

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122024\  
 Data File : VX044454.D  
 Acq On : 20 Dec 2024 15:56  
 Operator : JC/MD  
 Sample : P5314-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 20 18:55:28 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

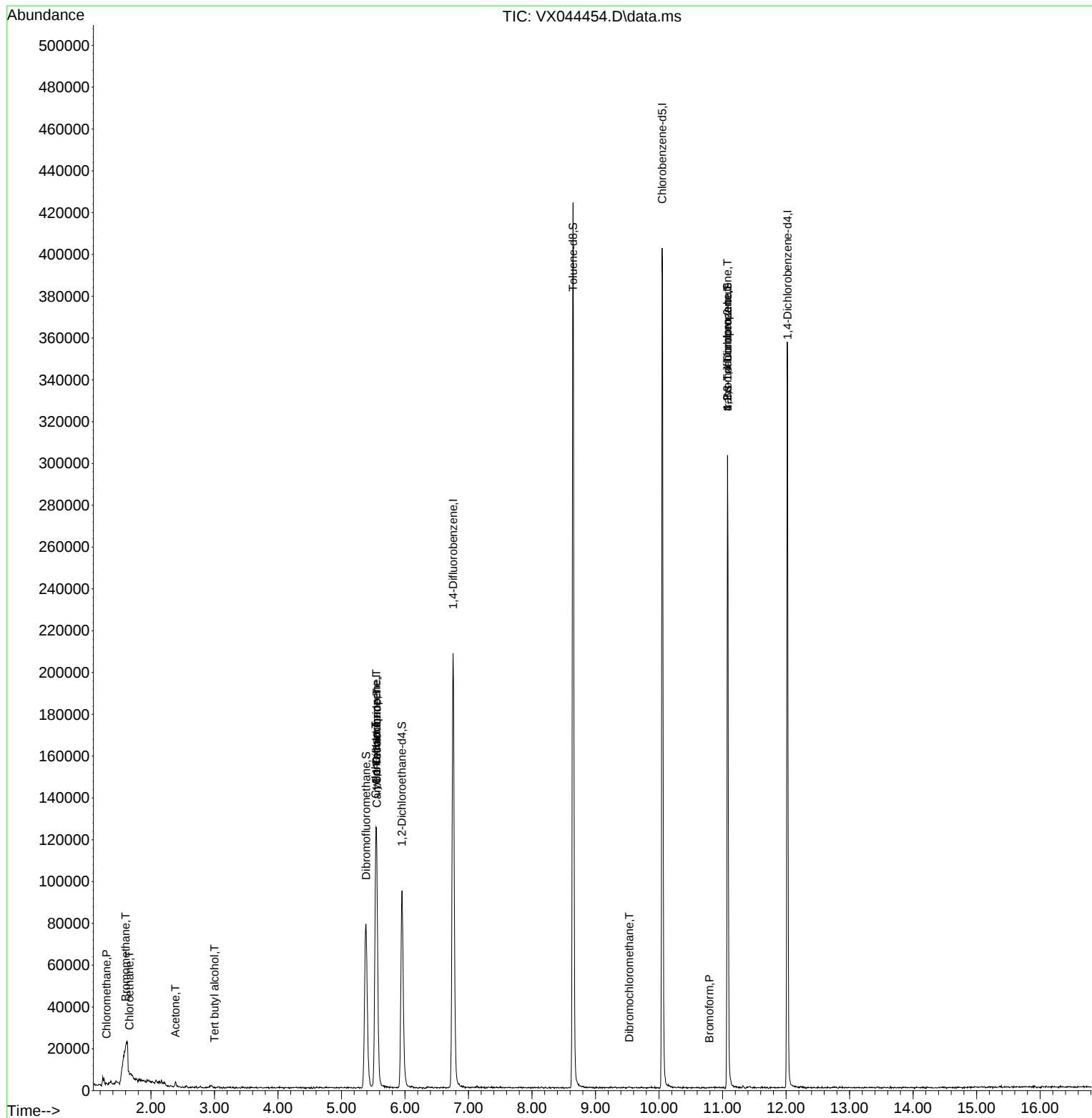
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 120419     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 211996     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.049         | 117  | 183684     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 74241      | 50.000   | ug/l   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 90307      | 42.772   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 85.540%  |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 68667      | 46.767   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 93.540%  |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 250790     | 50.629   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 101.260% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 78660      | 45.445   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = | 90.900%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 3) Chloromethane              | 1.301          | 50   | 728        | 0.409    | ug/l # | 81       |
| 5) Bromomethane               | 1.599          | 94   | 694        | 0.527    | ug/l # | 61       |
| 6) Chloroethane               | 1.660          | 64   | 301        | 0.261    | ug/l # | 41       |
| 11) Tert butyl alcohol        | 3.001          | 59   | 123        | 0.413    | ug/l # | 71       |
| 16) Acetone                   | 2.386          | 43   | 2305       | 2.678    | ug/l   | 93       |
| 31) Cyclohexane               | 5.538          | 56   | 3070       | 1.347    | ug/l # | 37       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 9730       | 5.127    | ug/l # | 53       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 13144      | 6.433    | ug/l # | 16       |
| 60) Dibromochloromethane      | 9.531          | 129  | 162        | 1.340    | ug/l   | 80       |
| 71) Bromoform                 | 10.793         | 173  | 46         | 1.286    | ug/l # | 29       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 42527      | 25.655   | ug/l # | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 42527      | 70.892   | ug/l # | 4        |
| -----                         |                |      |            |          |        |          |

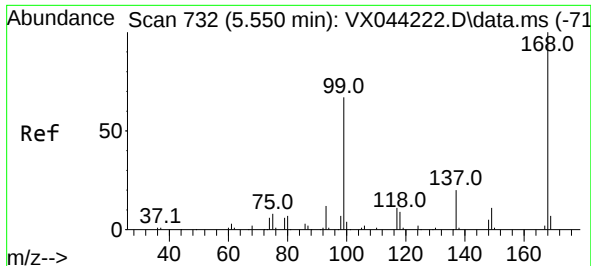
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122024\  
Data File : VX044454.D  
Acq On : 20 Dec 2024 15:56  
Operator : JC/MD  
Sample : P5314-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

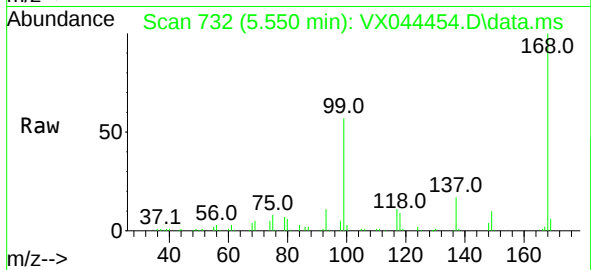
Quant Time: Dec 20 18:55:28 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 12 04:28:14 2024  
Response via : Initial Calibration



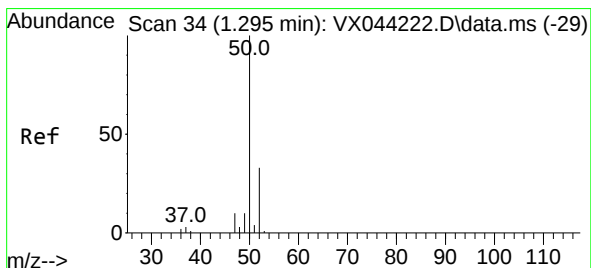
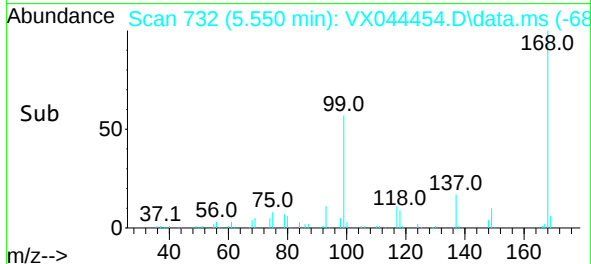
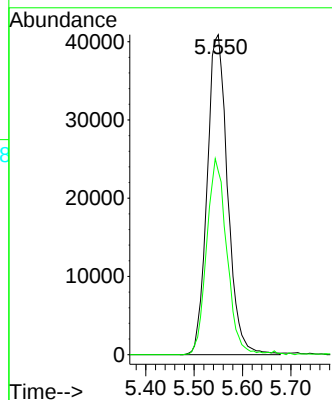


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX044454.D  
Acq: 20 Dec 2024 15:56

Instrument :  
MSVOA\_X  
ClientSampleId :

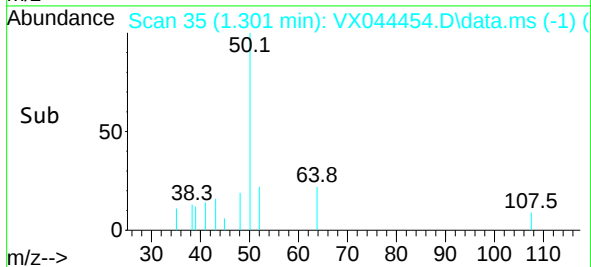
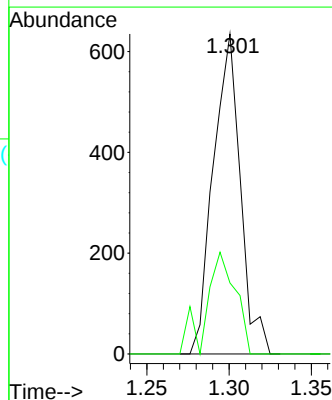
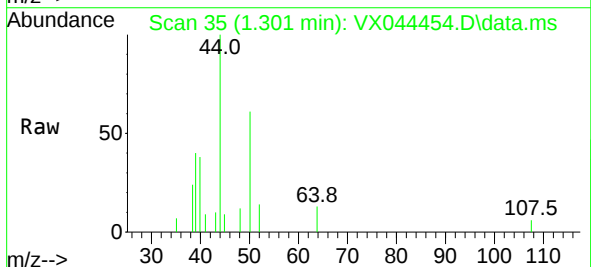


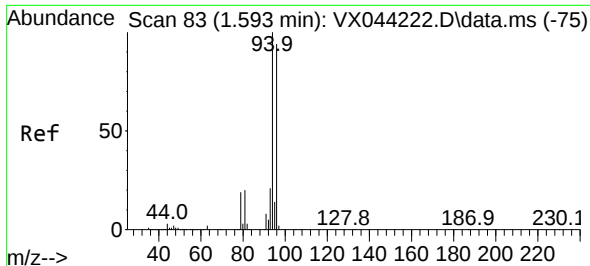
Tgt Ion:168 Resp: 120419  
Ion Ratio Lower Upper  
168 100  
99 57.4 53.4 80.0



#3  
Chloromethane  
Concen: 0.409 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VX044454.D  
Acq: 20 Dec 2024 15:56

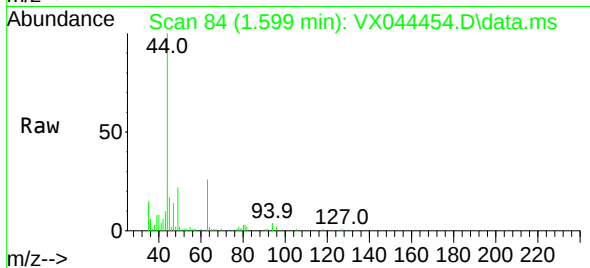
Tgt Ion: 50 Resp: 728  
Ion Ratio Lower Upper  
50 100  
52 22.2 26.5 39.7#



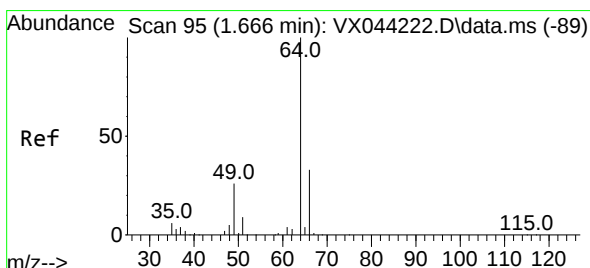
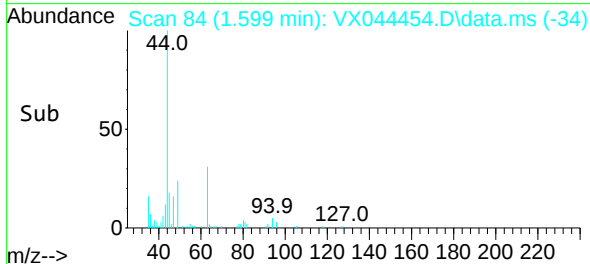
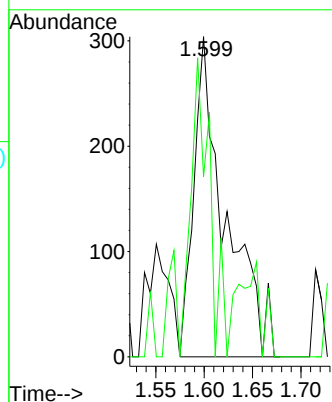


#5  
Bromomethane  
Concen: 0.527 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX044454.D  
Acq: 20 Dec 2024 15:56

Instrument :  
MSVOA\_X  
ClientSampleId :

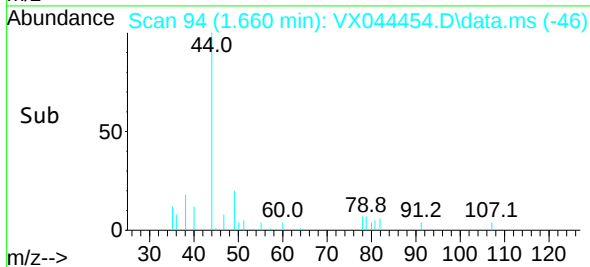
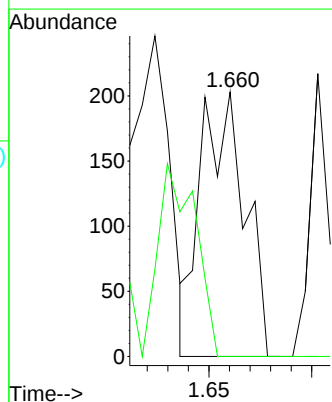
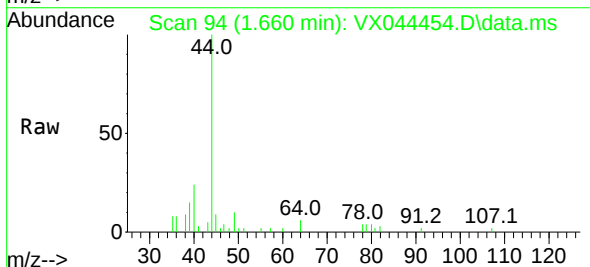


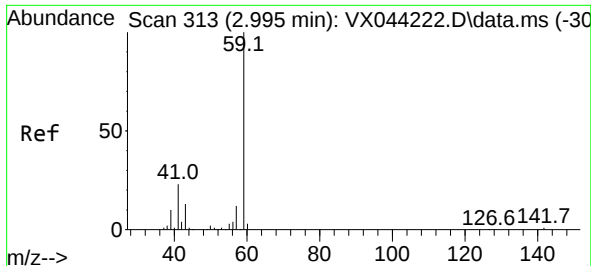
Tgt Ion: 94 Resp: 694  
Ion Ratio Lower Upper  
94 100  
96 56.3 74.9 112.3#



#6  
Chloroethane  
Concen: 0.261 ug/l  
RT: 1.660 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: VX044454.D  
Acq: 20 Dec 2024 15:56

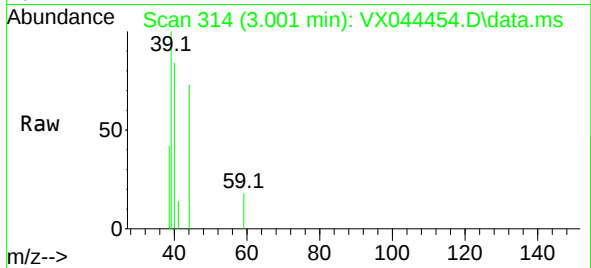
Tgt Ion: 64 Resp: 301  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.6 39.8#



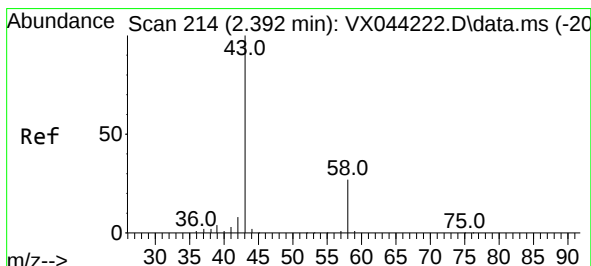
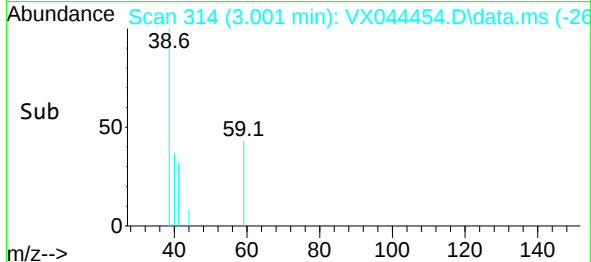
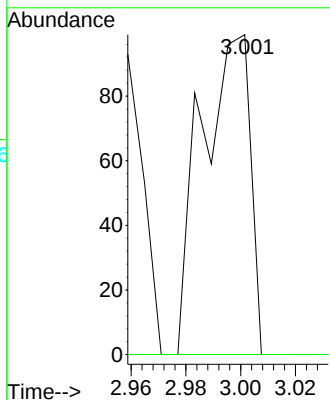


#11  
Tert butyl alcohol  
Concen: 0.413 ug/l  
RT: 3.001 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX044454.D  
Acq: 20 Dec 2024 15:56

Instrument :  
MSVOA\_X  
ClientSampleId :

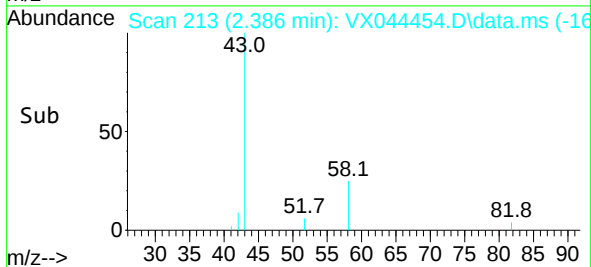
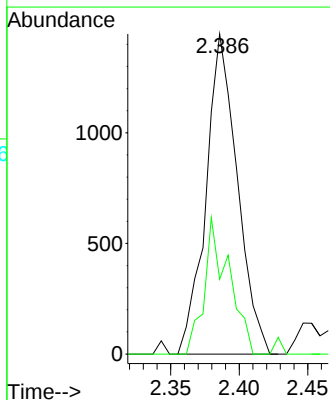
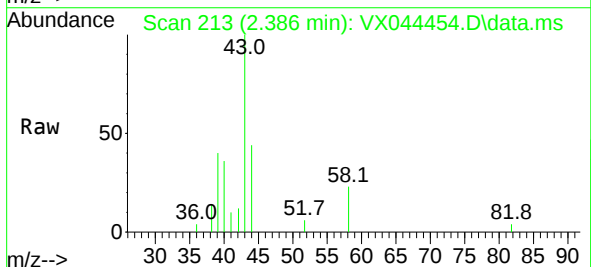


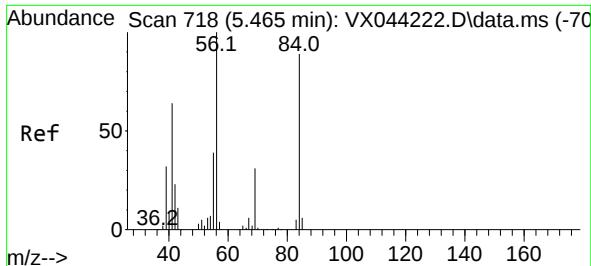
Tgt Ion: 59 Resp: 123  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.8 13.2#



#16  
Acetone  
Concen: 2.678 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX044454.D  
Acq: 20 Dec 2024 15:56

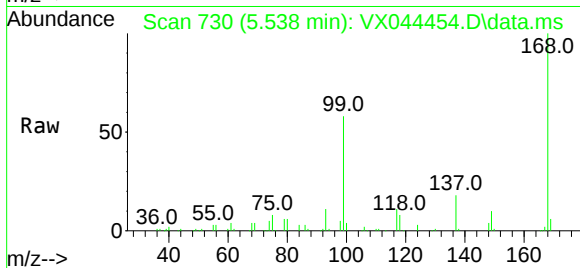
Tgt Ion: 43 Resp: 2305  
Ion Ratio Lower Upper  
43 100  
58 23.4 21.6 32.4



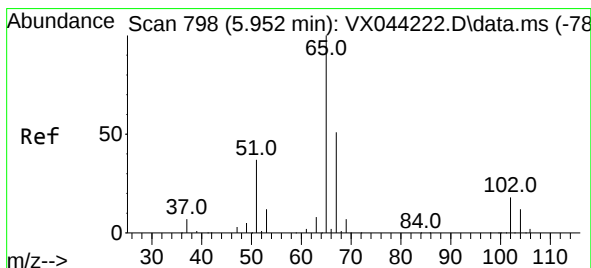
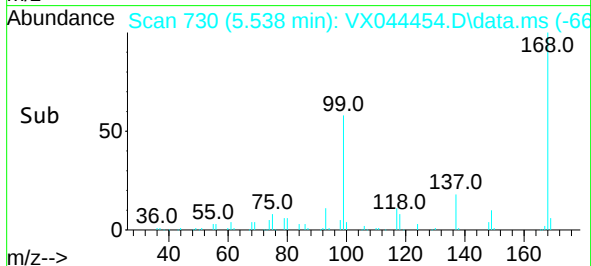
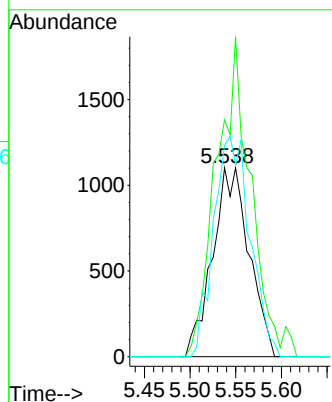


#31  
Cyclohexane  
Concen: 1.347 ug/l  
RT: 5.538 min Scan# 718  
Delta R.T. 0.073 min  
Lab File: VX044454.D  
Acq: 20 Dec 2024 15:56

Instrument :  
MSVOA\_X  
ClientSampleId :

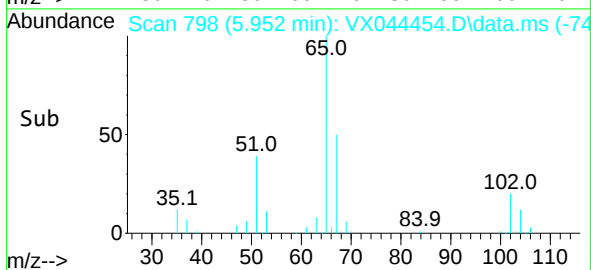
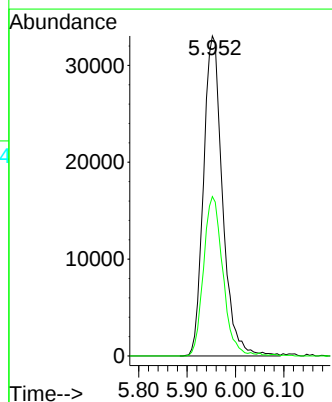
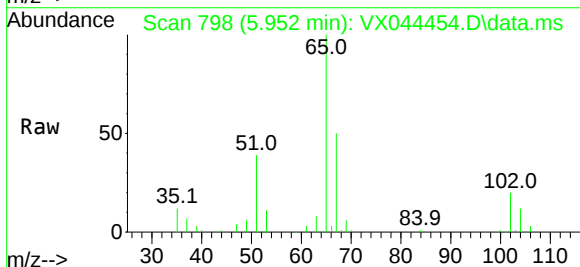


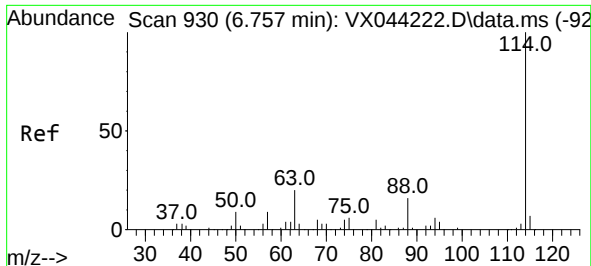
Tgt Ion: 56 Resp: 3070  
Ion Ratio Lower Upper  
56 100  
69 125.4 24.7 37.1#  
84 112.0 71.0 106.6#



#33  
1,2-Dichloroethane-d4  
Concen: 42.772 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX044454.D  
Acq: 20 Dec 2024 15:56

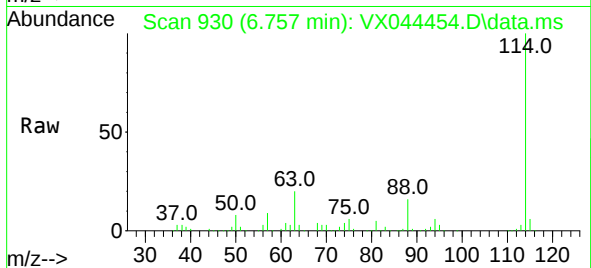
Tgt Ion: 65 Resp: 90307  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 101.6



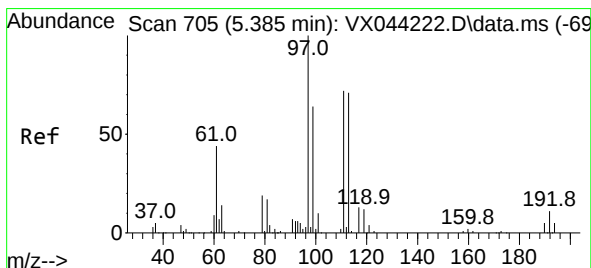
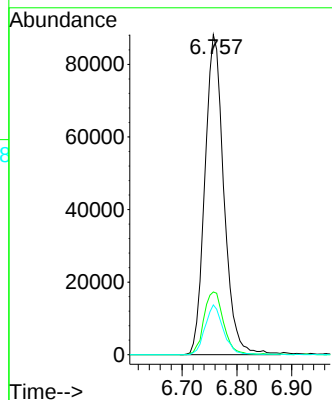
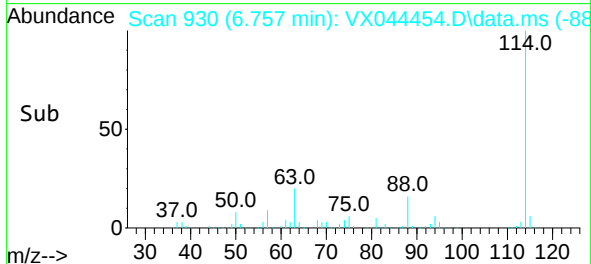


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX044454.D  
Acq: 20 Dec 2024 15:56

Instrument :  
MSVOA\_X  
ClientSampleId :

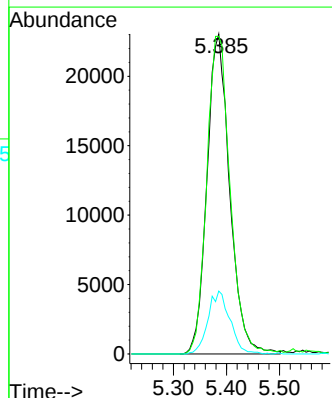
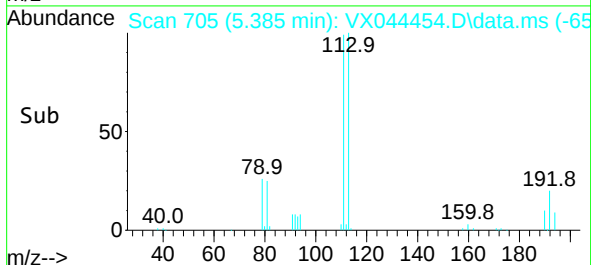
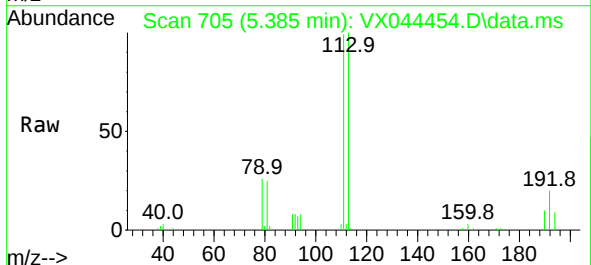


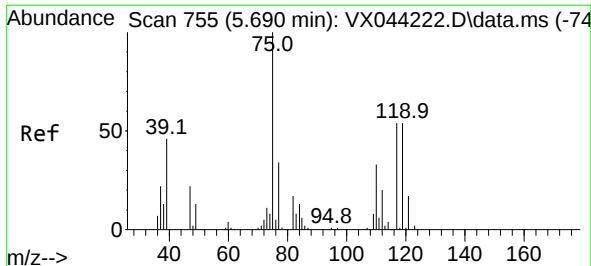
Tgt Ion:114 Resp: 211996  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 40.6  
88 15.5 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 46.767 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX044454.D  
Acq: 20 Dec 2024 15:56

Tgt Ion:113 Resp: 68667  
Ion Ratio Lower Upper  
113 100  
111 102.4 80.4 120.6  
192 19.0 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.127 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

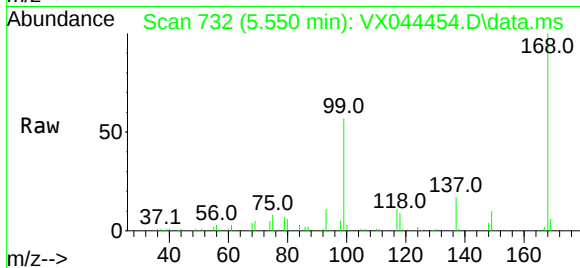
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Acq: 20 Dec 2024 15:56

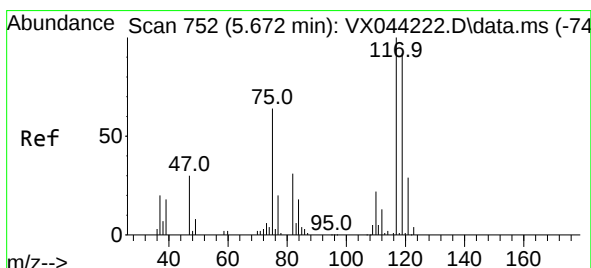
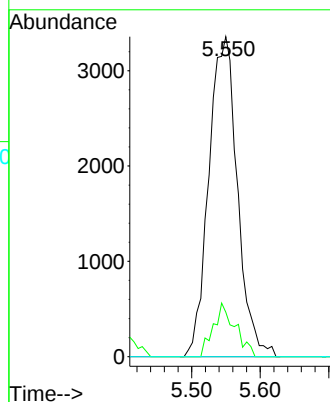
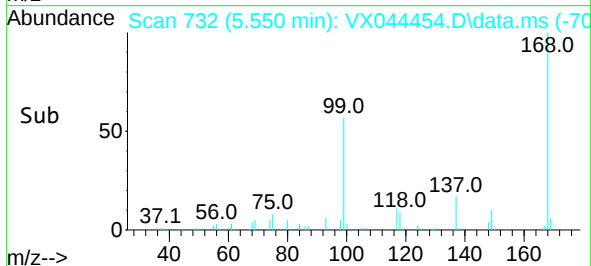
Instrument :

MSVOA\_X

ClientSampleId :



|             |                 |
|-------------|-----------------|
| Tgt Ion: 75 | Resp: 9730      |
| Ion Ratio   | Lower Upper     |
| 75          | 100             |
| 110         | 12.8 17.3 51.7# |
| 77          | 0.0 25.4 38.0#  |



#38

Carbon Tetrachloride

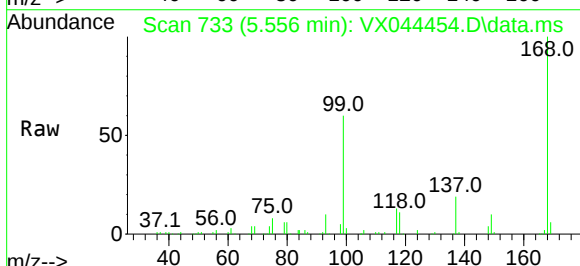
Concen: 6.433 ug/l

RT: 5.556 min Scan# 733

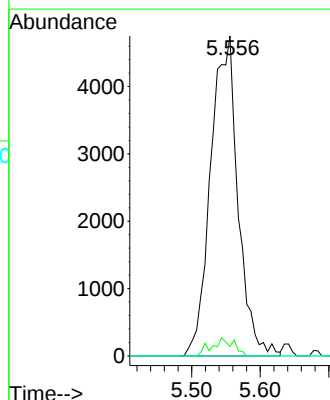
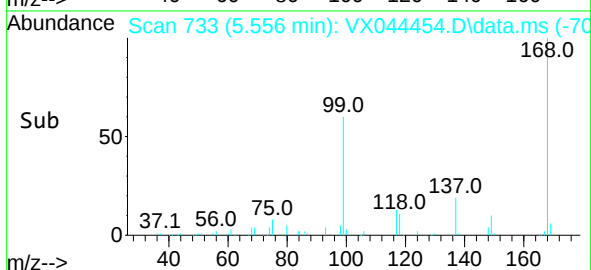
Delta R.T. -0.116 min

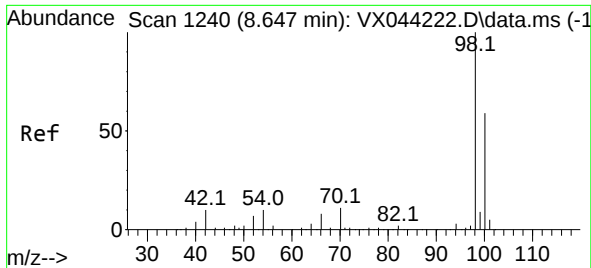
Lab File: VX044454.D

Acq: 20 Dec 2024 15:56



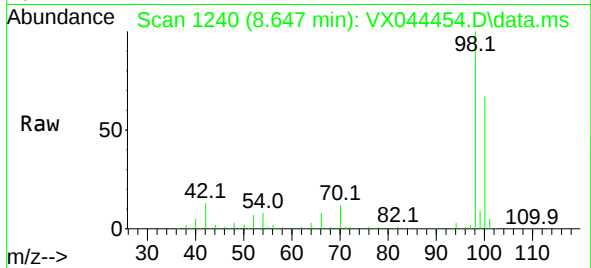
|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 13144     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 3.0 74.2 111.4# |
| 121          | 0.0 23.0 34.6#  |



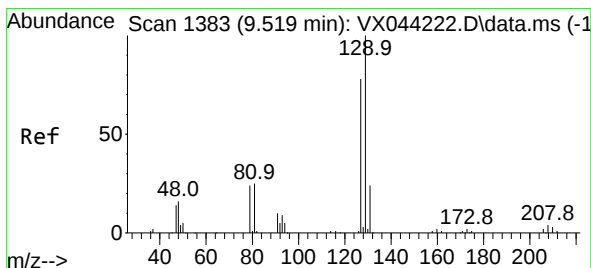
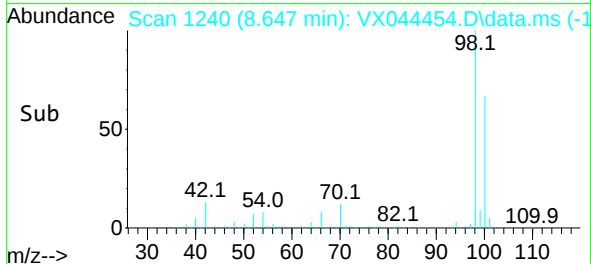
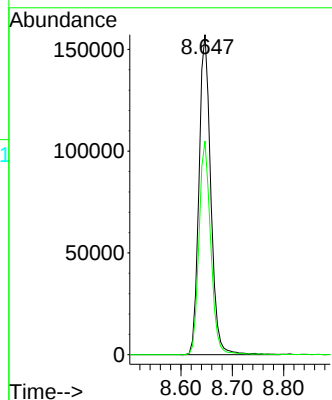


#50  
Toluene-d8  
Concen: 50.629 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX044454.D  
Acq: 20 Dec 2024 15:56

Instrument :  
MSVOA\_X  
ClientSampleId :

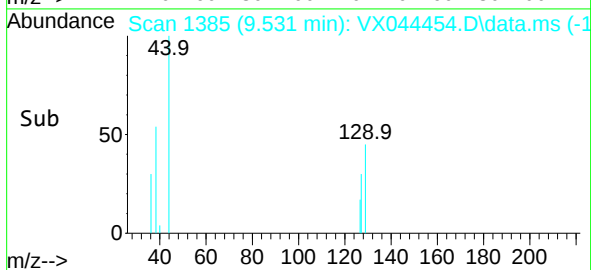
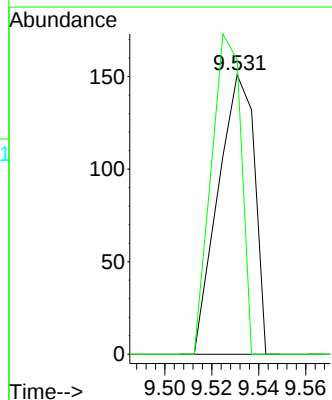
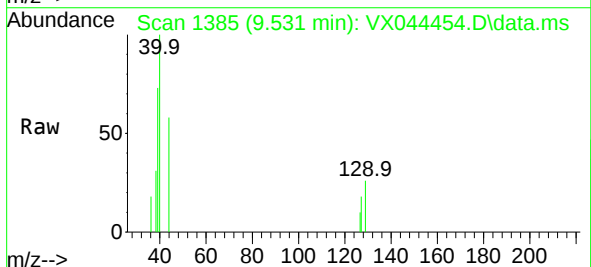


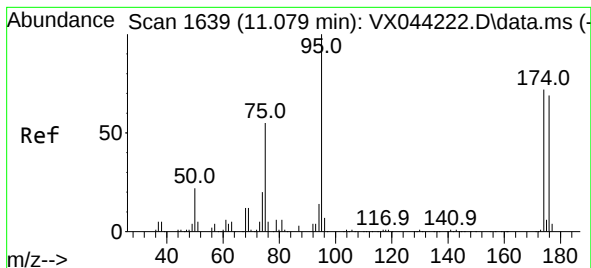
Tgt Ion: 98 Resp: 250790  
Ion Ratio Lower Upper  
98 100  
100 66.2 51.5 77.3



#60  
Dibromochloromethane  
Concen: 1.340 ug/l  
RT: 9.531 min Scan# 1385  
Delta R.T. 0.012 min  
Lab File: VX044454.D  
Acq: 20 Dec 2024 15:56

Tgt Ion:129 Resp: 162  
Ion Ratio Lower Upper  
129 100  
127 93.8 38.5 115.3

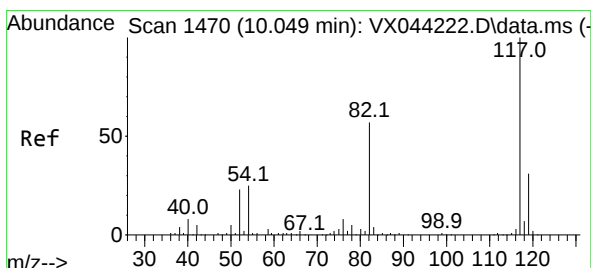
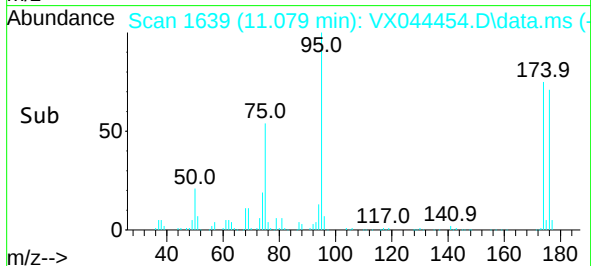
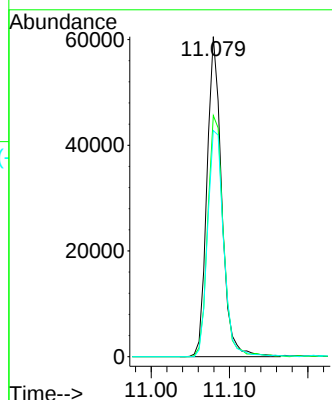
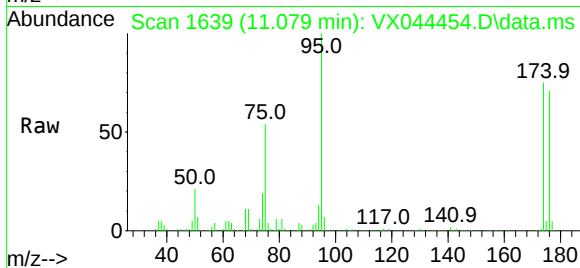




#62  
4-Bromofluorobenzene  
Concen: 45.445 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX044454.D  
Acq: 20 Dec 2024 15:56

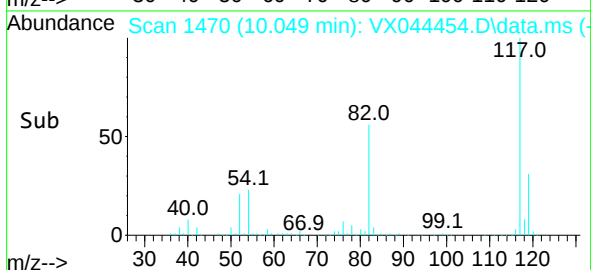
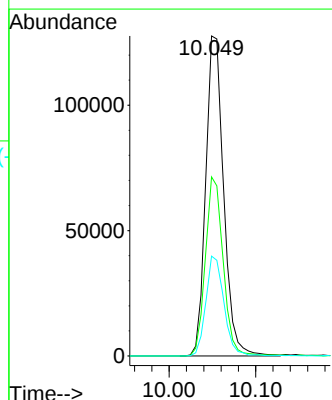
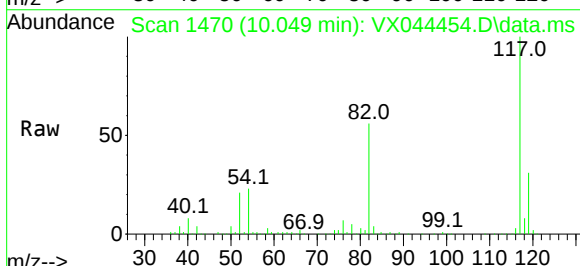
Instrument :  
MSVOA\_X  
ClientSampleId :

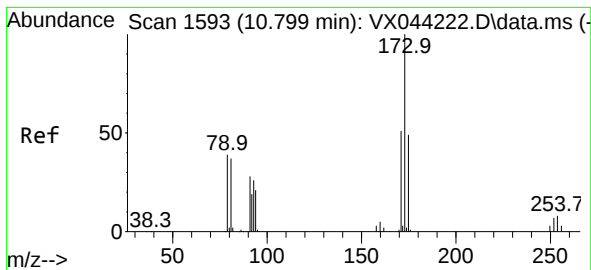
Tgt Ion: 95 Resp: 78660  
Ion Ratio Lower Upper  
95 100  
174 80.3 0.0 145.8  
176 77.1 0.0 137.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX044454.D  
Acq: 20 Dec 2024 15:56

Tgt Ion: 117 Resp: 183684  
Ion Ratio Lower Upper  
117 100  
82 56.0 45.8 68.8  
119 31.2 25.0 37.4





#71

Bromoform

Concen: 1.286 ug/l

RT: 10.793 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX044454.D

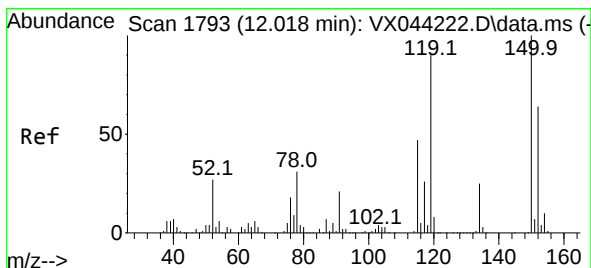
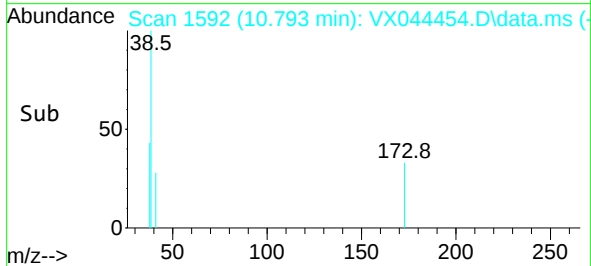
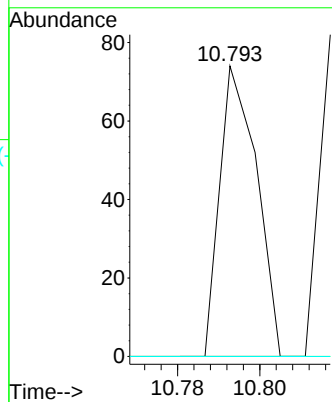
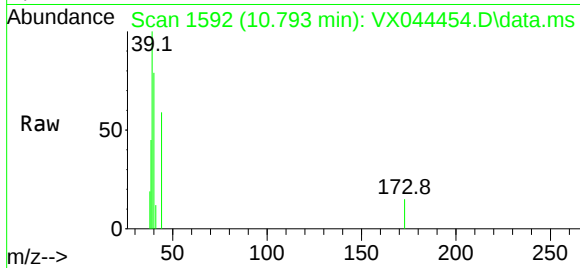
Acq: 20 Dec 2024 15:56

Instrument :

MSVOA\_X

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:173 | Resp: | 46         |
| Ion Ratio   | Lower | Upper      |
| 173         | 100   |            |
| 175         | 0.0   | 23.8 71.4# |
| 254         | 0.0   | 0.0 0.0    |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

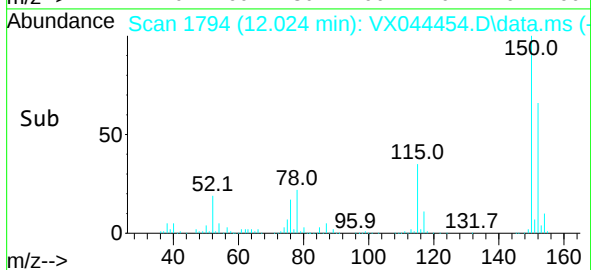
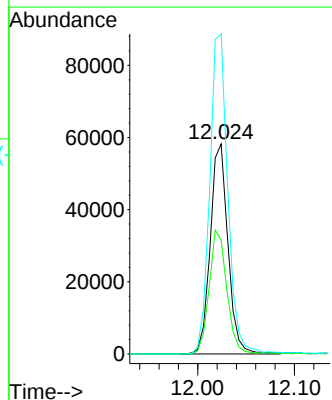
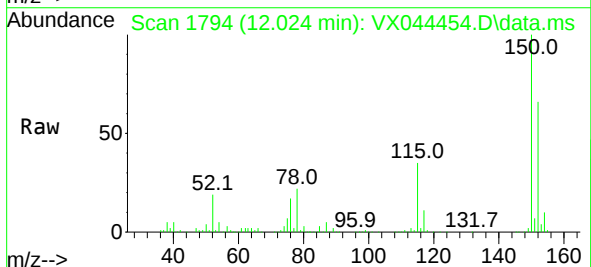
RT: 12.024 min Scan# 1794

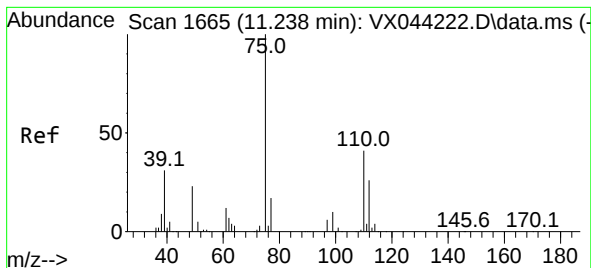
Delta R.T. 0.006 min

Lab File: VX044454.D

Acq: 20 Dec 2024 15:56

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:152 | Resp: | 74241      |
| Ion Ratio   | Lower | Upper      |
| 152         | 100   |            |
| 115         | 59.0  | 44.5 133.3 |
| 150         | 156.3 | 0.0 353.8  |





#76

1,2,3-Trichloropropane

Concen: 25.655 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044454.D

Acq: 20 Dec 2024 15:56

Instrument :

MSVOA\_X

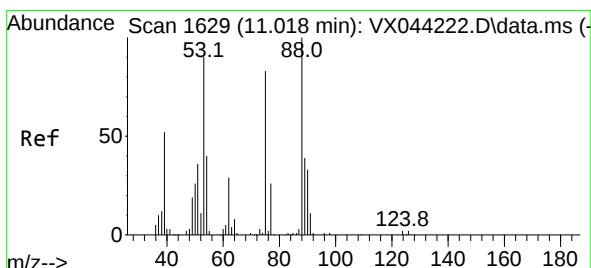
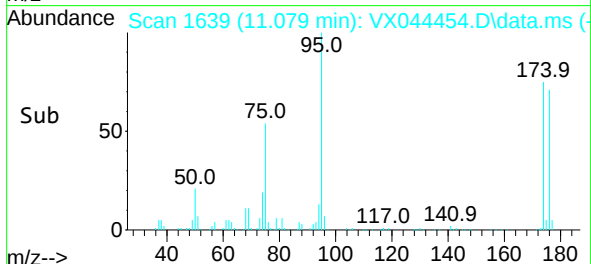
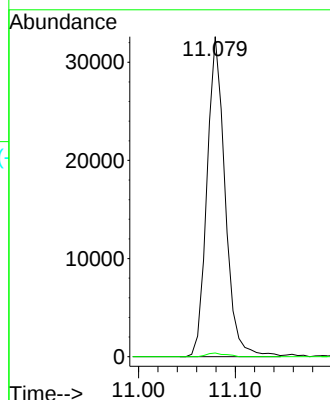
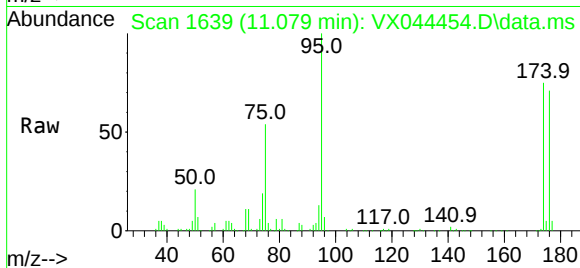
ClientSampleId :

Tgt Ion: 75 Resp: 42527

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.892 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX044454.D

Acq: 20 Dec 2024 15:56

Tgt Ion: 75 Resp: 42527

Ion Ratio Lower Upper

75 100

53 0.0 93.6 140.4#

89 0.1 37.3 55.9#

