

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012725\  
 Data File : VX044712.D  
 Acq On : 27 Jan 2025 10:38  
 Operator : JC/MD  
 Sample : VX0127MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jan 28 04:07:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011525W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 16 01:16:09 2025  
 Response via : Initial Calibration

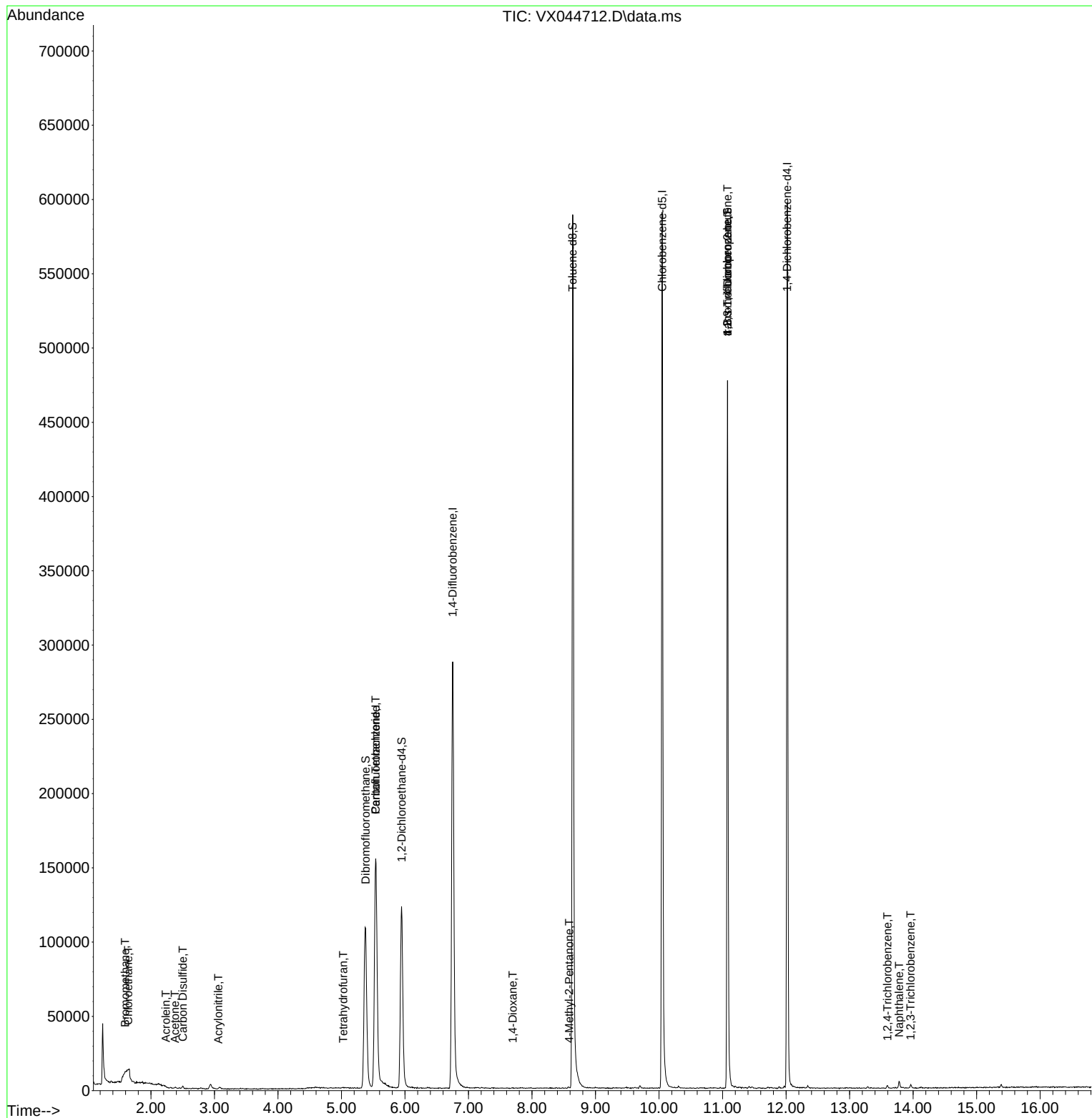
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.538  | 168   | 156935   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.751  | 114   | 314560   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 278587   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 122776   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.946  | 65    | 113332   | 47.843   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 95.680%  |
| 35) Dibromofluoromethane      | 5.379  | 113   | 100912   | 50.498   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 101.000% |
| 50) Toluene-d8                | 8.641  | 98    | 376419   | 54.022   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 108.040% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 139028   | 53.523   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | =      | 107.040% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 1.593  | 94    | 163      | 0.303    | ug/l   | 87       |
| 6) Chloroethane               | 1.642  | 64    | 117      | 0.283    | ug/l # | 84       |
| 13) Acrolein                  | 2.233  | 56    | 654      | 2.632    | ug/l # | 65       |
| 15) Acrylonitrile             | 3.062  | 53    | 433      | 0.418    | ug/l # | 17       |
| 16) Acetone                   | 2.380  | 43    | 925      | 0.987    | ug/l # | 78       |
| 17) Carbon Disulfide          | 2.502  | 76    | 1883     | 0.376    | ug/l   | 97       |
| 29) Tetrahydrofuran           | 5.026  | 42    | 401      | 0.446    | ug/l # | 60       |
| 38) Carbon Tetrachloride      | 5.538  | 117   | 15713    | 5.022    | ug/l # | 18       |
| 49) 1,4-Dioxane               | 7.696  | 88    | 50       | 0.947    | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 8.586  | 43    | 646      | 0.215    | ug/l # | 74       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 68757    | 23.076   | ug/l # | 32       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 68757    | 52.771   | ug/l # | 12       |
| 93) 1,2,4-Trichlorobenzene    | 13.597 | 180   | 694      | 0.278    | ug/l   | 98       |
| 95) Naphthalene               | 13.780 | 128   | 4385     | 0.455    | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 909      | 0.351    | ug/l   | 96       |
| -----                         |        |       |          |          |        |          |

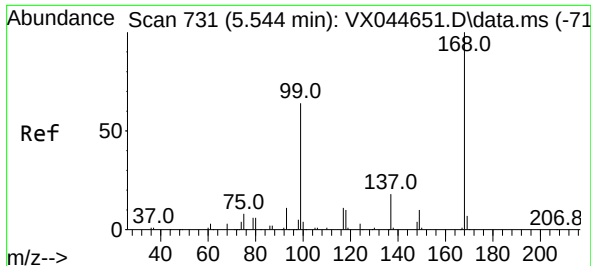
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012725\  
Data File : VX044712.D  
Acq On : 27 Jan 2025 10:38  
Operator : JC/MD  
Sample : VX0127MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jan 28 04:07:40 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011525W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 16 01:16:09 2025  
Response via : Initial Calibration

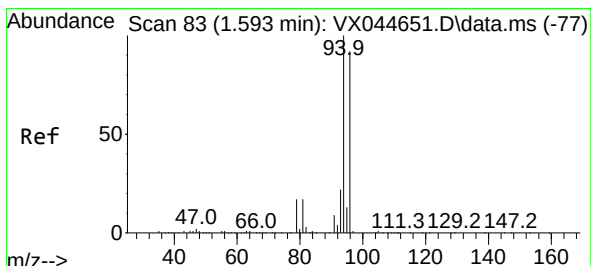
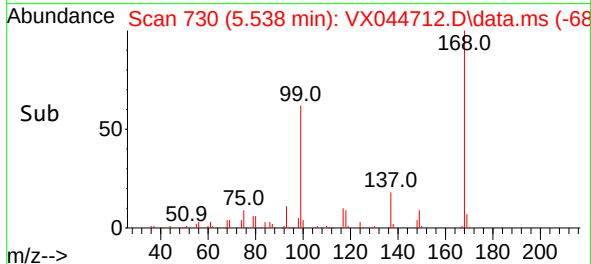
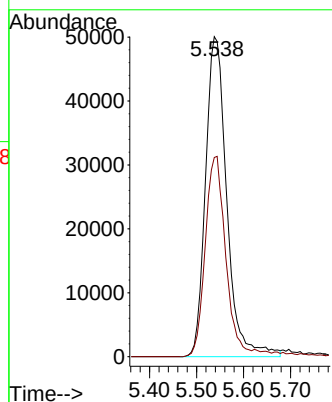
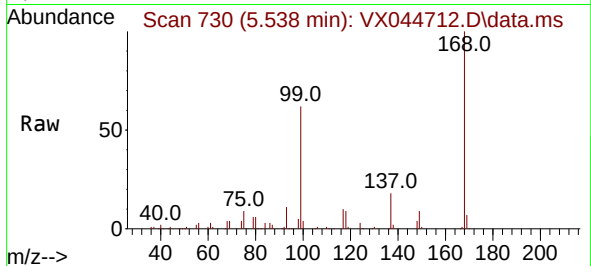




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX044712.D  
Acq: 27 Jan 2025 10:38

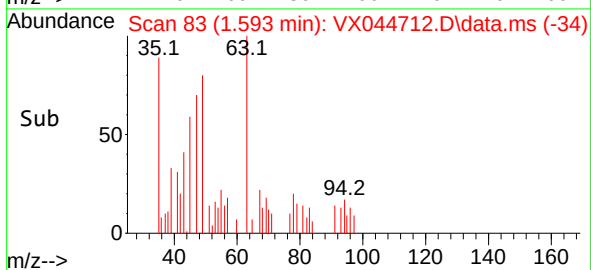
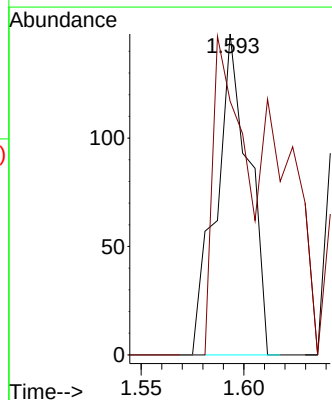
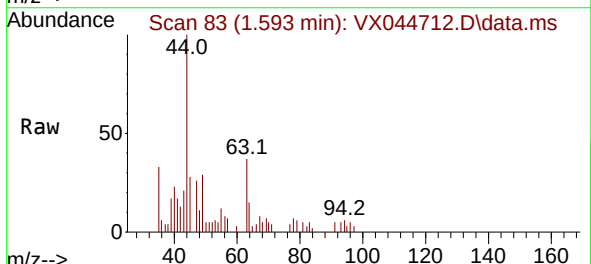
Instrument :  
MSVOA\_X  
ClientSampleId :

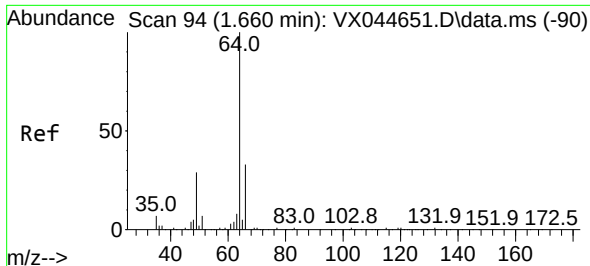
Tgt Ion:168 Resp: 156935  
Ion Ratio Lower Upper  
168 100  
99 62.3 51.1 76.7



#5  
Bromomethane  
Concen: 0.303 ug/l  
RT: 1.593 min Scan# 83  
Delta R.T. 0.000 min  
Lab File: VX044712.D  
Acq: 27 Jan 2025 10:38

Tgt Ion: 94 Resp: 163  
Ion Ratio Lower Upper  
94 100  
96 79.1 72.8 109.2

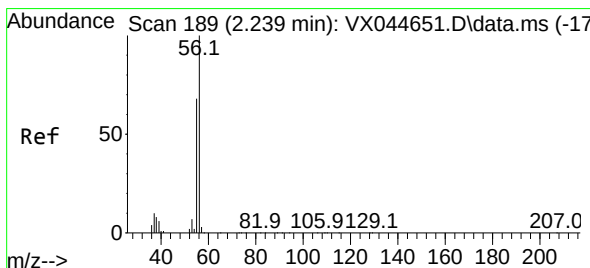
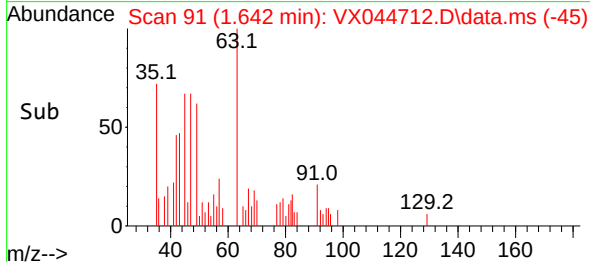
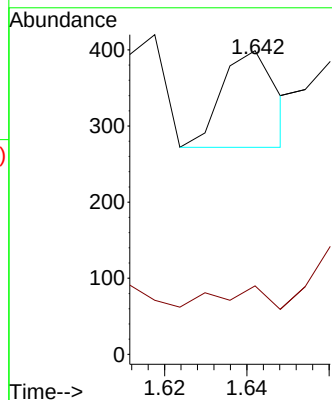
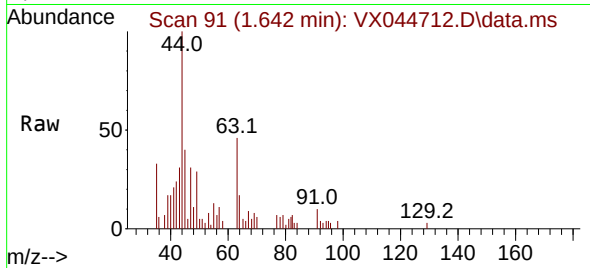




#6  
Chloroethane  
Concen: 0.283 ug/l  
RT: 1.642 min Scan# 91  
Delta R.T. -0.018 min  
Lab File: VX044712.D  
Acq: 27 Jan 2025 10:38

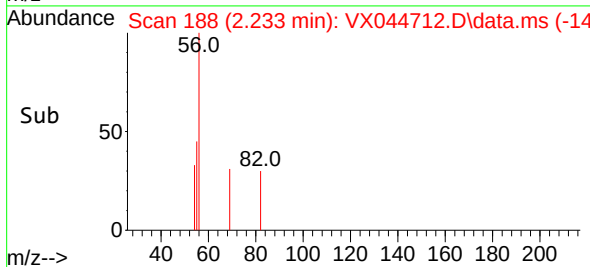
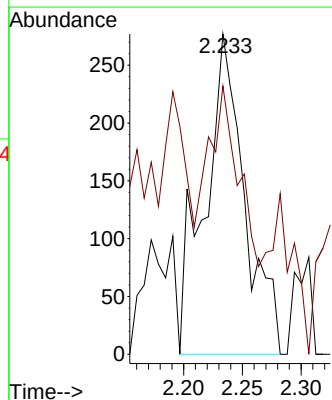
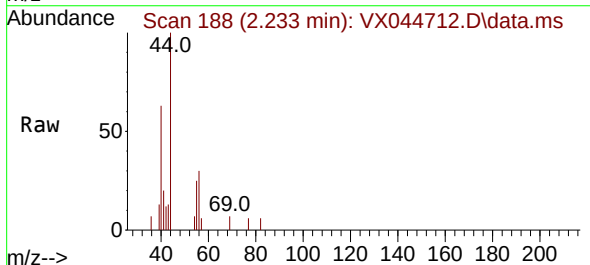
Instrument :  
MSVOA\_X  
ClientSampleId :

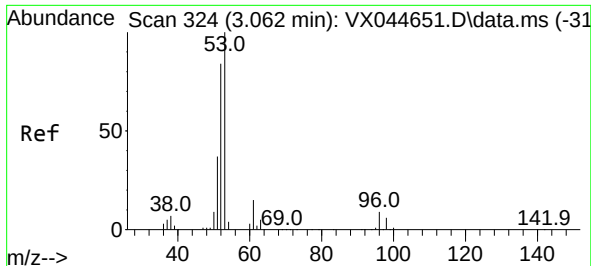
Tgt Ion: 64 Resp: 117  
Ion Ratio Lower Upper  
64 100  
66 24.4 26.6 39.8#



#13  
Acrolein  
Concen: 2.632 ug/l  
RT: 2.233 min Scan# 188  
Delta R.T. -0.006 min  
Lab File: VX044712.D  
Acq: 27 Jan 2025 10:38

Tgt Ion: 56 Resp: 654  
Ion Ratio Lower Upper  
56 100  
55 40.7 55.1 82.7#

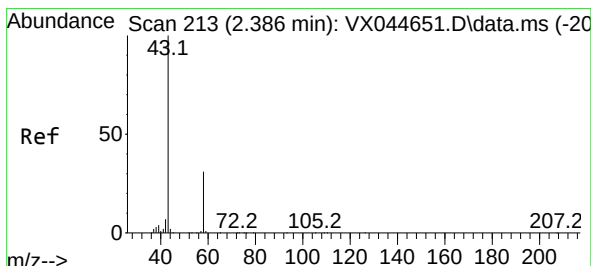
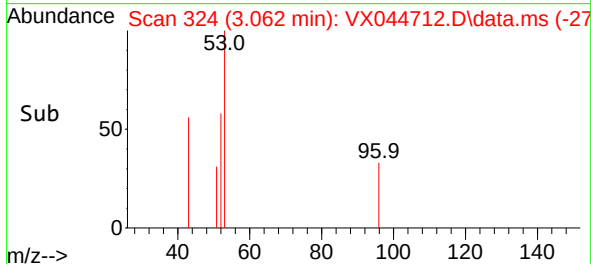
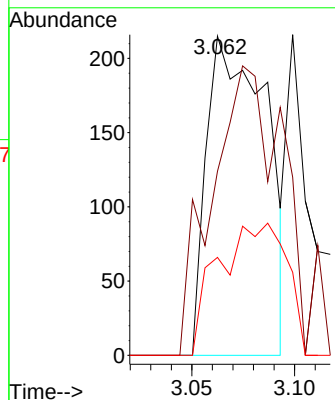
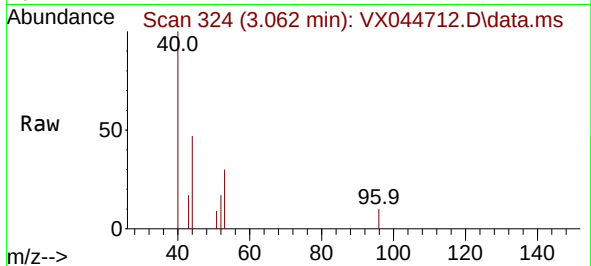




#15  
Acrylonitrile  
Concen: 0.418 ug/l  
RT: 3.062 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX044712.D  
Acq: 27 Jan 2025 10:38

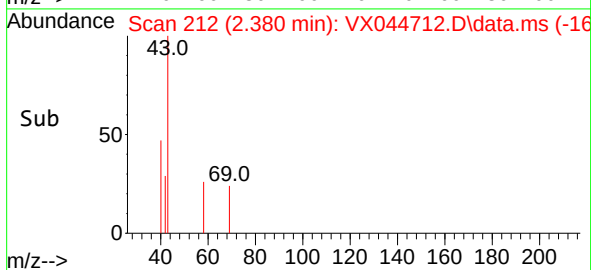
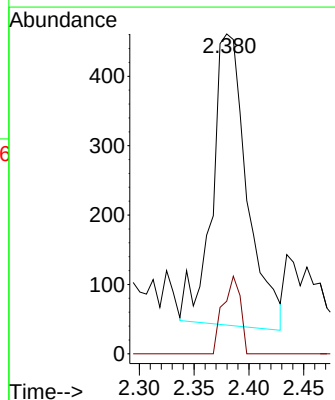
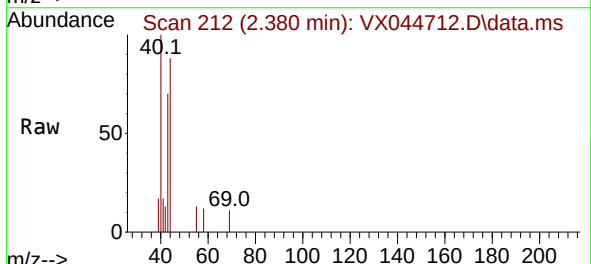
Instrument :  
MSVOA\_X  
ClientSampleId :

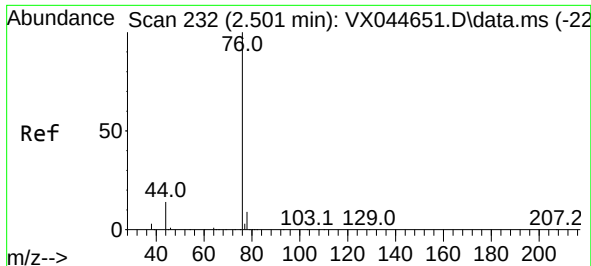
Tgt Ion: 53 Resp: 433  
Ion Ratio Lower Upper  
53 100  
52 0.0 66.0 99.0#  
51 0.0 28.9 43.3#



#16  
Acetone  
Concen: 0.987 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VX044712.D  
Acq: 27 Jan 2025 10:38

Tgt Ion: 43 Resp: 925  
Ion Ratio Lower Upper  
43 100  
58 18.6 24.6 37.0#

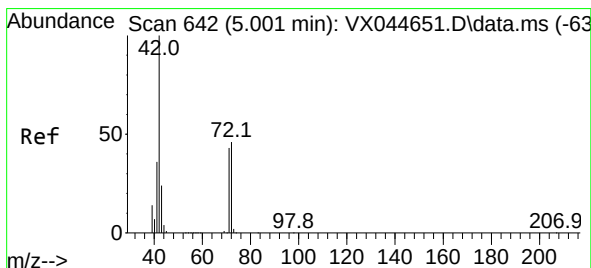
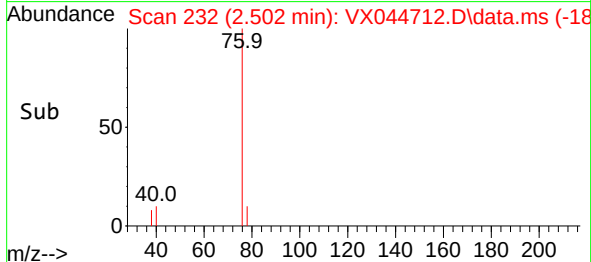
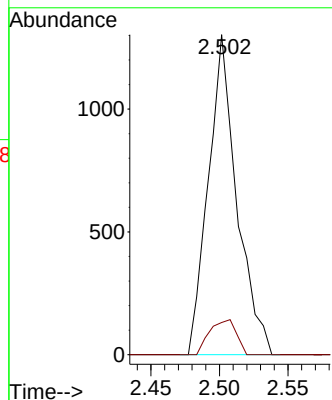
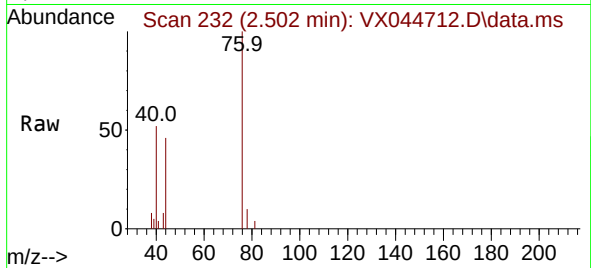




#17  
Carbon Disulfide  
Concen: 0.376 ug/l  
RT: 2.502 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX044712.D  
Acq: 27 Jan 2025 10:38

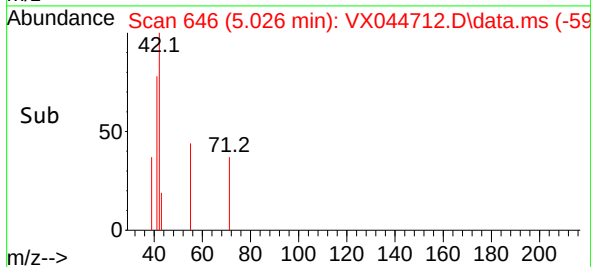
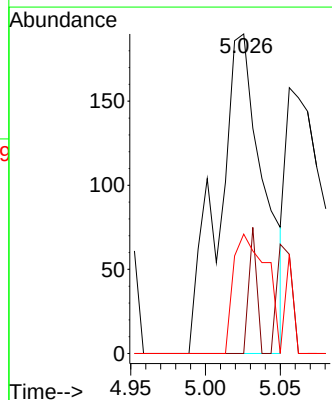
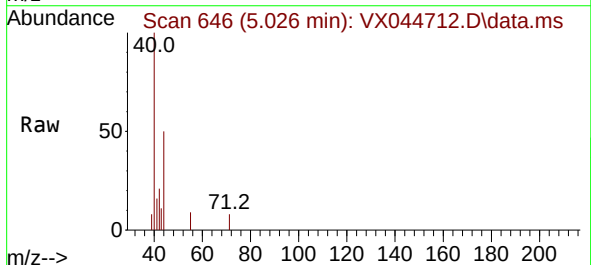
Instrument :  
MSVOA\_X  
ClientSampleId :

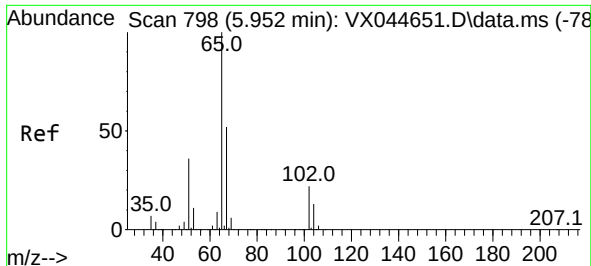
Tgt Ion: 76 Resp: 1883  
Ion Ratio Lower Upper  
76 100  
78 10.1 7.1 10.7



#29  
Tetrahydrofuran  
Concen: 0.446 ug/l  
RT: 5.026 min Scan# 646  
Delta R.T. 0.025 min  
Lab File: VX044712.D  
Acq: 27 Jan 2025 10:38

Tgt Ion: 42 Resp: 401  
Ion Ratio Lower Upper  
42 100  
72 6.7 38.2 57.4#  
71 32.7 35.3 52.9#





#33

1,2-Dichloroethane-d4

Concen: 47.843 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044712.D

Acq: 27 Jan 2025 10:38

Instrument :

MSVOA\_X

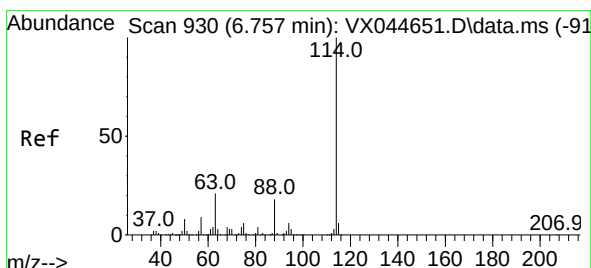
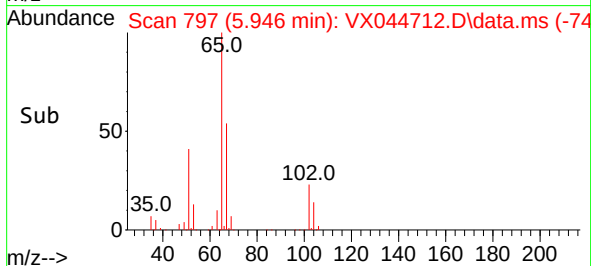
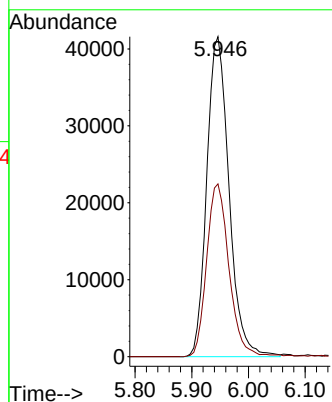
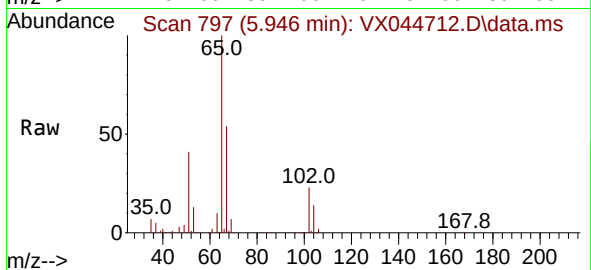
ClientSampleId :

Tgt Ion: 65 Resp: 113332

Ion Ratio Lower Upper

65 100

67 54.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044712.D

Acq: 27 Jan 2025 10:38

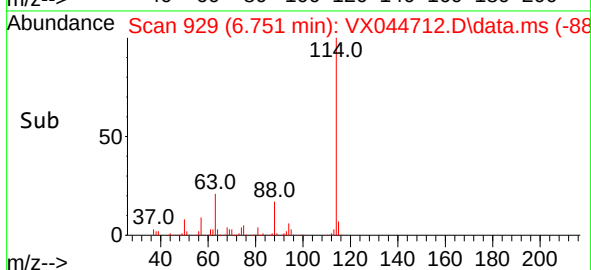
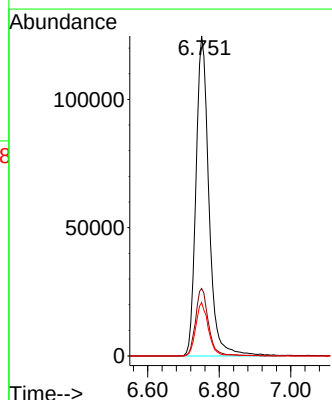
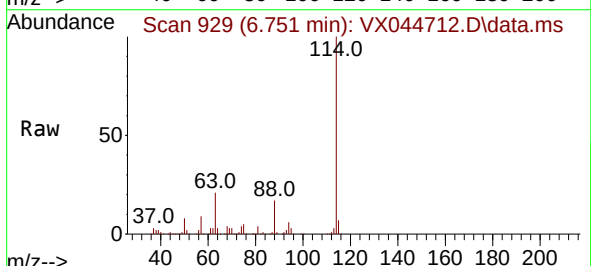
Tgt Ion: 114 Resp: 314560

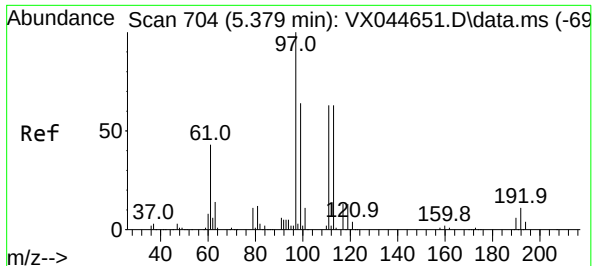
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.0

88 16.7 0.0 35.4

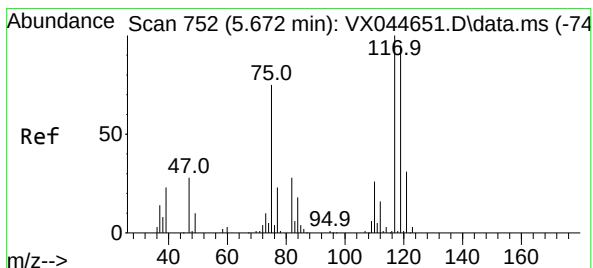
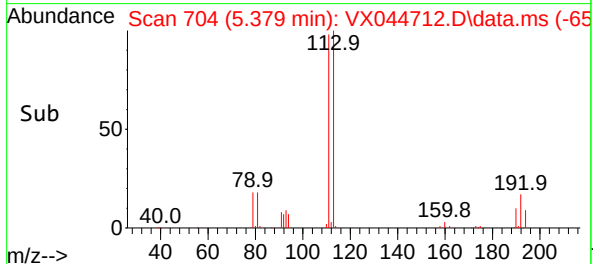
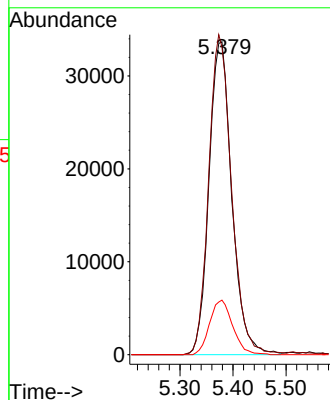
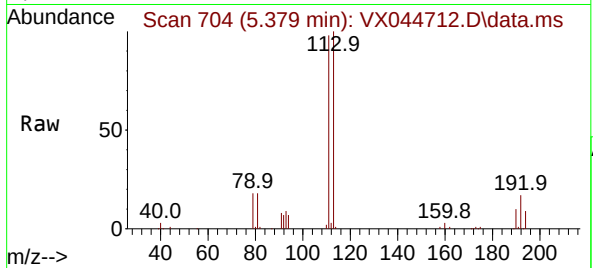




#35  
Dibromofluoromethane  
Concen: 50.498 ug/l  
RT: 5.379 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: VX044712.D  
Acq: 27 Jan 2025 10:38

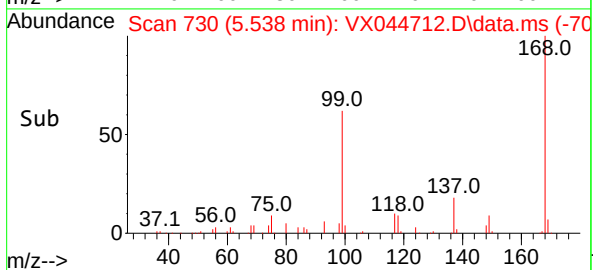
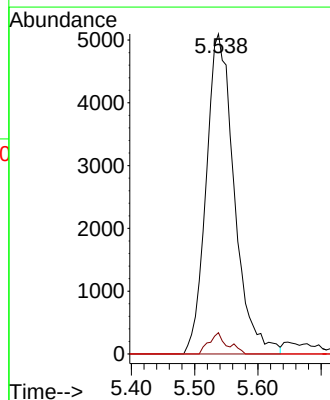
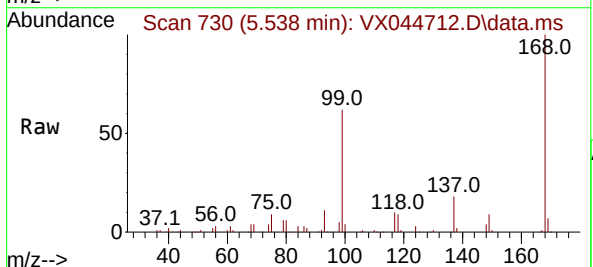
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:113 Resp: 100912  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.6 122.4  
192 17.6 14.4 21.6

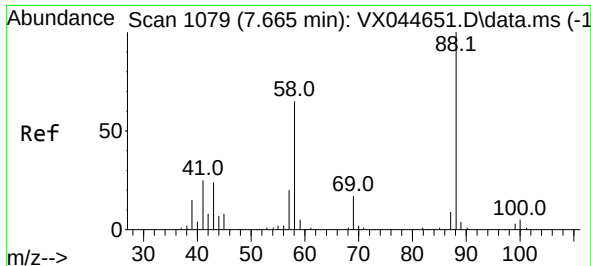


#38  
Carbon Tetrachloride  
Concen: 5.022 ug/l  
RT: 5.538 min Scan# 730  
Delta R.T. -0.134 min  
Lab File: VX044712.D  
Acq: 27 Jan 2025 10:38

Tgt Ion:117 Resp: 15713  
Ion Ratio Lower Upper  
117 100  
119 6.7 76.0 114.0#  
121 0.0 24.6 36.8#







#49

1,4-Dioxane

Concen: 0.947 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.031 min

Lab File: VX044712.D

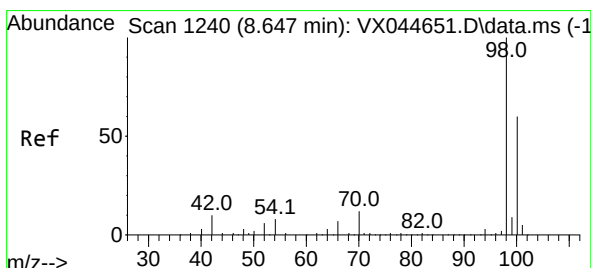
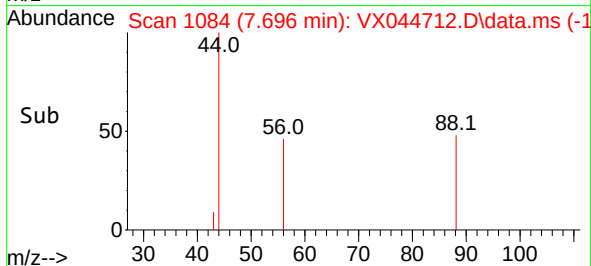
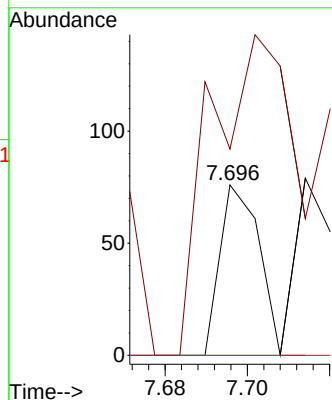
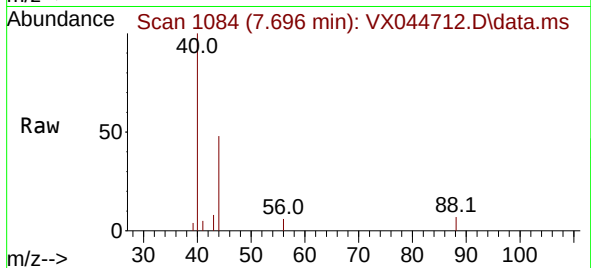
Acq: 27 Jan 2025 10:38

Instrument :

MSVOA\_X

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 50    |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 400.0 | 27.0  | 40.4# |
| 58       | 0.0   | 55.8  | 83.8# |



#50

Toluene-d8

Concen: 54.022 ug/l

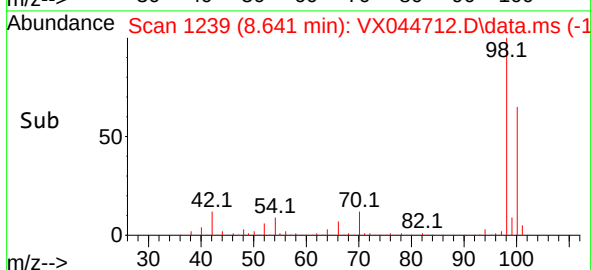
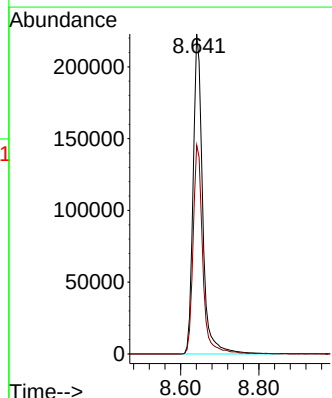
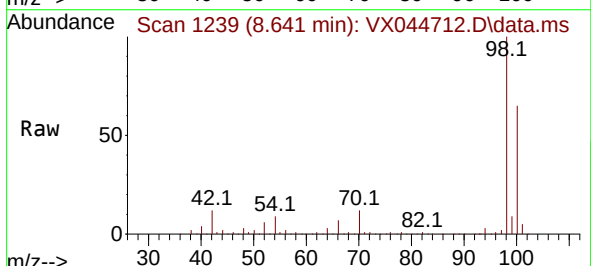
RT: 8.641 min Scan# 1239

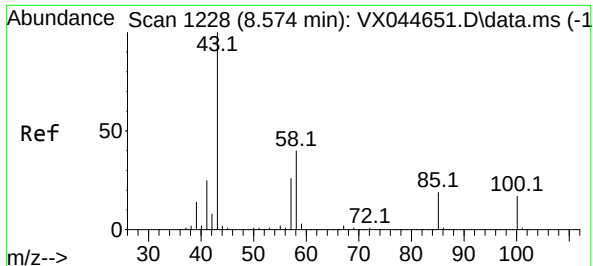
Delta R.T. -0.006 min

Lab File: VX044712.D

Acq: 27 Jan 2025 10:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 376419 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.8  | 53.2  | 79.8   |





#51

4-Methyl-2-Pentanone

Concen: 0.215 ug/l

RT: 8.586 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX044712.D

Acq: 27 Jan 2025 10:38

Instrument :

MSVOA\_X

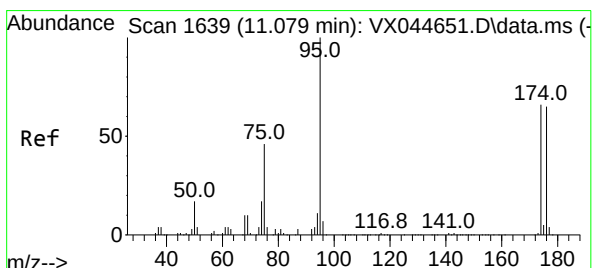
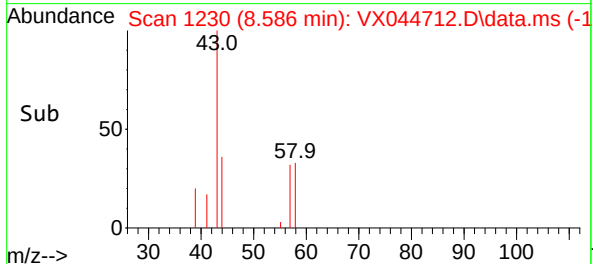
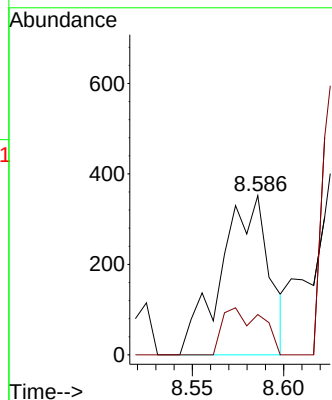
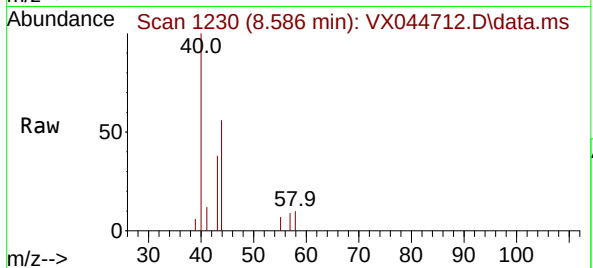
ClientSampleId :

Tgt Ion: 43 Resp: 646

Ion Ratio Lower Upper

43 100

58 23.8 31.9 47.9#



#62

4-Bromofluorobenzene

Concen: 53.523 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044712.D

Acq: 27 Jan 2025 10:38

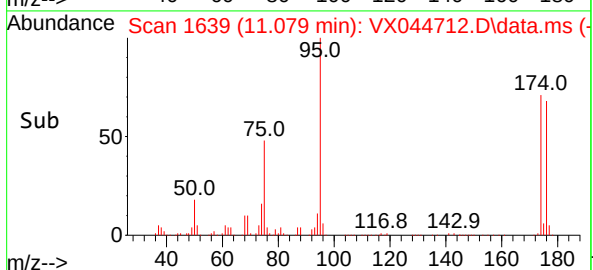
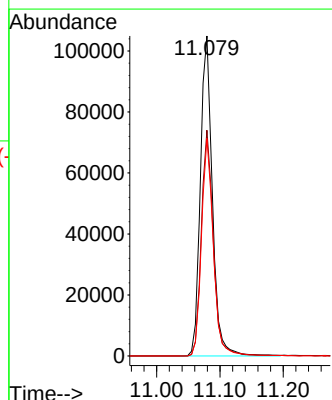
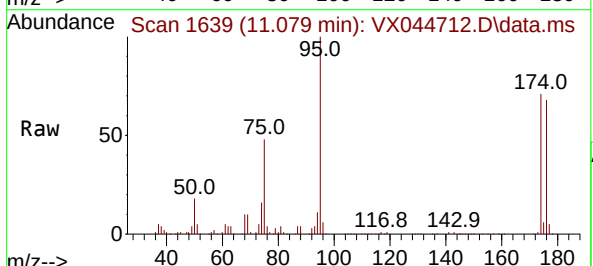
Tgt Ion: 95 Resp: 139028

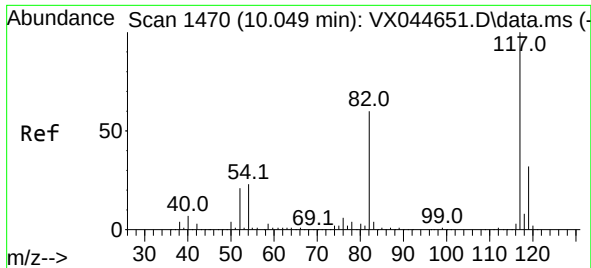
Ion Ratio Lower Upper

95 100

174 70.5 0.0 133.0

176 67.4 0.0 129.4

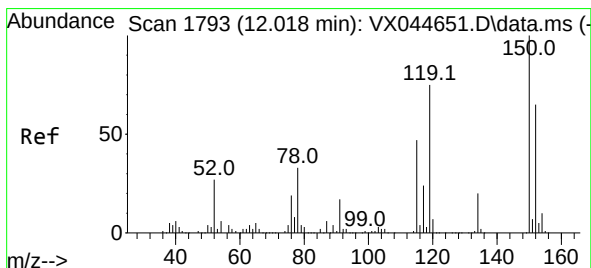
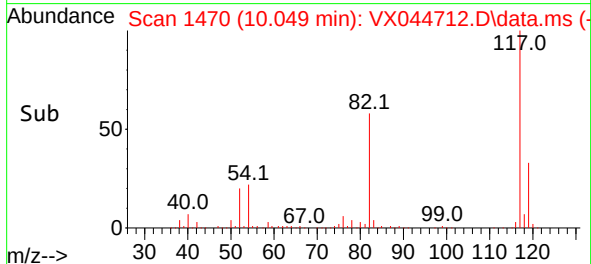
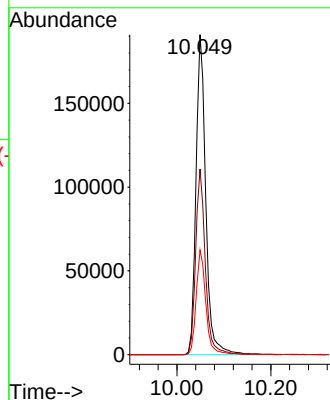
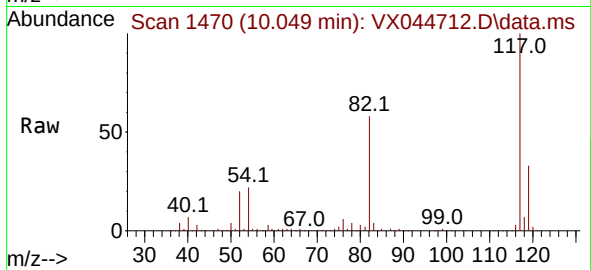




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VX044712.D  
Acq: 27 Jan 2025 10:38

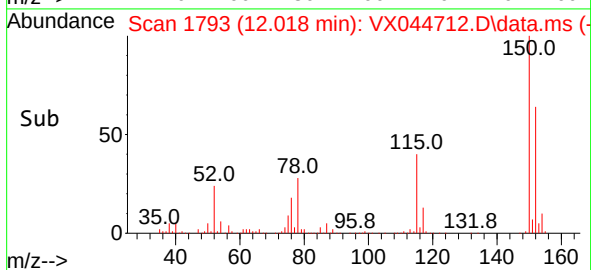
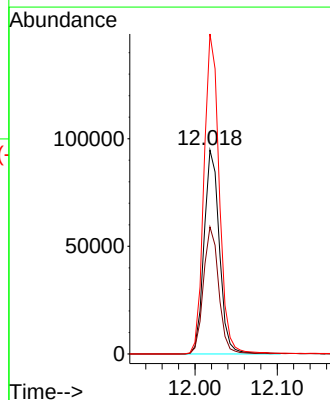
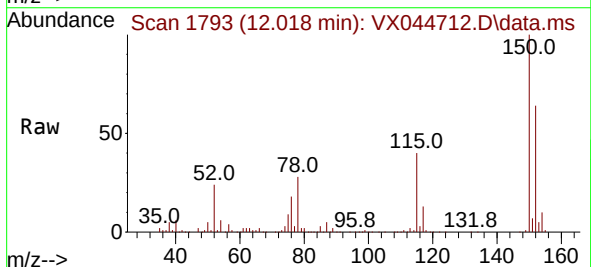
Instrument :  
MSVOA\_X  
ClientSampleId :

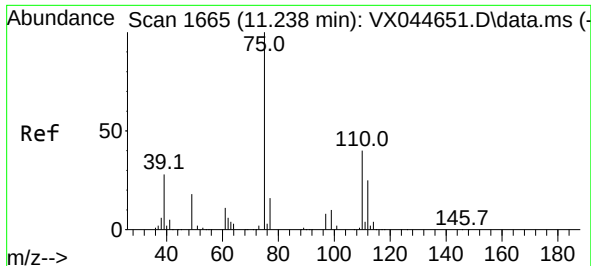
Tgt Ion:117 Resp: 278587  
Ion Ratio Lower Upper  
117 100  
82 58.0 47.6 71.4  
119 32.7 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VX044712.D  
Acq: 27 Jan 2025 10:38

Tgt Ion:152 Resp: 122776  
Ion Ratio Lower Upper  
152 100  
115 62.3 43.8 131.4  
150 156.8 0.0 347.8

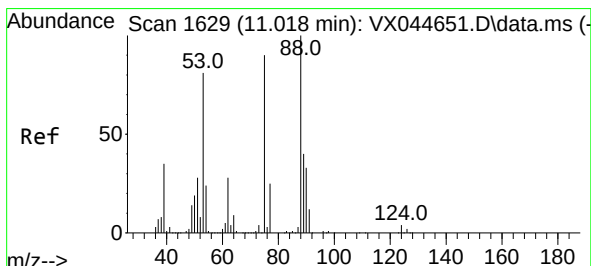
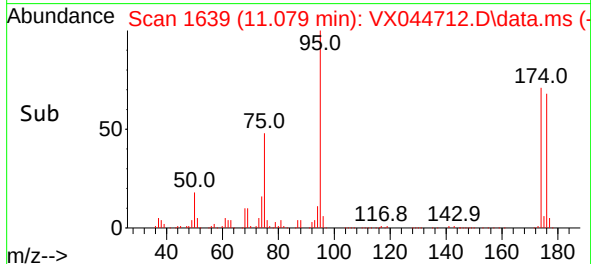
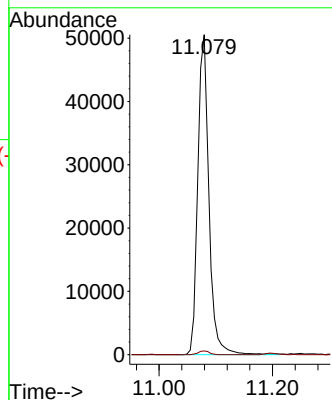
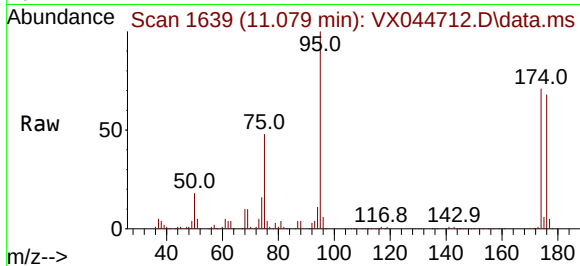




#76  
1,2,3-Trichloropropane  
Concen: 23.076 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX044712.D  
Acq: 27 Jan 2025 10:38

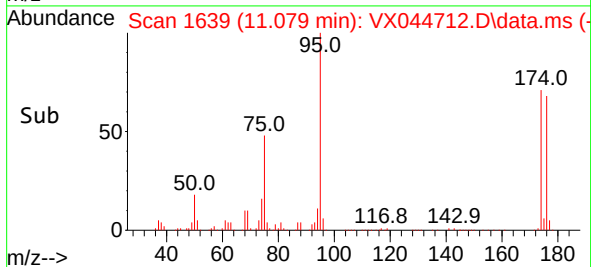
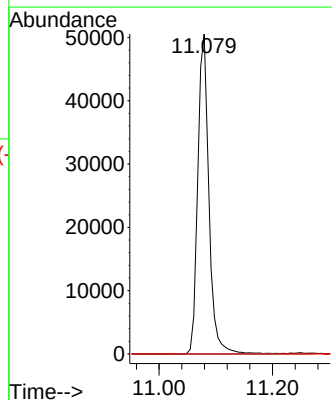
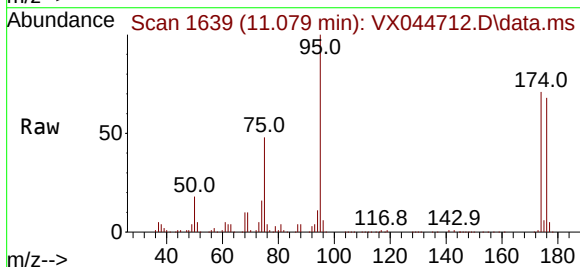
Instrument :  
MSVOA\_X  
ClientSampleId :

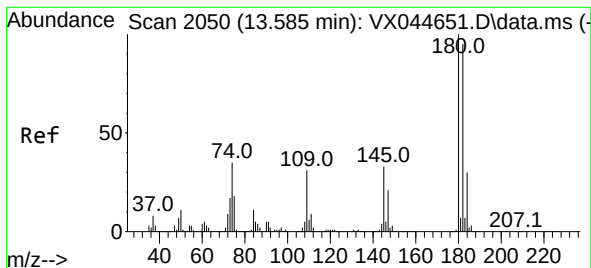
Tgt Ion: 75 Resp: 68757  
Ion Ratio Lower Upper  
75 100  
77 1.2 23.4 70.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.771 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX044712.D  
Acq: 27 Jan 2025 10:38

Tgt Ion: 75 Resp: 68757  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.3 111.5#  
89 0.0 37.4 56.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.278 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX044712.D

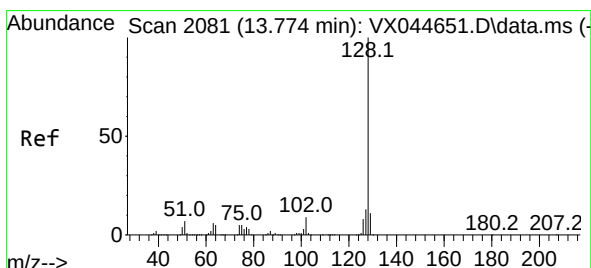
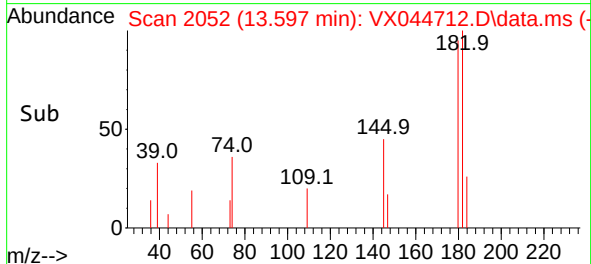
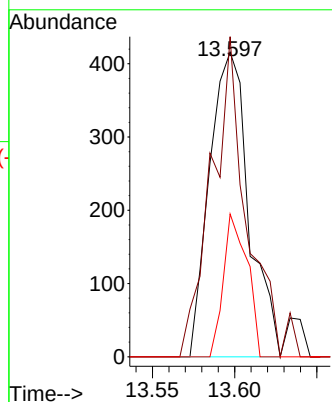
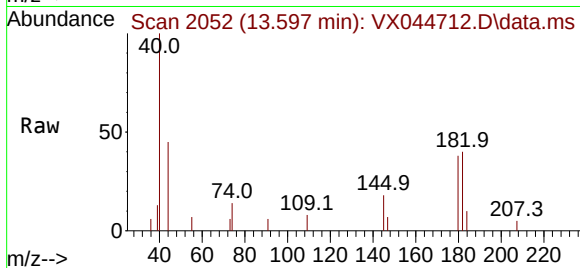
Acq: 27 Jan 2025 10:38

Instrument :

MSVOA\_X

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 694         |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 95.0  | 47.4 142.2  |
| 145         | 28.2  | 16.7 50.1   |



#95

Naphthalene

Concen: 0.455 ug/l

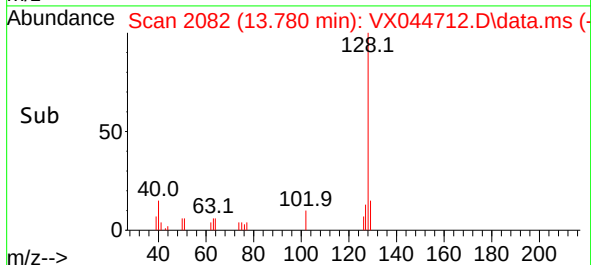
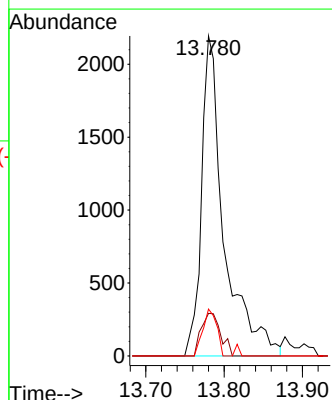
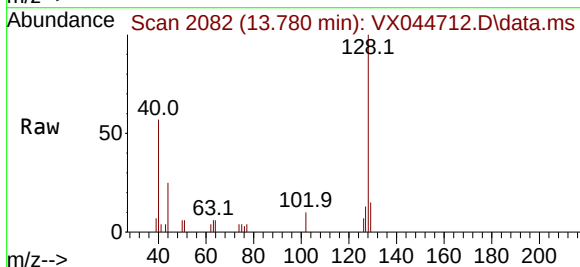
RT: 13.780 min Scan# 2082

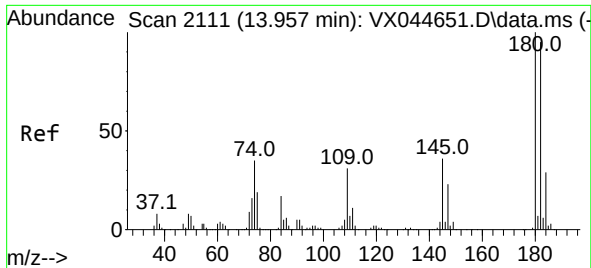
Delta R.T. 0.006 min

Lab File: VX044712.D

Acq: 27 Jan 2025 10:38

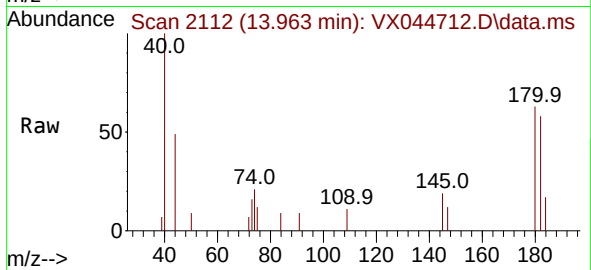
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:128 | Resp: | 4385        |
| Ion         | Ratio | Lower Upper |
| 128         | 100   |             |
| 127         | 11.4  | 10.3 15.5   |
| 129         | 9.0   | 8.7 13.1    |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.351 ug/l  
 RT: 13.963 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VX044712.D  
 Acq: 27 Jan 2025 10:38

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion:180 Resp: 909  
 Ion Ratio Lower Upper  
 180 100  
 182 93.6 47.2 141.6  
 145 27.6 17.5 52.6

