

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121024\  
 Data File : VX044199.D  
 Acq On : 10 Dec 2024 11:35  
 Operator : JC/MD  
 Sample : VX1210WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 11 01:27:41 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

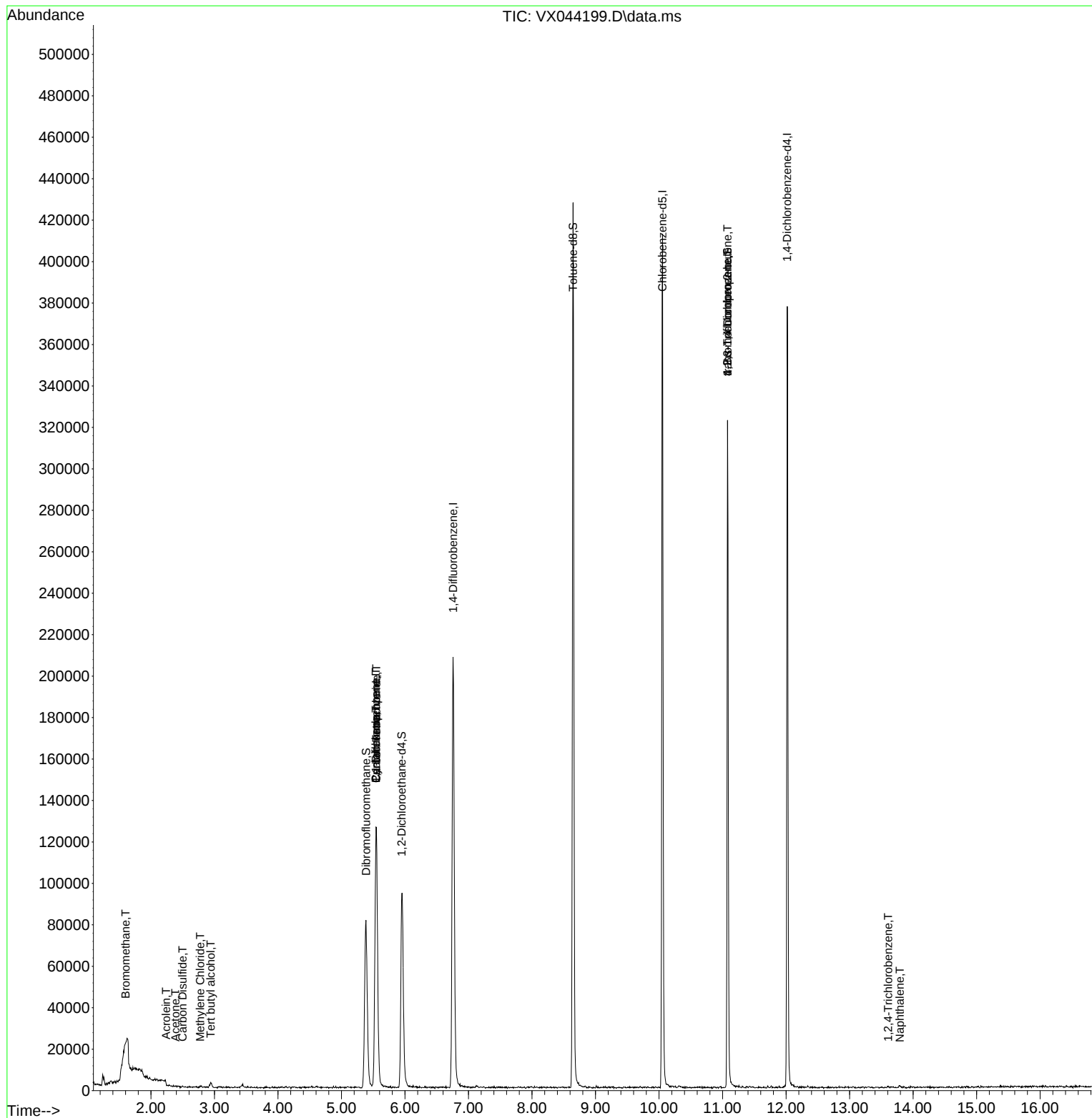
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 110263   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 207593   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 178508   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 71476    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.946  | 65    | 94012    | 49.710    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 99.420%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 68829    | 46.401    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 92.800%  |
| 50) Toluene-d8                | 8.647  | 98    | 251203   | 49.128    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 98.260%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 82733    | 47.543    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery  | =      | 95.080%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.599  | 94    | 820      | 0.853     | ug/l # | 54       |
| 11) Tert butyl alcohol        | 2.940  | 59    | 1246     | 4.105     | ug/l # | 73       |
| 13) Acrolein                  | 2.239  | 56    | 92       | 0.288     | ug/l # | 26       |
| 16) Acetone                   | 2.386  | 43    | 410      | 0.472     | ug/l # | 83       |
| 17) Carbon Disulfide          | 2.495  | 76    | 614      | 0.234     | ug/l # | 76       |
| 20) Methylene Chloride        | 2.776  | 84    | 322      | 0.218     | ug/l # | 43       |
| 31) Cyclohexane               | 5.544  | 56    | 3279     | 1.556     | ug/l # | 47       |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 10995    | 5.948     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 13825    | 6.656     | ug/l # | 16       |
| 58) 2-Chloroethyl Vinyl ether | 8.348  | 63    | 22       | Below Cal | #      | 46       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 46685    | 29.784    | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 46685    | 81.273    | ug/l # | 6        |
| 93) 1,2,4-Trichlorobenzene    | 13.609 | 180   | 296      | 0.208     | ug/l # | 42       |
| 95) Naphthalene               | 13.792 | 128   | 1360     | 0.266     | ug/l # | 74       |
| -----                         |        |       |          |           |        |          |

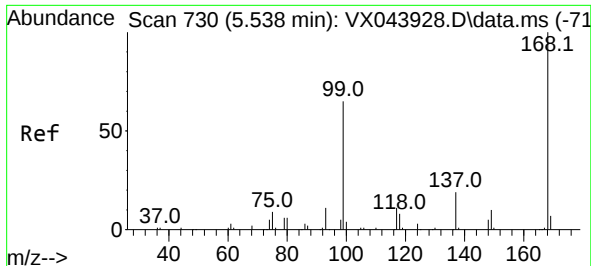
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121024\  
Data File : VX044199.D  
Acq On : 10 Dec 2024 11:35  
Operator : JC/MD  
Sample : VX1210WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Dec 11 01:27:41 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

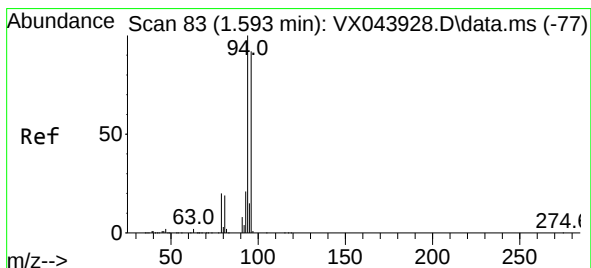
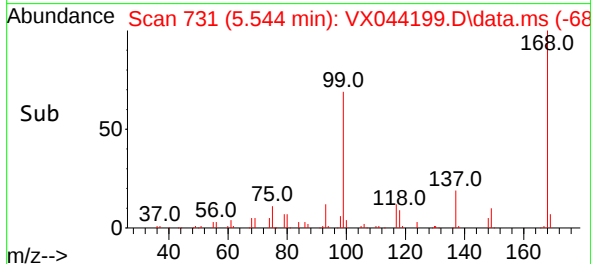
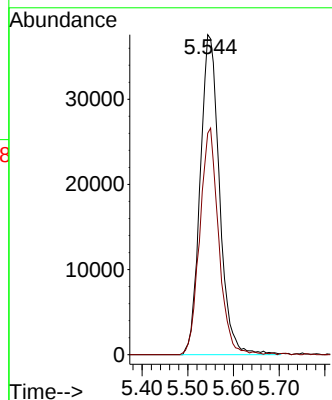
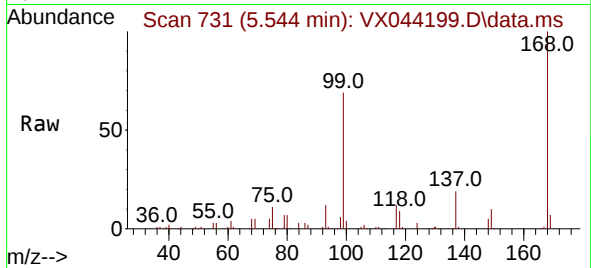




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX044199.D  
Acq: 10 Dec 2024 11:35

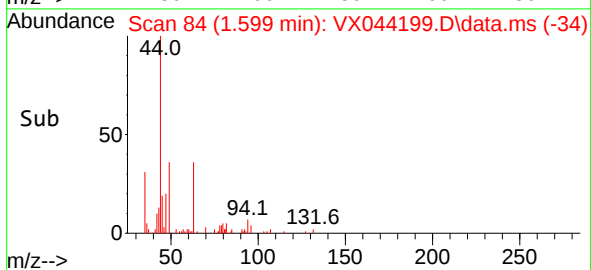
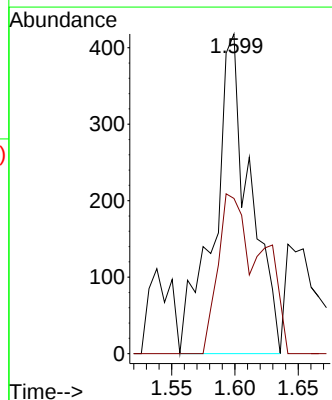
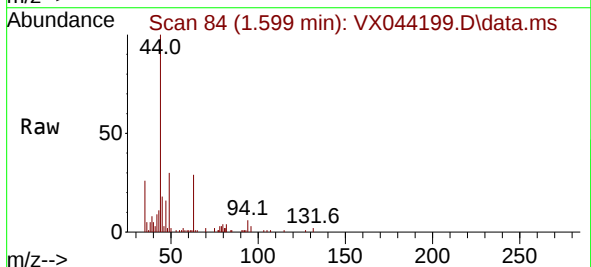
Instrument :  
MSVOA\_X  
ClientSampleId :

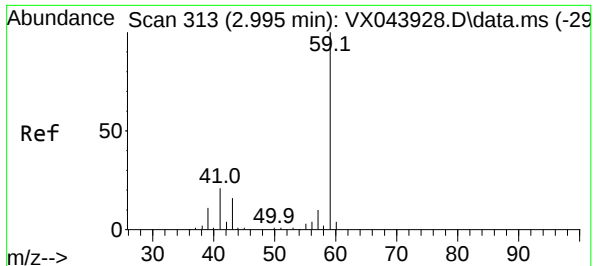
Tgt Ion:168 Resp: 110263  
Ion Ratio Lower Upper  
168 100  
99 69.2 51.8 77.8



#5  
Bromomethane  
Concen: 0.853 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX044199.D  
Acq: 10 Dec 2024 11:35

Tgt Ion: 94 Resp: 820  
Ion Ratio Lower Upper  
94 100  
96 48.6 73.9 110.9#





#11

Tert butyl alcohol

Concen: 4.105 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

Instrument :

MSVOA\_X

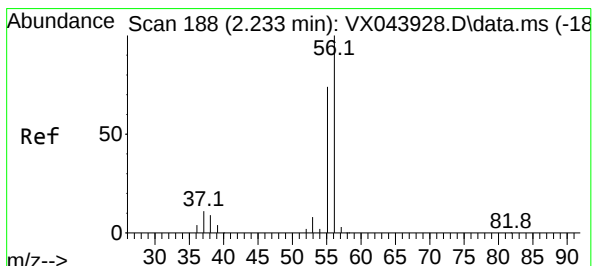
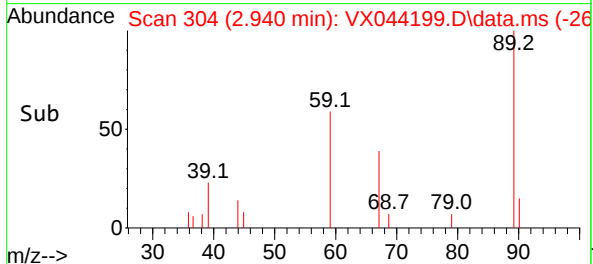
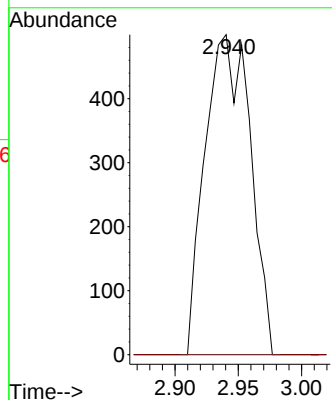
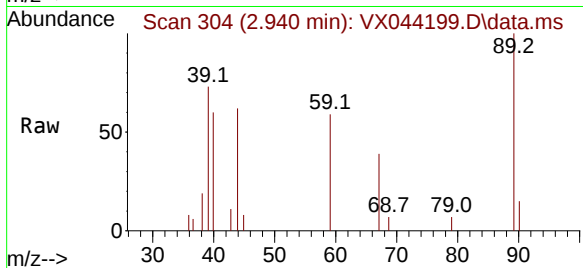
ClientSampleId :

Tgt Ion: 59 Resp: 1246

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#13

Acrolein

Concen: 0.288 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX044199.D

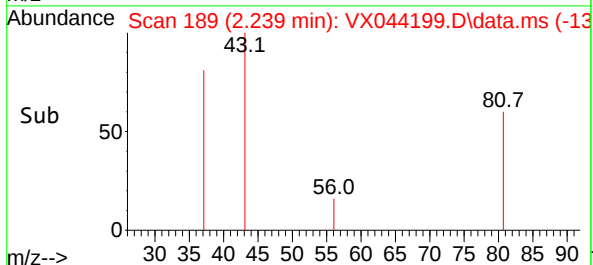
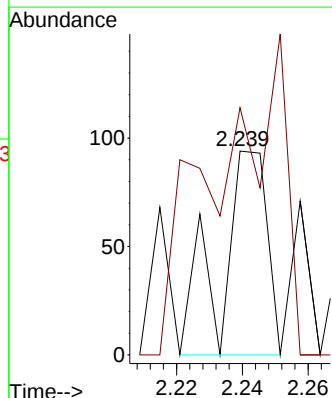
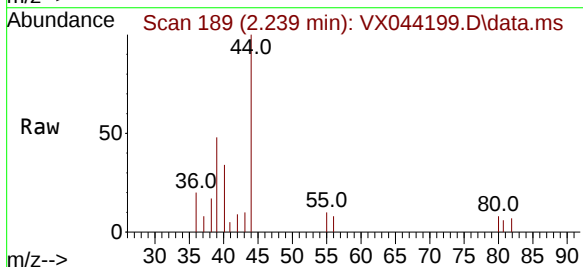
Acq: 10 Dec 2024 11:35

Tgt Ion: 56 Resp: 92

Ion Ratio Lower Upper

56 100

55 134.8 58.2 87.2#





#16

Acetone

Concen: 0.472 ug/l

RT: 2.386 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

Instrument :

MSVOA\_X

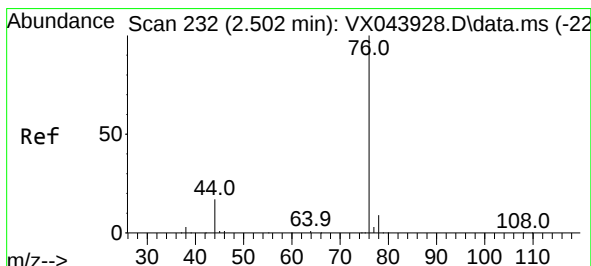
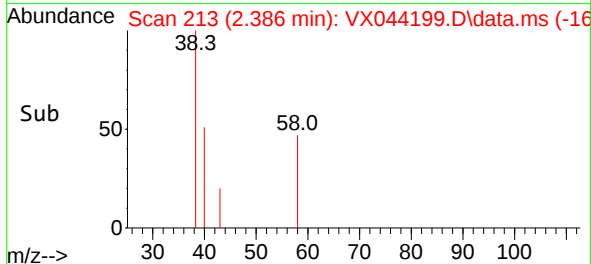
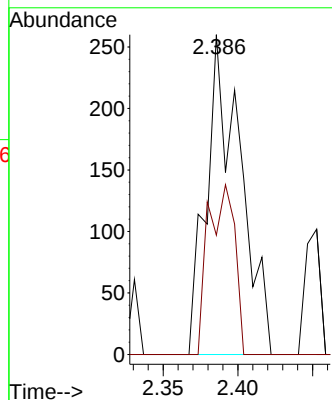
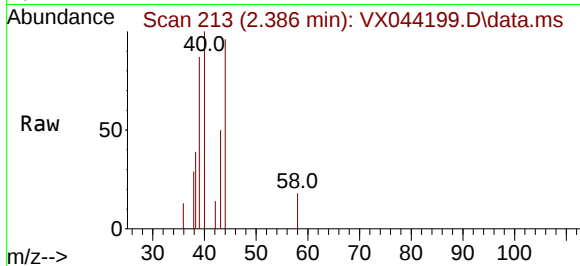
ClientSampleId :

Tgt Ion: 43 Resp: 410

Ion Ratio Lower Upper

43 100

58 37.3 22.7 34.1#



#17

Carbon Disulfide

Concen: 0.234 ug/l

RT: 2.495 min Scan# 231

Delta R.T. -0.006 min

Lab File: VX044199.D

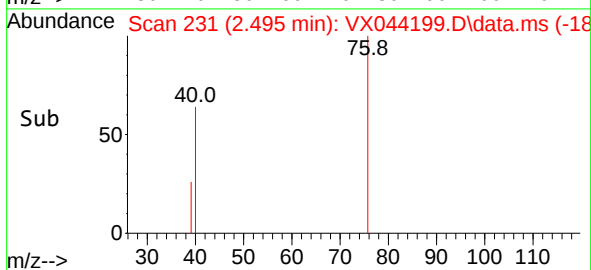
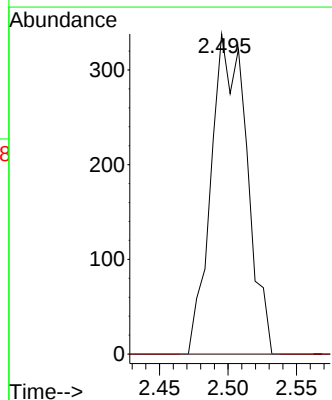
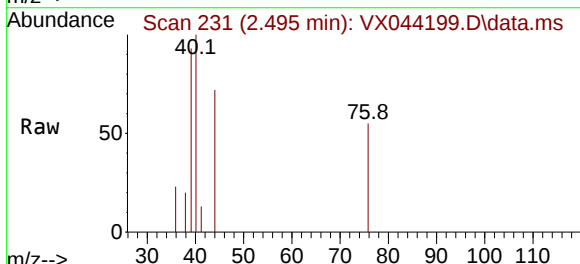
Acq: 10 Dec 2024 11:35

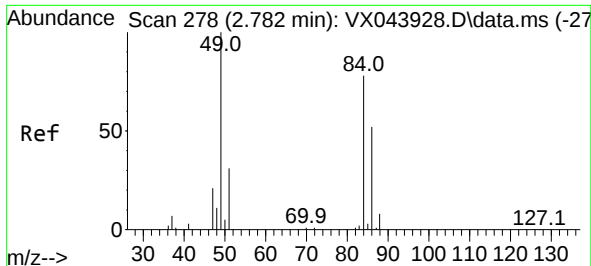
Tgt Ion: 76 Resp: 614

Ion Ratio Lower Upper

76 100

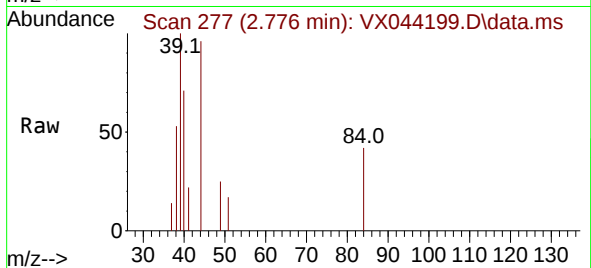
78 0.0 7.0 10.6#



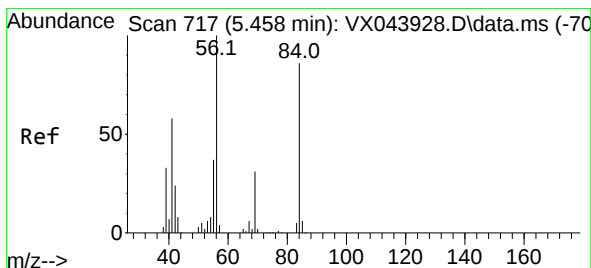
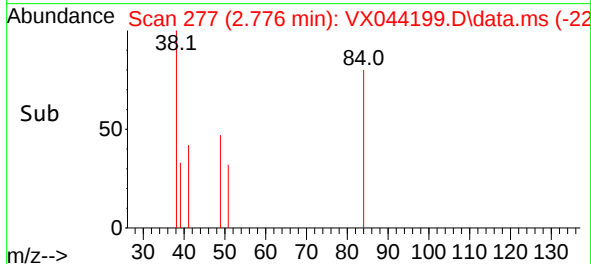
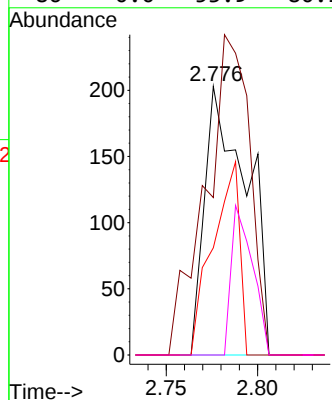


#20  
Methylene Chloride  
Concen: 0.218 ug/l  
RT: 2.776 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX044199.D  
Acq: 10 Dec 2024 11:35

Instrument :  
MSVOA\_X  
ClientSampleId :

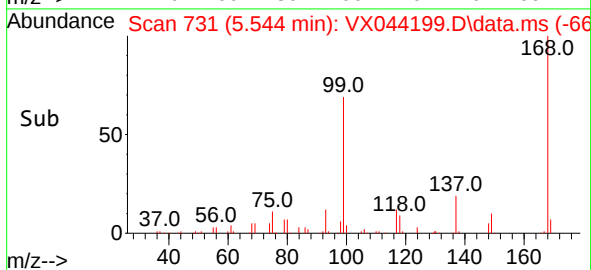
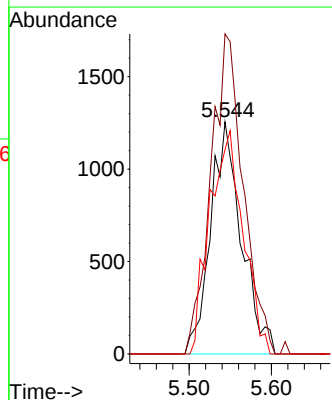
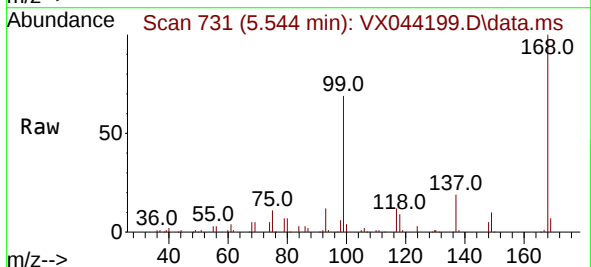


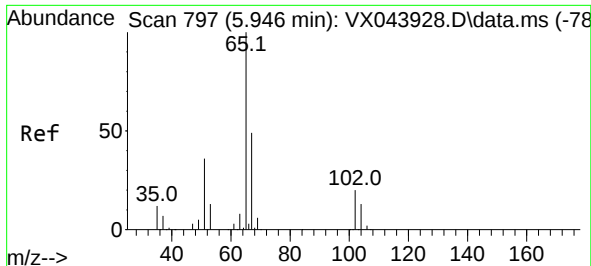
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 322    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 58.6  | 102.7 | 154.1# |
| 51       | 39.9  | 31.7  | 47.5   |
| 86       | 0.0   | 53.9  | 80.9#  |



#31  
Cyclohexane  
Concen: 1.556 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.085 min  
Lab File: VX044199.D  
Acq: 10 Dec 2024 11:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 3279  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 137.9 | 24.7  | 37.1# |
| 84       | 88.0  | 68.7  | 103.1 |





#33

1,2-Dichloroethane-d4

Concen: 49.710 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

Instrument :

MSVOA\_X

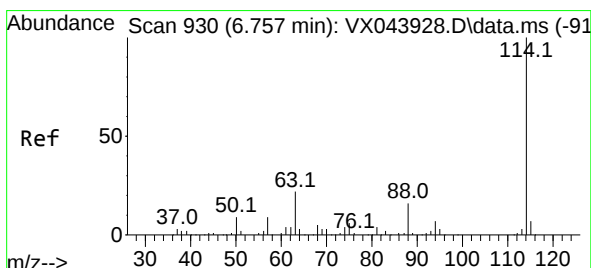
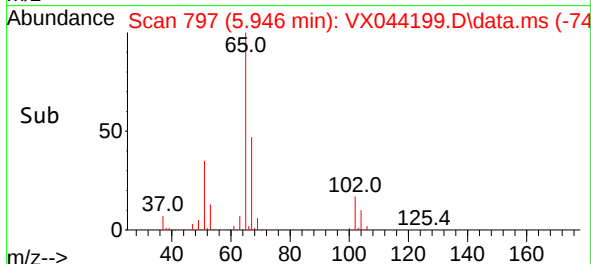
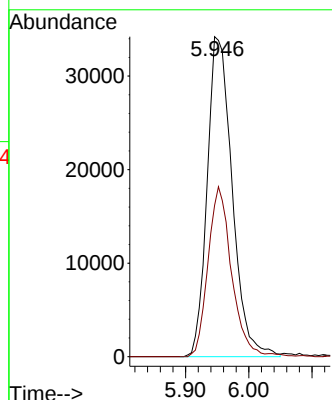
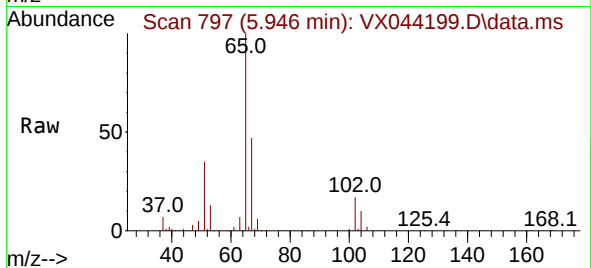
ClientSampleId :

Tgt Ion: 65 Resp: 94012

Ion Ratio Lower Upper

65 100

67 50.2 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

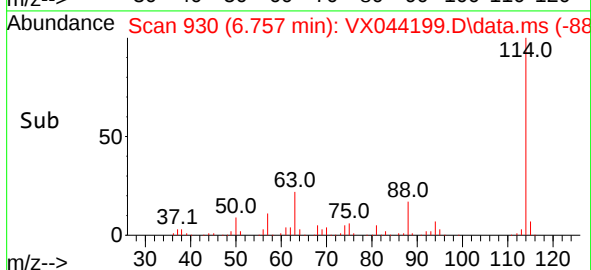
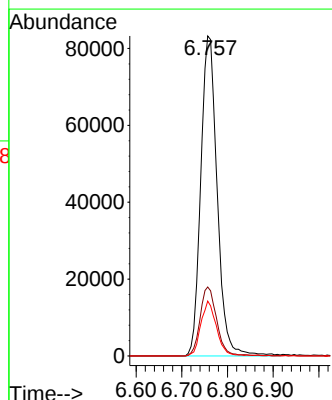
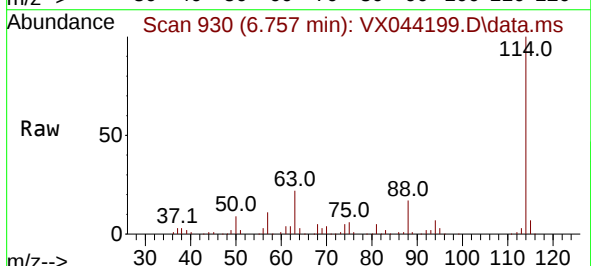
Tgt Ion: 114 Resp: 207593

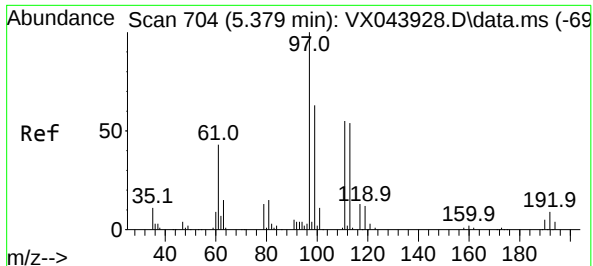
Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.0

88 17.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.401 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

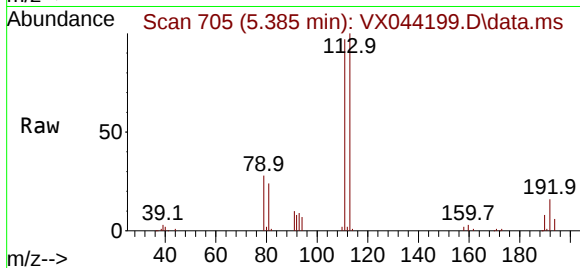
Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

Instrument :

MSVOA\_X

ClientSampleId :



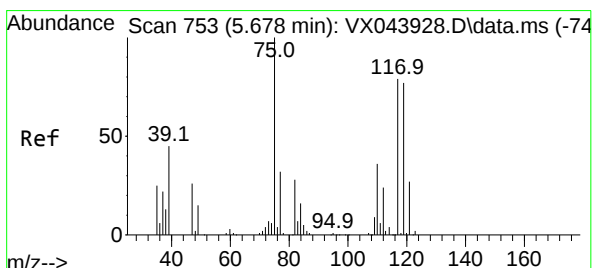
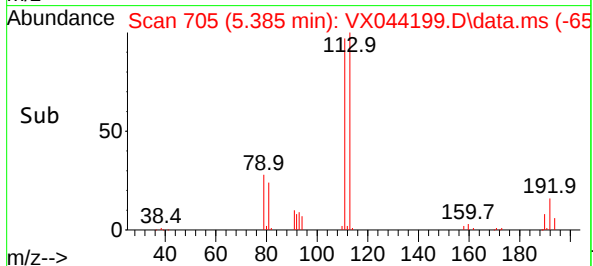
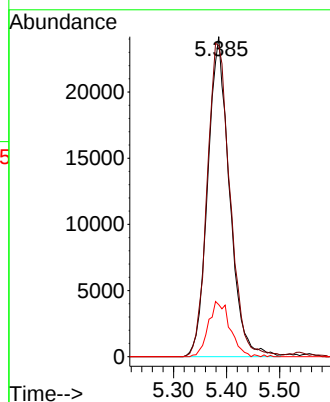
Tgt Ion:113 Resp: 68829

Ion Ratio Lower Upper

113 100

111 103.0 81.0 121.4

192 17.3 13.0 19.6



#36

1,1-Dichloropropene

Concen: 5.948 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

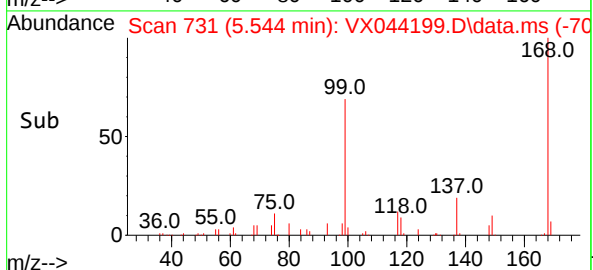
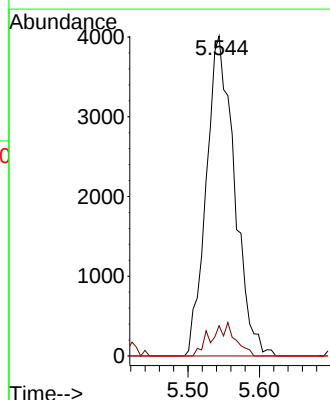
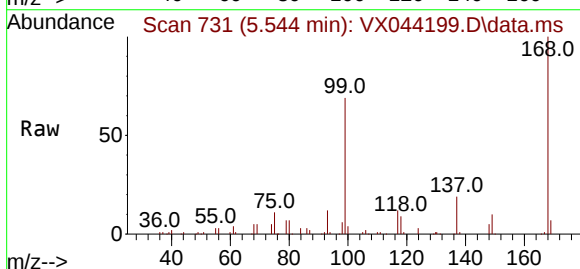
Tgt Ion: 75 Resp: 10995

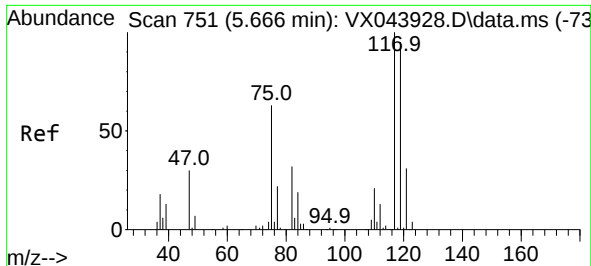
Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.2#

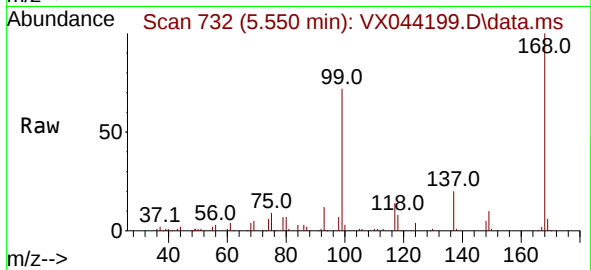
77 0.0 25.8 38.8#



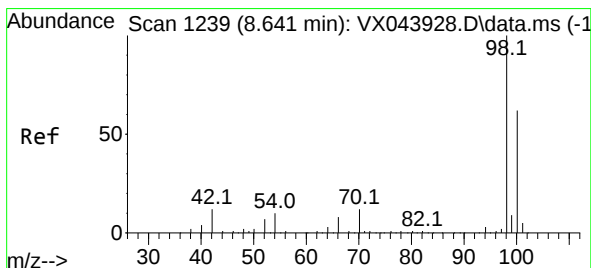
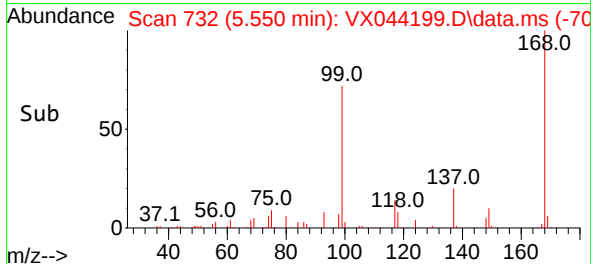
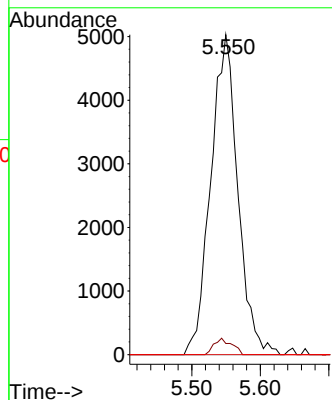


#38  
Carbon Tetrachloride  
Concen: 6.656 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.116 min  
Lab File: VX044199.D  
Acq: 10 Dec 2024 11:35

Instrument :  
MSVOA\_X  
ClientSampleId :

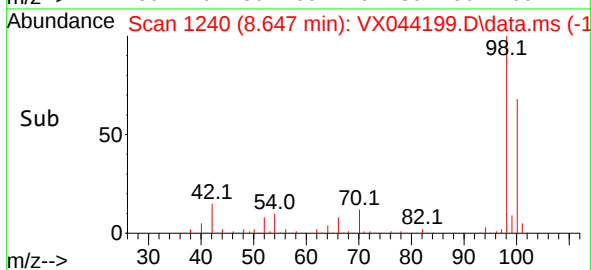
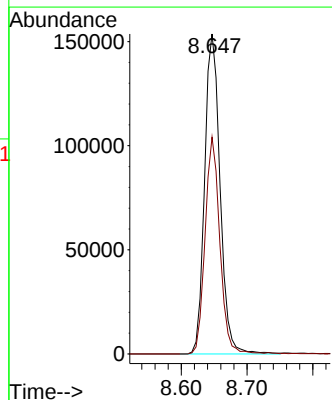
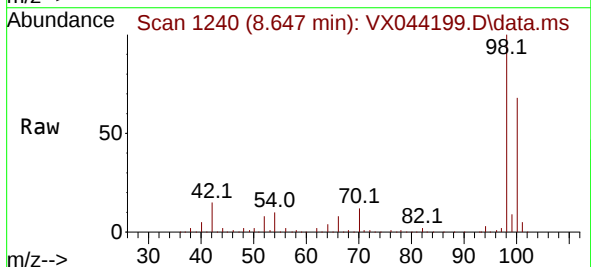


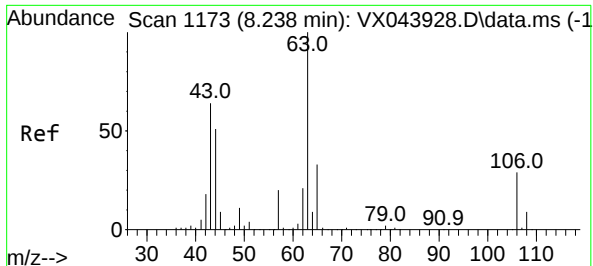
Tgt Ion:117 Resp: 13825  
Ion Ratio Lower Upper  
117 100  
119 3.5 75.2 112.8#  
121 0.0 24.5 36.7#



#50  
Toluene-d8  
Concen: 49.128 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.006 min  
Lab File: VX044199.D  
Acq: 10 Dec 2024 11:35

Tgt Ion: 98 Resp: 251203  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.6 79.0

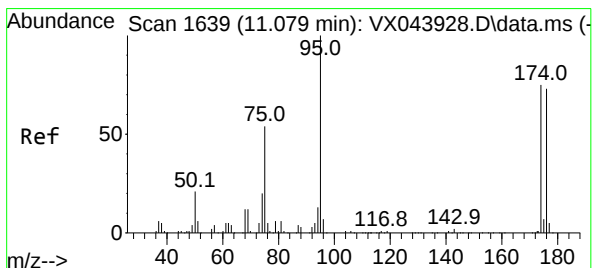
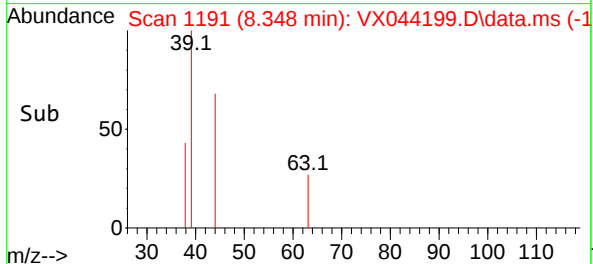
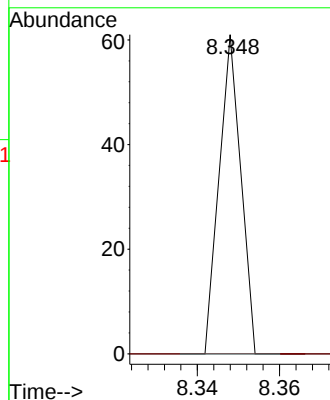
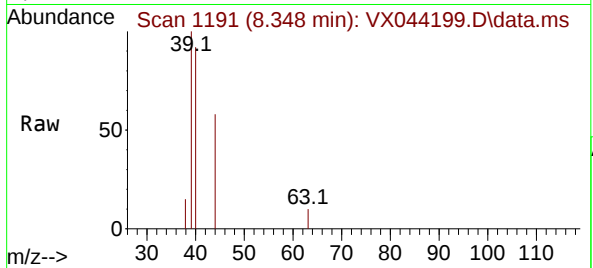




#58  
2-Chloroethyl Vinyl ether  
Concen: Below Cal  
RT: 8.348 min Scan# 1191  
Delta R.T. 0.110 min  
Lab File: VX044199.D  
Acq: 10 Dec 2024 11:35

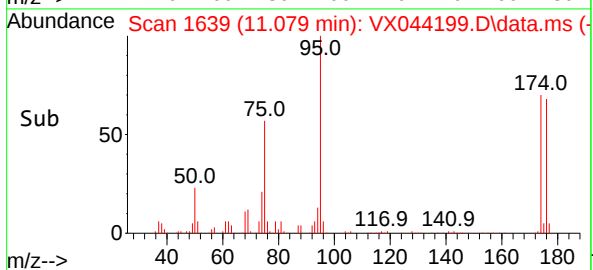
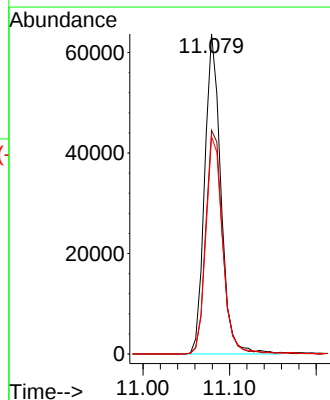
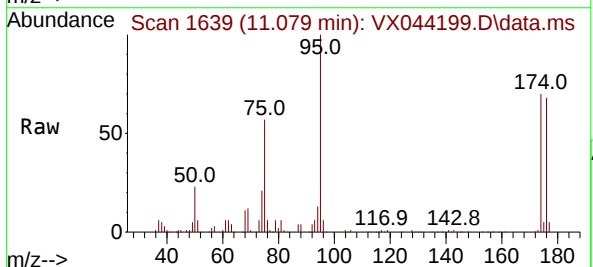
Instrument :  
MSVOA\_X  
ClientSampleId :

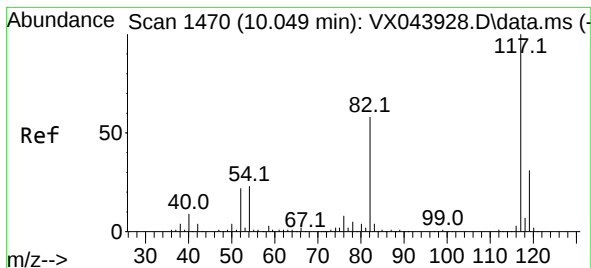
Tgt Ion: 63 Resp: 22  
Ion Ratio Lower Upper  
63 100  
106 0.0 23.0 34.6#



#62  
4-Bromofluorobenzene  
Concen: 47.543 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX044199.D  
Acq: 10 Dec 2024 11:35

Tgt Ion: 95 Resp: 82733  
Ion Ratio Lower Upper  
95 100  
174 72.6 0.0 150.4  
176 70.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

Instrument :

MSVOA\_X

ClientSampleId :

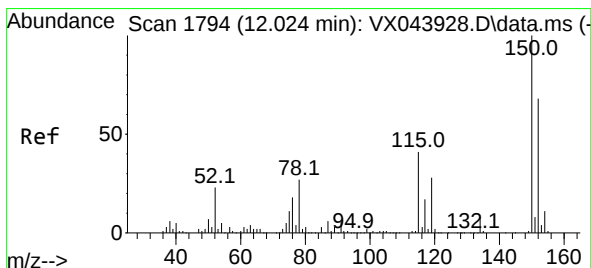
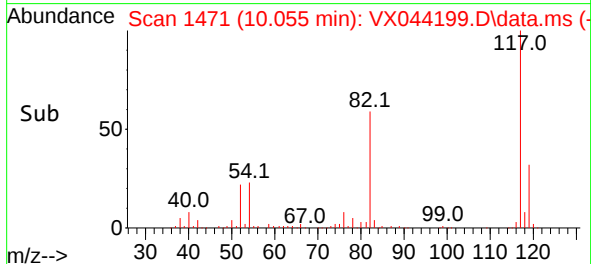
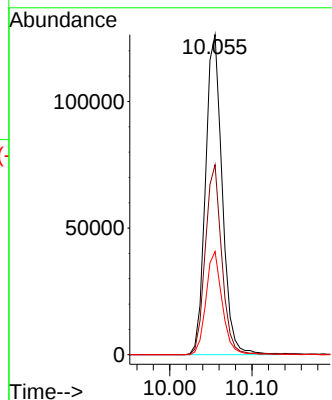
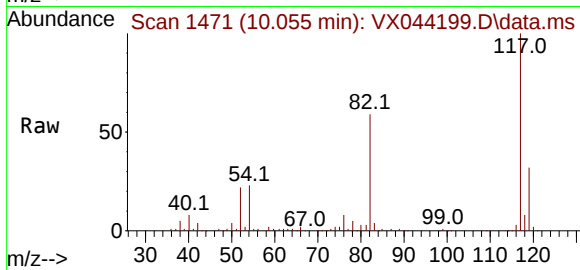
Tgt Ion:117 Resp: 178508

Ion Ratio Lower Upper

117 100

82 59.3 46.4 69.6

119 32.2 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

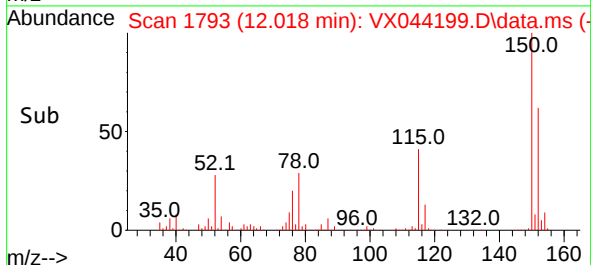
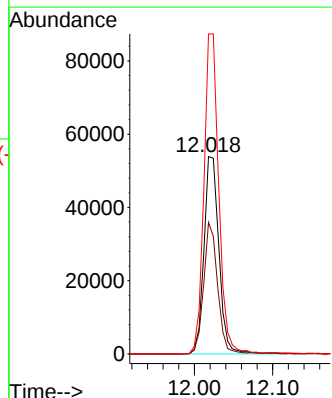
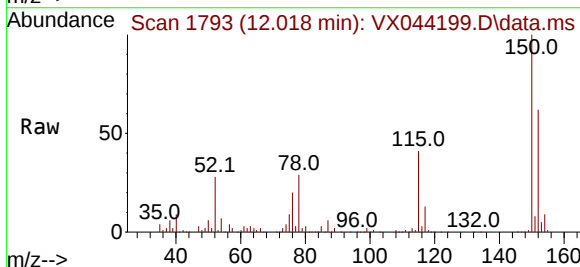
Tgt Ion:152 Resp: 71476

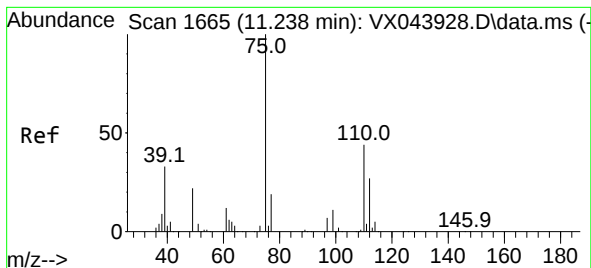
Ion Ratio Lower Upper

152 100

115 62.7 45.4 136.2

150 160.5 0.0 353.0





#76

1,2,3-Trichloropropane

Concen: 29.784 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

Instrument :

MSVOA\_X

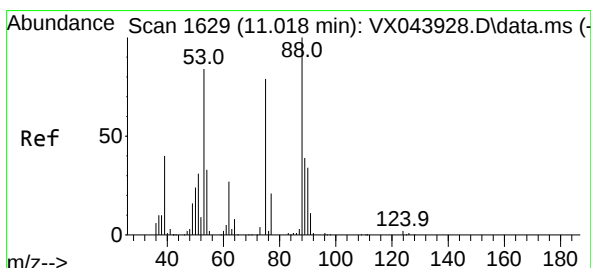
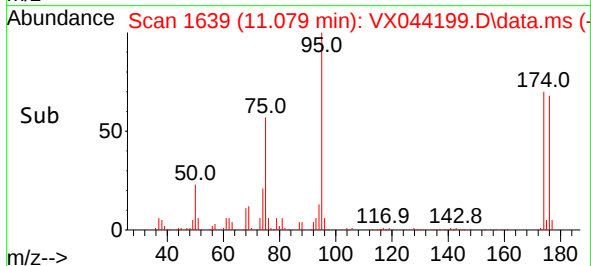
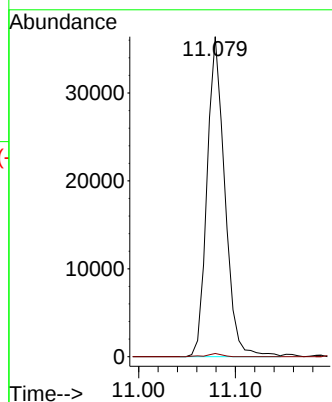
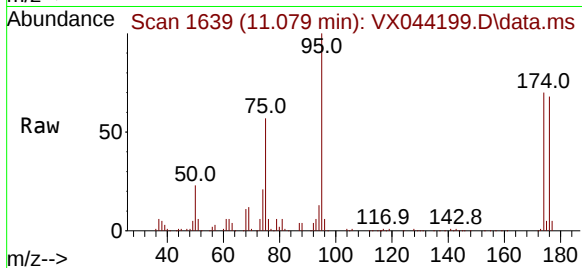
ClientSampleId :

Tgt Ion: 75 Resp: 46685

Ion Ratio Lower Upper

75 100

77 0.9 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.273 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX044199.D

Acq: 10 Dec 2024 11:35

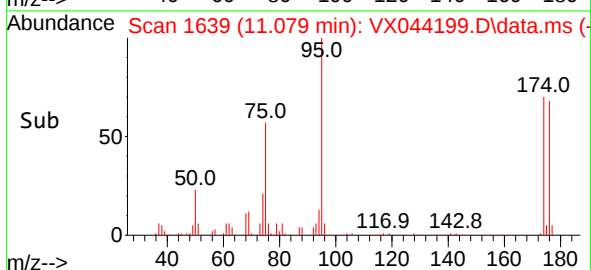
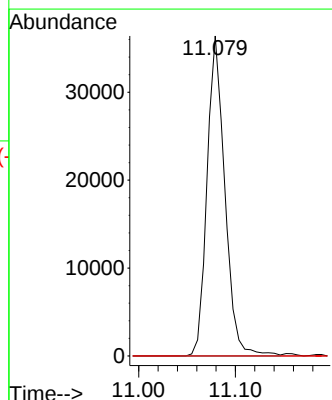
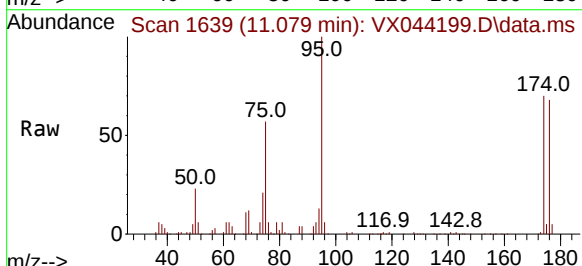
Tgt Ion: 75 Resp: 46685

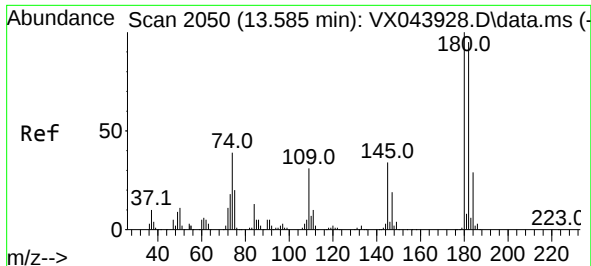
Ion Ratio Lower Upper

75 100

53 0.0 86.7 130.1#

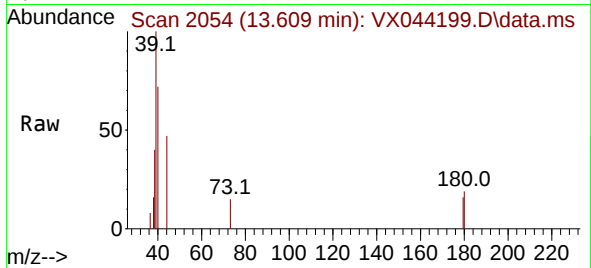
89 0.0 38.2 57.2#



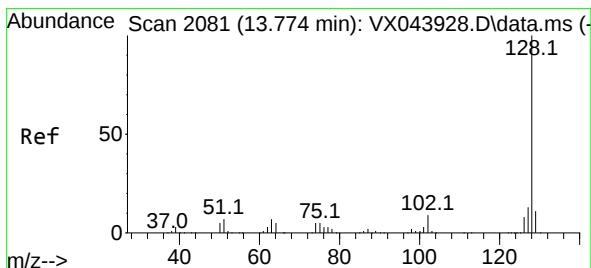
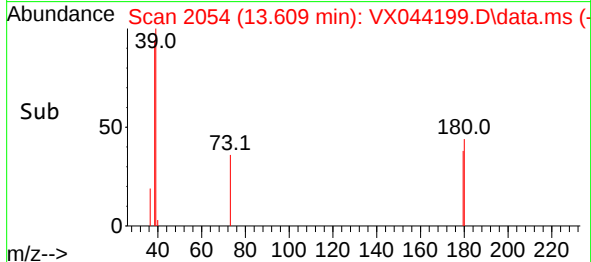
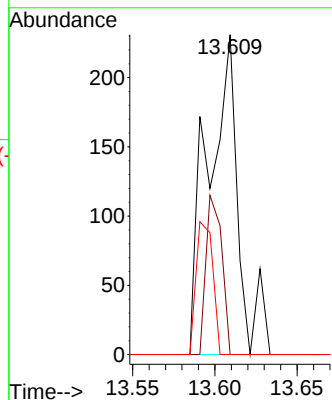


#93  
1,2,4-Trichlorobenzene  
Concen: 0.208 ug/l  
RT: 13.609 min Scan# 2054  
Delta R.T. 0.024 min  
Lab File: VX044199.D  
Acq: 10 Dec 2024 11:35

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion:180 Resp: 296  
Ion Ratio Lower Upper  
180 100  
182 25.7 48.0 144.2#  
145 22.6 16.8 50.4



#95  
Naphthalene  
Concen: 0.266 ug/l  
RT: 13.792 min Scan# 2084  
Delta R.T. 0.018 min  
Lab File: VX044199.D  
Acq: 10 Dec 2024 11:35

Tgt Ion:128 Resp: 1360  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.2 15.2#  
129 4.0 8.6 12.8#

