

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072621\  
 Data File : VX023447.D  
 Acq On : 26 Jul 2021 13:39  
 Operator : JC/MD  
 Sample : M3145-15  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 27 03:27:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:05:38 2021  
 Response via : Initial Calibration

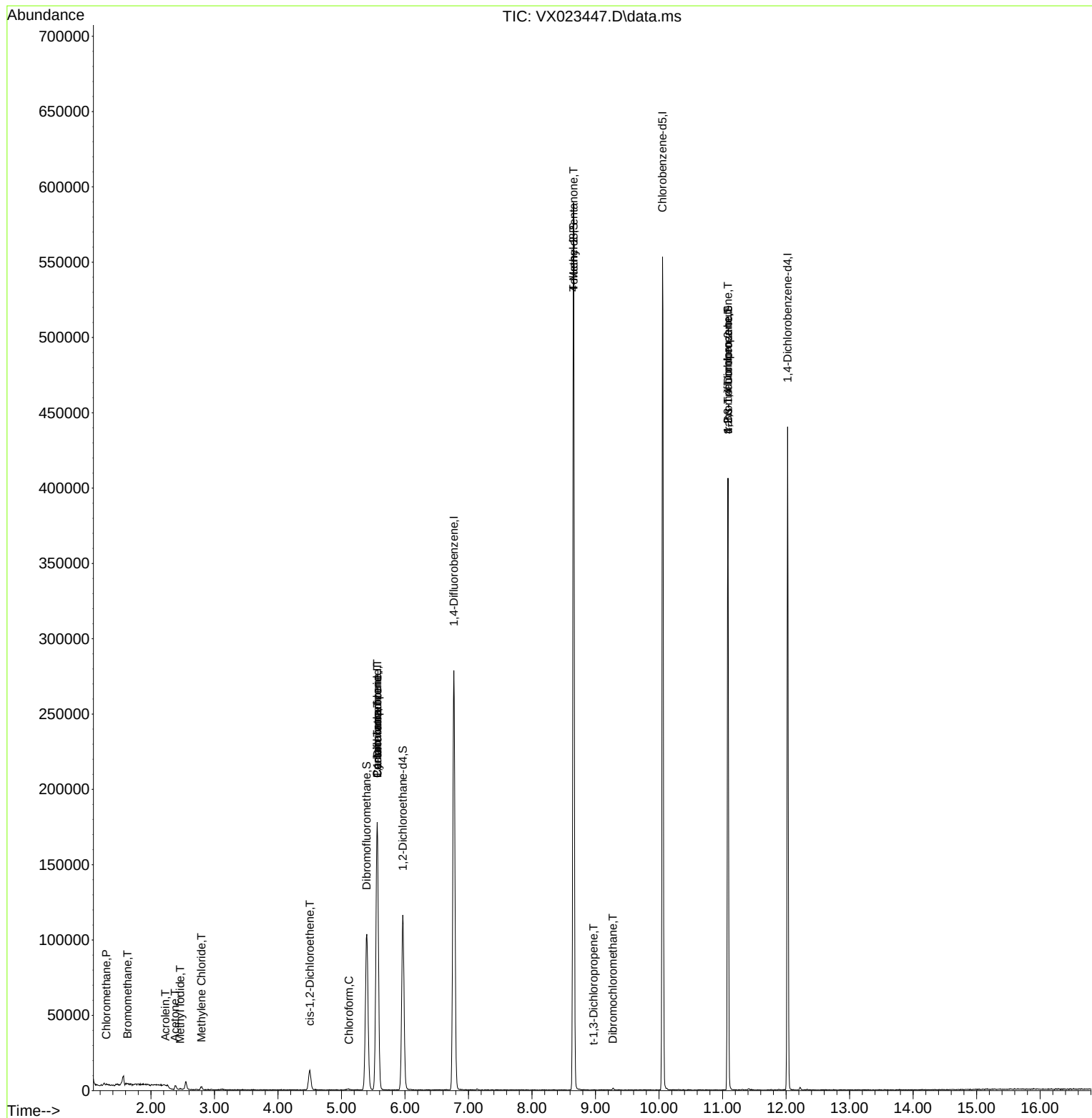
| Compound                      | R.T.   | QIon  | Response | Conc     | Units     | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-----------|----------|
| -----                         |        |       |          |          |           |          |
| Internal Standards            |        |       |          |          |           |          |
| 1) Pentafluorobenzene         | 5.562  | 168   | 170250   | 50.00    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 283387   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 247953   | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 87275    | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds   |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 108703   | 51.19    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 102.38% |          |
| 35) Dibromofluoromethane      | 5.397  | 113   | 89301    | 50.40    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 100.80% |          |
| 50) Toluene-d8                | 8.653  | 98    | 339565   | 52.16    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 104.32% |          |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 101464   | 45.84    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 91.68%  |          |
| Target Compounds              |        |       |          |          |           |          |
|                               |        |       |          |          |           | Qvalue   |
| 3) Chloromethane              | 1.294  | 50    | 486      | 0.27     | ug/l      | 99       |
| 5) Bromomethane               | 1.630  | 94    | 652      | 0.59     | ug/l #    | 69       |
| 10) Methyl Iodide             | 2.459  | 142   | 610      | 0.29     | ug/l #    | 87       |
| 13) Acrolein                  | 2.227  | 56    | 124      | 1.86     | ug/l      | 98       |
| 16) Acetone                   | 2.380  | 43    | 2884     | 2.77     | ug/l #    | 87       |
| 20) Methylene Chloride        | 2.794  | 84    | 769      | 0.38     | ug/l #    | 45       |
| 27) cis-1,2-Dichloroethene    | 4.501  | 96    | 8164     | 3.96     | ug/l      | 86       |
| 30) Chloroform                | 5.117  | 83    | 913      | 0.27     | ug/l      | 88       |
| 31) Cyclohexane               | 5.562  | 56    | 3784     | 1.20     | ug/l #    | 1        |
| 36) 1,1-Dichloropropene       | 5.562  | 75    | 12595    | 4.91     | ug/l #    | 49       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 16978    | 6.51     | ug/l #    | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43    | 1706     | 0.56     | ug/l #    | 1        |
| 53) t-1,3-Dichloropropene     | 8.970  | 75    | 76       | 1.84     | ug/l #    | 44       |
| 60) Dibromochloromethane      | 9.275  | 129   | 191      | 2.07     | ug/l #    | 11       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 53368    | 27.79    | ug/l #    | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 53368    | 74.72    | ug/l #    | 12       |
| -----                         |        |       |          |          |           |          |

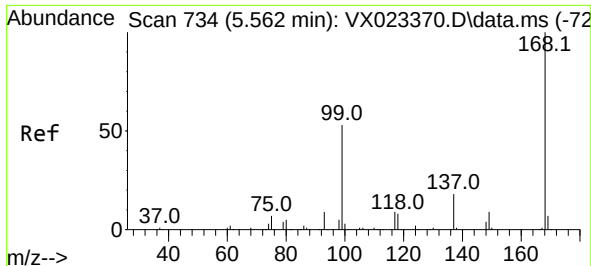
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072621\  
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Instrument :  
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ClientSampleId :

Quant Time: Jul 27 03:27:14 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 06:05:38 2021  
Response via : Initial Calibration

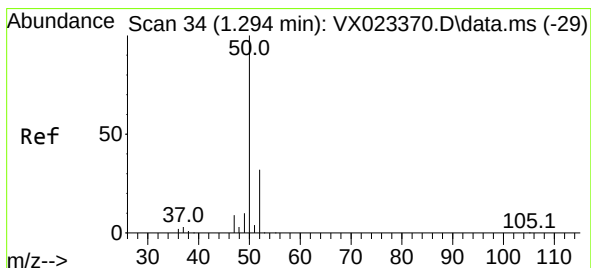
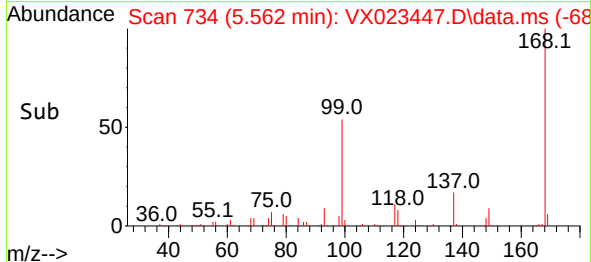
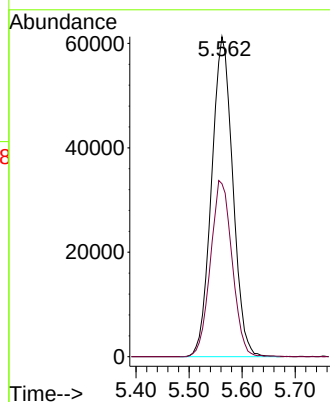
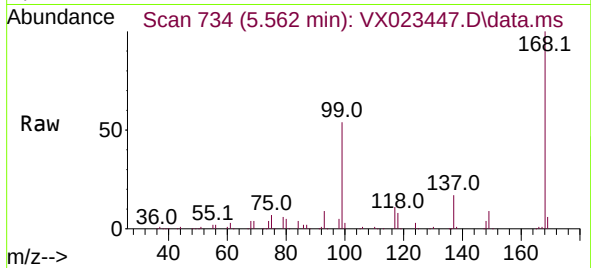




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

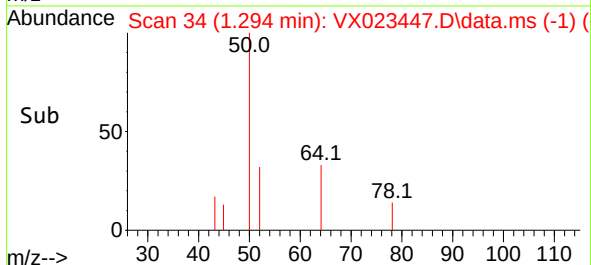
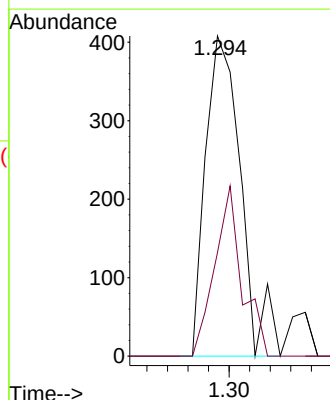
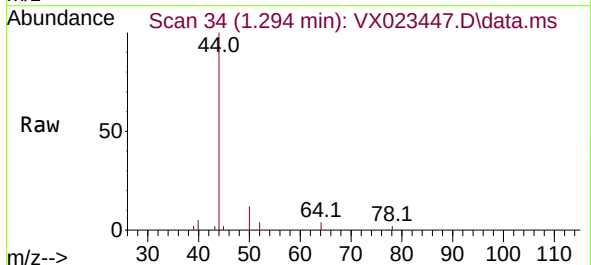
Instrument :  
MSVOA\_X  
ClientSampleId :

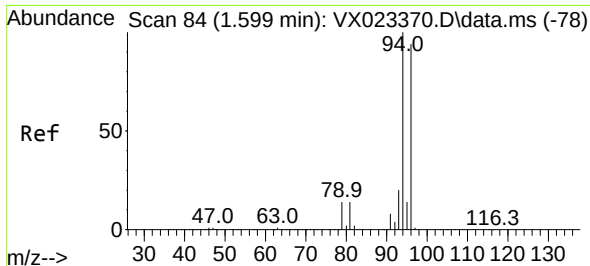
Tgt Ion:168 Resp: 170250  
Ion Ratio Lower Upper  
168 100  
99 54.0 45.8 68.6



#3  
Chloromethane  
Concen: 0.27 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

Tgt Ion: 50 Resp: 486  
Ion Ratio Lower Upper  
50 100  
52 32.4 26.4 39.6

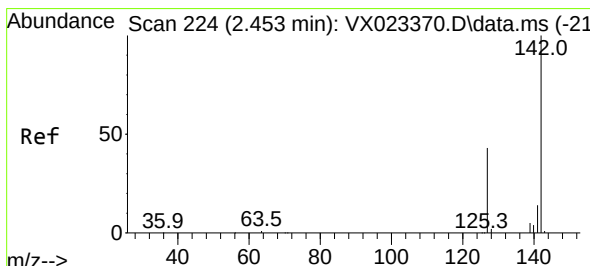
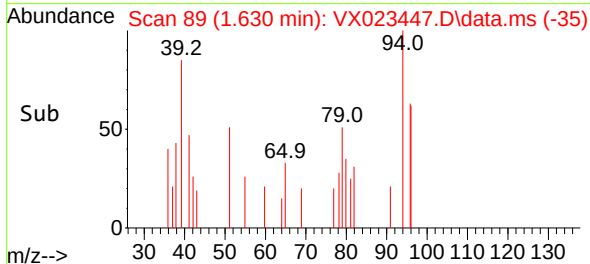
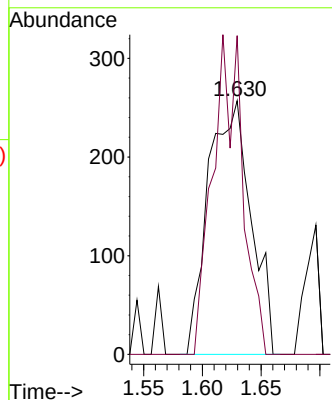
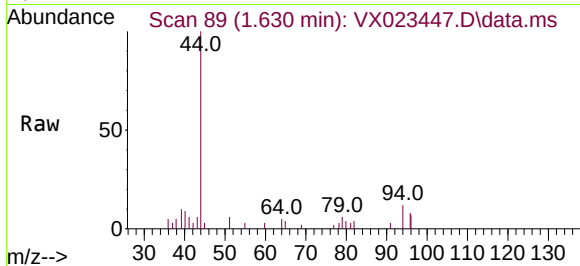




#5  
Bromomethane  
Concen: 0.59 ug/l  
RT: 1.630 min Scan# 89  
Delta R.T. 0.031 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

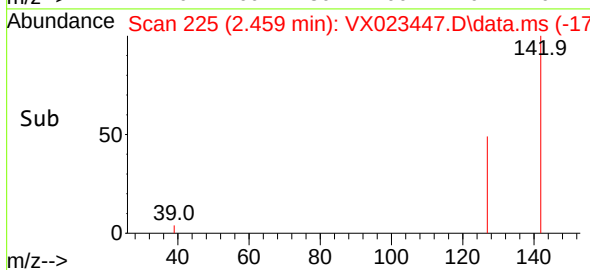
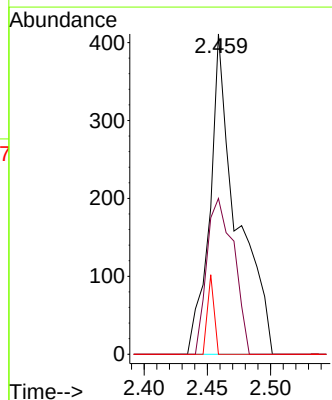
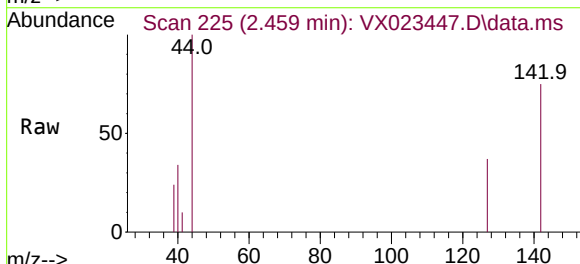
Instrument :  
MSVOA\_X  
ClientSampleId :

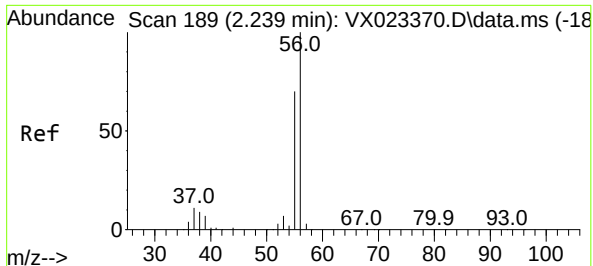
Tgt Ion: 94 Resp: 652  
Ion Ratio Lower Upper  
94 100  
96 125.7 76.4 114.6#



#10  
Methyl Iodide  
Concen: 0.29 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. 0.006 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

Tgt Ion:142 Resp: 610  
Ion Ratio Lower Upper  
142 100  
127 48.5 33.3 49.9  
141 6.1 11.4 17.0#

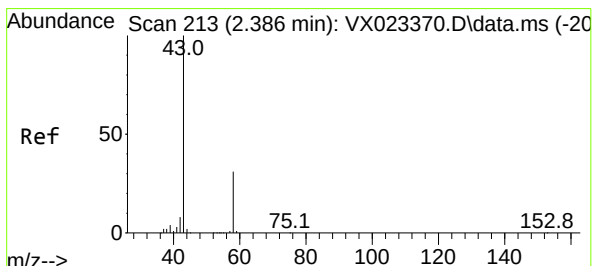
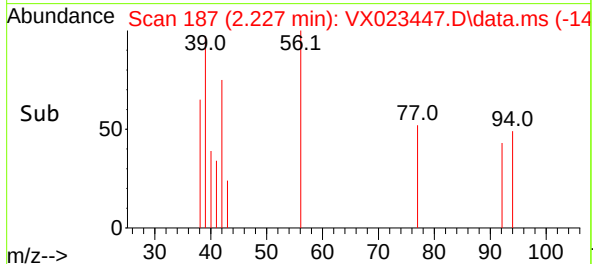
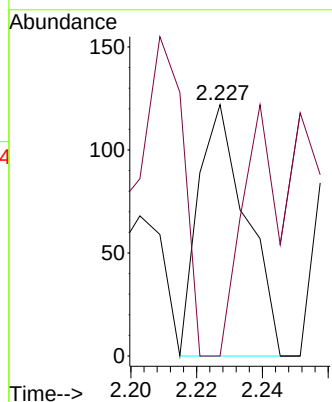
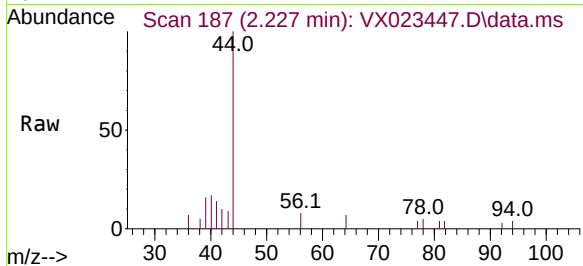




#13  
Acrolein  
Concen: 1.86 ug/l  
RT: 2.227 min Scan# 187  
Delta R.T. -0.012 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

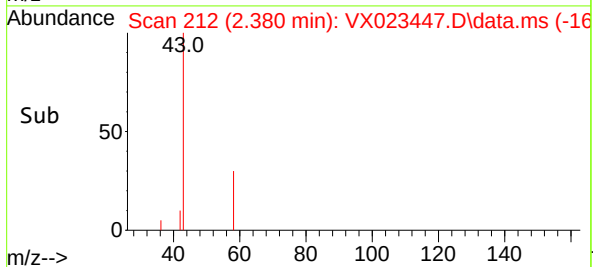
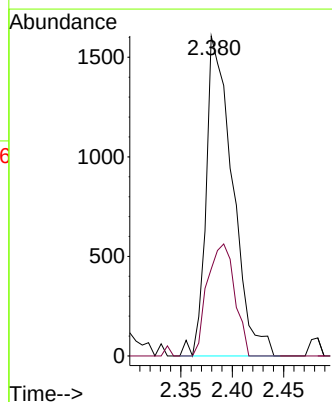
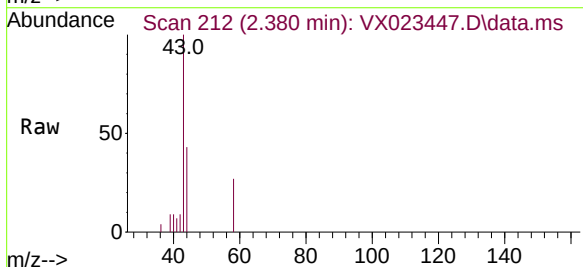
Instrument :  
MSVOA\_X  
ClientSampled :

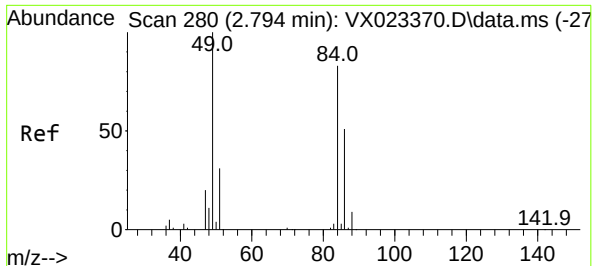
Tgt Ion: 56 Resp: 124  
Ion Ratio Lower Upper  
56 100  
55 71.8 56.4 84.6



#16  
Acetone  
Concen: 2.77 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

Tgt Ion: 43 Resp: 2884  
Ion Ratio Lower Upper  
43 100  
58 27.2 27.8 41.8#

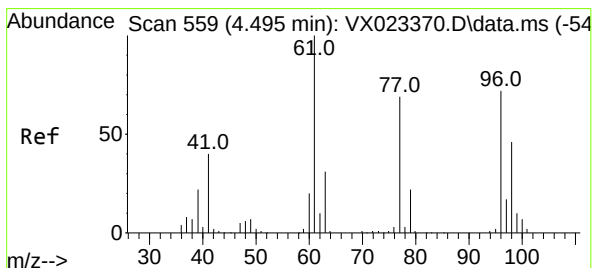
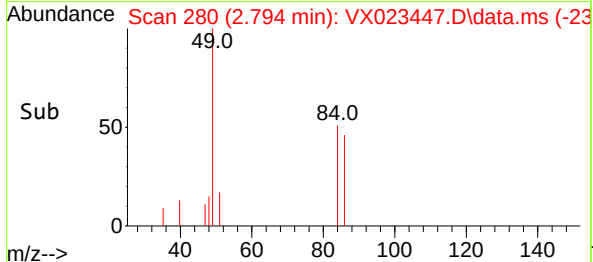
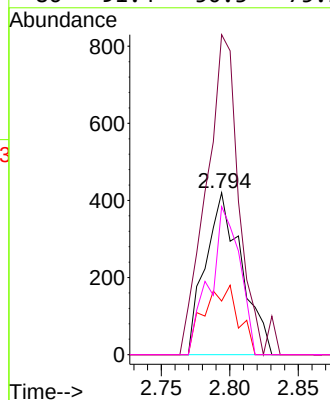
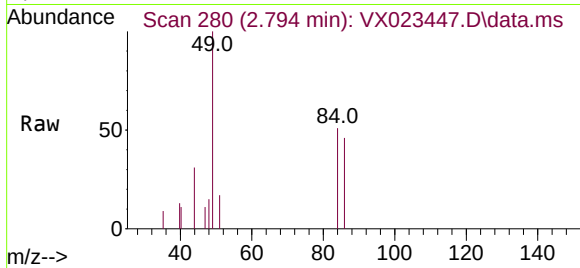




#20  
Methylene Chloride  
Concen: 0.38 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

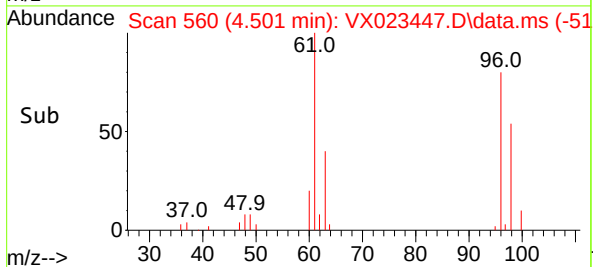
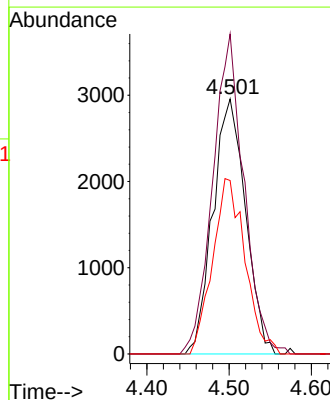
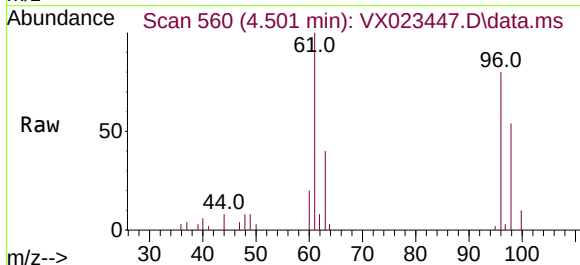
Instrument :  
MSVOA\_X  
ClientSampled :

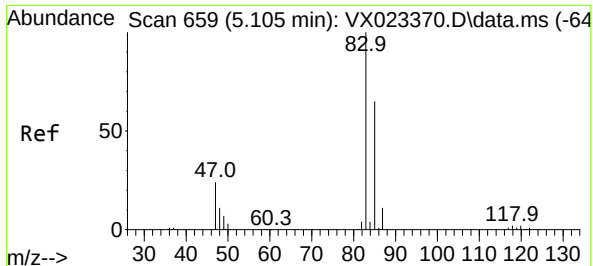
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 769    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 197.6 | 88.6  | 132.8# |
| 51       | 33.1  | 27.0  | 40.6   |
| 86       | 91.4  | 50.3  | 75.5#  |



#27  
cis-1,2-Dichloroethene  
Concen: 3.96 ug/l  
RT: 4.501 min Scan# 560  
Delta R.T. 0.006 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 8164  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 120.1 | 0.0   | 285.6 |
| 98       | 68.3  | 0.0   | 129.6 |





#30

Chloroform

Concen: 0.27 ug/l

RT: 5.117 min Scan# 661

Delta R.T. 0.012 min

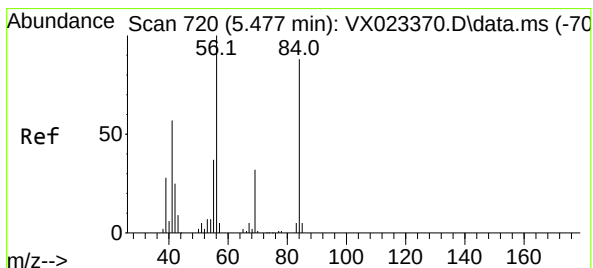
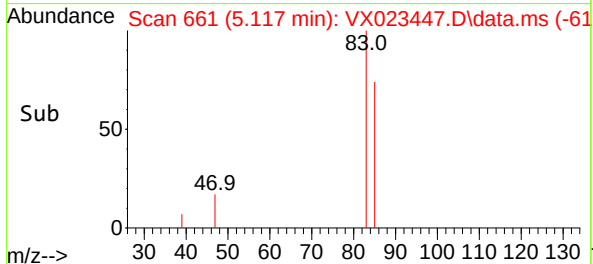
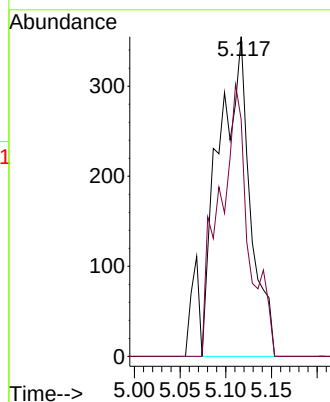
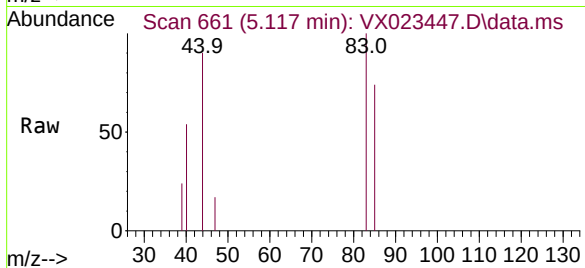
Lab File: VX023447.D

Acq: 26 Jul 2021 13:39

Tgt Ion: 83 Resp: 913

Ion Ratio Lower Upper

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 74.1  | 52.0  | 78.0  |



#31

Cyclohexane

Concen: 1.20 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

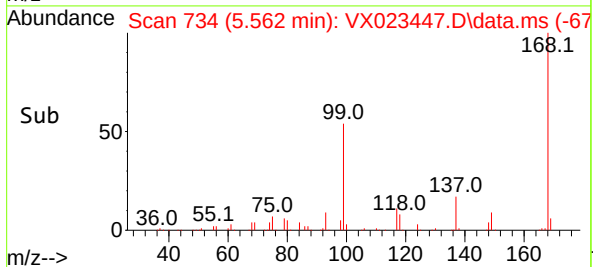
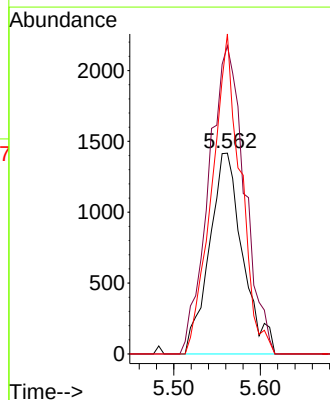
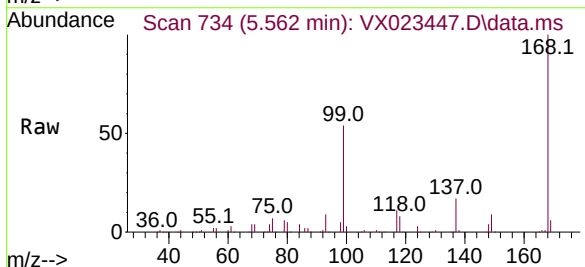
Lab File: VX023447.D

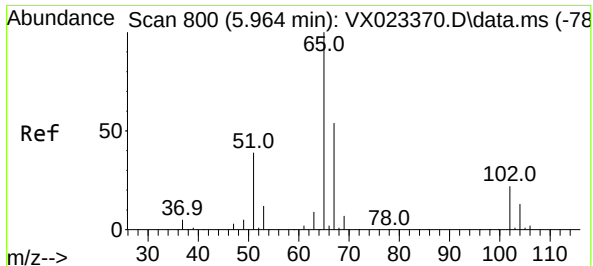
Acq: 26 Jul 2021 13:39

Tgt Ion: 56 Resp: 3784

Ion Ratio Lower Upper

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 153.5 | 25.3  | 37.9#  |
| 84  | 159.4 | 71.4  | 107.0# |

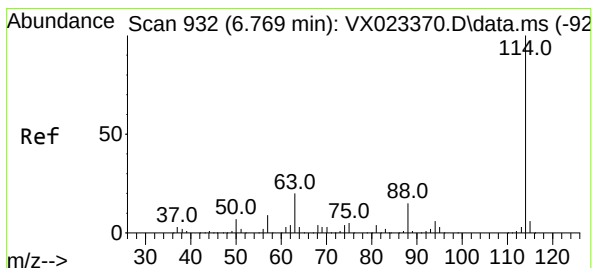
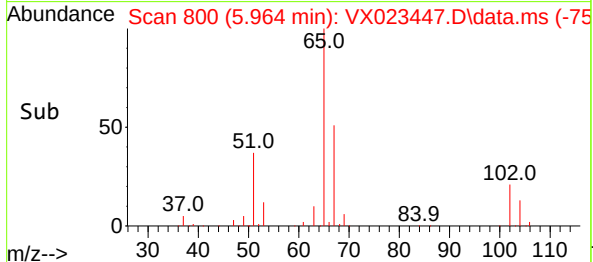
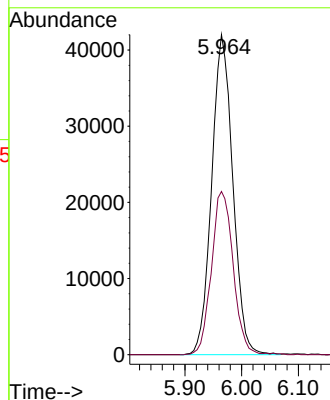
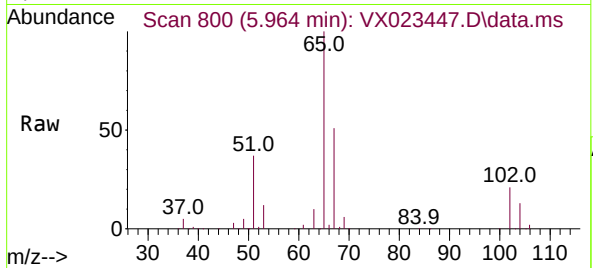




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.19 ug/l  
 RT: 5.964 min Scan# 800  
 Delta R.T. 0.000 min  
 Lab File: VX023447.D  
 Acq: 26 Jul 2021 13:39

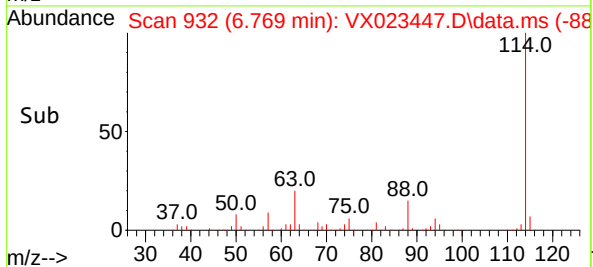
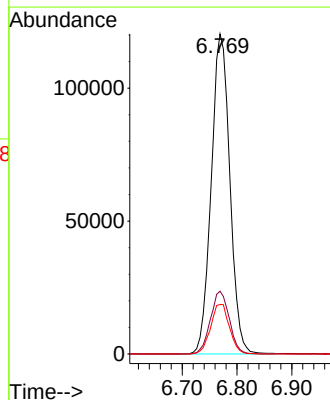
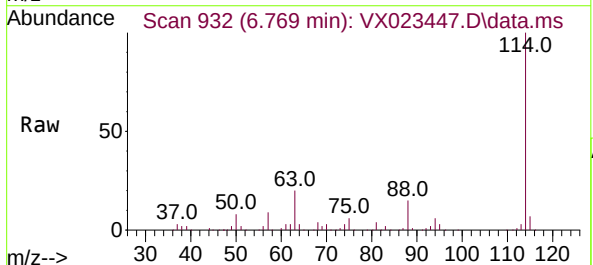
Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tgt Ion: 65 Resp: 108703  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 105.4

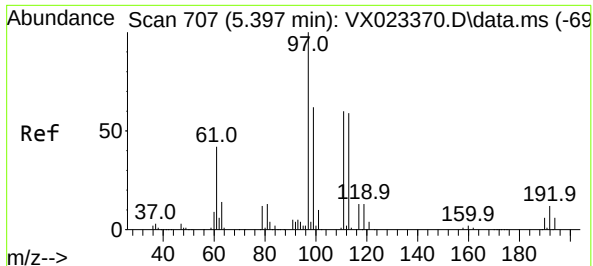


#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.769 min Scan# 932  
 Delta R.T. -0.000 min  
 Lab File: VX023447.D  
 Acq: 26 Jul 2021 13:39

Tgt Ion: 114 Resp: 283387  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 40.8  
 88 15.5 0.0 32.8







#35

Dibromofluoromethane

Concen: 50.40 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023447.D

Acq: 26 Jul 2021 13:39

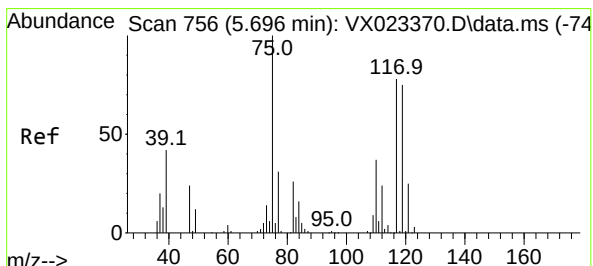
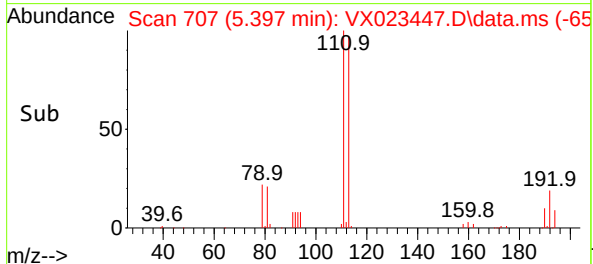
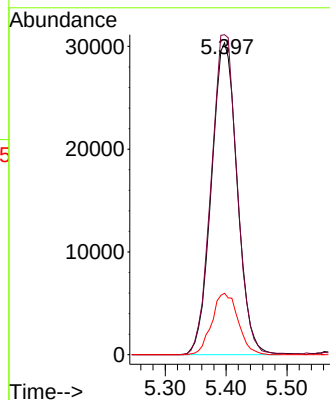
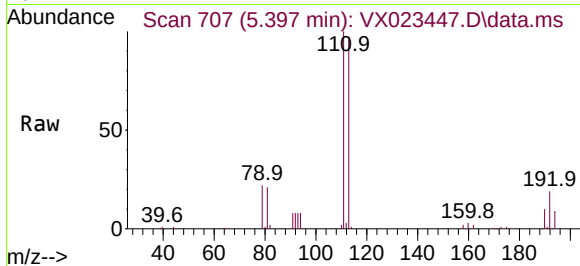
Tgt Ion:113 Resp: 89301

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

192 20.0 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.91 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX023447.D

Acq: 26 Jul 2021 13:39

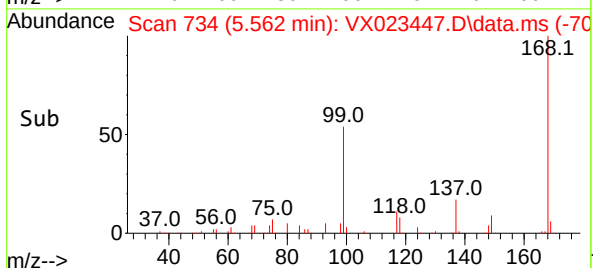
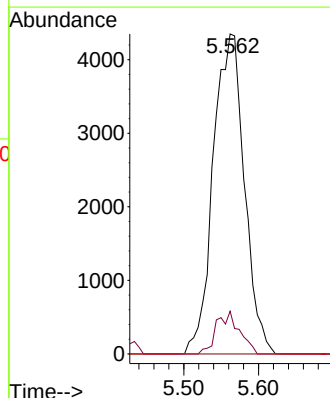
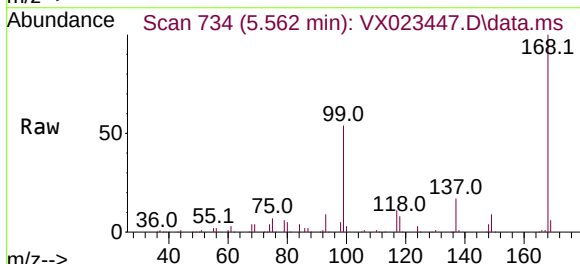
Tgt Ion: 75 Resp: 12595

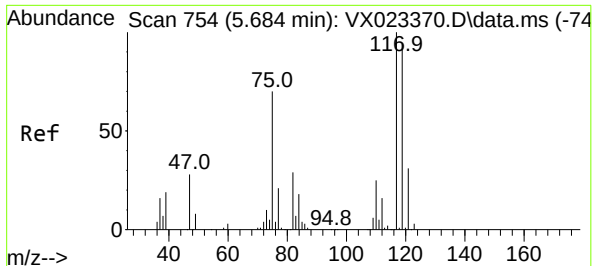
Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.4#

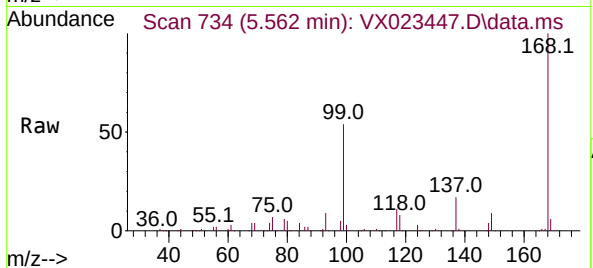
77 0.0 25.3 37.9#



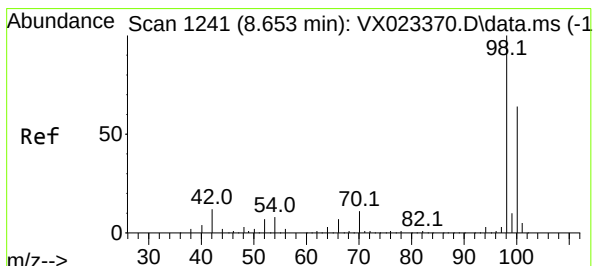
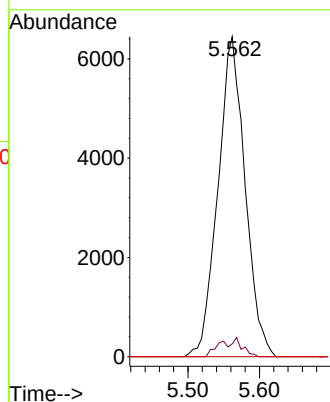
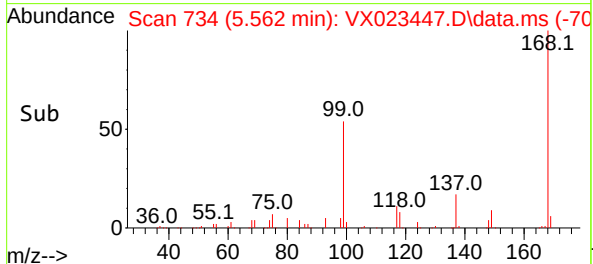


#38  
Carbon Tetrachloride  
Concen: 6.51 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.122 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

Instrument :  
MSVOA\_X  
ClientSampleId :

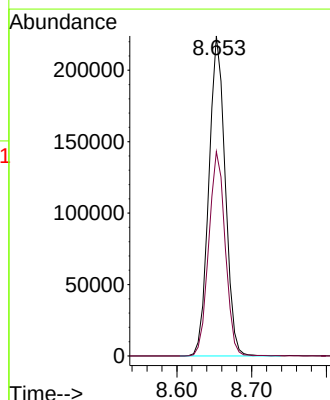
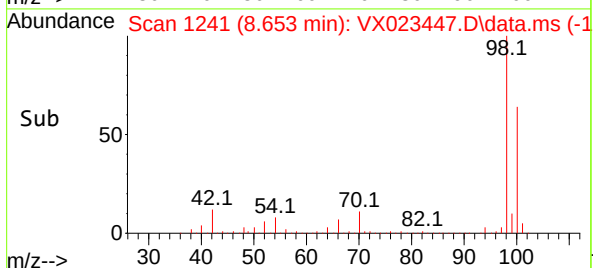
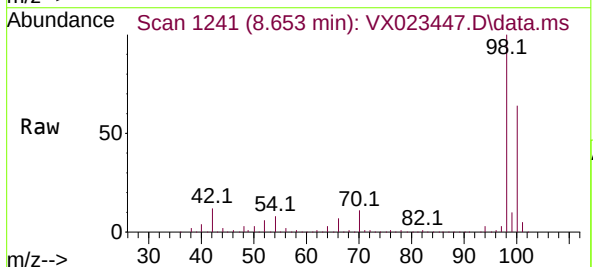


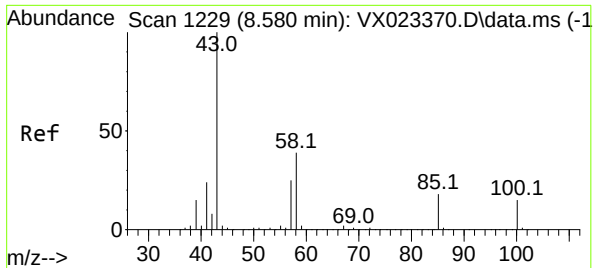
Tgt Ion:117 Resp: 16978  
Ion Ratio Lower Upper  
117 100  
119 4.0 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 52.16 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

Tgt Ion: 98 Resp: 339565  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.9 77.9

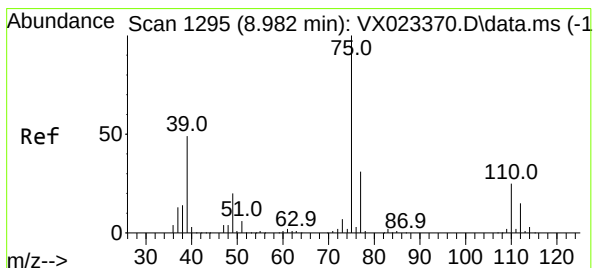
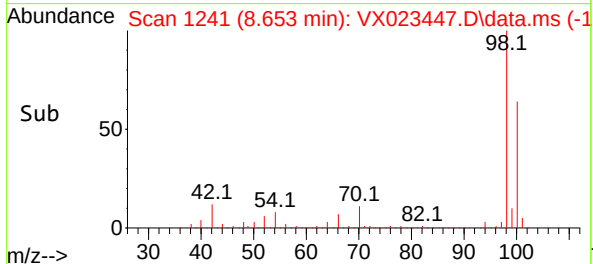
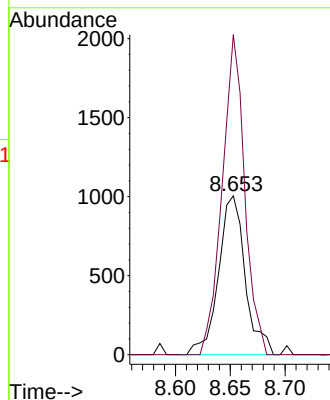
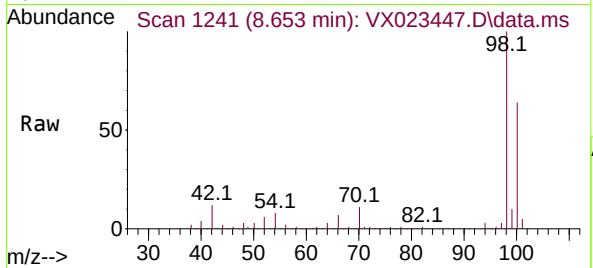




#51  
4-Methyl-2-Pentanone  
Concen: 0.56 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.073 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

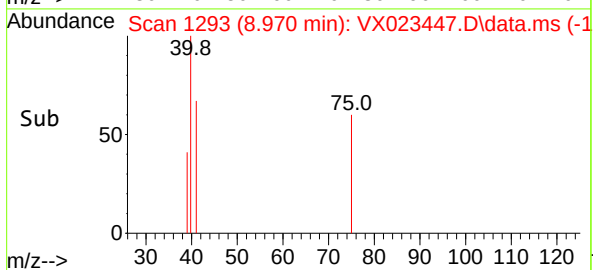
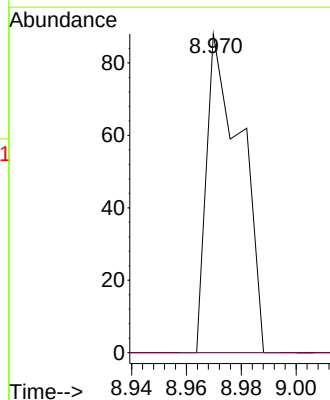
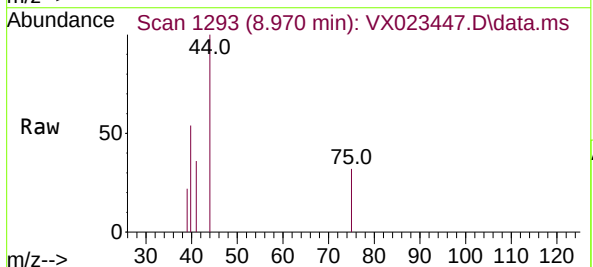
Instrument :  
MSVOA\_X  
ClientSampled :

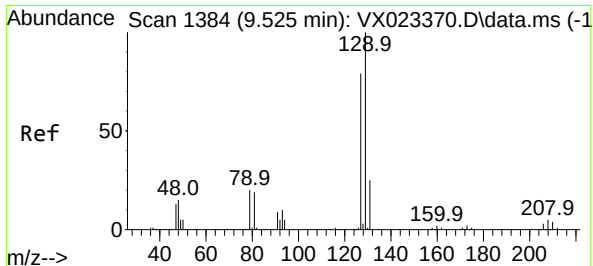
Tgt Ion: 43 Resp: 1706  
Ion Ratio Lower Upper  
43 100  
58 169.1 35.4 53.0#



#53  
t-1,3-Dichloropropene  
Concen: 1.84 ug/l  
RT: 8.970 min Scan# 1293  
Delta R.T. -0.012 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

Tgt Ion: 75 Resp: 76  
Ion Ratio Lower Upper  
75 100  
77 0.0 24.9 37.3#

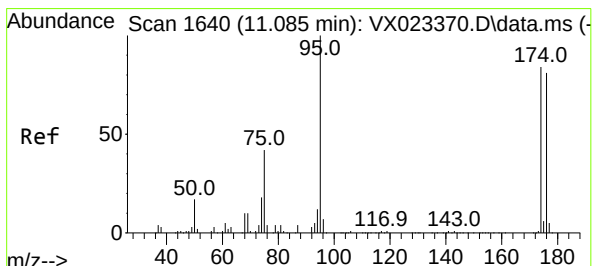
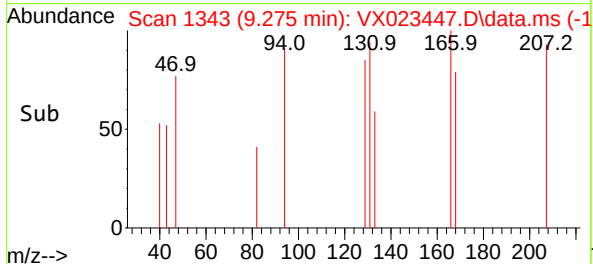
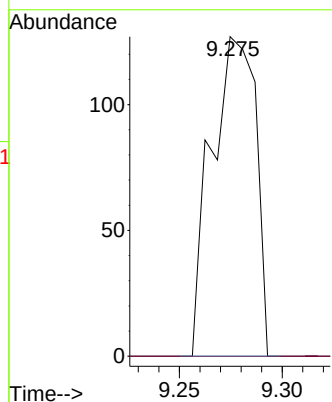
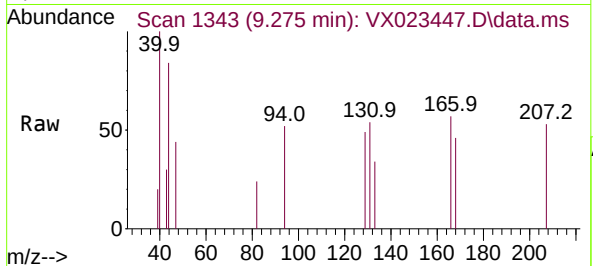




#60  
Dibromochloromethane  
Concen: 2.07 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.250 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

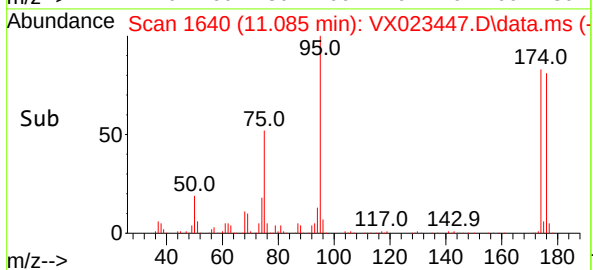
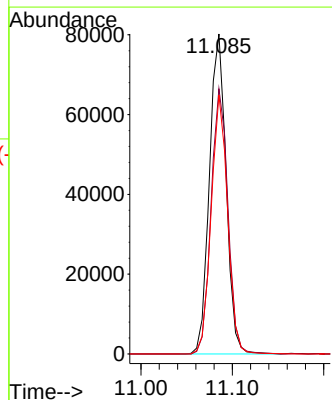
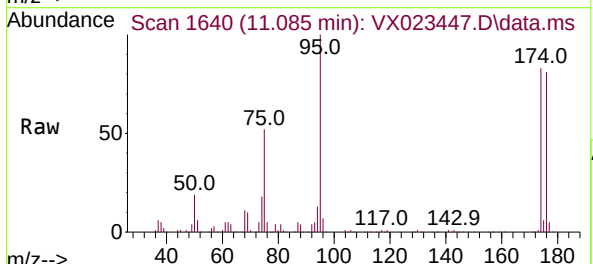
Instrument :  
MSVOA\_X  
ClientSampled :

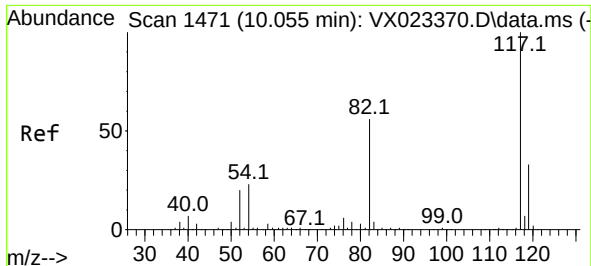
Tgt Ion:129 Resp: 191  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#



#62  
4-Bromofluorobenzene  
Concen: 45.84 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

Tgt Ion: 95 Resp: 101464  
Ion Ratio Lower Upper  
95 100  
174 83.6 0.0 154.6  
176 79.7 0.0 155.8

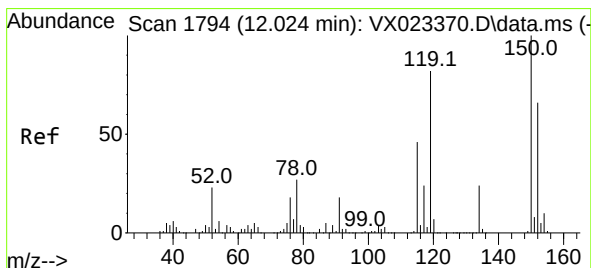
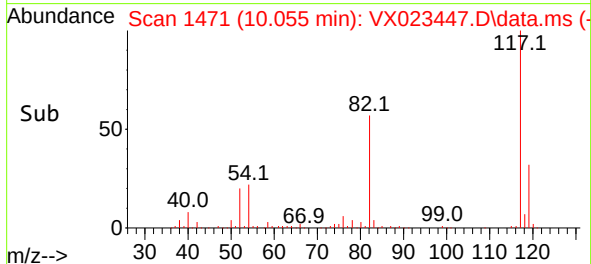
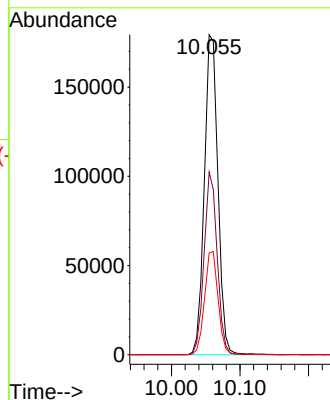
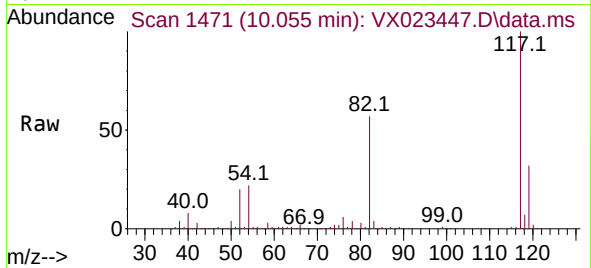




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

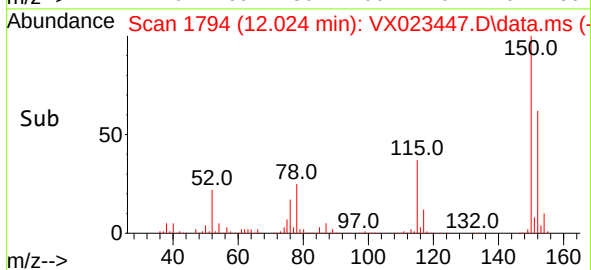
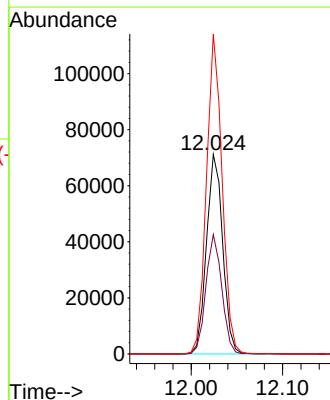
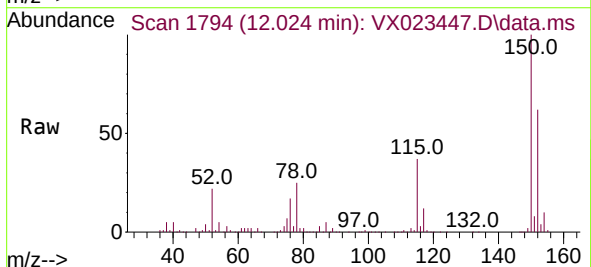
Instrument :  
MSVOA\_X  
ClientSampleId :

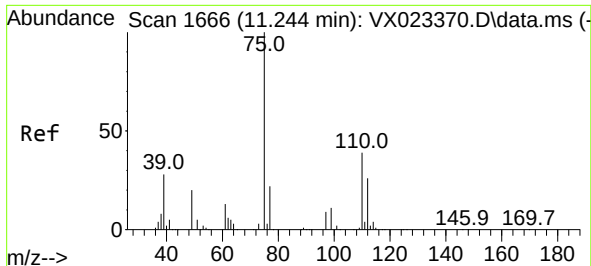
Tgt Ion:117 Resp: 247953  
Ion Ratio Lower Upper  
117 100  
82 57.1 47.4 71.2  
119 31.8 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

Tgt Ion:152 Resp: 87275  
Ion Ratio Lower Upper  
152 100  
115 58.7 41.1 123.3  
150 154.8 0.0 349.0

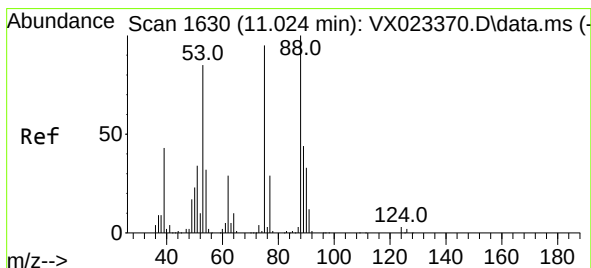
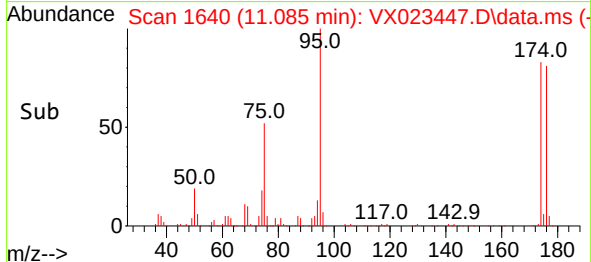
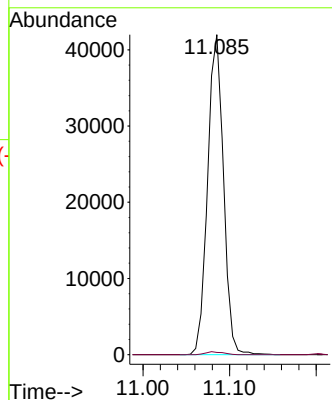
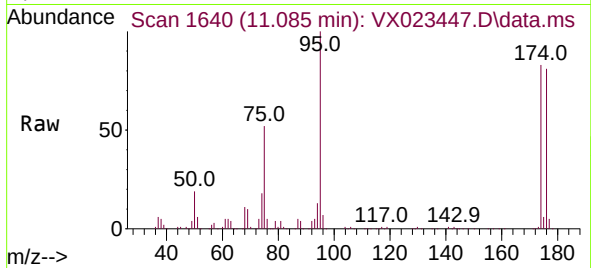




#76  
1,2,3-Trichloropropane  
Concen: 27.79 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion: 75 Resp: 53368  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.72 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX023447.D  
Acq: 26 Jul 2021 13:39

Tgt Ion: 75 Resp: 53368  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.1 37.9 56.9#

