

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\  
 Data File : VW004312.D  
 Acq On : 29 Jul 2018 13:55  
 Operator : SY/AP  
 Sample : VSTDIC100  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

Manual Integrations  
 APPROVED

apatel  
 7/30/2018 10:32:35 AM

Quant Time: Jul 30 01:50:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W073018S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 30 01:27:22 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 292177   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 440252   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 391530   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 203169   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 296278   | 100.53 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 201.06% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 277705   | 99.81  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 199.62% |      |
| 50) Toluene-d8            | 10.33  | 98  | 1124261  | 102.25 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 204.50% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 398597   | 102.96 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 205.92% |      |

## Target Compounds

|                               |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 105465m | 101.85 | ug/l |        |
| 3) Chloromethane              | 2.21 | 50  | 139773  | 85.28  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.36 | 62  | 231780  | 82.18  | ug/l | 99     |
| 5) Bromomethane               | 2.76 | 94  | 160986  | 86.41  | ug/l | 96     |
| 6) Chloroethane               | 2.92 | 64  | 156886  | 88.61  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 135425  | 80.26  | ug/l | 99     |
| 8) Diethyl Ether              | 3.68 | 74  | 118214  | 79.95  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.05 | 101 | 276332  | 94.44  | ug/l | 99     |
| 10) Methyl Iodide             | 4.26 | 142 | 425914  | 97.30  | ug/l | 99     |
| 11) Tert butyl alcohol        | 5.18 | 59  | 102172  | 472.52 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 283527  | 96.97  | ug/l | 98     |
| 13) Acrolein                  | 3.89 | 56  | 93132   | 485.94 | ug/l | 97     |
| 14) Allyl chloride            | 4.66 | 41  | 490216  | 104.28 | ug/l | 100    |
| 15) Acrylonitrile             | 5.37 | 53  | 341282  | 513.98 | ug/l | 99     |
| 16) Acetone                   | 4.12 | 43  | 335981  | 497.47 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.37 | 76  | 899115  | 99.45  | ug/l | 100    |
| 18) Methyl Acetate            | 4.67 | 43  | 169092  | 97.32  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 536889  | 103.12 | ug/l | 98     |
| 20) Methylene Chloride        | 4.90 | 84  | 282423  | 89.85  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.41 | 96  | 302540  | 97.02  | ug/l | 99     |
| 22) Diisopropyl ether         | 6.31 | 45  | 919647  | 103.95 | ug/l | 98     |
| 23) Vinyl Acetate             | 6.26 | 43  | 2820099 | 549.43 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 544043  | 95.49  | ug/l | 99     |
| 25) 2-Butanone                | 7.17 | 43  | 455190  | 556.09 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 308347  | 93.28  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 323705  | 102.00 | ug/l | 99     |
| 28) Bromochloromethane        | 7.51 | 49  | 190172  | 95.23  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 297125  | 567.26 | ug/l | 100    |
| 30) Chloroform                | 7.68 | 83  | 534726  | 98.25  | ug/l | 100    |
| 31) Cyclohexane               | 7.96 | 56  | 511608  | 101.68 | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 431026  | 96.43  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 444671  | 100.96 | ug/l | 99     |
| 37) Ethyl Acetate             | 7.26 | 43  | 196811  | 109.05 | ug/l | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 423399  | 97.36  | ug/l | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\  
 Data File : VW004312.D  
 Acq On : 29 Jul 2018 13:55  
 Operator : SY/AP  
 Sample : VSTDICC100  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDICC100

Manual Integrations  
 APPROVED

apatel  
 7/30/2018 10:32:35 AM

Quant Time: Jul 30 01:50:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W073018S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 30 01:27:22 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 563871   | 106.25  | ug/l  | 98       |
| 40) Benzene                    | 8.32  | 78   | 1238292  | 99.94   | ug/l  | 99       |
| 41) Methacrylonitrile          | 7.49  | 41   | 124737   | 119.70  | ug/l  | 98       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 348598   | 98.41   | ug/l  | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 376633   | 115.79  | ug/l  | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 326655   | 97.66   | ug/l  | 99       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 314752   | 102.38  | ug/l  | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 157154   | 100.10  | ug/l  | 99       |
| 47) Bromodichloromethane       | 9.65  | 83   | 394731   | 99.13   | ug/l  | 99       |
| 48) Methyl methacrylate        | 9.44  | 41   | 187837   | 113.39  | ug/l  | 99       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 54339    | 2283.21 | ug/l  | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 998409   | 559.28  | ug/l  | 99       |
| 52) Toluene                    | 10.39 | 92   | 783771   | 100.76  | ug/l  | 99       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 418757   | 105.00  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 485153   | 104.35  | ug/l  | 100      |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 223597   | 99.96   | ug/l  | 96       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 306178   | 113.11  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 389809   | 102.29  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 665365   | 553.35  | ug/l  | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 675022   | 550.69  | ug/l  | 98       |
| 60) Dibromochloromethane       | 11.13 | 129  | 266658   | 99.63   | ug/l  | 98       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 215390   | 100.98  | ug/l  | 100      |
| 64) Tetrachloroethene          | 10.87 | 164  | 273700   | 95.42   | ug/l  | 96       |
| 65) Chlorobenzene              | 11.66 | 112  | 822802   | 100.06  | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 282817   | 97.52   | ug/l  | 99       |
| 67) Ethyl Benzene              | 11.74 | 91   | 1484047  | 103.53  | ug/l  | 97       |
| 68) m/p-Xylenes                | 11.84 | 106  | 1125976  | 204.14  | ug/l  | 96       |
| 69) o-Xylene                   | 12.17 | 106  | 542238   | 106.40  | ug/l  | 96       |
| 70) Styrene                    | 12.19 | 104  | 909210   | 105.60  | ug/l  | 98       |
| 71) Bromoform                  | 12.35 | 173  | 165316   | 101.71  | ug/l  | # 100    |
| 73) Isopropylbenzene           | 12.47 | 105  | 1523108  | 108.12  | ug/l  | 98       |
| 74) N-amyl acetate             | 12.28 | 43   | 365791   | 119.83  | ug/l  | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 265480   | 107.58  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 177339m  | 57.27   | ug/l  |          |
| 77) Bromobenzene               | 12.76 | 156  | 342655   | 100.67  | ug/l  | 98       |
| 78) n-propylbenzene            | 12.81 | 91   | 1825570  | 106.37  | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 1029595  | 104.89  | ug/l  | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 1259022  | 103.74  | ug/l  | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 90616    | 113.71  | ug/l  | 96       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 1079132  | 103.89  | ug/l  | 98       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 1059212  | 104.76  | ug/l  | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 1283169  | 103.67  | ug/l  | 98       |
| 85) sec-Butylbenzene           | 13.39 | 105  | 1535092  | 103.94  | ug/l  | 97       |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 1363643  | 102.81  | ug/l  | 98       |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 666337   | 97.80   | ug/l  | 98       |
| 88) 1,4-Dichlorobenzene        | 13.59 | 146  | 675265   | 99.34   | ug/l  | 98       |
| 89) n-Butylbenzene             | 13.84 | 91   | 1286212  | 103.85  | ug/l  | 98       |
| 90) Hexachloroethane           | 14.10 | 117  | 241689   | 102.16  | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 604538   | 99.13   | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 45416    | 105.43  | ug/l  | 95       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\  
Data File : VW004312.D  
Acq On : 29 Jul 2018 13:55  
Operator : SY/AP  
Sample : VSTDICC100  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

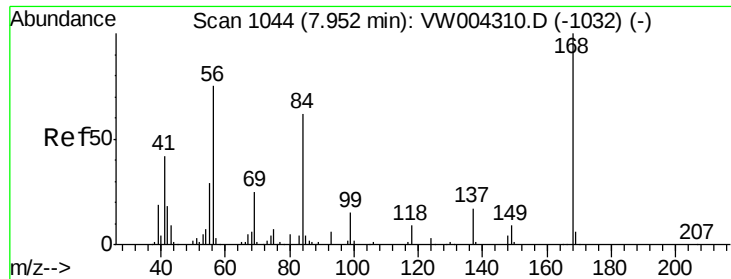
apatel  
7/30/2018 10:32:35 AM

Quant Time: Jul 30 01:50:42 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W073018S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 30 01:27:22 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.15 | 180  | 425556   | 99.38  | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.25 | 225  | 254108   | 97.13  | ug/l  | 97       |
| 95) Naphthalene            | 15.38 | 128  | 811446   | 110.15 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 376612   | 100.51 | ug/l  | 100      |

(#) = 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: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 292177

Ion Ratio Lower Upper

168 100

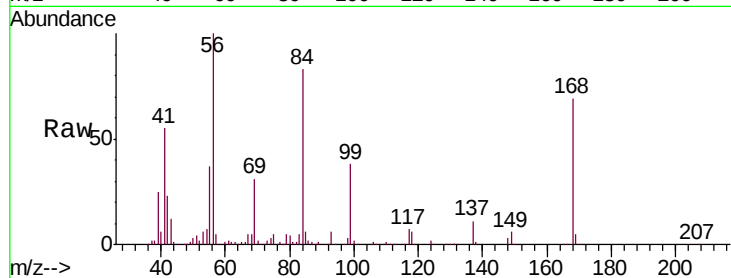
99 54.6 45.0 67.4

Manual Integrations

APPROVED

apatel

7/30/2018 10:32:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

100000

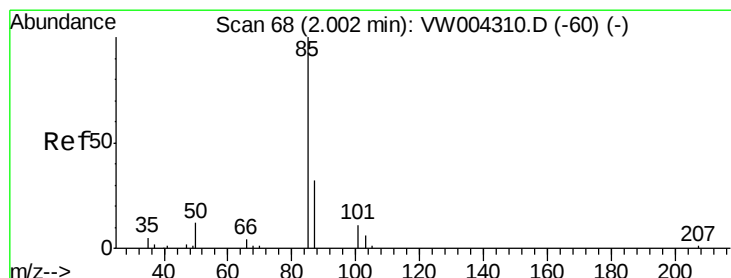
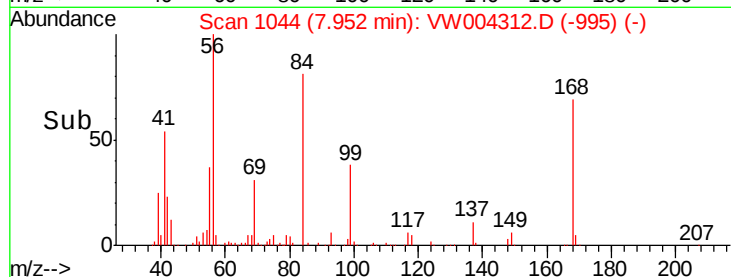
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 101.85 ug/l m

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004312.D

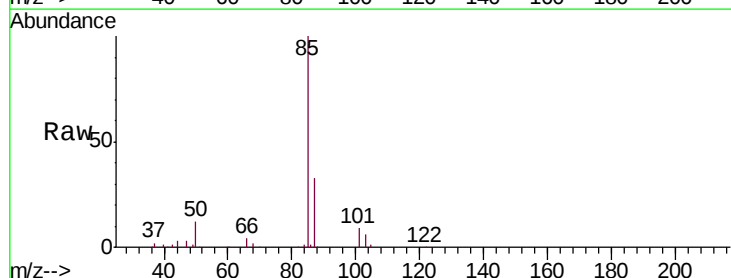
Acq: 29 Jul 2018 13:55

Tgt Ion: 85 Resp: 105465

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

20000

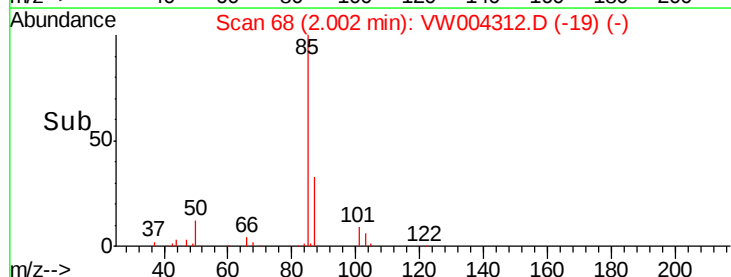
10000

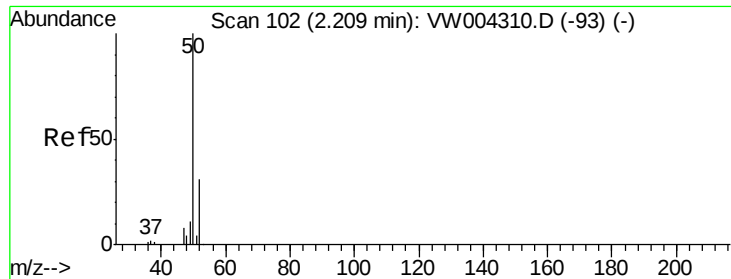
0

2.00

2.20

Time-->





#3

Chloromethane

Concen: 85.28 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC100

Tot Ion: 50 Resp: 139773

Ion Ratio Lower Upper

50 100

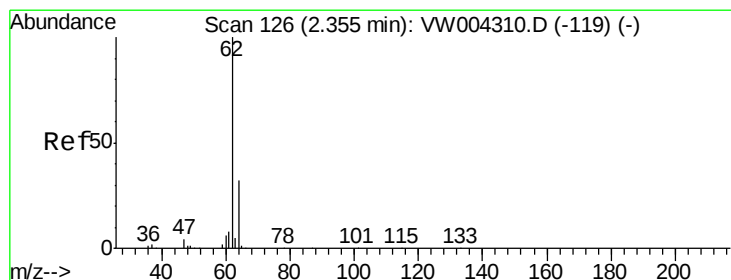
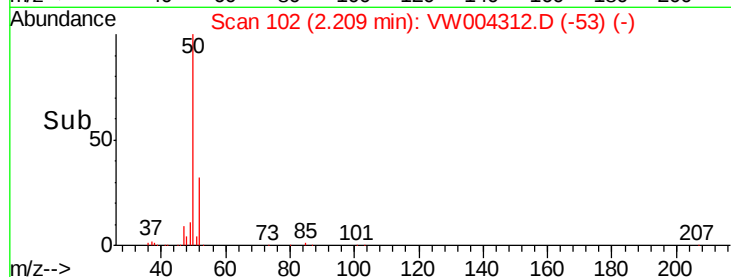
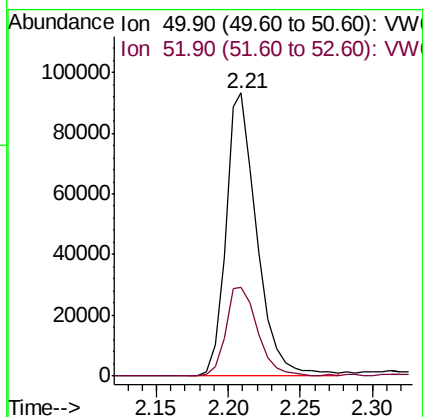
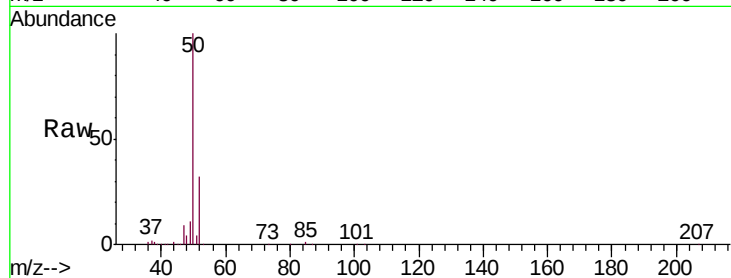
52 31.5 24.8 37.2

Manual Integrations

APPROVED

apatel

7/30/2018 10:32:35 AM



#4

Vinyl Chloride

Concen: 82.18 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW004312.D

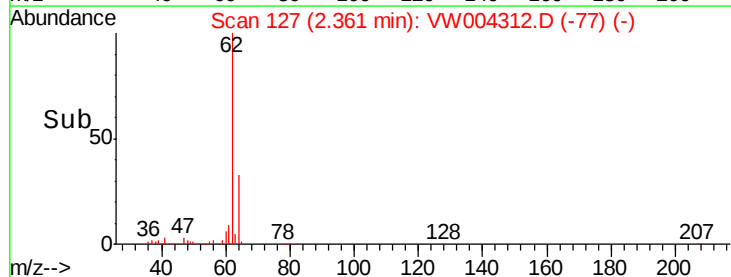
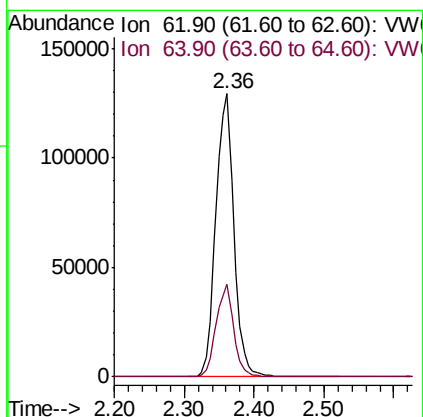
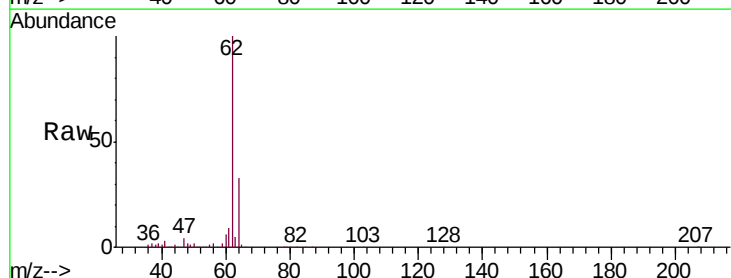
Acq: 29 Jul 2018 13:55

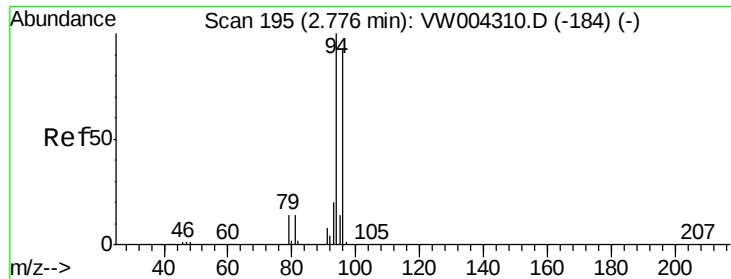
Tgt Ion: 62 Resp: 231780

Ion Ratio Lower Upper

62 100

64 32.8 25.9 38.9





#5

Bromomethane

Concen: 86.41 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 160986

Ion Ratio Lower Upper

94 100

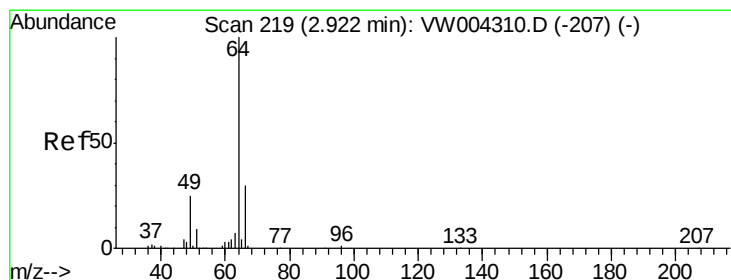
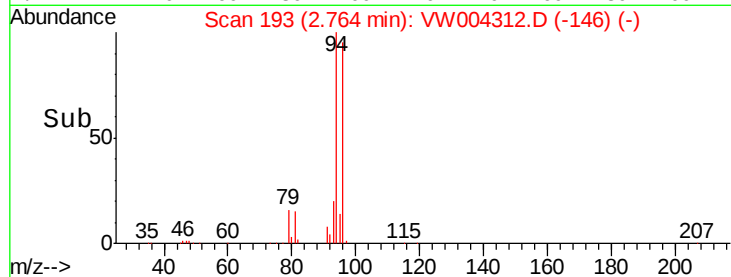
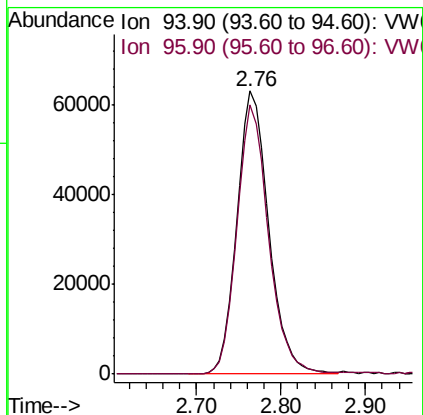
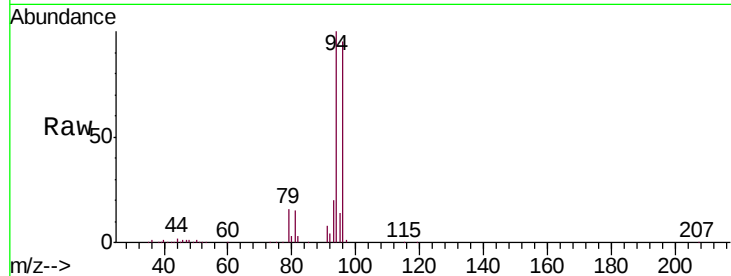
96 95.1 73.3 109.9

Manual Integrations

APPROVED

apatel

7/30/2018 10:32:35 AM



#6

Chloroethane

Concen: 88.61 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW004312.D

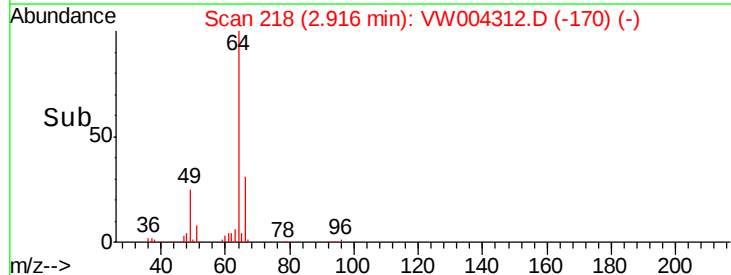
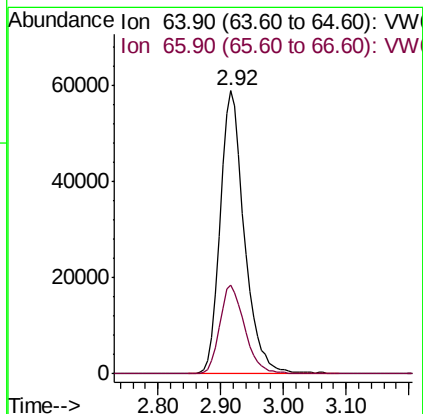
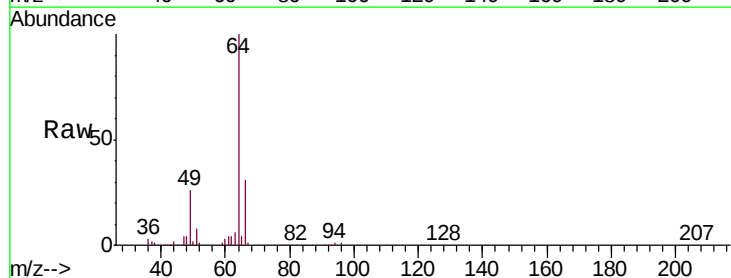
Acq: 29 Jul 2018 13:55

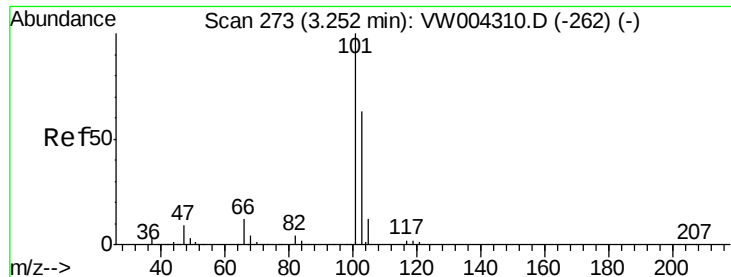
Tgt Ion: 64 Resp: 156886

Ion Ratio Lower Upper

64 100

66 31.3 23.7 35.5





#7

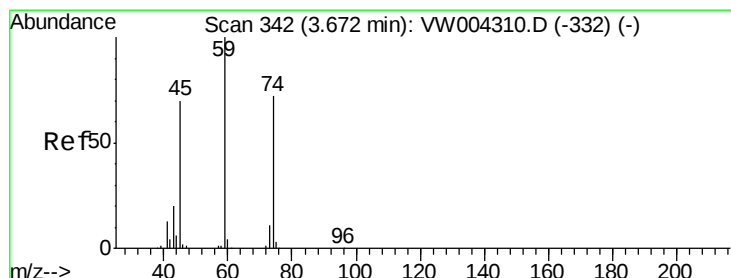
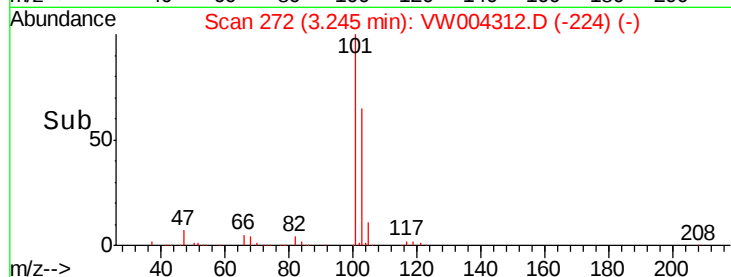
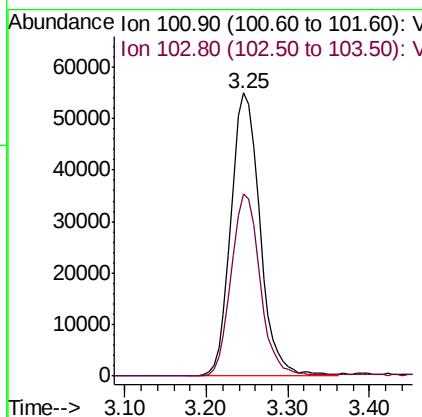
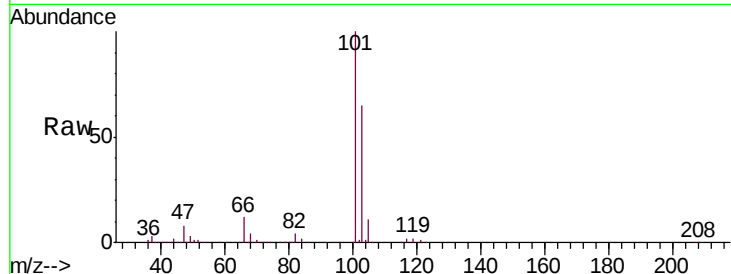
Trichlorofluoromethane  
 Concen: 80.26 ug/l  
 RT: 3.25 min Scan# 272  
 Delta R.T. -0.01 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 135425 |       |       |
| 103     | 64.5  | 50.8   | 76.2  |       |

Manual Integrations  
 APPROVED

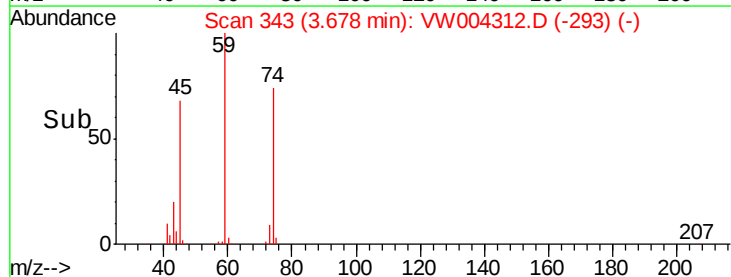
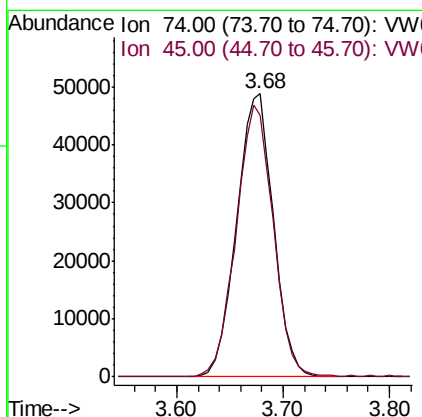
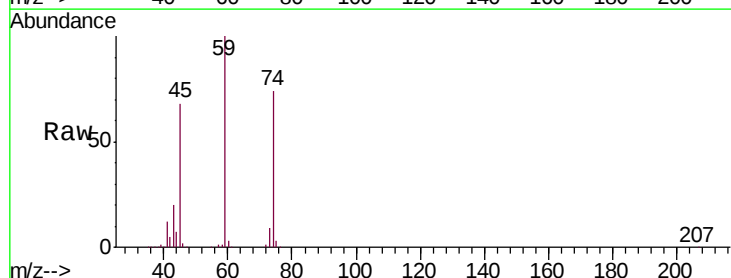
apatel  
 7/30/2018 10:32:35 AM

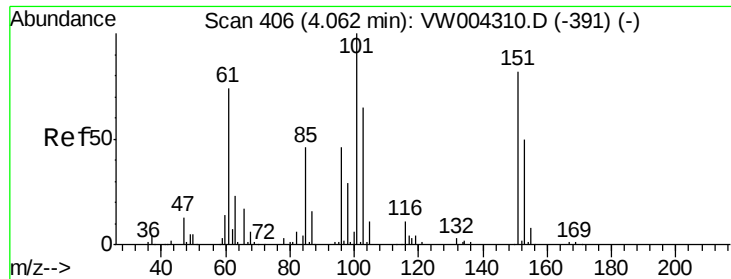


#8

Diethyl Ether  
 Concen: 79.95 ug/l  
 RT: 3.68 min Scan# 343  
 Delta R.T. 0.01 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 74      | 100   | 118214 |       |       |
| 45      | 96.2  | 49.4   | 148.0 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.44 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

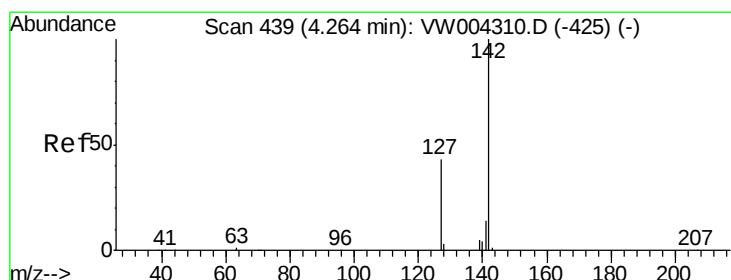
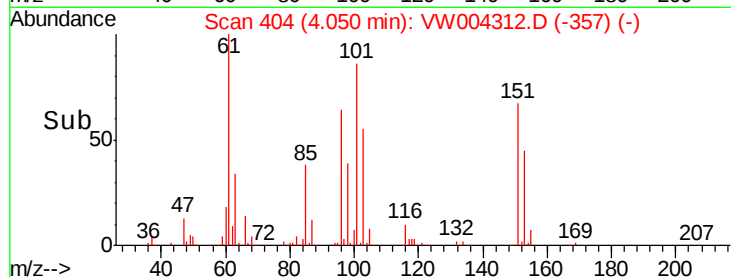
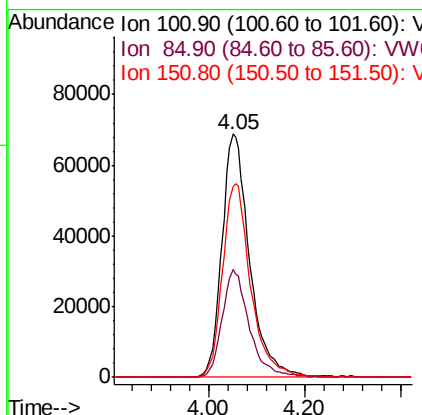
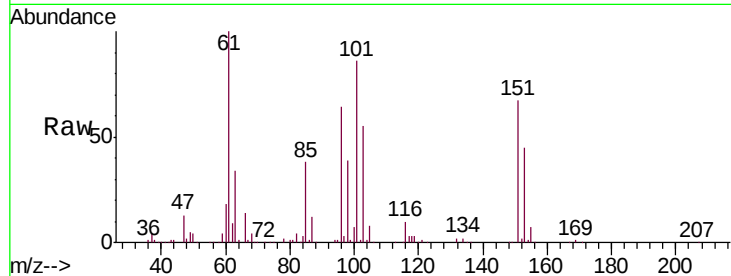
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 276332 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.0  | 35.5  | 53.3   |
| 151       | 80.7  | 64.6  | 97.0   |

Manual Integrations  
APPROVED

apatel  
7/30/2018 10:32:35 AM



#10

Methyl Iodide

Concen: 97.30 ug/l

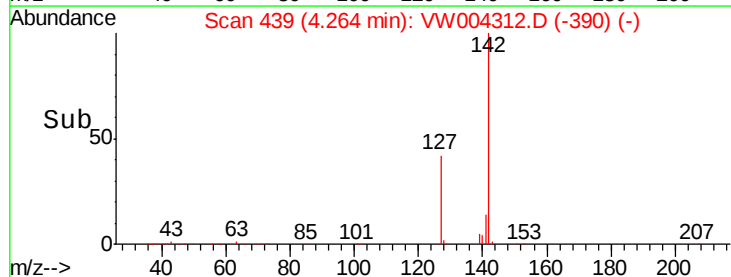
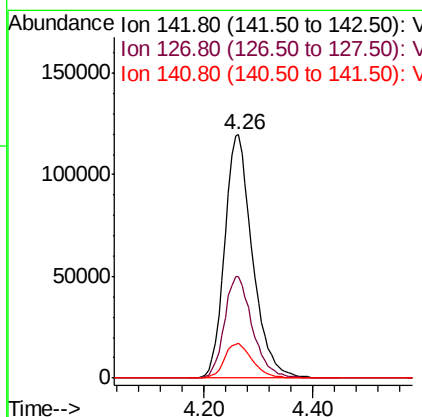
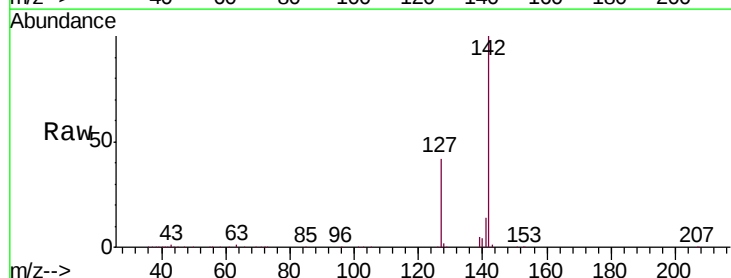
RT: 4.26 min Scan# 439

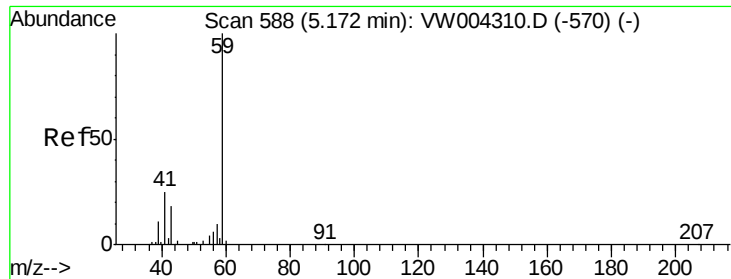
Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 425914 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.3  | 34.6  | 52.0   |
| 141       | 14.4  | 11.5  | 17.3   |





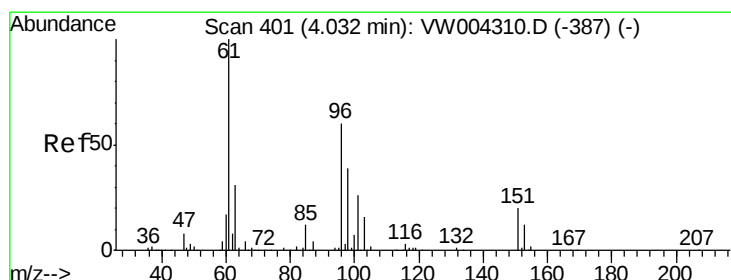
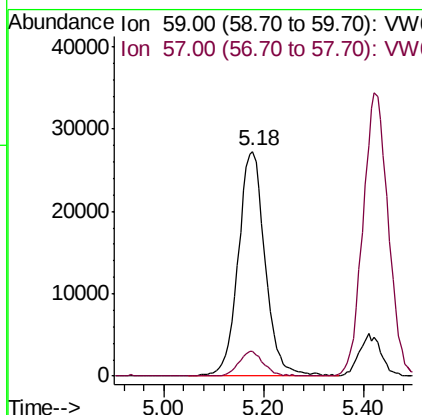
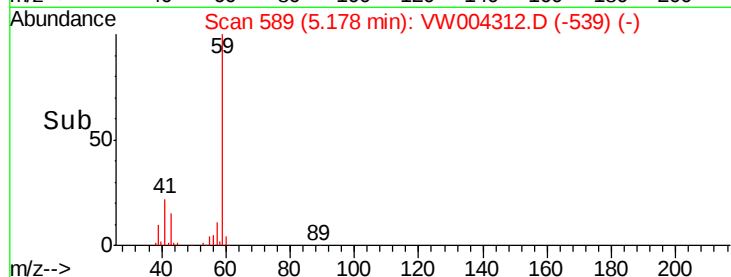
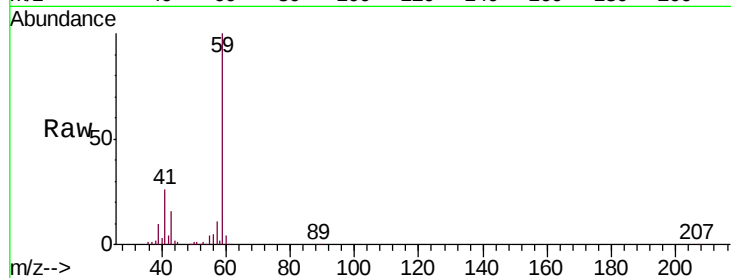
#11  
Tert butyl alcohol  
Concen: 472.52 ug/l  
RT: 5.18 min Scan# 589  
Delta R.T. 0.01 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

Tot Ion: 59 Resp: 102172  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.4 12.6

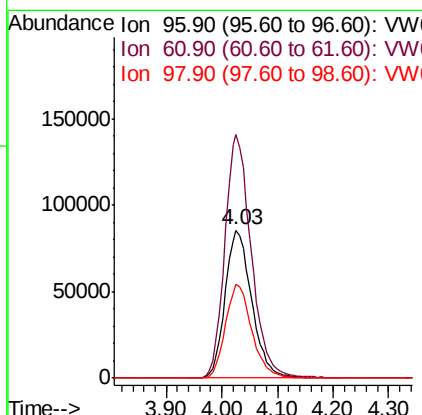
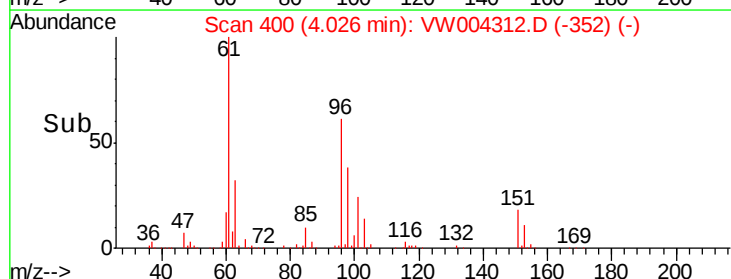
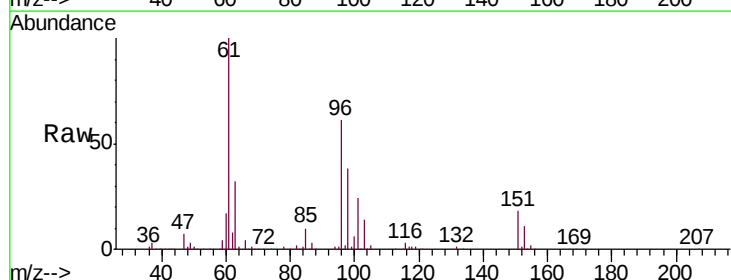
Manual Integrations  
APPROVED

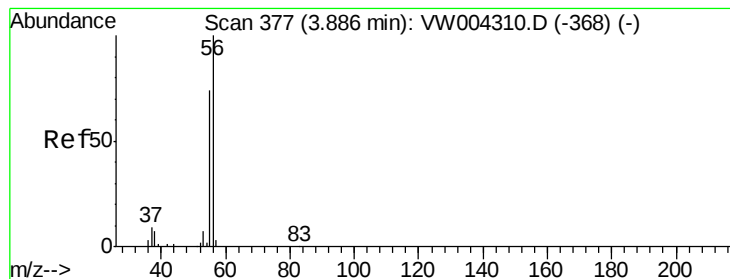
apatel  
7/30/2018 10:32:35 AM



#12  
1,1-Dichloroethene  
Concen: 96.97 ug/l  
RT: 4.03 min Scan# 400  
Delta R.T. -0.01 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Tgt Ion: 96 Resp: 283527  
Ion Ratio Lower Upper  
96 100  
61 164.3 133.4 200.0  
98 63.1 51.9 77.9





#13

Acrolein

Concen: 485.94 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 93132

Ion Ratio Lower Upper

56 100

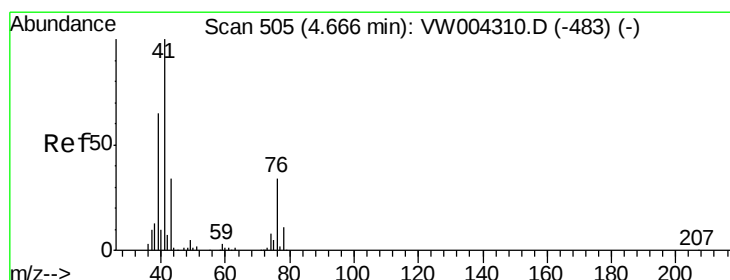
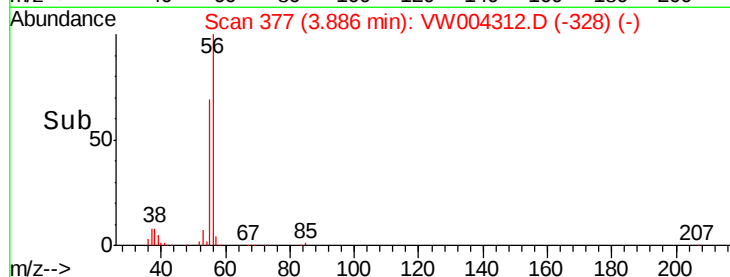
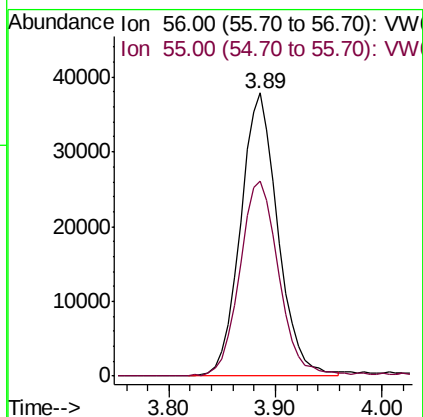
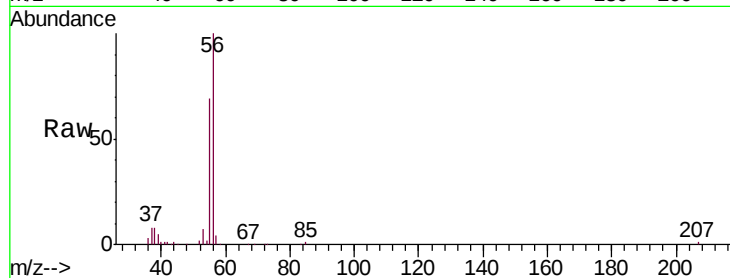
55 71.4 59.4 89.2

Manual Integrations

APPROVED

apatel

7/30/2018 10:32:35 AM



#14

Allyl chloride

Concen: 104.28 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.01 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

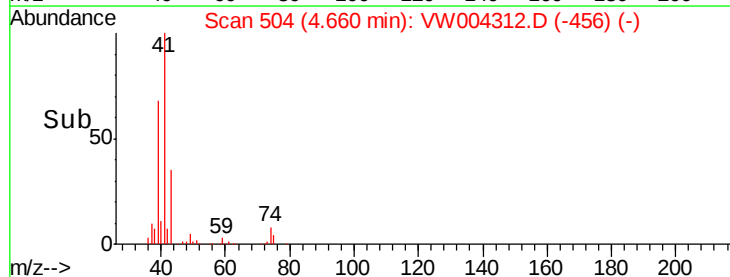
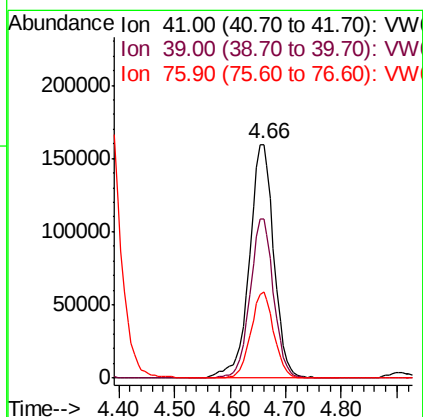
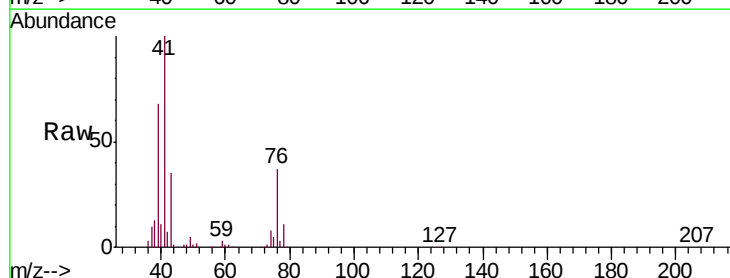
Tgt Ion: 41 Resp: 490216

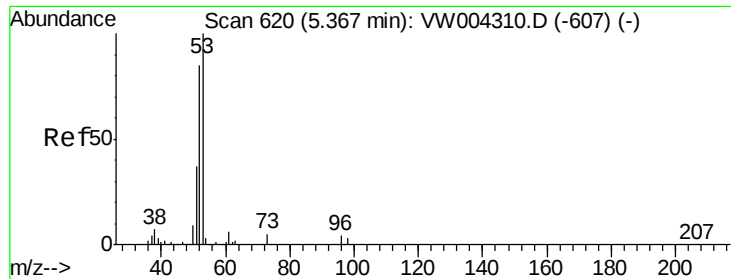
Ion Ratio Lower Upper

41 100

39 65.4 52.3 78.5

76 34.2 27.3 40.9





#15

Acrylonitrile

Concen: 513.98 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

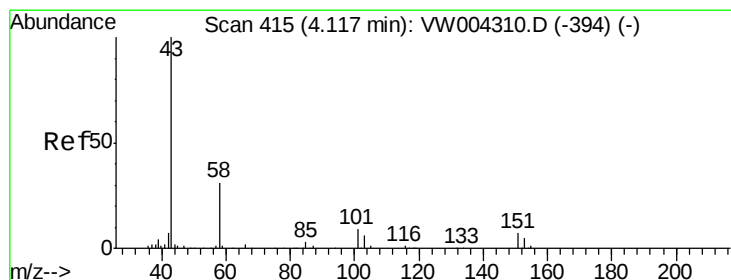
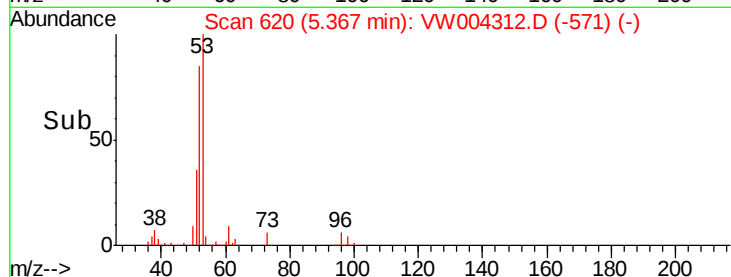
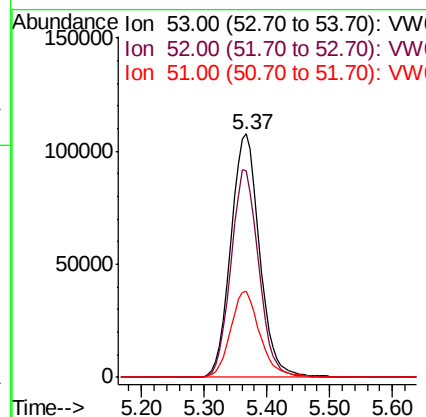
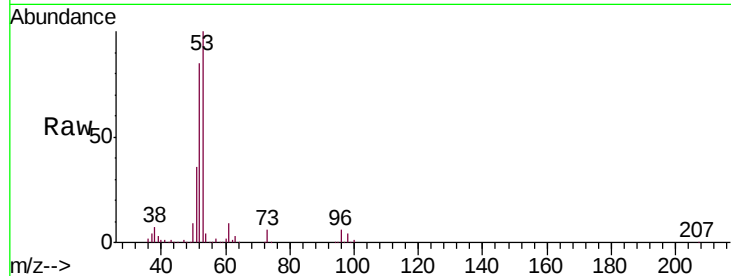
ClientSampled :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 341282 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.6  | 65.7  | 98.5   |
| 51        | 36.3  | 29.2  | 43.8   |

Manual Integrations  
APPROVED

apatel  
7/30/2018 10:32:35 AM



#16

Acetone

Concen: 497.47 ug/l

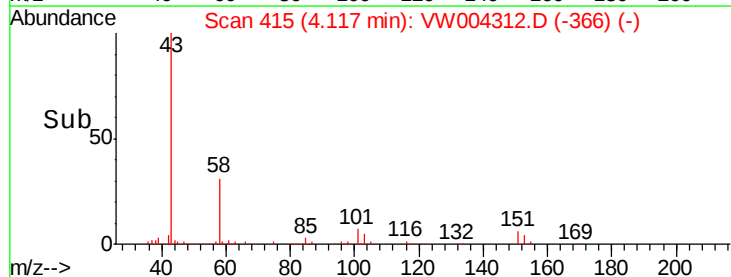
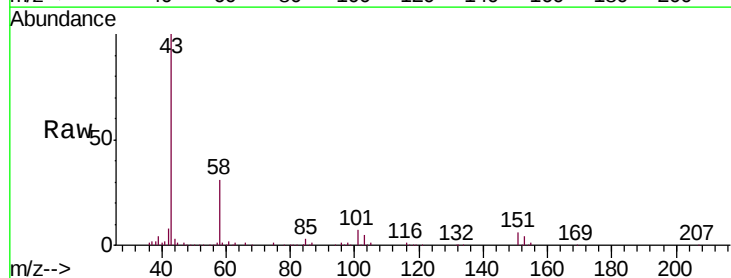
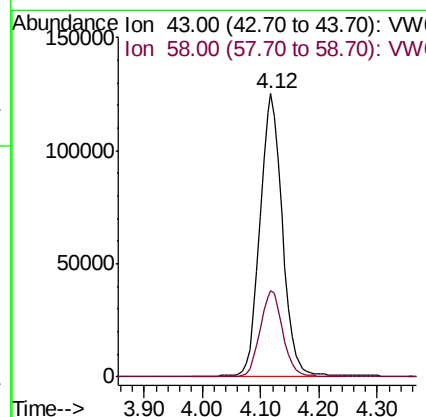
RT: 4.12 min Scan# 415

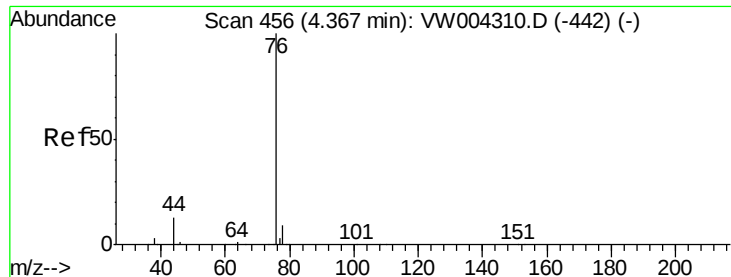
Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 335981 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 30.5  | 24.8  | 37.2   |





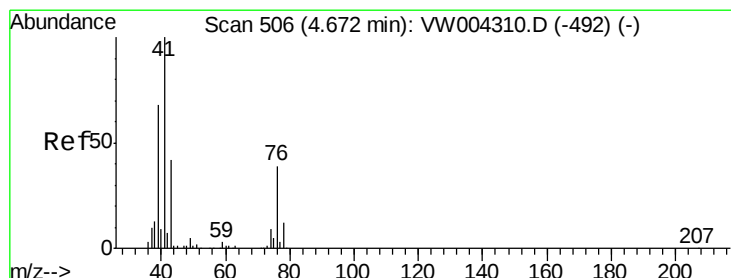
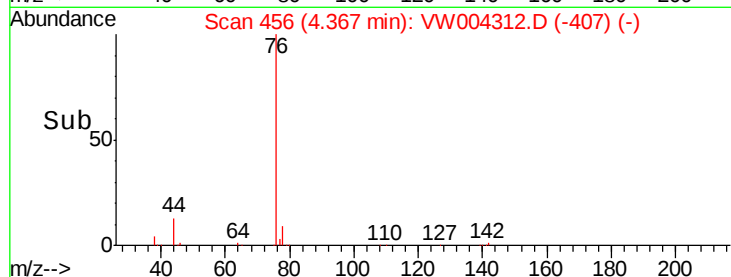
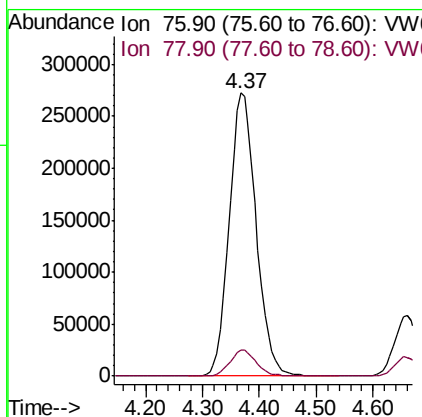
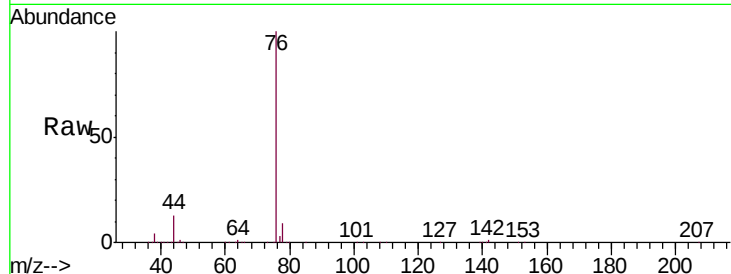
#17  
Carbon Disulfide  
Concen: 99.45 ug/l  
RT: 4.37 min Scan# 456  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.4   | 11.0  |

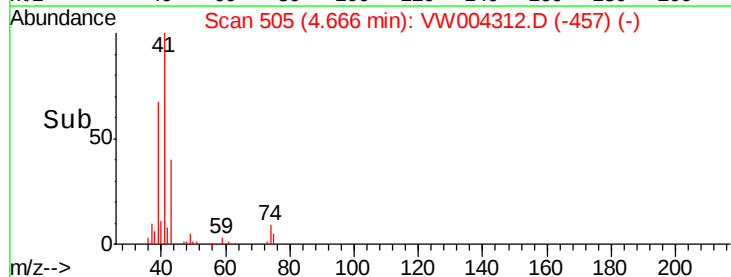
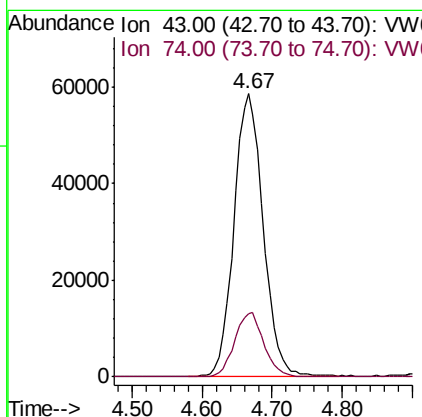
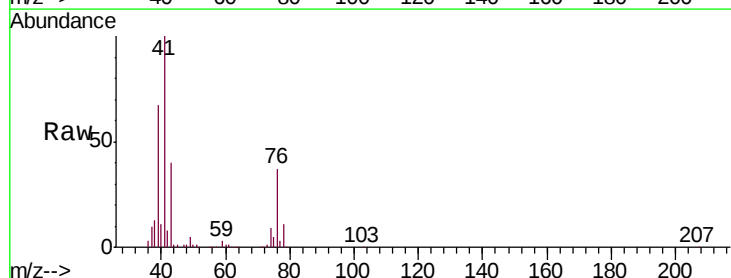
Manual Integrations  
APPROVED

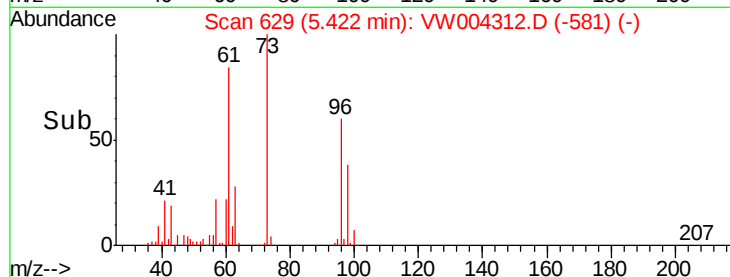
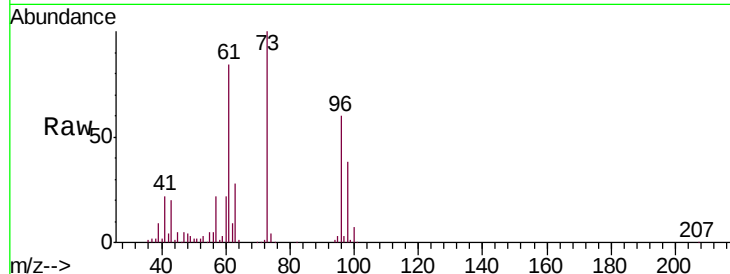
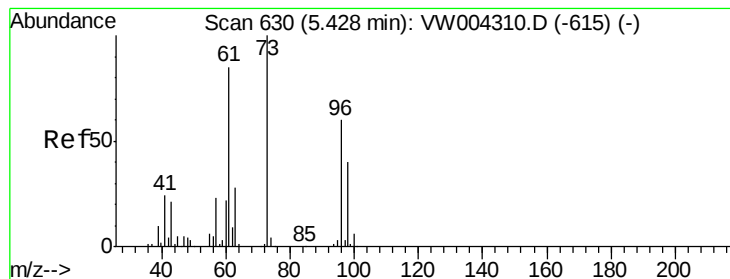
apatel  
7/30/2018 10:32:35 AM



#18  
Methyl Acetate  
Concen: 97.32 ug/l  
RT: 4.67 min Scan# 505  
Delta R.T. -0.01 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.8  | 17.8  | 26.6  |





#19

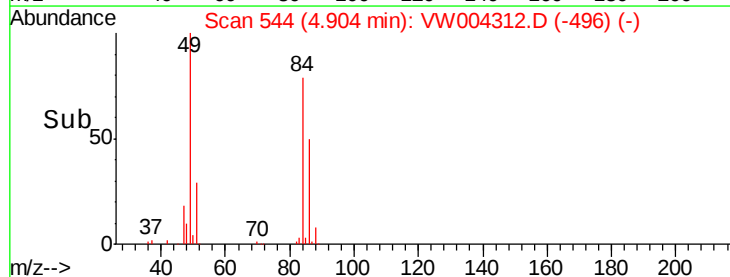
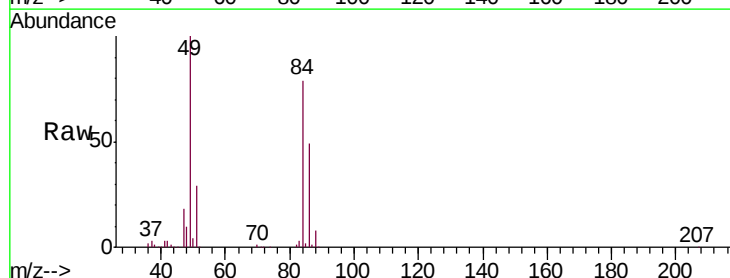
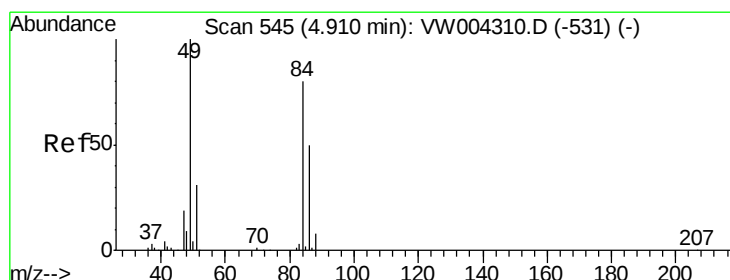
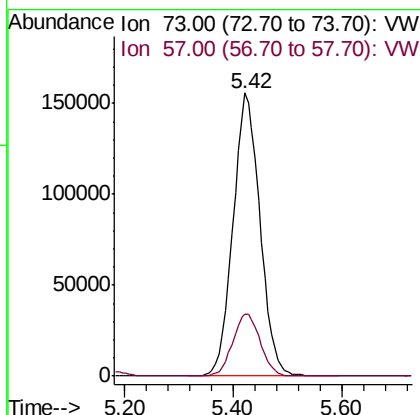
Methyl tert-butyl Ether  
Concen: 103.12 ug/l  
RT: 5.42 min Scan# 629  
Delta R.T. -0.01 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.1  | 18.4  | 27.6  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

Manual Integrations  
APPROVED

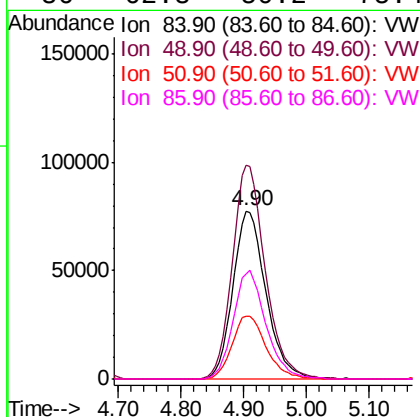
apatel  
7/30/2018 10:32:35 AM

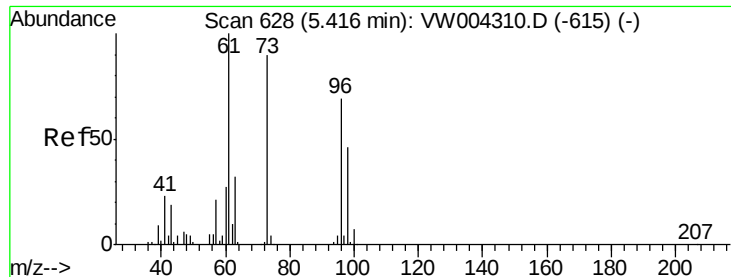


#20

Methylene Chloride  
Concen: 89.85 ug/l  
RT: 4.90 min Scan# 544  
Delta R.T. -0.01 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 127.3 | 100.5 | 150.7 |
| 51      | 37.4  | 30.9  | 46.3  |
| 86      | 62.8  | 50.2  | 75.4  |





#21

trans-1,2-Dichloroethene

Concen: 97.02 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.01 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

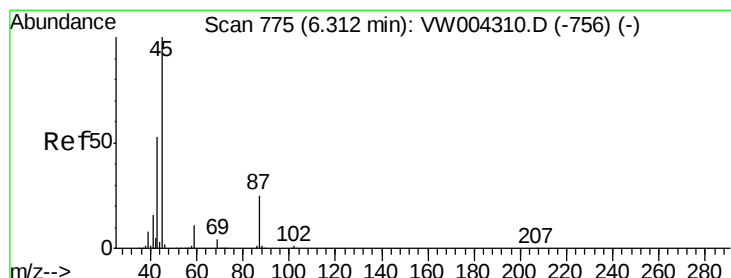
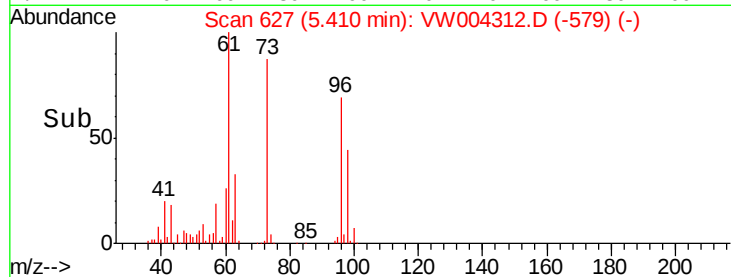
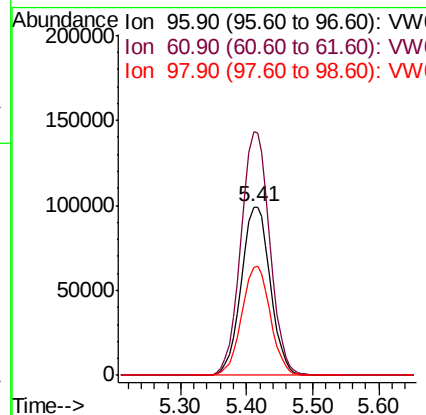
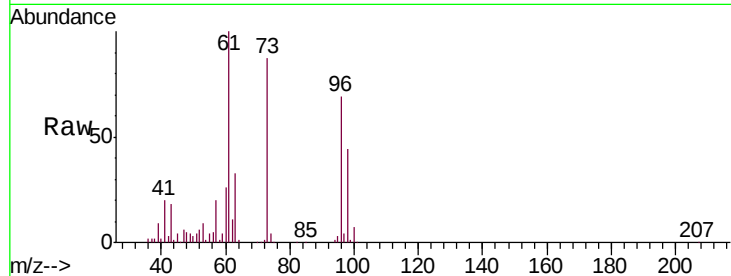
ClientSampled :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 302540 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 144.7 | 116.2 | 174.2  |
| 98        | 63.8  | 52.9  | 79.3   |

Manual Integrations  
APPROVED

apatel  
7/30/2018 10:32:35 AM



#22

Diisopropyl ether

Concen: 103.95 ug/l

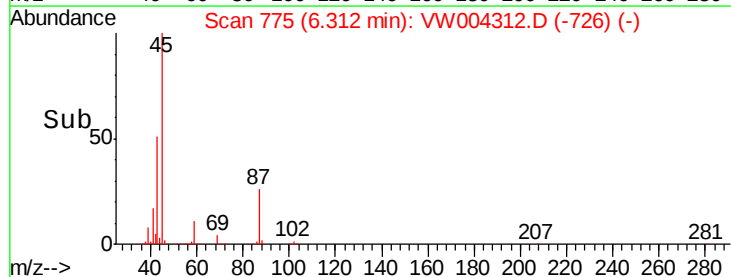
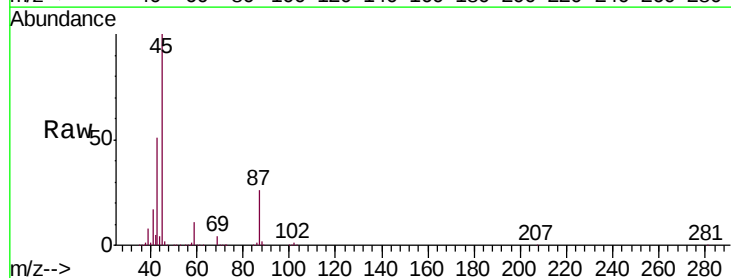
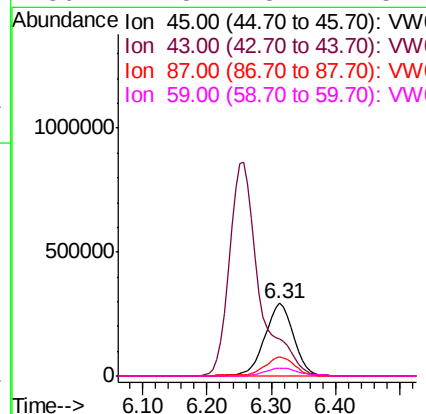
RT: 6.31 min Scan# 775

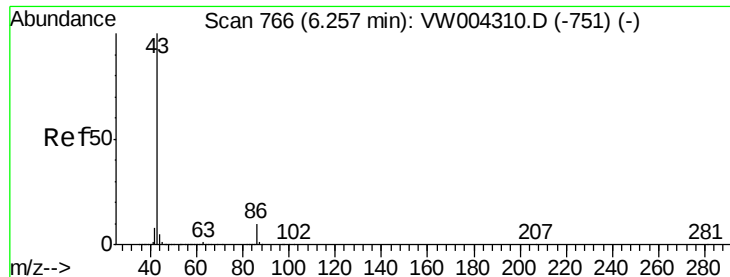
Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 919647 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 43        | 51.3  | 42.3  | 63.5   |
| 87        | 26.3  | 19.9  | 29.9   |
| 59        | 11.3  | 8.7   | 13.1   |





#23

Vinyl Acetate

Concen: 549.43 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 2820099

Ion Ratio Lower Upper

43 100

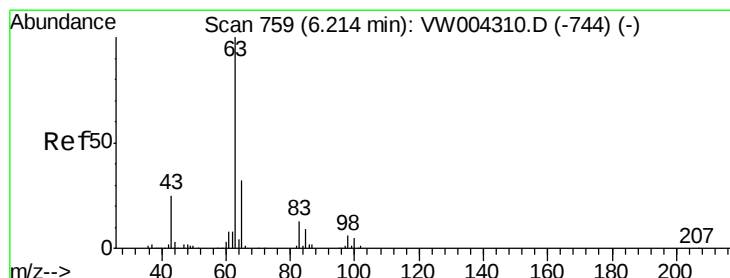
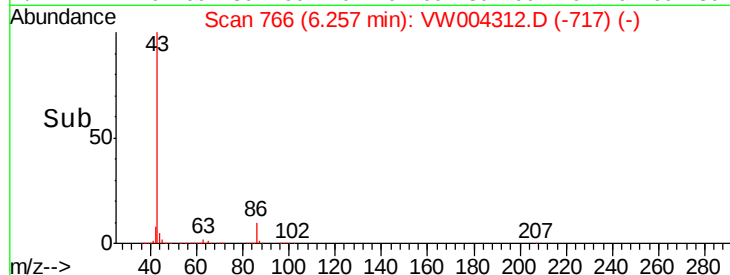
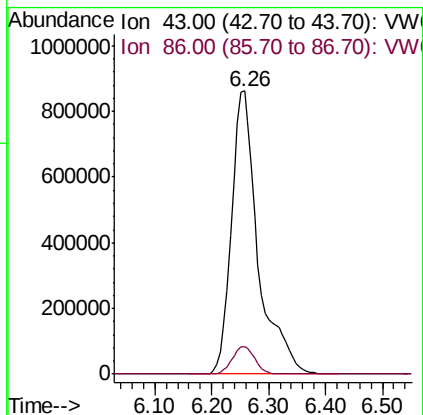
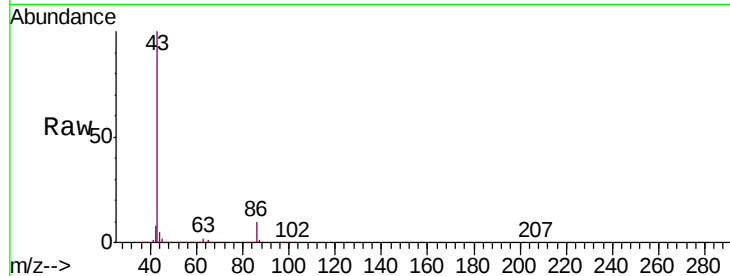
86 9.8 7.7 11.5

Manual Integrations

APPROVED

apatel

7/30/2018 10:32:35 AM



#24

1,1-Dichloroethane

Concen: 95.49 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

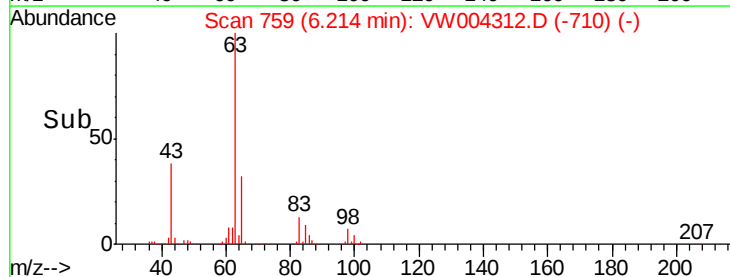
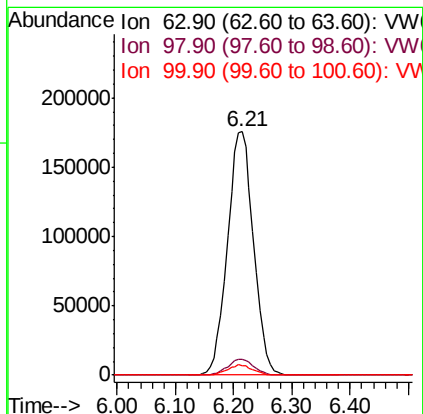
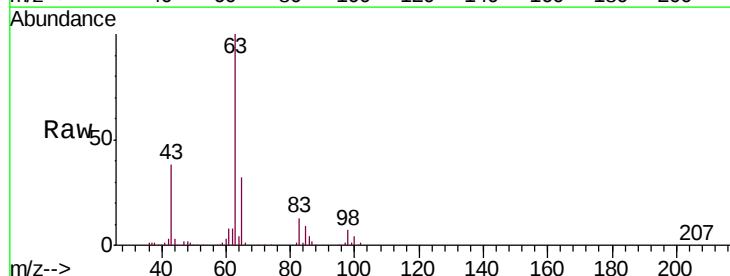
Tgt Ion: 63 Resp: 544043

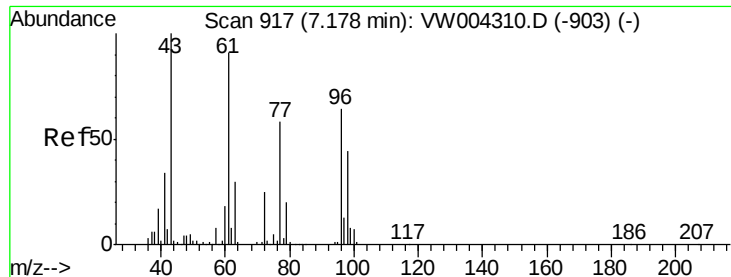
Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

100 4.0 2.3 6.9





#25

2-Butanone

Concen: 556.09 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 455190

Ion Ratio Lower Upper

43 100

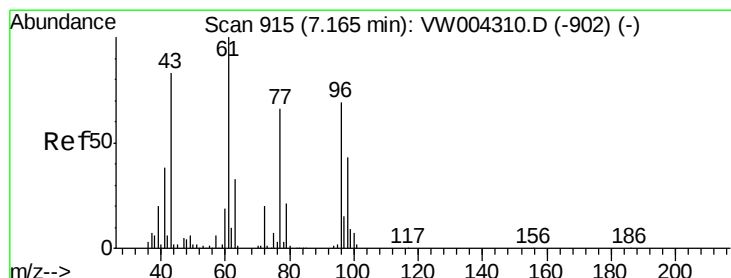
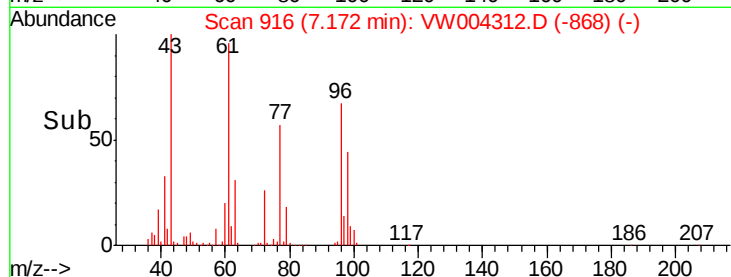
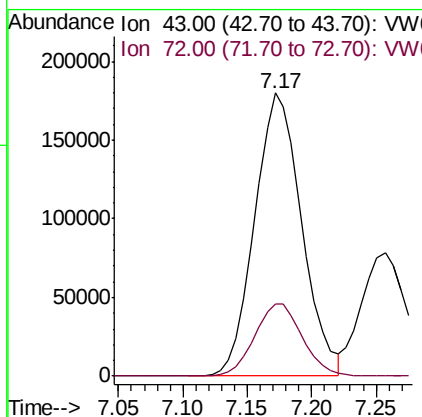
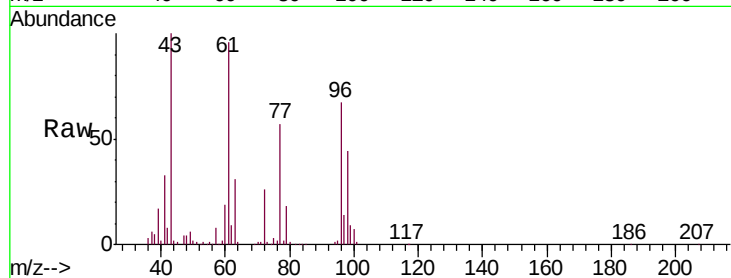
72 25.7 20.3 30.5

Manual Integrations

APPROVED

apatel

7/30/2018 10:32:35 AM



#26

2,2-Dichloropropane

Concen: 93.28 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004312.D

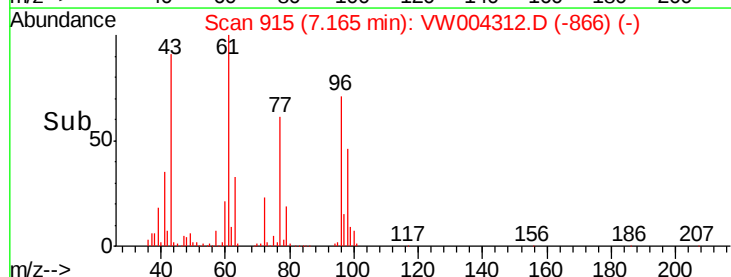
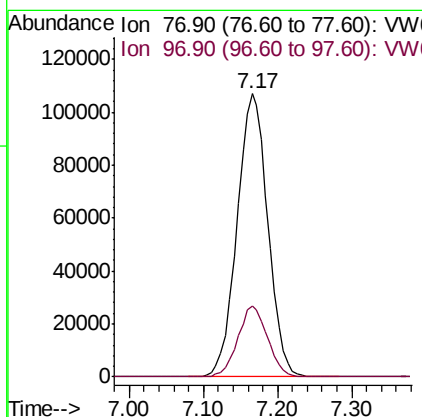
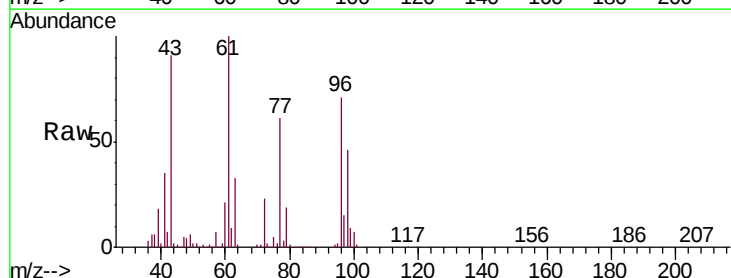
Acq: 29 Jul 2018 13:55

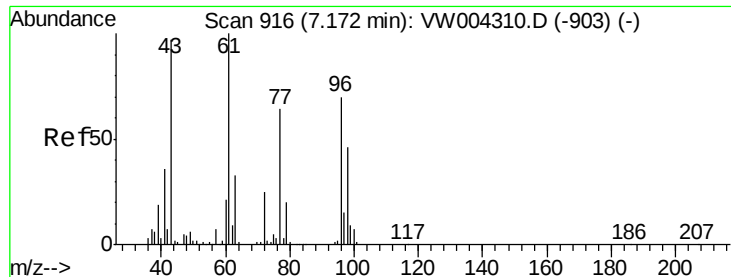
Tgt Ion: 77 Resp: 308347

Ion Ratio Lower Upper

77 100

97 24.3 11.7 35.1





#27

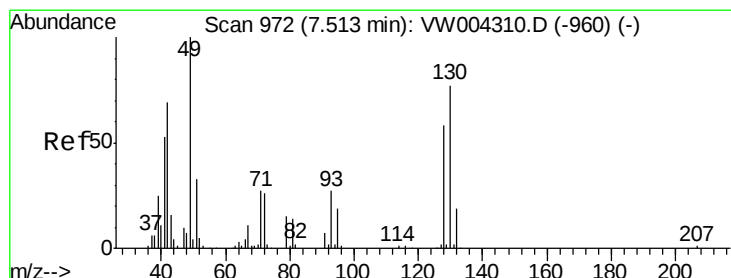
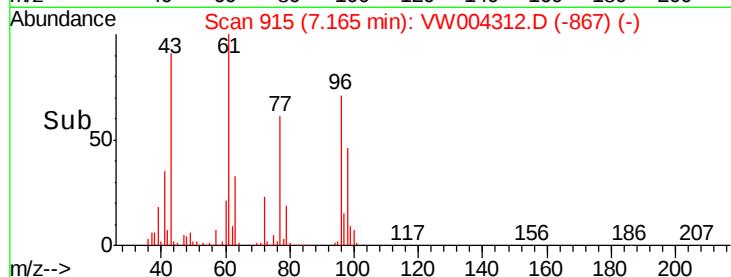
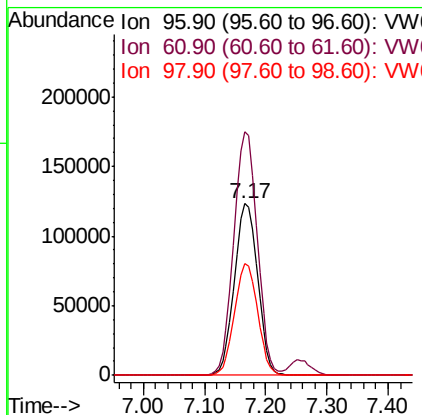
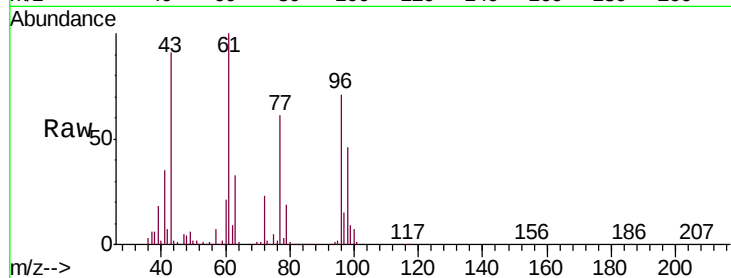
cis-1,2-Dichloroethene  
Concen: 102.00 ug/l  
RT: 7.17 min Scan# 915  
Delta R.T. -0.01 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 323705 |       |       |
| 61      | 143.5 | 0.0    | 292.0 |       |
| 98      | 64.5  | 0.0    | 129.6 |       |

Manual Integrations  
APPROVED

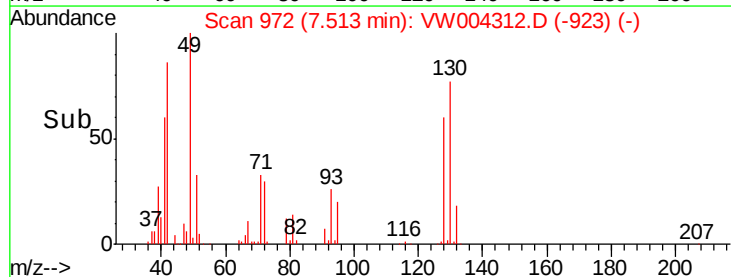
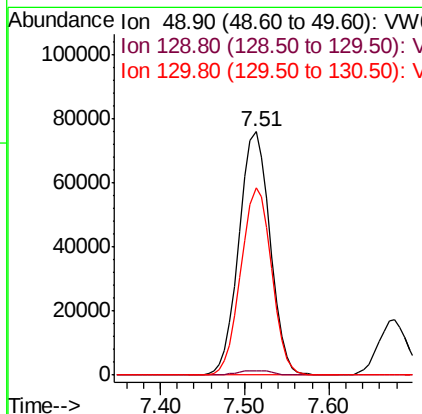
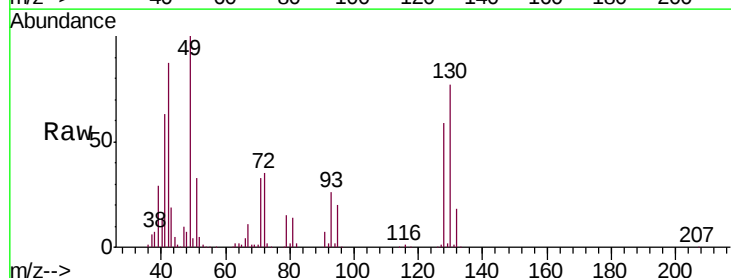
apatel  
7/30/2018 10:32:35 AM

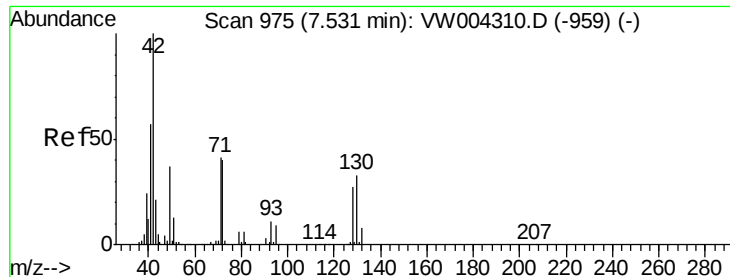


#28

Bromochloromethane  
Concen: 95.23 ug/l  
RT: 7.51 min Scan# 972  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 190172 |       |       |
| 129     | 2.1   | 0.0    | 4.6   |       |
| 130     | 76.1  | 61.5   | 92.3  |       |





#29

Tetrahydrofuran

Concen: 567.26 ug/l

RT: 7.53 min Scan# 975

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

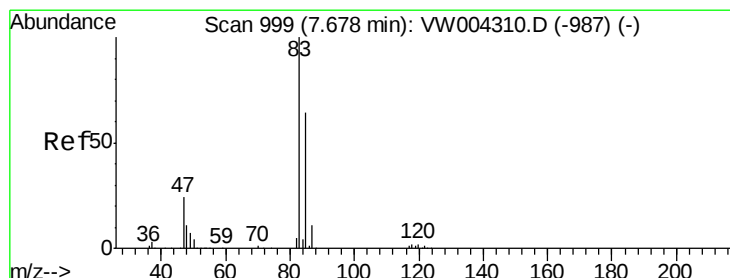
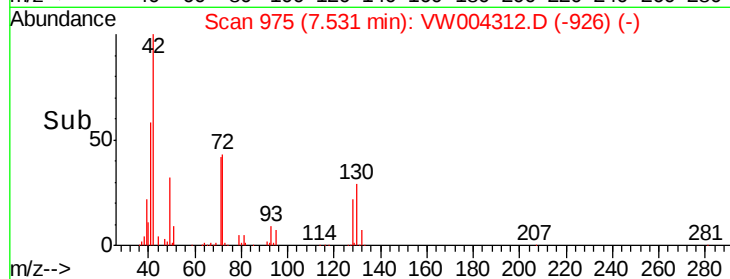
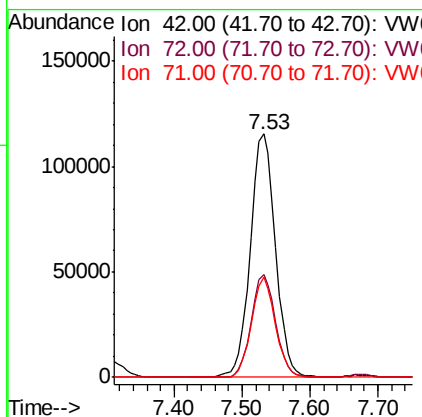
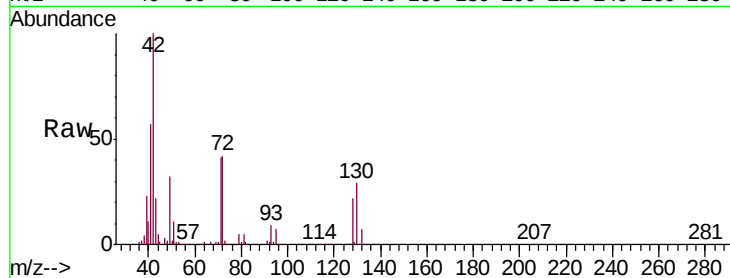
ClientSampleId :

VSTDIC100

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 42   | Resp: | 297125 |
| Ion Ratio |      | Lower | Upper  |
| 42        | 100  |       |        |
| 72        | 41.3 | 32.6  | 48.8   |
| 71        | 39.1 | 31.3  | 46.9   |

Manual Integrations  
APPROVED

apatel  
7/30/2018 10:32:35 AM



#30

Chloroform

Concen: 98.25 ug/l

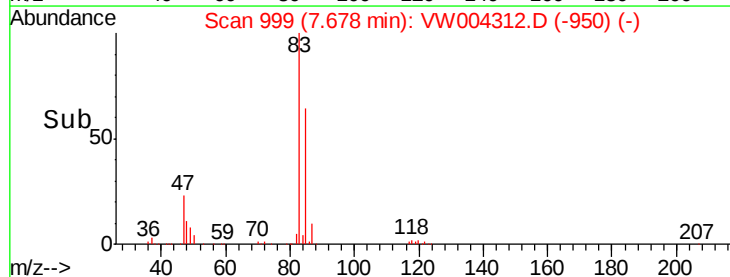
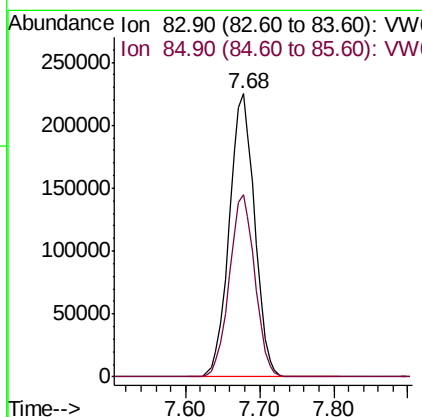
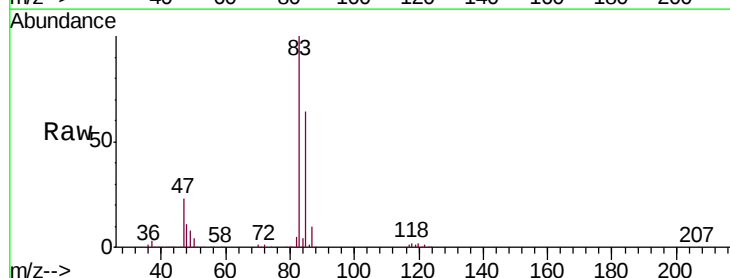
RT: 7.68 min Scan# 999

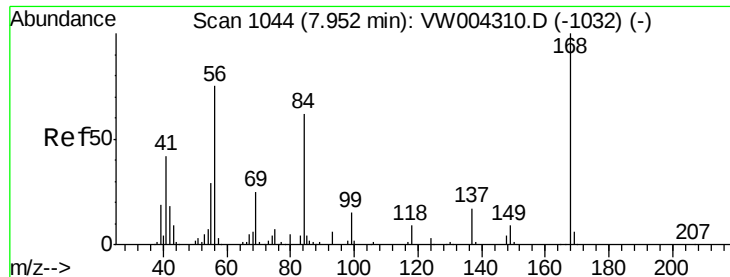
Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 83   | Resp: | 534726 |
| Ion Ratio |      | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 64.3 | 51.5  | 77.3   |





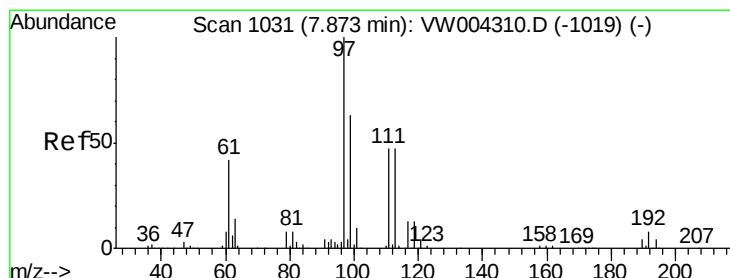
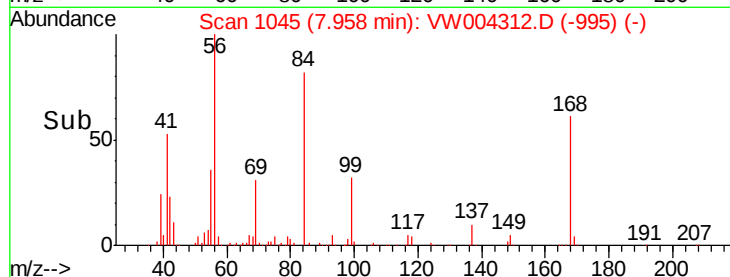
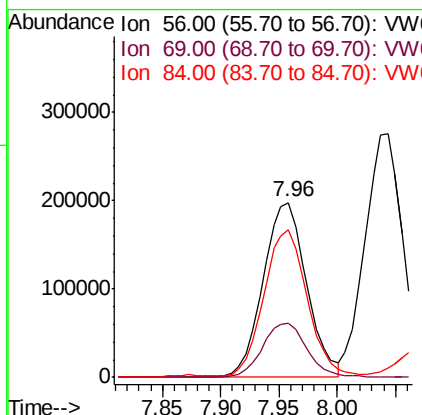
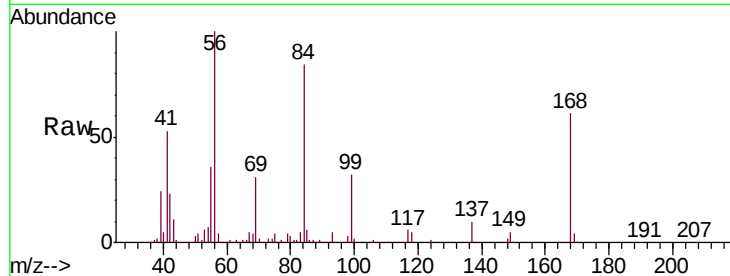
#31  
Cyclohexane  
Concen: 101.68 ug/l  
RT: 7.96 min Scan# 1045  
Delta R.T. 0.01 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.9  | 26.3  | 39.5  |
| 84      | 82.8  | 66.2  | 99.4  |

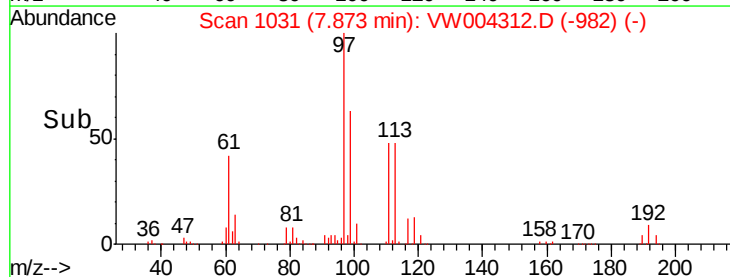
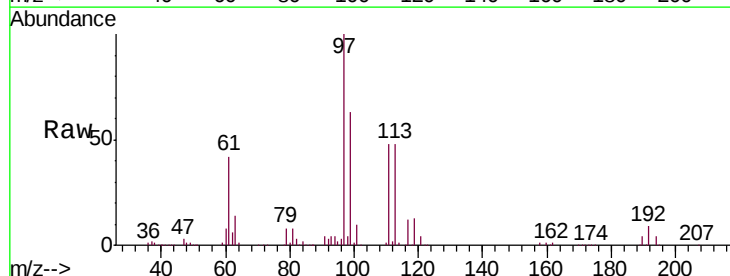
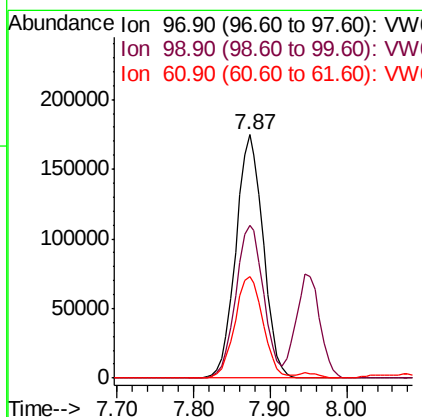
Manual Integrations  
APPROVED

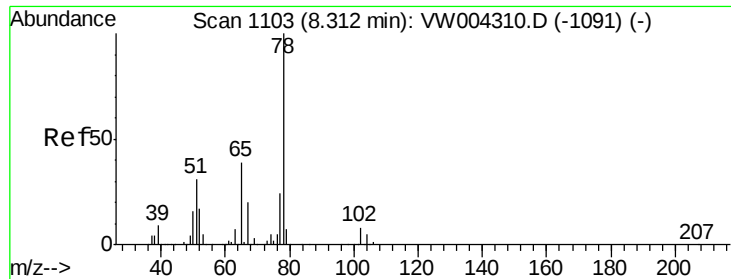
apatel  
7/30/2018 10:32:35 AM



#32  
1,1,1-Trichloroethane  
Concen: 96.43 ug/l  
RT: 7.87 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.3  | 51.7  | 77.5  |
| 61      | 43.1  | 34.8  | 52.2  |





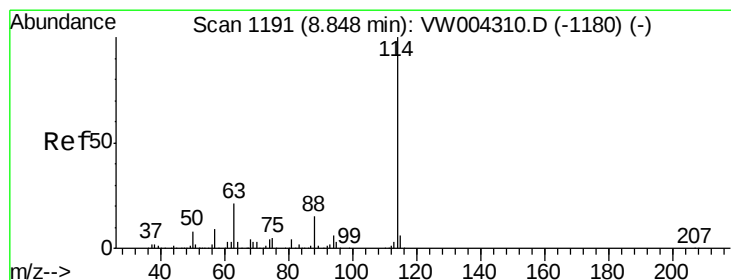
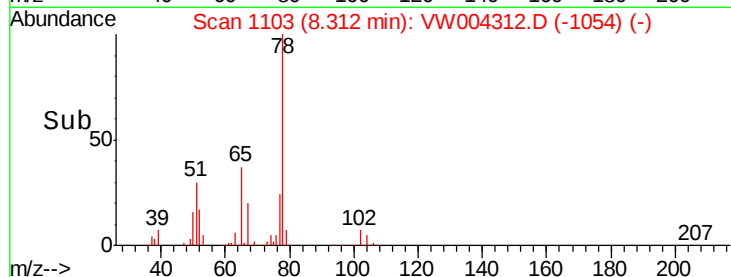
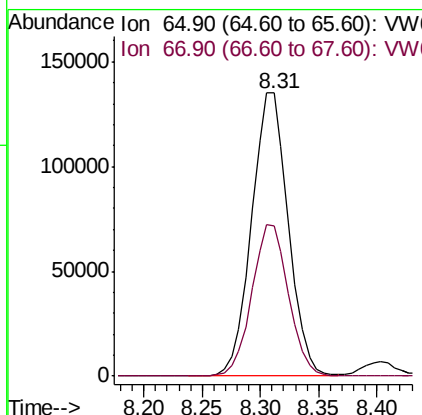
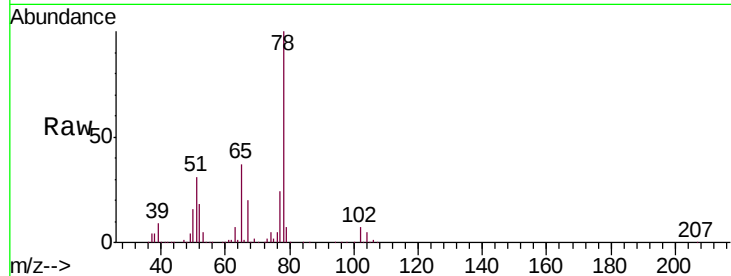
#33  
 1,2-Dichloroethane-d4  
 Concen: 100.53 ug/l  
 RT: 8.31 min Scan# 1103  
 Delta R.T. 0.00 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 296278 |       |       |
| 67      | 53.5  | 0.0    | 106.4 |       |

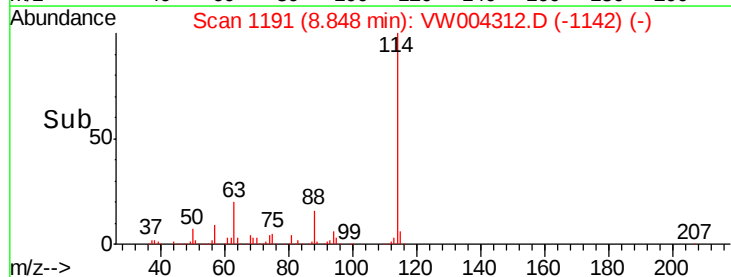
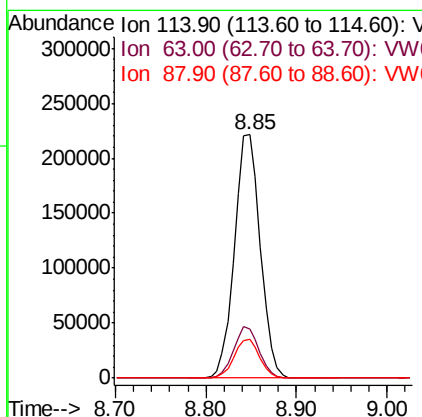
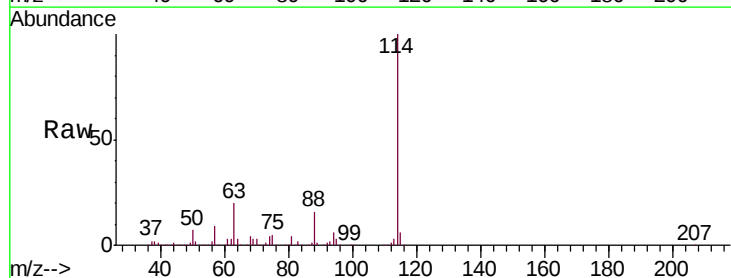
Manual Integrations  
 APPROVED

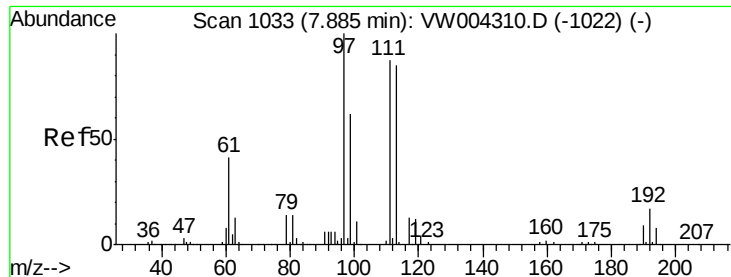
apatel  
 7/30/2018 10:32:35 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 440252 |       |       |
| 63      | 20.4  | 0.0    | 41.4  |       |
| 88      | 16.1  | 0.0    | 30.6  |       |





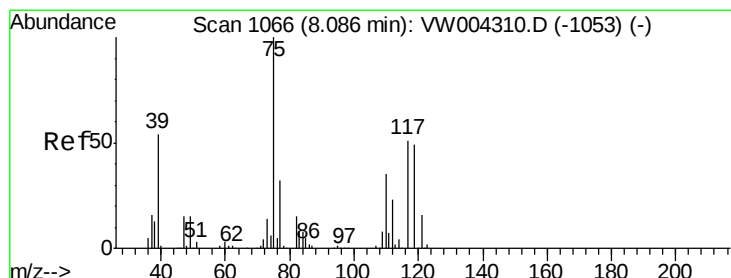
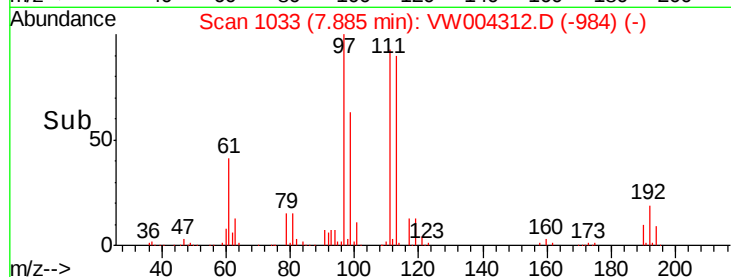
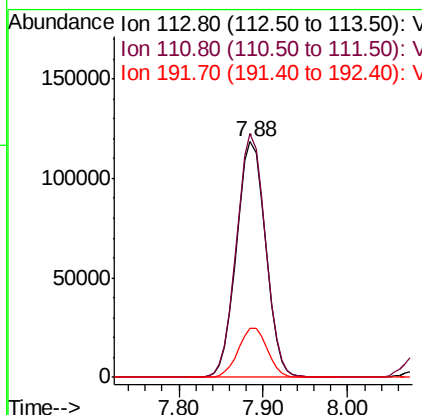
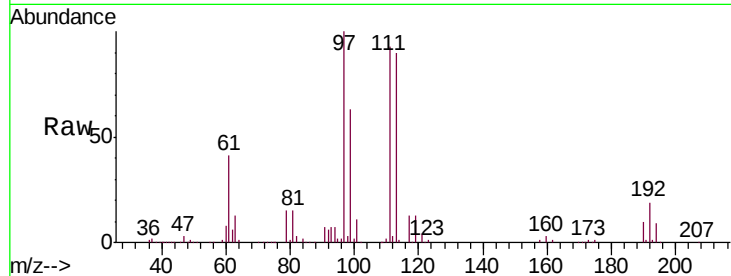
#35  
 Dibromofluoromethane  
 Concen: 99.81 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. 0.00 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 277705 |       |       |
| 111     | 102.5 | 82.1   | 123.1 |       |
| 192     | 20.7  | 16.2   | 24.4  |       |

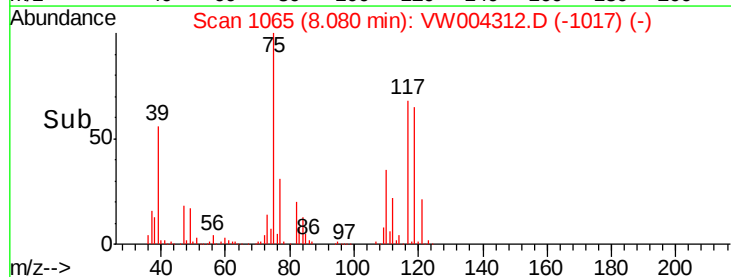
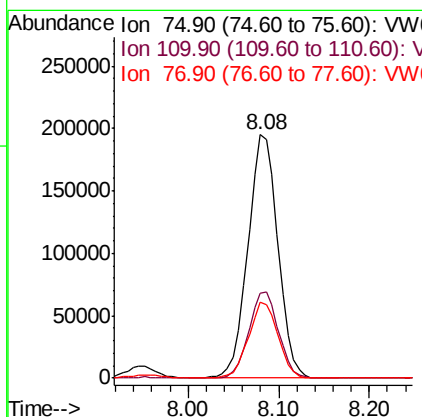
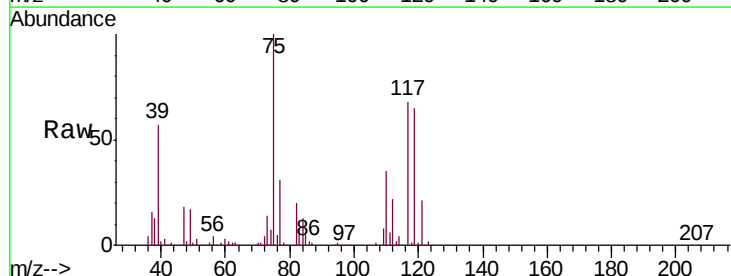
Manual Integrations  
 APPROVED

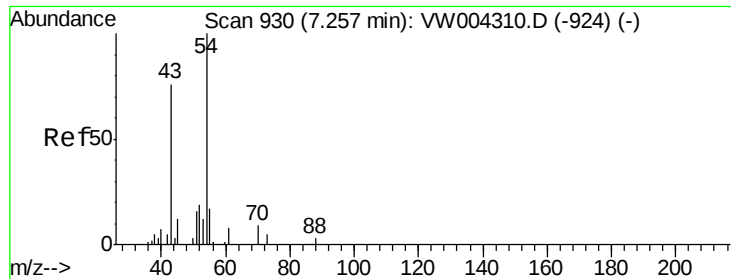
apatel  
 7/30/2018 10:32:35 AM



#36  
 1,1-Dichloropropene  
 Concen: 100.96 ug/l  
 RT: 8.08 min Scan# 1065  
 Delta R.T. -0.01 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 444671 |       |       |
| 110     | 35.1  | 17.3   | 52.0  |       |
| 77      | 31.0  | 25.0   | 37.6  |       |





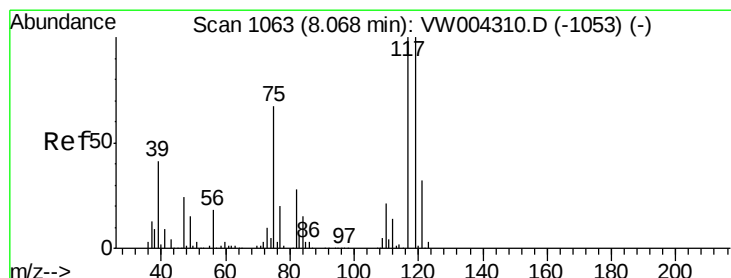
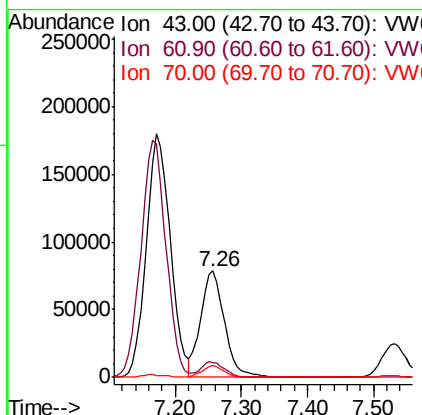
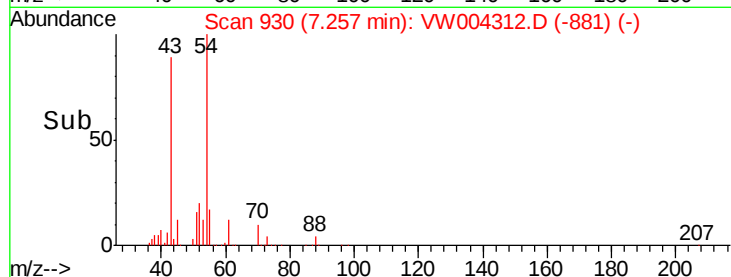
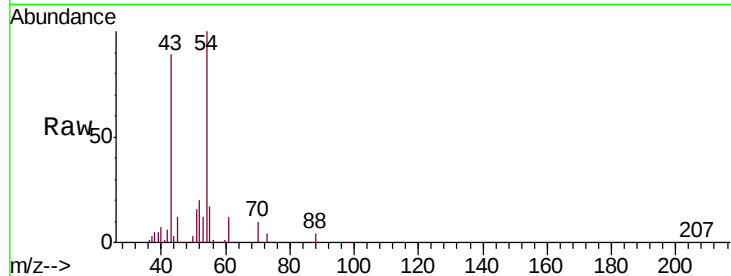
#37  
Ethyl Acetate  
Concen: 109.05 ug/l  
RT: 7.26 min Scan# 930  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.0  | 11.1  | 16.7  |
| 70      | 10.2  | 7.8   | 11.6  |

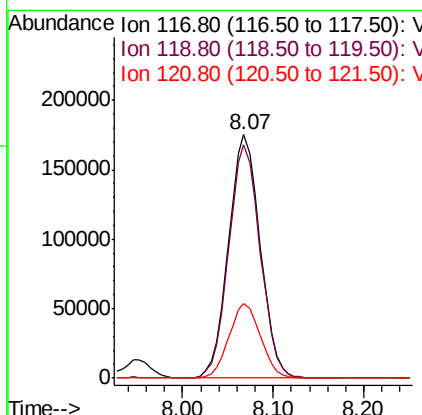
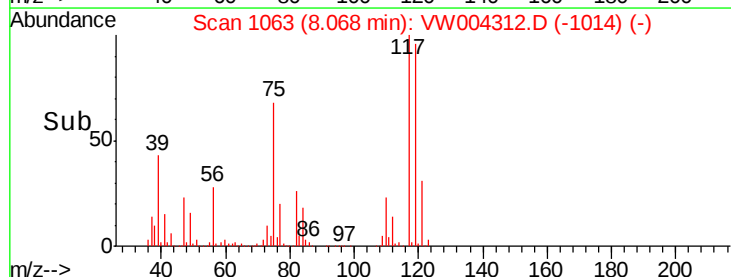
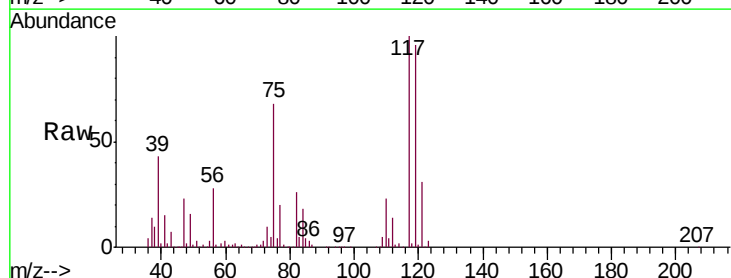
Manual Integrations  
APPROVED

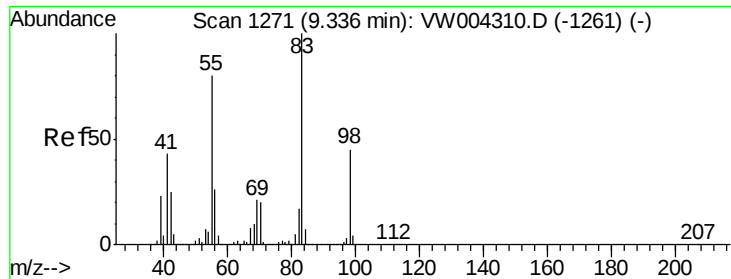
apatel  
7/30/2018 10:32:35 AM



#38  
Carbon Tetrachloride  
Concen: 97.36 ug/l  
RT: 8.07 min Scan# 1063  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.7  | 79.7  | 119.5 |
| 121     | 30.9  | 25.7  | 38.5  |





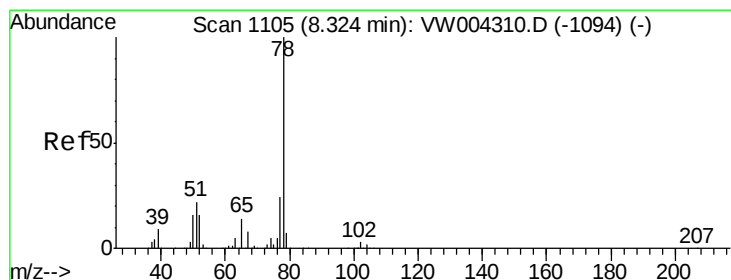
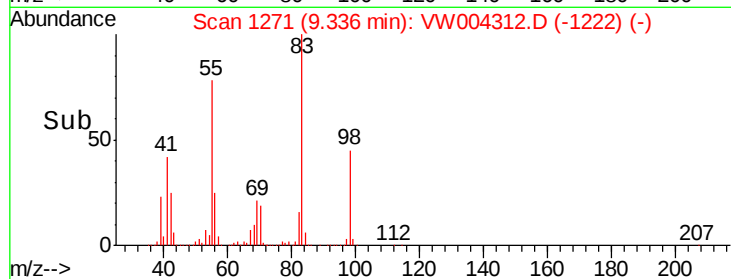
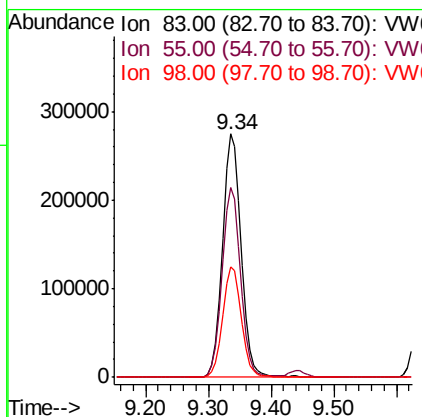
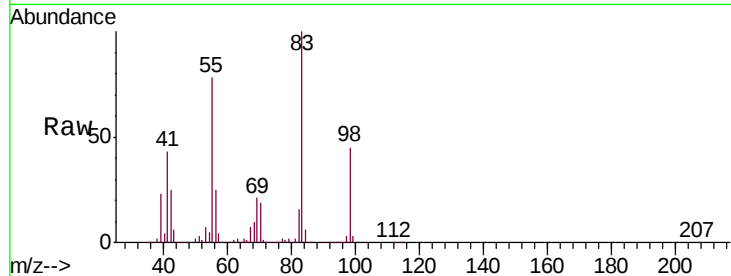
#39  
Methvlcvclohexane  
Concen: 106.25 ug/l  
RT: 9.34 min Scan# 1271  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 78.2  | 64.3  | 96.5  |
| 98      | 45.5  | 36.3  | 54.5  |

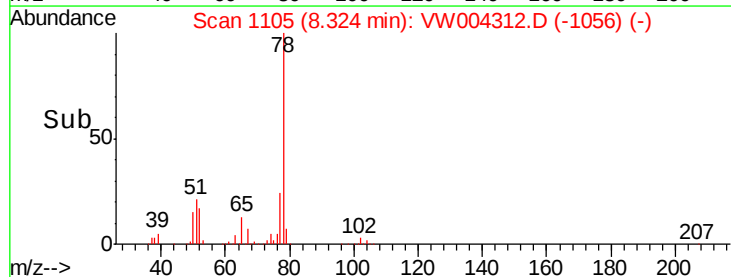
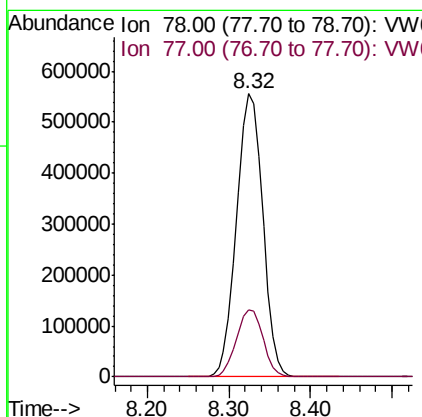
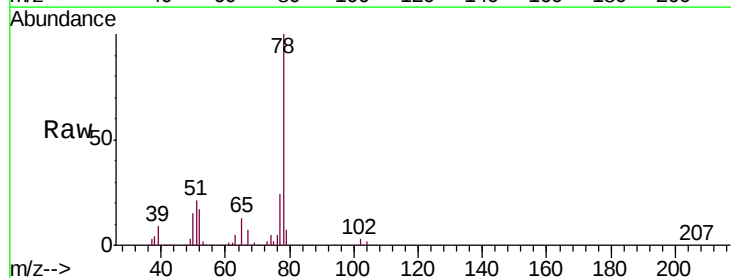
Manual Integrations  
APPROVED

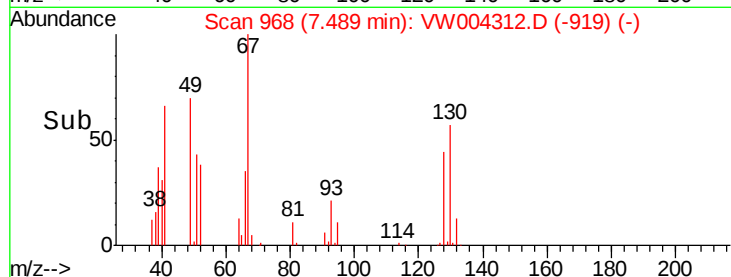
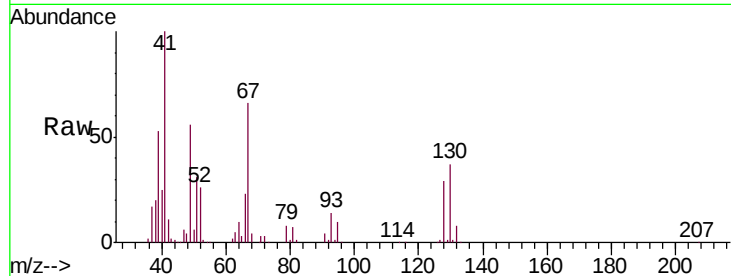
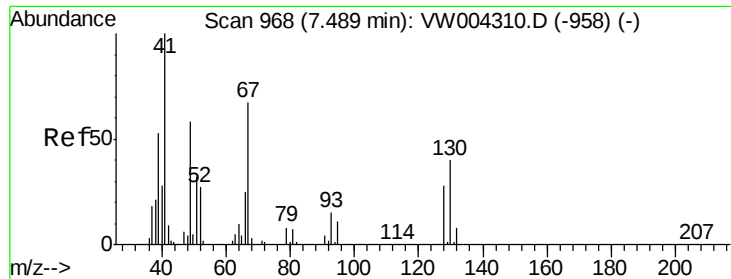
apatel  
7/30/2018 10:32:35 AM



#40  
Benzene  
Concen: 99.94 ug/l  
RT: 8.32 min Scan# 1105  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.6  | 19.4  | 29.0  |





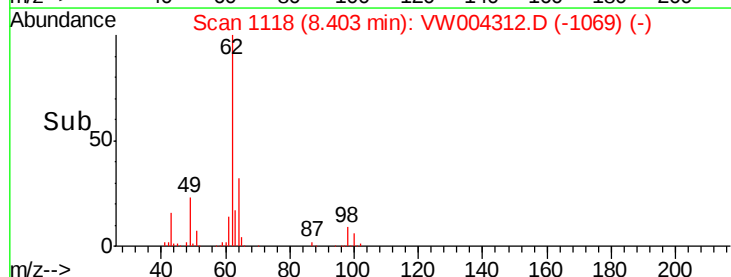
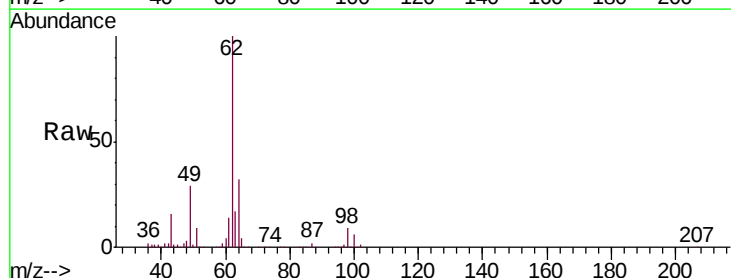
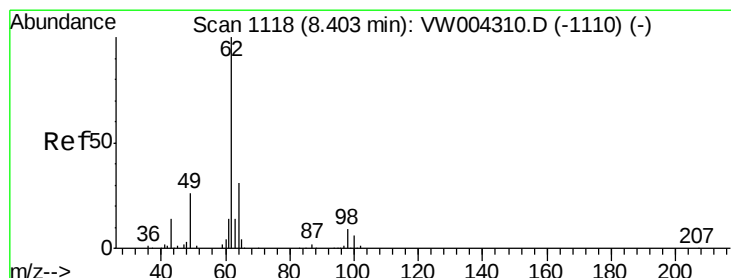
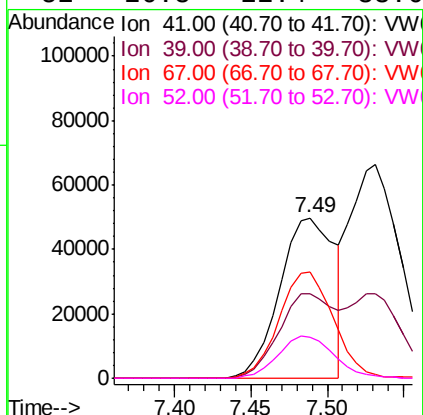
#41  
Methacrylonitrile  
Concen: 119.70 ug/l  
RT: 7.49 min Scan# 968  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 41      | 100  |       |      |       |       |
| 39      | 53.3 | 41.2  | 61.8 |       |       |
| 67      | 65.6 | 53.4  | 80.0 |       |       |
| 52      | 26.8 | 22.4  | 33.6 |       |       |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

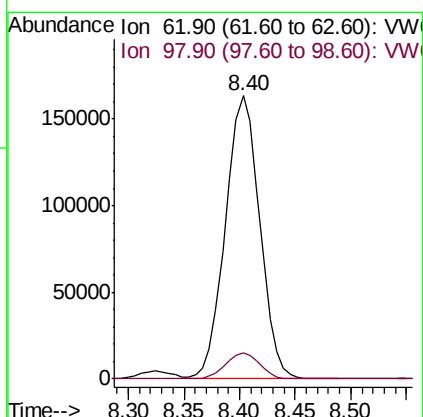
Manual Integrations  
APPROVED

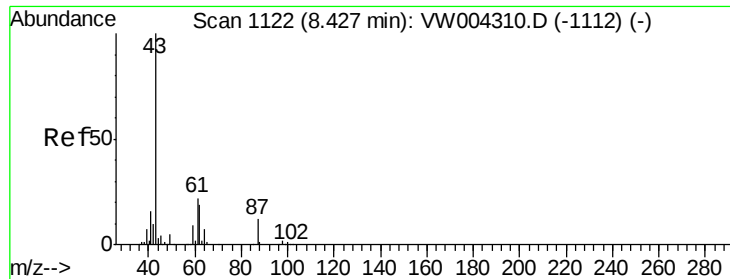
apatel  
7/30/2018 10:32:35 AM



#42  
1,2-Dichloroethane  
Concen: 98.41 ug/l  
RT: 8.40 min Scan# 1118  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 62      | 100 |       |      |       |       |
| 98      | 9.3 | 0.0   | 18.4 |       |       |





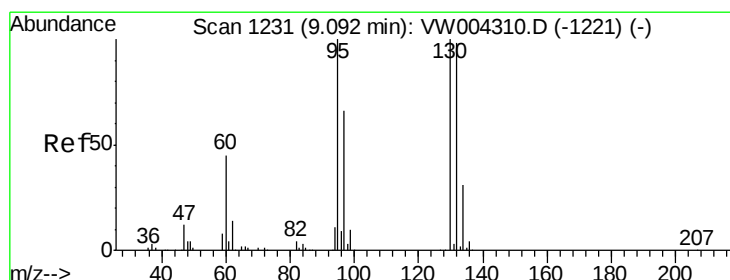
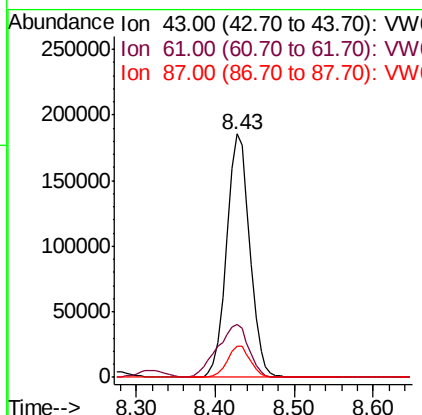
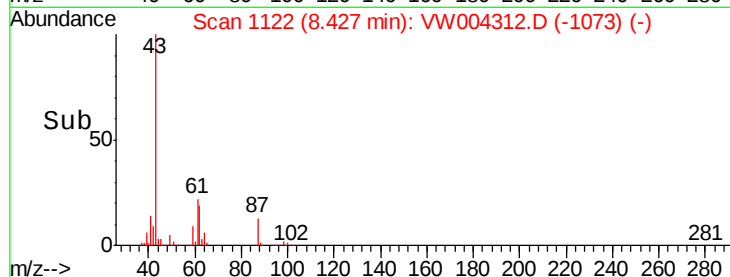
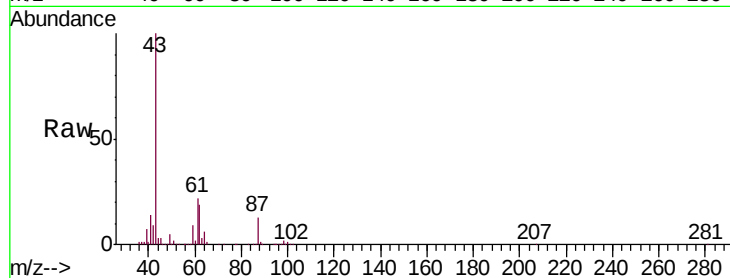
#43  
Isopropyl Acetate  
Concen: 115.79 ug/l  
RT: 8.43 min Scan# 1122  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 29.7  | 24.5  | 36.7  |
| 87      | 12.9  | 10.4  | 15.6  |

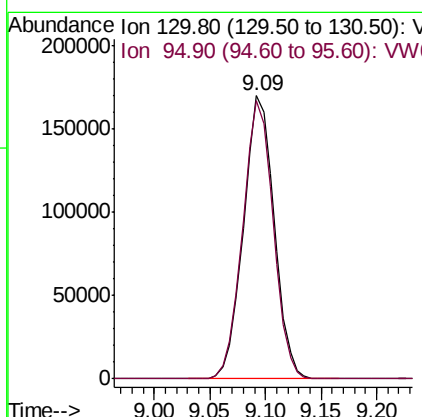
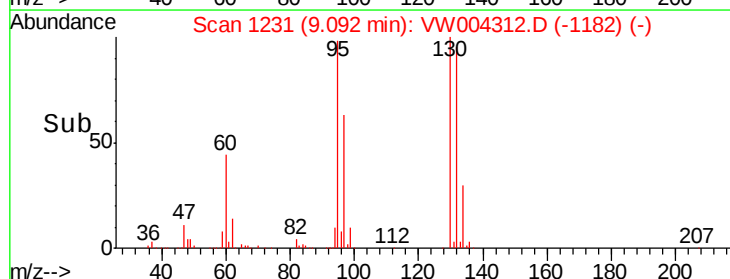
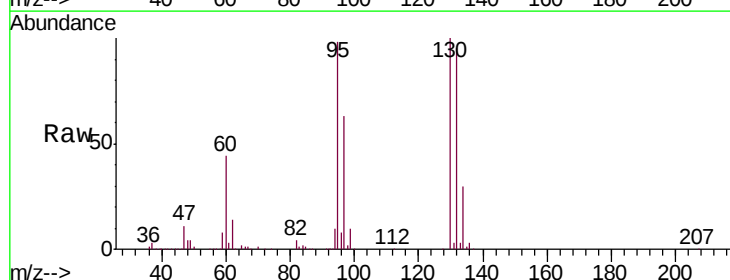
Manual Integrations  
APPROVED

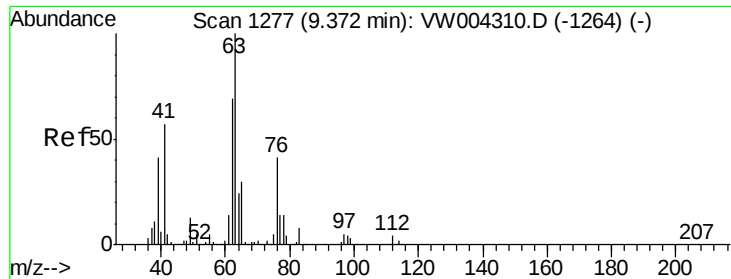
apatel  
7/30/2018 10:32:35 AM



#44  
Trichloroethene  
Concen: 97.66 ug/l  
RT: 9.09 min Scan# 1231  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 98.3  | 0.0   | 199.4 |





#45

1,2-Dichloropropane

Concen: 102.38 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 314752

Ion Ratio Lower Upper

63 100

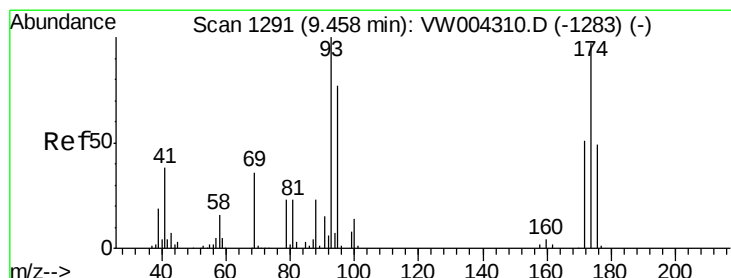
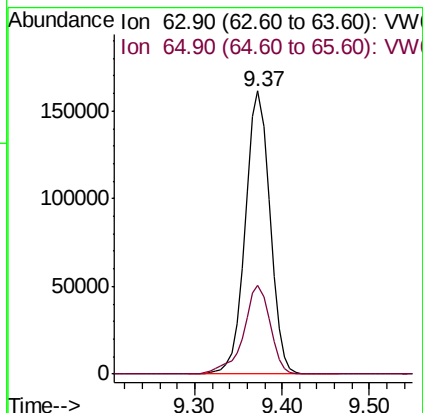
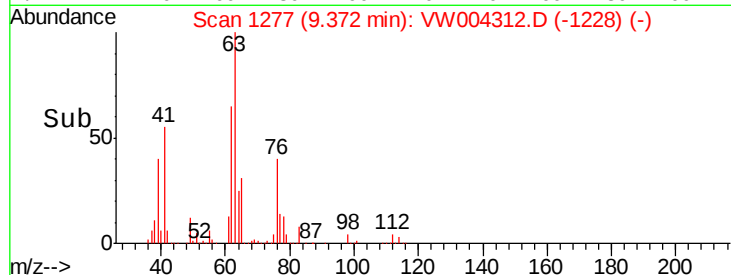
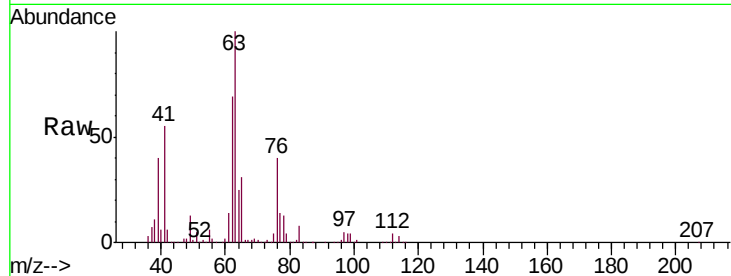
65 31.2 23.9 35.9

Manual Integrations

APPROVED

apatel

7/30/2018 10:32:35 AM



#46

Dibromomethane

Concen: 100.10 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

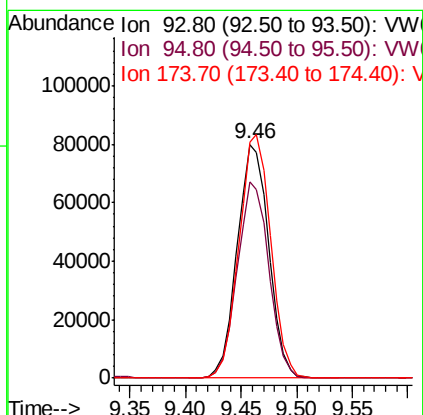
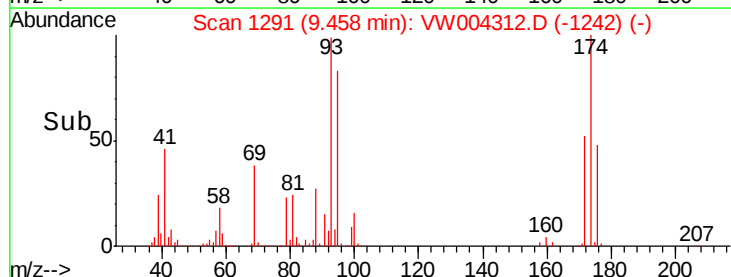
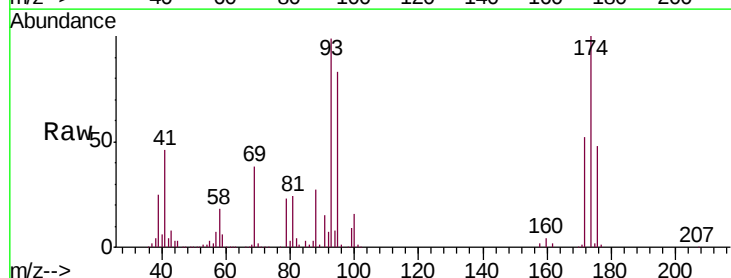
Tgt Ion: 93 Resp: 157154

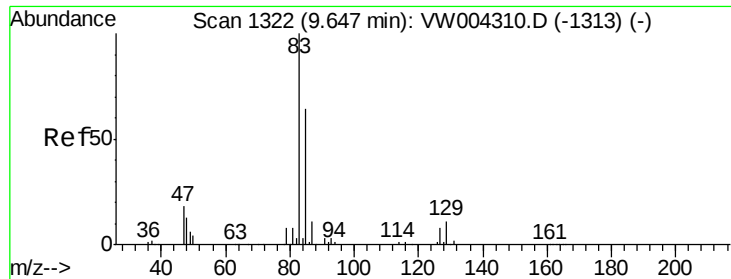
Ion Ratio Lower Upper

93 100

95 84.0 65.8 98.8

174 104.9 83.7 125.5





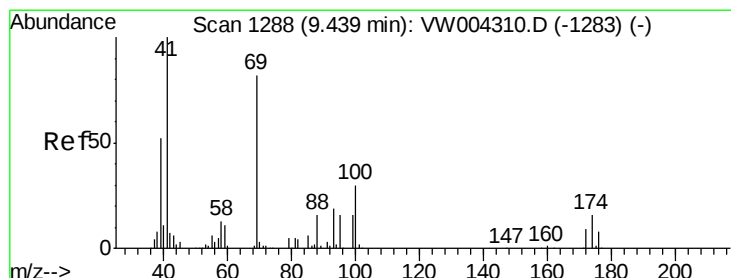
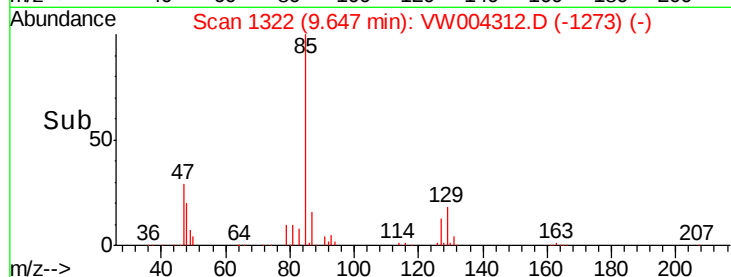
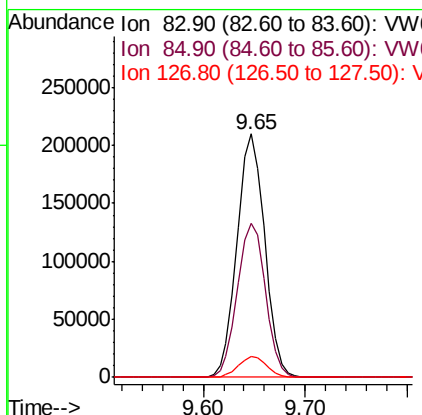
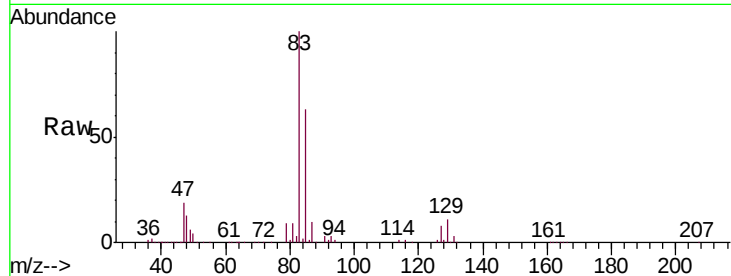
#47  
Bromodichloromethane  
Concen: 99.13 ug/l  
RT: 9.65 min Scan# 1322  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 394731 |       |       |
| 85      | 63.5  | 51.3   | 76.9  |       |
| 127     | 8.5   | 6.6    | 9.8   |       |

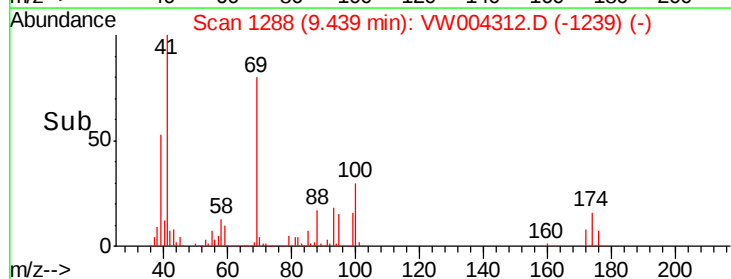
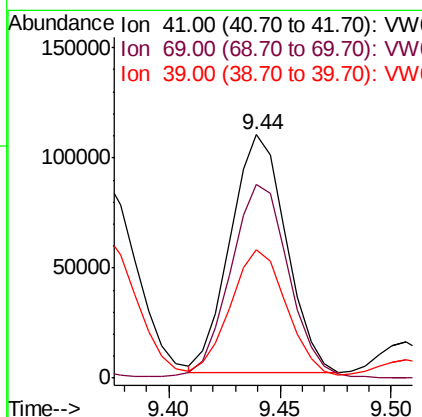
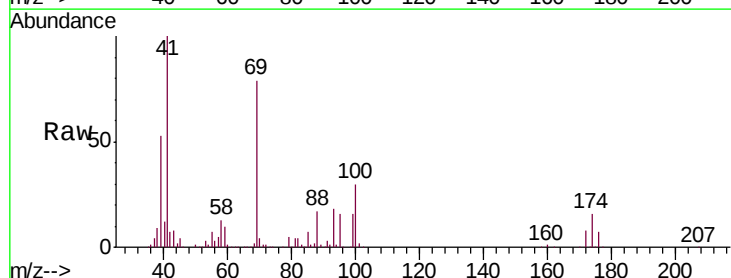
Manual Integrations  
APPROVED

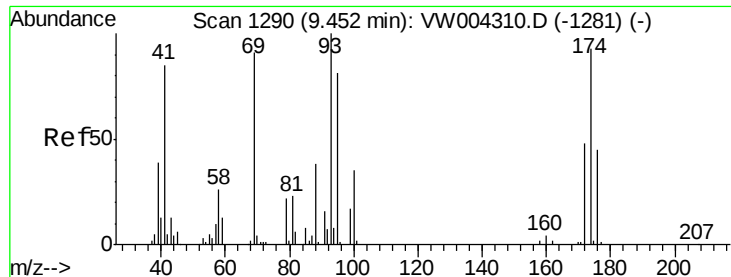
apatel  
7/30/2018 10:32:35 AM



#48  
Methyl methacrylate  
Concen: 113.39 ug/l  
RT: 9.44 min Scan# 1288  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 187837 |       |       |
| 69      | 85.8  | 69.7   | 104.5 |       |
| 39      | 52.8  | 41.8   | 62.8  |       |





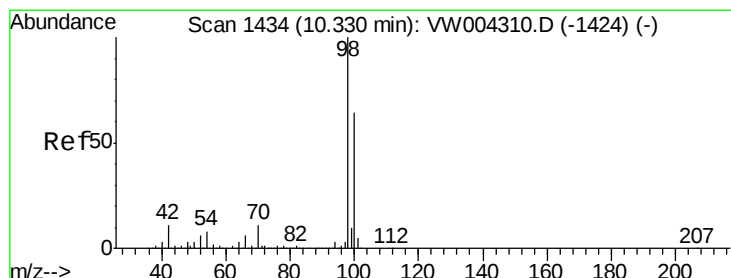
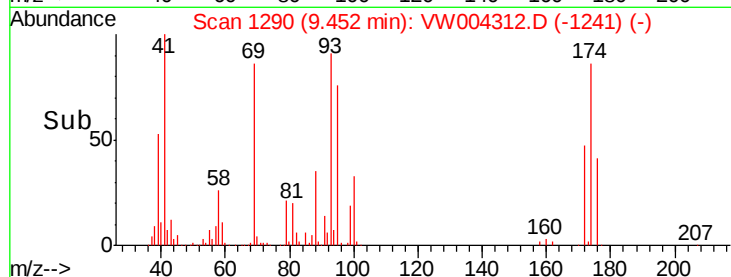
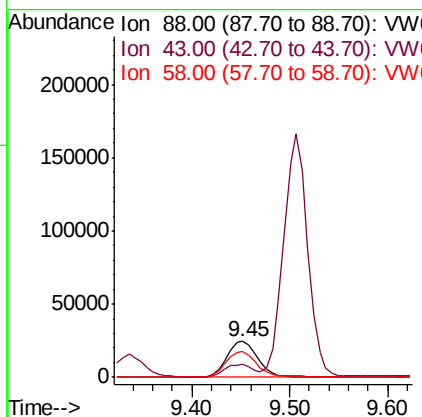
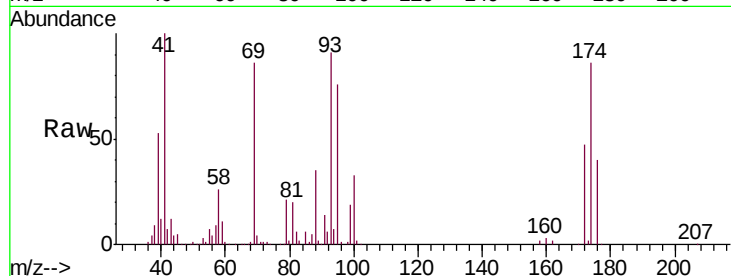
#49  
1,4-Dioxane  
Concen: 2283.21 ug/l  
RT: 9.45 min Scan# 1290  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC100

| Tot Ion | 88    | Resp  | 54339 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 32.7  | 28.3  | 42.5  |
| 58      | 73.2  | 60.2  | 90.4  |

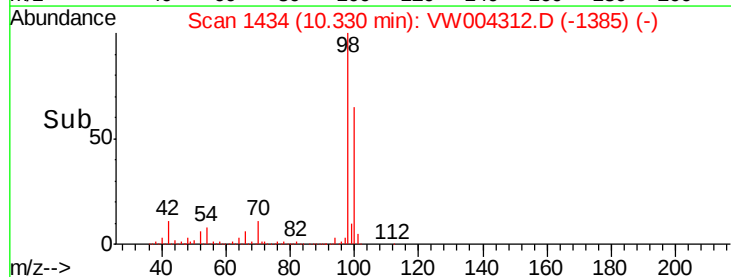
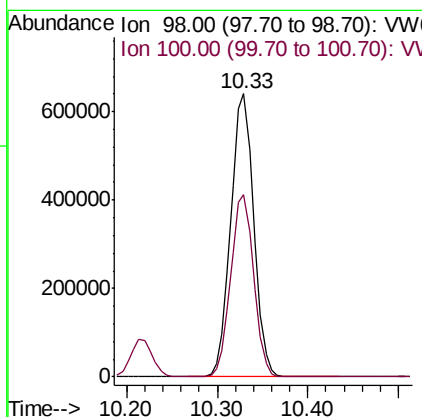
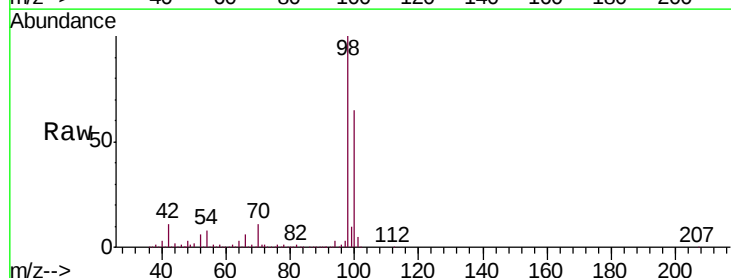
Manual Integrations  
APPROVED

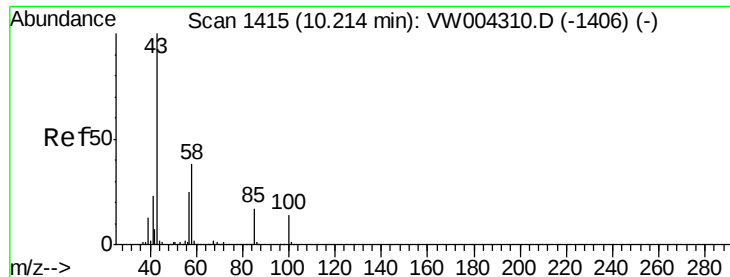
apatel  
7/30/2018 10:32:35 AM



#50  
Toluene-d8  
Concen: 102.25 ug/l  
RT: 10.33 min Scan# 1434  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | 98    | Resp  | 1124261 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 64.4  | 51.5  | 77.3    |





#51

4-Methyl-2-Pentanone

Concen: 559.28 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 998409

Ion Ratio Lower Upper

43 100

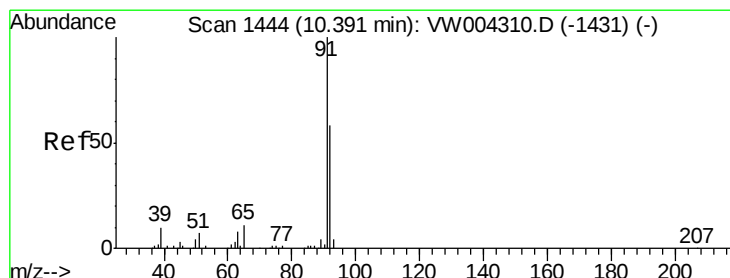
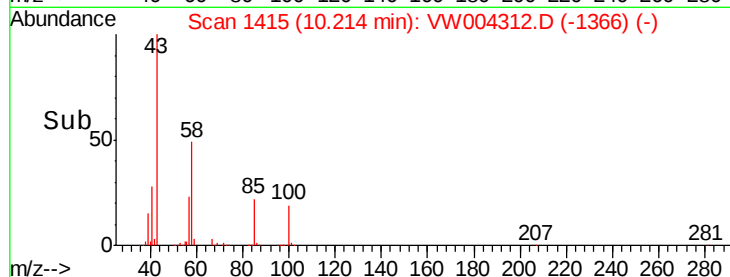
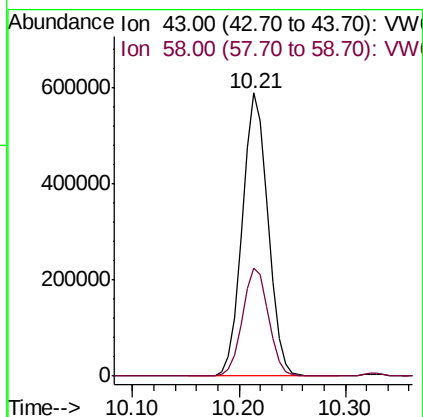
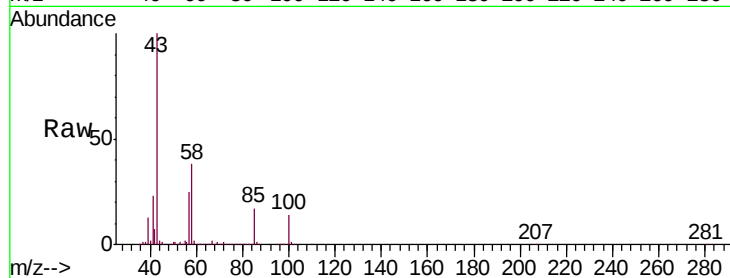
58 38.6 30.6 45.8

Manual Integrations

APPROVED

apatel

7/30/2018 10:32:35 AM



#52

Toluene

Concen: 100.76 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004312.D

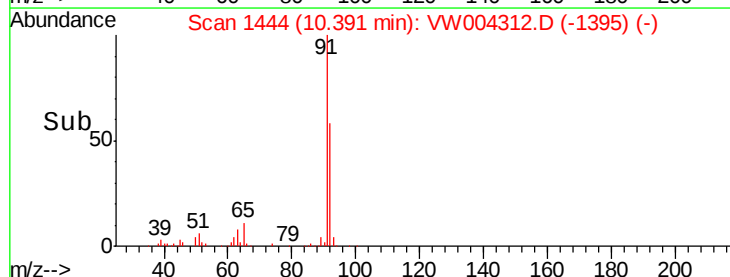
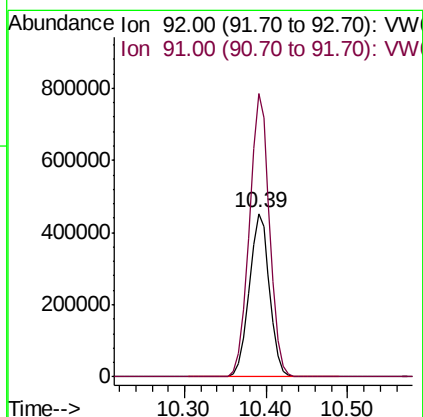
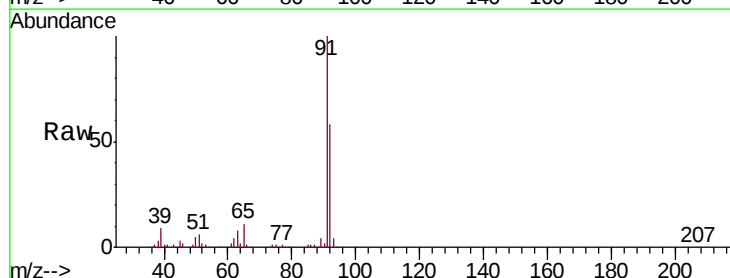
Acq: 29 Jul 2018 13:55

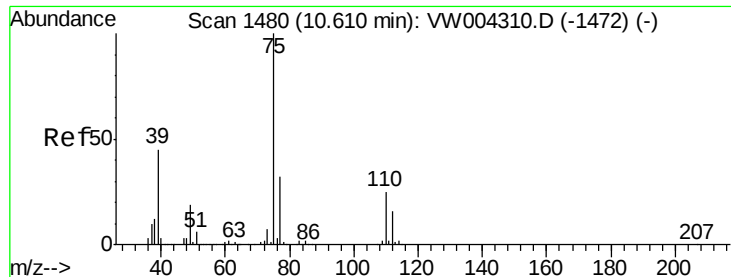
Tgt Ion: 92 Resp: 783771

Ion Ratio Lower Upper

92 100

91 172.3 139.0 208.4





#53

t-1,3-Dichloropropene

Concen: 105.00 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 418757

Ion Ratio Lower Upper

75 100

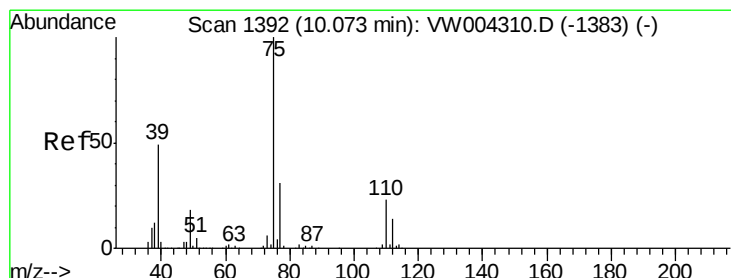
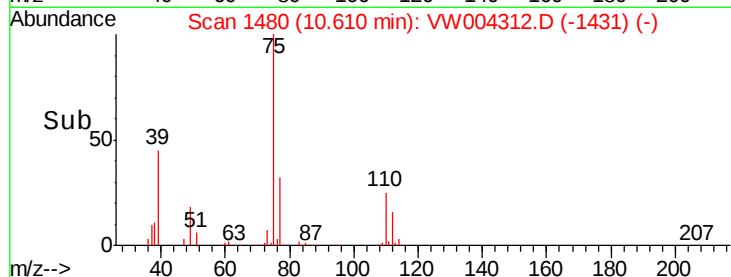
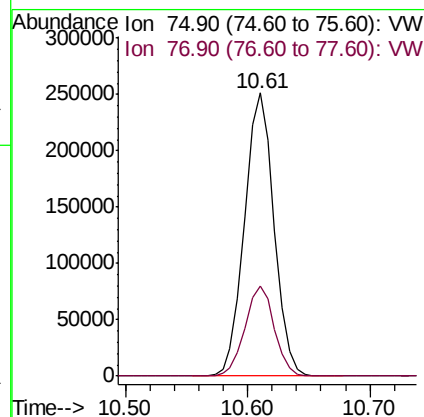
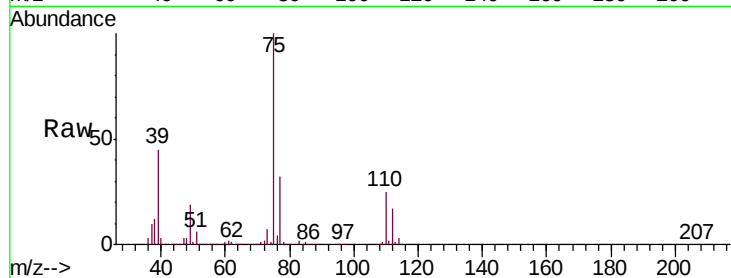
77 31.9 25.8 38.6

Manual Integrations

APPROVED

apatel

7/30/2018 10:32:35 AM



#54

cis-1,3-Dichloropropene

Concen: 104.35 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

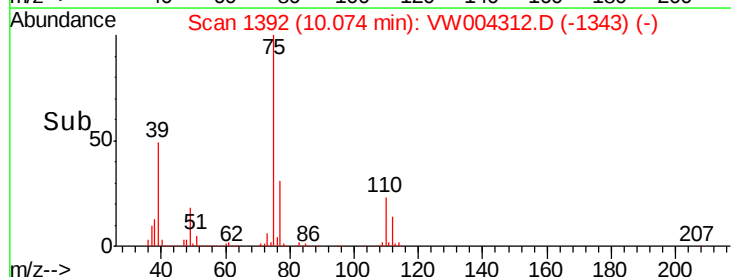
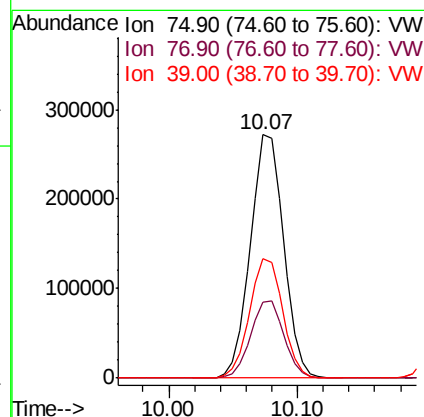
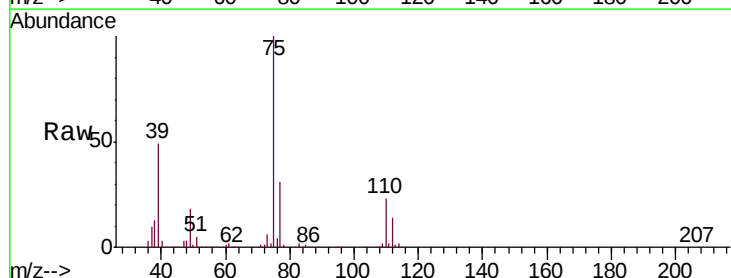
Tgt Ion: 75 Resp: 485153

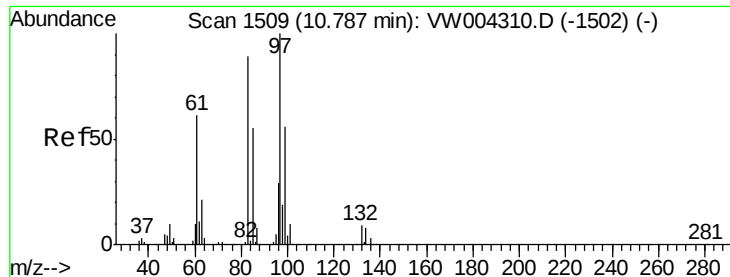
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.4

39 49.0 39.0 58.6





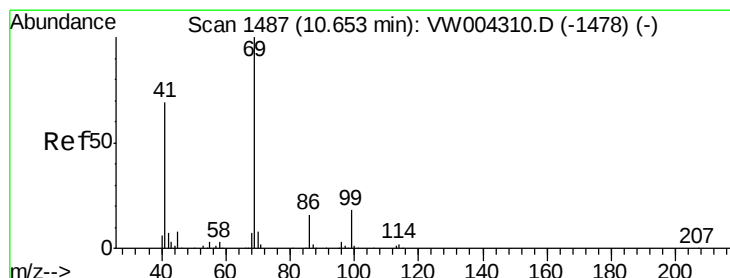
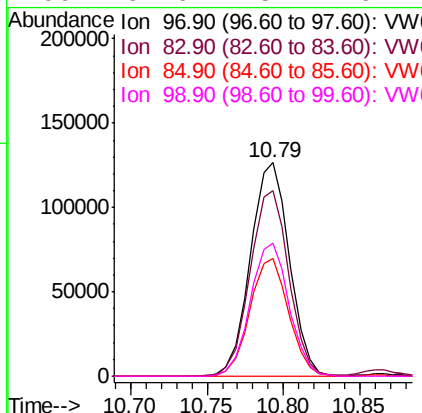
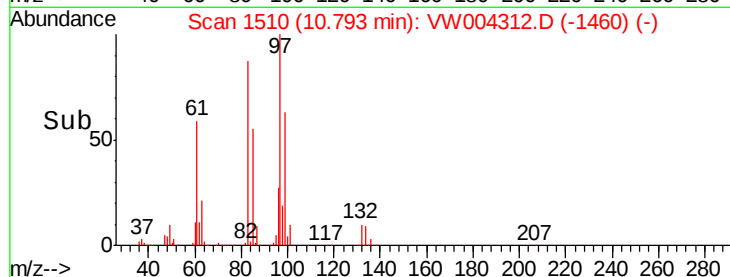
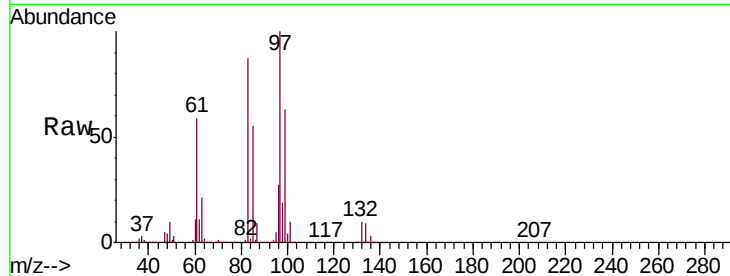
#55  
 1,1,2-Trichloroethane  
 Concen: 99.96 ug/l  
 RT: 10.79 min Scan# 1510  
 Delta R.T. 0.01 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 223597 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 86.7  | 70.8  | 106.2  |
| 85       | 55.4  | 43.7  | 65.5   |
| 99       | 62.6  | 45.1  | 67.7   |

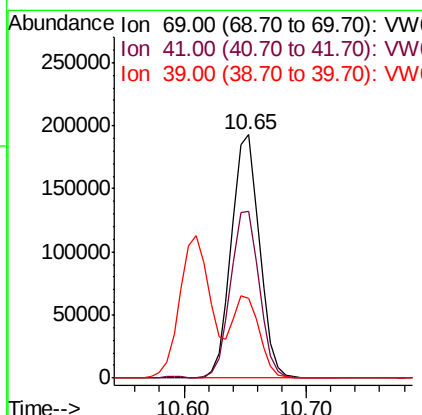
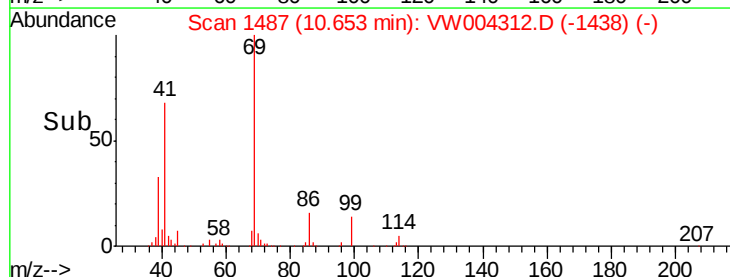
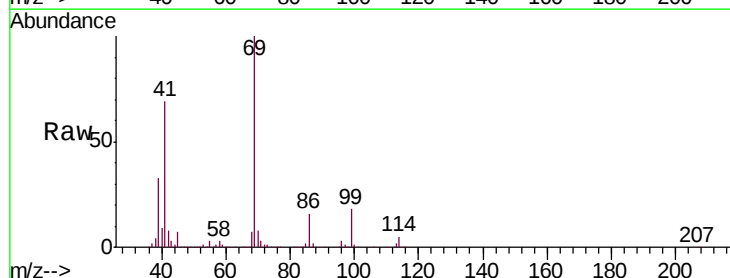
Manual Integrations  
 APPROVED

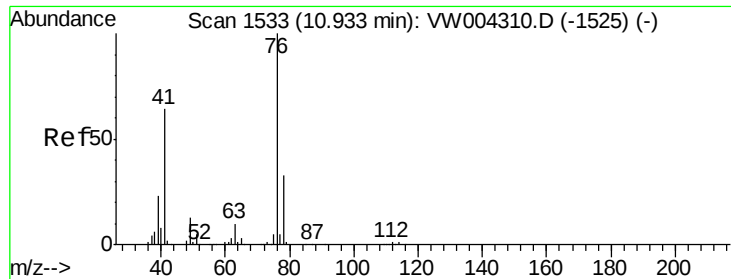
apatel  
 7/30/2018 10:32:35 AM



#56  
 Ethyl methacrylate  
 Concen: 113.11 ug/l  
 RT: 10.65 min Scan# 1487  
 Delta R.T. 0.00 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 306178 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 69.8  | 54.7  | 82.1   |
| 39       | 31.1  | 24.4  | 36.6   |





#57

1,3-Dichloropropane

Concen: 102.29 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 389809

Ion Ratio Lower Upper

76 100

78 31.4

25.6

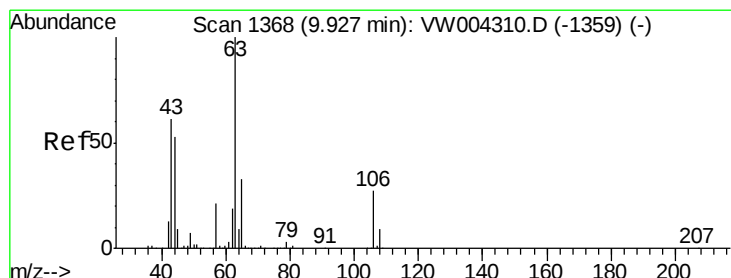
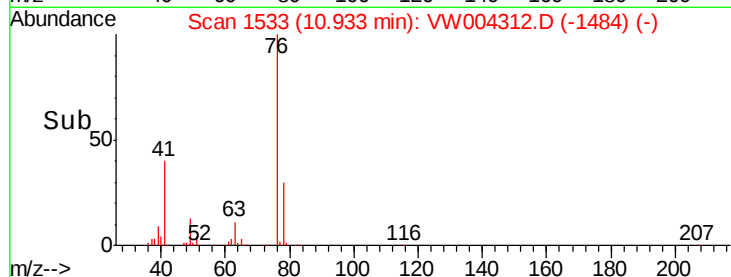
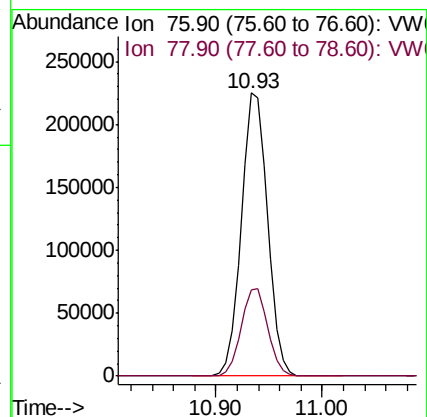
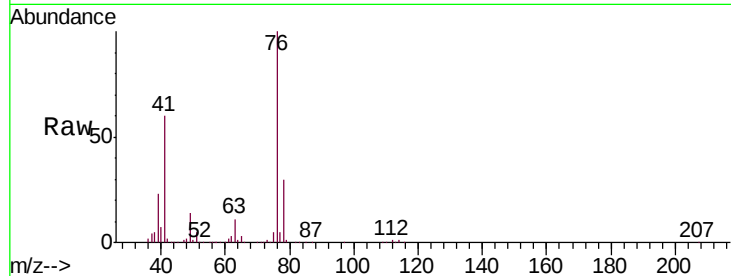
38.4

Manual Integrations

APPROVED

apatel

7/30/2018 10:32:35 AM



#58

2-Chloroethyl Vinyl ether

Concen: 553.35 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Tgt Ion: 63 Resp: 665365

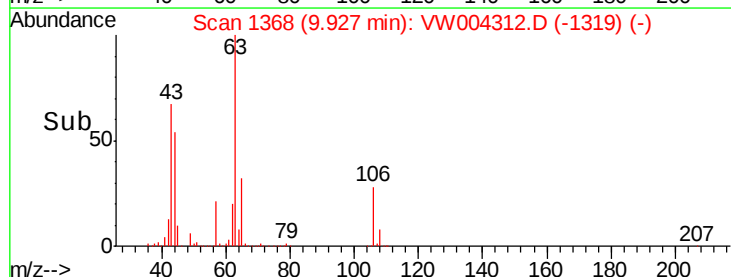
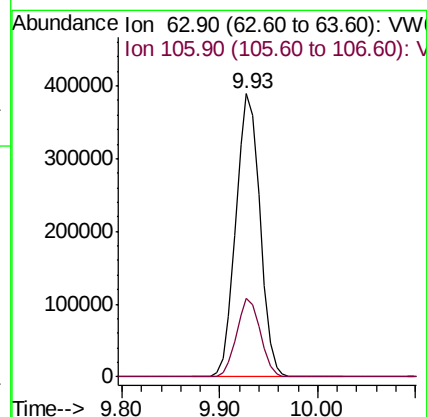
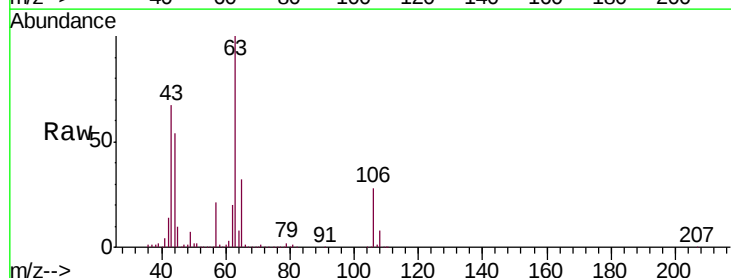
Ion Ratio Lower Upper

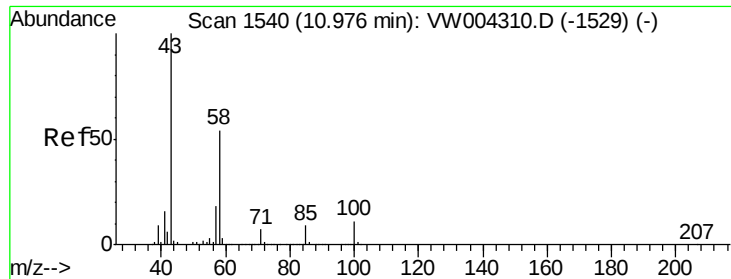
63 100

106 27.2

21.9

32.9





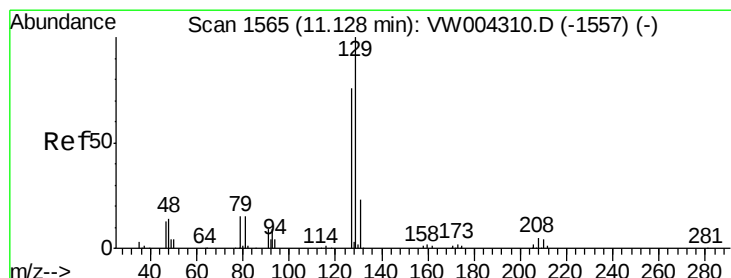
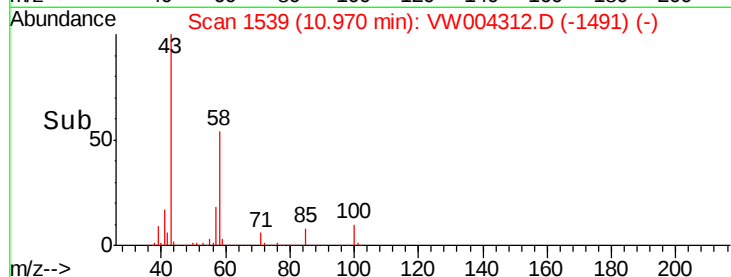
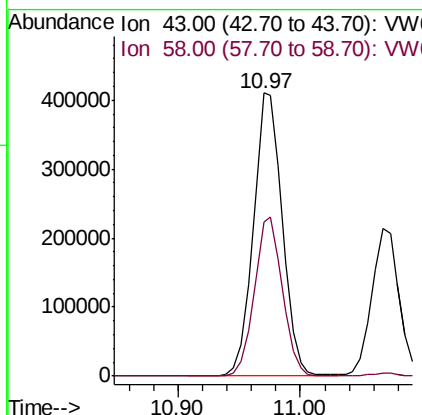
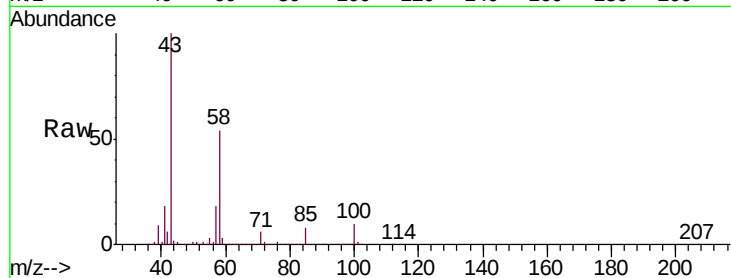
#59  
2-Hexanone  
Concen: 550.69 ug/l  
RT: 10.97 min Scan# 1539  
Delta R.T. -0.01 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

Tot Ion: 43 Resp: 675022  
Ion Ratio Lower Upper  
43 100  
58 54.6 26.5 79.4

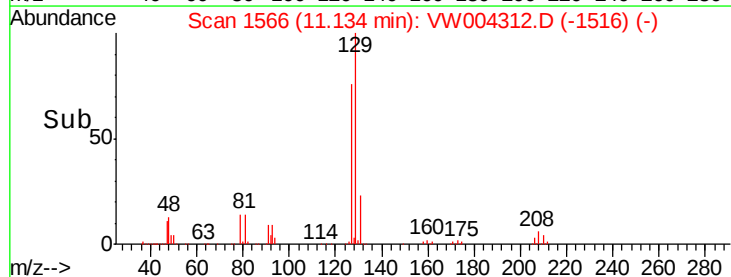
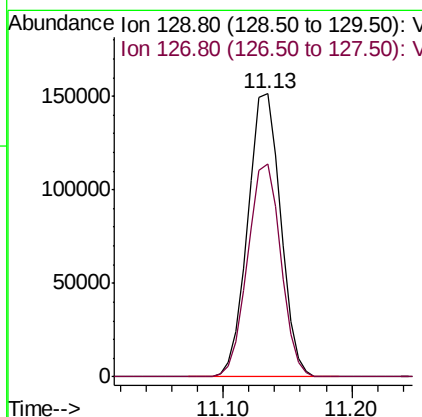
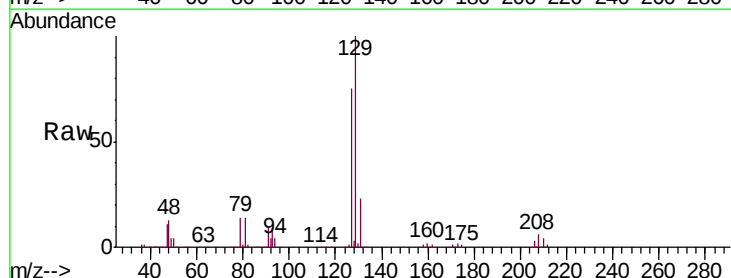
Manual Integrations  
APPROVED

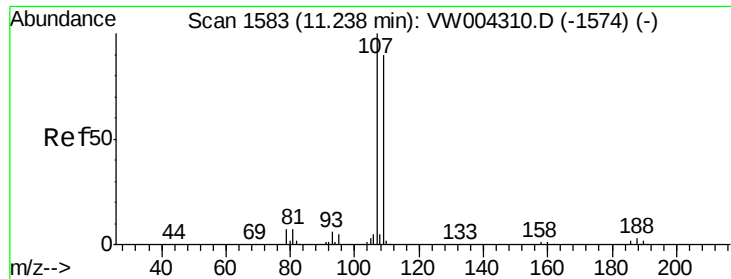
apatel  
7/30/2018 10:32:35 AM



#60  
Dibromochloromethane  
Concen: 99.63 ug/l  
RT: 11.13 min Scan# 1566  
Delta R.T. 0.01 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Tgt Ion: 129 Resp: 266658  
Ion Ratio Lower Upper  
129 100  
127 75.9 38.9 116.7





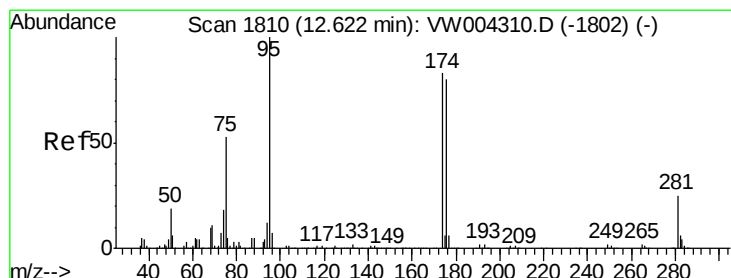
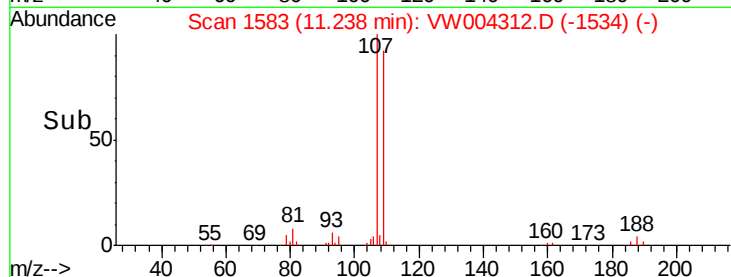
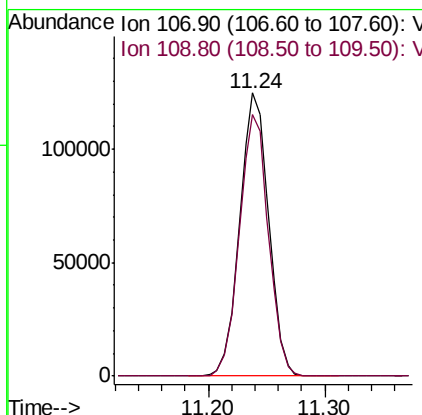
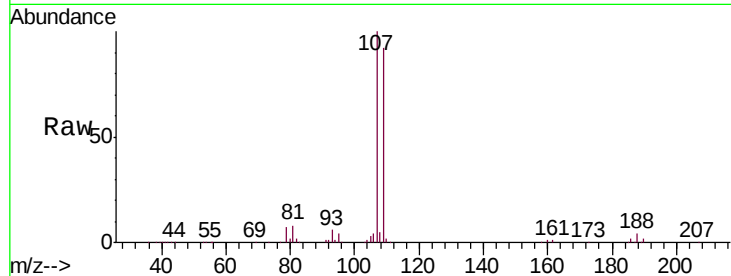
#61  
 1,2-Dibromoethane  
 Concen: 100.98 ug/l  
 RT: 11.24 min Scan# 1583  
 Delta R.T. 0.00 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.0  | 74.6  | 112.0 |

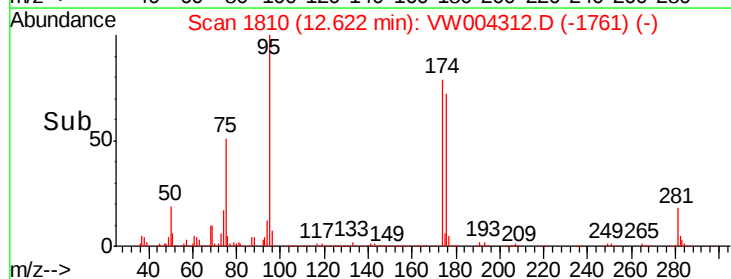
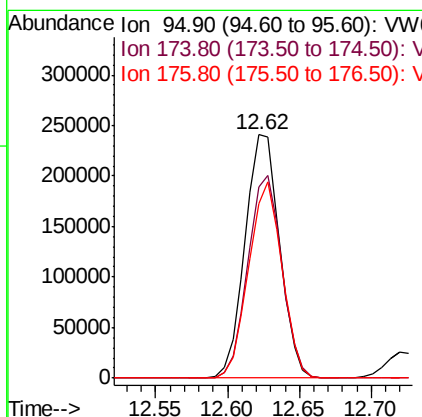
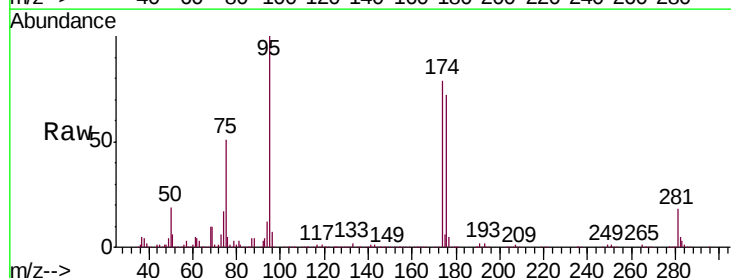
Manual Integrations  
 APPROVED

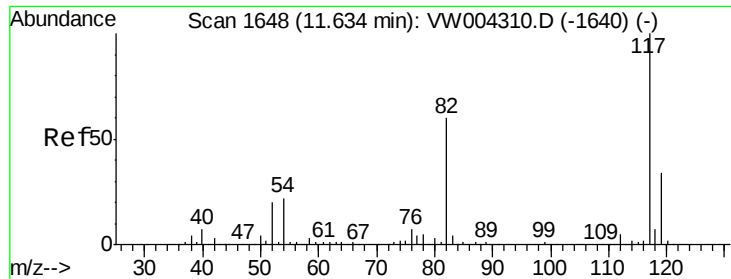
apatel  
 7/30/2018 10:32:35 AM



#62  
 4-Bromofluorobenzene  
 Concen: 102.96 ug/l  
 RT: 12.62 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 81.9  | 0.0   | 167.8 |
| 176     | 78.0  | 0.0   | 162.4 |





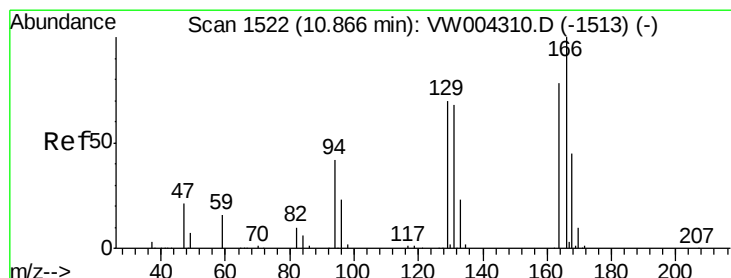
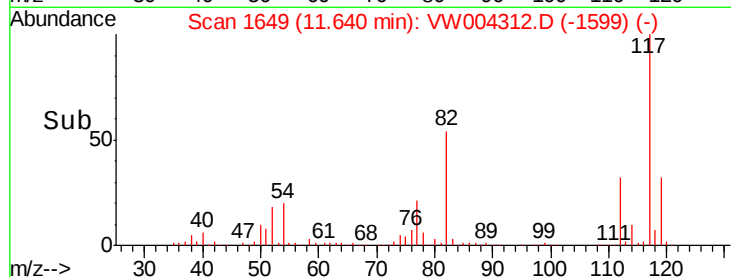
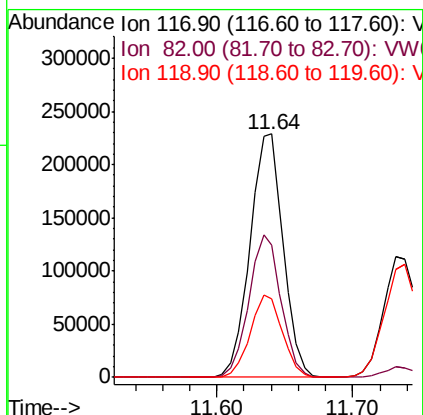
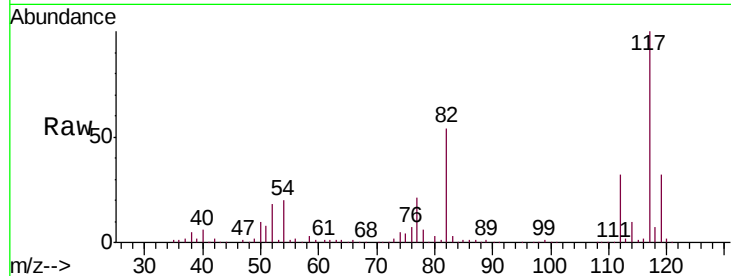
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1649  
Delta R.T. 0.01 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.2  | 47.9  | 71.9  |
| 119     | 32.4  | 27.1  | 40.7  |

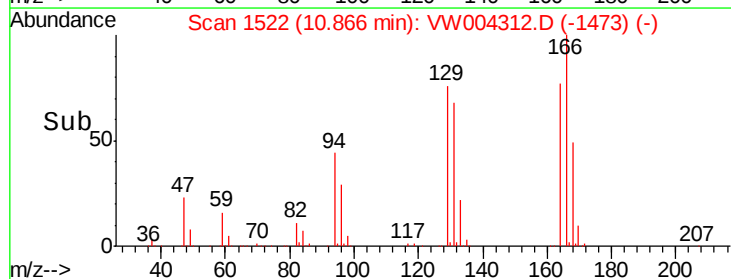
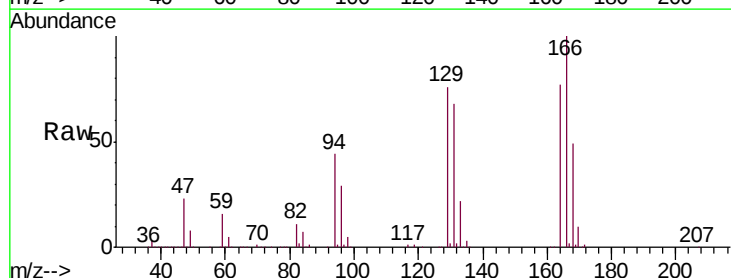
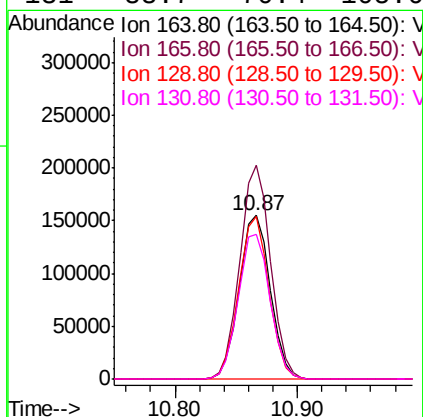
Manual Integrations  
APPROVED

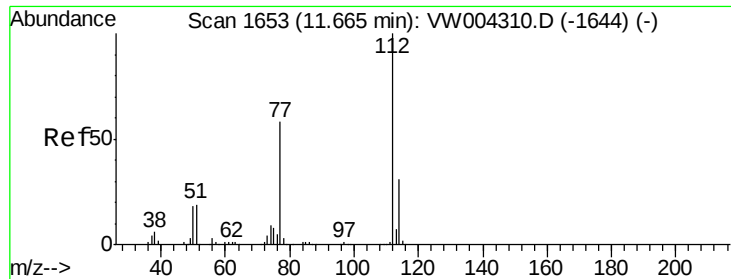
apatel  
7/30/2018 10:32:35 AM



#64  
Tetrachloroethene  
Concen: 95.42 ug/l  
RT: 10.87 min Scan# 1522  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 130.5 | 103.2 | 154.8 |
| 129     | 99.1  | 72.1  | 108.1 |
| 131     | 88.7  | 70.4  | 105.6 |





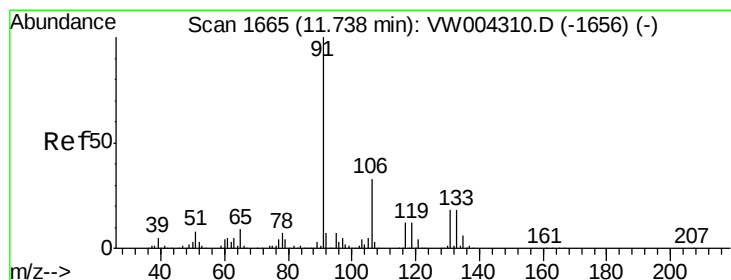
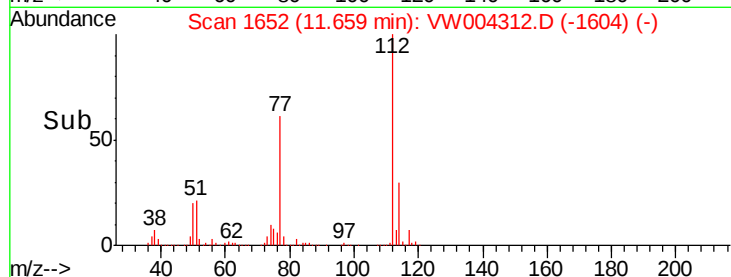
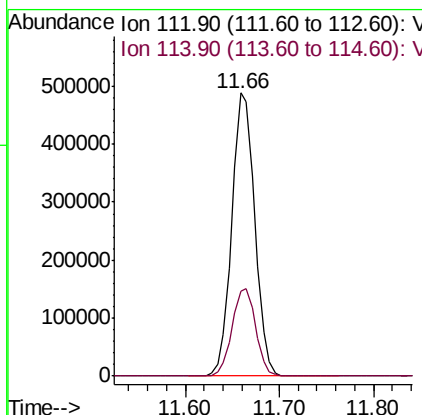
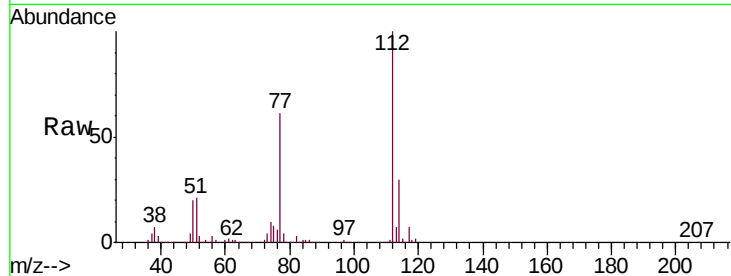
#65  
Chlorobenzene  
Concen: 100.06 ug/l  
RT: 11.66 min Scan# 1652  
Delta R.T. -0.01 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 30.1  | 24.7  | 37.1  |

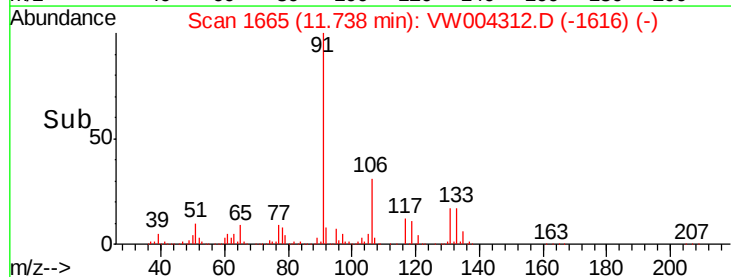
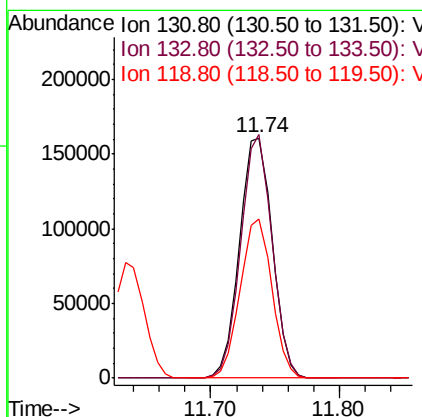
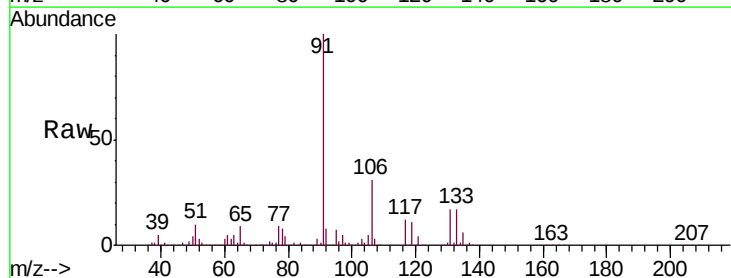
Manual Integrations  
APPROVED

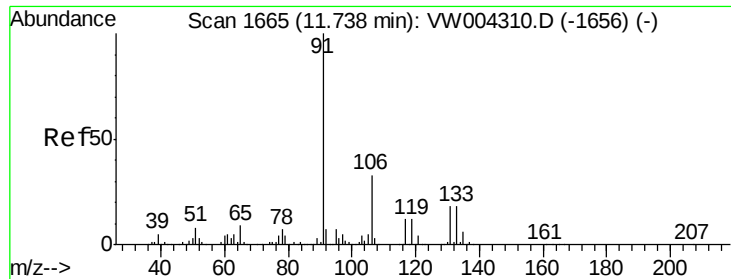
apatel  
7/30/2018 10:32:35 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 97.52 ug/l  
RT: 11.74 min Scan# 1665  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.6  | 48.6  | 145.9 |
| 119     | 64.3  | 33.1  | 99.5  |





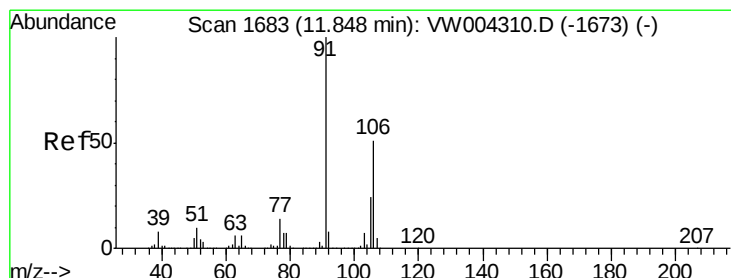
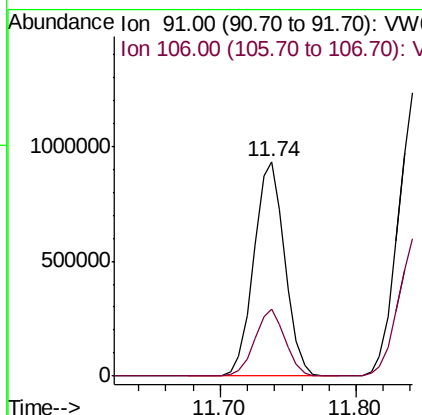
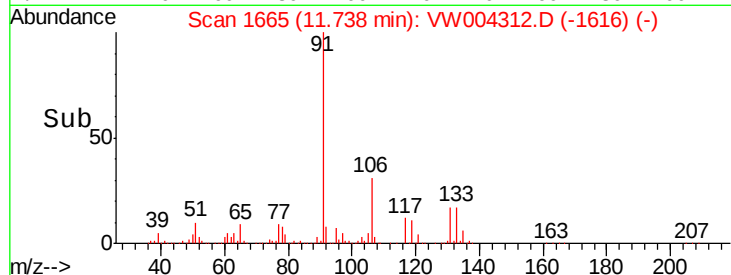
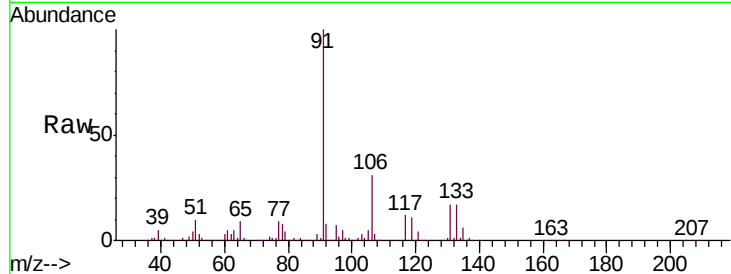
#67  
Ethyl Benzene  
Concen: 103.53 ug/l  
RT: 11.74 min Scan# 1665  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC100

Tot Ion: 91 Resp: 1484047  
Ion Ratio Lower Upper  
91 100  
106 31.1 26.1 39.1

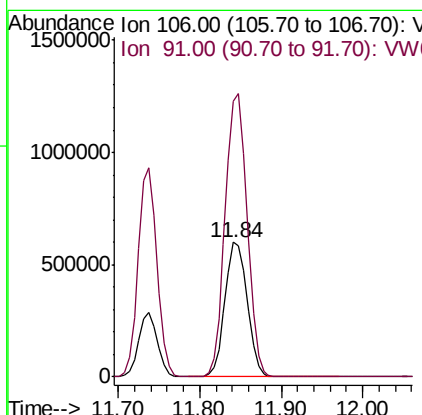
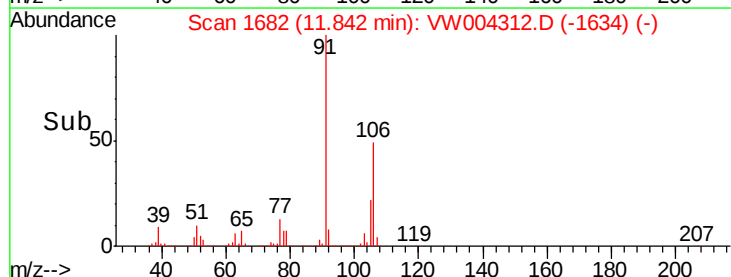
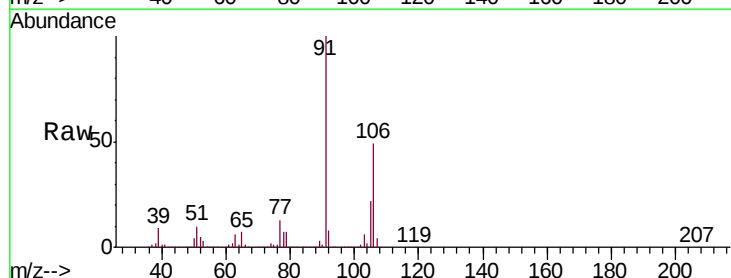
Manual Integrations  
APPROVED

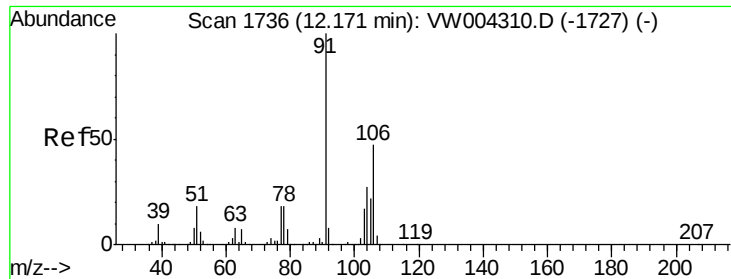
apatel  
7/30/2018 10:32:35 AM



#68  
m/p-Xylenes  
Concen: 204.14 ug/l  
RT: 11.84 min Scan# 1682  
Delta R.T. -0.01 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Tgt Ion: 106 Resp: 1125976  
Ion Ratio Lower Upper  
106 100  
91 208.4 162.2 243.2





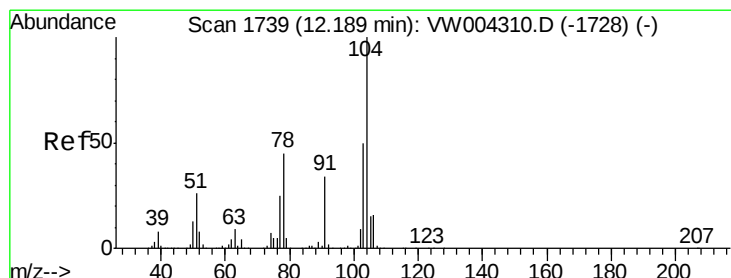
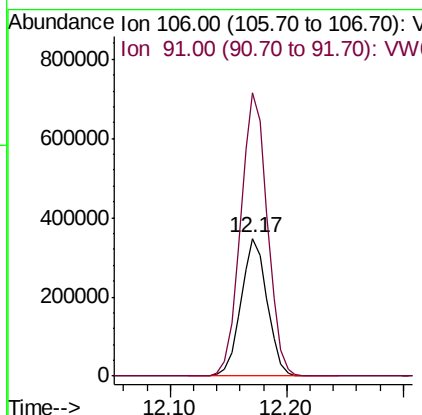
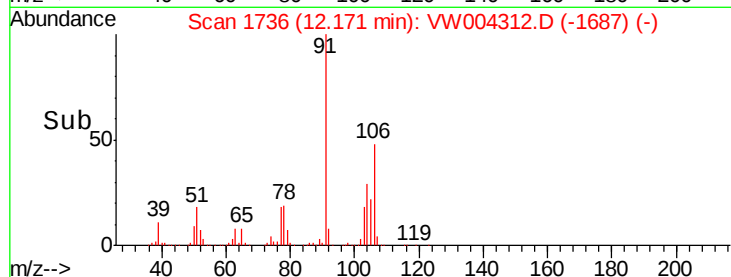
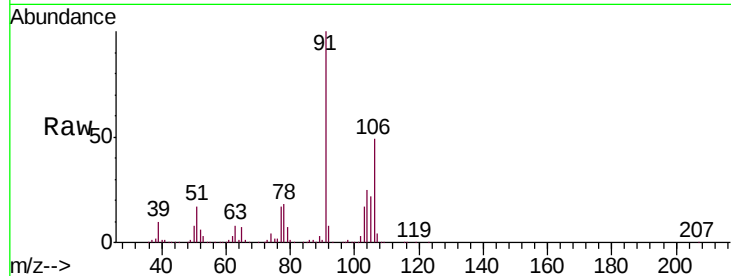
#69  
o-Xylene  
Concen: 106.40 ug/l  
RT: 12.17 min Scan# 1736  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 210.7 | 108.7 | 326.1 |

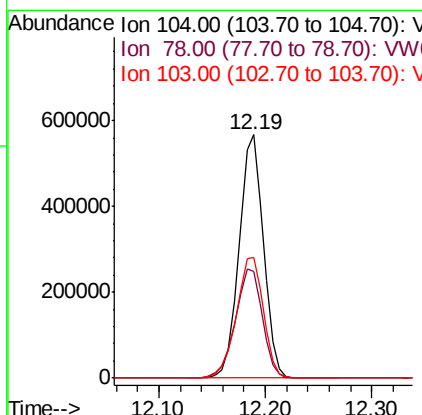
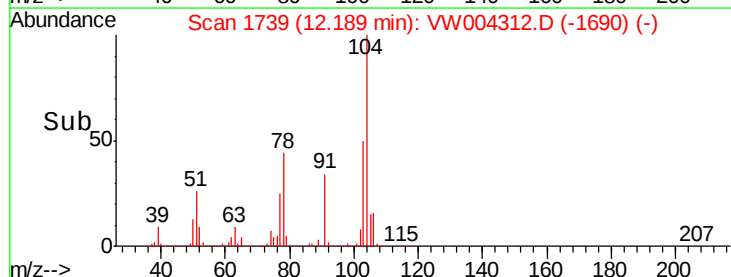
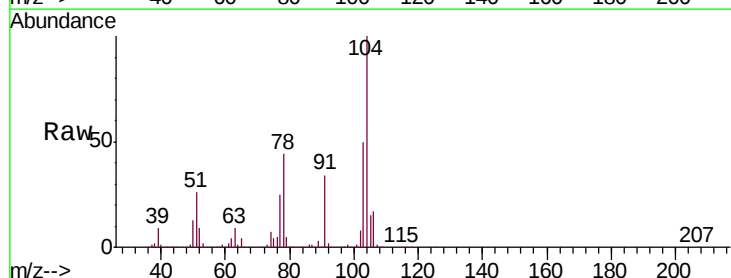
Manual Integrations  
APPROVED

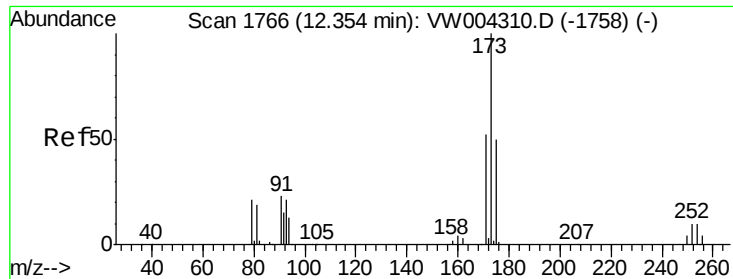
apatel  
7/30/2018 10:32:35 AM



#70  
Styrene  
Concen: 105.60 ug/l  
RT: 12.19 min Scan# 1739  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.8  | 40.9  | 61.3  |
| 103     | 55.0  | 45.0  | 67.6  |





#71

Bromoform

Concen: 101.71 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

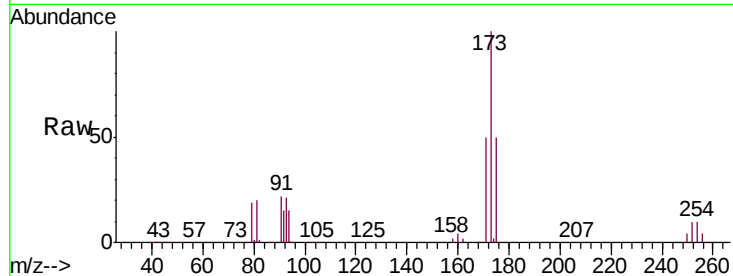
ClientSampled :

VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.0  | 24.5  | 73.5  |
| 254     | 0.1   | 0.2   | 0.2   |

Manual Integrations  
APPROVED

apatel  
7/30/2018 10:32:35 AM

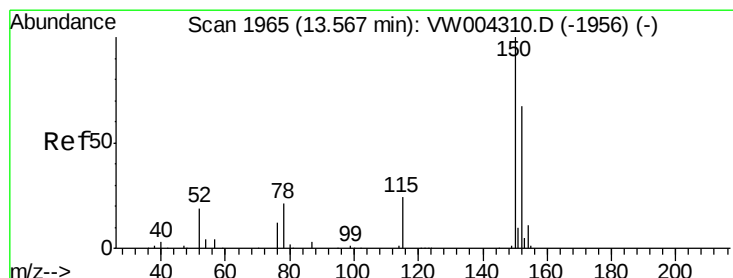
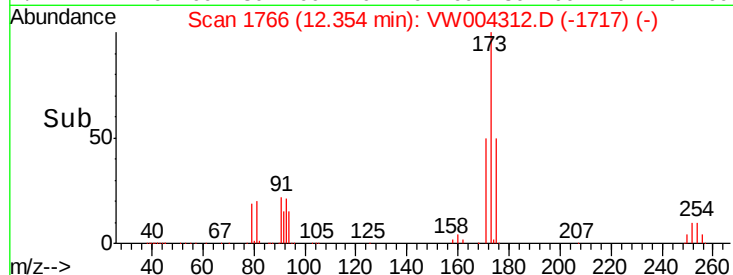
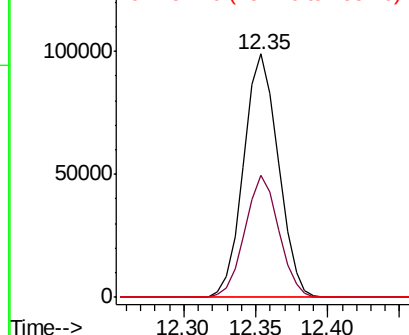


Abundance

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

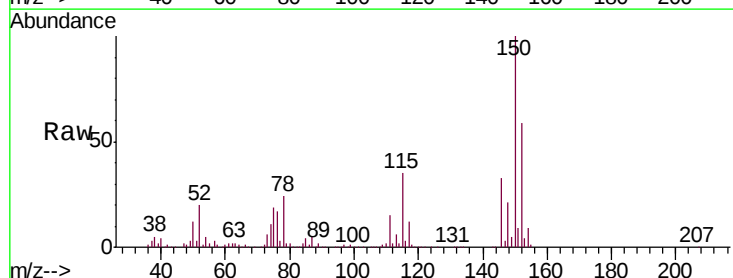
RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.0  | 28.8  | 86.4  |
| 150     | 192.9 | 0.0   | 346.4 |

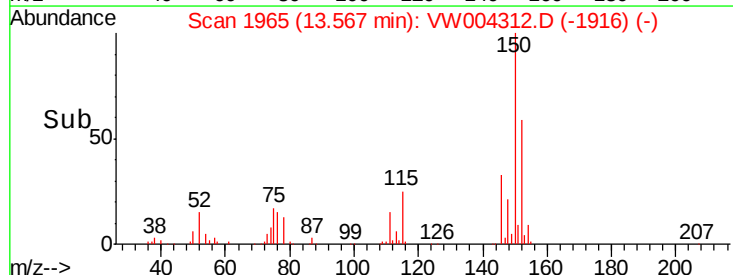
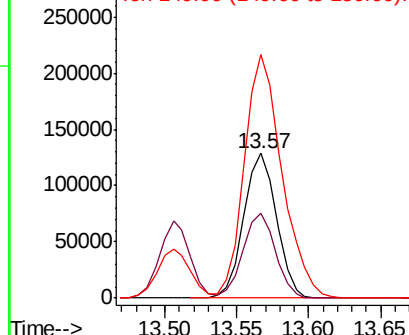


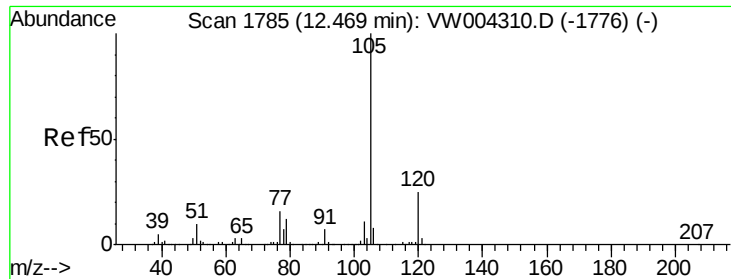
Abundance

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





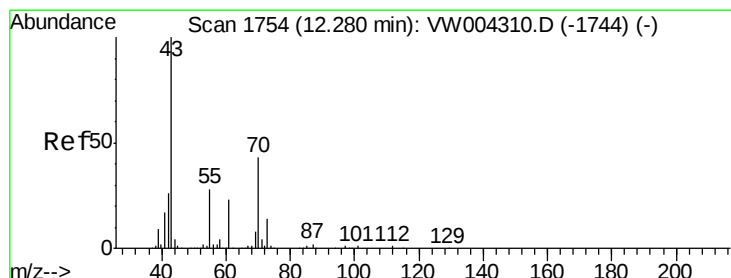
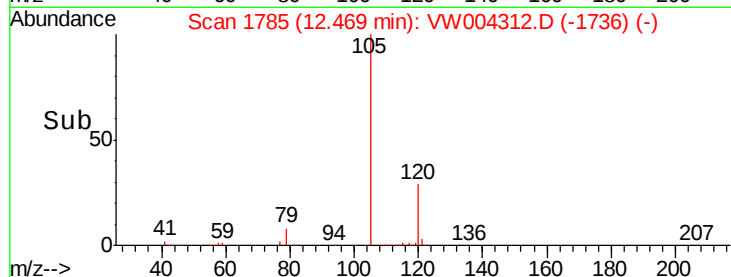
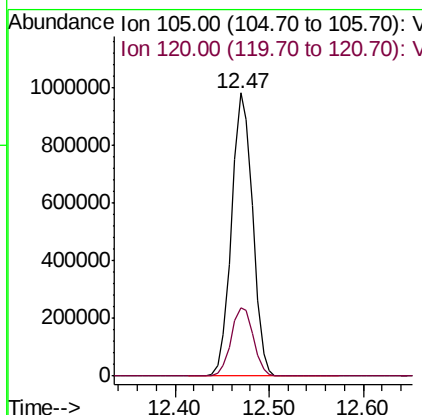
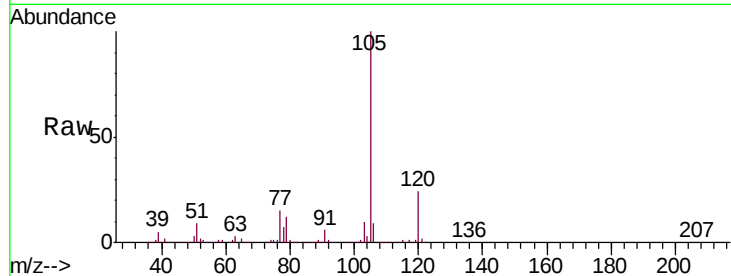
#73  
Isopropylbenzene  
Concen: 108.12 ug/l  
RT: 12.47 min Scan# 1785  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC100

Tot Ion:105 Resp: 1523108  
Ion Ratio Lower Upper  
105 100  
120 25.4 13.2 39.6

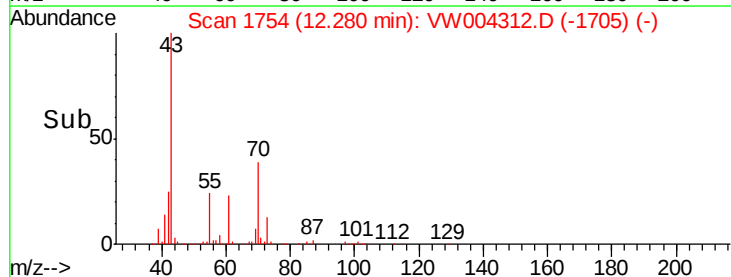
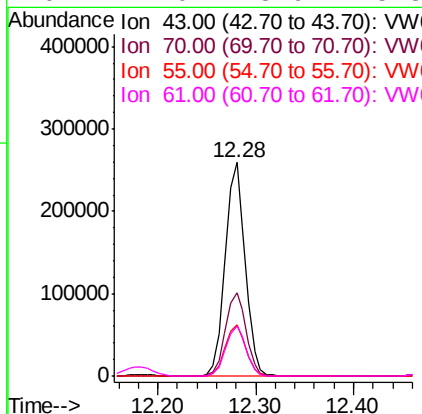
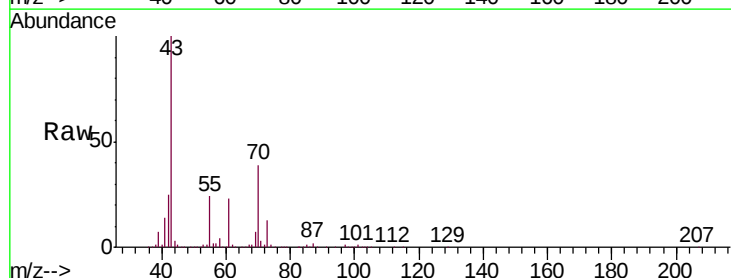
Manual Integrations  
APPROVED

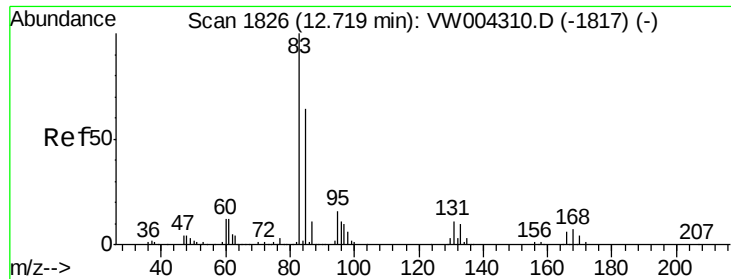
apatel  
7/30/2018 10:32:35 AM



#74  
N-ethyl acetate  
Concen: 119.83 ug/l  
RT: 12.28 min Scan# 1754  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Tgt Ion: 43 Resp: 365791  
Ion Ratio Lower Upper  
43 100  
70 40.9 34.2 51.4  
55 25.1 21.8 32.8  
61 24.0 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 107.58 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

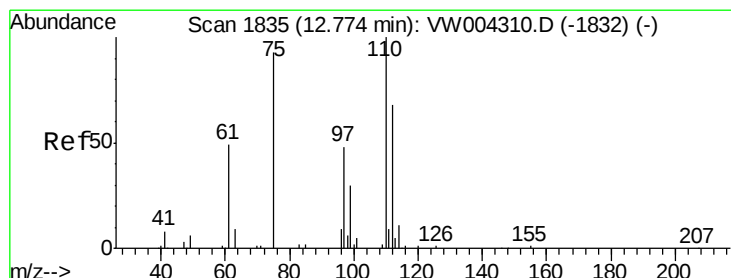
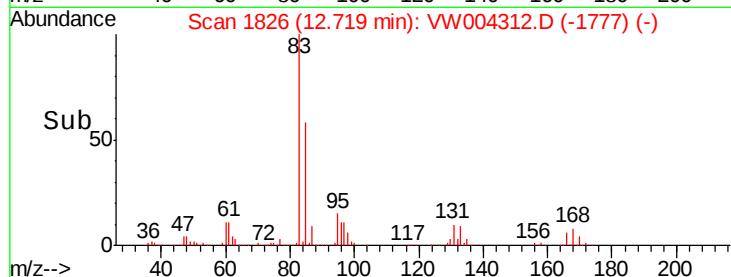
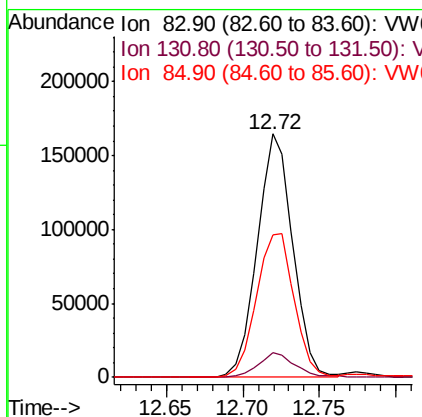
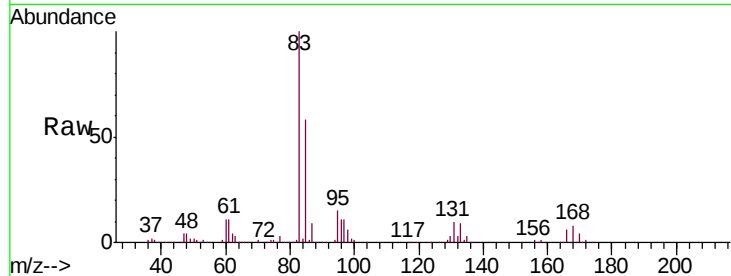
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 265480 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.5  | 5.5   | 16.4   |
| 85        | 62.9  | 31.9  | 95.9   |

Manual Integrations  
APPROVED

apatel  
7/30/2018 10:32:35 AM



#76

1,2,3-Trichloropropane

Concen: 57.27 ug/l m

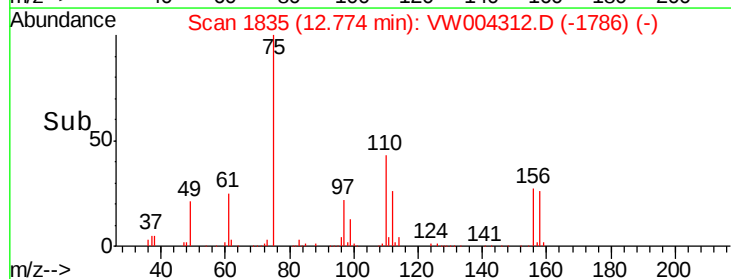
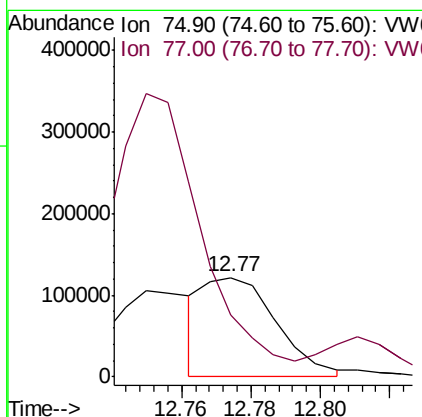
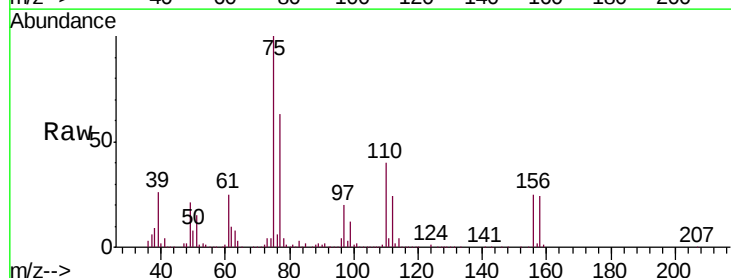
RT: 12.77 min Scan# 1835

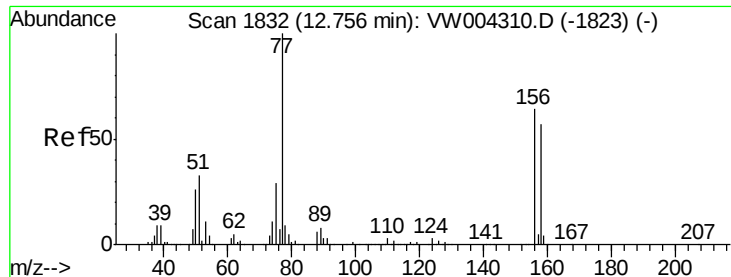
Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 177339 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 100.67 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC100

Tot Ion:156 Resp: 342655

Ion Ratio Lower Upper

156 100

77 188.3 92.9 278.7

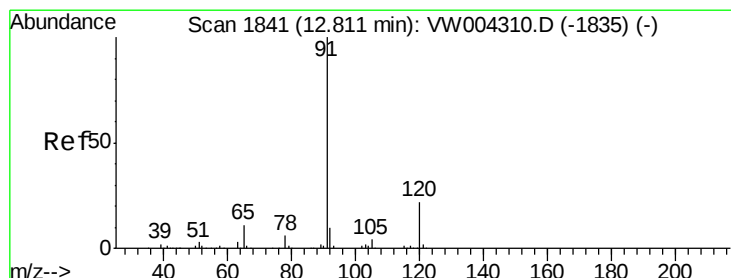
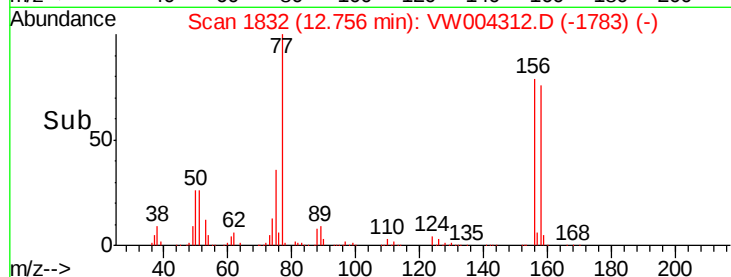
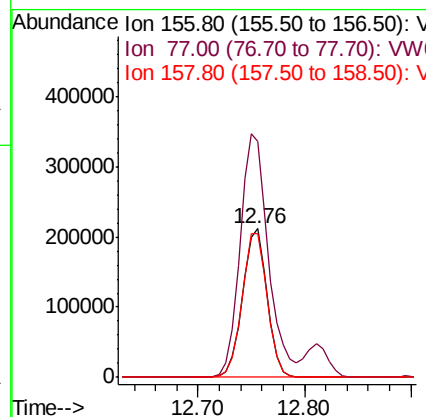
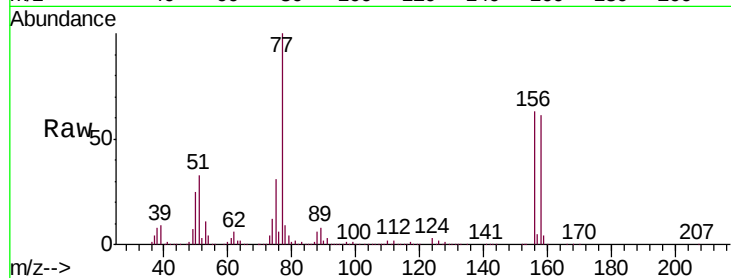
158 98.9 47.6 142.8

Manual Integrations

APPROVED

apatel

7/30/2018 10:32:35 AM



#78

n-propylbenzene

Concen: 106.37 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004312.D

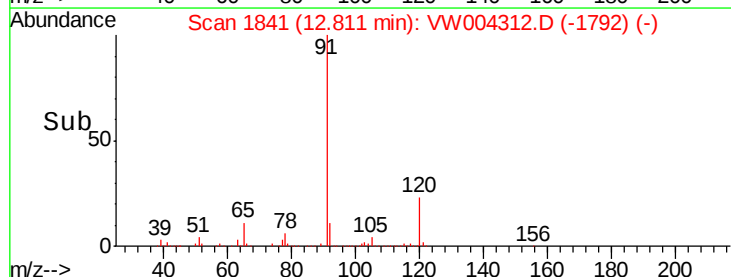
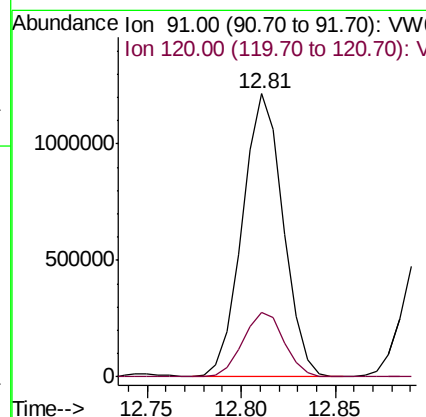
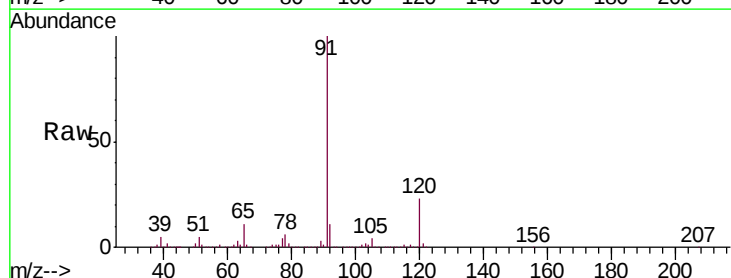
Acq: 29 Jul 2018 13:55

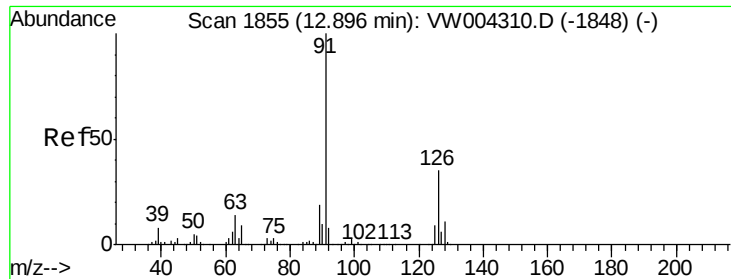
Tgt Ion: 91 Resp: 1825570

Ion Ratio Lower Upper

91 100

120 23.0 11.3 33.8





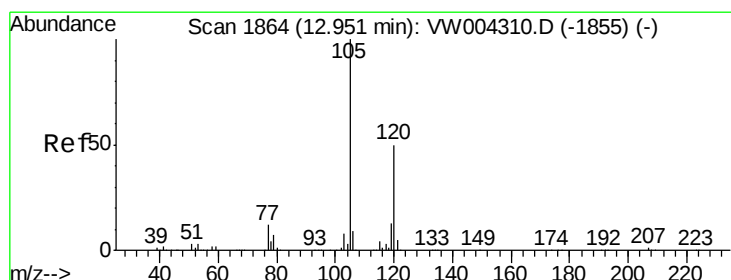
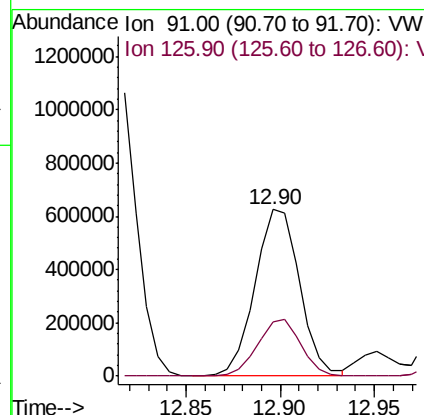
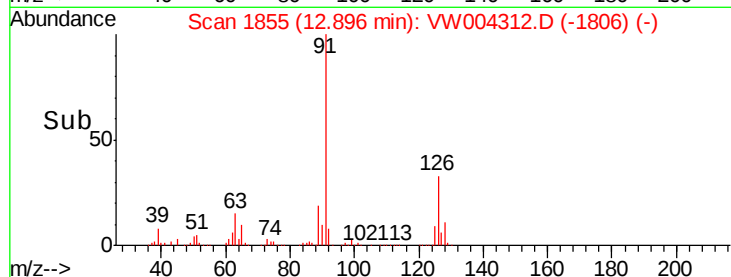
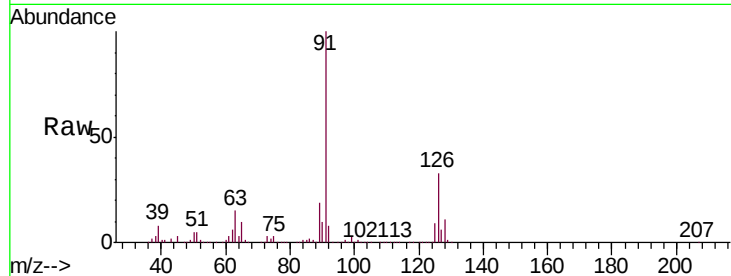
#79  
 2-Chlorotoluene  
 Concen: 104.89 ug/l  
 RT: 12.90 min Scan# 1855  
 Delta R.T. 0.00 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

Tot Ion: 91 Resp: 1029595  
 Ion Ratio Lower Upper  
 91 100  
 126 33.1 17.1 51.2

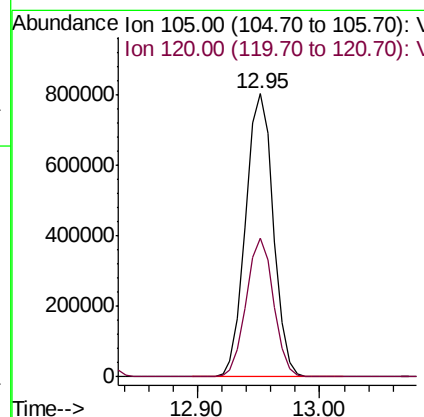
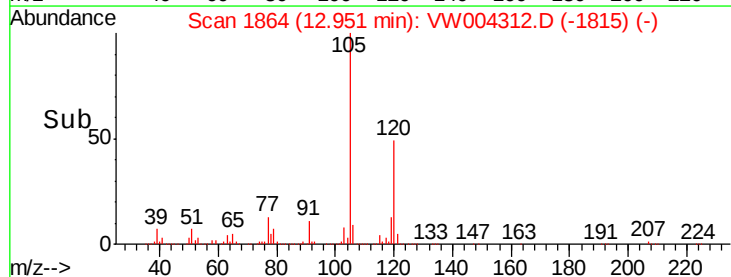
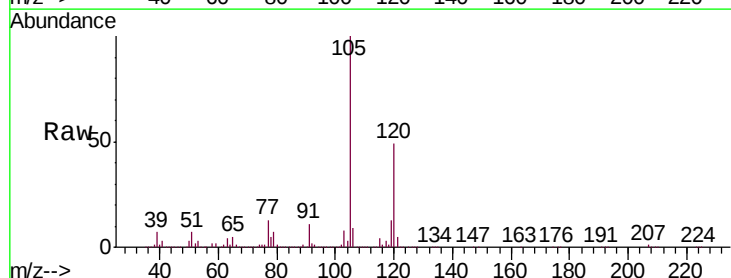
Manual Integrations  
 APPROVED

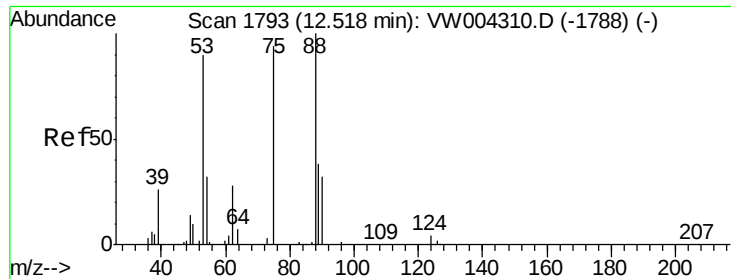
apatel  
 7/30/2018 10:32:35 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 103.74 ug/l  
 RT: 12.95 min Scan# 1864  
 Delta R.T. 0.00 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

Tgt Ion: 105 Resp: 1259022  
 Ion Ratio Lower Upper  
 105 100  
 120 48.3 25.1 75.2





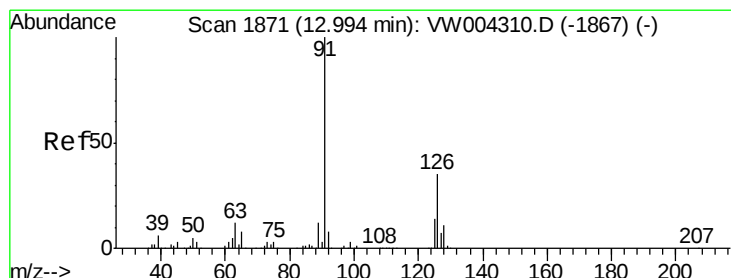
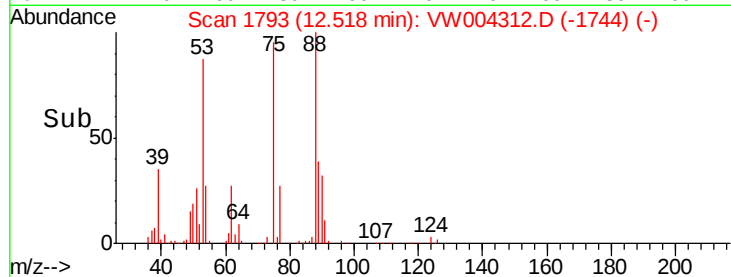
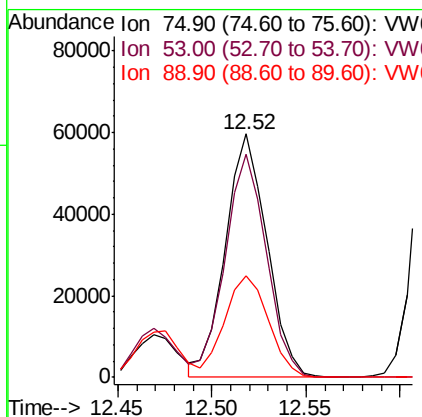
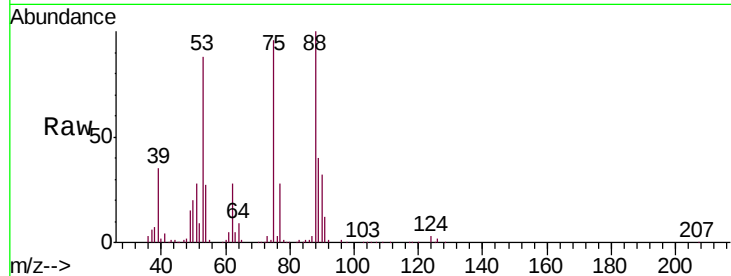
#81  
trans-1,4-Dichloro-2-butene  
Concen: 113.71 ug/l  
RT: 12.52 min Scan# 1793  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 92.3  | 77.6  | 116.4 |
| 89      | 43.9  | 36.0  | 54.0  |

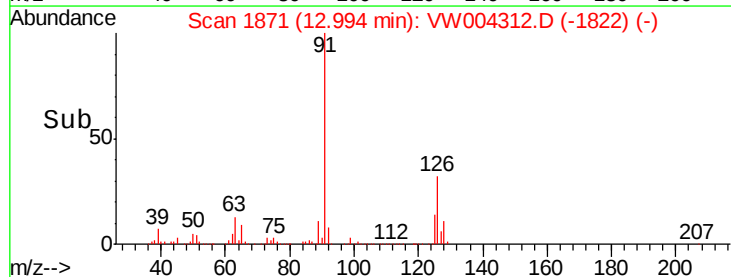
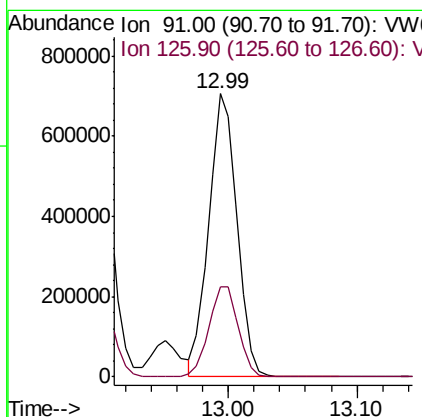
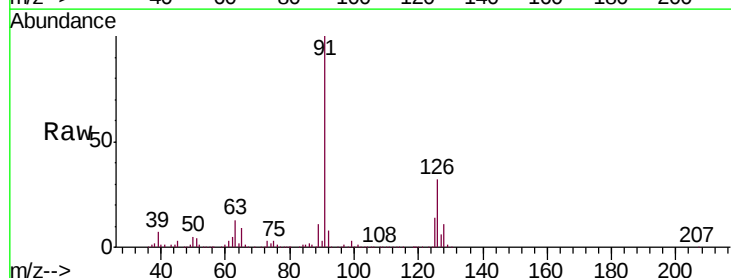
Manual Integrations  
APPROVED

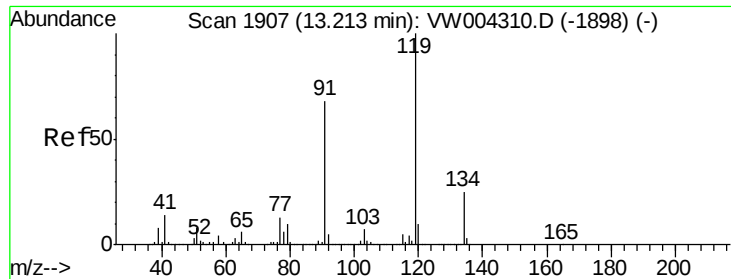
apatel  
7/30/2018 10:32:35 AM



#82  
4-Chlorotoluene  
Concen: 103.89 ug/l  
RT: 12.99 min Scan# 1871  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.5  | 17.4  | 52.3  |





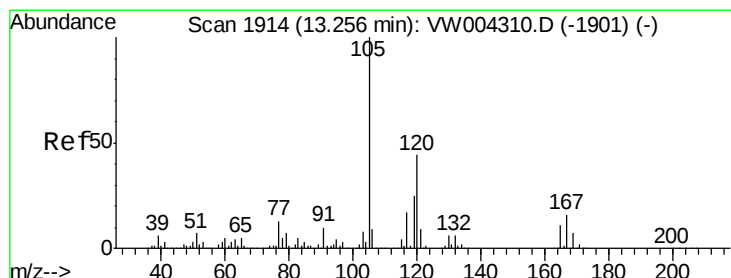
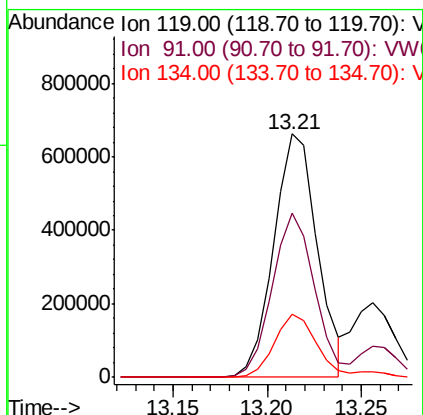
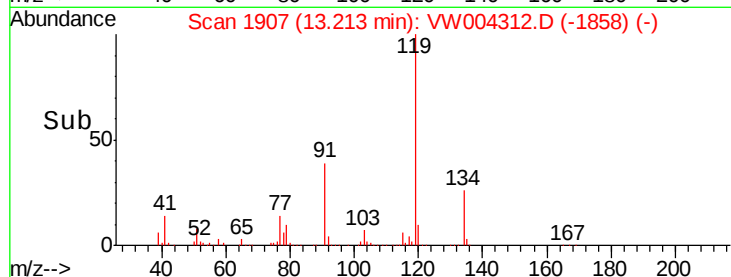
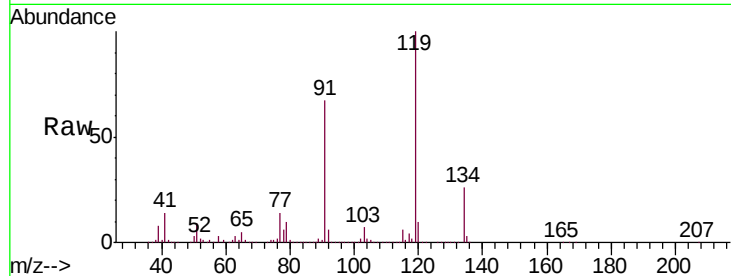
#83  
tert-Butylbenzene  
Concen: 104.76 ug/l  
RT: 13.21 min Scan# 1907  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 119     | 100  |       |       |       |
| 91      | 66.6 | 32.8  | 98.3  |       |
| 134     | 26.8 | 12.2  | 36.6  |       |

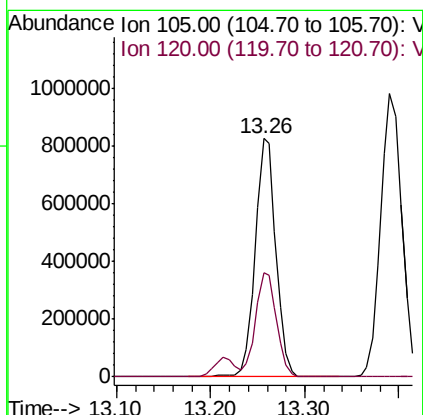
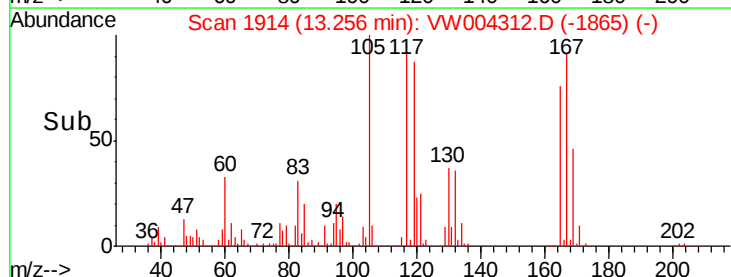
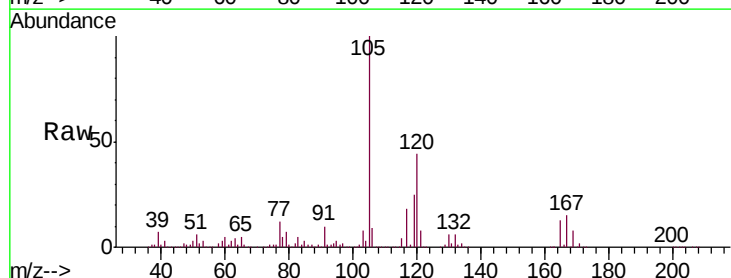
Manual Integrations  
APPROVED

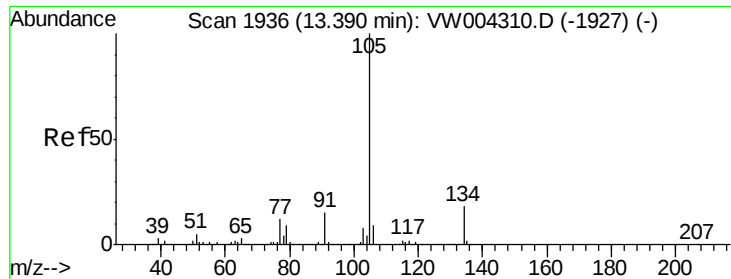
apatel  
7/30/2018 10:32:35 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 103.67 ug/l  
RT: 13.26 min Scan# 1914  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 105     | 100  |       |       |       |
| 120     | 44.2 | 22.7  | 68.0  |       |





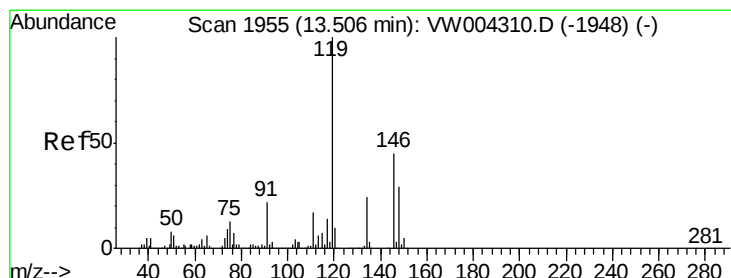
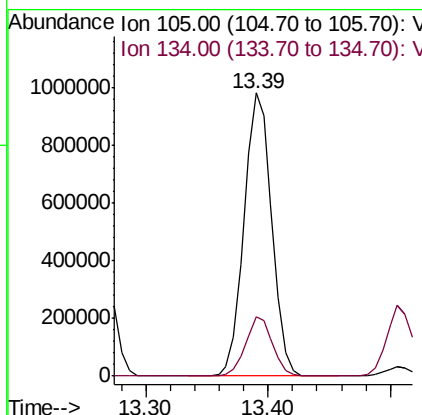
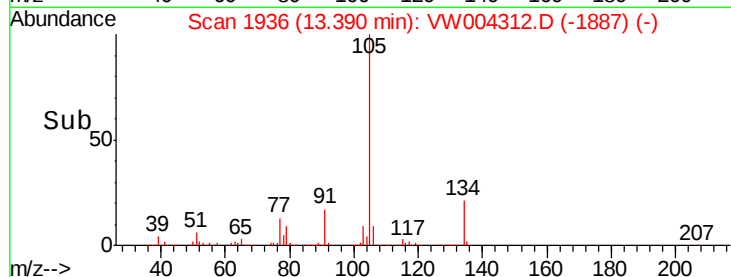
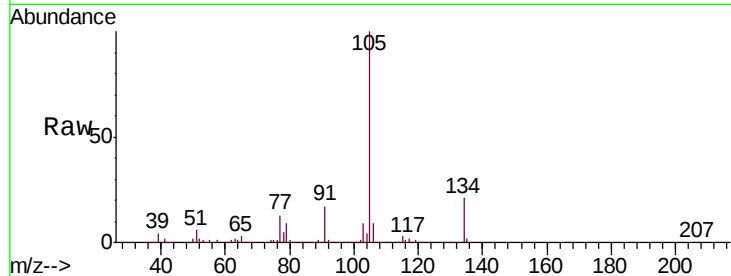
#85  
 sec-Butylbenzene  
 Concen: 103.94 ug/l  
 RT: 13.39 min Scan# 1936  
 Delta R.T. 0.00 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

Tot Ion:105 Resp: 1535092  
 Ion Ratio Lower Upper  
 105 100  
 134 20.5 9.6 28.8

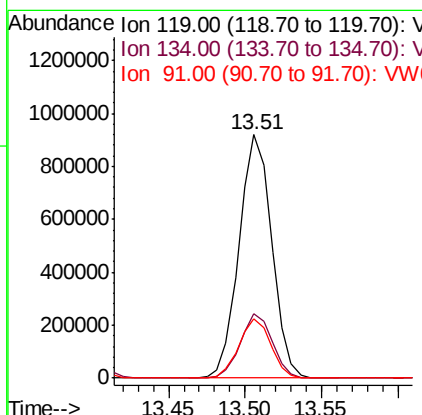
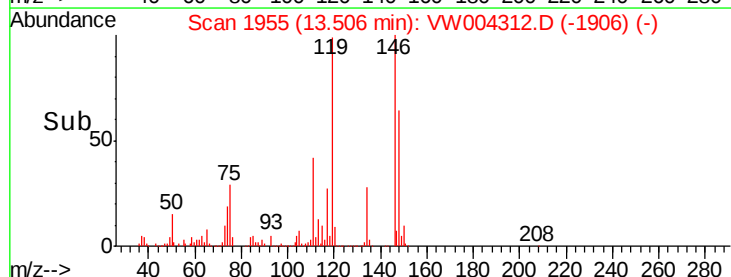
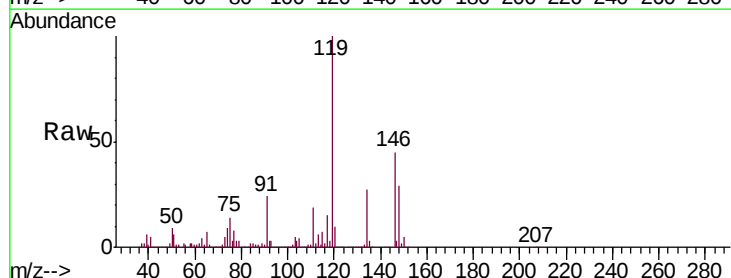
Manual Integrations  
 APPROVED

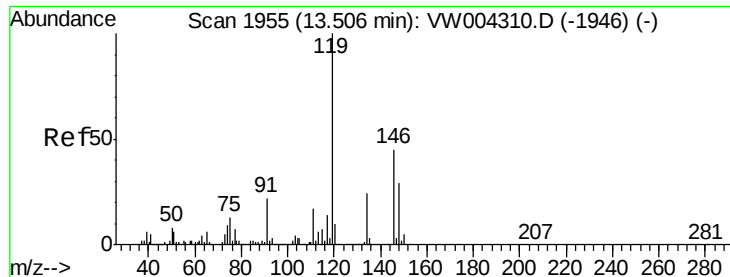
apatel  
 7/30/2018 10:32:35 AM



#86  
 p-Isopropyltoluene  
 Concen: 102.81 ug/l  
 RT: 13.51 min Scan# 1955  
 Delta R.T. 0.00 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

Tgt Ion:119 Resp: 1363643  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 12.6 37.8  
 91 23.9 11.3 33.9





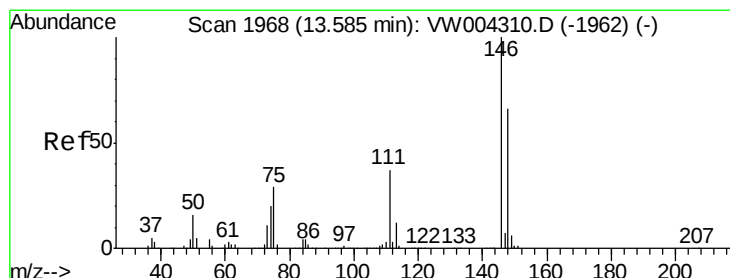
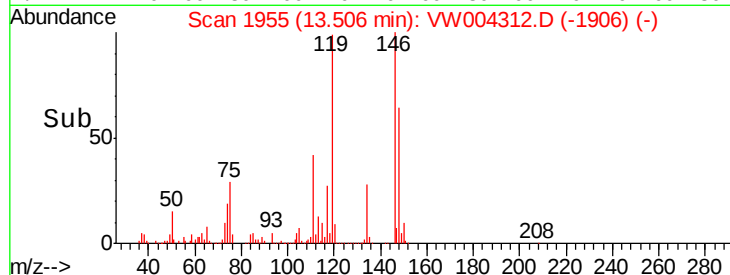
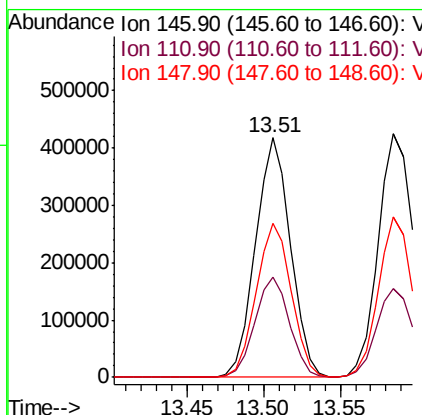
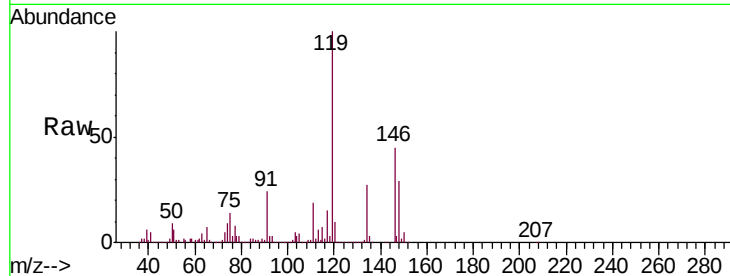
#87  
1,3-Dichlorobenzene  
Concen: 97.80 ug/l  
RT: 13.51 min Scan# 1955  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.2  | 19.9  | 59.6  |
| 148     | 64.6  | 31.9  | 95.5  |

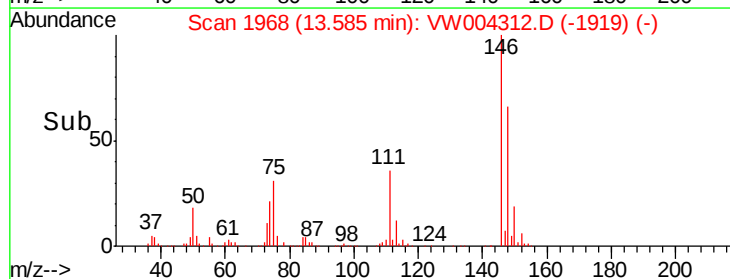
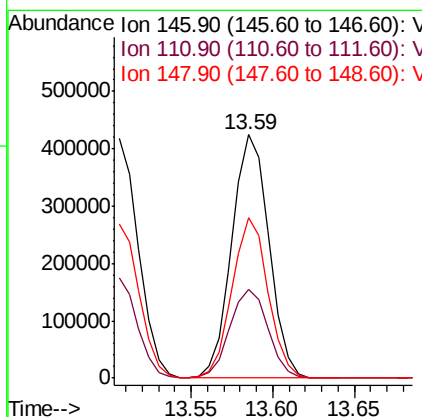
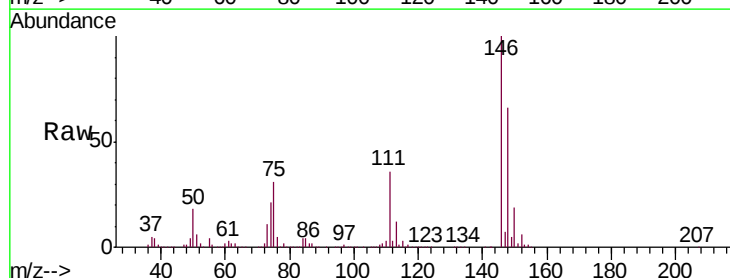
Manual Integrations  
APPROVED

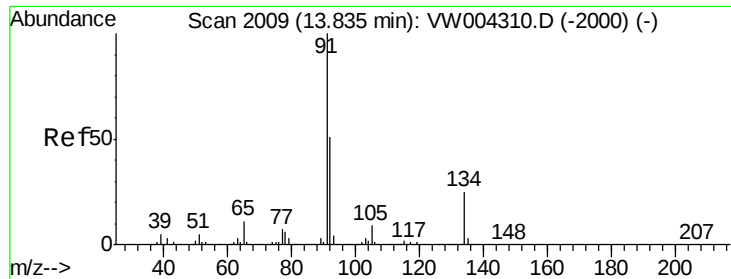
apatel  
7/30/2018 10:32:35 AM



#88  
1,4-Dichlorobenzene  
Concen: 99.34 ug/l  
RT: 13.59 min Scan# 1968  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.5  | 19.4  | 58.1  |
| 148     | 63.6  | 32.8  | 98.3  |





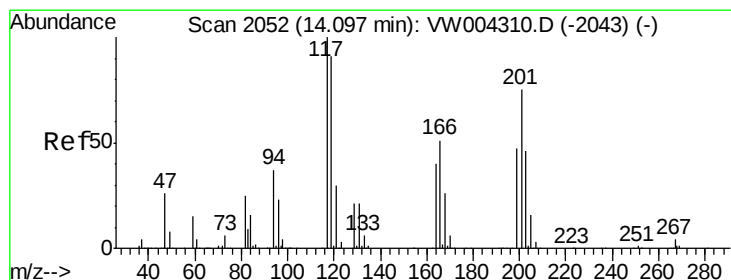
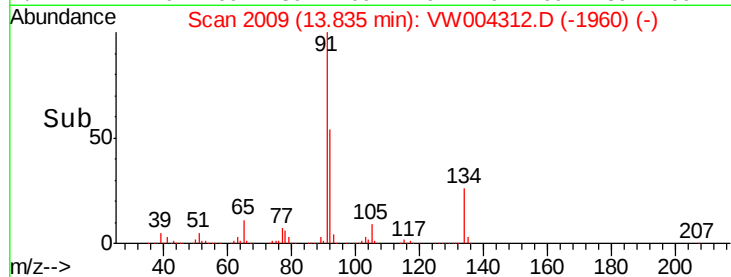
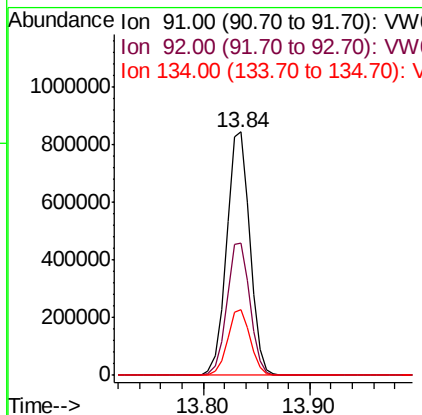
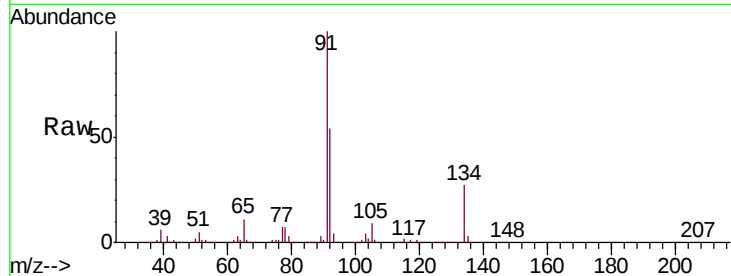
#89  
n-Butylbenzene  
Concen: 103.85 ug/l  
RT: 13.84 min Scan# 2009  
Delta R.T. 0.00 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC100

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 92      | 54.0 | 26.4  | 79.2  |       |
| 134     | 26.3 | 12.9  | 38.6  |       |

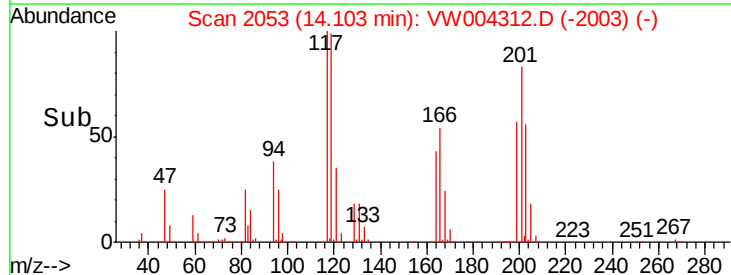
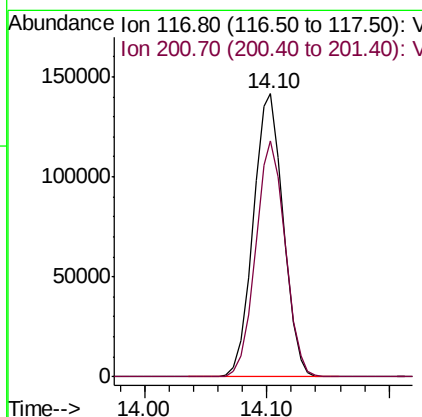
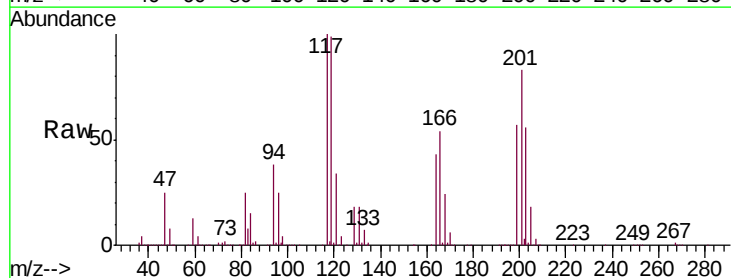
Manual Integrations  
APPROVED

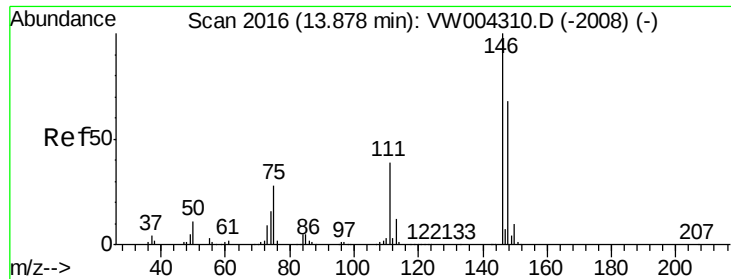
apatel  
7/30/2018 10:32:35 AM



#90  
Hexachloroethane  
Concen: 102.16 ug/l  
RT: 14.10 min Scan# 2053  
Delta R.T. 0.01 min  
Lab File: VW004312.D  
Acq: 29 Jul 2018 13:55

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 117     | 100  |       |       |       |
| 201     | 82.0 | 41.5  | 124.5 |       |





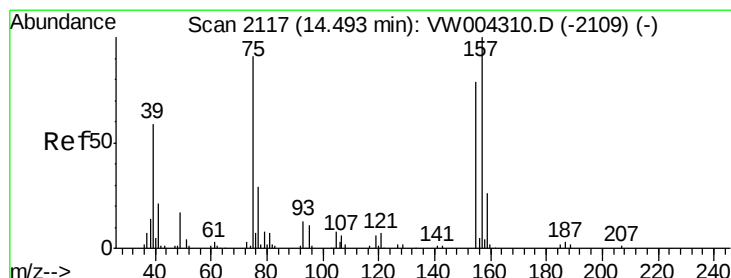
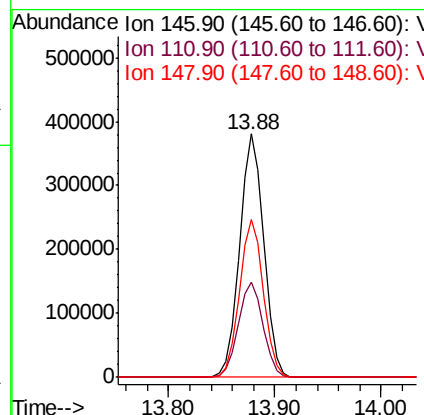
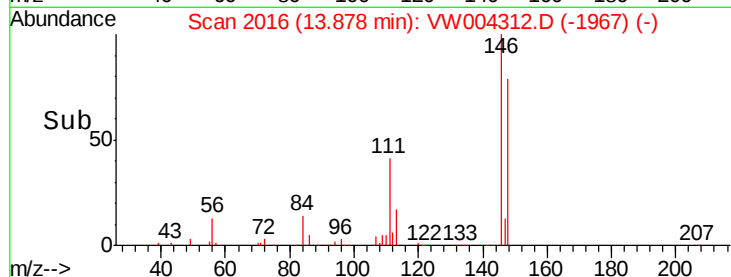
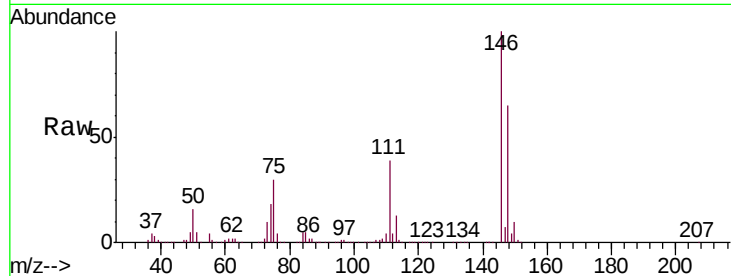
#91  
 1,2-Dichlorobenzene  
 Concen: 99.13 ug/l  
 RT: 13.88 min Scan# 2016  
 Delta R.T. 0.00 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.2  | 19.7  | 59.1  |
| 148     | 64.2  | 32.0  | 96.0  |

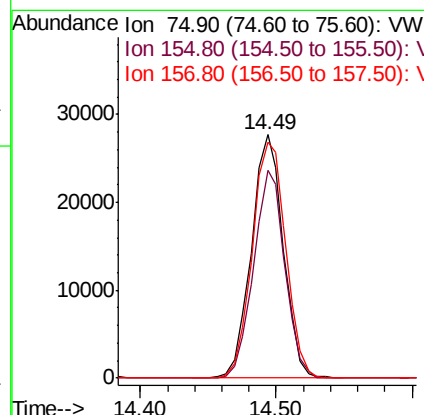
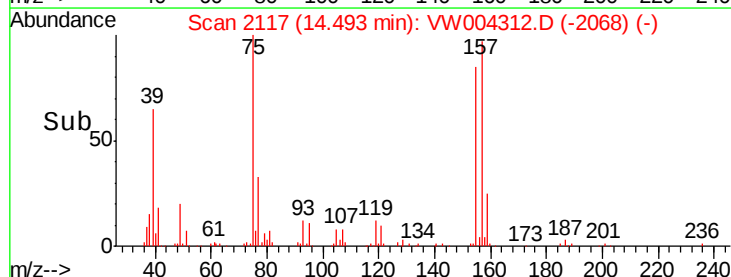
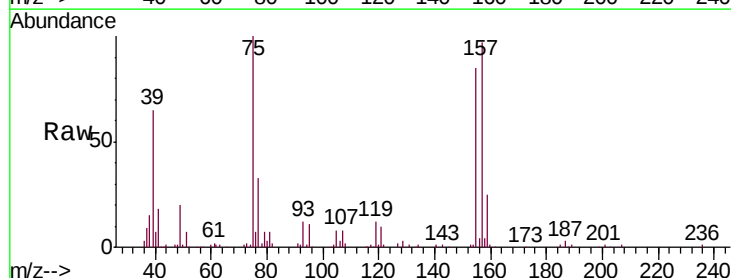
Manual Integrations  
 APPROVED

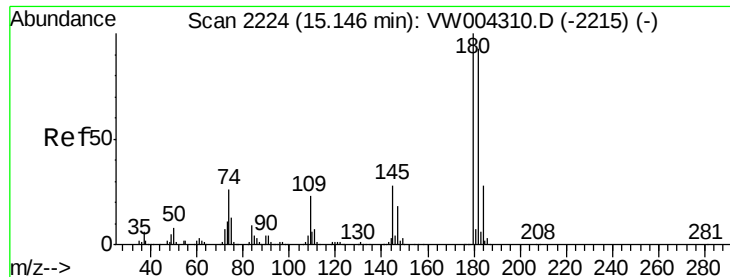
apatel  
 7/30/2018 10:32:35 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 105.43 ug/l  
 RT: 14.49 min Scan# 2117  
 Delta R.T. 0.00 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 83.9  | 41.4  | 124.4 |
| 157     | 101.8 | 55.2  | 165.6 |





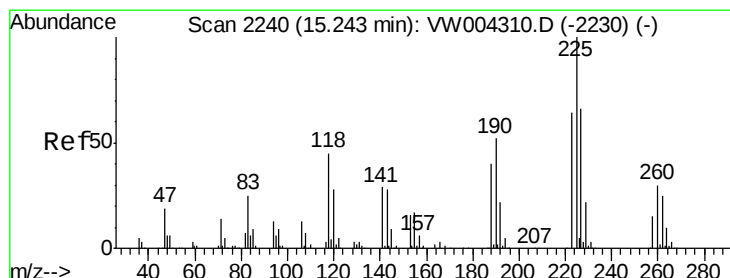
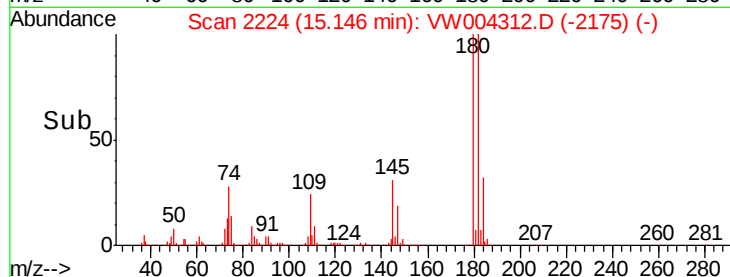
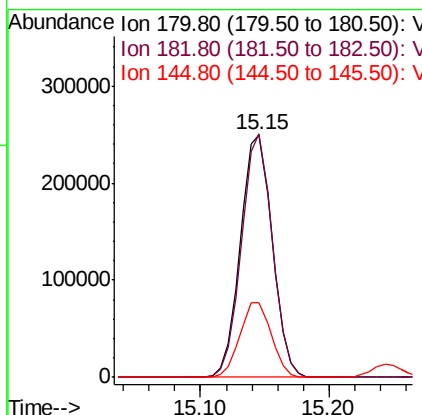
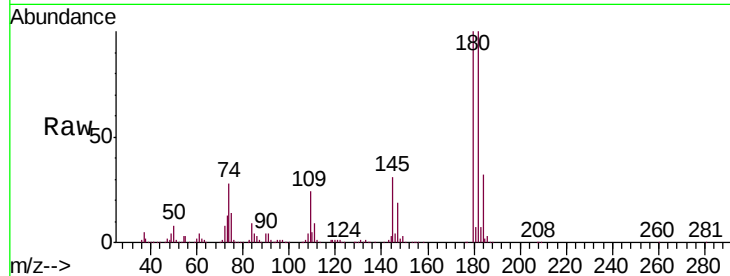
#93  
 1,2,4-Trichlorobenzene  
 Concen: 99.38 ug/l  
 RT: 15.15 min Scan# 2224  
 Delta R.T. 0.00 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 425556 |       |       |
| 182     | 96.8  | 47.3   | 141.8 |       |
| 145     | 30.7  | 14.8   | 44.4  |       |

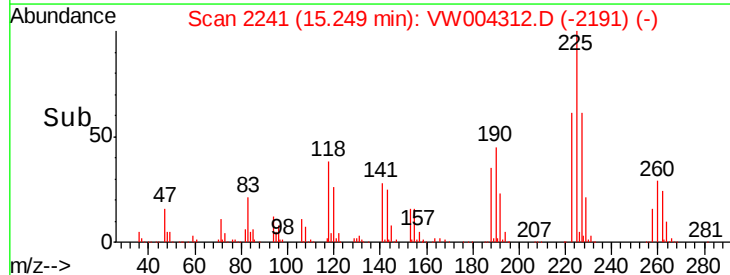
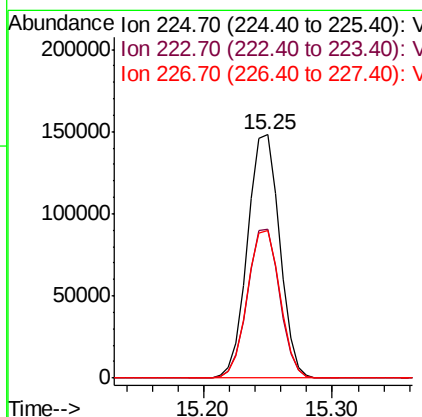
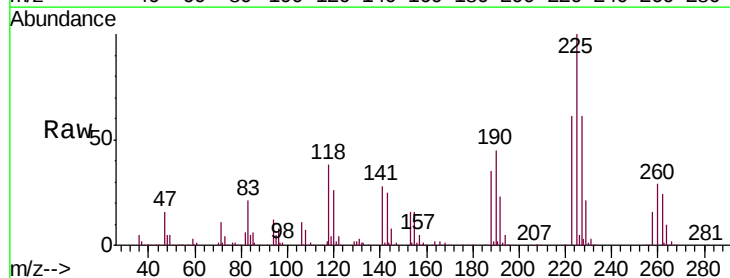
Manual Integrations  
 APPROVED

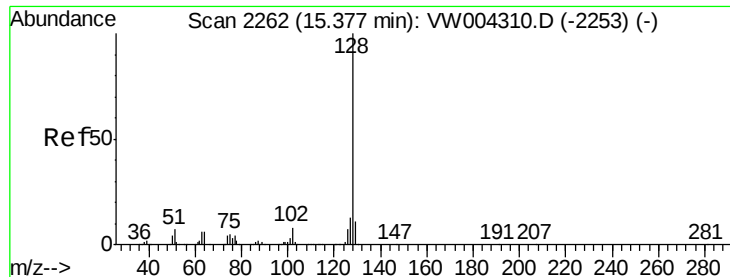
apatel  
 7/30/2018 10:32:35 AM



#94  
 Hexachlorobutadiene  
 Concen: 97.13 ug/l  
 RT: 15.25 min Scan# 2241  
 Delta R.T. 0.01 min  
 Lab File: VW004312.D  
 Acq: 29 Jul 2018 13:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 254108 |       |       |
| 223     | 61.2  | 31.0   | 93.0  |       |
| 227     | 62.0  | 32.6   | 97.7  |       |





#95

Naphthalene

Concen: 110.15 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

Instrument :

MSVOA\_W

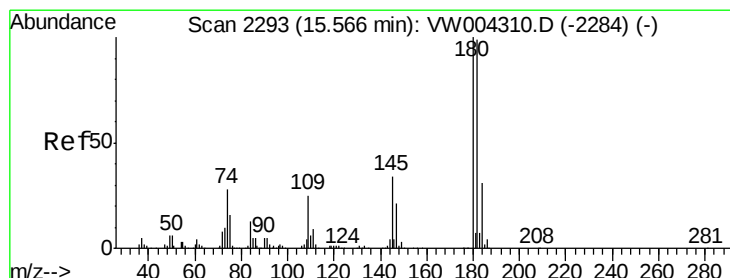
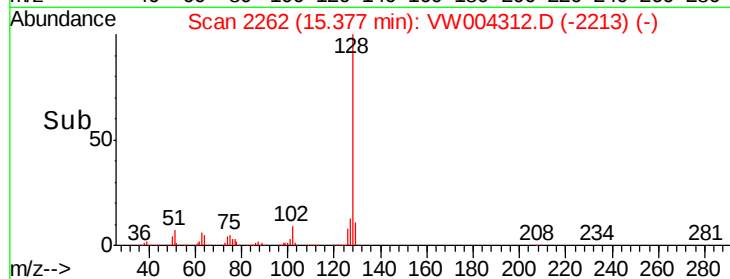
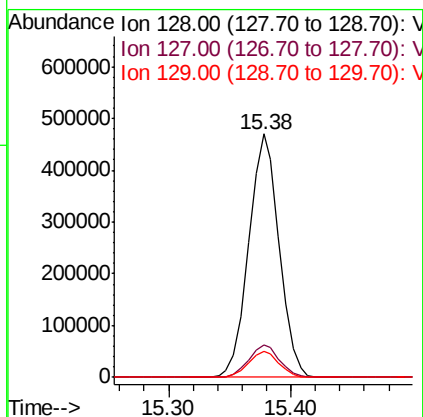
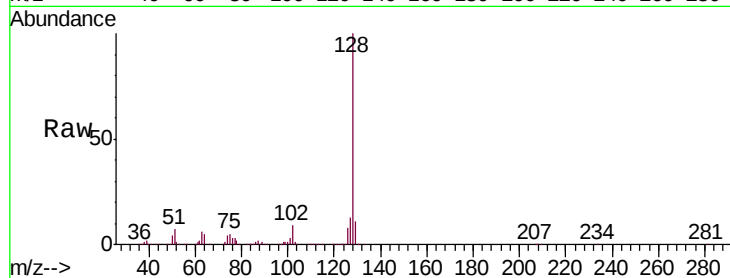
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 811446 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.4  | 10.4  | 15.6   |
| 129       | 10.8  | 8.6   | 13.0   |

Manual Integrations  
APPROVED

apatel  
7/30/2018 10:32:35 AM



#96

1,2,3-Trichlorobenzene

Concen: 100.51 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004312.D

Acq: 29 Jul 2018 13:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 376612 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.7  | 48.0  | 144.0  |
| 145       | 32.2  | 16.2  | 48.5   |

