

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011020\  
 Data File : VW014598.D  
 Acq On : 10 Jan 2020 14:40  
 Operator : SY/VA  
 Sample : VW0110SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0110SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 1/13/2020 12:01:38 PM

Quant Time: Jan 11 04:11:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 03 16:07:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 743226   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 1085079  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 936380   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 466081   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 312154   | 48.04 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.08% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 308374   | 49.73 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.46% |      |
| 50) Toluene-d8            | 10.32  | 98  | 1279449  | 49.44 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.88% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 438700   | 49.98 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.96% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 79873   | 19.034  | ug/l | 99     |
| 3) Chloromethane              | 2.21 | 50  | 109824  | 21.381  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.35 | 62  | 165507  | 21.907  | ug/l | 97     |
| 5) Bromomethane               | 2.76 | 94  | 100139  | 21.457  | ug/l | 99     |
| 6) Chloroethane               | 2.92 | 64  | 92381   | 21.451  | ug/l | 96     |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 73685   | 19.493  | ug/l | 95     |
| 8) Diethyl Ether              | 3.68 | 74  | 77187   | 20.523  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 153064  | 21.672  | ug/l | 98     |
| 10) Methyl Iodide             | 4.27 | 142 | 219118  | 20.562  | ug/l | 100    |
| 11) Tert butyl alcohol        | 5.17 | 59  | 53526   | 92.373  | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 155474  | 21.021  | ug/l | 97     |
| 13) Acrolein                  | 3.89 | 56  | 53409   | 94.169  | ug/l | 99     |
| 14) Allyl chloride            | 4.66 | 41  | 234091  | 20.711  | ug/l | 99     |
| 15) Acrylonitrile             | 5.36 | 53  | 180180  | 104.809 | ug/l | 99     |
| 16) Acetone                   | 4.12 | 43  | 182517  | 99.472  | ug/l | 97     |
| 17) Carbon Disulfide          | 4.38 | 76  | 445876  | 20.001  | ug/l | 100    |
| 18) Methyl Acetate            | 4.66 | 43  | 92339   | 20.837  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 202394  | 22.045  | ug/l | 98     |
| 20) Methylene Chloride        | 4.92 | 84  | 175055  | 20.964  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 167891  | 21.378  | ug/l | 99     |
| 22) Diisopropyl ether         | 6.31 | 45  | 450629  | 21.301  | ug/l | 100    |
| 23) Vinyl Acetate             | 6.25 | 43  | 1305031 | 102.156 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 280935  | 21.052  | ug/l | 98     |
| 25) 2-Butanone                | 7.17 | 43  | 244480  | 103.826 | ug/l | 97     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 159086  | 21.532  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 171298  | 20.758  | ug/l | 98     |
| 28) Bromochloromethane        | 7.51 | 49  | 97330   | 18.604  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.52 | 42  | 151868  | 104.107 | ug/l | 99     |
| 30) Chloroform                | 7.67 | 83  | 262628  | 21.046  | ug/l | 100    |
| 31) Cyclohexane               | 7.95 | 56  | 288539  | 20.806  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 214077  | 21.330  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 227555  | 21.753  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.25 | 43  | 100074  | 21.094  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 197338  | 21.745  | ug/l | 99     |

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 Acq On : 10 Jan 2020 14:40  
 Operator : SY/VA  
 Sample : VW0110SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VW0110SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 1/13/2020 12:01:38 PM

Quant Time: Jan 11 04:11:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 03 16:07:20 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 291205   | 21.692  | ug/l   | 98       |
| 40) Benzene                    | 8.32  | 78   | 646699   | 21.850  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.48  | 41   | 60963    | 23.052  | ug/l   | 92       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 164852   | 21.463  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.42  | 43   | 184357   | 21.399  | ug/l   | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 174673   | 21.810  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 157722   | 21.716  | ug/l   | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 76623    | 21.371  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.64  | 83   | 189147   | 21.368  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.43  | 41   | 89195    | 21.206  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.44  | 88   | 27869    | 415.585 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 485901   | 108.610 | ug/l   | 99       |
| 52) Toluene                    | 10.38 | 92   | 408568   | 21.943  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 194262   | 21.196  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 239582   | 21.388  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 116570   | 22.261  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 145833   | 21.429  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 202212   | 21.972  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 216235   | 104.476 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 340871   | 110.570 | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 125670   | 21.270  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 106873   | 21.501  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 161266   | 23.789  | ug/l   | 95       |
| 65) Chlorobenzene              | 11.65 | 112  | 417485   | 21.763  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 140111   | 21.692  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 762599   | 22.059  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.84 | 106  | 582479   | 44.022  | ug/l   | 98       |
| 69) o-Xylene                   | 12.16 | 106  | 268136   | 21.939  | ug/l   | 100      |
| 70) Styrene                    | 12.18 | 104  | 458904   | 22.199  | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 76524    | 21.721  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.46 | 105  | 750055   | 21.932  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 163498   | 21.322  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 133137   | 21.569  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 81447m   | 18.482  | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 172649   | 21.736  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.80 | 91   | 886738   | 22.050  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 500256   | 21.860  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 629202   | 21.912  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 42358    | 21.416  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 518260   | 21.798  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.20 | 119  | 547431   | 21.775  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 629190   | 22.019  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 767717   | 22.062  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.49 | 119  | 710942   | 22.414  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.49 | 146  | 337288   | 21.837  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 333213   | 21.852  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.82 | 91   | 646017   | 21.932  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.09 | 117  | 117019   | 21.119  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 303044   | 22.323  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 20678    | 21.154  | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011020\  
Data File : VW014598.D  
Acq On : 10 Jan 2020 14:40  
Operator : SY/VA  
Sample : VW0110SBSD01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

Manual Integrations  
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1/13/2020 12:01:38 PM

Quant Time: Jan 11 04:11:55 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 03 16:07:20 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 203464   | 22.194 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 136969   | 22.295 | ug/l  | 97       |
| 95) Naphthalene            | 15.36 | 128  | 335577   | 21.463 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 180618   | 22.603 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

ClientSampleId :

VW0110SBSD01

Tot Ion:168 Resp: 743226

Ion Ratio Lower Upper

168 100

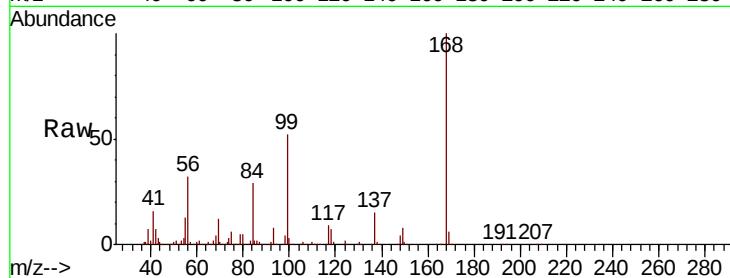
99 51.6 41.1 61.7

Manual Integrations

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1/13/2020 12:01:38 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

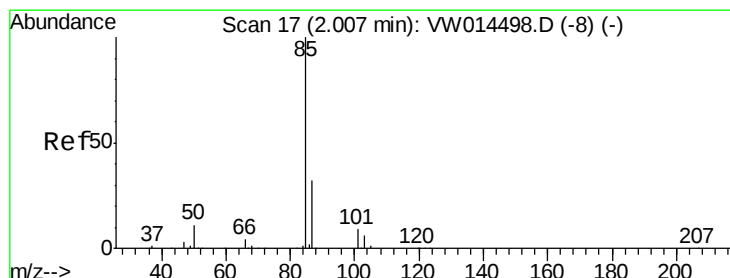
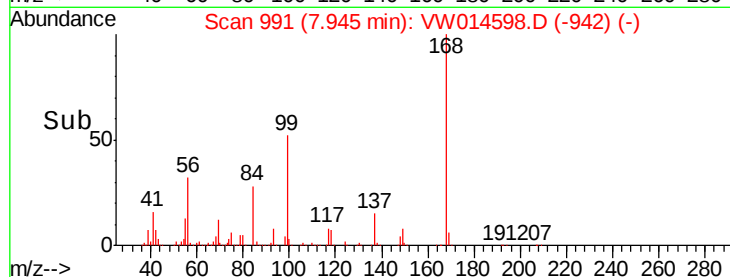
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 19.034 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014598.D

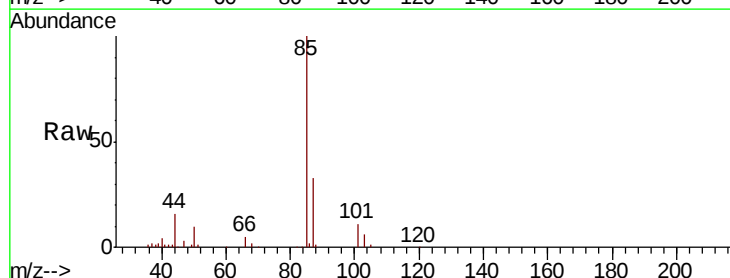
Acq: 10 Jan 2020 14:40

Tgt Ion: 85 Resp: 79873

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

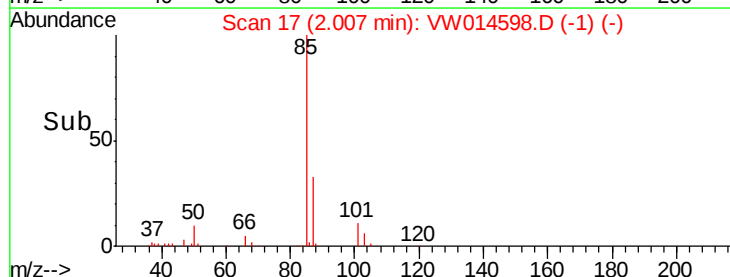
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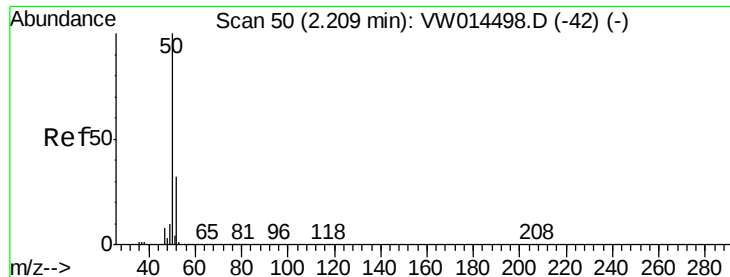
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.381 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

ClientSampleId :

VW0110SBSD01

Tot Ion: 50 Resp: 109824

Ion Ratio Lower Upper

50 100

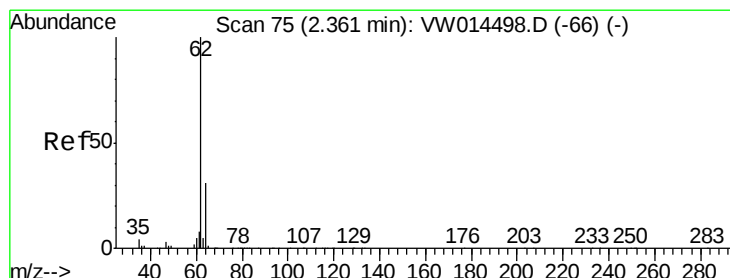
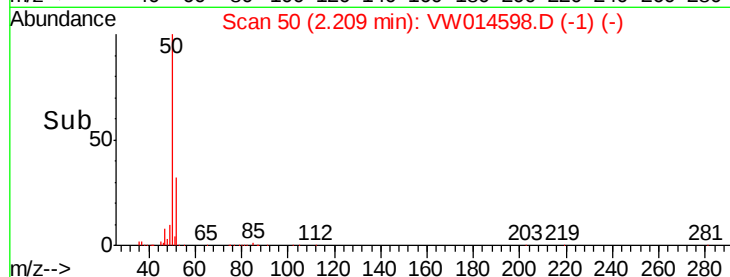
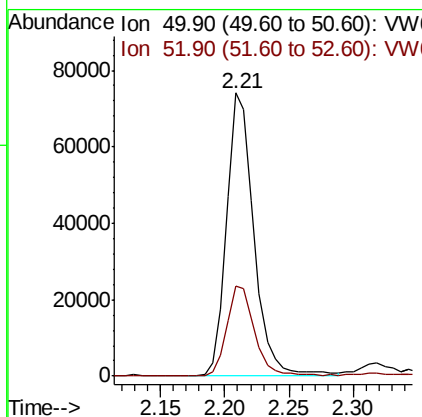
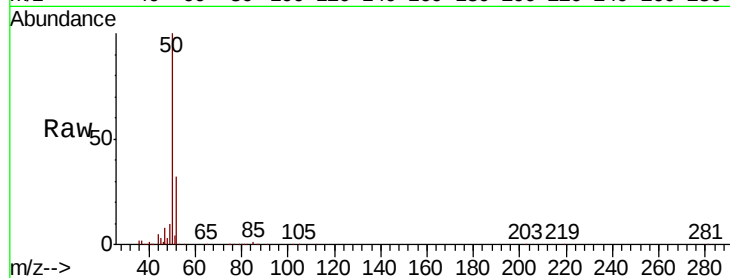
52 32.1 25.8 38.8

Manual Integrations

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1/13/2020 12:01:38 PM



#4

Vinyl Chloride

Concen: 21.907 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014598.D

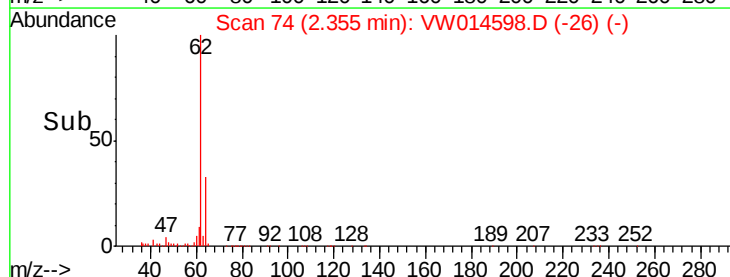
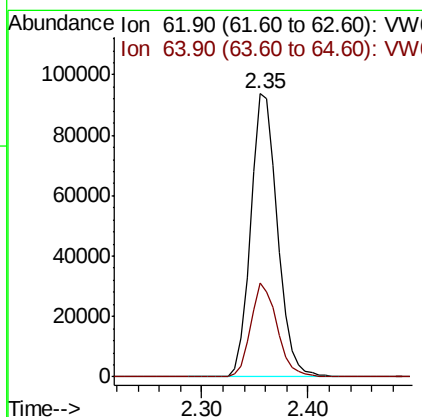
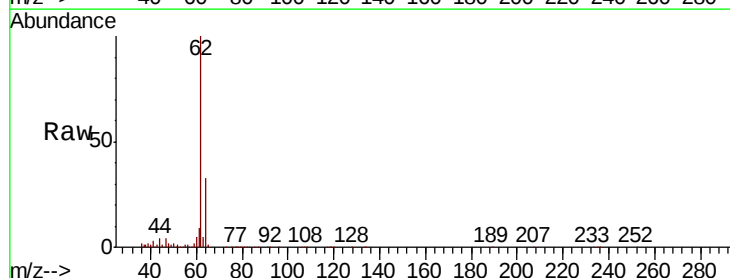
Acq: 10 Jan 2020 14:40

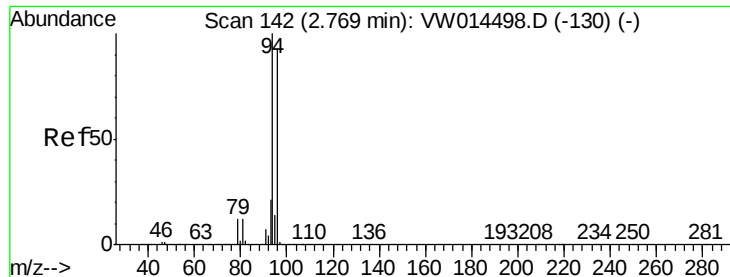
Tgt Ion: 62 Resp: 165507

Ion Ratio Lower Upper

62 100

64 33.0 25.0 37.4





#5

Bromomethane

Concen: 21.457 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

ClientSampleId :

VW0110SBSD01

Tot Ion: 94 Resp: 100139

Ion Ratio Lower Upper

94 100

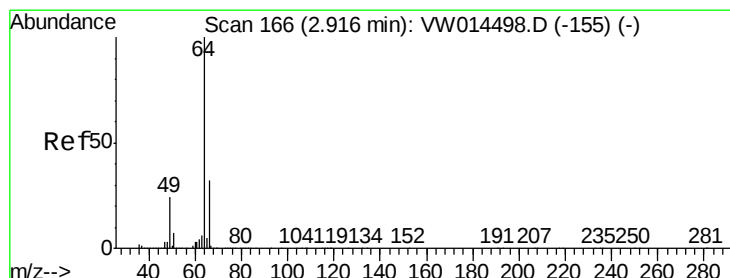
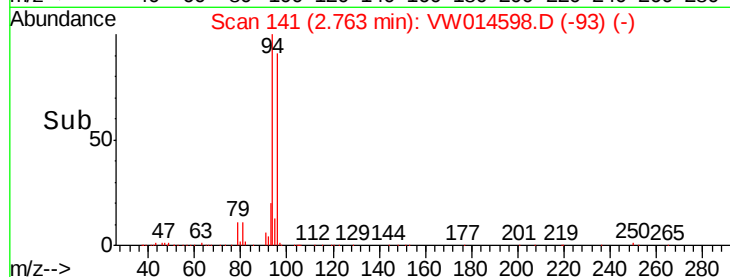
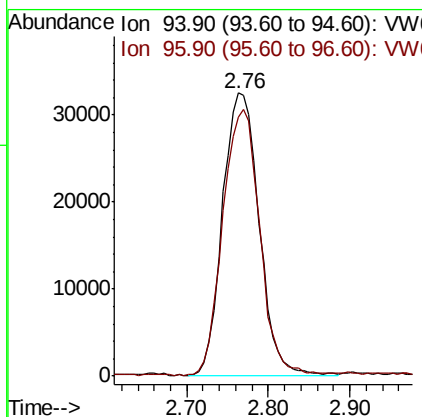
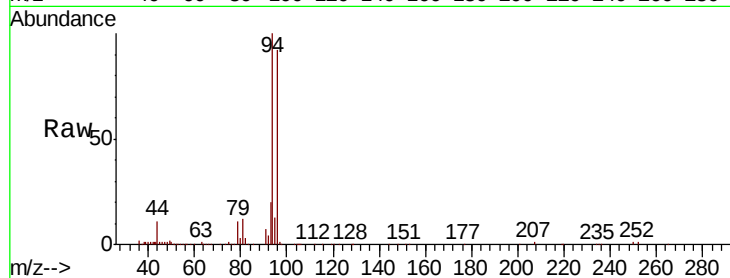
96 91.5 74.2 111.2

Manual Integrations

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1/13/2020 12:01:38 PM



#6

Chloroethane

Concen: 21.451 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014598.D

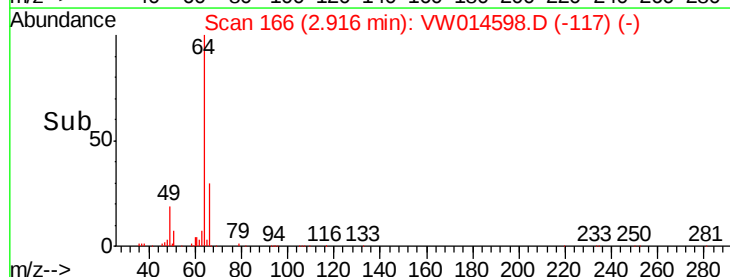
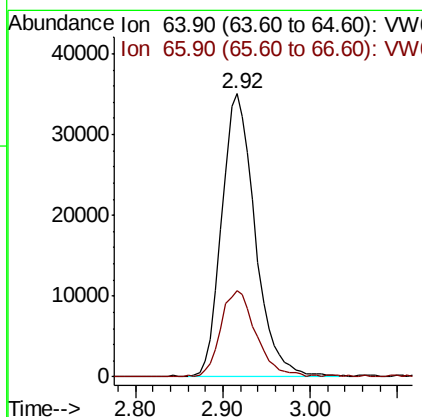
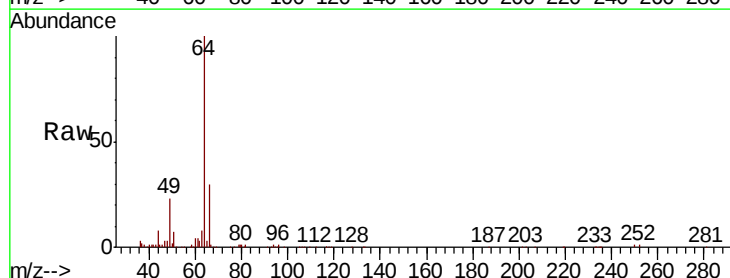
Acq: 10 Jan 2020 14:40

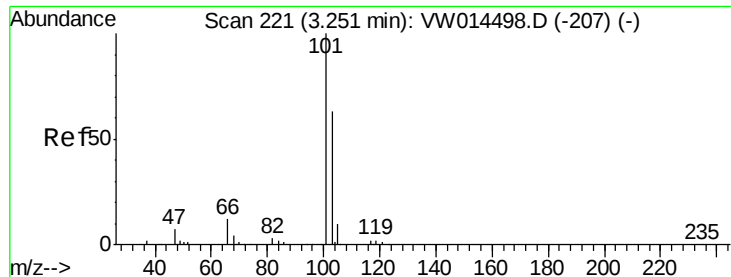
Tgt Ion: 64 Resp: 92381

Ion Ratio Lower Upper

64 100

66 29.9 25.7 38.5





#7

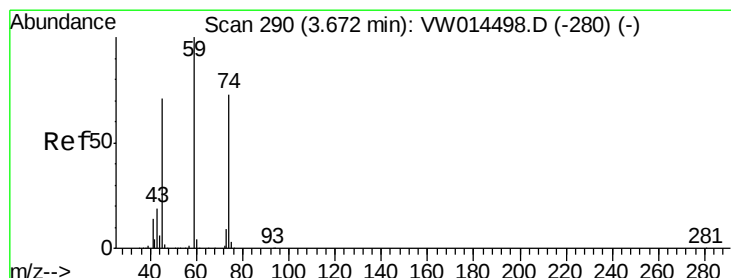
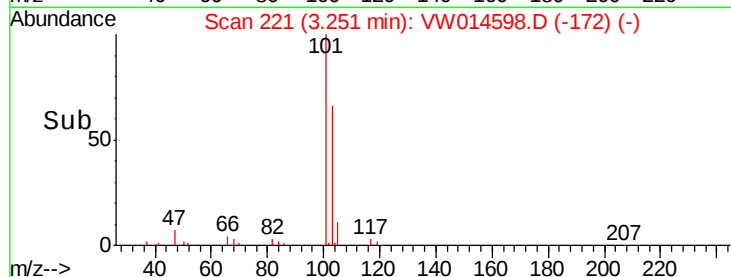
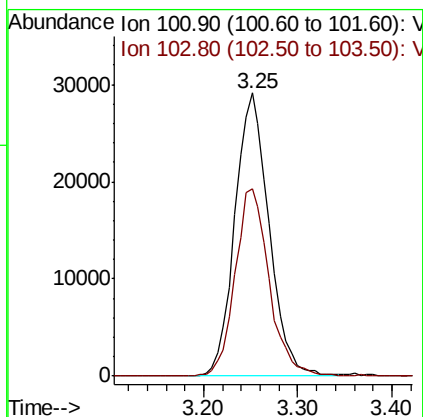
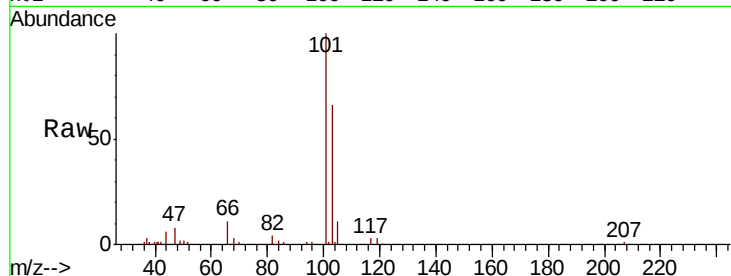
Trichlorofluoromethane  
Concen: 19.493 ug/l  
RT: 3.25 min Scan# 221  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.2  | 50.1  | 75.1  |

Manual Integrations  
APPROVED

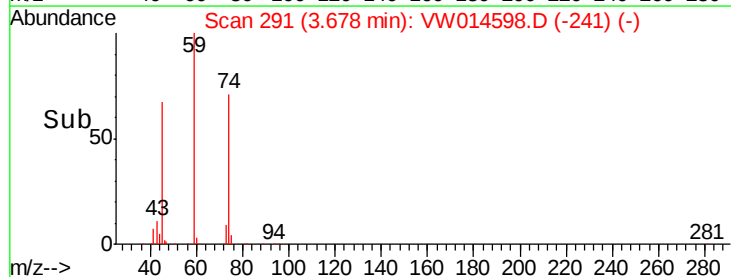
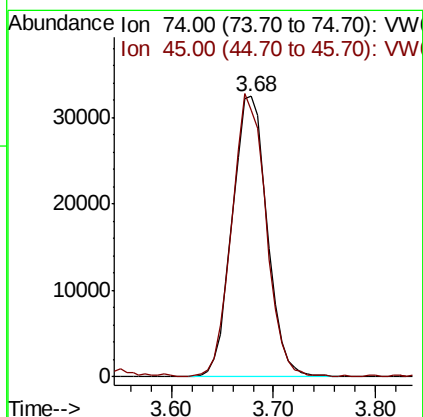
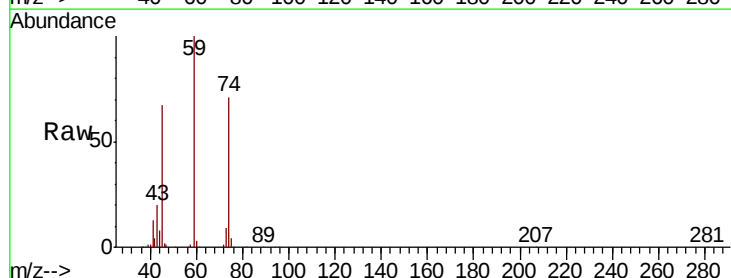
MMDadoda  
1/13/2020 12:01:38 PM



#8

Diethyl Ether  
Concen: 20.523 ug/l  
RT: 3.68 min Scan# 291  
Delta R.T. 0.01 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 98.9  | 48.6  | 145.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.672 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

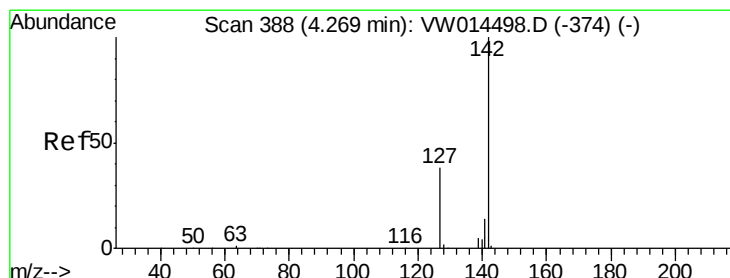
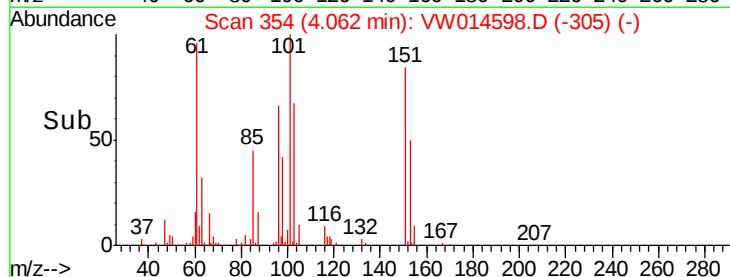
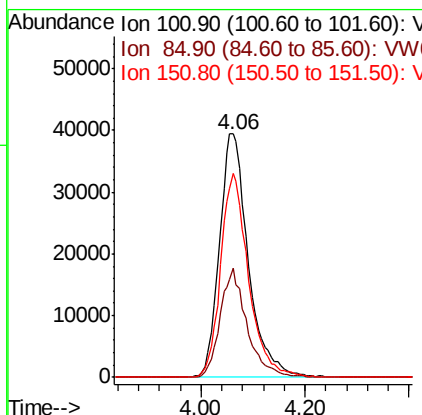
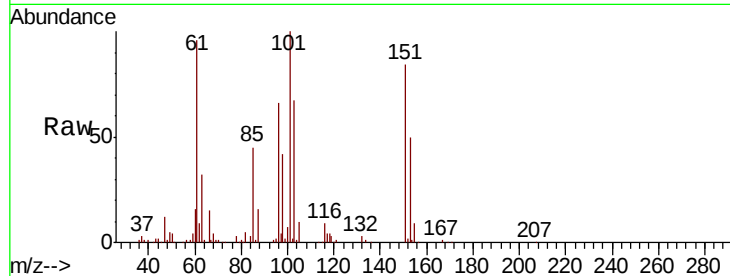
ClientSampleId :

VW0110SBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 153064 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.5  | 33.7  | 50.5   |
| 151       | 81.1  | 63.5  | 95.3   |

Manual Integrations  
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1/13/2020 12:01:38 PM



#10

Methyl Iodide

Concen: 20.562 ug/l

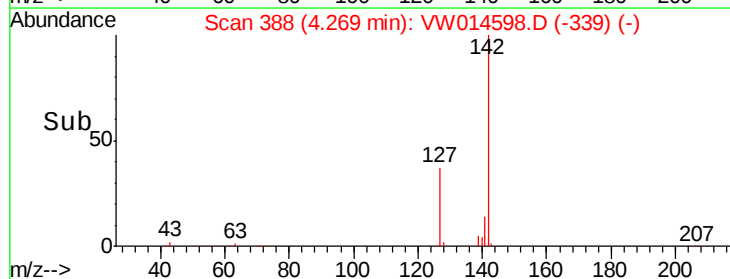
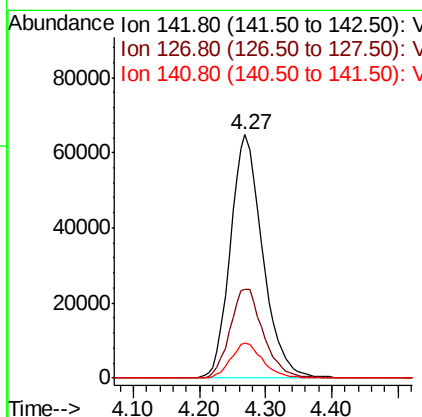
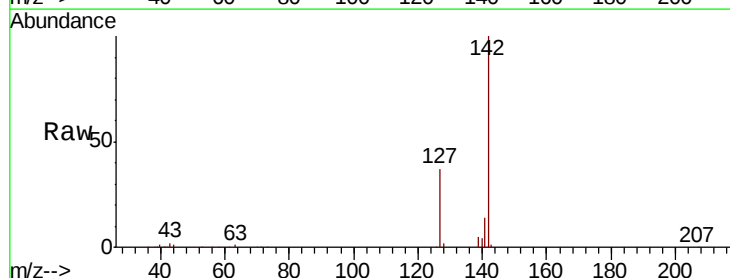
RT: 4.27 min Scan# 388

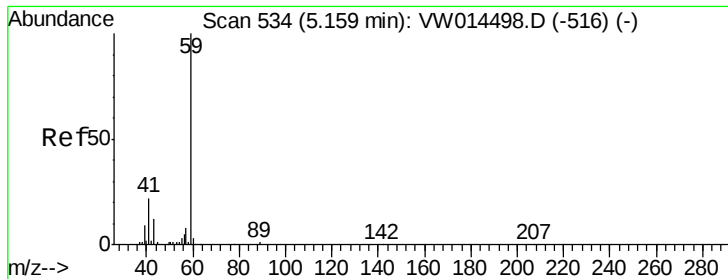
Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 219118 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 37.9  | 30.2  | 45.4   |
| 141       | 14.3  | 11.4  | 17.2   |





#11

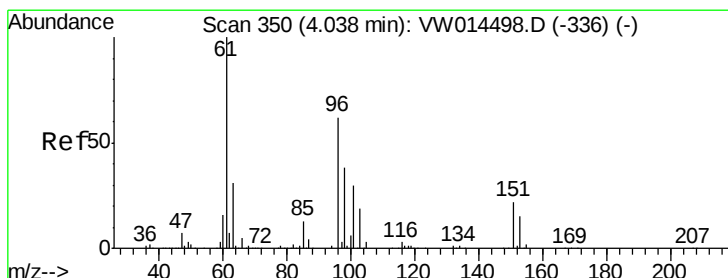
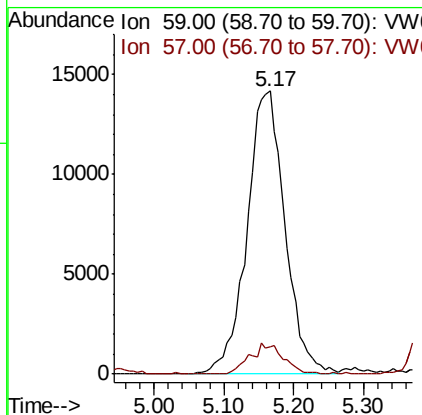
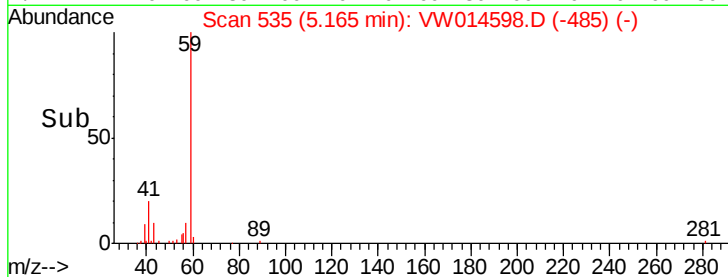
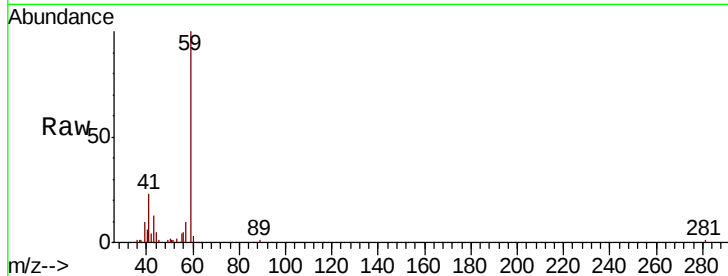
Tert butyl alcohol  
Concen: 92.373 ug/l  
RT: 5.17 min Scan# 535  
Delta R.T. 0.01 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.6   | 7.8   | 11.8  |

Manual Integrations  
APPROVED

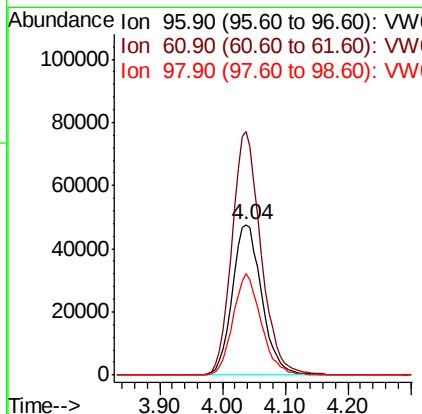
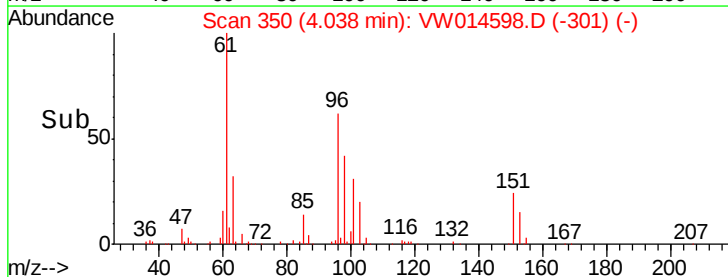
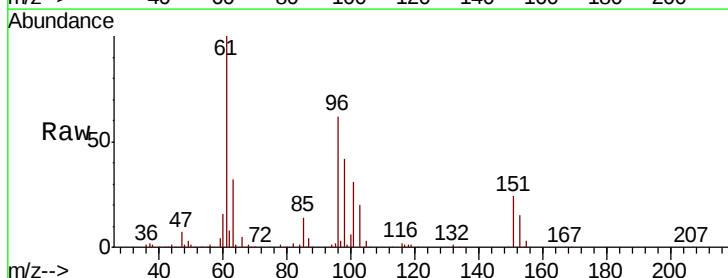
MMDadoda  
1/13/2020 12:01:38 PM

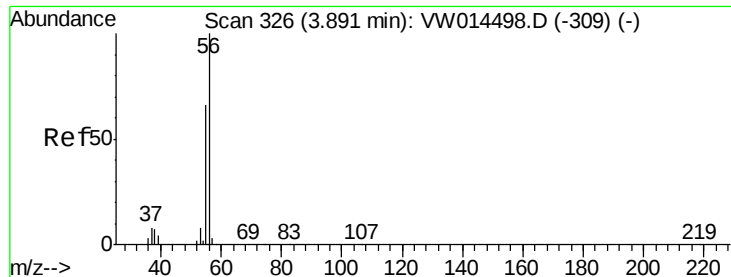


#12

1,1-Dichloroethene  
Concen: 21.021 ug/l  
RT: 4.04 min Scan# 350  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 162.1 | 128.4 | 192.6 |
| 98      | 67.6  | 49.1  | 73.7  |





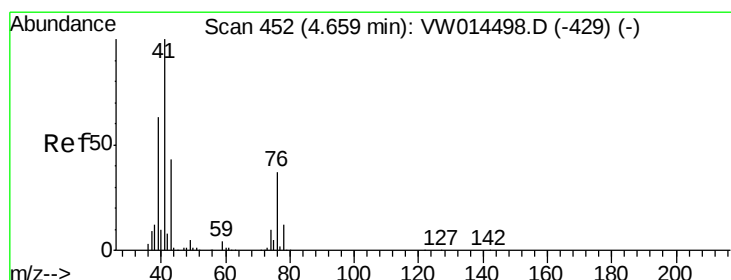
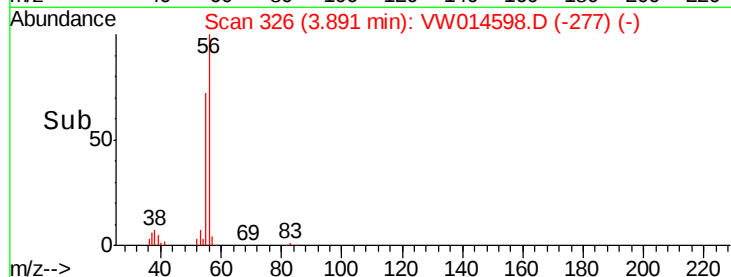
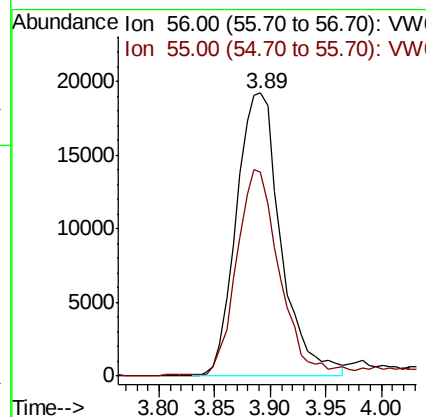
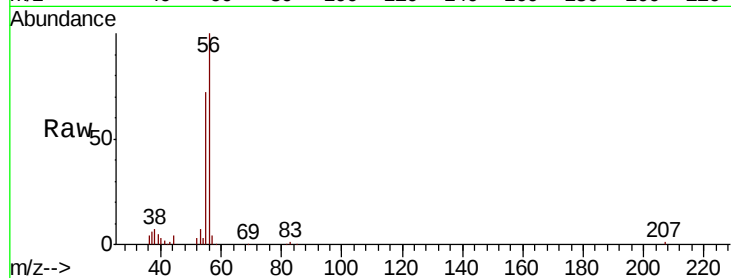
#13  
Acrolein  
Concen: 94.169 ug/l  
RT: 3.89 min Scan# 326  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion   | 56   | Resp  | 53409 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 55        | 70.4 | 56.7  | 85.1  |

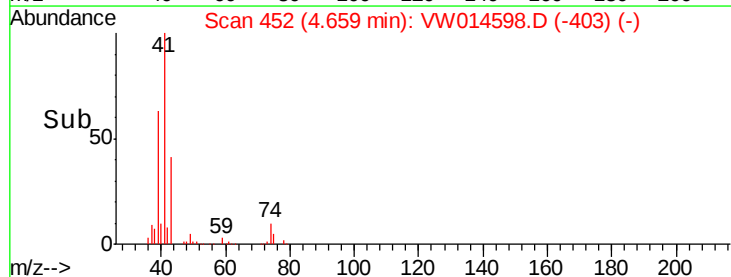
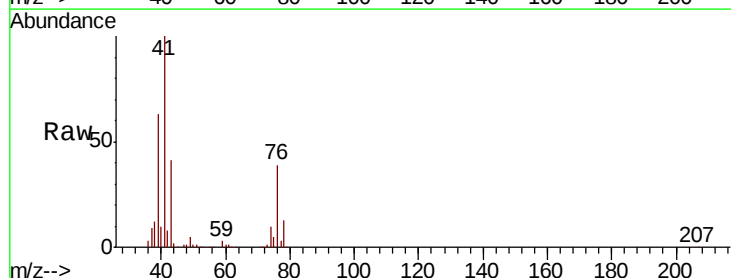
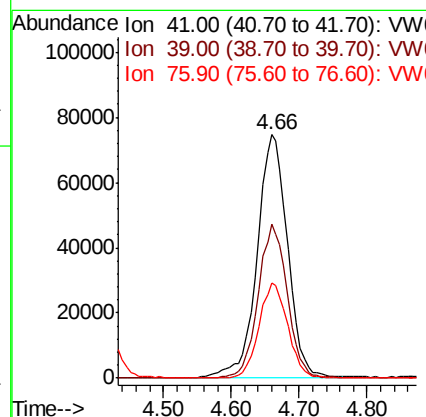
Manual Integrations  
APPROVED

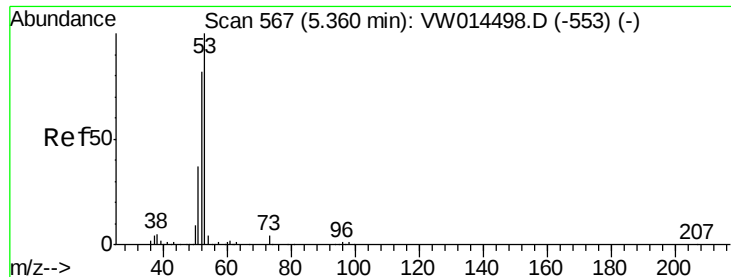
MMDadoda  
1/13/2020 12:01:38 PM



#14  
Allyl chloride  
Concen: 20.711 ug/l  
RT: 4.66 min Scan# 452  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion   | 41   | Resp  | 234091 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 39        | 60.2 | 48.5  | 72.7   |
| 76        | 36.7 | 28.1  | 42.1   |





#15

Acrylonitrile

Concen: 104.809 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

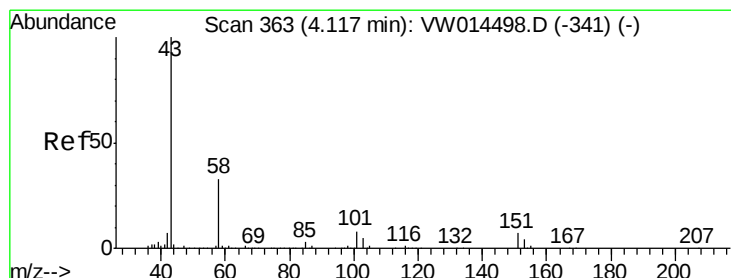
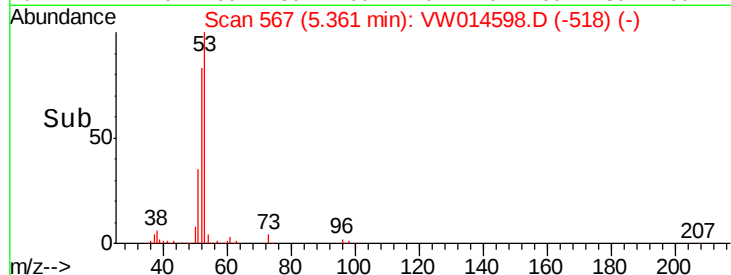
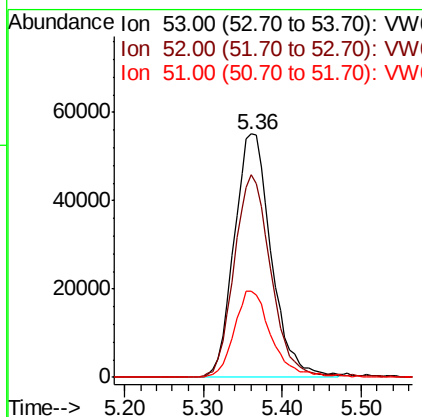
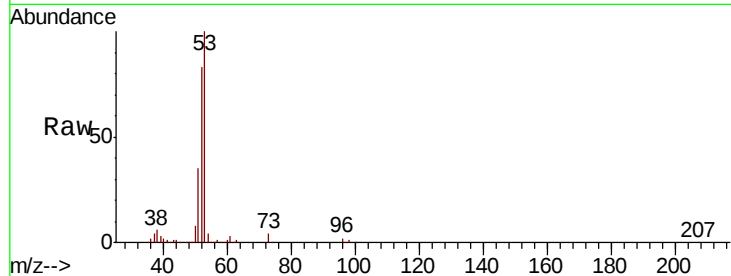
ClientSampleId :

VW0110SBSD01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 180180 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 82.2 | 66.5  | 99.7   |
| 51        | 35.2 | 28.4  | 42.6   |

Manual Integrations  
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1/13/2020 12:01:38 PM



#16

Acetone

Concen: 99.472 ug/l

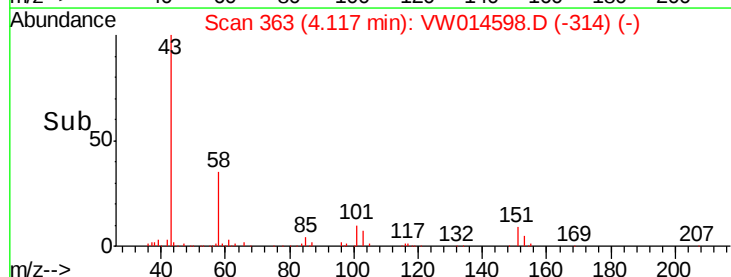
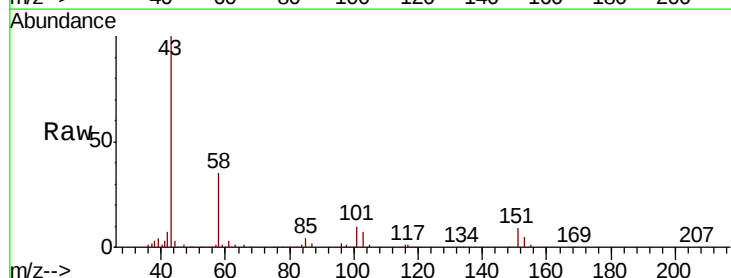
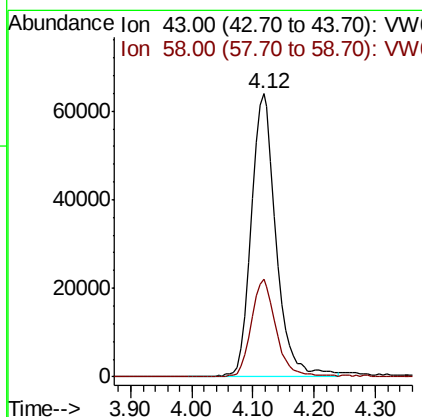
RT: 4.12 min Scan# 363

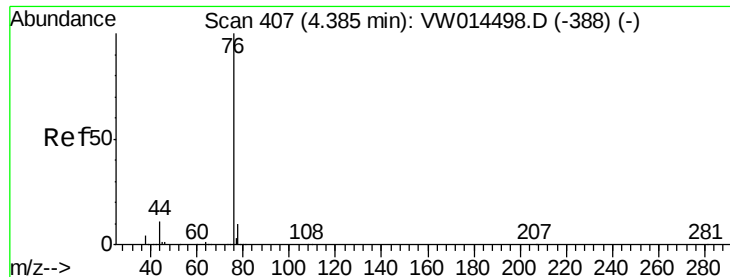
Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 182517 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 34.7 | 26.6  | 39.8   |





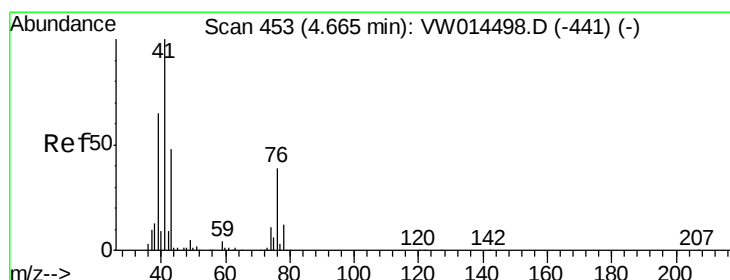
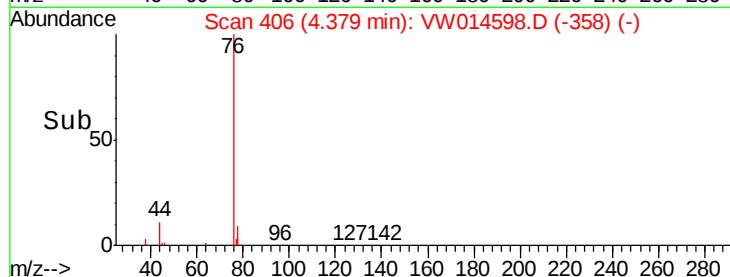
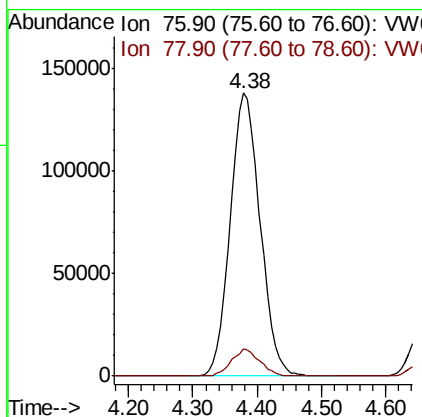
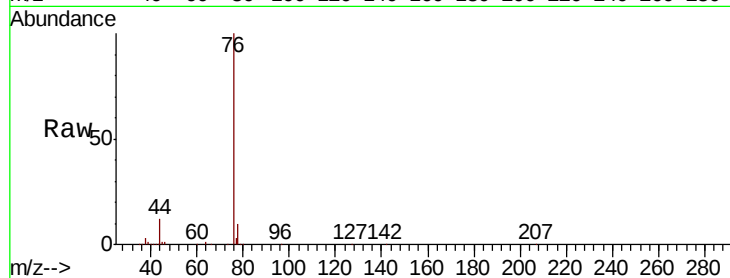
#17  
Carbon Disulfide  
Concen: 20.001 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. -0.01 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.5   | 7.8   | 11.6  |

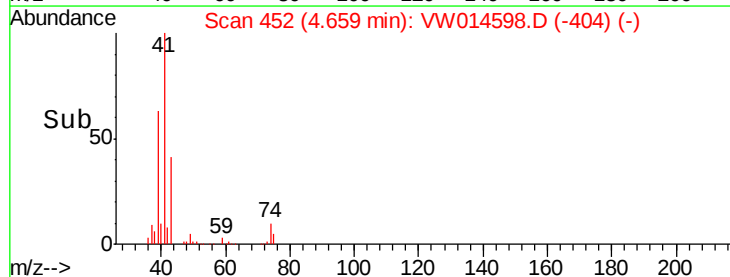
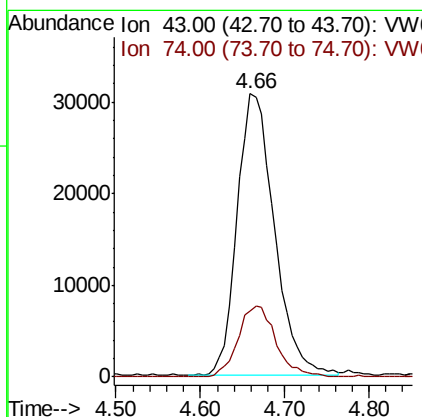
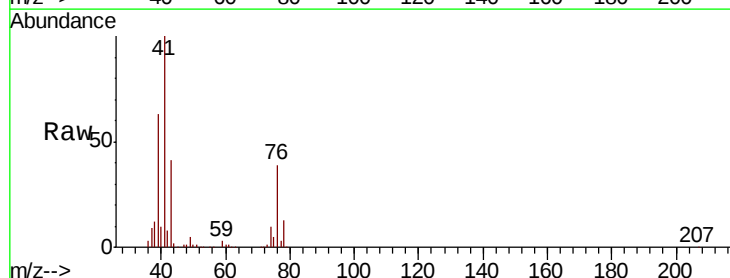
Manual Integrations  
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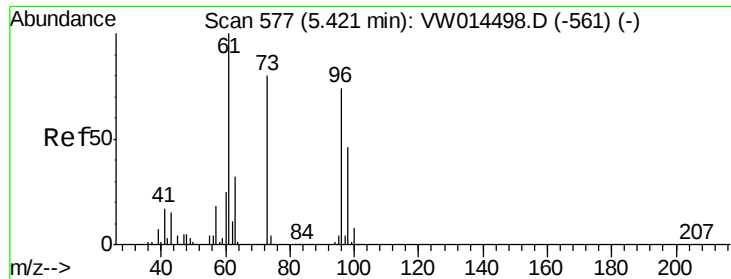
MMDadoda  
1/13/2020 12:01:38 PM



#18  
Methyl Acetate  
Concen: 20.837 ug/l  
RT: 4.66 min Scan# 452  
Delta R.T. -0.01 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 25.3  | 19.3  | 28.9  |





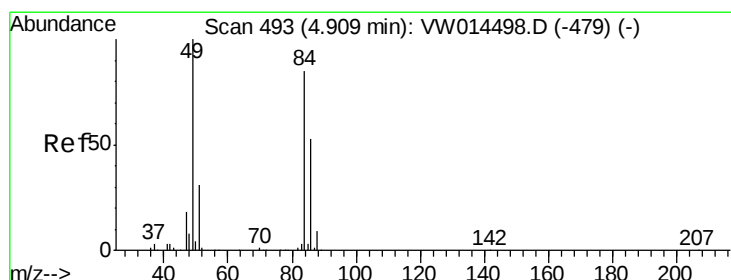
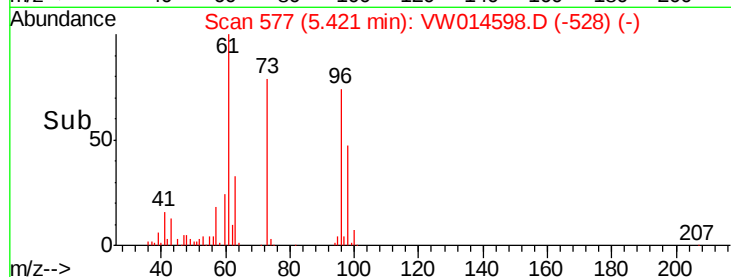
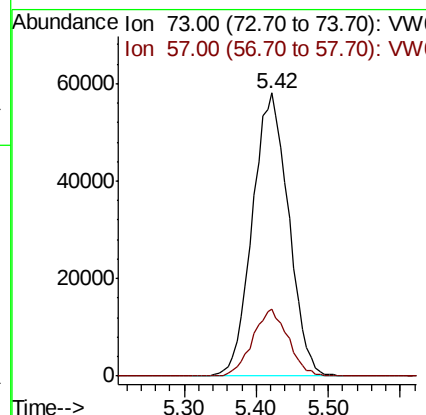
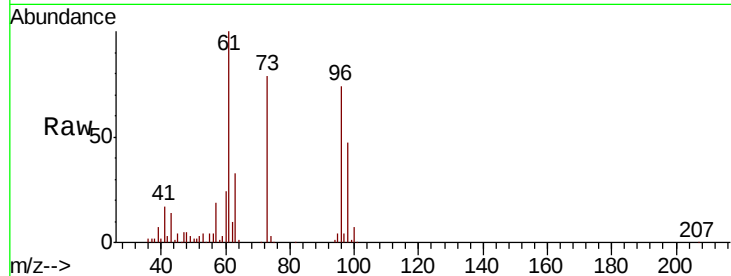
#19  
Methvl tert-butvl Ether  
Concen: 22.045 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

Tot Ion: 73 Resp: 202394  
Ion Ratio Lower Upper  
73 100  
57 23.6 18.1 27.1

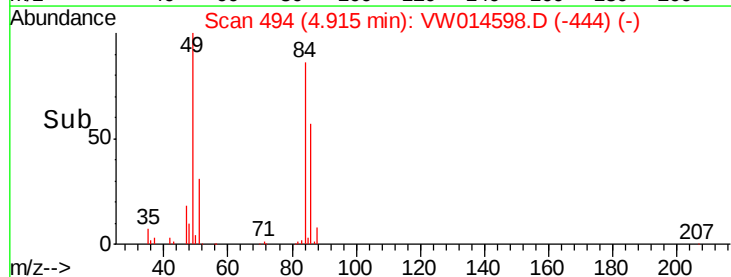
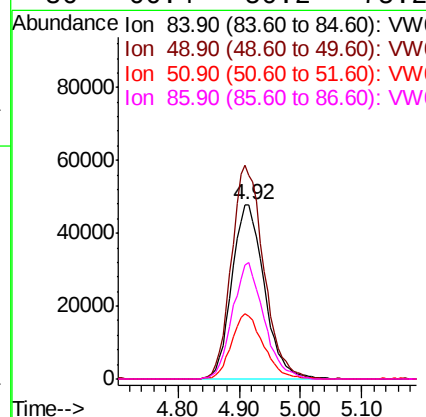
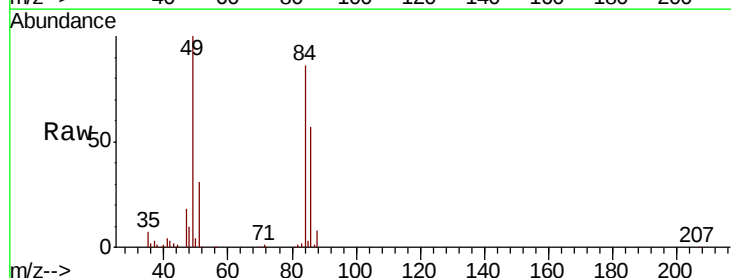
Manual Integrations  
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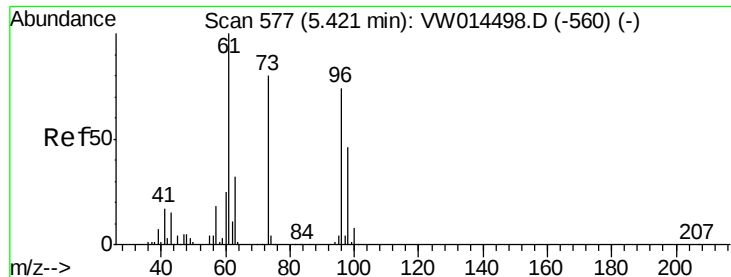
MMDadoda  
1/13/2020 12:01:38 PM



#20  
Methylene Chloride  
Concen: 20.964 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Tgt Ion: 84 Resp: 175055  
Ion Ratio Lower Upper  
84 100  
49 116.6 94.4 141.6  
51 35.7 29.5 44.3  
86 66.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 21.378 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

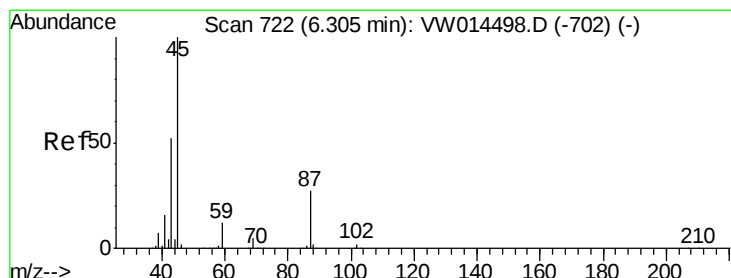
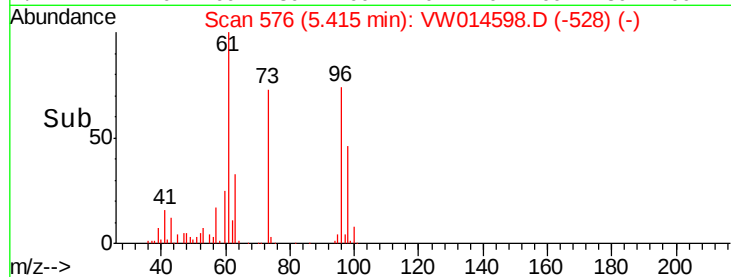
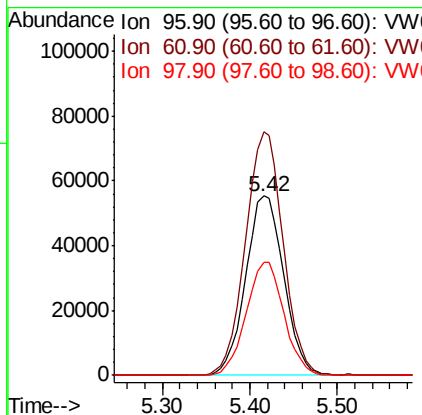
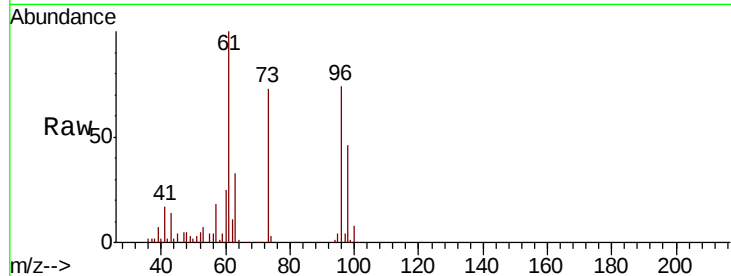
ClientSampleId :

VW0110SBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 167891 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 135.6 | 107.8 | 161.6  |
| 98       | 62.9  | 49.4  | 74.0   |

Manual Integrations  
APPROVED

MMDadoda  
1/13/2020 12:01:38 PM



#22

Diisopropyl ether

Concen: 21.301 ug/l

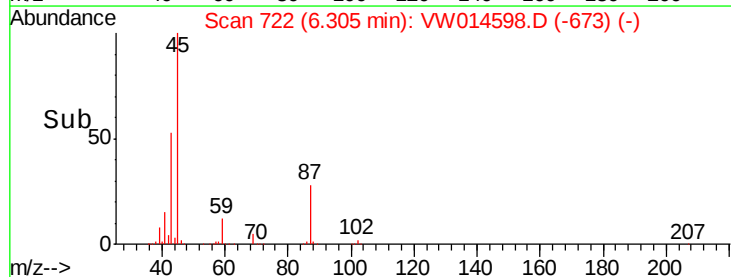
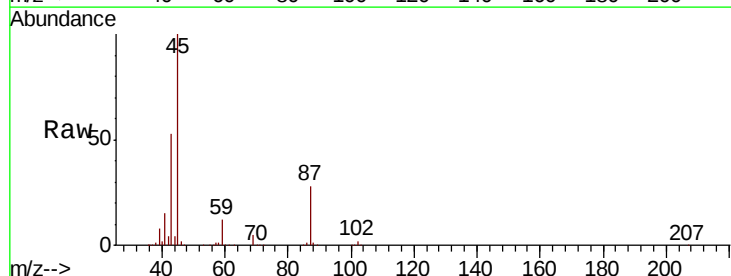
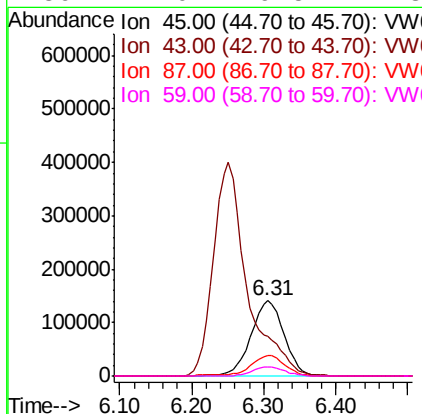
RT: 6.31 min Scan# 722

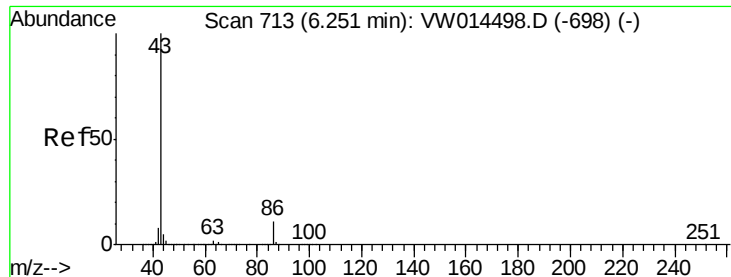
Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 450629 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 52.1  | 41.4  | 62.0   |
| 87       | 27.8  | 22.2  | 33.2   |
| 59       | 12.0  | 9.5   | 14.3   |





#23

Vinyl Acetate

Concen: 102.156 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

ClientSampleId :

VW0110SBSD01

Tot Ion: 43 Resp: 1305031

Ion Ratio Lower Upper

43 100

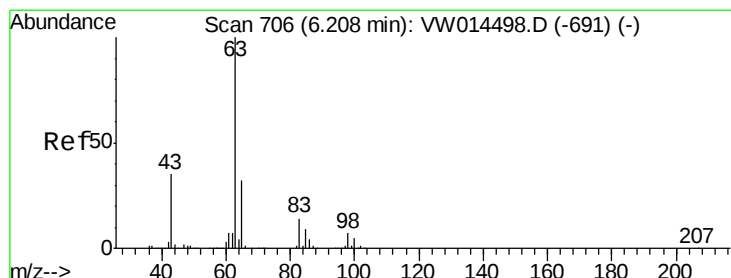
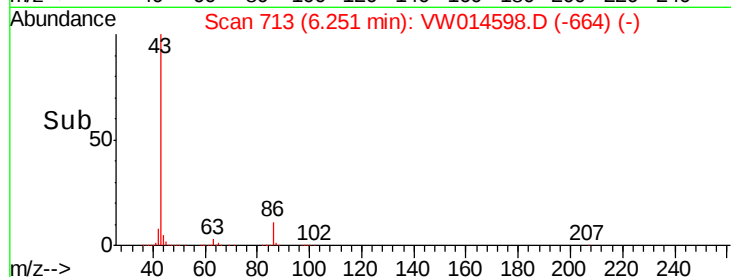
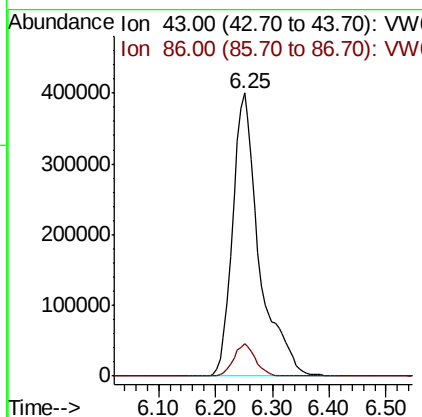
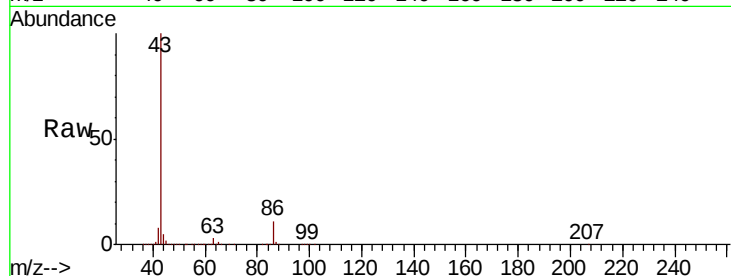
86 11.4 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.052 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

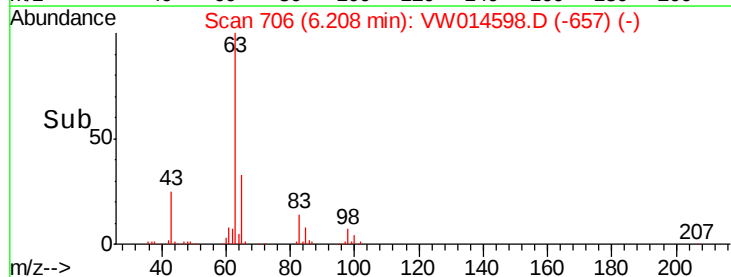
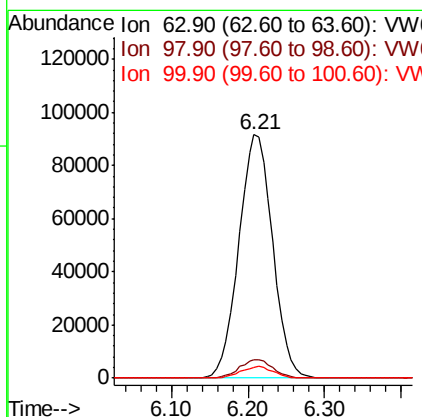
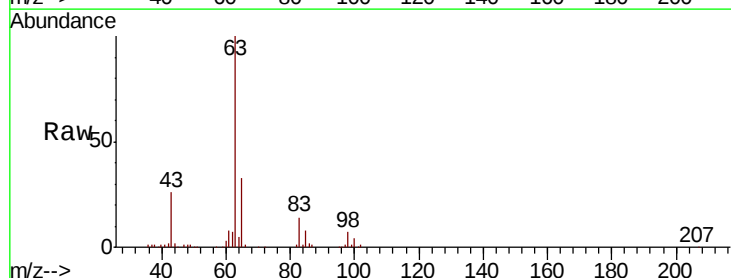
Tgt Ion: 63 Resp: 280935

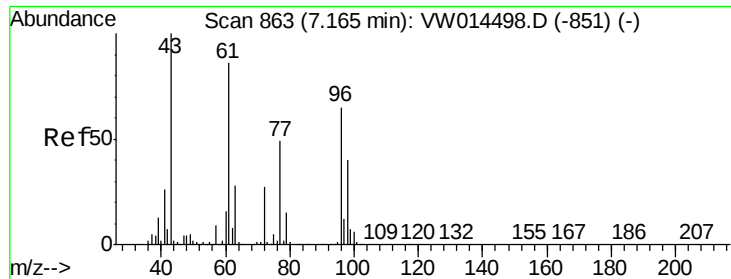
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.3 2.5 7.4





#25

2-Butanone

Concen: 103.826 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

ClientSampleId :

VW0110SBS01

Tot Ion: 43 Resp: 244480

Ion Ratio Lower Upper

43 100

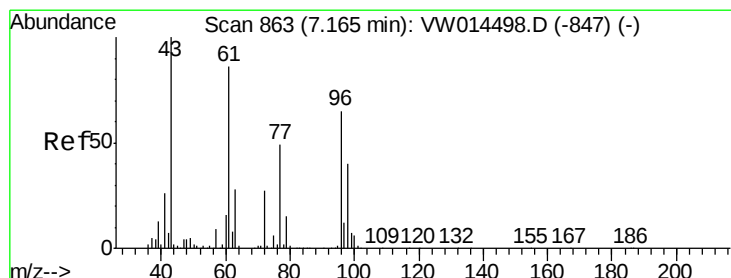
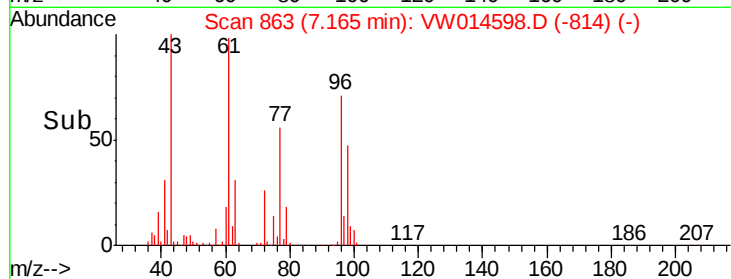
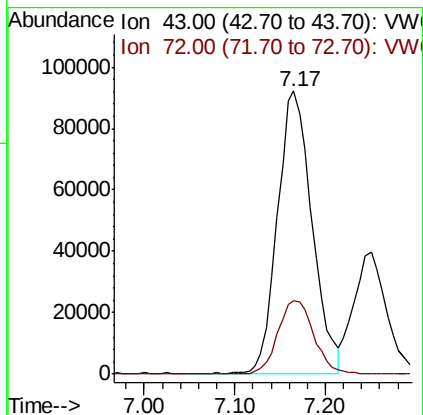
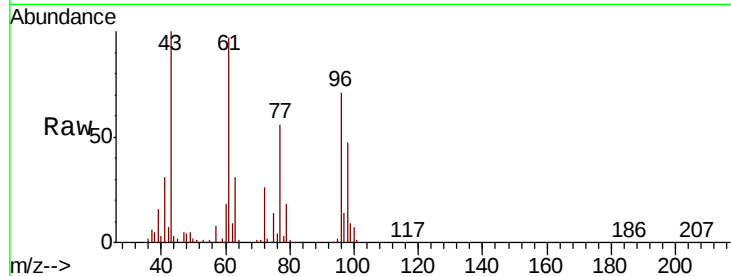
72 25.9 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.532 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014598.D

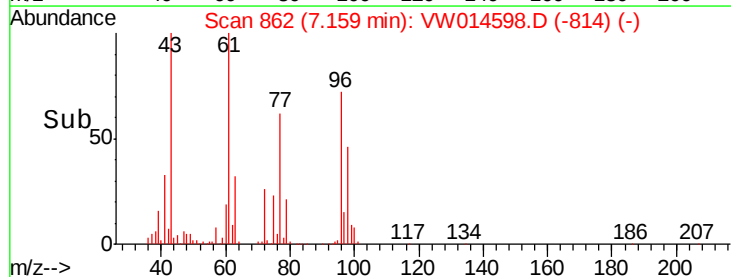
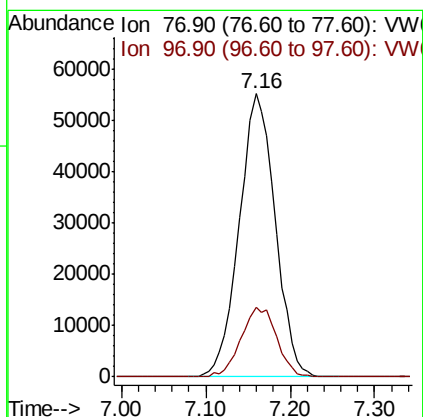
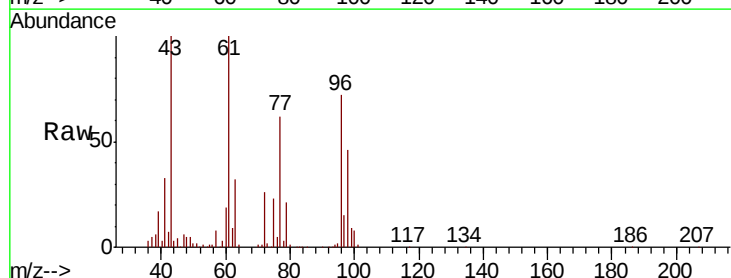
Acq: 10 Jan 2020 14:40

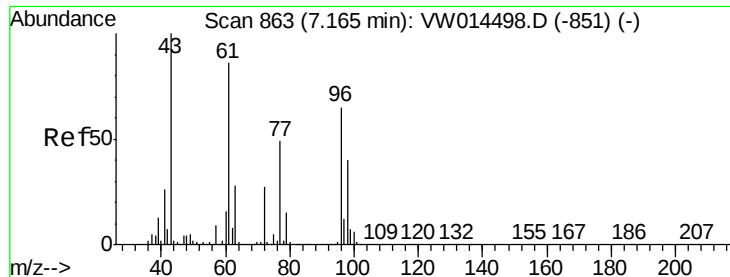
Tgt Ion: 77 Resp: 159086

Ion Ratio Lower Upper

77 100

97 24.4 12.5 37.5





#27

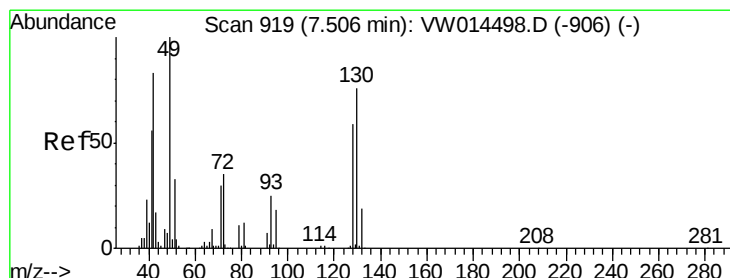
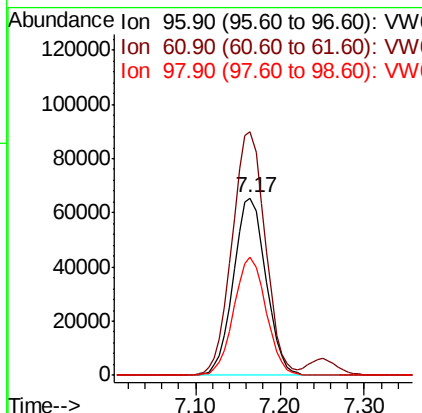
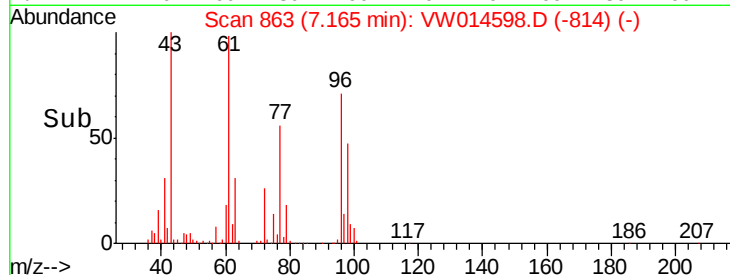
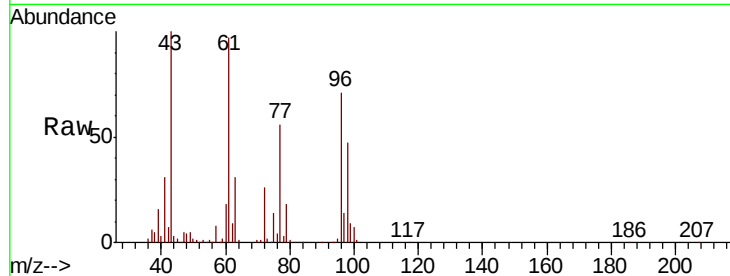
cis-1,2-Dichloroethene  
Concen: 20.758 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 171298 |       |       |
| 61      | 140.5 | 0.0    | 274.8 |       |
| 98      | 65.6  | 0.0    | 128.6 |       |

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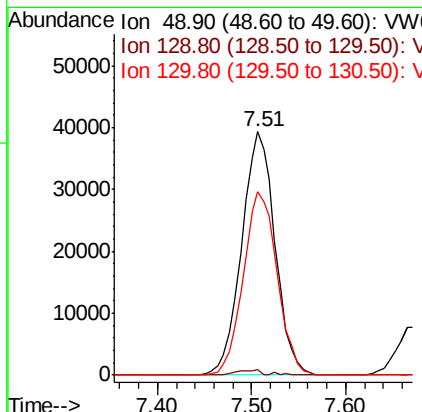
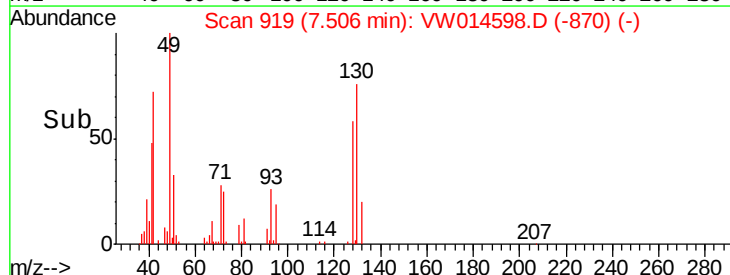
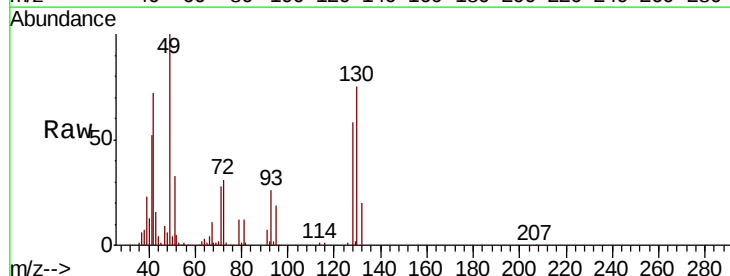
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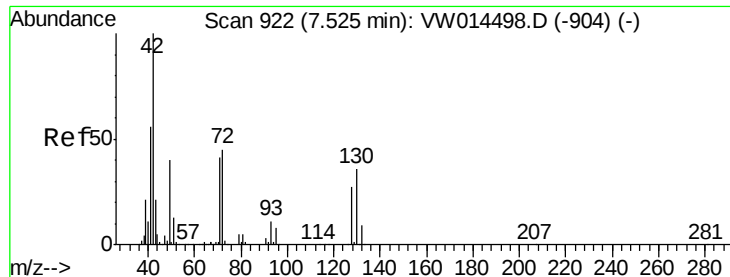


#28

Bromochloromethane  
Concen: 18.604 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 97330 |       |       |
| 129     | 1.4   | 0.0   | 2.0   |       |
| 130     | 76.7  | 62.5  | 93.7  |       |





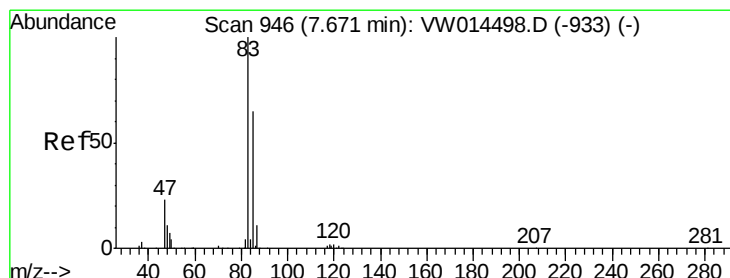
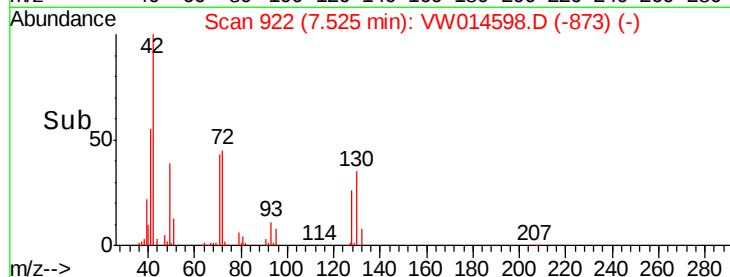
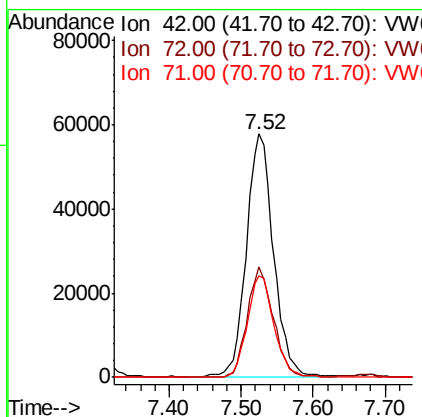
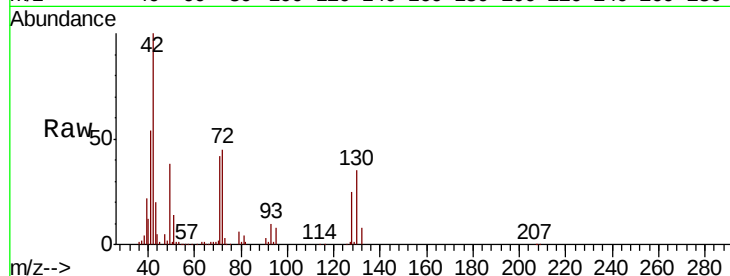
#29  
Tetrahydrofuran  
Concen: 104.107 ug/l  
RT: 7.52 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.3  | 34.5  | 51.7  |
| 71      | 41.0  | 32.0  | 48.0  |

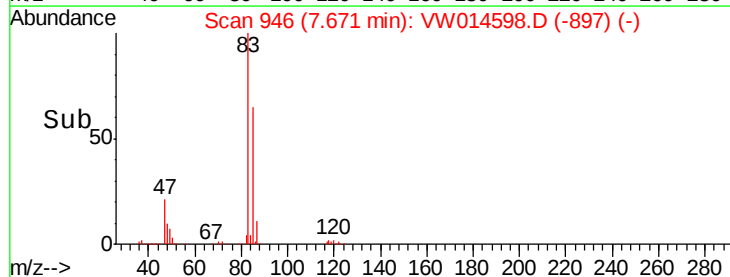
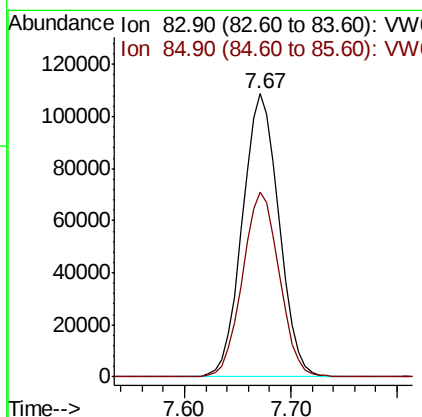
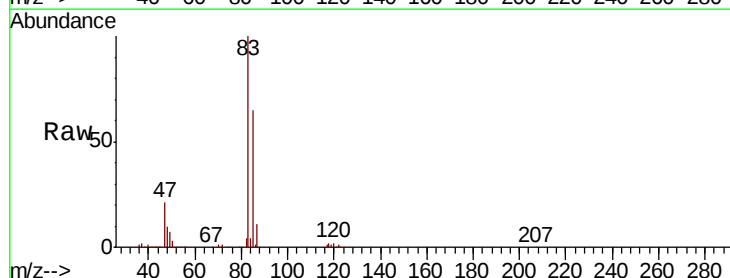
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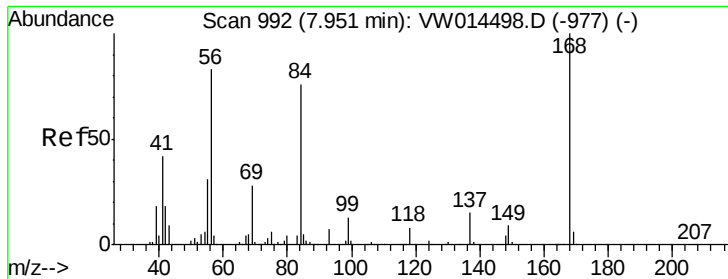
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#30  
Chloroform  
Concen: 21.046 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.2  | 52.2  | 78.2  |





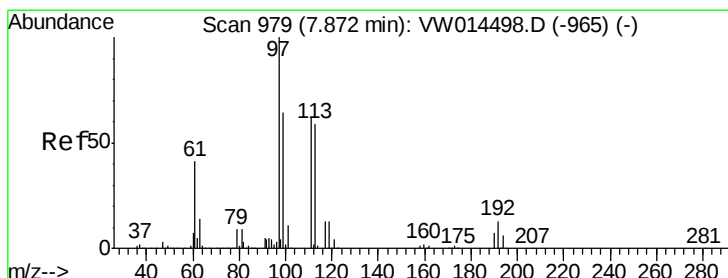
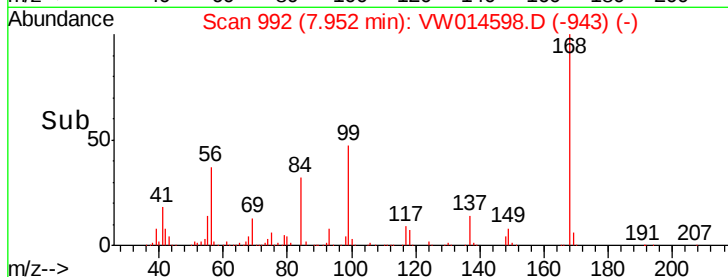
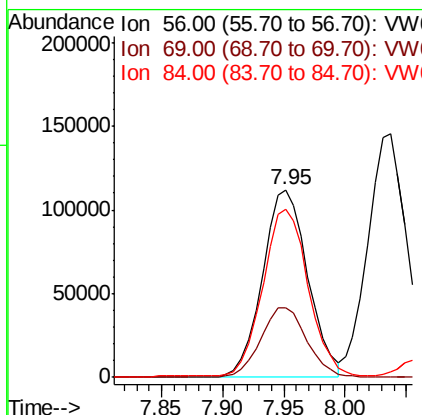
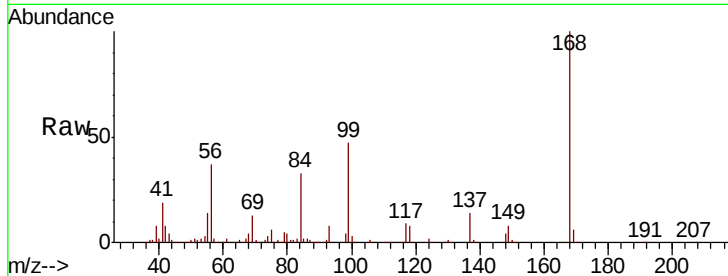
#31  
Cyclohexane  
Concen: 20.806 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 36.8  | 26.8  | 40.2  |
| 84      | 88.9  | 71.8  | 107.6 |

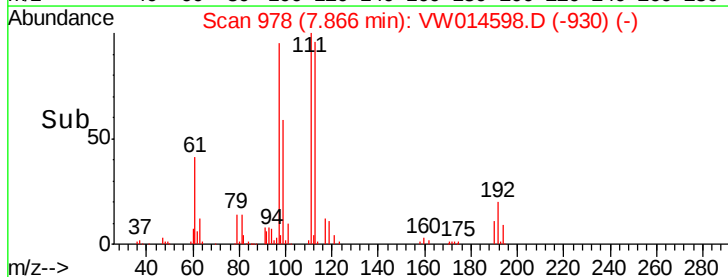
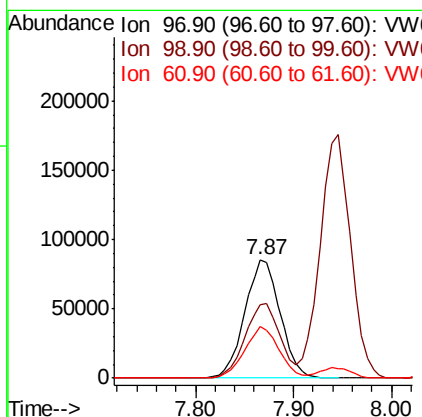
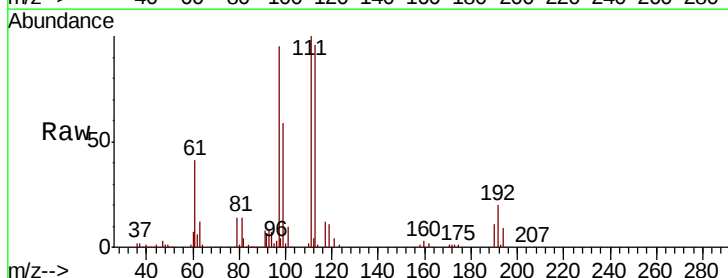
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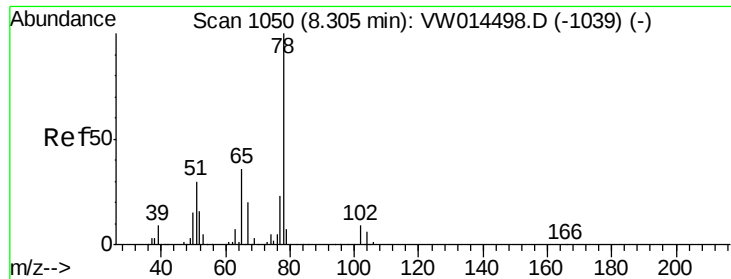
MMDadoda  
1/13/2020 12:01:38 PM



#32  
1,1,1-Trichloroethane  
Concen: 21.330 ug/l  
RT: 7.87 min Scan# 978  
Delta R.T. -0.01 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.9  | 51.8  | 77.6  |
| 61      | 42.7  | 33.8  | 50.8  |





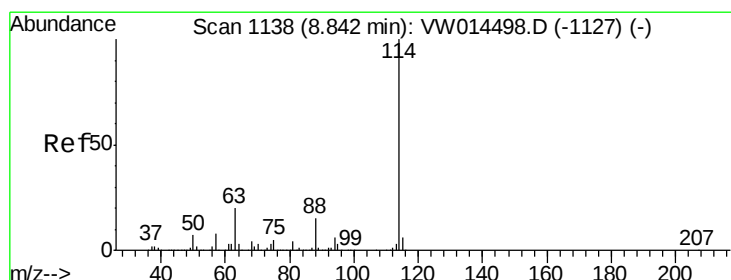
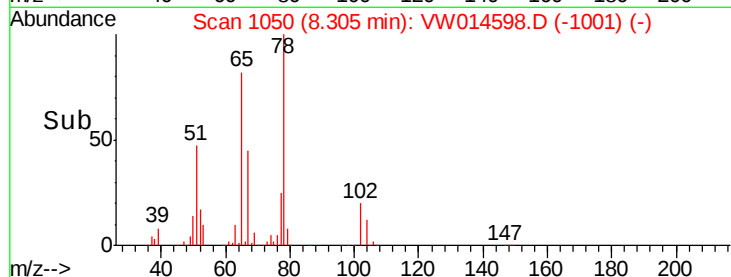
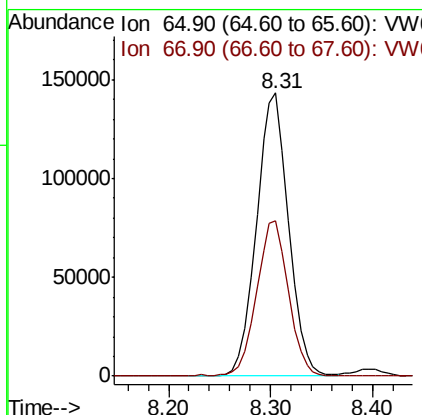
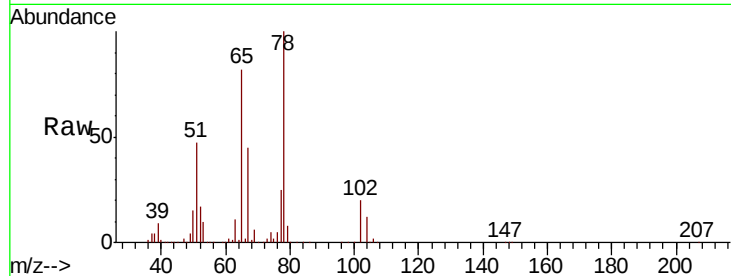
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.037 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW014598.D  
 Acq: 10 Jan 2020 14:40

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0110SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 312154 |       |       |
| 67      | 54.7  | 0.0    | 108.4 |       |

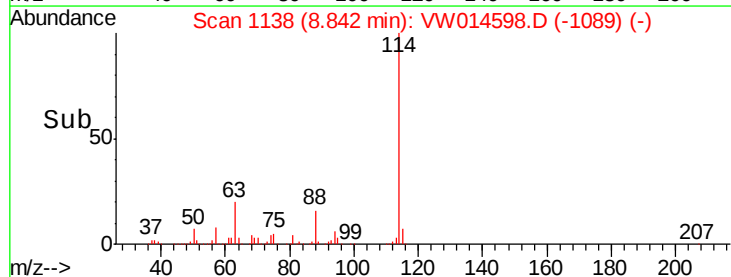
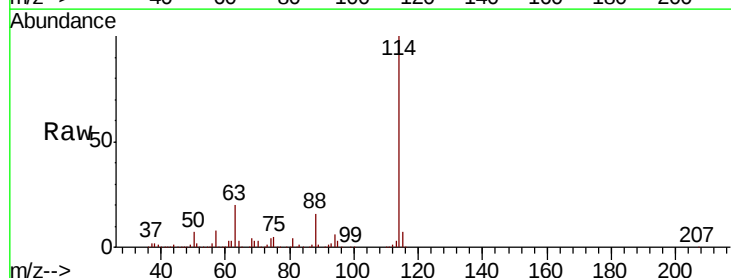
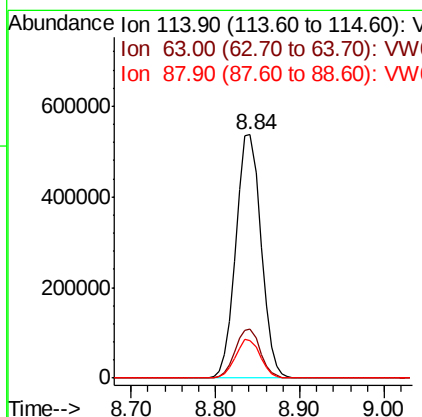
Manual Integrations  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW014598.D  
 Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 114     | 100   | 1085079 |       |       |
| 63      | 20.4  | 0.0     | 40.4  |       |
| 88      | 15.7  | 0.0     | 30.6  |       |





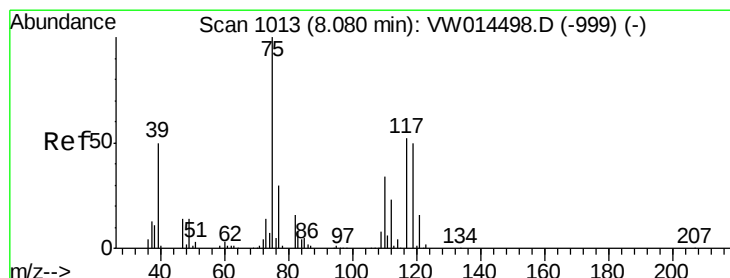
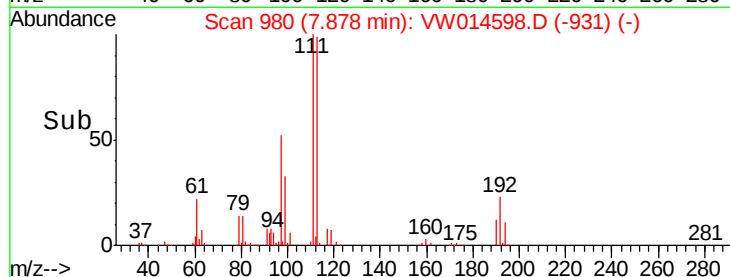
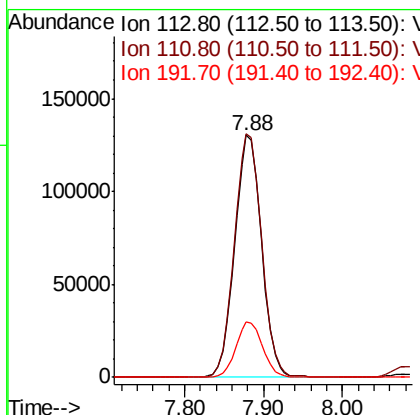
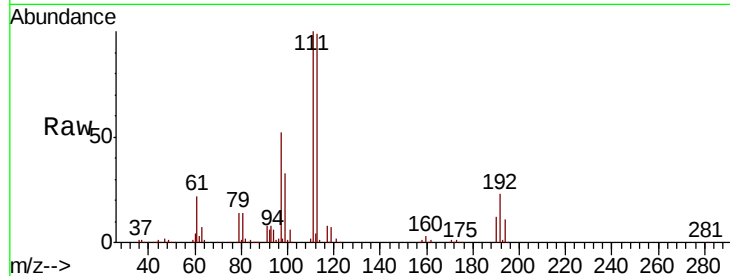
#35  
 Dibromofluoromethane  
 Concen: 49.726 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. 0.00 min  
 Lab File: VW014598.D  
 Acq: 10 Jan 2020 14:40

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0110SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 81.4  | 122.2 |
| 192     | 22.9  | 17.8  | 26.8  |

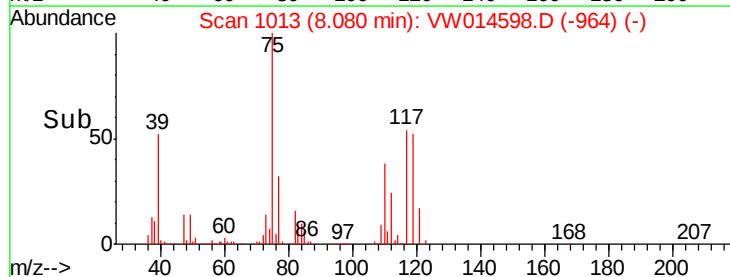
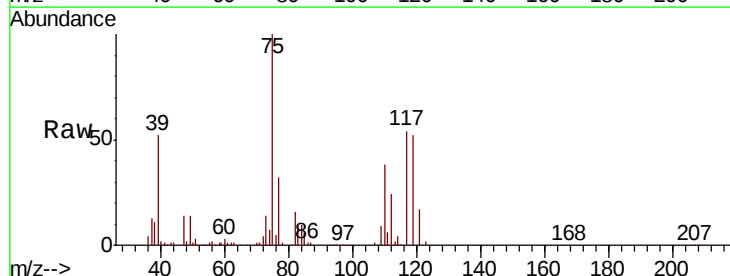
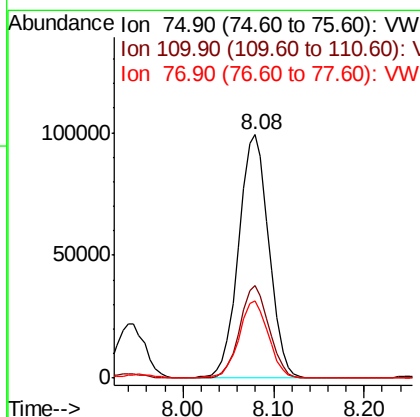
Manual Integrations  
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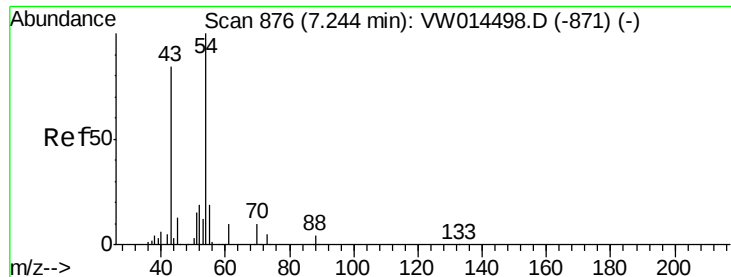
MMDadoda  
 1/13/2020 12:01:38 PM



#36  
 1,1-Dichloropropene  
 Concen: 21.753 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. 0.00 min  
 Lab File: VW014598.D  
 Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.0  | 17.8  | 53.5  |
| 77      | 31.2  | 24.7  | 37.1  |





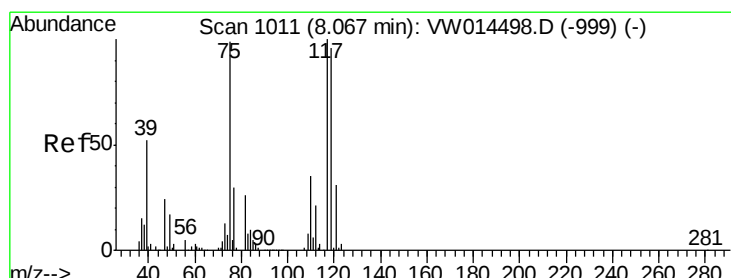
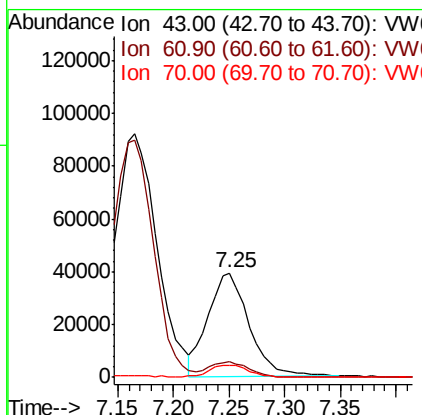
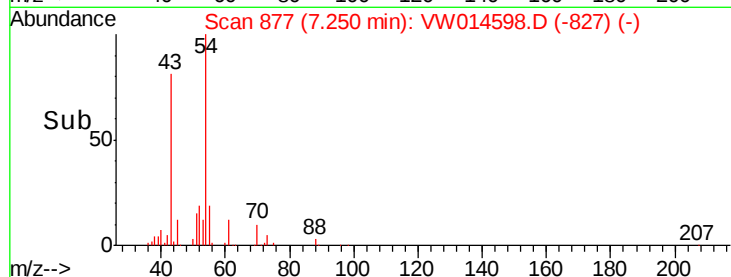
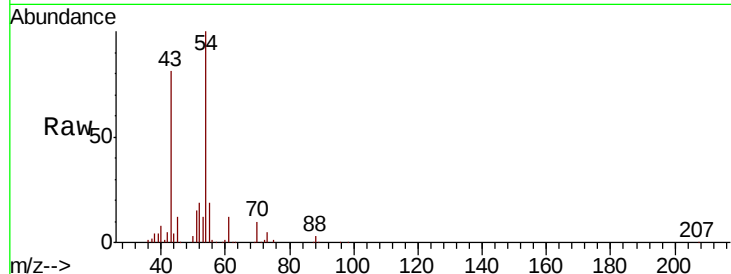
#37  
Ethyl Acetate  
Concen: 21.094 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. 0.01 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.7  | 11.7  | 17.5  |
| 70      | 11.8  | 9.0   | 13.6  |

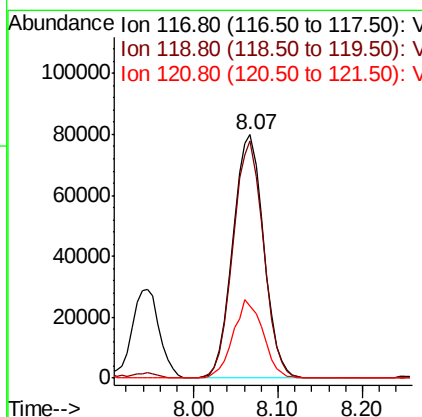
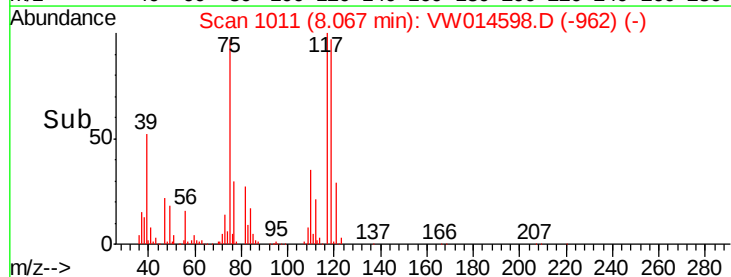
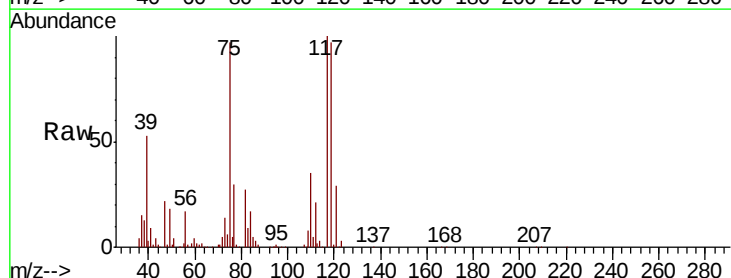
Manual Integrations  
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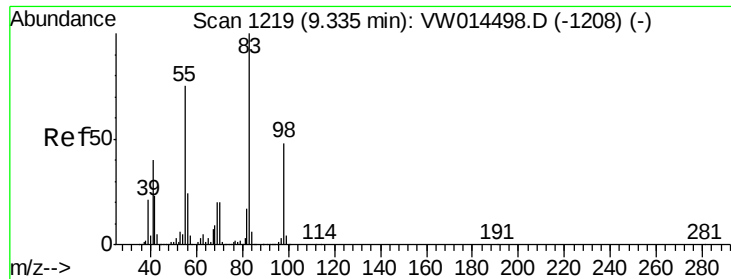
MMDadoda  
1/13/2020 12:01:38 PM



#38  
Carbon Tetrachloride  
Concen: 21.745 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.4  | 77.0  | 115.6 |
| 121     | 29.4  | 24.6  | 36.8  |





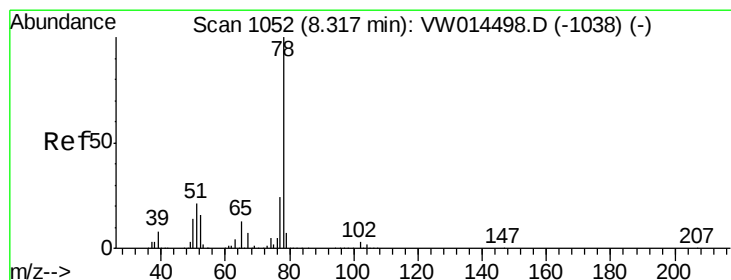
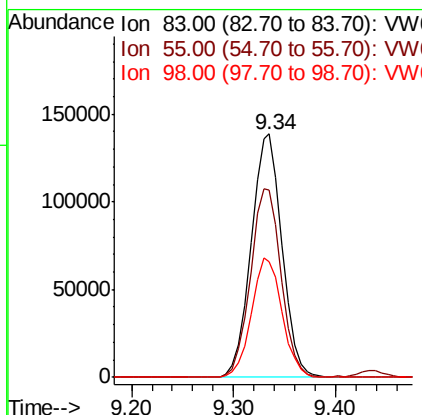
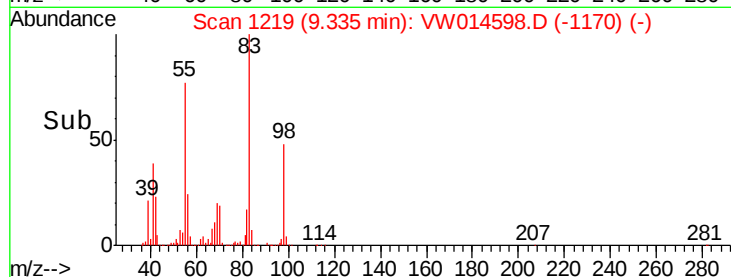
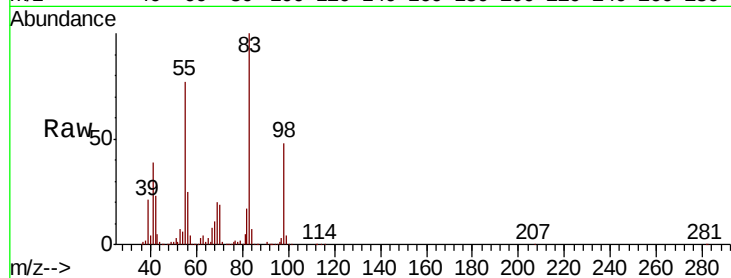
#39  
Methvlcvclohexane  
Concen: 21.692 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 291205 |       |       |
| 55      | 76.8  |        | 60.1  | 90.1  |
| 98      | 47.6  |        | 38.8  | 58.2  |

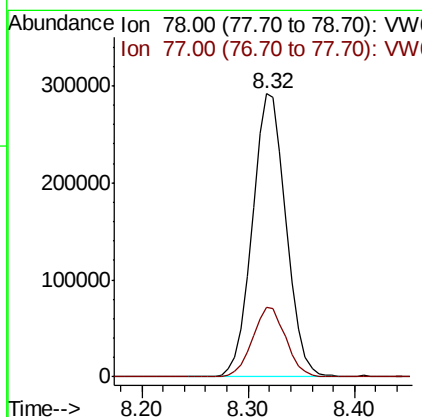
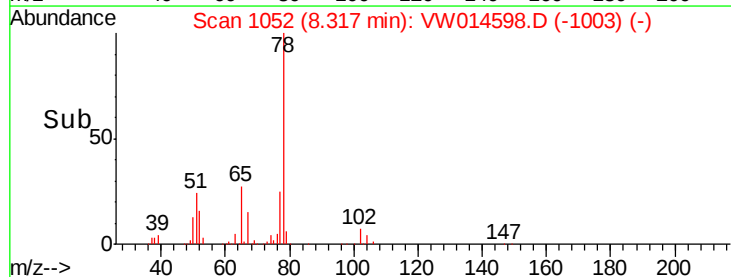
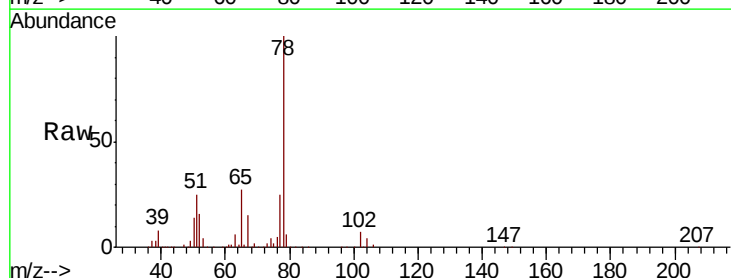
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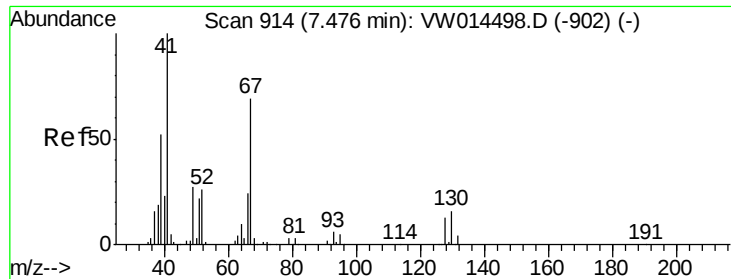
MMDadoda  
1/13/2020 12:01:38 PM



#40  
Benzene  
Concen: 21.850 ug/l  
RT: 8.32 min Scan# 1052  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 646699 |       |       |
| 77      | 24.6  |        | 19.3  | 28.9  |





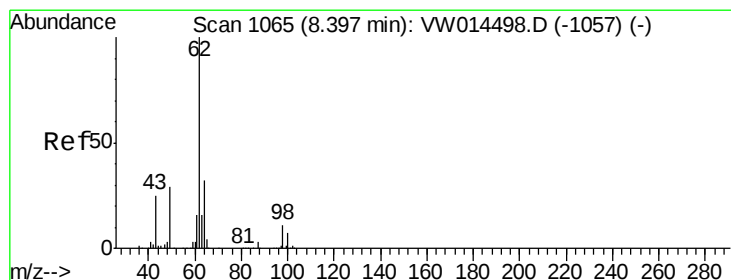
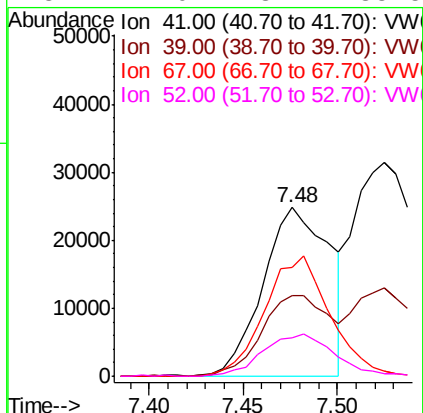
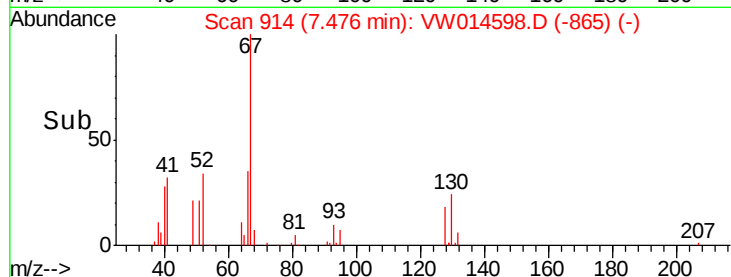
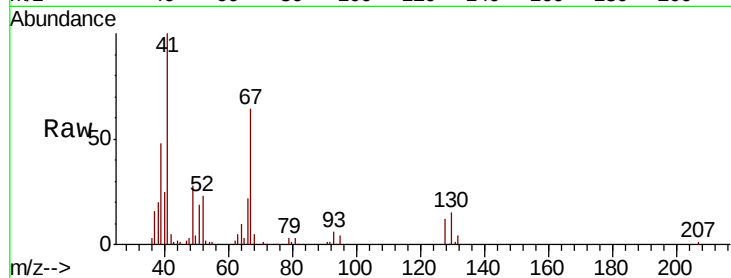
#41  
Methacrylonitrile  
Concen: 23.052 ug/l  
RT: 7.48 min Scan# 914  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 49.0  | 46.0  | 69.0  |
| 67      | 70.0  | 60.8  | 91.2  |
| 52      | 27.0  | 23.7  | 35.5  |

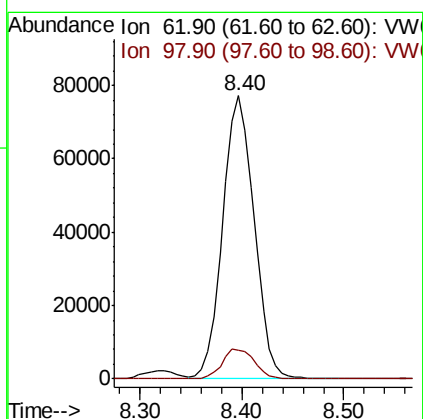
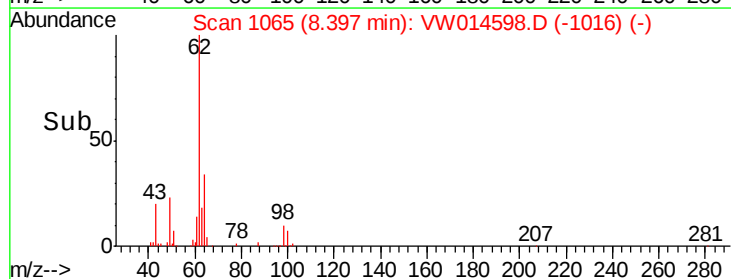
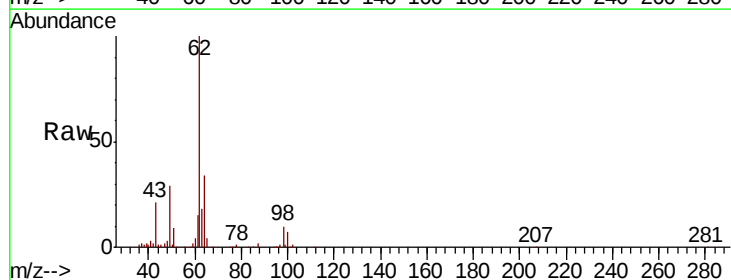
Manual Integrations  
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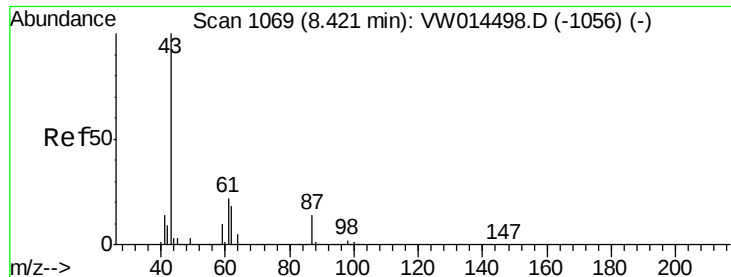
MMDadoda  
1/13/2020 12:01:38 PM



#42  
1,2-Dichloroethane  
Concen: 21.463 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.9  | 0.0   | 22.0  |





#43

Isopropyl Acetate

Concen: 21.399 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

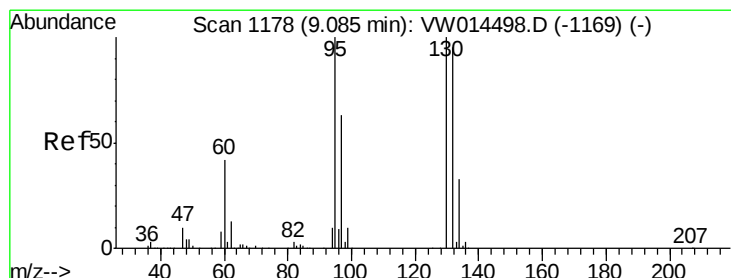
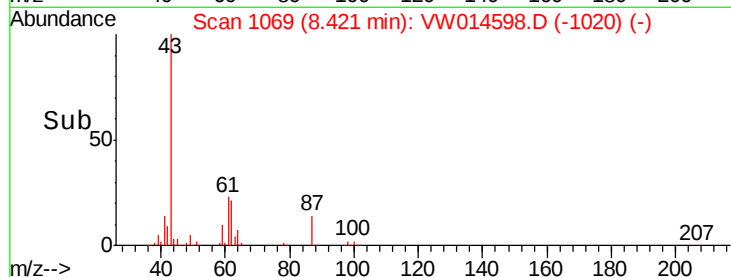
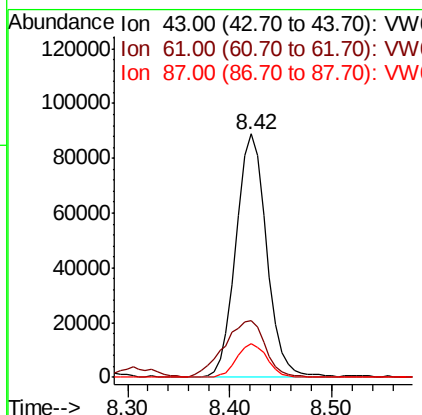
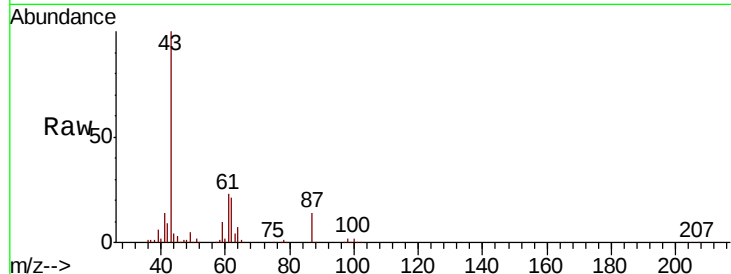
ClientSampleId :

VW0110SBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 184357 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 31.6  | 24.7  | 37.1   |
| 87       | 13.9  | 11.1  | 16.7   |

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#44

Trichloroethene

Concen: 21.810 ug/l

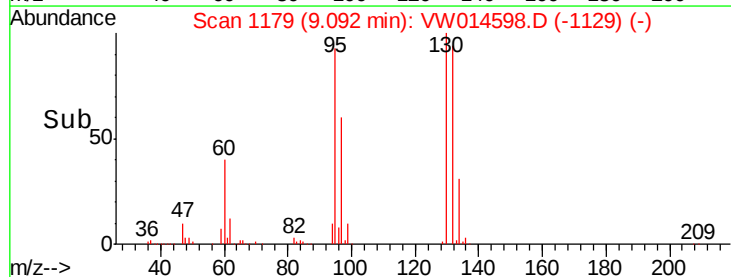
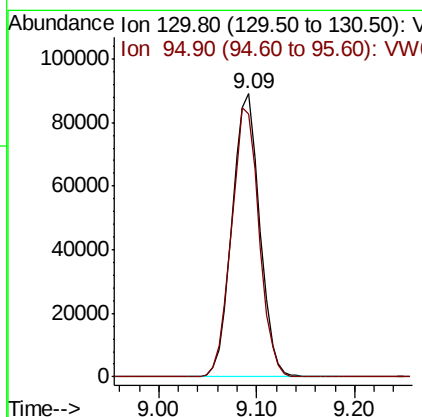
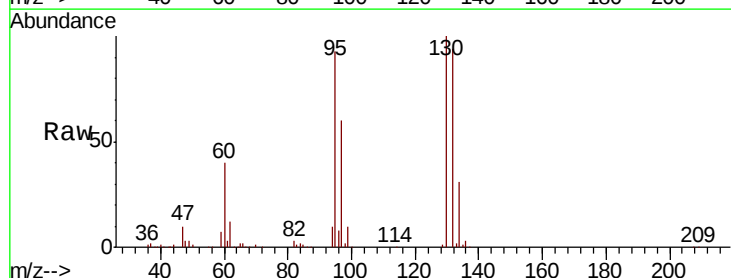
RT: 9.09 min Scan# 1179

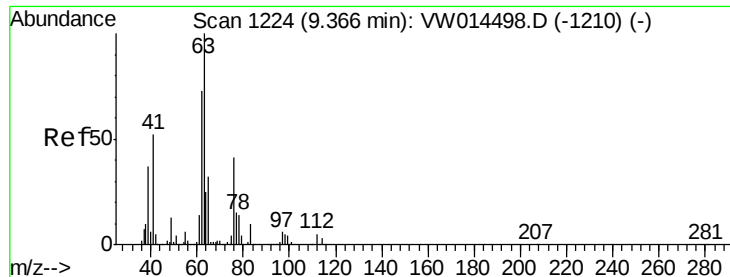
Delta R.T. 0.01 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 174673 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 92.8  | 0.0   | 199.4  |





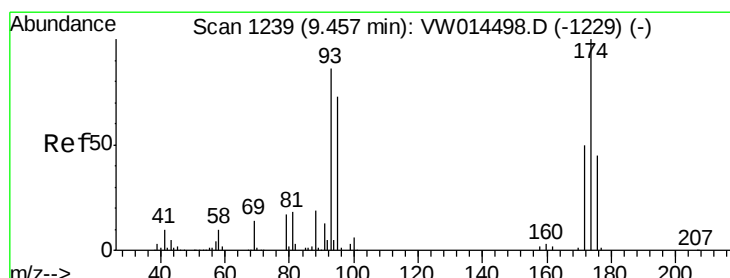
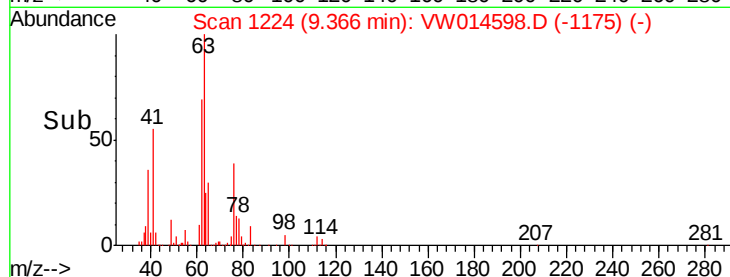
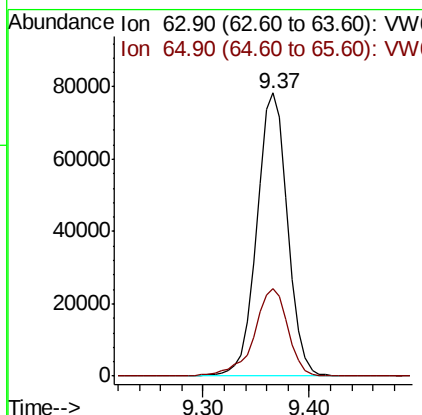
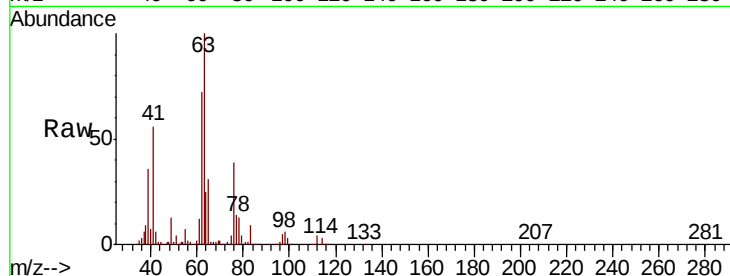
#45  
 1,2-Dichloropropane  
 Concen: 21.716 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. 0.00 min  
 Lab File: VW014598.D  
 Acq: 10 Jan 2020 14:40

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0110SBSD01

Tot Ion: 63 Resp: 157722  
 Ion Ratio Lower Upper  
 63 100  
 65 31.0 25.6 38.4

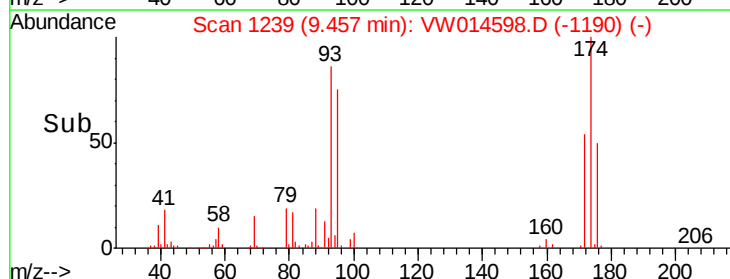
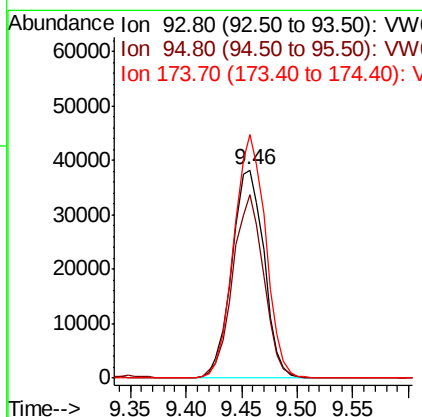
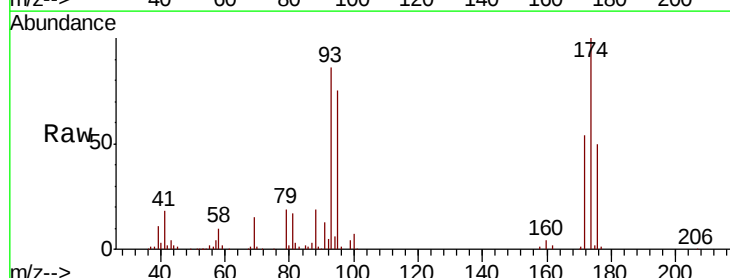
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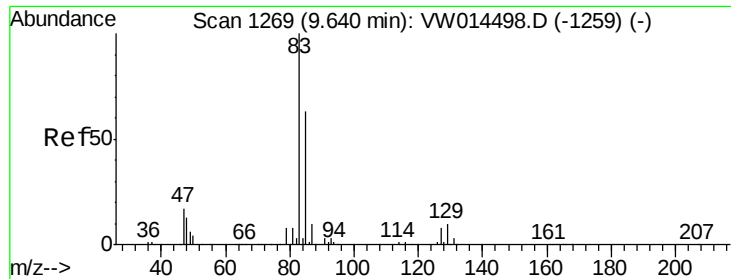
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#46  
 Dibromomethane  
 Concen: 21.371 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. 0.00 min  
 Lab File: VW014598.D  
 Acq: 10 Jan 2020 14:40

Tgt Ion: 93 Resp: 76623  
 Ion Ratio Lower Upper  
 93 100  
 95 85.6 66.4 99.6  
 174 115.6 89.1 133.7





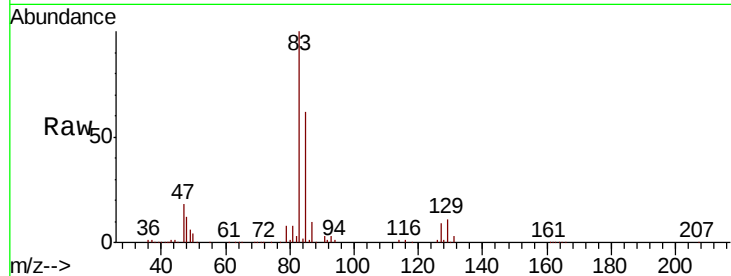
#47  
Bromodichloromethane  
Concen: 21.368 ug/l  
RT: 9.64 min Scan# 1269  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

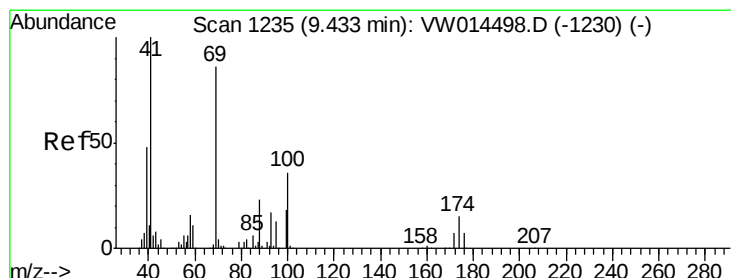
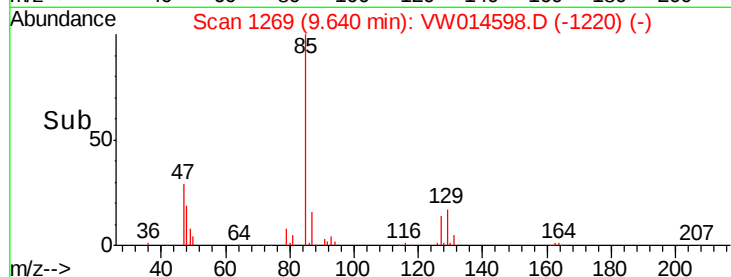
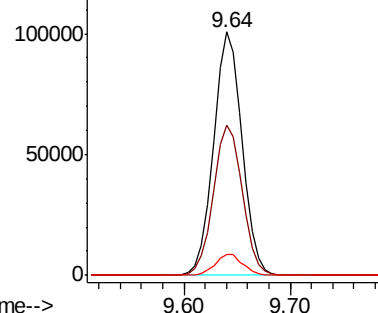
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 189147 |       |       |
| 85      | 61.7  | 50.6   | 76.0  |       |
| 127     | 8.6   | 6.6    | 9.8   |       |

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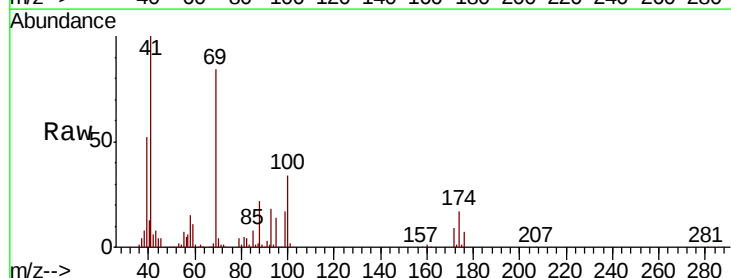


Abundance Ion 82.90 (82.60 to 83.60): VW  
Ion 84.90 (84.60 to 85.60): VW  
Ion 126.80 (126.50 to 127.50): V

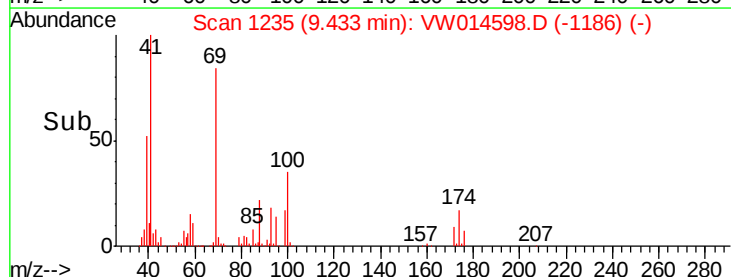
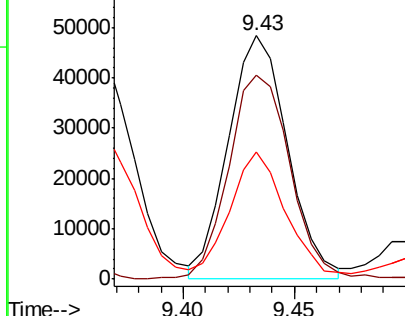


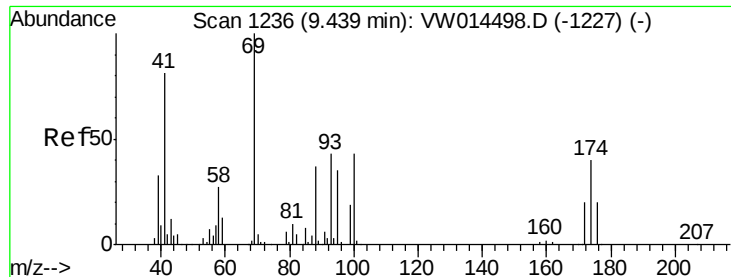
#48  
Methyl methacrylate  
Concen: 21.206 ug/l  
RT: 9.43 min Scan# 1235  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 89195 |       |       |
| 69      | 86.5  | 68.3  | 102.5 |       |
| 39      | 45.3  | 36.8  | 55.2  |       |



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





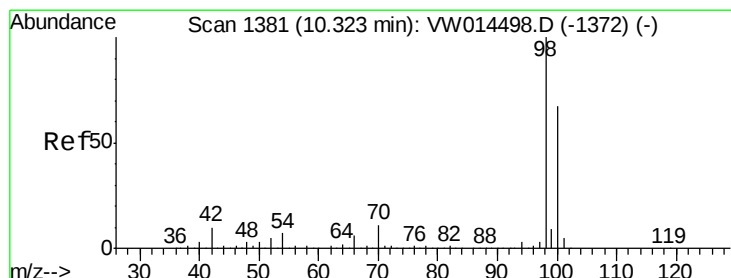
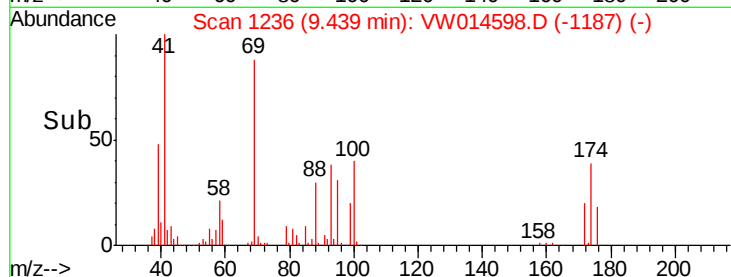
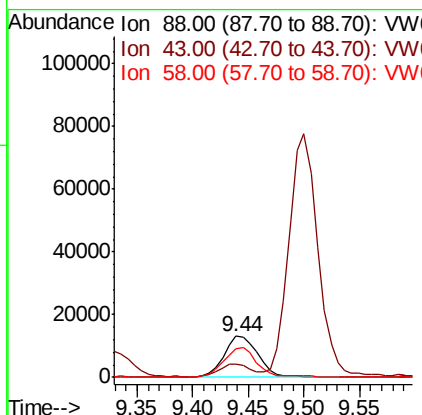
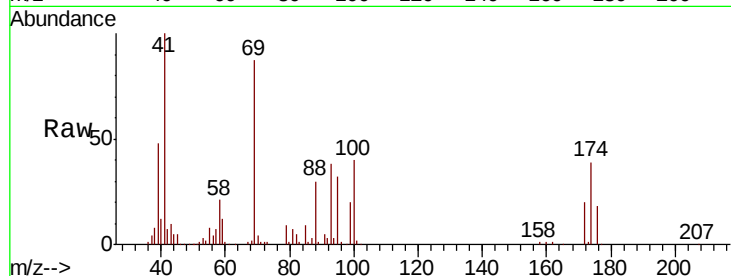
#49  
1,4-Dioxane  
Concen: 415.585 ug/l  
RT: 9.44 min Scan# 1236  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | 88    | Resp  | 27869 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 26.8  | 24.9  | 37.3  |
| 58      | 68.8  | 56.9  | 85.3  |

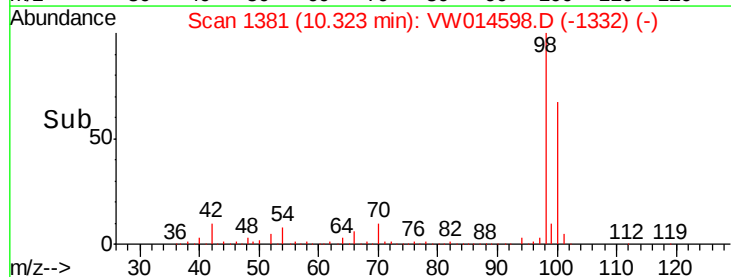
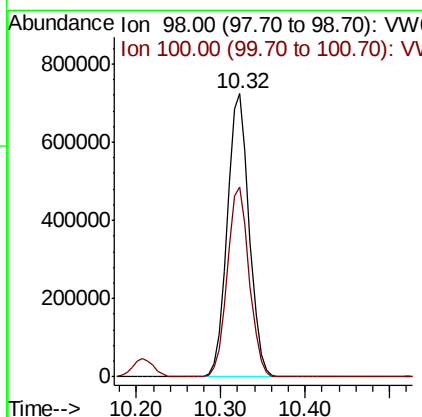
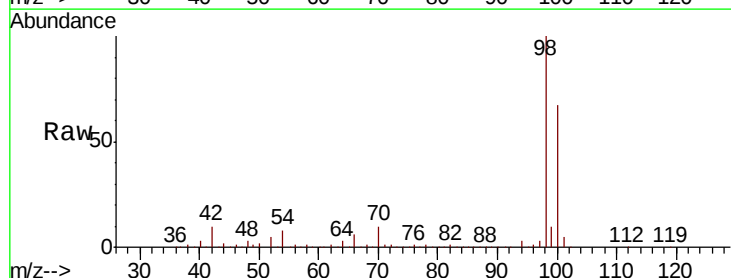
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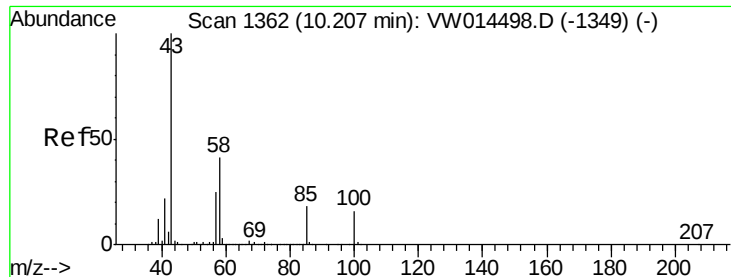
MMDadoda  
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#50  
Toluene-d8  
Concen: 49.438 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | 98    | Resp  | 1279449 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 67.1  | 53.8  | 80.6    |





#51

4-Methyl-2-Pentanone

Concen: 108.610 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

ClientSampleId :

VW0110SBS01

Tot Ion: 43 Resp: 485901

Ion Ratio Lower Upper

43 100

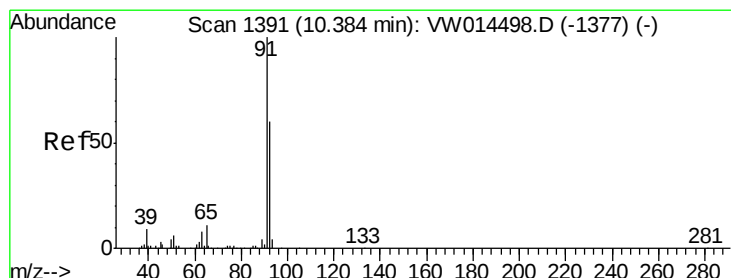
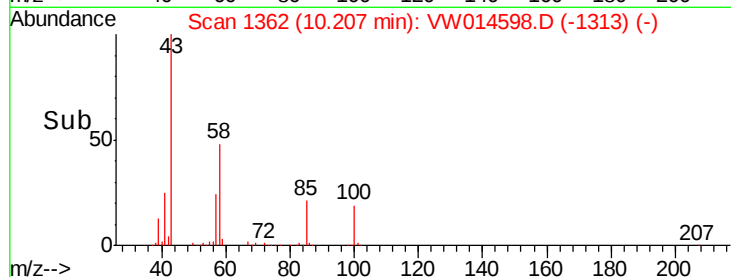
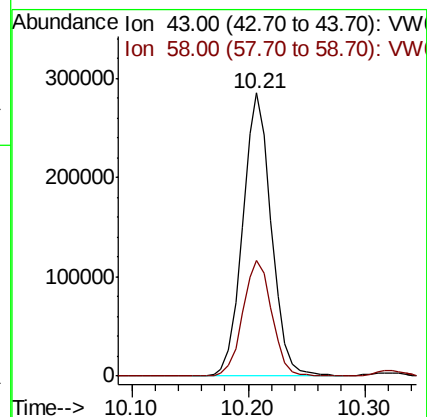
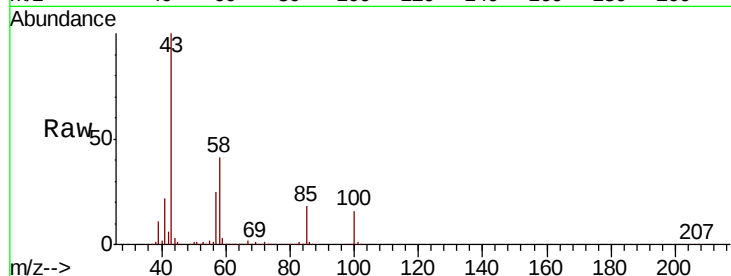
58 41.7 32.7 49.1

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#52

Toluene

Concen: 21.943 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014598.D

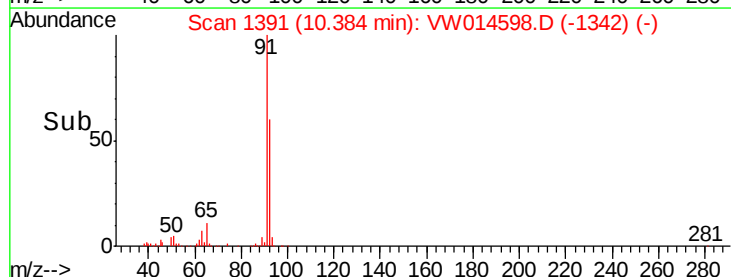
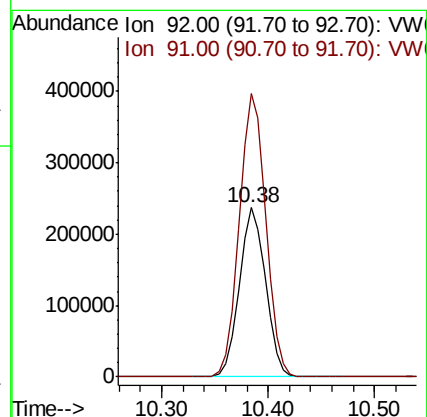
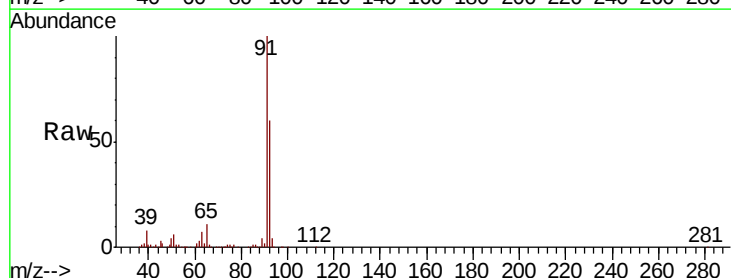
Acq: 10 Jan 2020 14:40

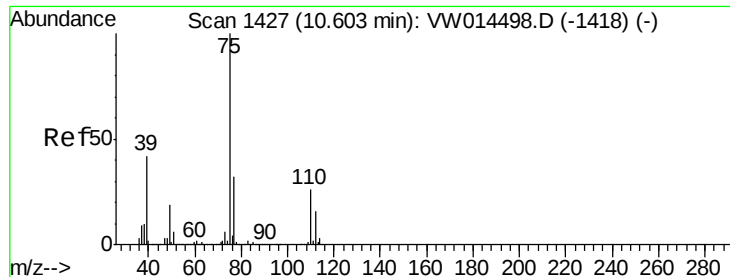
Tgt Ion: 92 Resp: 408568

Ion Ratio Lower Upper

92 100

91 170.4 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 21.196 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

ClientSampleID :

VW0110SBSD01

Tot Ion: 75 Resp: 194262

Ion Ratio Lower Upper

75 100

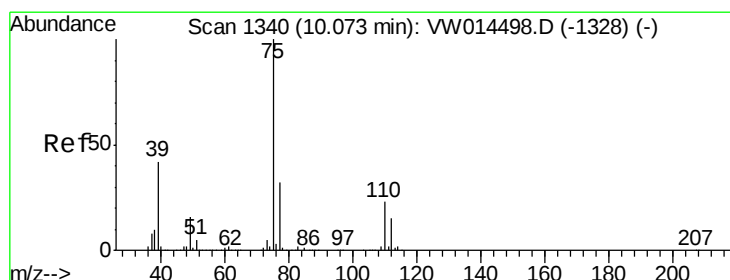
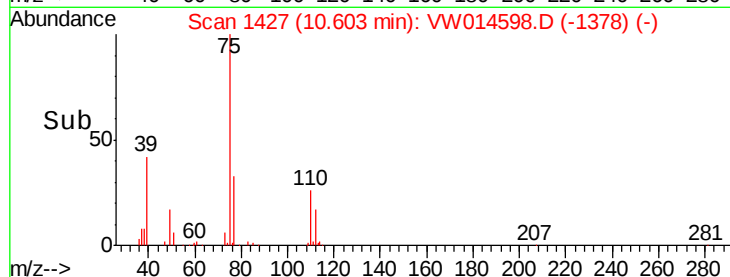
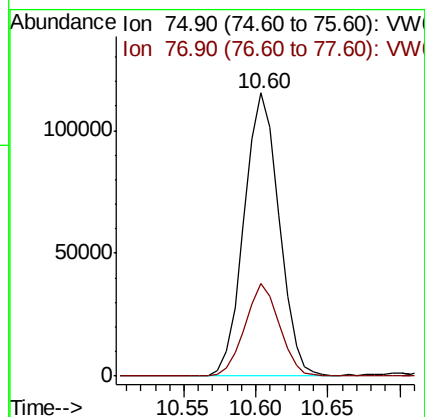
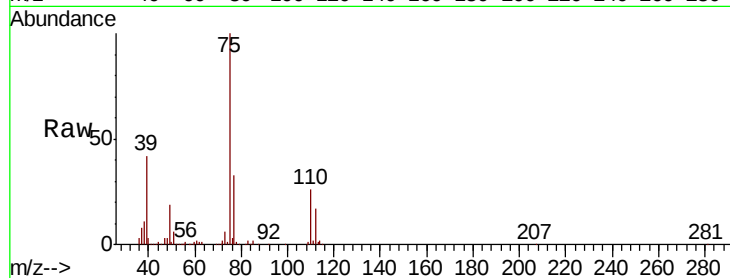
77 32.8 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 21.388 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

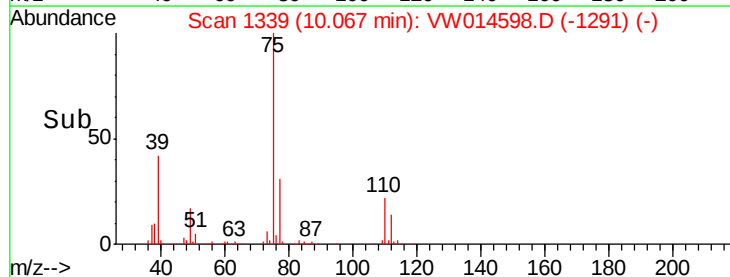
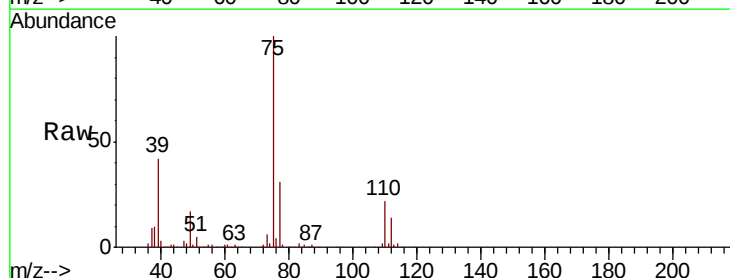
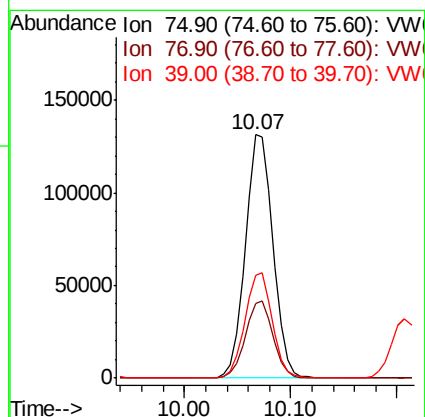
Tgt Ion: 75 Resp: 239582

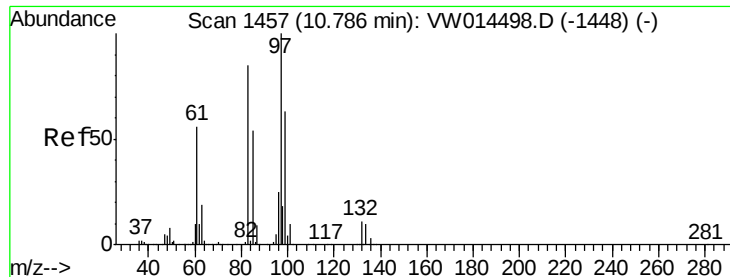
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 42.2 33.4 50.2





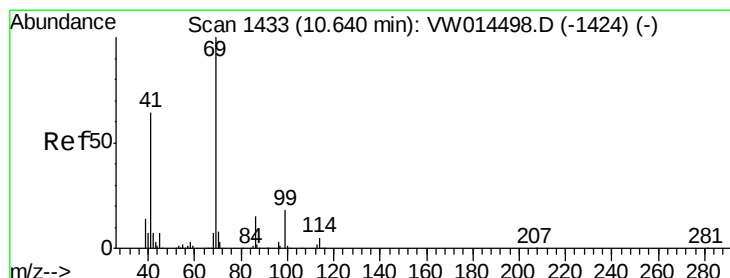
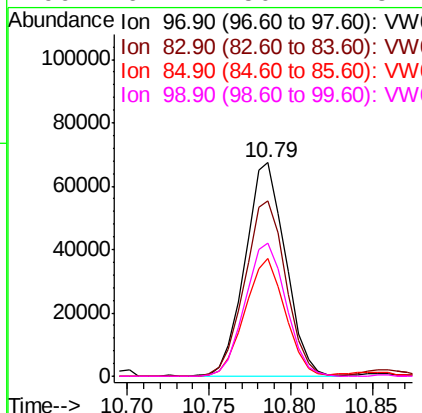
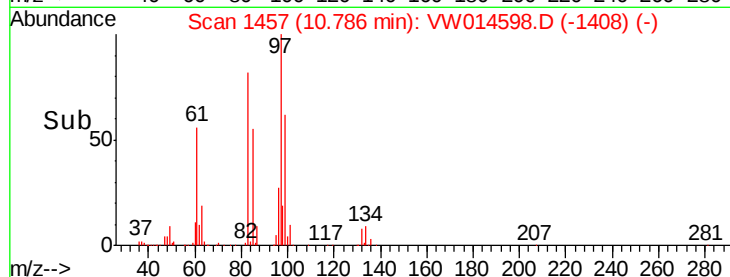
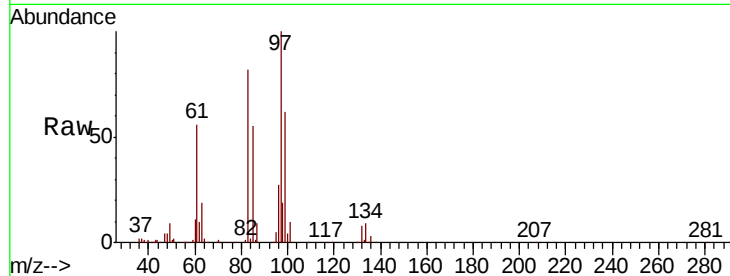
#55  
 1,1,2-Trichloroethane  
 Concen: 22.261 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: VW014598.D  
 Acq: 10 Jan 2020 14:40

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0110SBSD01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 116570 |       |       |
| 83      | 81.8 | 68.2  | 102.4  |       |       |
| 85      | 55.0 | 43.0  | 64.4   |       |       |
| 99      | 62.2 | 50.1  | 75.1   |       |       |

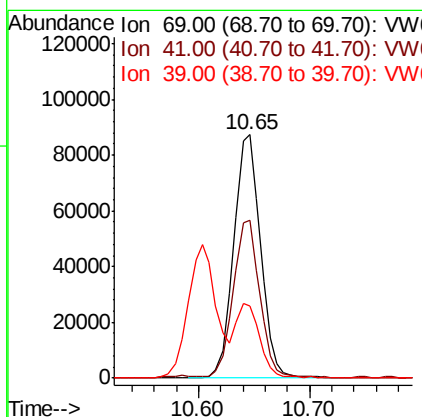
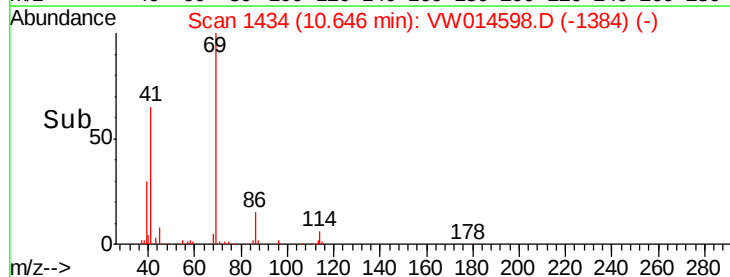
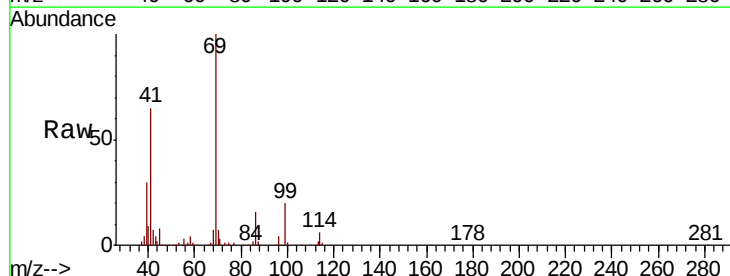
Manual Integrations  
 APPROVED

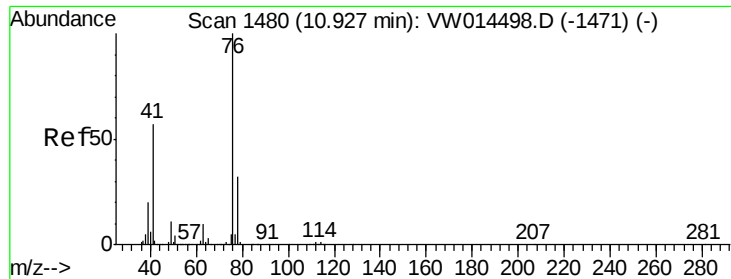
MMDadoda  
 1/13/2020 12:01:38 PM



#56  
 Ethyl methacrylate  
 Concen: 21.429 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.01 min  
 Lab File: VW014598.D  
 Acq: 10 Jan 2020 14:40

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 145833 |       |       |
| 41      | 63.1 | 51.3  | 76.9   |       |       |
| 39      | 26.4 | 21.0  | 31.6   |       |       |





#57

1,3-Dichloropropane

Concen: 21.972 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

ClientSampleId :

VW0110SBSD01

Tot Ion: 76 Resp: 202212

Ion Ratio Lower Upper

76 100

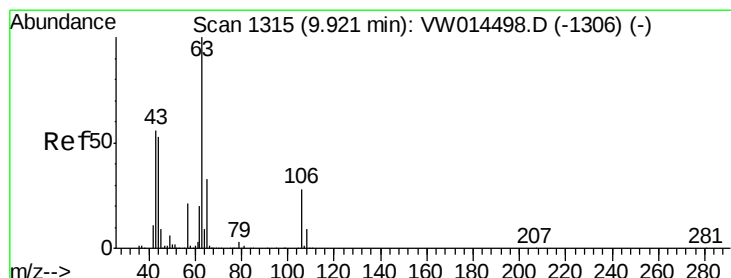
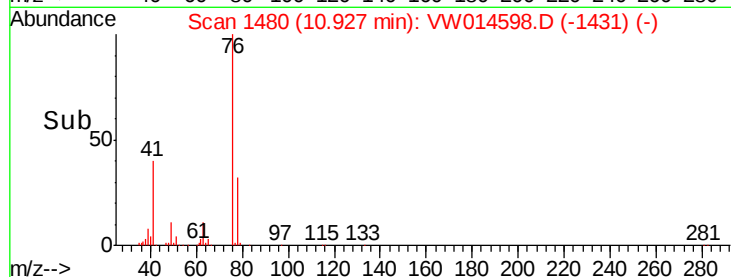
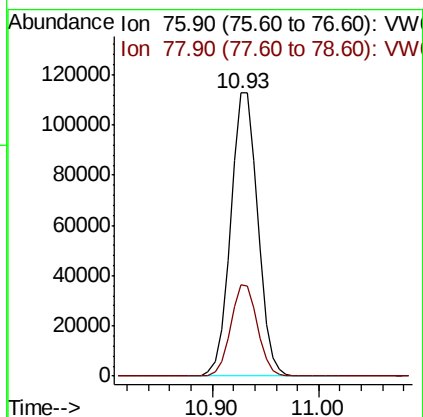
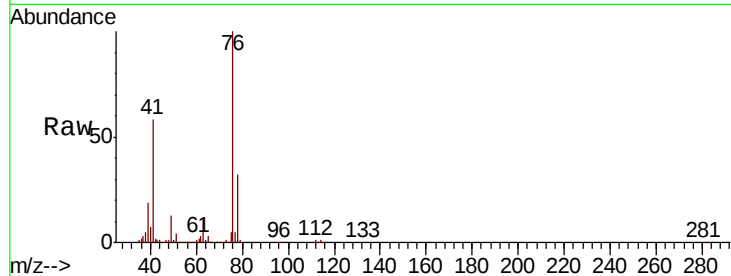
78 31.7 25.9 38.9

Manual Integrations

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1/13/2020 12:01:38 PM



#58

2-Chloroethyl Vinyl ether

Concen: 104.476 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014598.D

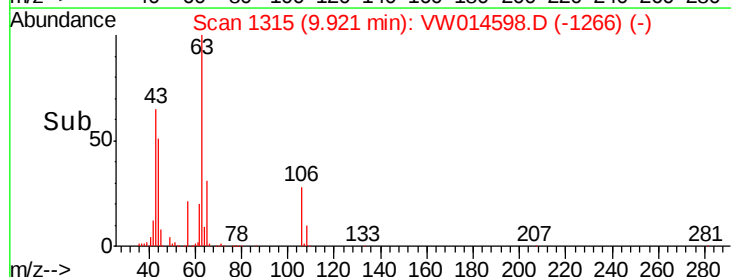
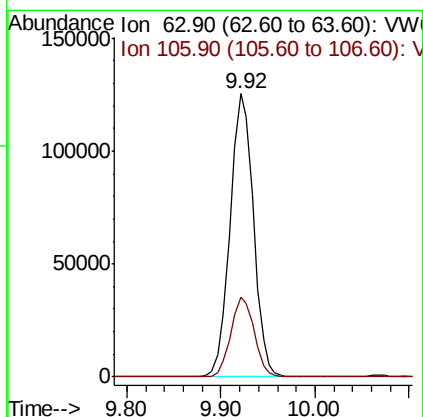
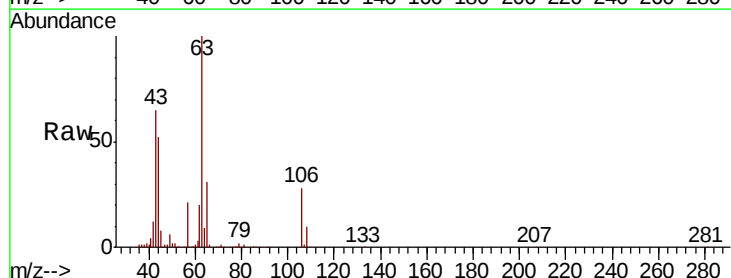
Acq: 10 Jan 2020 14:40

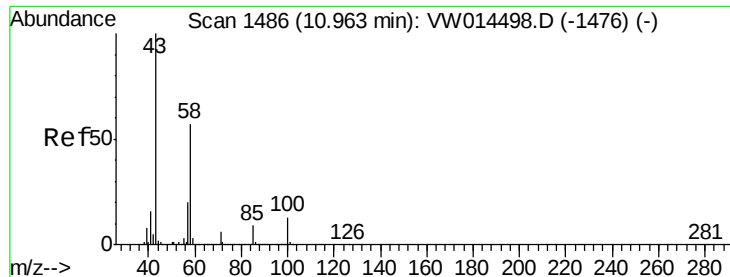
Tgt Ion: 63 Resp: 216235

Ion Ratio Lower Upper

63 100

106 28.2 23.0 34.6





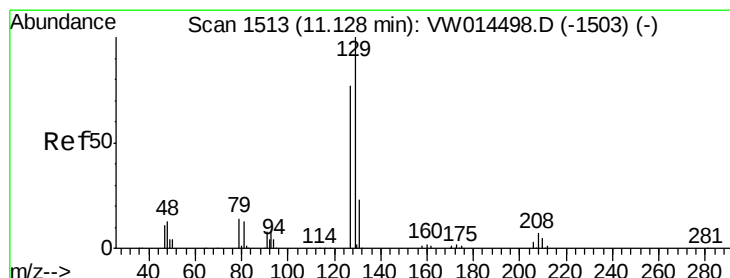
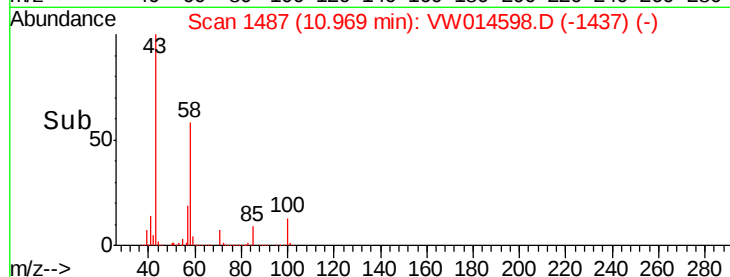
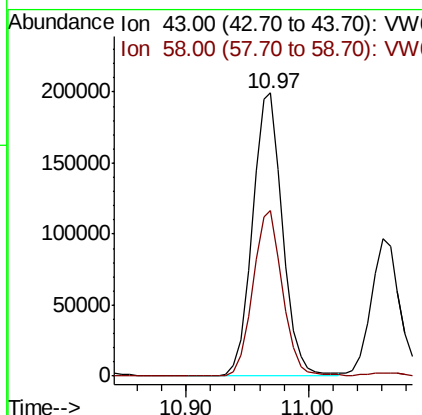
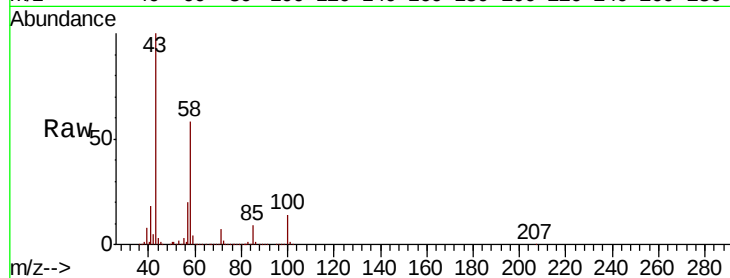
#59  
2-Hexanone  
Concen: 110.570 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.01 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

Tot Ion: 43 Resp: 340871  
Ion Ratio Lower Upper  
43 100  
58 57.4 28.7 86.3

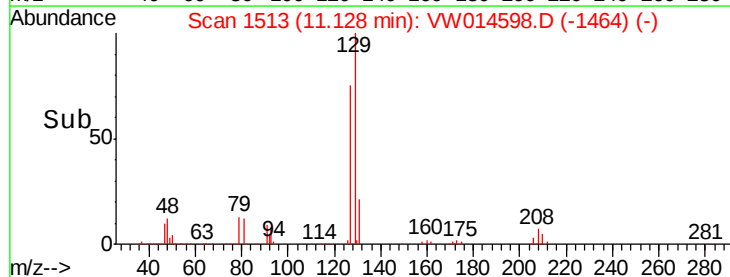
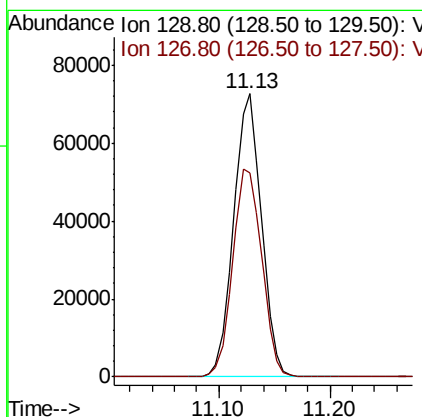
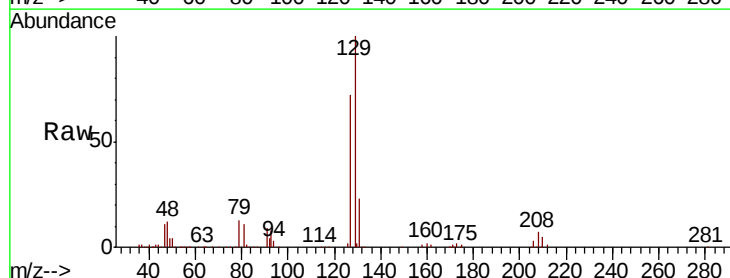
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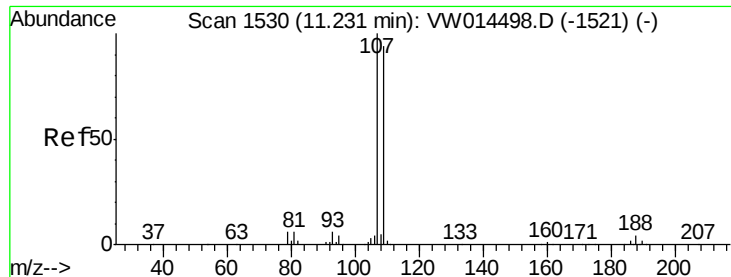
MMDadoda  
1/13/2020 12:01:38 PM



#60  
Dibromochloromethane  
Concen: 21.270 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Tgt Ion: 129 Resp: 125670  
Ion Ratio Lower Upper  
129 100  
127 76.6 38.1 114.5





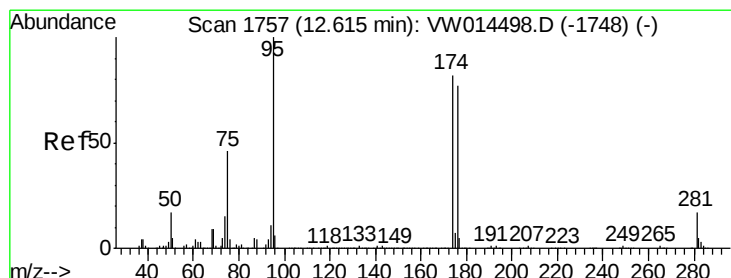
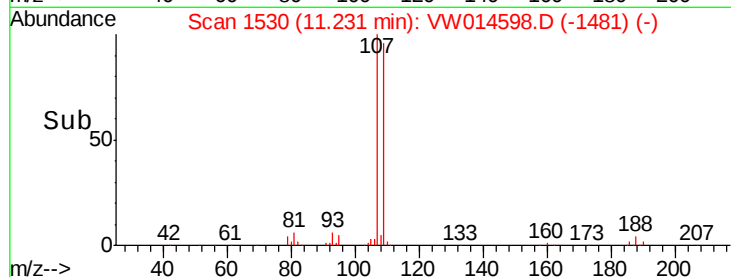
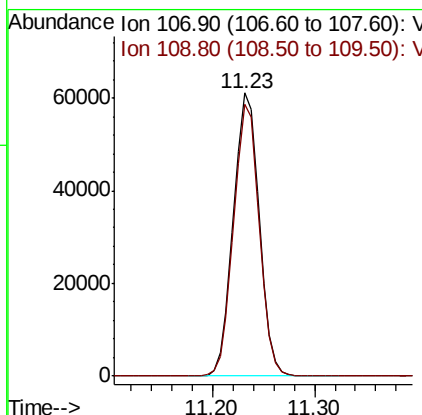
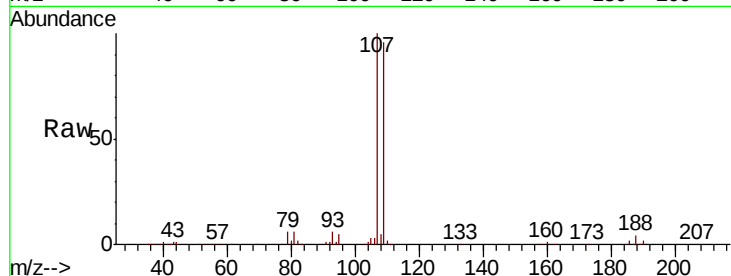
#61  
1,2-Dibromoethane  
Concen: 21.501 ug/l  
RT: 11.23 min Scan# 1530  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.3  | 75.1  | 112.7 |

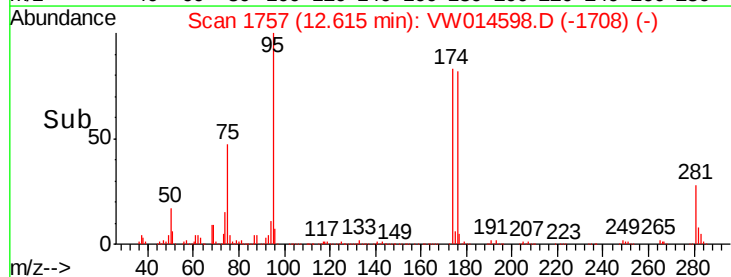
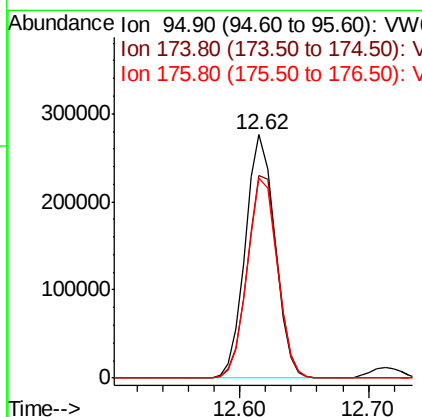
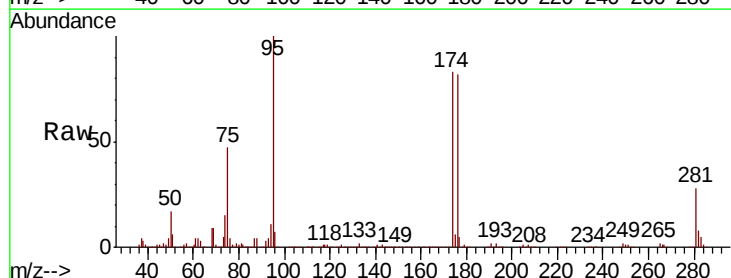
Manual Integrations  
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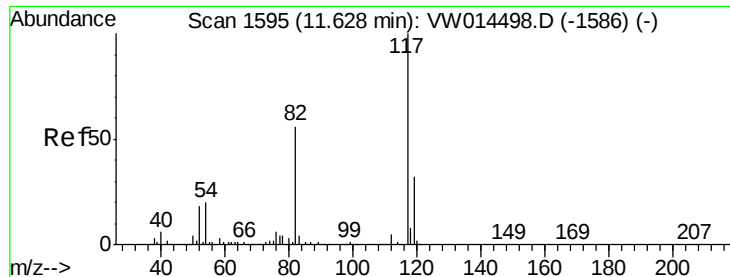
MMDadoda  
1/13/2020 12:01:38 PM



#62  
4-Bromofluorobenzene  
Concen: 49.976 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 85.2  | 0.0   | 168.6 |
| 176     | 83.0  | 0.0   | 162.0 |





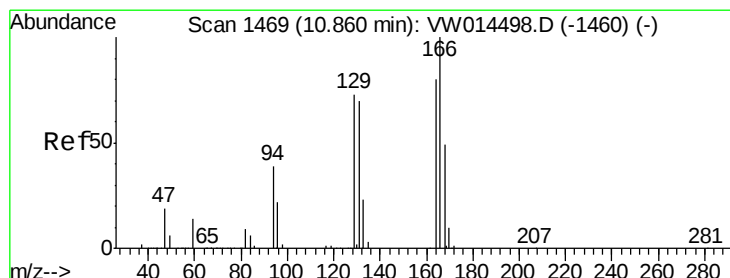
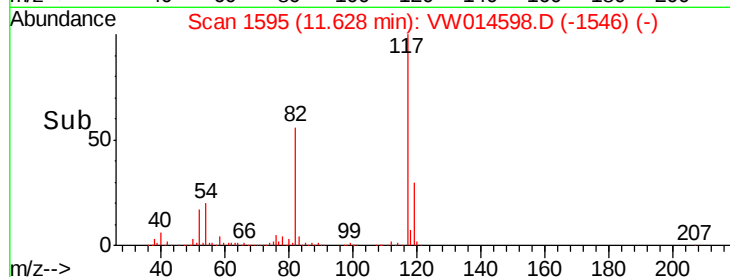
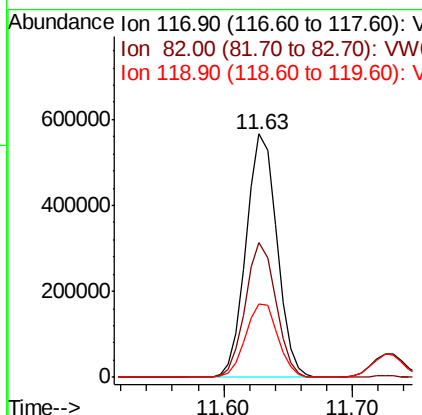
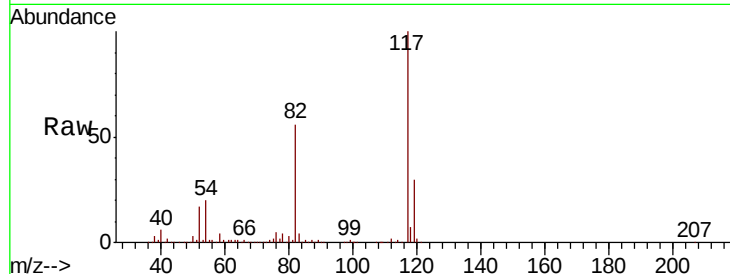
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.6  | 44.6  | 67.0  |
| 119     | 30.1  | 25.7  | 38.5  |

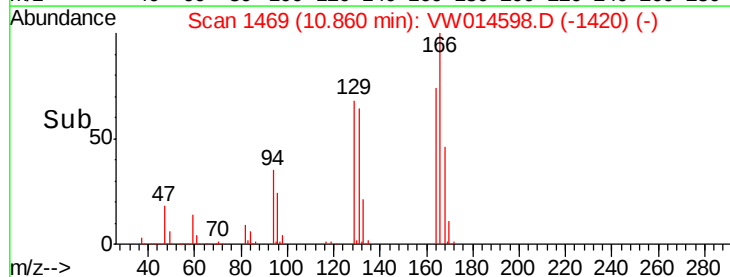
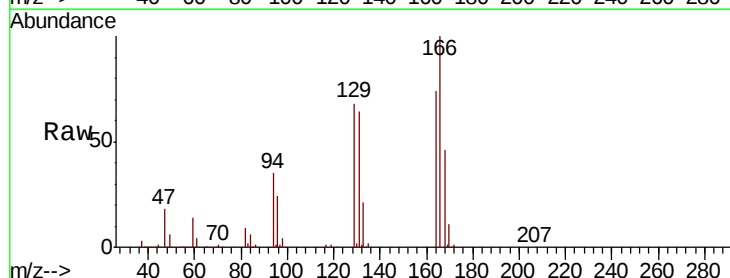
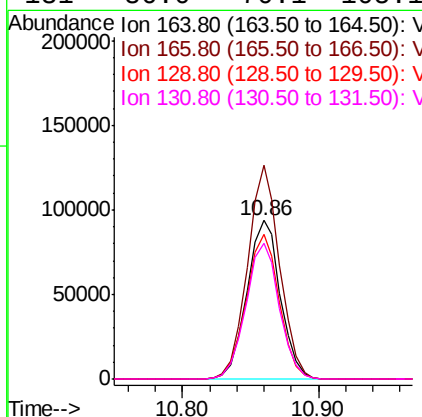
Manual Integrations  
APPROVED

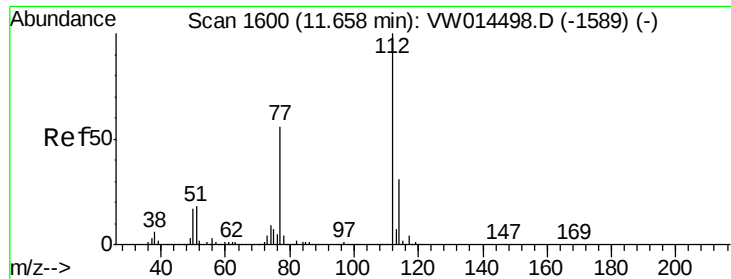
MMDadoda  
1/13/2020 12:01:38 PM



#64  
Tetrachloroethene  
Concen: 23.789 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 134.8 | 99.8  | 149.6 |
| 129     | 91.6  | 72.4  | 108.6 |
| 131     | 86.0  | 70.1  | 105.1 |





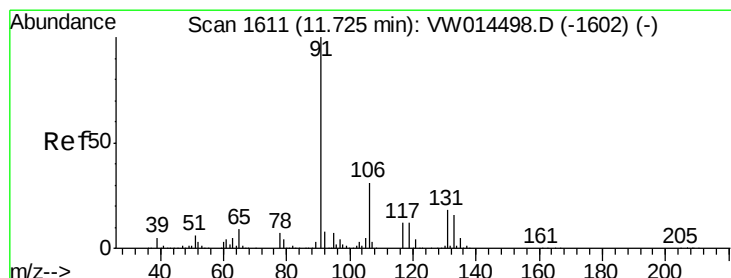
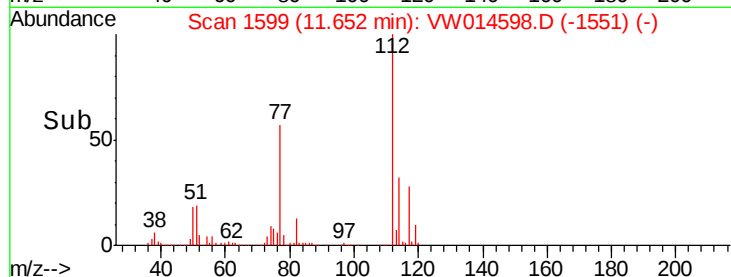
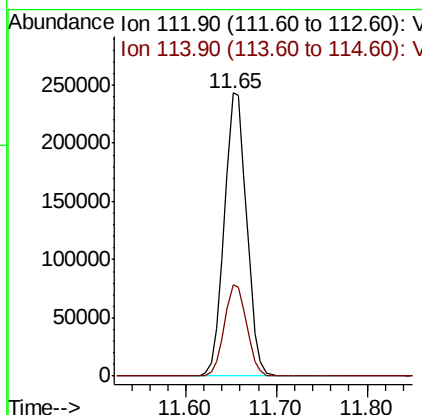
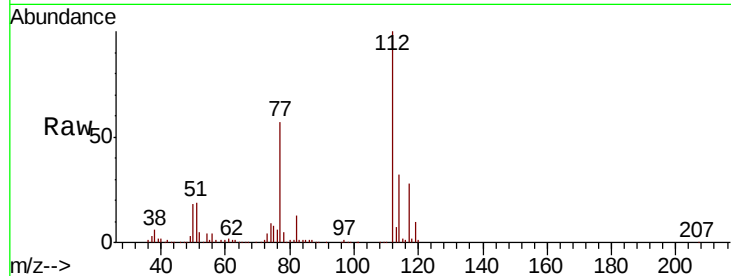
#65  
Chlorobenzene  
Concen: 21.763 ug/l  
RT: 11.65 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

Tot Ion:112 Resp: 417485  
Ion Ratio Lower Upper  
112 100  
114 32.3 24.6 37.0

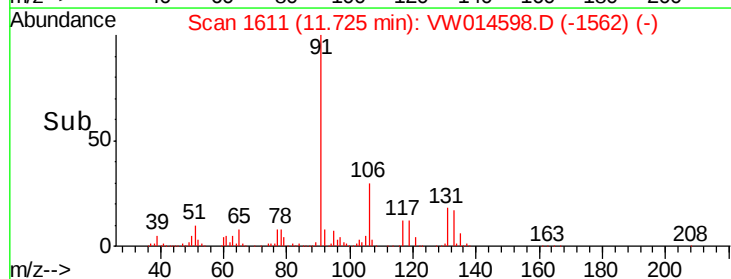
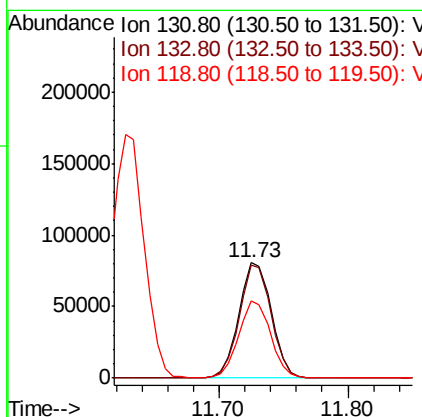
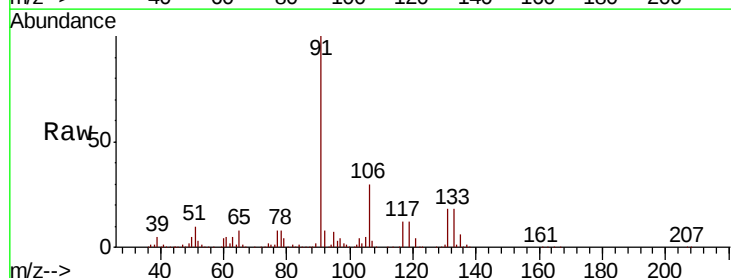
Manual Integrations  
APPROVED

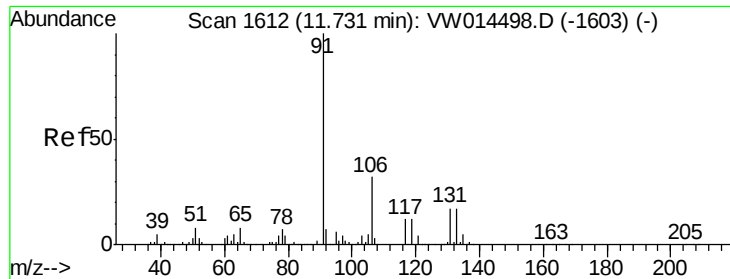
MMDadoda  
1/13/2020 12:01:38 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.692 ug/l  
RT: 11.73 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Tgt Ion:131 Resp: 140111  
Ion Ratio Lower Upper  
131 100  
133 96.4 47.3 142.0  
119 66.1 33.1 99.3





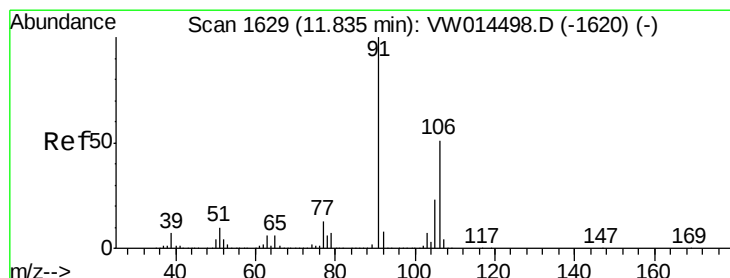
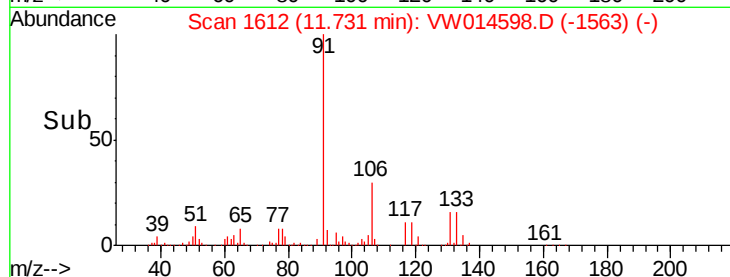
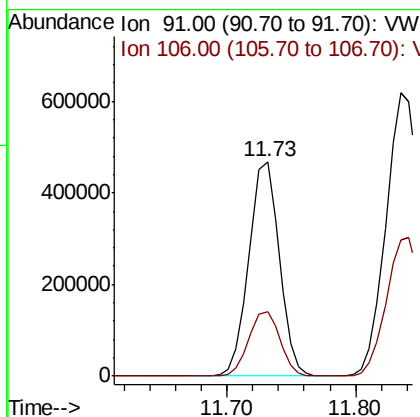
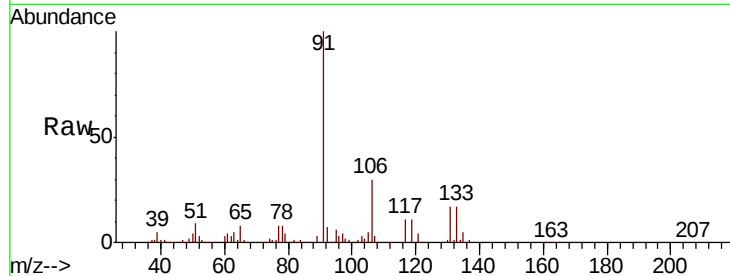
#67  
Ethyl Benzene  
Concen: 22.059 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampled :  
VW0110SBSD01

Tot Ion: 91 Resp: 762599  
Ion Ratio Lower Upper  
91 100  
106 30.4 25.5 38.3

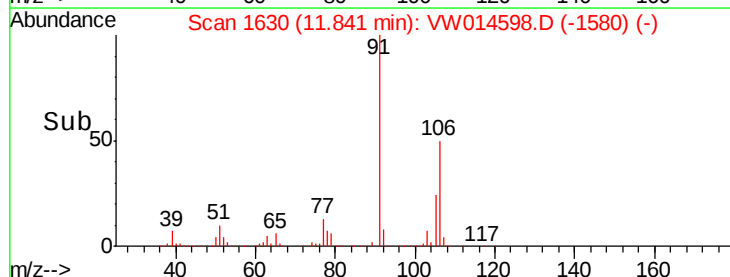
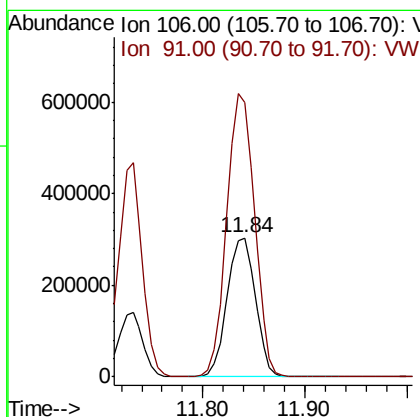
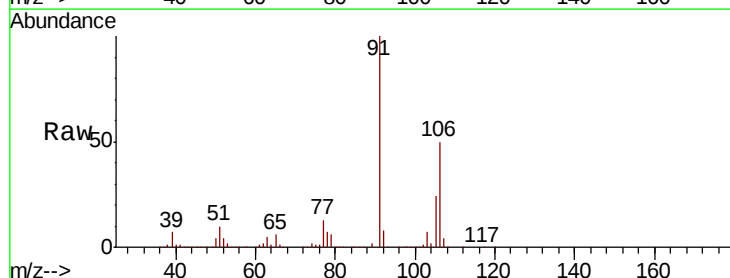
Manual Integrations  
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1/13/2020 12:01:38 PM



#68  
m/p-Xylenes  
Concen: 44.022 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.01 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Tgt Ion: 106 Resp: 582479  
Ion Ratio Lower Upper  
106 100  
91 201.1 159.0 238.6





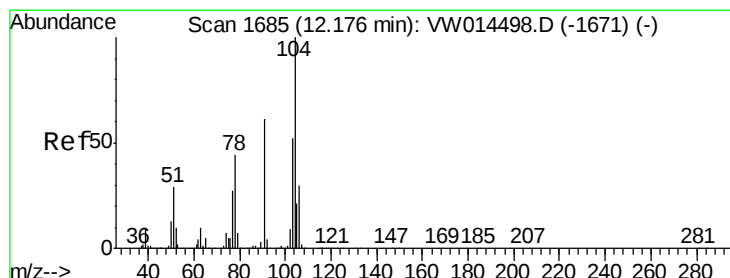
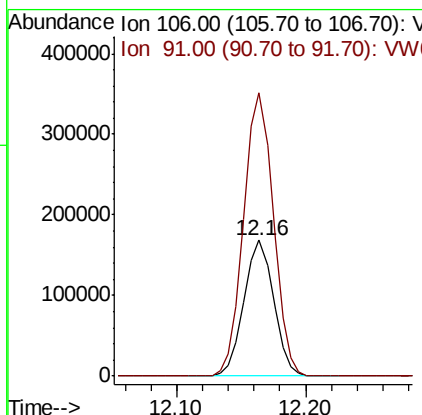
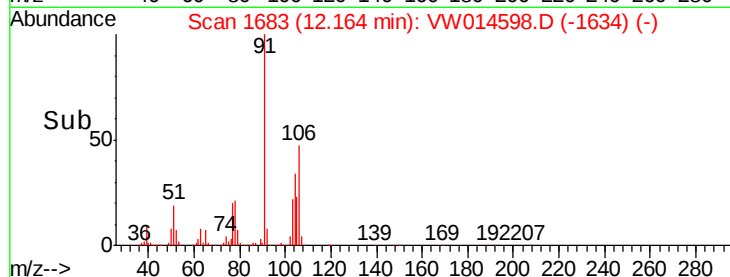
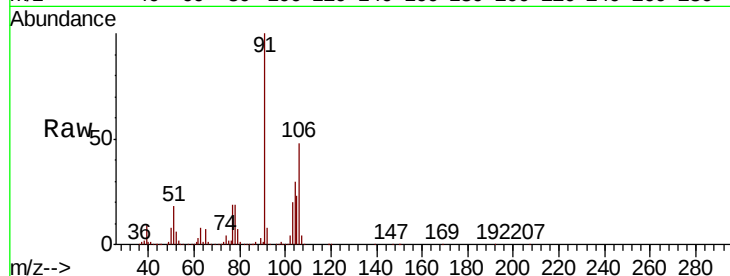
#69  
o-Xylene  
Concen: 21.939 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 268136  | 106 | 100   |       |       |
|         | 91  | 209.6 | 105.2 | 315.6 |

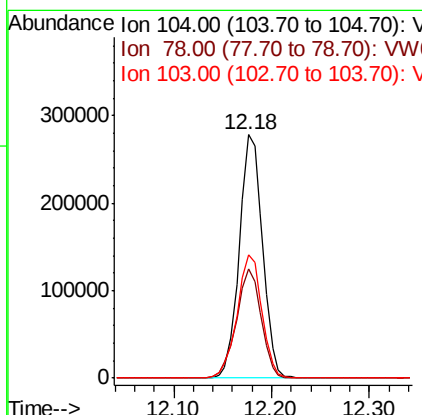
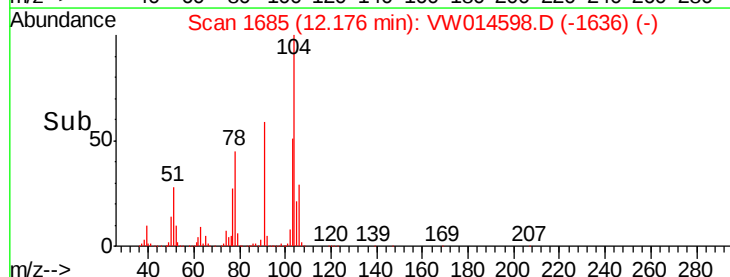
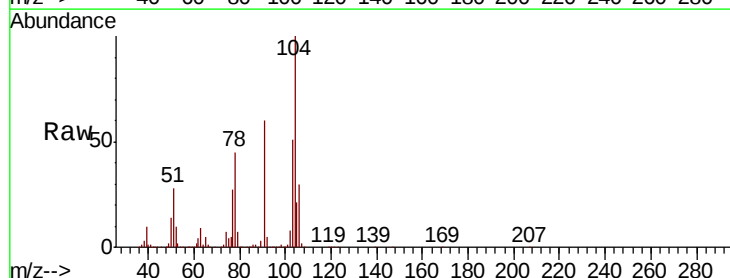
Manual Integrations  
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MMDadoda  
1/13/2020 12:01:38 PM



#70  
Styrene  
Concen: 22.199 ug/l  
RT: 12.18 min Scan# 1685  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 458904  | 104 | 100   |       |       |
|         | 78  | 48.0  | 38.4  | 57.6  |
|         | 103 | 54.2  | 43.7  | 65.5  |





#71

Bromoform

Concen: 21.721 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

ClientSampleId :

VW0110SBSD01

Tot Ion:173 Resp: 76524

Ion Ratio Lower Upper

173 100

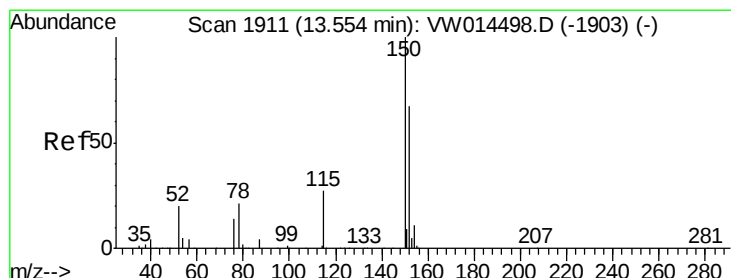
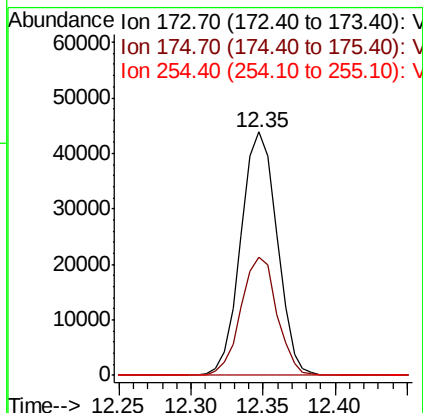
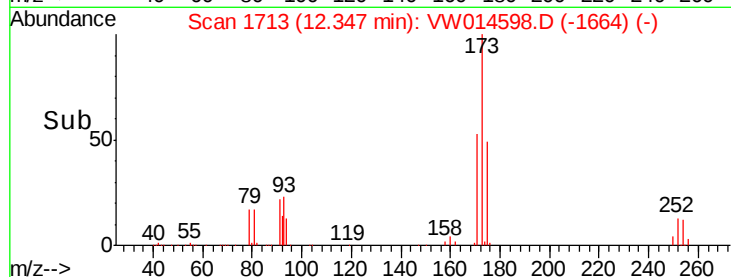
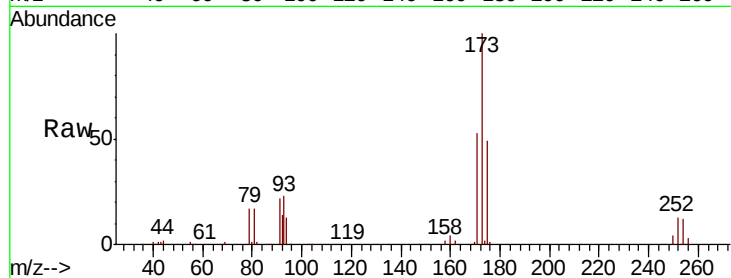
175 48.2 24.5 73.5

254 0.2 0.0 0.0#

Manual Integrations  
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

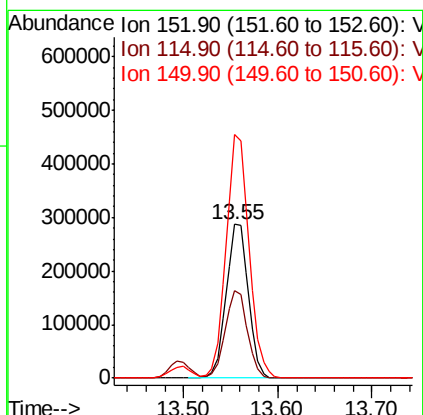
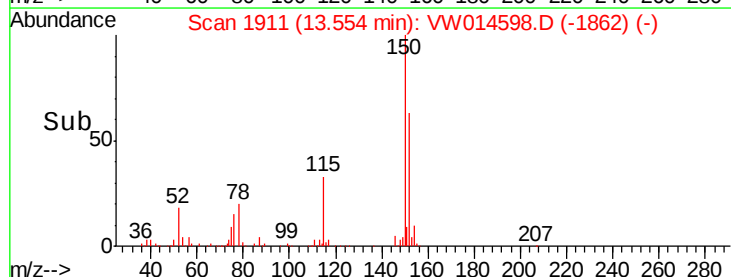
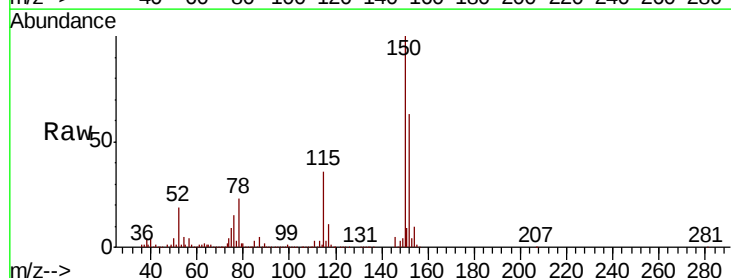
Tgt Ion:152 Resp: 466081

Ion Ratio Lower Upper

152 100

115 56.5 27.7 83.1

150 164.2 0.0 343.4





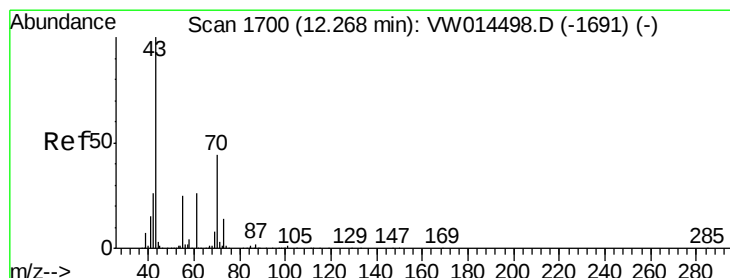
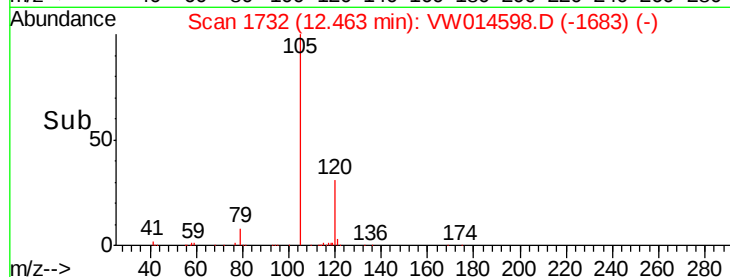
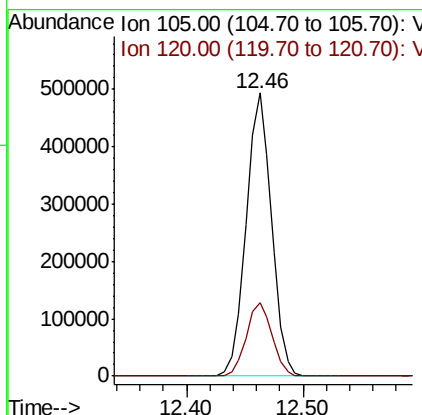
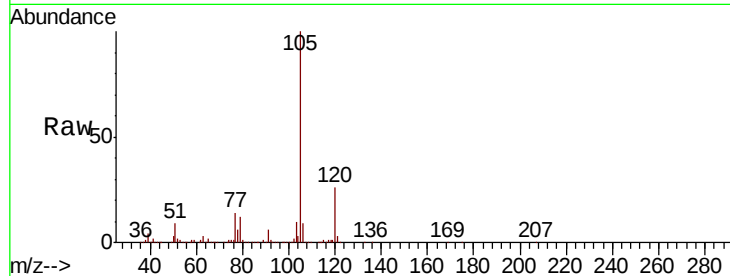
#73  
Isopropylbenzene  
Concen: 21.932 ug/l  
RT: 12.46 min Scan# 1732  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.4  | 13.4  | 40.1  |

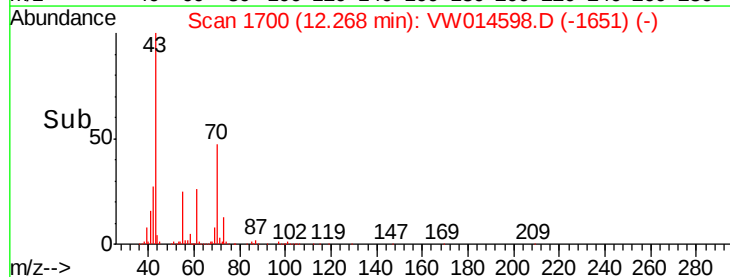
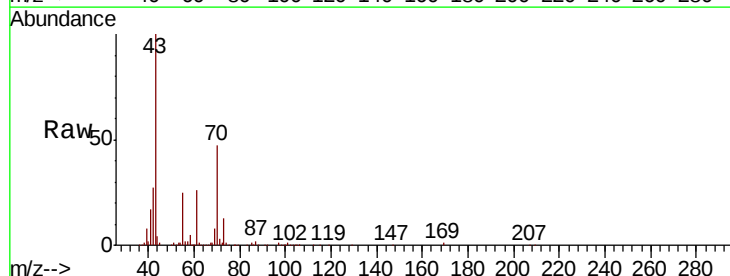
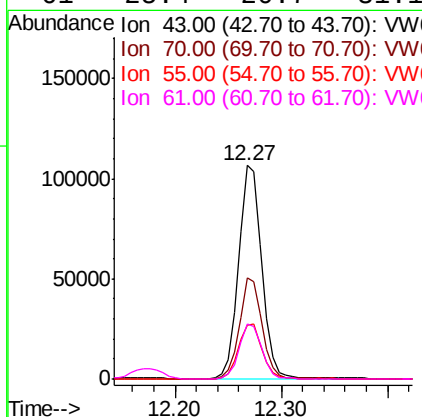
Manual Integrations  
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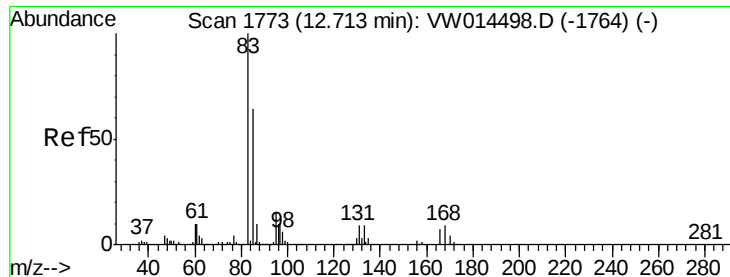
MMDadoda  
1/13/2020 12:01:38 PM



#74  
N-ethyl acetate  
Concen: 21.322 ug/l  
RT: 12.27 min Scan# 1700  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 45.8  | 36.5  | 54.7  |
| 55      | 26.5  | 20.9  | 31.3  |
| 61      | 25.4  | 20.7  | 31.1  |





#75

1,1,2,2-Tetrachloroethane

Concen: 21.569 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

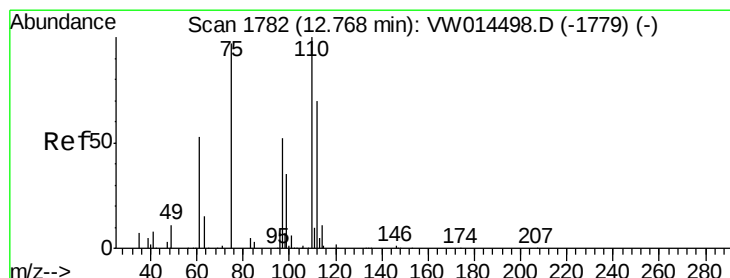
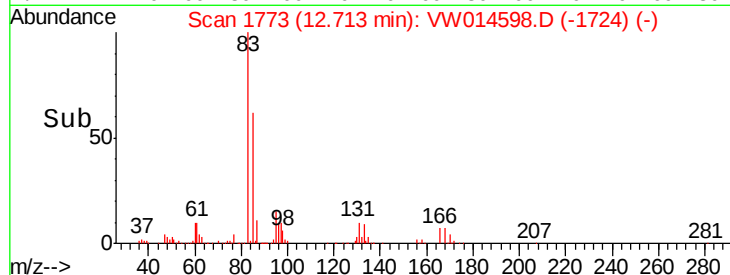
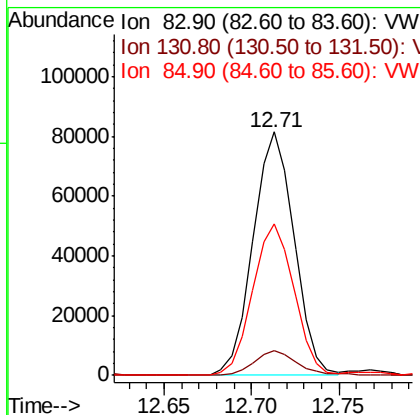
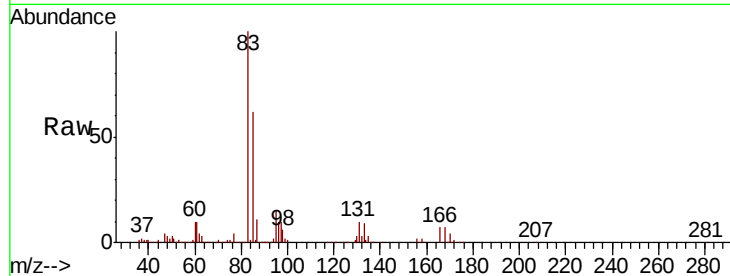
ClientSampleId :

VW0110SBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 133137 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.6  | 5.1   | 15.4   |
| 85        | 63.2  | 31.9  | 95.7   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 18.482 ug/l m

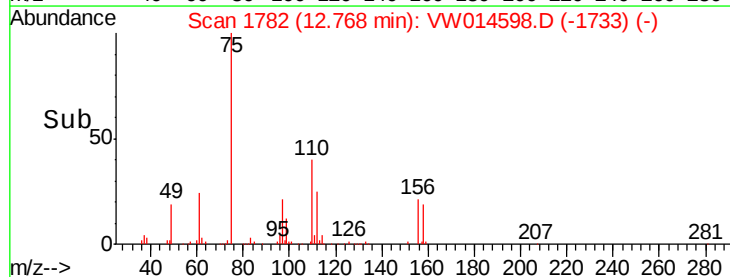
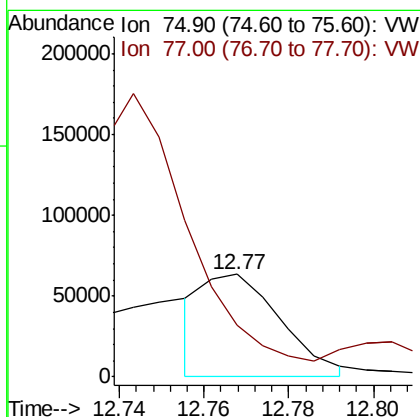
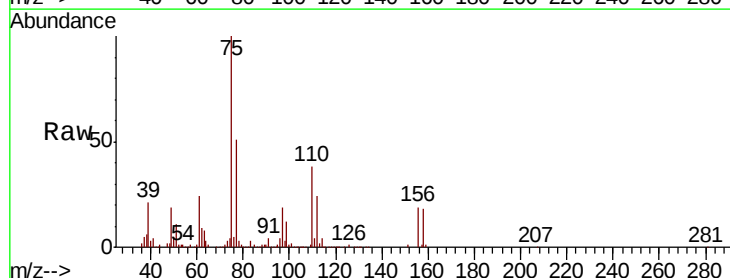
RT: 12.77 min Scan# 1782

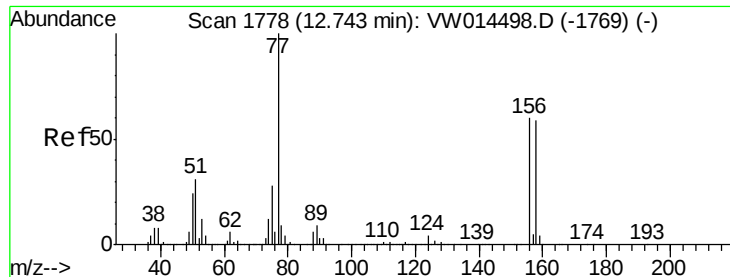
Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 81447 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 21.736 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

ClientSampleId :

VW0110SBSD01

Tot Ion:156 Resp: 172649

Ion Ratio Lower Upper

156 100

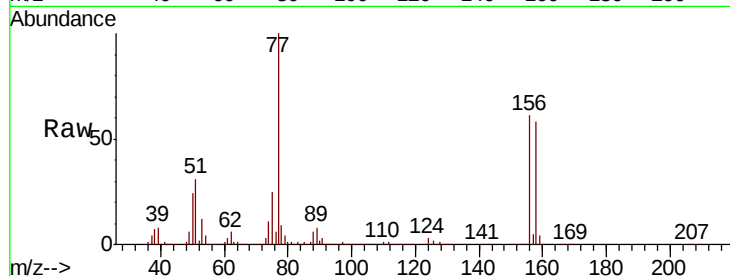
77 182.0 92.3 277.1

158 96.9 48.6 145.9

Manual Integrations  
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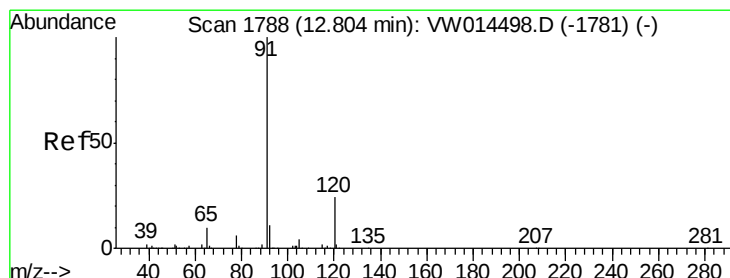
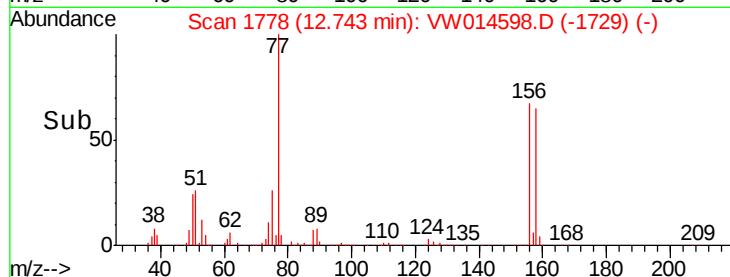
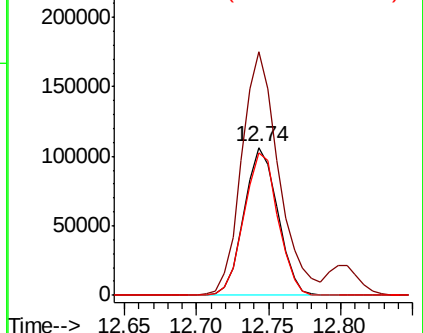
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.050 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014598.D

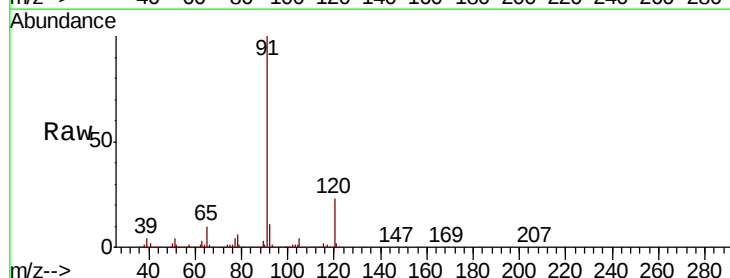
Acq: 10 Jan 2020 14:40

Tgt Ion: 91 Resp: 886738

Ion Ratio Lower Upper

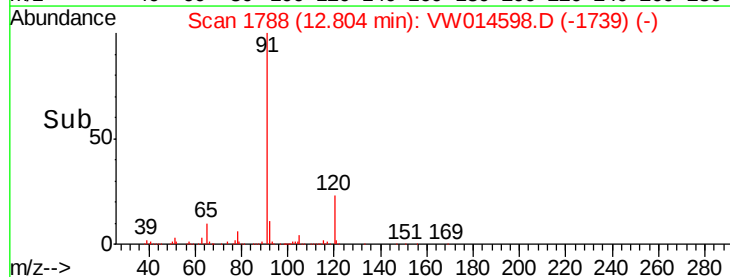
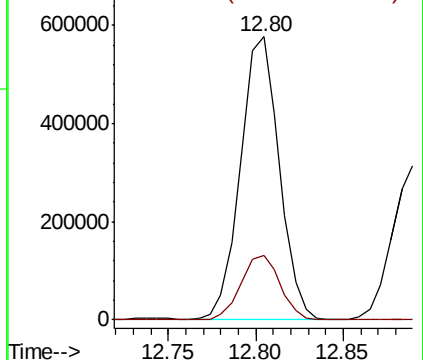
91 100

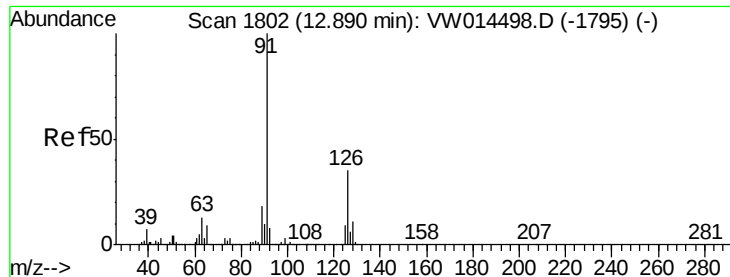
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





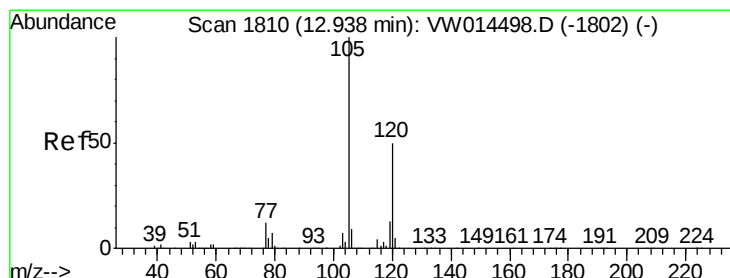
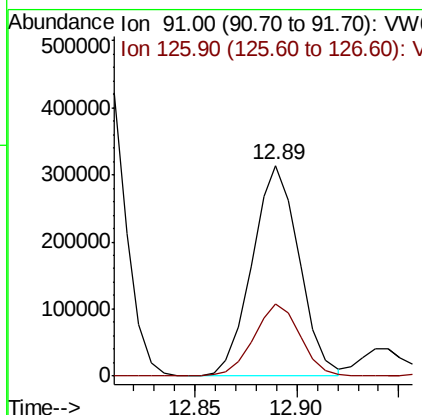
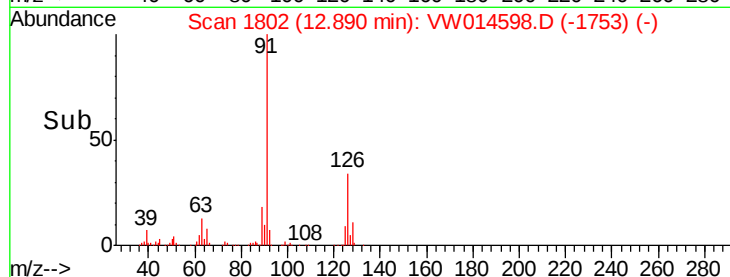
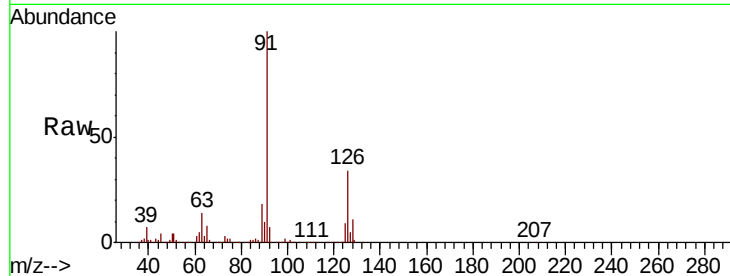
#79  
 2-Chlorotoluene  
 Concen: 21.860 ug/l  
 RT: 12.89 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: VW014598.D  
 Acq: 10 Jan 2020 14:40

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0110SBSD01

Tot Ion: 91 Resp: 500256  
 Ion Ratio Lower Upper  
 91 100  
 126 34.2 17.1 51.2

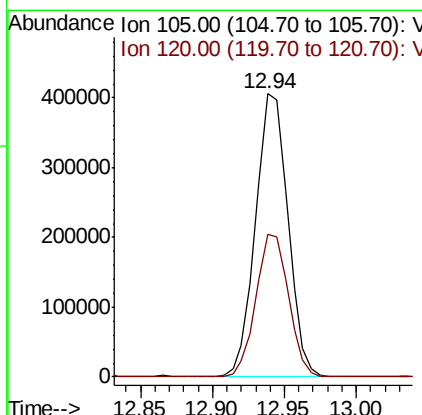
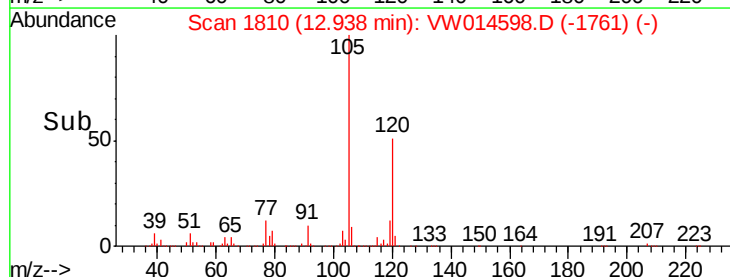
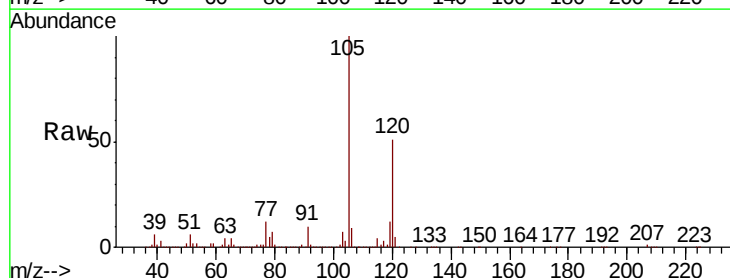
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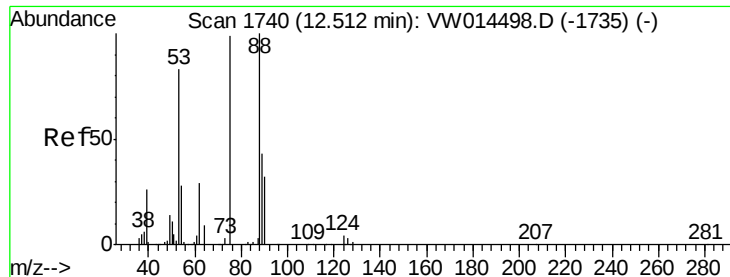
MMDadoda  
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 21.912 ug/l  
 RT: 12.94 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VW014598.D  
 Acq: 10 Jan 2020 14:40

Tgt Ion: 105 Resp: 629202  
 Ion Ratio Lower Upper  
 105 100  
 120 50.7 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.416 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

ClientSampleId :

VW0110SBSD01

Tot Ion: 75 Resp: 42358

Ion Ratio Lower Upper

75 100

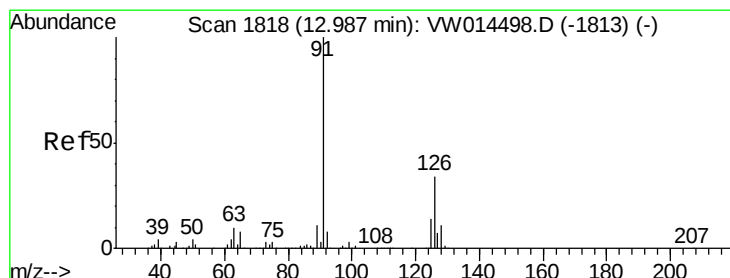
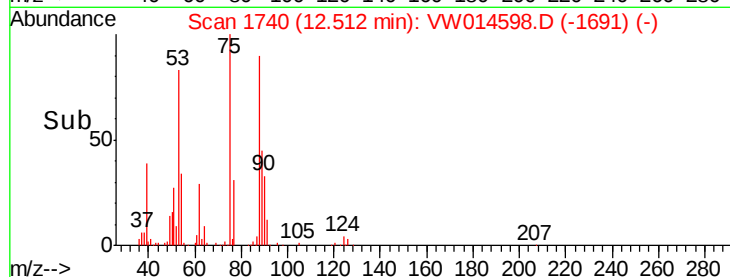
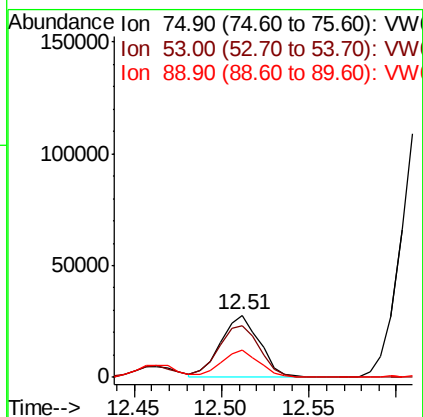
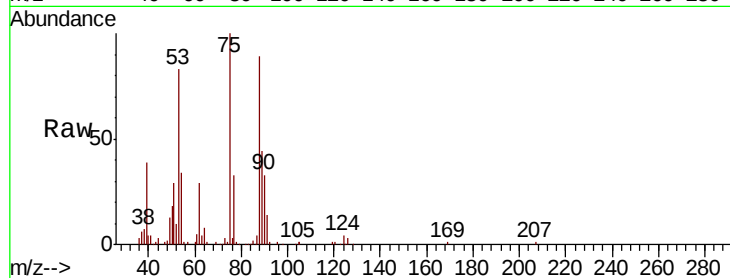
53 87.9 70.9 106.3

89 44.2 35.8 53.8

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 21.798 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW014598.D

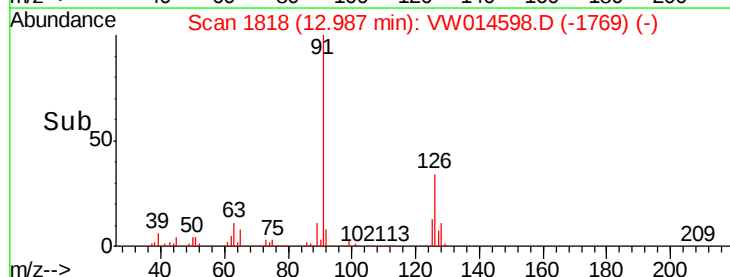
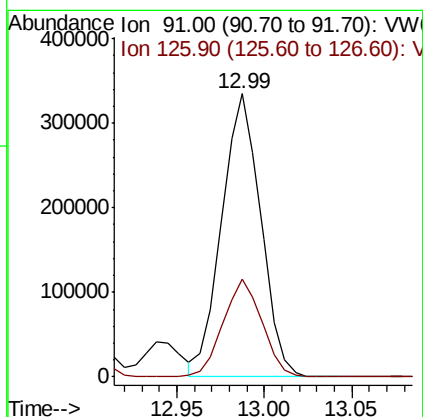
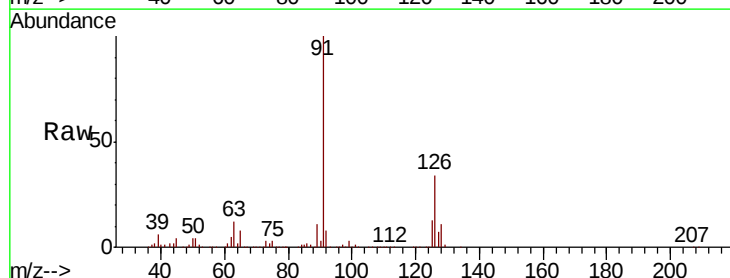
Acq: 10 Jan 2020 14:40

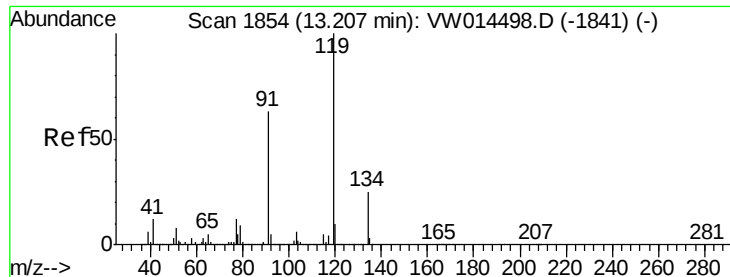
Tgt Ion: 91 Resp: 518260

Ion Ratio Lower Upper

91 100

126 34.3 17.1 51.2





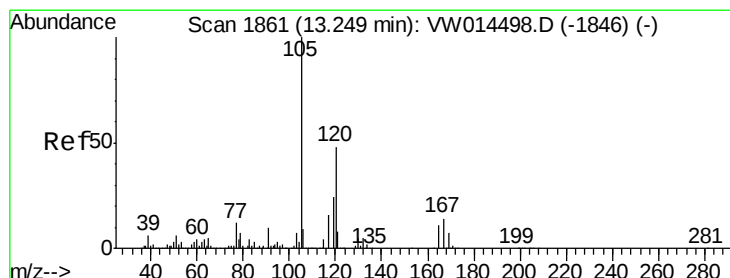
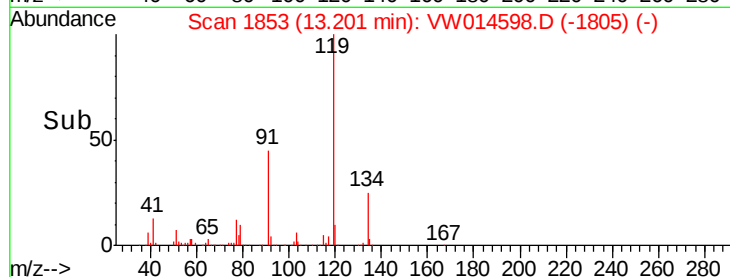
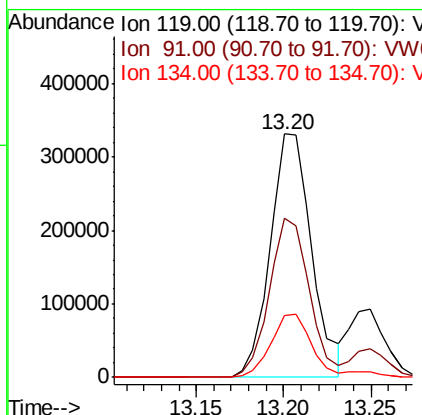
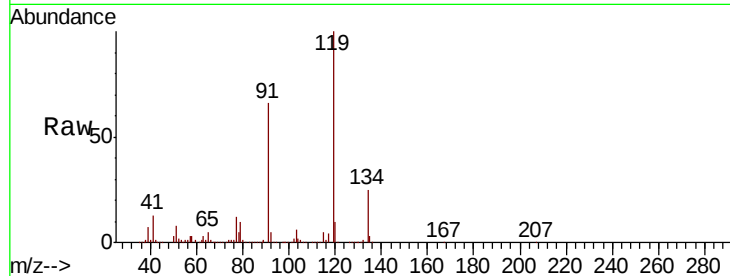
#83  
tert-Butylbenzene  
Concen: 21.775 ug/l  
RT: 13.20 min Scan# 1853  
Delta R.T. -0.01 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 62.9  | 31.1  | 93.3  |
| 134     | 27.0  | 13.5  | 40.5  |

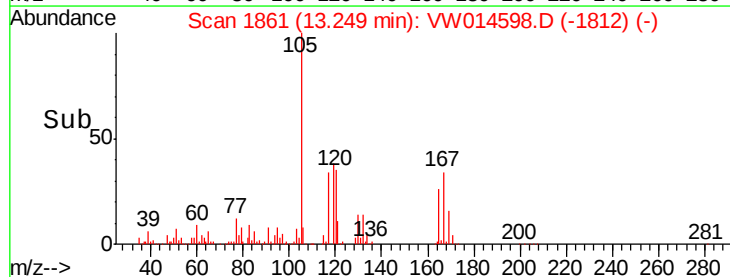
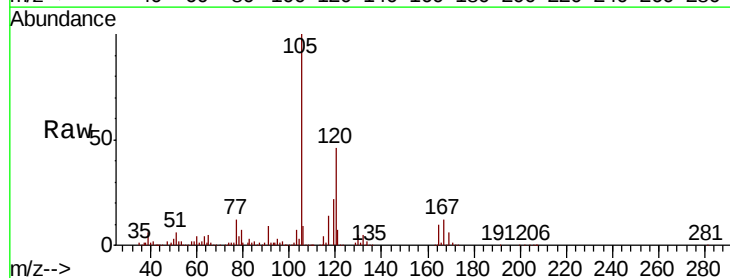
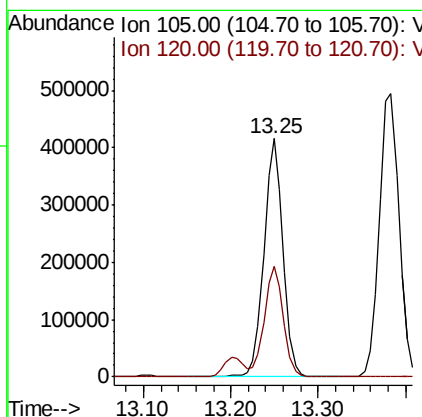
Manual Integrations  
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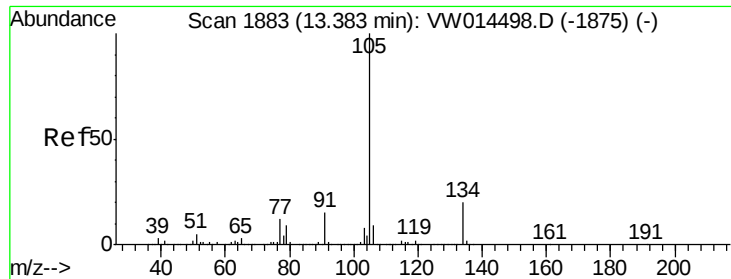
MMDadoda  
1/13/2020 12:01:38 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 22.019 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.6  | 23.4  | 70.0  |





#85

sec-Butylbenzene

Concen: 22.062 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

ClientSampleId :

VW0110SBSD01

Tot Ion:105 Resp: 767717

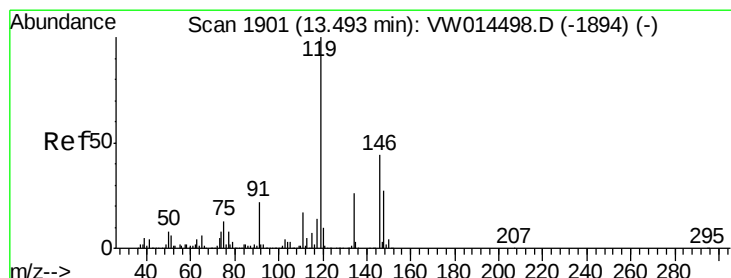
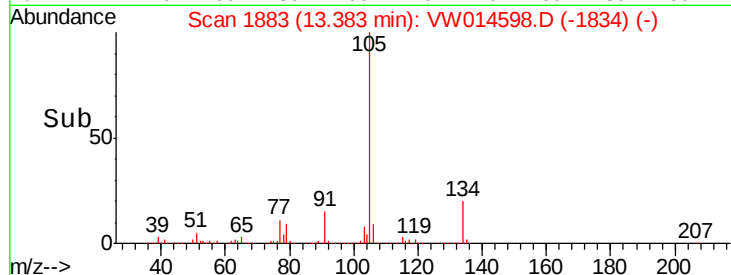
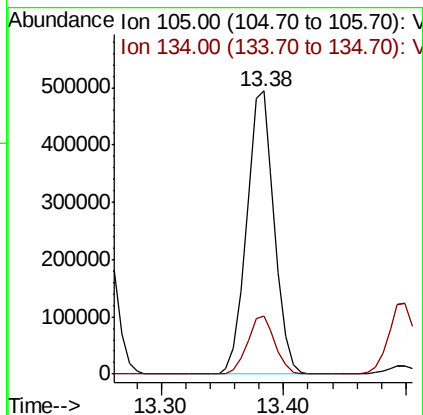
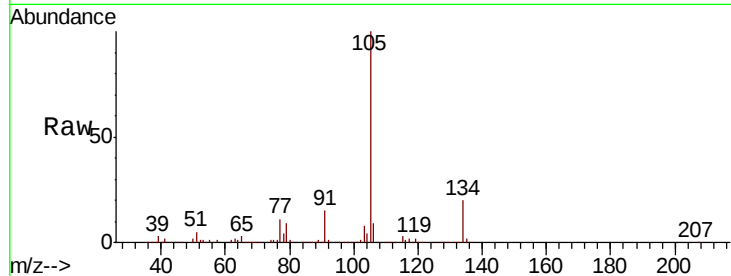
Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6

Manual Integrations  
APPROVED

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#86

p-Isopropyltoluene

Concen: 22.414 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

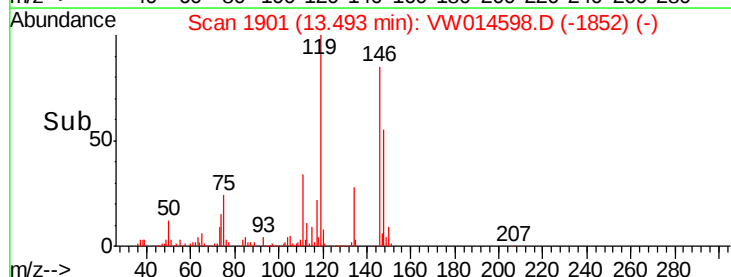
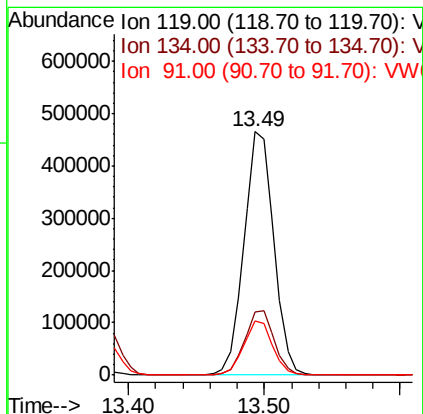
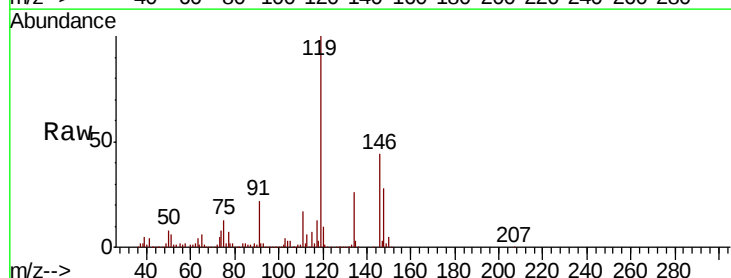
Tgt Ion:119 Resp: 710942

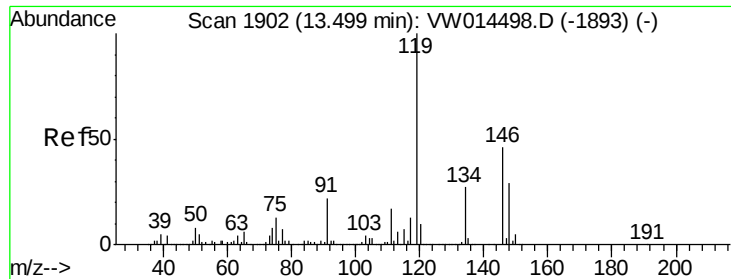
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 21.7 11.1 33.3





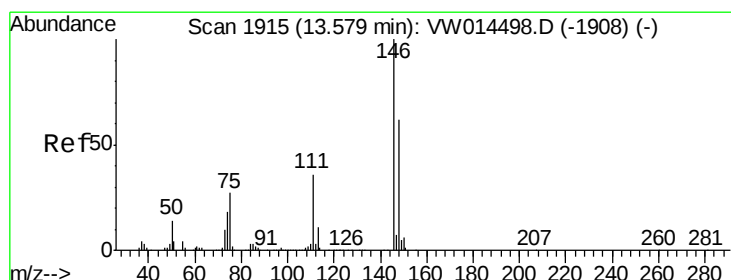
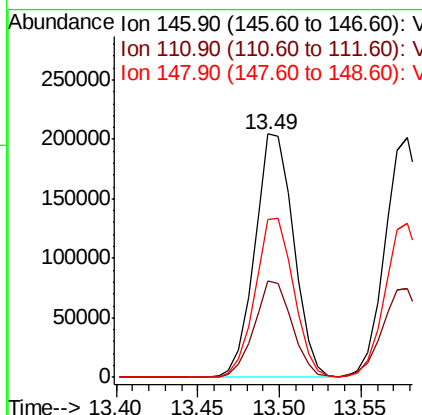
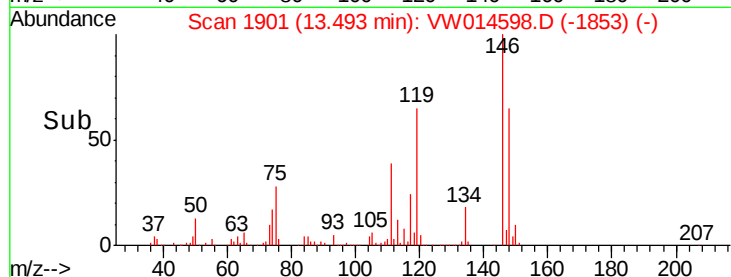
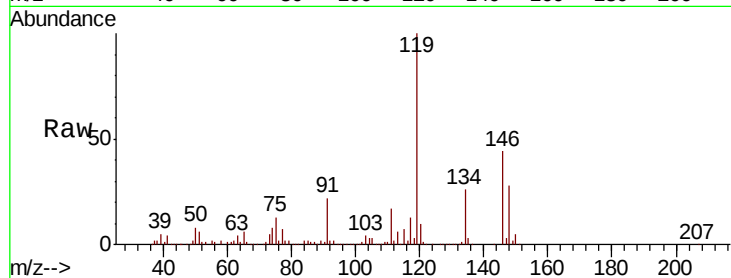
#87  
 1,3-Dichlorobenzene  
 Concen: 21.837 ug/l  
 RT: 13.49 min Scan# 1901  
 Delta R.T. -0.01 min  
 Lab File: VW014598.D  
 Acq: 10 Jan 2020 14:40

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0110SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.5  | 19.3  | 57.9  |
| 148     | 64.9  | 31.8  | 95.4  |

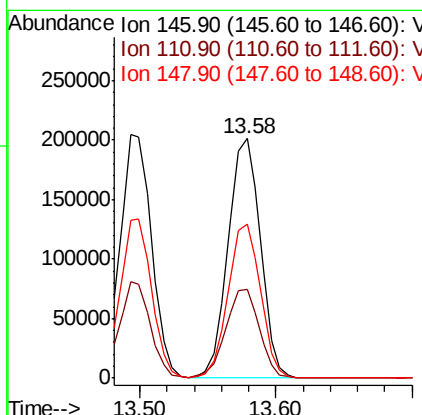
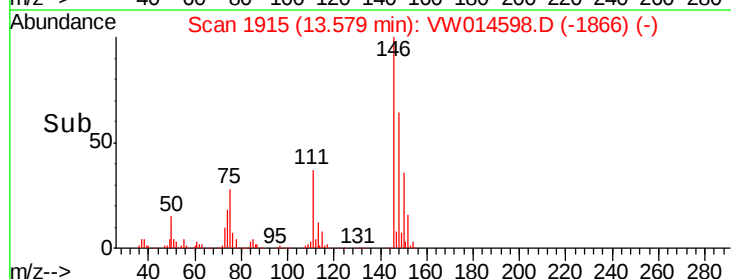
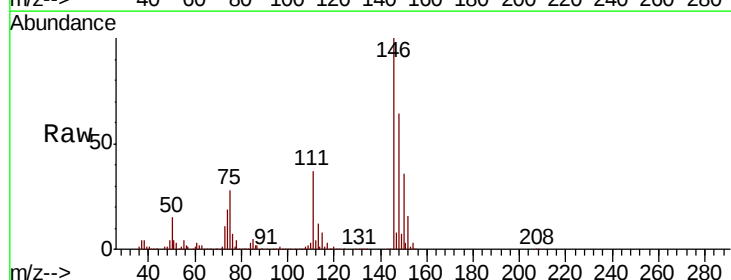
Manual Integrations  
 APPROVED

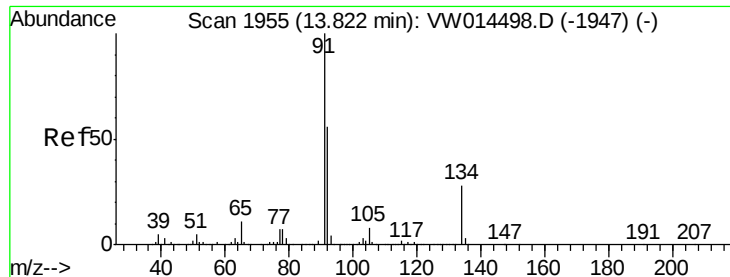
MMDadoda  
 1/13/2020 12:01:38 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 21.852 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: VW014598.D  
 Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 18.7  | 56.1  |
| 148     | 64.3  | 31.7  | 95.1  |





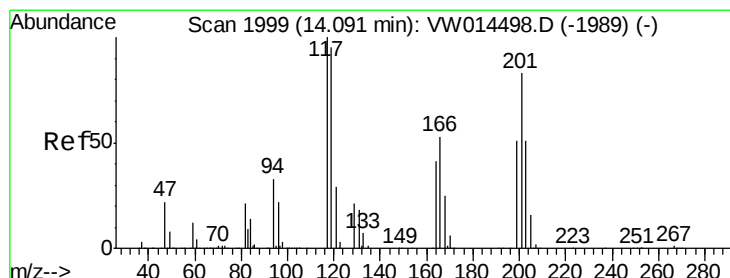
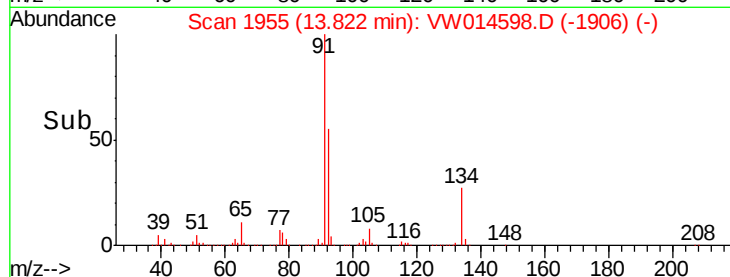
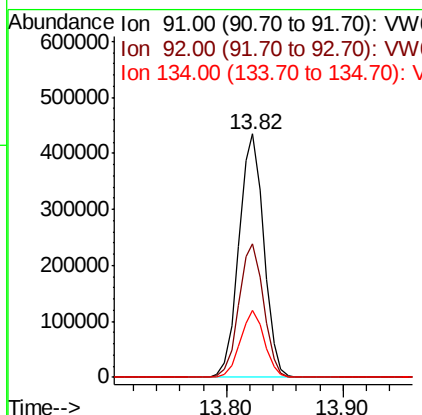
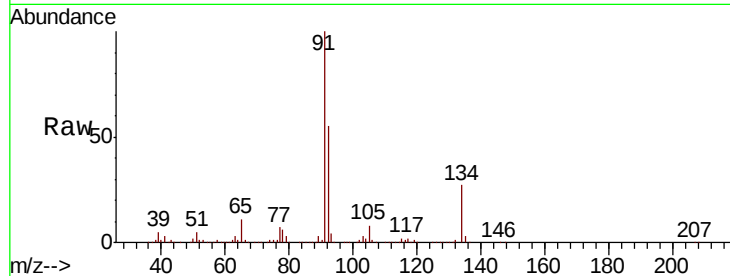
#89  
n-Butylbenzene  
Concen: 21.932 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.8  | 27.5  | 82.5  |
| 134     | 26.5  | 13.7  | 41.1  |

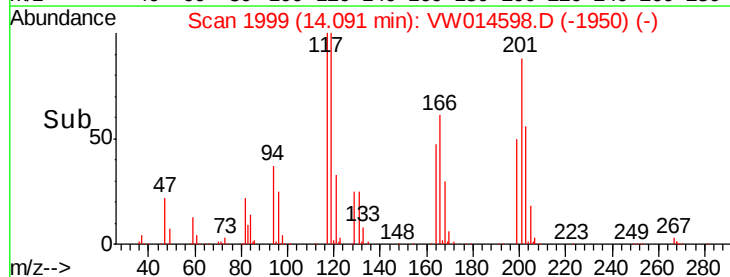
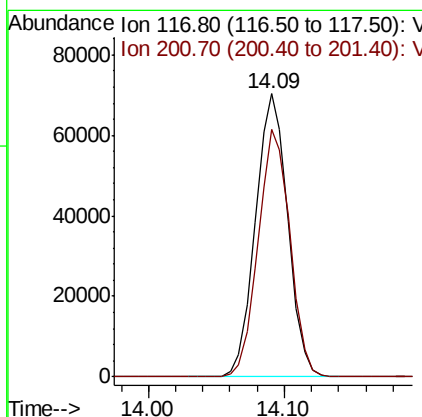
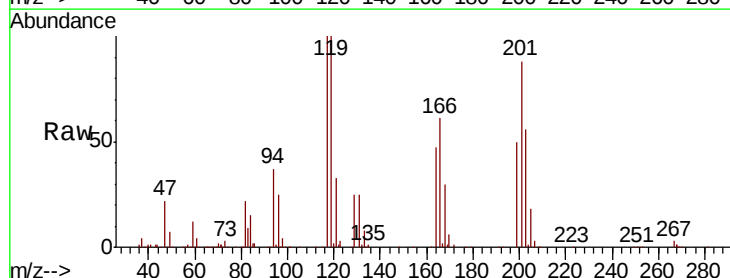
Manual Integrations  
APPROVED

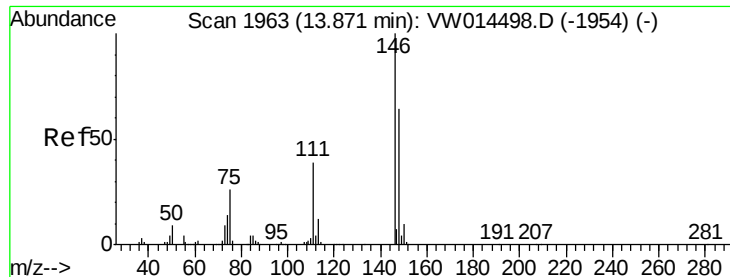
MMDadoda  
1/13/2020 12:01:38 PM



#90  
Hexachloroethane  
Concen: 21.119 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 86.4  | 43.0  | 128.8 |





#91

1,2-Dichlorobenzene

Concen: 22.323 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

Instrument :

MSVOA\_W

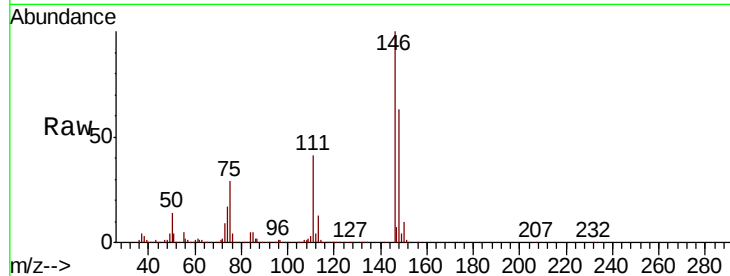
ClientSampleId :

VW0110SBSD01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 146  | Resp: | 303044 |
| Ion Ratio |      | Lower | Upper  |
| 146       | 100  |       |        |
| 111       | 39.8 | 20.4  | 61.3   |
| 148       | 63.2 | 32.3  | 96.8   |

Manual Integrations  
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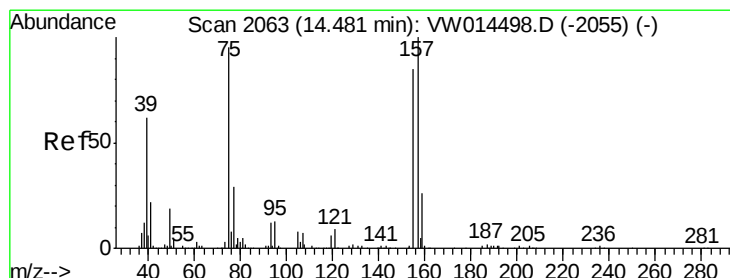
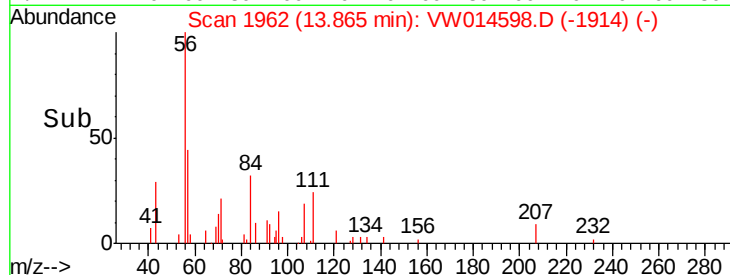
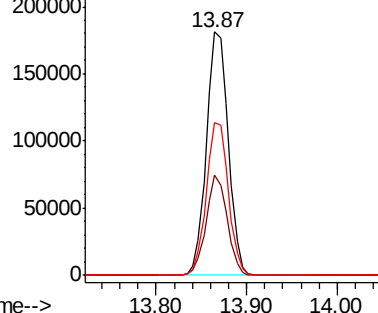


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.154 ug/l

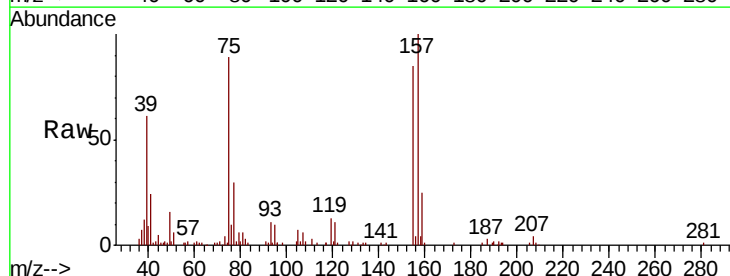
RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014598.D

Acq: 10 Jan 2020 14:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 20678 |
| Ion Ratio |       | Lower | Upper |
| 75        | 100   |       |       |
| 155       | 90.8  | 45.8  | 137.4 |
| 157       | 114.1 | 58.1  | 174.2 |

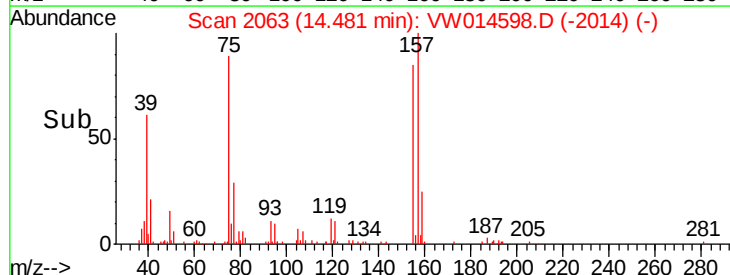
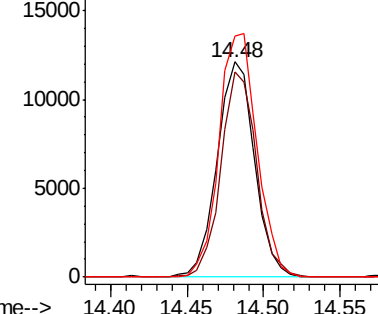


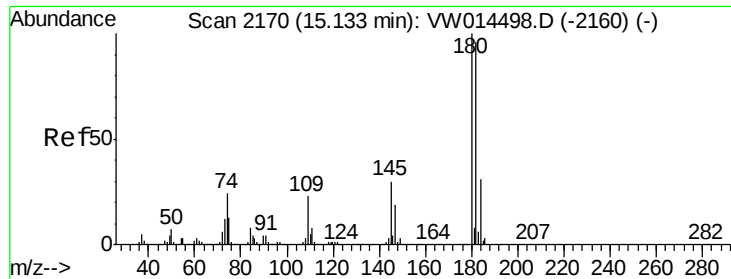
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





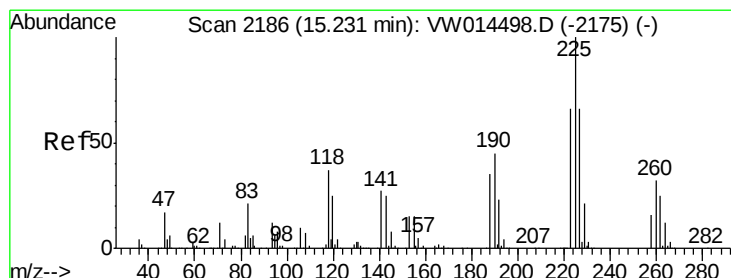
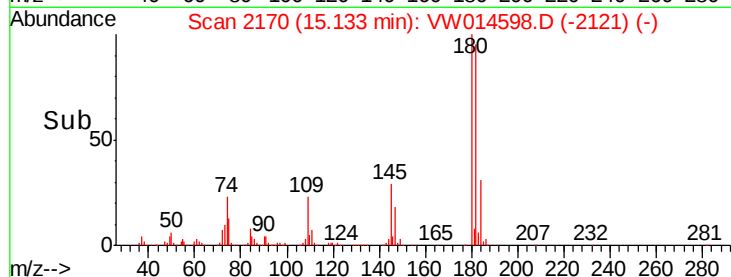
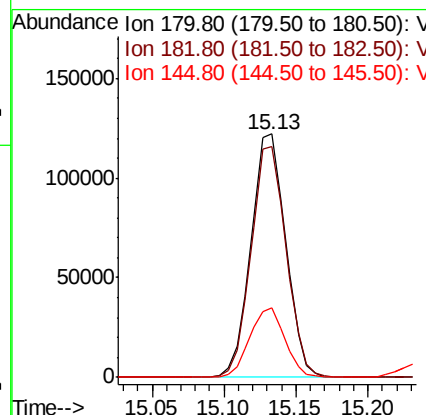
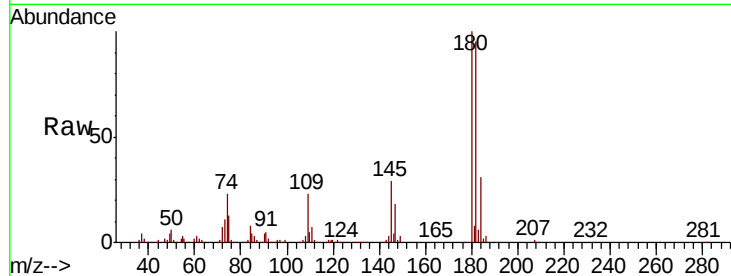
#93  
1,2,4-Trichlorobenzene  
Concen: 22.194 ug/l  
RT: 15.13 min Scan# 2170  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 203464 |       |       |
| 182     | 95.4  | 47.3   | 141.8 |       |
| 145     | 28.9  | 14.7   | 44.1  |       |

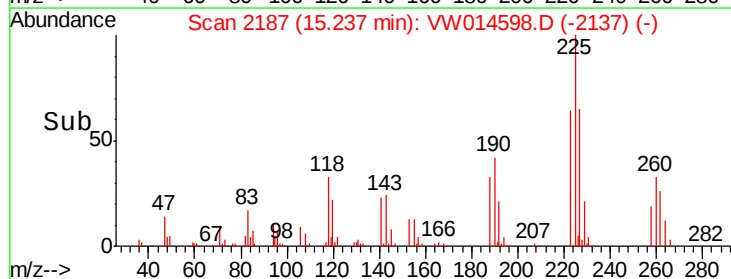
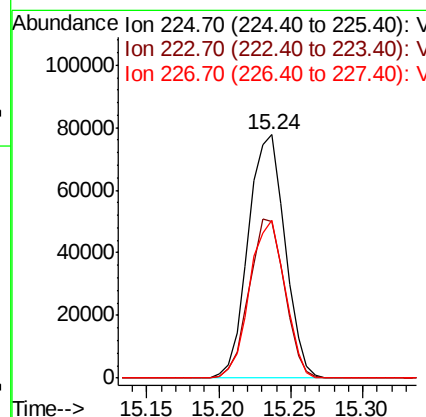
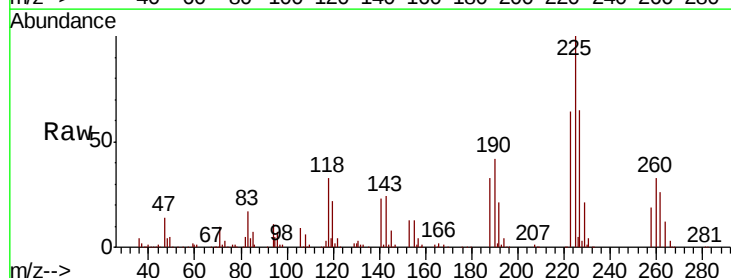
Manual Integrations  
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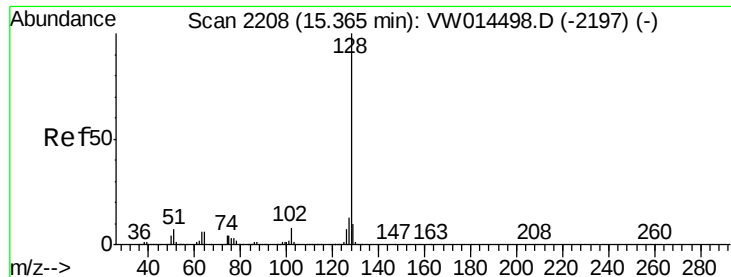
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1/13/2020 12:01:38 PM



#94  
Hexachlorobutadiene  
Concen: 22.295 ug/l  
RT: 15.24 min Scan# 2187  
Delta R.T. 0.01 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 136969 |       |       |
| 223     | 63.3  | 32.4   | 97.2  |       |
| 227     | 62.1  | 32.6   | 97.8  |       |





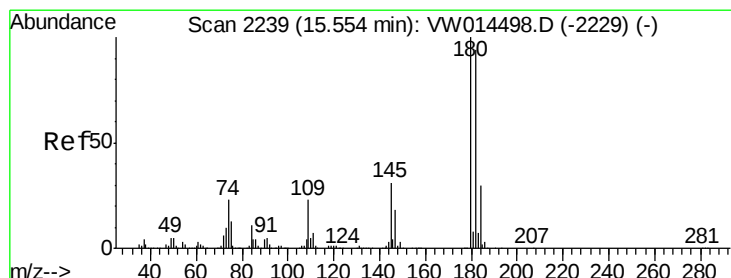
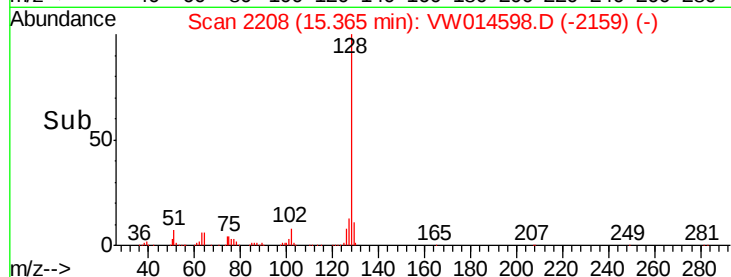
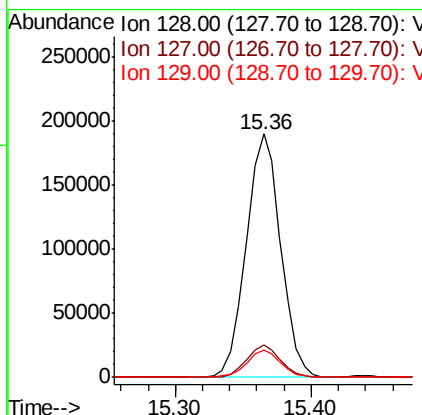
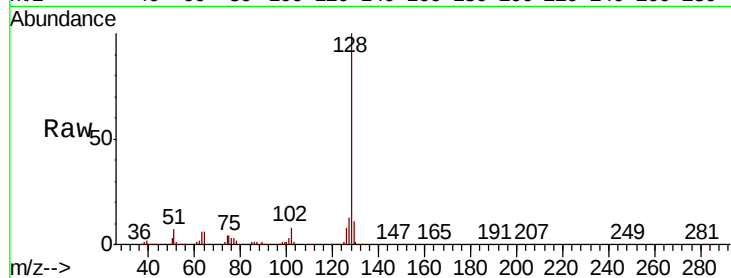
#95  
Naphthalene  
Concen: 21.463 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0110SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.2  | 10.6  | 15.8  |
| 129     | 10.9  | 8.7   | 13.1  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 22.603 ug/l  
RT: 15.55 min Scan# 2239  
Delta R.T. 0.00 min  
Lab File: VW014598.D  
Acq: 10 Jan 2020 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.7  | 47.4  | 142.2 |
| 145     | 30.3  | 15.5  | 46.5  |

