

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022123\  
 Data File : VX034208.D  
 Acq On : 21 Feb 2023 14:41  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Feb 22 05:52:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 17 12:33:35 2023  
 Response via : Initial Calibration

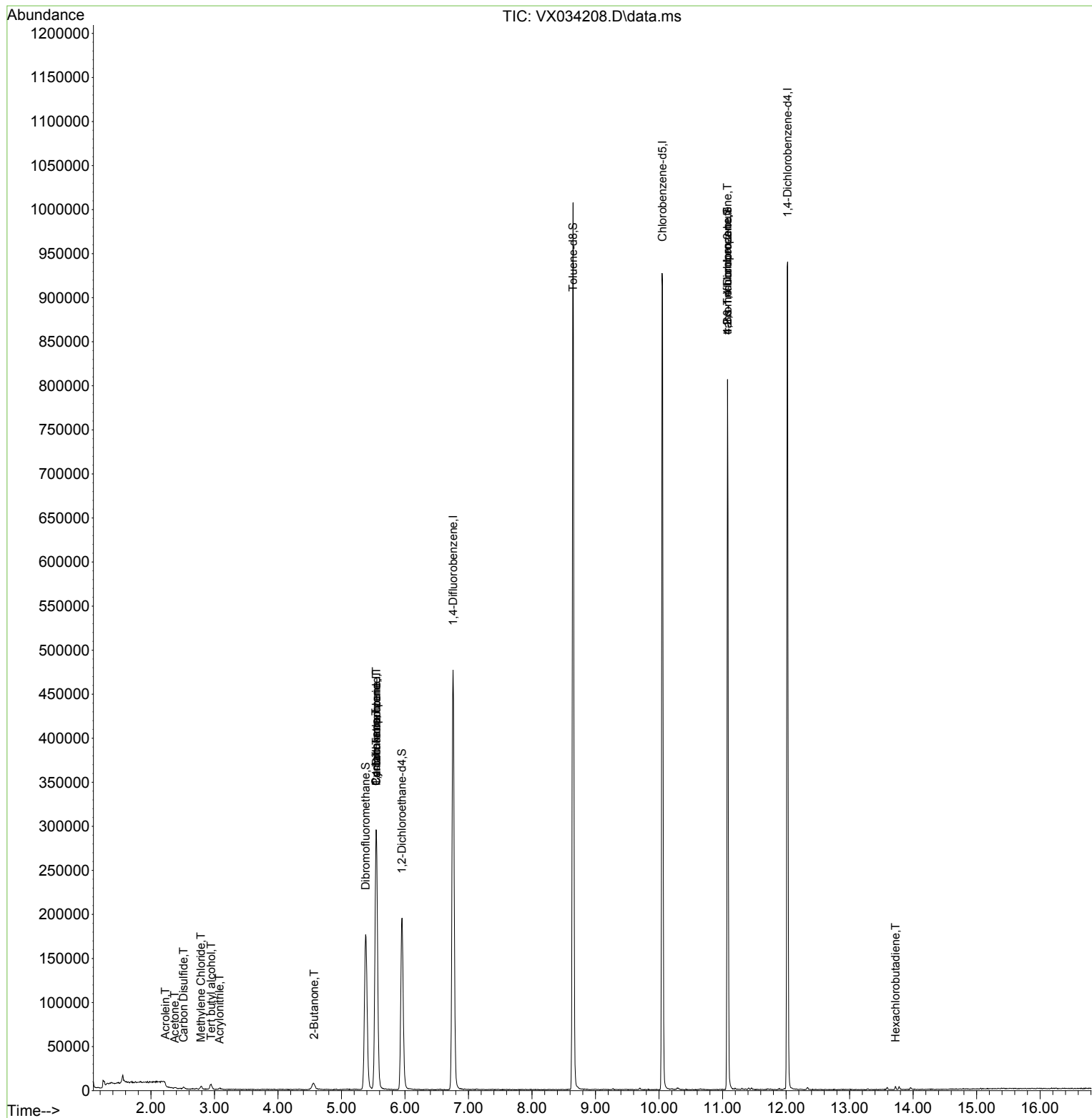
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 302120   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 505730   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 446796   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 204764   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 179285   | 44.063    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 88.120%  |
| 35) Dibromofluoromethane      | 5.379  | 113   | 156096   | 47.405    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 94.820%  |
| 50) Toluene-d8                | 8.647  | 98    | 602937   | 51.000    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 102.000% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 209794   | 46.393    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 92.780%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.612  | 94    | 421      | Below Cal | #      | 72       |
| 11) Tert butyl alcohol        | 2.947  | 59    | 3108     | 3.415     | ug/l   | 98       |
| 13) Acrolein                  | 2.227  | 56    | 751      | 1.808     | ug/l # | 14       |
| 15) Acrylonitrile             | 3.081  | 53    | 652      | 0.328     | ug/l # | 62       |
| 16) Acetone                   | 2.374  | 43    | 1764     | 0.840     | ug/l # | 88       |
| 17) Carbon Disulfide          | 2.514  | 76    | 2311     | 0.246     | ug/l   | 97       |
| 20) Methylene Chloride        | 2.788  | 84    | 1799     | 0.476     | ug/l # | 76       |
| 25) 2-Butanone                | 4.568  | 43    | 611      | 0.201     | ug/l # | 51       |
| 31) Cyclohexane               | 5.544  | 56    | 6006     | 0.989     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 22869    | 4.696     | ug/l # | 44       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 28121    | 5.612     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 103153   | 20.020    | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 103153   | 51.430    | ug/l # | 8        |
| 94) Hexachlorobutadiene       | 13.725 | 225   | 550      | 0.300     | ug/l   | 92       |
| -----                         |        |       |          |           |        |          |

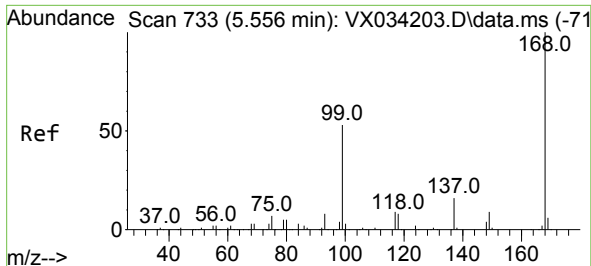
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022123\  
Data File : VX034208.D  
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Operator : JC/MD  
Sample : IBLK  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

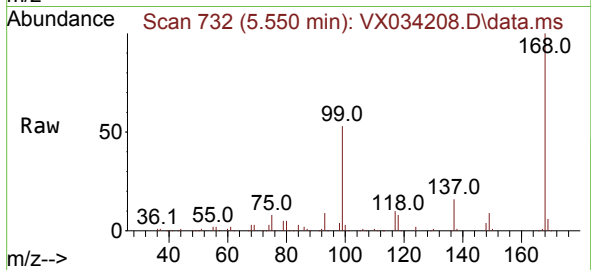
Quant Time: Feb 22 05:52:30 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 17 12:33:35 2023  
Response via : Initial Calibration



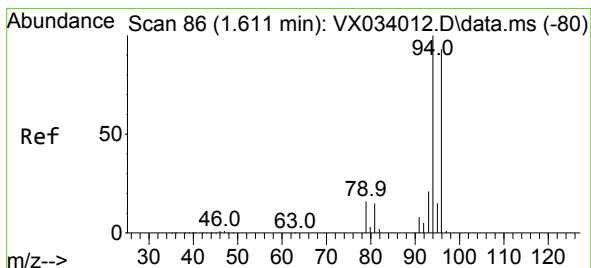
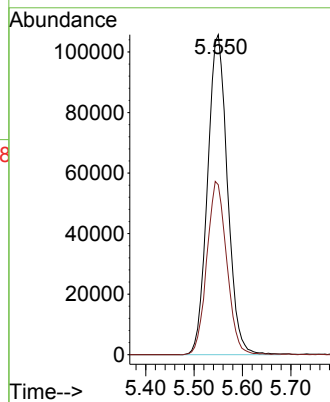
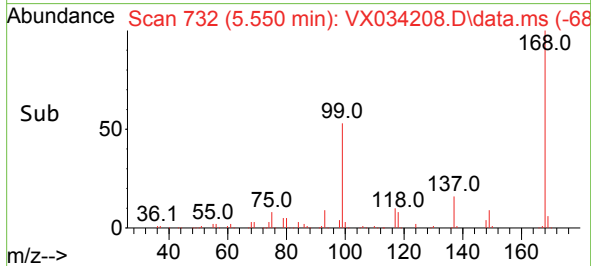


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX034208.D  
Acq: 21 Feb 2023 14:41

Instrument :  
MSVOA\_X  
ClientSampleId :

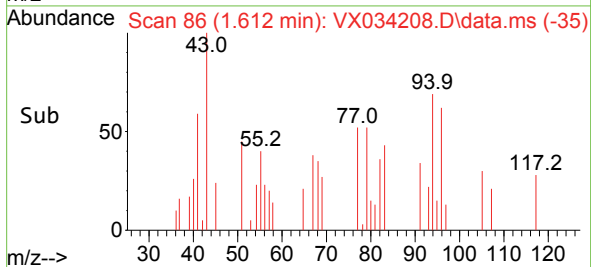
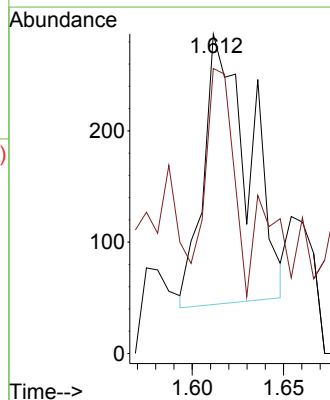
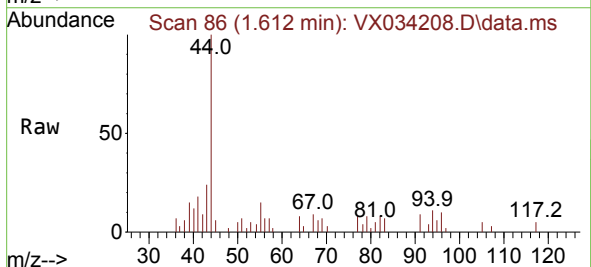


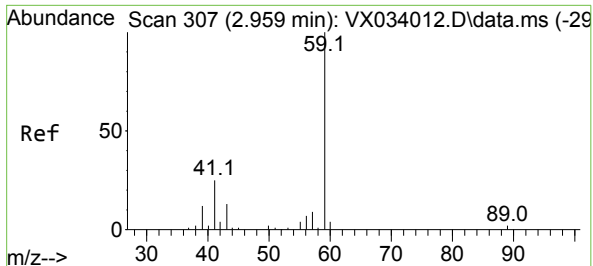
Tgt Ion:168 Resp: 302120  
Ion Ratio Lower Upper  
168 100  
99 53.1 39.6 59.4



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.612 min Scan# 86  
Delta R.T. 0.013 min  
Lab File: VX034208.D  
Acq: 21 Feb 2023 14:41

Tgt Ion: 94 Resp: 421  
Ion Ratio Lower Upper  
94 100  
96 66.4 74.3 111.5#





#11

Tert butyl alcohol

Concen: 3.415 ug/l

RT: 2.947 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX034208.D

Acq: 21 Feb 2023 14:41

Instrument :

MSVOA\_X

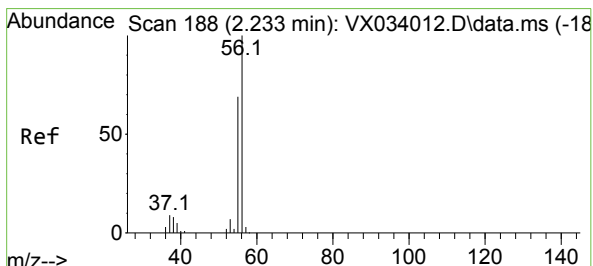
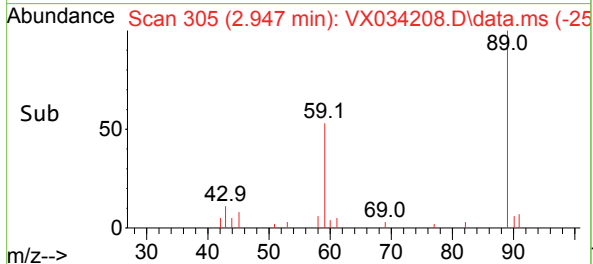
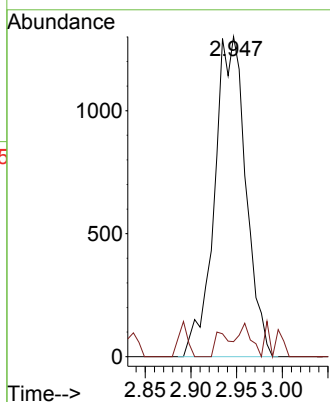
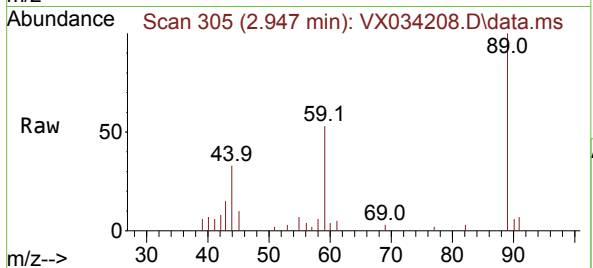
ClientSampleId :

Tgt Ion: 59 Resp: 3108

Ion Ratio Lower Upper

59 100

57 4.1 3.7 5.5



#13

Acrolein

Concen: 1.808 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.006 min

Lab File: VX034208.D

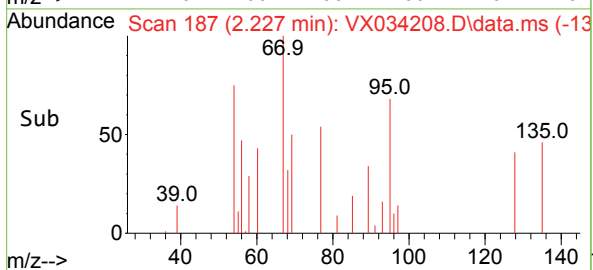
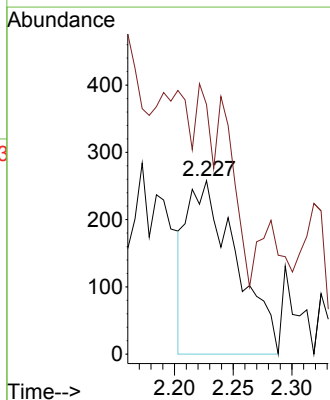
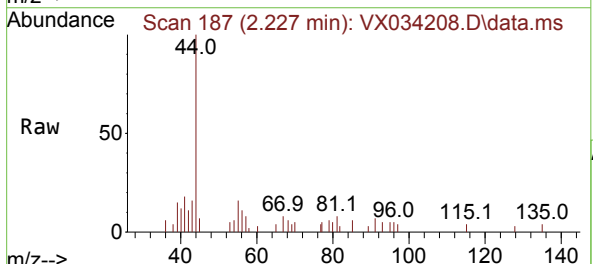
Acq: 21 Feb 2023 14:41

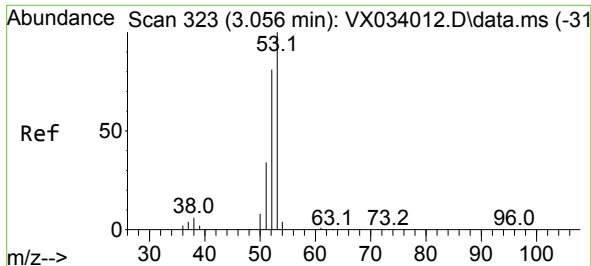
Tgt Ion: 56 Resp: 751

Ion Ratio Lower Upper

56 100

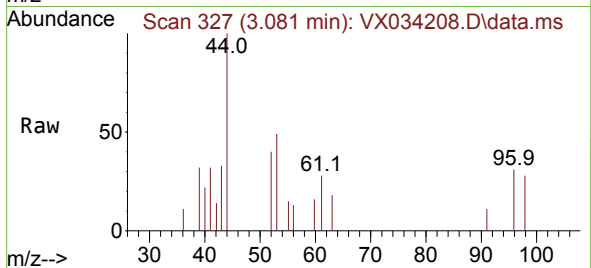
55 0.0 56.3 84.5#



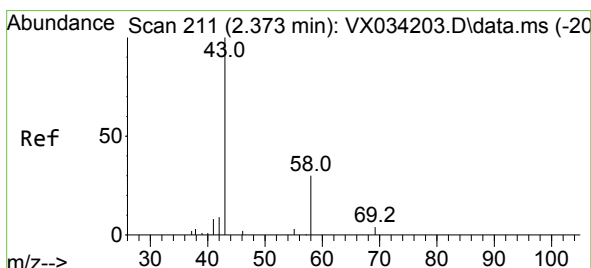
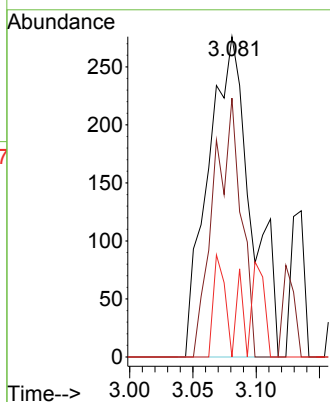
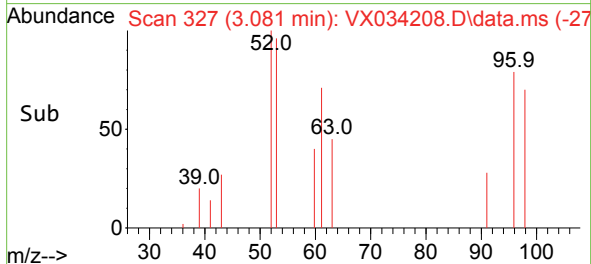


#15  
Acrylonitrile  
Concen: 0.328 ug/l  
RT: 3.081 min Scan# 31  
Delta R.T. 0.025 min  
Lab File: VX034208.D  
Acq: 21 Feb 2023 14:41

Instrument :  
MSVOA\_X  
ClientSampleId :

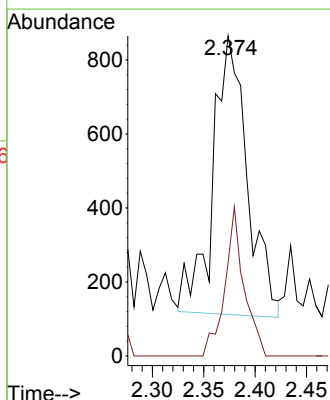
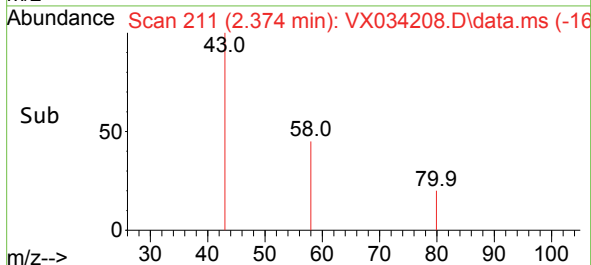
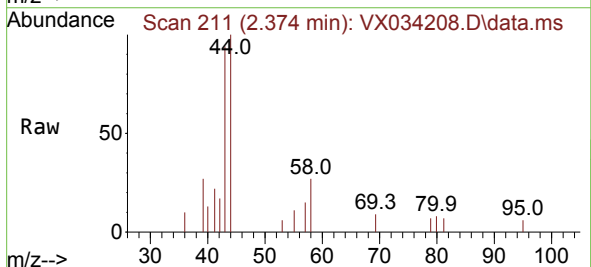


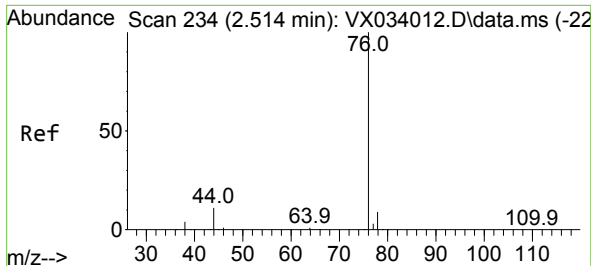
Tgt Ion: 53 Resp: 652  
Ion Ratio Lower Upper  
53 100  
52 51.5 65.7 98.5#  
51 8.6 29.0 43.4#



#16  
Acetone  
Concen: 0.840 ug/l  
RT: 2.374 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VX034208.D  
Acq: 21 Feb 2023 14:41

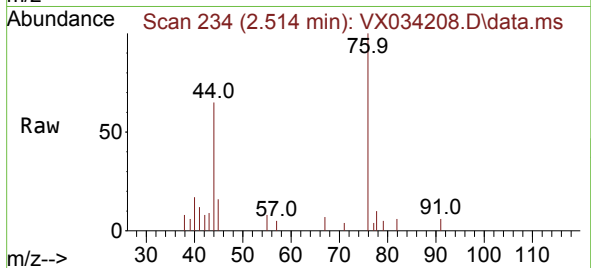
Tgt Ion: 43 Resp: 1764  
Ion Ratio Lower Upper  
43 100  
58 34.3 22.6 33.8#



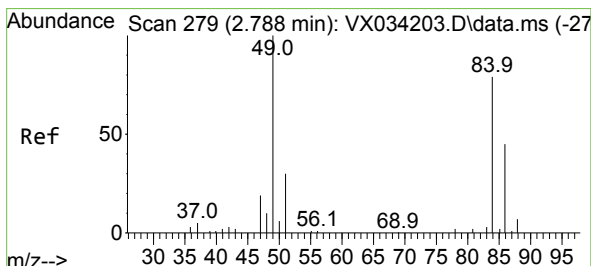
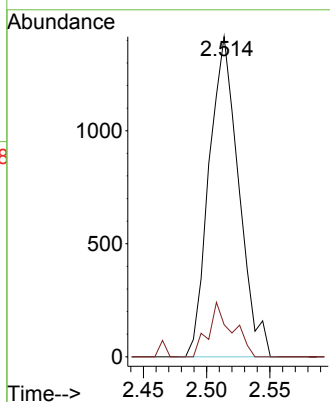
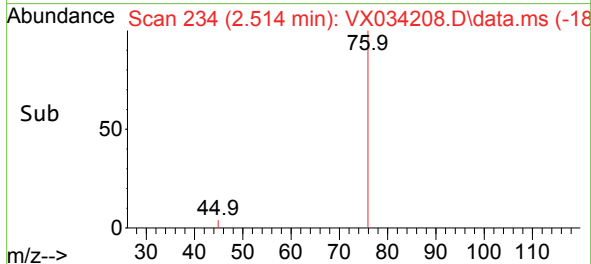


#17  
Carbon Disulfide  
Concen: 0.246 ug/l  
RT: 2.514 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX034208.D  
Acq: 21 Feb 2023 14:41

Instrument :  
MSVOA\_X  
ClientSampleId :

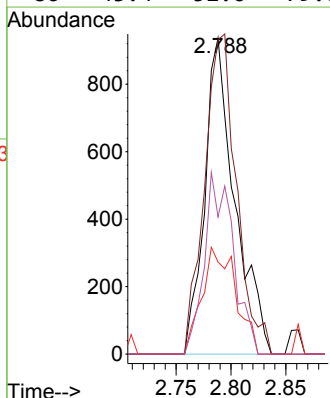
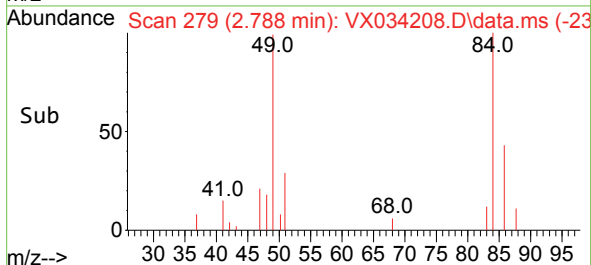
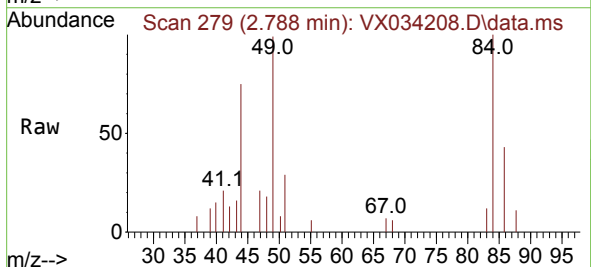


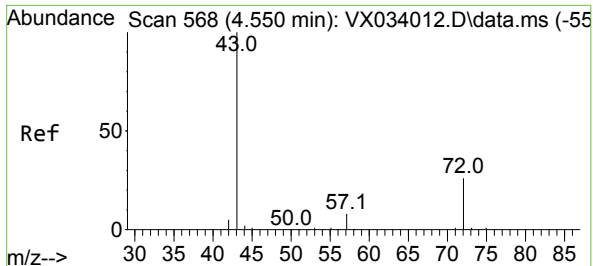
Tgt Ion: 76 Resp: 2311  
Ion Ratio Lower Upper  
76 100  
78 10.0 7.0 10.6



#20  
Methylene Chloride  
Concen: 0.476 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX034208.D  
Acq: 21 Feb 2023 14:41

Tgt Ion: 84 Resp: 1799  
Ion Ratio Lower Upper  
84 100  
49 99.5 101.1 151.7#  
51 29.1 31.0 46.6#  
86 43.4 52.6 79.0#





#25

2-Butanone

Concen: 0.201 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX034208.D

Acq: 21 Feb 2023 14:41

Instrument :

MSVOA\_X

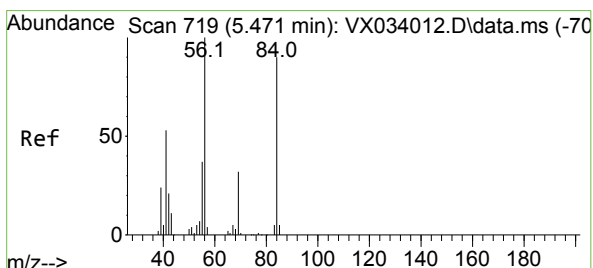
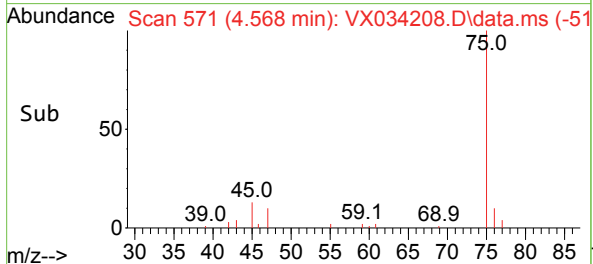
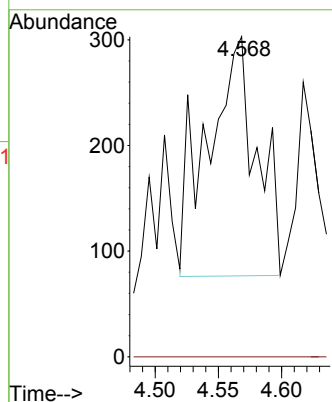
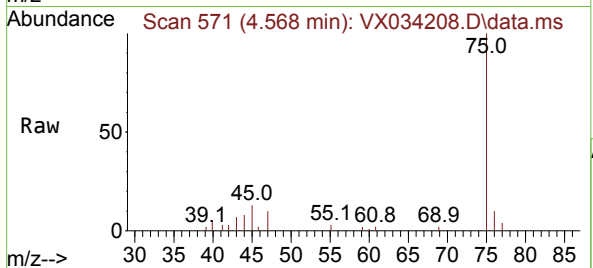
ClientSampleId :

Tgt Ion: 43 Resp: 611

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#31

Cyclohexane

Concen: 0.989 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX034208.D

Acq: 21 Feb 2023 14:41

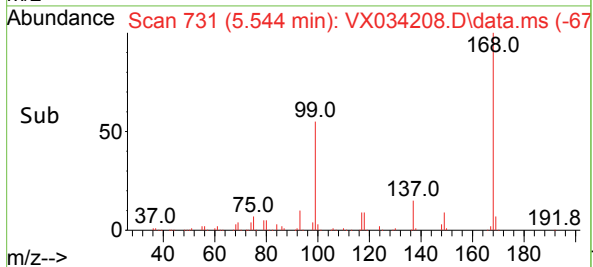
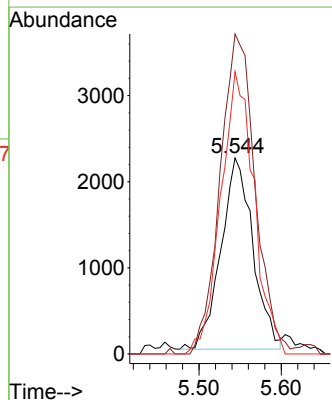
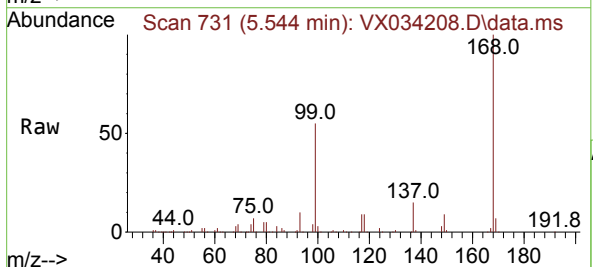
Tgt Ion: 56 Resp: 6006

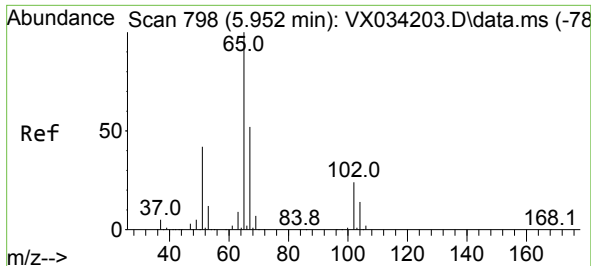
Ion Ratio Lower Upper

56 100

69 167.5 24.6 37.0#

84 147.7 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 44.063 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX034208.D

Acq: 21 Feb 2023 14:41

Instrument :

MSVOA\_X

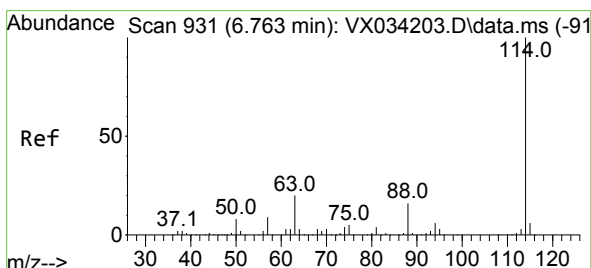
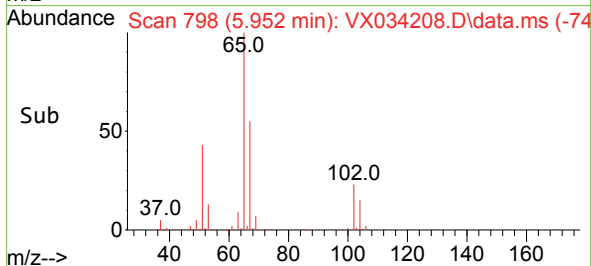
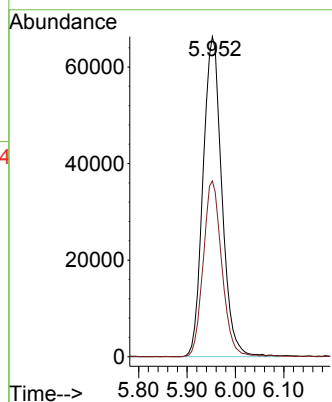
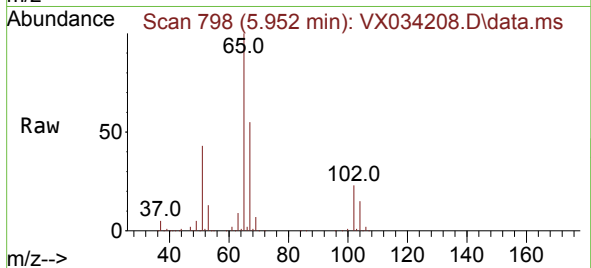
ClientSampleId :

Tgt Ion: 65 Resp: 179285

Ion Ratio Lower Upper

65 100

67 54.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX034208.D

Acq: 21 Feb 2023 14:41

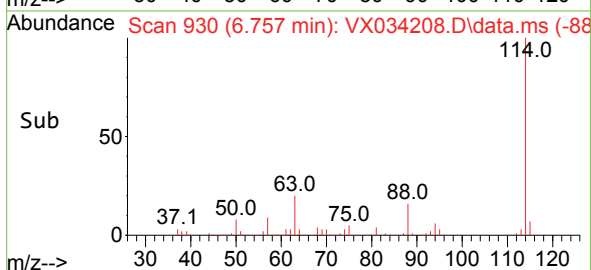
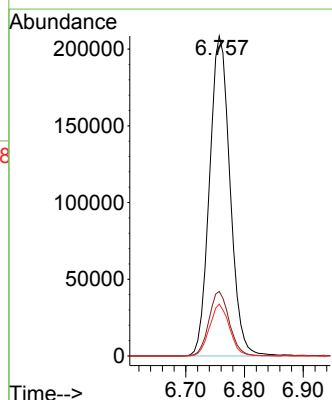
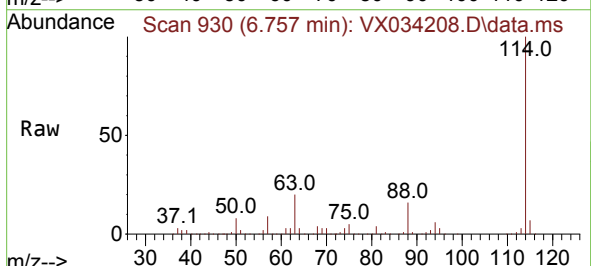
Tgt Ion: 114 Resp: 505730

Ion Ratio Lower Upper

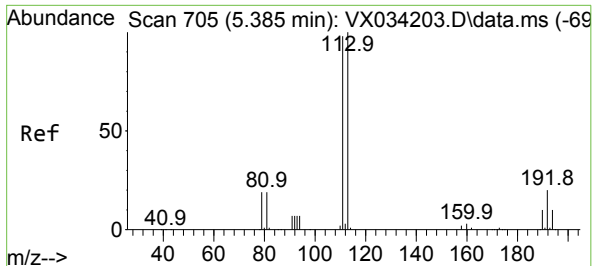
114 100

63 20.1 0.0 37.4

88 16.2 0.0 30.6

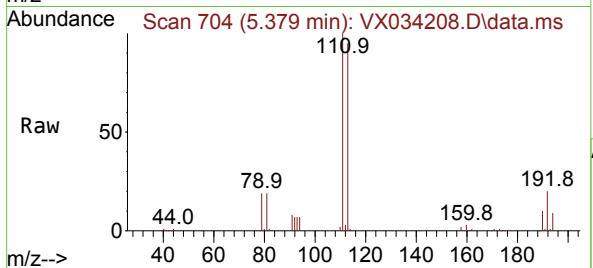




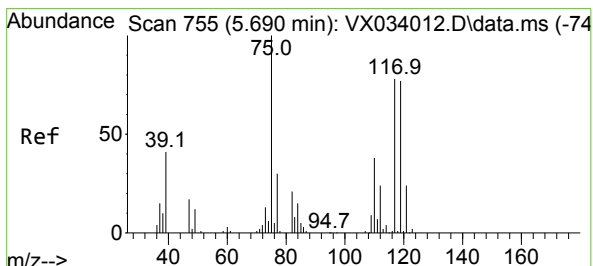
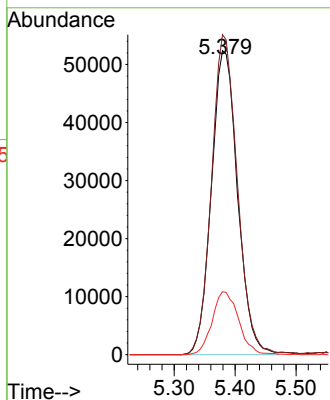
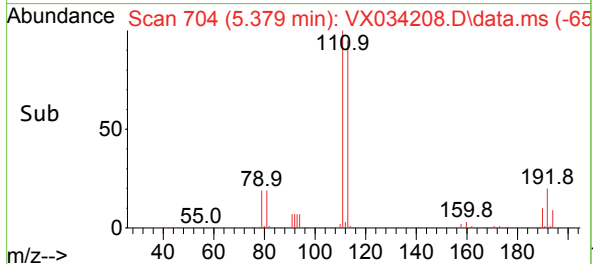


#35  
Dibromofluoromethane  
Concen: 47.405 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX034208.D  
Acq: 21 Feb 2023 14:41

Instrument :  
MSVOA\_X  
ClientSampleId :

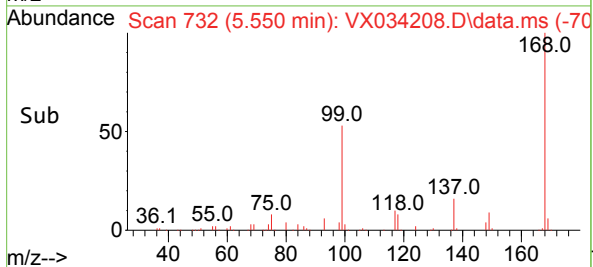
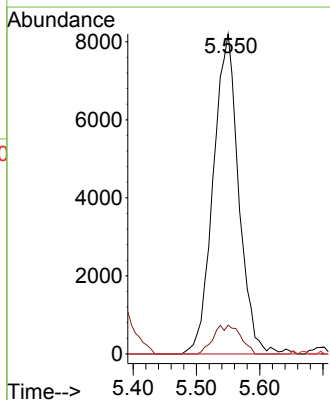
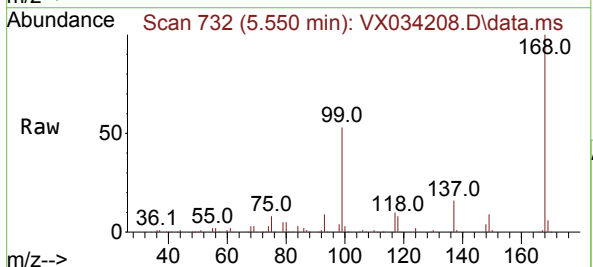


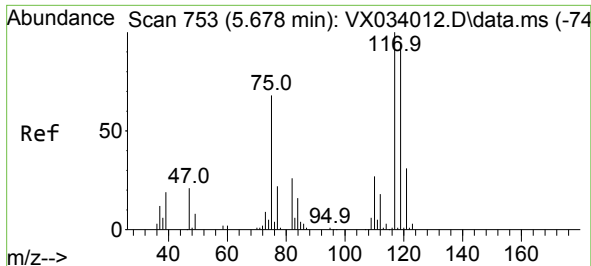
Tgt Ion:113 Resp: 156096  
Ion Ratio Lower Upper  
113 100  
111 104.2 83.0 124.6  
192 21.0 19.0 28.4



#36  
1,1-Dichloropropene  
Concen: 4.696 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX034208.D  
Acq: 21 Feb 2023 14:41

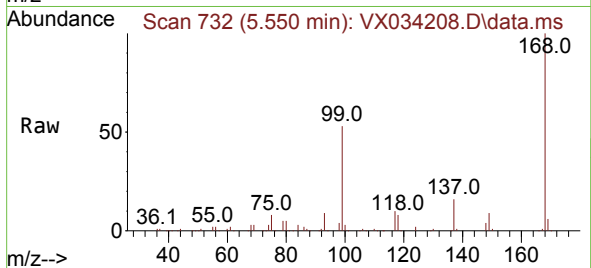
Tgt Ion: 75 Resp: 22869  
Ion Ratio Lower Upper  
75 100  
110 4.4 18.8 56.4#  
77 0.0 25.1 37.7#



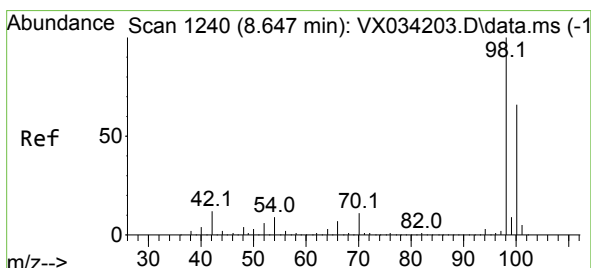
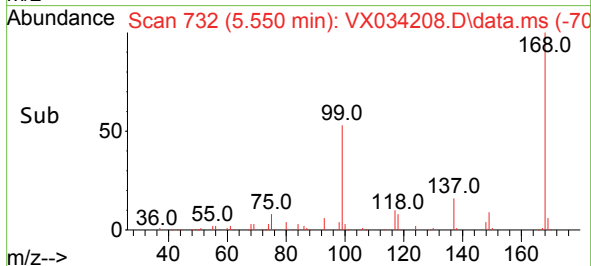
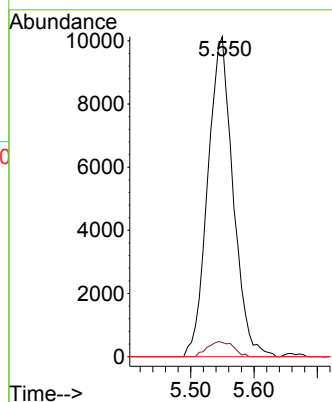


#38  
Carbon Tetrachloride  
Concen: 5.612 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX034208.D  
Acq: 21 Feb 2023 14:41

Instrument :  
MSVOA\_X  
ClientSampleId :

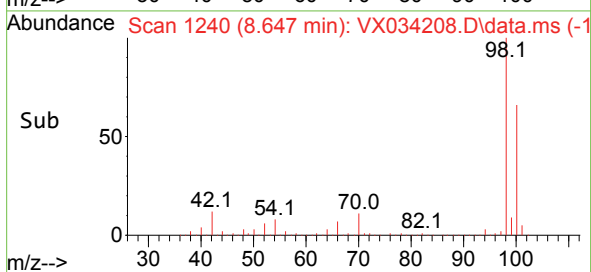
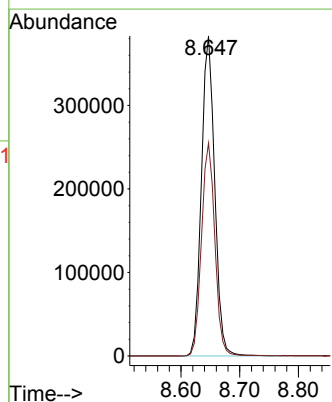
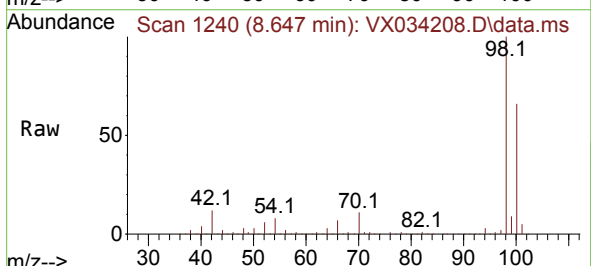


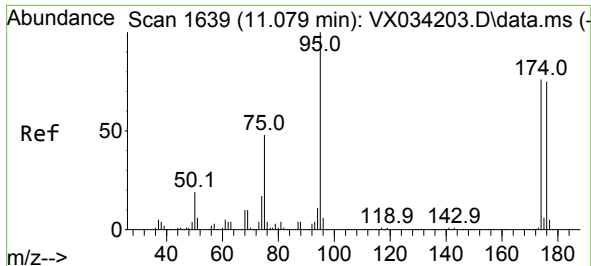
Tgt Ion:117 Resp: 28121  
Ion Ratio Lower Upper  
117 100  
119 4.4 78.0 117.0#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 51.000 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX034208.D  
Acq: 21 Feb 2023 14:41

Tgt Ion: 98 Resp: 602937  
Ion Ratio Lower Upper  
98 100  
100 66.9 53.6 80.4

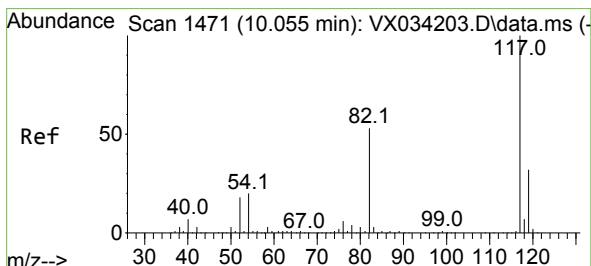
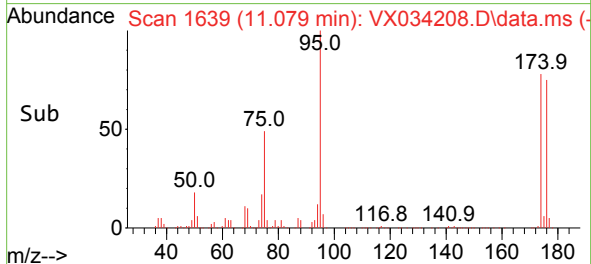
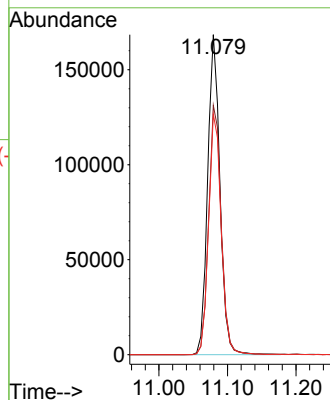
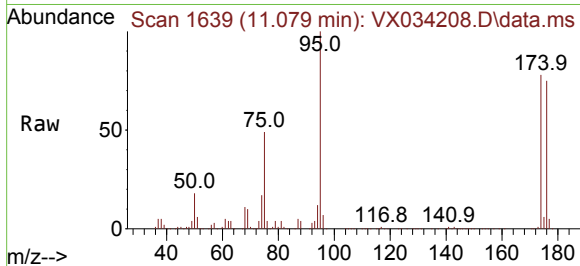




#62  
4-Bromofluorobenzene  
Concen: 46.393 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX034208.D  
Acq: 21 Feb 2023 14:41

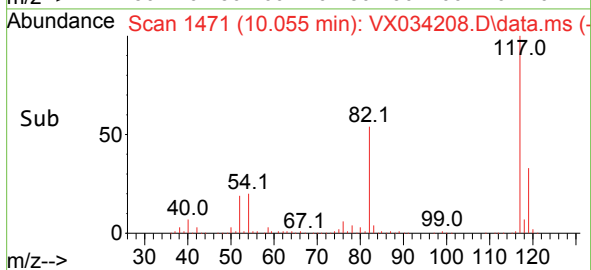
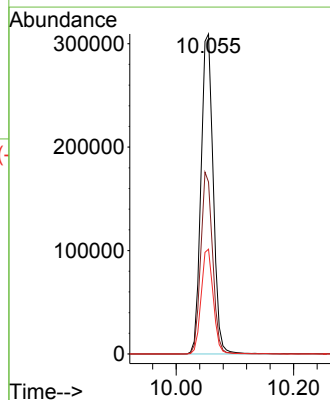
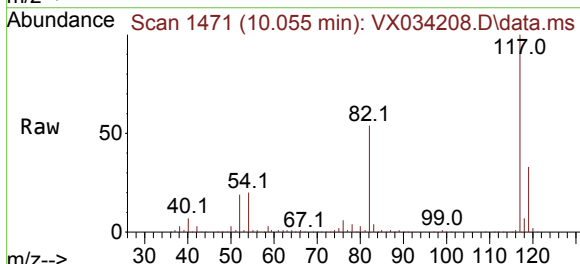
Instrument :  
MSVOA\_X  
ClientSampleId :

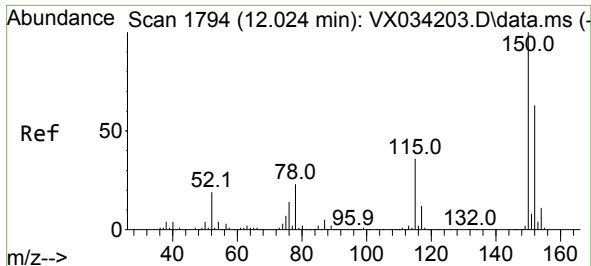
Tgt Ion: 95 Resp: 209794  
Ion Ratio Lower Upper  
95 100  
174 80.2 0.0 184.4  
176 77.4 0.0 178.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX034208.D  
Acq: 21 Feb 2023 14:41

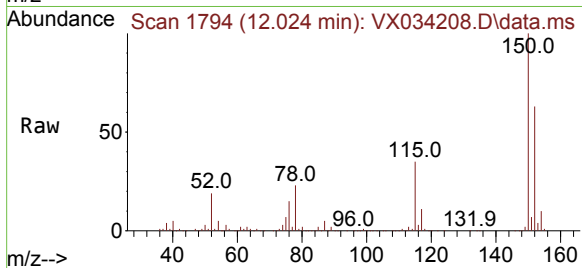
Tgt Ion: 117 Resp: 446796  
Ion Ratio Lower Upper  
117 100  
82 53.7 40.6 60.8  
119 32.8 25.6 38.4



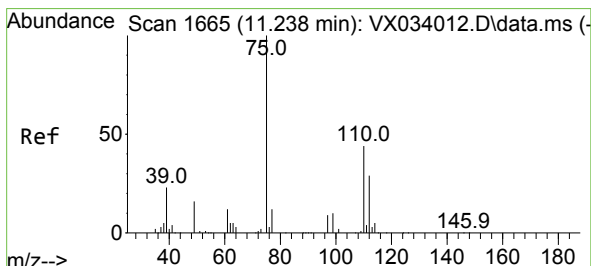
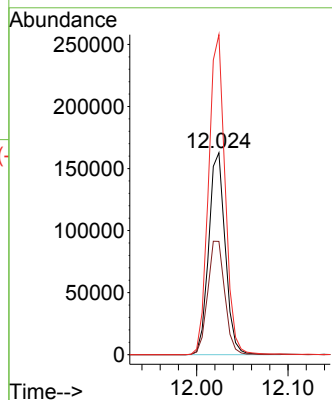
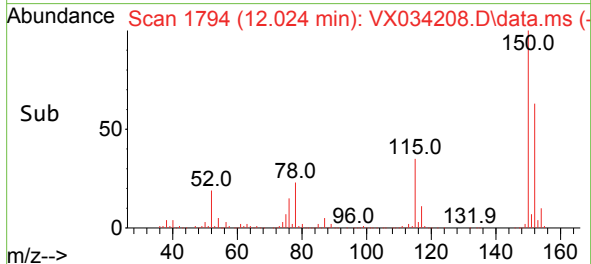


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1  
 Delta R.T. 0.000 min  
 Lab File: VX034208.D  
 Acq: 21 Feb 2023 14:41

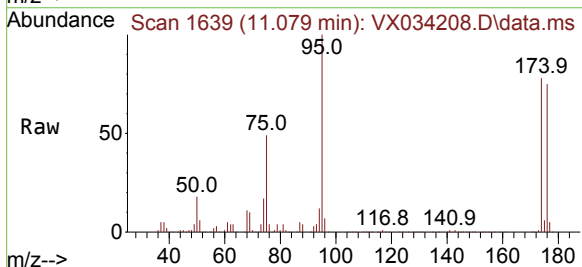
Instrument :  
 MSVOA\_X  
 ClientSampleId :



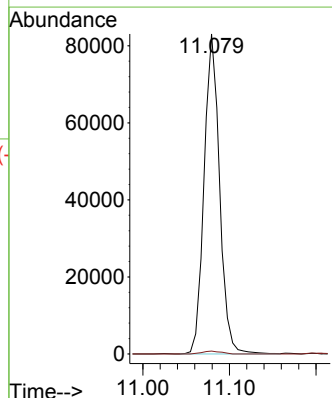
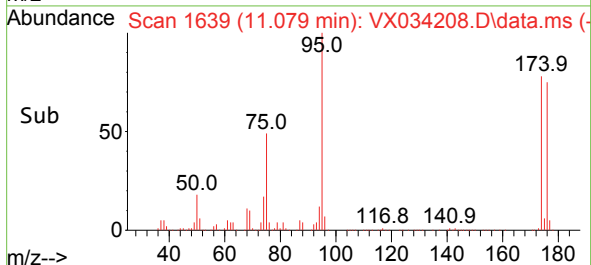
Tgt Ion:152 Resp: 204764  
 Ion Ratio Lower Upper  
 152 100  
 115 58.0 38.7 116.1  
 150 158.6 0.0 348.2

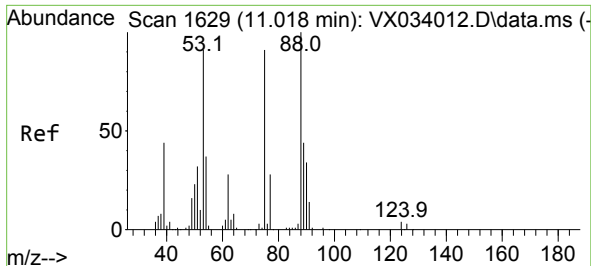


#76  
 1,2,3-Trichloropropane  
 Concen: 20.020 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX034208.D  
 Acq: 21 Feb 2023 14:41



Tgt Ion: 75 Resp: 103153  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 21.8 65.4#

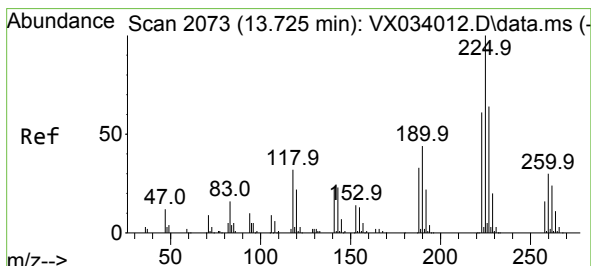
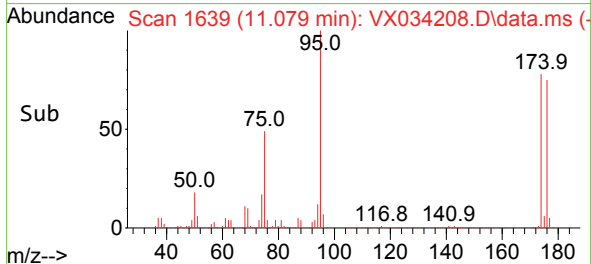
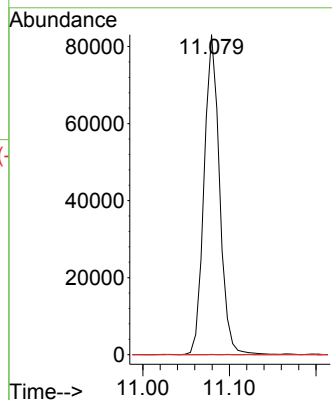
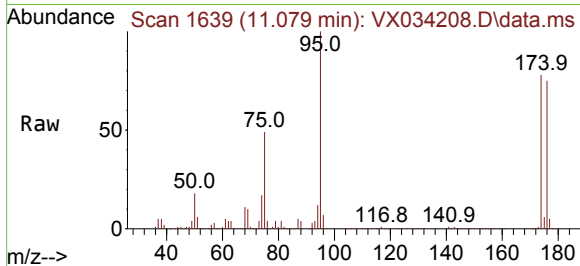




#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.430 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX034208.D  
Acq: 21 Feb 2023 14:41

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 103153  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.0 124.6#  
89 0.0 37.7 56.5#



#94  
Hexachlorobutadiene  
Concen: 0.300 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. 0.000 min  
Lab File: VX034208.D  
Acq: 21 Feb 2023 14:41

Tgt Ion: 225 Resp: 550  
Ion Ratio Lower Upper  
225 100  
223 52.2 31.3 93.9  
227 67.3 32.3 96.9

