

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121624\  
 Data File : VX044319.D  
 Acq On : 16 Dec 2024 13:24  
 Operator : JC/MD  
 Sample : P5261-17RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 17 00:49:14 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

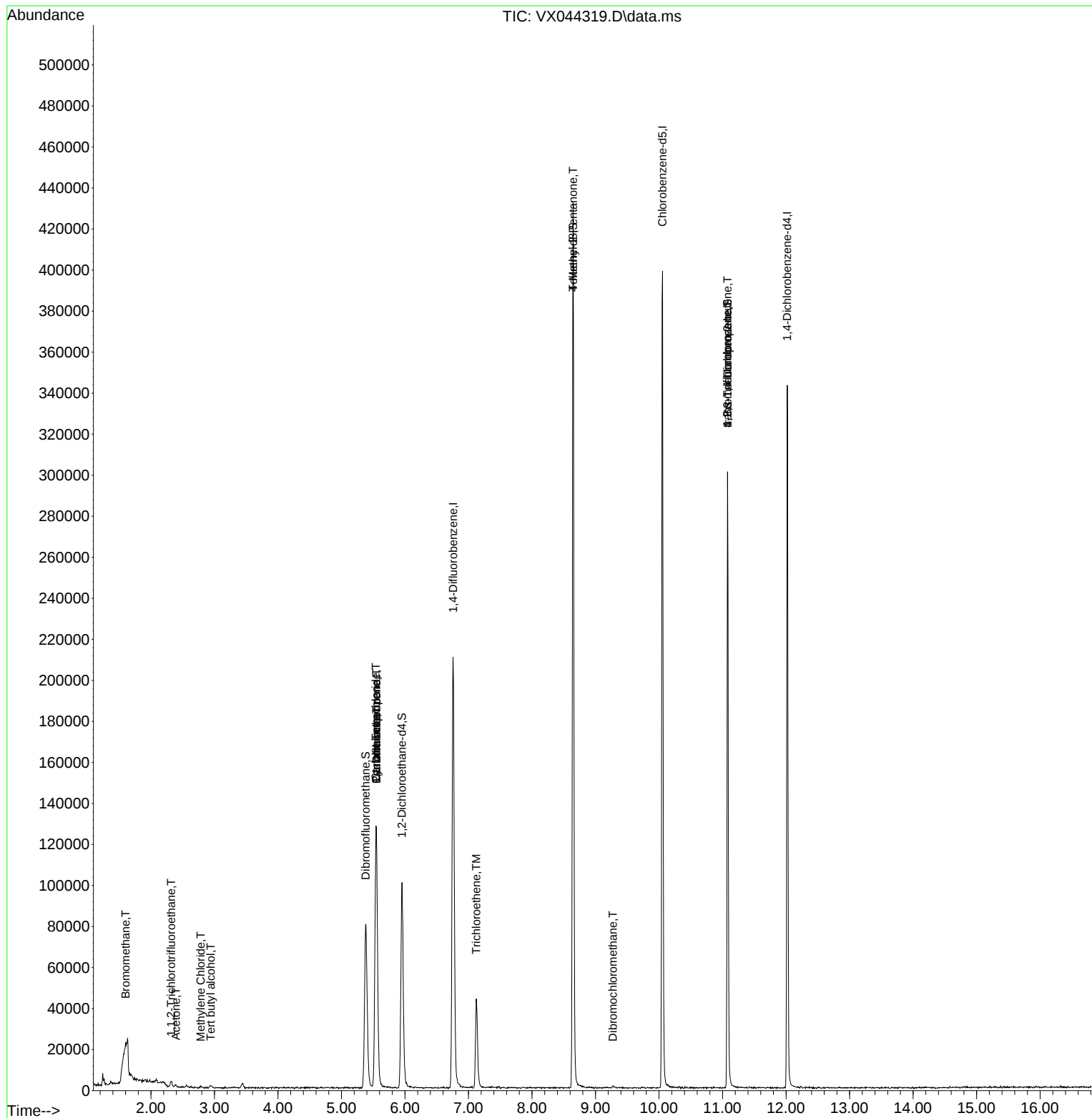
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 112654   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 207364   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 177488   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 66190    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 93511    | 47.343   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 94.680%  |
| 35) Dibromofluoromethane      | 5.379  | 113   | 68127    | 47.436   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 94.880%  |
| 50) Toluene-d8                | 8.647  | 98    | 250046   | 51.606   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 103.220% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 77001    | 45.480   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | =      | 90.960%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 1.599  | 94    | 328      | 0.266    | ug/l # | 70       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.319  | 101   | 1203     | 0.875    | ug/l # | 88       |
| 11) Tert butyl alcohol        | 2.940  | 59    | 392      | 1.408    | ug/l # | 71       |
| 16) Acetone                   | 2.392  | 43    | 770      | 0.956    | ug/l # | 78       |
| 20) Methylene Chloride        | 2.782  | 84    | 399      | 0.264    | ug/l # | 59       |
| 31) Cyclohexane               | 5.550  | 56    | 3220     | 1.510    | ug/l # | 42       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 9968     | 5.369    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 13421    | 6.715    | ug/l # | 17       |
| 44) Trichloroethene           | 7.123  | 130   | 16377    | 11.651   | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1405     | 0.609    | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.275  | 129   | 221      | 1.383    | ug/l # | 11       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 44412    | 30.051   | ug/l # | 35       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 44412    | 82.083   | ug/l # | 4        |
| -----                         |        |       |          |          |        |          |

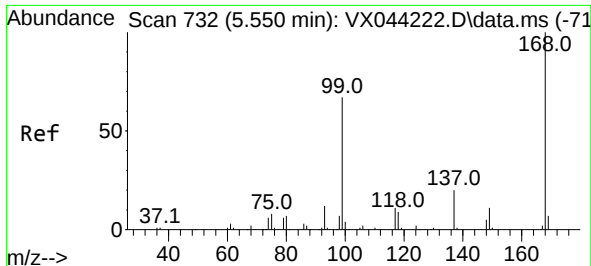
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121624\  
Data File : VX044319.D  
Acq On : 16 Dec 2024 13:24  
Operator : JC/MD  
Sample : P5261-17RE  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

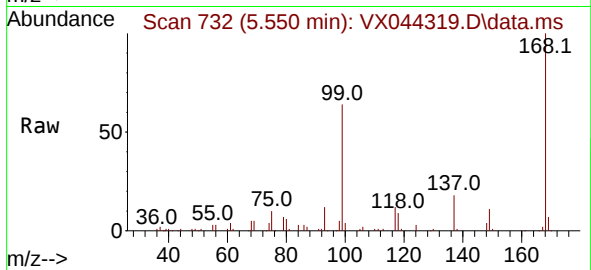
Quant Time: Dec 17 00:49:14 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 12 04:28:14 2024  
Response via : Initial Calibration



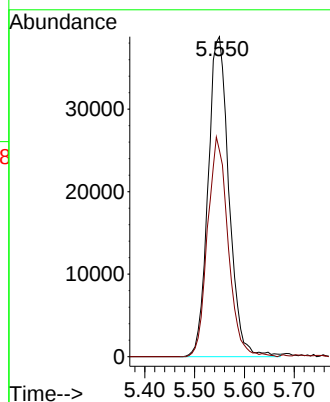
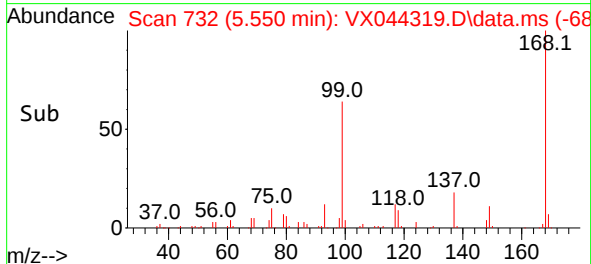


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :

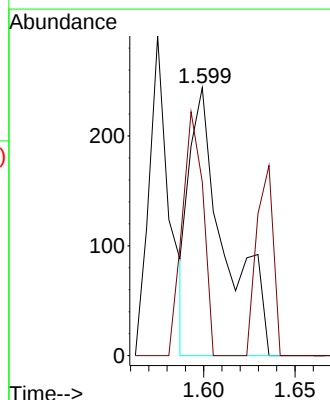
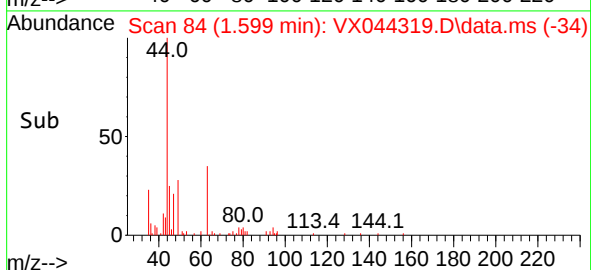
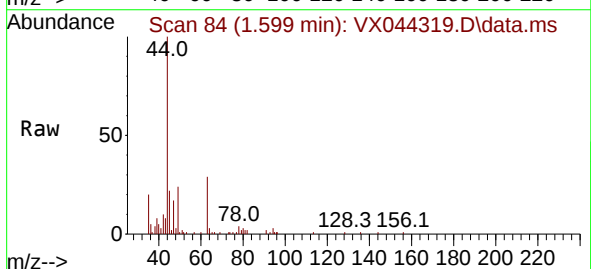


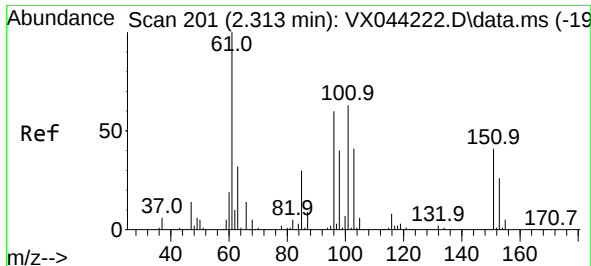
Tgt Ion:168 Resp: 112654  
Ion Ratio Lower Upper  
168 100  
99 64.5 53.4 80.0



#5  
Bromomethane  
Concen: 0.266 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24

Tgt Ion: 94 Resp: 328  
Ion Ratio Lower Upper  
94 100  
96 64.8 74.9 112.3#

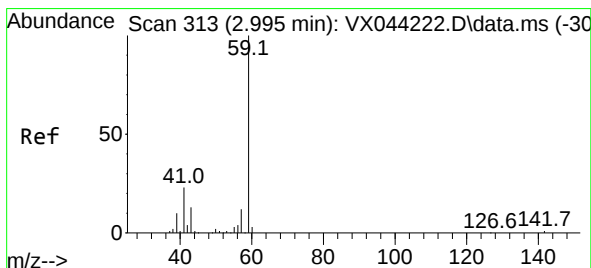
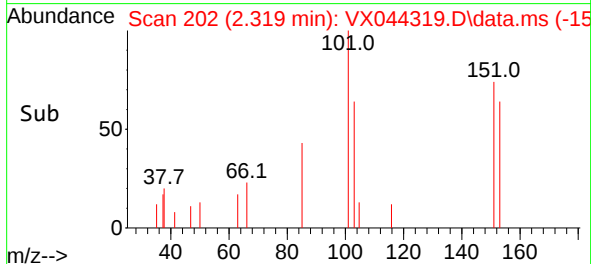
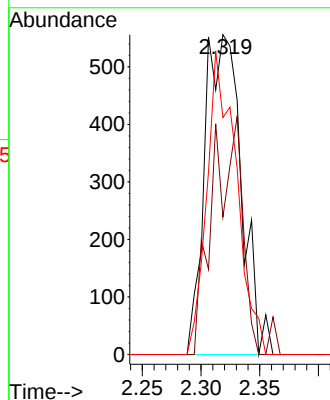
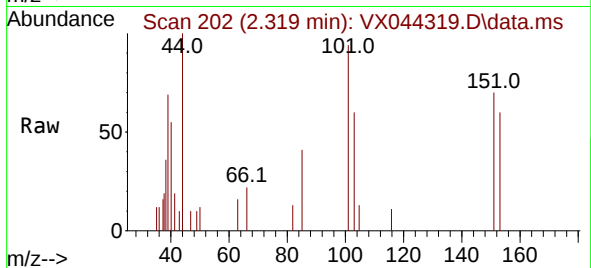




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.875 ug/l  
RT: 2.319 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24

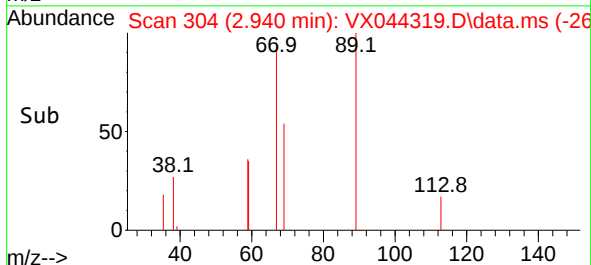
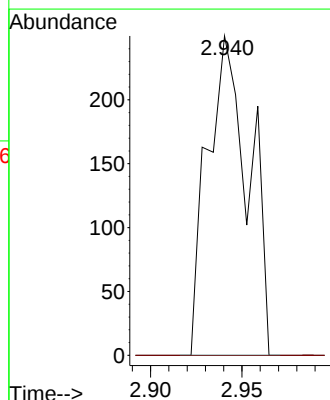
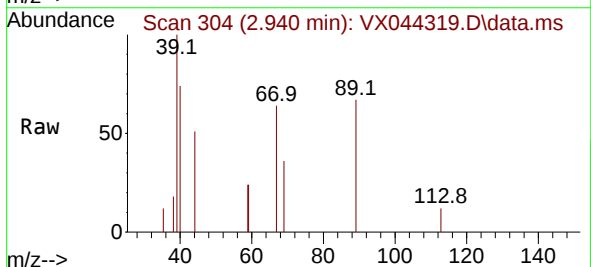
Instrument :  
MSVOA\_X  
ClientSampleId :

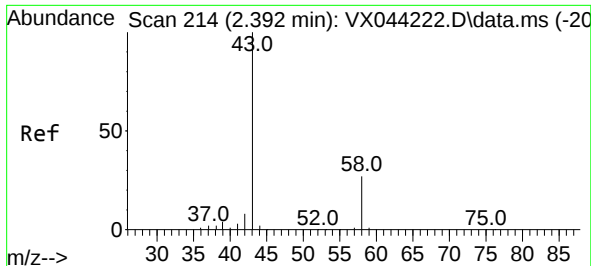
Tgt Ion:101 Resp: 1203  
Ion Ratio Lower Upper  
101 100  
85 60.2 38.5 57.7#  
151 76.3 55.8 83.6



#11  
Tert butyl alcohol  
Concen: 1.408 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.055 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24

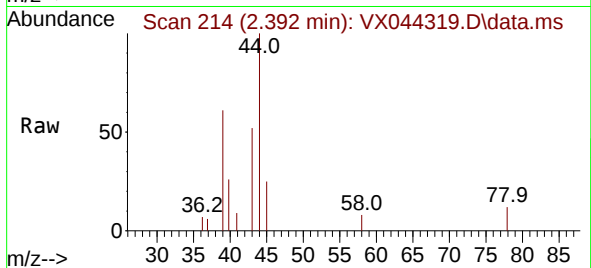
Tgt Ion: 59 Resp: 392  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.8 13.2#



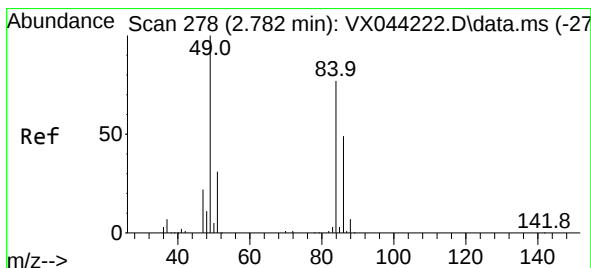
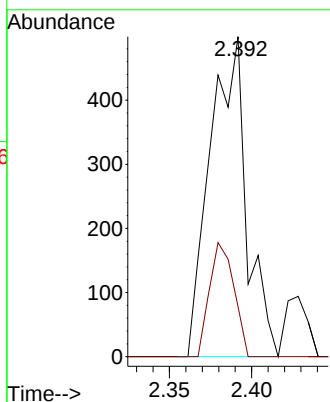
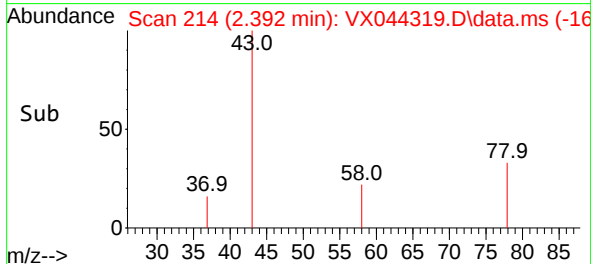


#16  
Acetone  
Concen: 0.956 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24

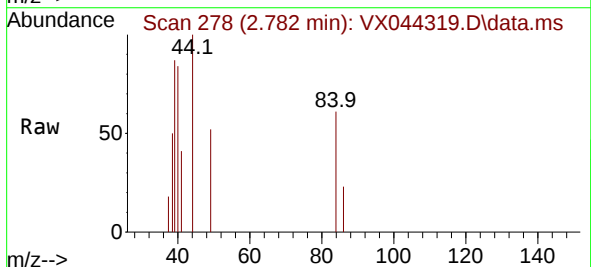
Instrument :  
MSVOA\_X  
ClientSampleId :



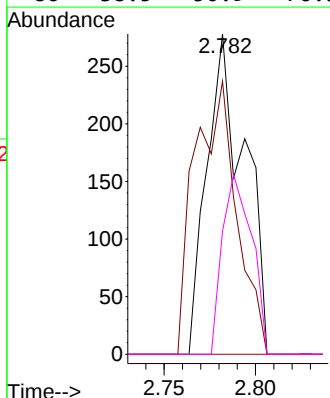
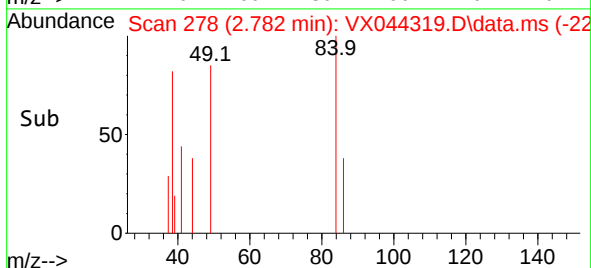
Tgt Ion: 43 Resp: 770  
Ion Ratio Lower Upper  
43 100  
58 15.6 21.6 32.4#

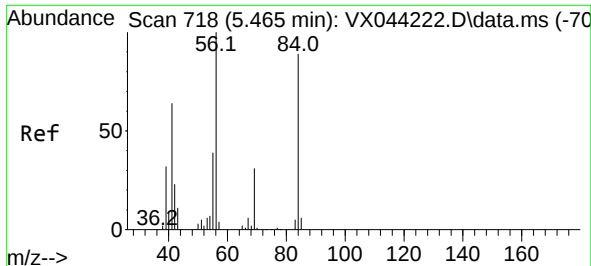


#20  
Methylene Chloride  
Concen: 0.264 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.000 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24



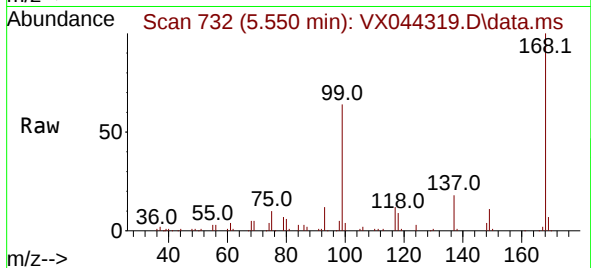
Tgt Ion: 84 Resp: 399  
Ion Ratio Lower Upper  
84 100  
49 85.3 104.2 156.4#  
51 0.0 32.2 48.4#  
86 38.5 50.9 76.3#



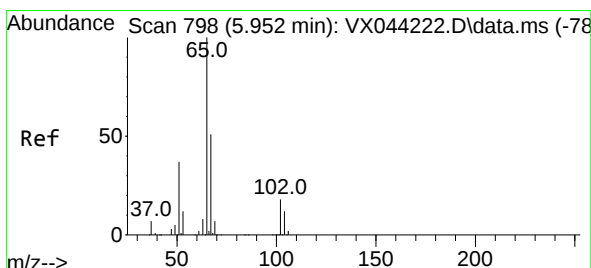
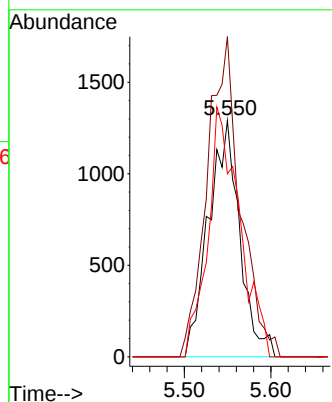
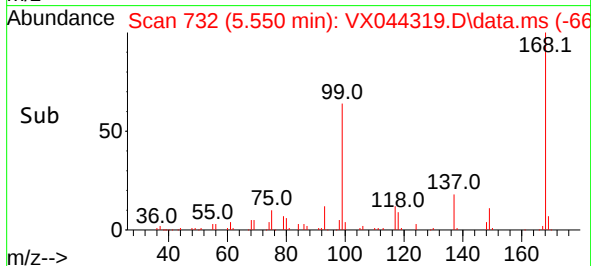


#31  
Cyclohexane  
Concen: 1.510 ug/l  
RT: 5.550 min Scan# 718  
Delta R.T. 0.085 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :

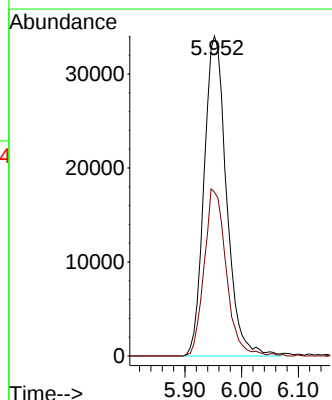
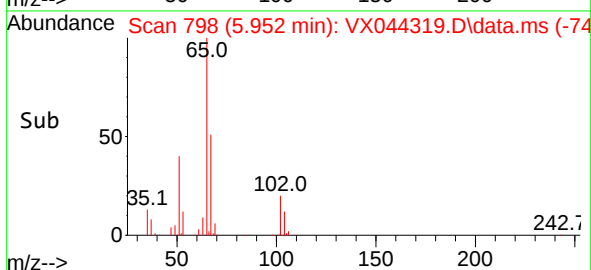
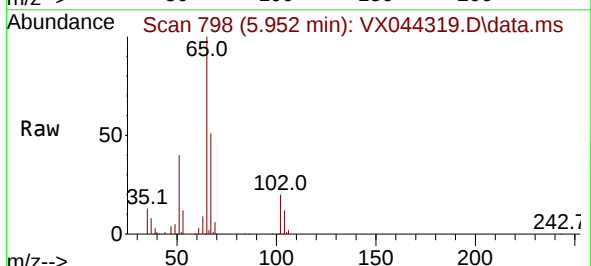


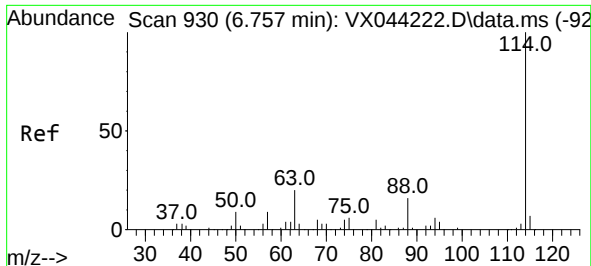
Tgt Ion: 56 Resp: 3220  
Ion Ratio Lower Upper  
56 100  
69 135.4 24.7 37.1#  
84 77.4 71.0 106.6



#33  
1,2-Dichloroethane-d4  
Concen: 47.343 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24

Tgt Ion: 65 Resp: 93511  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 101.6

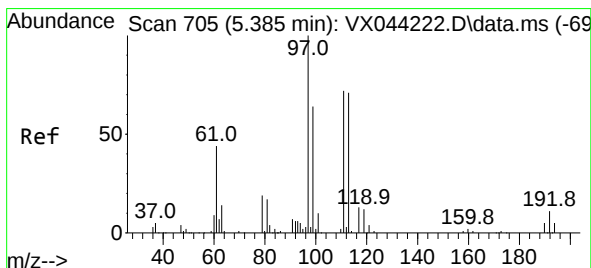
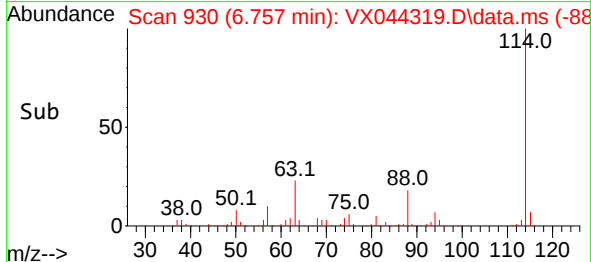
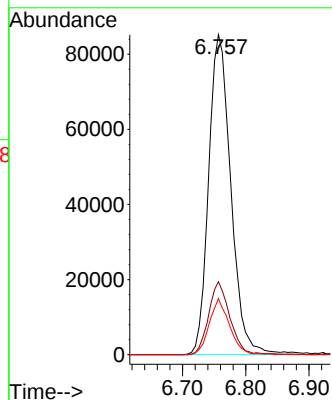
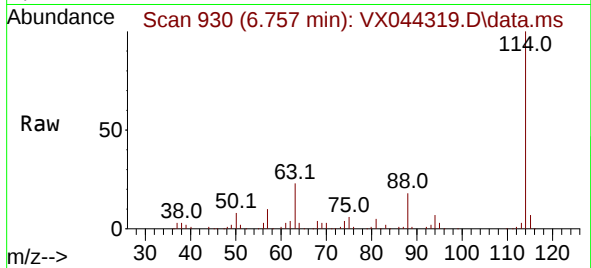




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24

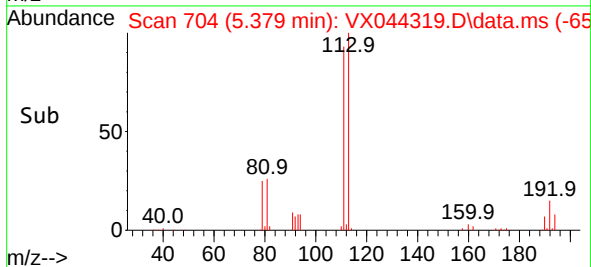
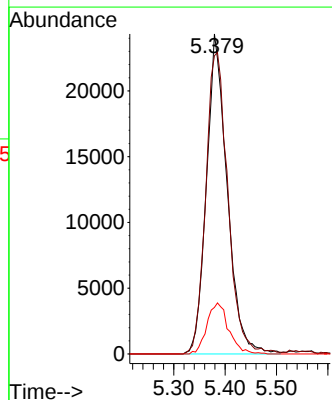
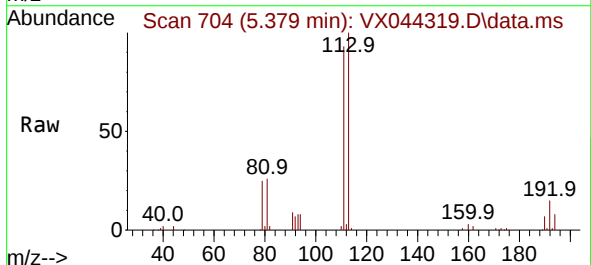
Instrument :  
MSVOA\_X  
ClientSampleId :

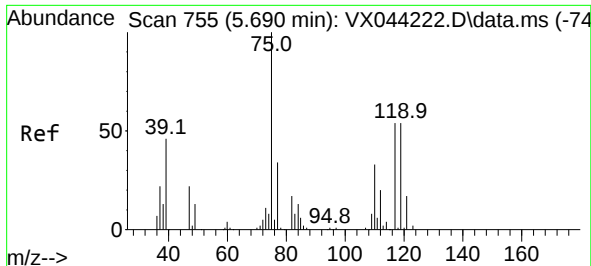
Tgt Ion:114 Resp: 207364  
Ion Ratio Lower Upper  
114 100  
63 22.8 0.0 40.6  
88 17.6 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 47.436 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24

Tgt Ion:113 Resp: 68127  
Ion Ratio Lower Upper  
113 100  
111 101.0 80.4 120.6  
192 16.8 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.369 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX044319.D

Acq: 16 Dec 2024 13:24

Instrument :

MSVOA\_X

ClientSampleId :

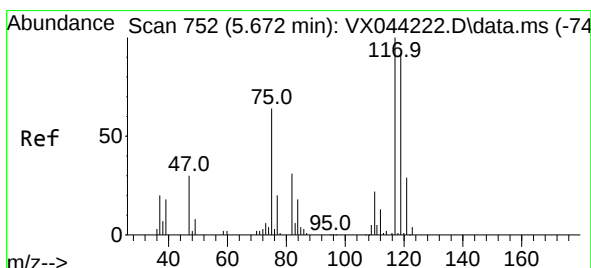
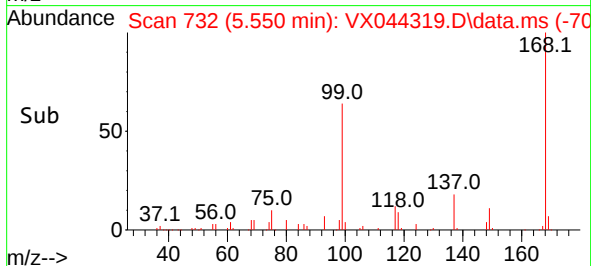
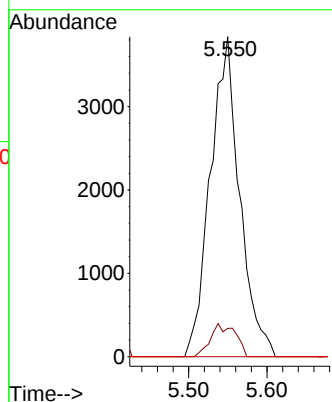
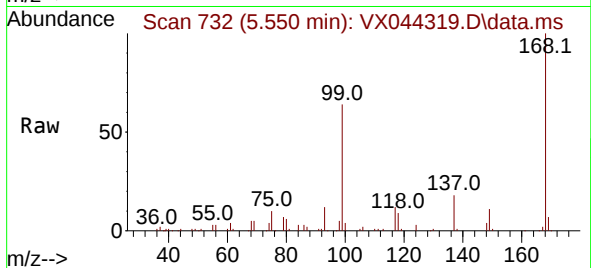
Tgt Ion: 75 Resp: 9968

Ion Ratio Lower Upper

75 100

110 8.8 17.3 51.7#

77 0.0 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 6.715 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX044319.D

Acq: 16 Dec 2024 13:24

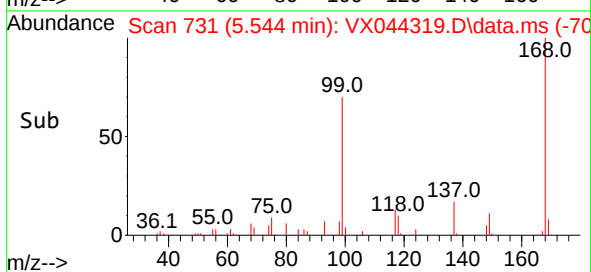
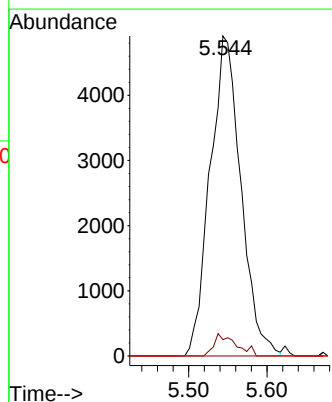
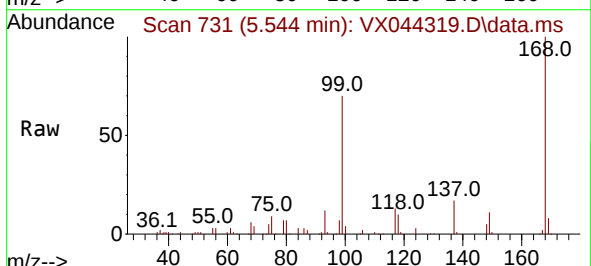
Tgt Ion: 117 Resp: 13421

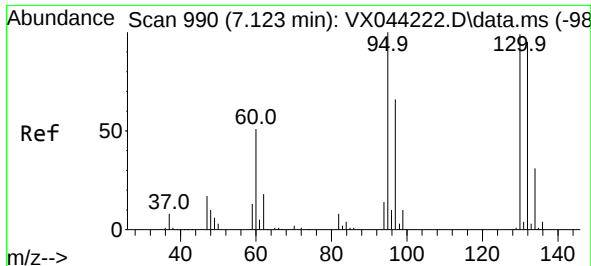
Ion Ratio Lower Upper

117 100

119 5.1 74.2 111.4#

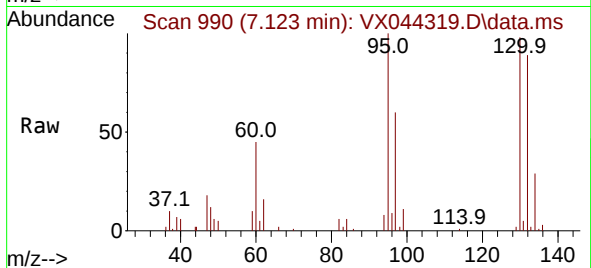
121 0.0 23.0 34.6#



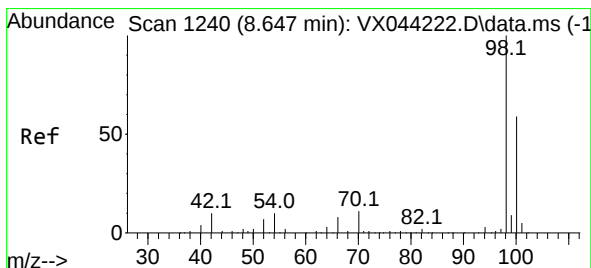
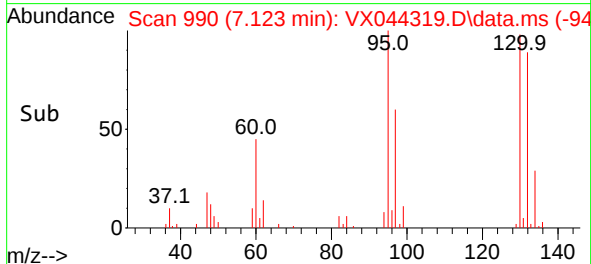
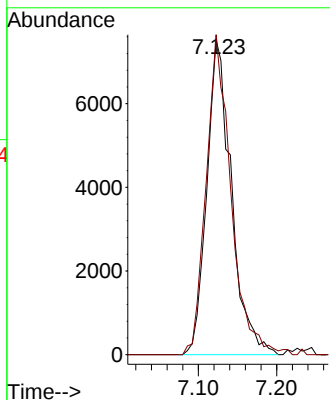


#44  
Trichloroethene  
Concen: 11.651 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24

Instrument :  
MSVOA\_X  
ClientSampleId :

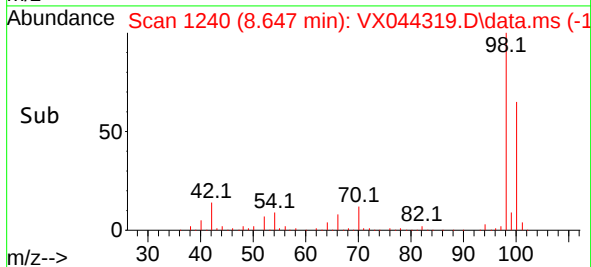
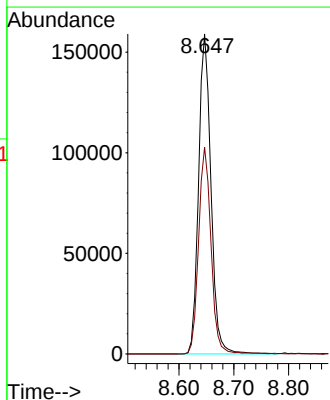
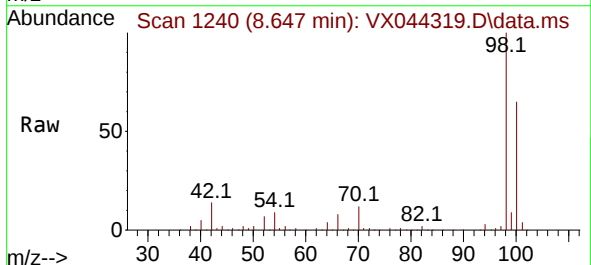


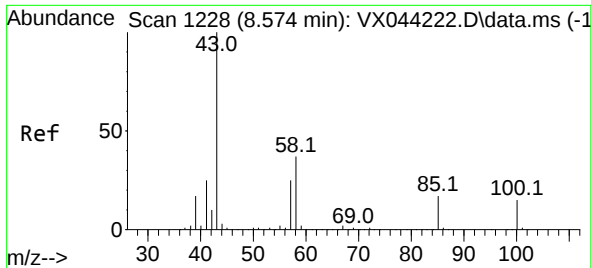
Tgt Ion:130 Resp: 16377  
Ion Ratio Lower Upper  
130 100  
95 101.6 0.0 201.4



#50  
Toluene-d8  
Concen: 51.606 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24

Tgt Ion: 98 Resp: 250046  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.5 77.3

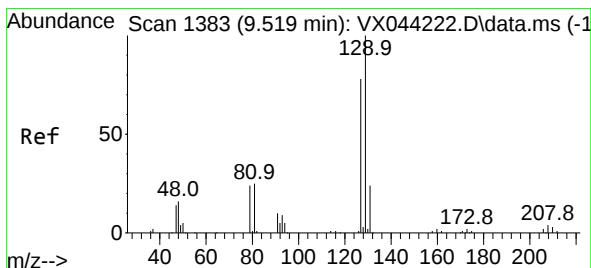
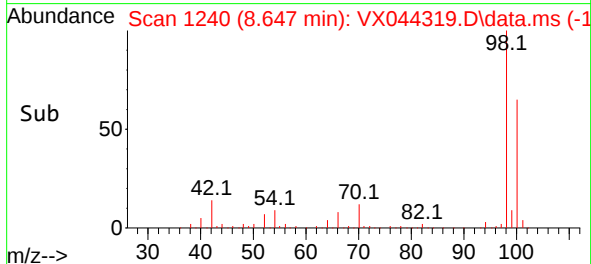
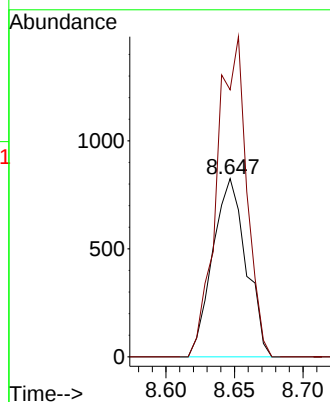
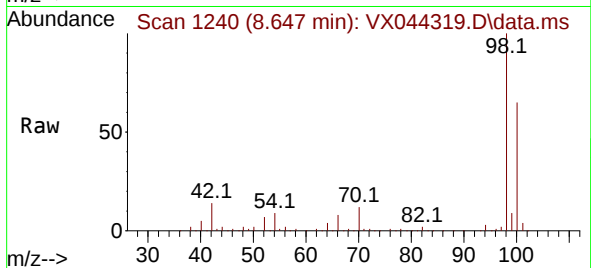




#51  
4-Methyl-2-Pentanone  
Concen: 0.609 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24

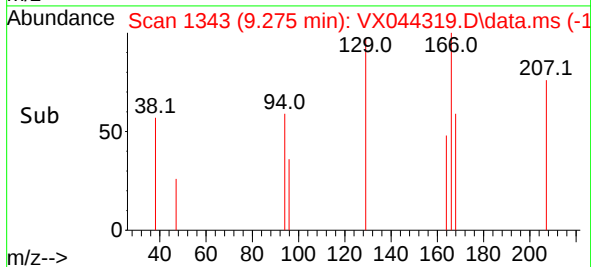
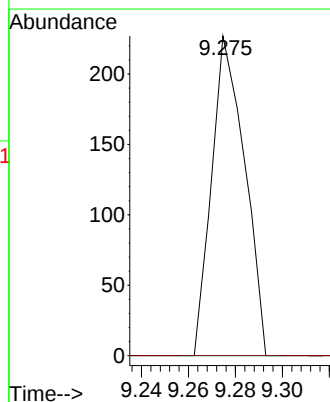
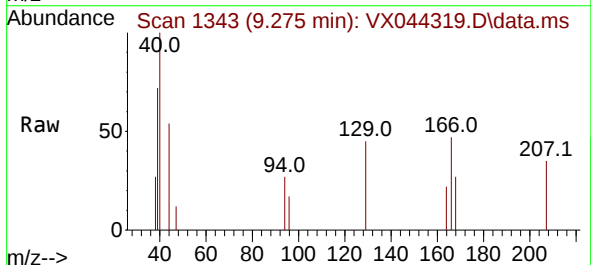
Instrument :  
MSVOA\_X  
ClientSampleId :

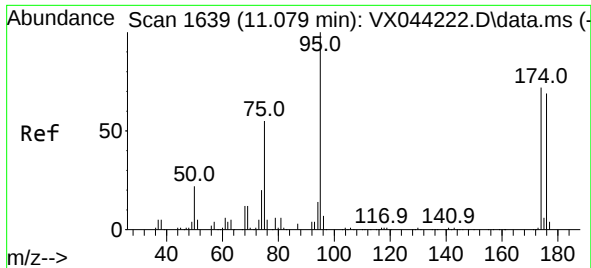
Tgt Ion: 43 Resp: 1405  
Ion Ratio Lower Upper  
43 100  
58 160.0 29.4 44.0#



#60  
Dibromochloromethane  
Concen: 1.383 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.244 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24

Tgt Ion: 129 Resp: 221  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.3#

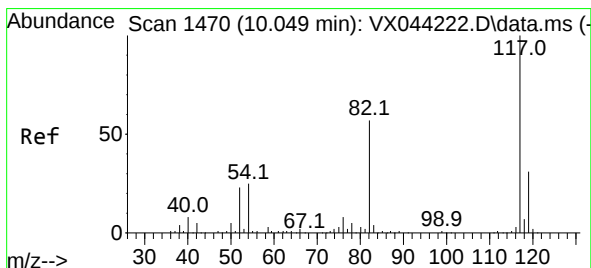
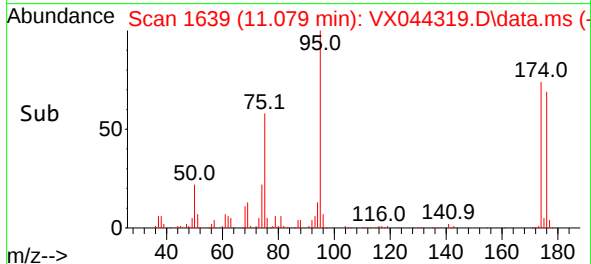
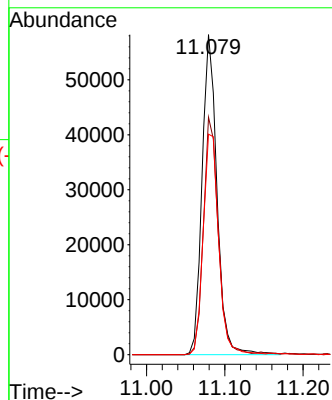
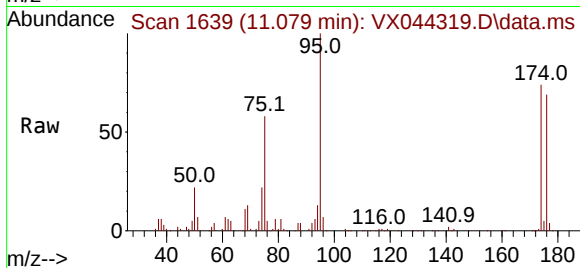




#62  
4-Bromofluorobenzene  
Concen: 45.480 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24

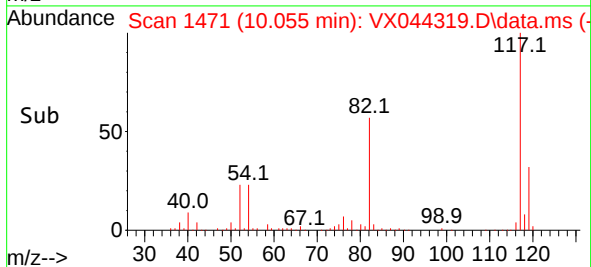
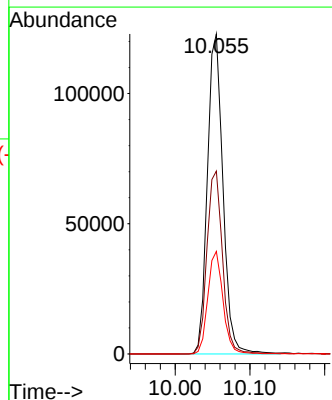
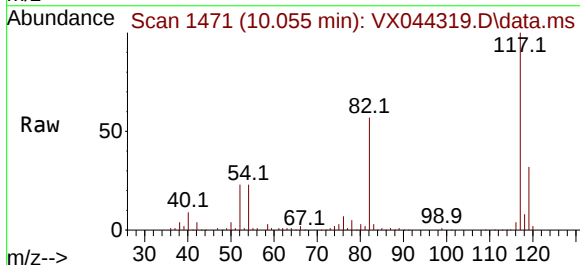
Instrument :  
MSVOA\_X  
ClientSampleId :

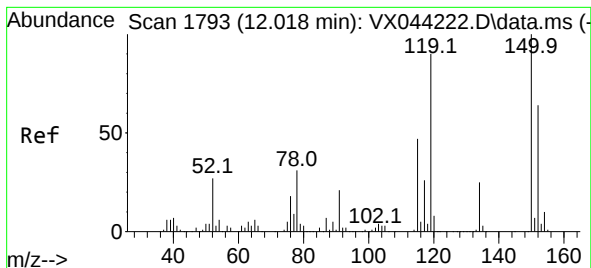
Tgt Ion: 95 Resp: 77001  
Ion Ratio Lower Upper  
95 100  
174 73.1 0.0 145.8  
176 71.9 0.0 137.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: VX044319.D  
Acq: 16 Dec 2024 13:24

Tgt Ion: 117 Resp: 177488  
Ion Ratio Lower Upper  
117 100  
82 57.1 45.8 68.8  
119 32.1 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044319.D

Acq: 16 Dec 2024 13:24

Instrument :

MSVOA\_X

ClientSampleId :

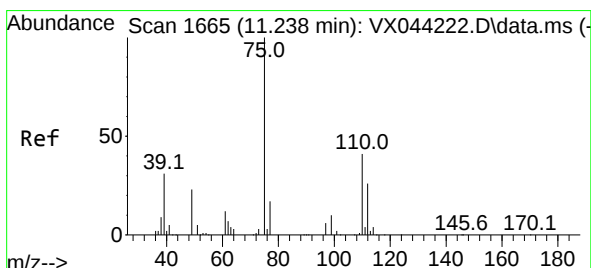
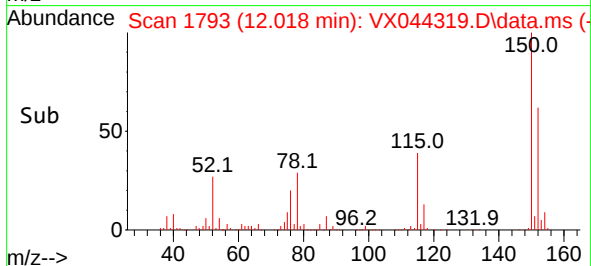
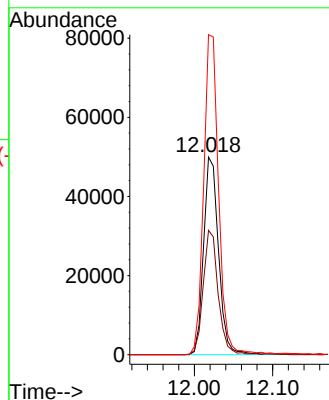
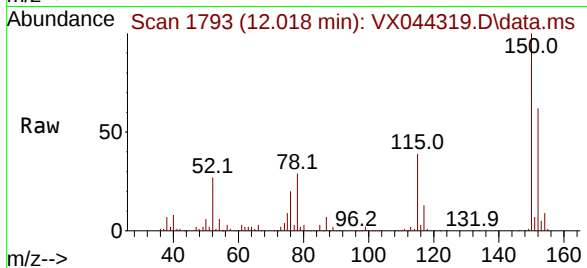
Tgt Ion:152 Resp: 66190

Ion Ratio Lower Upper

152 100

115 63.0 44.5 133.3

150 161.6 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 30.051 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044319.D

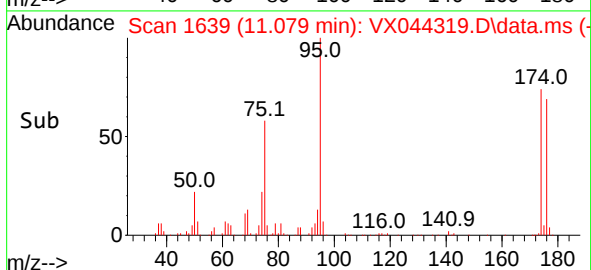
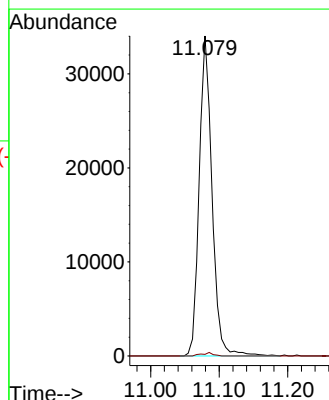
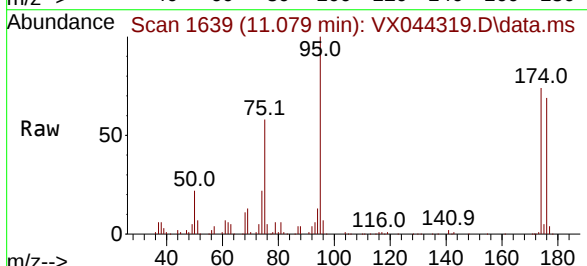
Acq: 16 Dec 2024 13:24

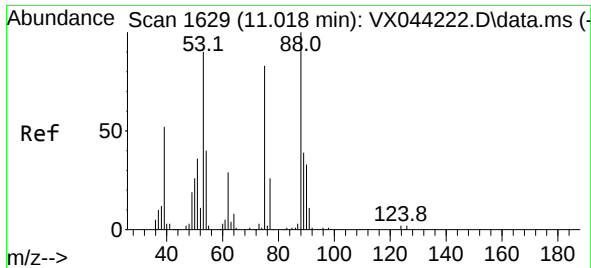
Tgt Ion: 75 Resp: 44412

Ion Ratio Lower Upper

75 100

77 0.9 20.9 62.7#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 82.083 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX044319.D  
 Acq: 16 Dec 2024 13:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tgt Ion: 75 Resp: 44412  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 93.6 140.4#  
 89 0.0 37.3 55.9#

