

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122324\  
 Data File : VX044471.D  
 Acq On : 23 Dec 2024 11:50  
 Operator : JC/MD  
 Sample : P5317-11 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 23 21:53:53 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  | 165083   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 285250   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 241914   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 104920   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.946  | 65    | 115024   | 39.740   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 79.480%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 91681    | 46.406   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 92.820%  |
| 50) Toluene-d8              | 8.641  | 98    | 339844   | 50.988   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 101.980% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 108365   | 46.529   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 93.060%  |

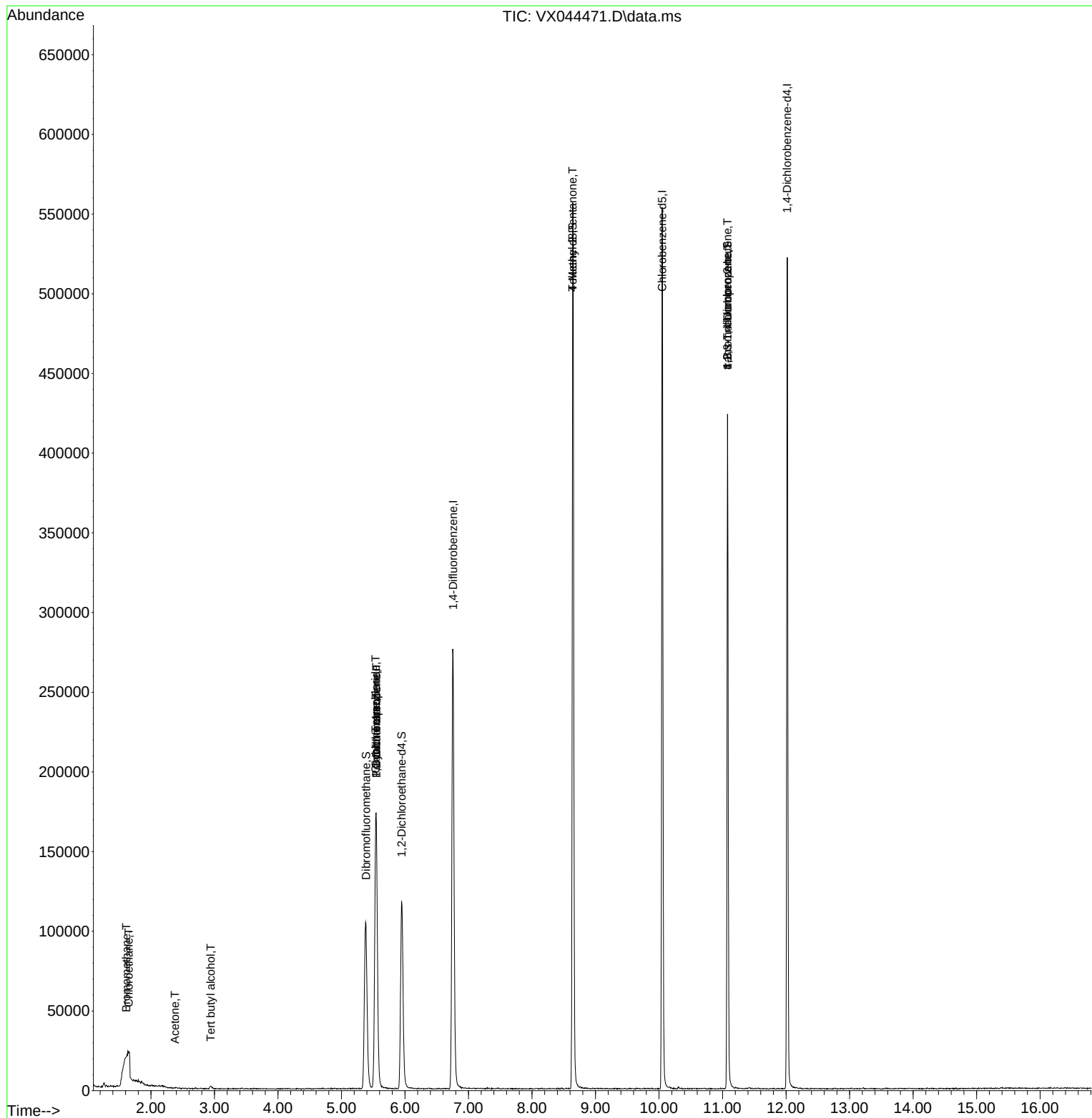
| Target Compounds              |        |     |       |        | Qvalue |    |
|-------------------------------|--------|-----|-------|--------|--------|----|
| 5) Bromomethane               | 1.611  | 94  | 508   | 0.282  | ug/l # | 64 |
| 6) Chloroethane               | 1.648  | 64  | 337   | 0.213  | ug/l # | 85 |
| 11) Tert butyl alcohol        | 2.941  | 59  | 679   | 1.664  | ug/l # | 71 |
| 16) Acetone                   | 2.380  | 43  | 383   | 0.325  | ug/l # | 48 |
| 31) Cyclohexane               | 5.544  | 56  | 3894  | 1.246  | ug/l # | 34 |
| 36) 1,1-Dichloropropene       | 5.550  | 75  | 14055 | 5.504  | ug/l # | 50 |
| 38) Carbon Tetrachloride      | 5.538  | 117 | 17331 | 6.304  | ug/l # | 19 |
| 51) 4-Methyl-2-Pentanone      | 8.641  | 43  | 1591  | 0.502  | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75  | 57648 | 24.608 | ug/l # | 36 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75  | 57648 | 68.227 | ug/l # | 4  |

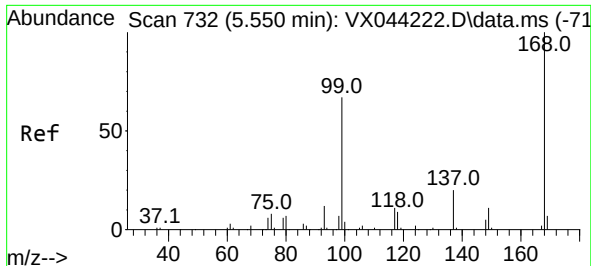
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122324\  
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Sample : P5317-11 50X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Dec 23 21:53:53 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

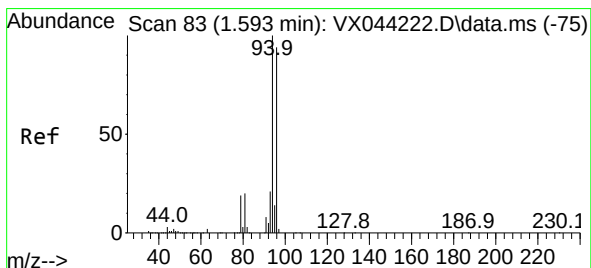
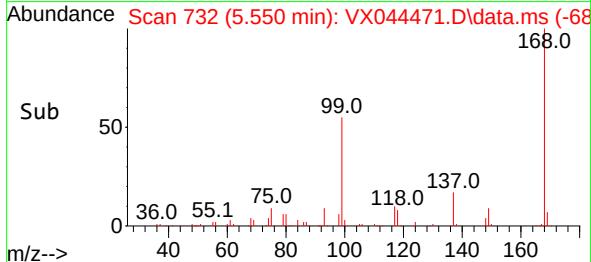
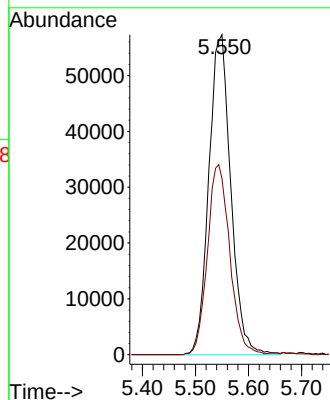
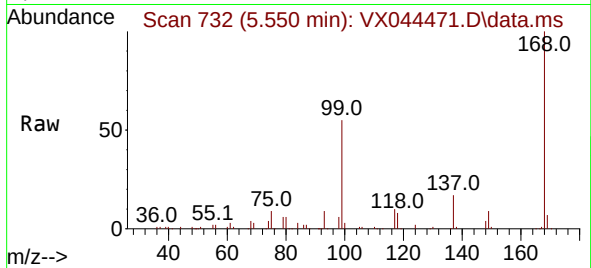




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX044471.D  
Acq: 23 Dec 2024 11:50

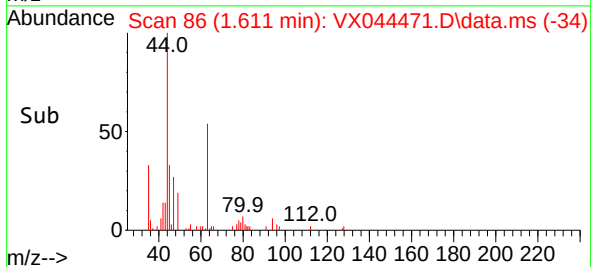
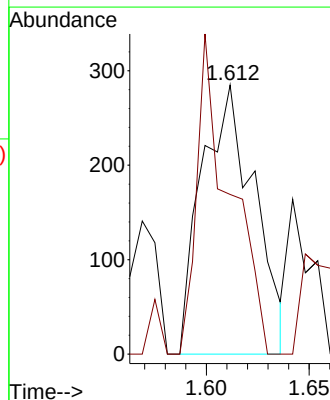
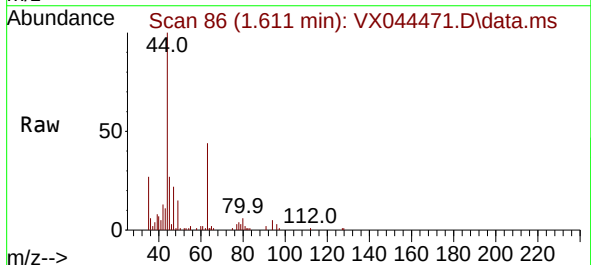
Instrument :  
MSVOA\_X  
ClientSampleId :

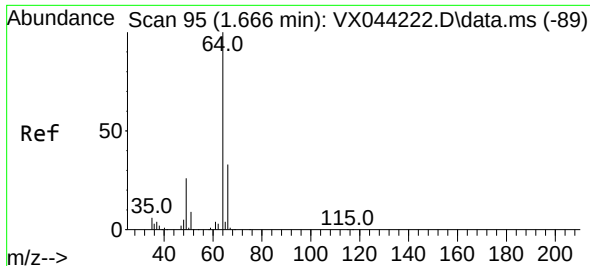
Tgt Ion:168 Resp: 165083  
Ion Ratio Lower Upper  
168 100  
99 55.1 53.4 80.0



#5  
Bromomethane  
Concen: 0.282 ug/l  
RT: 1.611 min Scan# 86  
Delta R.T. 0.018 min  
Lab File: VX044471.D  
Acq: 23 Dec 2024 11:50

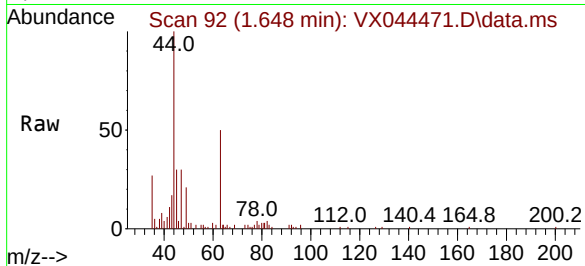
Tgt Ion: 94 Resp: 508  
Ion Ratio Lower Upper  
94 100  
96 59.3 74.9 112.3#



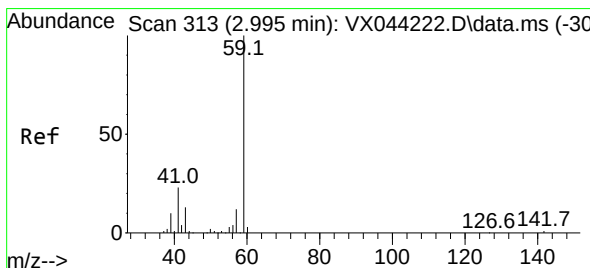
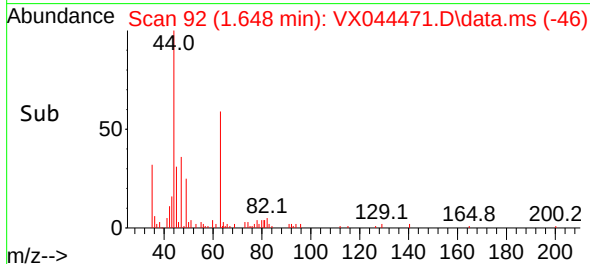
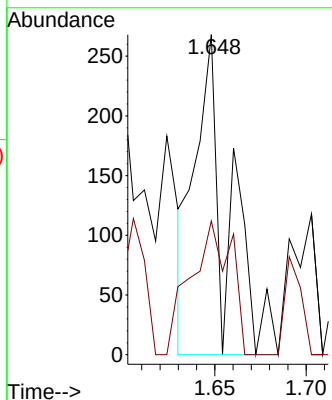


#6  
Chloroethane  
Concen: 0.213 ug/l  
RT: 1.648 min Scan# 91  
Delta R.T. -0.018 min  
Lab File: VX044471.D  
Acq: 23 Dec 2024 11:50

Instrument :  
MSVOA\_X  
ClientSampleId :

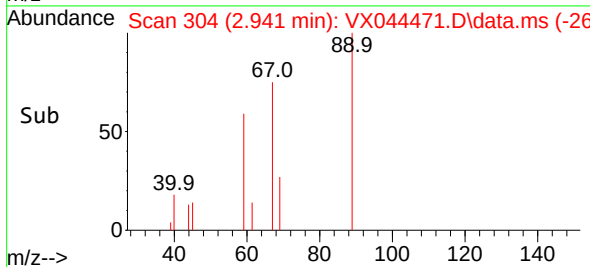
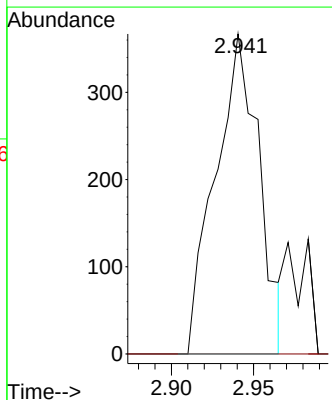
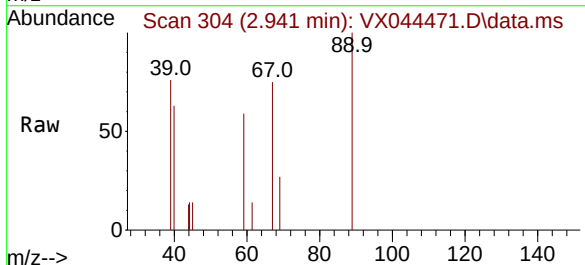


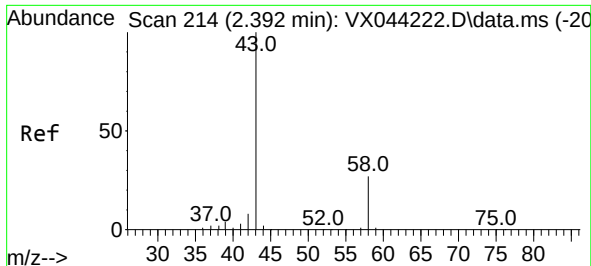
Tgt Ion: 64 Resp: 337  
Ion Ratio Lower Upper  
64 100  
66 41.8 26.6 39.8#



#11  
Tert butyl alcohol  
Concen: 1.664 ug/l  
RT: 2.941 min Scan# 304  
Delta R.T. -0.055 min  
Lab File: VX044471.D  
Acq: 23 Dec 2024 11:50

Tgt Ion: 59 Resp: 679  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.8 13.2#

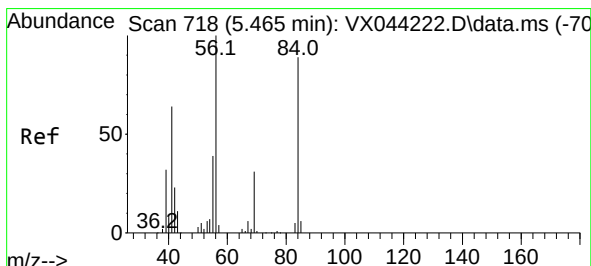
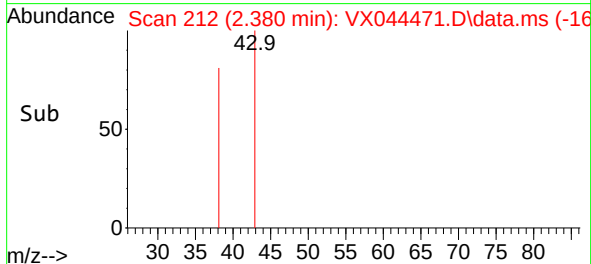
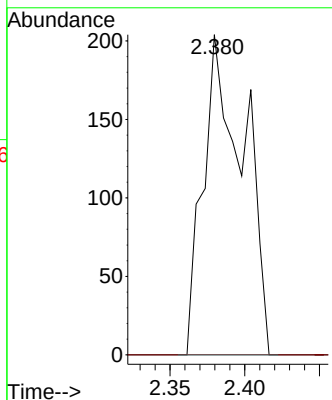
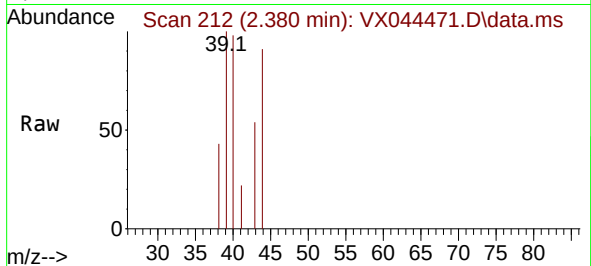




#16  
Acetone  
Concen: 0.325 ug/l  
RT: 2.380 min Scan# 214  
Delta R.T. -0.012 min  
Lab File: VX044471.D  
Acq: 23 Dec 2024 11:50

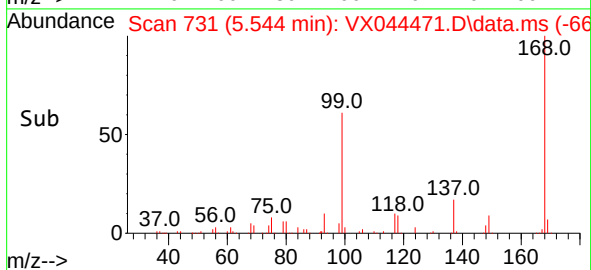
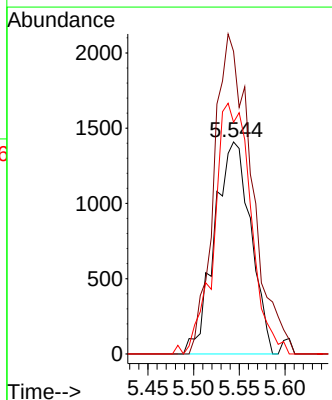
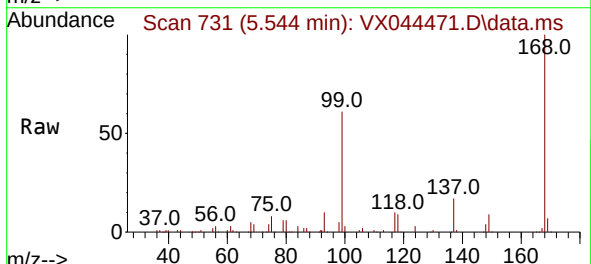
Instrument :  
MSVOA\_X  
ClientSampleId :

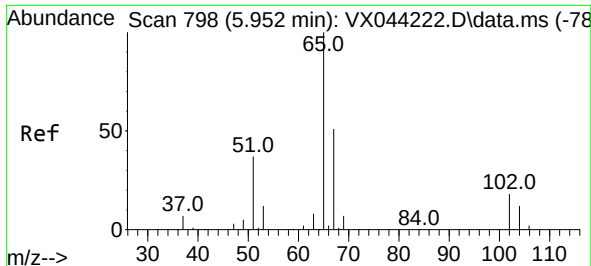
Tgt Ion: 43 Resp: 383  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.6 32.4#



#31  
Cyclohexane  
Concen: 1.246 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.079 min  
Lab File: VX044471.D  
Acq: 23 Dec 2024 11:50

Tgt Ion: 56 Resp: 3894  
Ion Ratio Lower Upper  
56 100  
69 142.8 24.7 37.1#  
84 105.3 71.0 106.6





#33

1,2-Dichloroethane-d4

Concen: 39.740 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044471.D

Acq: 23 Dec 2024 11:50

Instrument :

MSVOA\_X

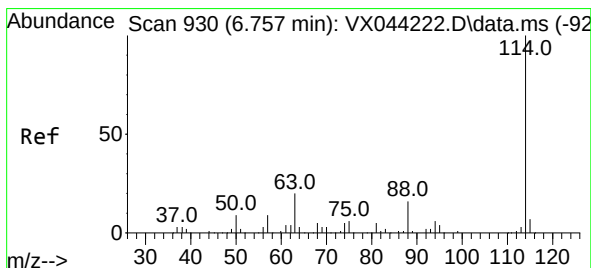
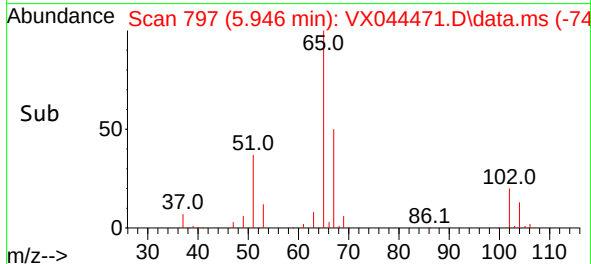
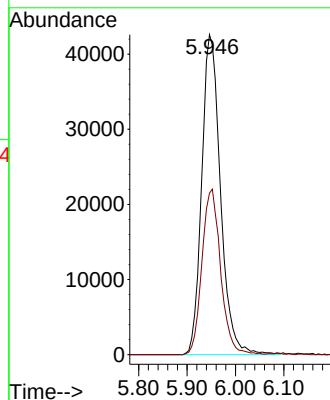
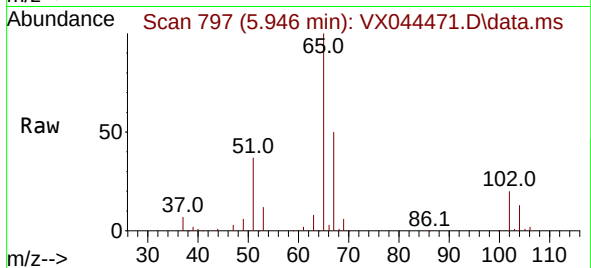
ClientSampleId :

Tgt Ion: 65 Resp: 115024

Ion Ratio Lower Upper

65 100

67 51.5 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044471.D

Acq: 23 Dec 2024 11:50

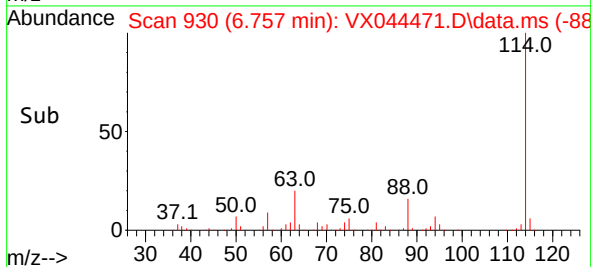
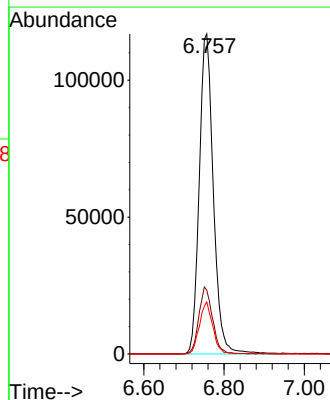
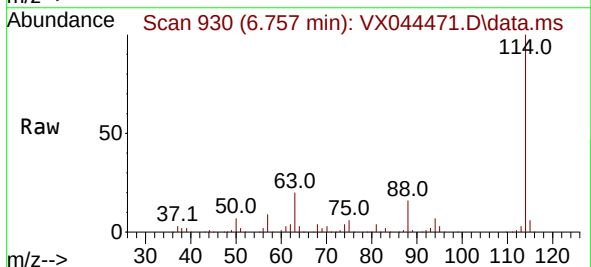
Tgt Ion: 114 Resp: 285250

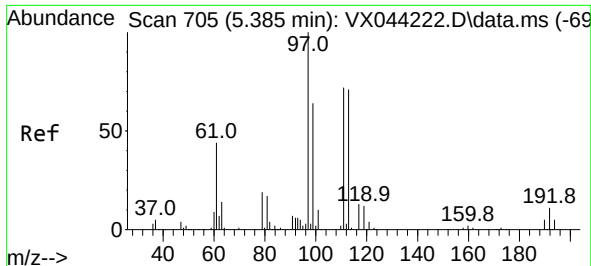
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.6

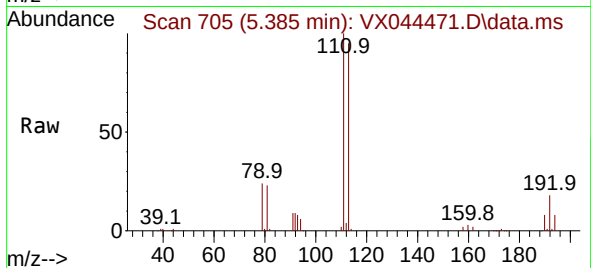
88 16.2 0.0 31.8



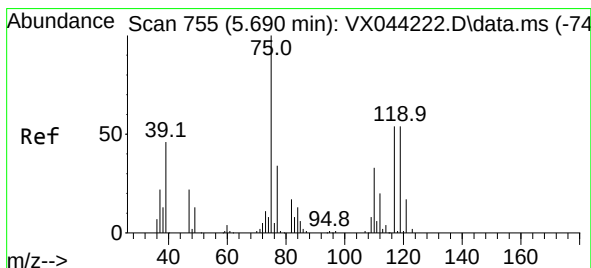
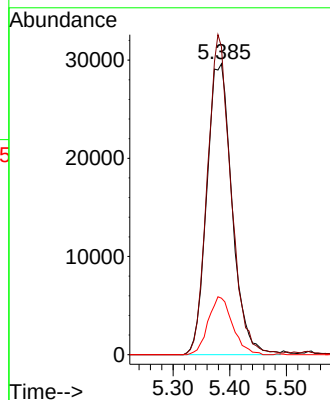
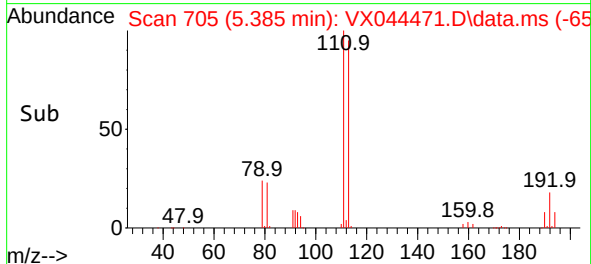


#35  
Dibromofluoromethane  
Concen: 46.406 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX044471.D  
Acq: 23 Dec 2024 11:50

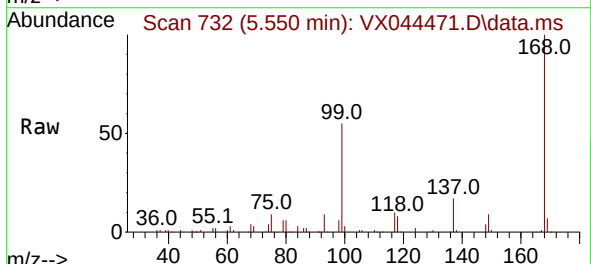
Instrument :  
MSVOA\_X  
ClientSampleId :



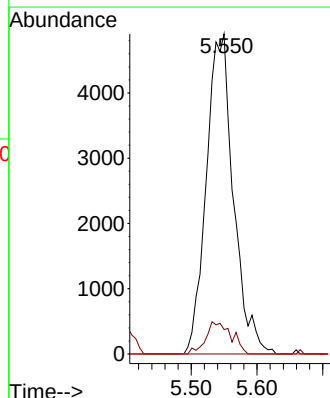
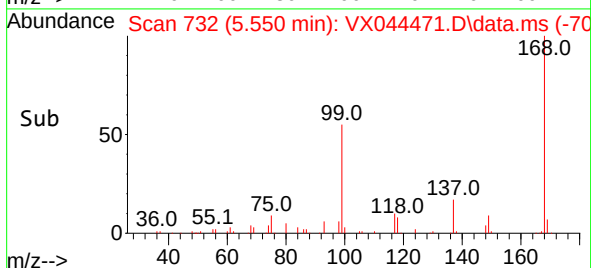
Tgt Ion:113 Resp: 91681  
Ion Ratio Lower Upper  
113 100  
111 102.7 80.4 120.6  
192 19.1 13.3 19.9

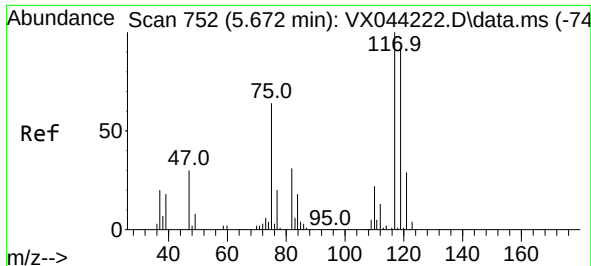


#36  
1,1-Dichloropropene  
Concen: 5.504 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX044471.D  
Acq: 23 Dec 2024 11:50



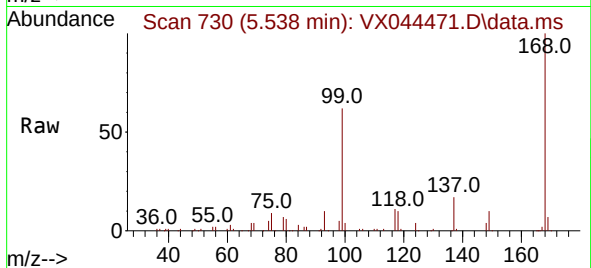
Tgt Ion: 75 Resp: 14055  
Ion Ratio Lower Upper  
75 100  
110 9.4 17.3 51.7#  
77 0.0 25.4 38.0#



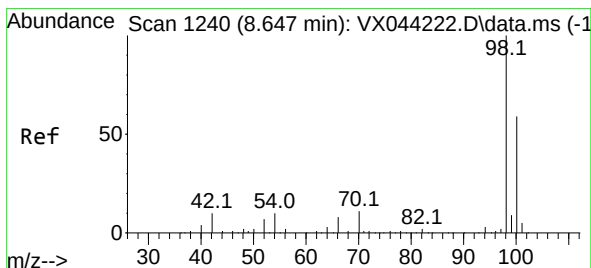
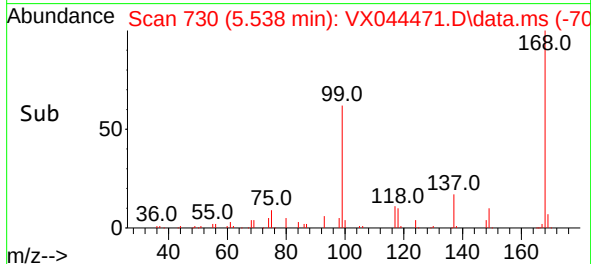
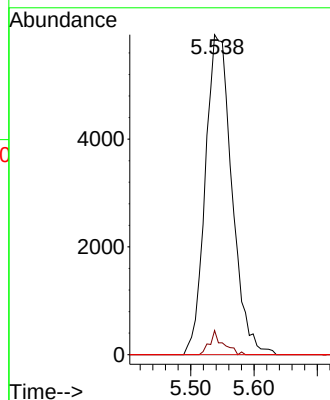


#38  
Carbon Tetrachloride  
Concen: 6.304 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX044471.D  
Acq: 23 Dec 2024 11:50

Instrument :  
MSVOA\_X  
ClientSampleId :

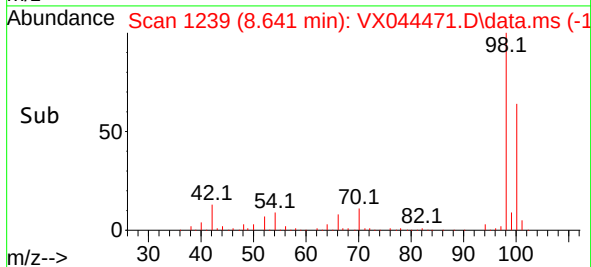
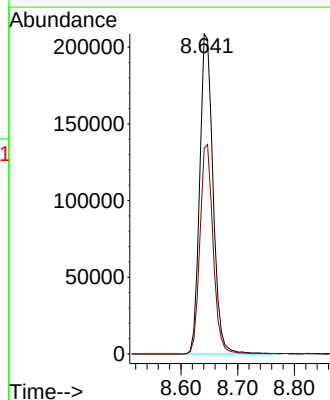
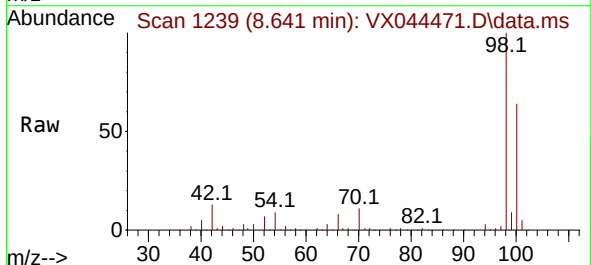


Tgt Ion:117 Resp: 17331  
Ion Ratio Lower Upper  
117 100  
119 7.6 74.2 111.4#  
121 0.0 23.0 34.6#

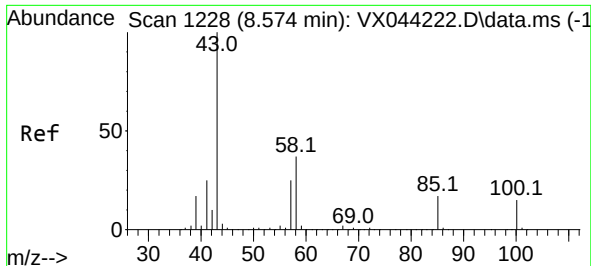


#50  
Toluene-d8  
Concen: 50.988 ug/l  
RT: 8.641 min Scan# 1239  
Delta R.T. -0.006 min  
Lab File: VX044471.D  
Acq: 23 Dec 2024 11:50

Tgt Ion: 98 Resp: 339844  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.5 77.3







#51

4-Methyl-2-Pentanone

Concen: 0.502 ug/l

RT: 8.641 min Scan# 1

Delta R.T. 0.067 min

Lab File: VX044471.D

Acq: 23 Dec 2024 11:50

Instrument :

MSVOA\_X

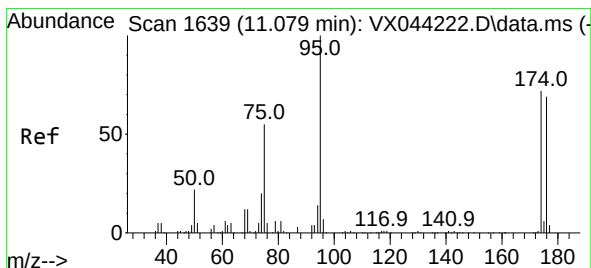
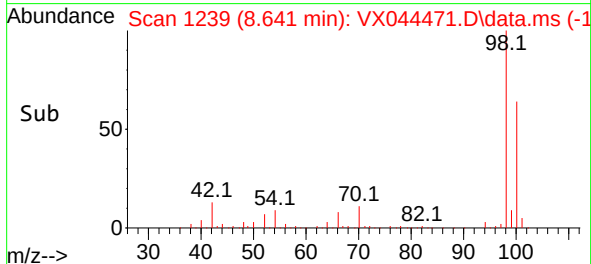
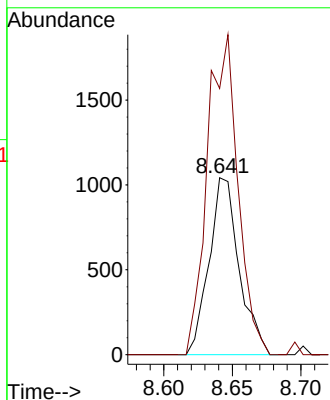
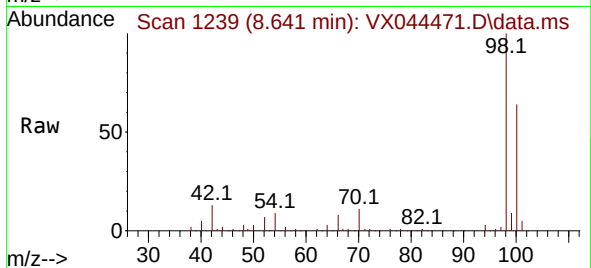
ClientSampleId :

Tgt Ion: 43 Resp: 1591

Ion Ratio Lower Upper

43 100

58 184.4 29.4 44.0#



#62

4-Bromofluorobenzene

Concen: 46.529 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044471.D

Acq: 23 Dec 2024 11:50

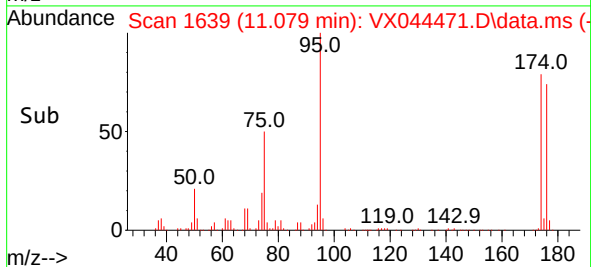
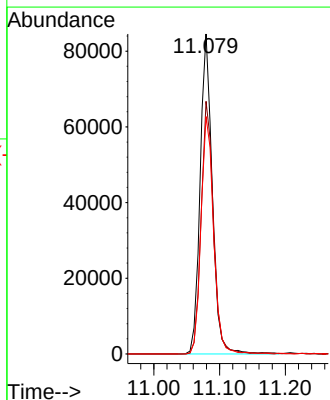
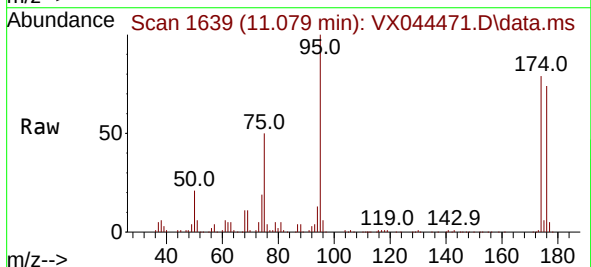
Tgt Ion: 95 Resp: 108365

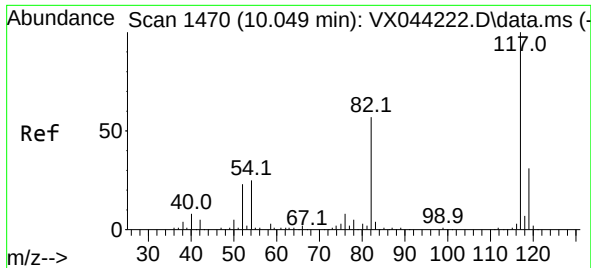
Ion Ratio Lower Upper

95 100

174 80.6 0.0 145.8

176 77.1 0.0 137.8

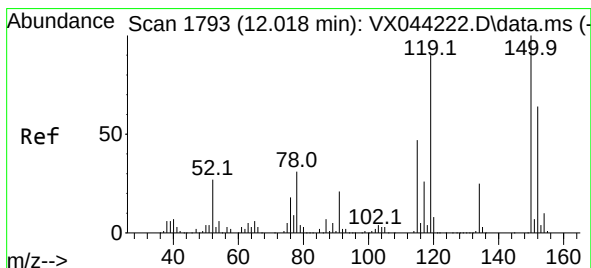
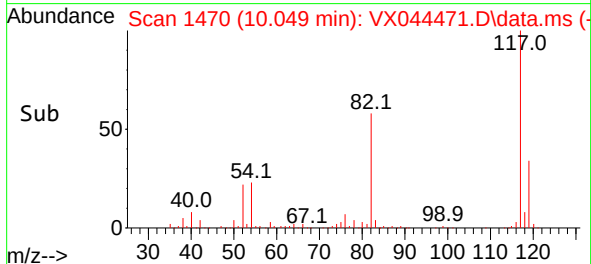
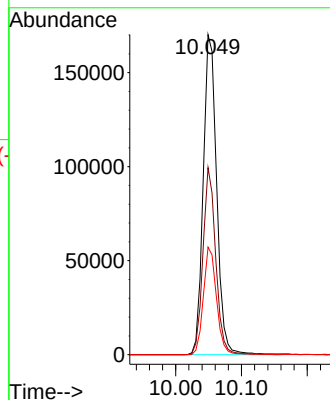
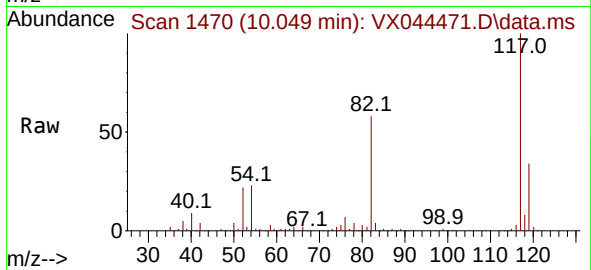




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX044471.D  
Acq: 23 Dec 2024 11:50

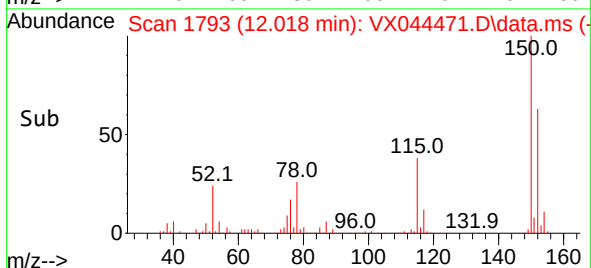
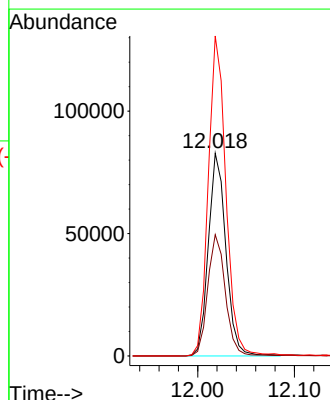
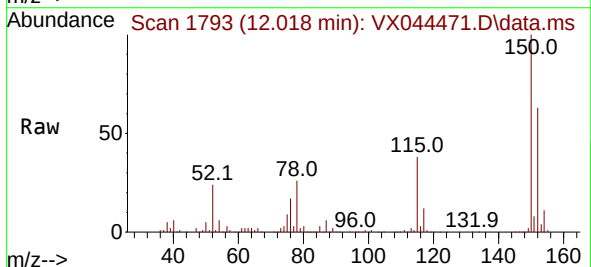
Instrument :  
MSVOA\_X  
ClientSampleId :

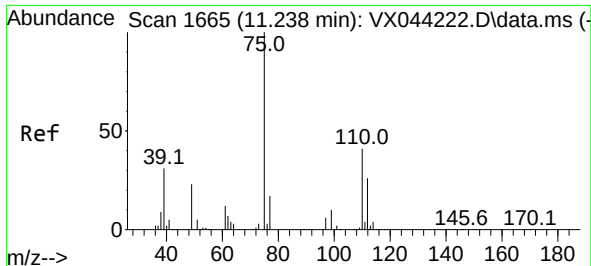
Tgt Ion:117 Resp: 241914  
Ion Ratio Lower Upper  
117 100  
82 58.4 45.8 68.8  
119 33.6 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX044471.D  
Acq: 23 Dec 2024 11:50

Tgt Ion:152 Resp: 104920  
Ion Ratio Lower Upper  
152 100  
115 59.9 44.5 133.3  
150 158.4 0.0 353.8

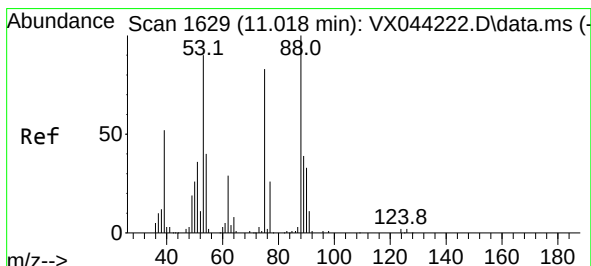
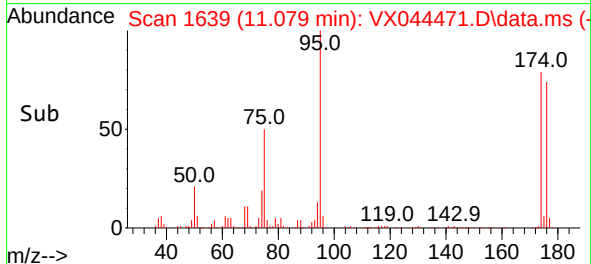
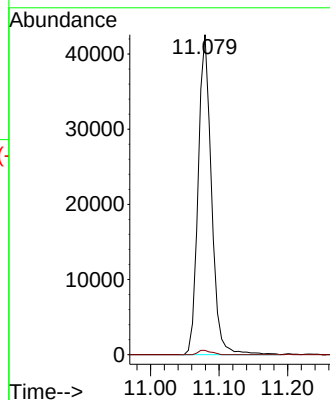
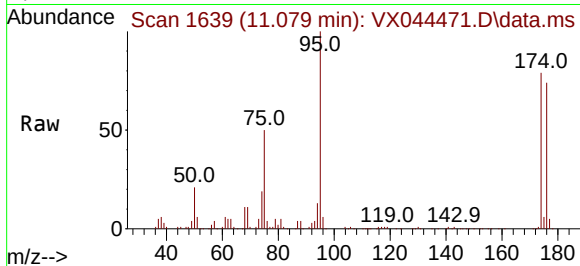




#76  
1,2,3-Trichloropropane  
Concen: 24.608 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX044471.D  
Acq: 23 Dec 2024 11:50

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 57648  
Ion Ratio Lower Upper  
75 100  
77 1.4 20.9 62.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.227 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX044471.D  
Acq: 23 Dec 2024 11:50

Tgt Ion: 75 Resp: 57648  
Ion Ratio Lower Upper  
75 100  
53 0.1 93.6 140.4#  
89 0.1 37.3 55.9#

