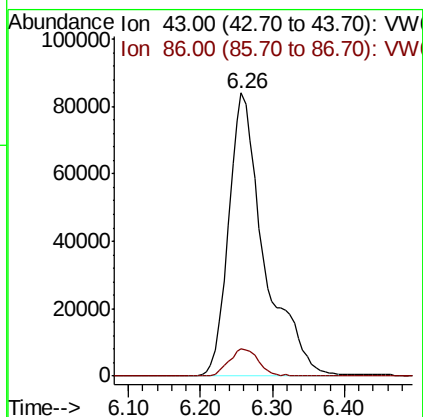
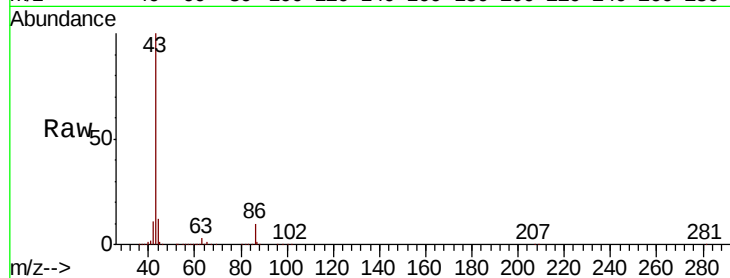
Ion Ratio Lower Upper

43 100

86 9.7 7.9 11.9

Manual Integrations  
APPROVED

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#24

1,1-Dichloroethane

Concen: 5.59 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

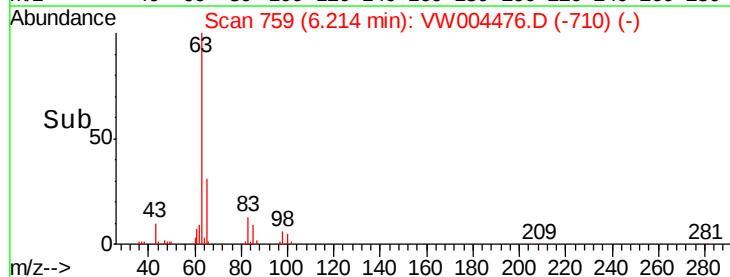
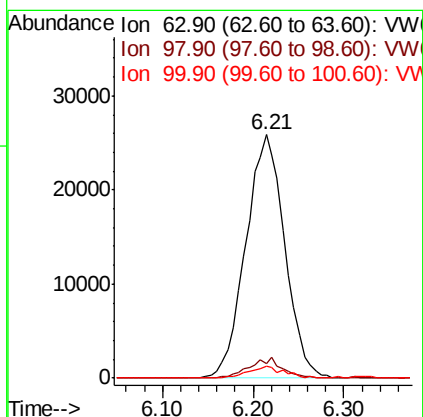
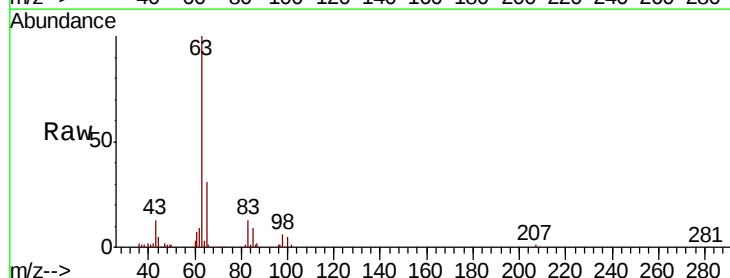
Tgt Ion: 63 Resp: 76932

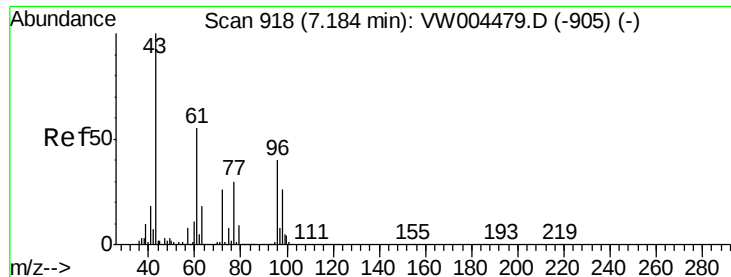
Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 4.7 2.1 6.5





#25

2-Butanone

Concen: 34.27 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 71944

Ion Ratio Lower Upper

43 100

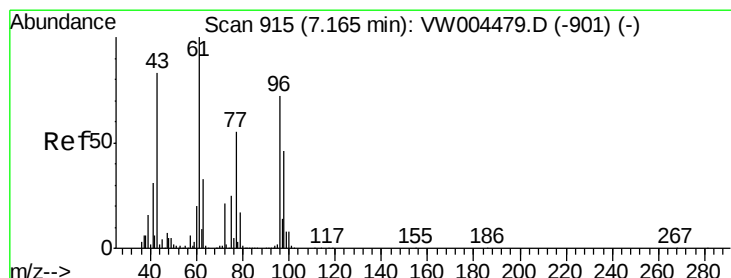
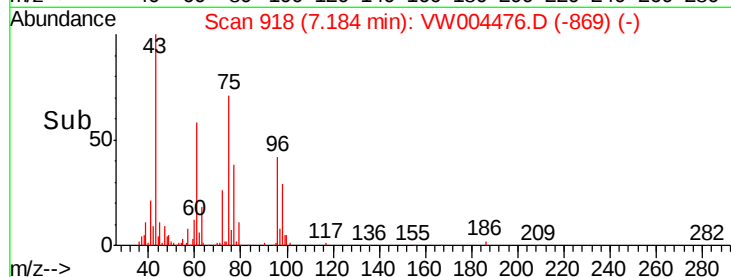
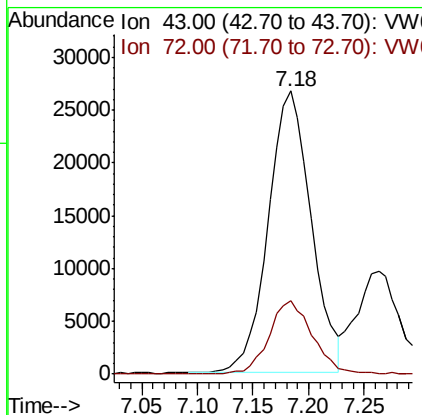
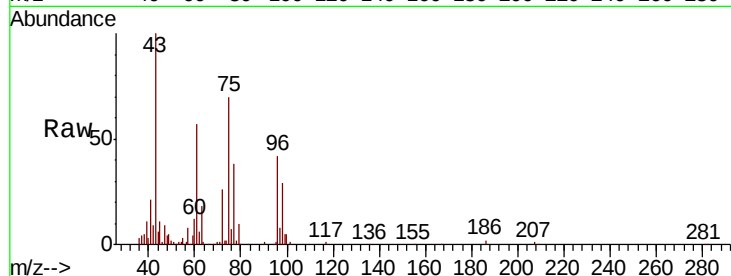
72 26.0 21.0 31.6

Manual Integrations

APPROVED

apatel

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#26

2,2-Dichloropropane

Concen: 5.85 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW004476.D

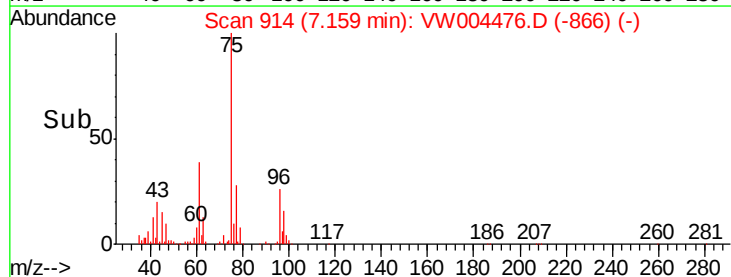
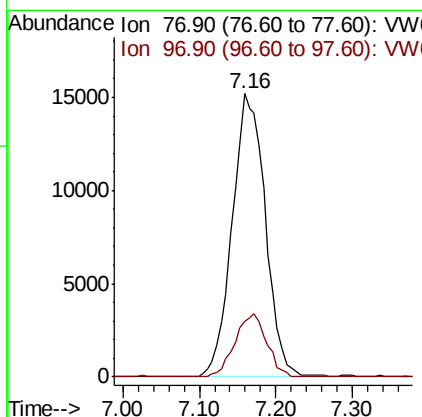
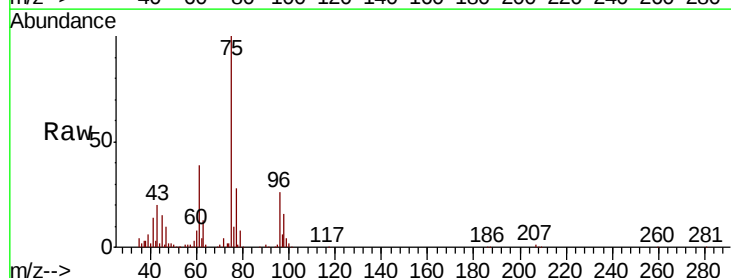
Acq: 06 Aug 2018 18:18

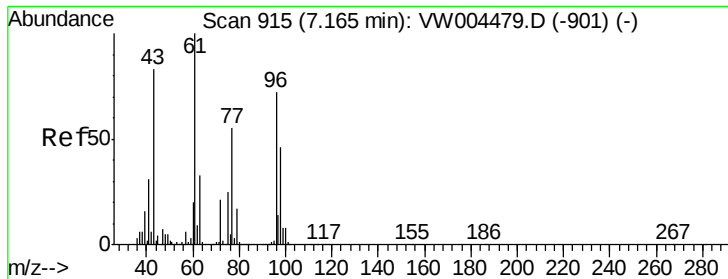
Tgt Ion: 77 Resp: 45530

Ion Ratio Lower Upper

77 100

97 21.3 12.5 37.5





#27

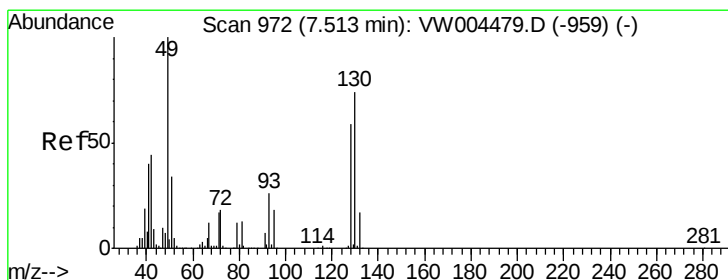
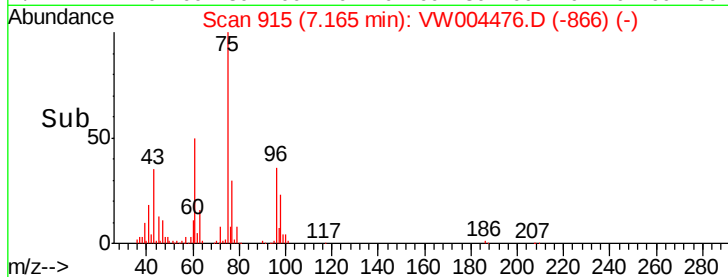
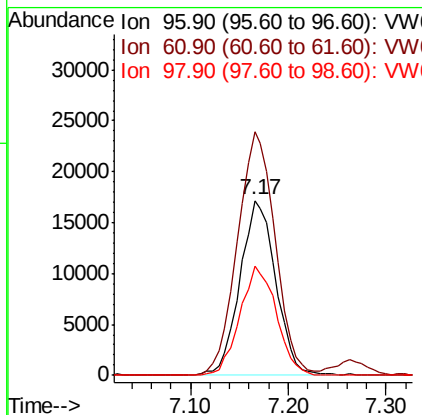
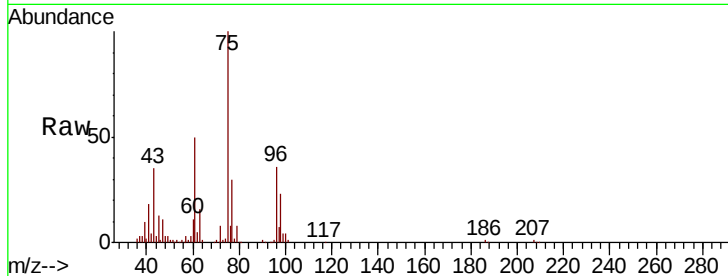
cis-1,2-Dichloroethene  
Concen: 5.64 ug/l  
RT: 7.17 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 96      | 100   |       | 43483 |       |       |
| 61      | 146.8 | 0.0   | 285.0 |       |       |
| 98      | 63.7  | 0.0   | 128.6 |       |       |

Manual Integrations  
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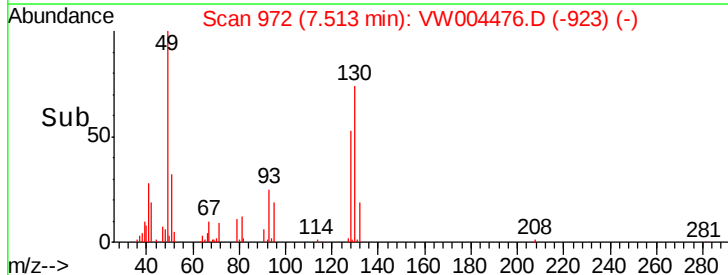
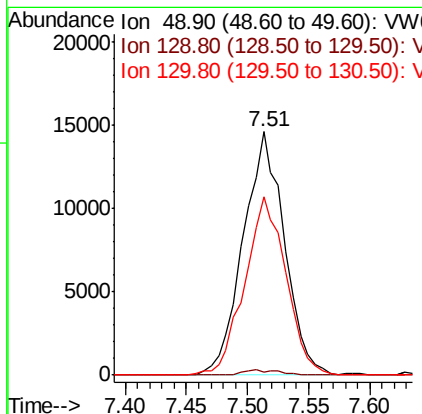
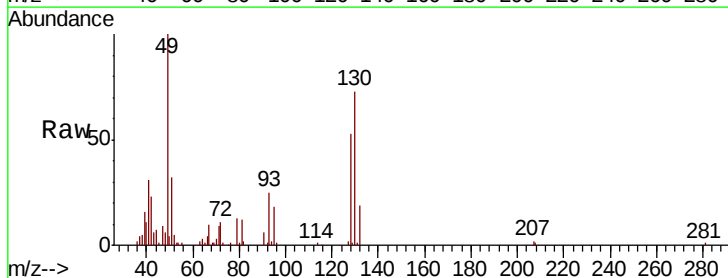
apatel  
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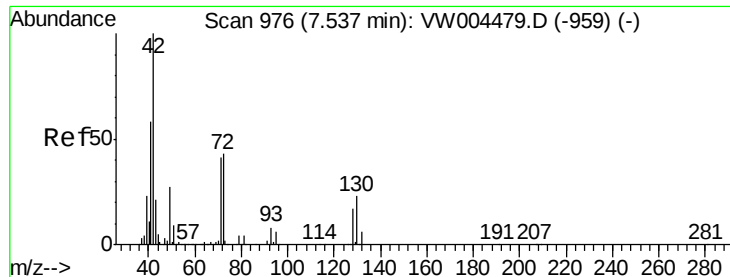


#28

Bromochloromethane  
Concen: 6.81 ug/l  
RT: 7.51 min Scan# 972  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 49      | 100  |       | 34092 |       |       |
| 129     | 1.9  | 0.0   | 4.0   |       |       |
| 130     | 73.4 | 58.8  | 88.2  |       |       |





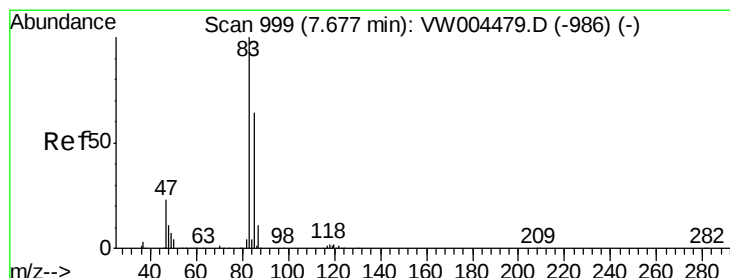
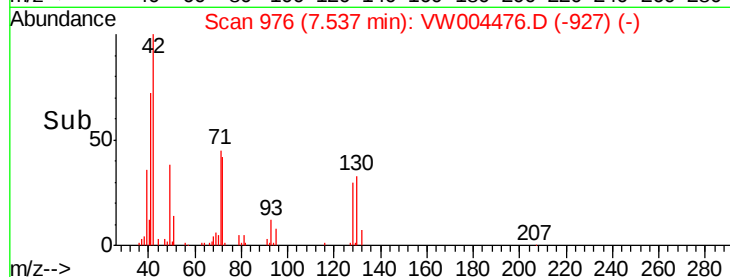
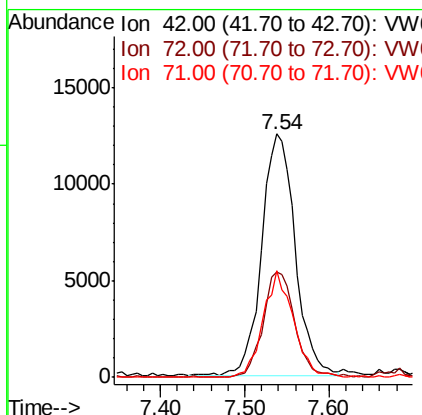
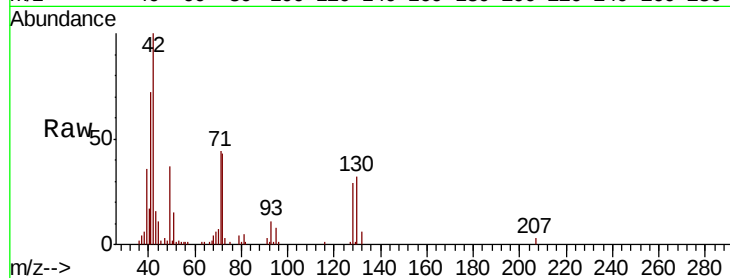
#29  
Tetrahydrofuran  
Concen: 26.58 ug/l  
RT: 7.54 min Scan# 976  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 34309 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 41.8  | 34.1  | 51.1  |
| 71       | 39.9  | 32.5  | 48.7  |

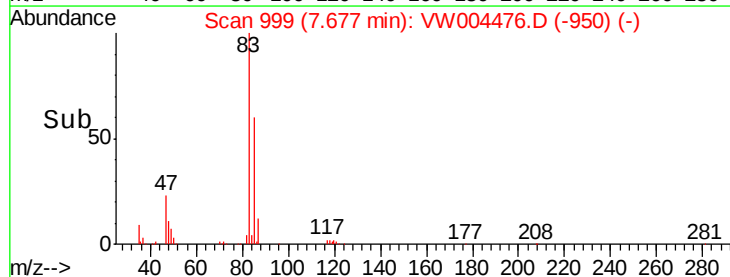
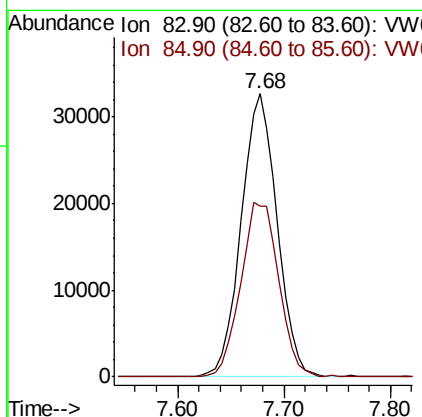
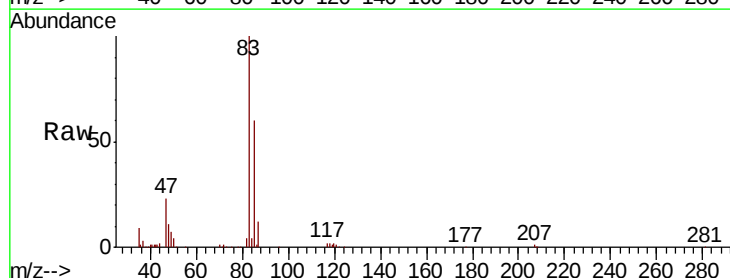
Manual Integrations  
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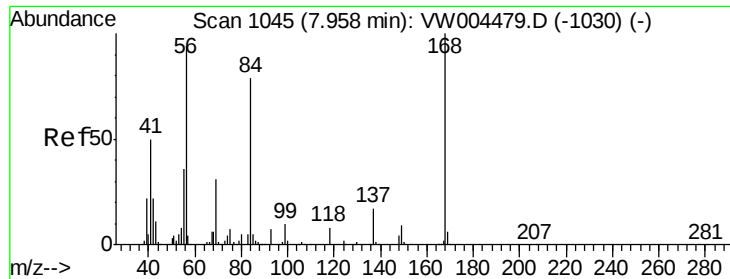
apatel  
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#30  
Chloroform  
Concen: 5.89 ug/l  
RT: 7.68 min Scan# 999  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 77295 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 60.4  | 51.3  | 76.9  |





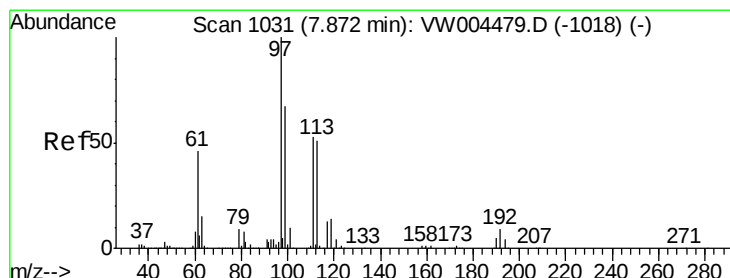
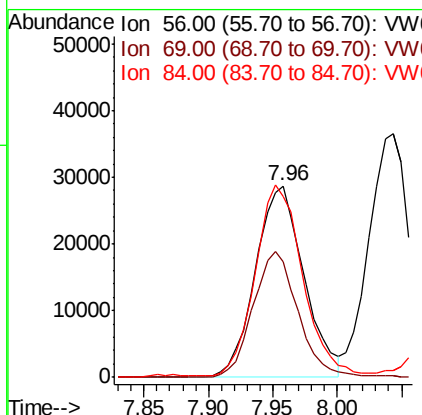
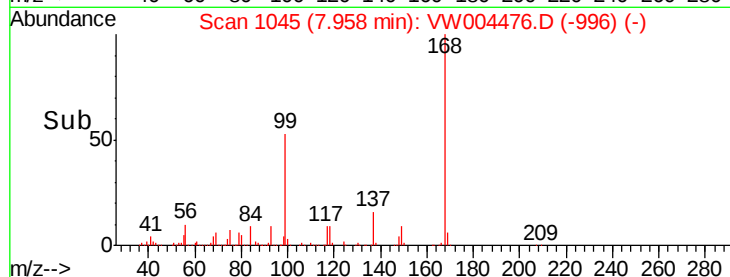
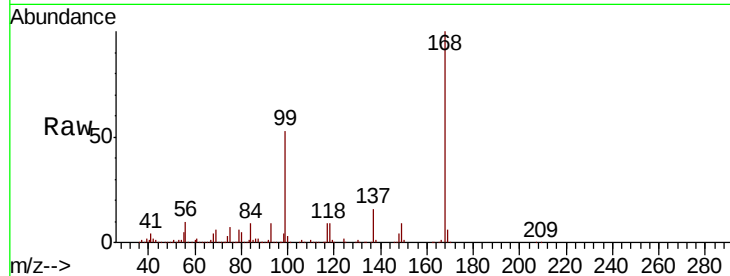
#31  
Cyclohexane  
Concen: 6.16 ug/l  
RT: 7.96 min Scan# 1045  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 60.5  | 26.4  | 39.6# |
| 84      | 93.3  | 66.9  | 100.3 |

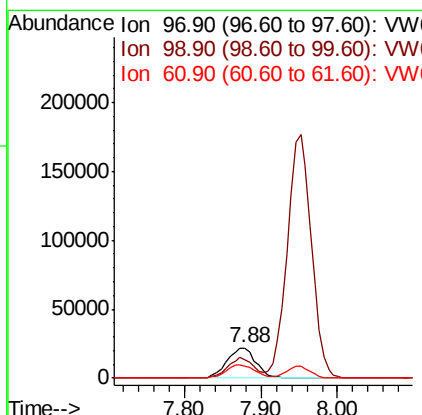
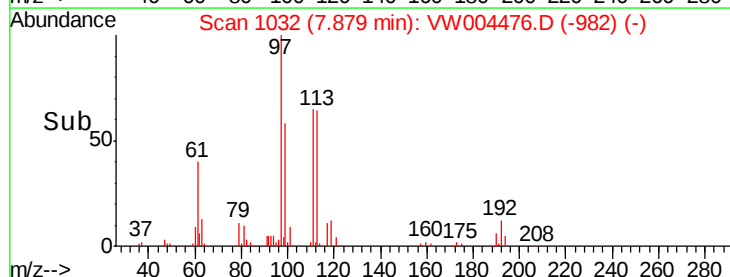
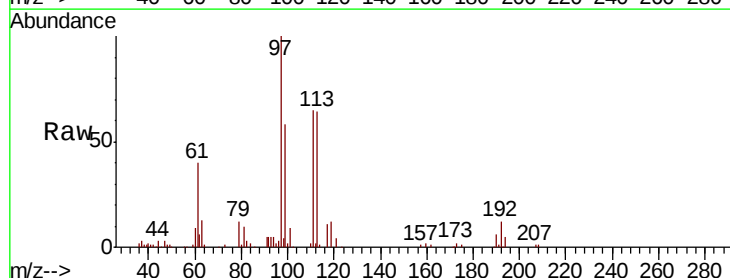
Manual Integrations  
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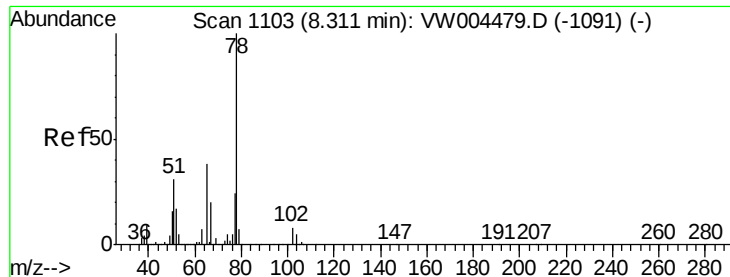
apatel  
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#32  
1,1,1-Trichloroethane  
Concen: 5.39 ug/l  
RT: 7.88 min Scan# 1032  
Delta R.T. 0.01 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 61.1  | 51.6  | 77.4  |
| 61      | 44.6  | 35.7  | 53.5  |





#33

1,2-Dichloroethane-d4

Concen: 5.65 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 39977

Ion Ratio Lower Upper

65 100

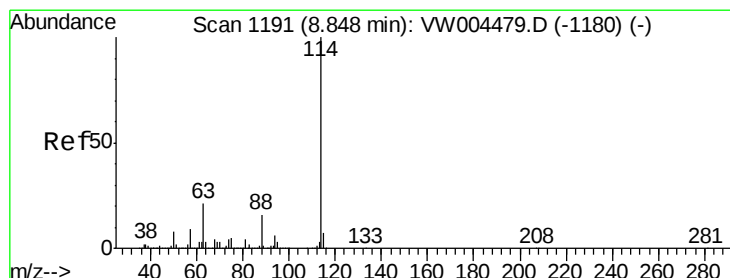
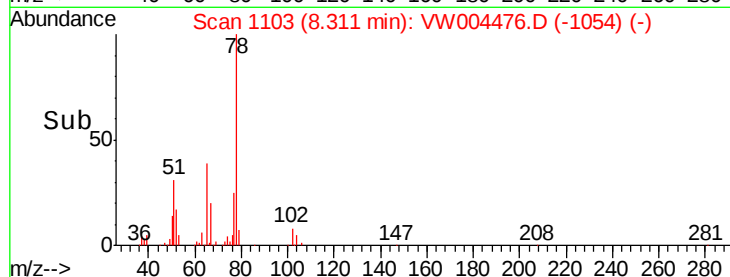
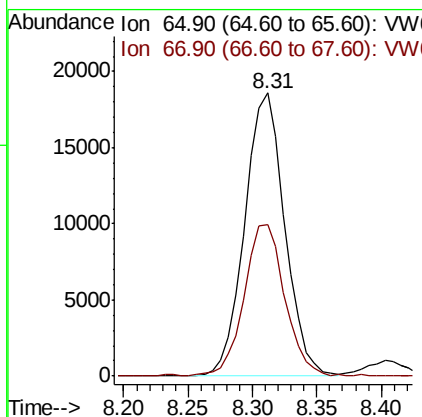
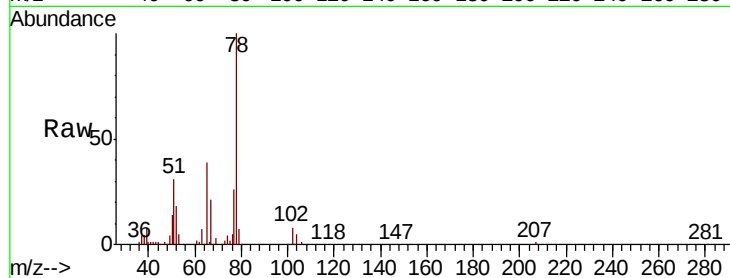
67 54.5 0.0 109.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

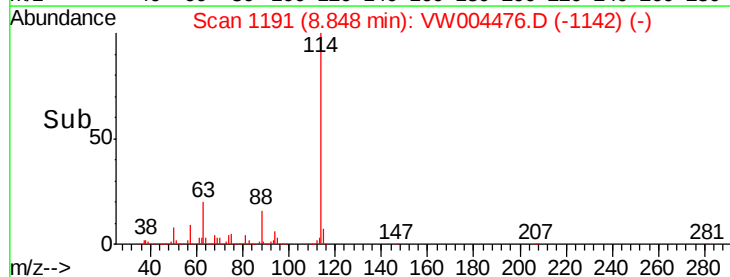
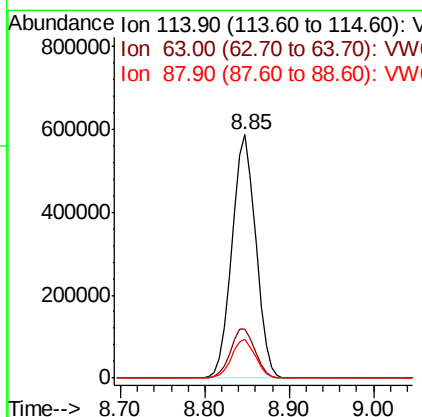
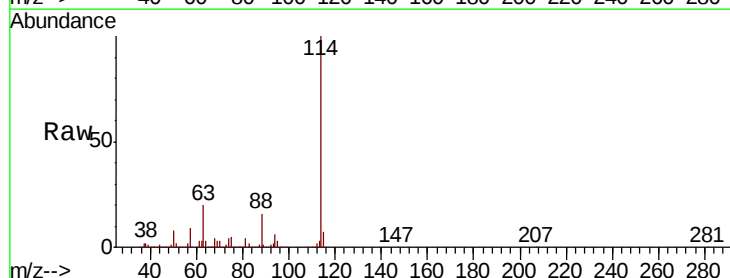
Tgt Ion: 114 Resp: 1120843

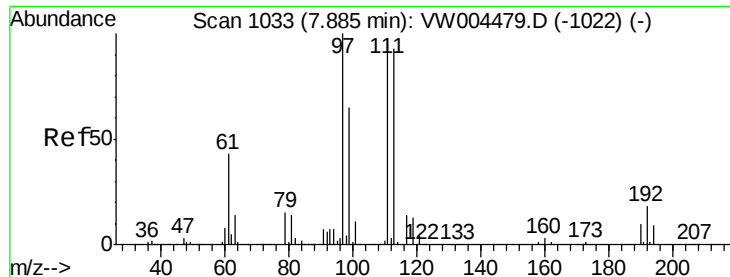
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 15.7 0.0 31.2





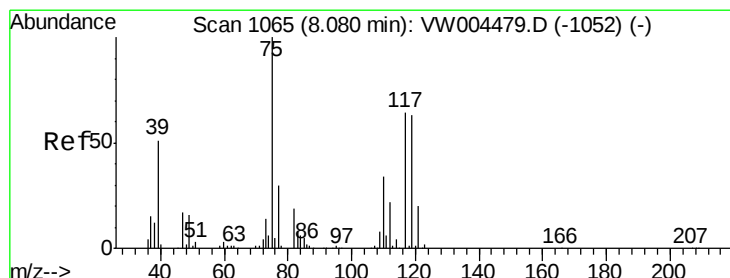
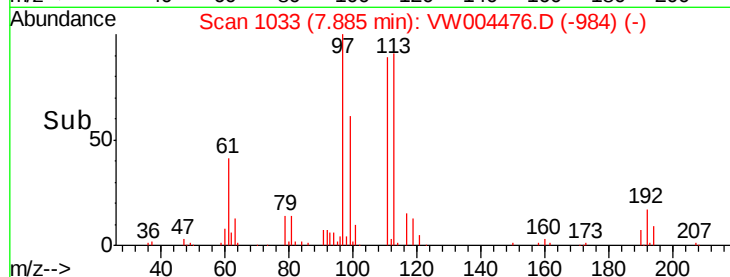
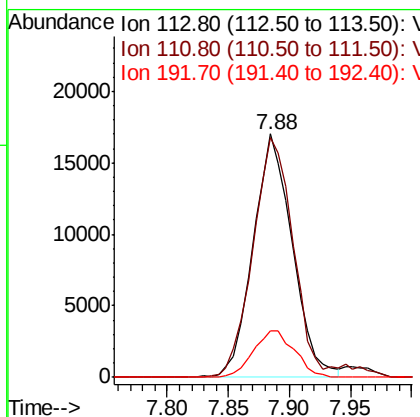
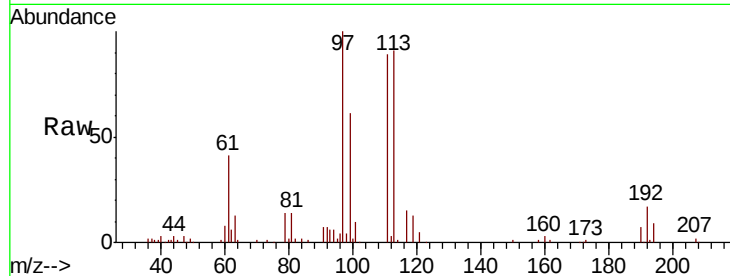
#35  
 Dibromofluoromethane  
 Concen: 5.34 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. 0.00 min  
 Lab File: VW004476.D  
 Acq: 06 Aug 2018 18:18

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 38142 |       |       |
| 111     | 101.4 | 82.9  | 124.3 |       |
| 192     | 20.1  | 15.8  | 23.6  |       |

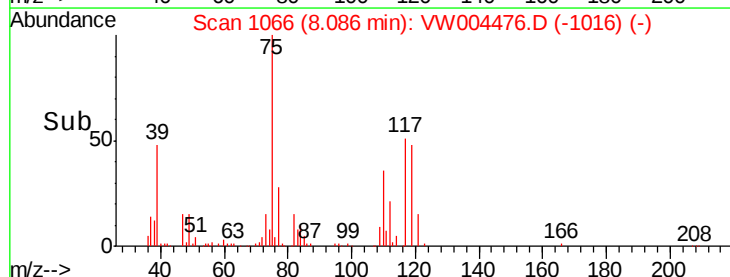
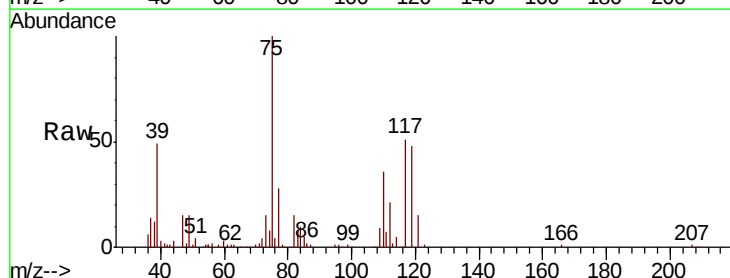
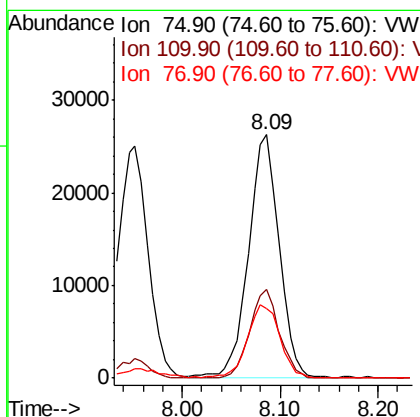
Manual Integrations  
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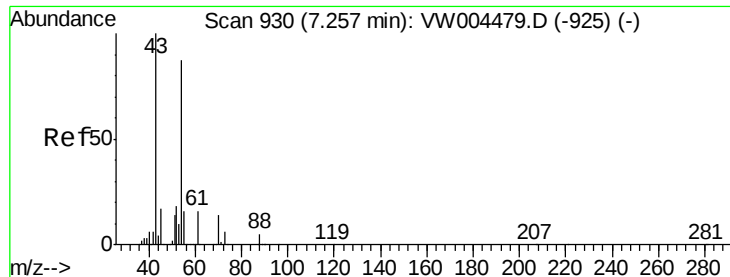
apatel  
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#36  
 1,1-Dichloropropene  
 Concen: 5.02 ug/l  
 RT: 8.09 min Scan# 1066  
 Delta R.T. 0.01 min  
 Lab File: VW004476.D  
 Acq: 06 Aug 2018 18:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 56915 |       |       |
| 110     | 35.3  | 17.4  | 52.2  |       |
| 77      | 32.2  | 24.7  | 37.1  |       |





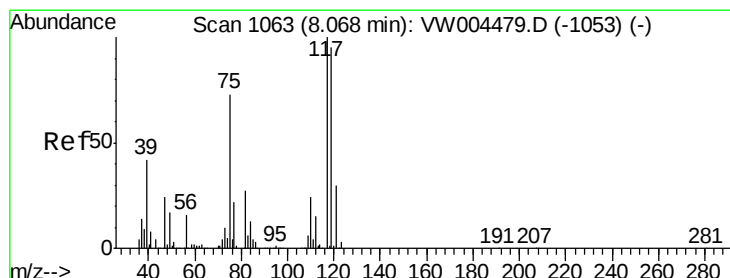
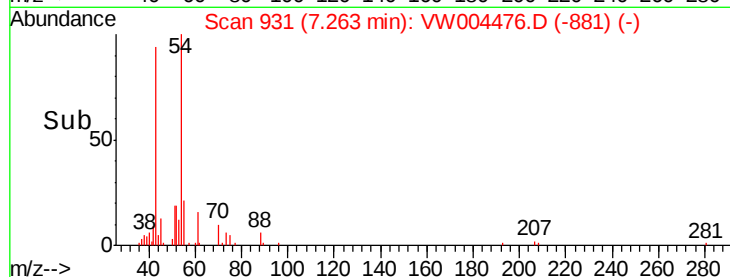
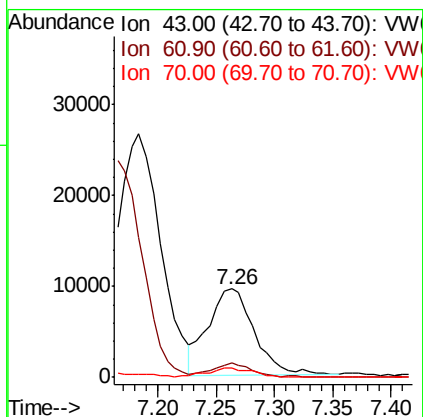
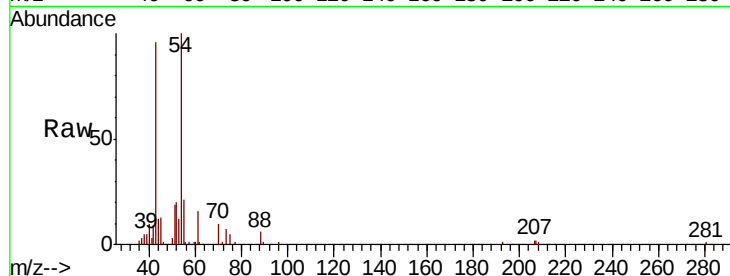
#37  
Ethyl Acetate  
Concen: 5.56 ug/l  
RT: 7.26 min Scan# 931  
Delta R.T. 0.01 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.7  | 11.9  | 17.9  |
| 70      | 10.8  | 8.2   | 12.4  |

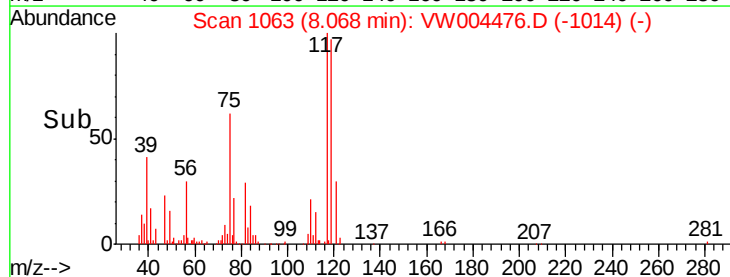
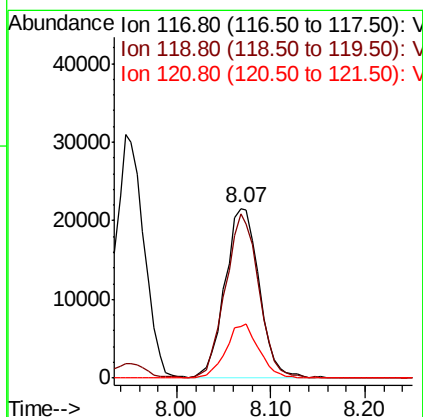
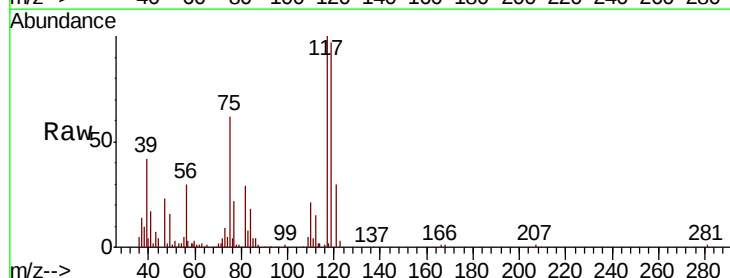
Manual Integrations  
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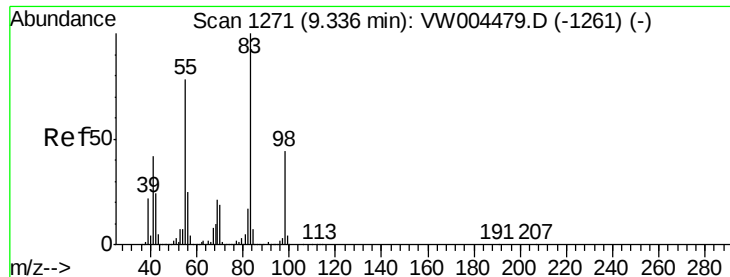
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#38  
Carbon Tetrachloride  
Concen: 4.95 ug/l  
RT: 8.07 min Scan# 1063  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.7  | 76.1  | 114.1 |
| 121     | 30.2  | 24.2  | 36.4  |





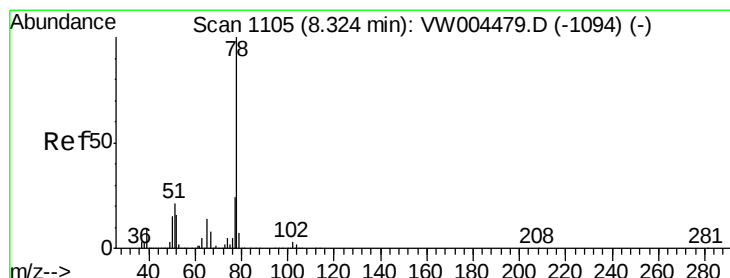
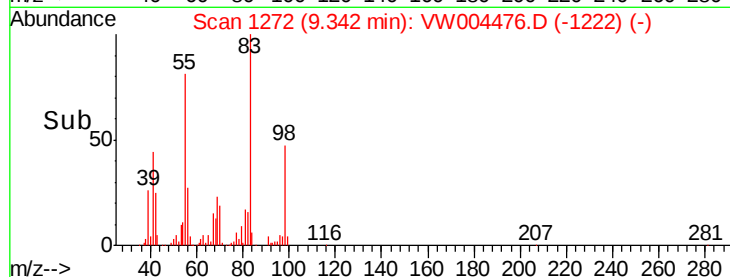
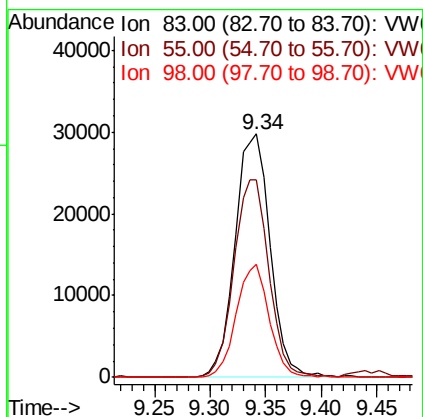
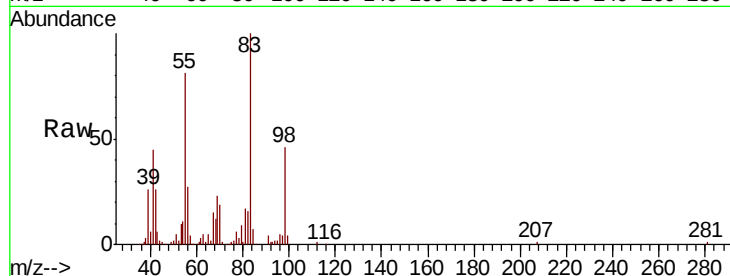
#39  
Methvlcvclohexane  
Concen: 4.74 ug/l  
RT: 9.34 min Scan# 1272  
Delta R.T. 0.01 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 81.2  | 62.5  | 93.7  |
| 98      | 46.5  | 35.4  | 53.2  |

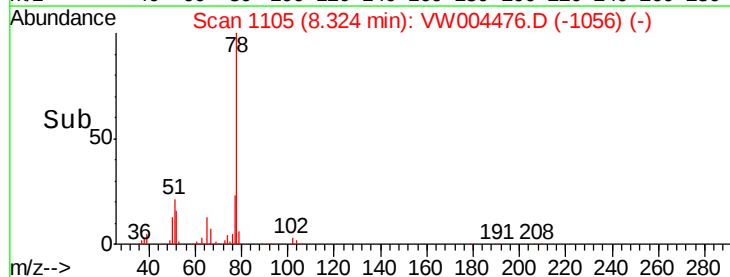
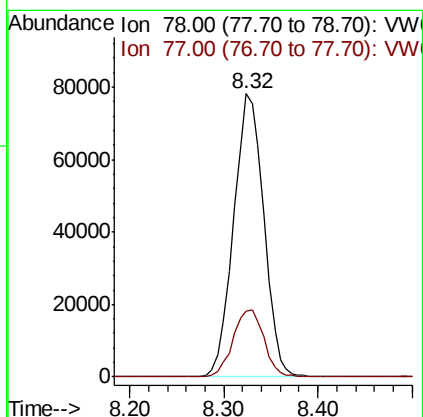
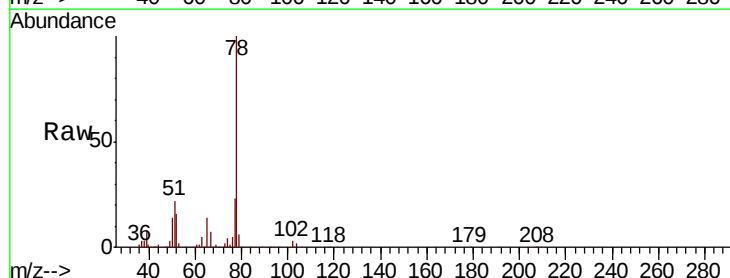
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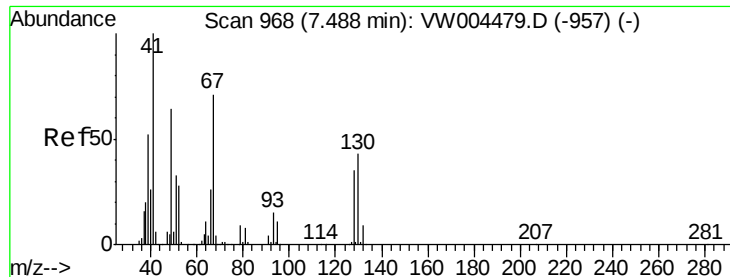
apatel  
8/7/2018 4:48:50 PM



#40  
Benzene  
Concen: 5.42 ug/l  
RT: 8.32 min Scan# 1105  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.2  | 19.0  | 28.6  |





#41

Methacrylonitrile

Concen: 5.41 ug/l

RT: 7.48 min Scan# 967

Delta R.T. -0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

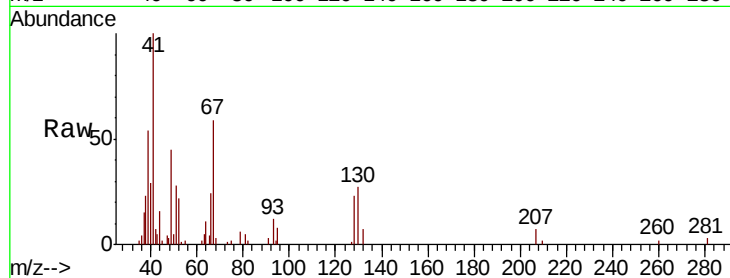
ClientSampleId :

VSTDIC005

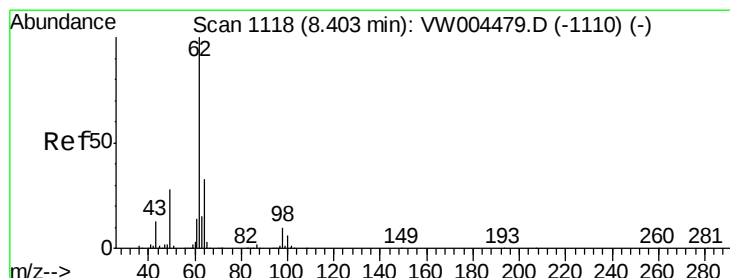
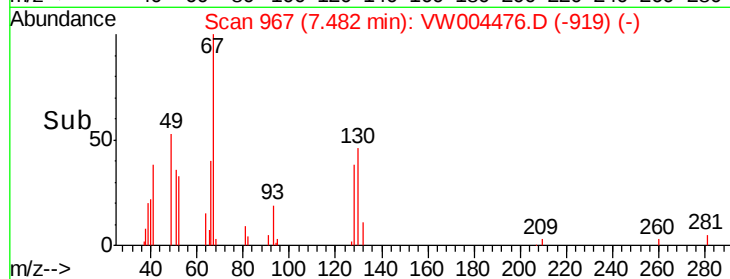
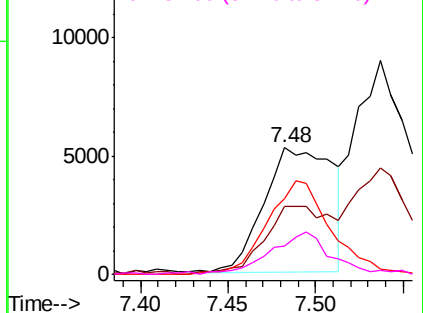
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 14552 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 53.5  | 46.2  | 69.2  |
| 67       | 68.5  | 60.8  | 91.2  |
| 52       | 30.1  | 23.8  | 35.6  |

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Abundance Ion 41.00 (40.70 to 41.70): VW  
Ion 39.00 (38.70 to 39.70): VW  
Ion 67.00 (66.70 to 67.70): VW  
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 5.31 ug/l

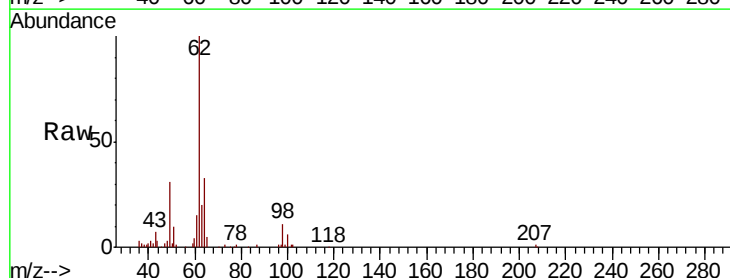
RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

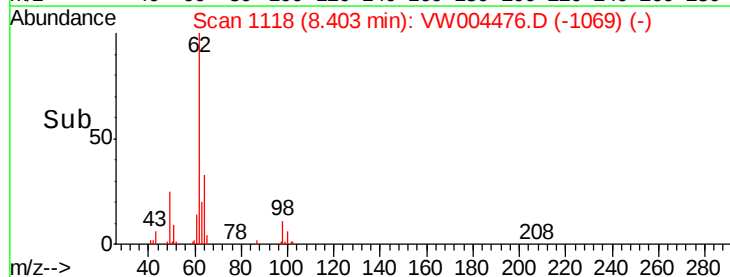
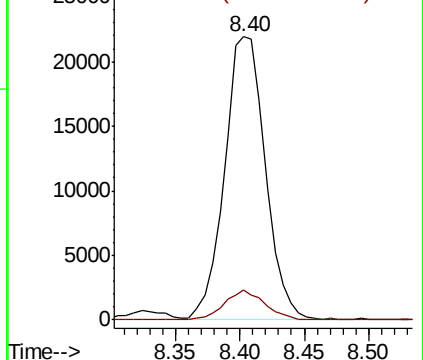
Lab File: VW004476.D

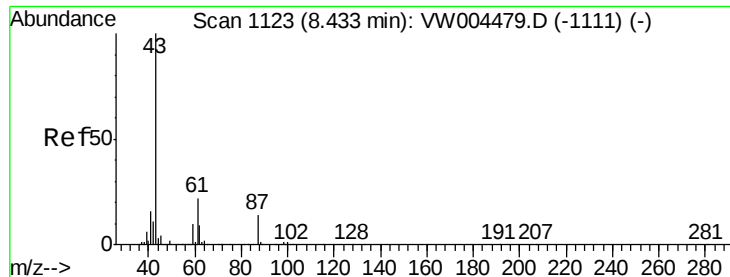
Acq: 06 Aug 2018 18:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 48421 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 10.4  | 0.0   | 19.6  |



Abundance Ion 61.90 (61.60 to 62.60): VW  
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 4.94 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

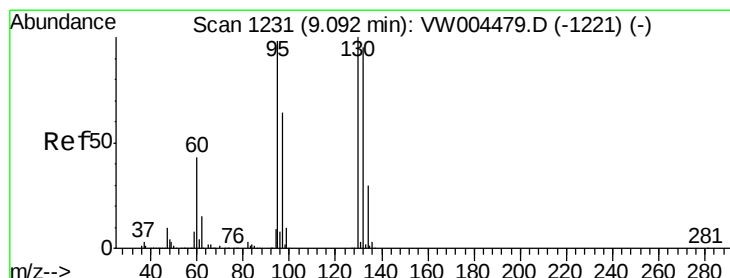
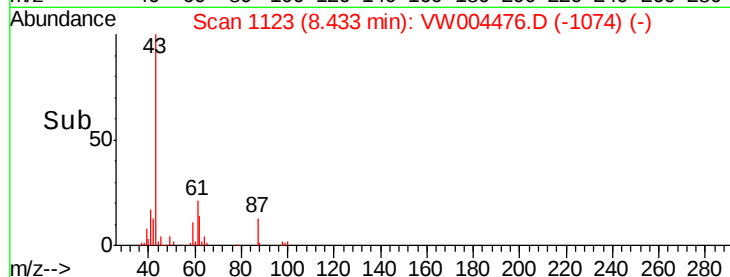
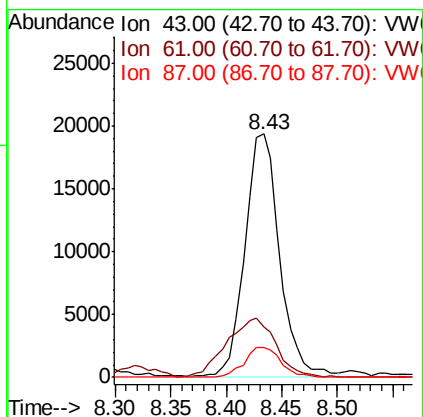
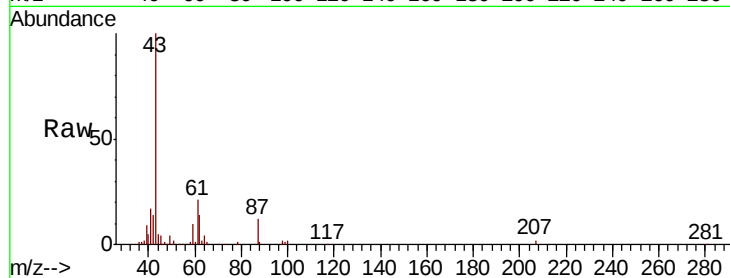
ClientSampled :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 41739 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 33.7  | 25.2  | 37.8  |
| 87       | 13.1  | 10.6  | 16.0  |

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#44

Trichloroethene

Concen: 4.99 ug/l

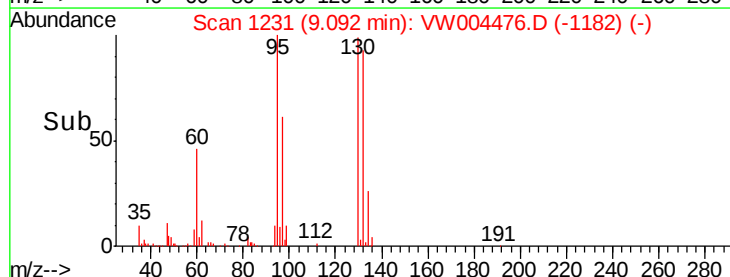
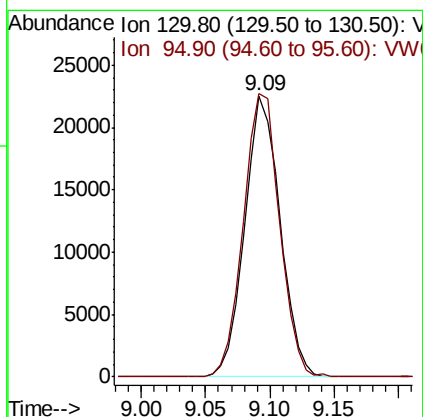
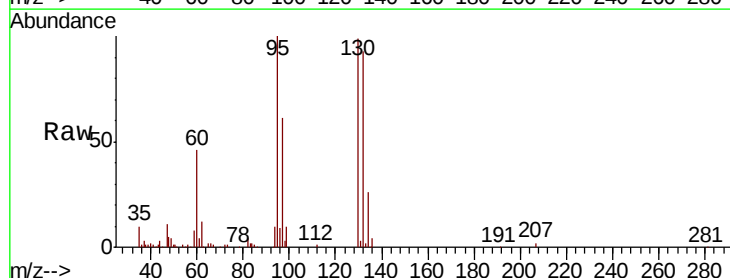
RT: 9.09 min Scan# 1231

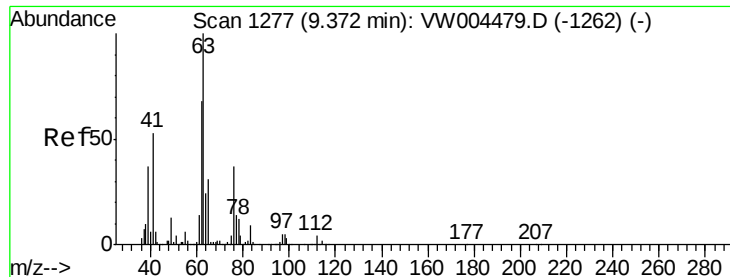
Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 42723 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 100.6 | 0.0   | 196.2 |





#45

1,2-Dichloropropane

Concen: 5.43 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 43181

Ion Ratio Lower Upper

63 100

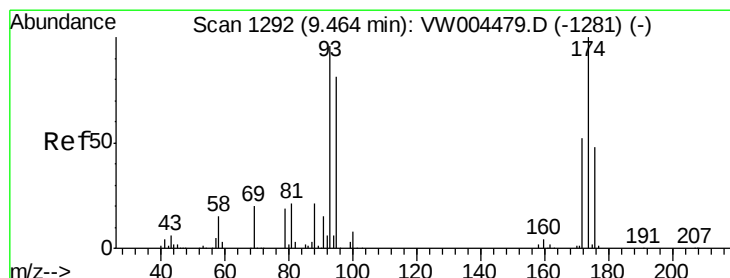
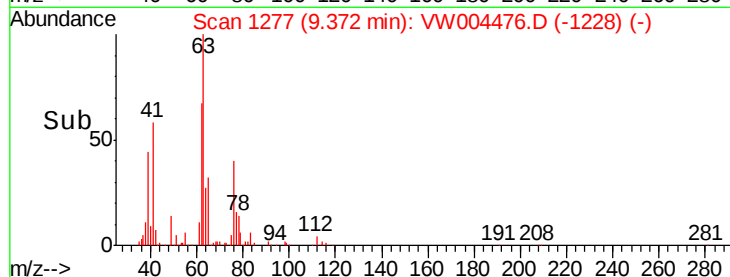
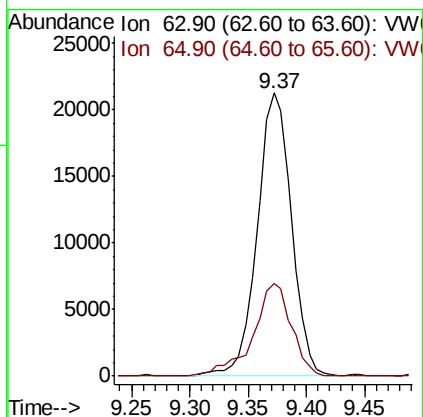
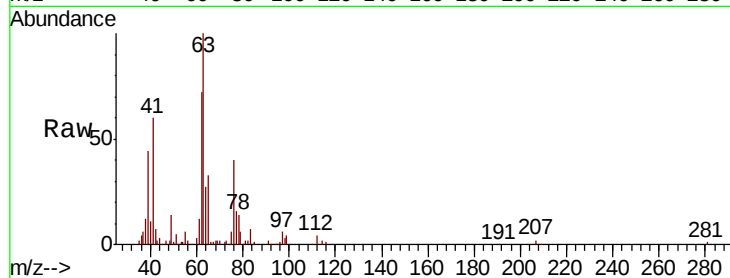
65 32.9 24.5 36.7

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#46

Dibromomethane

Concen: 5.38 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

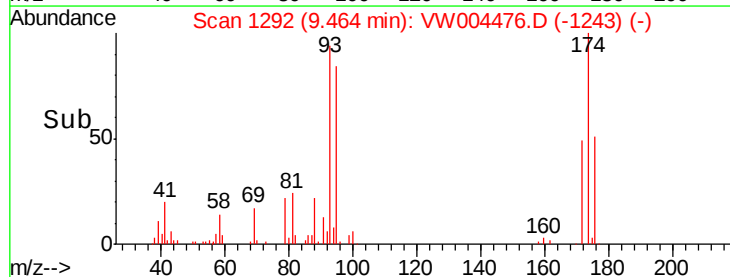
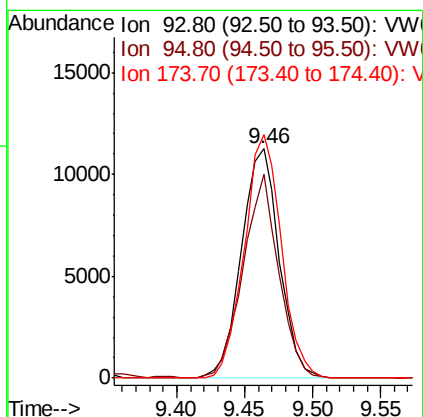
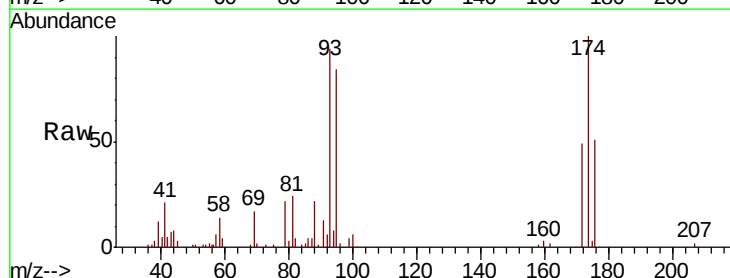
Tgt Ion: 93 Resp: 21919

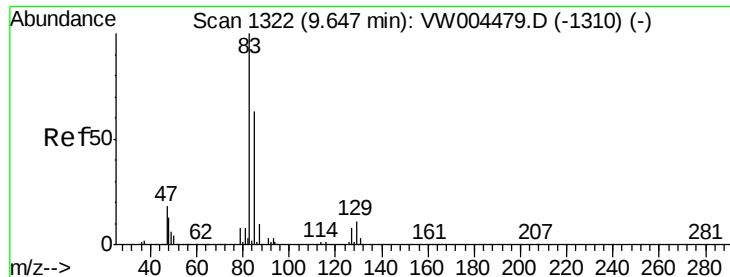
Ion Ratio Lower Upper

93 100

95 83.9 67.0 100.4

174 104.0 80.2 120.4





#47

Bromodichloromethane

Concen: 5.14 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

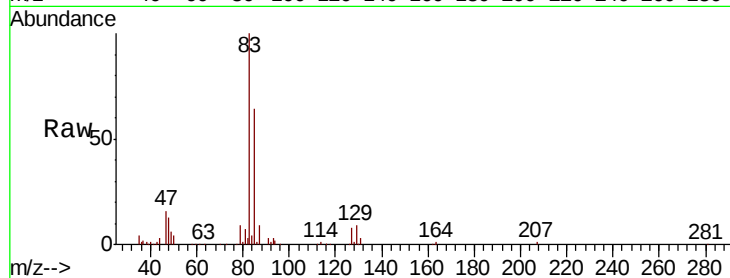
ClientSampleId :

VSTDIC005

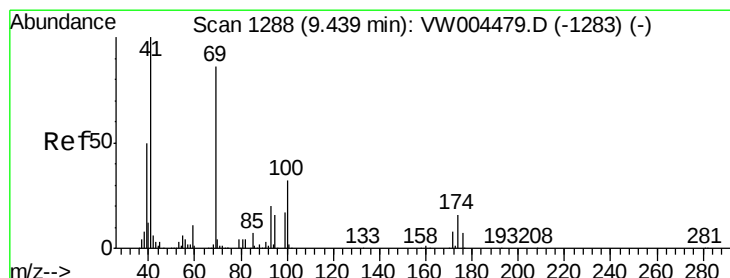
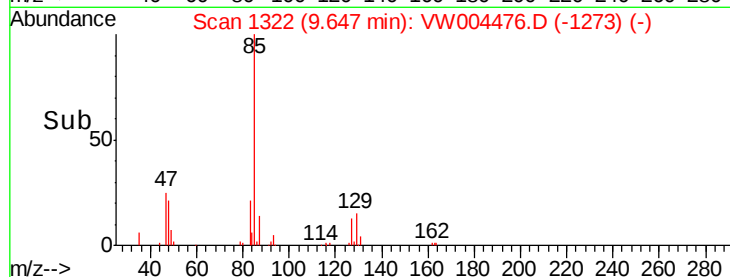
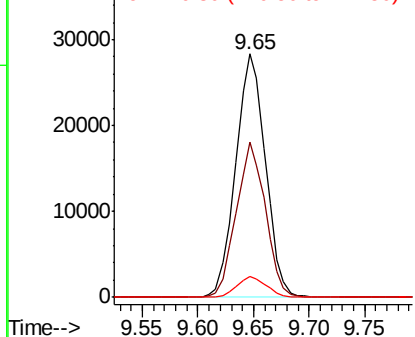
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 52390 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.7  | 50.7  | 76.1  |
| 127      | 8.3   | 6.5   | 9.7   |

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Abundance Ion 82.90 (82.60 to 83.60): VW  
Ion 84.90 (84.60 to 85.60): VW  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 4.16 ug/l

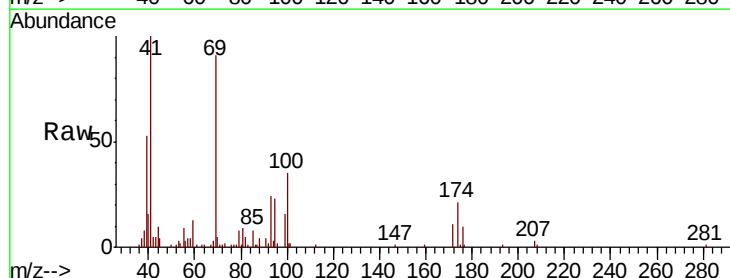
RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

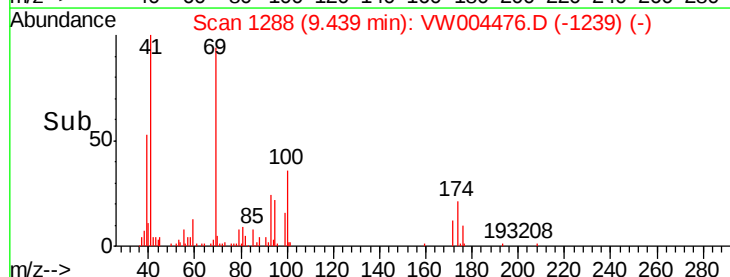
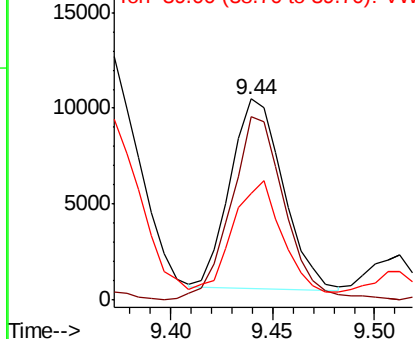
Lab File: VW004476.D

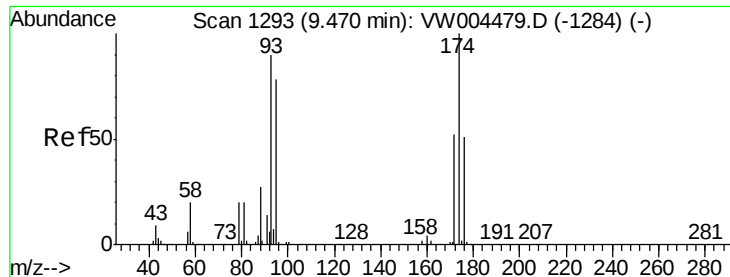
Acq: 06 Aug 2018 18:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 17754 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 99.0  | 73.2  | 109.8 |
| 39       | 61.1  | 40.6  | 60.8# |



Abundance Ion 41.00 (40.70 to 41.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 39.00 (38.70 to 39.70): VW





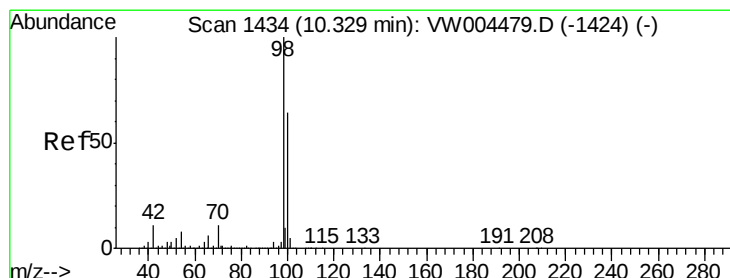
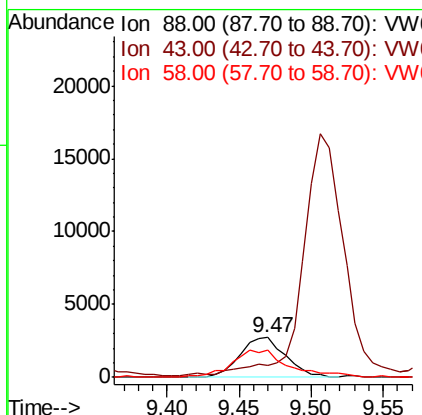
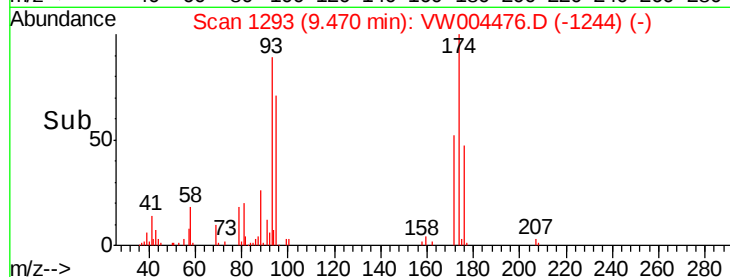
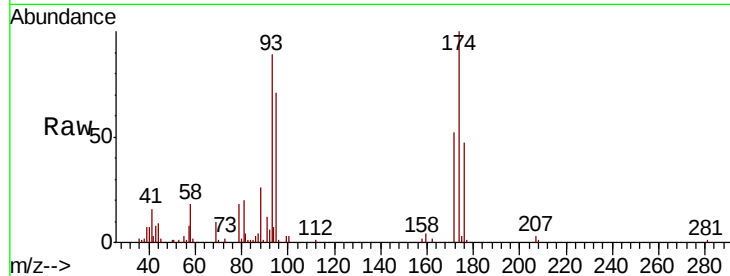
#49  
1,4-Dioxane  
Concen: 97.26 ug/l  
RT: 9.47 min Scan# 1293  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 0.0   | 0.0   | 0.0   |
| 58      | 88.6  | 63.5  | 95.3  |

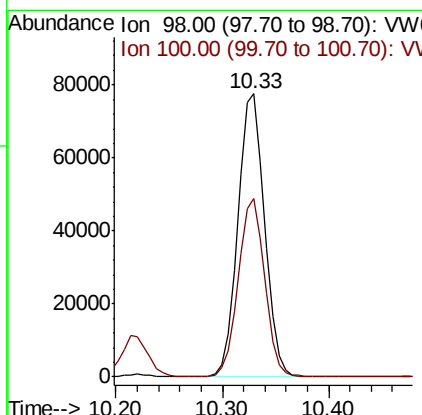
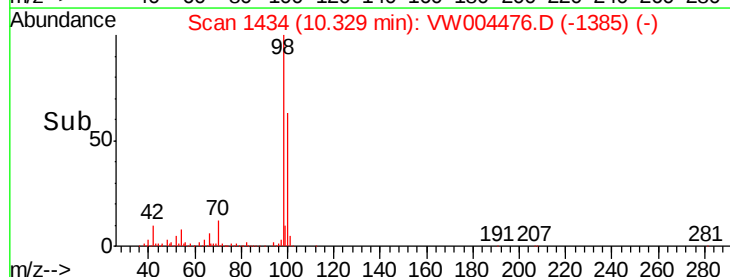
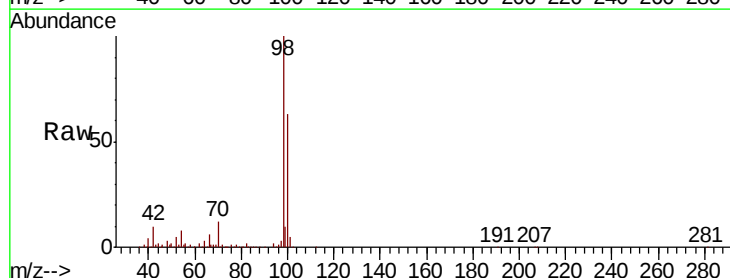
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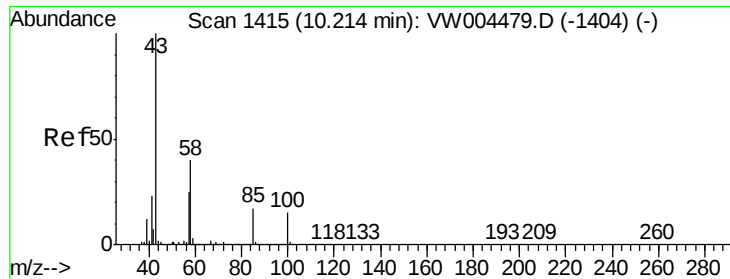
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#50  
Toluene-d8  
Concen: 4.87 ug/l  
RT: 10.33 min Scan# 1434  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.3  | 51.4  | 77.2  |





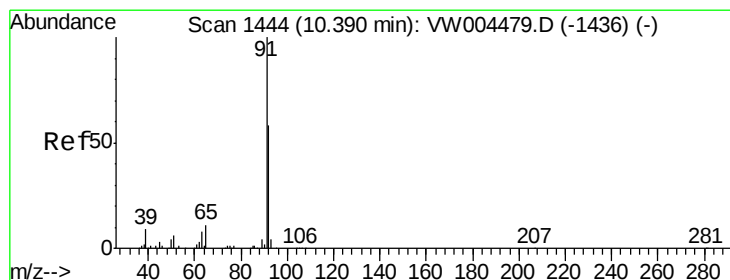
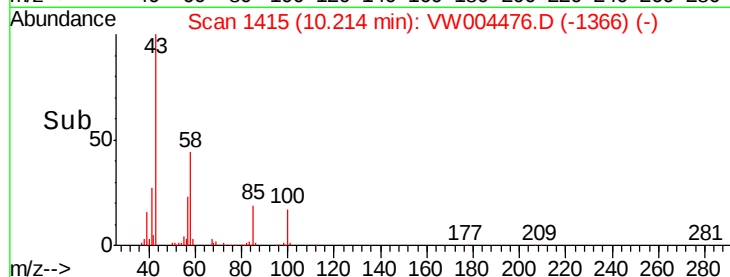
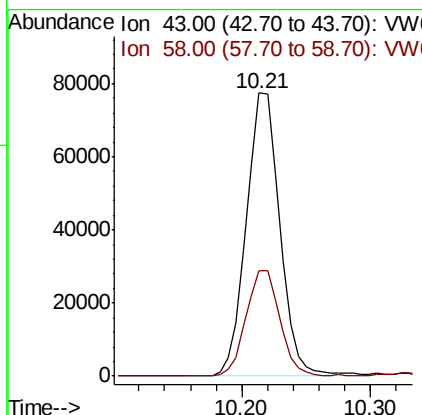
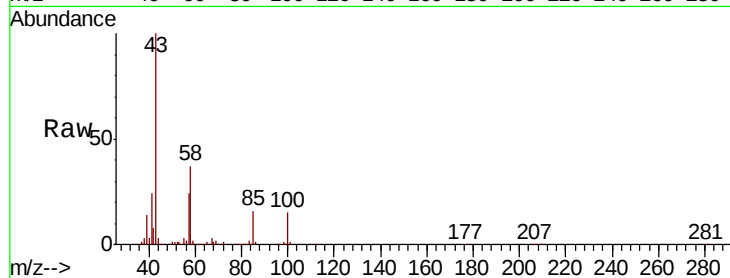
#51  
4-Methyl-2-Pentanone  
Concen: 28.00 ug/l  
RT: 10.21 min Scan# 1415  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC005

| Tot Ion   | 43   | Resp  | 137628 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 38.2 | 31.9  | 47.9   |

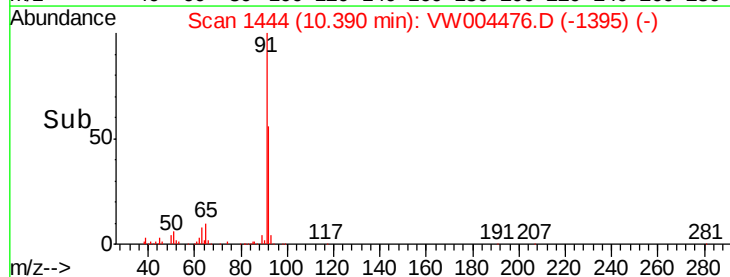
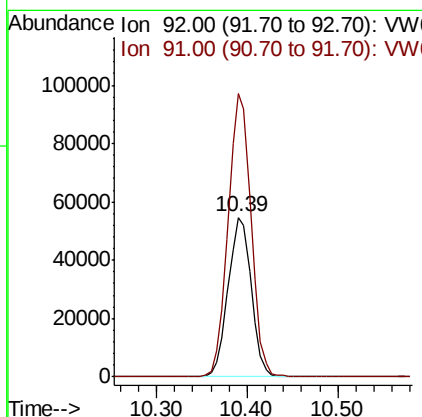
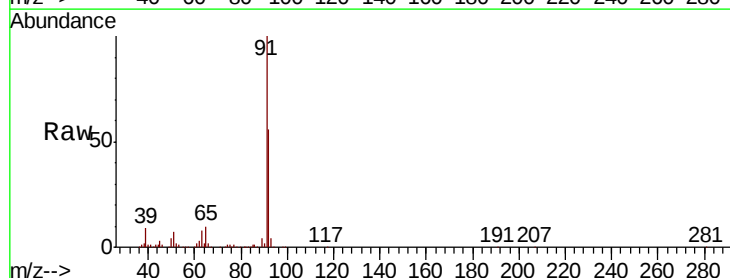
Manual Integrations  
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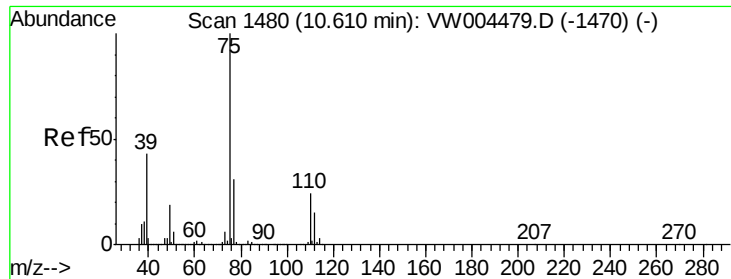
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#52  
Toluene  
Concen: 4.85 ug/l  
RT: 10.39 min Scan# 1444  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

| Tgt Ion   | 92    | Resp  | 96927 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 92        | 100   |       |       |
| 91        | 175.4 | 137.9 | 206.9 |





#53

t-1,3-Dichloropropene

Concen: 4.67 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 47643

Ion Ratio Lower Upper

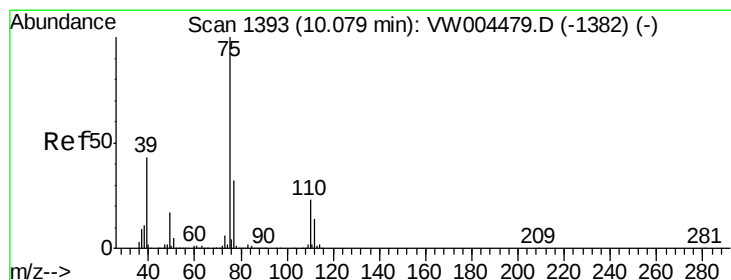
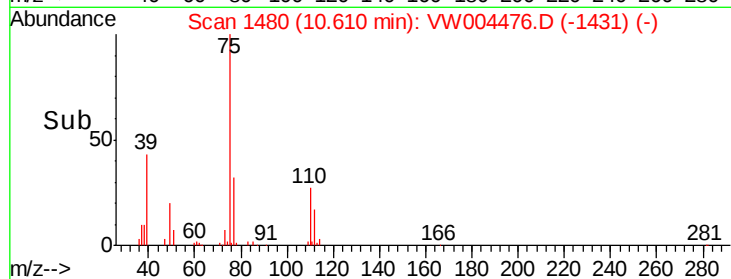
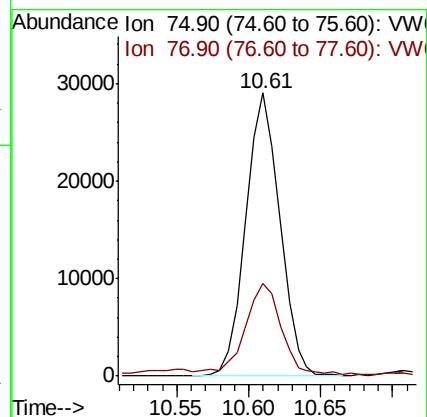
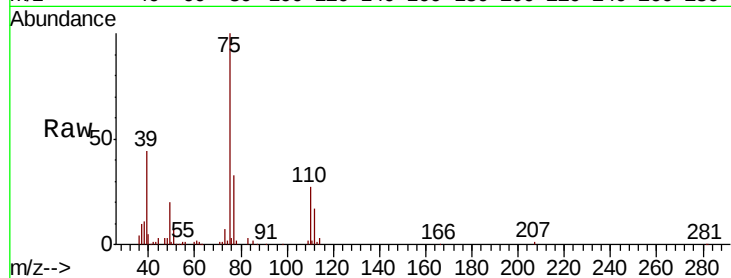
75 100

77 31.9 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 4.65 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

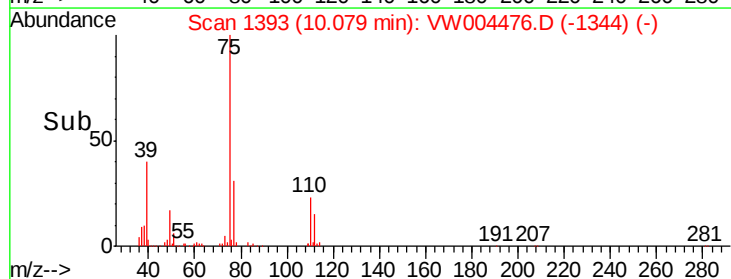
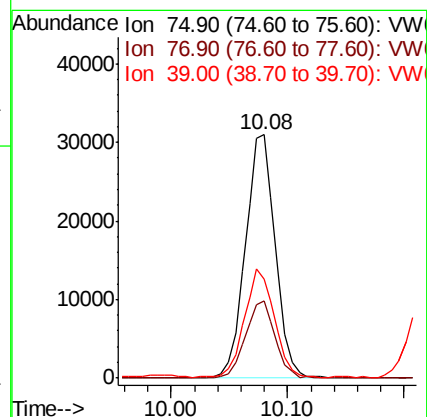
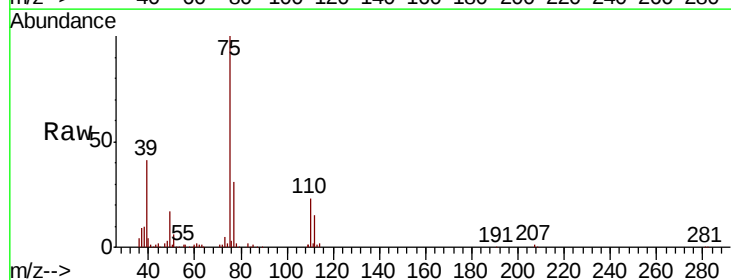
Tgt Ion: 75 Resp: 55356

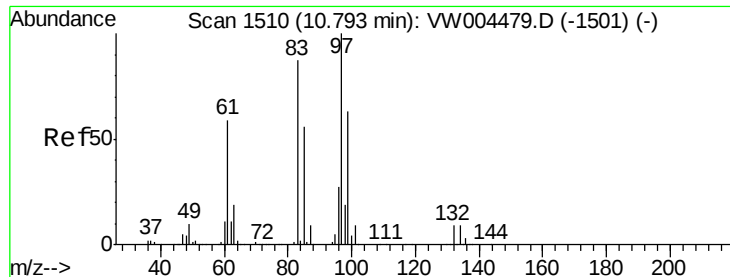
Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9

39 40.3 34.5 51.7





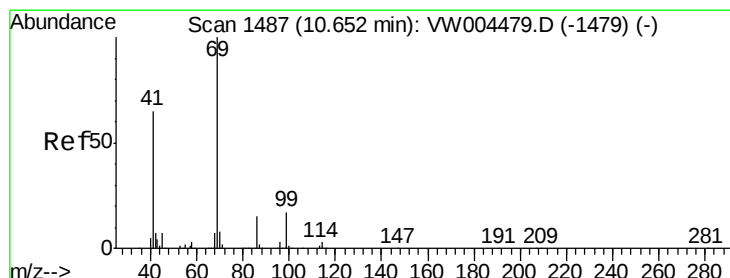
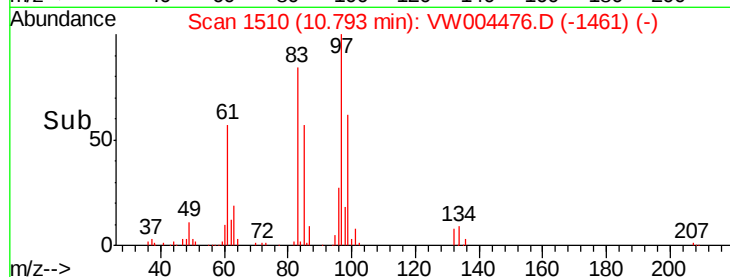
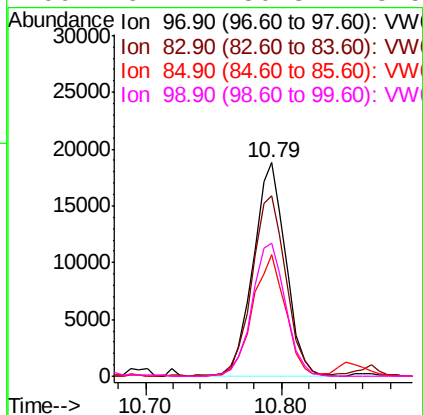
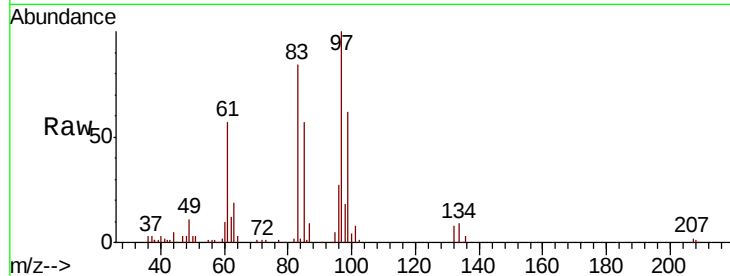
#55  
 1,1,2-Trichloroethane  
 Concen: 5.46 ug/l  
 RT: 10.79 min Scan# 1510  
 Delta R.T. 0.00 min  
 Lab File: VW004476.D  
 Acq: 06 Aug 2018 18:18

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 31563 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.2  | 69.8  | 104.8 |
| 85       | 56.8  | 45.1  | 67.7  |
| 99       | 62.2  | 50.3  | 75.5  |

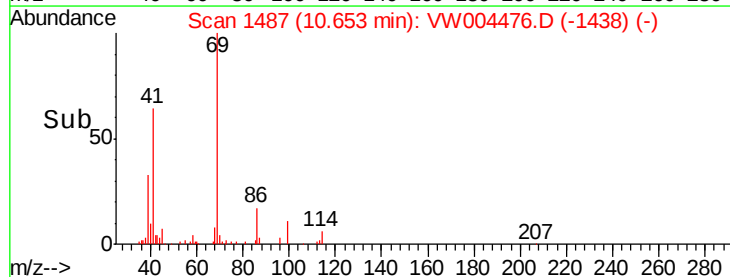
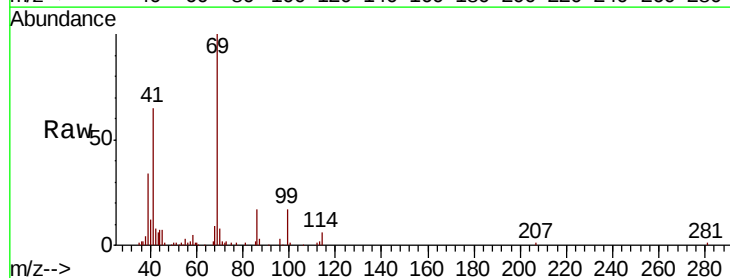
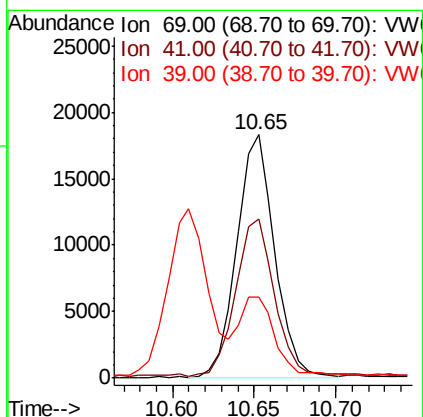
Manual Integrations  
 APPROVED

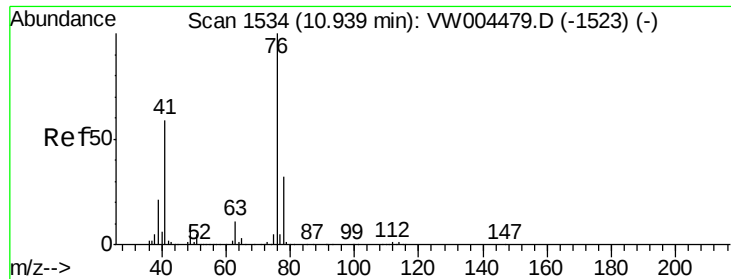
apatel  
 8/7/2018 4:48:50 PM



#56  
 Ethyl methacrylate  
 Concen: 4.23 ug/l  
 RT: 10.65 min Scan# 1487  
 Delta R.T. 0.00 min  
 Lab File: VW004476.D  
 Acq: 06 Aug 2018 18:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 29740 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 65.7  | 52.4  | 78.6  |
| 39       | 30.4  | 22.7  | 34.1  |





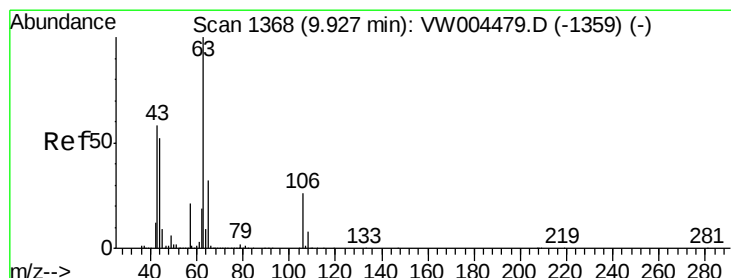
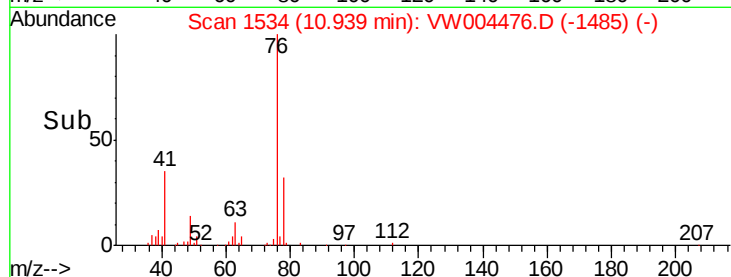
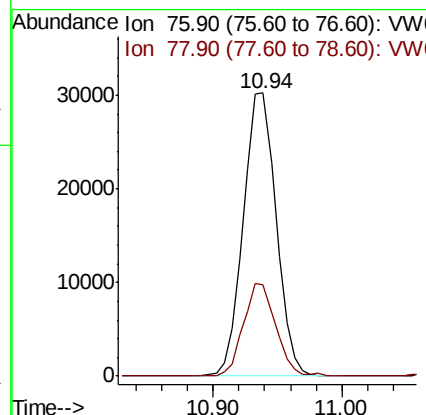
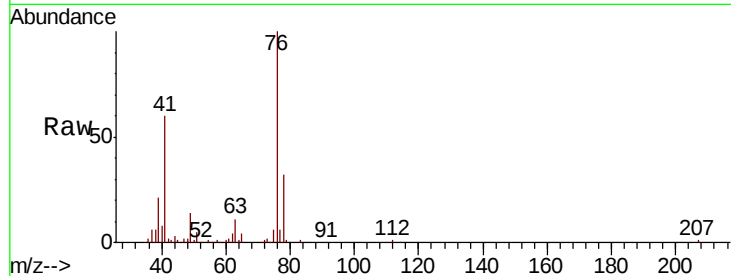
#57  
 1,3-Dichloropropane  
 Concen: 5.41 ug/l  
 RT: 10.94 min Scan# 1534  
 Delta R.T. 0.00 min  
 Lab File: VW004476.D  
 Acq: 06 Aug 2018 18:18

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 76 Resp: 53501  
 Ion Ratio Lower Upper  
 76 100  
 78 32.4 25.7 38.5

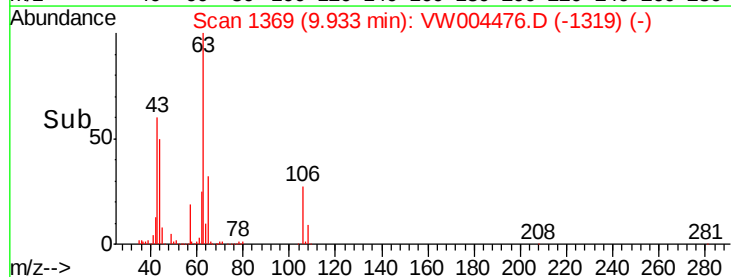
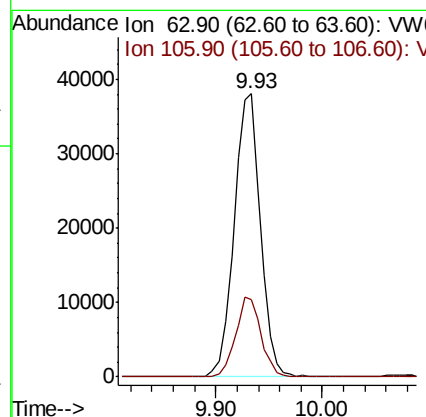
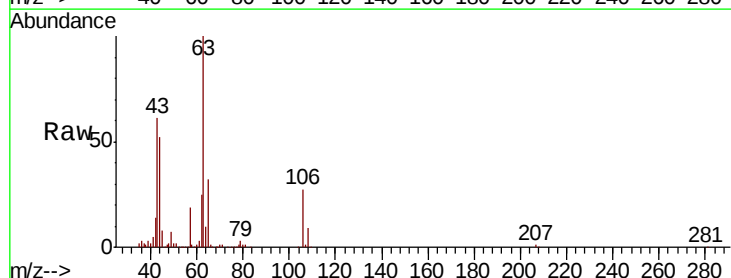
Manual Integrations  
 APPROVED

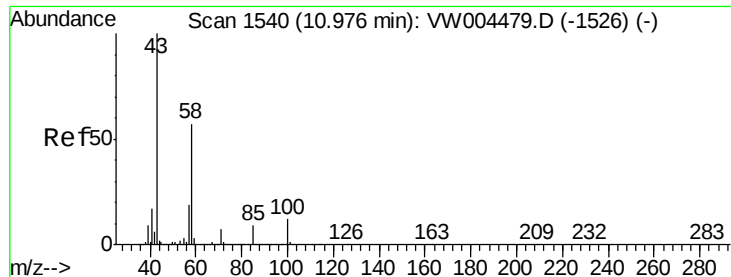
apatel  
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 20.37 ug/l  
 RT: 9.93 min Scan# 1369  
 Delta R.T. 0.01 min  
 Lab File: VW004476.D  
 Acq: 06 Aug 2018 18:18

Tgt Ion: 63 Resp: 65554  
 Ion Ratio Lower Upper  
 63 100  
 106 27.2 21.3 31.9





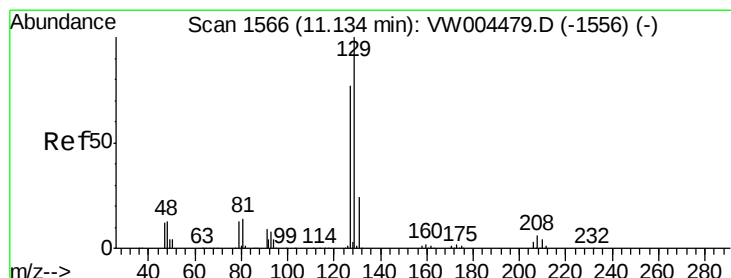
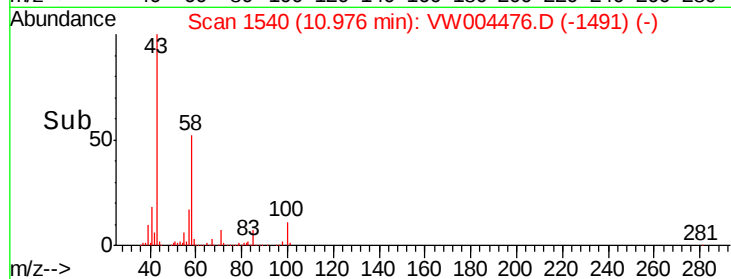
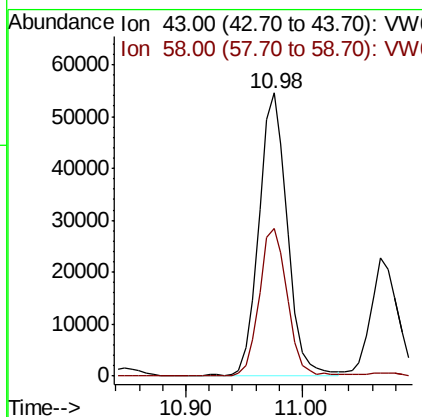
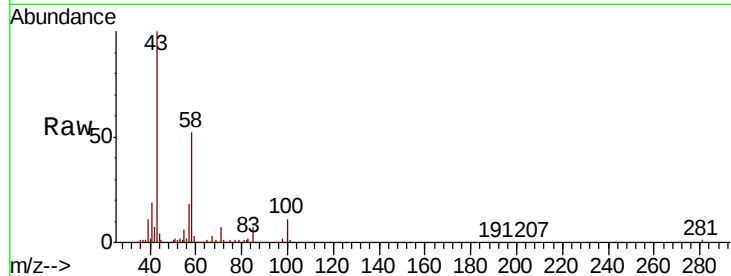
#59  
2-Hexanone  
Concen: 27.45 ug/l  
RT: 10.98 min Scan# 1540  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion   | 43 | Resp | 92331 |
|-----------|----|------|-------|
| Ion Ratio | 43 | 100  |       |
| Lower     | 58 | 51.8 | 27.9  |
| Upper     |    |      | 83.6  |

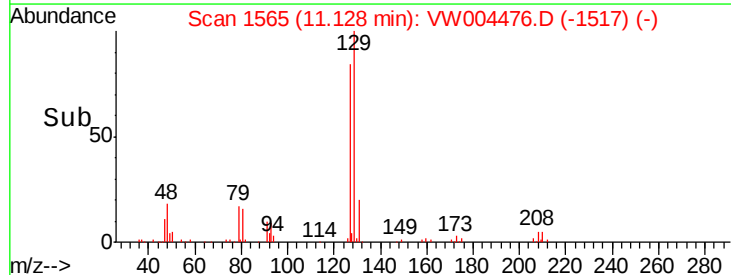
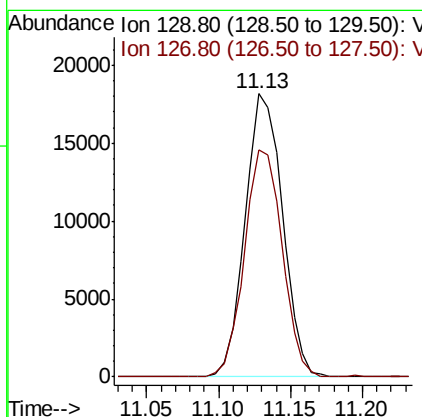
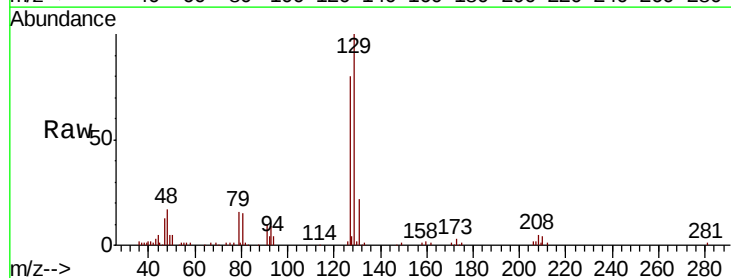
Manual Integrations  
APPROVED

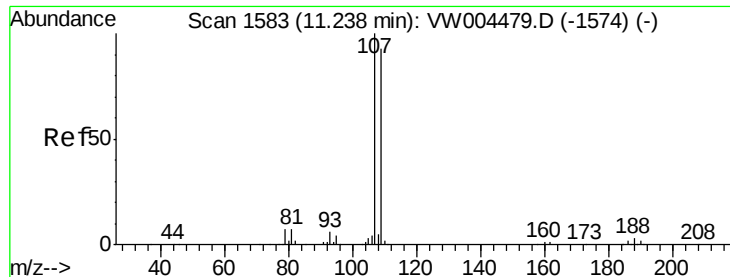
apatel  
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#60  
Dibromochloromethane  
Concen: 4.75 ug/l  
RT: 11.13 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

| Tgt Ion   | 129 | Resp | 32605 |
|-----------|-----|------|-------|
| Ion Ratio | 129 | 100  |       |
| Lower     | 127 | 80.9 | 38.6  |
| Upper     |     |      | 115.8 |





#61

1,2-Dibromoethane

Concen: 5.18 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 28646

Ion Ratio Lower Upper

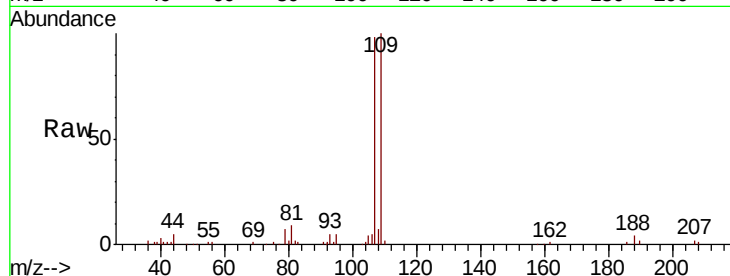
107 100

109 96.1 75.7 113.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

20000

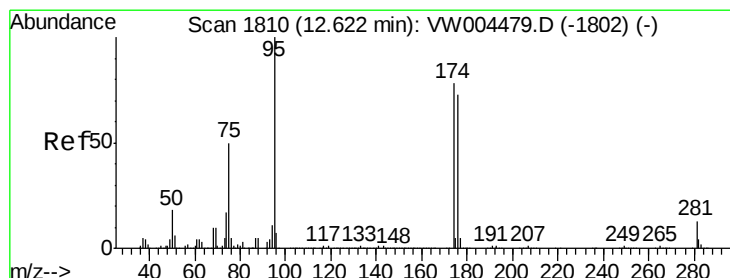
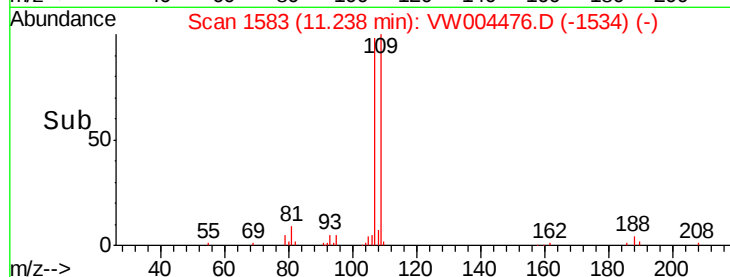
15000

10000

5000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 4.81 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

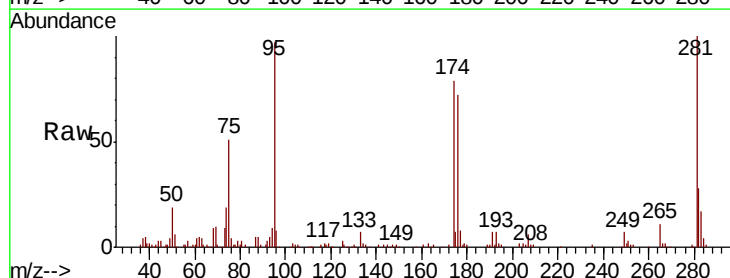
Tgt Ion: 95 Resp: 48000

Ion Ratio Lower Upper

95 100

174 80.6 0.0 160.4

176 77.8 0.0 153.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

40000

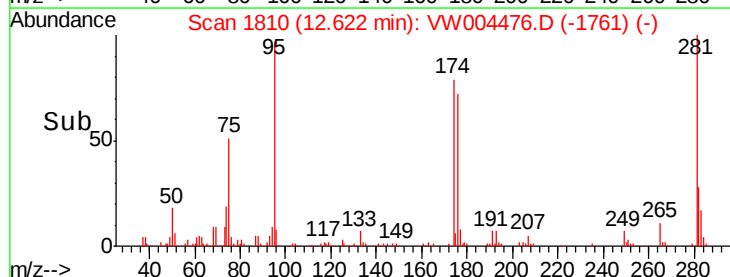
30000

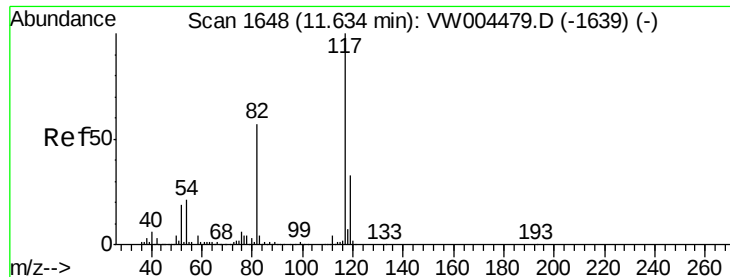
20000

10000

0

Time--> 12.55 12.60 12.65 12.70





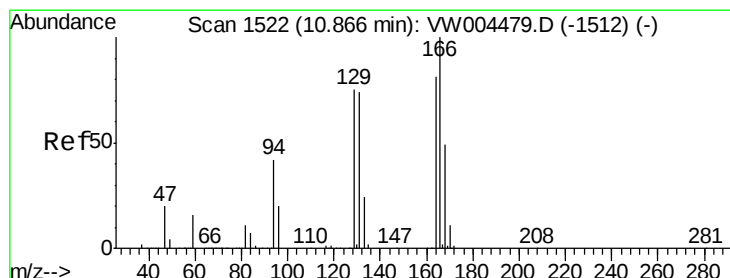
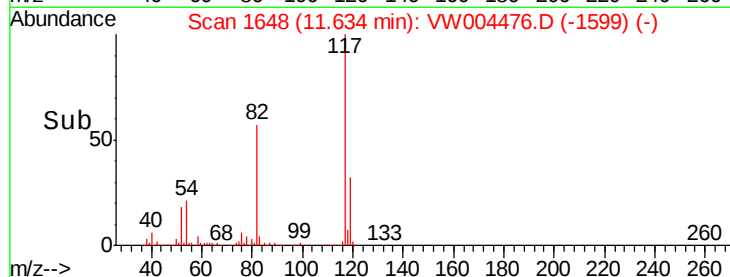
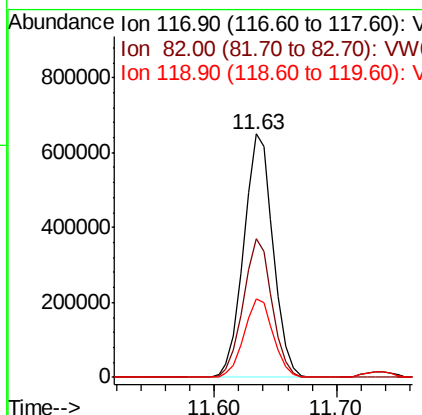
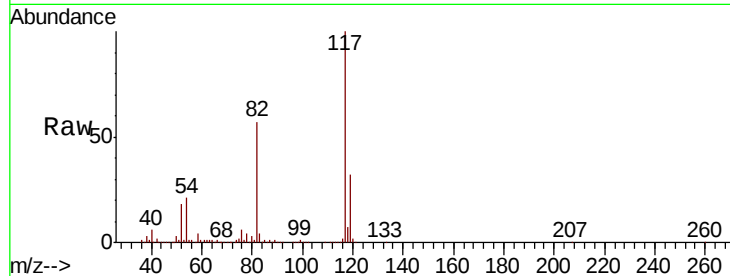
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.1  | 45.3  | 67.9  |
| 119     | 32.0  | 26.2  | 39.4  |

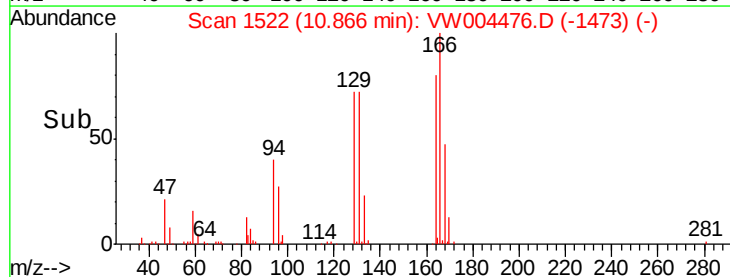
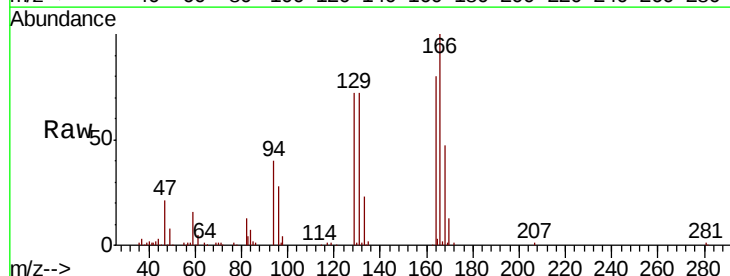
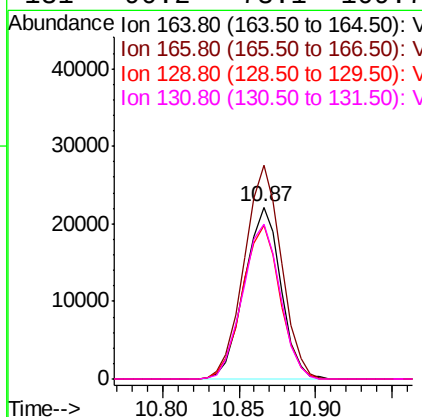
Manual Integrations  
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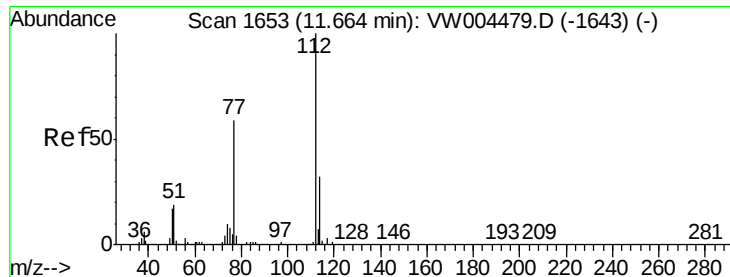
apatel  
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#64  
Tetrachloroethene  
Concen: 4.68 ug/l  
RT: 10.87 min Scan# 1522  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 124.4 | 98.4  | 147.6 |
| 129     | 89.7  | 73.6  | 110.4 |
| 131     | 90.2  | 73.1  | 109.7 |





#65

Chlorobenzene

Concen: 5.12 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 116011

Ion Ratio Lower Upper

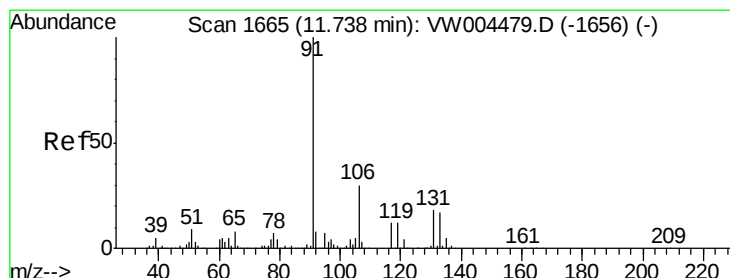
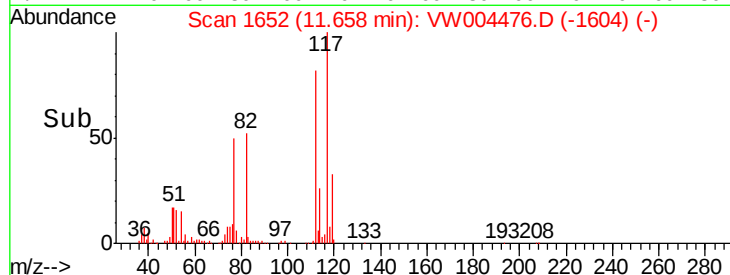
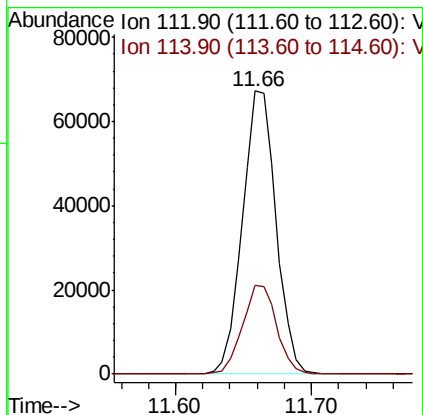
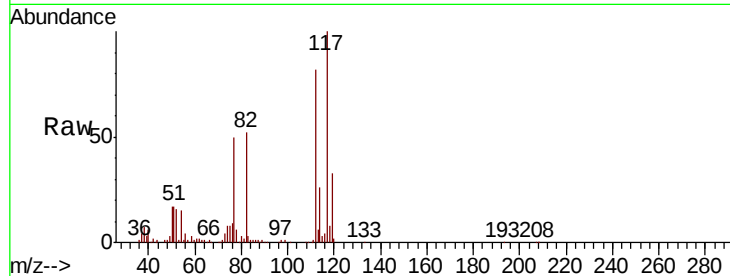
112 100

114 31.4 26.0 39.0

Manual Integrations  
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#66

1,1,1,2-Tetrachloroethane

Concen: 4.76 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

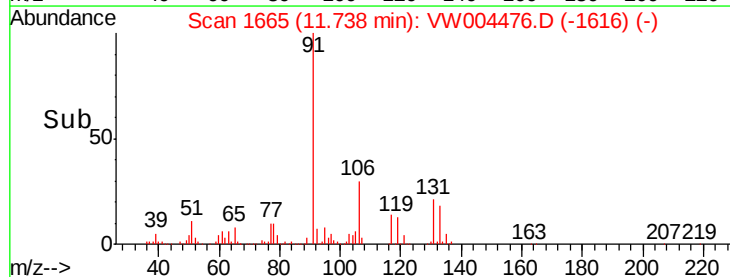
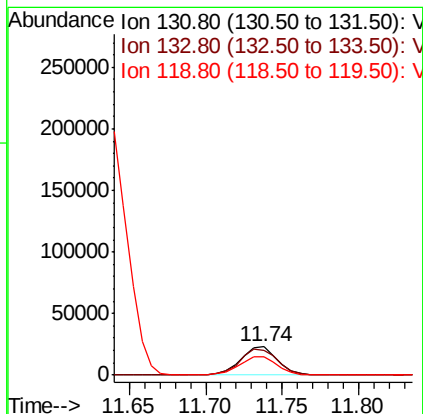
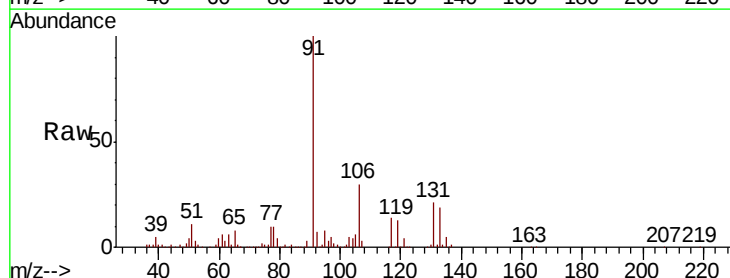
Tgt Ion:131 Resp: 38104

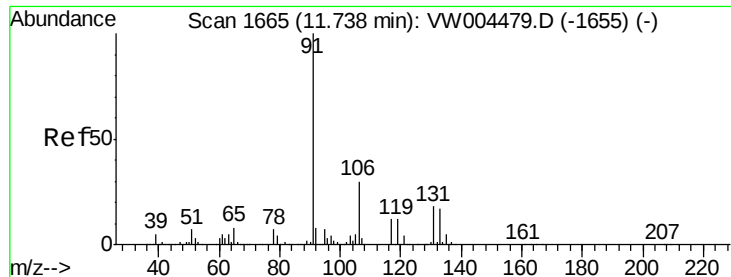
Ion Ratio Lower Upper

131 100

133 96.6 48.1 144.4

119 67.2 33.9 101.7





#67

Ethyl Benzene

Concen: 4.44 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 175885

Ion Ratio Lower Upper

91 100

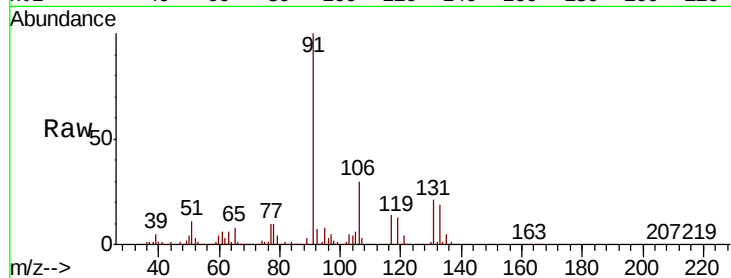
106 30.5 24.2 36.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

150000

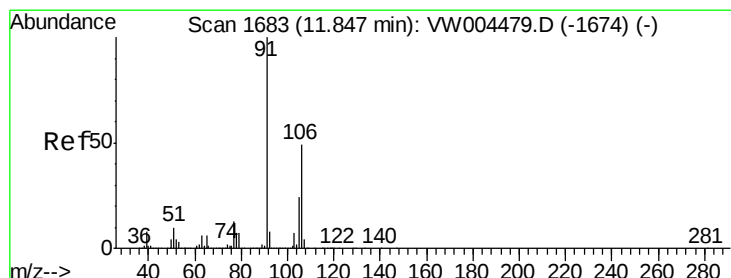
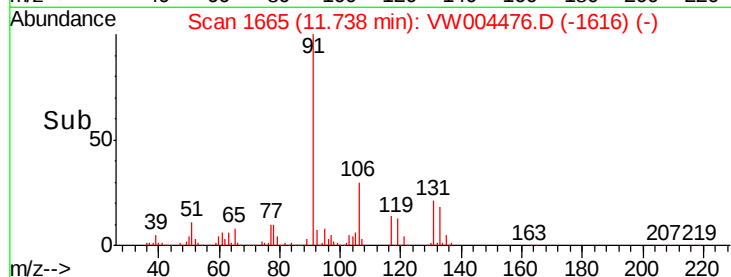
100000

50000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 8.77 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004476.D

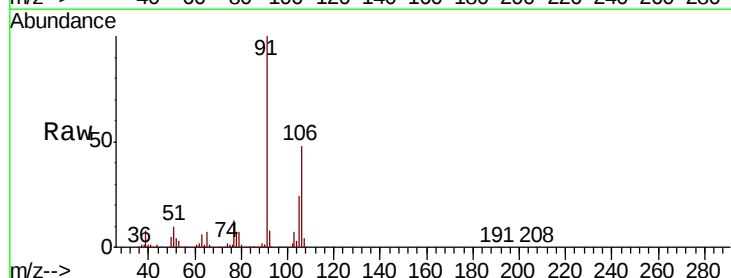
Acq: 06 Aug 2018 18:18

Tgt Ion: 106 Resp: 133465

Ion Ratio Lower Upper

106 100

91 202.0 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

150000

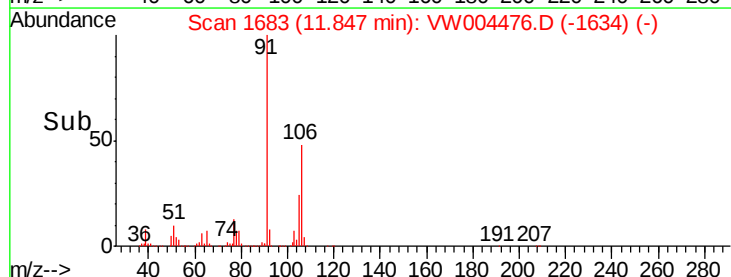
100000

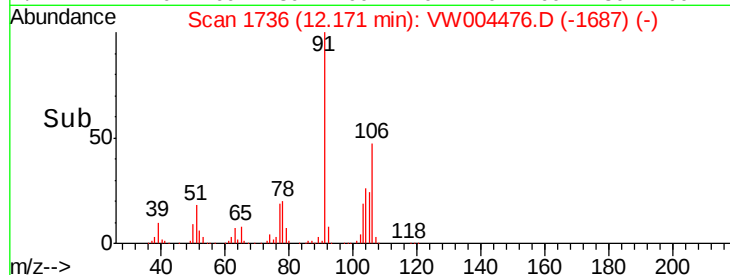
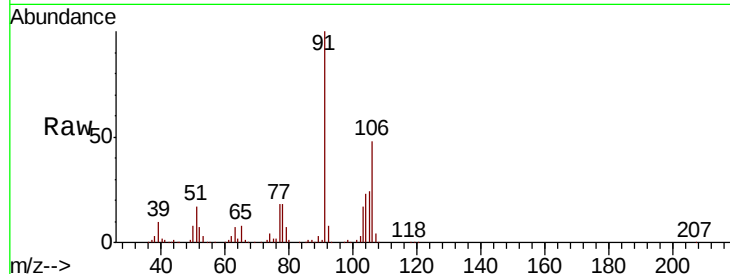
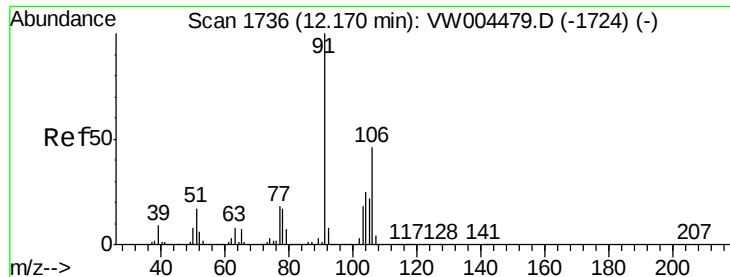
50000

0

11.80 11.85 11.90

Time-->





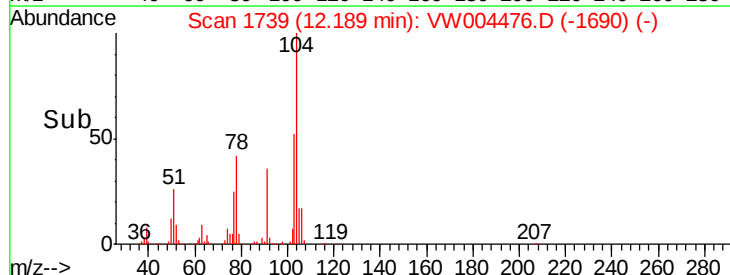
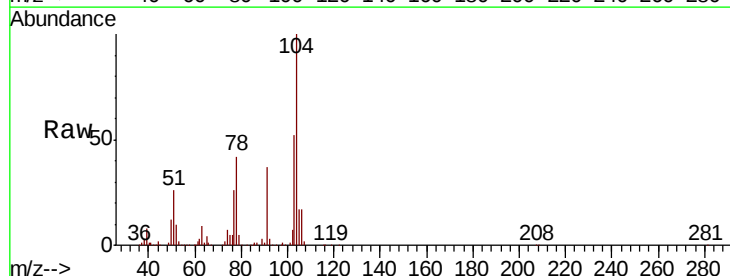
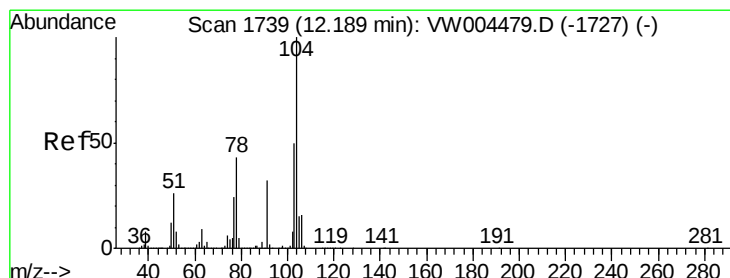
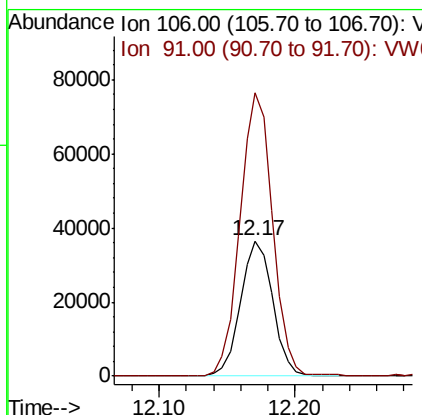
#69  
o-Xylene  
Concen: 4.28 ug/l  
RT: 12.17 min Scan# 1736  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Tot Ion:106 Resp: 60158  
Ion Ratio Lower Upper  
106 100  
91 213.2 106.7 320.2

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC005

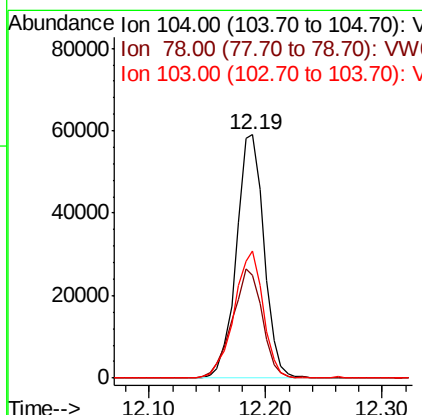
Manual Integrations  
APPROVED

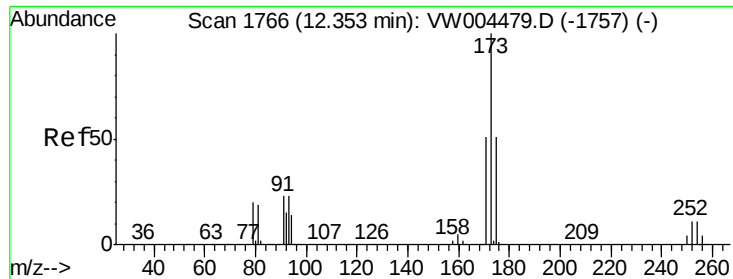
apatel  
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#70  
Styrene  
Concen: 4.11 ug/l  
RT: 12.19 min Scan# 1739  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Tgt Ion:104 Resp: 98075  
Ion Ratio Lower Upper  
104 100  
78 48.9 39.0 58.4  
103 54.8 44.2 66.2





#71

Bromoform

Concen: 4.52 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 20229

Ion Ratio Lower Upper

173 100

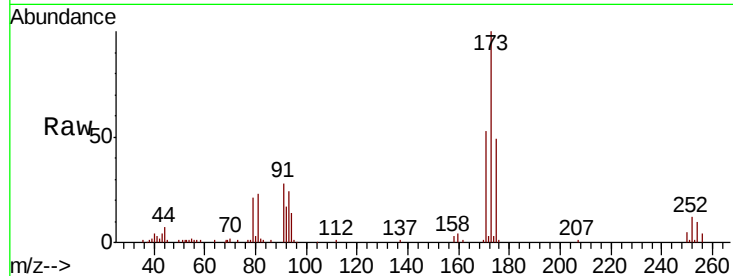
175 47.8 24.5 73.5

254 0.0 0.2 0.2#

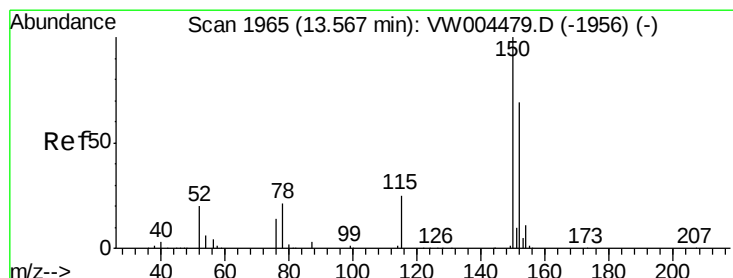
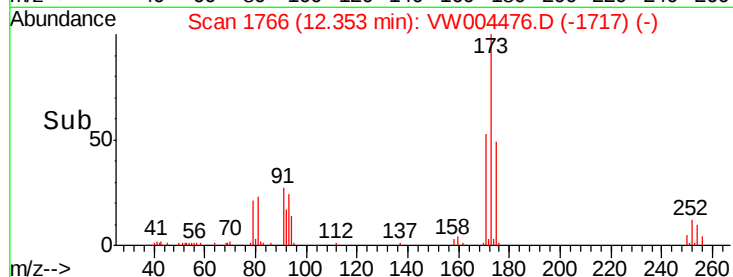
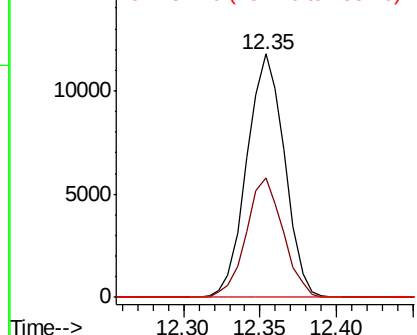
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

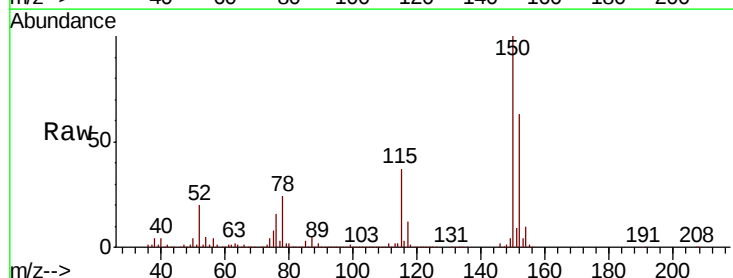
Tgt Ion:152 Resp: 574507

Ion Ratio Lower Upper

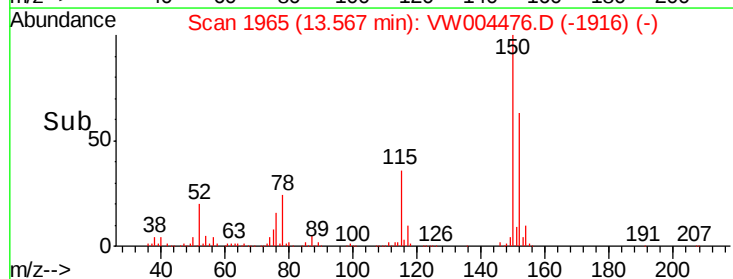
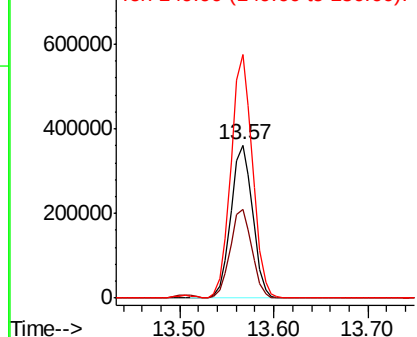
152 100

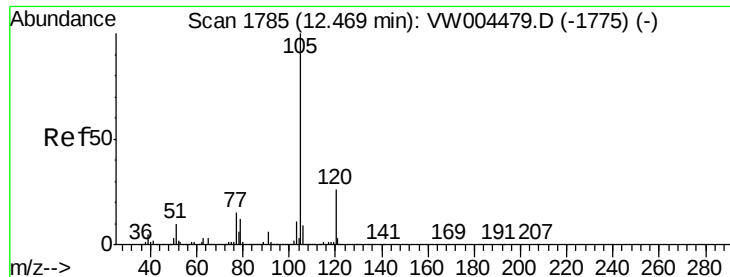
115 58.1 29.1 87.3

150 158.8 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.12 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 164914

Ion Ratio Lower Upper

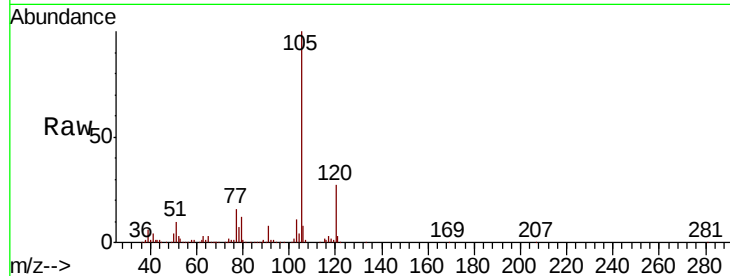
105 100

120 26.3 13.2 39.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

40000

20000

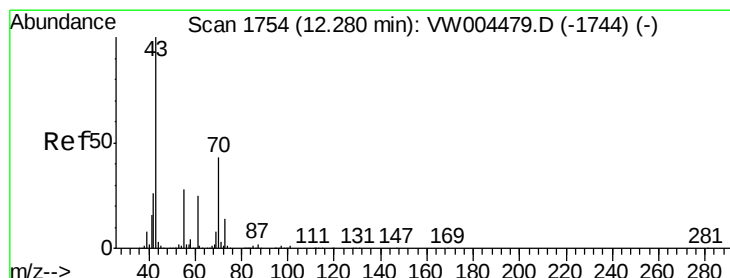
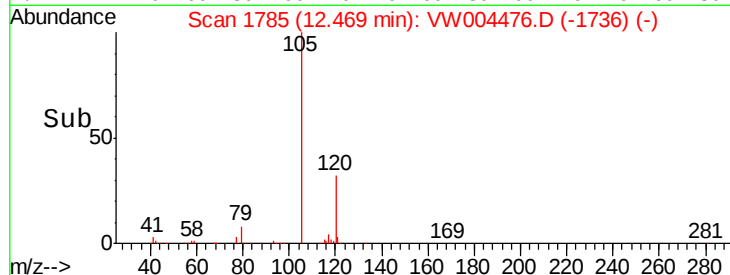
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 4.17 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Tgt Ion: 43 Resp: 36711

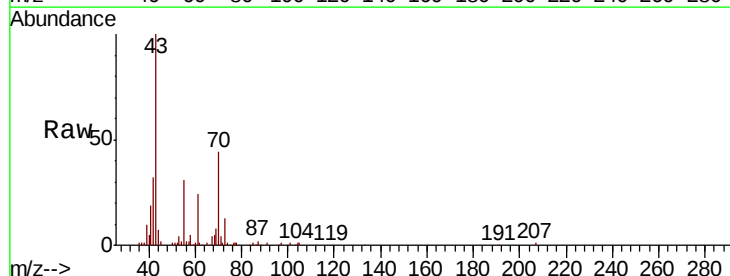
Ion Ratio Lower Upper

43 100

70 43.5 35.3 52.9

55 30.1 22.9 34.3

61 22.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

30000

20000

10000

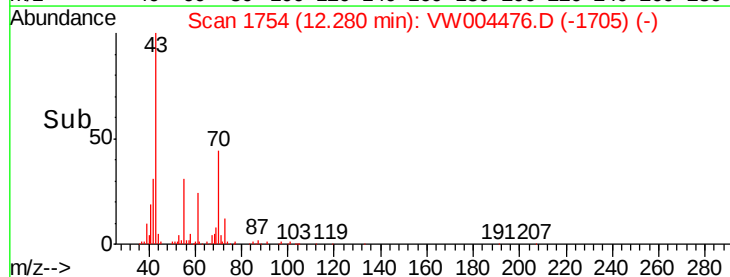
0

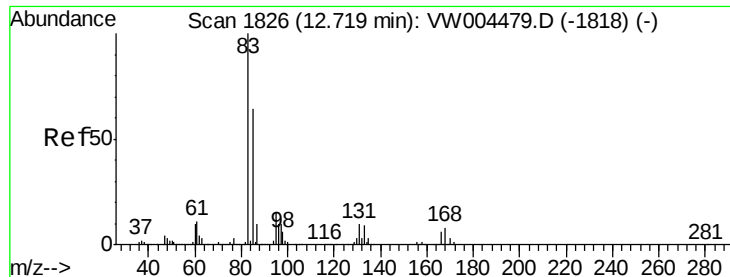
12.28

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.51 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

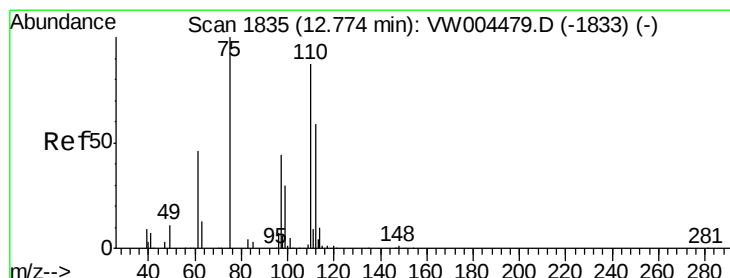
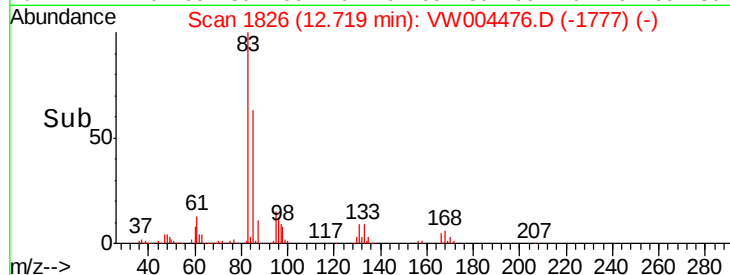
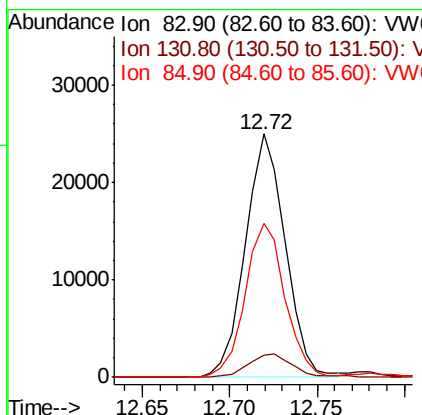
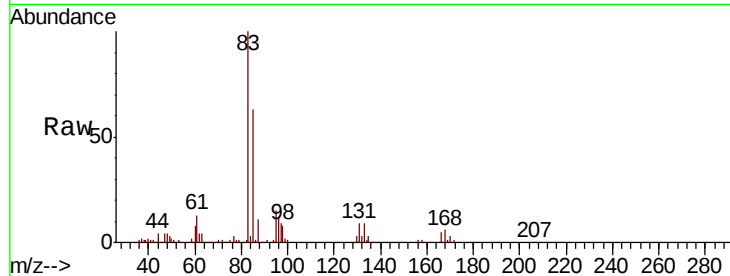
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 39563 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.8  | 5.0   | 15.0  |
| 85        | 63.5  | 31.8  | 95.4  |

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#76

1,2,3-Trichloropropane

Concen: 6.13 ug/l m

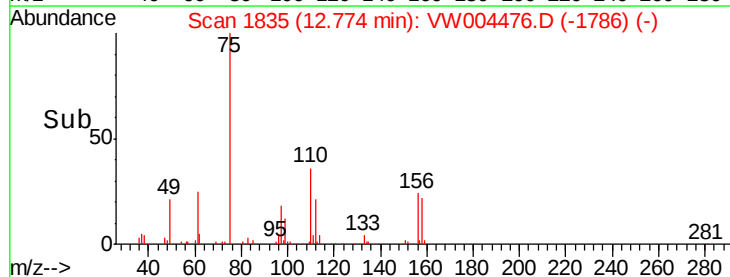
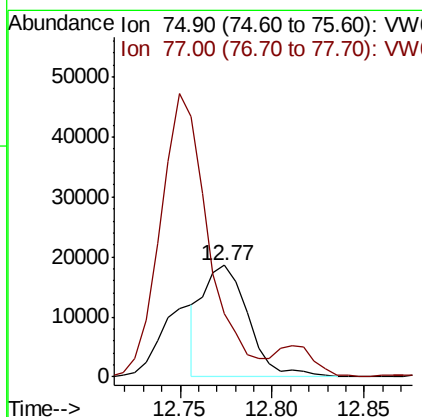
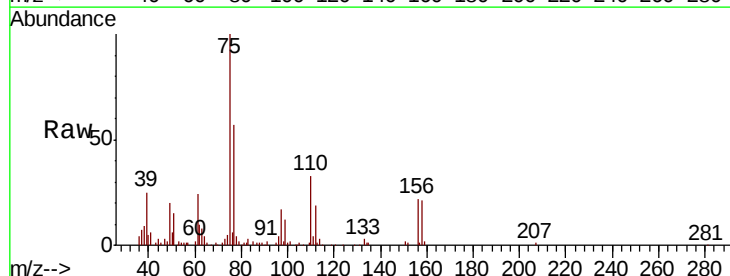
RT: 12.77 min Scan# 1835

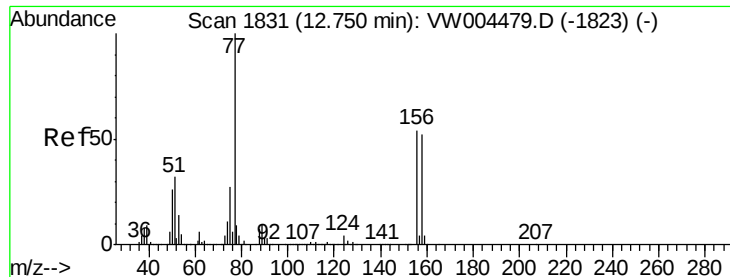
Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 31811 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 4.61 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

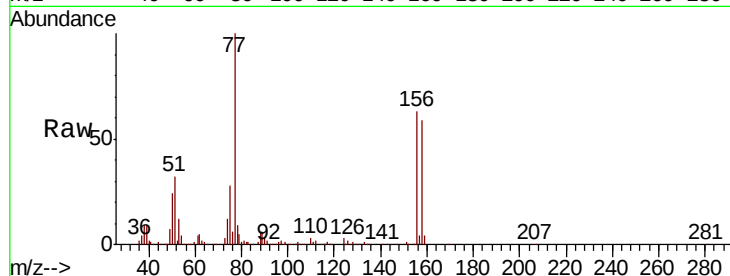
ClientSampleId :

VSTDIC005

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 195.7 | 98.7  | 296.1 |       |
| 158     | 96.7  | 48.7  | 146.1 |       |

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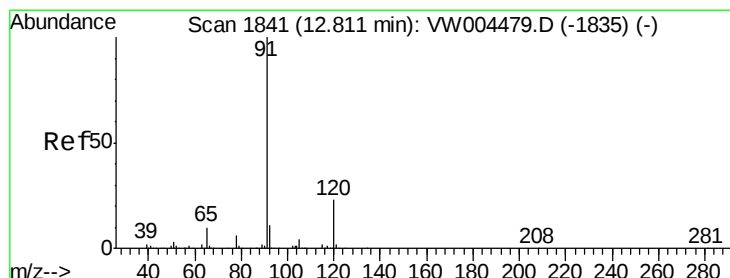
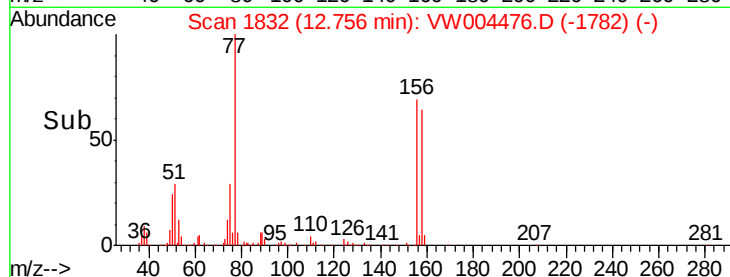
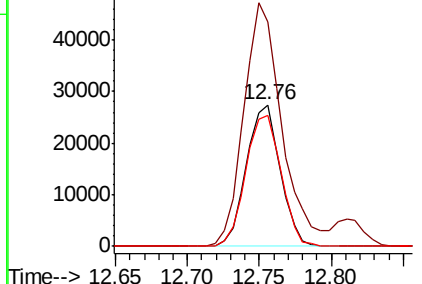
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.21 ug/l

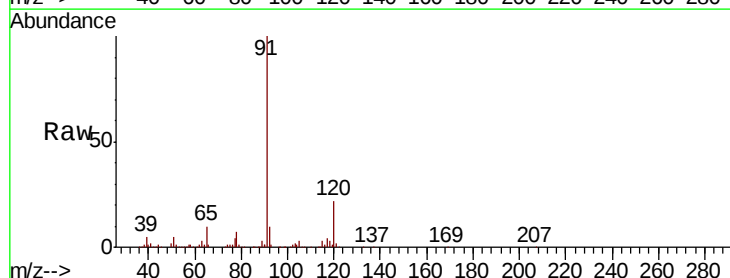
RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004476.D

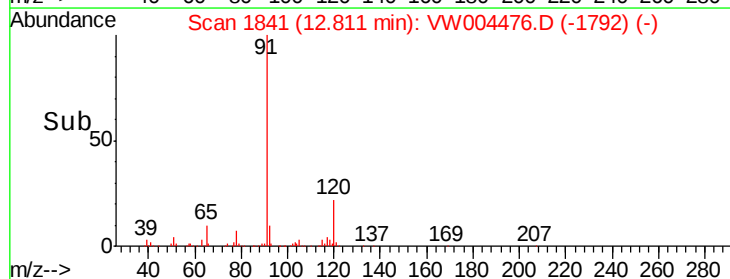
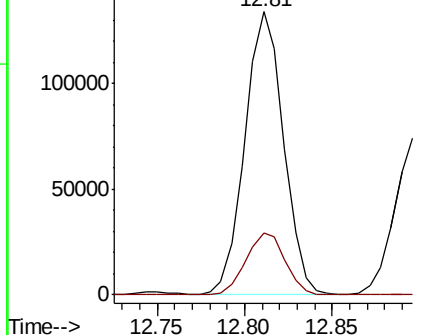
Acq: 06 Aug 2018 18:18

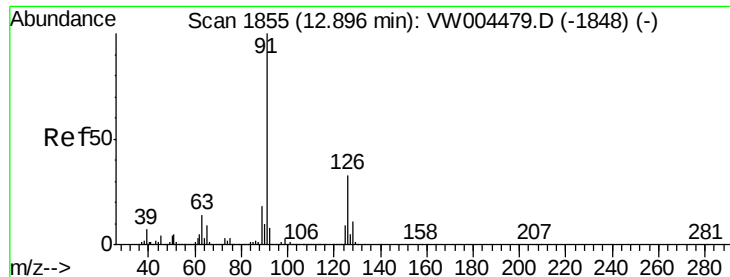
| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 22.4 | 11.3  | 33.9  |       |



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.47 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 124870

Ion Ratio Lower Upper

91 100

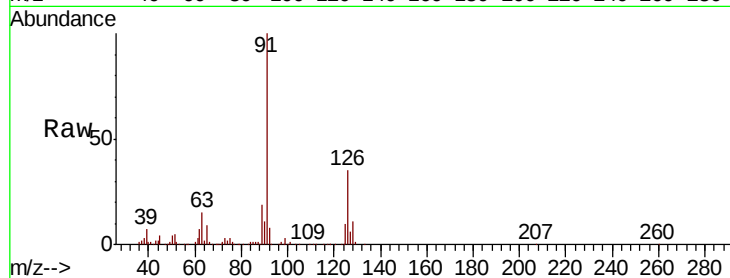
126 33.7 16.6 49.8

Manual Integrations

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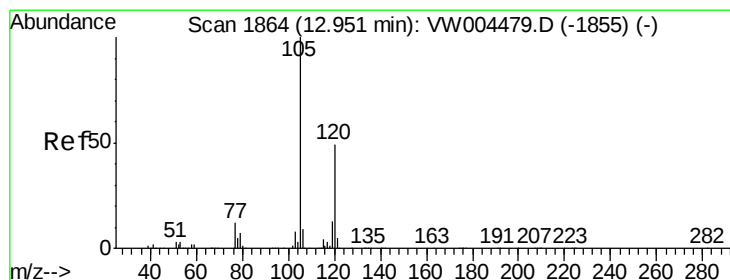
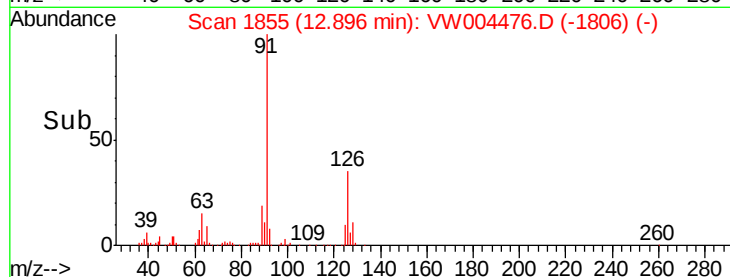
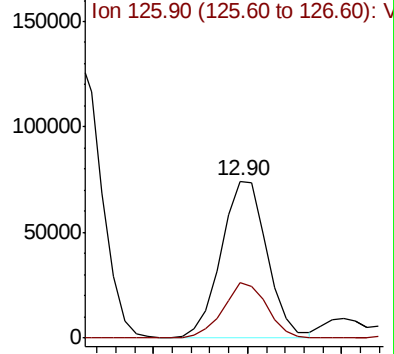
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 3.97 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004476.D

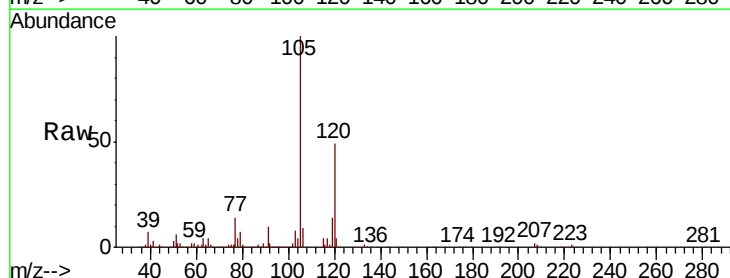
Acq: 06 Aug 2018 18:18

Tgt Ion:105 Resp: 137003

Ion Ratio Lower Upper

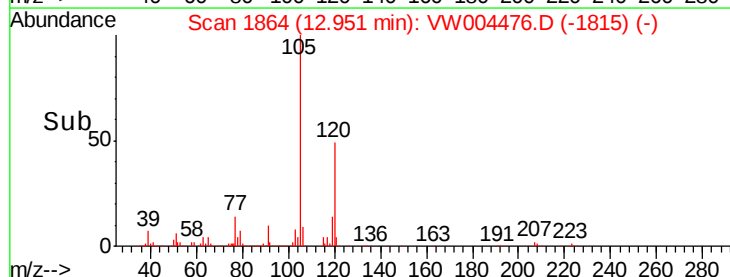
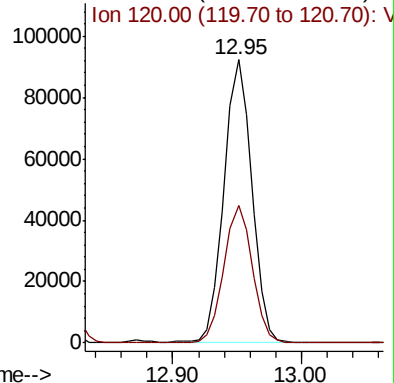
105 100

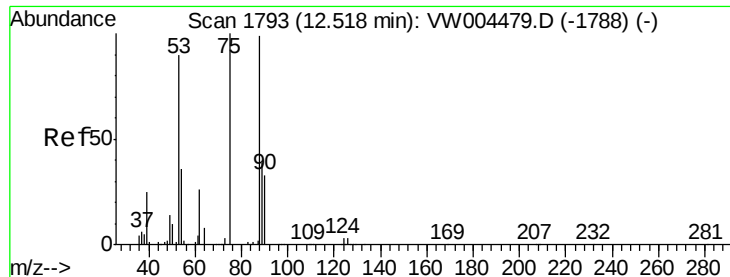
120 50.2 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.63 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

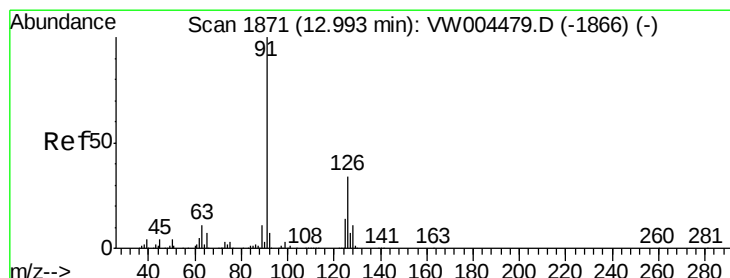
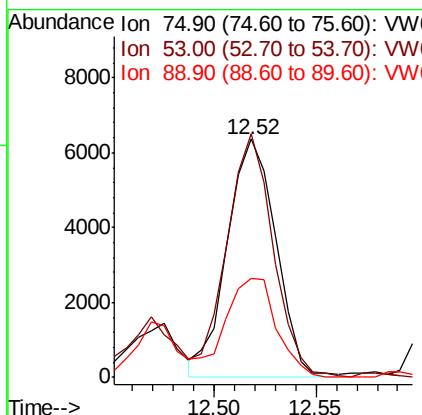
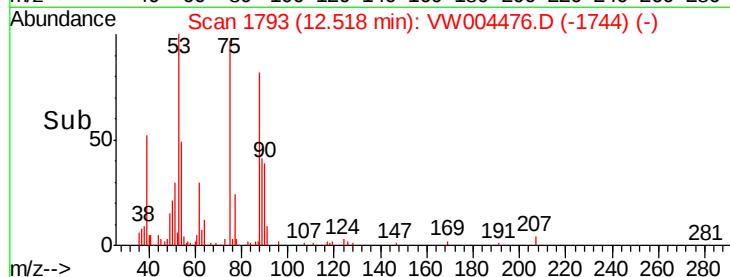
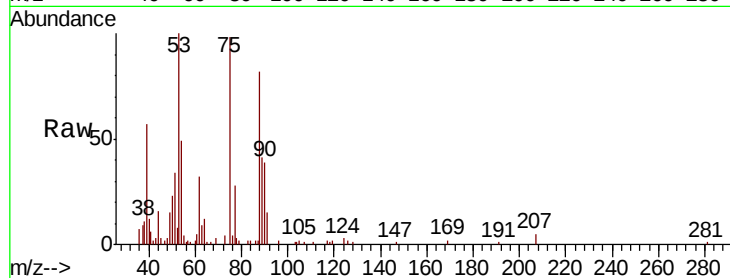
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 10589 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 97.2  | 74.4  | 111.6 |
| 89        | 44.0  | 35.9  | 53.9  |

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#82

4-Chlorotoluene

Concen: 4.59 ug/l

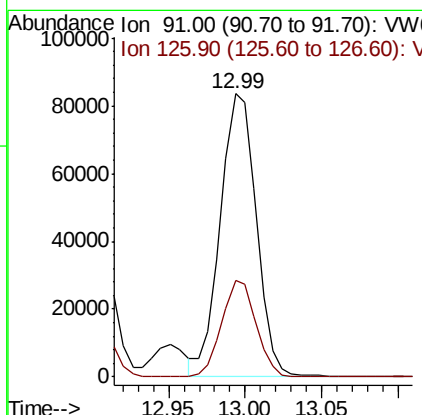
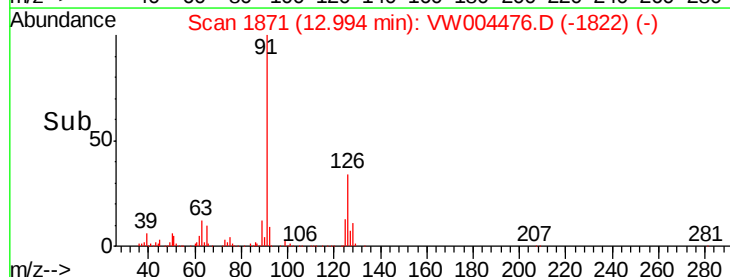
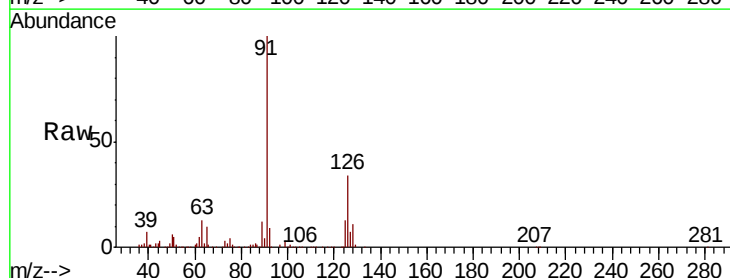
RT: 12.99 min Scan# 1871

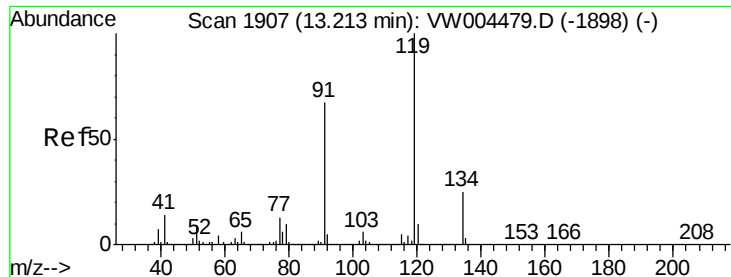
Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 136254 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 32.6  | 16.5  | 49.5   |





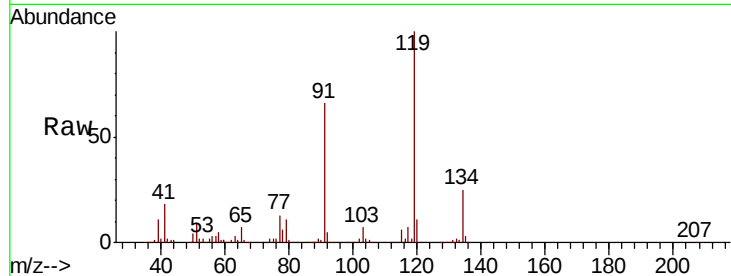
#83  
tert-Butylbenzene  
Concen: 4.00 ug/l  
RT: 13.21 min Scan# 1907  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

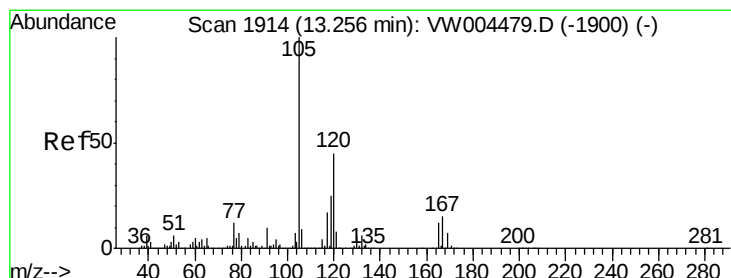
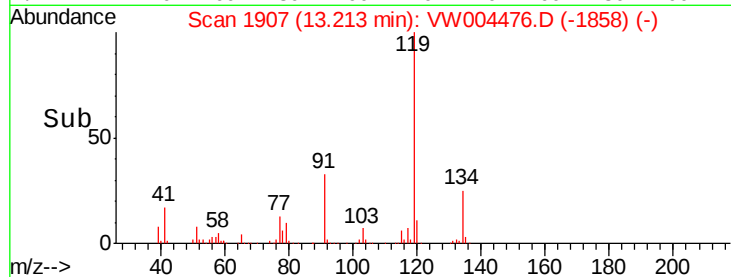
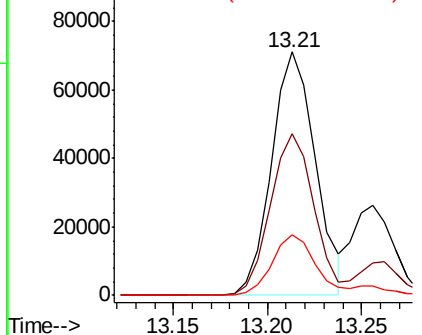
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 66.5  | 33.3  | 99.8  |
| 134     | 24.7  | 12.2  | 36.6  |

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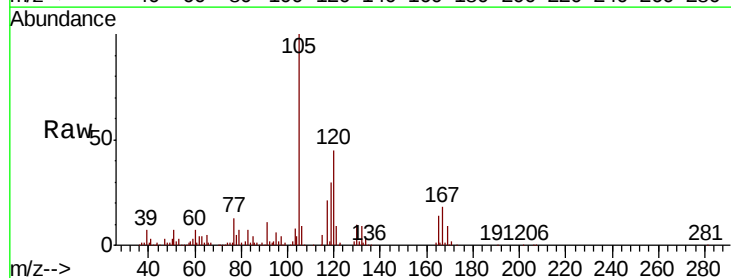


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

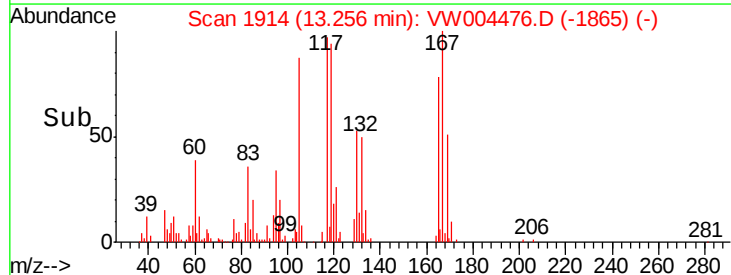
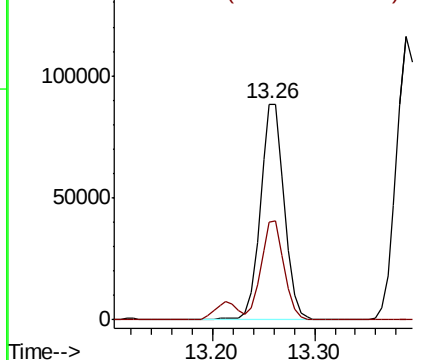


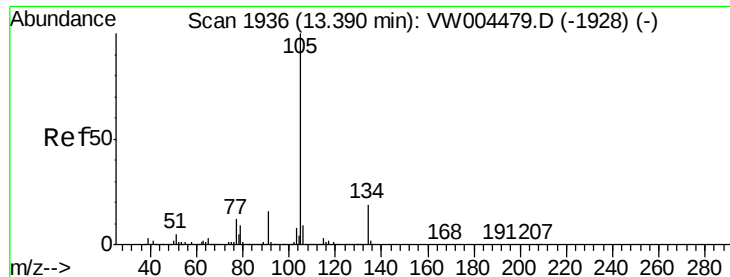
#84  
1,2,4-Trimethylbenzene  
Concen: 4.09 ug/l  
RT: 13.26 min Scan# 1914  
Delta R.T. 0.00 min  
Lab File: VW004476.D  
Acq: 06 Aug 2018 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.7  | 22.6  | 67.8  |



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.29 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 179844

Ion Ratio Lower Upper

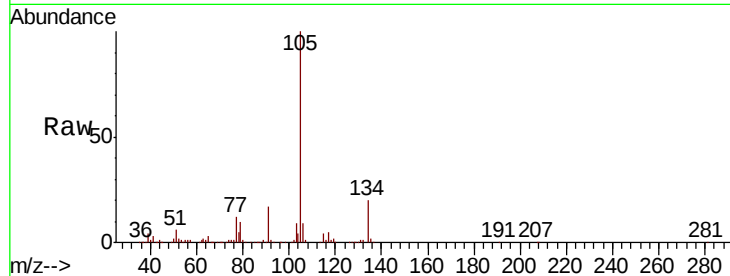
105 100

134 20.2 9.8 29.5

Manual Integrations  
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

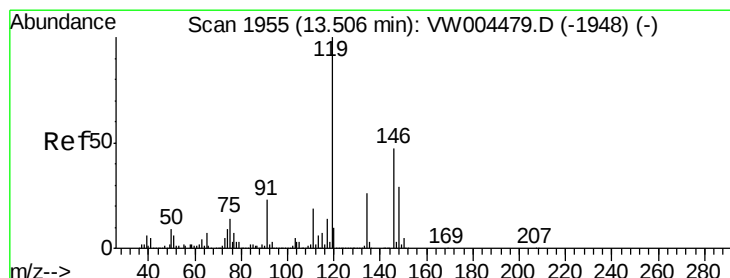
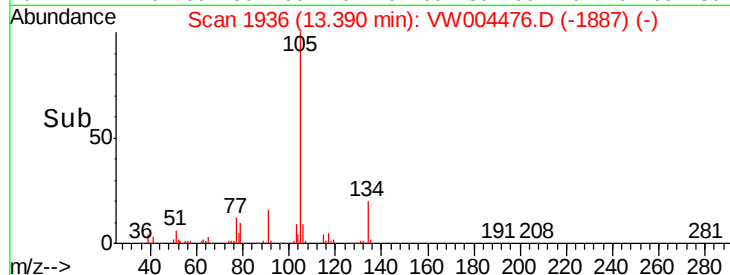
13.39

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 3.98 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

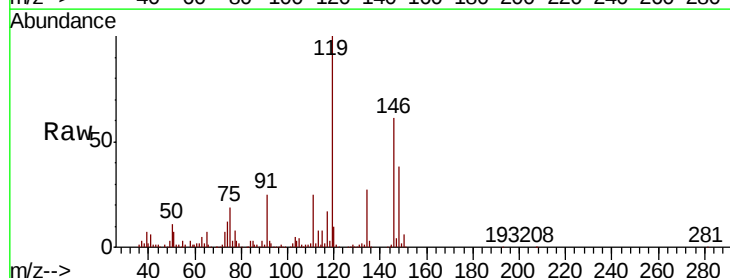
Tgt Ion:119 Resp: 149652

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.1

91 23.8 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

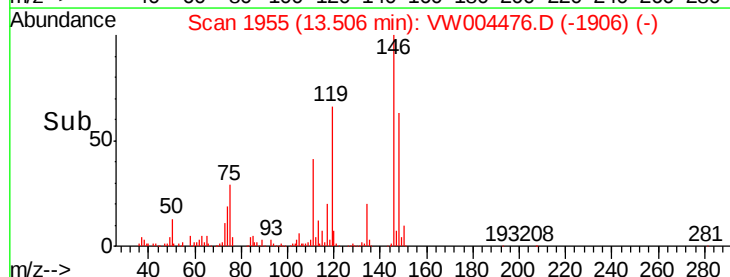
13.51

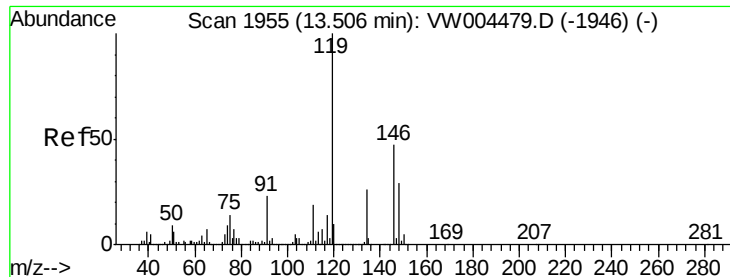
100000

50000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 4.90 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

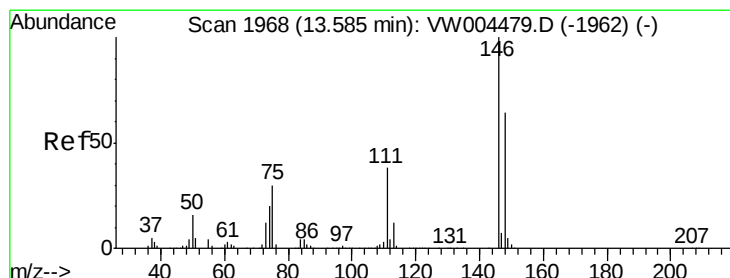
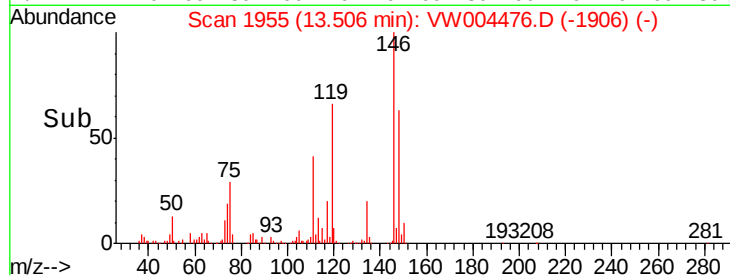
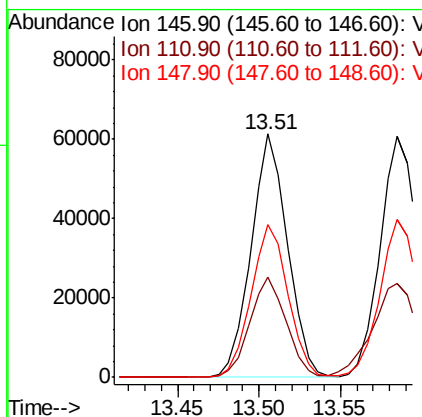
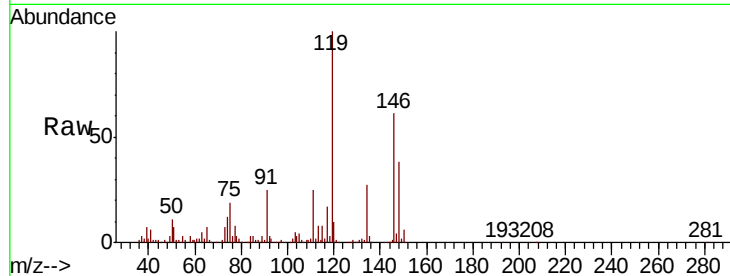
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 146   | Resp: | 95006 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 41.0  | 20.0  | 59.9  |
| 148       | 63.6  | 31.7  | 95.1  |

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#88

1,4-Dichlorobenzene

Concen: 5.09 ug/l

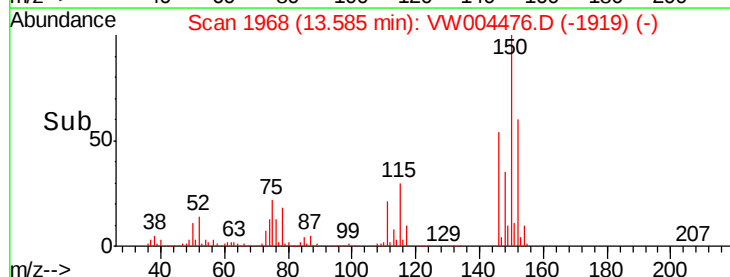
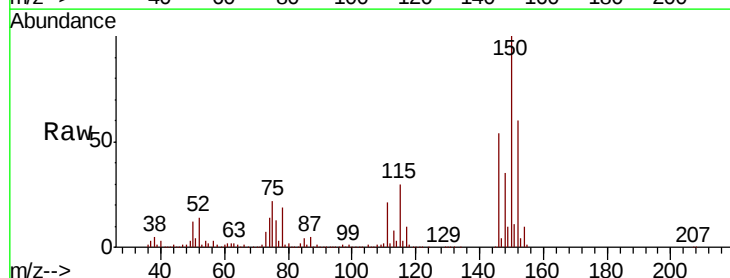
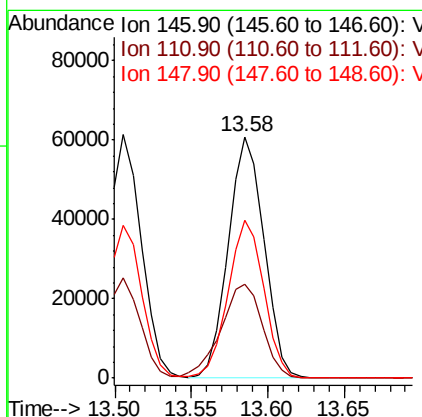
RT: 13.58 min Scan# 1968

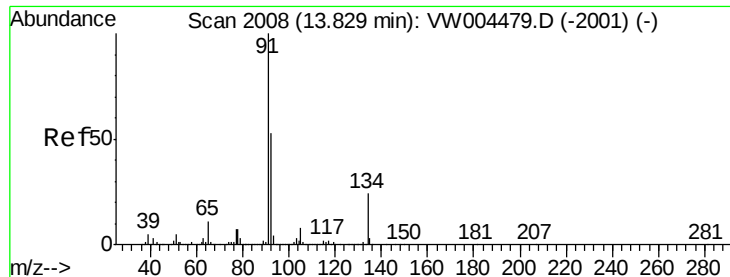
Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 98567 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 45.0  | 19.6  | 58.8  |
| 148       | 65.7  | 31.9  | 95.5  |





#89

n-Butylbenzene

Concen: 4.33 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

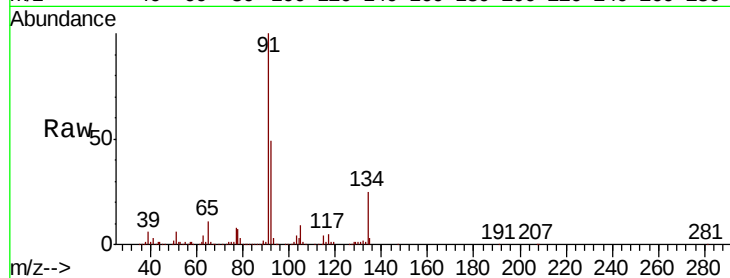
ClientSampleId :

VSTDIC005

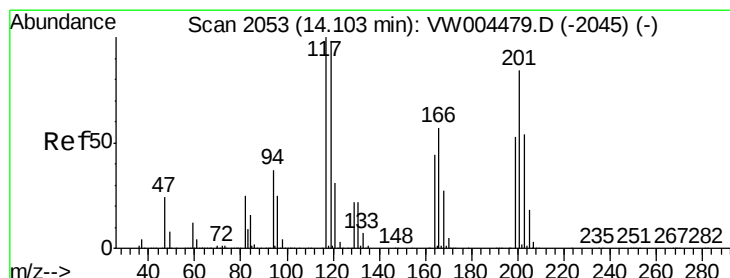
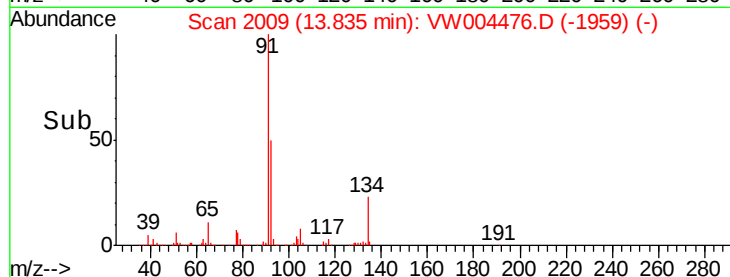
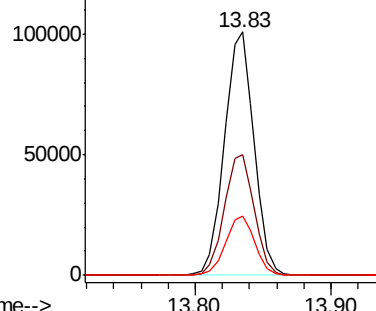
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 91    | Resp: | 153208 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 50.2  | 26.4  | 79.0   |
| 134       | 24.3  | 12.4  | 37.2   |

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Abundance Ion 91.00 (90.70 to 91.70): VW  
Ion 92.00 (91.70 to 92.70): VW  
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 4.79 ug/l

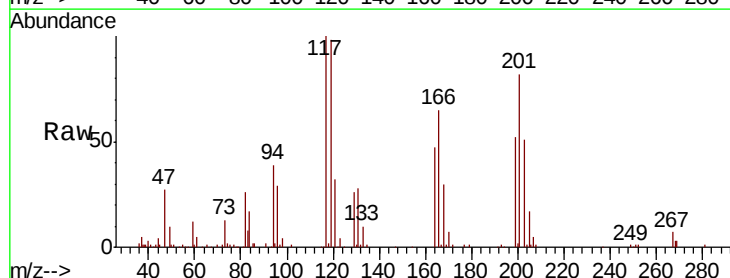
RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

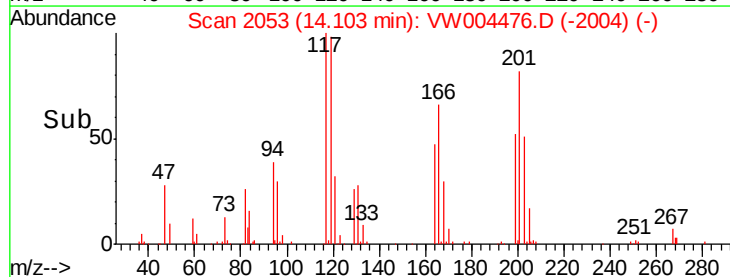
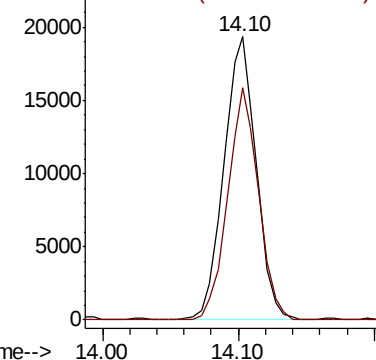
Lab File: VW004476.D

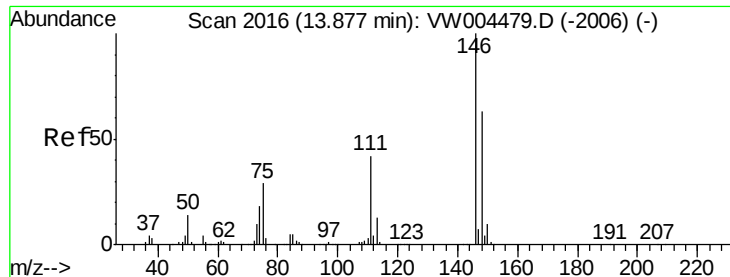
Acq: 06 Aug 2018 18:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 32148 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 201       | 78.4  | 40.1  | 120.3 |



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 200.70 (200.40 to 201.40): V





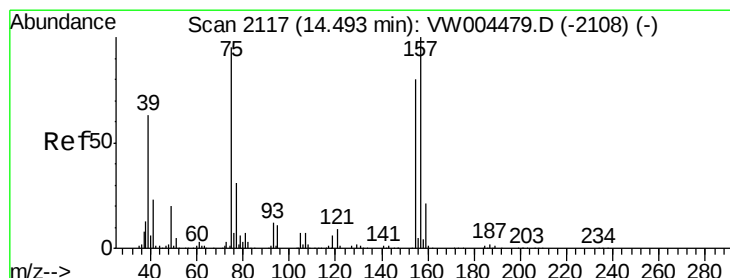
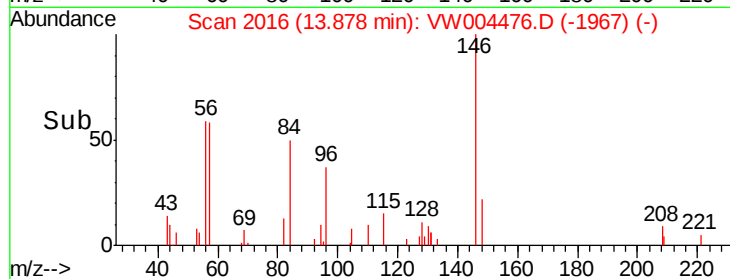
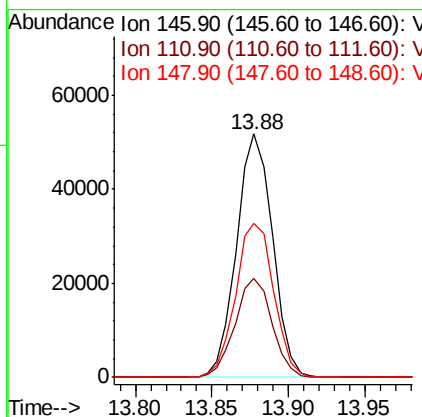
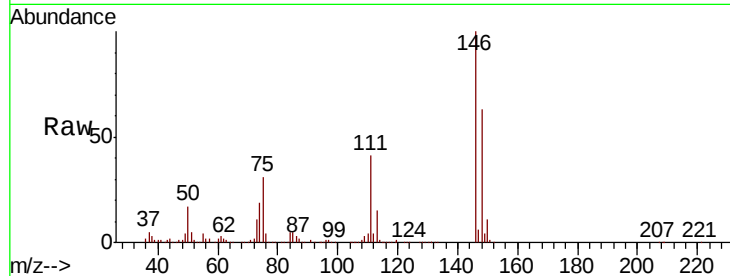
#91  
 1,2-Dichlorobenzene  
 Concen: 4.88 ug/l  
 RT: 13.88 min Scan# 2016  
 Delta R.T. 0.00 min  
 Lab File: VW004476.D  
 Acq: 06 Aug 2018 18:18

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.6  | 20.8  | 62.2  |
| 148     | 66.8  | 31.8  | 95.4  |

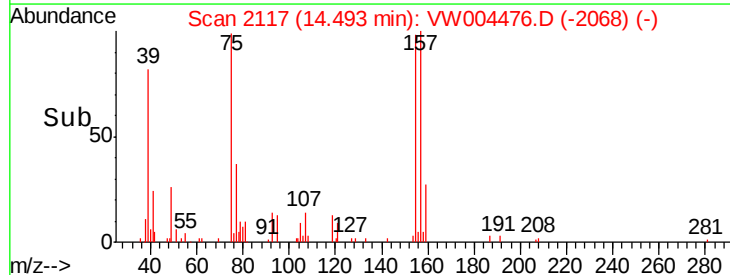
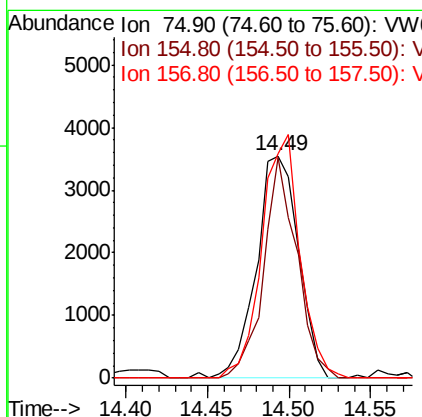
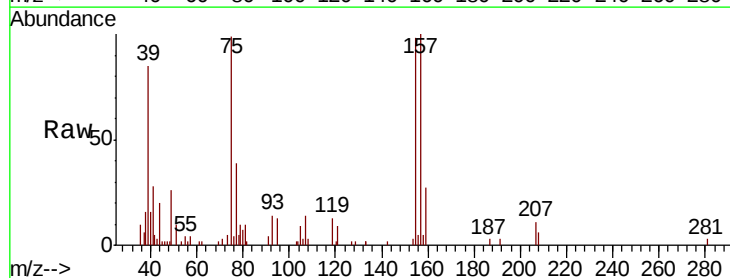
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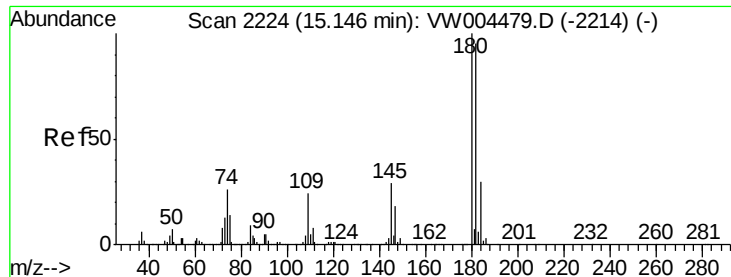
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.13 ug/l  
 RT: 14.49 min Scan# 2117  
 Delta R.T. 0.00 min  
 Lab File: VW004476.D  
 Acq: 06 Aug 2018 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 78.0  | 41.3  | 123.7 |
| 157     | 98.9  | 52.6  | 157.8 |





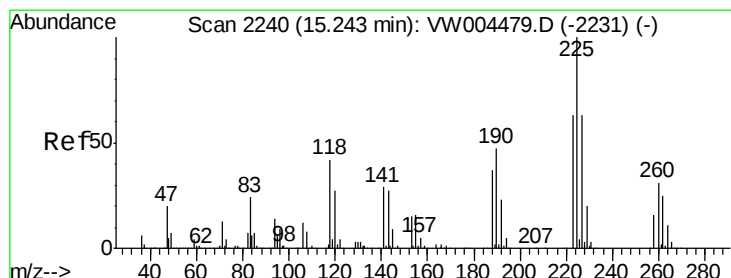
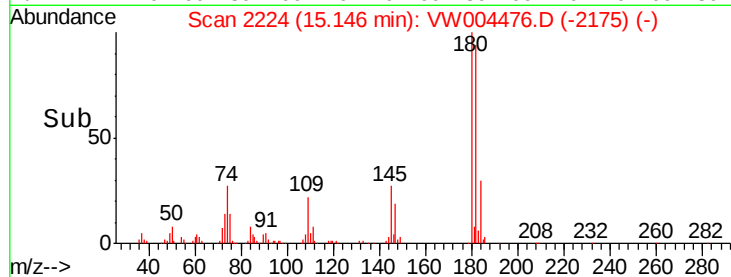
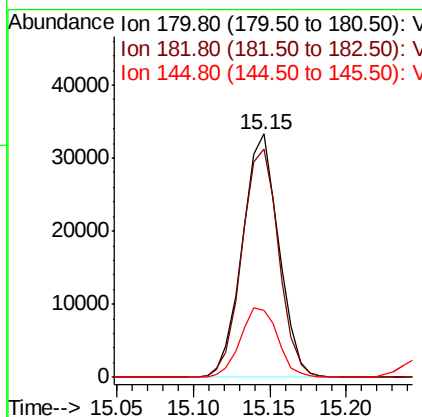
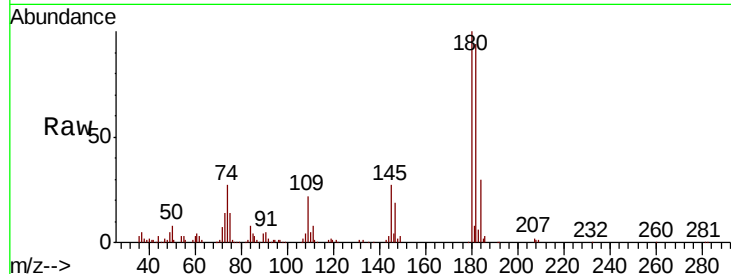
#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.51 ug/l  
 RT: 15.15 min Scan# 2224  
 Delta R.T. 0.00 min  
 Lab File: VW004476.D  
 Acq: 06 Aug 2018 18:18

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 54986 |       |       |
| 182     | 95.3  |       | 47.9  | 143.6 |
| 145     | 29.3  |       | 14.9  | 44.9  |

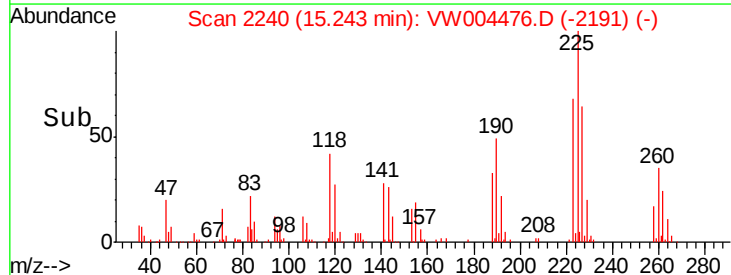
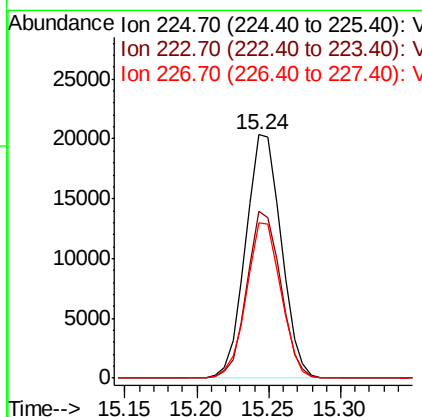
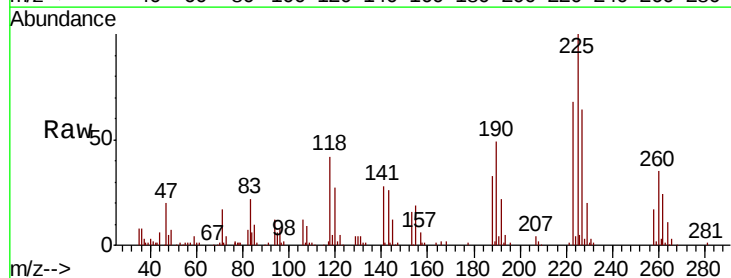
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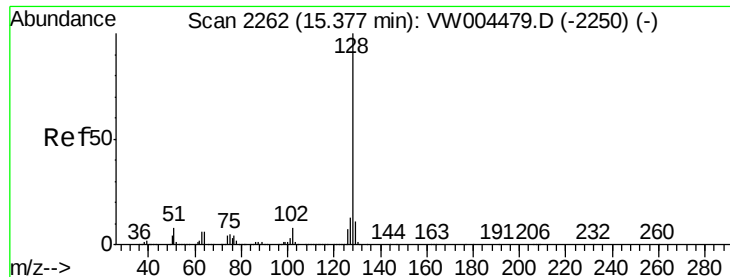
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#94  
 Hexachlorobutadiene  
 Concen: 4.69 ug/l  
 RT: 15.24 min Scan# 2240  
 Delta R.T. 0.00 min  
 Lab File: VW004476.D  
 Acq: 06 Aug 2018 18:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 34777 |       |       |
| 223     | 65.0  |       | 31.3  | 93.8  |
| 227     | 62.0  |       | 31.8  | 95.4  |





#95

Naphthalene

Concen: 4.02 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

Instrument :

MSVOA\_W

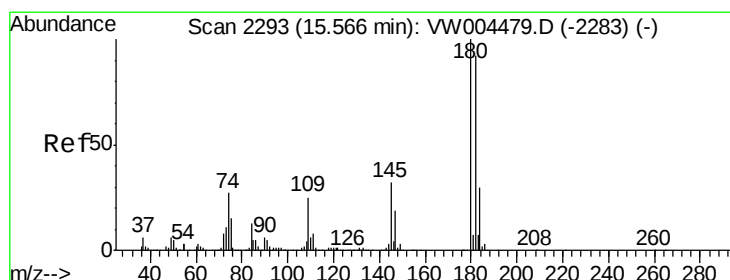
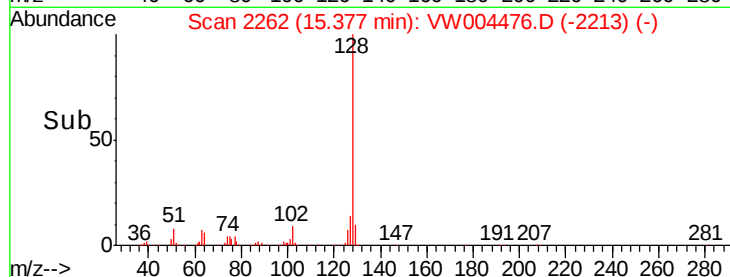
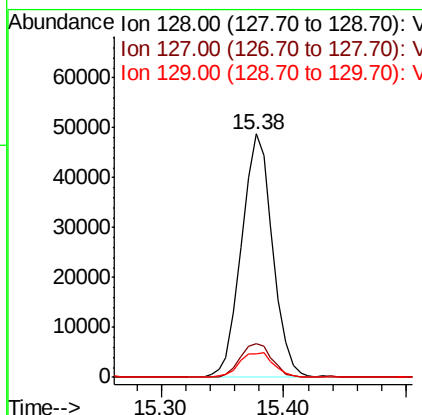
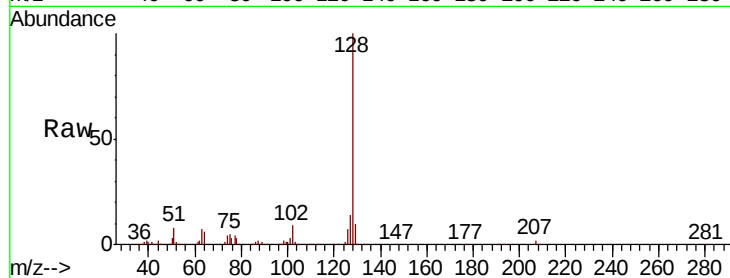
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 85932 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 14.3  | 10.3  | 15.5  |
| 129       | 11.1  | 8.6   | 13.0  |

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#96

1,2,3-Trichlorobenzene

Concen: 4.55 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004476.D

Acq: 06 Aug 2018 18:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 48915 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.2  | 47.0  | 141.2 |
| 145       | 31.7  | 15.9  | 47.6  |

