

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122223\  
 Data File : VX039446.D  
 Acq On : 22 Dec 2023 17:35  
 Operator : JC/MD  
 Sample : 05966-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 23 06:28:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

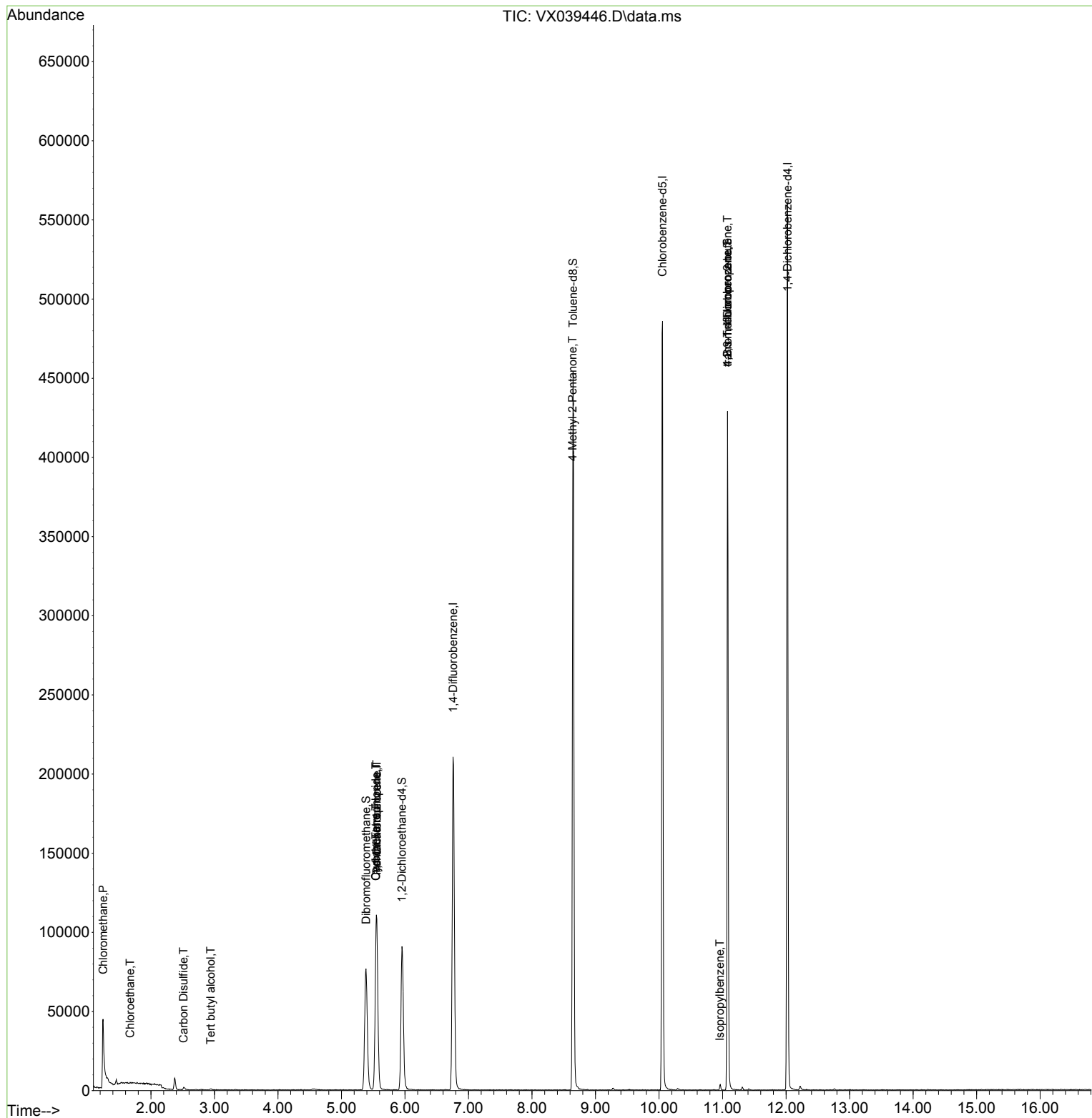
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 94295    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 202767   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 211249   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 106989   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 88783    | 51.396    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 102.800% |
| 35) Dibromofluoromethane      | 5.385  | 113   | 67123    | 47.917    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 95.840%  |
| 50) Toluene-d8                | 8.646  | 98    | 259126   | 49.827    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 99.660%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 114727   | 53.468    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 106.940% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.245  | 50    | 1229     | 0.837     | ug/l # | 43       |
| 6) Chloroethane               | 1.672  | 64    | 912      | 1.108     | ug/l # | 43       |
| 11) Tert butyl alcohol        | 2.940  | 59    | 562      | 1.296     | ug/l # | 78       |
| 16) Acetone                   | 2.373  | 43    | 8004     | Below Cal |        | 93       |
| 17) Carbon Disulfide          | 2.513  | 76    | 788      | 0.222     | ug/l # | 76       |
| 31) Cyclohexane               | 5.543  | 56    | 2945     | 1.320     | ug/l # | 26       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 10078    | 4.559     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.543  | 117   | 11044    | 5.235     | ug/l # | 14       |
| 51) 4-Methyl-2-Pentanone      | 8.640  | 43    | 1451     | 0.513     | ug/l # | 1        |
| 73) Isopropylbenzene          | 10.957 | 105   | 1858     | 0.225     | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 63032    | 22.772    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 63032    | 64.239    | ug/l # | 5        |
| -----                         |        |       |          |           |        |          |

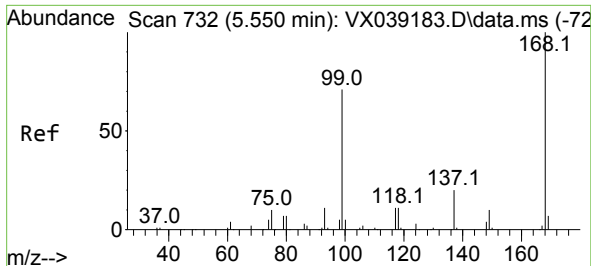
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122223\  
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Sample : 05966-10  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Dec 23 06:28:02 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 14 01:28:15 2023  
Response via : Initial Calibration

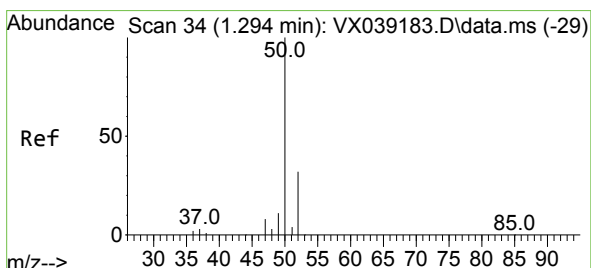
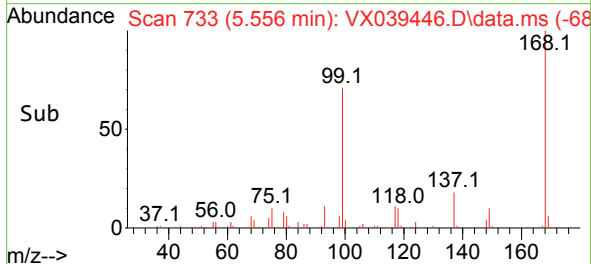
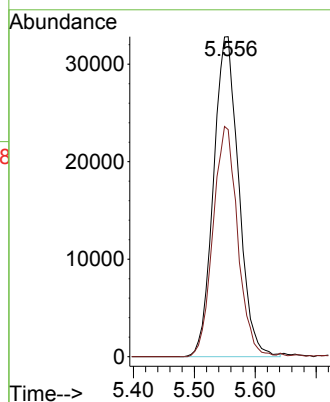
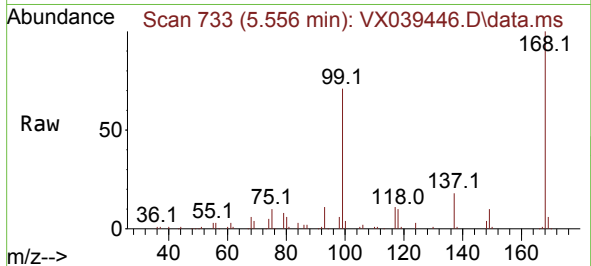




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

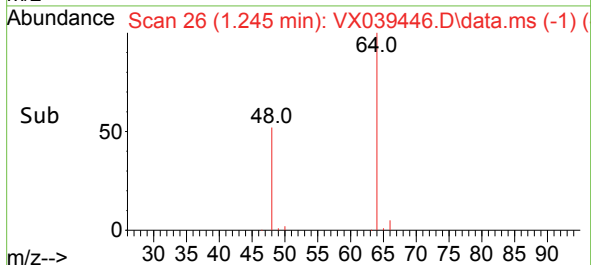
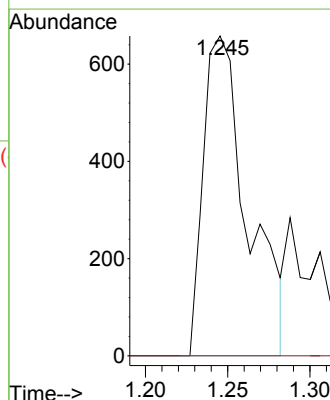
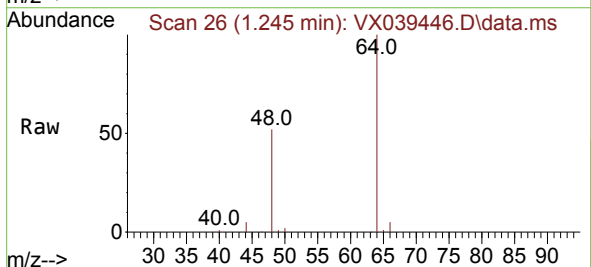
Instrument :  
MSVOA\_X  
ClientSampleId :

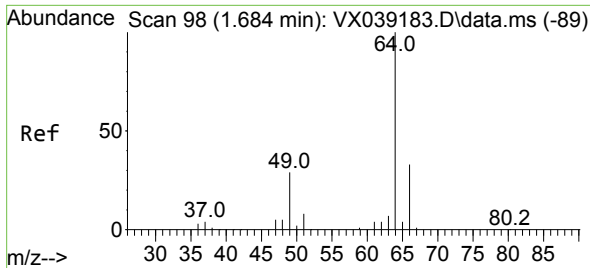
Tgt Ion:168 Resp: 94295  
Ion Ratio Lower Upper  
168 100  
99 71.0 56.6 85.0



#3  
Chloromethane  
Concen: 0.837 ug/l  
RT: 1.245 min Scan# 26  
Delta R.T. -0.049 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

Tgt Ion: 50 Resp: 1229  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.5 38.3#

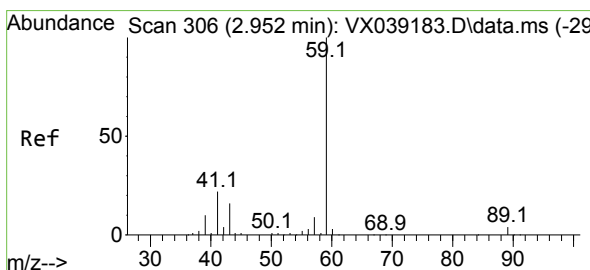
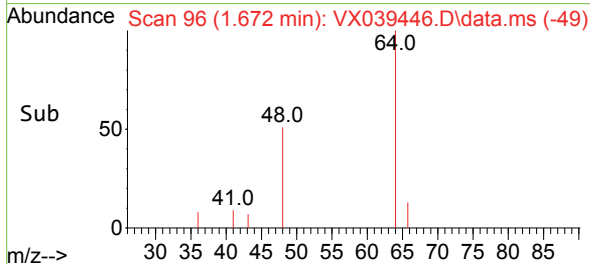
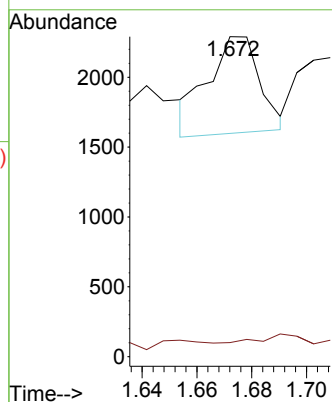
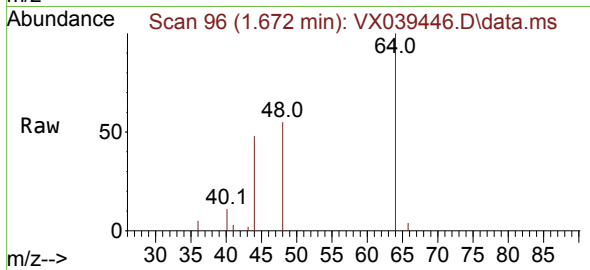




#6  
Chloroethane  
Concen: 1.108 ug/l  
RT: 1.672 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

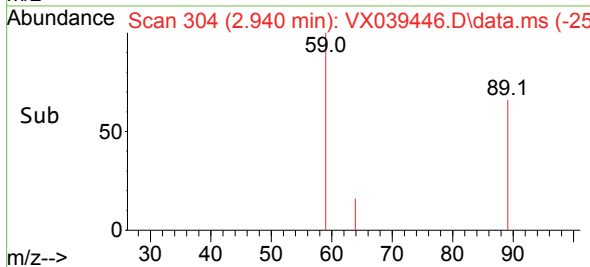
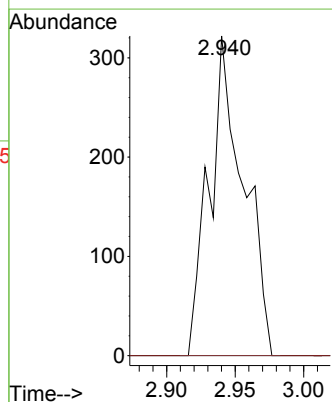
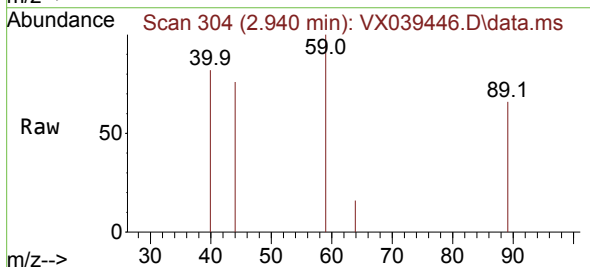
Instrument :  
MSVOA\_X  
ClientSampleId :

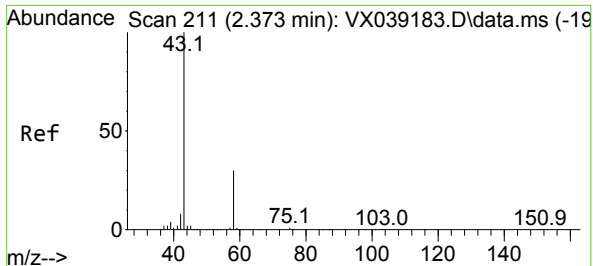
Tgt Ion: 64 Resp: 912  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#



#11  
Tert butyl alcohol  
Concen: 1.296 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.012 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

Tgt Ion: 59 Resp: 562  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

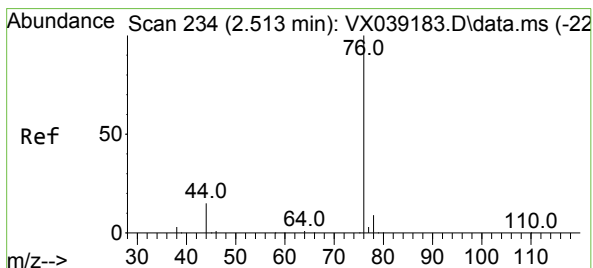
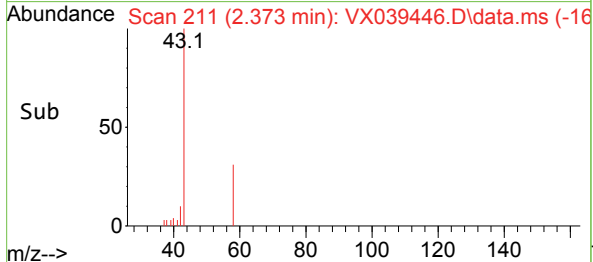
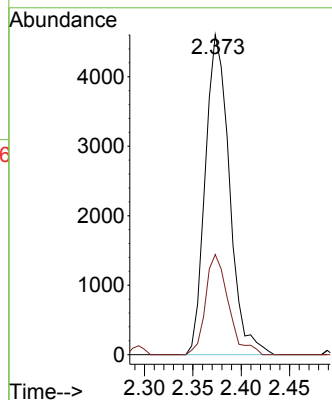
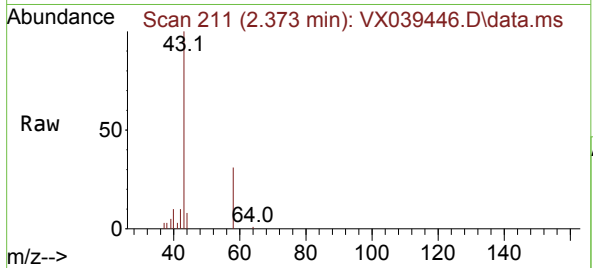




#16  
Acetone  
Concen: Below Cal  
RT: 2.373 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

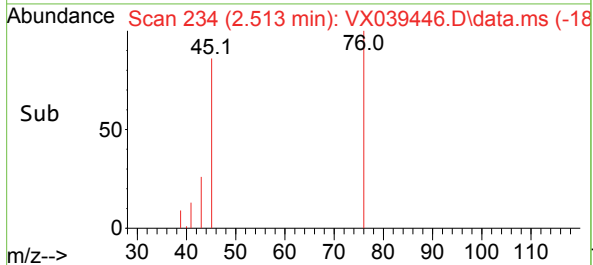
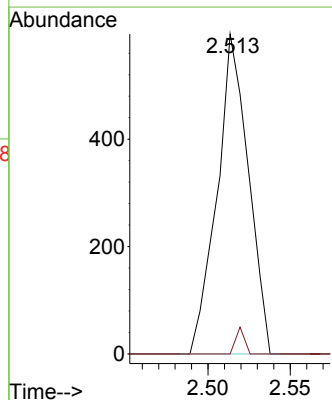
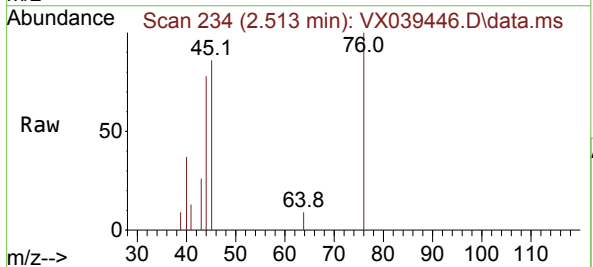
Instrument :  
MSVOA\_X  
ClientSampleId :

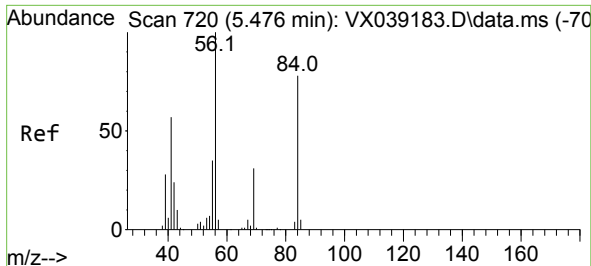
Tgt Ion: 43 Resp: 8004  
Ion Ratio Lower Upper  
43 100  
58 31.3 21.9 32.9



#17  
Carbon Disulfide  
Concen: 0.222 ug/l  
RT: 2.513 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

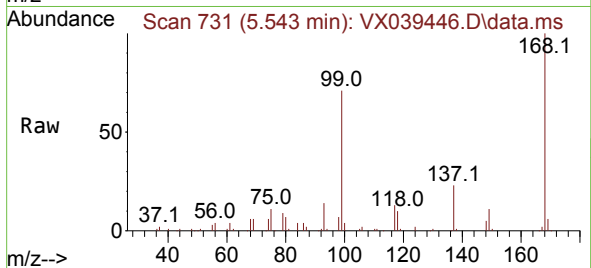
Tgt Ion: 76 Resp: 788  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.6#



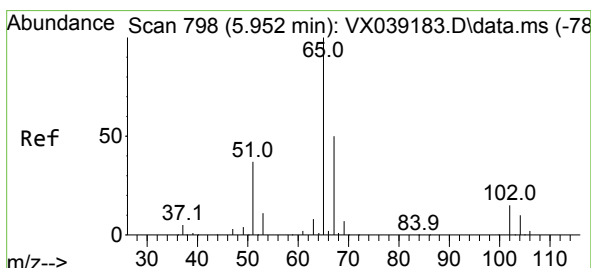
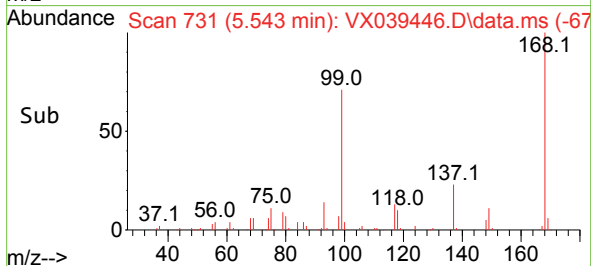
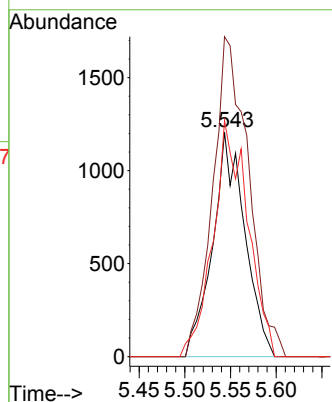


#31  
Cyclohexane  
Concen: 1.320 ug/l  
RT: 5.543 min Scan# 71  
Delta R.T. 0.067 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :

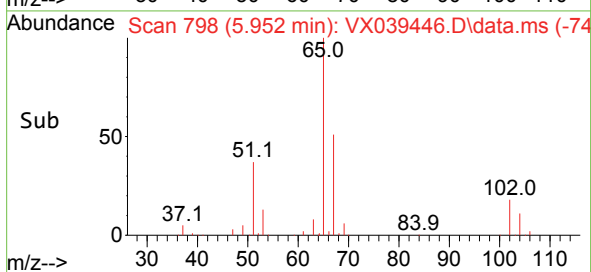
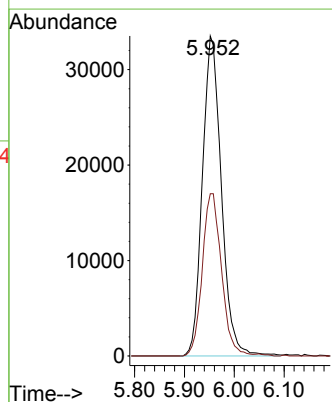
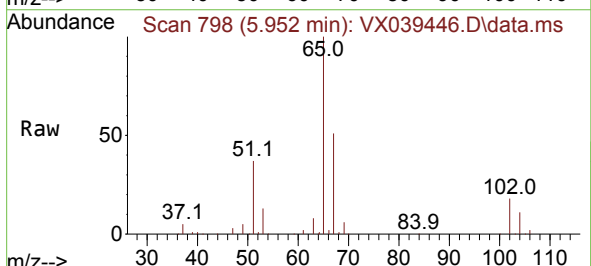


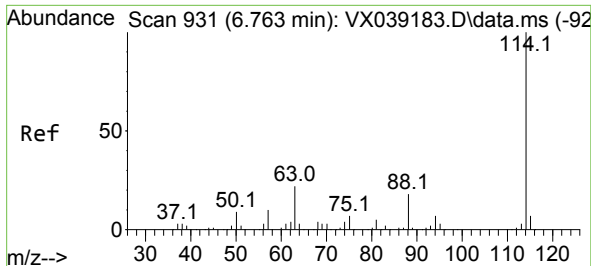
Tgt Ion: 56 Resp: 2945  
Ion Ratio Lower Upper  
56 100  
69 142.5 23.4 35.2#  
84 105.2 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 51.396 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

Tgt Ion: 65 Resp: 88783  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 100.2

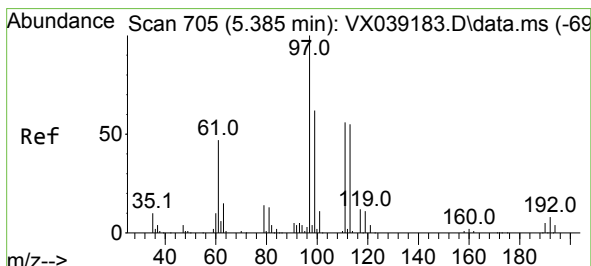
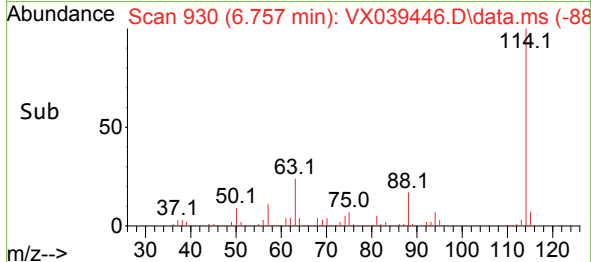
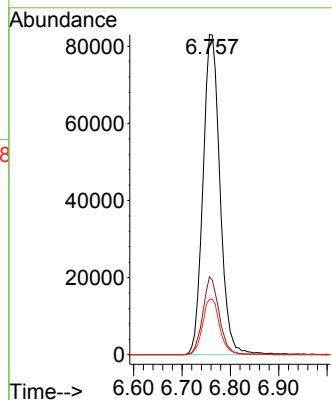
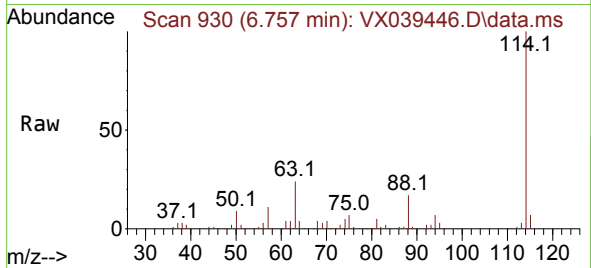




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

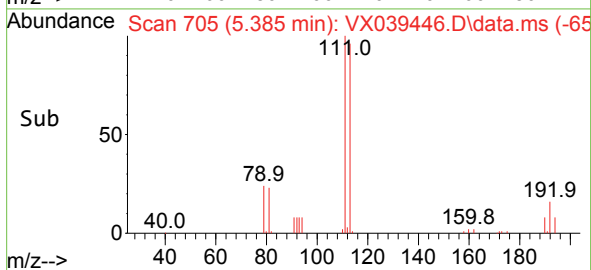
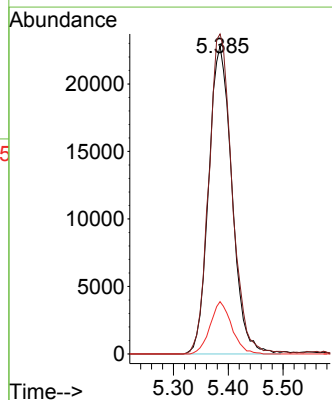
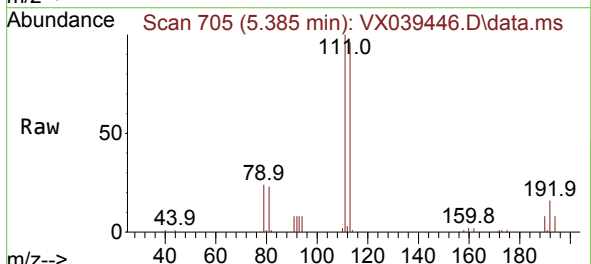
Instrument :  
MSVOA\_X  
ClientSampleId :

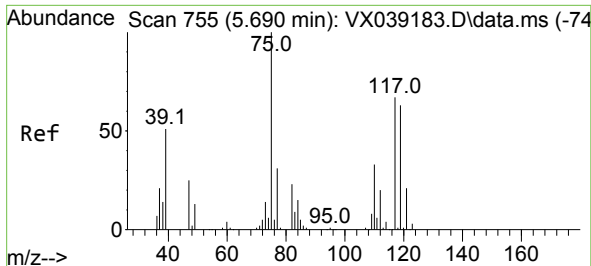
Tgt Ion:114 Resp: 202767  
Ion Ratio Lower Upper  
114 100  
63 24.3 0.0 45.0  
88 17.3 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 47.917 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

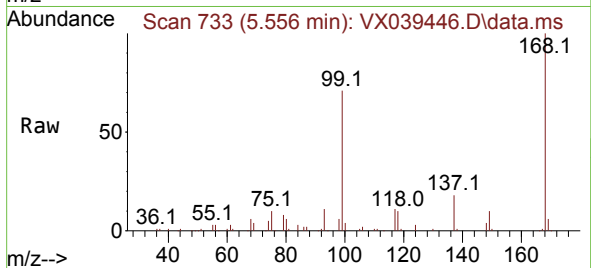
Tgt Ion:113 Resp: 67123  
Ion Ratio Lower Upper  
113 100  
111 104.2 82.9 124.3  
192 15.8 13.3 19.9



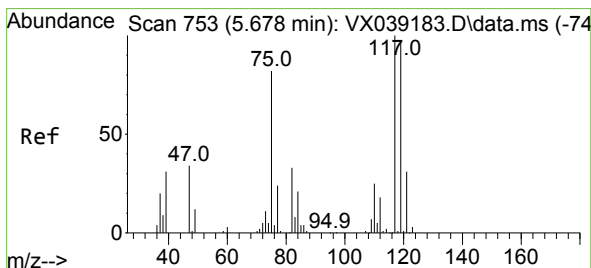
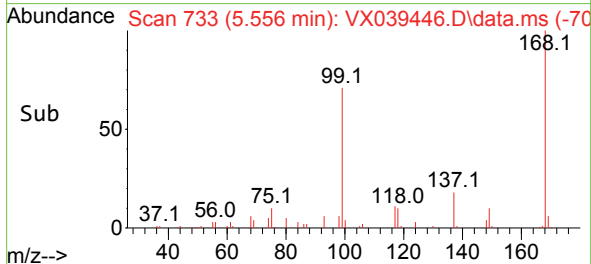
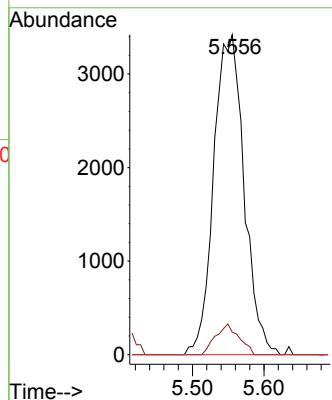


#36  
1,1-Dichloropropene  
Concen: 4.559 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.134 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :

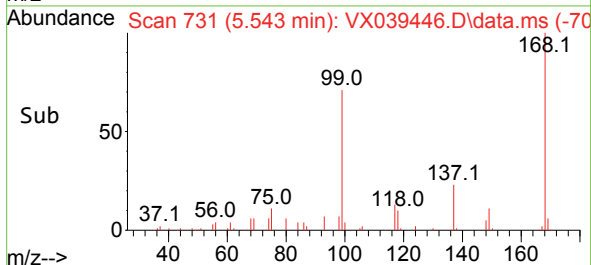
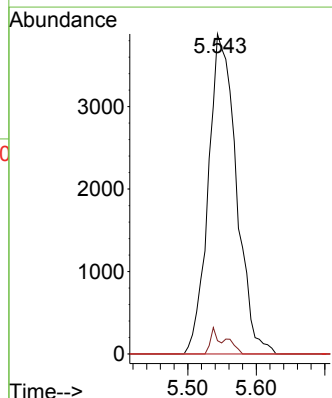
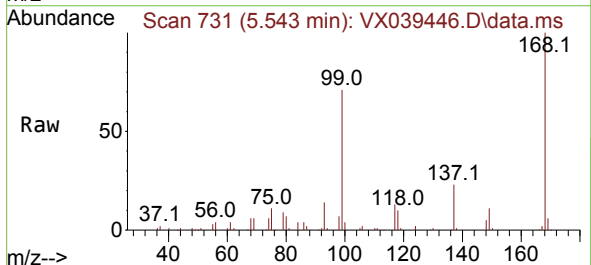


Tgt Ion: 75 Resp: 10078  
Ion Ratio Lower Upper  
75 100  
110 7.4 17.0 50.9#  
77 0.0 24.7 37.1#

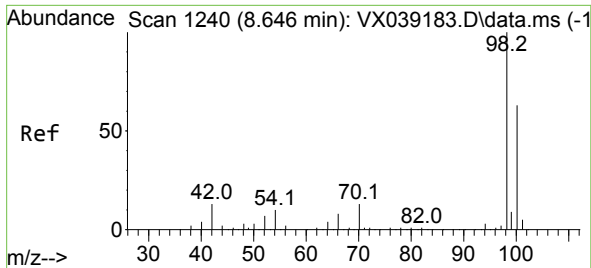


#38  
Carbon Tetrachloride  
Concen: 5.235 ug/l  
RT: 5.543 min Scan# 731  
Delta R.T. -0.134 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

Tgt Ion: 117 Resp: 11044  
Ion Ratio Lower Upper  
117 100  
119 4.1 78.2 117.2#  
121 0.0 24.4 36.6#



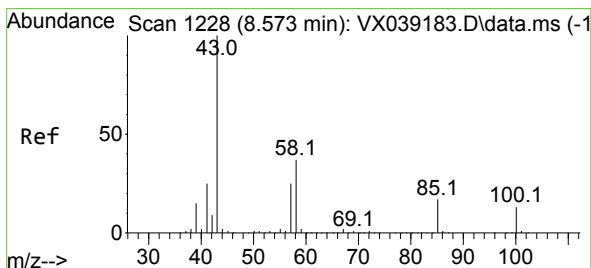
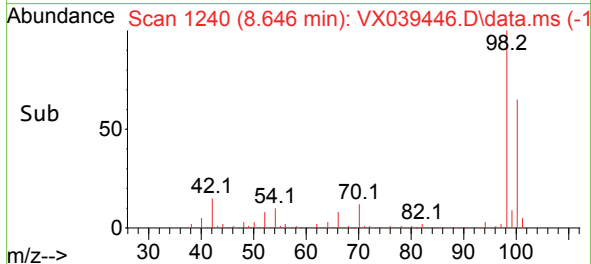
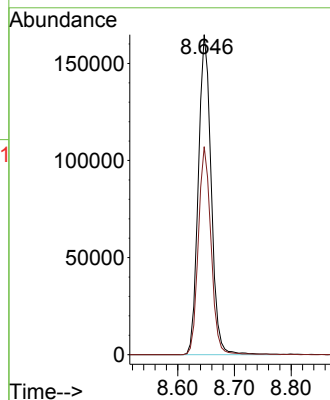
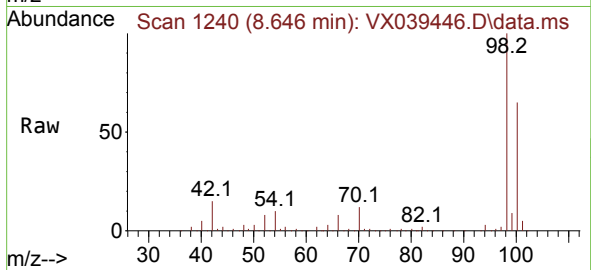




#50  
Toluene-d8  
Concen: 49.827 ug/l  
RT: 8.646 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

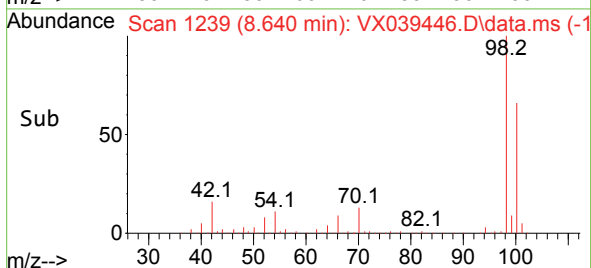
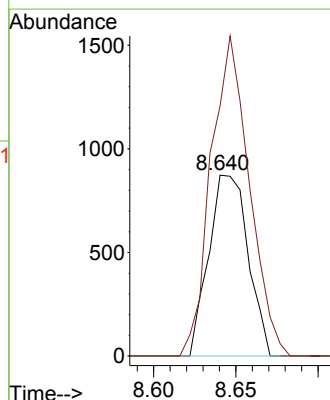
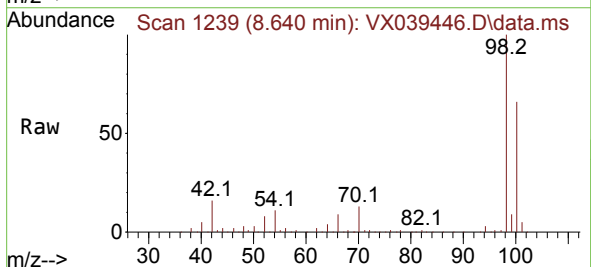
Instrument :  
MSVOA\_X  
ClientSampleId :

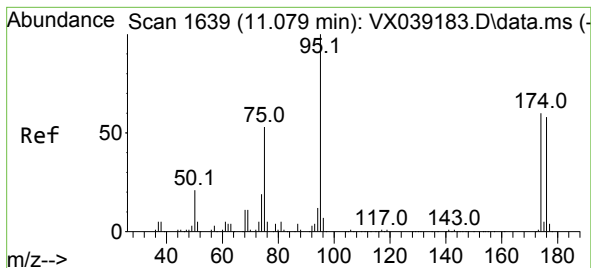
Tgt Ion: 98 Resp: 259126  
Ion Ratio Lower Upper  
98 100  
100 64.3 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.513 ug/l  
RT: 8.640 min Scan# 1239  
Delta R.T. 0.067 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

Tgt Ion: 43 Resp: 1451  
Ion Ratio Lower Upper  
43 100  
58 172.6 30.4 45.6#

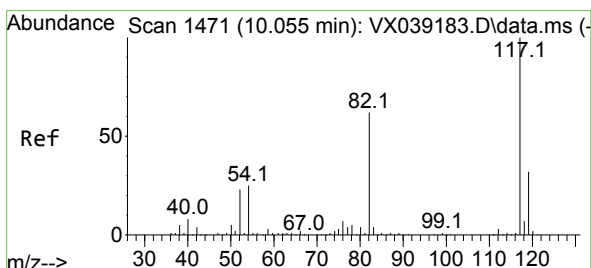
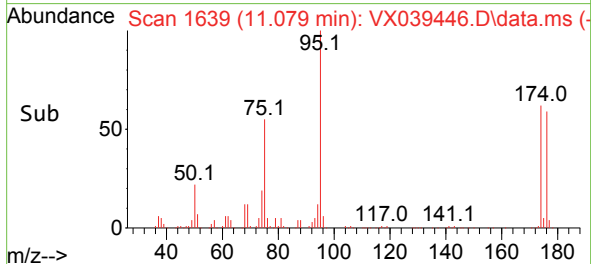
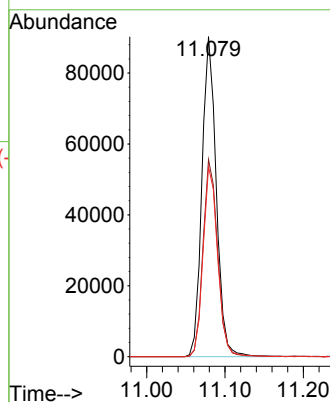
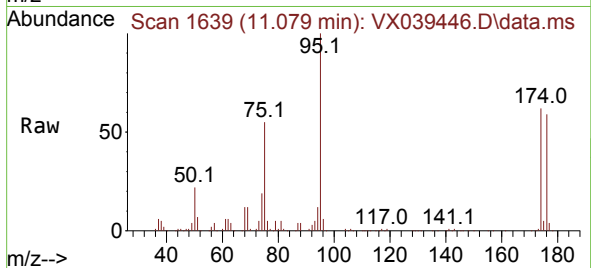




#62  
4-Bromofluorobenzene  
Concen: 53.468 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

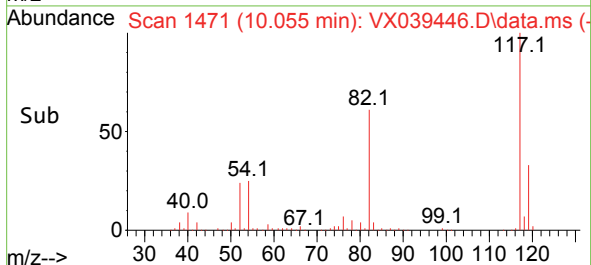
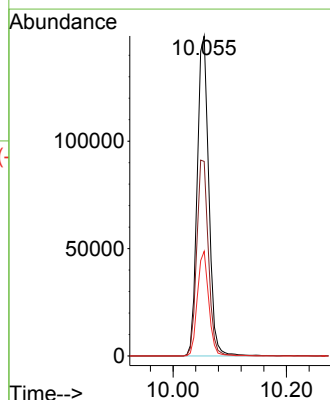
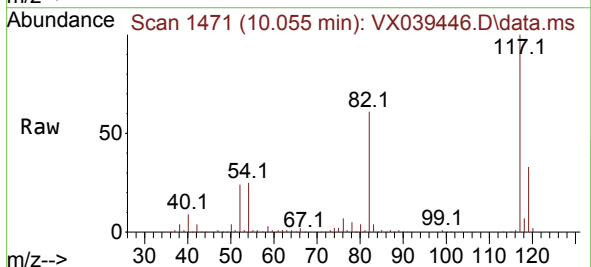
Instrument :  
MSVOA\_X  
ClientSampleId :

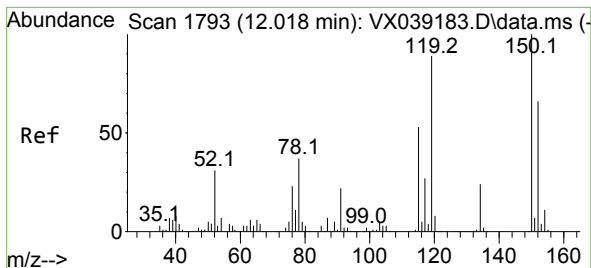
Tgt Ion: 95 Resp: 114727  
Ion Ratio Lower Upper  
95 100  
174 62.8 0.0 135.6  
176 60.4 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX039446.D  
Acq: 22 Dec 2023 17:35

Tgt Ion: 117 Resp: 211249  
Ion Ratio Lower Upper  
117 100  
82 60.8 46.2 69.4  
119 32.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039446.D

Acq: 22 Dec 2023 17:35

Instrument :

MSVOA\_X

ClientSampleId :

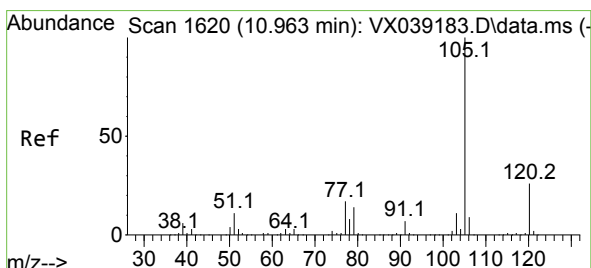
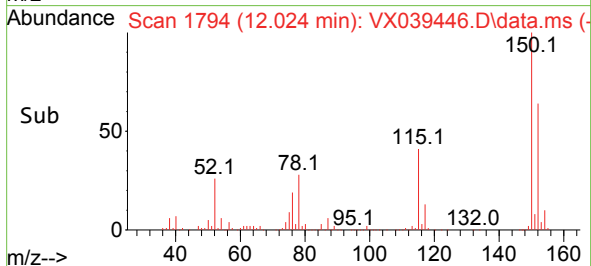
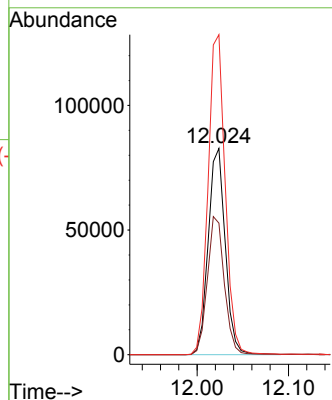
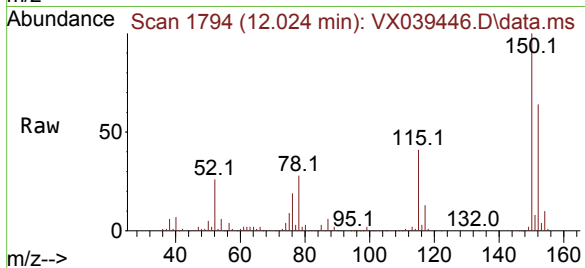
Tgt Ion:152 Resp: 106989

Ion Ratio Lower Upper

152 100

115 66.9 43.3 129.9

150 155.8 0.0 345.0



#73

Isopropylbenzene

Concen: 0.225 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.006 min

Lab File: VX039446.D

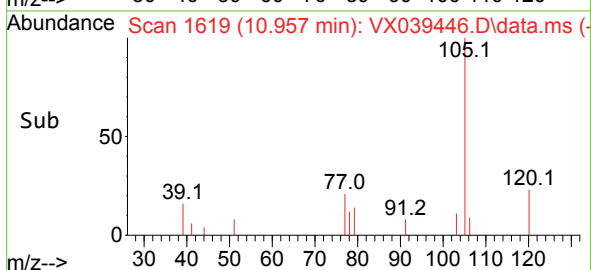
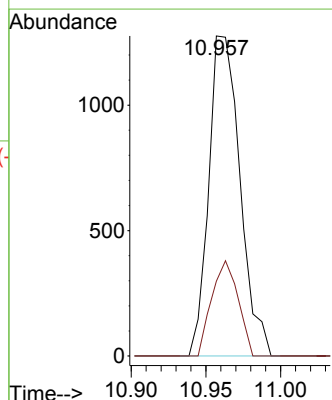
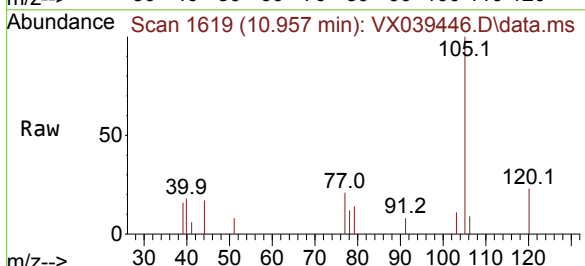
Acq: 22 Dec 2023 17:35

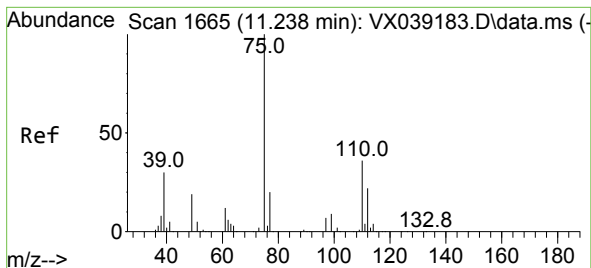
Tgt Ion:105 Resp: 1858

Ion Ratio Lower Upper

105 100

120 25.0 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 22.772 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039446.D

Acq: 22 Dec 2023 17:35

Instrument :

MSVOA\_X

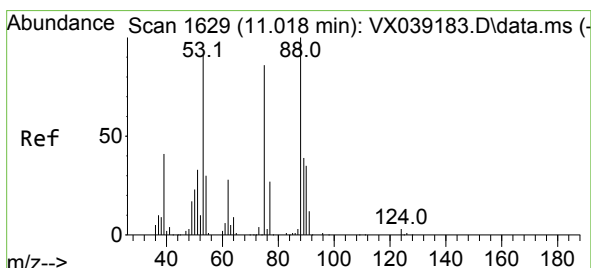
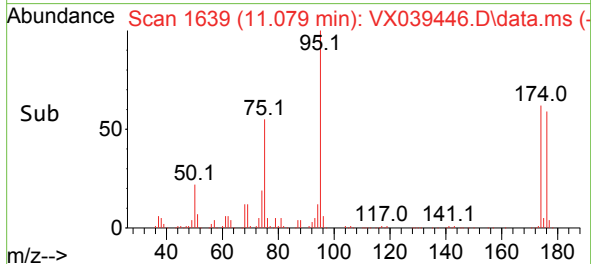
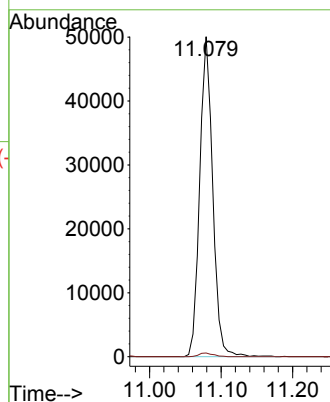
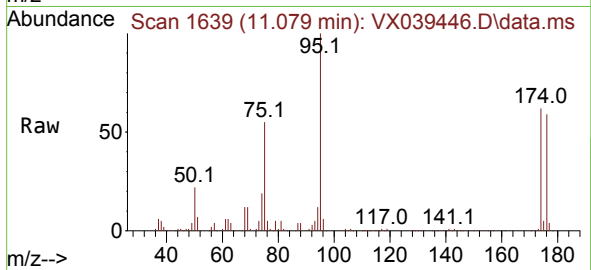
ClientSampleId :

Tgt Ion: 75 Resp: 63032

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.239 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039446.D

Acq: 22 Dec 2023 17:35

Tgt Ion: 75 Resp: 63032

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

