

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071521\  
 Data File : VX023299.D  
 Acq On : 15 Jul 2021 15:15  
 Operator : JC/MD  
 Sample : M3027-03 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 16 03:51:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 02 14:29:42 2021  
 Response via : Initial Calibration

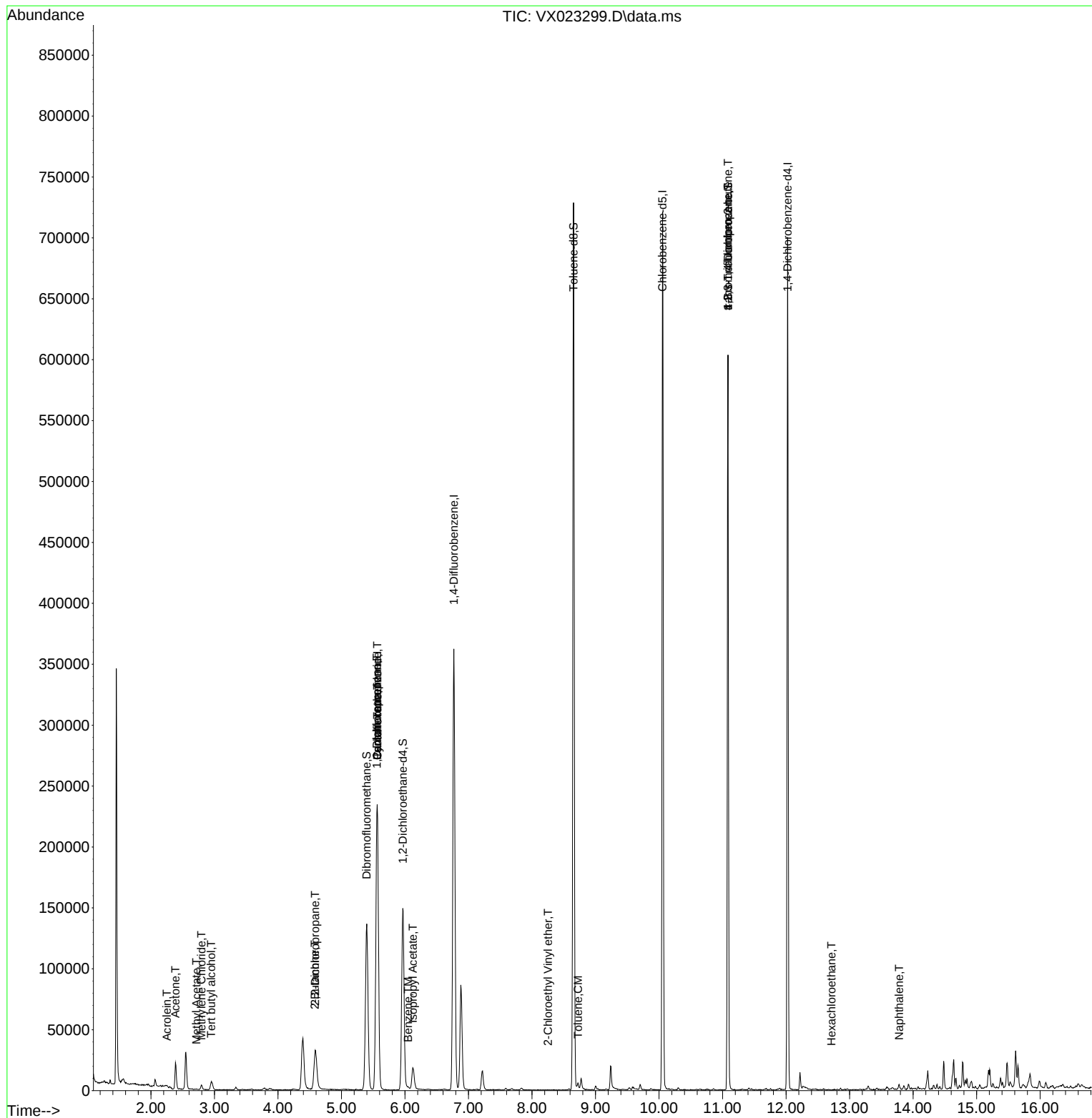
| Compound                      | R.T.   | QIon           | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|-----------|----------|----------|
| -----                         |        |                |          |           |          |          |
| Internal Standards            |        |                |          |           |          |          |
| 1) Pentafluorobenzene         | 5.562  | 168            | 222537   | 50.000    | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114            | 361702   | 50.000    | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117            | 324075   | 50.000    | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152            | 142620   | 50.000    | ug/l     | 0.00     |
| System Monitoring Compounds   |        |                |          |           |          |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65             | 153527   | 51.331    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | =         | 102.660% |          |
| 35) Dibromofluoromethane      | 5.397  | 113            | 114886   | 49.187    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | =         | 98.380%  |          |
| 50) Toluene-d8                | 8.653  | 98             | 426349   | 48.934    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | =         | 97.860%  |          |
| 62) 4-Bromofluorobenzene      | 11.085 | 95             | 158956   | 47.257    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | =         | 94.520%  |          |
| Target Compounds              |        |                |          |           |          |          |
|                               |        |                |          |           | Qvalue   |          |
| 5) Bromomethane               | 1.611  | 94             | 343      | Below Cal | #        | 41       |
| 11) Tert butyl alcohol        | 2.947  | 59             | 4675     | 7.430     | ug/l #   | 73       |
| 13) Acrolein                  | 2.252  | 56             | 255      | 0.609     | ug/l #   | 1        |
| 16) Acetone                   | 2.386  | 43             | 22297    | 18.843    | ug/l     | 94       |
| 18) Methyl Acetate            | 2.715  | 43             | 593      | 0.206     | ug/l #   | 54       |
| 20) Methylene Chloride        | 2.794  | 84             | 1741     | 0.683     | ug/l #   | 92       |
| 25) 2-Butanone                | 4.580  | 43             | 3783     | 2.120     | ug/l #   | 74       |
| 26) 2,2-Dichloropropane       | 4.587  | 77             | 2834     | 0.822     | ug/l #   | 52       |
| 31) Cyclohexane               | 5.562  | 56             | 4272     | 1.193     | ug/l #   | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75             | 17486    | 5.423     | ug/l #   | 50       |
| 38) Carbon Tetrachloride      | 5.562  | 117            | 23230    | 6.902     | ug/l #   | 16       |
| 40) Benzene                   | 6.050  | 78             | 2389     | 0.255     | ug/l #   | 80       |
| 43) Isopropyl Acetate         | 6.123  | 43             | 15789    | 2.699     | ug/l #   | 57       |
| 52) Toluene                   | 8.726  | 92             | 1323     | 0.218     | ug/l     | 97       |
| 58) 2-Chloroethyl Vinyl ether | 8.251  | 63             | 20       | 4.699     | ug/l #   | 45       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75             | 81104    | 28.259    | ug/l #   | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75             | 81104    | 76.153    | ug/l #   | 12       |
| 90) Hexachloroethane          | 12.713 | 117            | 24       | 3.010     | ug/l #   | 9        |
| 95) Naphthalene               | 13.780 | 128            | 2651     | 1.518     | ug/l     | 97       |
| -----                         |        |                |          |           |          |          |

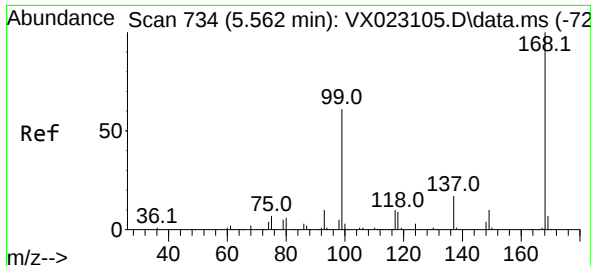
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Title : SW846 8260  
QLast Update : Fri Jul 02 14:29:42 2021  
Response via : Initial Calibration

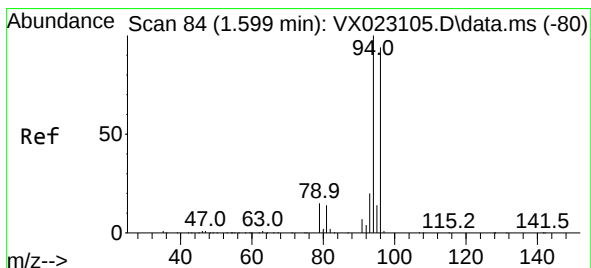
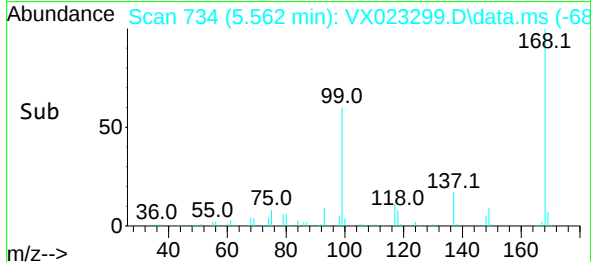
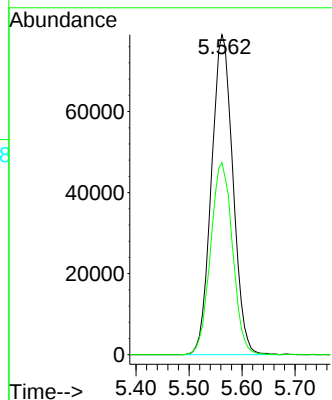
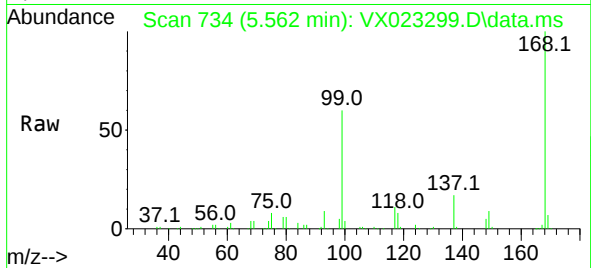




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

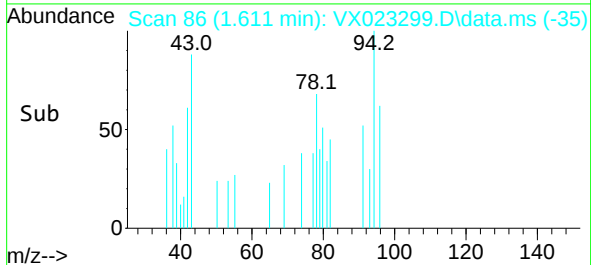
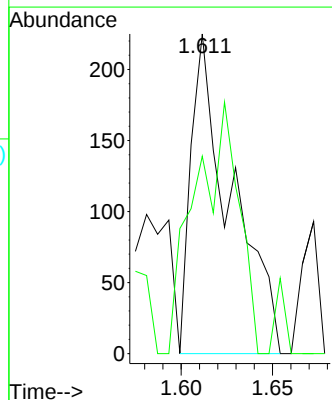
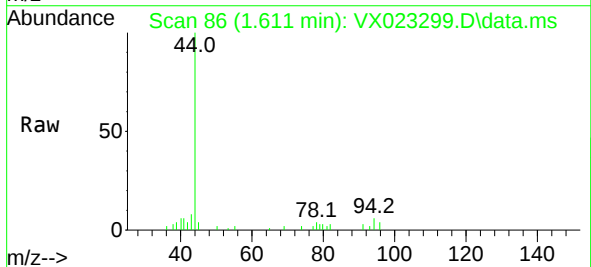
Instrument :  
MSVOA\_X  
ClientSampled :

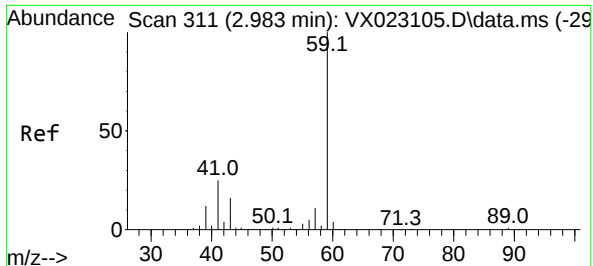
Tgt Ion:168 Resp: 222537  
Ion Ratio Lower Upper  
168 100  
99 60.0 45.8 68.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.611 min Scan# 86  
Delta R.T. 0.012 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

Tgt Ion: 94 Resp: 343  
Ion Ratio Lower Upper  
94 100  
96 38.2 76.4 114.6#



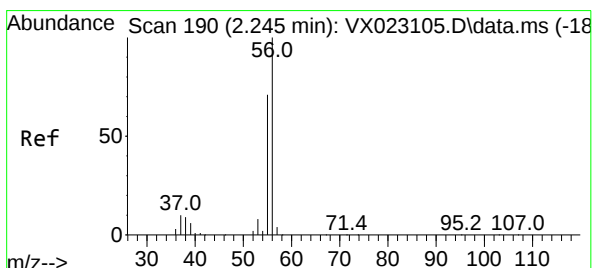
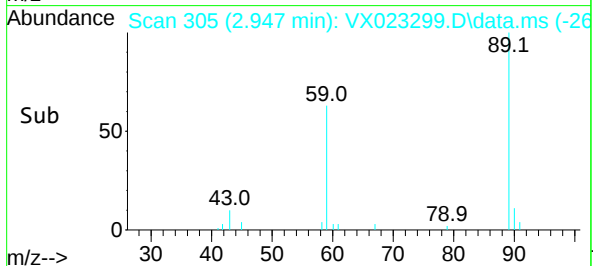
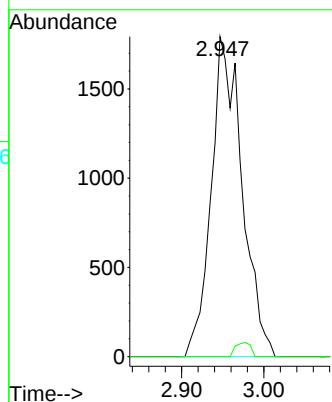
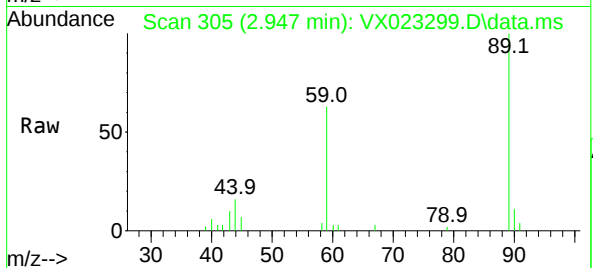


#11

Tert butyl alcohol  
Concen: 7.430 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.036 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

Instrument :  
MSVOA\_X  
ClientSampled :

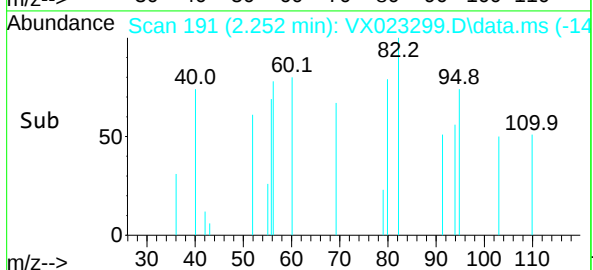
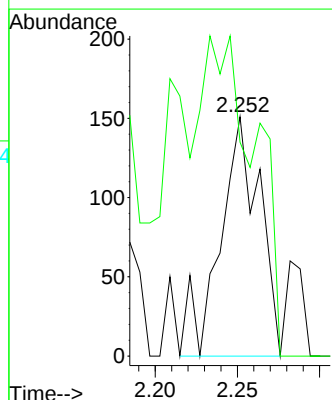
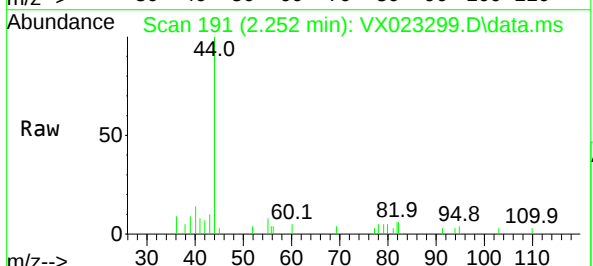
Tgt Ion: 59 Resp: 4675  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

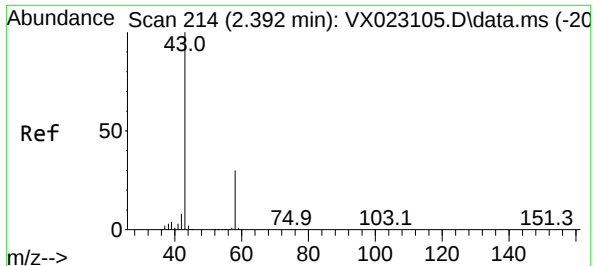


#13

Acrolein  
Concen: 0.609 ug/l  
RT: 2.252 min Scan# 191  
Delta R.T. 0.007 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

Tgt Ion: 56 Resp: 255  
Ion Ratio Lower Upper  
56 100  
55 182.7 56.4 84.6#

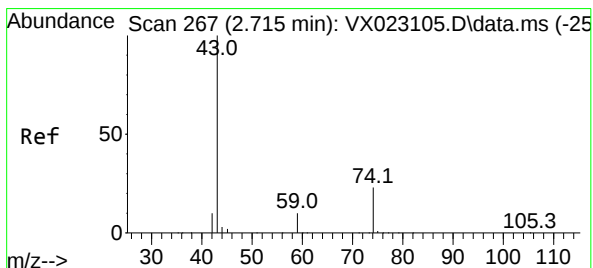
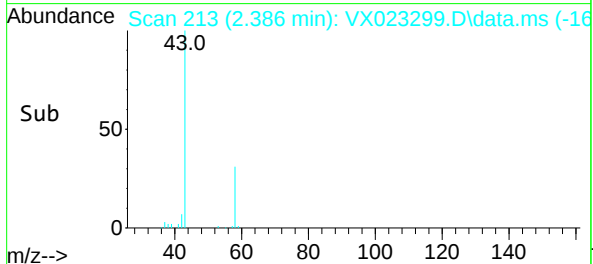
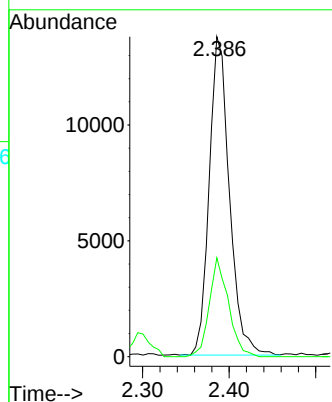
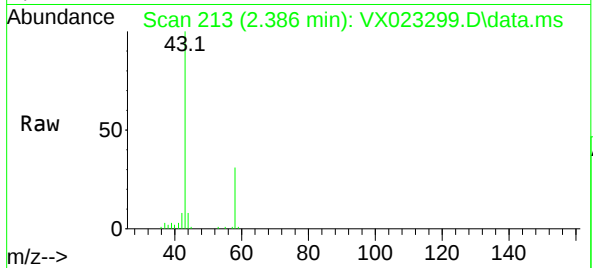




#16  
Acetone  
Concen: 18.843 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

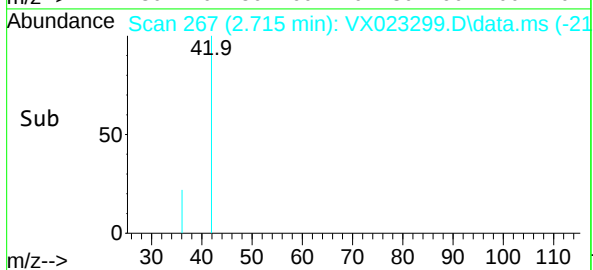
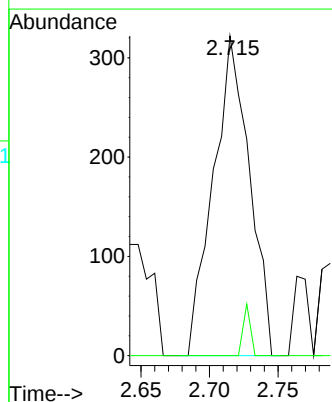
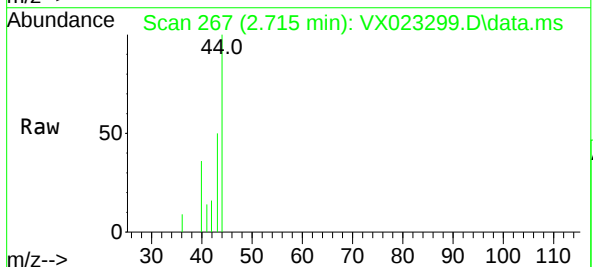
Instrument :  
MSVOA\_X  
ClientSampled :

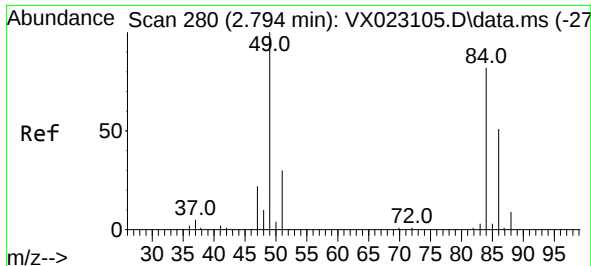
Tgt Ion: 43 Resp: 22297  
Ion Ratio Lower Upper  
43 100  
58 31.1 27.8 41.8



#18  
Methyl Acetate  
Concen: 0.206 ug/l  
RT: 2.715 min Scan# 267  
Delta R.T. -0.000 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

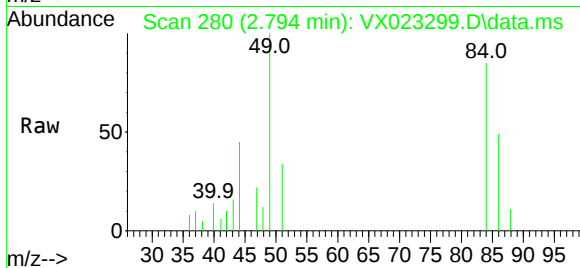
Tgt Ion: 43 Resp: 593  
Ion Ratio Lower Upper  
43 100  
74 3.2 21.9 32.9#



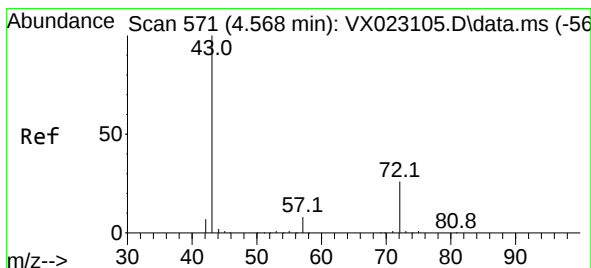
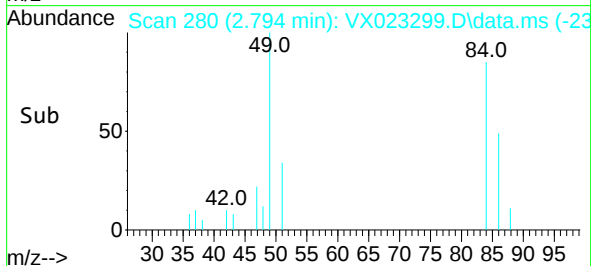
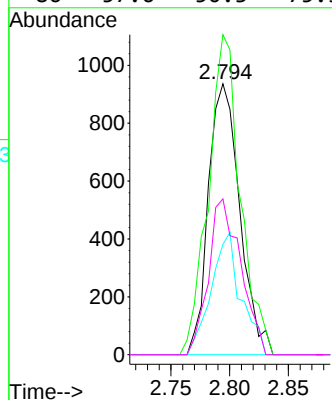


#20  
Methylene Chloride  
Concen: 0.683 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

Instrument :  
MSVOA\_X  
ClientSampled :

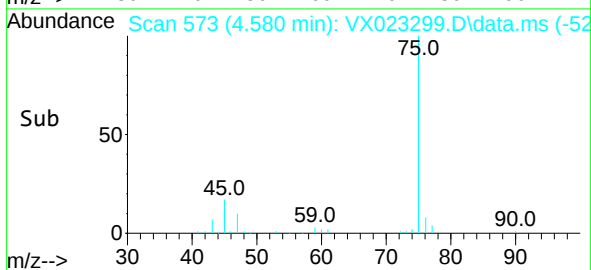
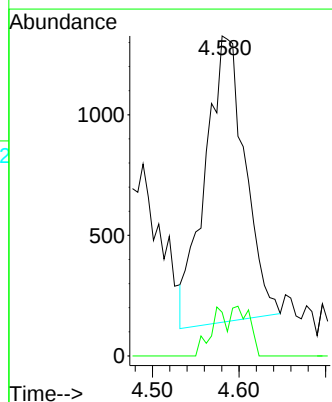
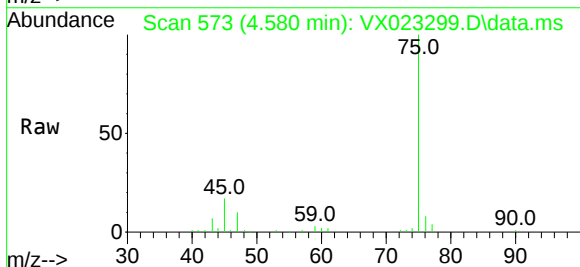


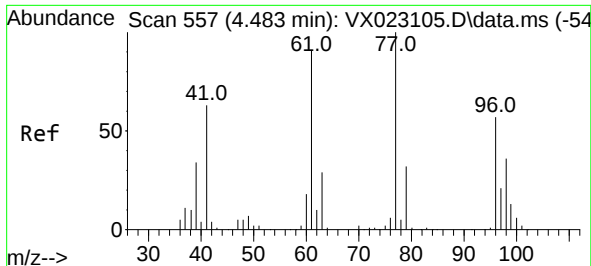
| Tgt Ion: | 84    | Resp: | 1741  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 118.2 | 88.6  | 132.8 |
| 51       | 40.7  | 27.0  | 40.6# |
| 86       | 57.6  | 50.3  | 75.5  |



#25  
2-Butanone  
Concen: 2.120 ug/l  
RT: 4.580 min Scan# 573  
Delta R.T. 0.012 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

| Tgt Ion: | 43    | Resp: | 3783  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 15.7  | 23.7  | 35.5# |





#26

2,2-Dichloropropane

Concen: 0.822 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.104 min

Lab File: VX023299.D

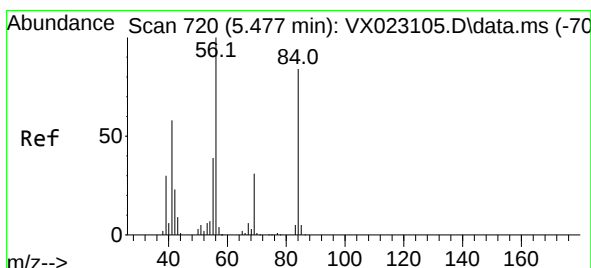
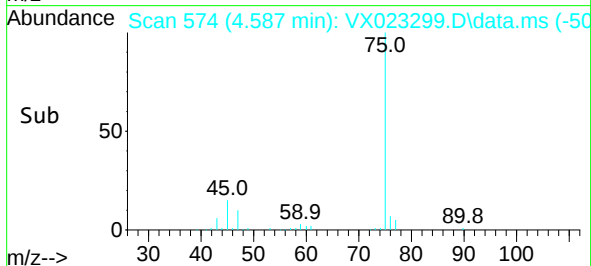
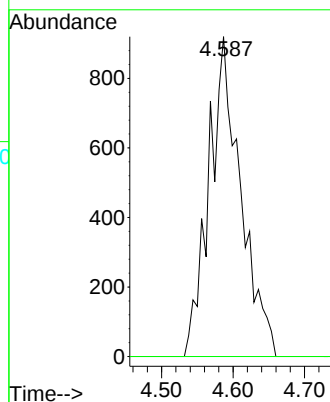
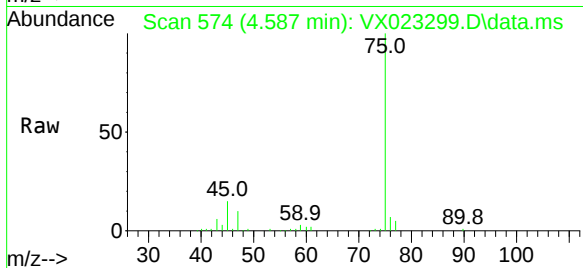
Acq: 15 Jul 2021 15:15

Tgt Ion: 77 Resp: 2834

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#



#31

Cyclohexane

Concen: 1.193 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX023299.D

Acq: 15 Jul 2021 15:15

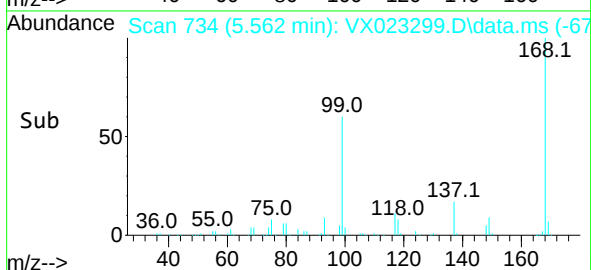
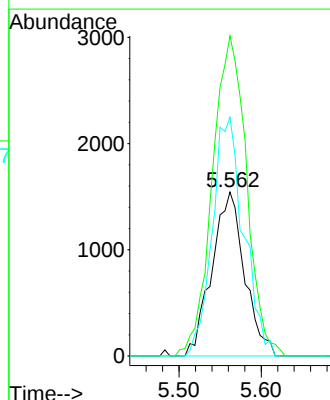
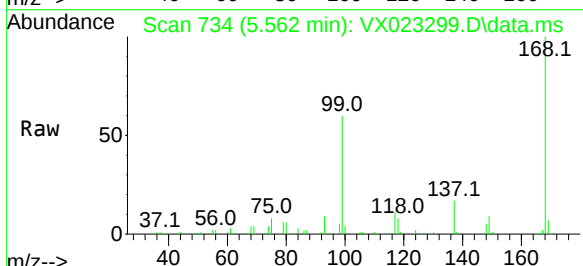
Tgt Ion: 56 Resp: 4272

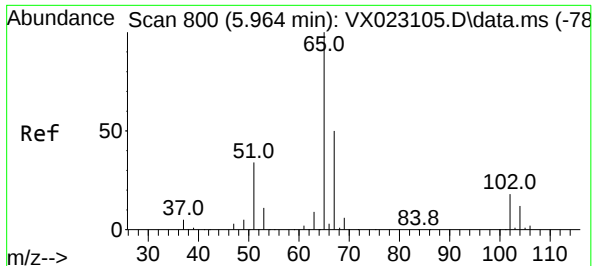
Ion Ratio Lower Upper

56 100

69 191.4 25.3 37.9#

84 145.7 71.4 107.0#

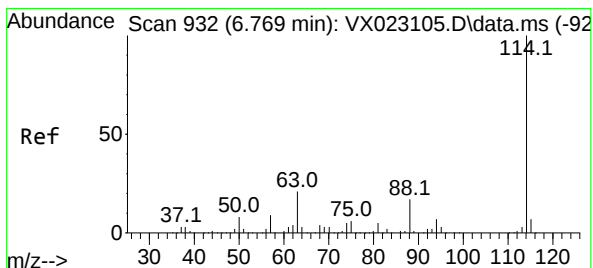
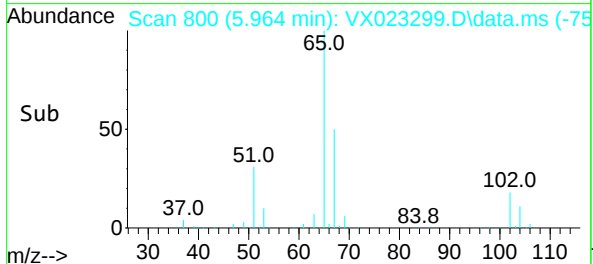
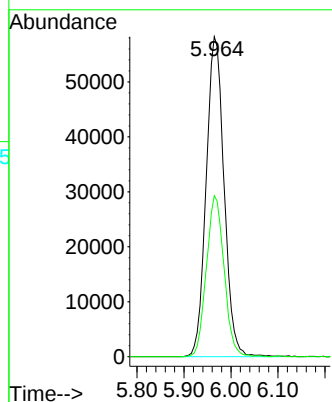
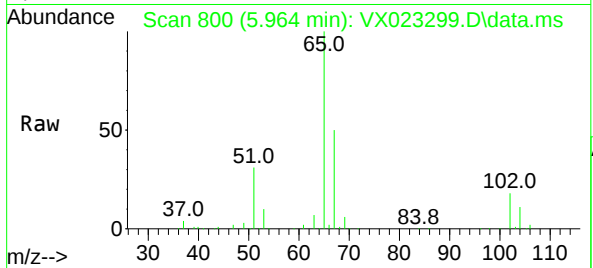




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.331 ug/l  
 RT: 5.964 min Scan# 800  
 Delta R.T. 0.000 min  
 Lab File: VX023299.D  
 Acq: 15 Jul 2021 15:15

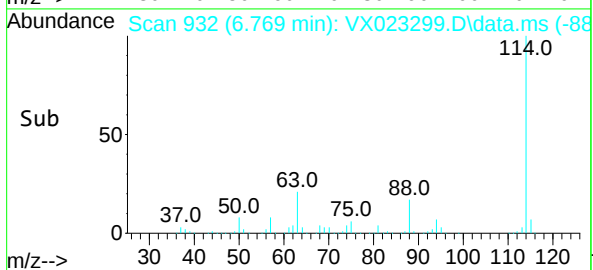
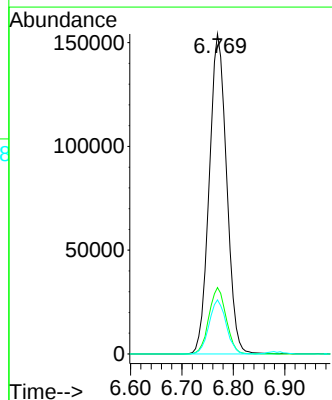
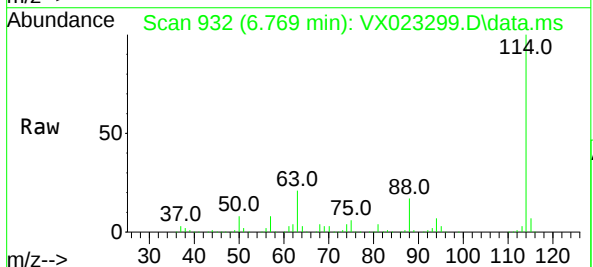
Instrument :  
 MSVOA\_X  
 ClientSampleId :

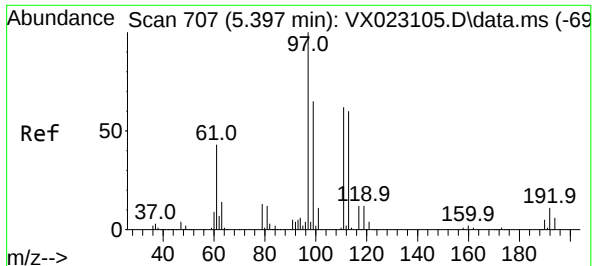
Tgt Ion: 65 Resp: 153527  
 Ion Ratio Lower Upper  
 65 100  
 67 49.7 0.0 105.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.769 min Scan# 932  
 Delta R.T. 0.000 min  
 Lab File: VX023299.D  
 Acq: 15 Jul 2021 15:15

Tgt Ion: 114 Resp: 361702  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 40.8  
 88 16.9 0.0 32.8

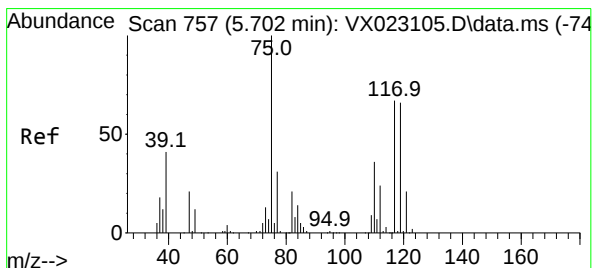
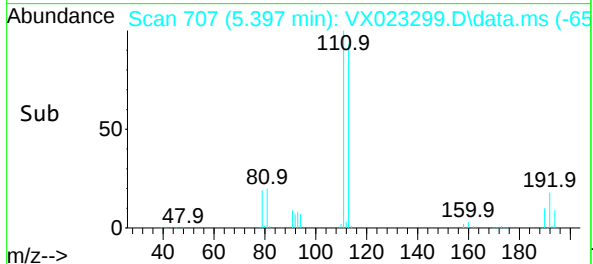
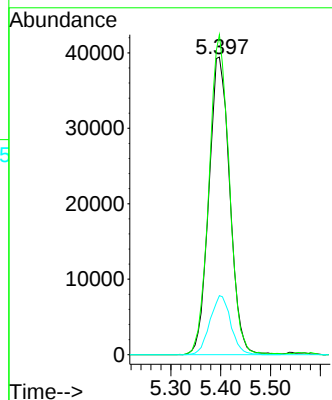
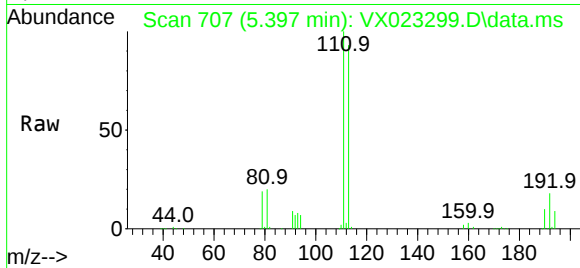




#35  
Dibromofluoromethane  
Concen: 49.187 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

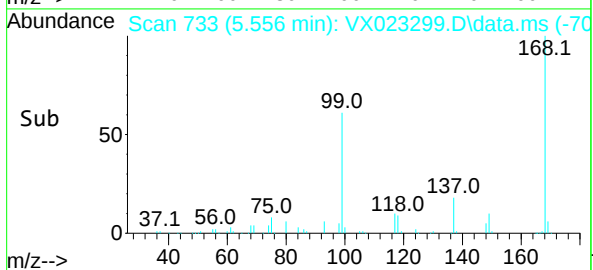
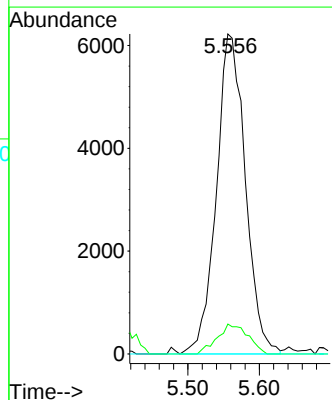
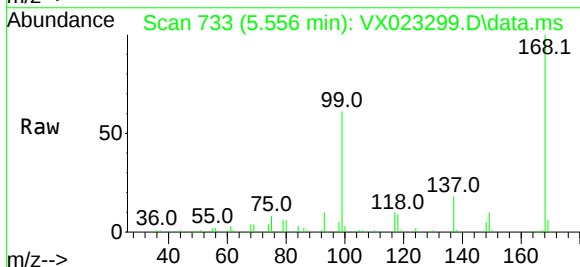
Instrument :  
MSVOA\_X  
ClientSampled :

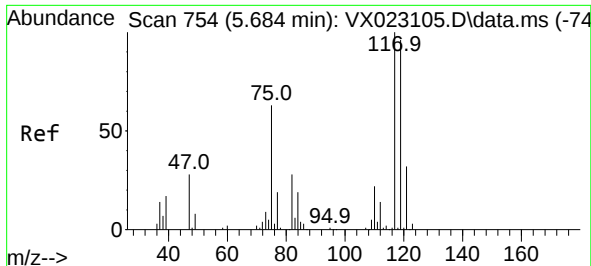
Tgt Ion:113 Resp: 114886  
Ion Ratio Lower Upper  
113 100  
111 103.9 81.9 122.9  
192 19.7 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 5.423 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.146 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

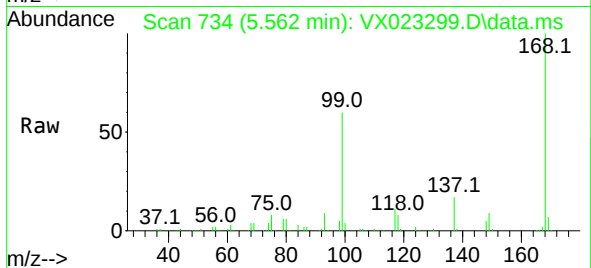
Tgt Ion: 75 Resp: 17486  
Ion Ratio Lower Upper  
75 100  
110 9.9 18.1 54.4#  
77 0.0 25.3 37.9#



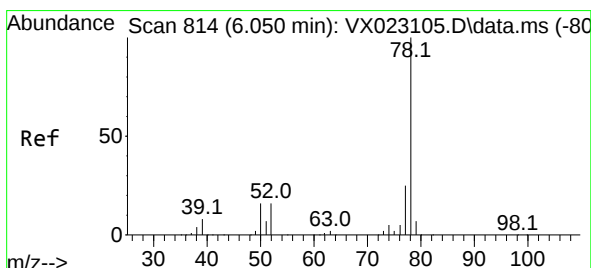
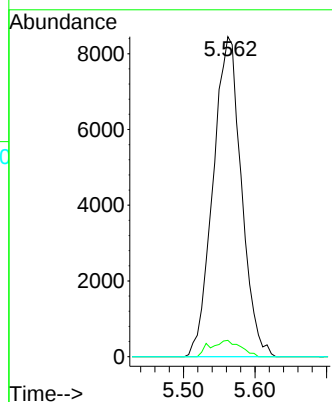
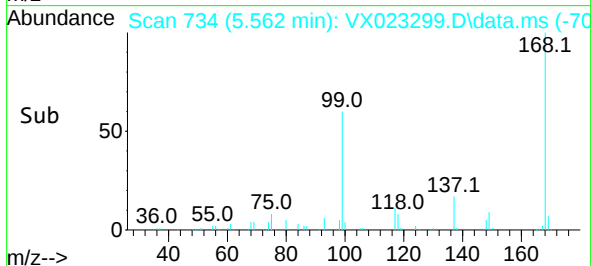


#38  
Carbon Tetrachloride  
Concen: 6.902 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.122 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

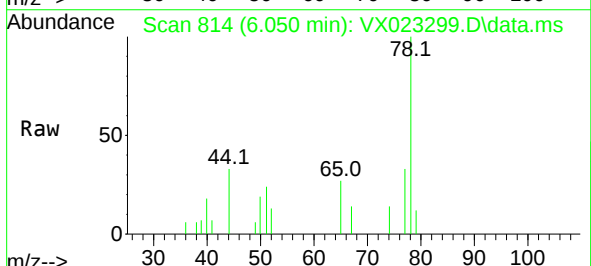
Instrument :  
MSVOA\_X  
ClientSampled :



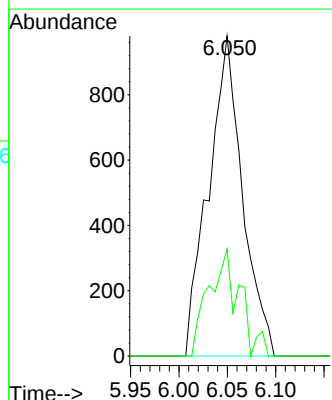
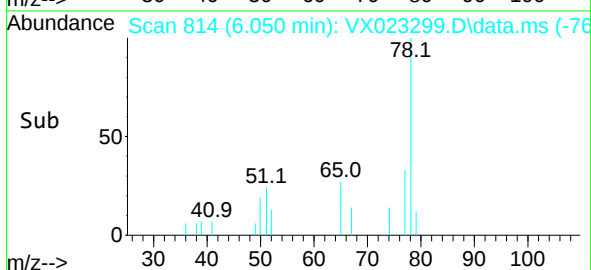
Tgt Ion:117 Resp: 23230  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.2 114.2#  
121 0.0 24.8 37.2#

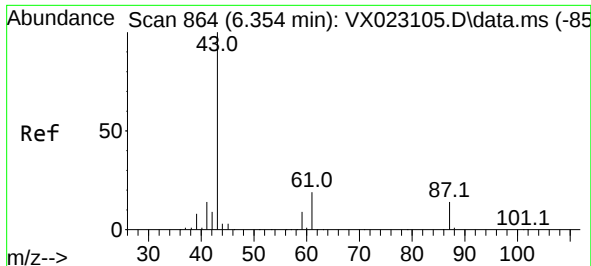


#40  
Benzene  
Concen: 0.255 ug/l  
RT: 6.050 min Scan# 814  
Delta R.T. -0.000 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15



Tgt Ion: 78 Resp: 2389  
Ion Ratio Lower Upper  
78 100  
77 33.5 18.9 28.3#

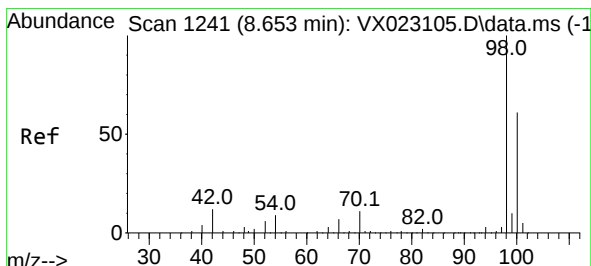
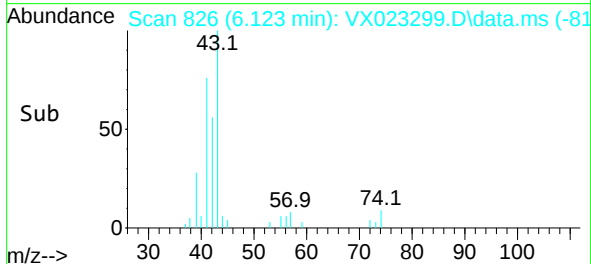
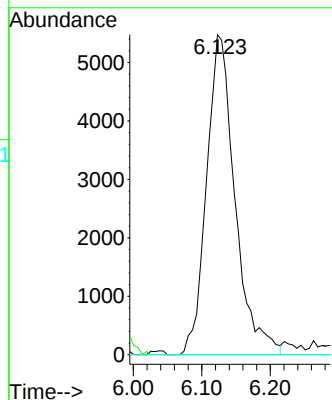
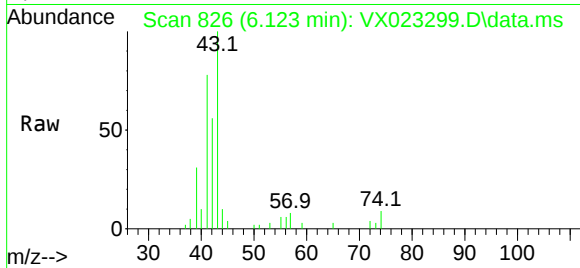




#43  
Isopropyl Acetate  
Concen: 2.699 ug/l  
RT: 6.123 min Scan# 826  
Delta R.T. -0.231 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

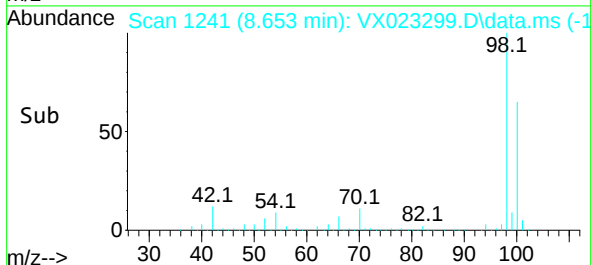
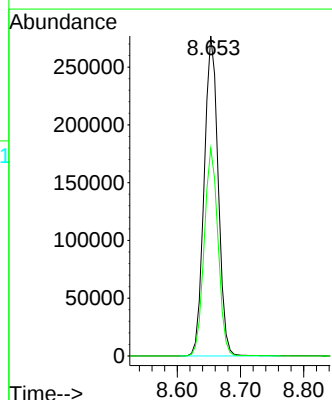
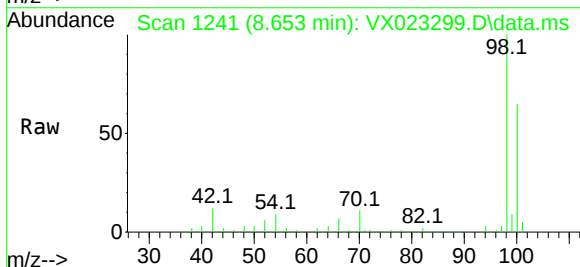
Instrument :  
MSVOA\_X  
ClientSampled :

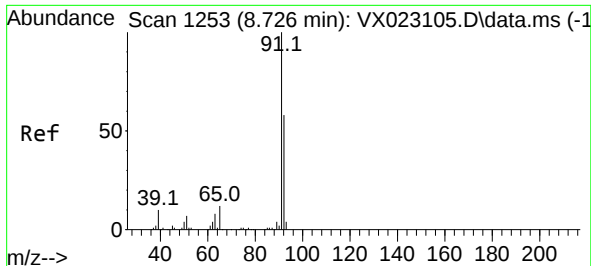
Tgt Ion: 43 Resp: 15789  
Ion Ratio Lower Upper  
43 100  
61 0.0 18.2 27.4#  
87 0.0 12.5 18.7#



#50  
Toluene-d8  
Concen: 48.934 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

Tgt Ion: 98 Resp: 426349  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.9 77.9

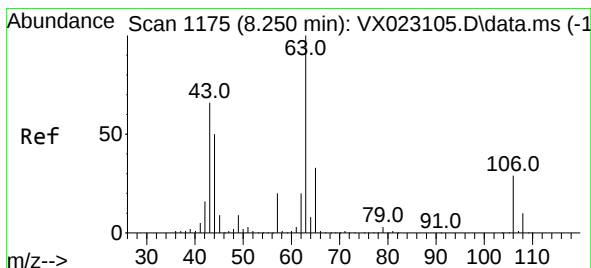
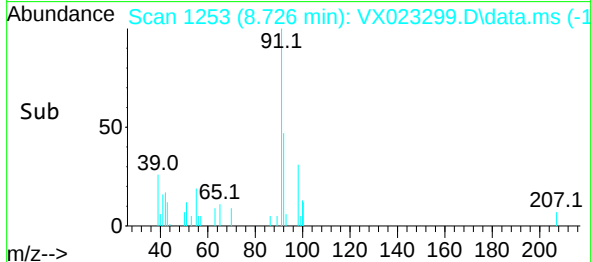
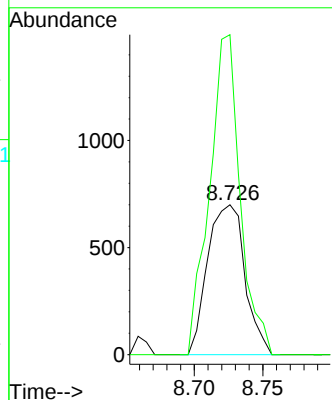
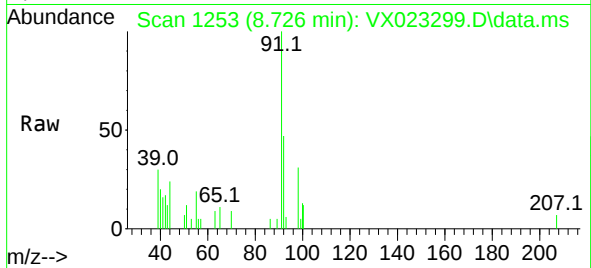




#52  
Toluene  
Concen: 0.218 ug/l  
RT: 8.726 min Scan# 1253  
Delta R.T. 0.000 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

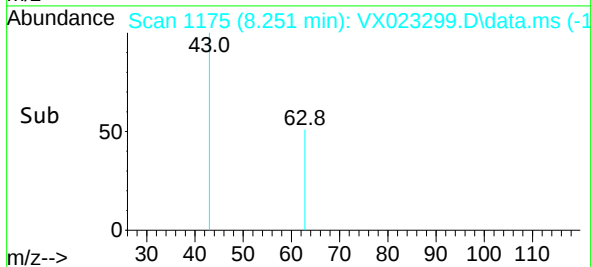
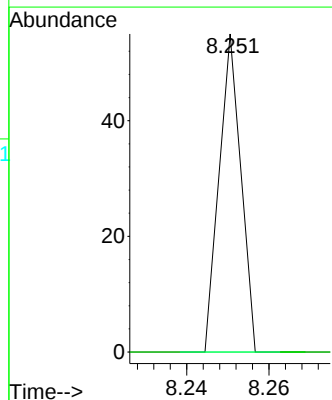
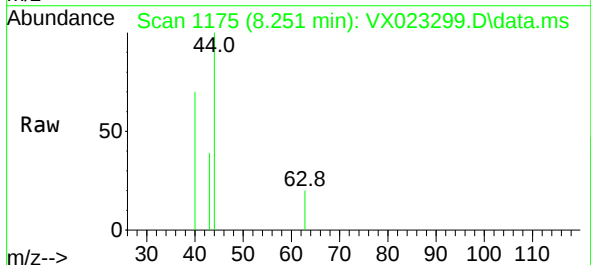
Instrument :  
MSVOA\_X  
ClientSampled :

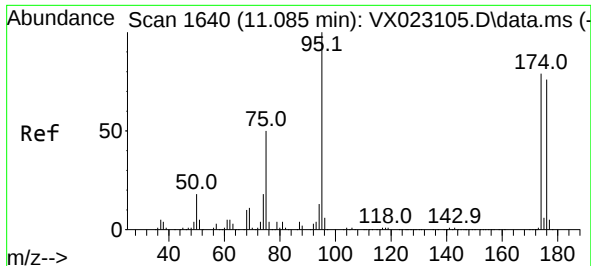
Tgt Ion: 92 Resp: 1323  
Ion Ratio Lower Upper  
92 100  
91 175.8 137.1 205.7



#58  
2-Chloroethyl Vinyl ether  
Concen: 4.699 ug/l  
RT: 8.251 min Scan# 1175  
Delta R.T. 0.001 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

Tgt Ion: 63 Resp: 20  
Ion Ratio Lower Upper  
63 100  
106 0.0 23.5 35.3#

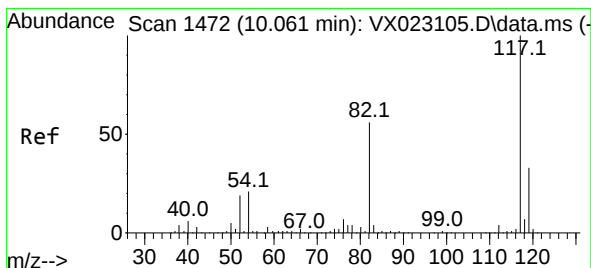
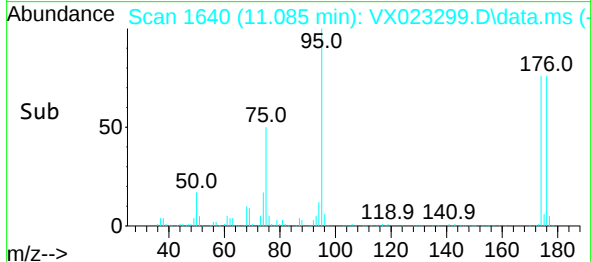
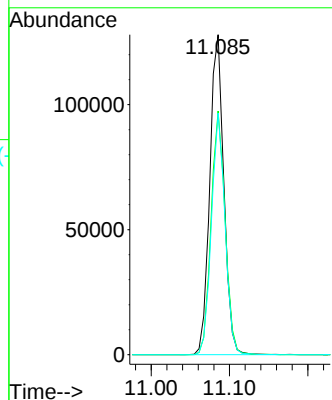
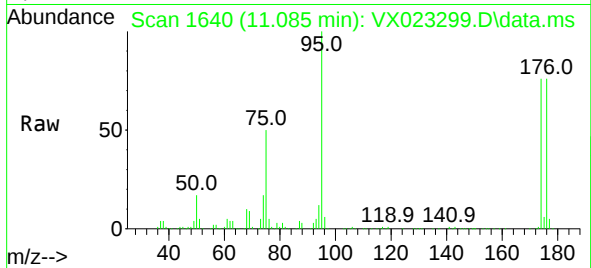




#62  
4-Bromofluorobenzene  
Concen: 47.257 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

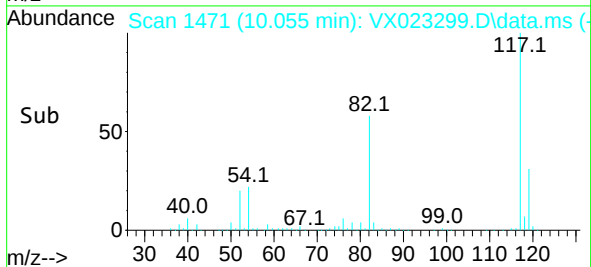
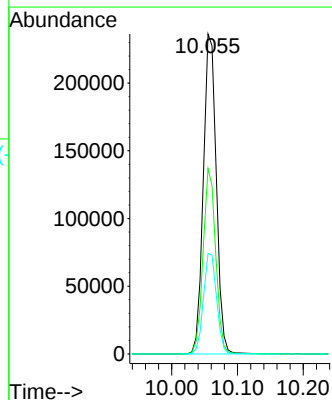
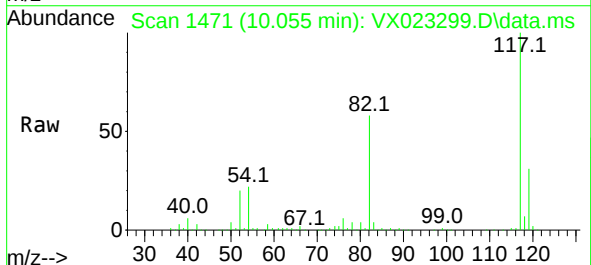
Instrument :  
MSVOA\_X  
ClientSampleId :

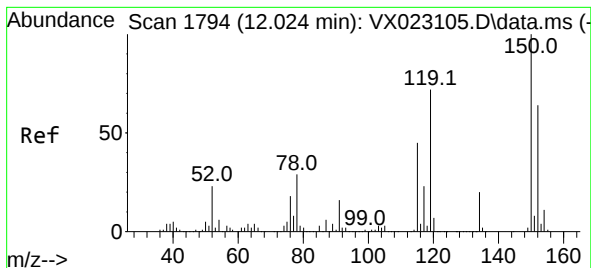
Tgt Ion: 95 Resp: 158956  
Ion Ratio Lower Upper  
95 100  
174 76.1 0.0 154.6  
176 72.9 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

Tgt Ion: 117 Resp: 324075  
Ion Ratio Lower Upper  
117 100  
82 58.0 47.4 71.2  
119 31.4 26.6 39.8

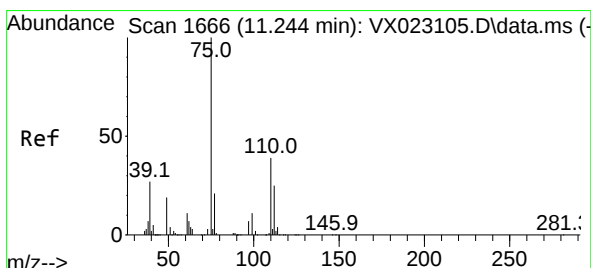
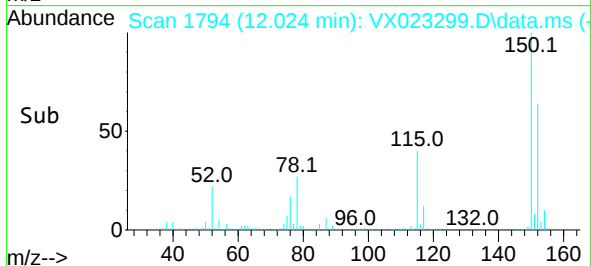
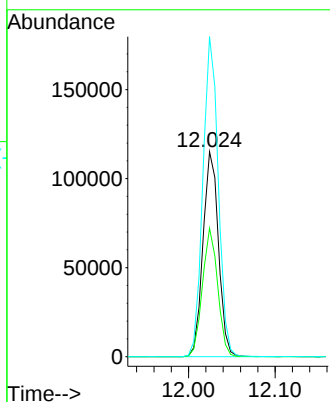
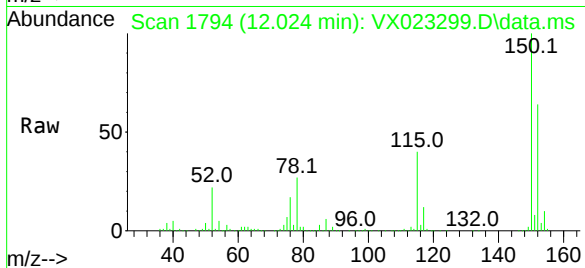




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX023299.D  
 Acq: 15 Jul 2021 15:15

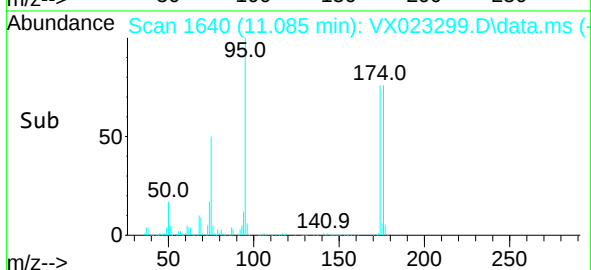
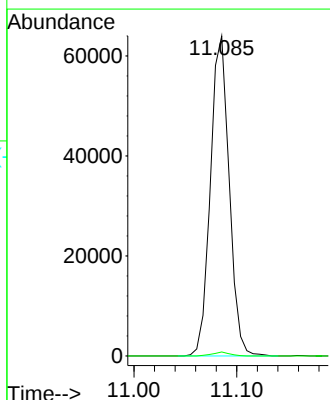
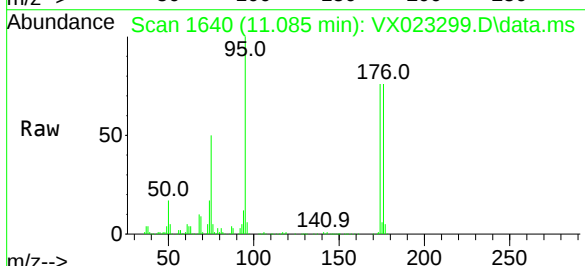
Instrument :  
 MSVOA\_X  
 ClientSampled :

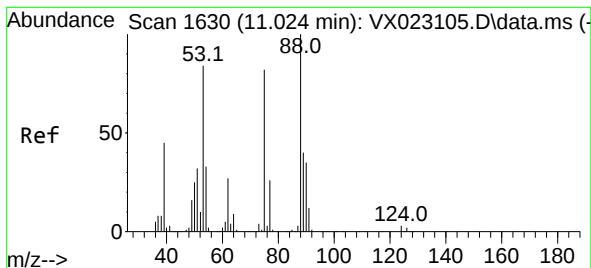
Tgt Ion:152 Resp: 142620  
 Ion Ratio Lower Upper  
 152 100  
 115 61.6 41.1 123.3  
 150 155.0 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 28.259 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX023299.D  
 Acq: 15 Jul 2021 15:15

Tgt Ion: 75 Resp: 81104  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 19.1 57.5#

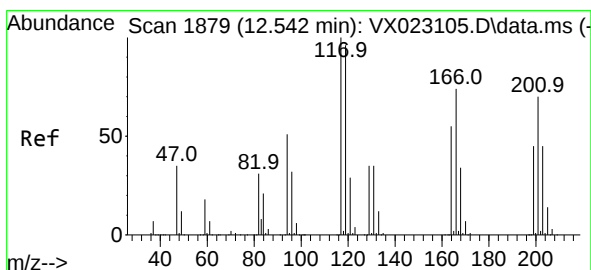
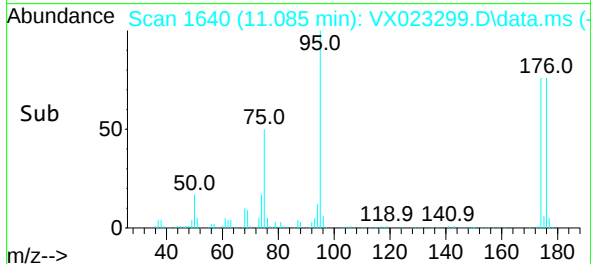
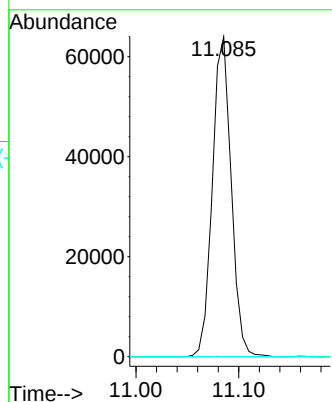
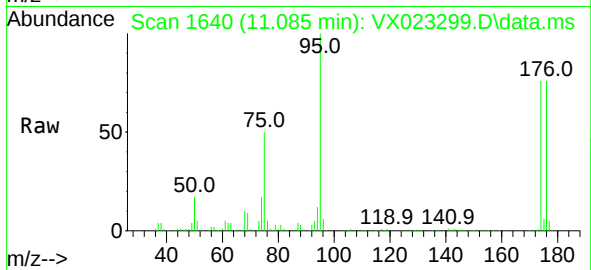




#81  
trans-1,4-Dichloro-2-butene  
Concen: 76.153 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

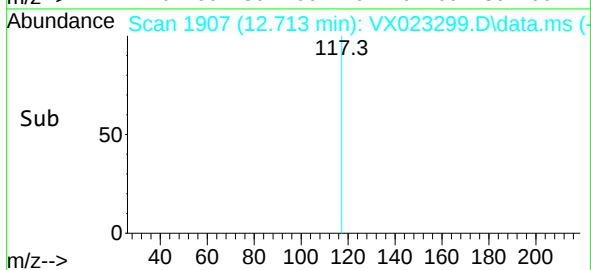
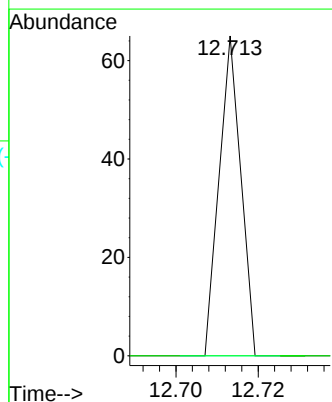
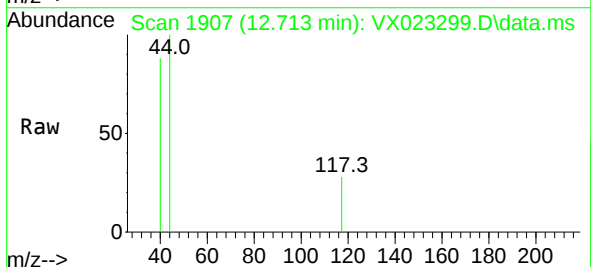
Instrument :  
MSVOA\_X  
ClientSampled :

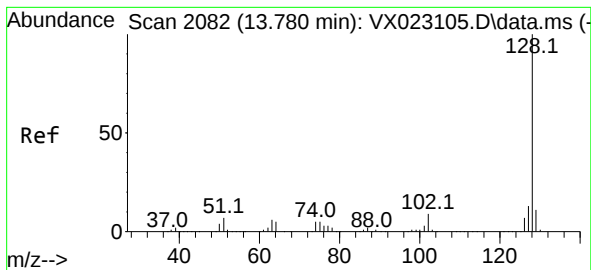
Tgt Ion: 75 Resp: 81104  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#90  
Hexachloroethane  
Concen: 3.010 ug/l  
RT: 12.713 min Scan# 1907  
Delta R.T. 0.171 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

Tgt Ion: 117 Resp: 24  
Ion Ratio Lower Upper  
117 100  
201 0.0 40.4 121.2#





#95  
Naphthalene  
Concen: 1.518 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX023299.D  
Acq: 15 Jul 2021 15:15

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:128 Resp: 2651  
Ion Ratio Lower Upper  
128 100  
127 15.0 10.3 15.5  
129 11.1 8.8 13.2

