

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090223\  
 Data File : VX037493.D  
 Acq On : 02 Sep 2023 19:14  
 Operator : JC/MD  
 Sample : 04272-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OW-01B-67-083123

Quant Time: Sep 04 04:32:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

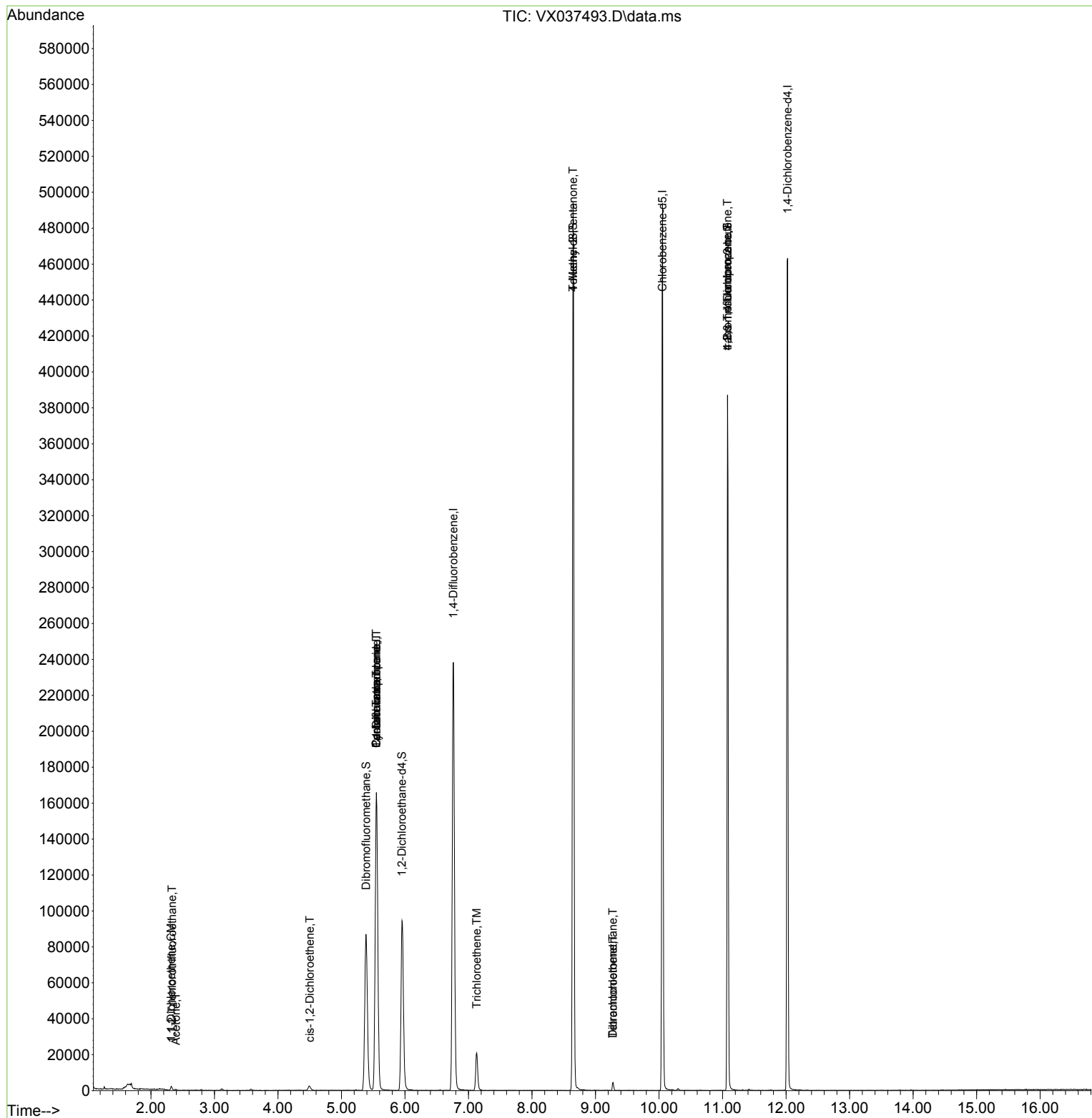
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 158126   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 262107   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 232304   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 102984   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 94203    | 41.323   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 82.640%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 78529    | 45.239   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 90.480%  |
| 50) Toluene-d8                | 8.647  | 98    | 304187   | 48.309   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 96.620%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 109170   | 44.118   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 88.240%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo...  | 2.331  | 101   | 422      | 0.252    | ug/l   | 95       |
| 12) 1,1-Dichloroethene        | 2.319  | 96    | 600      | 0.369    | ug/l # | 62       |
| 16) Acetone                   | 2.392  | 43    | 500      | 0.561    | ug/l # | 89       |
| 27) cis-1,2-Dichloroethene    | 4.501  | 96    | 1747     | 0.801    | ug/l   | 77       |
| 31) Cyclohexane               | 5.550  | 56    | 2827     | 1.103    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 11955    | 4.848    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 16419    | 6.129    | ug/l # | 15       |
| 44) Trichloroethene           | 7.129  | 130   | 8685     | 4.330    | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 982      | 0.404    | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.275  | 129   | 915      | 0.452    | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.275  | 164   | 822      | 0.485    | ug/l # | 76       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 52881    | 24.111   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 52881    | 67.344   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

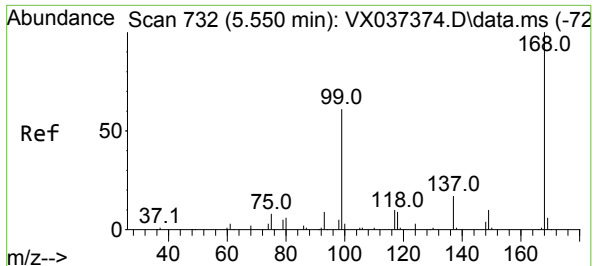
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090223\  
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ClientSampleId :  
OW-01B-67-083123

Quant Time: Sep 04 04:32:33 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration

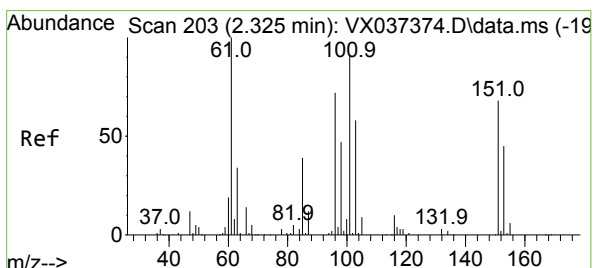
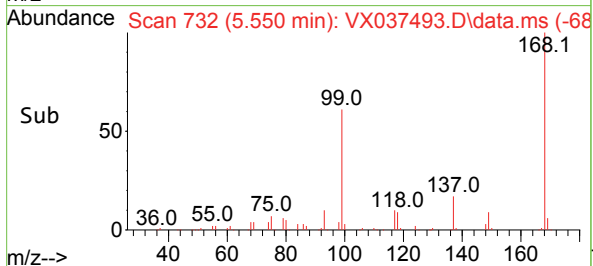
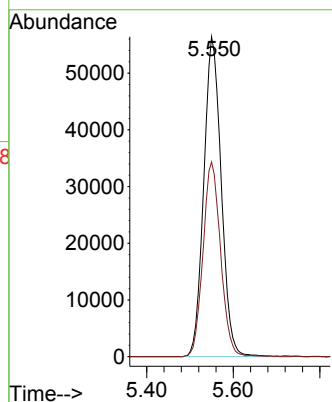
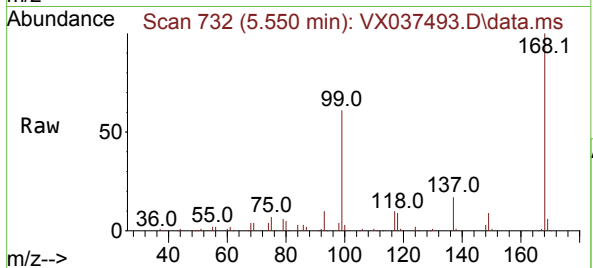




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX037493.D  
Acq: 02 Sep 2023 19:14

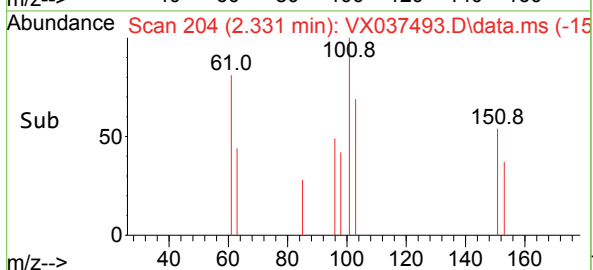
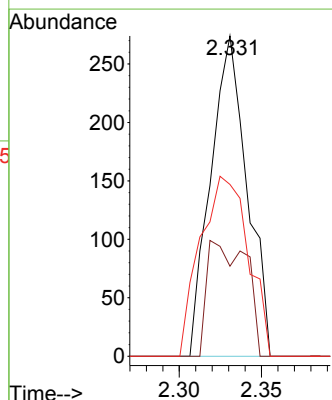
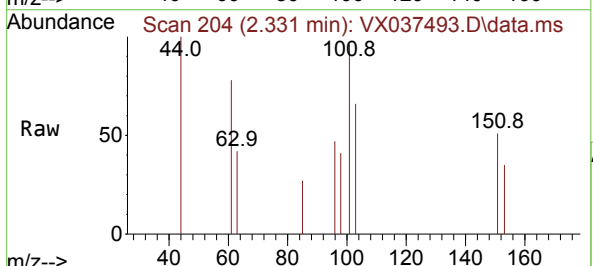
Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-01B-67-083123

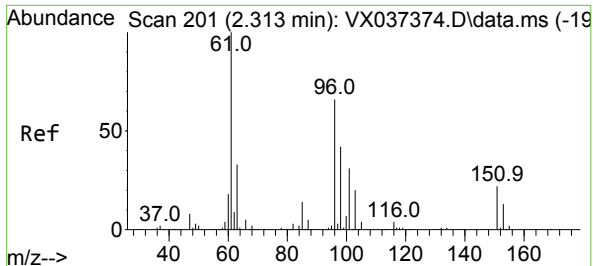
Tgt Ion:168 Resp: 158126  
Ion Ratio Lower Upper  
168 100  
99 60.9 56.6 85.0



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.252 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.006 min  
Lab File: VX037493.D  
Acq: 02 Sep 2023 19:14

Tgt Ion:101 Resp: 422  
Ion Ratio Lower Upper  
101 100  
85 38.6 37.0 55.6  
151 73.9 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.369 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX037493.D

Acq: 02 Sep 2023 19:14

Instrument :

MSVOA\_X

ClientSampleId :

OW-01B-67-083123

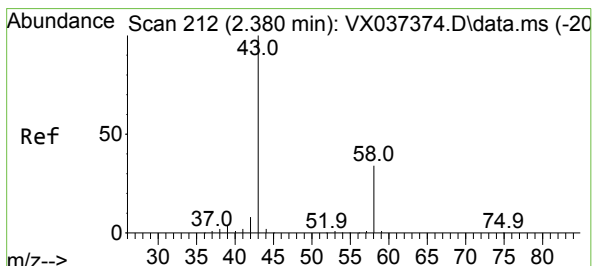
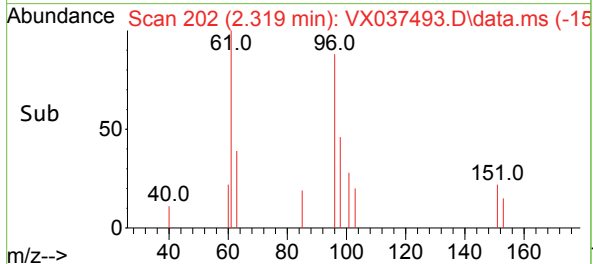
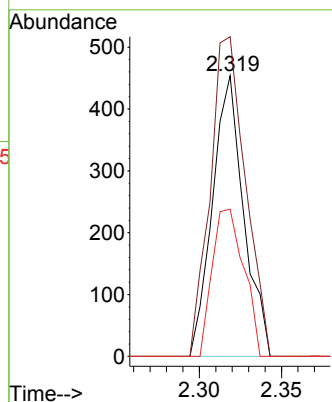
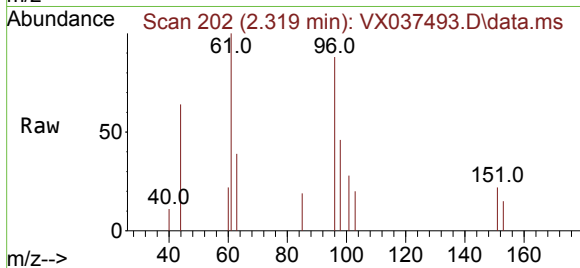
Tgt Ion: 96 Resp: 600

Ion Ratio Lower Upper

96 100

61 113.9 144.6 216.8#

98 52.4 50.4 75.6



#16

Acetone

Concen: 0.561 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX037493.D

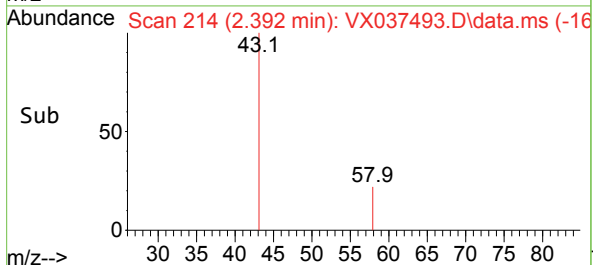
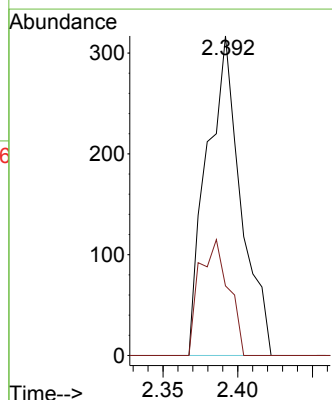
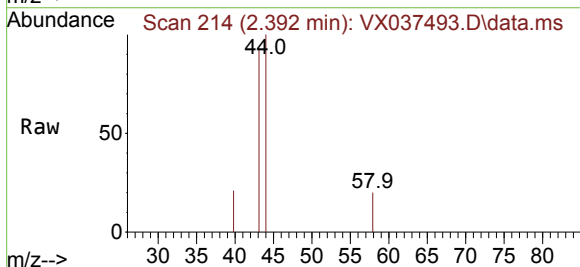
Acq: 02 Sep 2023 19:14

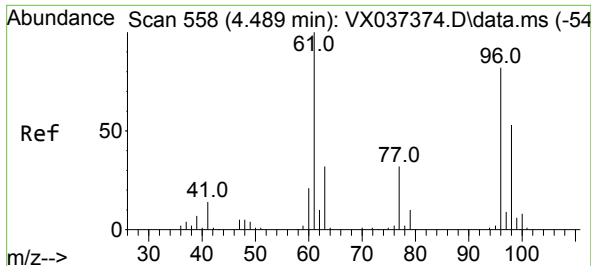
Tgt Ion: 43 Resp: 500

Ion Ratio Lower Upper

43 100

58 21.8 21.9 32.9#





#27

cis-1,2-Dichloroethene

Concen: 0.801 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX037493.D

Acq: 02 Sep 2023 19:14

Instrument :

MSVOA\_X

ClientSampleId :

OW-01B-67-083123

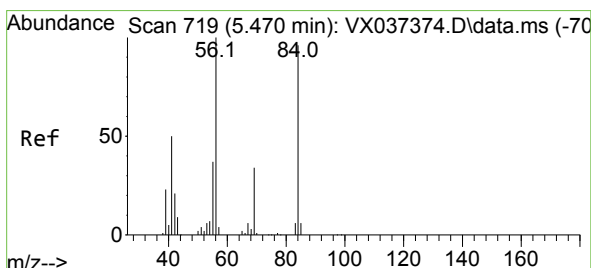
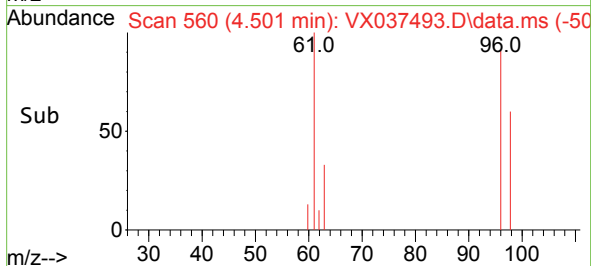
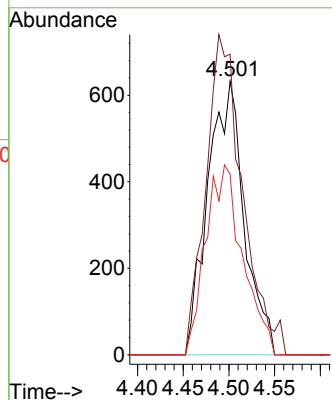
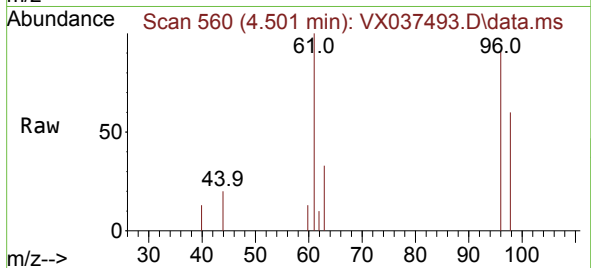
Tgt Ion: 96 Resp: 1747

Ion Ratio Lower Upper

96 100

61 118.3 0.0 312.2

98 70.7 0.0 129.0



#31

Cyclohexane

Concen: 1.103 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037493.D

Acq: 02 Sep 2023 19:14

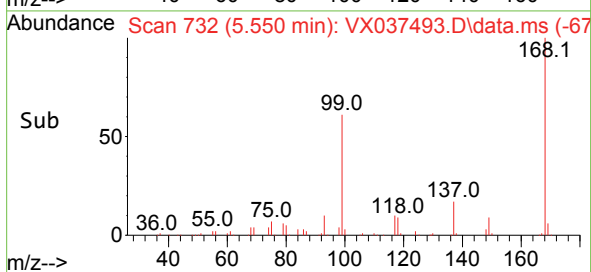
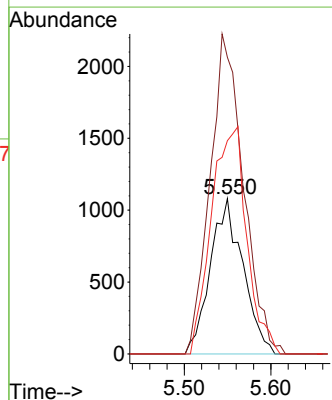
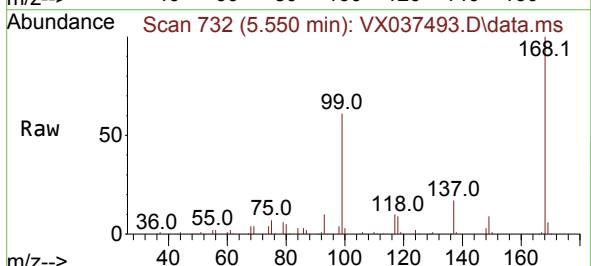
Tgt Ion: 56 Resp: 2827

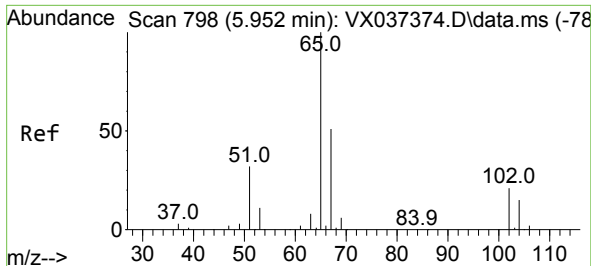
Ion Ratio Lower Upper

56 100

69 190.8 23.4 35.2#

84 137.3 65.9 98.9#

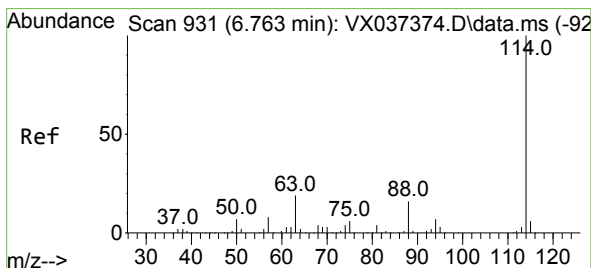
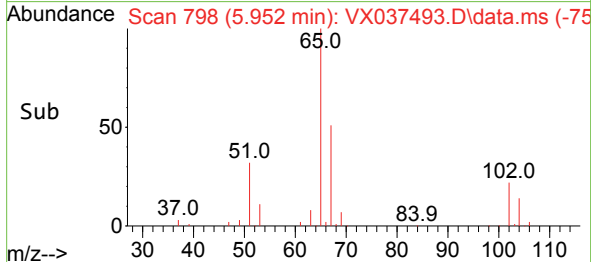
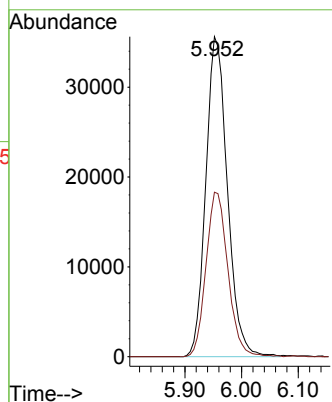
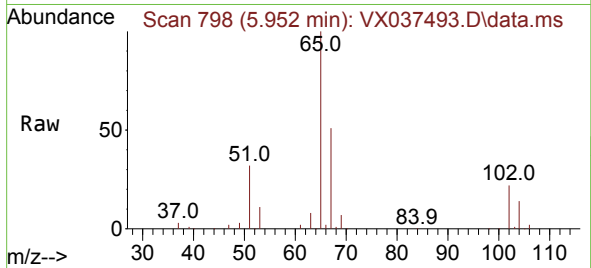




#33  
 1,2-Dichloroethane-d4  
 Concen: 41.323 ug/l  
 RT: 5.952 min Scan# 798  
 Delta R.T. -0.006 min  
 Lab File: VX037493.D  
 Acq: 02 Sep 2023 19:14

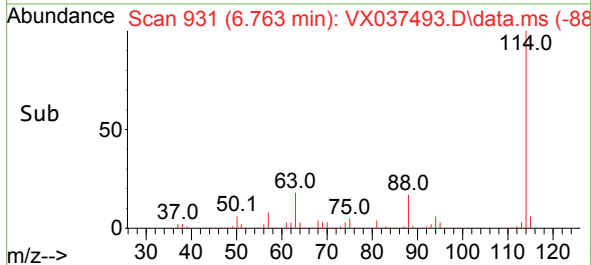
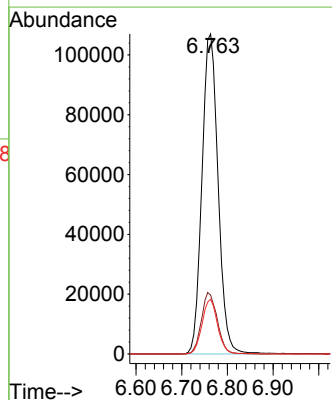
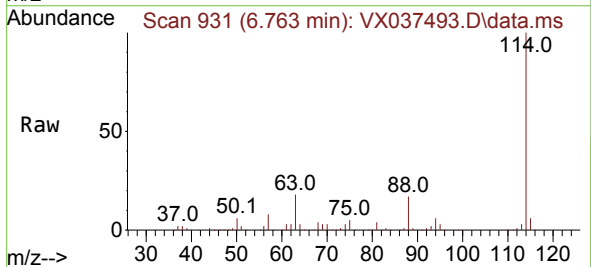
Instrument :  
 MSVOA\_X  
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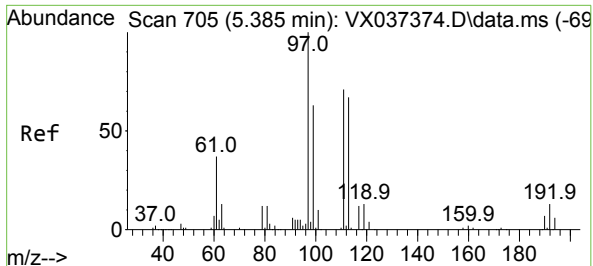
Tgt Ion: 65 Resp: 94203  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 100.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.000 min  
 Lab File: VX037493.D  
 Acq: 02 Sep 2023 19:14

Tgt Ion: 114 Resp: 262107  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 45.0  
 88 17.1 0.0 36.6

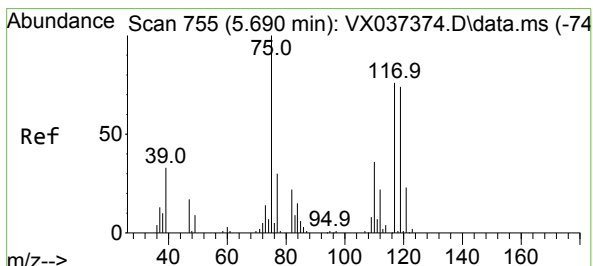
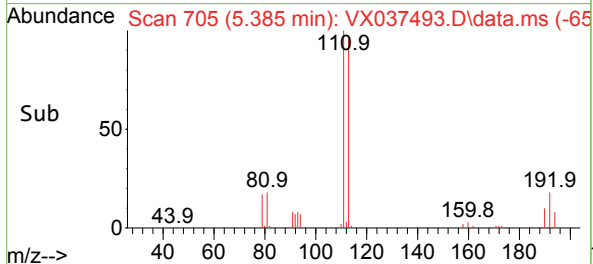
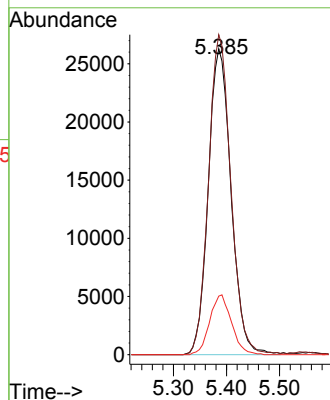
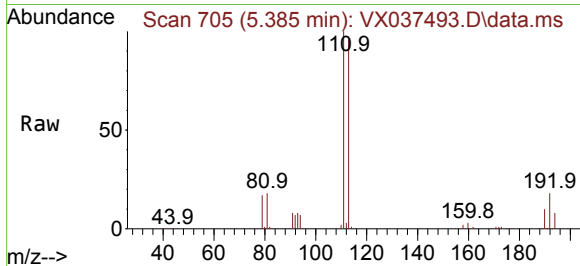




#35  
Dibromofluoromethane  
Concen: 45.239 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX037493.D  
Acq: 02 Sep 2023 19:14

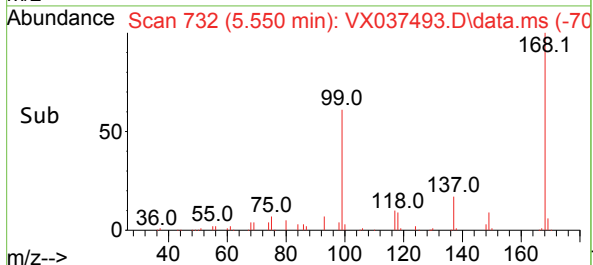
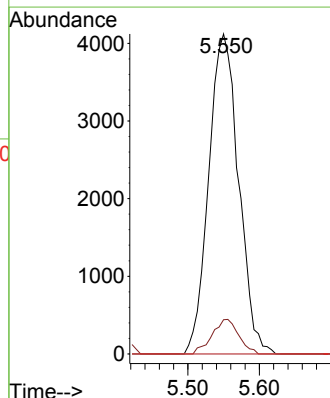
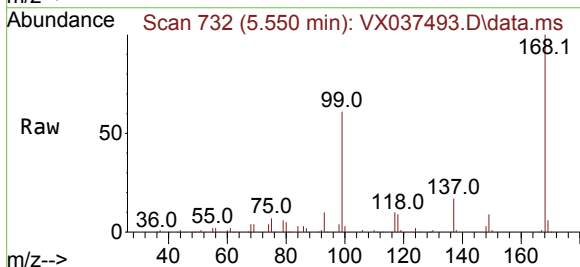
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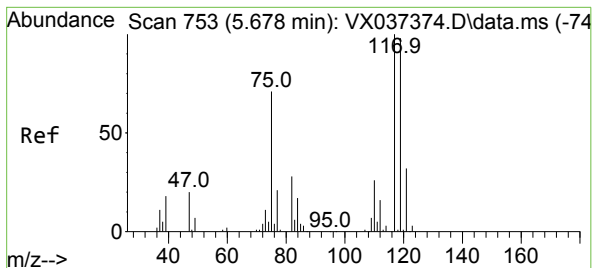
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|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 78529 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.8 | 82.9  | 124.3 |
| 192      | 18.7  | 13.3  | 19.9  |



#36  
1,1-Dichloropropene  
Concen: 4.848 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX037493.D  
Acq: 02 Sep 2023 19:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11955 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.6   | 17.0  | 50.9# |
| 77       | 0.0   | 24.7  | 37.1# |





#38

Carbon Tetrachloride

Concen: 6.129 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX037493.D

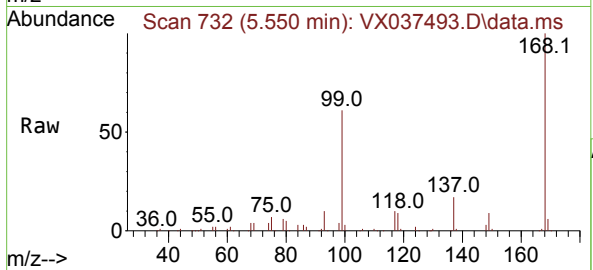
Acq: 02 Sep 2023 19:14

Instrument :

MSVOA\_X

ClientSampleId :

OW-01B-67-083123



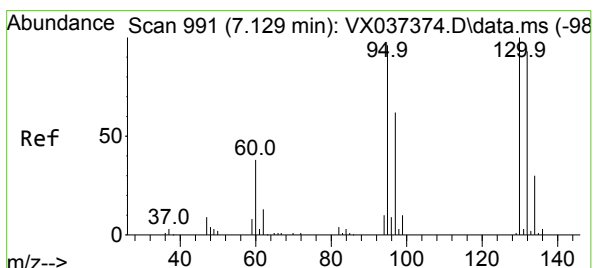
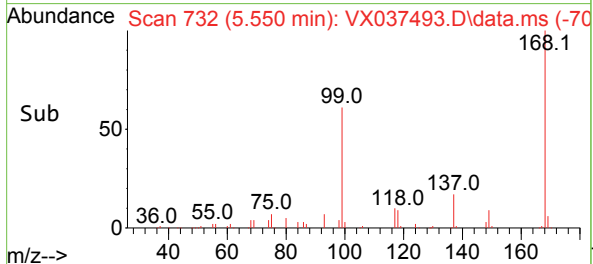
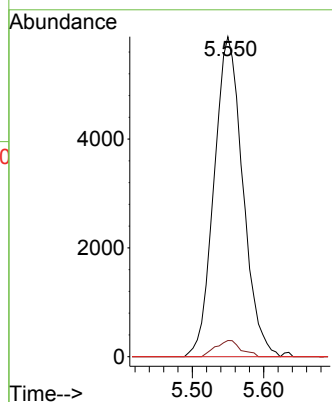
Tgt Ion:117 Resp: 16419

Ion Ratio Lower Upper

117 100

119 5.1 78.2 117.2#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 4.330 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX037493.D

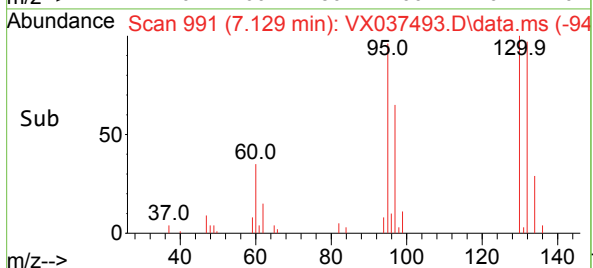
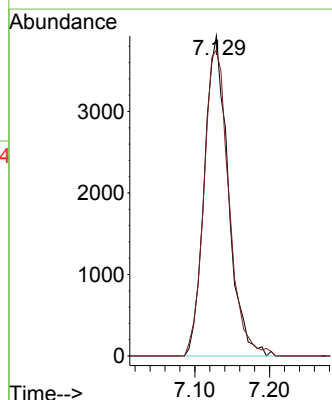
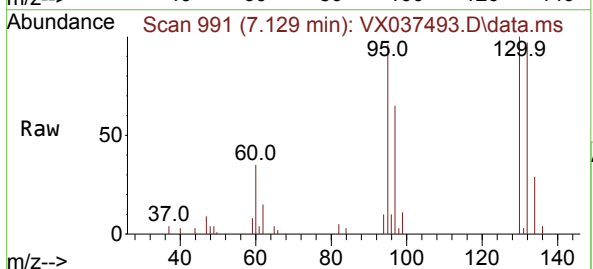
Acq: 02 Sep 2023 19:14

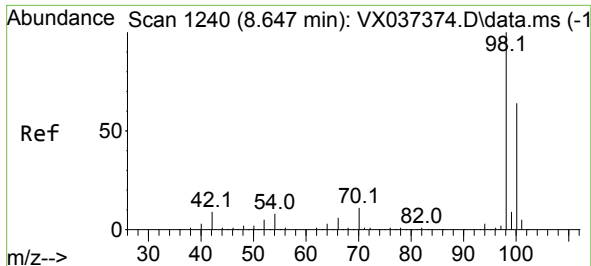
Tgt Ion:130 Resp: 8685

Ion Ratio Lower Upper

130 100

95 95.6 0.0 204.4

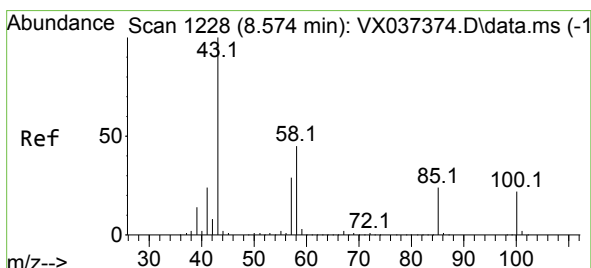
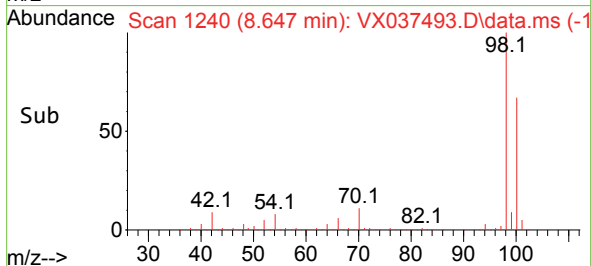
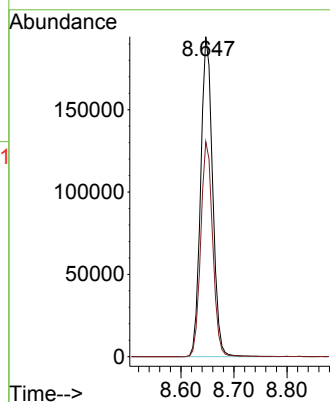
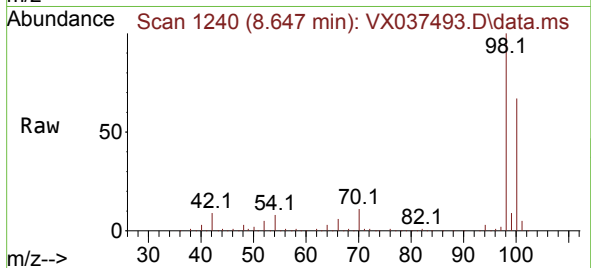




#50  
Toluene-d8  
Concen: 48.309 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX037493.D  
Acq: 02 Sep 2023 19:14

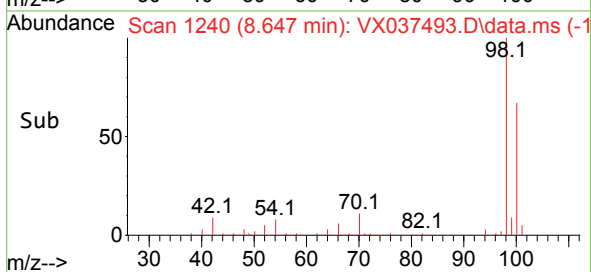
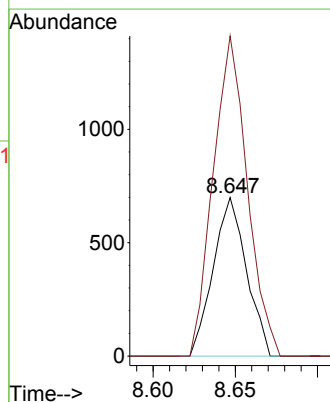
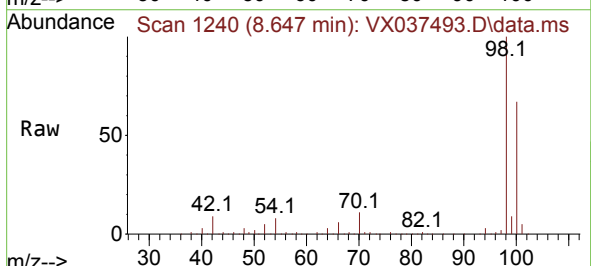
Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-01B-67-083123

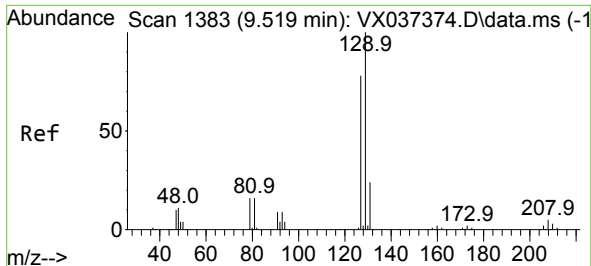
Tgt Ion: 98 Resp: 304187  
Ion Ratio Lower Upper  
98 100  
100 67.2 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.404 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX037493.D  
Acq: 02 Sep 2023 19:14

Tgt Ion: 43 Resp: 982  
Ion Ratio Lower Upper  
43 100  
58 206.9 30.4 45.6#

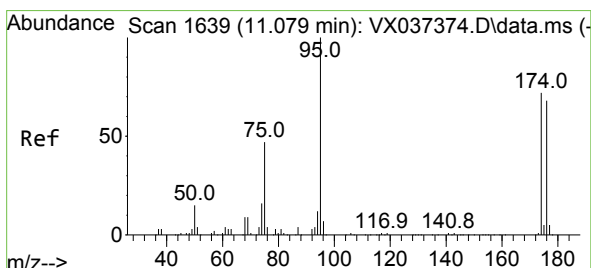
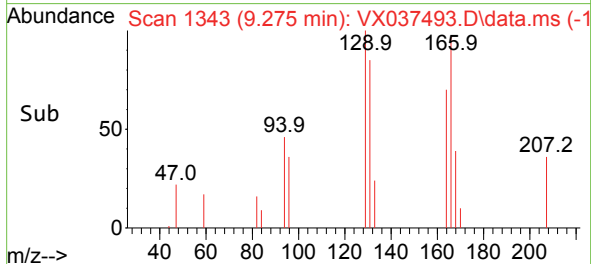
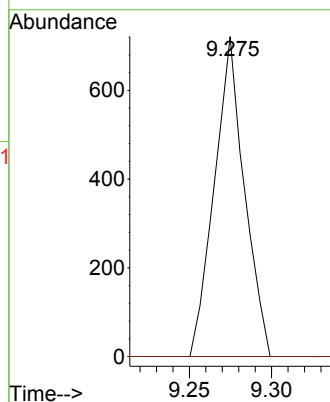
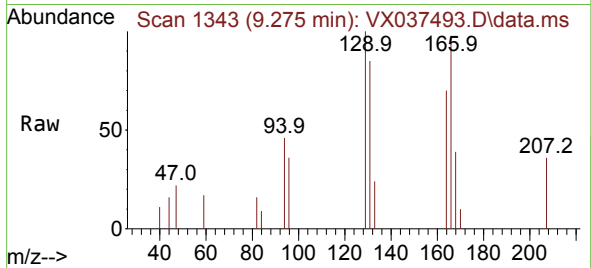




#60  
Dibromochloromethane  
Concen: 0.452 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.244 min  
Lab File: VX037493.D  
Acq: 02 Sep 2023 19:14

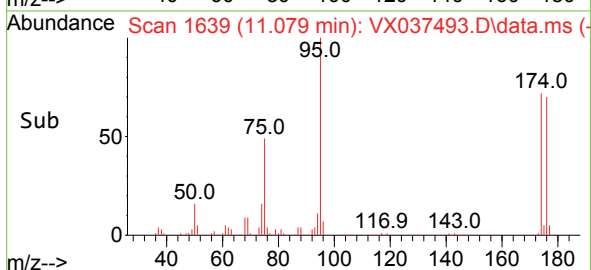
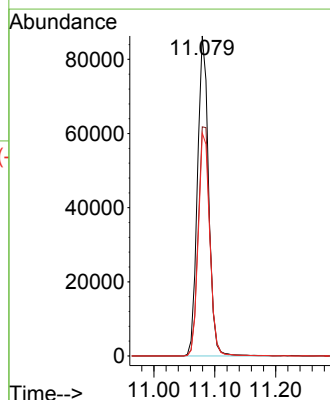
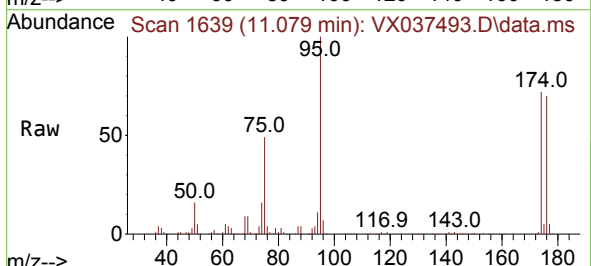
Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-01B-67-083123

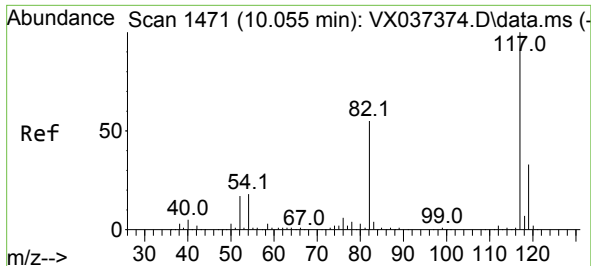
Tgt Ion:129 Resp: 915  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.8 116.4#



#62  
4-Bromofluorobenzene  
Concen: 44.118 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX037493.D  
Acq: 02 Sep 2023 19:14

Tgt Ion: 95 Resp: 109170  
Ion Ratio Lower Upper  
95 100  
174 75.6 0.0 135.6  
176 71.9 0.0 131.0

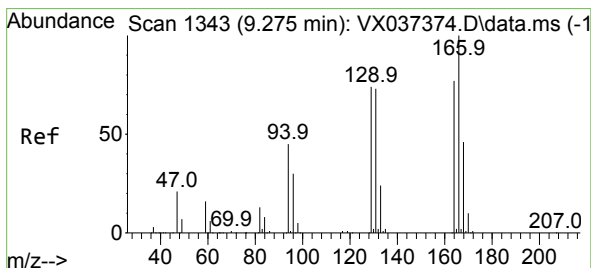
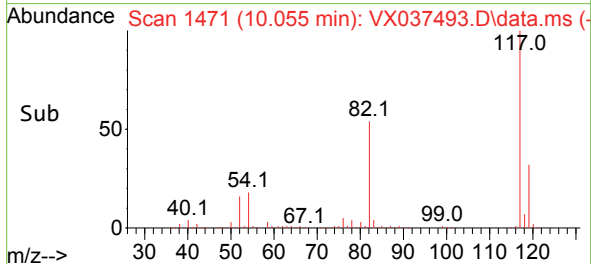
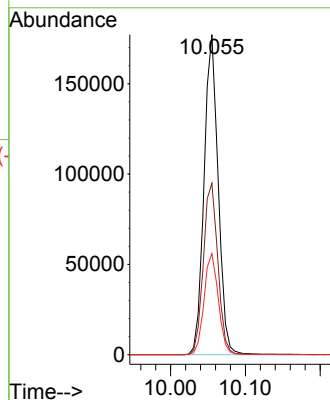
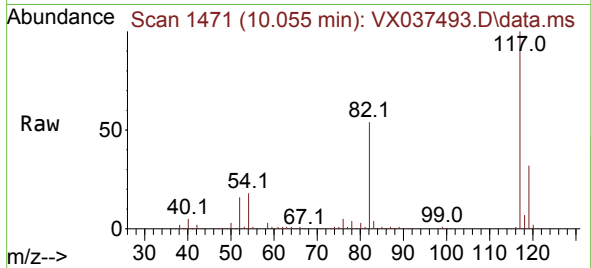




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX037493.D  
Acq: 02 Sep 2023 19:14

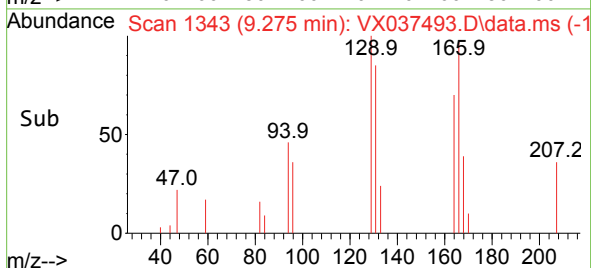
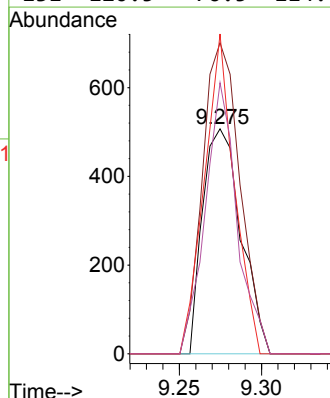
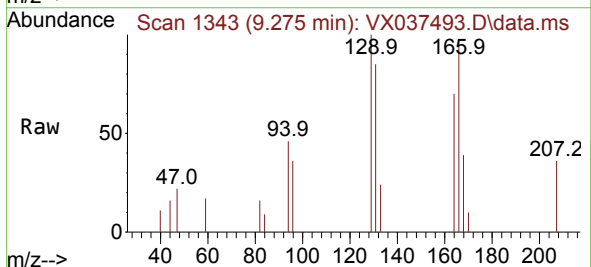
Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-01B-67-083123

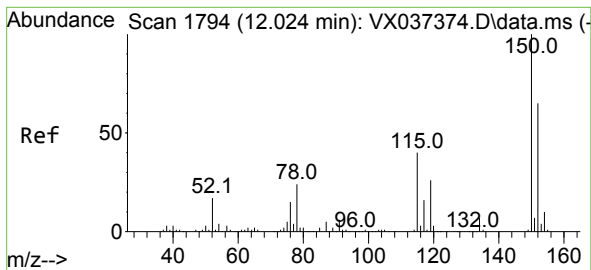
Tgt Ion:117 Resp: 232304  
Ion Ratio Lower Upper  
117 100  
82 53.6 46.2 69.4  
119 31.6 25.5 38.3



#64  
Tetrachloroethene  
Concen: 0.485 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX037493.D  
Acq: 02 Sep 2023 19:14

Tgt Ion:164 Resp: 822  
Ion Ratio Lower Upper  
164 100  
166 138.3 102.7 154.1  
129 142.2 80.4 120.6#  
131 120.5 76.5 114.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037493.D

Acq: 02 Sep 2023 19:14

Instrument :

MSVOA\_X

ClientSampleId :

OW-01B-67-083123

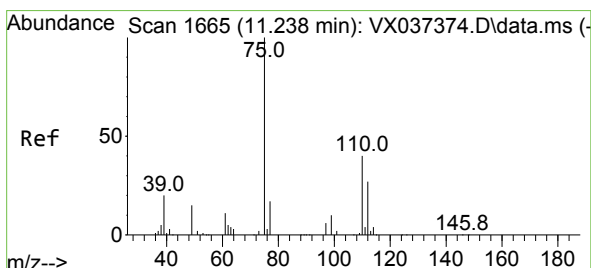
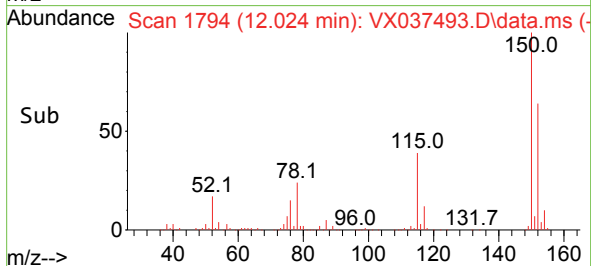
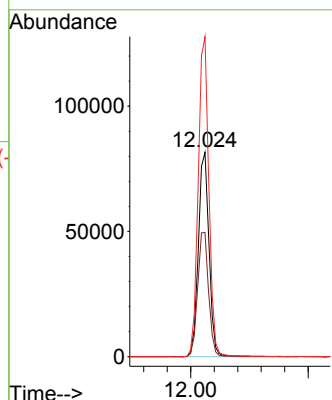
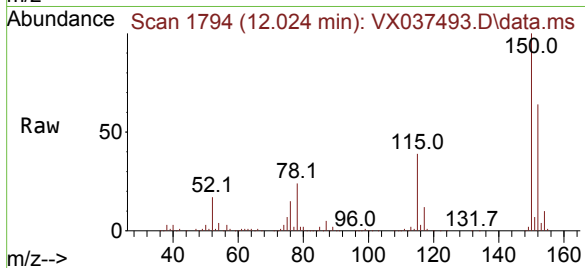
Tgt Ion:152 Resp: 102984

Ion Ratio Lower Upper

152 100

115 62.5 43.3 129.9

150 156.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.111 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037493.D

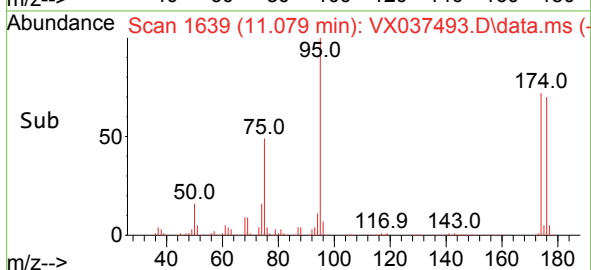
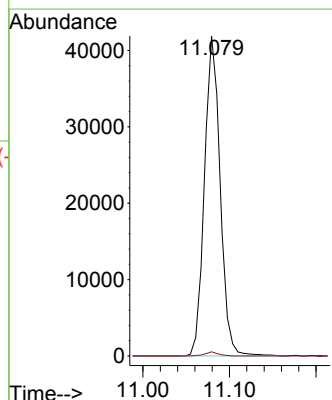
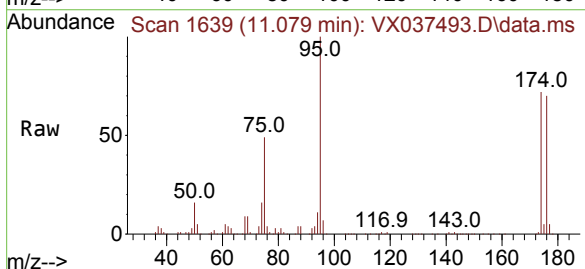
Acq: 02 Sep 2023 19:14

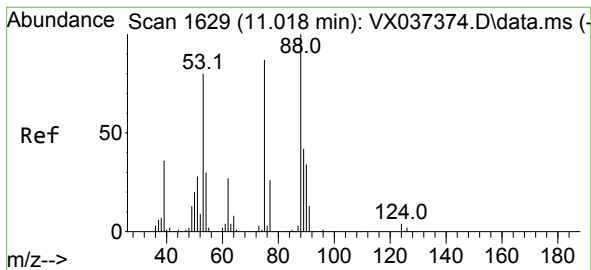
Tgt Ion: 75 Resp: 52881

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 67.344 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX037493.D  
 Acq: 02 Sep 2023 19:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OW-01B-67-083123

Tgt Ion: 75 Resp: 52881  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

