

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022725\  
 Data File : VX045063.D  
 Acq On : 27 Feb 2025 15:19  
 Operator : JC/MD  
 Sample : Q1403-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Feb 27 15:48:15 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

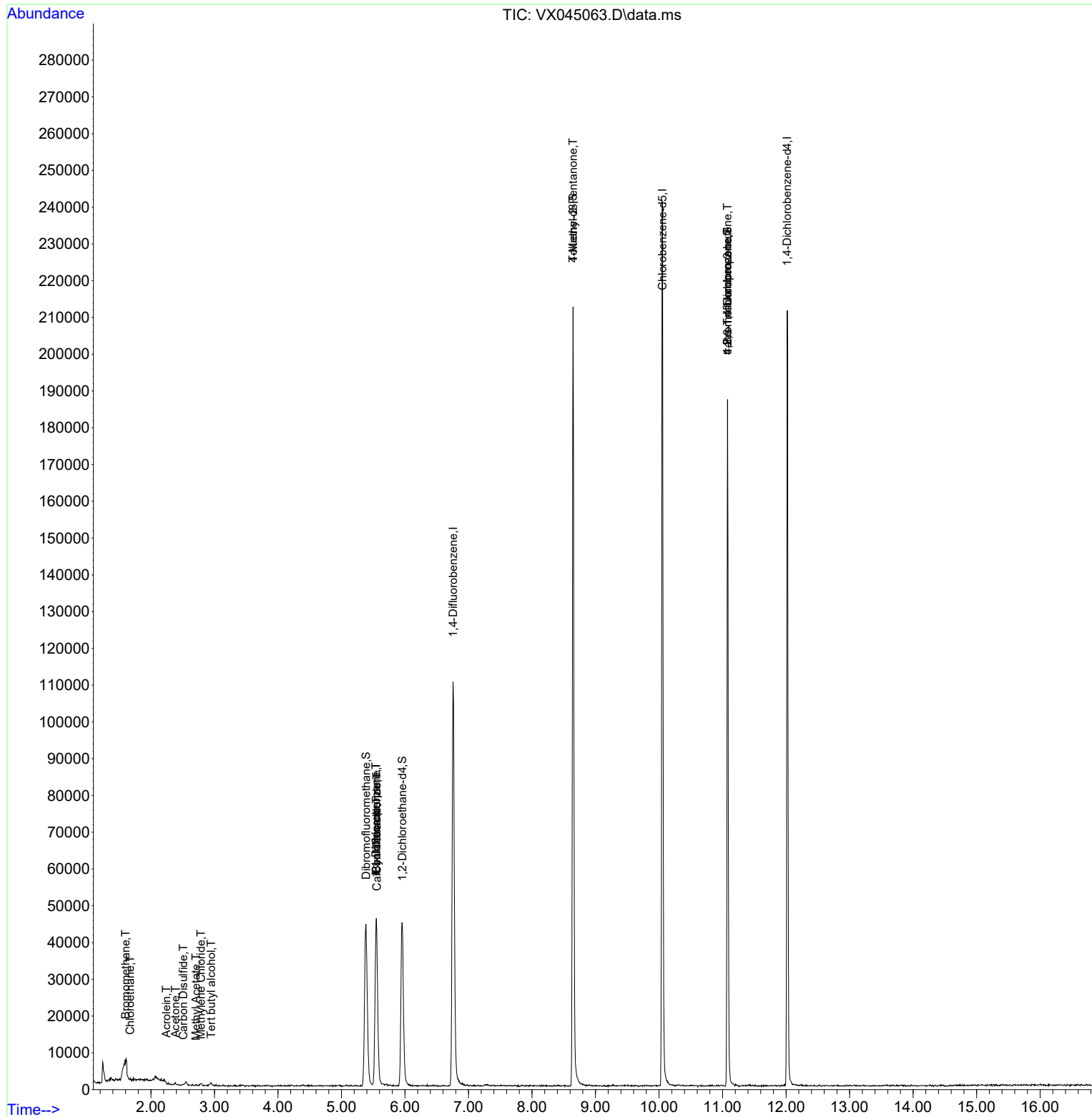
| Compound                      | R.T.           | QIon | Response            | Conc  | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-------|--------|----------|
| -----                         |                |      |                     |       |        |          |
| Internal Standards            |                |      |                     |       |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 42372               | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 113910              | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 112715              | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 43071               | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |                     |       |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 43197               | 69.64 | ug/l   | 0.01     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 139.28%# |       |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 39978               | 53.98 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 107.96%  |       |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 124872              | 44.59 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 89.18%   |       |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 49510               | 52.44 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = 104.88%  |       |        |          |
| Target Compounds              |                |      |                     |       |        |          |
|                               |                |      |                     |       | Qvalue |          |
| 5) Bromomethane               | 1.599          | 94   | 127                 | 0.61  | ug/l # | 5        |
| 6) Chloroethane               | 1.672          | 64   | 162                 | 1.82  | ug/l # | 42       |
| 11) Tert butyl alcohol        | 2.947          | 59   | 483                 | 4.20  | ug/l # | 73       |
| 13) Acrolein                  | 2.239          | 56   | 25                  | 0.21  | ug/l # | 15       |
| 16) Acetone                   | 2.386          | 43   | 564                 | 2.26  | ug/l   | 95       |
| 17) Carbon Disulfide          | 2.508          | 76   | 466                 | 0.31  | ug/l # | 76       |
| 18) Methyl Acetate            | 2.709          | 43   | 224                 | 0.28  | ug/l # | 52       |
| 20) Methylene Chloride        | 2.788          | 84   | 231                 | 0.38  | ug/l # | 73       |
| 31) Cyclohexane               | 5.550          | 56   | 1079                | 1.12  | ug/l # | 11       |
| 36) 1,1-Dichloropropene       | 5.544          | 75   | 3845                | 3.60  | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 4574                | 4.37  | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 643                 | 0.55  | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 26226               | 27.46 | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 26226               | 70.65 | ug/l # | 11       |
| -----                         |                |      |                     |       |        |          |

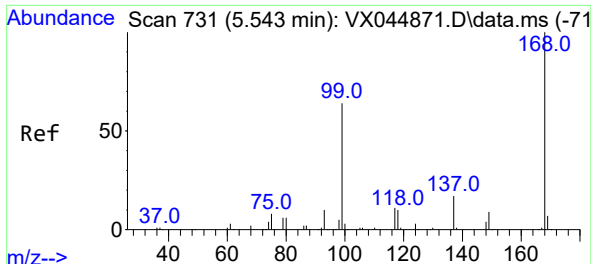
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022725\  
Data File : VX045063.D  
Acq On : 27 Feb 2025 15:19  
Operator : JC/MD  
Sample : Q1403-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Feb 27 15:48:15 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

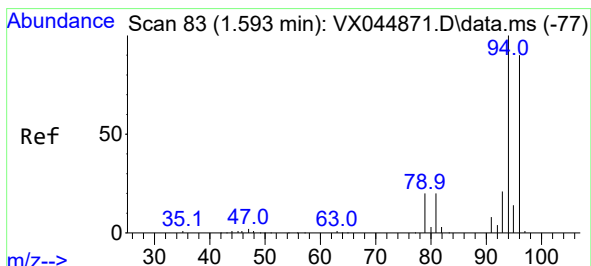
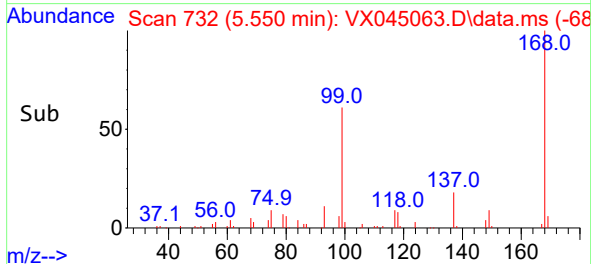
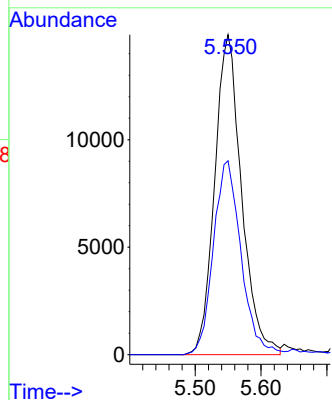
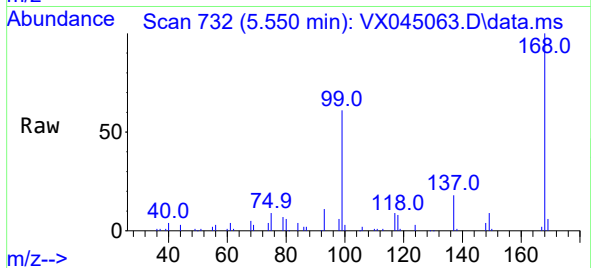




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

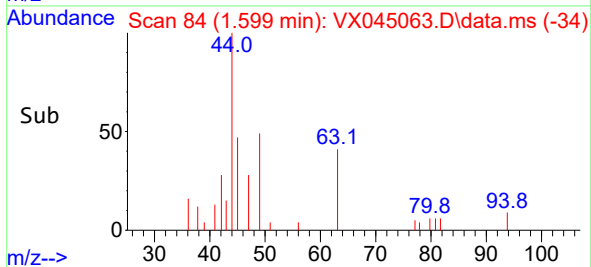
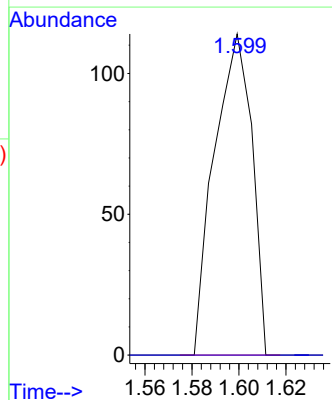
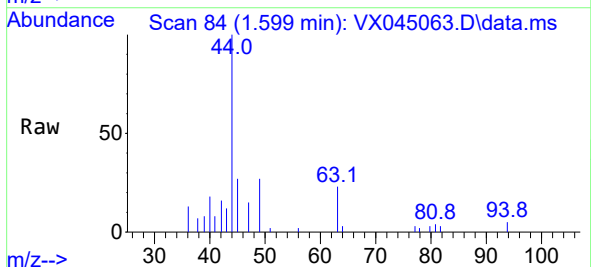
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:168 Resp: 42372  
Ion Ratio Lower Upper  
168 100  
99 60.6 51.2 76.8

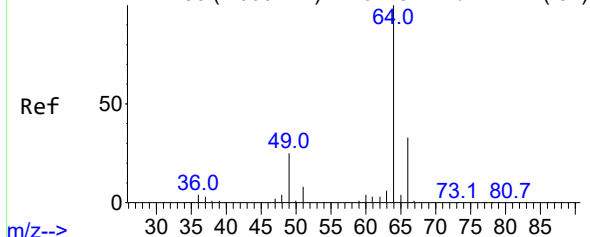


#5  
Bromomethane  
Concen: 0.61 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

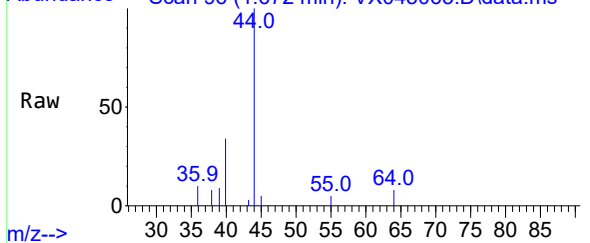
Tgt Ion: 94 Resp: 127  
Ion Ratio Lower Upper  
94 100  
96 0.0 71.6 107.4#



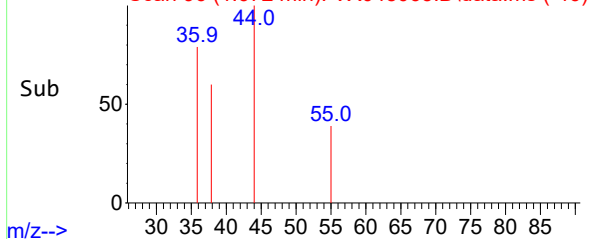
Abundance Scan 95 (1.666 min): VX044871.D\data.ms (-84)



Abundance Scan 96 (1.672 min): VX045063.D\data.ms



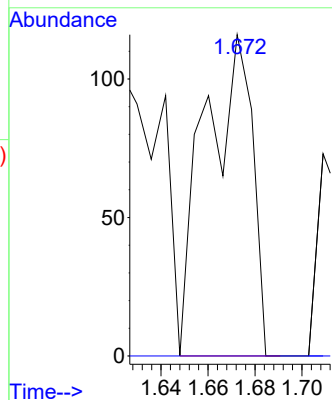
Abundance Scan 96 (1.672 min): VX045063.D\data.ms (-46)



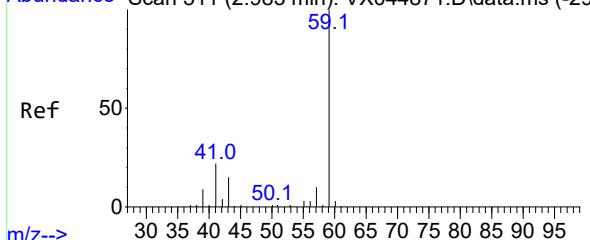
#6  
Chloroethane  
Concen: 1.82 ug/l  
RT: 1.672 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Instrument :  
MSVOA\_X  
ClientSampleId :

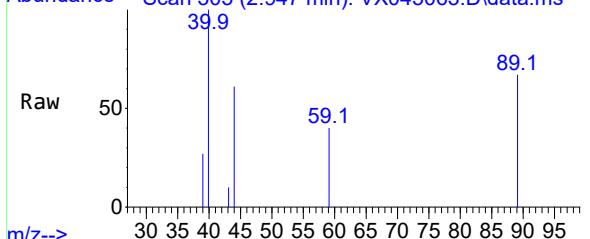
Tgt Ion: 64 Resp: 162  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.9 38.9#



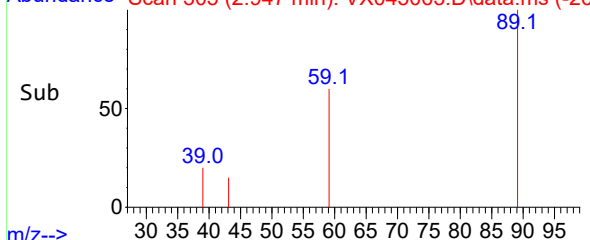
Abundance Scan 311 (2.983 min): VX044871.D\data.ms (-29)



Abundance Scan 305 (2.947 min): VX045063.D\data.ms

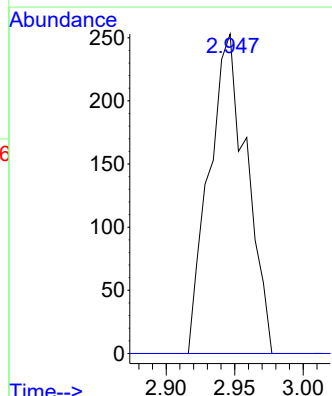


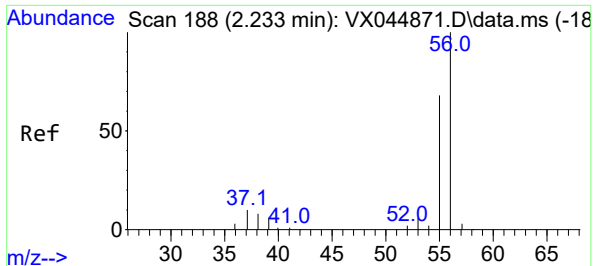
Abundance Scan 305 (2.947 min): VX045063.D\data.ms (-26)



#11  
Tert butyl alcohol  
Concen: 4.20 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.036 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

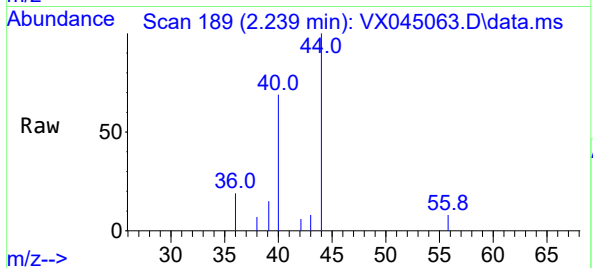
Tgt Ion: 59 Resp: 483  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#



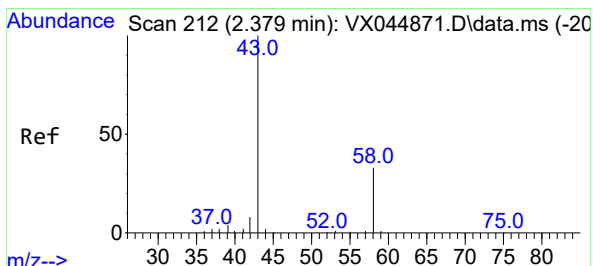
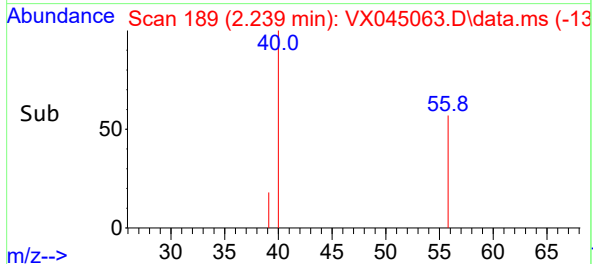
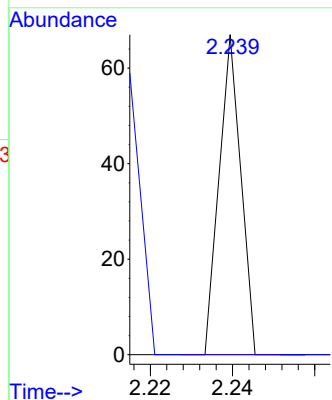


#13  
Acrolein  
Concen: 0.21 ug/l  
RT: 2.239 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Instrument :  
MSVOA\_X  
ClientSampleId :

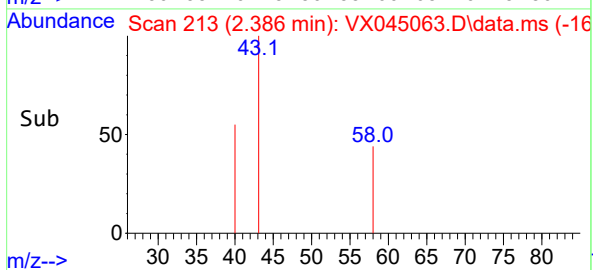
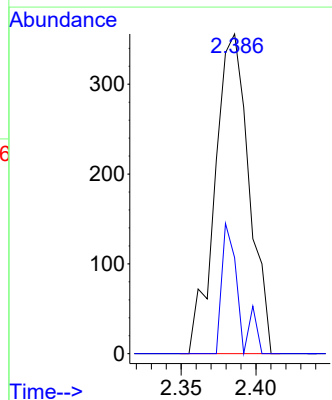
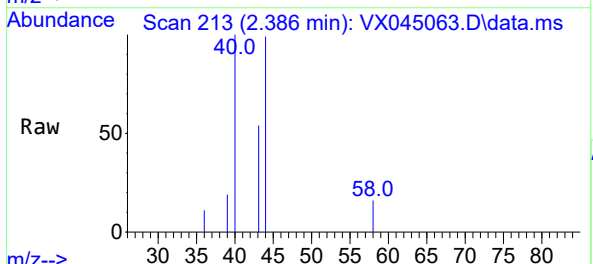


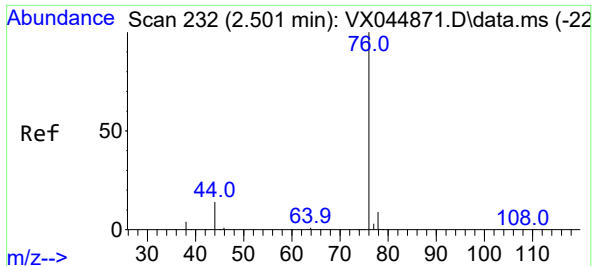
Tgt Ion: 56 Resp: 25  
Ion Ratio Lower Upper  
56 100  
55 0.0 55.7 83.5#



#16  
Acetone  
Concen: 2.26 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Tgt Ion: 43 Resp: 564  
Ion Ratio Lower Upper  
43 100  
58 30.1 26.5 39.7

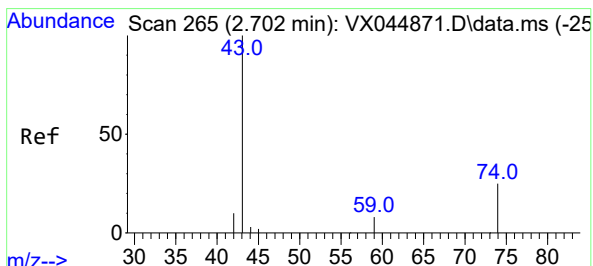
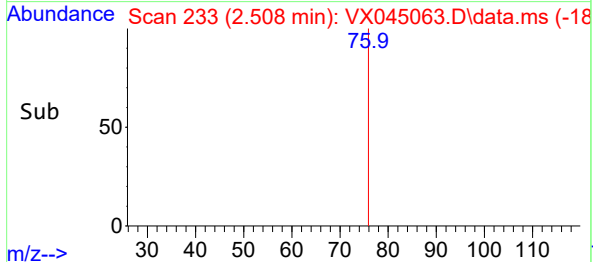
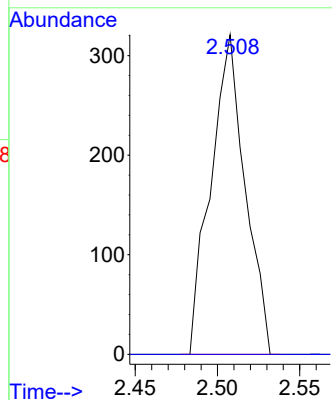
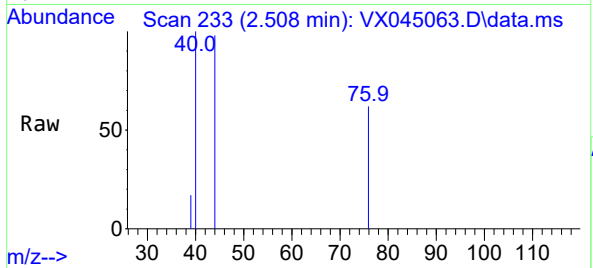




#17  
Carbon Disulfide  
Concen: 0.31 ug/l  
RT: 2.508 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

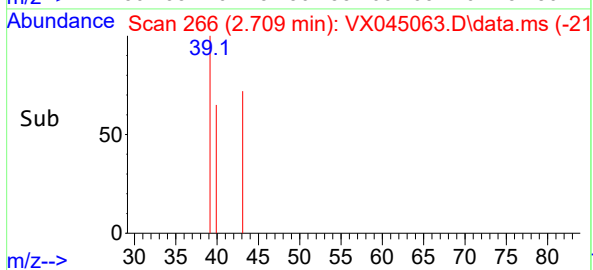
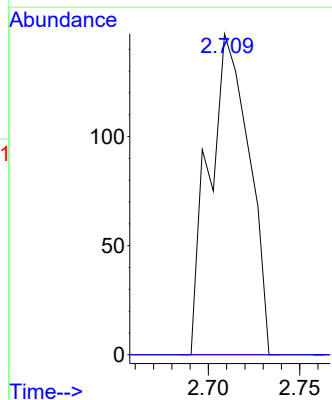
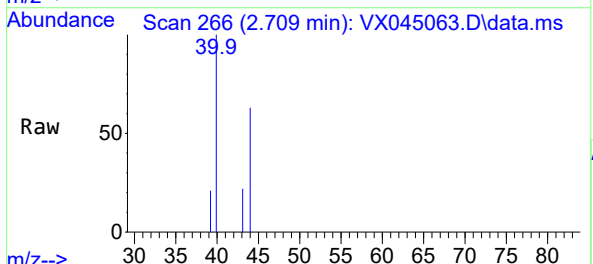
Instrument :  
MSVOA\_X  
ClientSampleId :

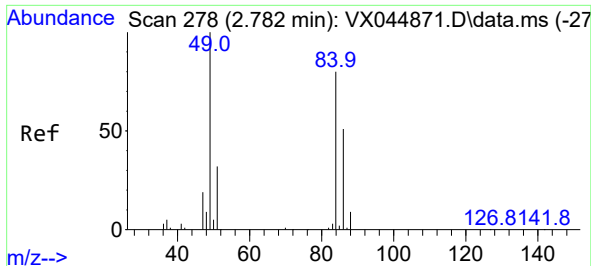
Tgt Ion: 76 Resp: 466  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.4#



#18  
Methyl Acetate  
Concen: 0.28 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

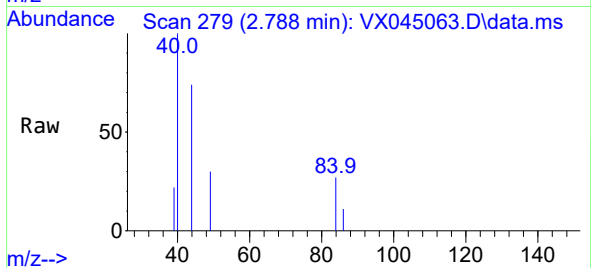
Tgt Ion: 43 Resp: 224  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.9 28.3#





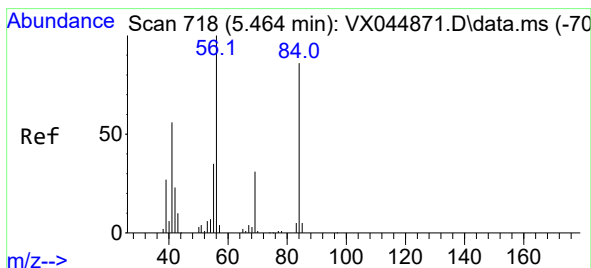
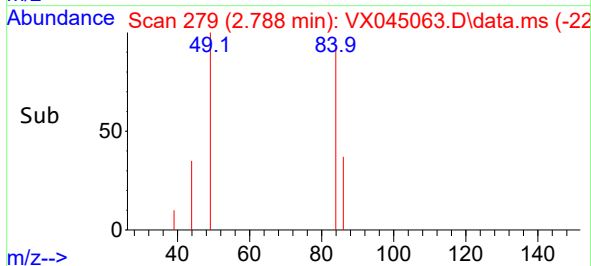
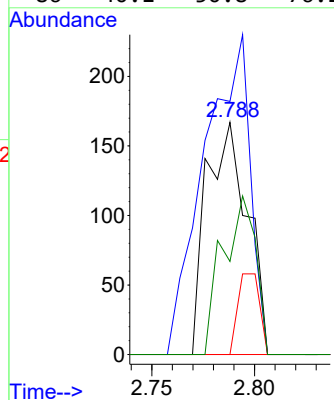
#20  
Methylene Chloride  
Concen: 0.38 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 84 Resp: 231

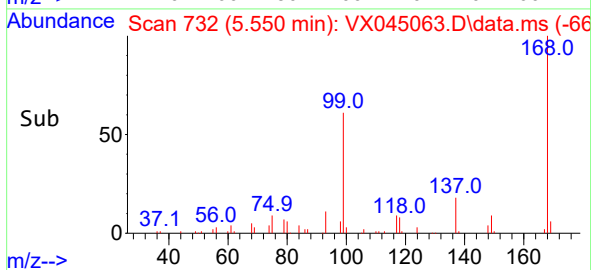
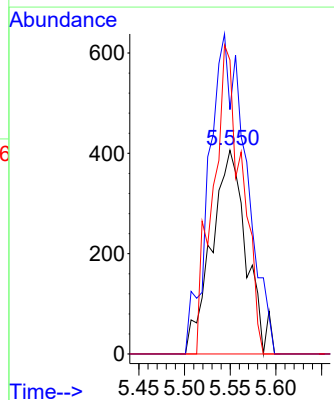
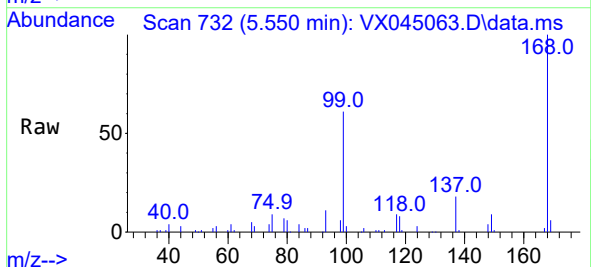
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 109.0 | 100.1 | 150.1 |
| 51  | 0.0   | 31.7  | 47.5# |
| 86  | 40.1  | 50.8  | 76.2# |

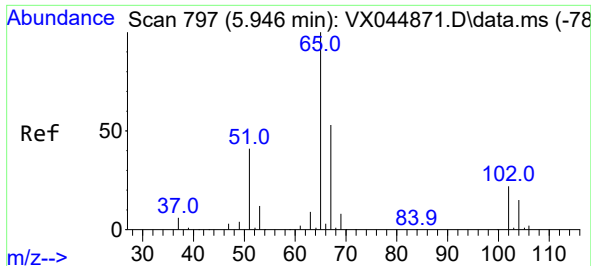


#31  
Cyclohexane  
Concen: 1.12 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.086 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Tgt Ion: 56 Resp: 1079

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 120.0 | 24.4  | 36.6#  |
| 84  | 144.3 | 69.0  | 103.6# |

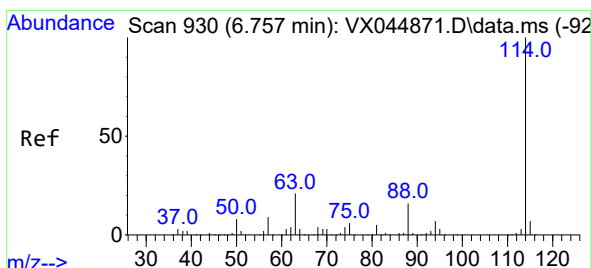
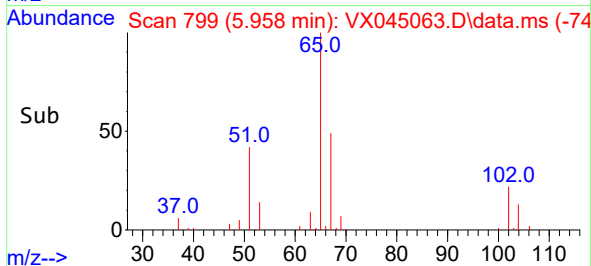
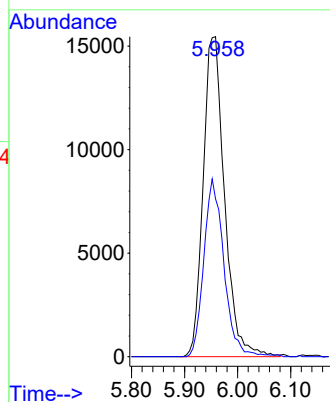
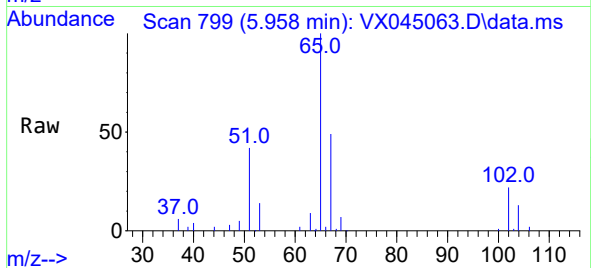




#33  
1,2-Dichloroethane-d4  
Concen: 69.64 ug/l  
RT: 5.958 min Scan# 79  
Delta R.T. 0.013 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

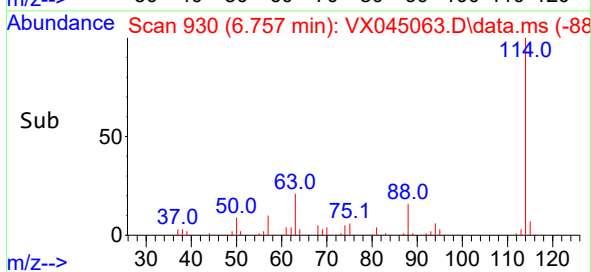
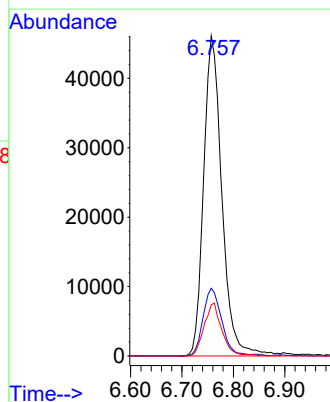
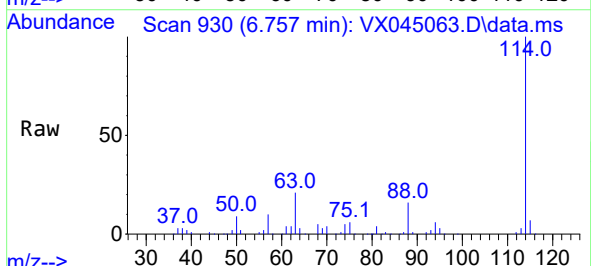
Instrument :  
MSVOA\_X  
ClientSampleId :

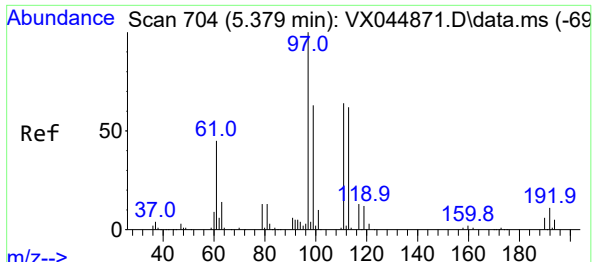
Tgt Ion: 65 Resp: 43197  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 108.2



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. 0.000 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

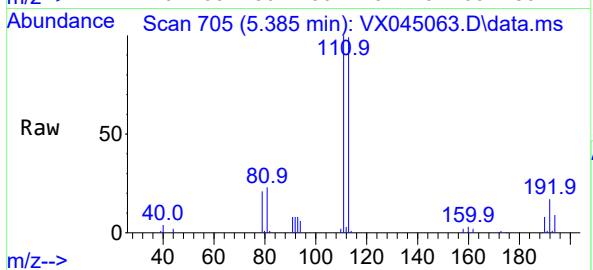
Tgt Ion:114 Resp: 113910  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 42.4  
88 16.0 0.0 31.4



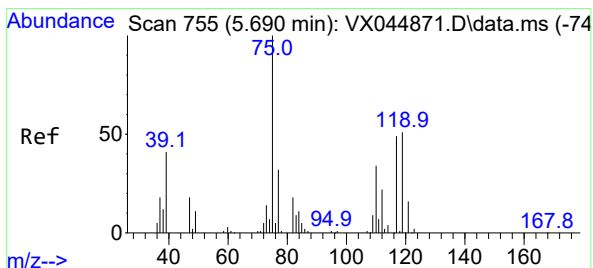
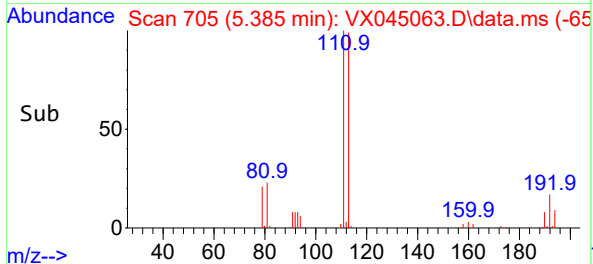
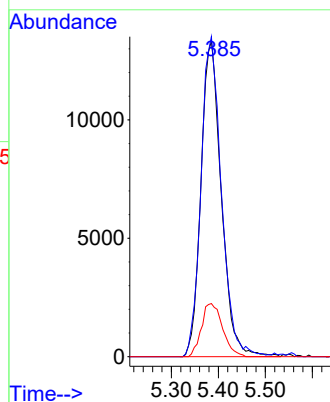


#35  
Dibromofluoromethane  
Concen: 53.98 ug/l  
RT: 5.385 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Instrument :  
MSVOA\_X  
ClientSampleId :

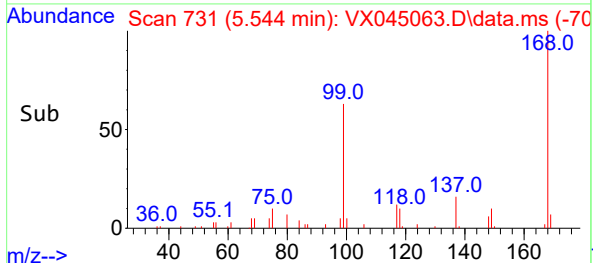
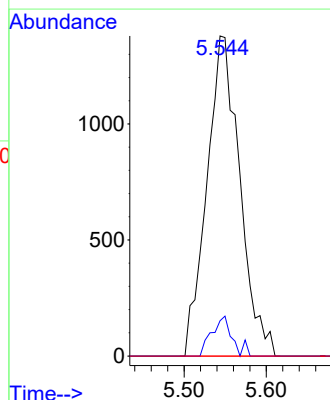
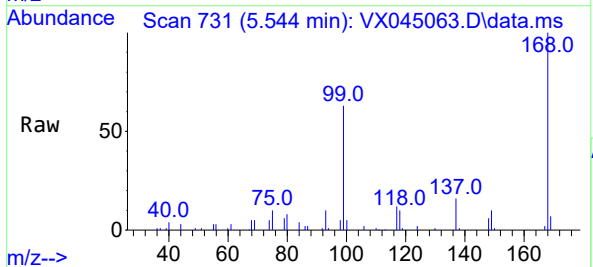


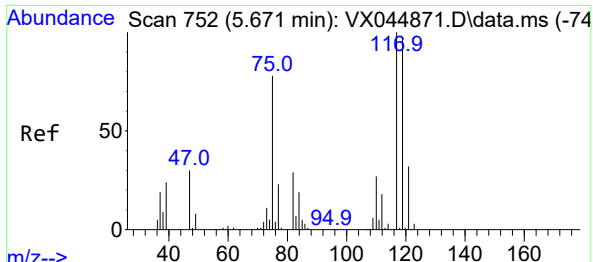
Tgt Ion:113 Resp: 39978  
Ion Ratio Lower Upper  
113 100  
111 101.9 83.5 125.3  
192 17.5 14.4 21.6



#36  
1,1-Dichloropropene  
Concen: 3.60 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.146 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

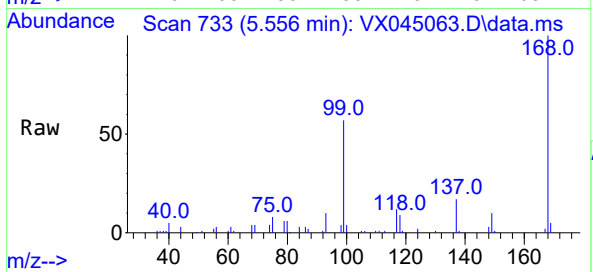
Tgt Ion: 75 Resp: 3845  
Ion Ratio Lower Upper  
75 100  
110 7.7 17.2 51.6#  
77 0.0 24.6 37.0#



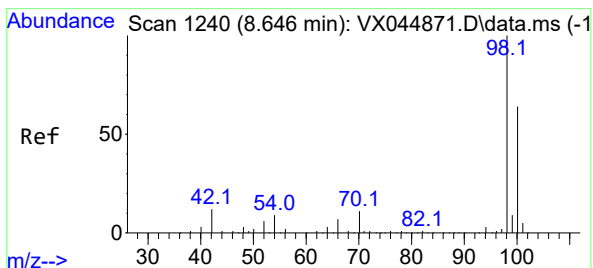
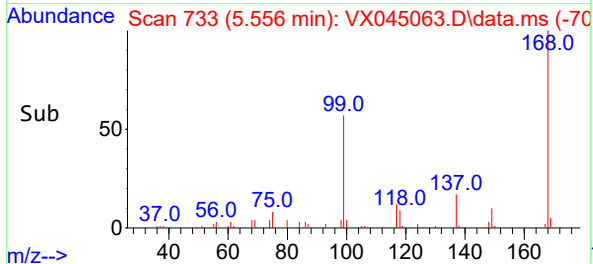
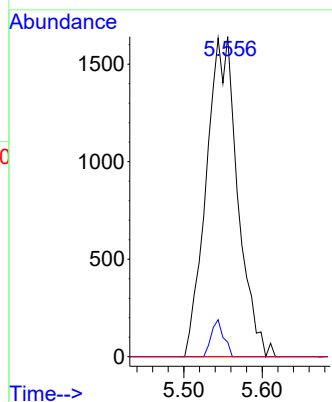


#38  
Carbon Tetrachloride  
Concen: 4.37 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.116 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Instrument :  
MSVOA\_X  
ClientSampleId :

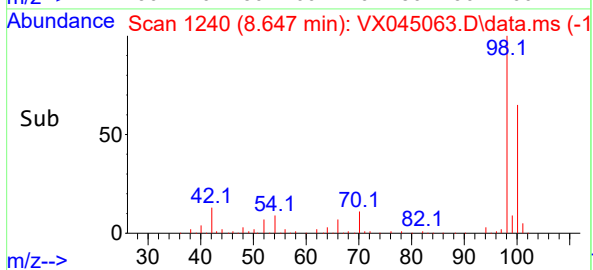
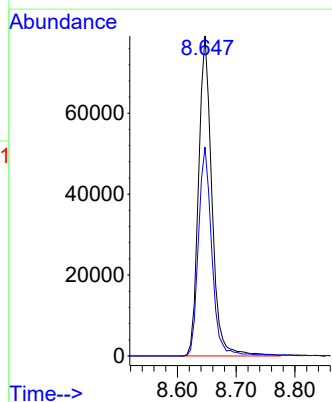
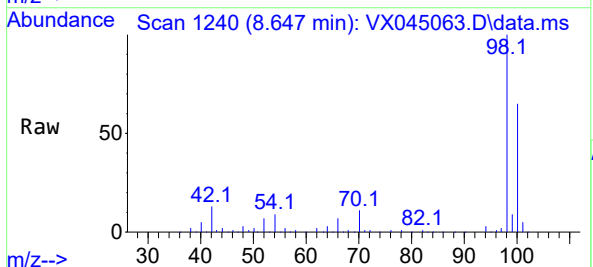


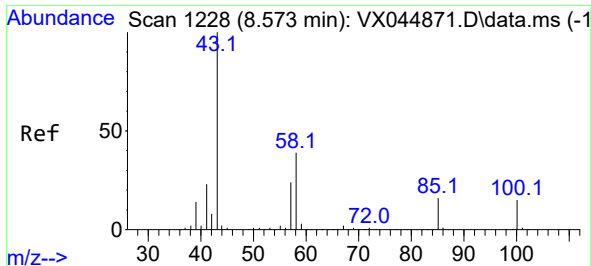
Tgt Ion:117 Resp: 4574  
Ion Ratio Lower Upper  
117 100  
119 4.6 77.5 116.3#  
121 0.0 25.6 38.4#



#50  
Toluene-d8  
Concen: 44.59 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Tgt Ion: 98 Resp: 124872  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.7 79.1

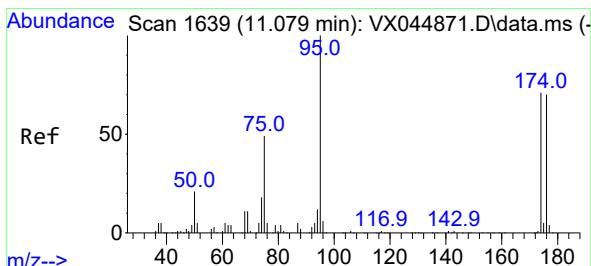
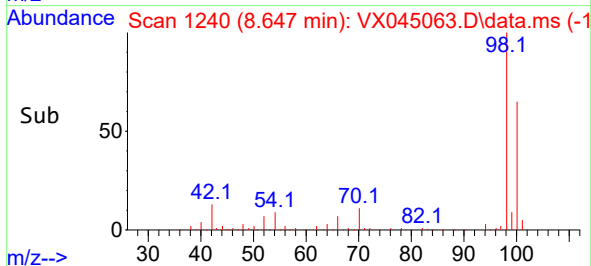
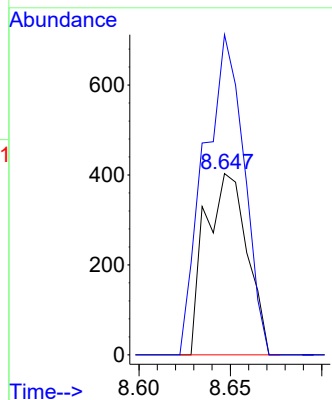
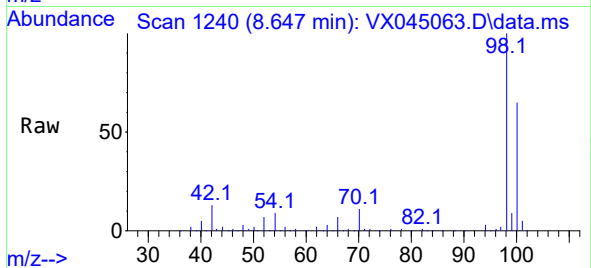




#51  
4-Methyl-2-Pentanone  
Concen: 0.55 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

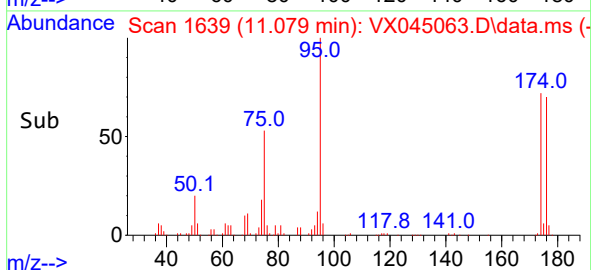
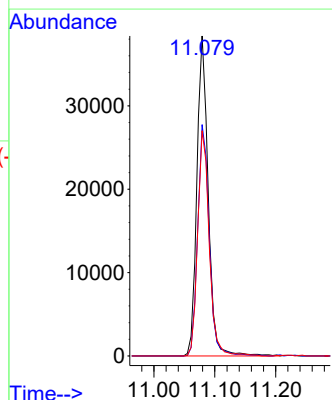
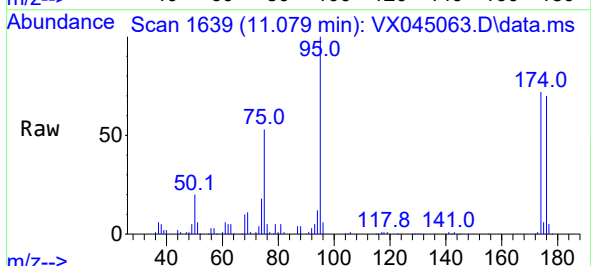
Instrument :  
MSVOA\_X  
ClientSampleId :

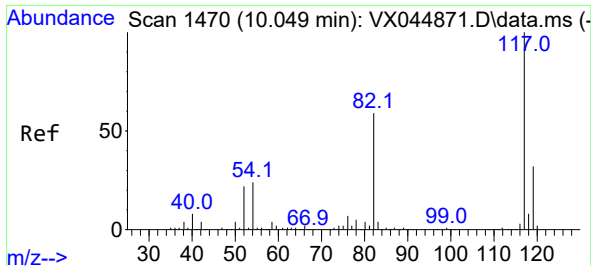
Tgt Ion: 43 Resp: 643  
Ion Ratio Lower Upper  
43 100  
58 168.4 30.8 46.2#



#62  
4-Bromofluorobenzene  
Concen: 52.44 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

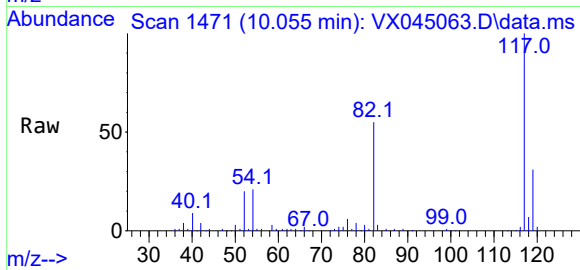
Tgt Ion: 95 Resp: 49510  
Ion Ratio Lower Upper  
95 100  
174 73.6 0.0 142.6  
176 71.8 0.0 141.6



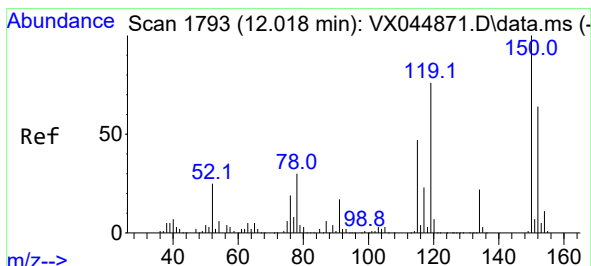
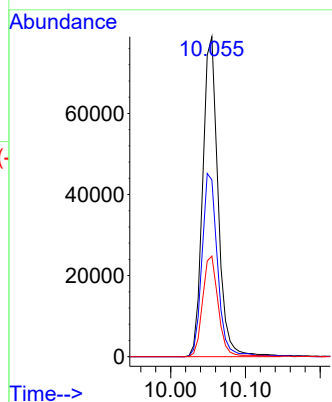
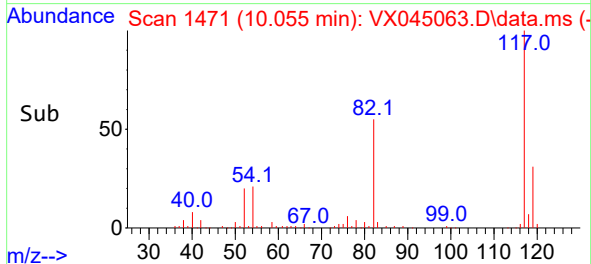


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Instrument :  
MSVOA\_X  
ClientSampleId :

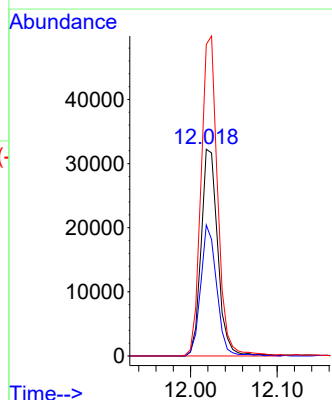
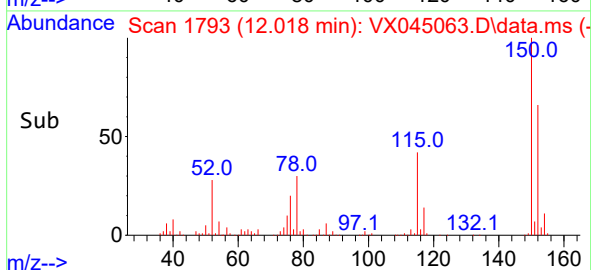
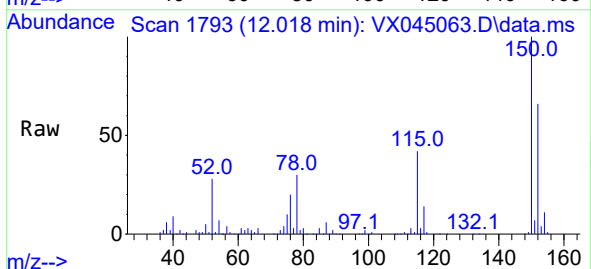


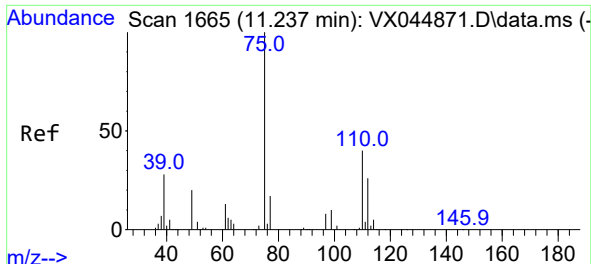
Tgt Ion:117 Resp: 112715  
Ion Ratio Lower Upper  
117 100  
82 55.3 47.5 71.3  
119 31.5 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Tgt Ion:152 Resp: 43071  
Ion Ratio Lower Upper  
152 100  
115 60.8 43.4 130.1  
150 154.0 0.0 350.4

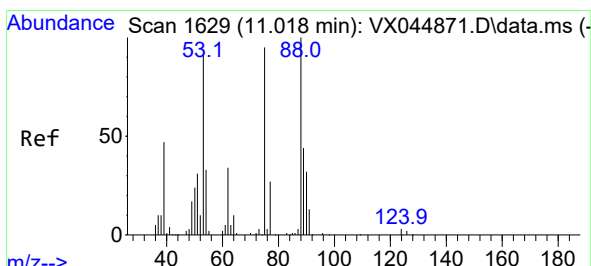
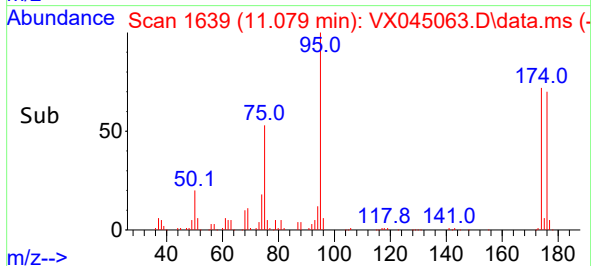
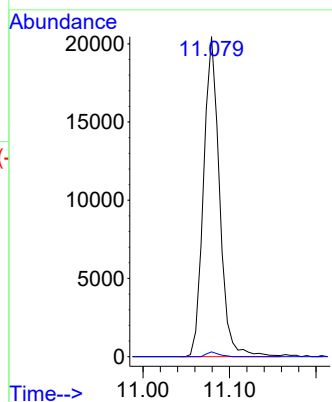
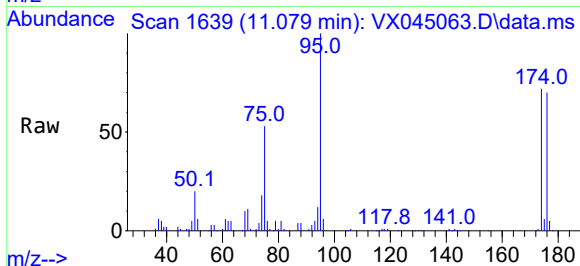




#76  
1,2,3-Trichloropropane  
Concen: 27.46 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 26226  
Ion Ratio Lower Upper  
75 100  
77 1.1 21.9 65.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 70.65 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX045063.D  
Acq: 27 Feb 2025 15:19

Tgt Ion: 75 Resp: 26226  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 36.6 54.8#

