

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110424\  
 Data File : VW030919.D  
 Acq On : 04 Nov 2024 20:37  
 Operator : SY/MD  
 Sample : P4622-14MSD  
 Misc : 4.63g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Nov 05 00:43:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Nov 05 00:39:41 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 559405   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 465059   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 215668   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.362  | 65    | 225035   | 24.528   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 98.120%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 171371   | 24.354   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 97.400%   |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 90864    | 24.001   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 96.000%   |
| 21) 2-Butanone-d5             | 7.075  | 46    | 122653   | 81.236   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 162.480%# |
| 24) Chloroform-d              | 7.648  | 84    | 421645   | 25.568   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 102.280%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 232614   | 28.369   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 113.480%  |
| 32) Benzene-d6                | 8.276  | 84    | 813743   | 28.165   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 112.680%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 250000   | 29.353   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 117.400%  |
| 41) Toluene-d8                | 10.318 | 98    | 703758   | 27.157   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 108.640%  |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 106123   | 30.739   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 122.960%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 100066   | 90.654   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 181.300%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 215294   | 36.282   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 145.120%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 212096   | 26.998   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 108.000%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 79092    | 13.273   | ug/L   | 91        |
| 3) Chloromethane              | 2.222  | 50    | 125710   | 15.657   | ug/L   | 98        |
| 5) Vinyl chloride             | 2.375  | 62    | 137413   | 14.441   | ug/L   | 93        |
| 6) Bromomethane               | 2.789  | 94    | 93377    | 14.945   | ug/L   | 94        |
| 8) Chloroethane               | 2.936  | 64    | 85587    | 14.837   | ug/L   | 100       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 123279   | 14.196   | ug/L   | 98        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.069  | 101   | 104903   | 13.122   | ug/L # | 70        |
| 13) Acetone                   | 4.118  | 43    | 94071    | 51.014   | ug/L   | 97        |
| 14) Carbon disulfide          | 4.393  | 76    | 329594   | 13.866   | ug/L   | 100       |
| 15) Methyl Acetate            | 4.673  | 43    | 66658    | 24.644   | ug/L   | 100       |
| 16) Methylene chloride        | 4.923  | 84    | 130548   | 16.507   | ug/L   | 97        |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 120255   | 15.160   | ug/L   | 98        |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 220558   | 20.600   | ug/L   | 99        |
| 19) 1,1-Dichloroethane        | 6.215  | 63    | 237926   | 16.073   | ug/L   | 98        |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 140501   | 16.696   | ug/L   | 99        |
| 22) 2-Butanone                | 7.167  | 43    | 117151   | 56.730   | ug/L   | 98        |
| 23) Bromochloromethane        | 7.514  | 128   | 67700    | 18.370   | ug/L   | 96        |
| 25) Chloroform                | 7.673  | 83    | 252199   | 16.193   | ug/L   | 100       |
| 27) 1,2-Dichloroethane        | 8.398  | 62    | 176607   | 18.207   | ug/L   | 97        |

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 Sample : P4622-14MSD  
 Misc : 4.63g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 23 Sample Multiplier: 1

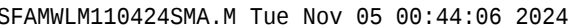
Instrument :  
 MSVOA\_W  
 ClientSampleId :

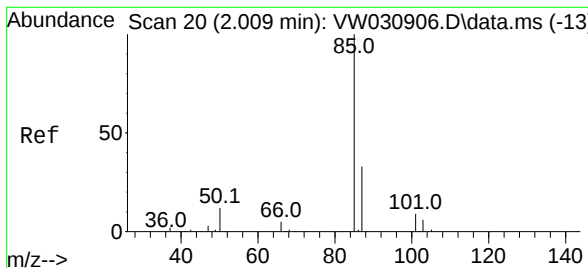
Quant Time: Nov 05 00:43:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Nov 05 00:39:41 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 29) Cyclohexane               | 7.959  | 56   | 171905   | 15.425 | ug/L   | 100      |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 184268   | 15.425 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 159858   | 14.892 | ug/L   | 99       |
| 33) Benzene                   | 8.325  | 78   | 517537   | 17.265 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 121723   | 14.726 | ug/L   | 98       |
| 35) Methylcyclohexane         | 9.331  | 83   | 177416   | 13.542 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 138062   | 18.429 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.642  | 83   | 177155   | 18.007 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.068 | 75   | 215666   | 19.245 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 196073   | 57.231 | ug/L   | 99       |
| 42) Toluene                   | 10.385 | 91   | 486805   | 15.336 | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 181906   | 19.539 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 114587   | 21.310 | ug/L   | 99       |
| 46) Tetrachloroethene         | 10.861 | 164  | 75912    | 12.013 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.965 | 43   | 165084   | 63.336 | ug/L   | 96       |
| 49) Dibromochloromethane      | 11.123 | 129  | 119550   | 20.391 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 109934   | 22.169 | ug/L # | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 297660   | 14.652 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 440479   | 12.281 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.836 | 106  | 166279   | 12.327 | ug/L   | 100      |
| 54) o-Xylene                  | 12.160 | 106  | 175368   | 14.129 | ug/L   | 97       |
| 55) Styrene                   | 12.178 | 104  | 309009   | 14.571 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 138480   | 23.598 | ug/L   | 99       |
| 59) Bromoform                 | 12.349 | 173  | 69910    | 22.701 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 372157   | 11.313 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 103137   | 25.508 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 289413   | 11.173 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 297620   | 11.799 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 195852   | 13.558 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 198954   | 13.416 | ug/L   | 92       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 200050   | 15.539 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 23466    | 27.412 | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.622 | 180  | 110723   | 11.551 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 111979   | 14.712 | ug/L   | 96       |
| 71) Naphthalene               | 15.360 | 128  | 310113   | 25.133 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 118716   | 18.098 | ug/L   | 89       |

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

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QLast Update : Tue Nov 05 00:39:41 2024  
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 13.273 ug/L

RT: 2.015 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

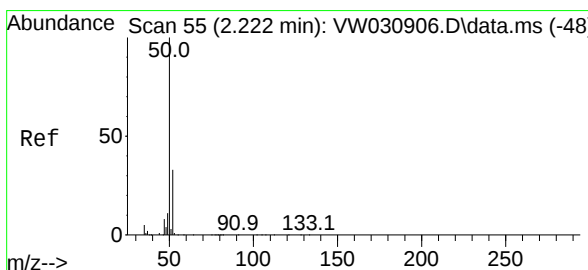
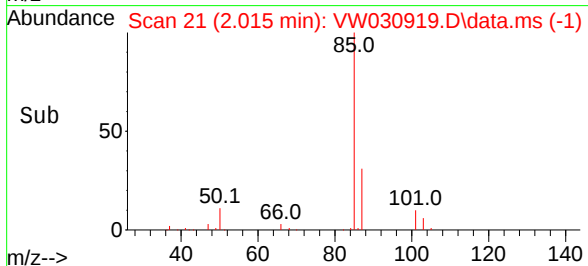
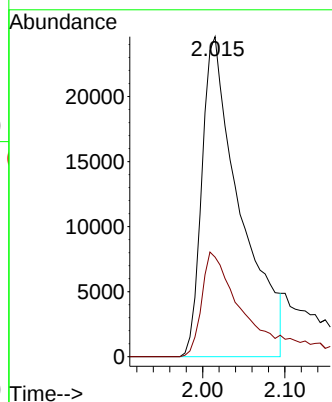
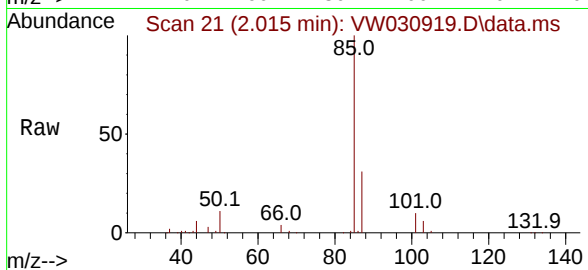
ClientSampleId :

Tgt Ion: 85 Resp: 79092

Ion Ratio Lower Upper

85 100

87 35.2 24.2 36.4



#3

Chloromethane

Concen: 15.657 ug/L

RT: 2.222 min Scan# 55

Delta R.T. -0.000 min

Lab File: VW030919.D

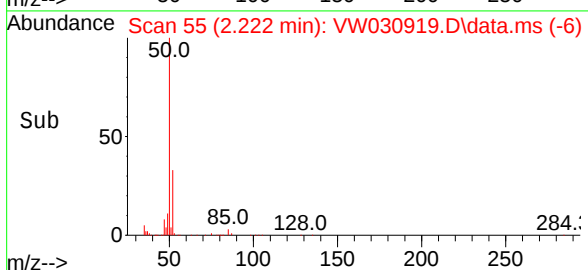
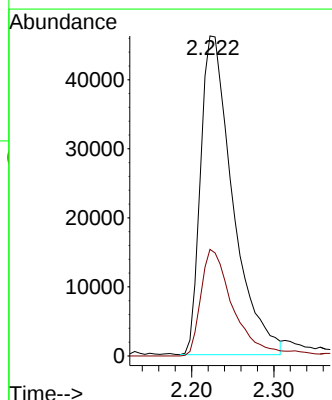
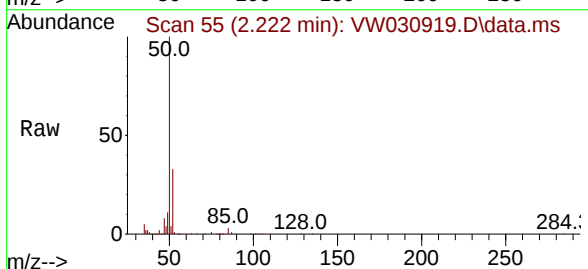
Acq: 04 Nov 2024 20:37

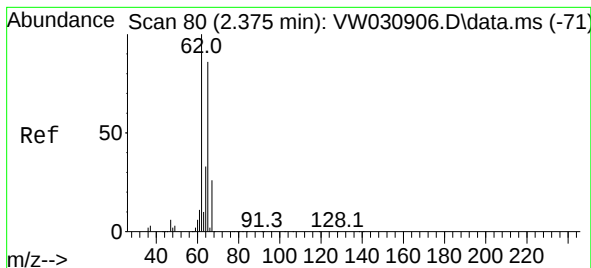
Tgt Ion: 50 Resp: 125710

Ion Ratio Lower Upper

50 100

52 33.3 22.5 41.9





#5

Vinyl chloride

Concen: 14.441 ug/L

RT: 2.375 min Scan# 80

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

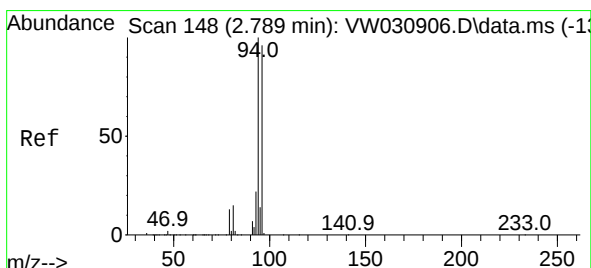
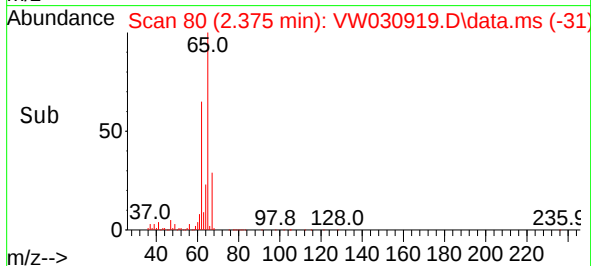
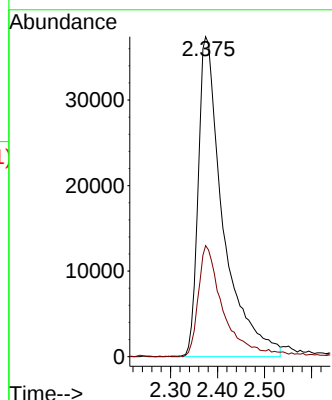
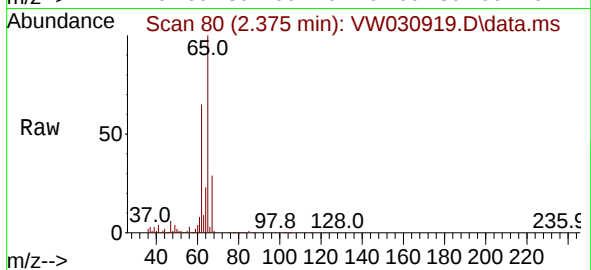
ClientSampleId :

Tgt Ion: 62 Resp: 137413

Ion Ratio Lower Upper

62 100

64 34.7 21.7 40.3



#6

Bromomethane

Concen: 14.945 ug/L

RT: 2.789 min Scan# 148

Delta R.T. -0.000 min

Lab File: VW030919.D

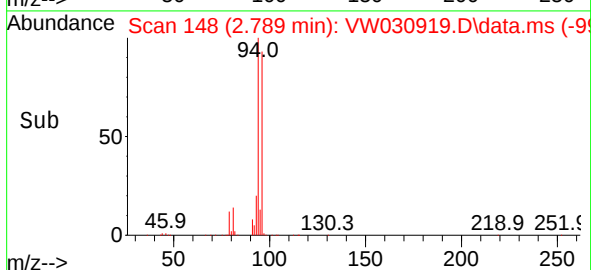
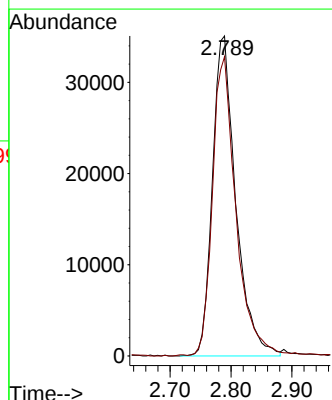
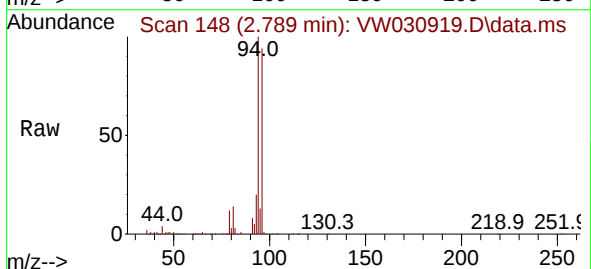
Acq: 04 Nov 2024 20:37

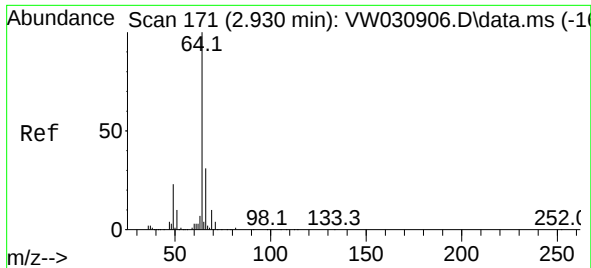
Tgt Ion: 94 Resp: 93377

Ion Ratio Lower Upper

94 100

96 93.5 61.6 114.4

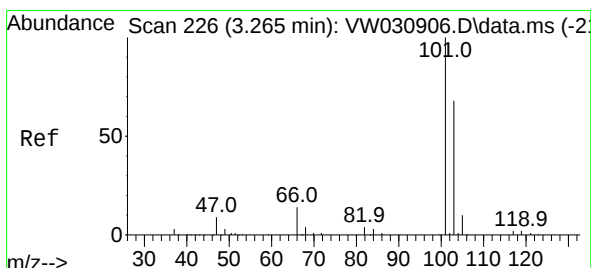
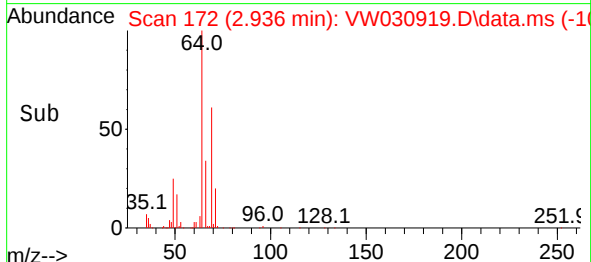
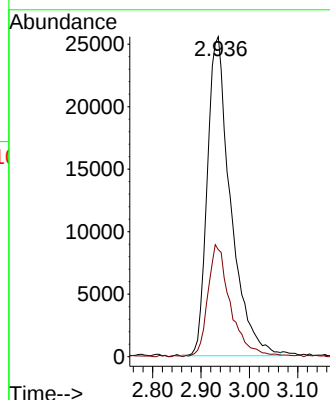
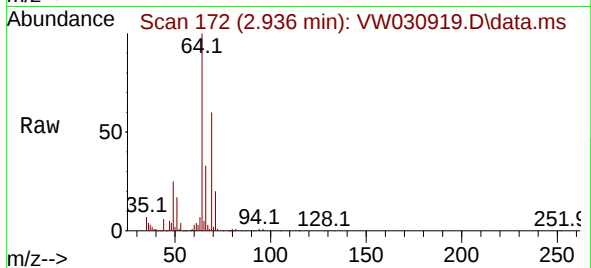




#8  
Chloroethane  
Concen: 14.837 ug/L  
RT: 2.936 min Scan# 171  
Delta R.T. 0.006 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37

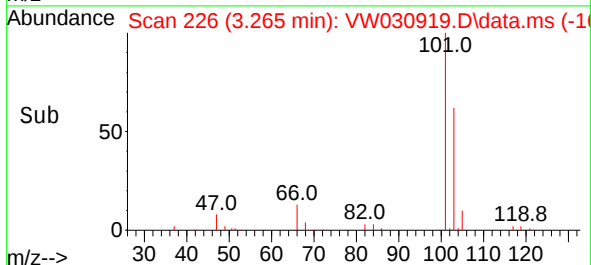
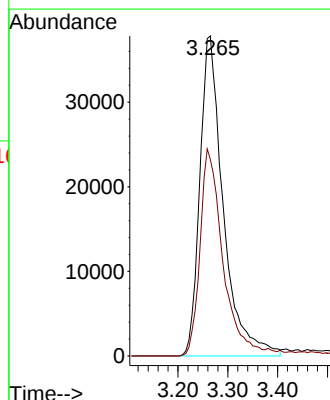
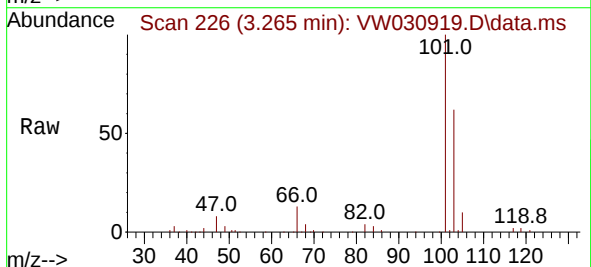
Instrument :  
MSVOA\_W  
ClientSampleId :

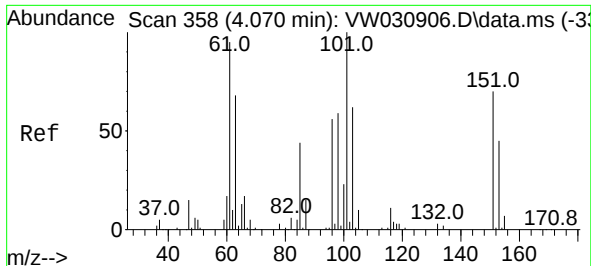
Tgt Ion: 64 Resp: 85587  
Ion Ratio Lower Upper  
64 100  
66 33.5 23.5 43.7



#9  
Trichlorofluoromethane  
Concen: 14.196 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.000 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37

Tgt Ion:101 Resp: 123279  
Ion Ratio Lower Upper  
101 100  
103 62.8 51.8 77.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 13.122 ug/L

RT: 4.069 min Scan# 358

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

ClientSampleId :

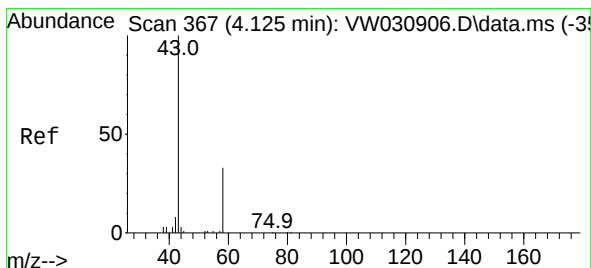
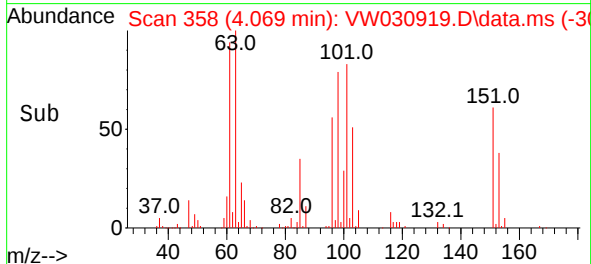
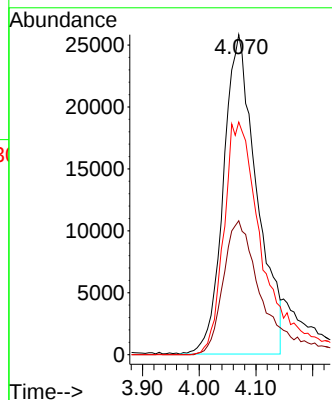
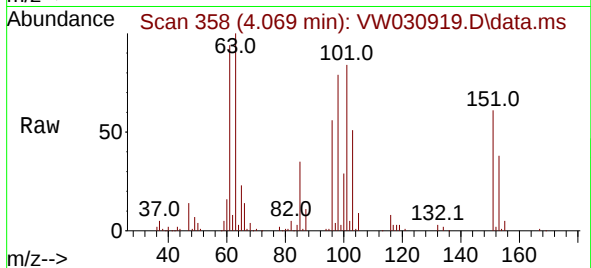
Tgt Ion:101 Resp: 104903

Ion Ratio Lower Upper

101 100

85 45.9 32.9 49.3

151 28.5 51.0 76.6#



#13

Acetone

Concen: 51.014 ug/L

RT: 4.118 min Scan# 366

Delta R.T. -0.006 min

Lab File: VW030919.D

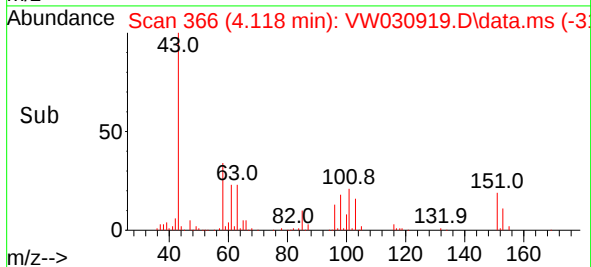
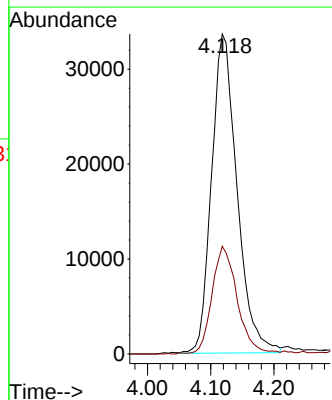
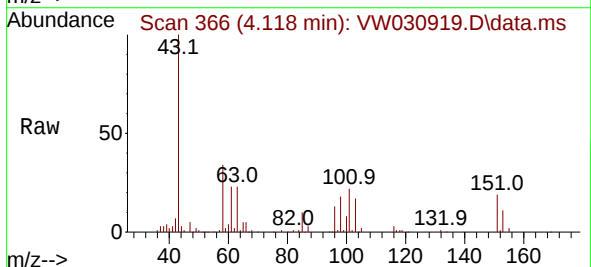
Acq: 04 Nov 2024 20:37

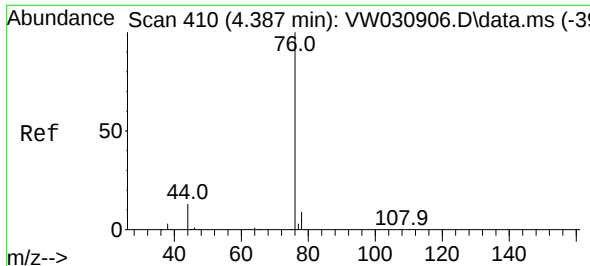
Tgt Ion: 43 Resp: 94071

Ion Ratio Lower Upper

43 100

58 33.0 0.0 62.6

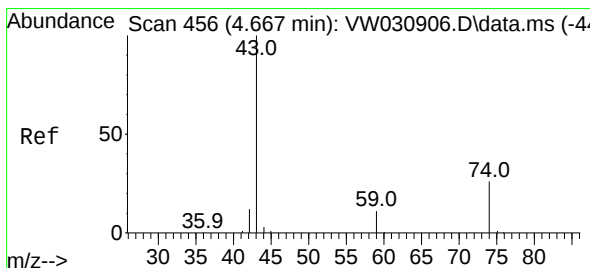
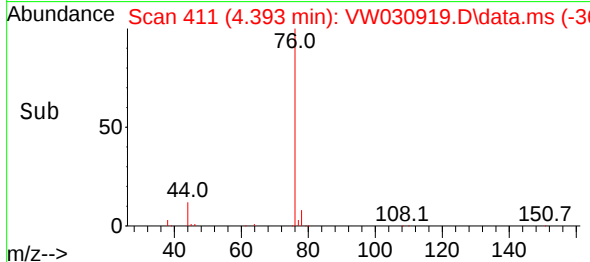
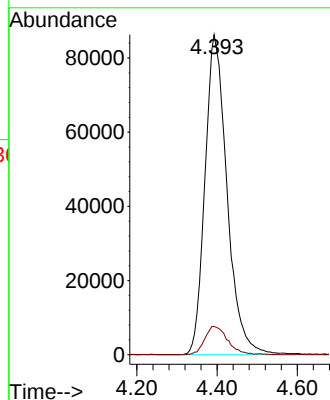
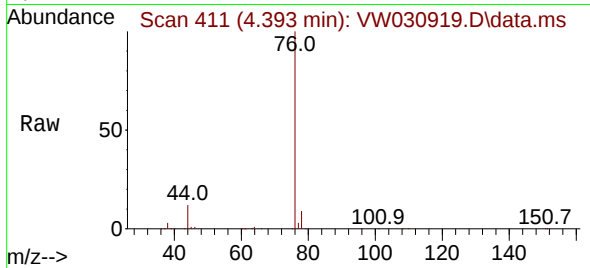




#14  
Carbon disulfide  
Concen: 13.866 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37

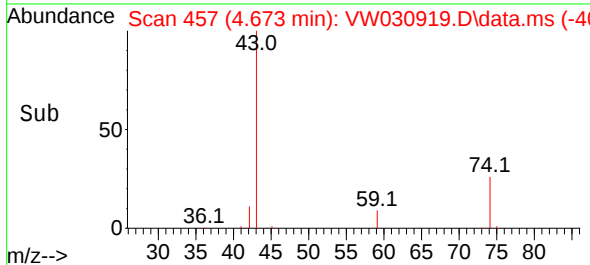
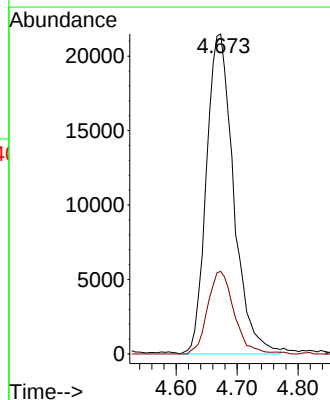
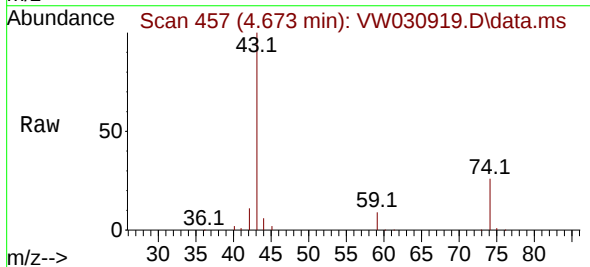
Instrument :  
MSVOA\_W  
ClientSampleId :

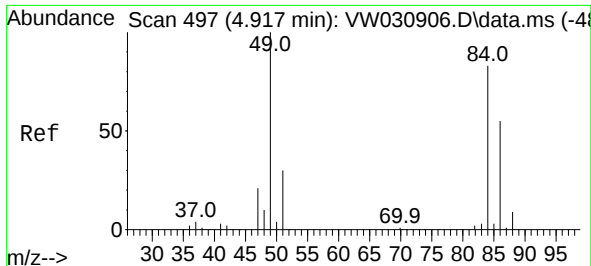
Tgt Ion: 76 Resp: 329594  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.1 10.7



#15  
Methyl Acetate  
Concen: 24.644 ug/L  
RT: 4.673 min Scan# 457  
Delta R.T. 0.006 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37

Tgt Ion: 43 Resp: 66658  
Ion Ratio Lower Upper  
43 100  
74 25.0 20.2 30.2

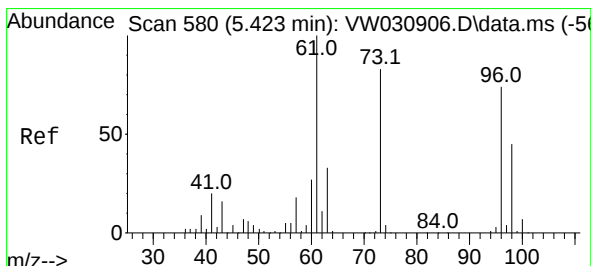
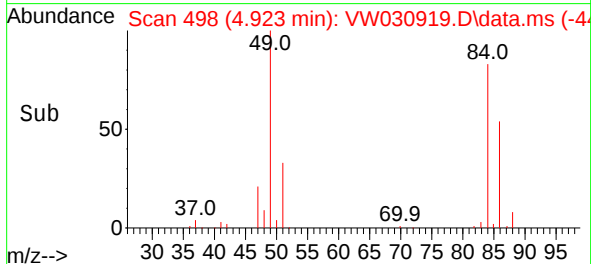
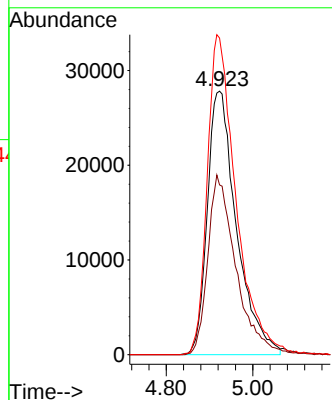
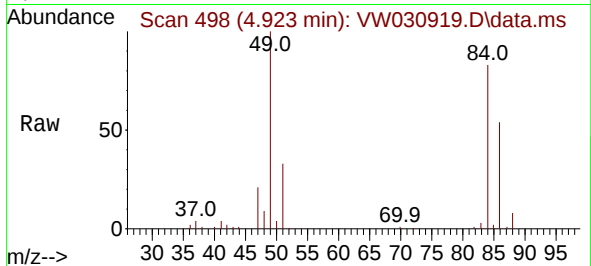




#16  
Methylene chloride  
Concen: 16.507 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.006 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37

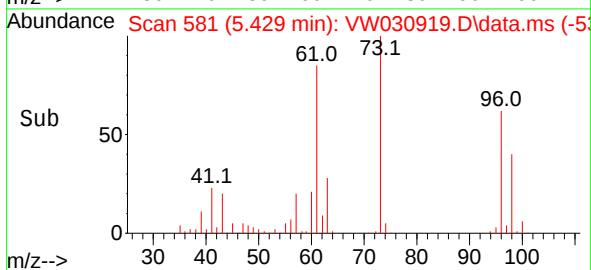
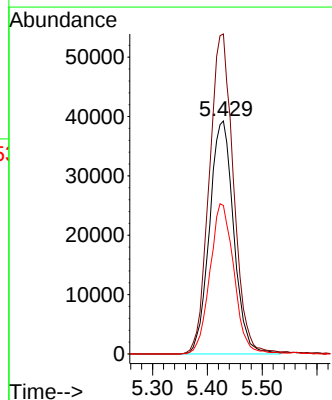
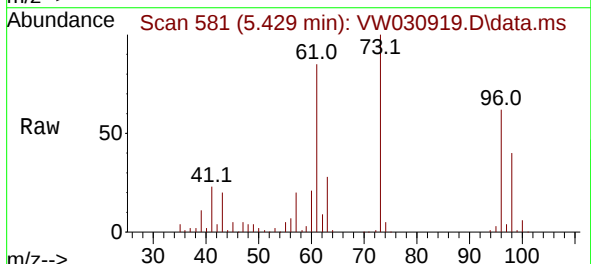
Instrument :  
MSVOA\_W  
ClientSampleId :

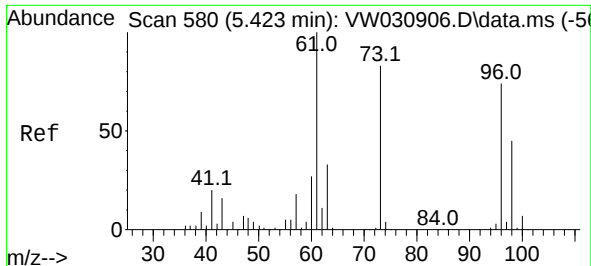
Tgt Ion: 84 Resp: 130548  
Ion Ratio Lower Upper  
84 100  
86 64.4 41.8 77.6  
49 120.2 82.8 153.8



#17  
trans-1,2-Dichloroethene  
Concen: 15.160 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37

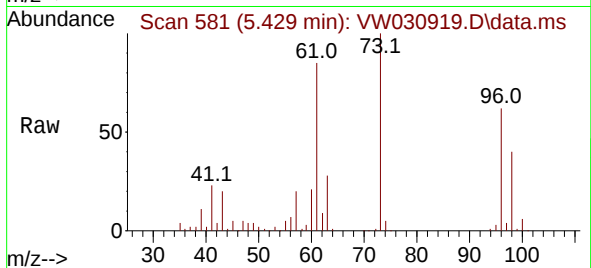
Tgt Ion: 96 Resp: 120255  
Ion Ratio Lower Upper  
96 100  
61 137.4 95.2 176.8  
98 63.7 42.6 79.2



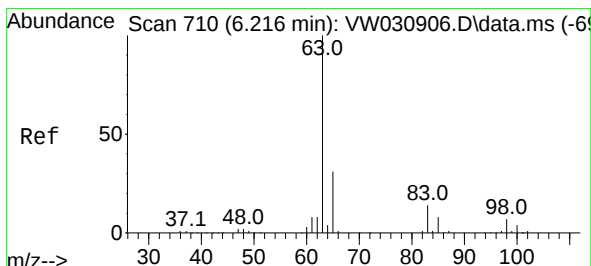
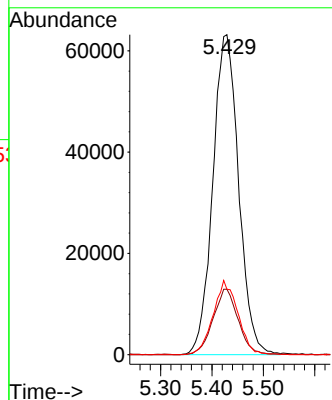
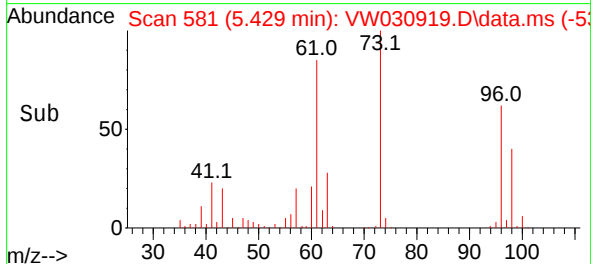


#18  
Methyl tert-butyl Ether  
Concen: 20.600 ug/L  
RT: 5.429 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37

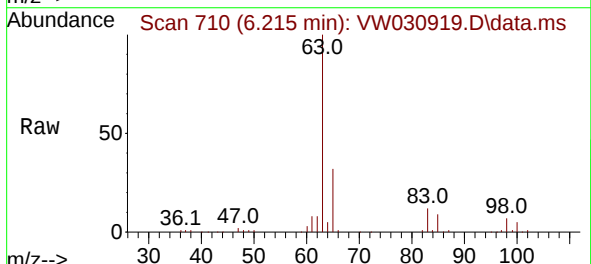
Instrument :  
MSVOA\_W  
ClientSampleId :



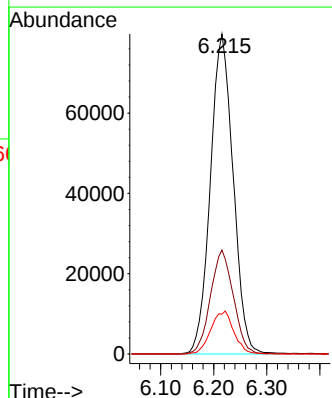
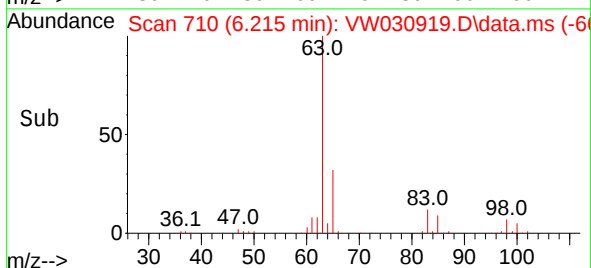
Tgt Ion: 73 Resp: 220558  
Ion Ratio Lower Upper  
73 100  
43 20.0 16.2 24.2  
57 22.1 17.3 25.9

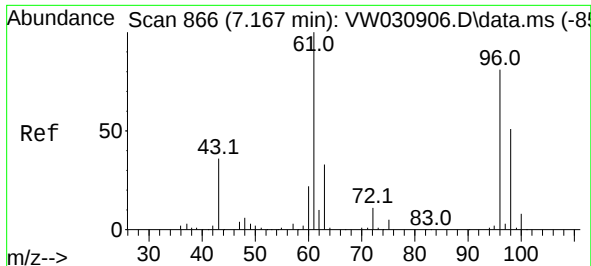


#19  
1,1-Dichloroethane  
Concen: 16.073 ug/L  
RT: 6.215 min Scan# 710  
Delta R.T. -0.000 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37



Tgt Ion: 63 Resp: 237926  
Ion Ratio Lower Upper  
63 100  
65 32.5 23.0 42.8  
83 12.5 9.8 18.2





#20

cis-1,2-Dichloroethene

Concen: 16.696 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

ClientSampleId :

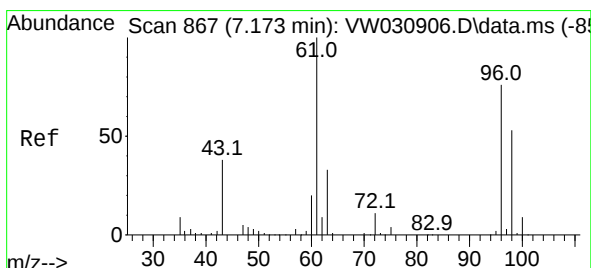
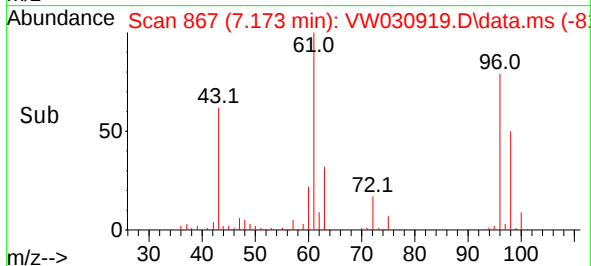
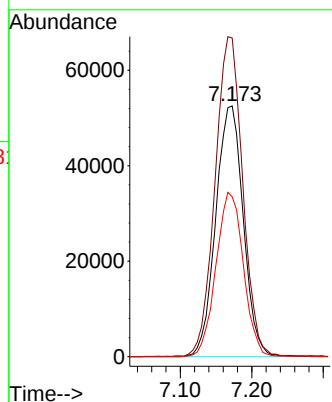
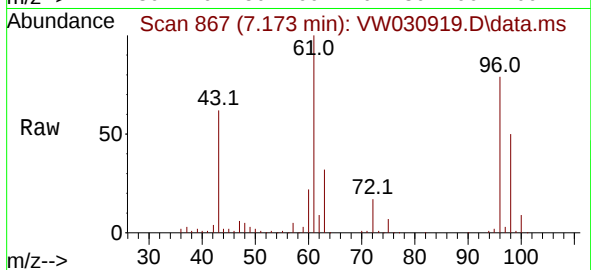
Tgt Ion: 96 Resp: 140501

Ion Ratio Lower Upper

96 100

61 127.1 89.2 165.8

98 63.7 45.1 83.9



#22

2-Butanone

Concen: 56.730 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW030919.D

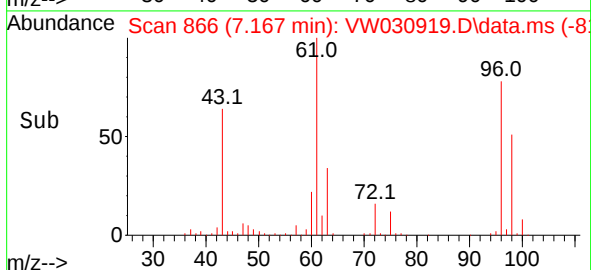
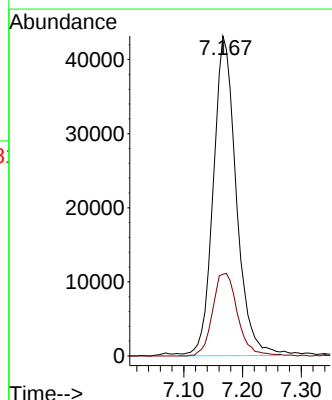
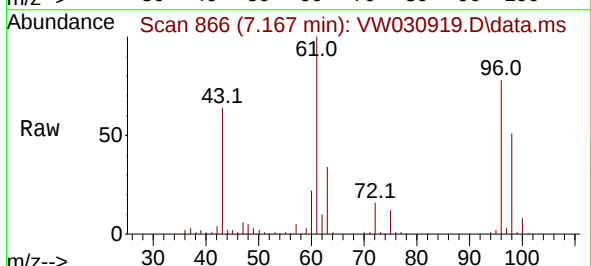
Acq: 04 Nov 2024 20:37

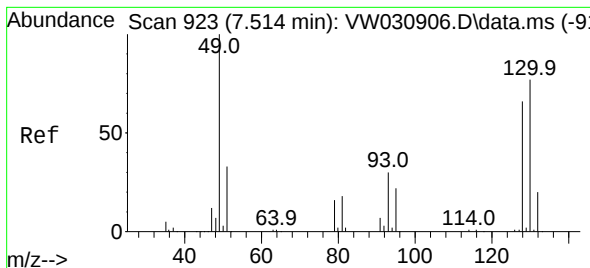
Tgt Ion: 43 Resp: 117151

Ion Ratio Lower Upper

43 100

72 28.0 14.5 43.6





#23

Bromochloromethane

Concen: 18.370 ug/L

RT: 7.514 min Scan# 923

Delta R.T. -0.000 min

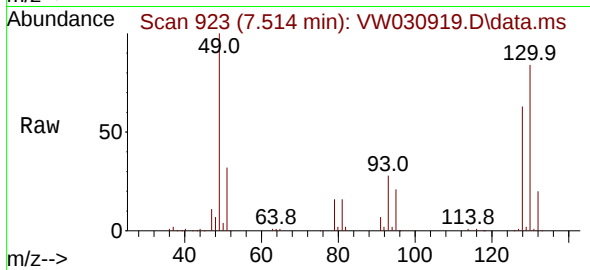
Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:128 Resp: 67700

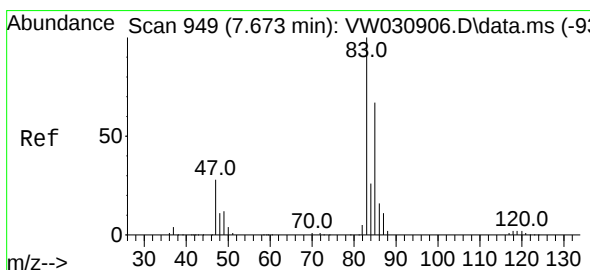
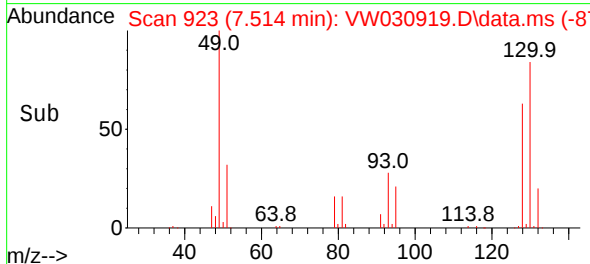
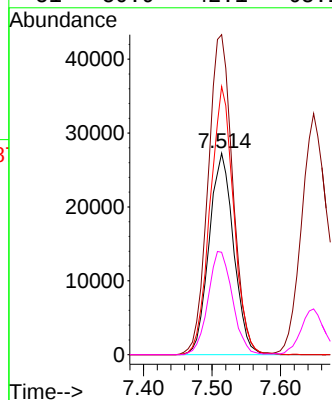
Ion Ratio Lower Upper

128 100

49 158.8 112.4 208.8

130 133.1 86.2 160.0

51 50.9 42.1 63.1



#25

Chloroform

Concen: 16.193 ug/L

RT: 7.673 min Scan# 949

Delta R.T. -0.000 min

Lab File: VW030919.D

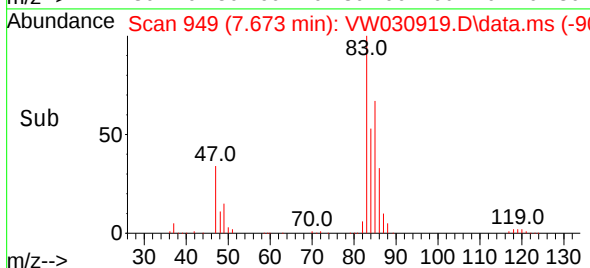
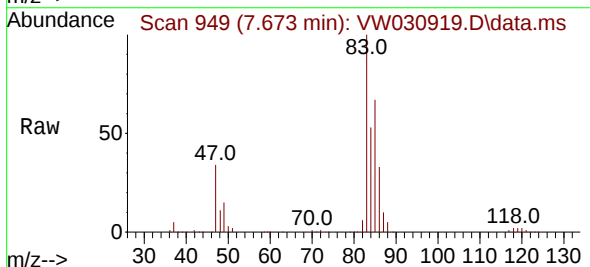
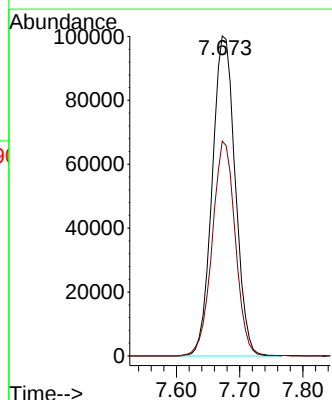
Acq: 04 Nov 2024 20:37

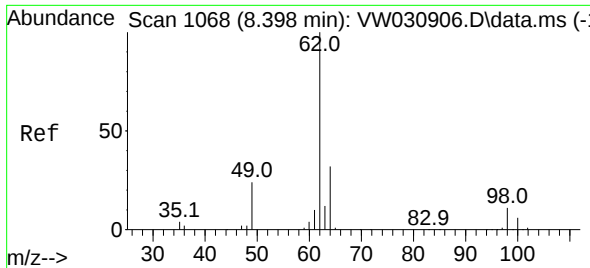
Tgt Ion: 83 Resp: 252199

Ion Ratio Lower Upper

83 100

85 67.2 47.2 87.6





#27

1,2-Dichloroethane

Concen: 18.207 ug/L

RT: 8.398 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

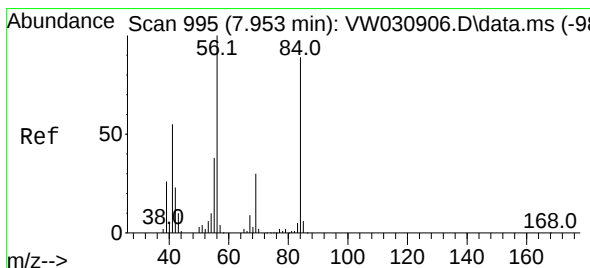
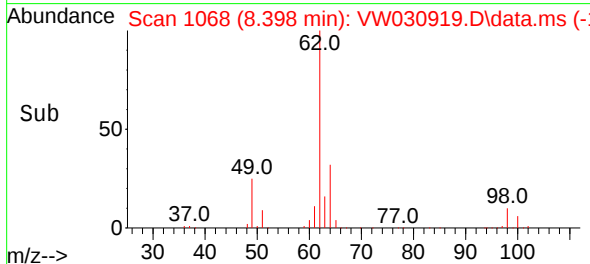
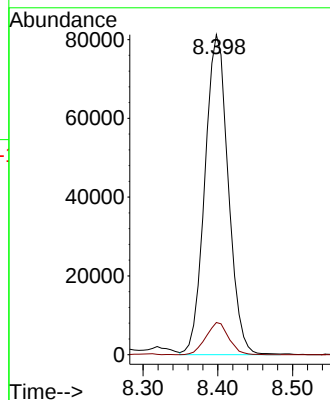
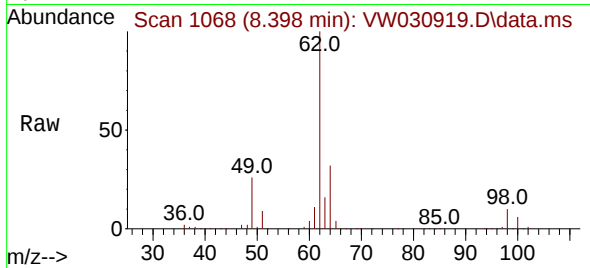
ClientSampleId :

Tgt Ion: 62 Resp: 176607

Ion Ratio Lower Upper

62 100

98 10.0 7.1 10.7



#29

Cyclohexane

Concen: 15.425 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.006 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

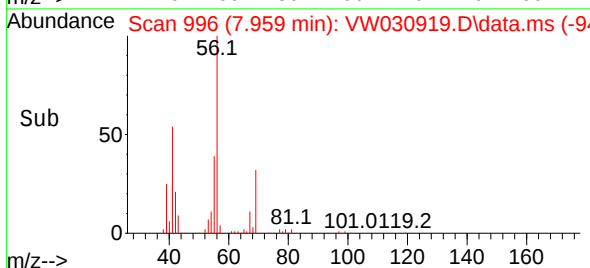
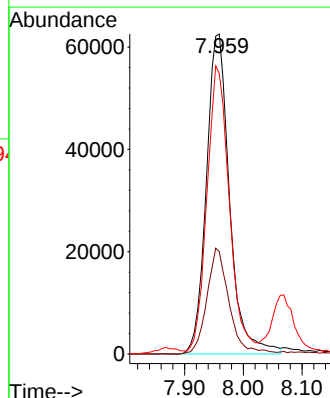
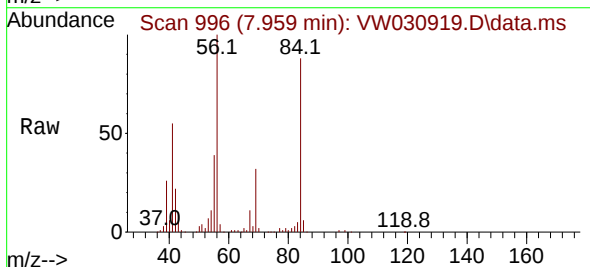
Tgt Ion: 56 Resp: 171905

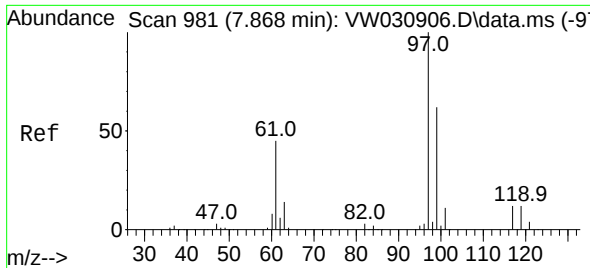
Ion Ratio Lower Upper

56 100

69 30.4 24.8 37.2

84 86.7 69.5 104.3





#30

1,1,1-Trichloroethane

Concen: 15.425 ug/L

RT: 7.868 min Scan# 9

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

ClientSampleId :

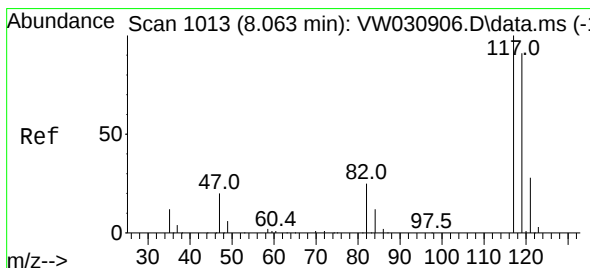
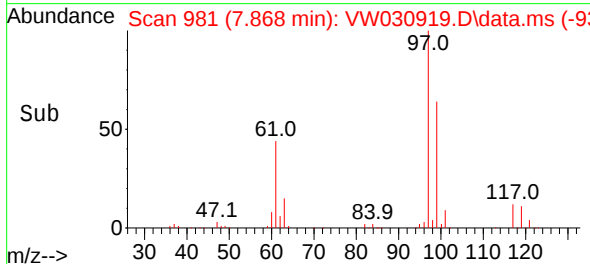
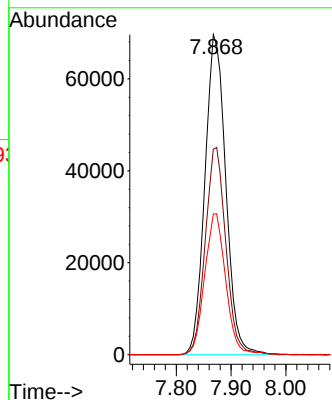
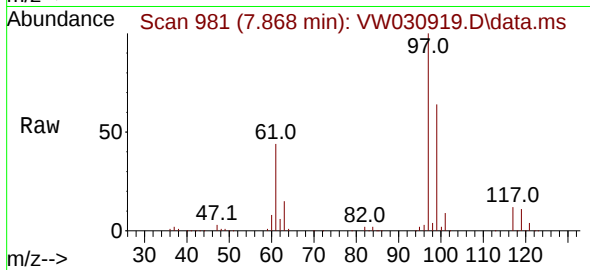
Tgt Ion: 97 Resp: 184268

Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 44.3 36.2 54.4



#31

Carbon tetrachloride

Concen: 14.892 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.006 min

Lab File: VW030919.D

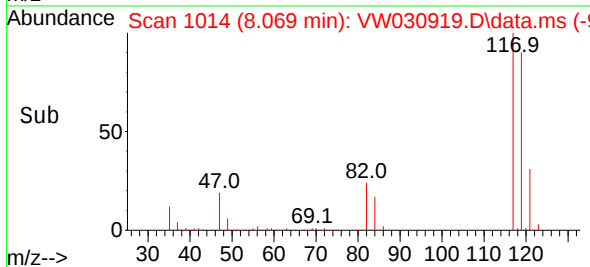
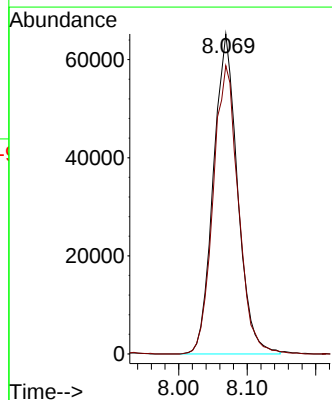
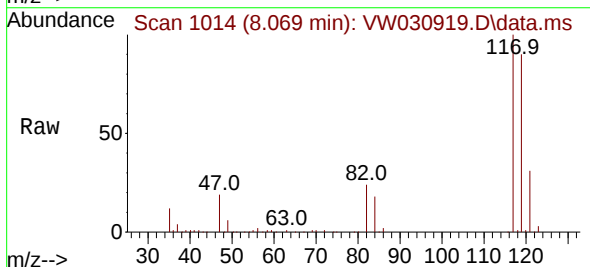
Acq: 04 Nov 2024 20:37

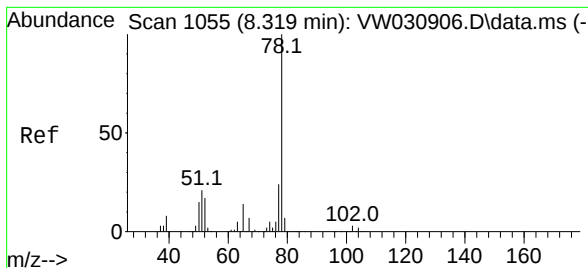
Tgt Ion: 117 Resp: 159858

Ion Ratio Lower Upper

117 100

119 93.9 76.2 114.2





#33

Benzene

Concen: 17.265 ug/L

RT: 8.325 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VW030919.D

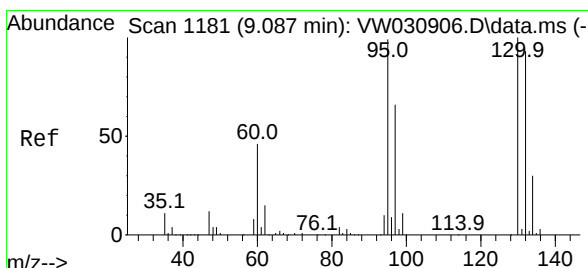
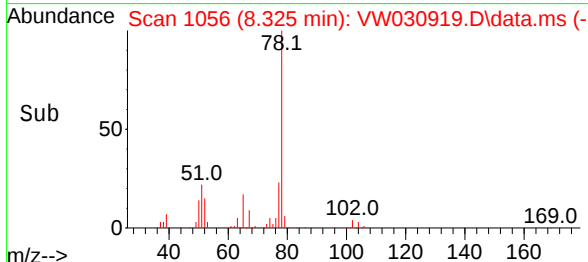
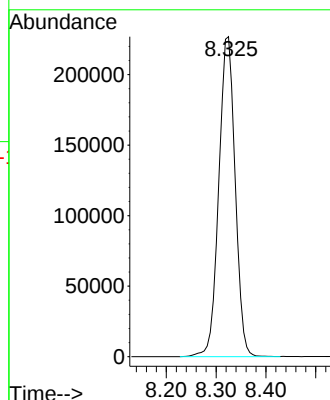
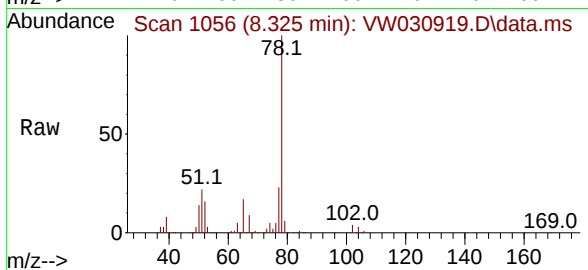
Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 78 Resp: 517537



#34

Trichloroethene

Concen: 14.726 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.006 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Tgt Ion: 95 Resp: 121723

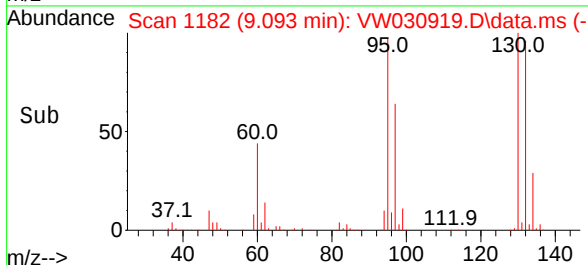
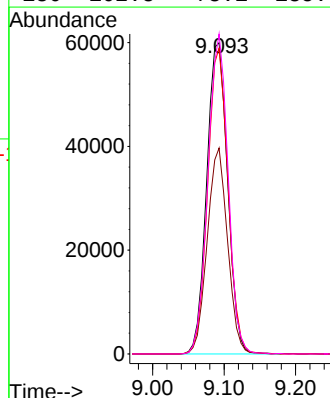
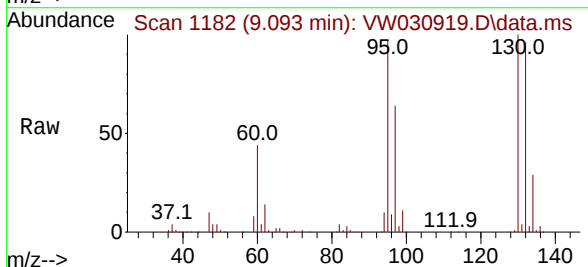
Ion Ratio Lower Upper

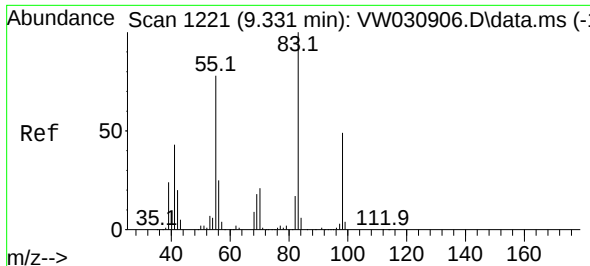
95 100

97 66.2 48.9 90.7

132 98.3 67.7 125.7

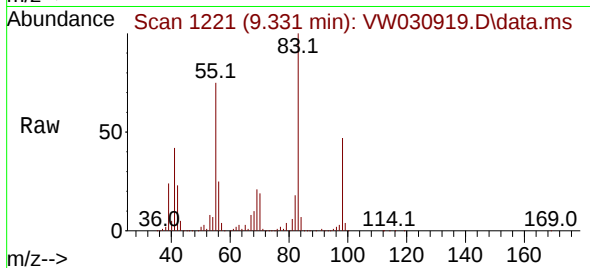
130 102.8 73.1 135.8



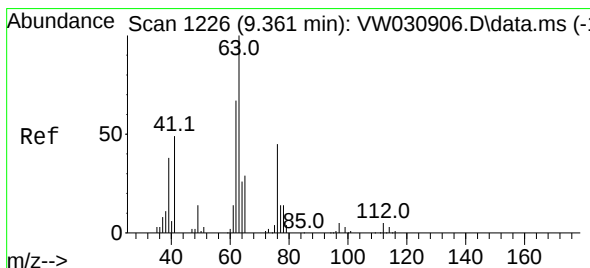
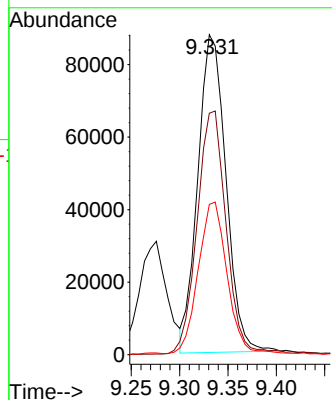
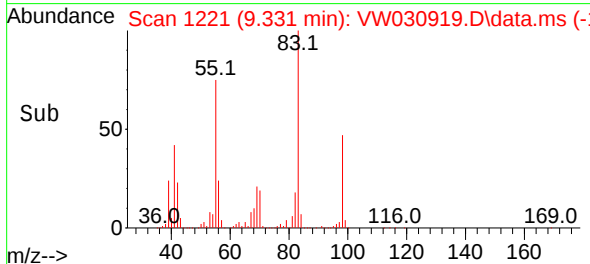


#35  
Methylcyclohexane  
Concen: 13.542 ug/L  
RT: 9.331 min Scan# 1221  
Delta R.T. -0.000 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37

Instrument :  
MSVOA\_W  
ClientSampleId :

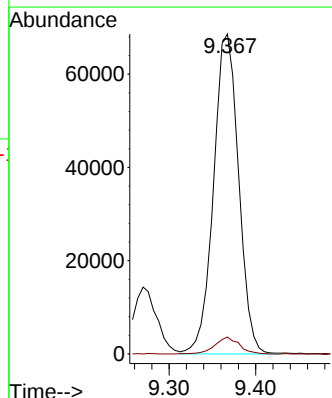
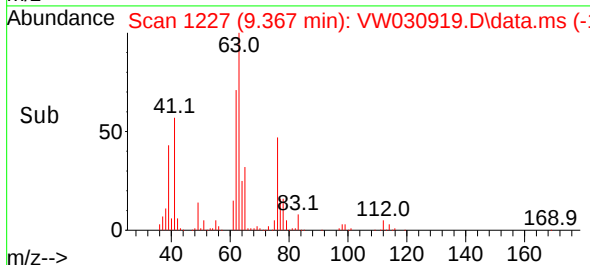
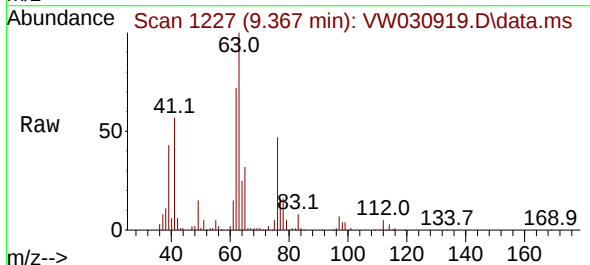


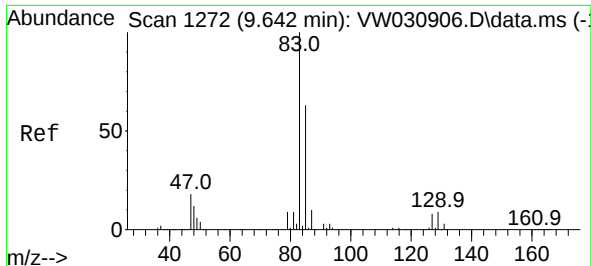
Tgt Ion: 83 Resp: 177416  
Ion Ratio Lower Upper  
83 100  
55 79.3 62.8 94.2  
98 50.0 39.4 59.2



#37  
1,2-Dichloropropane  
Concen: 18.429 ug/L  
RT: 9.367 min Scan# 1227  
Delta R.T. 0.006 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37

Tgt Ion: 63 Resp: 138062  
Ion Ratio Lower Upper  
63 100  
112 5.1 3.5 5.3





#38

Bromodichloromethane

Concen: 18.007 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

ClientSampleId :

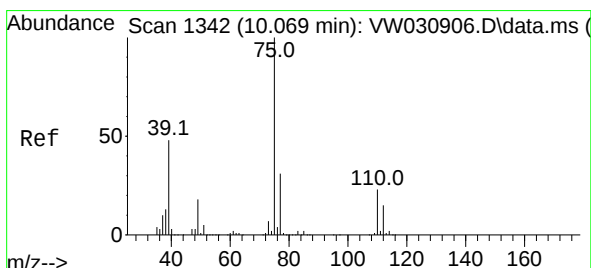
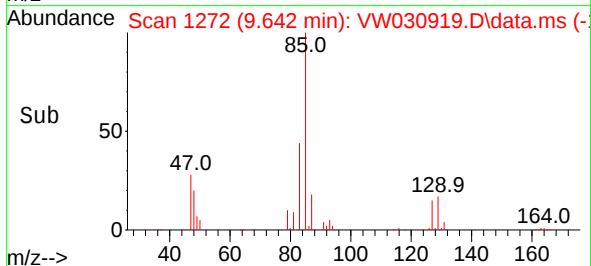
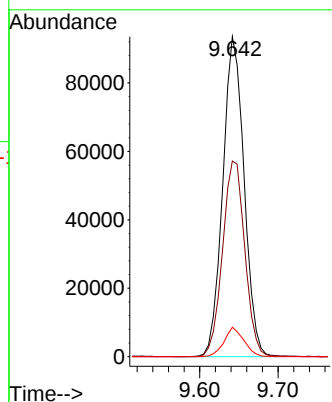
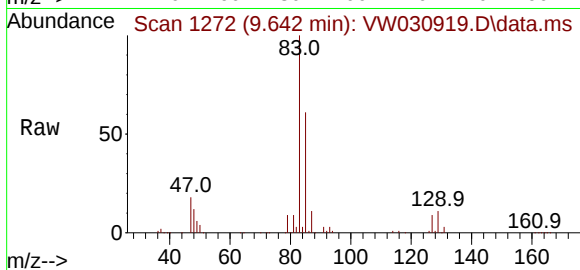
Tgt Ion: 83 Resp: 177155

Ion Ratio Lower Upper

83 100

85 61.2 44.1 81.9

127 9.2 6.4 9.6



#39

cis-1,3-Dichloropropene

Concen: 19.245 ug/L

RT: 10.068 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VW030919.D

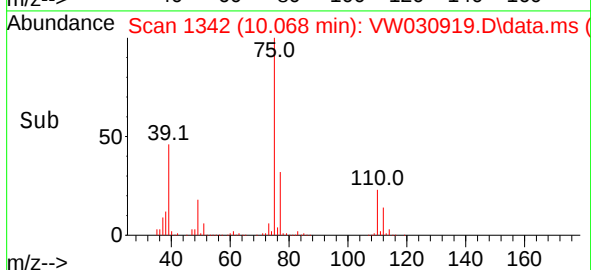
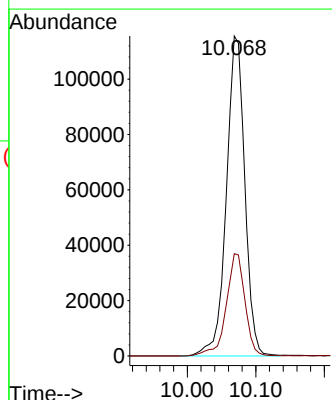
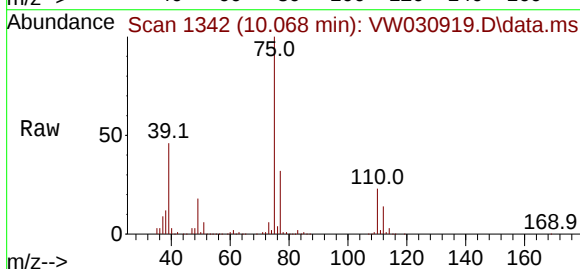
Acq: 04 Nov 2024 20:37

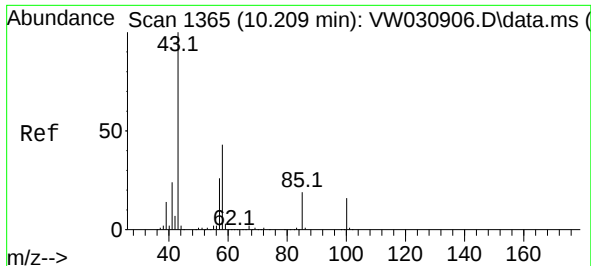
Tgt Ion: 75 Resp: 215666

Ion Ratio Lower Upper

75 100

77 32.0 21.3 39.6





#40

4-Methyl-2-pentanone

Concen: 57.231 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

ClientSampleId :

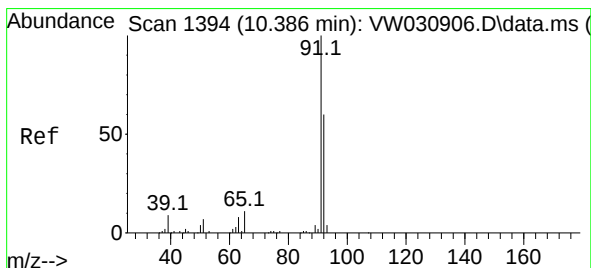
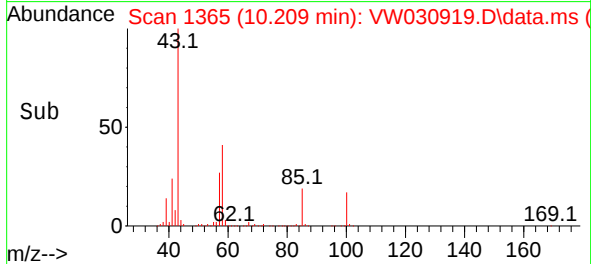
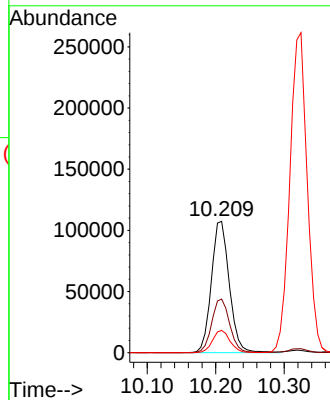
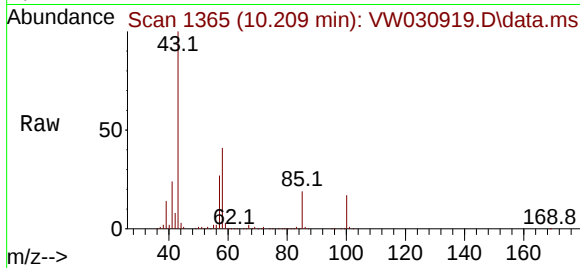
Tgt Ion: 43 Resp: 196073

Ion Ratio Lower Upper

43 100

58 40.8 32.2 48.4

100 16.5 13.3 19.9



#42

Toluene

Concen: 15.336 ug/L

RT: 10.385 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW030919.D

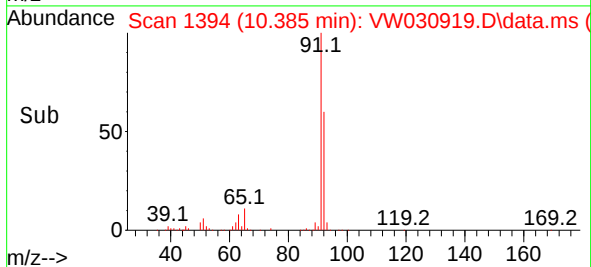
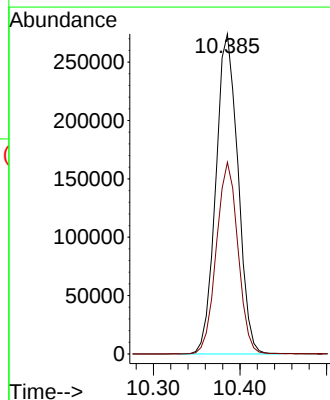
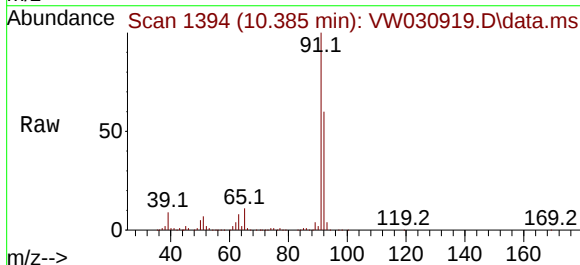
Acq: 04 Nov 2024 20:37

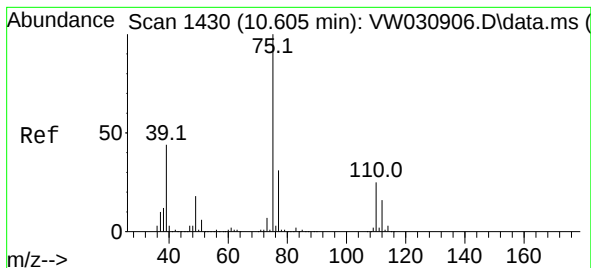
Tgt Ion: 91 Resp: 486805

Ion Ratio Lower Upper

91 100

92 59.9 39.4 73.2





#44

trans-1,3-Dichloropropene

Concen: 19.539 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

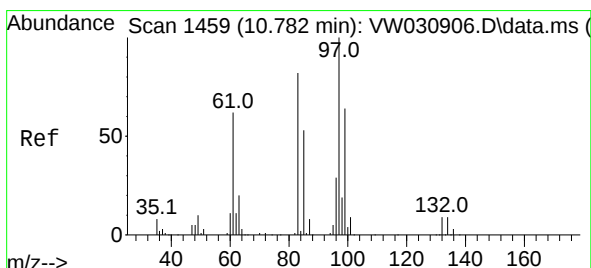
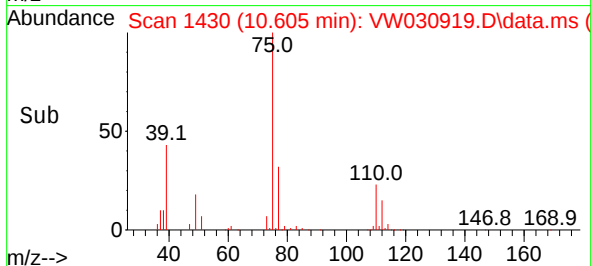
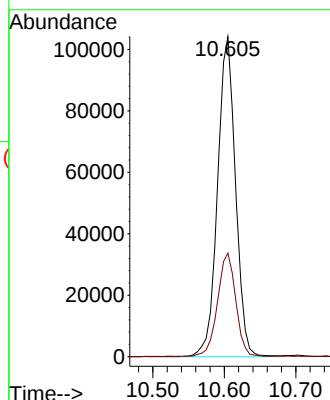
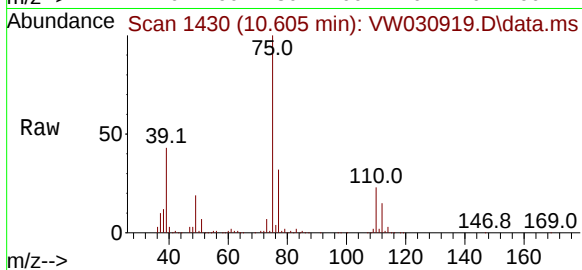
ClientSampleId :

Tgt Ion: 75 Resp: 181906

Ion Ratio Lower Upper

75 100

77 32.4 23.6 43.8



#45

1,1,2-Trichloroethane

Concen: 21.310 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Tgt Ion: 97 Resp: 114587

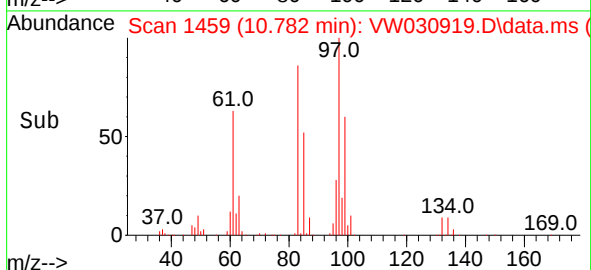
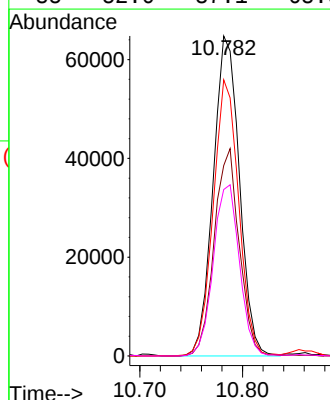
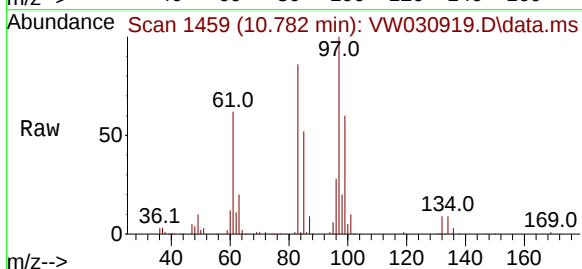
Ion Ratio Lower Upper

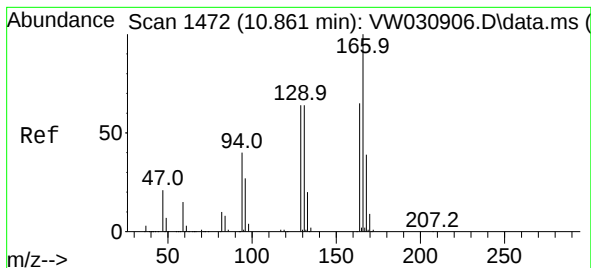
97 100

99 59.5 42.8 79.4

83 86.3 60.6 112.6

85 52.0 37.1 68.9





#46

Tetrachloroethene

Concen: 12.013 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

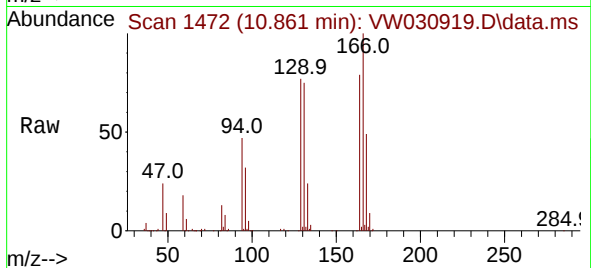
Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:164 Resp: 75912

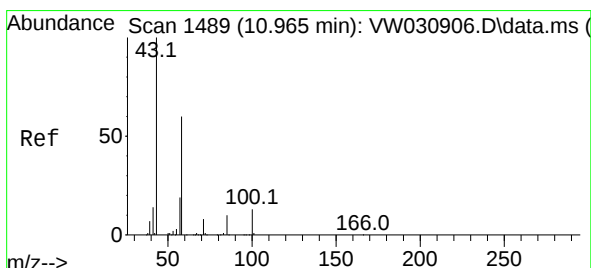
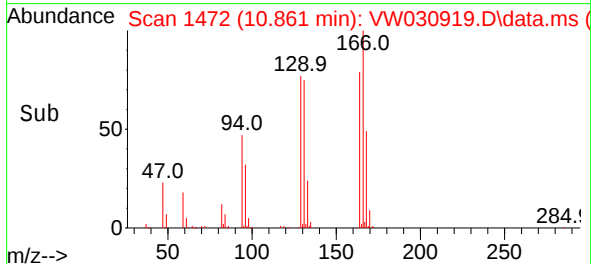
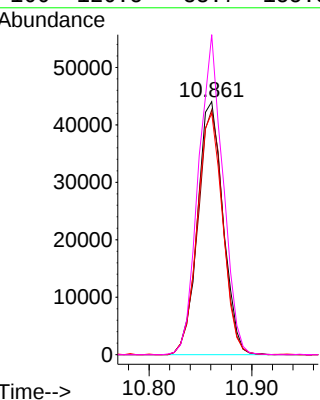
Ion Ratio Lower Upper

164 100

129 96.8 71.1 132.1

131 95.5 62.6 116.3

166 126.5 83.7 155.5



#48

2-Hexanone

Concen: 63.336 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Tgt Ion: 43 Resp: 165084

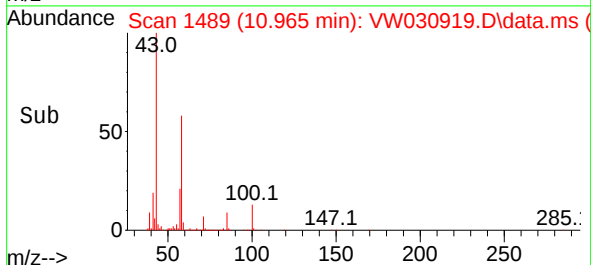
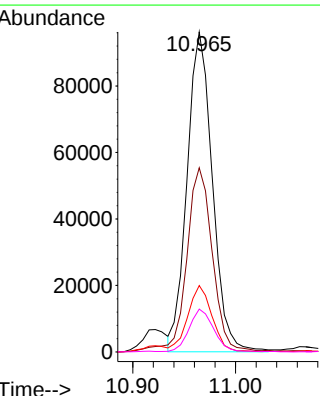
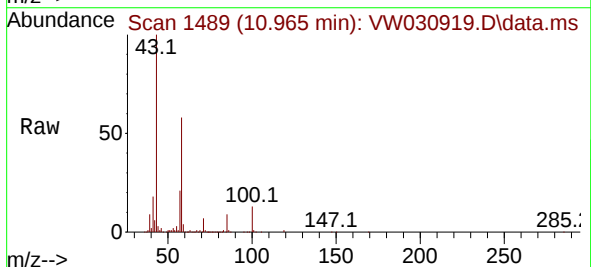
Ion Ratio Lower Upper

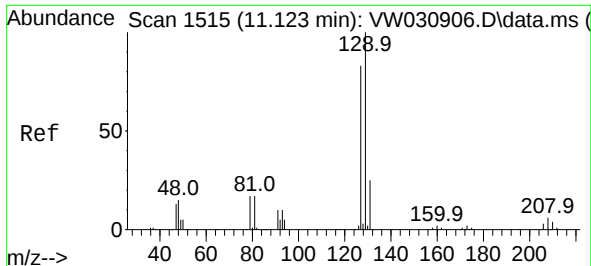
43 100

58 58.5 43.8 65.8

57 19.8 15.4 23.2

100 13.1 10.2 15.2





#49

Dibromochloromethane

Concen: 20.391 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

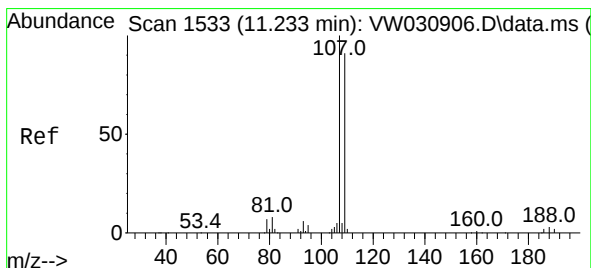
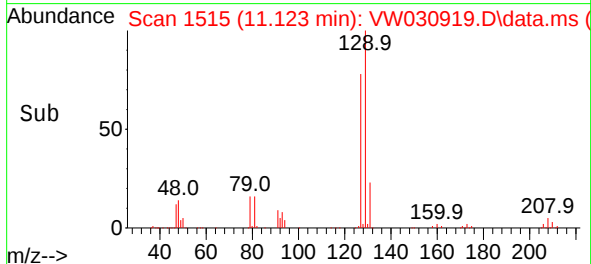
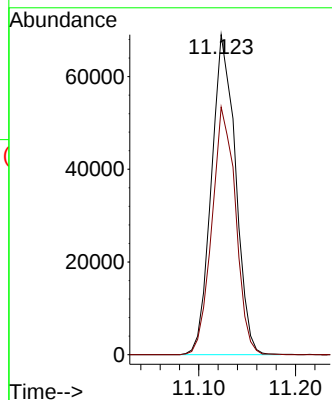
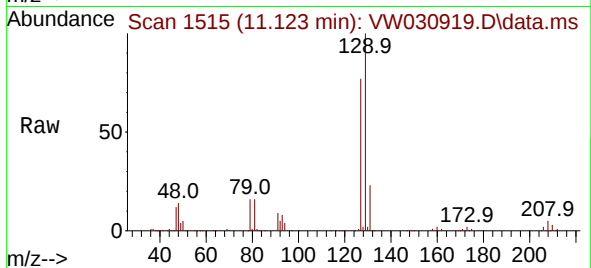
ClientSampleId :

Tgt Ion:129 Resp: 119550

Ion Ratio Lower Upper

129 100

127 77.4 52.1 96.7



#50

1,2-Dibromoethane

Concen: 22.169 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

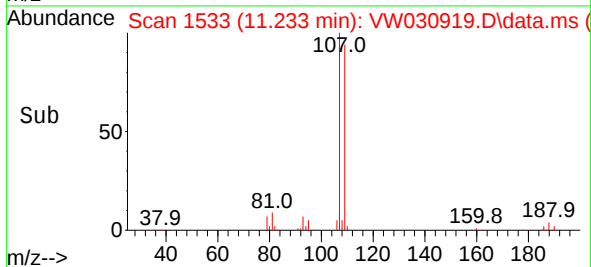
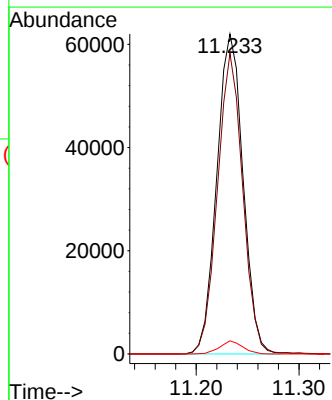
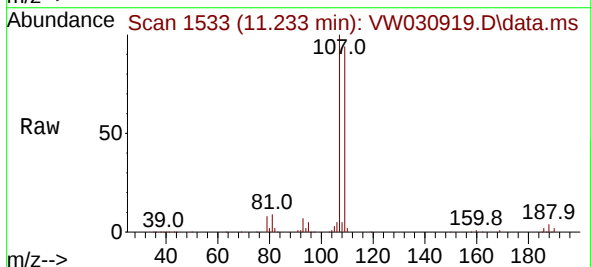
Tgt Ion:107 Resp: 109934

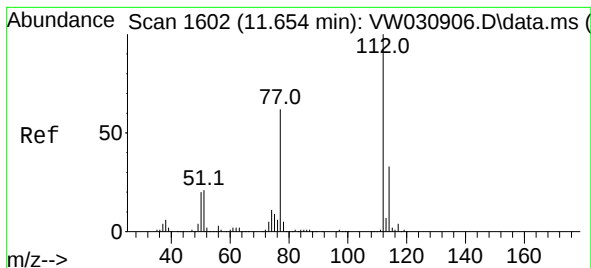
Ion Ratio Lower Upper

107 100

109 93.9 64.3 119.3

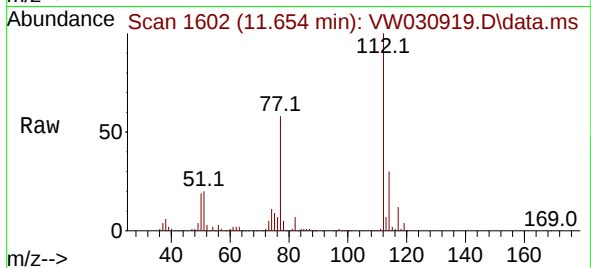
188 4.1 2.7 4.1#



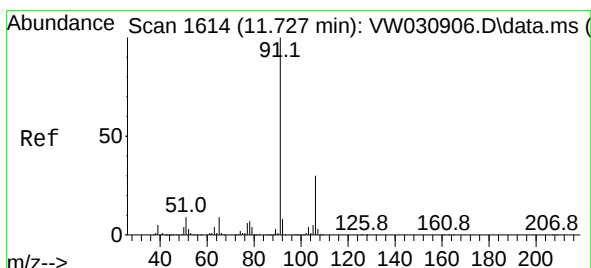
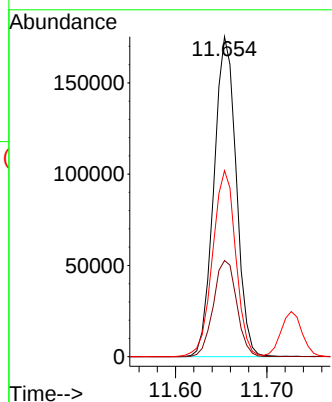
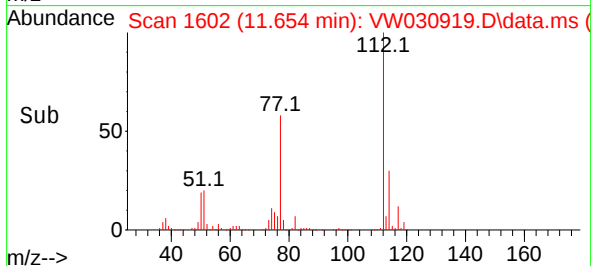


#51  
Chlorobenzene  
Concen: 14.652 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37

Instrument :  
MSVOA\_W  
ClientSampleId :

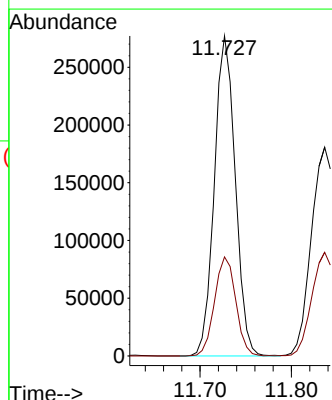
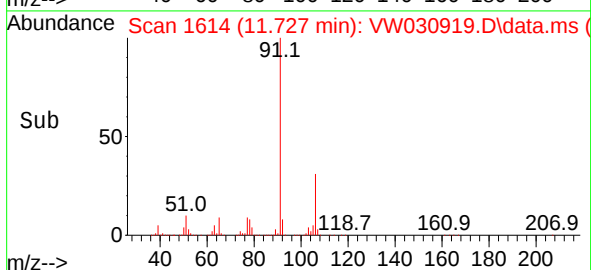
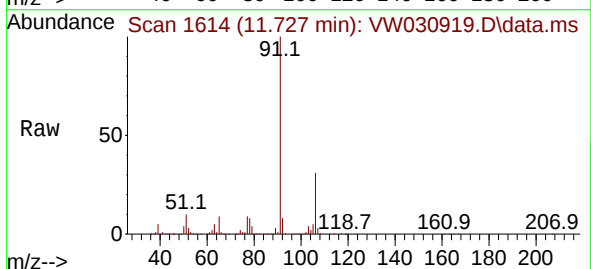


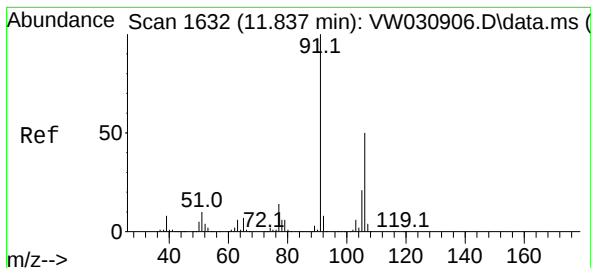
Tgt Ion:112 Resp: 297660  
Ion Ratio Lower Upper  
112 100  
114 30.1 21.9 40.7  
77 58.2 45.3 67.9



#52  
Ethylbenzene  
Concen: 12.281 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37

Tgt Ion: 91 Resp: 440479  
Ion Ratio Lower Upper  
91 100  
106 30.9 21.6 40.0

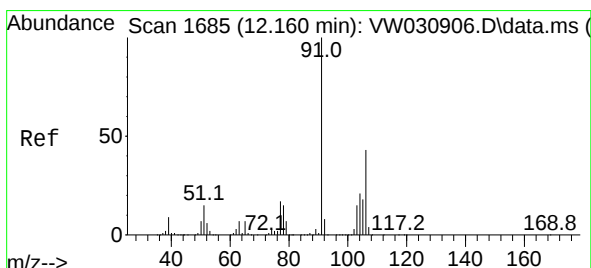
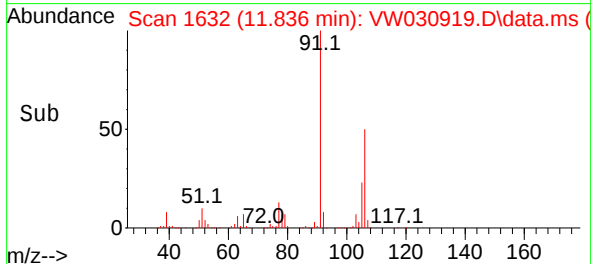
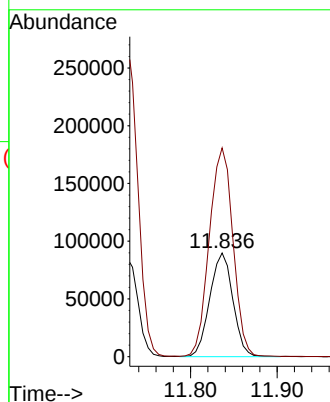
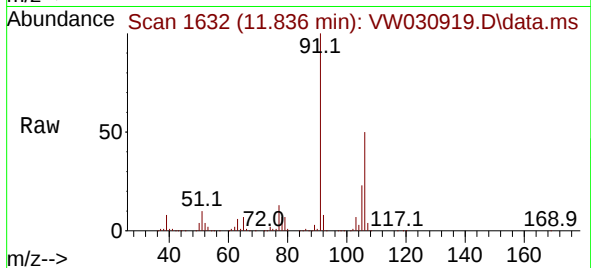




#53  
m,p-Xylene  
Concen: 12.327 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37

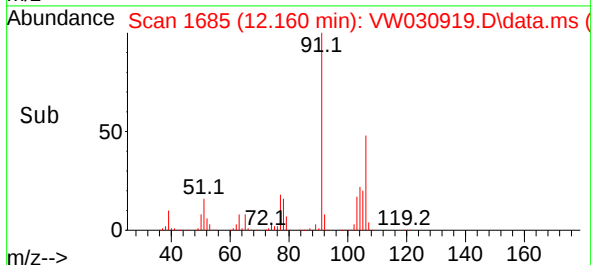
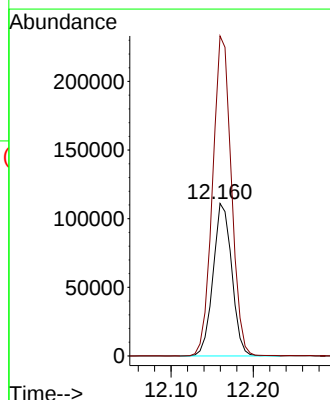
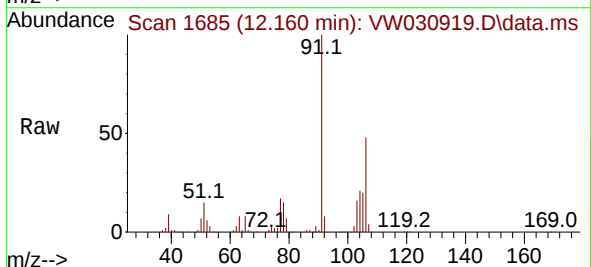
Instrument :  
MSVOA\_W  
ClientSampleId :

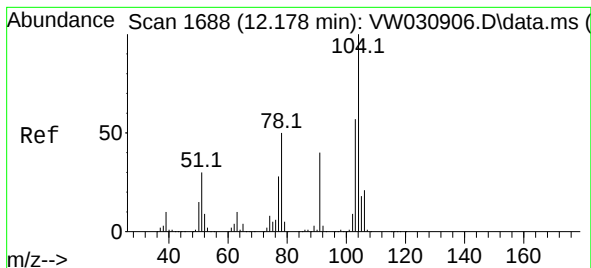
Tgt Ion:106 Resp: 166279  
Ion Ratio Lower Upper  
106 100  
91 201.3 140.7 261.3



#54  
o-Xylene  
Concen: 14.129 ug/L  
RT: 12.160 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37

Tgt Ion:106 Resp: 175368  
Ion Ratio Lower Upper  
106 100  
91 209.9 149.9 278.3





#55

Styrene

Concen: 14.571 ug/L

RT: 12.178 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

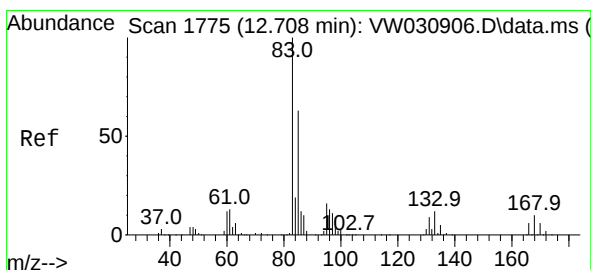
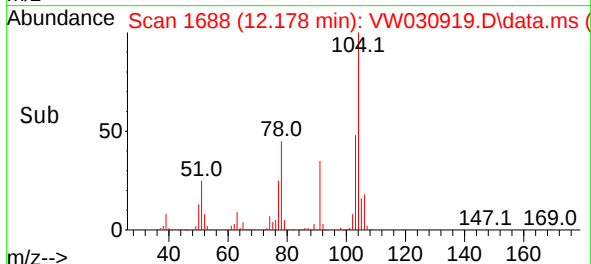
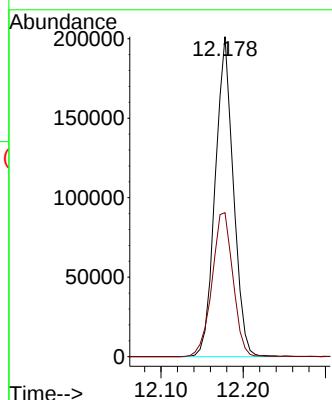
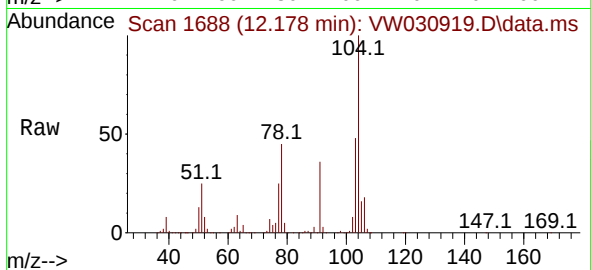
ClientSampleId :

Tgt Ion:104 Resp: 309009

Ion Ratio Lower Upper

104 100

78 45.0 31.8 59.0



#57

1,1,2,2-Tetrachloroethane

Concen: 23.598 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

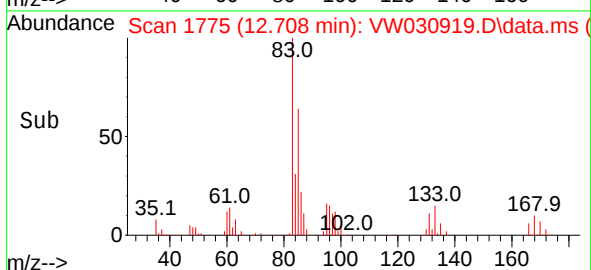
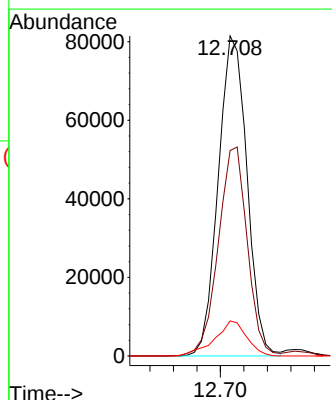
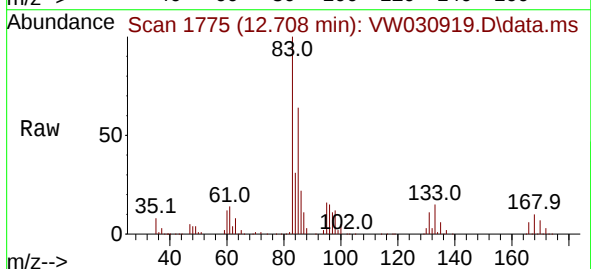
Tgt Ion: 83 Resp: 138480

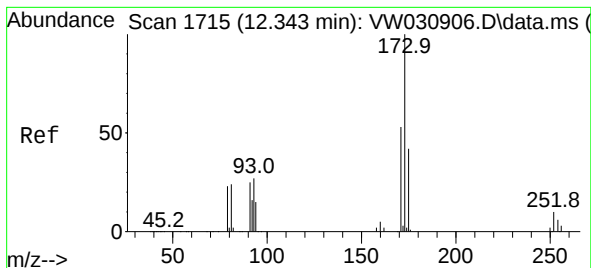
Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7

131 10.9 7.7 11.5





#59

Bromoform

Concen: 22.701 ug/L

RT: 12.349 min Scan# 1715

Delta R.T. 0.006 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

ClientSampleId :

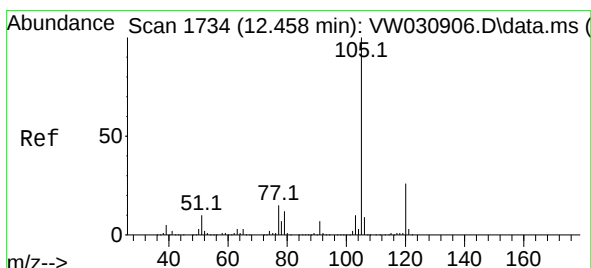
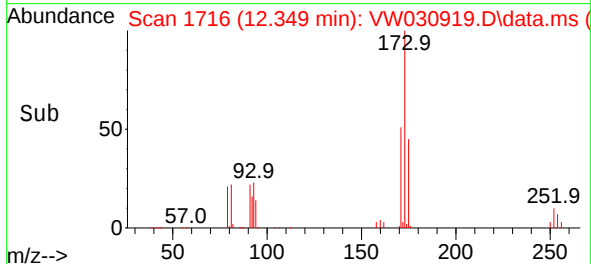
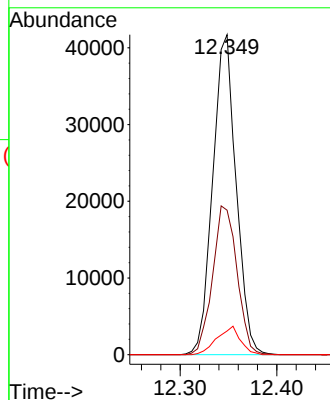
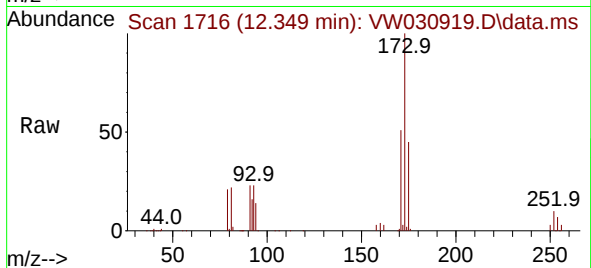
Tgt Ion:173 Resp: 69910

Ion Ratio Lower Upper

173 100

175 48.7 39.3 58.9

254 8.9 7.8 11.6



#60

Isopropylbenzene

Concen: 11.313 ug/L

RT: 12.458 min Scan# 1734

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

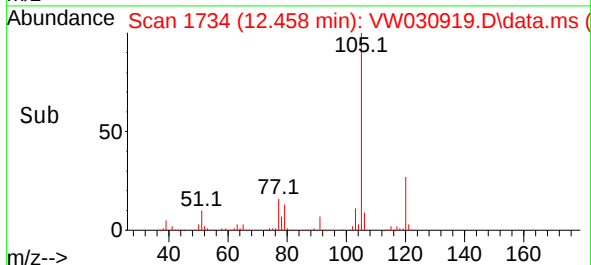
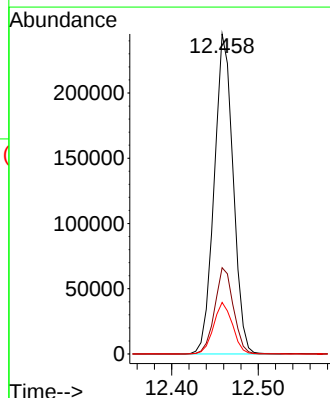
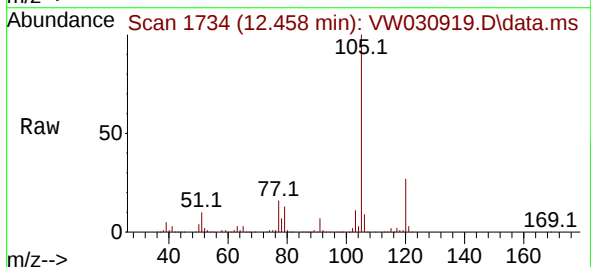
Tgt Ion:105 Resp: 372157

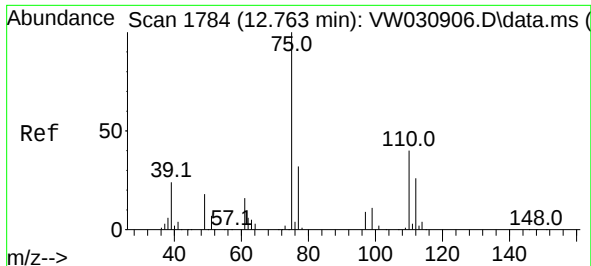
Ion Ratio Lower Upper

105 100

120 26.6 20.6 31.0

77 16.1 13.0 19.4





#61

1,2,3-Trichloropropane

Concen: 25.508 ug/L

RT: 12.763 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

ClientSampleId :

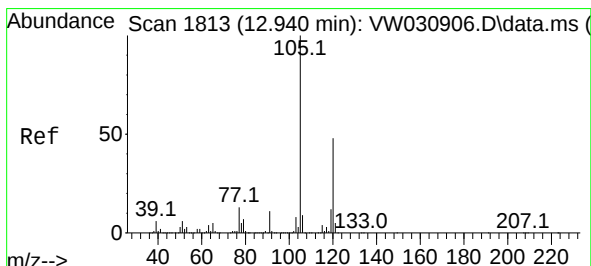
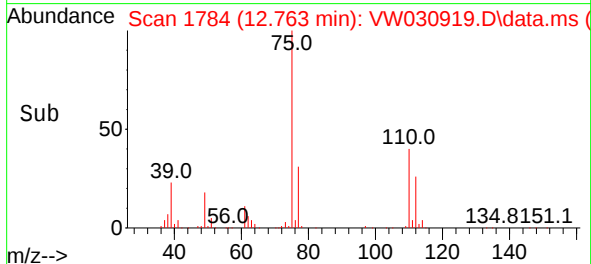
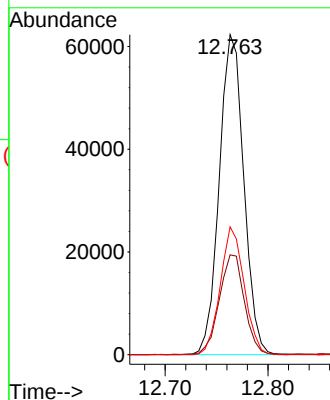
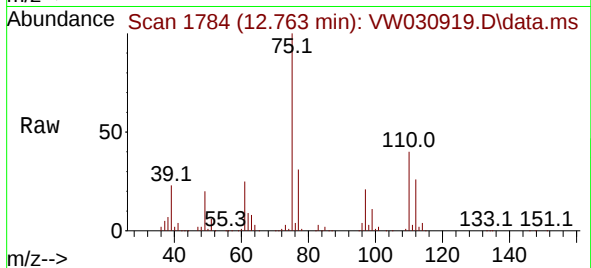
Tgt Ion: 75 Resp: 103137

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2

110 38.9 31.8 47.8



#62

1,3,5-Trimethylbenzene

Concen: 11.173 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW030919.D

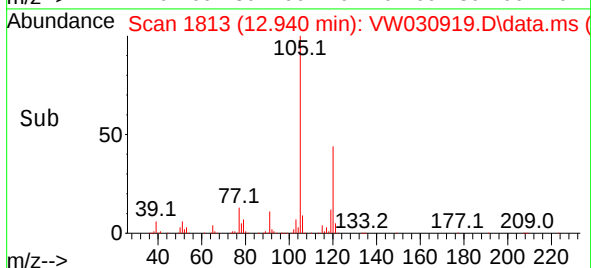
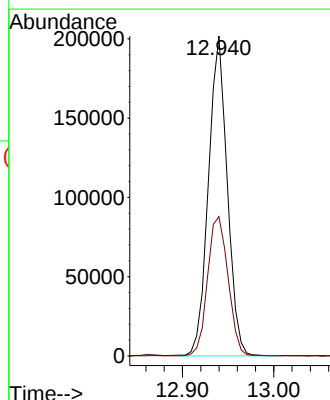
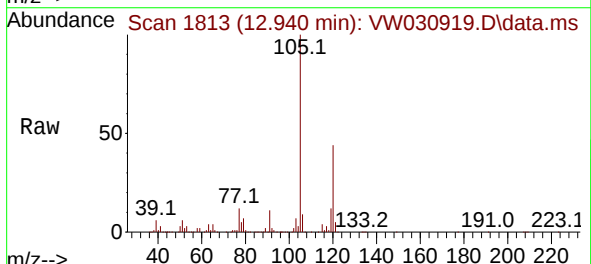
Acq: 04 Nov 2024 20:37

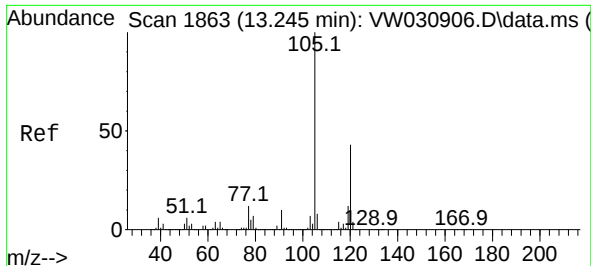
Tgt Ion:105 Resp: 289413

Ion Ratio Lower Upper

105 100

120 47.6 38.7 58.1





#63

1,2,4-Trimethylbenzene

Concen: 11.799 ug/L

RT: 13.245 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

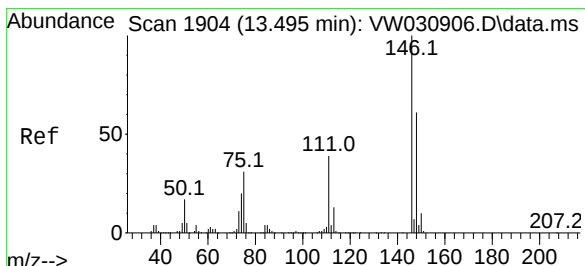
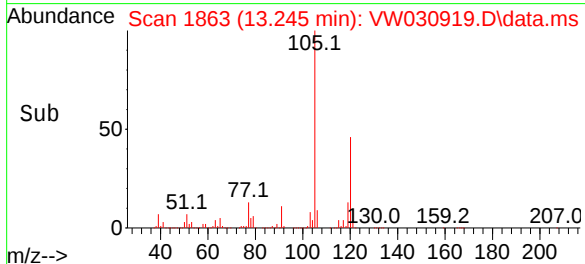
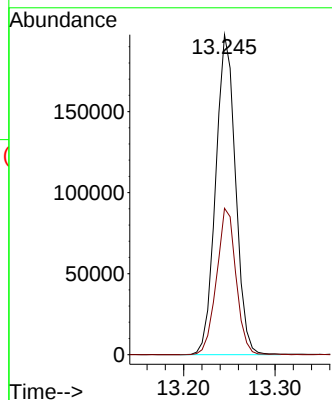
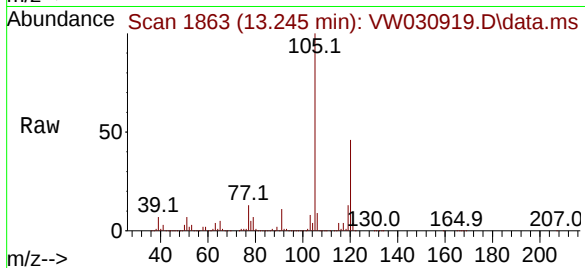
ClientSampleId :

Tgt Ion:105 Resp: 297620

Ion Ratio Lower Upper

105 100

120 44.8 35.9 53.9



#64

1,3-Dichlorobenzene

Concen: 13.558 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

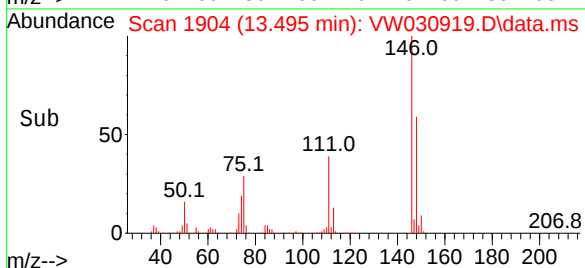
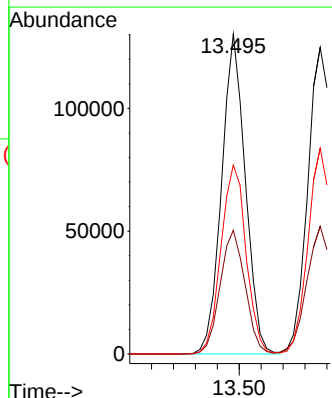
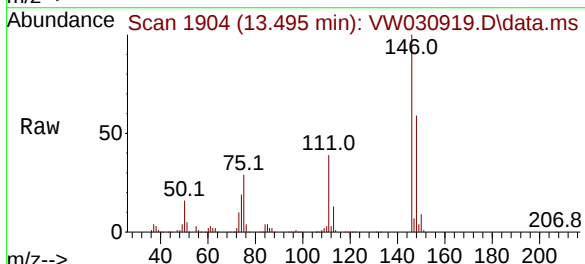
Tgt Ion:146 Resp: 195852

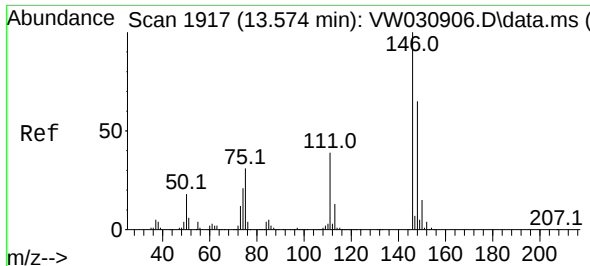
Ion Ratio Lower Upper

146 100

111 38.6 26.8 49.8

148 59.0 41.8 77.6





#65

1,4-Dichlorobenzene

Concen: 13.416 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

ClientSampleId :

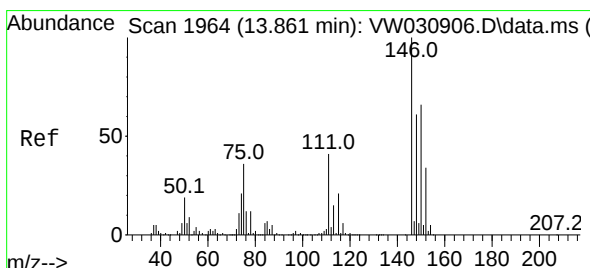
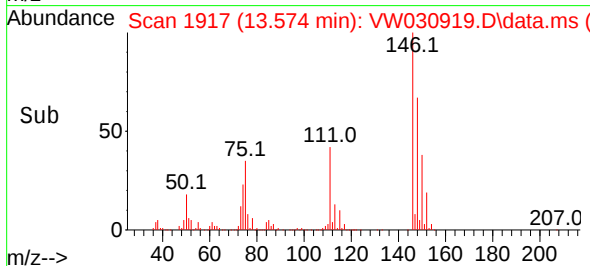
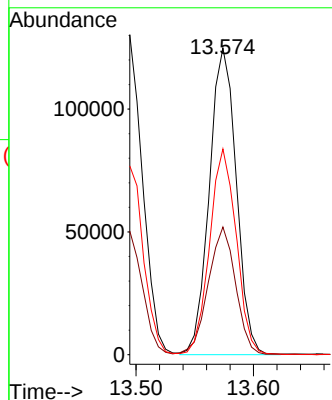
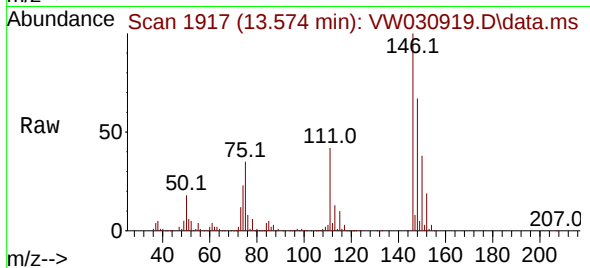
Tgt Ion:146 Resp: 198954

Ion Ratio Lower Upper

146 100

111 41.7 27.6 51.4

148 67.1 41.6 77.2



#67

1,2-Dichlorobenzene

Concen: 15.539 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.006 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

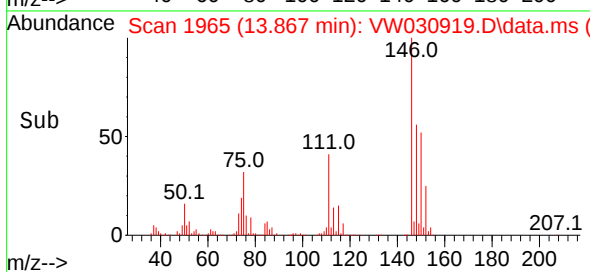
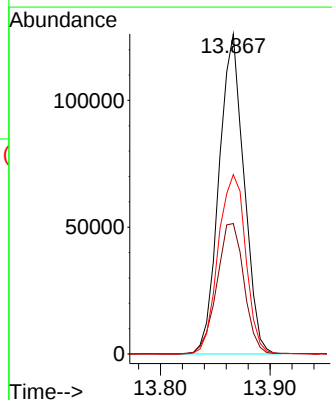
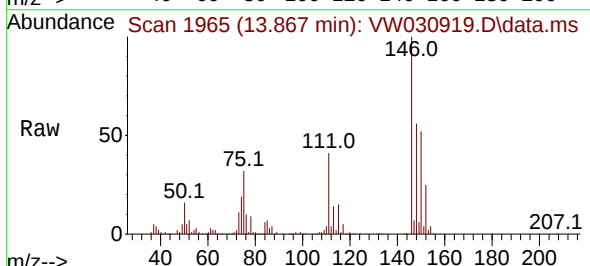
Tgt Ion:146 Resp: 200050

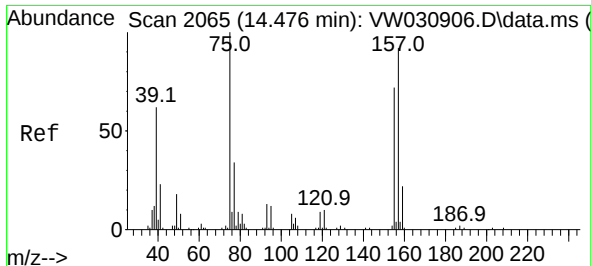
Ion Ratio Lower Upper

146 100

111 40.7 34.3 51.5

148 56.0 48.0 72.0





#68

1,2-Dibromo-3-chloropropane

Concen: 27.412 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW030919.D

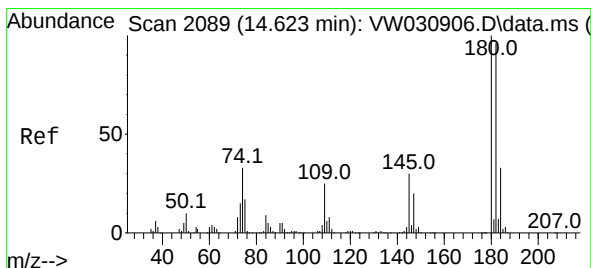
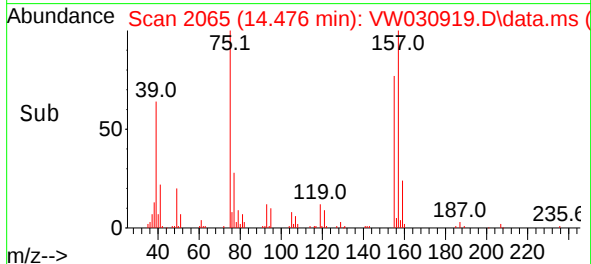
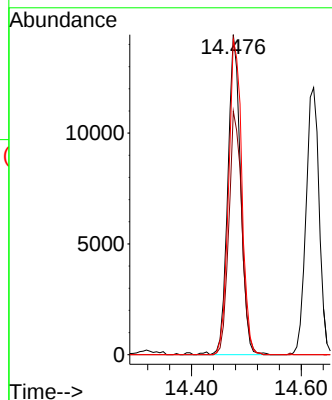
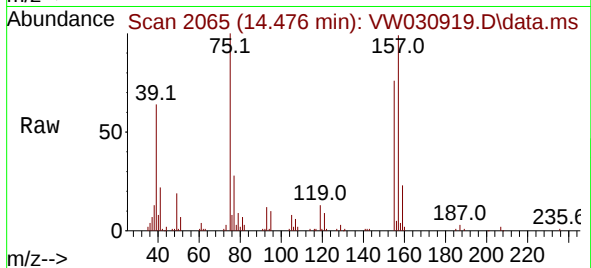
Acq: 04 Nov 2024 20:37

Instrument :

MSVOA\_W

ClientSampleId :

|             |                 |
|-------------|-----------------|
| Tgt Ion: 75 | Resp: 23466     |
| Ion Ratio   | Lower Upper     |
| 75          | 100             |
| 155         | 76.1 56.2 84.2  |
| 157         | 98.7 74.9 112.3 |



#69

1,3,5-Trichlorobenzene

Concen: 11.551 ug/L

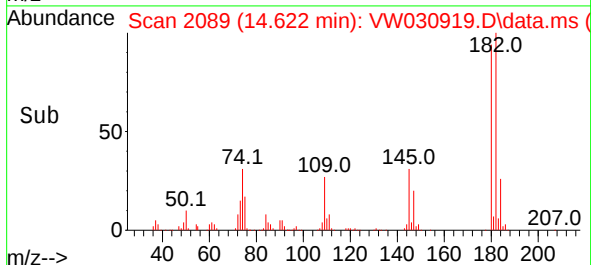
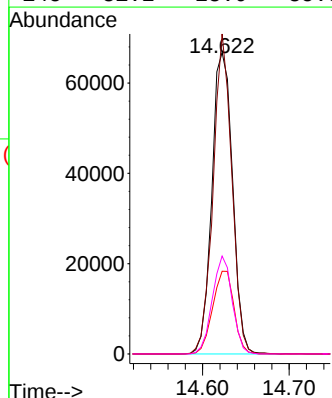
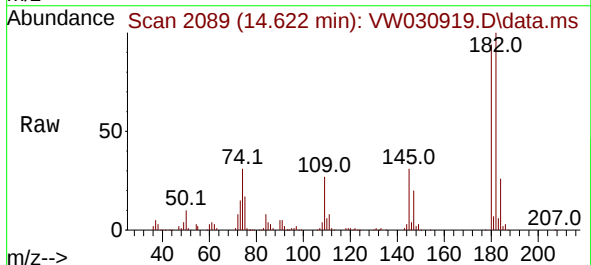
RT: 14.622 min Scan# 2089

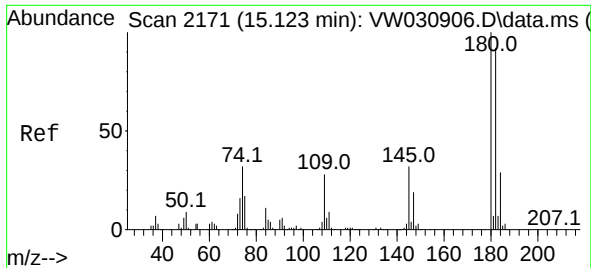
Delta R.T. -0.000 min

Lab File: VW030919.D

Acq: 04 Nov 2024 20:37

|              |                 |
|--------------|-----------------|
| Tgt Ion: 180 | Resp: 110723    |
| Ion Ratio    | Lower Upper     |
| 180          | 100             |
| 182          | 95.9 76.6 114.8 |
| 184          | 28.3 23.9 35.9  |
| 145          | 31.2 23.9 35.9  |

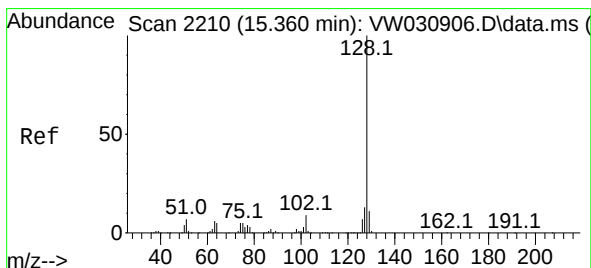
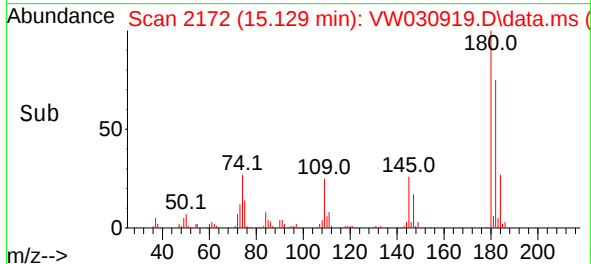
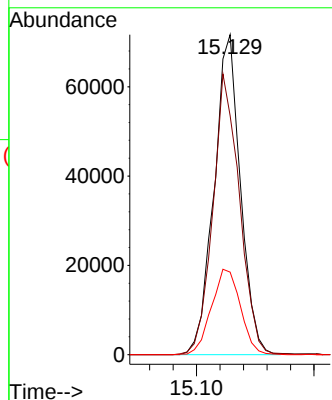
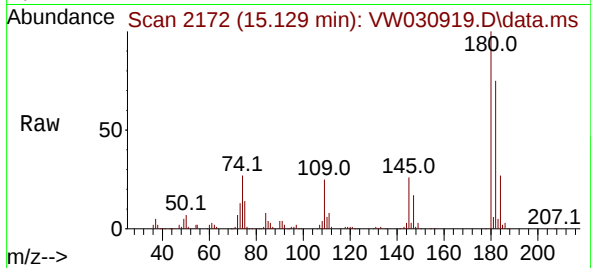




#70  
1,2,4-trichlorobenzene  
Concen: 14.712 ug/L  
RT: 15.129 min Scan# 2171  
Delta R.T. 0.006 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37

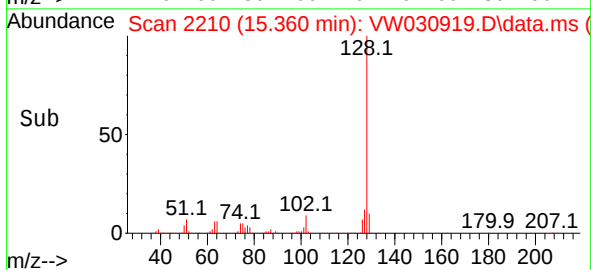
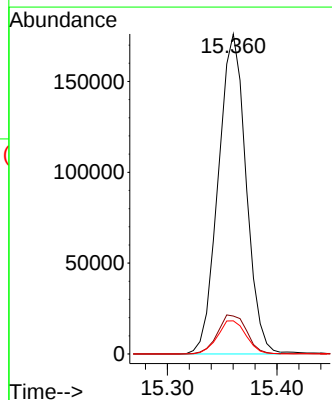
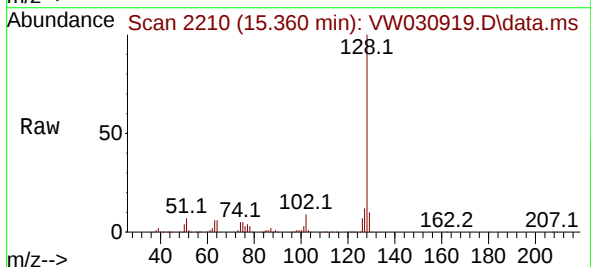
Instrument :  
MSVOA\_W  
ClientSampleId :

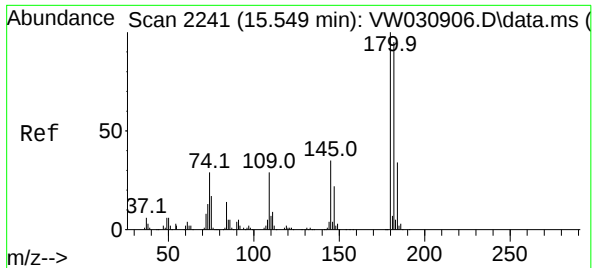
Tgt Ion:180 Resp: 111979  
Ion Ratio Lower Upper  
180 100  
182 88.5 74.5 111.7  
145 29.4 24.2 36.2



#71  
Naphthalene  
Concen: 25.133 ug/L  
RT: 15.360 min Scan# 2210  
Delta R.T. -0.000 min  
Lab File: VW030919.D  
Acq: 04 Nov 2024 20:37

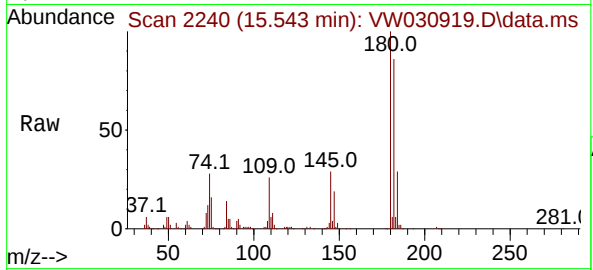
Tgt Ion:128 Resp: 310113  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.2 15.4  
129 10.7 8.7 13.1





#72  
 1,2,3-Trichlorobenzene  
 Concen: 18.098 ug/L  
 RT: 15.543 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VW030919.D  
 Acq: 04 Nov 2024 20:37

Instrument :  
 MSVOA\_W  
 ClientSampleId :



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 118716 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 85.7  | 79.2  | 118.8  |
| 145       | 31.0  | 27.0  | 40.6   |

