

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021724\  
 Data File : VX040293.D  
 Acq On : 17 Feb 2024 11:41  
 Operator : JC/MD  
 Sample : VX0217WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0217WBL02

Quant Time: Feb 19 03:54:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 12 00:21:14 2024  
 Response via : Initial Calibration

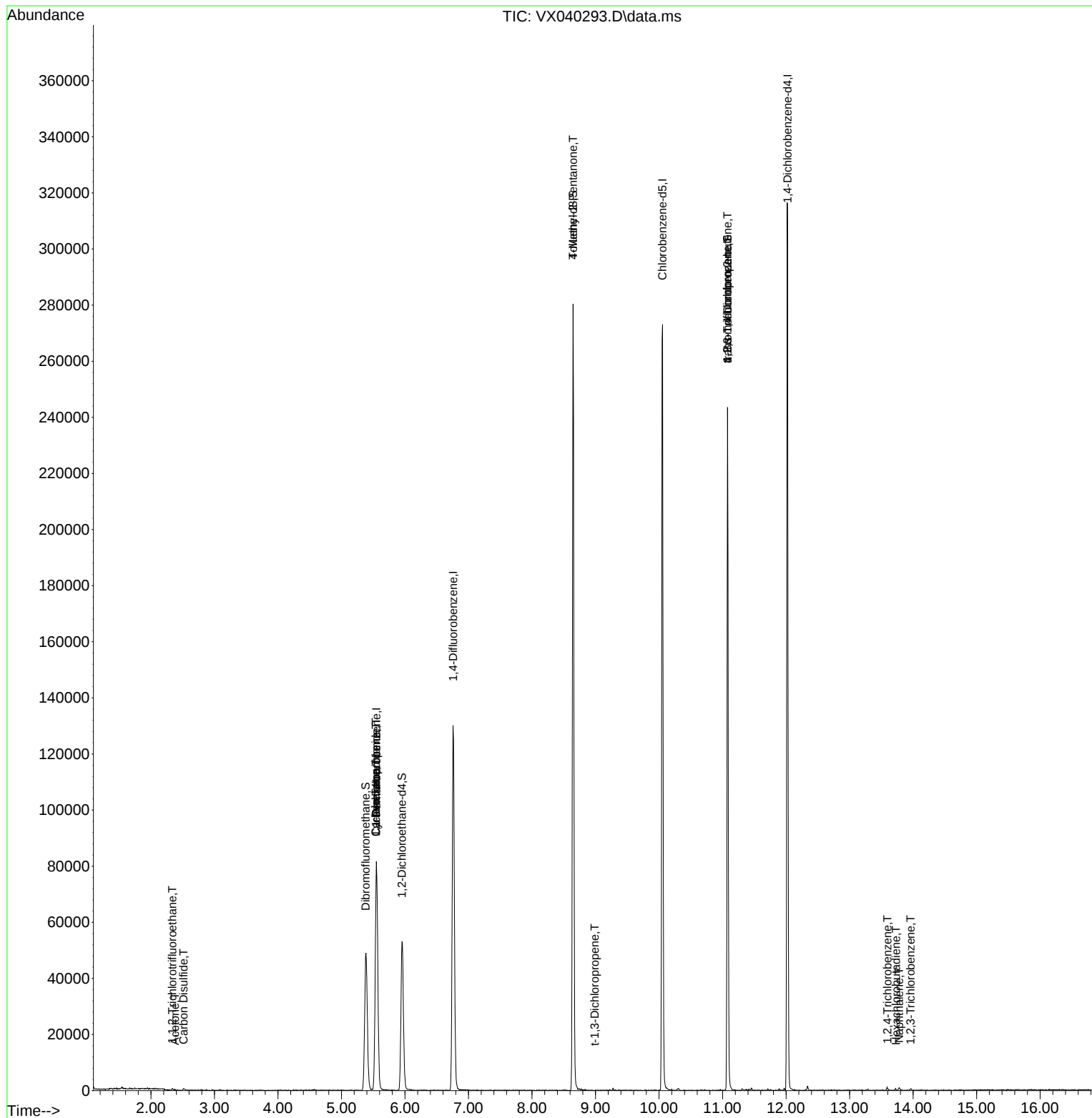
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 76669    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 131324   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 128783   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 65028    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 52993    | 46.460    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 92.920%  |
| 35) Dibromofluoromethane      | 5.379  | 113   | 42243    | 46.062    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 92.120%  |
| 50) Toluene-d8                | 8.647  | 98    | 161627   | 47.114    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 94.220%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 61939    | 44.270    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 88.540%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo...  | 2.337  | 101   | 170      | 0.209     | ug/l # | 41       |
| 16) Acetone                   | 2.380  | 43    | 181      | 0.386     | ug/l # | 47       |
| 17) Carbon Disulfide          | 2.514  | 76    | 582      | 0.282     | ug/l # | 76       |
| 20) Methylene Chloride        | 2.788  | 84    | 127      | Below Cal | #      | 53       |
| 31) Cyclohexane               | 5.544  | 56    | 1819     | 1.337     | ug/l # | 16       |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 5999     | 4.670     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 7643     | 6.257     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 680      | 0.446     | ug/l # | 1        |
| 53) t-1,3-Dichloropropene     | 8.988  | 75    | 20       | 1.971     | ug/l # | 43       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 32981    | 25.046    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 32981    | 68.887    | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 13.597 | 180   | 383      | 0.270     | ug/l   | 70       |
| 94) Hexachlorobutadiene       | 13.731 | 225   | 188      | 0.332     | ug/l   | 82       |
| 95) Naphthalene               | 13.780 | 128   | 1020     | 0.227     | ug/l # | 80       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 323      | 0.239     | ug/l # | 78       |
| -----                         |        |       |          |           |        |          |

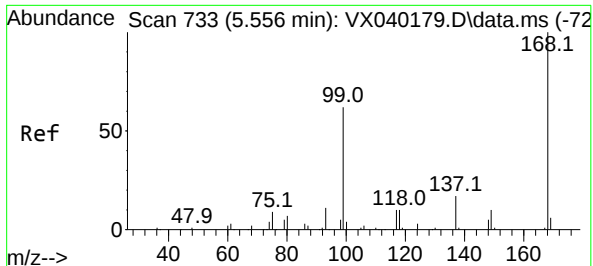
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021724\  
Data File : VX040293.D  
Acq On : 17 Feb 2024 11:41  
Operator : JC/MD  
Sample : VX0217WBL02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0217WBL02

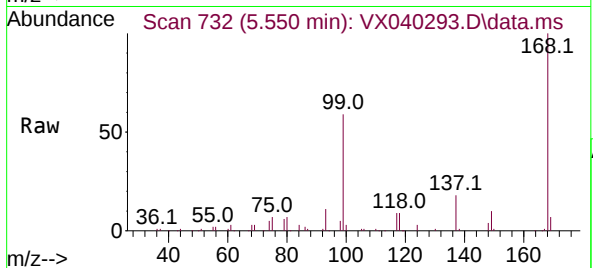
Quant Time: Feb 19 03:54:06 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 12 00:21:14 2024  
Response via : Initial Calibration



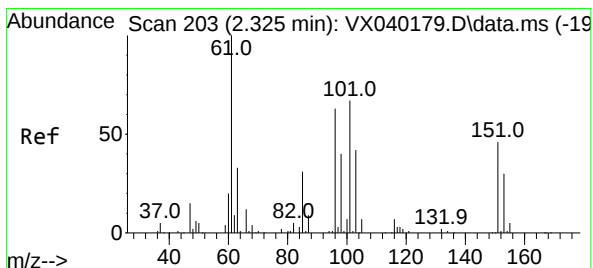
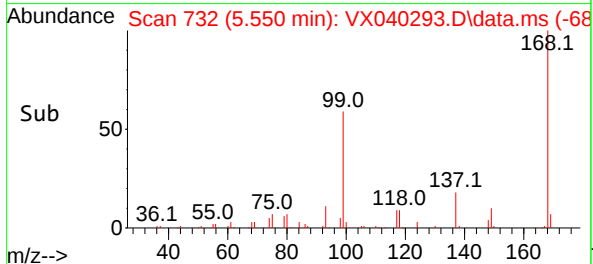
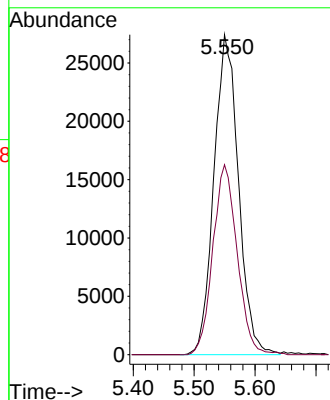


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0217WBL02

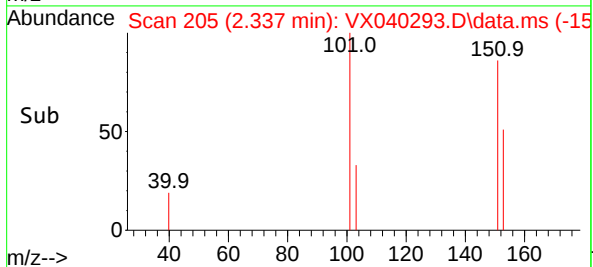
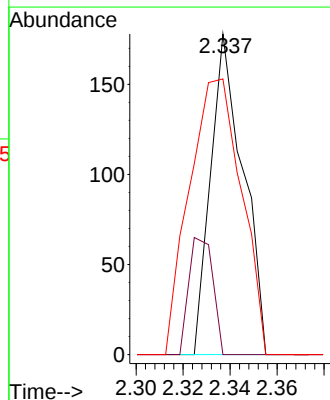
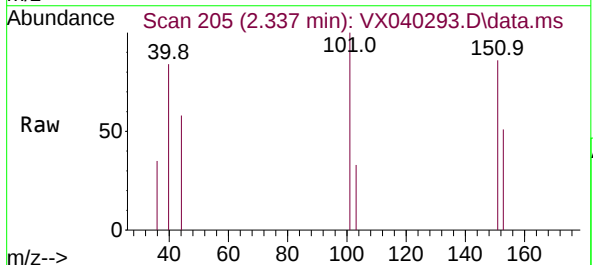


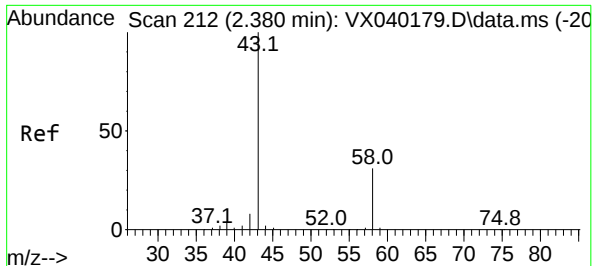
Tgt Ion:168 Resp: 76669  
Ion Ratio Lower Upper  
168 100  
99 59.3 56.6 85.0



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.209 ug/l  
RT: 2.337 min Scan# 205  
Delta R.T. 0.012 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

Tgt Ion:101 Resp: 170  
Ion Ratio Lower Upper  
101 100  
85 27.1 37.0 55.6#  
151 138.8 58.6 87.8#

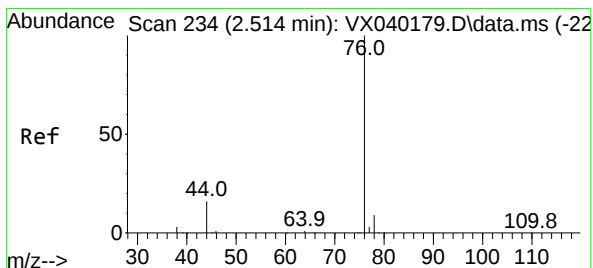
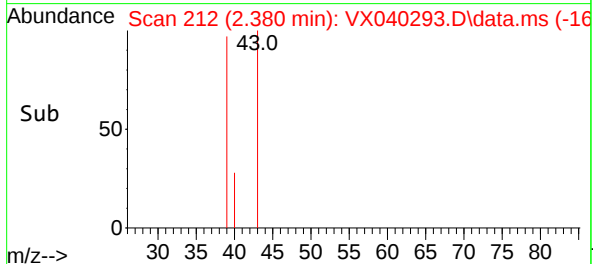
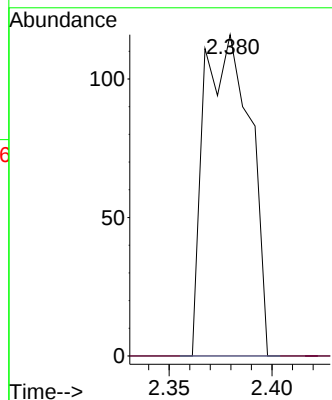
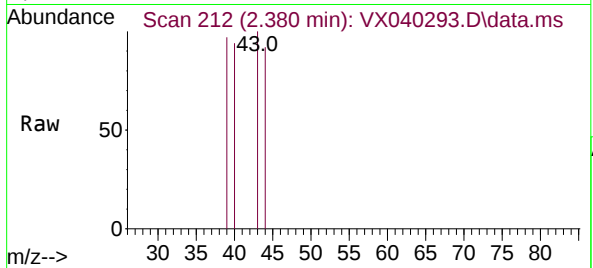




#16  
Acetone  
Concen: 0.386 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

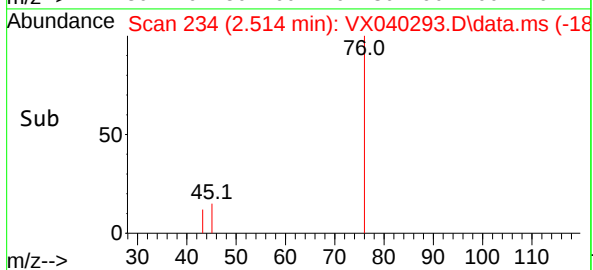
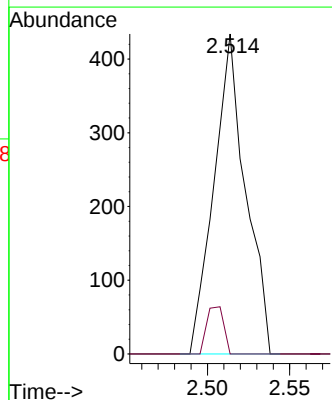
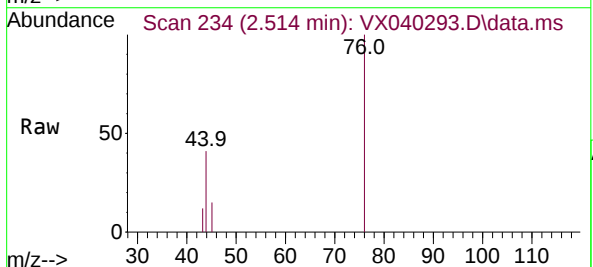
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0217WBL02

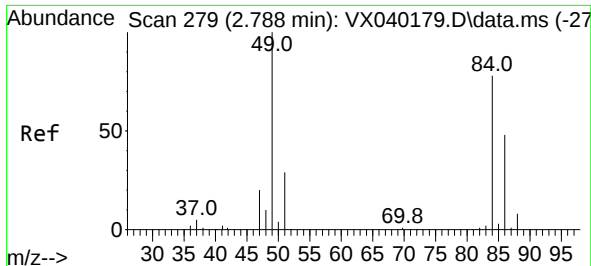
Tgt Ion: 43 Resp: 181  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.9 32.9#



#17  
Carbon Disulfide  
Concen: 0.282 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. 0.006 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

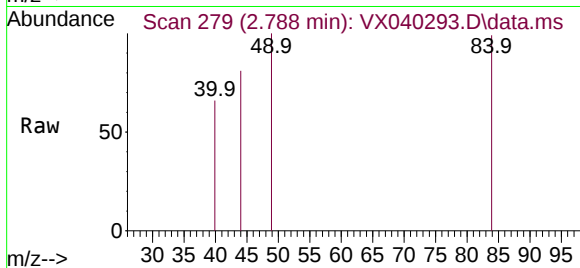
Tgt Ion: 76 Resp: 582  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.6#



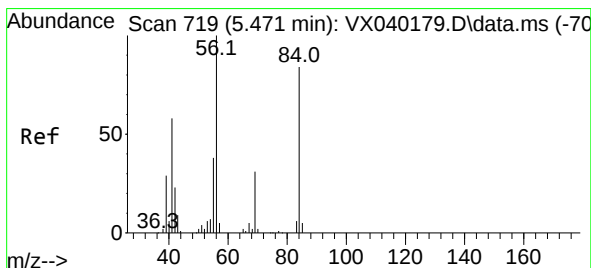
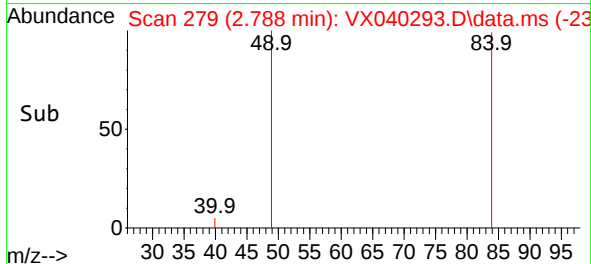
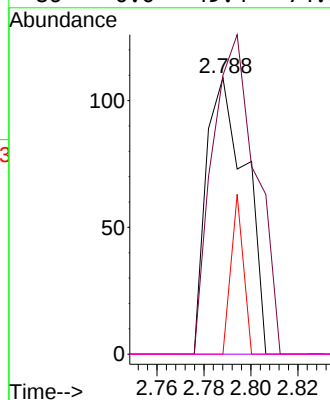


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0217WBL02

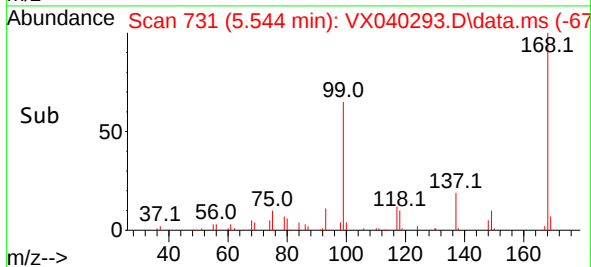
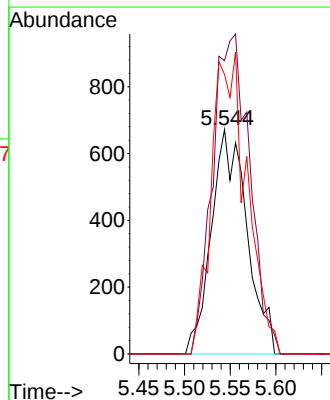
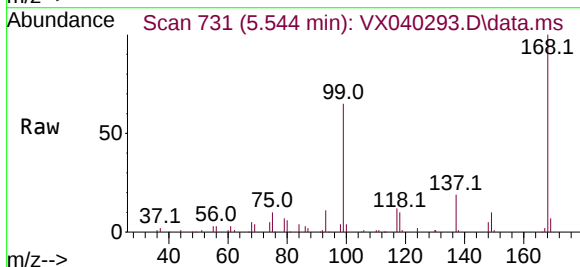


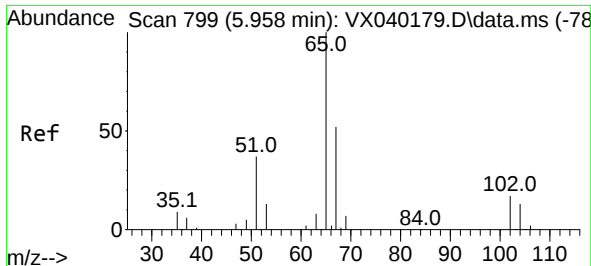
|             |              |
|-------------|--------------|
| Tgt Ion: 84 | Resp: 127    |
| Ion Ratio   | Lower Upper  |
| 84 100      |              |
| 49 100.9    | 103.6 155.4# |
| 51 0.0      | 33.8 50.6#   |
| 86 0.0      | 49.4 74.0#   |



#31  
Cyclohexane  
Concen: 1.337 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.073 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 1819  |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 130.7    | 23.4 35.2#  |
| 84 124.6    | 65.9 98.9#  |





#33

1,2-Dichloroethane-d4

Concen: 46.460 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX040293.D

Acq: 17 Feb 2024 11:41

Instrument :

MSVOA\_X

ClientSampleId :

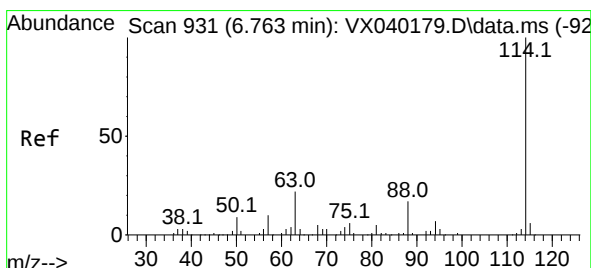
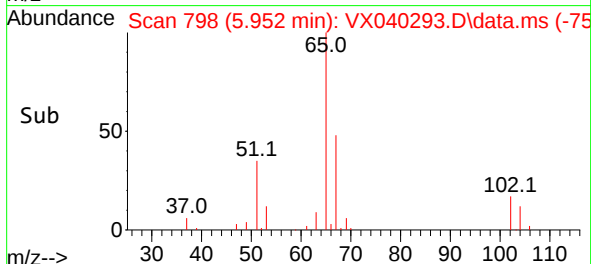
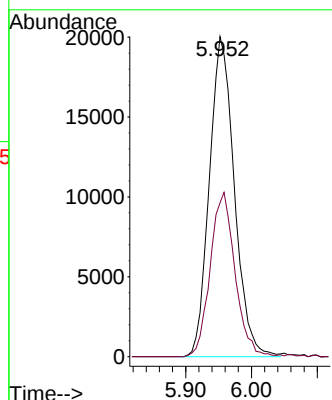
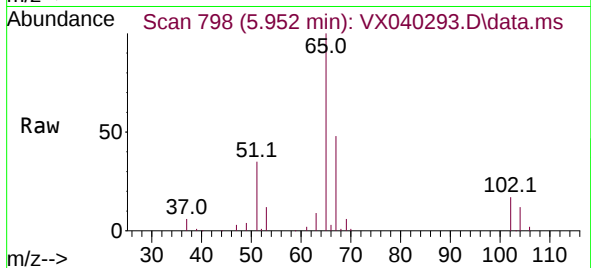
VX0217WBL02

Tgt Ion: 65 Resp: 52993

Ion Ratio Lower Upper

65 100

67 50.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX040293.D

Acq: 17 Feb 2024 11:41

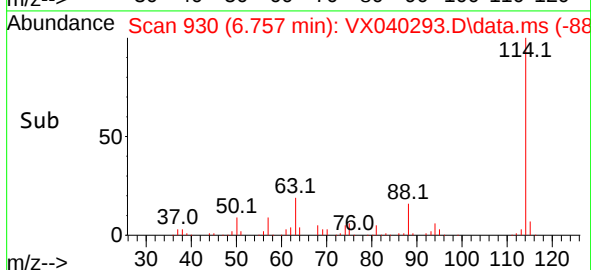
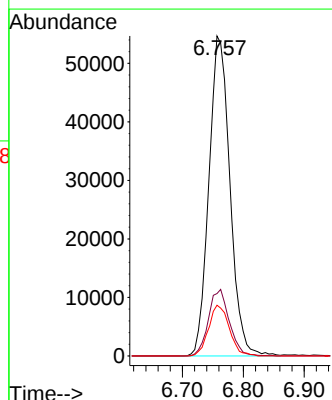
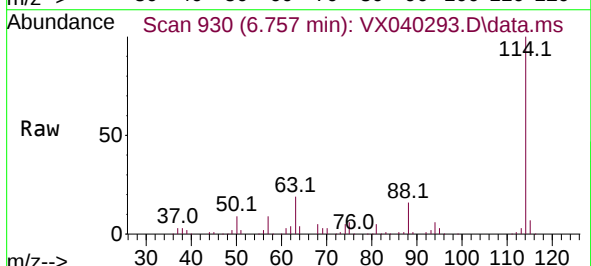
Tgt Ion: 114 Resp: 131324

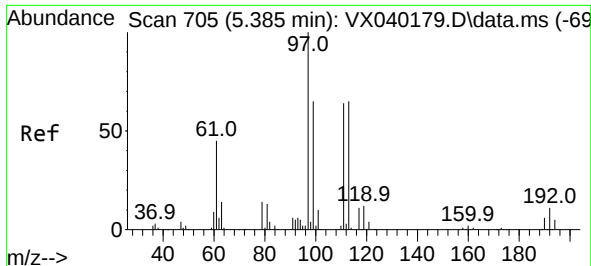
Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.0

88 15.9 0.0 36.6

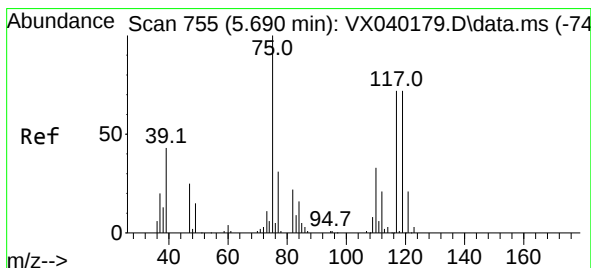
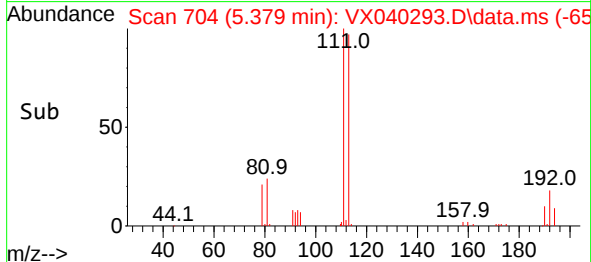
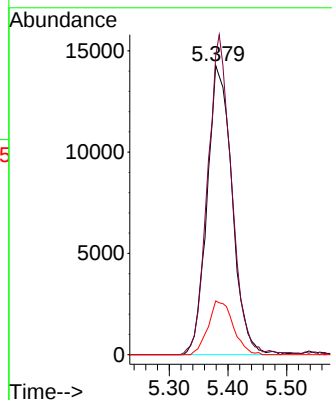
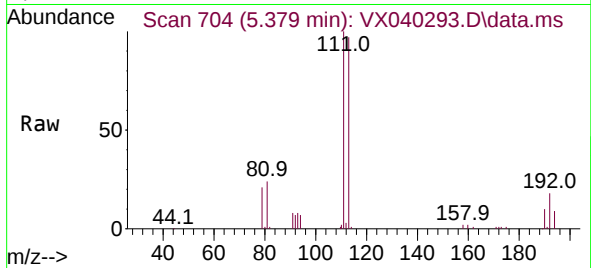




#35  
Dibromofluoromethane  
Concen: 46.062 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

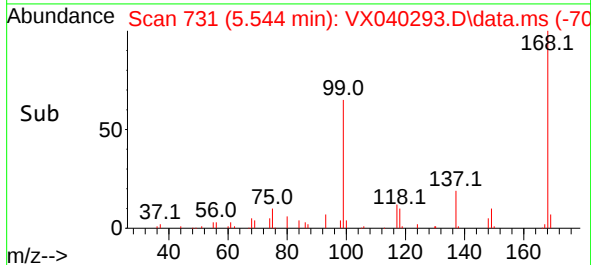
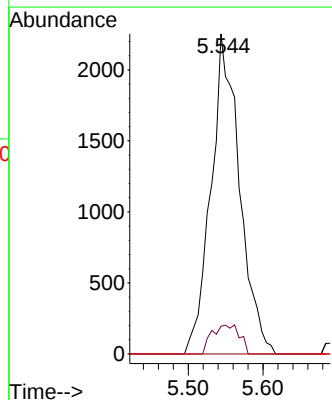
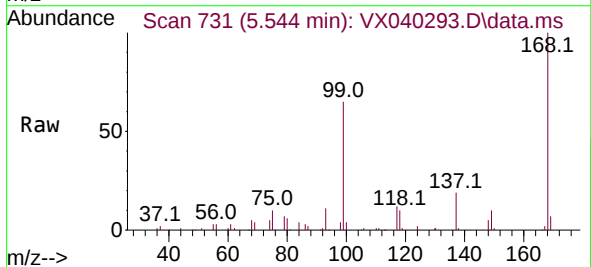
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0217WBL02

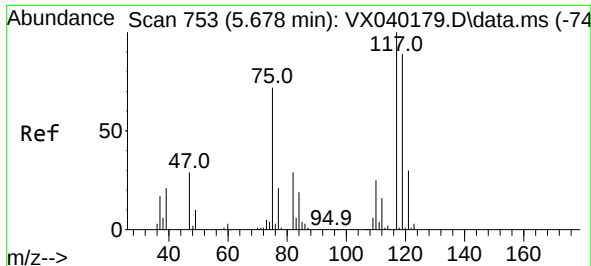
Tgt Ion:113 Resp: 42243  
Ion Ratio Lower Upper  
113 100  
111 104.7 82.9 124.3  
192 18.5 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.670 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.152 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

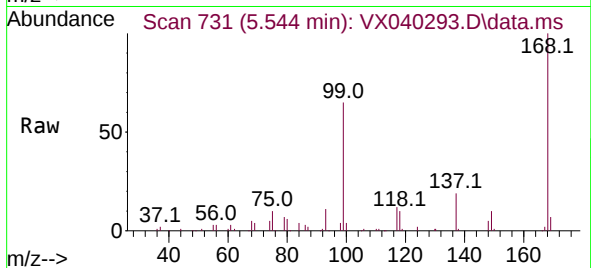
Tgt Ion: 75 Resp: 5999  
Ion Ratio Lower Upper  
75 100  
110 8.7 17.0 50.9#  
77 0.0 24.7 37.1#



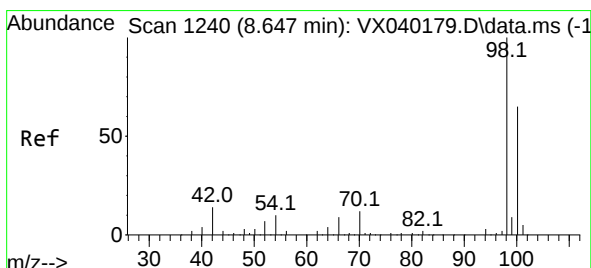
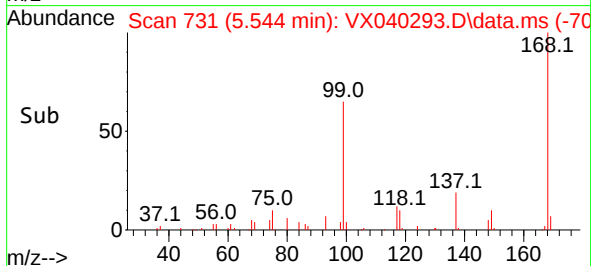
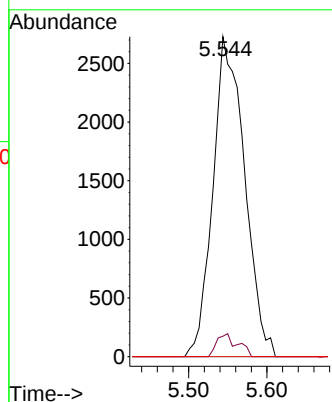


#38  
Carbon Tetrachloride  
Concen: 6.257 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0217WBL02

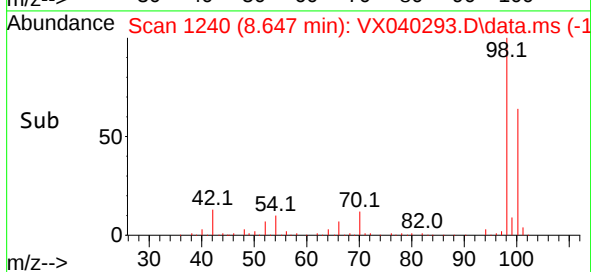
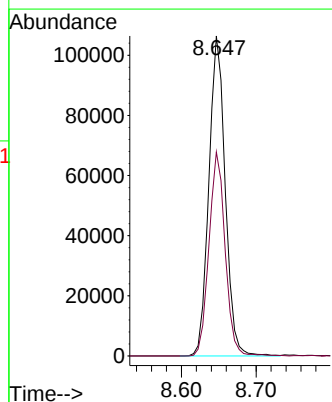
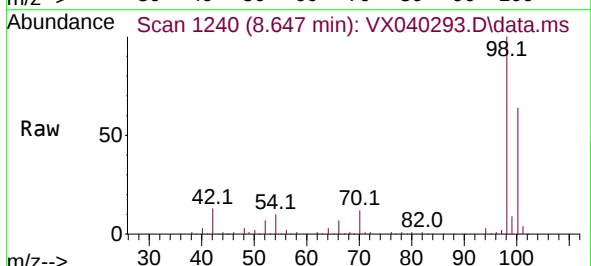


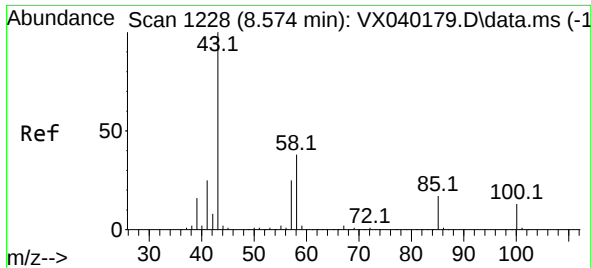
Tgt Ion:117 Resp: 7643  
Ion Ratio Lower Upper  
117 100  
119 6.4 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 47.114 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

Tgt Ion: 98 Resp: 161627  
Ion Ratio Lower Upper  
98 100  
100 62.9 53.1 79.7

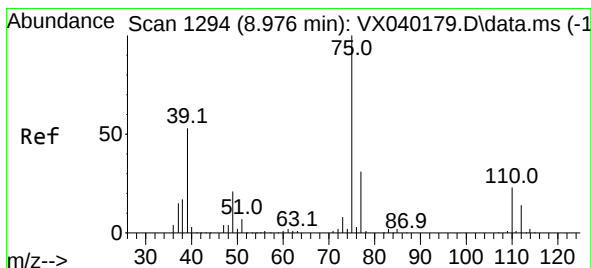
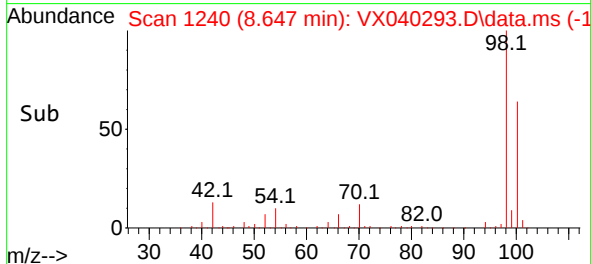
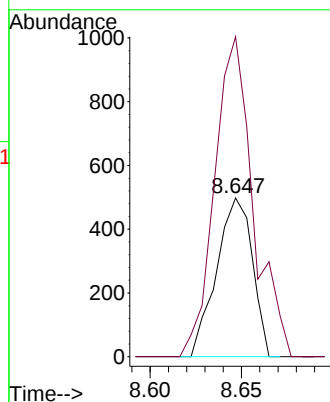
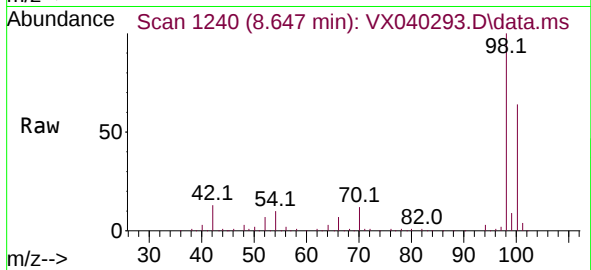




#51  
4-Methyl-2-Pentanone  
Concen: 0.446 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

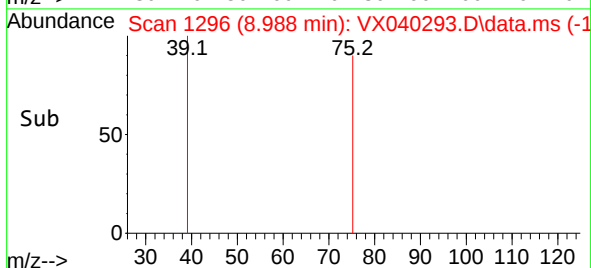
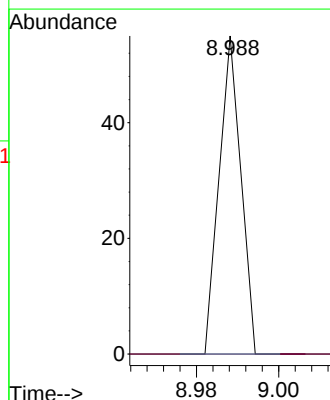
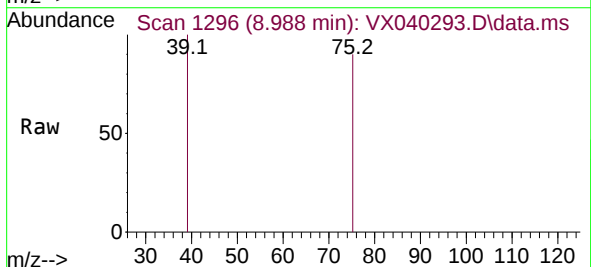
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0217WBL02

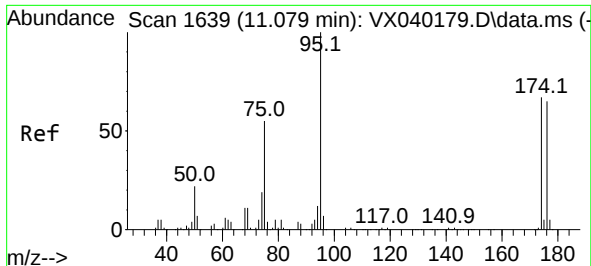
Tgt Ion: 43 Resp: 680  
Ion Ratio Lower Upper  
43 100  
58 216.3 30.4 45.6#



#53  
t-1,3-Dichloropropene  
Concen: 1.971 ug/l  
RT: 8.988 min Scan# 1296  
Delta R.T. 0.012 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

Tgt Ion: 75 Resp: 20  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.7 38.5#

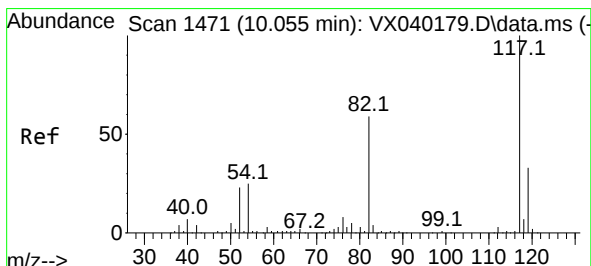
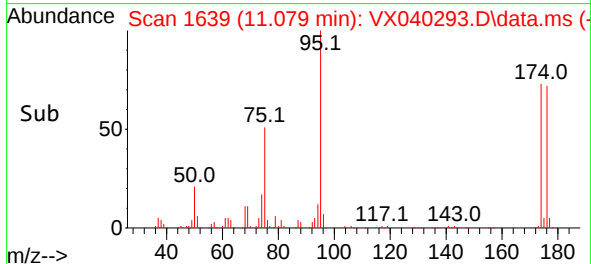
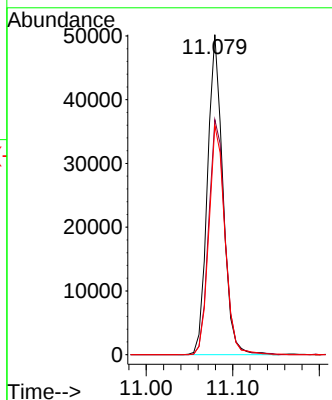
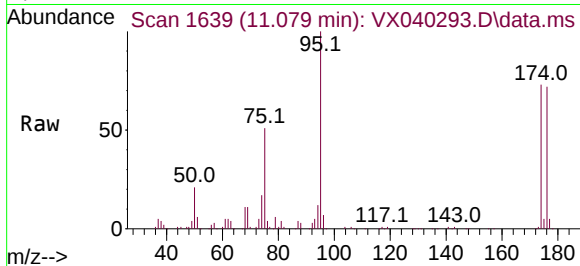




#62  
4-Bromofluorobenzene  
Concen: 44.270 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

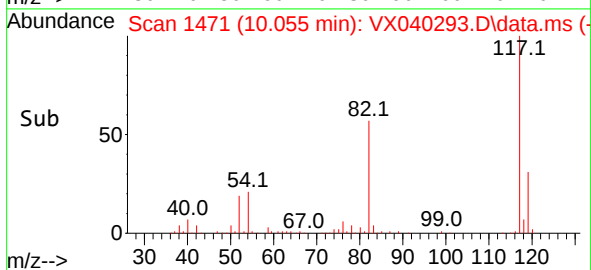
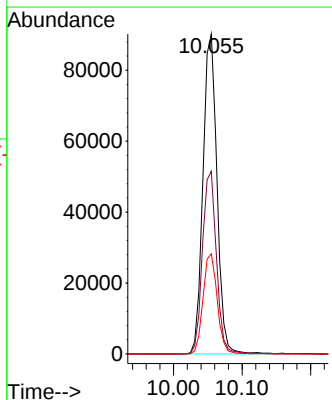
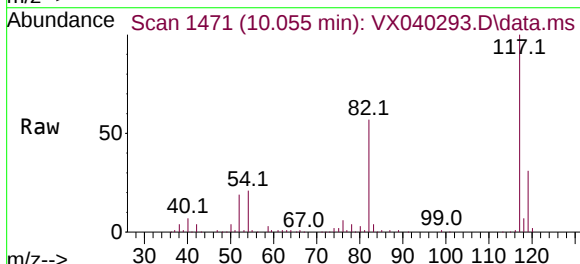
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0217WBL02

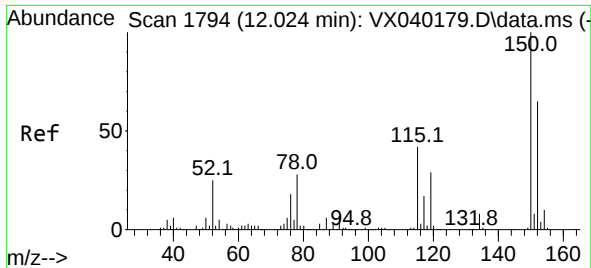
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 61939 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 77.6  | 0.0   | 135.6 |
| 176      | 74.6  | 0.0   | 131.0 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 128783 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 57.1  | 46.2  | 69.4   |
| 119      | 31.3  | 25.5  | 38.3   |

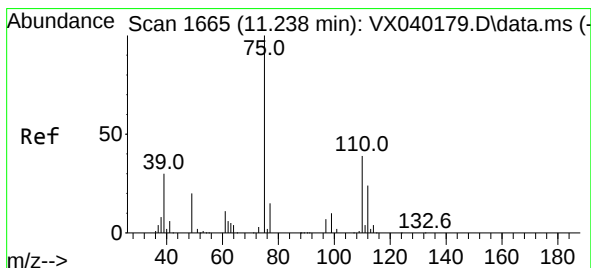
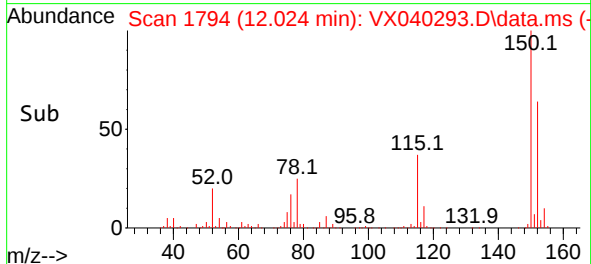
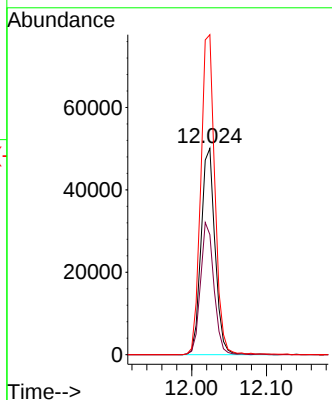
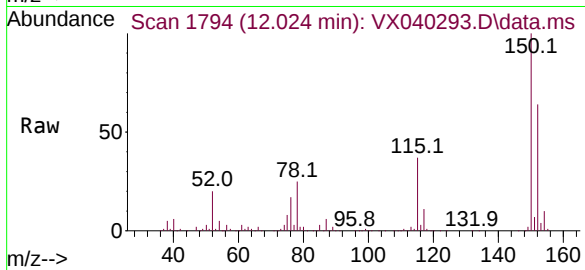




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX040293.D  
 Acq: 17 Feb 2024 11:41

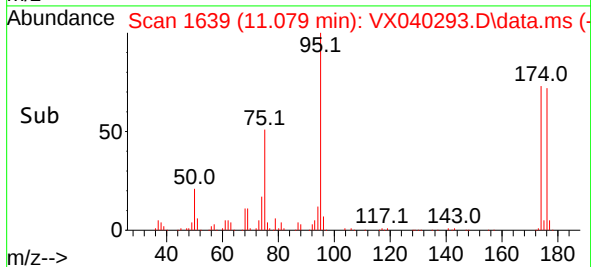
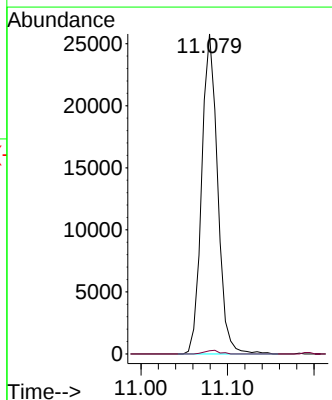
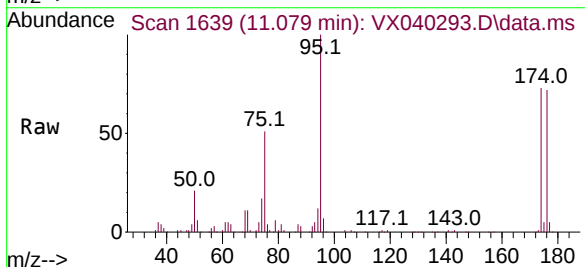
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0217WBL02

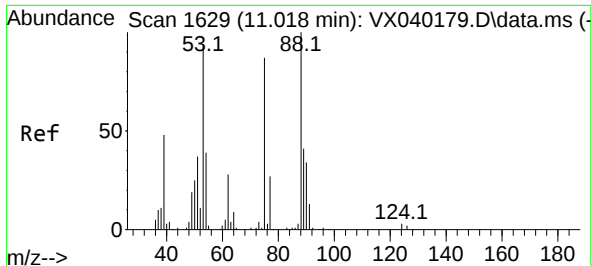
Tgt Ion:152 Resp: 65028  
 Ion Ratio Lower Upper  
 152 100  
 115 61.6 43.3 129.9  
 150 156.5 0.0 345.0



#76  
 1,2,3-Trichloropropane  
 Concen: 25.046 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX040293.D  
 Acq: 17 Feb 2024 11:41

Tgt Ion: 75 Resp: 32981  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 19.1 57.5#

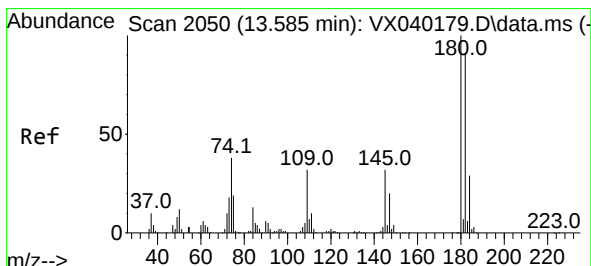
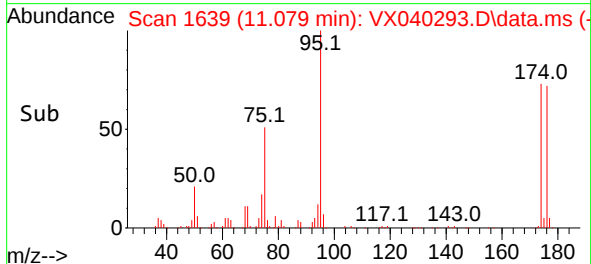
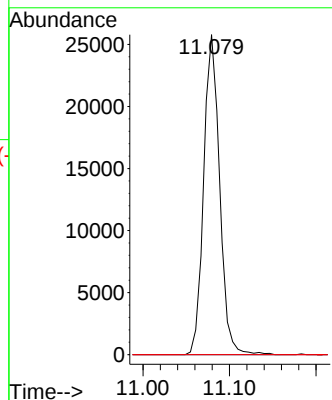
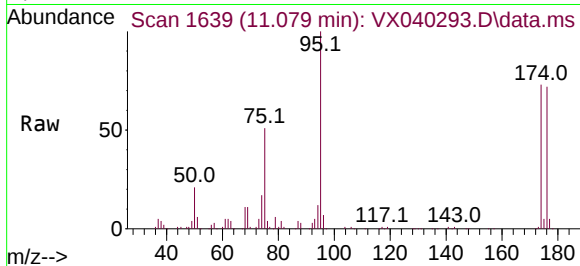




#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.887 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

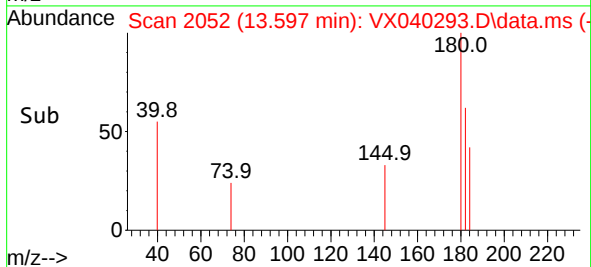
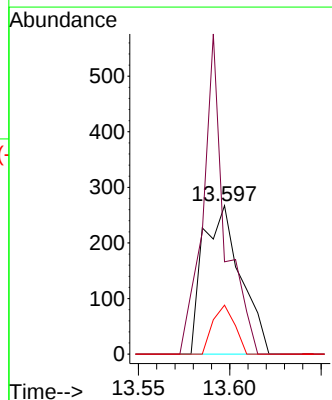
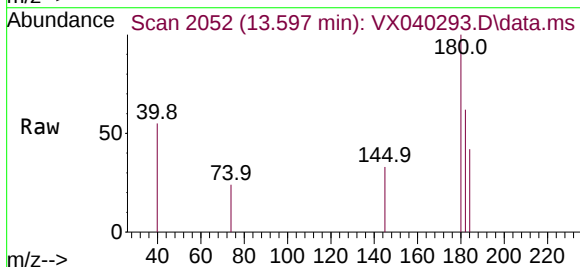
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0217WBL02

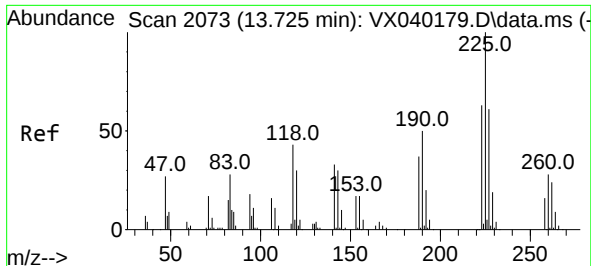
Tgt Ion: 75 Resp: 32981  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.270 ug/l  
RT: 13.597 min Scan# 2052  
Delta R.T. 0.012 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

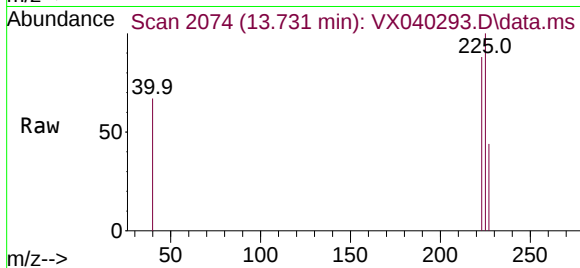
Tgt Ion:180 Resp: 383  
Ion Ratio Lower Upper  
180 100  
182 125.8 48.3 144.8  
145 19.3 18.0 54.0



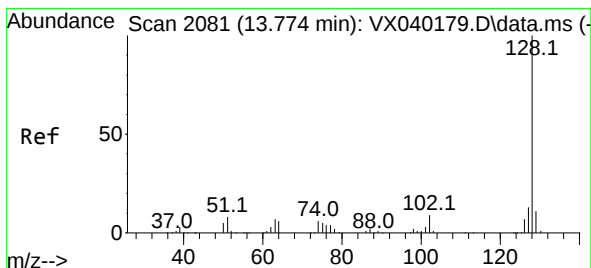
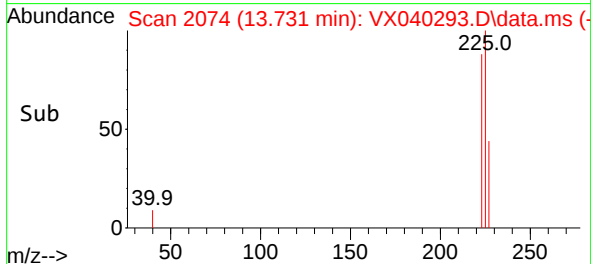
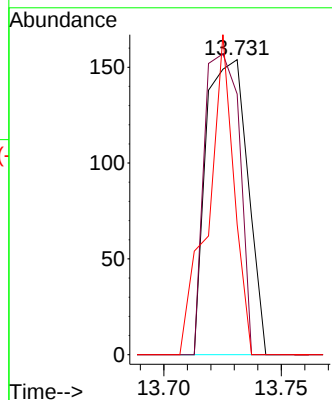


#94  
Hexachlorobutadiene  
Concen: 0.332 ug/l  
RT: 13.731 min Scan# 2074  
Delta R.T. 0.006 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0217WBL02

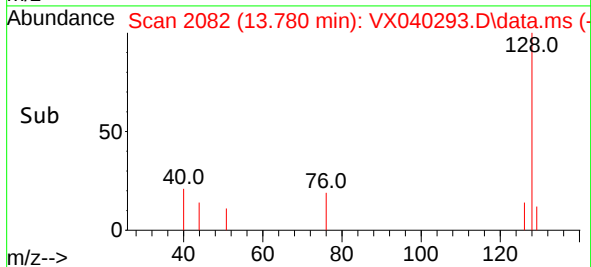
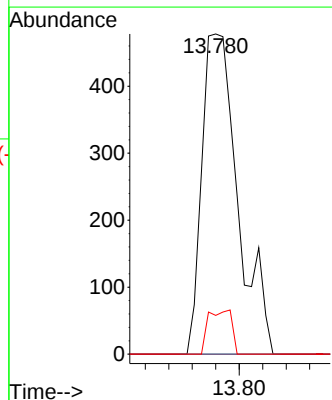
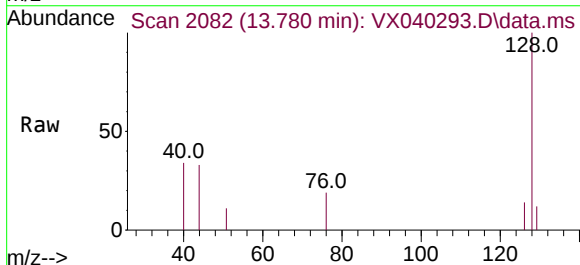


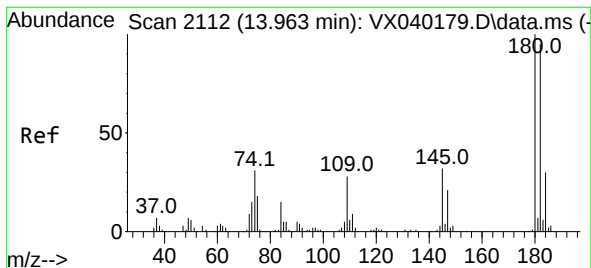
Tgt Ion:225 Resp: 188  
Ion Ratio Lower Upper  
225 100  
223 86.7 31.1 93.2  
227 68.1 32.5 97.5



#95  
Naphthalene  
Concen: 0.227 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX040293.D  
Acq: 17 Feb 2024 11:41

Tgt Ion:128 Resp: 1020  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 8.9 8.8 13.2





#96

1,2,3-Trichlorobenzene

Concen: 0.239 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX040293.D

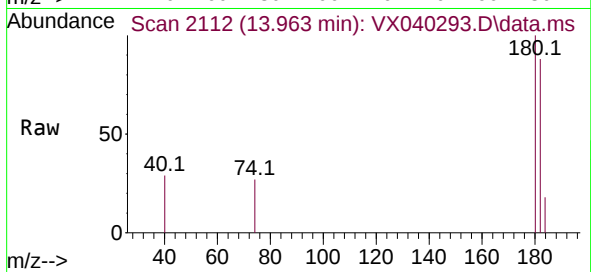
Acq: 17 Feb 2024 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VX0217WBL02



Tgt Ion:180 Resp: 323

Ion Ratio Lower Upper

180 100

182 105.6 46.9 140.6

145 8.0 17.8 53.5#

