

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122024\  
 Data File : VX044440.D  
 Acq On : 20 Dec 2024 10:23  
 Operator : JC/MD  
 Sample : VX1220WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 20 22:20:25 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 Response via : Initial Calibration

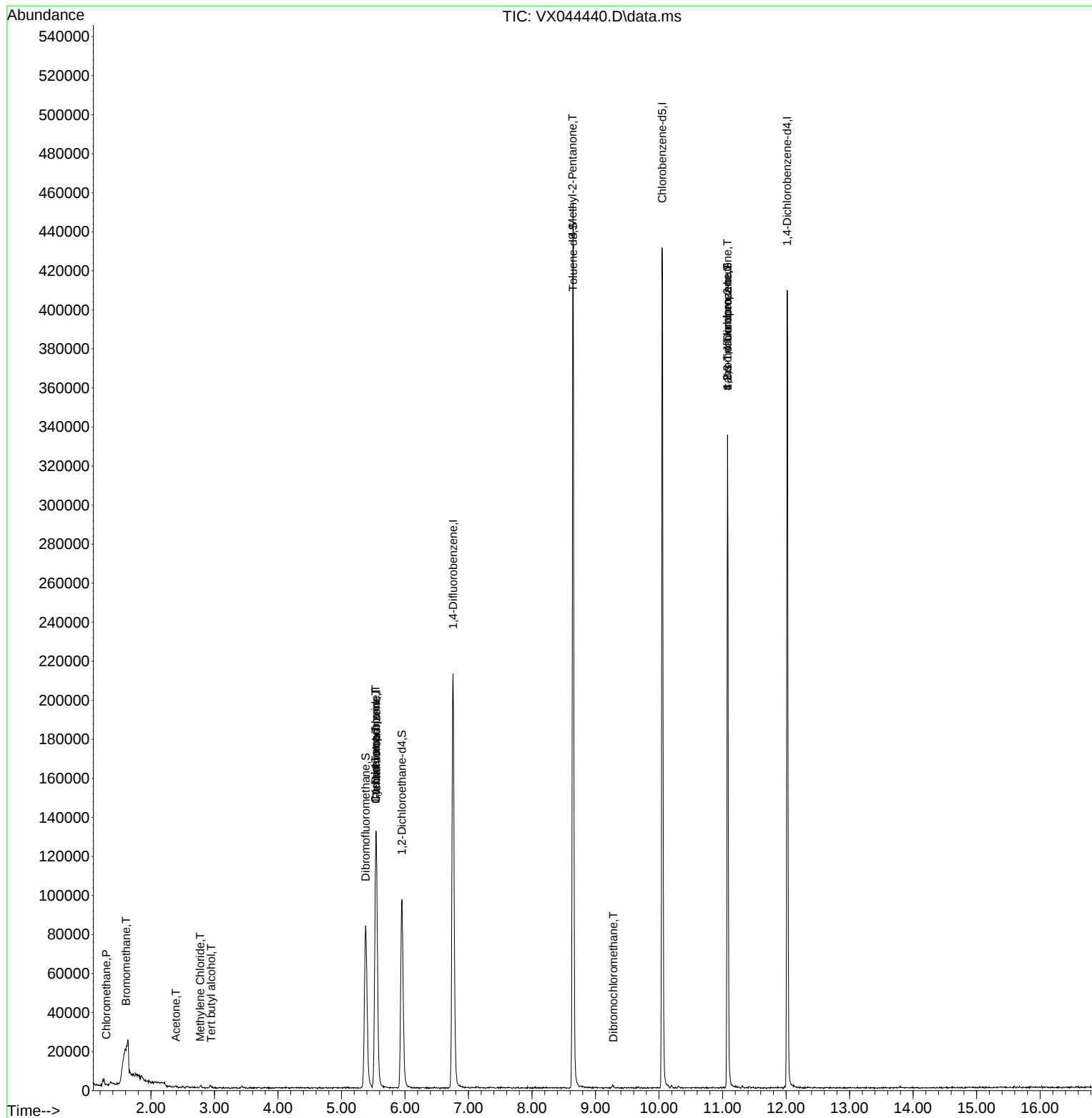
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 120864   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 218417   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 193836   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 81005    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 93379    | 44.065   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 88.120%  |
| 35) Dibromofluoromethane      | 5.379  | 113   | 71852    | 47.498   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 95.000%  |
| 50) Toluene-d8                | 8.647  | 98    | 265638   | 52.050   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 104.100% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 86300    | 48.393   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | =      | 96.780%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.294  | 50    | 477      | 0.267    | ug/l # | 42       |
| 5) Bromomethane               | 1.605  | 94    | 505      | 0.382    | ug/l # | 50       |
| 11) Tert butyl alcohol        | 2.947  | 59    | 221      | 0.740    | ug/l # | 71       |
| 16) Acetone                   | 2.392  | 43    | 732      | 0.847    | ug/l # | 48       |
| 20) Methylene Chloride        | 2.776  | 84    | 523      | 0.322    | ug/l # | 55       |
| 31) Cyclohexane               | 5.538  | 56    | 2850     | 1.246    | ug/l # | 31       |
| 36) 1,1-Dichloropropene       | 5.538  | 75    | 9981     | 5.104    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.538  | 117   | 12865    | 6.111    | ug/l # | 18       |
| 51) 4-Methyl-2-Pentanone      | 8.641  | 43    | 1189     | 0.489    | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.281  | 129   | 42       | 1.259    | ug/l # | 11       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 45599    | 25.212   | ug/l # | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 45599    | 69.762   | ug/l # | 4        |
| -----                         |        |       |          |          |        |          |

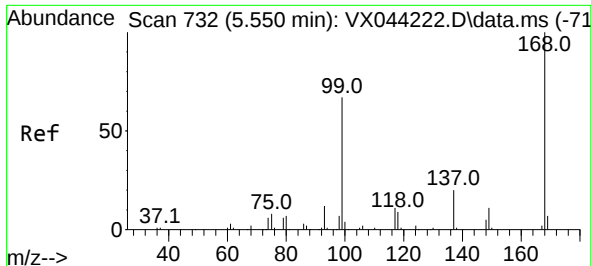
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122024\  
Data File : VX044440.D  
Acq On : 20 Dec 2024 10:23  
Operator : JC/MD  
Sample : VX1220WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Dec 20 22:20:25 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 12 04:28:14 2024  
Response via : Initial Calibration

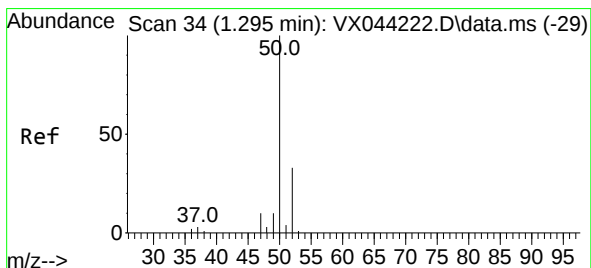
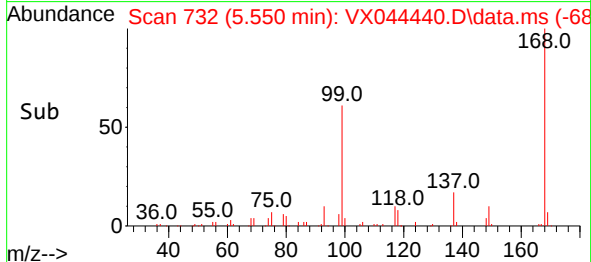
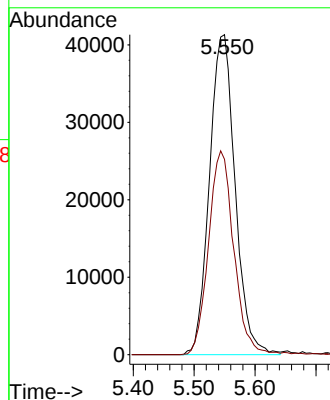
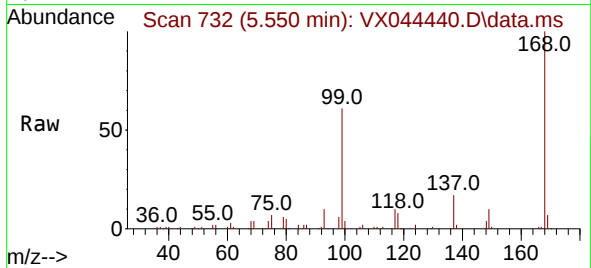




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

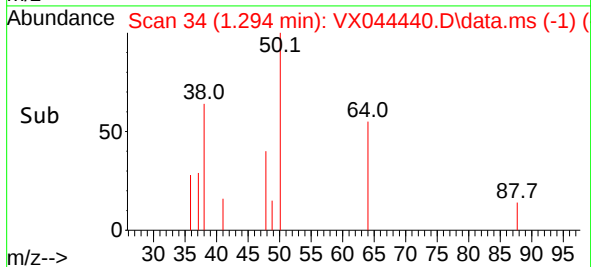
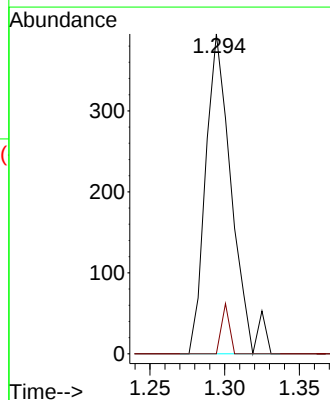
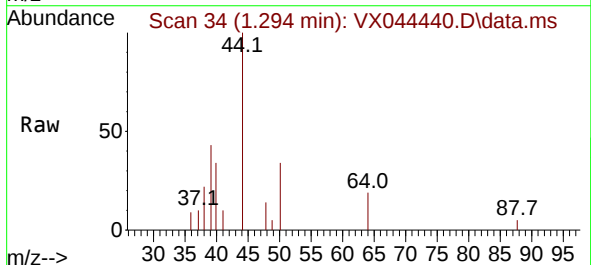
Instrument :  
MSVOA\_X  
ClientSampleId :

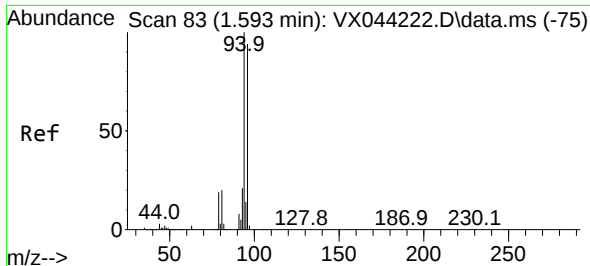
Tgt Ion:168 Resp: 120864  
Ion Ratio Lower Upper  
168 100  
99 61.0 53.4 80.0



#3  
Chloromethane  
Concen: 0.267 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

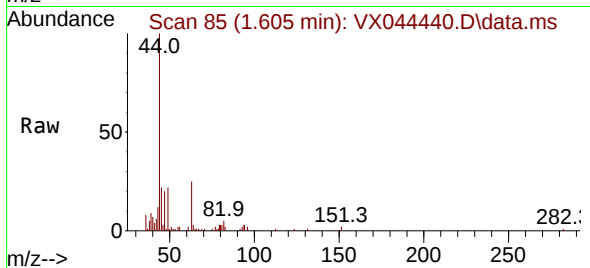
Tgt Ion: 50 Resp: 477  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.5 39.7#



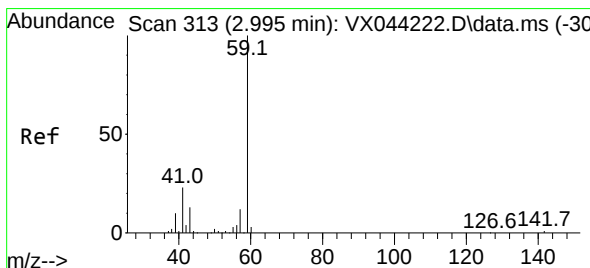
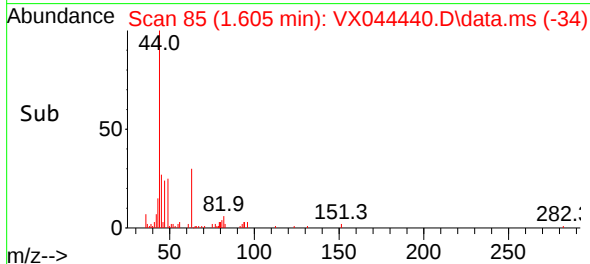
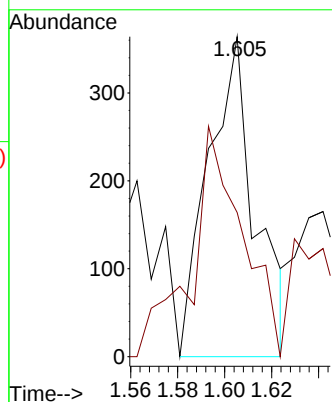


#5  
Bromomethane  
Concen: 0.382 ug/l  
RT: 1.605 min Scan# 81  
Delta R.T. 0.012 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :

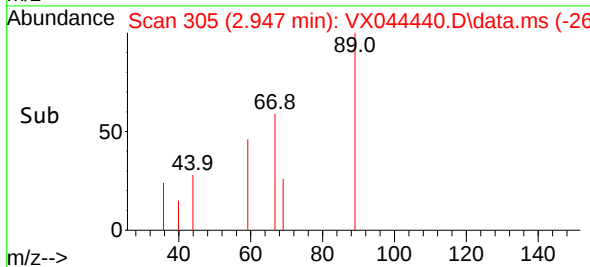
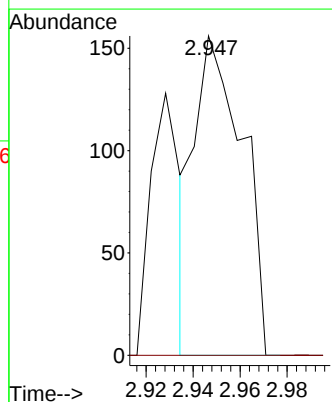
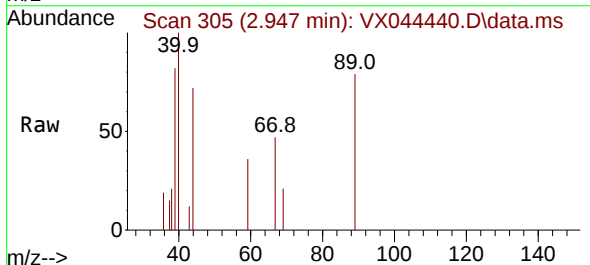


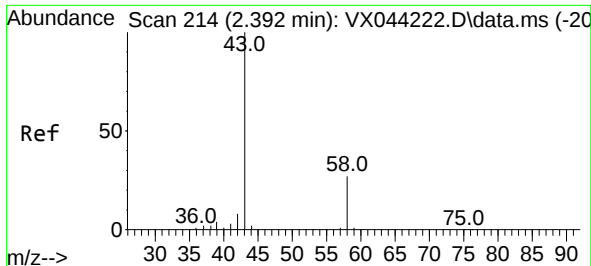
Tgt Ion: 94 Resp: 505  
Ion Ratio Lower Upper  
94 100  
96 45.1 74.9 112.3#



#11  
Tert butyl alcohol  
Concen: 0.740 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.049 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

Tgt Ion: 59 Resp: 221  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.8 13.2#

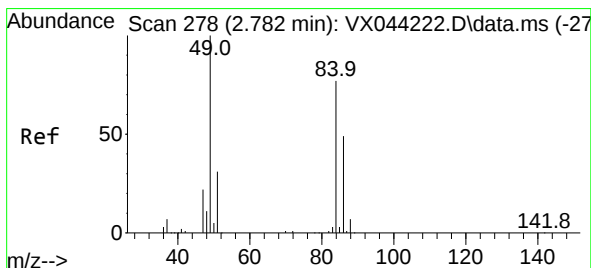
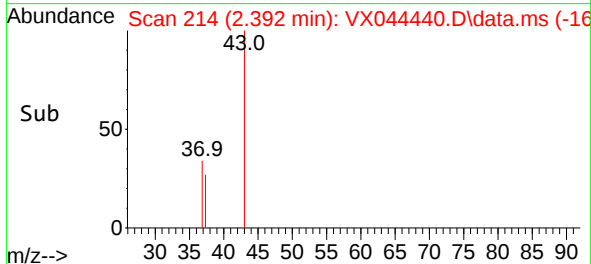
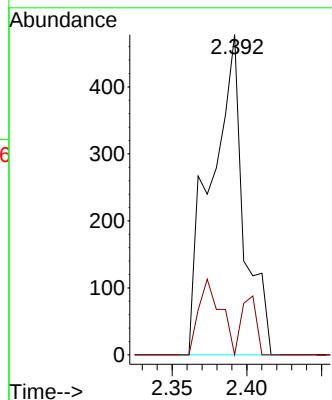
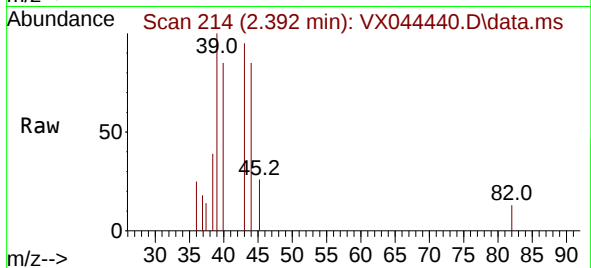




#16  
Acetone  
Concen: 0.847 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

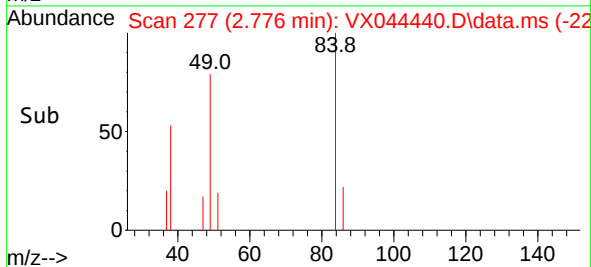
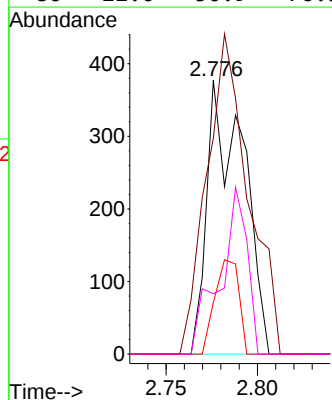
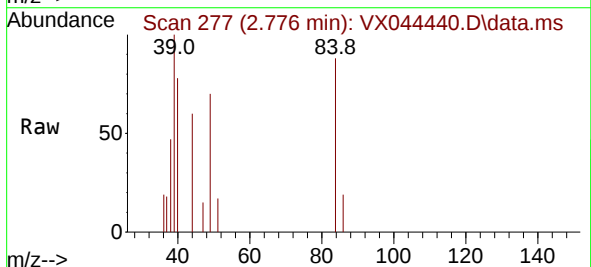
Instrument :  
MSVOA\_X  
ClientSampleId :

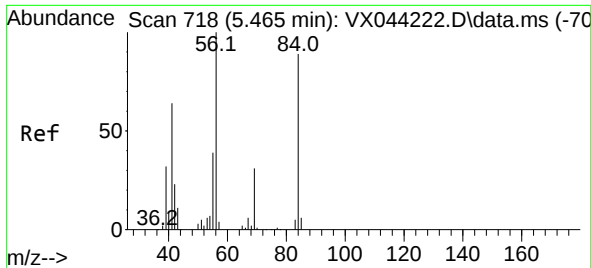
Tgt Ion: 43 Resp: 732  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.6 32.4#



#20  
Methylene Chloride  
Concen: 0.322 ug/l  
RT: 2.776 min Scan# 277  
Delta R.T. -0.006 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

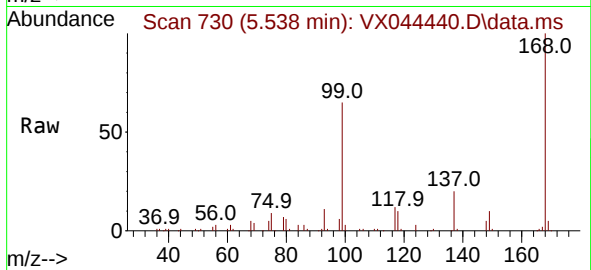
Tgt Ion: 84 Resp: 523  
Ion Ratio Lower Upper  
84 100  
49 78.8 104.2 156.4#  
51 18.8 32.2 48.4#  
86 22.0 50.9 76.3#



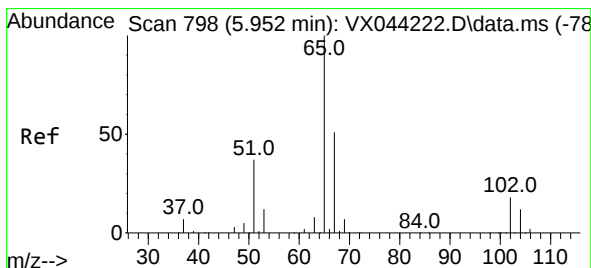
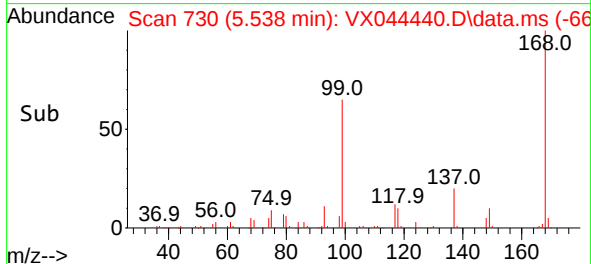
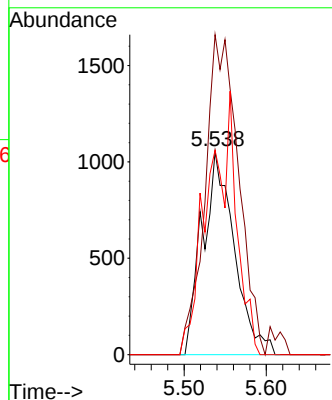


#31  
Cyclohexane  
Concen: 1.246 ug/l  
RT: 5.538 min Scan# 718  
Delta R.T. 0.073 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :

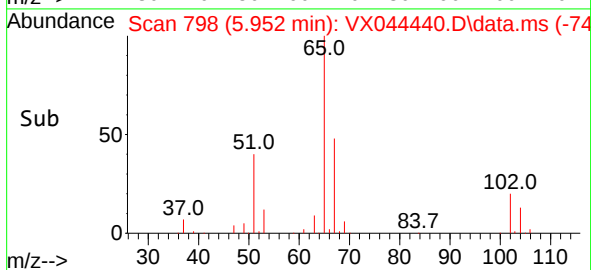
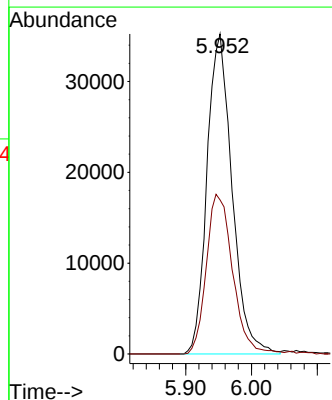
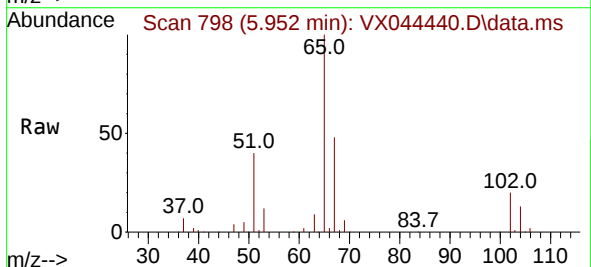


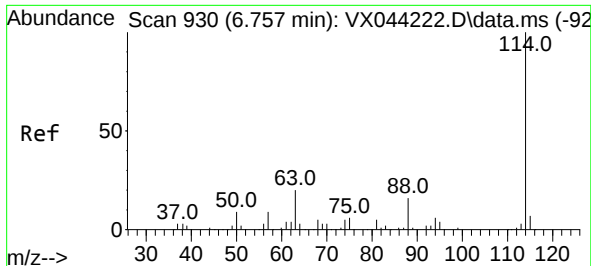
Tgt Ion: 56 Resp: 2850  
Ion Ratio Lower Upper  
56 100  
69 157.3 24.7 37.1#  
84 100.6 71.0 106.6



#33  
1,2-Dichloroethane-d4  
Concen: 44.065 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

Tgt Ion: 65 Resp: 93379  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 101.6

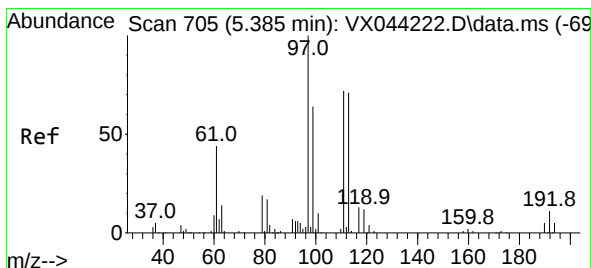
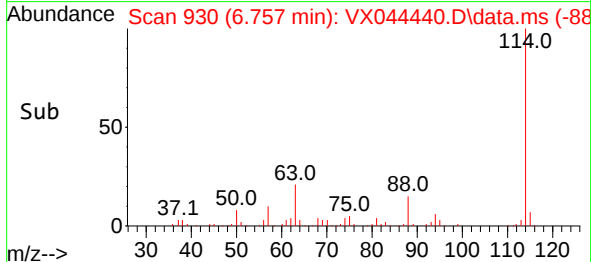
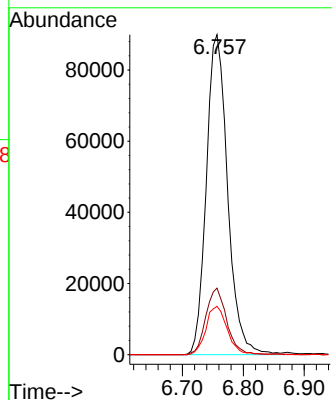
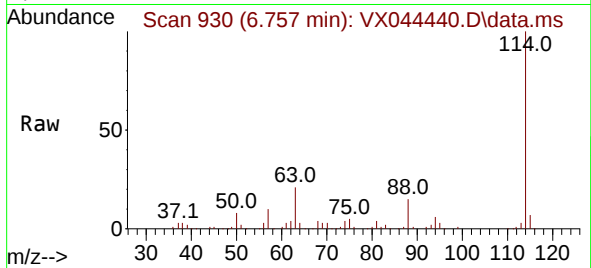




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

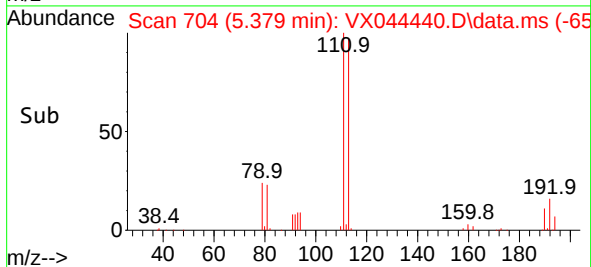
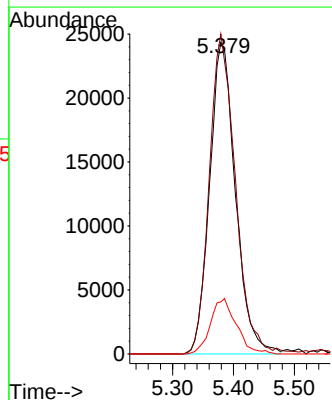
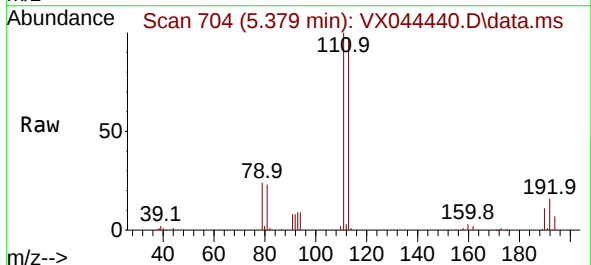
Instrument :  
MSVOA\_X  
ClientSampleId :

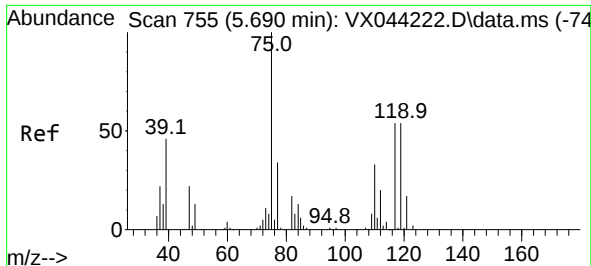
Tgt Ion:114 Resp: 218417  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 40.6  
88 15.1 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 47.498 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

Tgt Ion:113 Resp: 71852  
Ion Ratio Lower Upper  
113 100  
111 103.7 80.4 120.6  
192 17.8 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.104 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.153 min

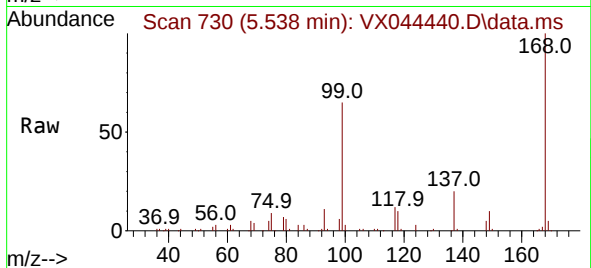
Lab File: VX044440.D

Acq: 20 Dec 2024 10:23

Instrument :

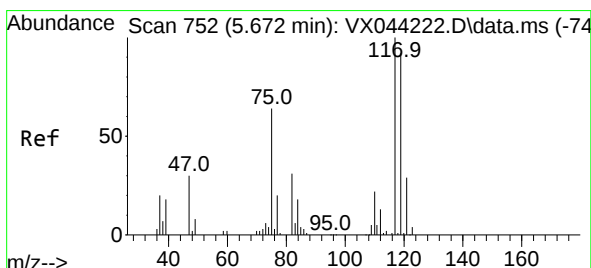
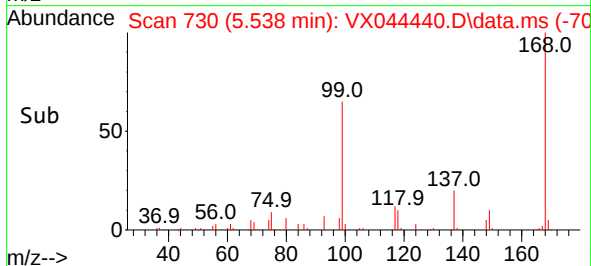
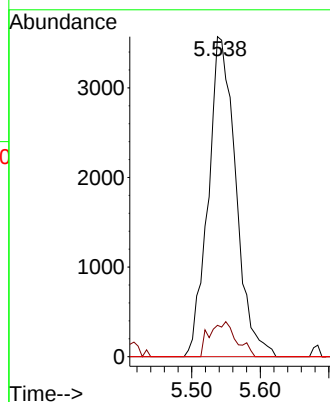
MSVOA\_X

ClientSampleId :



Tgt Ion: 75 Resp: 9981

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 10.6  | 17.3  | 51.7# |
| 77  | 0.0   | 25.4  | 38.0# |



#38

Carbon Tetrachloride

Concen: 6.111 ug/l

RT: 5.538 min Scan# 730

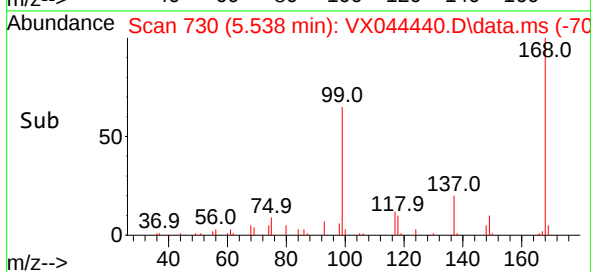
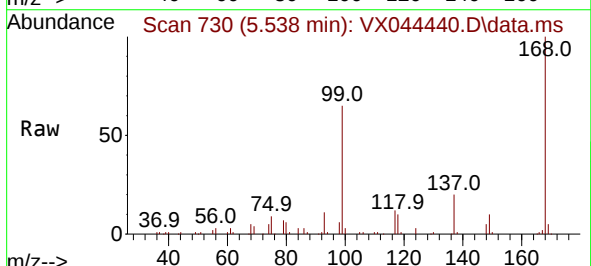
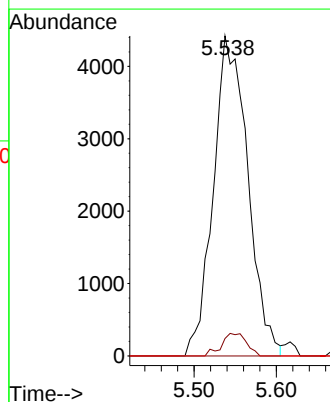
Delta R.T. -0.134 min

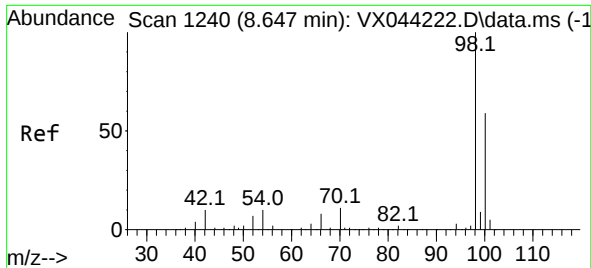
Lab File: VX044440.D

Acq: 20 Dec 2024 10:23

Tgt Ion: 117 Resp: 12865

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 117 | 100   |       |        |
| 119 | 5.4   | 74.2  | 111.4# |
| 121 | 0.0   | 23.0  | 34.6#  |

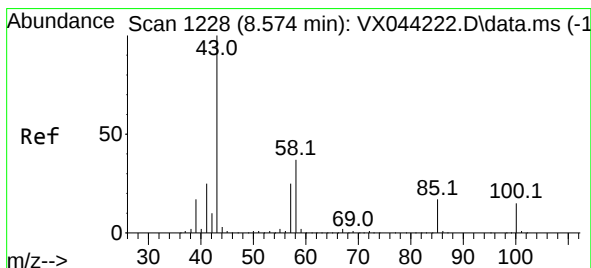
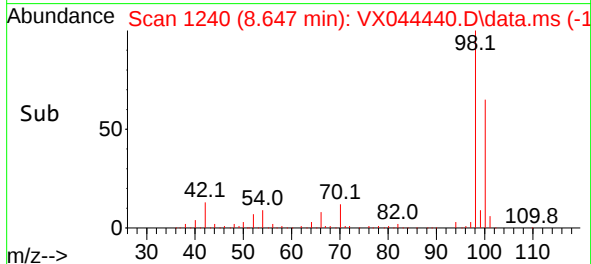
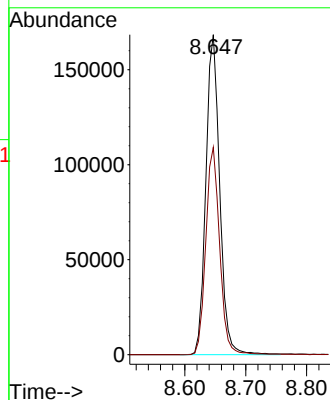
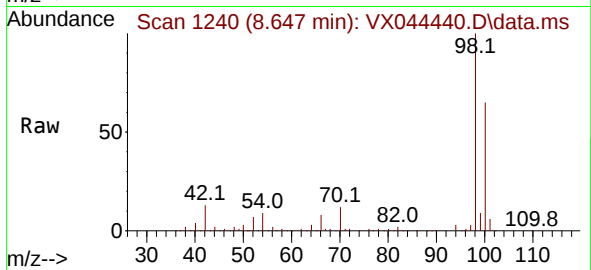




#50  
Toluene-d8  
Concen: 52.050 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

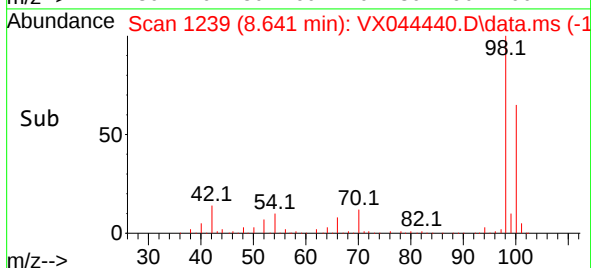
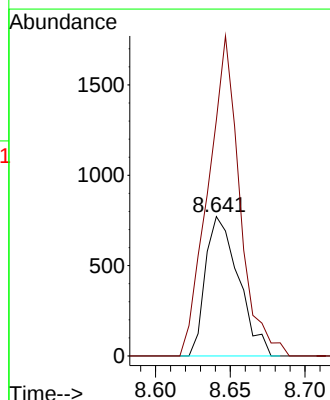
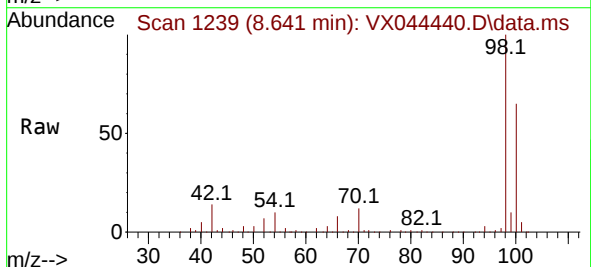
Instrument :  
MSVOA\_X  
ClientSampleId :

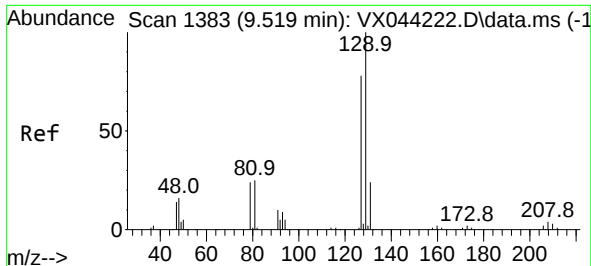
Tgt Ion: 98 Resp: 265638  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.5 77.3



#51  
4-Methyl-2-Pentanone  
Concen: 0.489 ug/l  
RT: 8.641 min Scan# 1239  
Delta R.T. 0.067 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

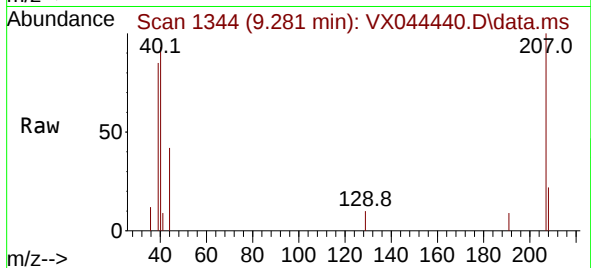
Tgt Ion: 43 Resp: 1189  
Ion Ratio Lower Upper  
43 100  
58 218.5 29.4 44.0#



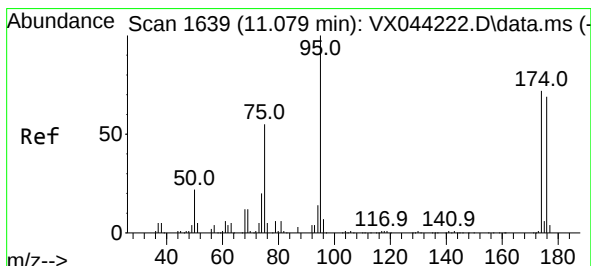
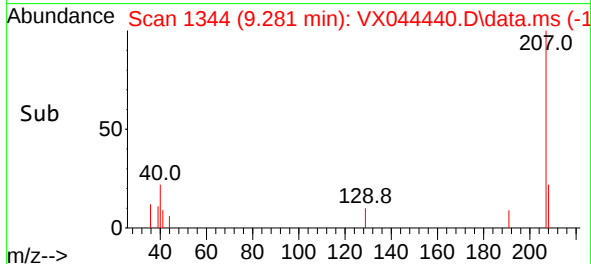
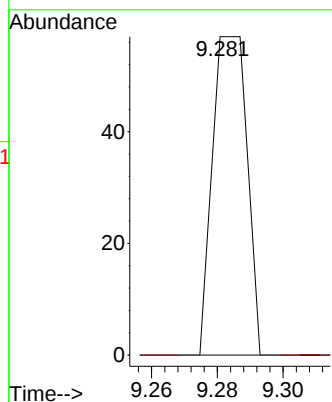


#60  
Dibromochloromethane  
Concen: 1.259 ug/l  
RT: 9.281 min Scan# 11  
Delta R.T. -0.238 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :

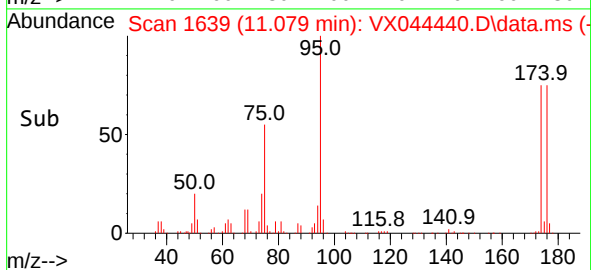
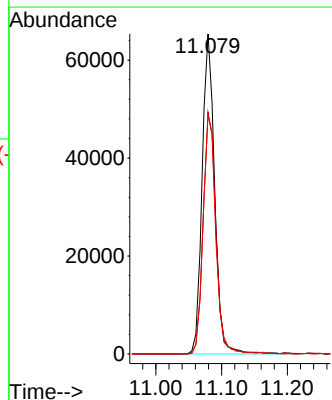
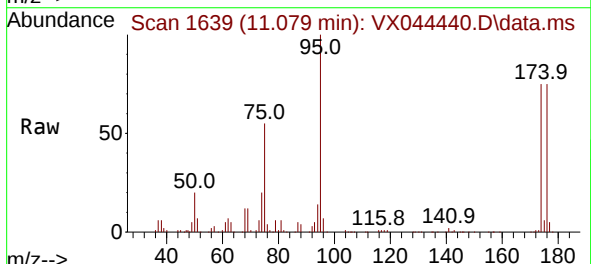


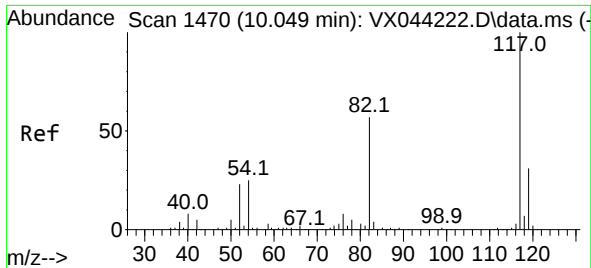
Tgt Ion:129 Resp: 42  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.3#



#62  
4-Bromofluorobenzene  
Concen: 48.393 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

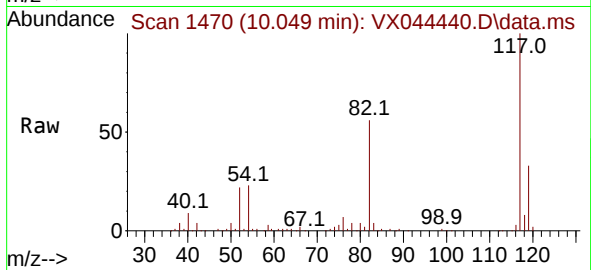
Tgt Ion: 95 Resp: 86300  
Ion Ratio Lower Upper  
95 100  
174 77.9 0.0 145.8  
176 75.4 0.0 137.8



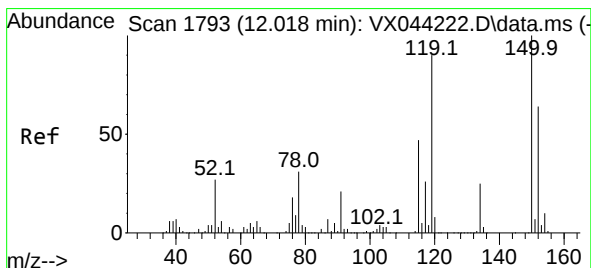
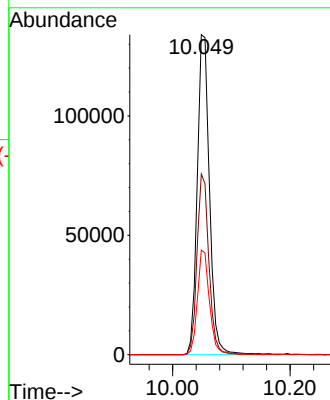
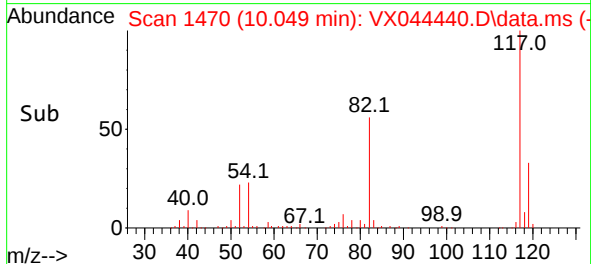


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :

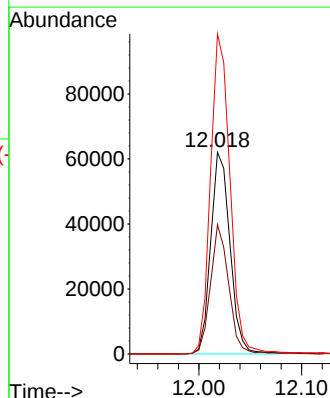
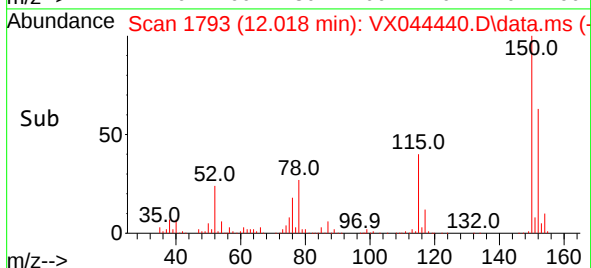
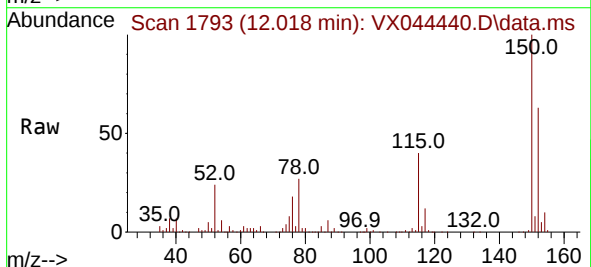


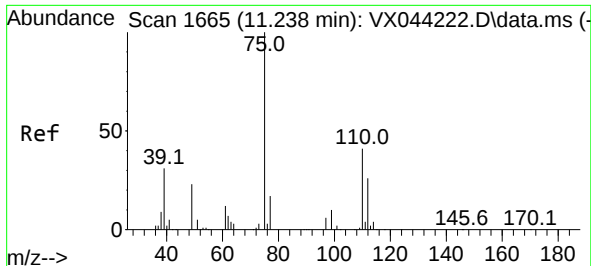
Tgt Ion:117 Resp: 193836  
Ion Ratio Lower Upper  
117 100  
82 56.4 45.8 68.8  
119 32.7 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

Tgt Ion:152 Resp: 81005  
Ion Ratio Lower Upper  
152 100  
115 60.9 44.5 133.3  
150 161.2 0.0 353.8

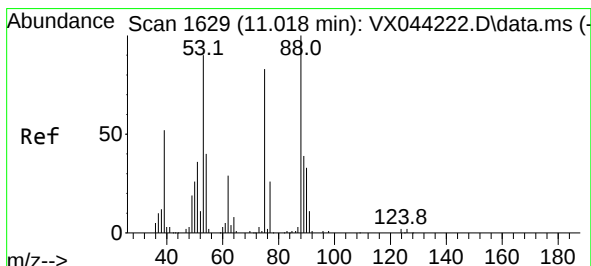
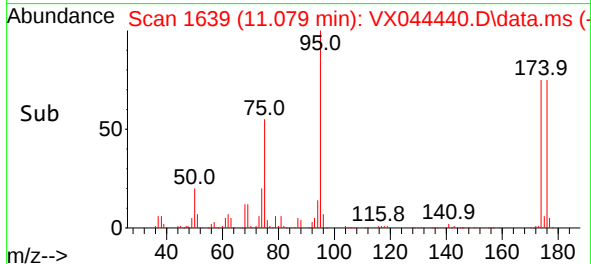
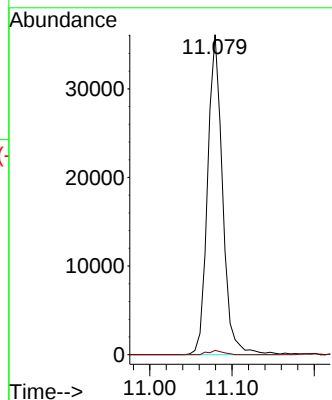
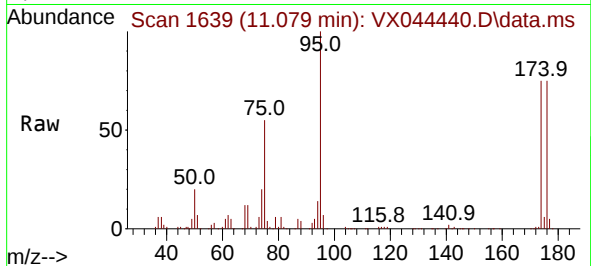




#76  
1,2,3-Trichloropropane  
Concen: 25.212 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 45599  
Ion Ratio Lower Upper  
75 100  
77 1.3 20.9 62.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 69.762 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX044440.D  
Acq: 20 Dec 2024 10:23

Tgt Ion: 75 Resp: 45599  
Ion Ratio Lower Upper  
75 100  
53 0.0 93.6 140.4#  
89 0.0 37.3 55.9#

