

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111323\  
 Data File : VX038780.D  
 Acq On : 13 Nov 2023 14:45  
 Operator : JC/MD  
 Sample : 05358-02DL 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 14 05:32:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110723W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 08 03:19:07 2023  
 Response via : Initial Calibration

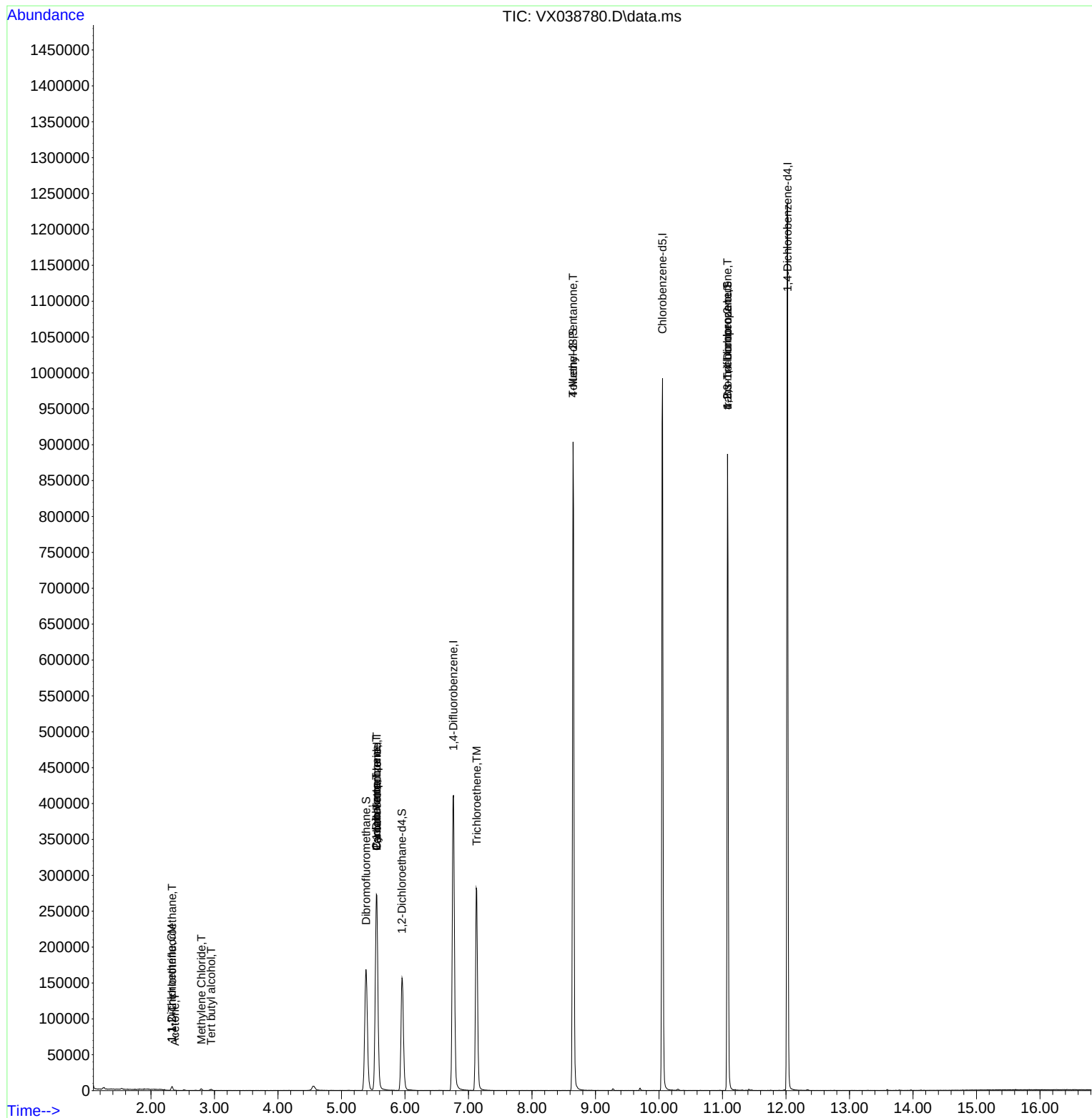
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 291274   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 480721   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 506823   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 294366   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 157176   | 43.344   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =     | 86.680%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 155191   | 44.823   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =     | 89.640%  |
| 50) Toluene-d8                | 8.647  | 98    | 574889   | 46.401   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =     | 92.800%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 244537   | 50.908   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =     | 101.820% |
| Target Compounds              |        |       |          |          |       |          |
|                               |        |       |          |          |       | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo...  | 2.331  | 101   | 1882     | 0.663    | ug/l  | # 84     |
| 11) Tert butyl alcohol        | 2.947  | 59    | 1037     | 1.399    | ug/l  | # 78     |
| 12) 1,1-Dichloroethene        | 2.325  | 96    | 600      | 0.221    | ug/l  | 90       |
| 16) Acetone                   | 2.380  | 43    | 554      | 0.363    | ug/l  | # 89     |
| 20) Methylene Chloride        | 2.794  | 84    | 1481     | 0.481    | ug/l  | # 67     |
| 31) Cyclohexane               | 5.550  | 56    | 4116     | 1.026    | ug/l  | # 1      |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 18337    | 4.264    | ug/l  | # 50     |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 26617    | 5.536    | ug/l  | # 15     |
| 44) Trichloroethene           | 7.129  | 130   | 121320   | 31.477   | ug/l  | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1699     | 0.386    | ug/l  | # 1      |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 113429   | 19.456   | ug/l  | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 113429   | 59.643   | ug/l  | # 5      |
| -----                         |        |       |          |          |       |          |

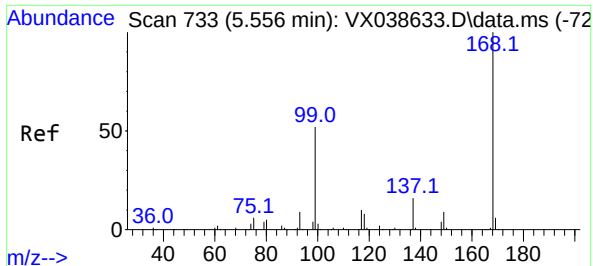
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111323\  
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Sample : 05358-02DL 50X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

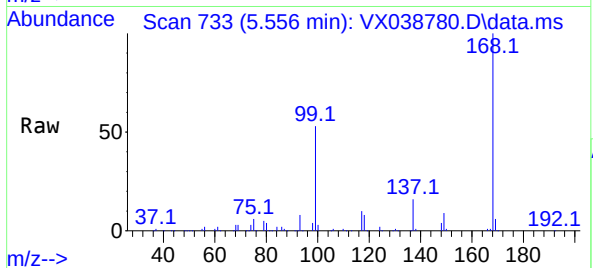
Quant Time: Nov 14 05:32:08 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110723W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 08 03:19:07 2023  
Response via : Initial Calibration



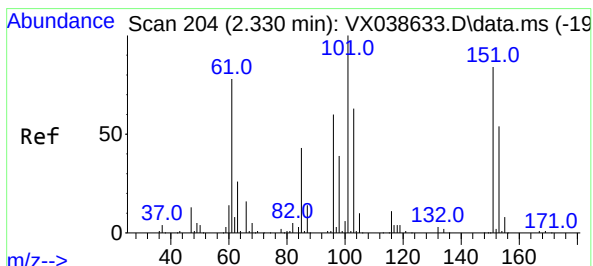
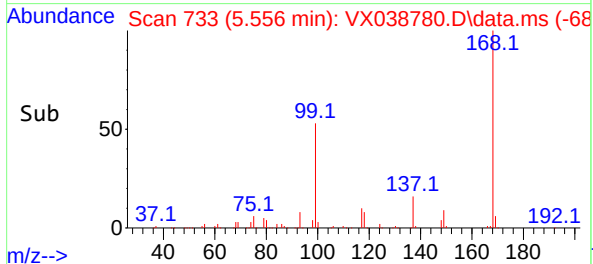
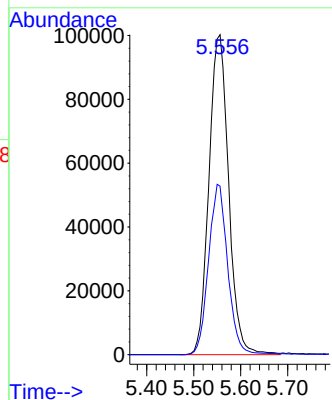


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45

Instrument :  
MSVOA\_X  
ClientSampleId :

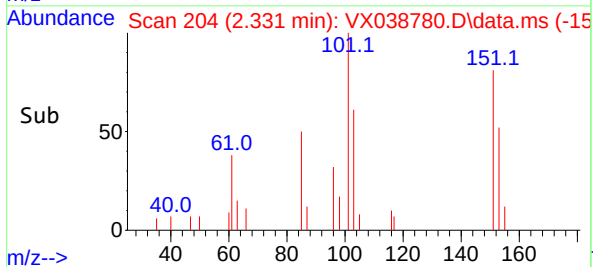
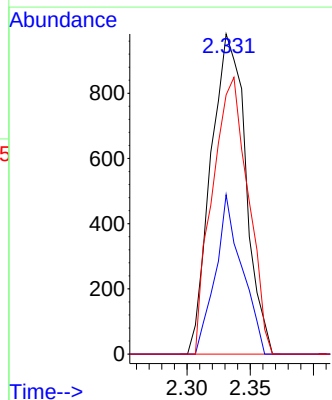
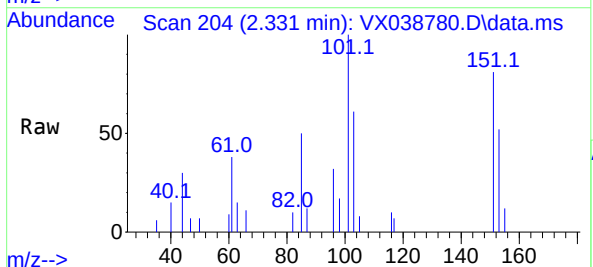


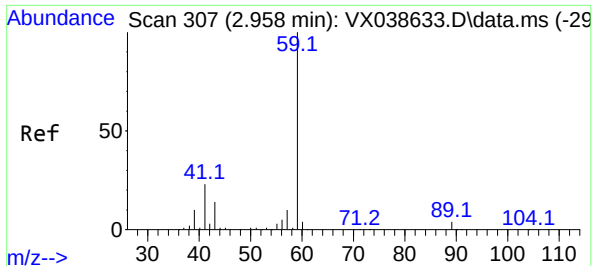
Tgt Ion:168 Resp: 291274  
Ion Ratio Lower Upper  
168 100  
99 52.6 56.6 85.0#



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.663 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.000 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45

Tgt Ion:101 Resp: 1882  
Ion Ratio Lower Upper  
101 100  
85 38.0 37.0 55.6  
151 88.8 58.6 87.8#





#11

Tert butyl alcohol

Concen: 1.399 ug/l

RT: 2.947 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX038780.D

Acq: 13 Nov 2023 14:45

Instrument :

MSVOA\_X

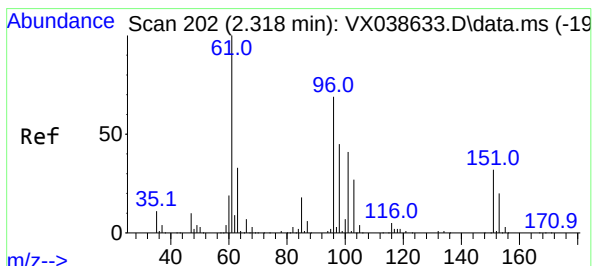
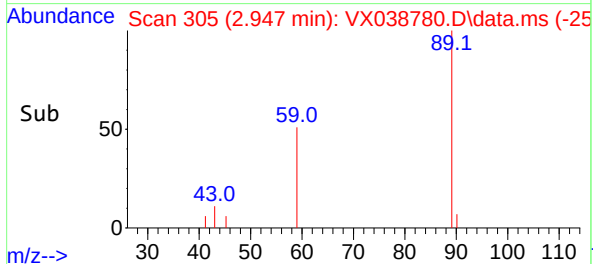
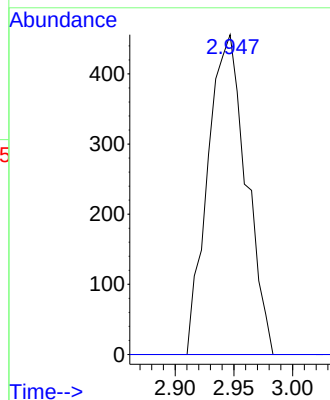
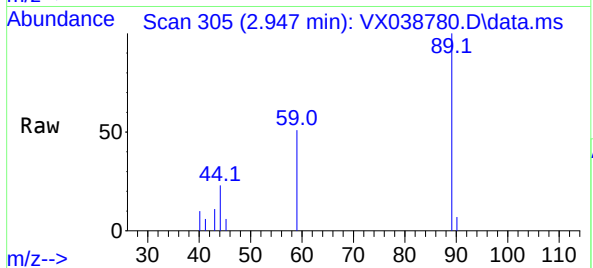
ClientSampleId :

Tgt Ion: 59 Resp: 1037

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.221 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.007 min

Lab File: VX038780.D

Acq: 13 Nov 2023 14:45

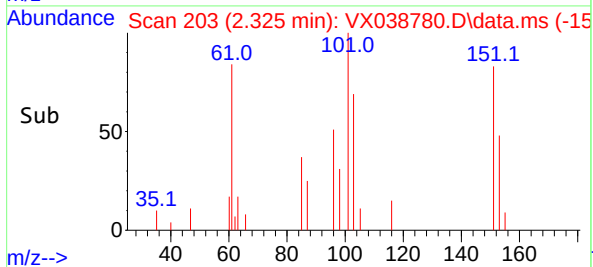
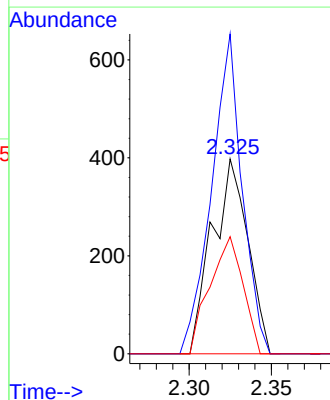
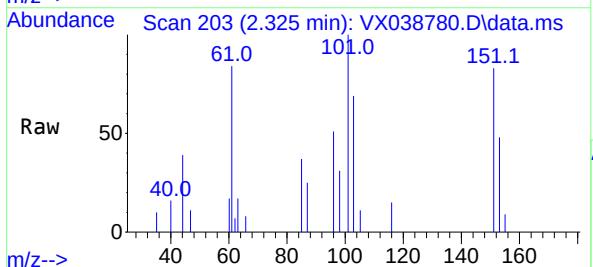
Tgt Ion: 96 Resp: 600

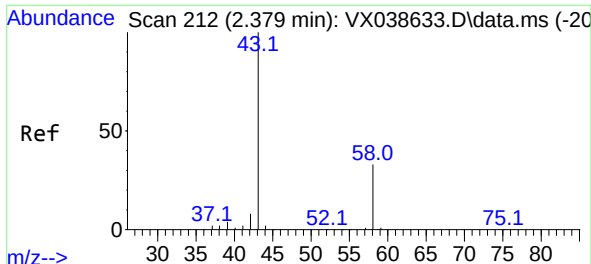
Ion Ratio Lower Upper

96 100

61 164.1 144.6 216.8

98 60.1 50.4 75.6

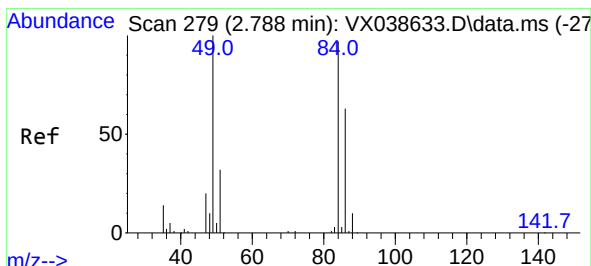
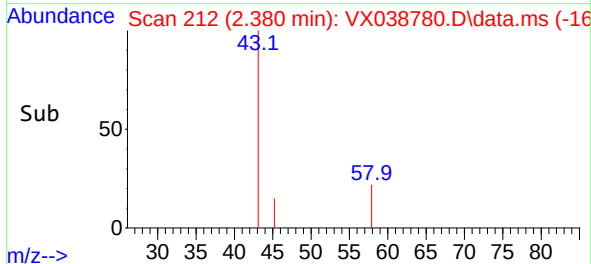
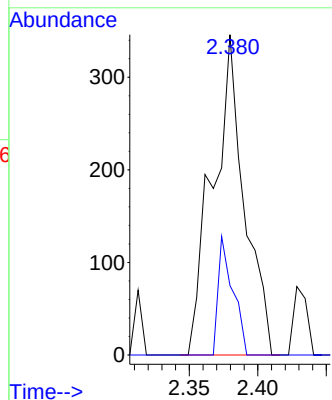
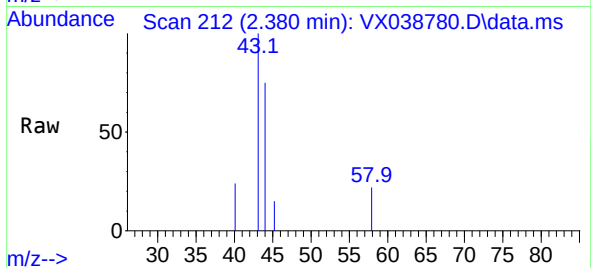




#16  
Acetone  
Concen: 0.363 ug/l  
RT: 2.380 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45

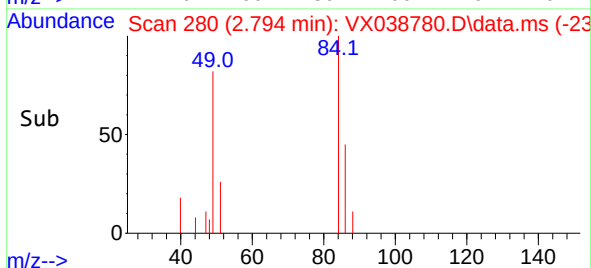
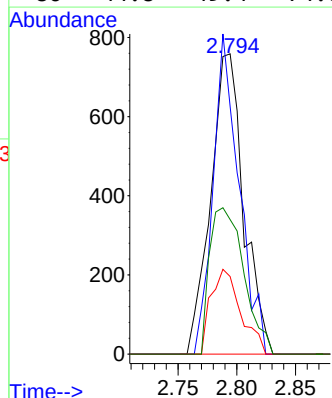
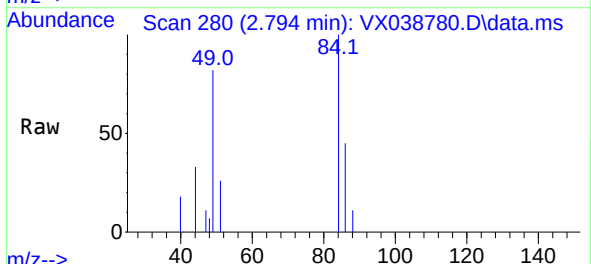
Instrument :  
MSVOA\_X  
ClientSampleId :

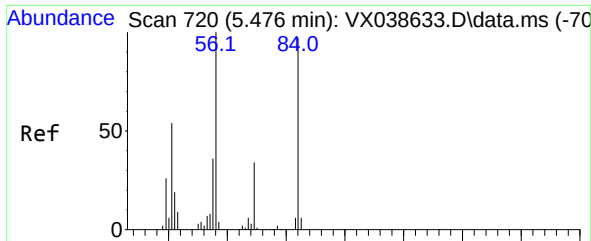
Tgt Ion: 43 Resp: 554  
Ion Ratio Lower Upper  
43 100  
58 21.7 21.9 32.9#



#20  
Methylene Chloride  
Concen: 0.481 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.007 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45

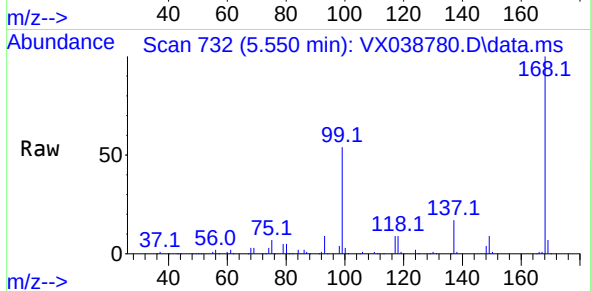
Tgt Ion: 84 Resp: 1481  
Ion Ratio Lower Upper  
84 100  
49 82.5 103.6 155.4#  
51 25.8 33.8 50.6#  
86 44.8 49.4 74.0#



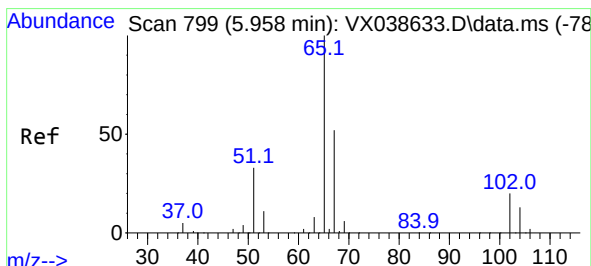
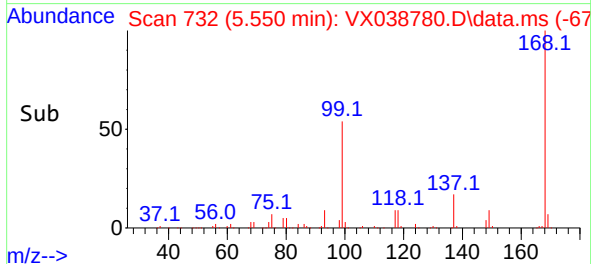
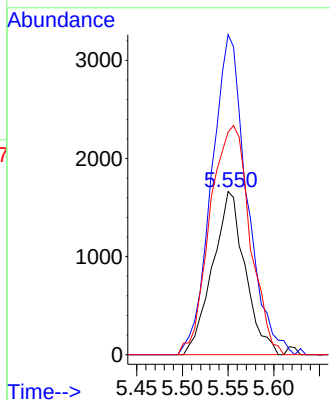


#31  
Cyclohexane  
Concen: 1.026 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.074 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45

Instrument :  
MSVOA\_X  
ClientSampleId :

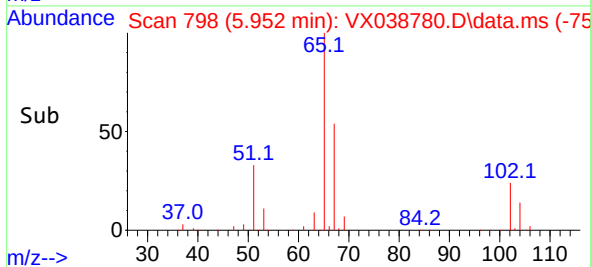
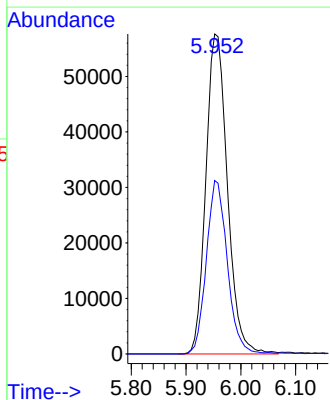
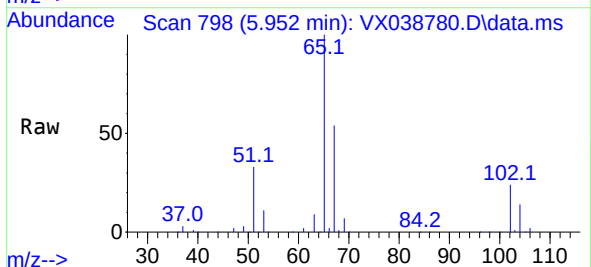


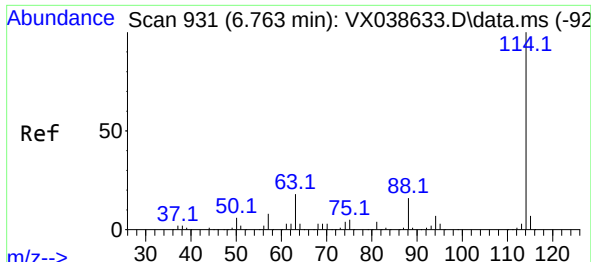
Tgt Ion: 56 Resp: 4116  
Ion Ratio Lower Upper  
56 100  
69 196.0 23.4 35.2#  
84 136.4 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 43.344 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45

Tgt Ion: 65 Resp: 157176  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 100.2

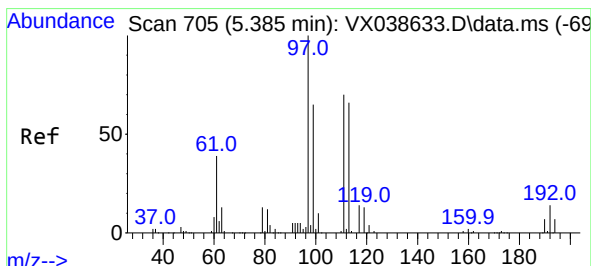
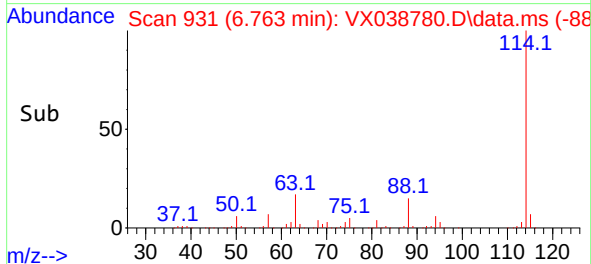
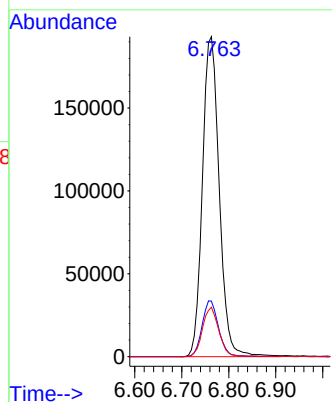
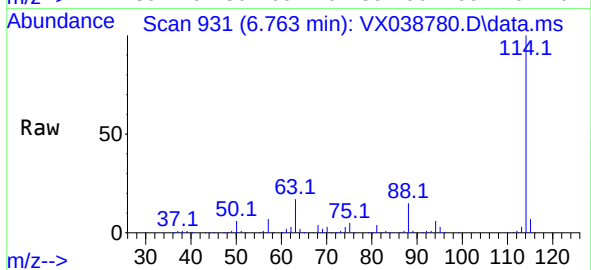




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45

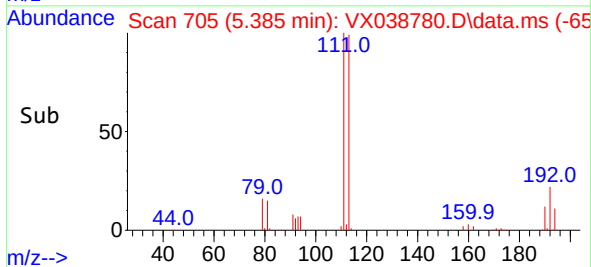
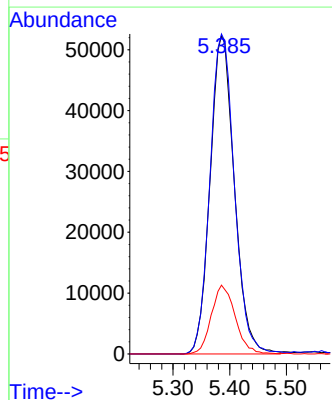
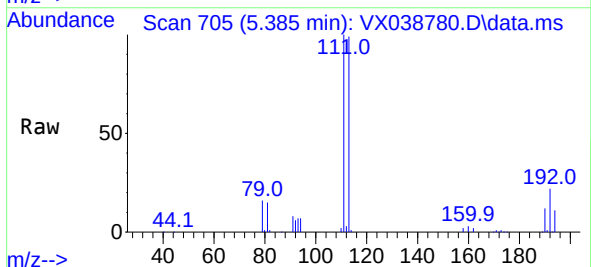
Instrument :  
MSVOA\_X  
ClientSampleId :

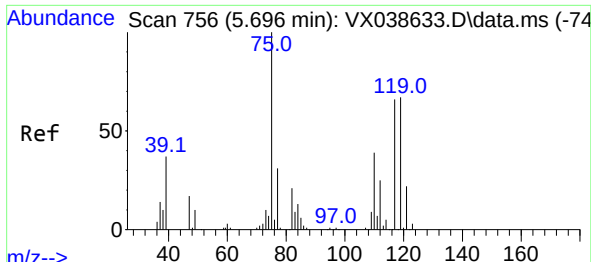
Tgt Ion:114 Resp: 480721  
Ion Ratio Lower Upper  
114 100  
63 17.4 0.0 45.0  
88 15.5 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 44.823 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45

Tgt Ion:113 Resp: 155191  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.9 124.3  
192 21.3 13.3 19.9#





#36

1,1-Dichloropropene

Concen: 4.264 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX038780.D

Acq: 13 Nov 2023 14:45

Instrument :

MSVOA\_X

ClientSampleId :

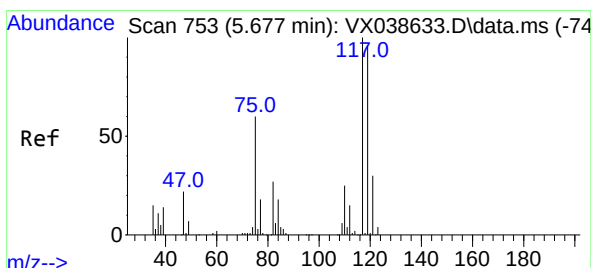
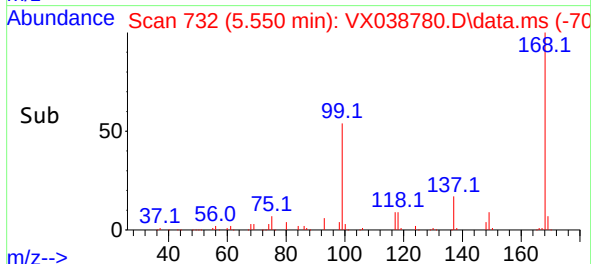
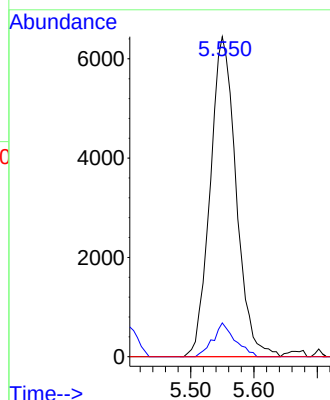
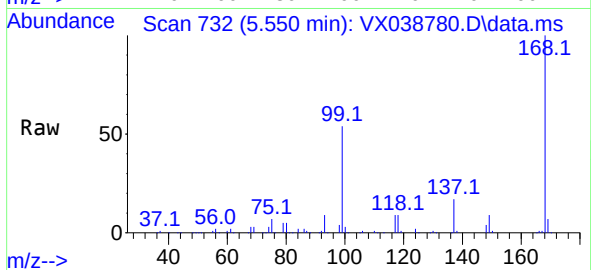
Tgt Ion: 75 Resp: 18337

Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.536 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.121 min

Lab File: VX038780.D

Acq: 13 Nov 2023 14:45

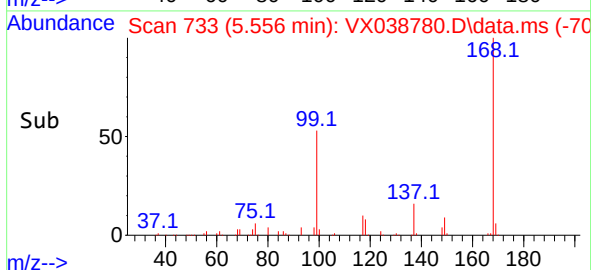
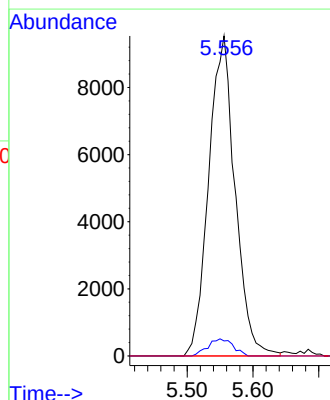
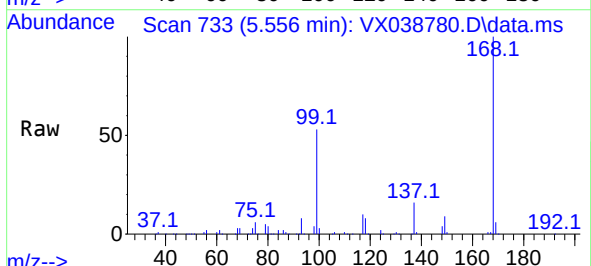
Tgt Ion:117 Resp: 26617

Ion Ratio Lower Upper

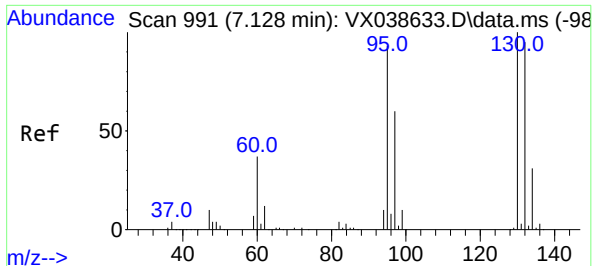
117 100

119 4.7 78.2 117.2#

121 0.0 24.4 36.6#

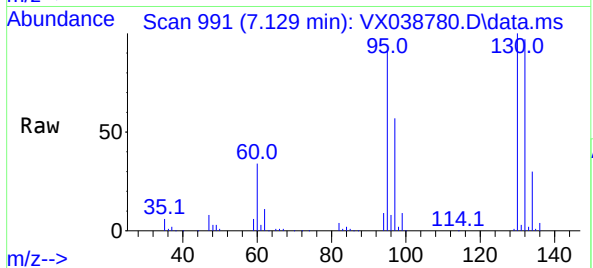




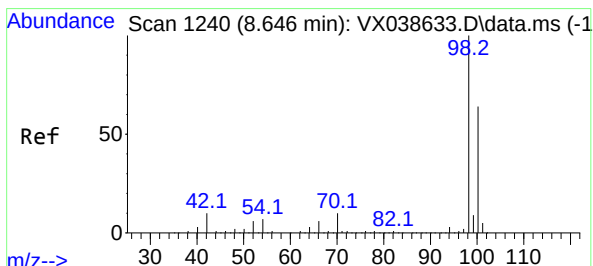
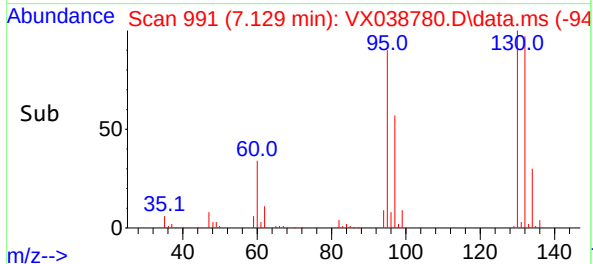
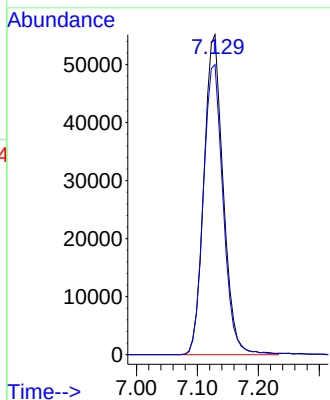


#44  
Trichloroethene  
Concen: 31.477 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45

Instrument :  
MSVOA\_X  
ClientSampleId :

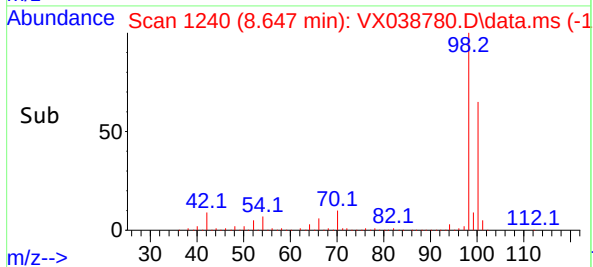
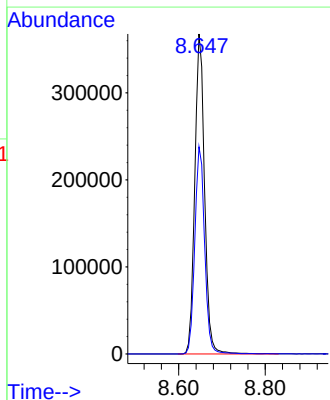
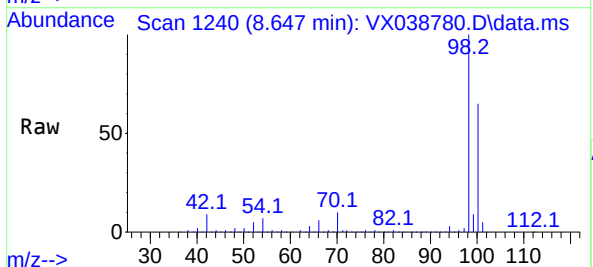


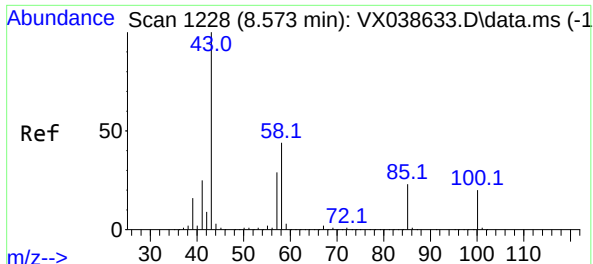
Tgt Ion:130 Resp: 121320  
Ion Ratio Lower Upper  
130 100  
95 90.7 0.0 204.4



#50  
Toluene-d8  
Concen: 46.401 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45

Tgt Ion: 98 Resp: 574889  
Ion Ratio Lower Upper  
98 100  
100 65.4 53.1 79.7

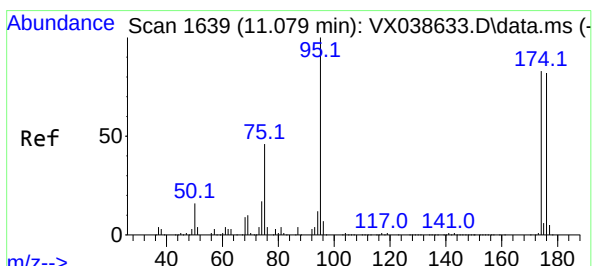
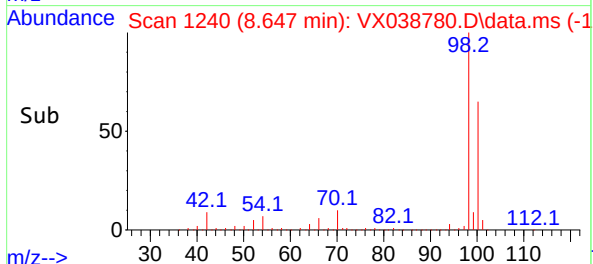
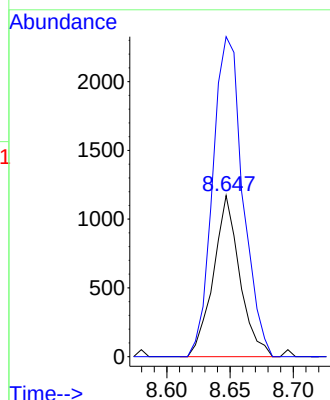
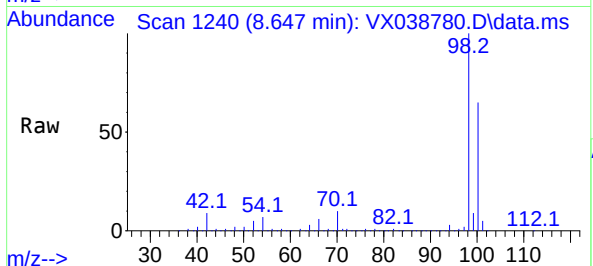




#51  
4-Methyl-2-Pentanone  
Concen: 0.386 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.074 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45

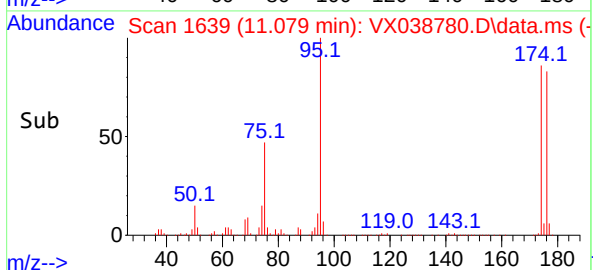
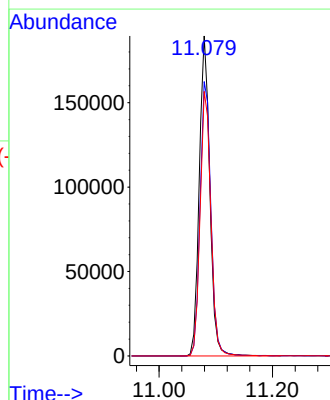
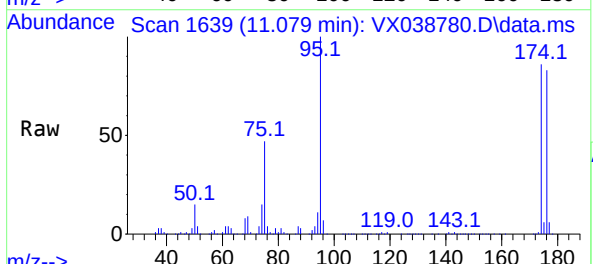
Instrument :  
MSVOA\_X  
ClientSampleId :

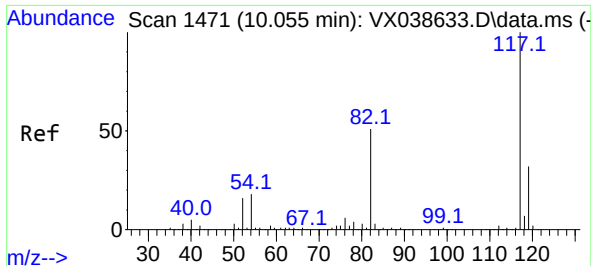
Tgt Ion: 43 Resp: 1699  
Ion Ratio Lower Upper  
43 100  
58 227.0 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 50.908 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45

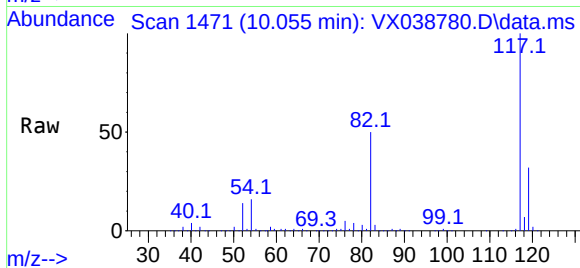
Tgt Ion: 95 Resp: 244537  
Ion Ratio Lower Upper  
95 100  
174 88.1 0.0 135.6  
176 84.4 0.0 131.0



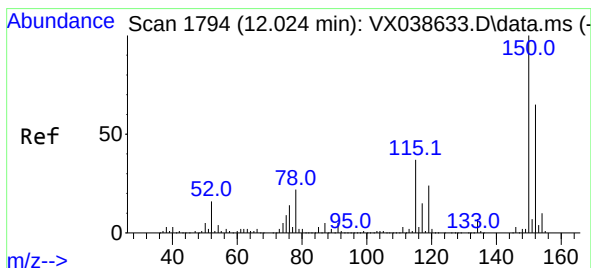
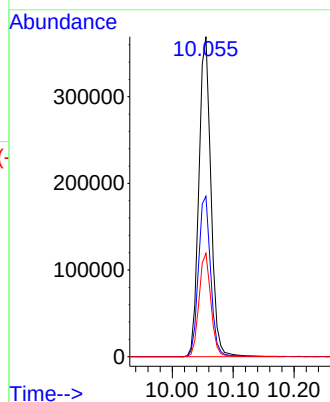
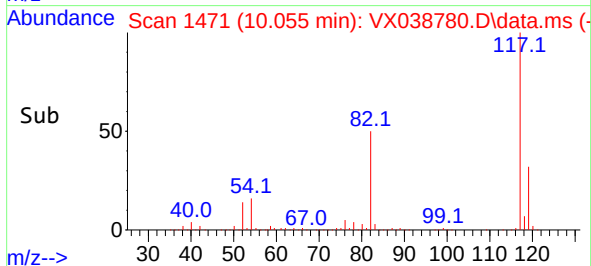


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45

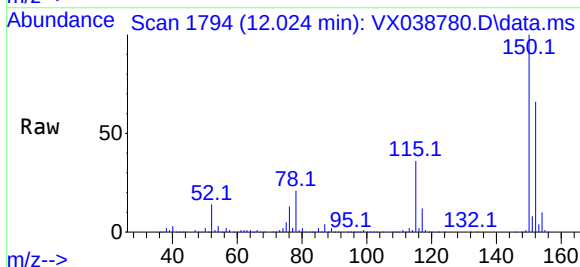
Instrument :  
MSVOA\_X  
ClientSampleId :



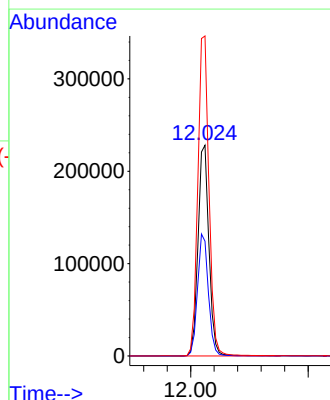
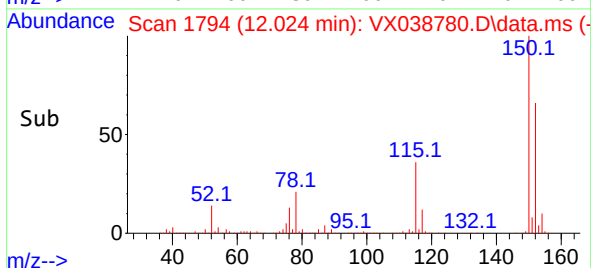
Tgt Ion:117 Resp: 506823  
Ion Ratio Lower Upper  
117 100  
82 50.1 46.2 69.4  
119 32.3 25.5 38.3

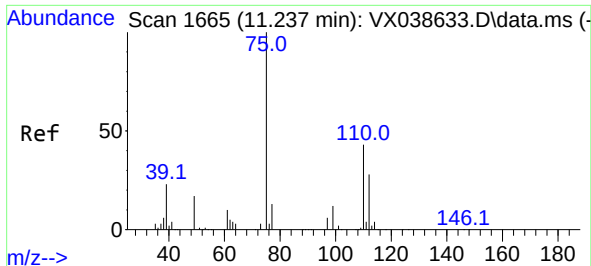


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45



Tgt Ion:152 Resp: 294366  
Ion Ratio Lower Upper  
152 100  
115 57.5 43.3 129.9  
150 154.6 0.0 345.0

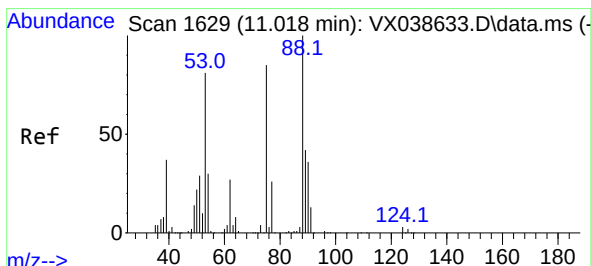
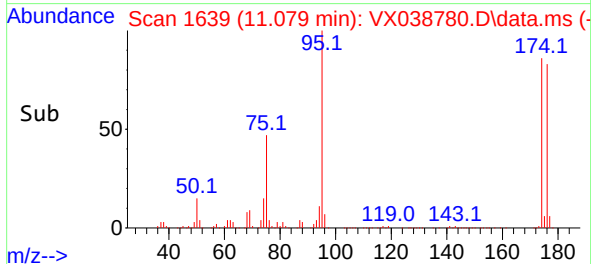
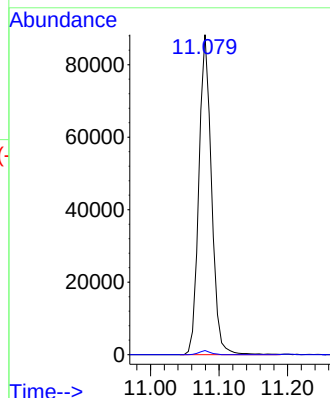
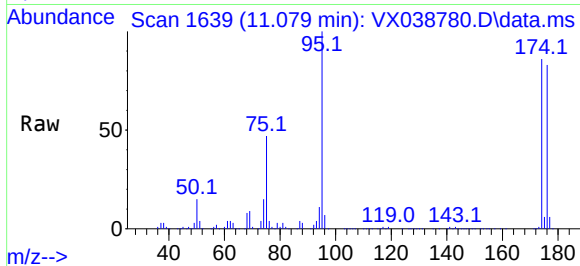




#76  
1,2,3-Trichloropropane  
Concen: 19.456 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 113429  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 59.643 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX038780.D  
Acq: 13 Nov 2023 14:45

Tgt Ion: 75 Resp: 113429  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

