

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090121\  
 Data File : VX024056.D  
 Acq On : 01 Sep 2021 10:51  
 Operator : JC/MD  
 Sample : VX0901WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 02 07:06:40 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X080321W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Aug 03 12:05:42 2021  
 Response via : Initial Calibration

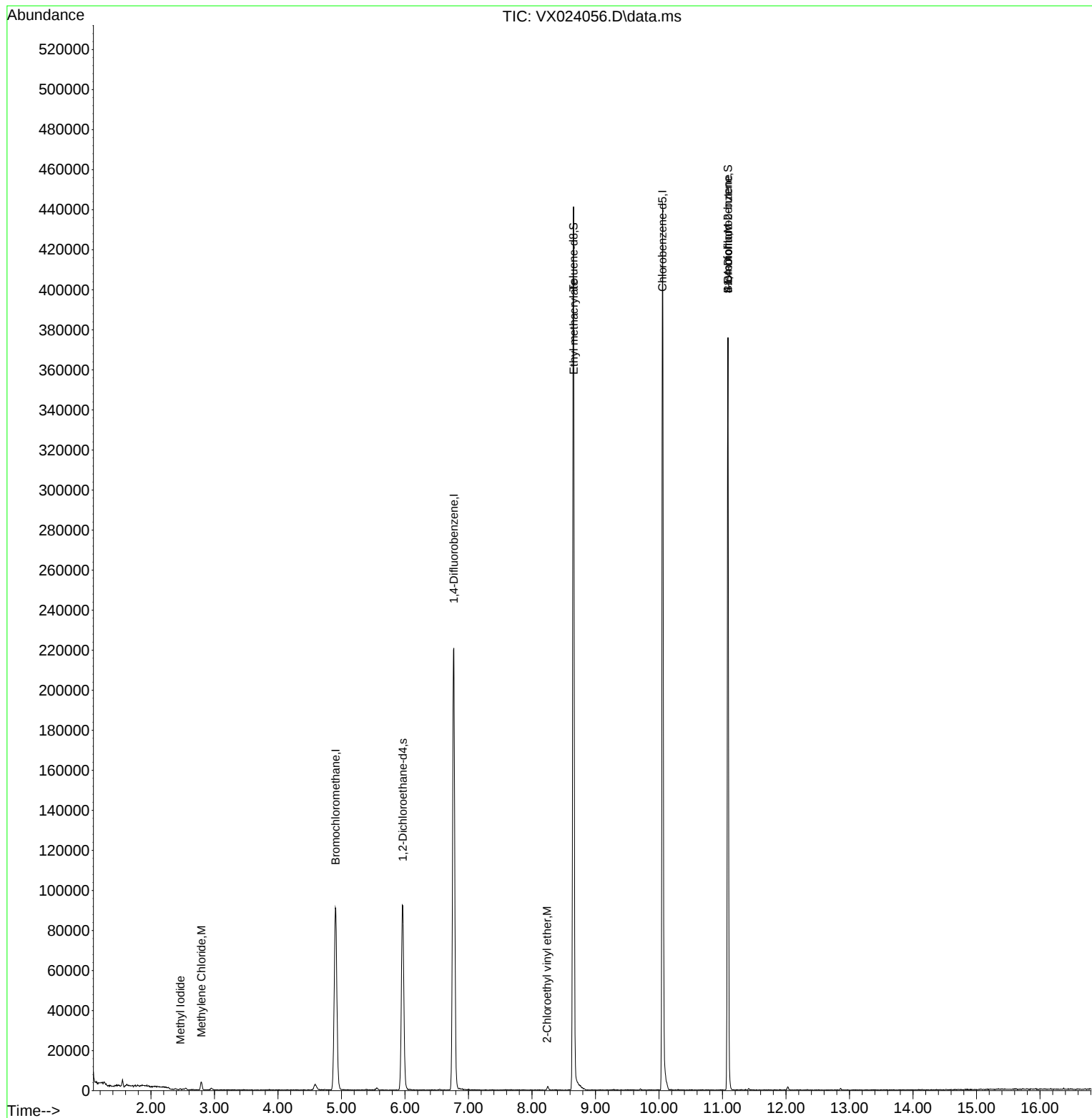
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 4.910  | 128   | 37307    | 30.00    | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene       | 6.769  | 114   | 220214   | 30.00    | ug/l   | 0.00     |
| 57) Chlorobenzene-d5          | 10.055 | 117   | 199789   | 30.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4     | 5.964  | 65    | 93395    | 32.37    | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 91 - 110 | Recovery | =      | 107.90%  |
| 60) 4-Bromofluorobenzene      | 11.085 | 95    | 95723    | 29.25    | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 63 - 112 | Recovery | =      | 97.50%   |
| 63) Toluene-d8                | 8.653  | 98    | 263887   | 29.35    | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 91 - 112 | Recovery | =      | 97.83%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          |        | Qvalue   |
| 11) Methyl Iodide             | 2.465  | 142   | 628      | 0.21     | ug/l   | 86       |
| 18) Methylene Chloride        | 2.794  | 84    | 1687     | 0.66     | ug/l # | 84       |
| 51) Ethyl methacrylate        | 8.659  | 69    | 1052     | 0.24     | ug/l   | 78       |
| 55) 2-Chloroethyl vinyl ether | 8.238  | 63    | 862      | 0.39     | ug/l # | 74       |
| 56) Bromoform                 | 11.085 | 173   | 870      | 0.44     | ug/l # | 1        |
| 77) t-1,4-Dichloro-2-butene   | 11.085 | 75    | 51719    | 38.53    | ug/l # | 7        |
| -----                         |        |       |          |          |        |          |

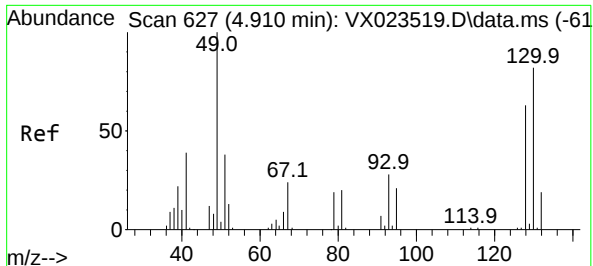
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090121\  
Data File : VX024056.D  
Acq On : 01 Sep 2021 10:51  
Operator : JC/MD  
Sample : VX0901WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

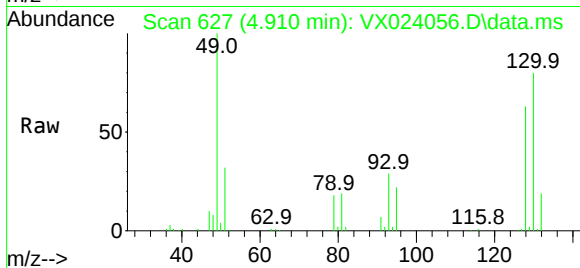
Quant Time: Sep 02 07:06:40 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X080321W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Tue Aug 03 12:05:42 2021  
Response via : Initial Calibration



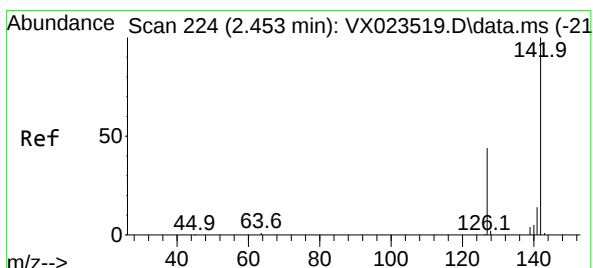
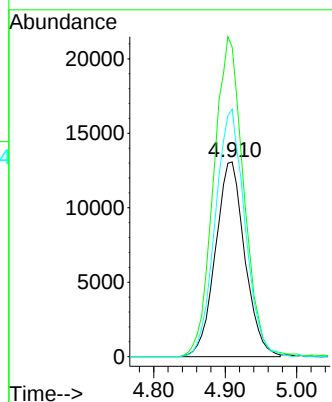
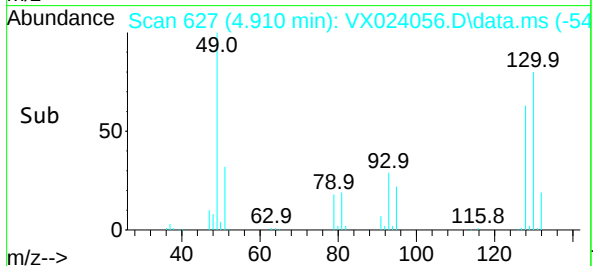


#1  
Bromochloromethane  
Concen: 30.00 ug/l  
RT: 4.910 min Scan# 627  
Delta R.T. -0.000 min  
Lab File: VX024056.D  
Acq: 01 Sep 2021 10:51

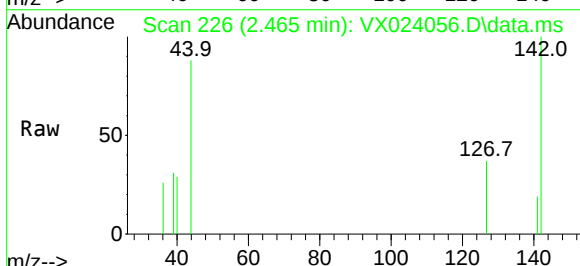
Instrument :  
MSVOA\_X  
ClientSampled :



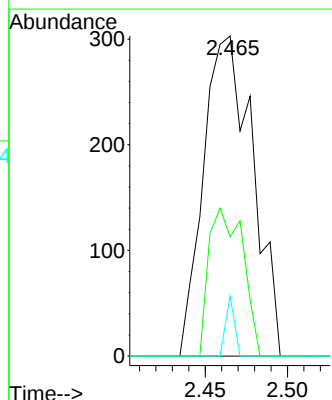
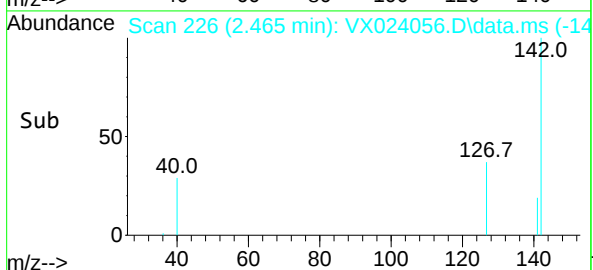
Tgt Ion:128 Resp: 37307  
Ion Ratio Lower Upper  
128 100  
49 167.5 0.0 402.5  
130 128.6 0.0 326.5

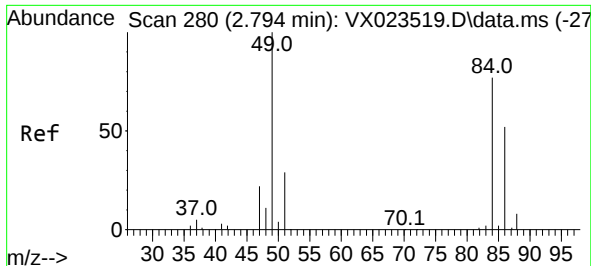


#11  
Methyl Iodide  
Concen: 0.21 ug/l  
RT: 2.465 min Scan# 226  
Delta R.T. 0.012 min  
Lab File: VX024056.D  
Acq: 01 Sep 2021 10:51



Tgt Ion:142 Resp: 628  
Ion Ratio Lower Upper  
142 100  
127 37.3 23.6 71.0  
141 18.8 7.1 21.3





#18

Methylene Chloride

Concen: 0.66 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024056.D

Acq: 01 Sep 2021 10:51

Tgt Ion: 84 Resp: 1687

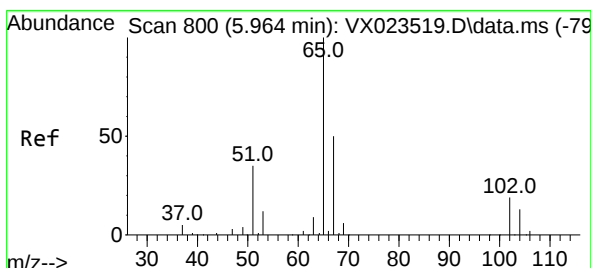
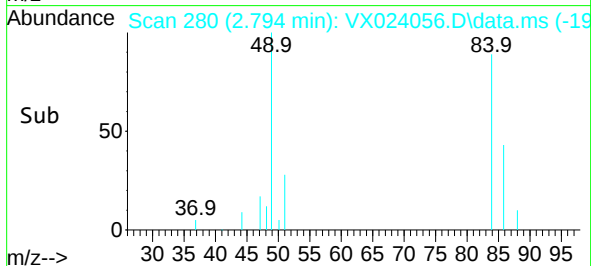
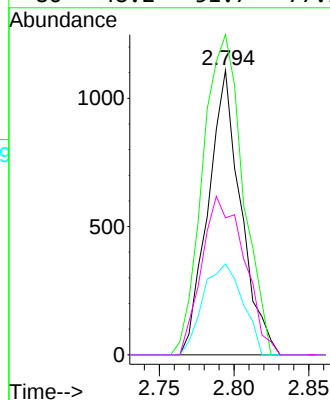
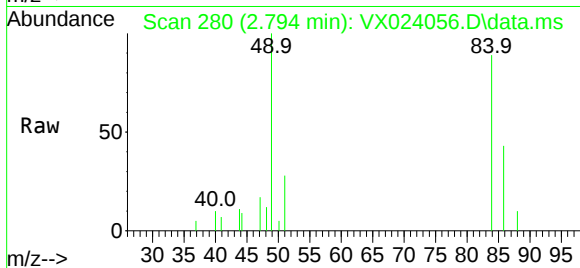
Ion Ratio Lower Upper

84 100

49 112.5 104.3 156.5

51 31.9 30.3 45.5

86 48.2 51.7 77.5#



#27

1,2-Dichloroethane-d4

Concen: 32.37 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024056.D

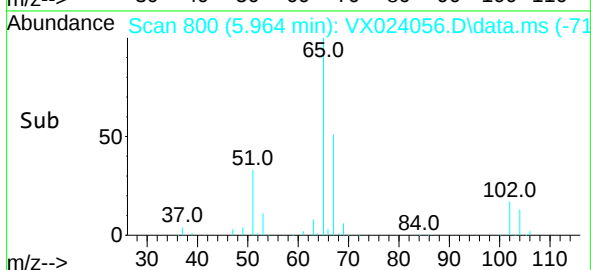
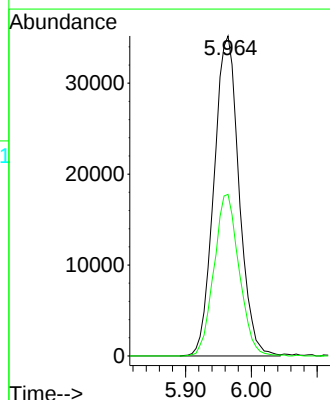
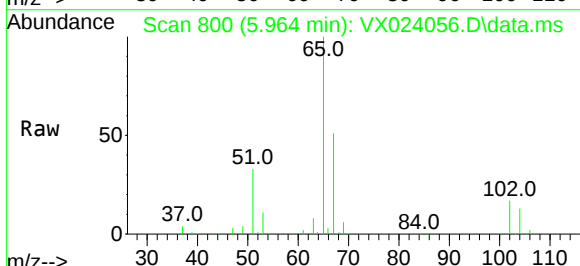
Acq: 01 Sep 2021 10:51

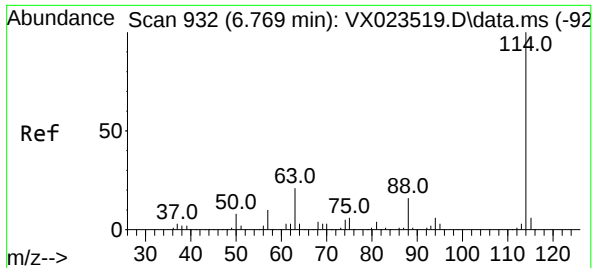
Tgt Ion: 65 Resp: 93395

Ion Ratio Lower Upper

65 100

67 50.6 42.4 63.6





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX024056.D

Acq: 01 Sep 2021 10:51

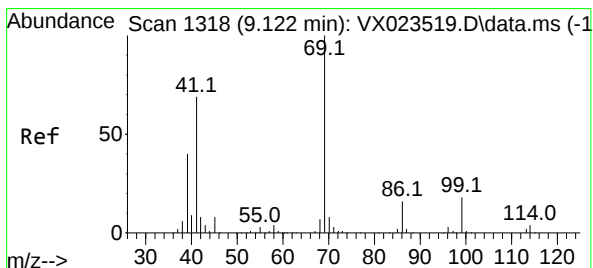
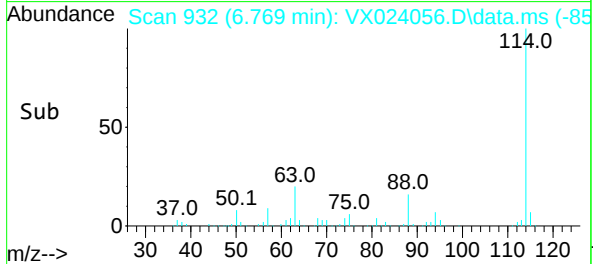
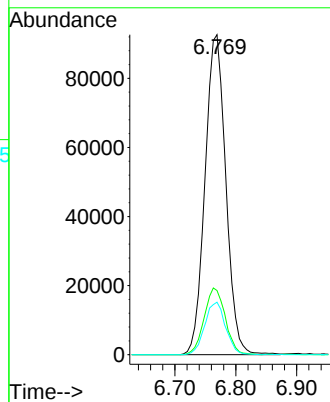
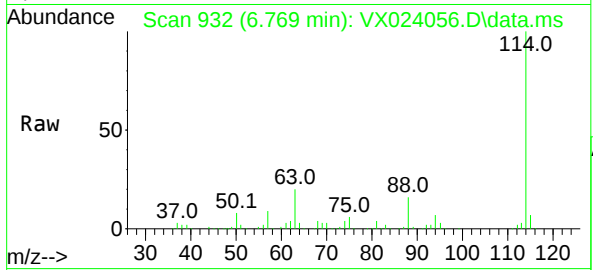
Tgt Ion:114 Resp: 220214

Ion Ratio Lower Upper

114 100

63 21.2 16.4 24.6

88 16.4 12.7 19.1



#51

Ethyl methacrylate

Concen: 0.24 ug/l

RT: 8.659 min Scan# 1242

Delta R.T. -0.463 min

Lab File: VX024056.D

Acq: 01 Sep 2021 10:51

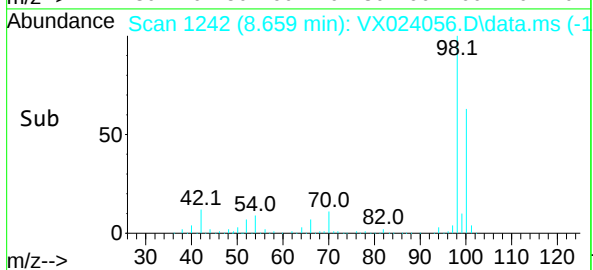
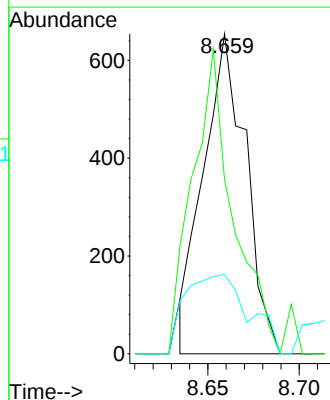
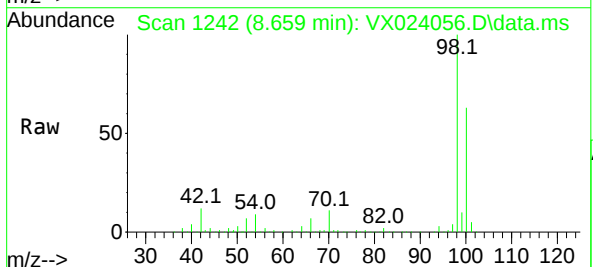
Tgt Ion: 69 Resp: 1052

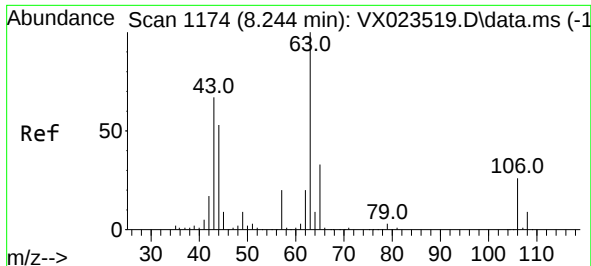
Ion Ratio Lower Upper

69 100

41 54.6 35.8 107.3

39 24.8 20.3 60.8

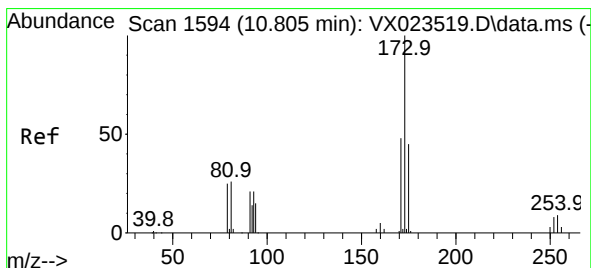
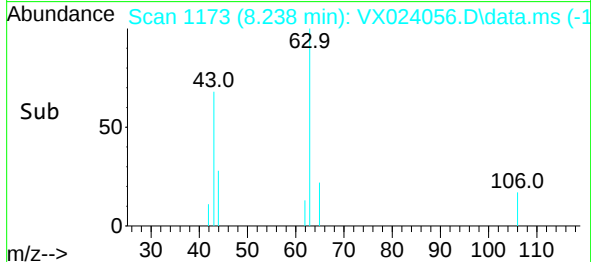
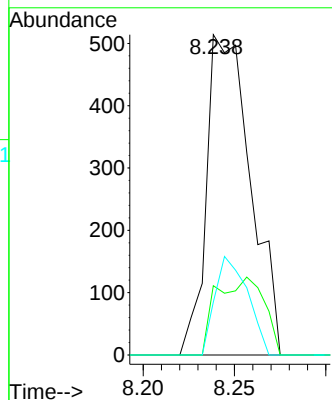
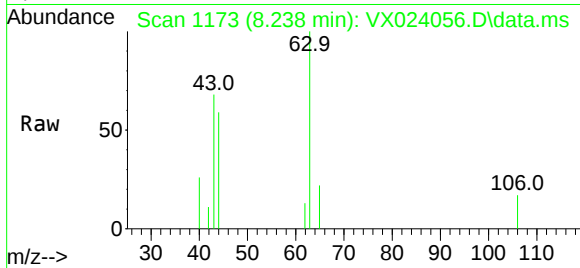




#55  
2-Chloroethyl vinyl ether  
Concen: 0.39 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.006 min  
Lab File: VX024056.D  
Acq: 01 Sep 2021 10:51

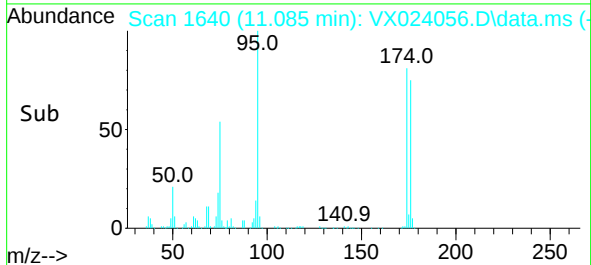
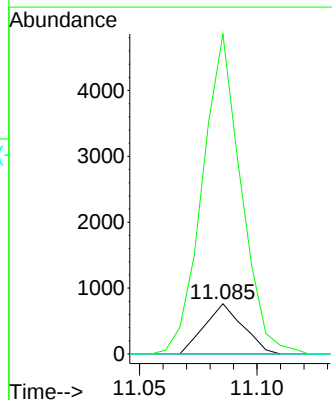
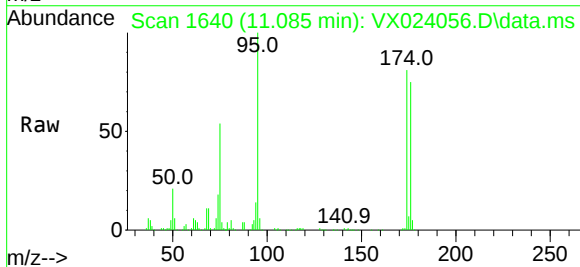
Instrument :  
MSVOA\_X  
ClientSampled :

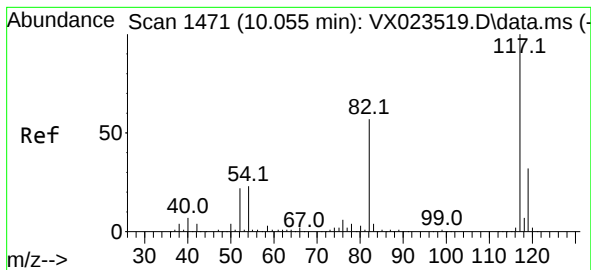
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 862   |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 8.9   | 25.8  | 38.6# |
| 106      | 22.9  | 21.8  | 32.8  |



#56  
Bromoform  
Concen: 0.44 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.281 min  
Lab File: VX024056.D  
Acq: 01 Sep 2021 10:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 870   |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 639.3 | 38.4  | 57.6# |
| 254      | 0.0   | 7.3   | 10.9# |

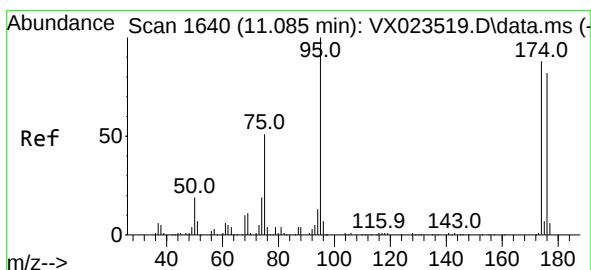
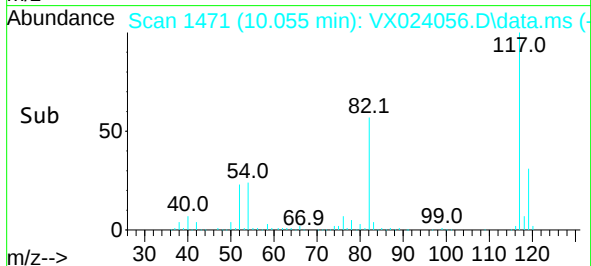
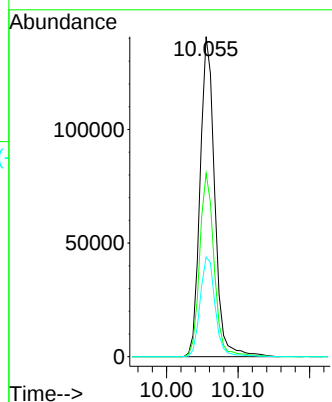
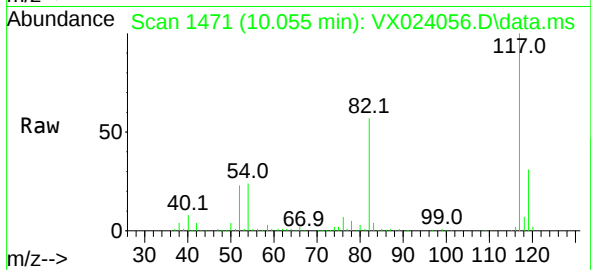




#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX024056.D  
Acq: 01 Sep 2021 10:51

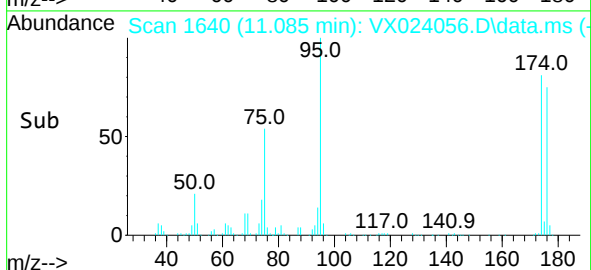
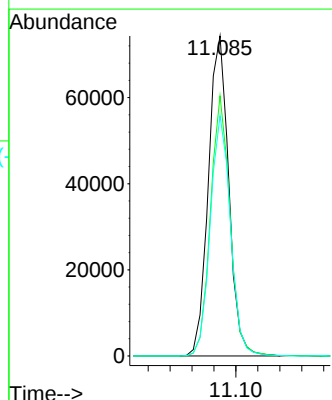
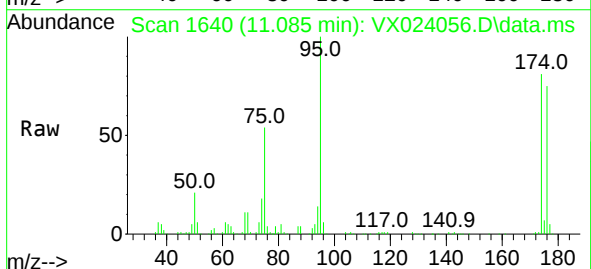
Instrument :  
MSVOA\_X  
ClientSampled :

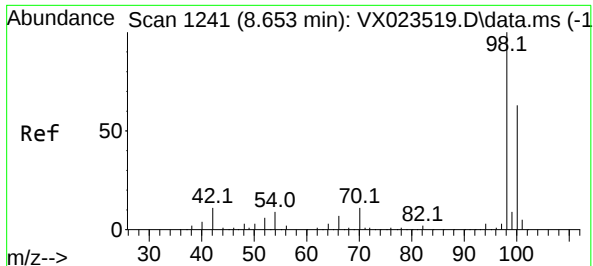
Tgt Ion:117 Resp: 199789  
Ion Ratio Lower Upper  
117 100  
82 56.8 45.0 67.4  
119 32.0 26.2 39.2



#60  
4-Bromofluorobenzene  
Concen: 29.25 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024056.D  
Acq: 01 Sep 2021 10:51

Tgt Ion: 95 Resp: 95723  
Ion Ratio Lower Upper  
95 100  
174 78.3 63.5 95.3  
176 74.6 63.0 94.4

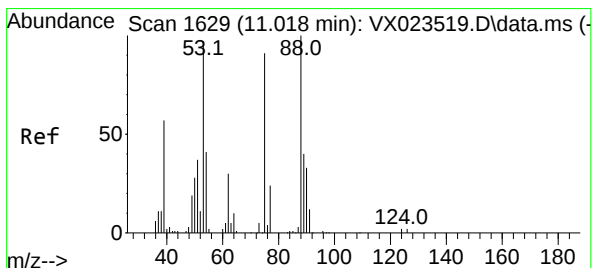
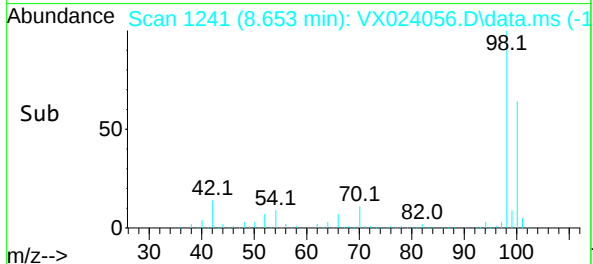
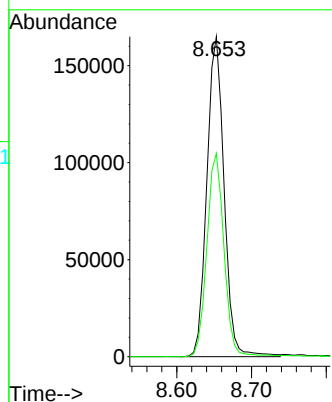
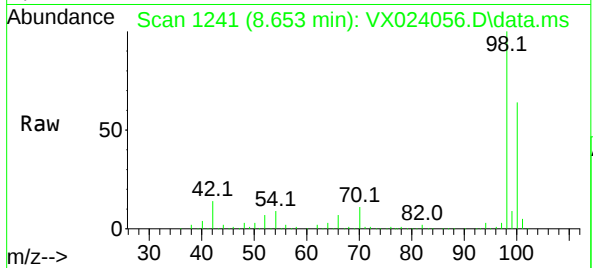




#63  
Toluene-d8  
Concen: 29.35 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX024056.D  
Acq: 01 Sep 2021 10:51

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion: 98 Resp: 263887  
Ion Ratio Lower Upper  
98 100  
100 62.7 51.4 77.0



#77  
t-1,4-Dichloro-2-butene  
Concen: 38.53 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.067 min  
Lab File: VX024056.D  
Acq: 01 Sep 2021 10:51

Tgt Ion: 75 Resp: 51719  
Ion Ratio Lower Upper  
75 100  
53 0.0 53.9 161.7#  
89 0.0 22.9 68.7#

