

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120424\  
 Data File : VX044115.D  
 Acq On : 04 Dec 2024 14:33  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 05 00:26:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

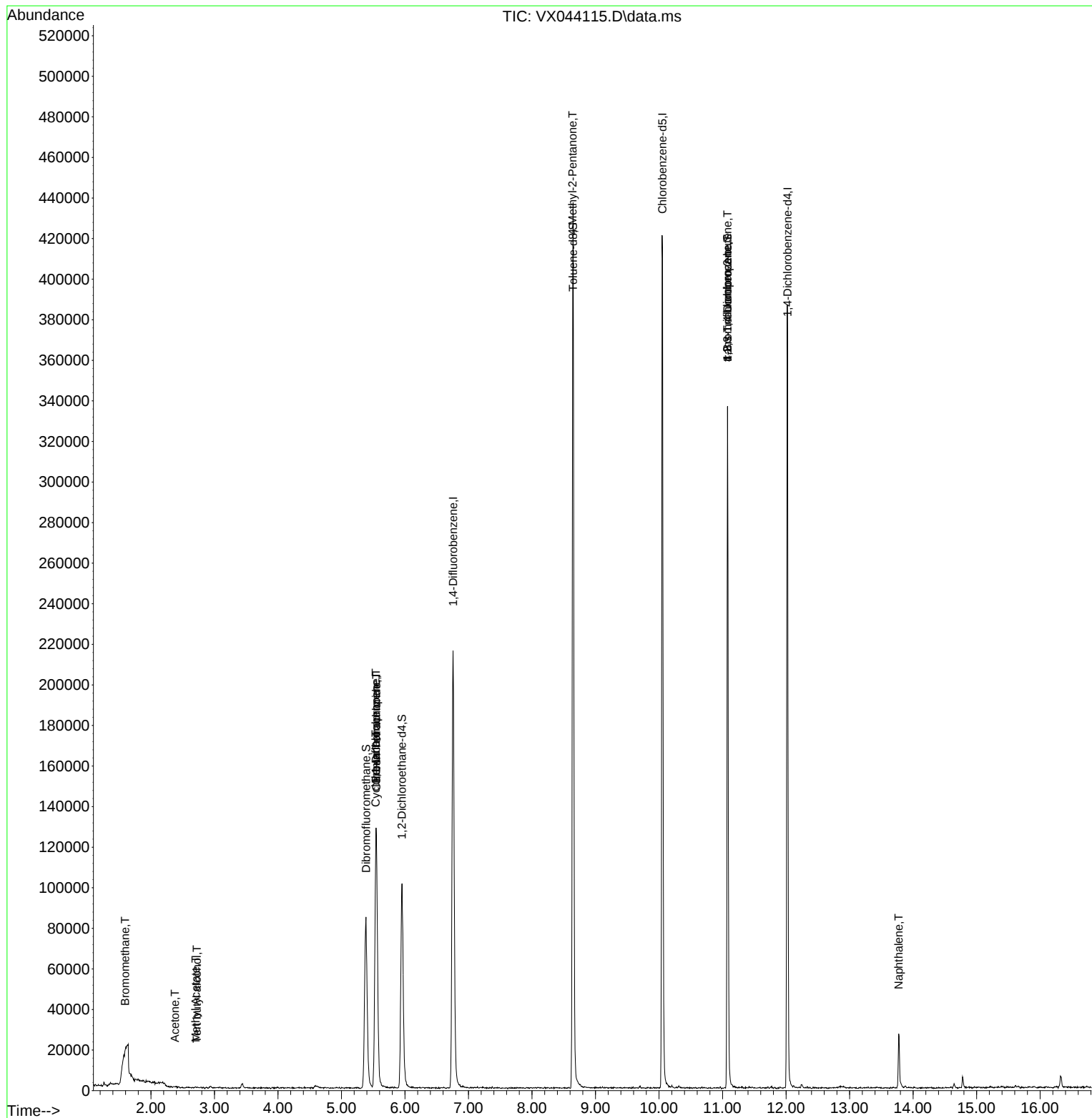
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.544          | 168  | 107668              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 211922              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 183796              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 75542               | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 97673               | 52.891 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 105.780% |        |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 69900               | 46.160 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 92.320%  |        |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 260119              | 49.832 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 99.660%  |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 86388               | 48.629 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = 97.260%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 5) Bromomethane               | 1.593          | 94   | 548                 | 0.583  | ug/l # | 41       |
| 11) Tert butyl alcohol        | 2.721          | 59   | 67                  | 0.226  | ug/l # | 73       |
| 16) Acetone                   | 2.380          | 43   | 403                 | 0.475  | ug/l # | 46       |
| 18) Methyl Acetate            | 2.703          | 43   | 651                 | 0.330  | ug/l # | 84       |
| 31) Cyclohexane               | 5.538          | 56   | 3062                | 1.488  | ug/l # | 41       |
| 36) 1,1-Dichloropropene       | 5.544          | 75   | 11236               | 5.954  | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 12856               | 6.063  | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.641          | 43   | 1354                | 0.595  | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 49000               | 29.578 | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 49000               | 80.712 | ug/l # | 6        |
| 95) Naphthalene               | 13.774         | 128  | 19564               | 3.621  | ug/l   | 99       |
| -----                         |                |      |                     |        |        |          |

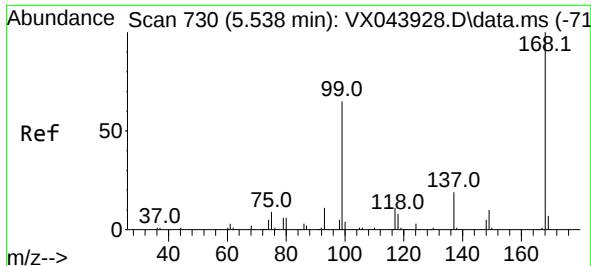
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120424\  
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MSVOA\_X  
ClientSampleId :

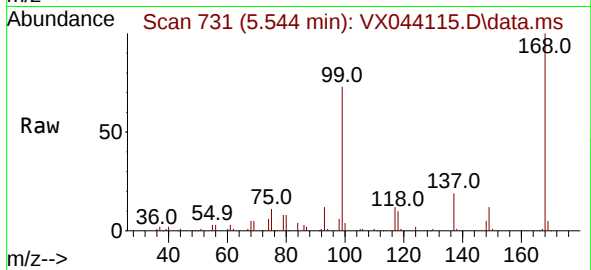
Quant Time: Dec 05 00:26:53 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration



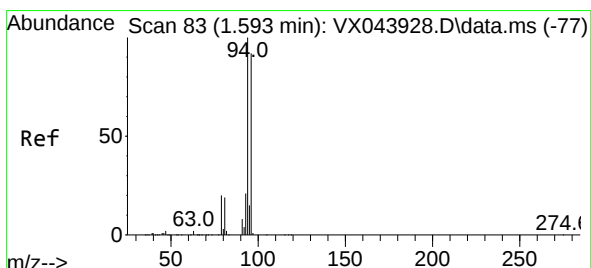
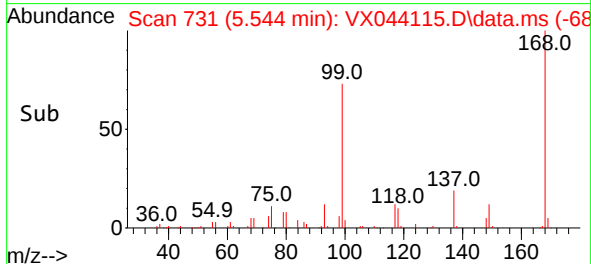
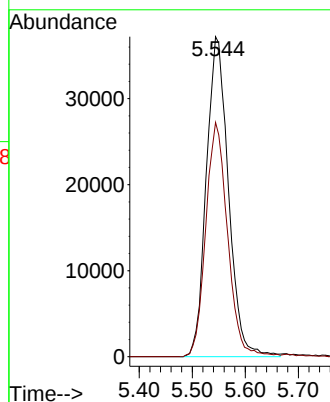


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX044115.D  
Acq: 04 Dec 2024 14:33

Instrument :  
MSVOA\_X  
ClientSampleId :

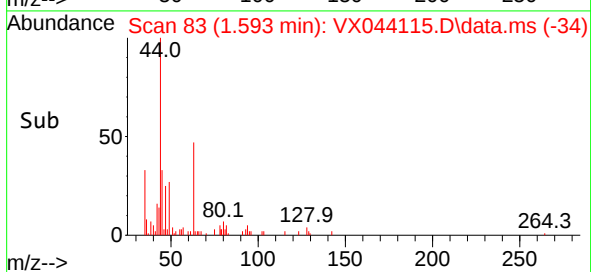
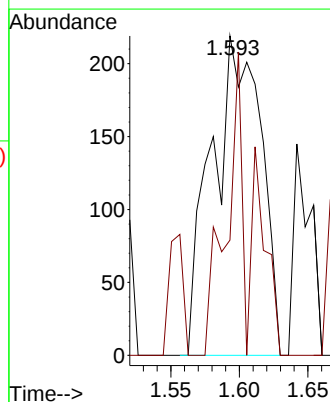
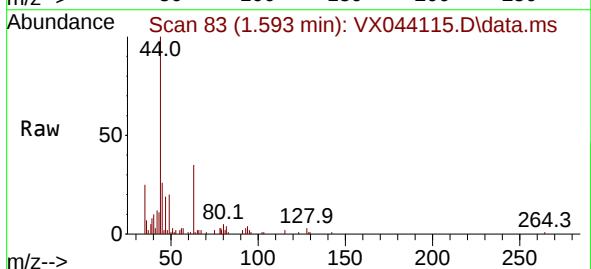


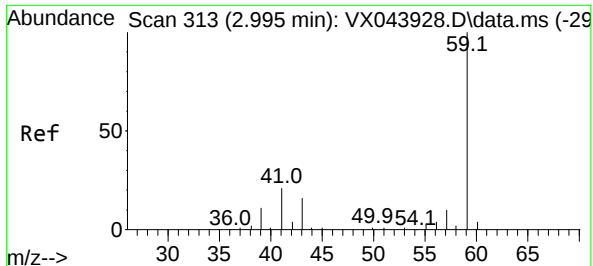
Tgt Ion:168 Resp: 107668  
Ion Ratio Lower Upper  
168 100  
99 73.2 51.8 77.8



#5  
Bromomethane  
Concen: 0.583 ug/l  
RT: 1.593 min Scan# 83  
Delta R.T. -0.000 min  
Lab File: VX044115.D  
Acq: 04 Dec 2024 14:33

Tgt Ion: 94 Resp: 548  
Ion Ratio Lower Upper  
94 100  
96 36.1 73.9 110.9#





#11

Tert butyl alcohol

Concen: 0.226 ug/l

RT: 2.721 min Scan# 21

Delta R.T. -0.274 min

Lab File: VX044115.D

Acq: 04 Dec 2024 14:33

Instrument :

MSVOA\_X

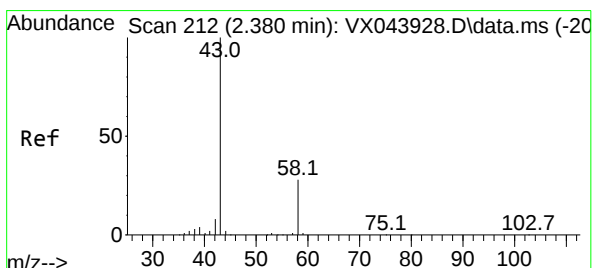
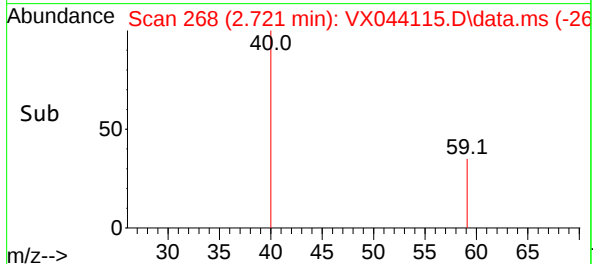
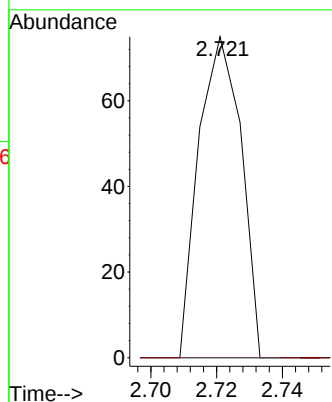
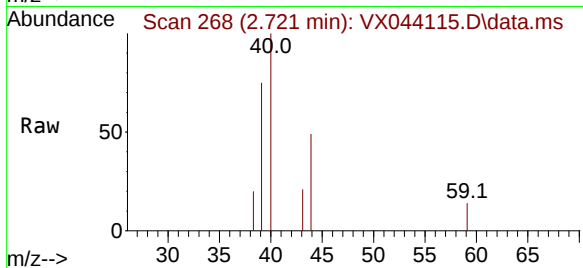
ClientSampleId :

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#16

Acetone

Concen: 0.475 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX044115.D

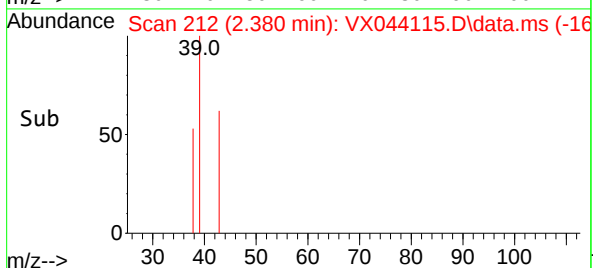
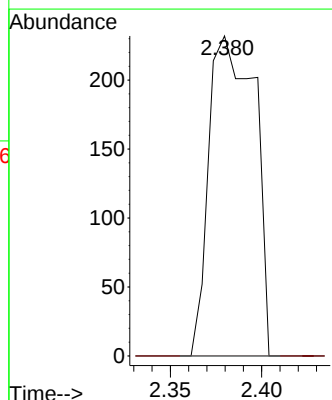
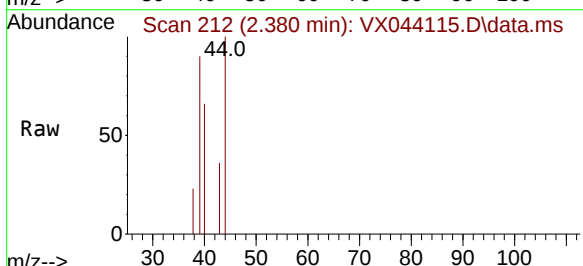
Acq: 04 Dec 2024 14:33

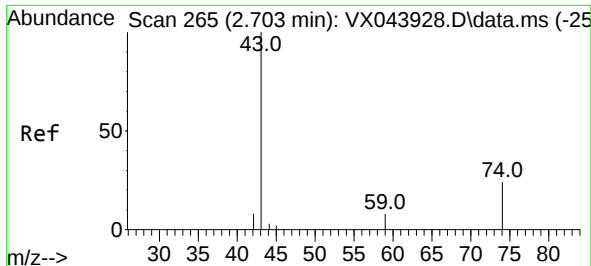
Tgt Ion: 43 Resp: 403

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#

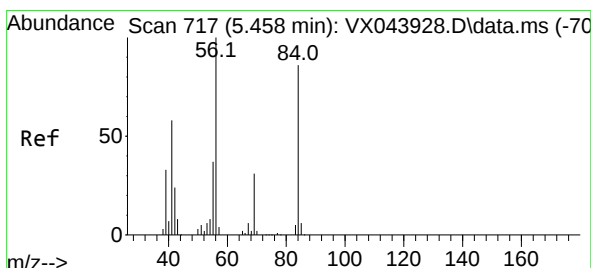
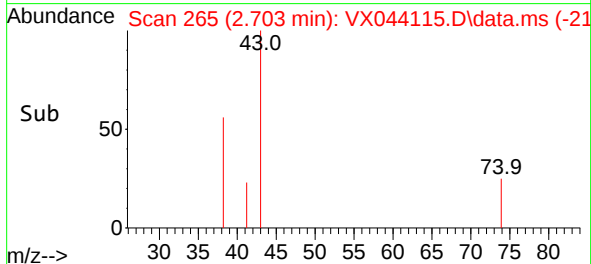
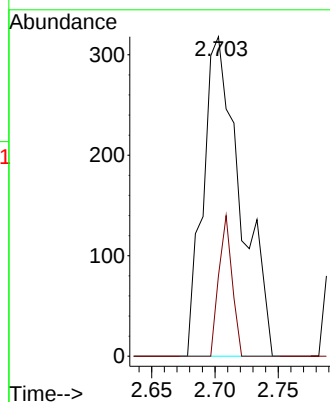
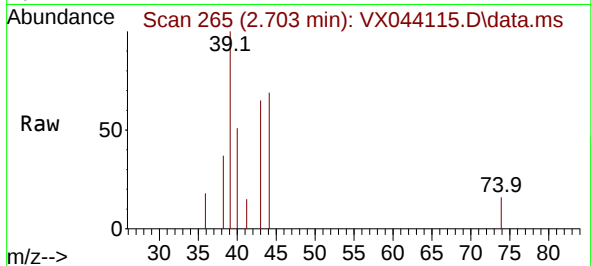




#18  
Methyl Acetate  
Concen: 0.330 ug/l  
RT: 2.703 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX044115.D  
Acq: 04 Dec 2024 14:33

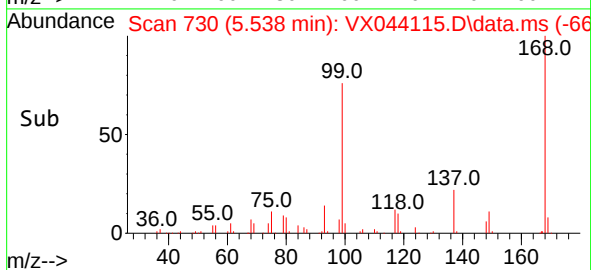
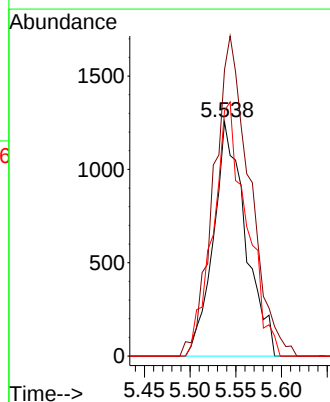
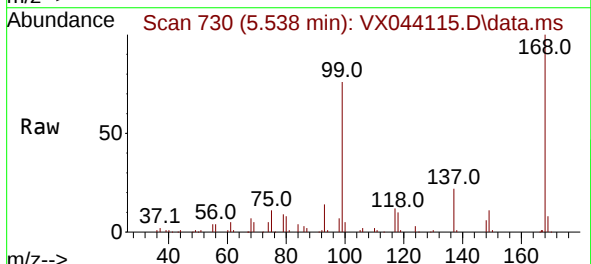
Instrument :  
MSVOA\_X  
ClientSampleId :

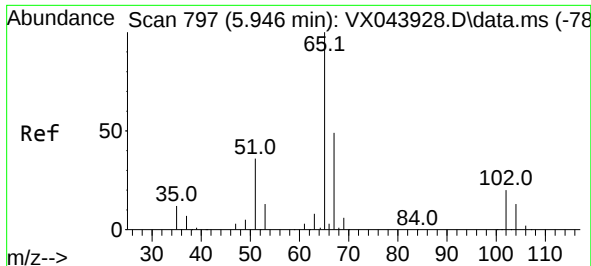
Tgt Ion: 43 Resp: 651  
Ion Ratio Lower Upper  
43 100  
74 15.7 18.9 28.3#



#31  
Cyclohexane  
Concen: 1.488 ug/l  
RT: 5.538 min Scan# 730  
Delta R.T. 0.079 min  
Lab File: VX044115.D  
Acq: 04 Dec 2024 14:33

Tgt Ion: 56 Resp: 3062  
Ion Ratio Lower Upper  
56 100  
69 122.2 24.7 37.1#  
84 104.8 68.7 103.1#





#33

1,2-Dichloroethane-d4

Concen: 52.891 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX044115.D

Acq: 04 Dec 2024 14:33

Instrument :

MSVOA\_X

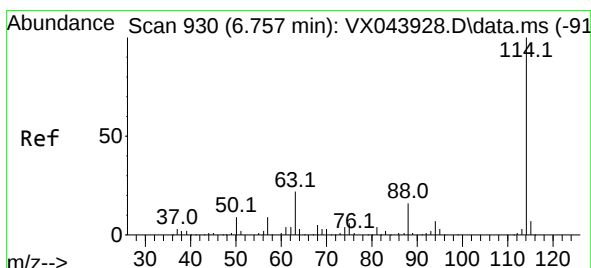
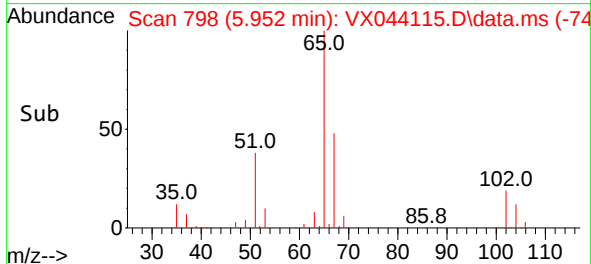
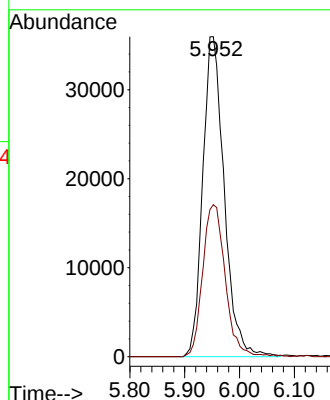
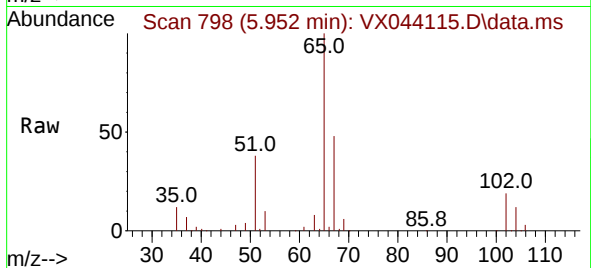
ClientSampleId :

Tgt Ion: 65 Resp: 97673

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044115.D

Acq: 04 Dec 2024 14:33

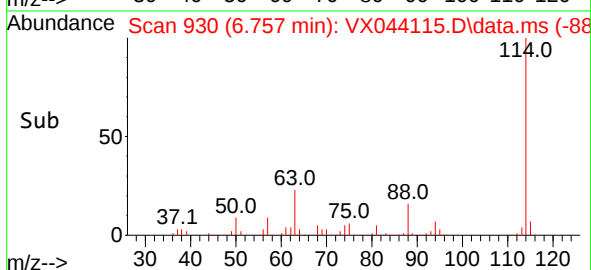
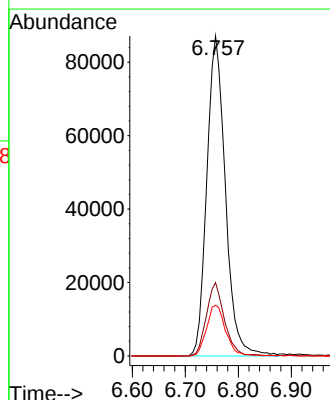
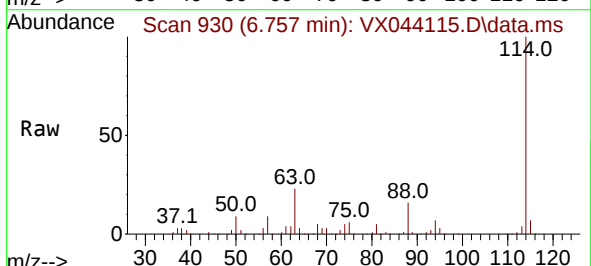
Tgt Ion: 114 Resp: 211922

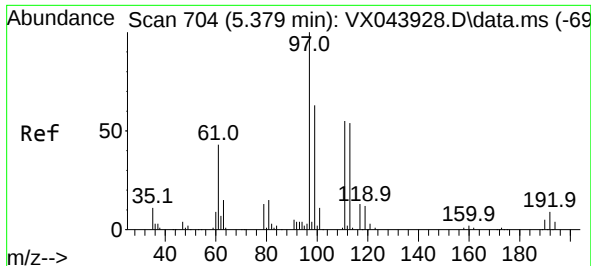
Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.0

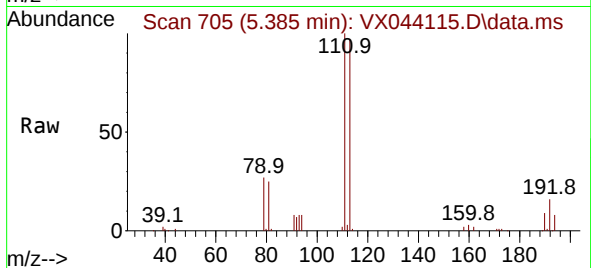
88 15.9 0.0 32.4



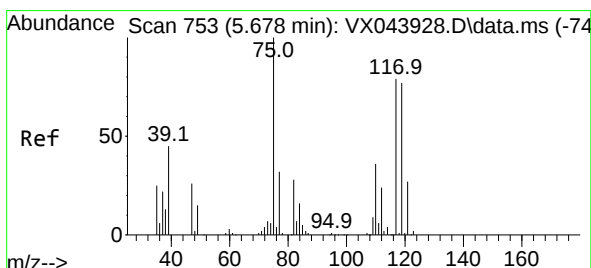
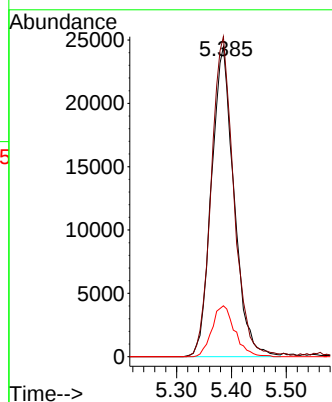
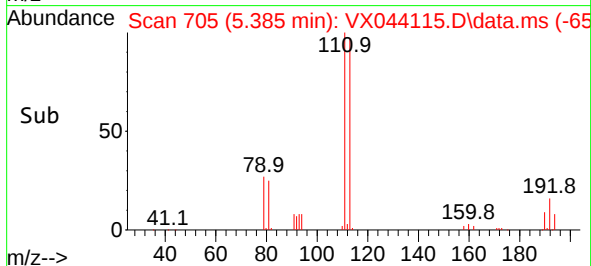


#35  
Dibromofluoromethane  
Concen: 46.160 ug/l  
RT: 5.385 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX044115.D  
Acq: 04 Dec 2024 14:33

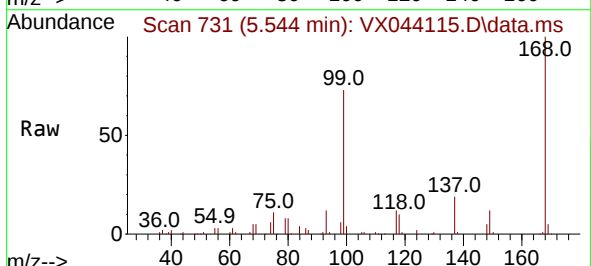
Instrument :  
MSVOA\_X  
ClientSampleId :



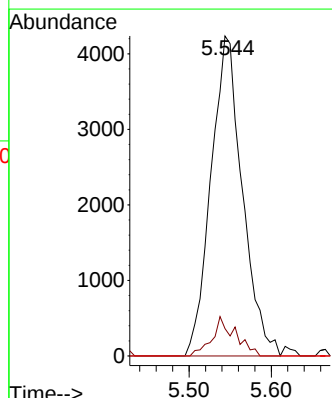
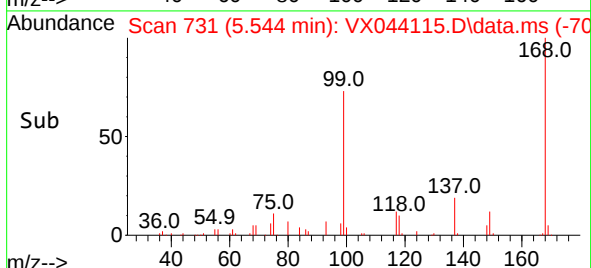
Tgt Ion:113 Resp: 69900  
Ion Ratio Lower Upper  
113 100  
111 103.5 81.0 121.4  
192 16.6 13.0 19.6

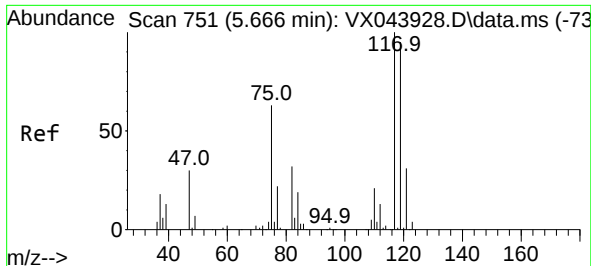


#36  
1,1-Dichloropropene  
Concen: 5.954 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.134 min  
Lab File: VX044115.D  
Acq: 04 Dec 2024 14:33



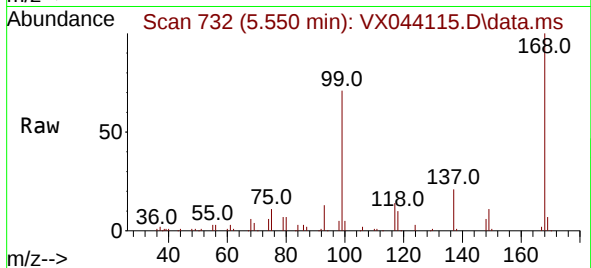
Tgt Ion: 75 Resp: 11236  
Ion Ratio Lower Upper  
75 100  
110 9.2 17.4 52.2#  
77 0.0 25.8 38.8#



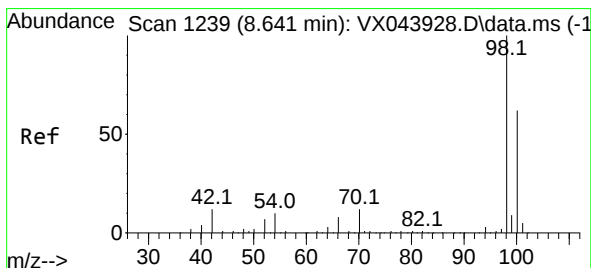
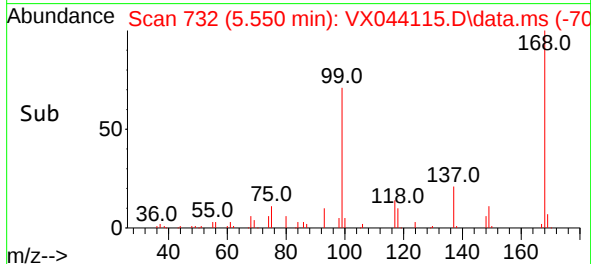
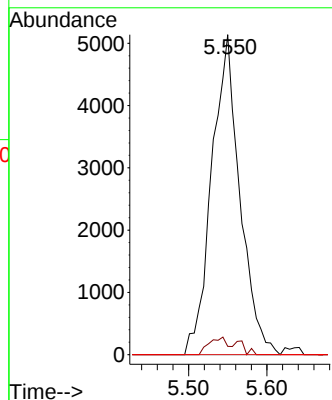


#38  
Carbon Tetrachloride  
Concen: 6.063 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.116 min  
Lab File: VX044115.D  
Acq: 04 Dec 2024 14:33

Instrument :  
MSVOA\_X  
ClientSampleId :

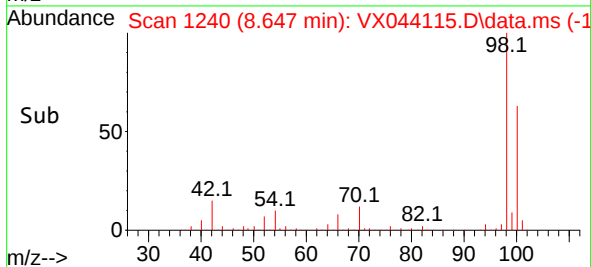
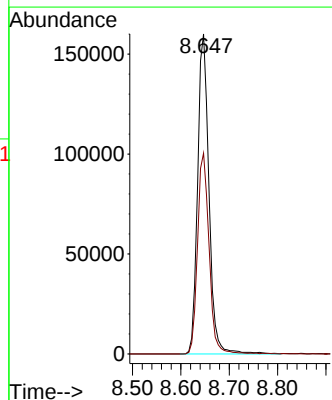
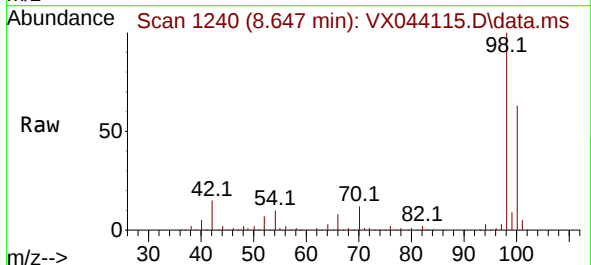


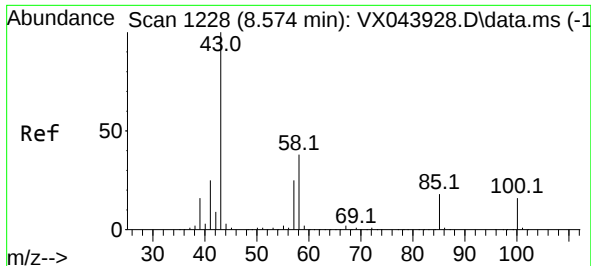
Tgt Ion:117 Resp: 12856  
Ion Ratio Lower Upper  
117 100  
119 2.6 75.2 112.8#  
121 0.0 24.5 36.7#



#50  
Toluene-d8  
Concen: 49.832 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.006 min  
Lab File: VX044115.D  
Acq: 04 Dec 2024 14:33

Tgt Ion: 98 Resp: 260119  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 0.595 ug/l

RT: 8.641 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX044115.D

Acq: 04 Dec 2024 14:33

Instrument :

MSVOA\_X

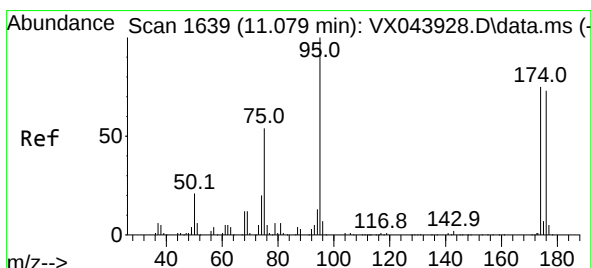
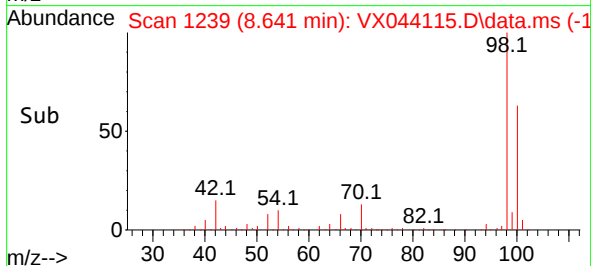
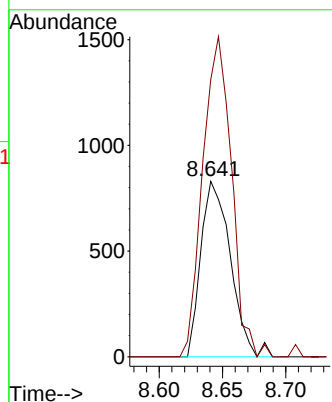
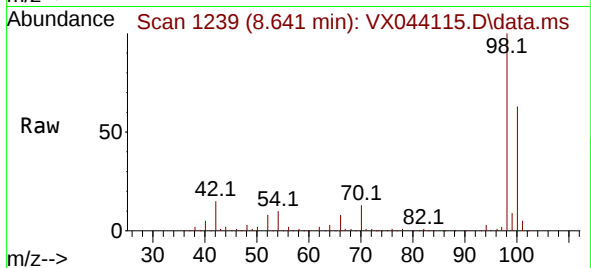
ClientSampleId :

Tgt Ion: 43 Resp: 1354

Ion Ratio Lower Upper

43 100

58 177.3 30.0 45.0#



#62

4-Bromofluorobenzene

Concen: 48.629 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044115.D

Acq: 04 Dec 2024 14:33

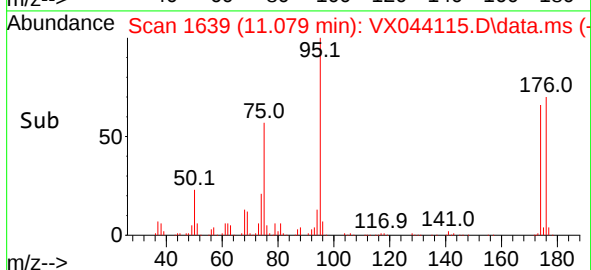
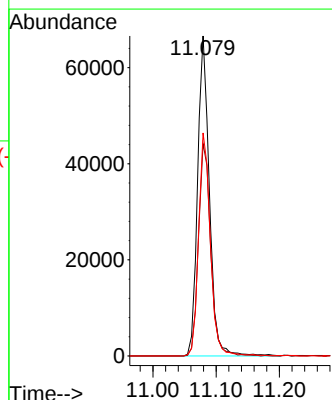
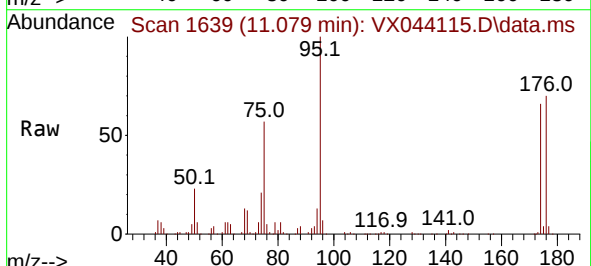
Tgt Ion: 95 Resp: 86388

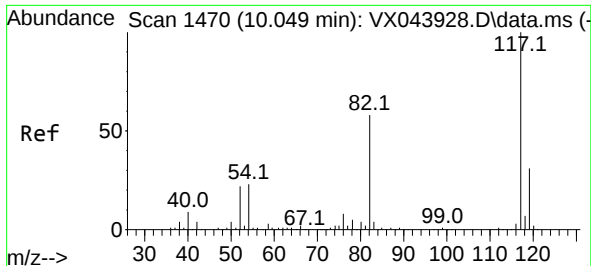
Ion Ratio Lower Upper

95 100

174 68.6 0.0 150.4

176 70.0 0.0 146.0

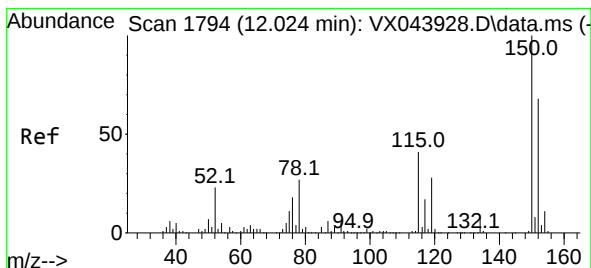
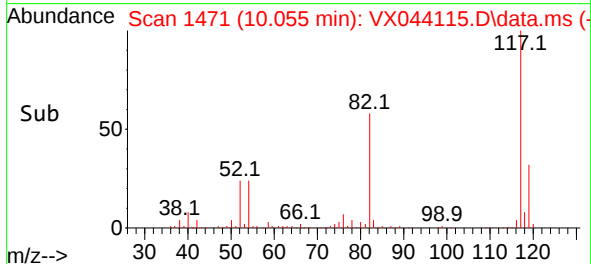
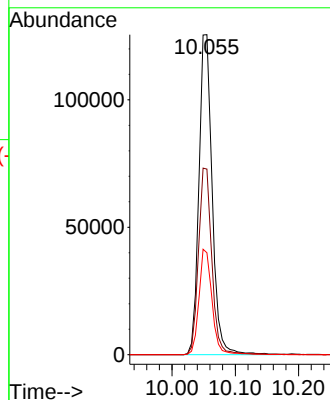
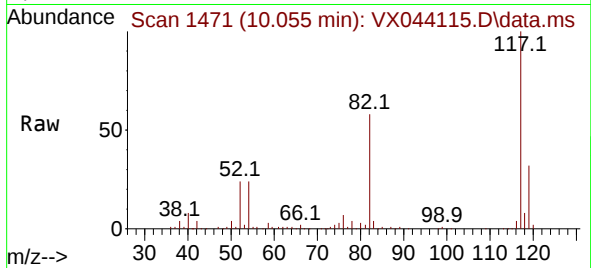




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: VX044115.D  
Acq: 04 Dec 2024 14:33

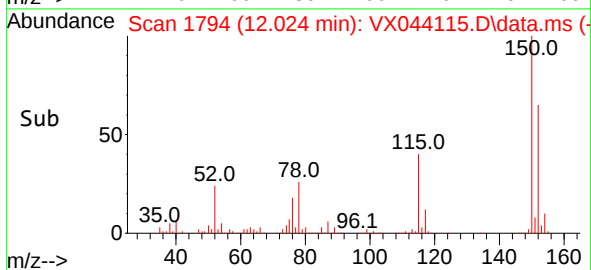
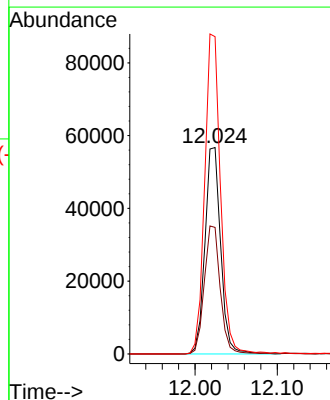
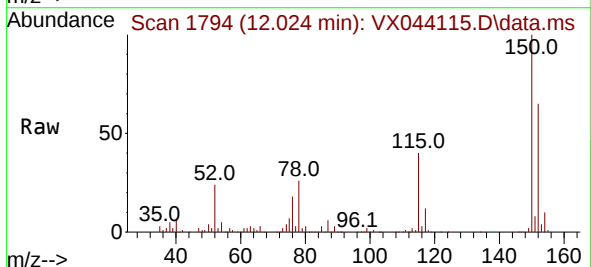
Instrument :  
MSVOA\_X  
ClientSampleId :

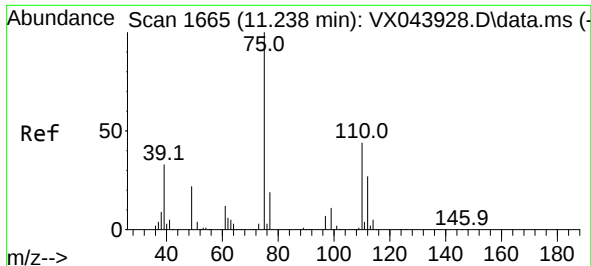
Tgt Ion:117 Resp: 183796  
Ion Ratio Lower Upper  
117 100  
82 58.0 46.4 69.6  
119 31.8 24.6 37.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX044115.D  
Acq: 04 Dec 2024 14:33

Tgt Ion:152 Resp: 75542  
Ion Ratio Lower Upper  
152 100  
115 62.7 45.4 136.2  
150 156.2 0.0 353.0

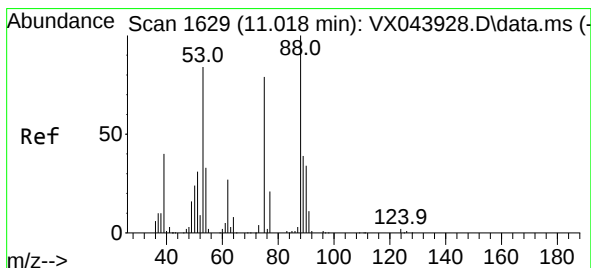
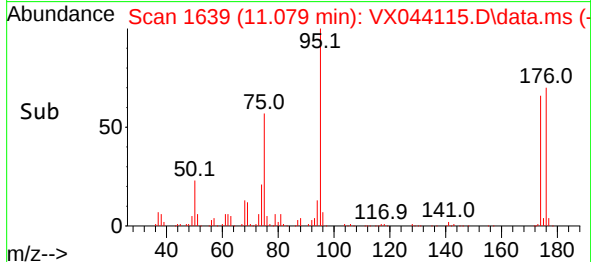
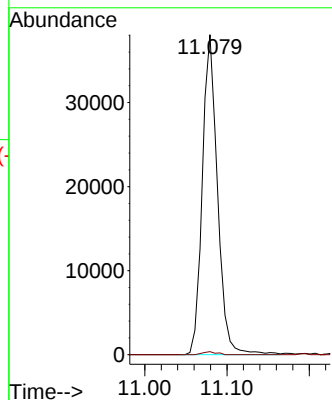
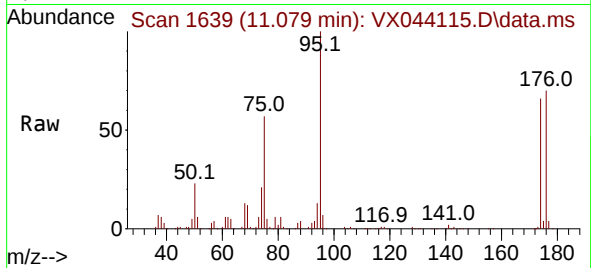




#76  
1,2,3-Trichloropropane  
Concen: 29.578 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX044115.D  
Acq: 04 Dec 2024 14:33

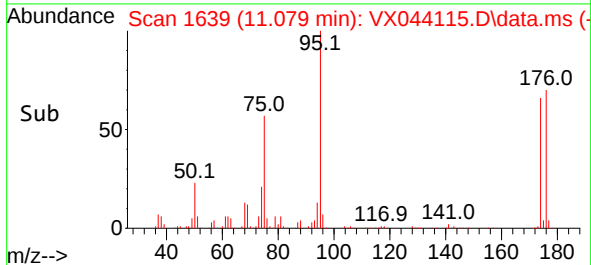
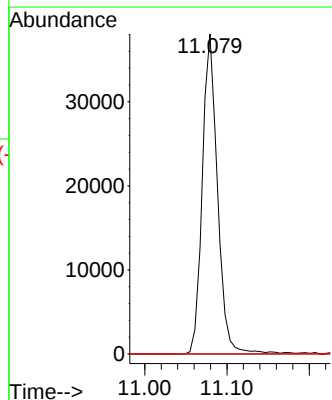
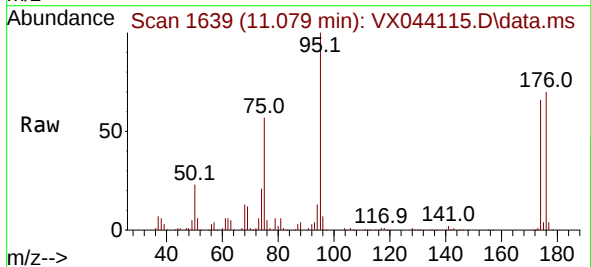
Instrument :  
MSVOA\_X  
ClientSampleId :

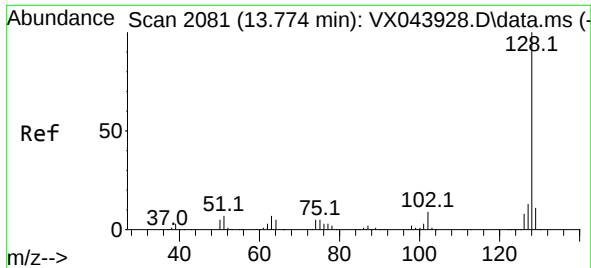
Tgt Ion: 75 Resp: 49000  
Ion Ratio Lower Upper  
75 100  
77 0.8 21.8 65.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 80.712 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX044115.D  
Acq: 04 Dec 2024 14:33

Tgt Ion: 75 Resp: 49000  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.7 130.1#  
89 0.0 38.2 57.2#





#95

Naphthalene

Concen: 3.621 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

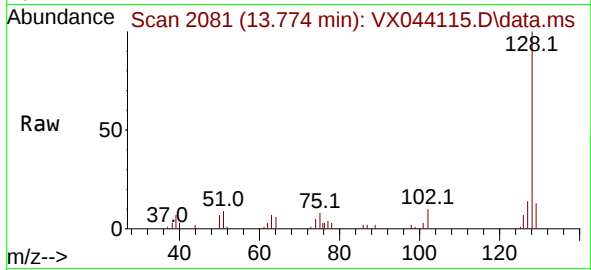
Lab File: VX044115.D

Acq: 04 Dec 2024 14:33

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion:128 Resp: 19564

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.2

129 10.7 8.6 12.8

