

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070721\  
 Data File : VX023178.D  
 Acq On : 07 Jul 2021 17:26  
 Operator : JC/MD  
 Sample : M2953-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 08 03:22:06 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

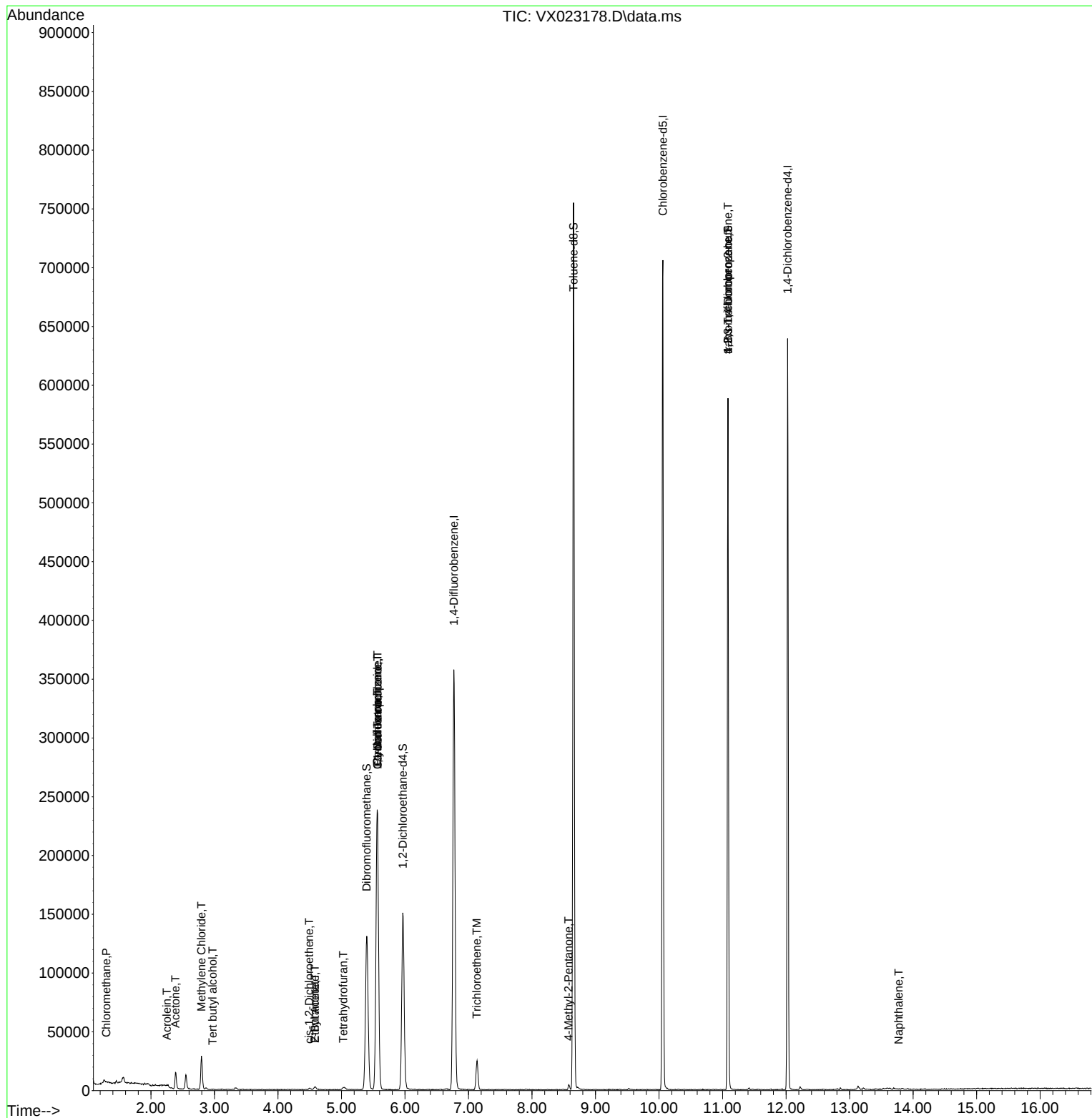
| Compound                      | R.T.   | QIon           | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|-----------|----------|----------|
| -----                         |        |                |          |           |          |          |
| Internal Standards            |        |                |          |           |          |          |
| 1) Pentafluorobenzene         | 5.562  | 168            | 218861   | 50.000    | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114            | 362721   | 50.000    | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 10.061 | 117            | 318639   | 50.000    | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152            | 127469   | 50.000    | ug/l     | 0.00     |
| System Monitoring Compounds   |        |                |          |           |          |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65             | 153065   | 52.037    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | =         | 104.080% |          |
| 35) Dibromofluoromethane      | 5.397  | 113            | 113521   | 48.466    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | =         | 96.940%  |          |
| 50) Toluene-d8                | 8.653  | 98             | 427334   | 48.909    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | =         | 97.820%  |          |
| 62) 4-Bromofluorobenzene      | 11.085 | 95             | 148323   | 43.972    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | =         | 87.940%  |          |
| Target Compounds              |        |                |          |           |          |          |
|                               |        |                |          |           | Qvalue   |          |
| 3) Chloromethane              | 1.294  | 50             | 468      | 0.239     | ug/l #   | 86       |
| 5) Bromomethane               | 1.605  | 94             | 55       | Below Cal | #        | 58       |
| 11) Tert butyl alcohol        | 2.971  | 59             | 271      | 0.438     | ug/l #   | 93       |
| 13) Acrolein                  | 2.251  | 56             | 162      | 0.393     | ug/l #   | 14       |
| 16) Acetone                   | 2.386  | 43             | 14648    | 12.587    | ug/l     | 93       |
| 20) Methylene Chloride        | 2.794  | 84             | 12211    | 4.874     | ug/l     | 89       |
| 25) 2-Butanone                | 4.580  | 43             | 4089     | 2.330     | ug/l     | 100      |
| 27) cis-1,2-Dichloroethene    | 4.489  | 96             | 801      | 0.314     | ug/l     | 91       |
| 29) Tetrahydrofuran           | 5.025  | 42             | 2101     | 1.862     | ug/l #   | 84       |
| 31) Cyclohexane               | 5.562  | 56             | 4882     | 1.386     | ug/l #   | 6        |
| 36) 1,1-Dichloropropene       | 5.568  | 75             | 17342    | 5.363     | ug/l #   | 49       |
| 37) Ethyl Acetate             | 4.580  | 43             | 4089     | 1.159     | ug/l #   | 64       |
| 38) Carbon Tetrachloride      | 5.568  | 117            | 23132    | 6.853     | ug/l #   | 15       |
| 44) Trichloroethene           | 7.129  | 130            | 9626     | 3.614     | ug/l     | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43             | 2638     | 0.726     | ug/l     | 89       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75             | 79121    | 30.845    | ug/l #   | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75             | 79121    | 82.685    | ug/l #   | 12       |
| 95) Naphthalene               | 13.774 | 128            | 194      | 1.295     | ug/l #   | 64       |
| -----                         |        |                |          |           |          |          |

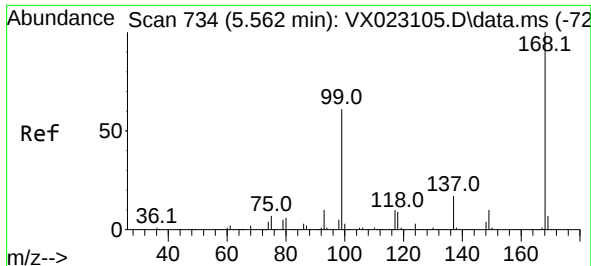
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070721\  
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Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jul 08 03:22:06 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

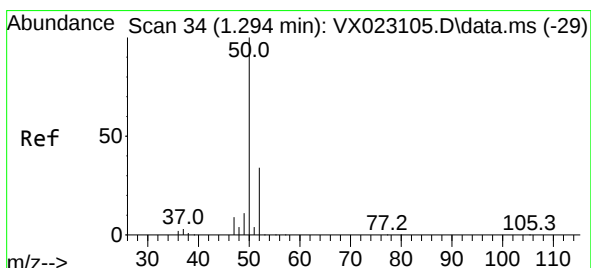
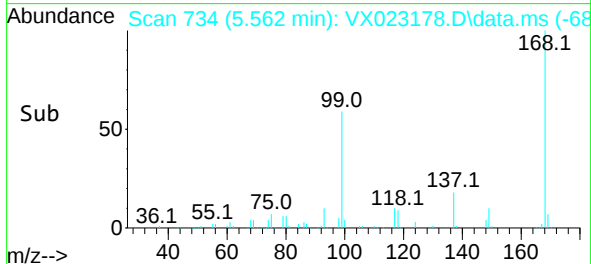
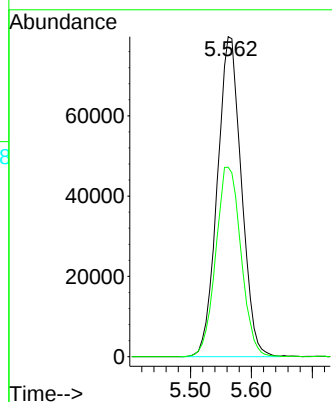
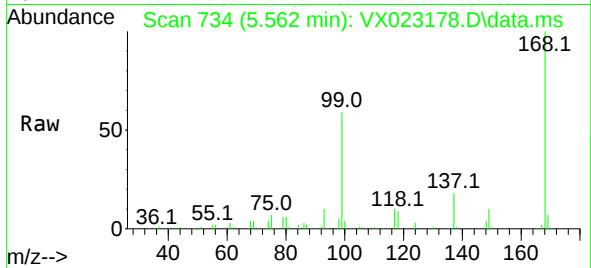




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

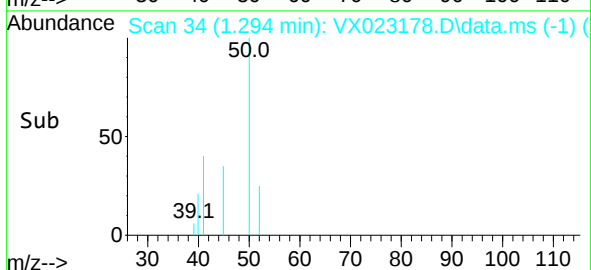
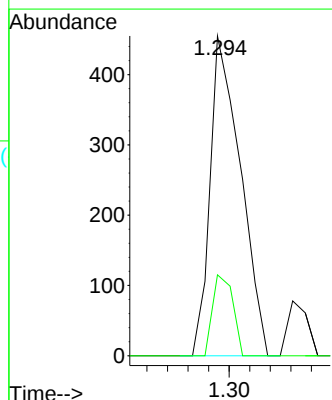
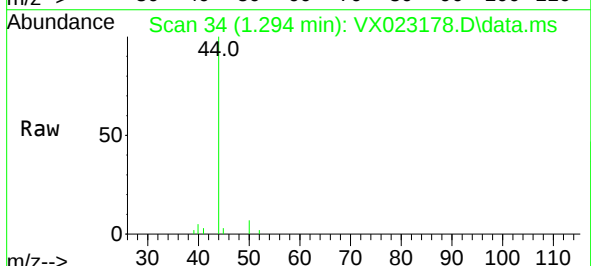
Instrument :  
MSVOA\_X  
ClientSampled :

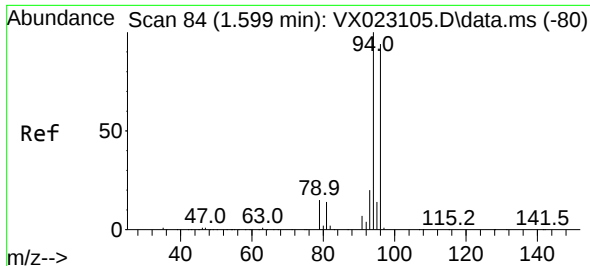
Tgt Ion:168 Resp: 218861  
Ion Ratio Lower Upper  
168 100  
99 59.2 45.8 68.6



#3  
Chloromethane  
Concen: 0.239 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

Tgt Ion: 50 Resp: 468  
Ion Ratio Lower Upper  
50 100  
52 25.3 26.4 39.6#

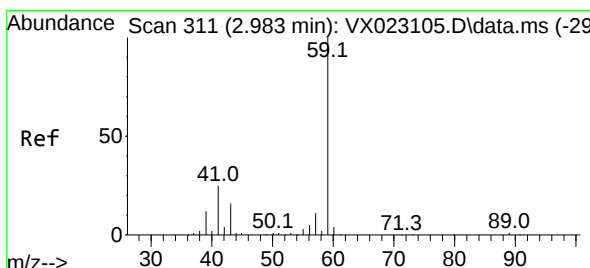
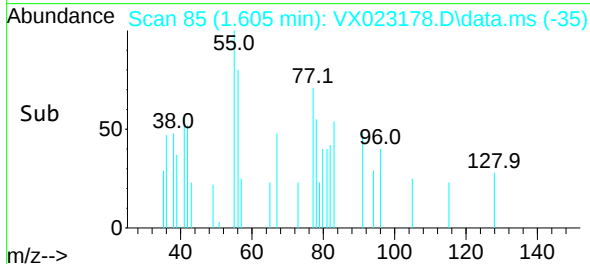
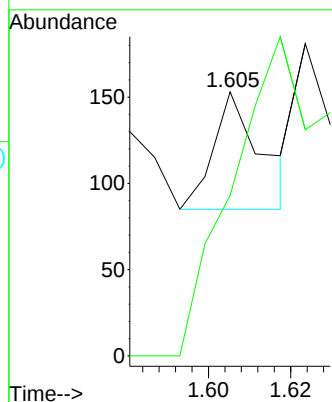
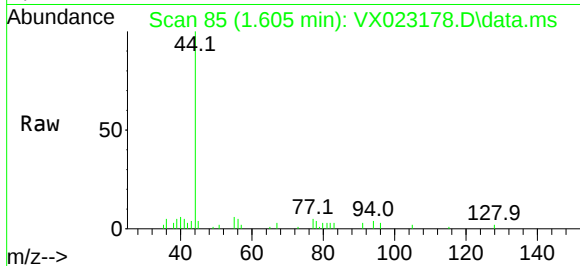




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.605 min Scan# 85  
Delta R.T. 0.006 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

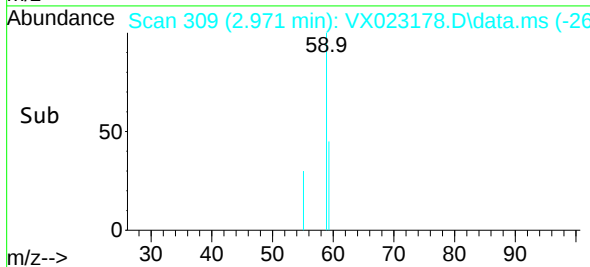
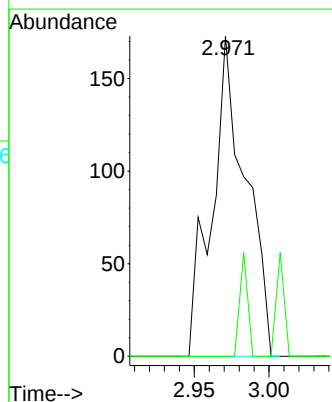
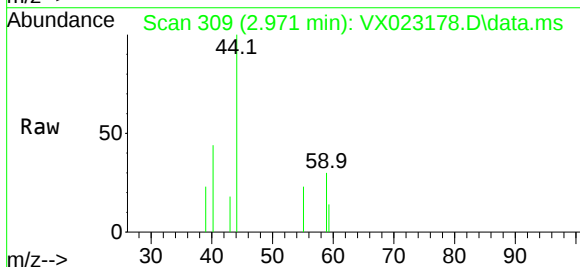
Instrument :  
MSVOA\_X  
ClientSampleId :

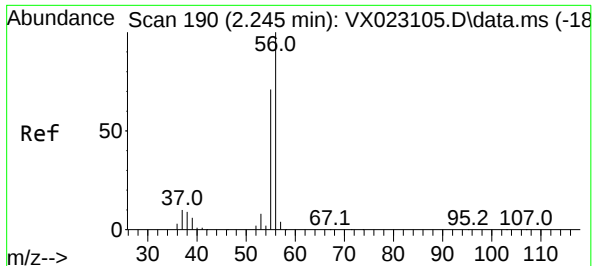
Tgt Ion: 94 Resp: 55  
Ion Ratio Lower Upper  
94 100  
96 136.8 76.4 114.6#



#11  
Tert butyl alcohol  
Concen: 0.438 ug/l  
RT: 2.971 min Scan# 309  
Delta R.T. -0.012 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

Tgt Ion: 59 Resp: 271  
Ion Ratio Lower Upper  
59 100  
57 7.4 7.8 11.8#

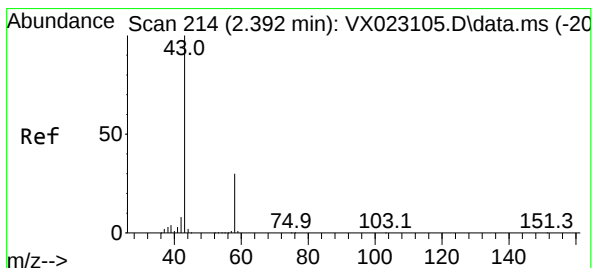
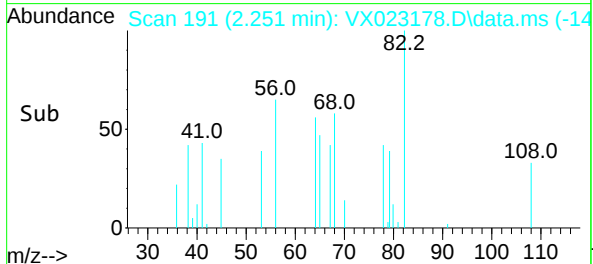
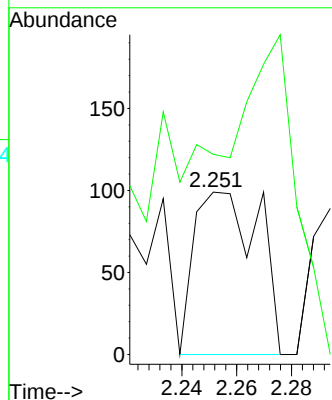
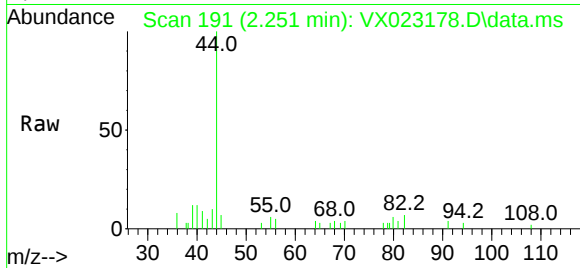




#13  
Acrolein  
Concen: 0.393 ug/l  
RT: 2.251 min Scan# 191  
Delta R.T. 0.006 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

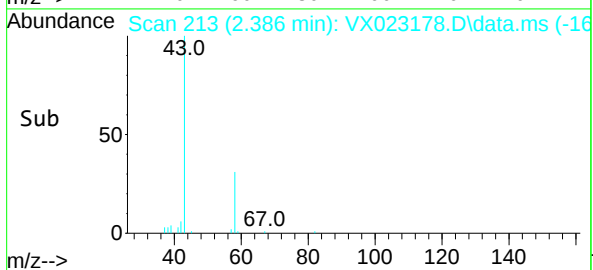
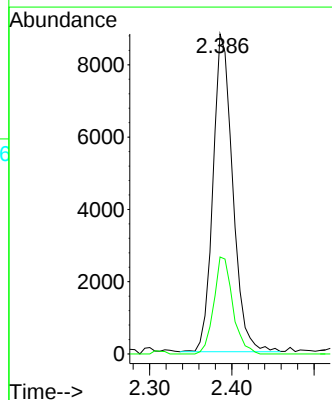
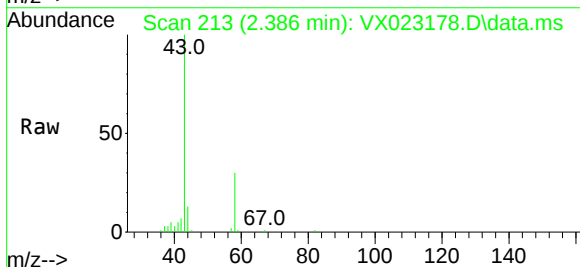
Instrument :  
MSVOA\_X  
ClientSampled :

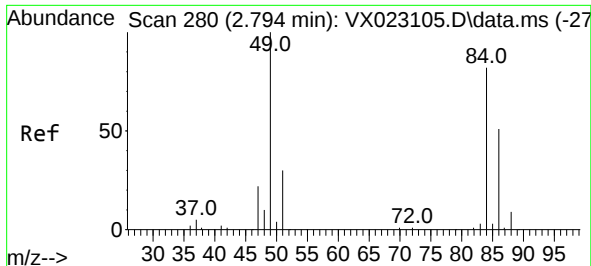
Tgt Ion: 56 Resp: 162  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#



#16  
Acetone  
Concen: 12.587 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

Tgt Ion: 43 Resp: 14648  
Ion Ratio Lower Upper  
43 100  
58 30.5 27.8 41.8





#20

Methylene Chloride

Concen: 4.874 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023178.D

Acq: 07 Jul 2021 17:26

Tgt Ion: 84 Resp: 12211

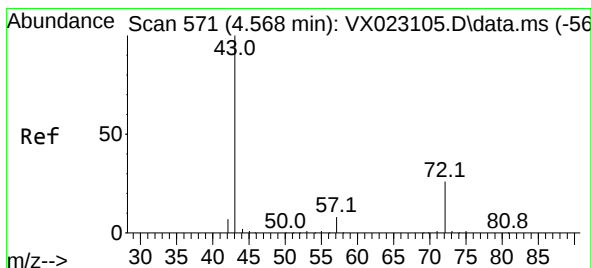
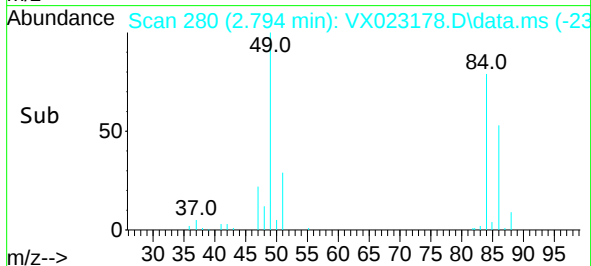
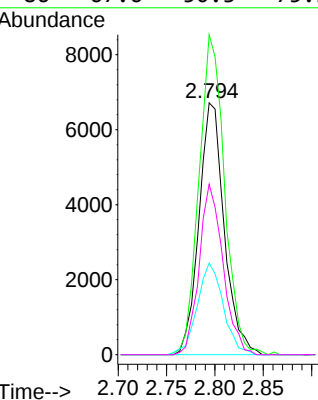
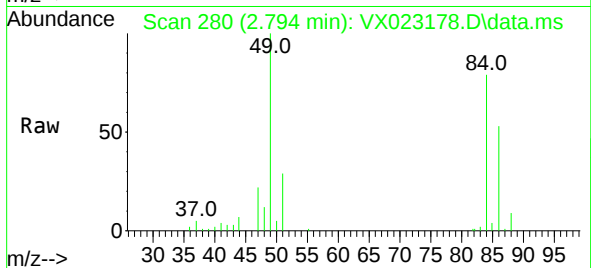
Ion Ratio Lower Upper

84 100

49 127.0 88.6 132.8

51 36.3 27.0 40.6

86 67.6 50.3 75.5



#25

2-Butanone

Concen: 2.330 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX023178.D

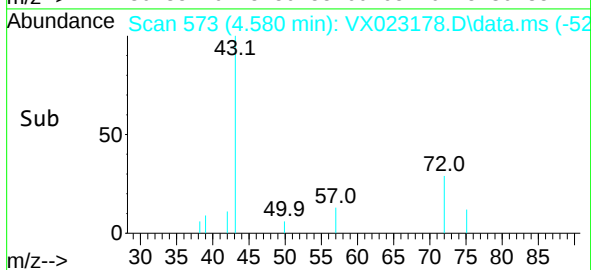
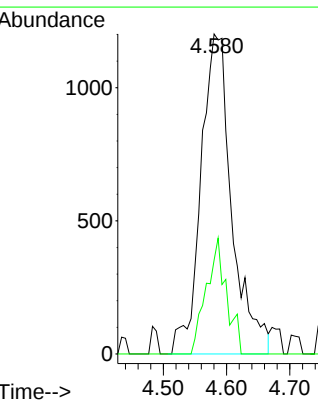
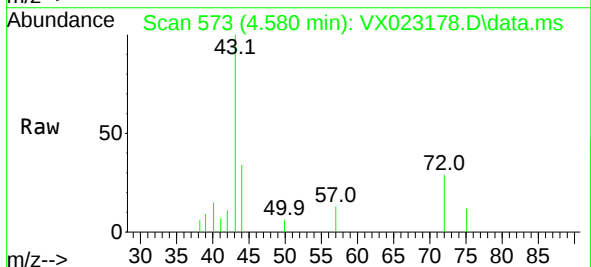
Acq: 07 Jul 2021 17:26

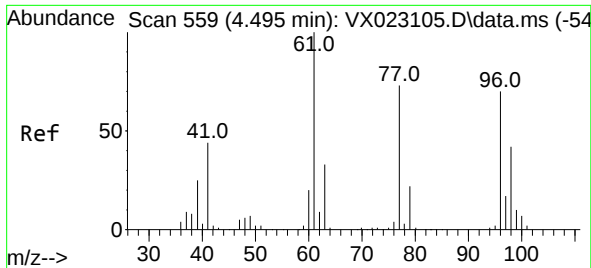
Tgt Ion: 43 Resp: 4089

Ion Ratio Lower Upper

43 100

72 29.4 23.7 35.5





#27

cis-1,2-Dichloroethene

Concen: 0.314 ug/l

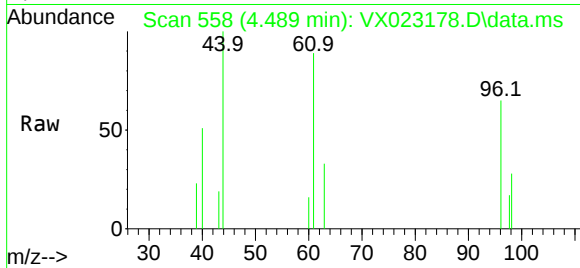
RT: 4.489 min Scan# 558

Delta R.T. -0.006 min

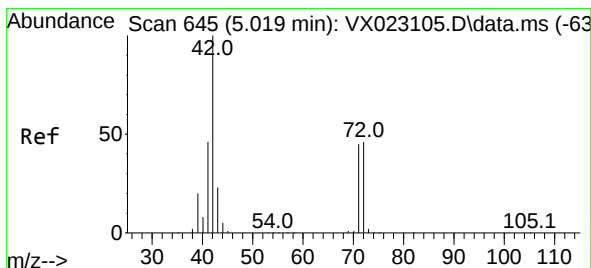
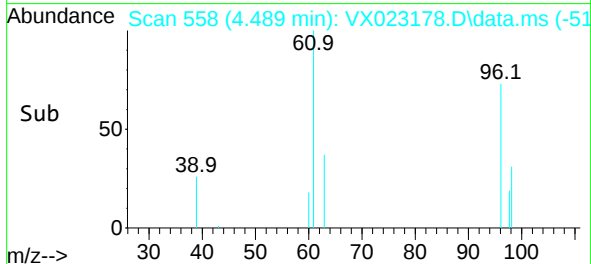
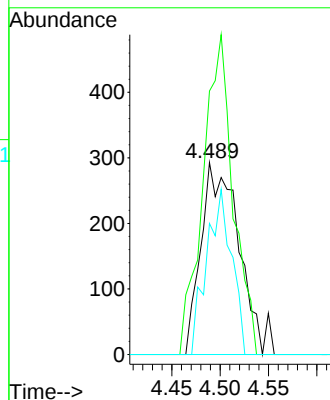
Lab File: VX023178.D

Acq: 07 Jul 2021 17:26

Instrument :  
MSVOA\_X  
ClientSampled :



|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 801   |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 132.2    | 0.0 285.6   |
| 98 56.4     | 0.0 129.6   |



#29

Tetrahydrofuran

Concen: 1.862 ug/l

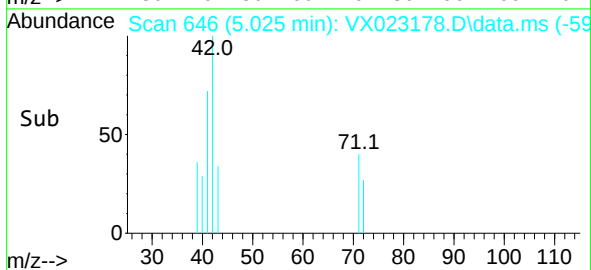
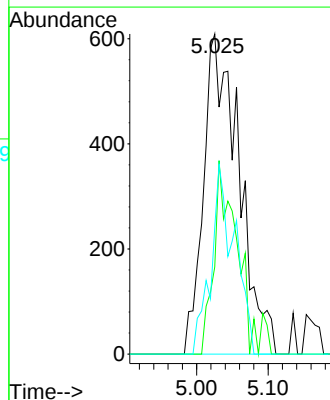
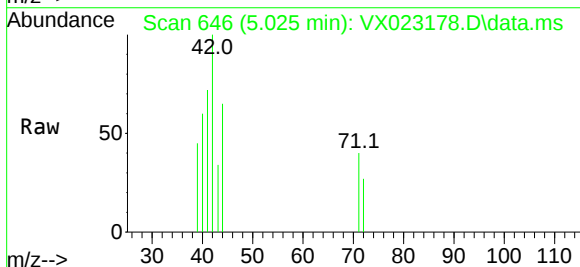
RT: 5.025 min Scan# 646

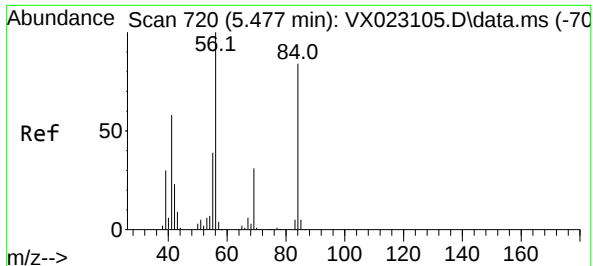
Delta R.T. 0.006 min

Lab File: VX023178.D

Acq: 07 Jul 2021 17:26

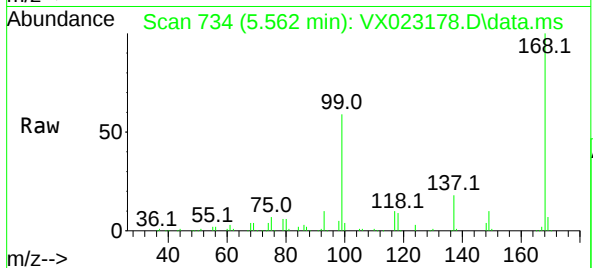
|             |             |
|-------------|-------------|
| Tgt Ion: 42 | Resp: 2101  |
| Ion Ratio   | Lower Upper |
| 42 100      |             |
| 72 38.2     | 41.7 62.5#  |
| 71 39.8     | 38.4 57.6   |



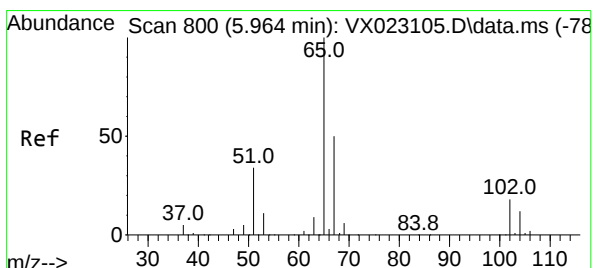
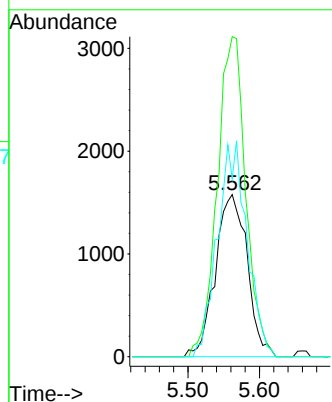
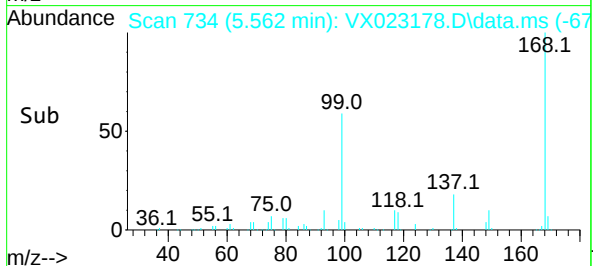


#31  
Cyclohexane  
Concen: 1.386 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.085 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

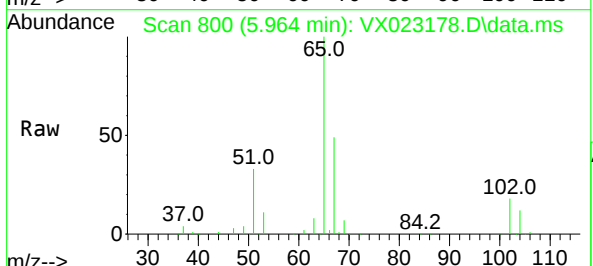
Instrument :  
MSVOA\_X  
ClientSampled :



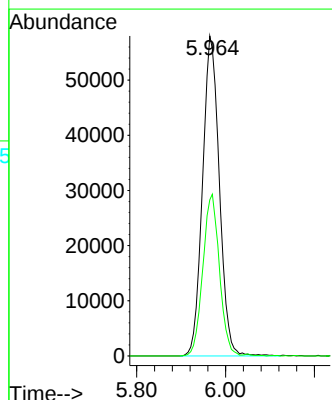
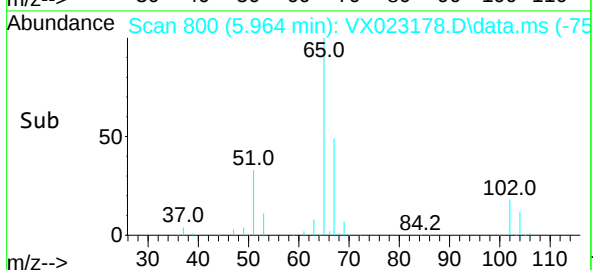
Tgt Ion: 56 Resp: 4882  
Ion Ratio Lower Upper  
56 100  
69 197.5 25.3 37.9#  
84 109.8 71.4 107.0#

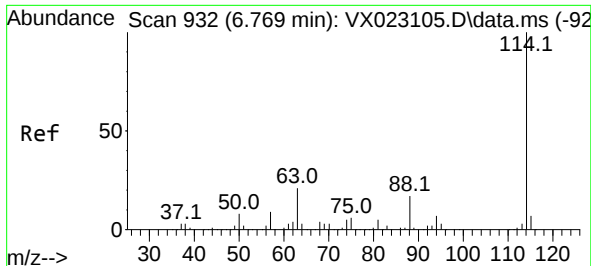


#33  
1,2-Dichloroethane-d4  
Concen: 52.037 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26



Tgt Ion: 65 Resp: 153065  
Ion Ratio Lower Upper  
65 100  
67 49.7 0.0 105.4

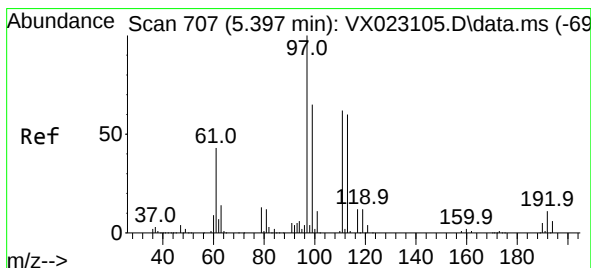
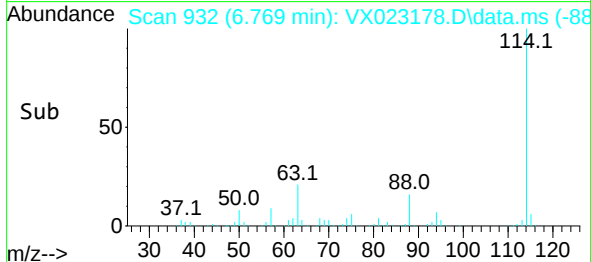
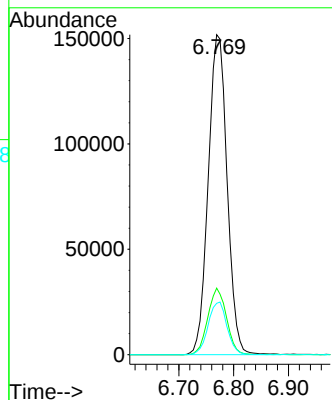
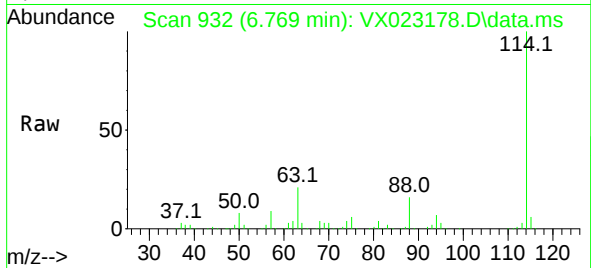




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

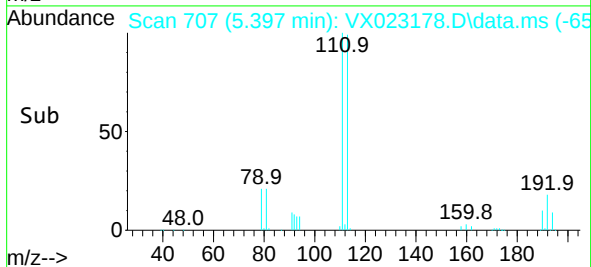
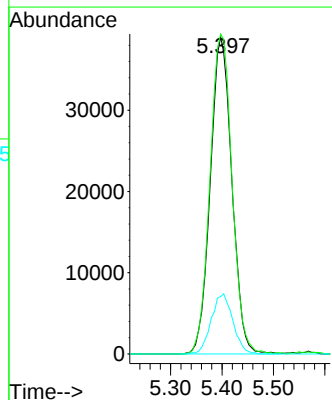
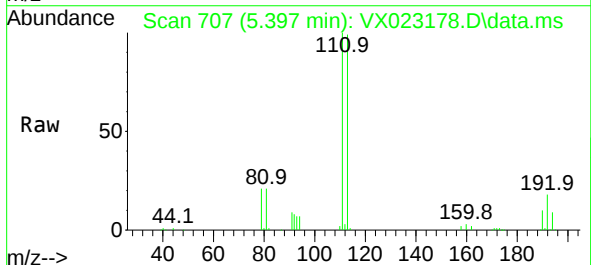
Instrument :  
MSVOA\_X  
ClientSampled :

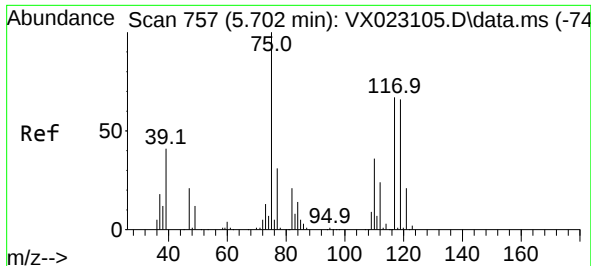
Tgt Ion:114 Resp: 362721  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 40.8  
88 16.0 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 48.466 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

Tgt Ion:113 Resp: 113521  
Ion Ratio Lower Upper  
113 100  
111 103.5 81.9 122.9  
192 19.0 16.7 25.1

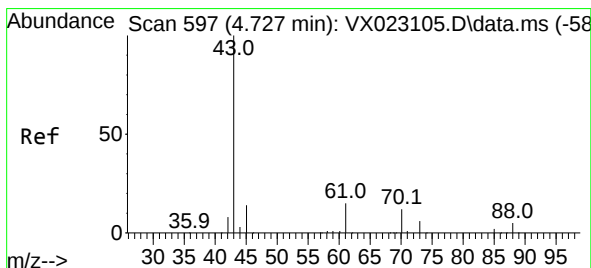
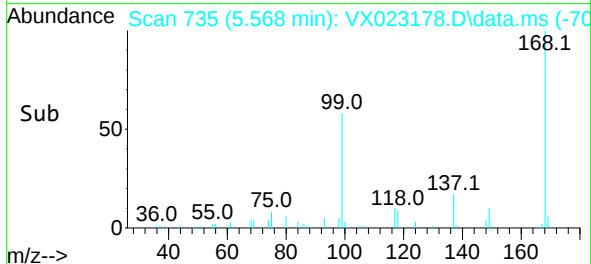
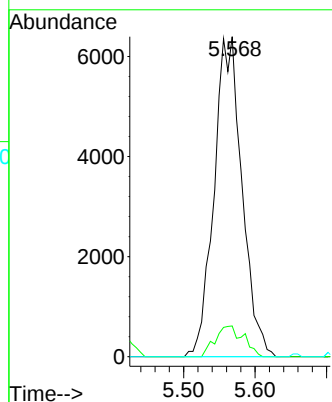
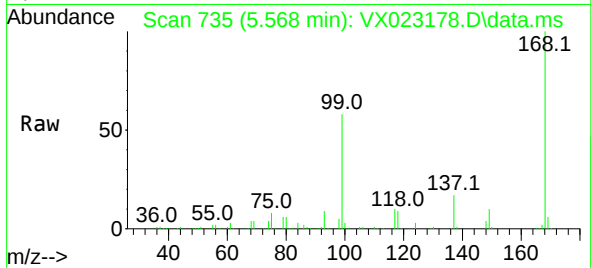




#36  
1,1-Dichloropropene  
Concen: 5.363 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. -0.134 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

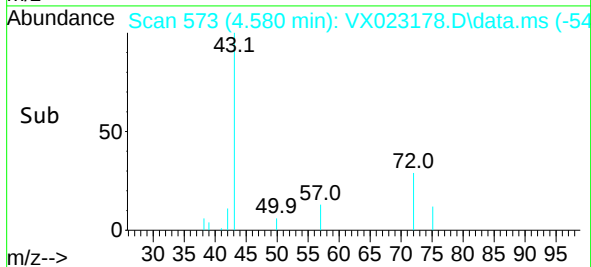
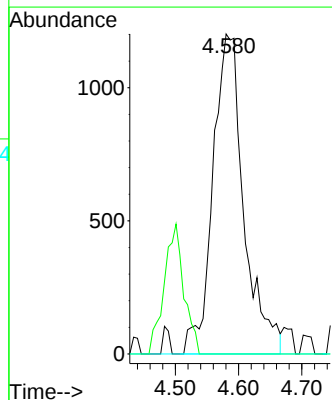
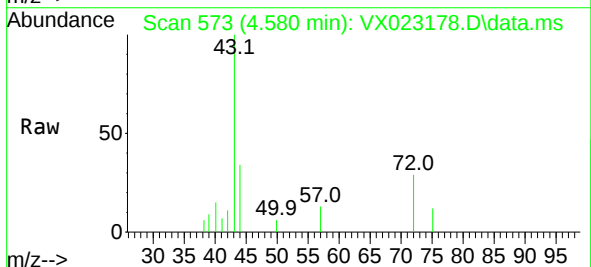
Instrument :  
MSVOA\_X  
ClientSampled :

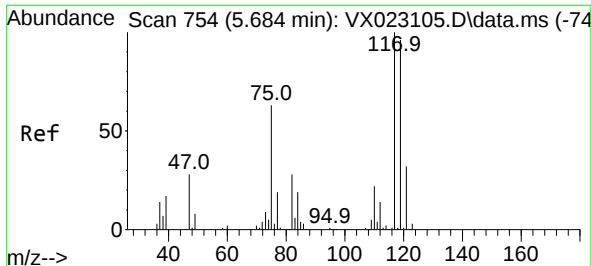
Tgt Ion: 75 Resp: 17342  
Ion Ratio Lower Upper  
75 100  
110 9.7 18.1 54.4#  
77 0.0 25.3 37.9#



#37  
Ethyl Acetate  
Concen: 1.159 ug/l  
RT: 4.580 min Scan# 573  
Delta R.T. -0.147 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

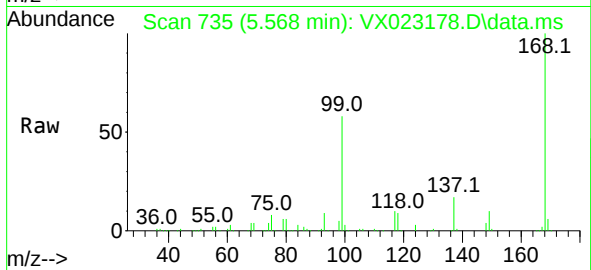
Tgt Ion: 43 Resp: 4089  
Ion Ratio Lower Upper  
43 100  
61 0.0 12.8 19.2#  
70 0.0 10.5 15.7#



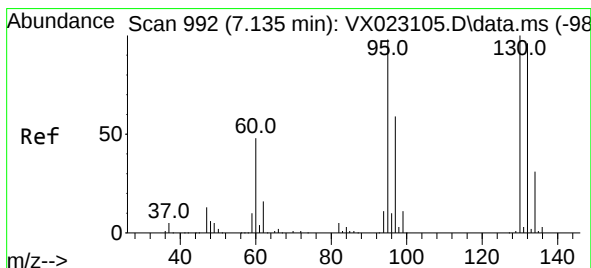
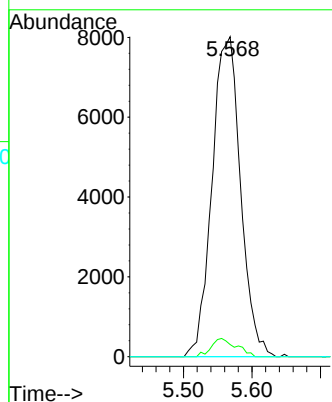
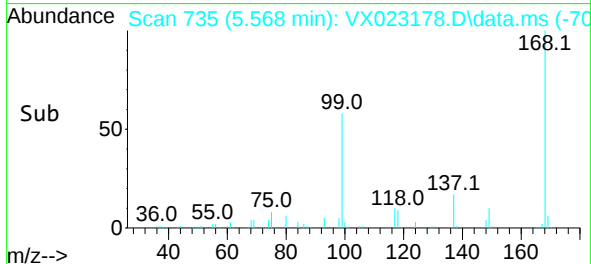


#38  
Carbon Tetrachloride  
Concen: 6.853 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. -0.116 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

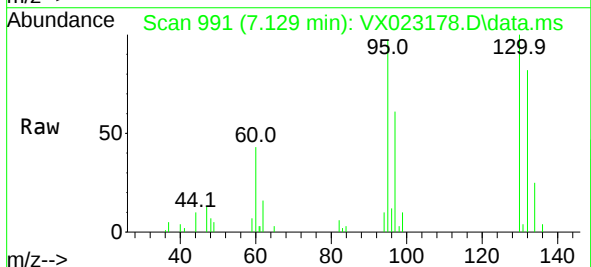
Instrument :  
MSVOA\_X  
ClientSampled :



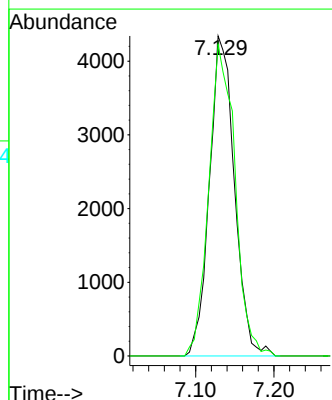
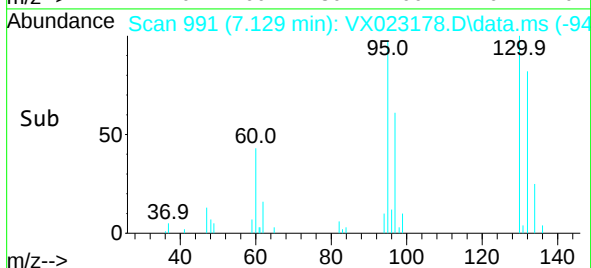
Tgt Ion:117 Resp: 23132  
Ion Ratio Lower Upper  
117 100  
119 3.8 76.2 114.2#  
121 0.0 24.8 37.2#

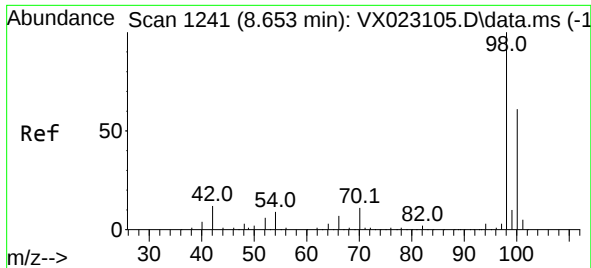


#44  
Trichloroethene  
Concen: 3.614 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.006 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26



Tgt Ion:130 Resp: 9626  
Ion Ratio Lower Upper  
130 100  
95 97.4 0.0 198.0

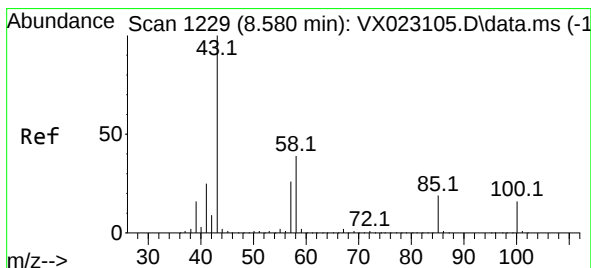
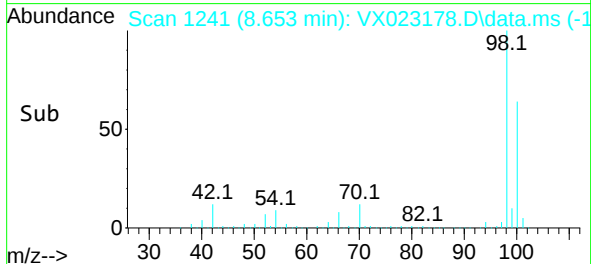
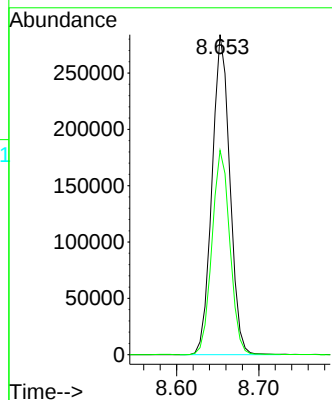
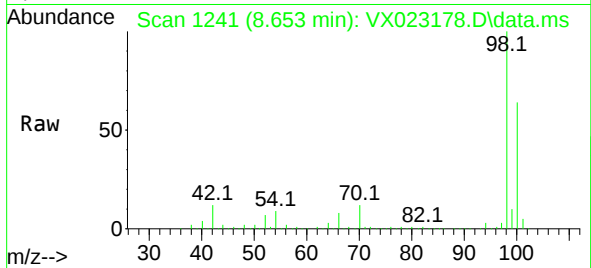




#50  
Toluene-d8  
Concen: 48.909 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

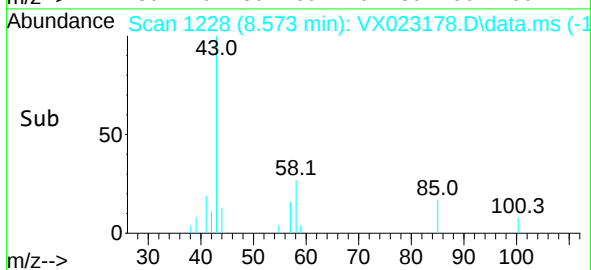
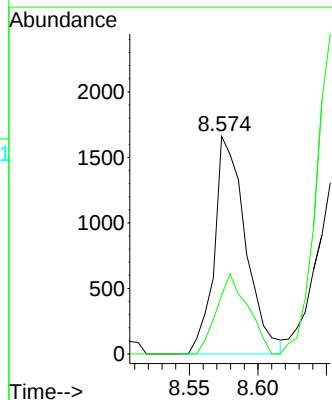
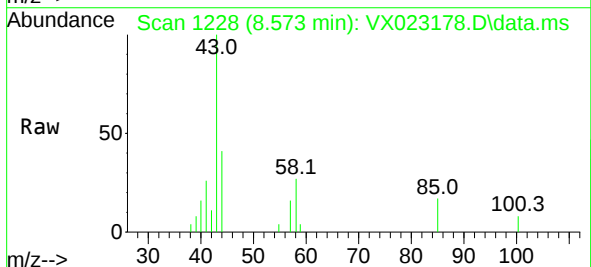
Instrument :  
MSVOA\_X  
ClientSampled :

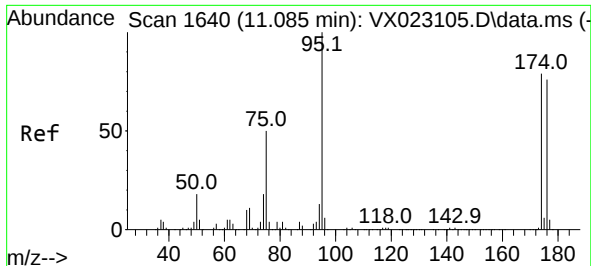
Tgt Ion: 98 Resp: 427334  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.9 77.9



#51  
4-Methyl-2-Pentanone  
Concen: 0.726 ug/l  
RT: 8.573 min Scan# 1228  
Delta R.T. -0.007 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

Tgt Ion: 43 Resp: 2638  
Ion Ratio Lower Upper  
43 100  
58 36.8 35.4 53.0

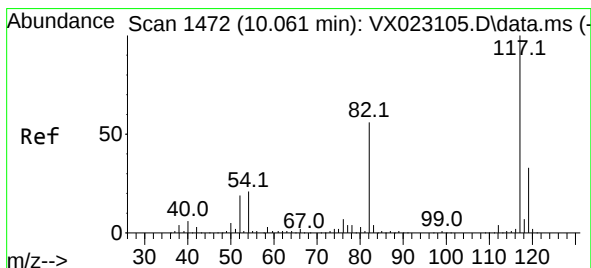
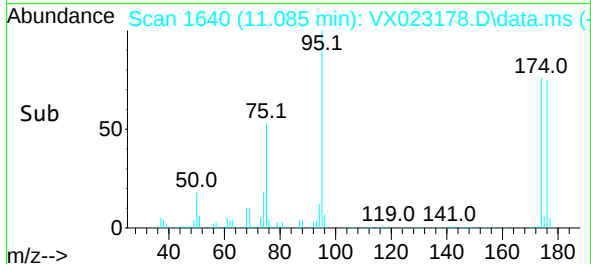
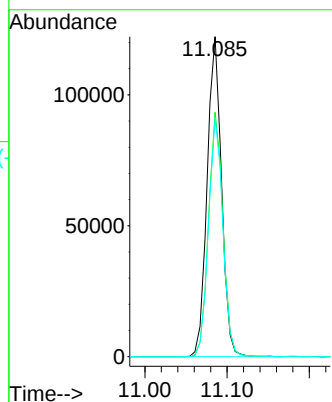
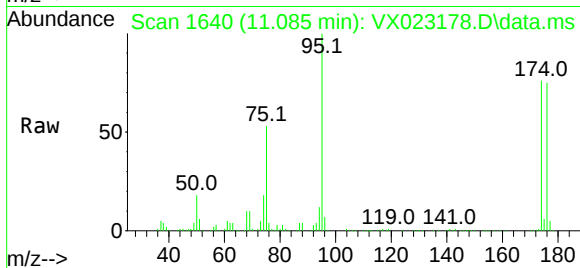




#62  
4-Bromofluorobenzene  
Concen: 43.972 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

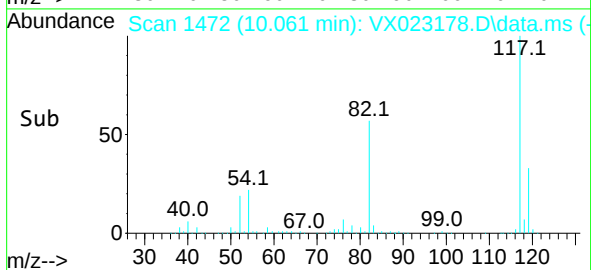
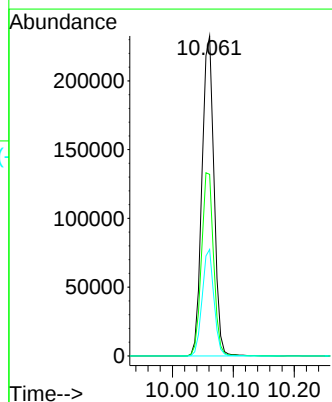
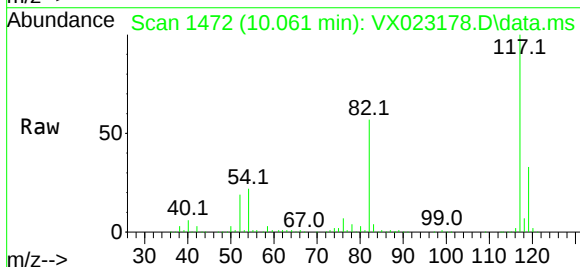
Instrument :  
MSVOA\_X  
ClientSampleId :

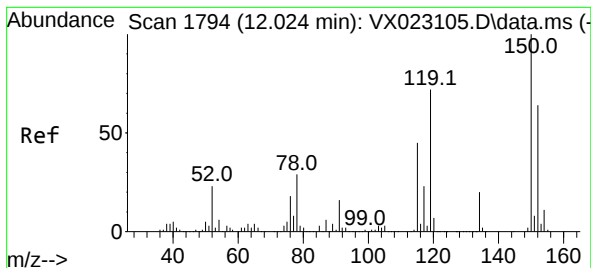
Tgt Ion: 95 Resp: 148323  
Ion Ratio Lower Upper  
95 100  
174 76.9 0.0 154.6  
176 74.9 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

Tgt Ion: 117 Resp: 318639  
Ion Ratio Lower Upper  
117 100  
82 56.8 47.4 71.2  
119 33.3 26.6 39.8

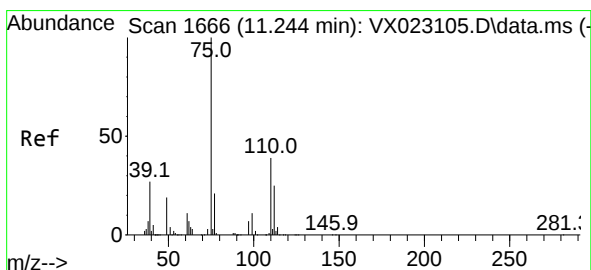
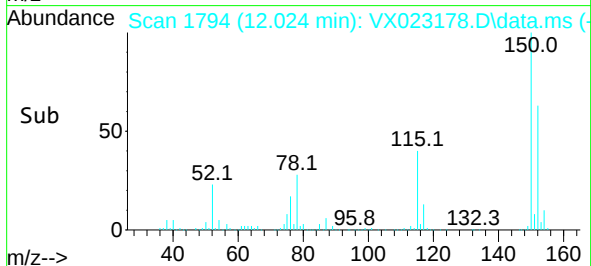
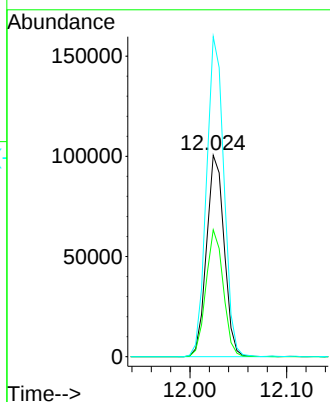
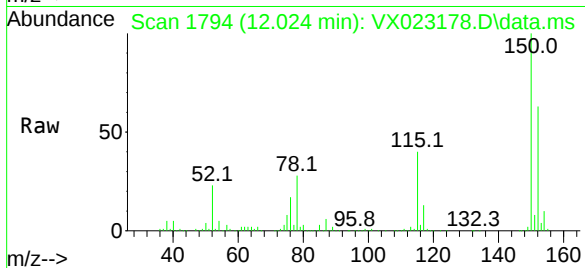




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX023178.D  
 Acq: 07 Jul 2021 17:26

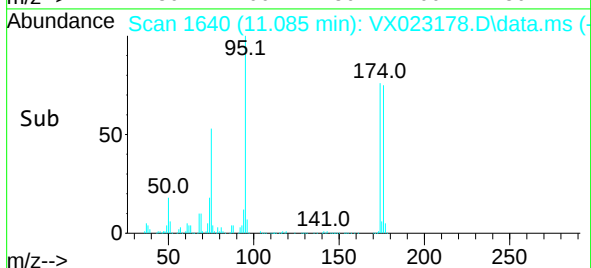
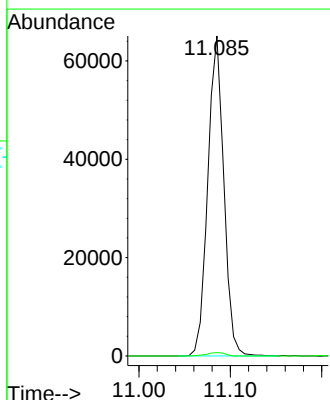
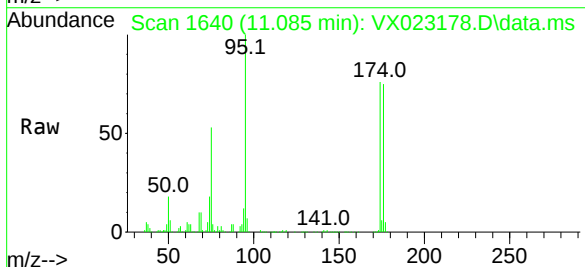
Instrument :  
 MSVOA\_X  
 ClientSampled :

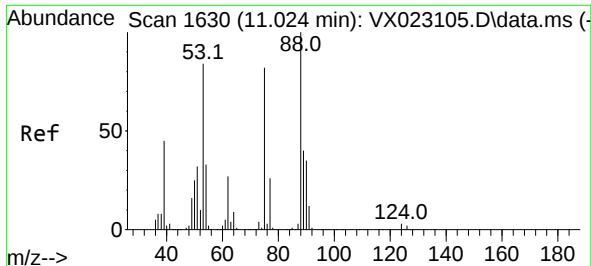
Tgt Ion:152 Resp: 127469  
 Ion Ratio Lower Upper  
 152 100  
 115 62.0 41.1 123.3  
 150 157.4 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 30.845 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX023178.D  
 Acq: 07 Jul 2021 17:26

Tgt Ion: 75 Resp: 79121  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 19.1 57.5#

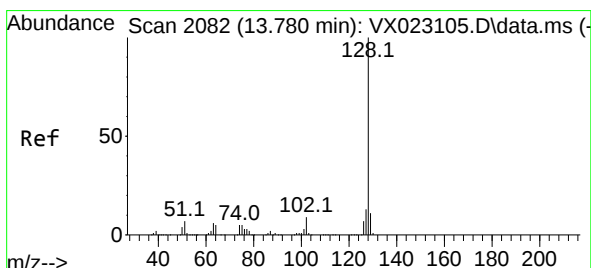
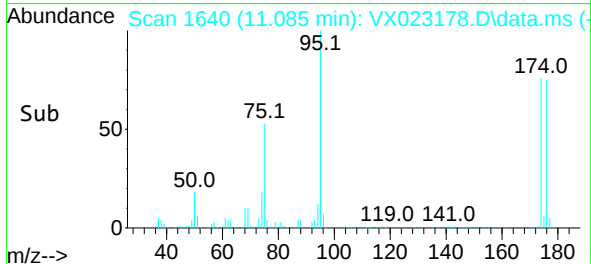
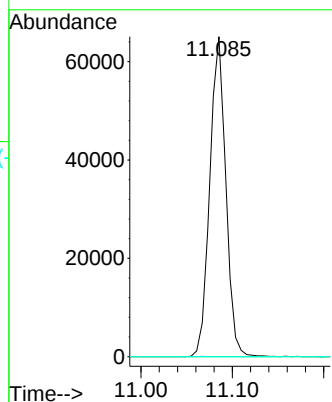
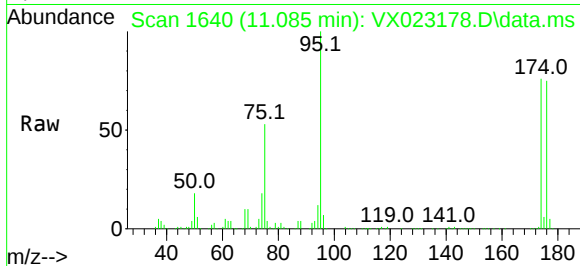




#81  
trans-1,4-Dichloro-2-butene  
Concen: 82.685 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 79121  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 1.295 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.006 min  
Lab File: VX023178.D  
Acq: 07 Jul 2021 17:26

Tgt Ion:128 Resp: 194  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 26.3 8.8 13.2#

