

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011422\  
 Data File : VX026445.D  
 Acq On : 14 Jan 2022 10:43  
 Operator : JC/MD  
 Sample : VX0114WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0114WBL01

Quant Time: Jan 17 05:54:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X011022W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jan 10 12:50:55 2022  
 Response via : Initial Calibration

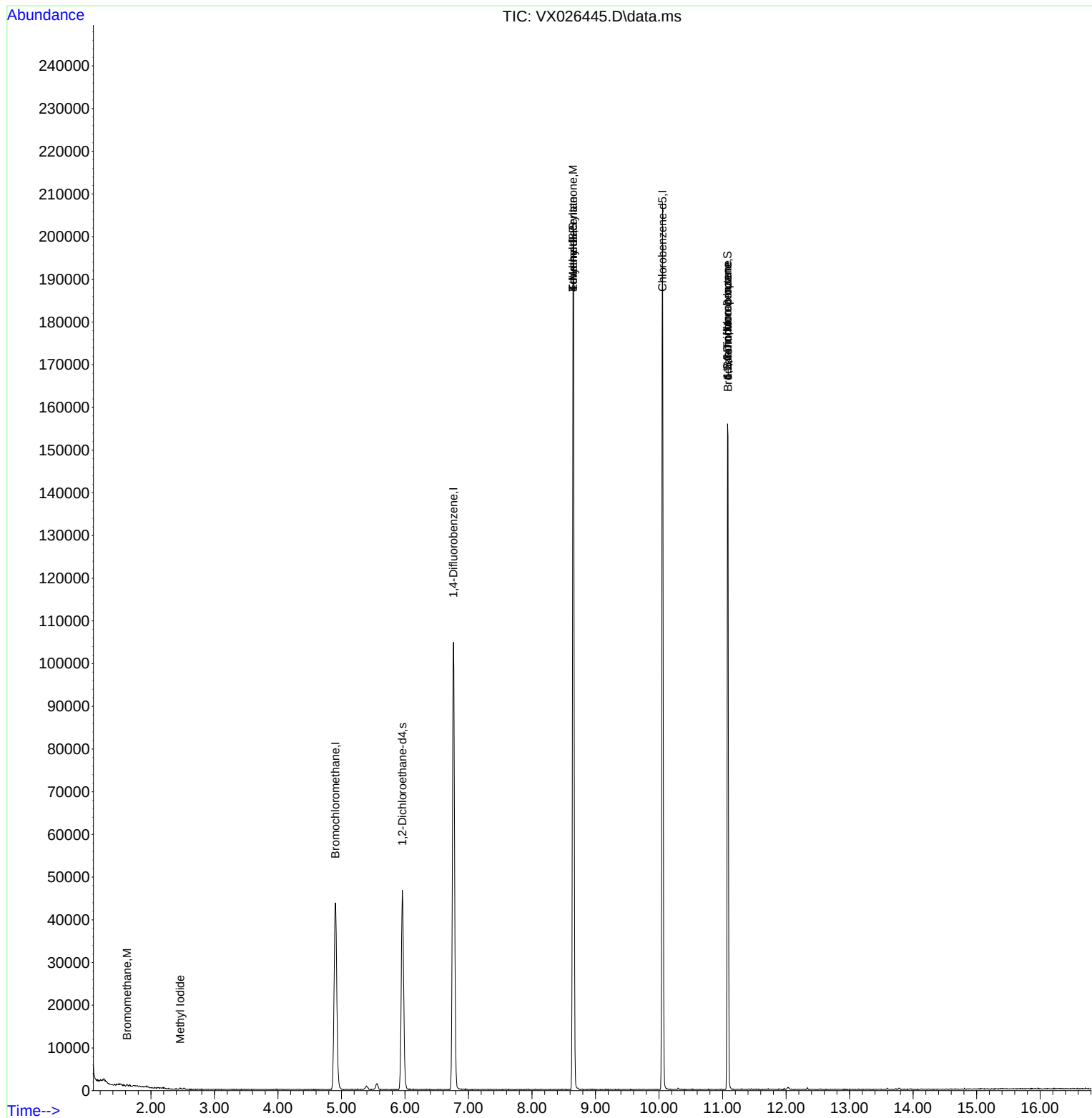
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 4.904  | 128   | 18362    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 6.763  | 114   | 105868   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 10.055 | 117   | 89728    | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 5.958  | 65    | 45743    | 30.980   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 103.267% |
| 60) 4-Bromofluorobenzene    | 11.079 | 95    | 43769    | 29.228   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 97.433%  |
| 63) Toluene-d8              | 8.647  | 98    | 122318   | 29.674   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 98.900%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 5) Bromomethane             | 1.624  | 94    | 138      | 0.287    | ug/l # | 66       |
| 11) Methyl Iodide           | 2.459  | 142   | 298      | 0.278    | ug/l # | 80       |
| 51) Ethyl methacrylate      | 8.647  | 69    | 439      | 0.246    | ug/l   | 89       |
| 56) Bromoform               | 11.085 | 173   | 378      | 0.468    | ug/l # | 1        |
| 58) 4-Methyl-2-Pentanone    | 8.647  | 43    | 576      | 0.344    | ug/l # | 1        |
| 72) 1,2,3-Trichloropropane  | 11.079 | 75    | 22814    | 15.930   | ug/l   | 38       |
| 77) t-1,4-Dichloro-2-butene | 11.079 | 75    | 22814    | 52.968   | ug/l # | 3        |
| -----                       |        |       |          |          |        |          |

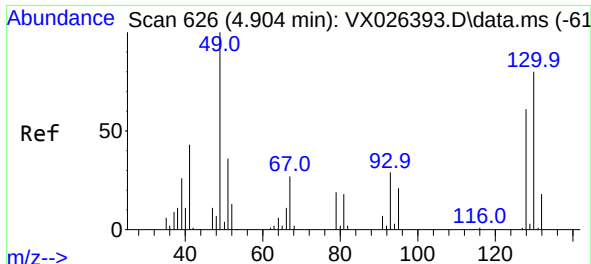
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011422\  
Data File : VX026445.D  
Acq On : 14 Jan 2022 10:43  
Operator : JC/MD  
Sample : VX0114WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBL01

Quant Time: Jan 17 05:54:48 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X011022W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Jan 10 12:50:55 2022  
Response via : Initial Calibration

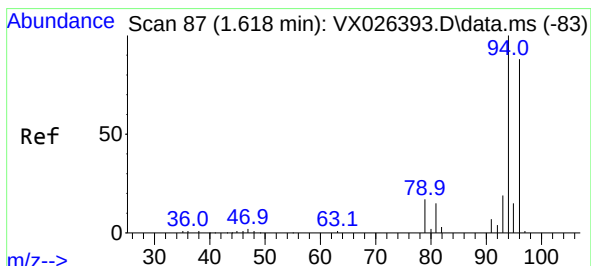
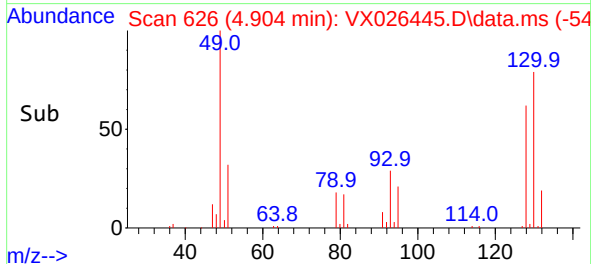
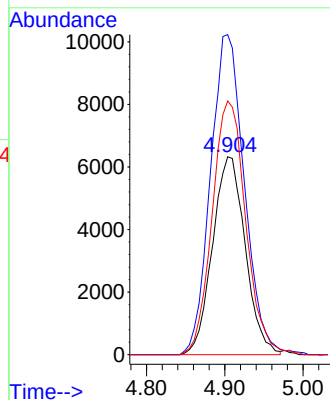
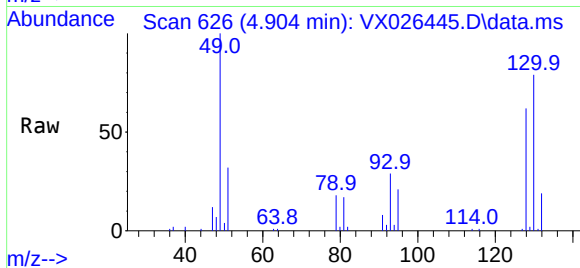




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.904 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VX026445.D  
Acq: 14 Jan 2022 10:43

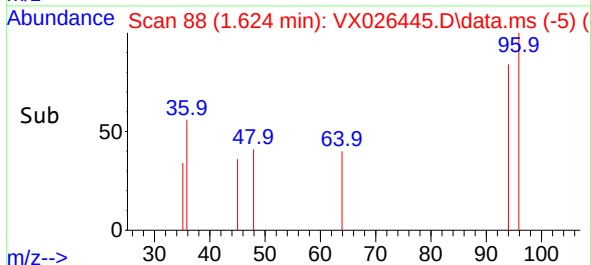
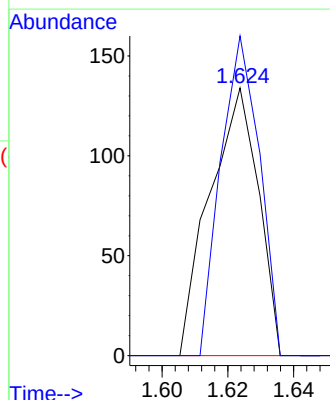
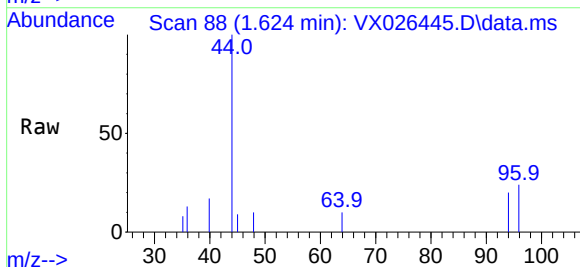
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBL01

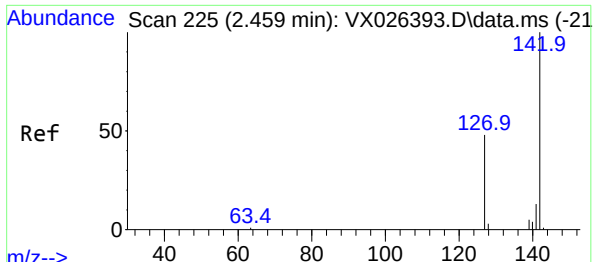
Tgt Ion:128 Resp: 18362  
Ion Ratio Lower Upper  
128 100  
49 167.5 0.0 413.5  
130 131.9 0.0 326.0



#5  
Bromomethane  
Concen: 0.287 ug/l  
RT: 1.624 min Scan# 88  
Delta R.T. 0.006 min  
Lab File: VX026445.D  
Acq: 14 Jan 2022 10:43

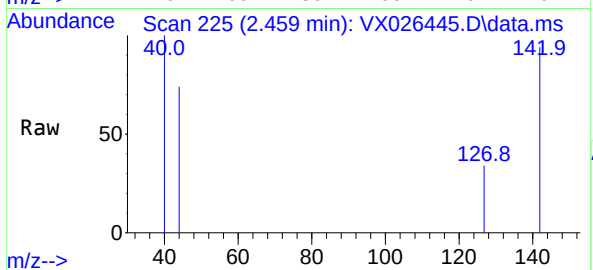
Tgt Ion: 94 Resp: 138  
Ion Ratio Lower Upper  
94 100  
96 119.4 70.3 105.5#



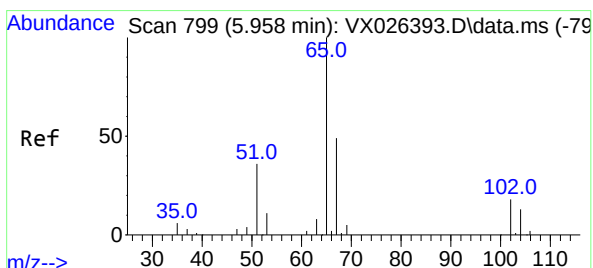
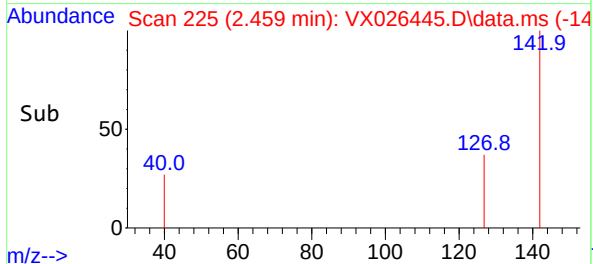
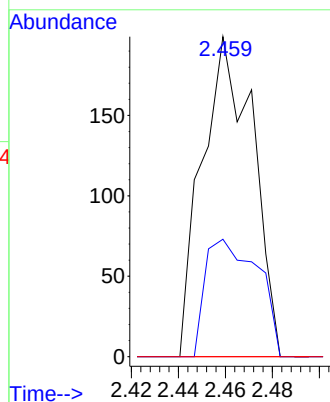


#11  
Methyl Iodide  
Concen: 0.278 ug/l  
RT: 2.459 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX026445.D  
Acq: 14 Jan 2022 10:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBL01

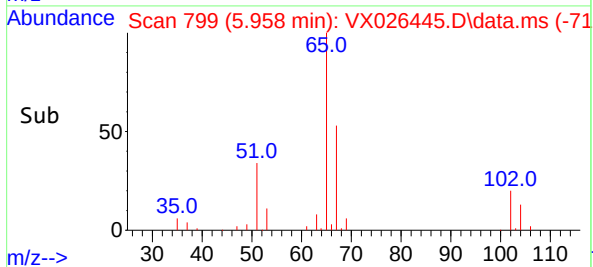
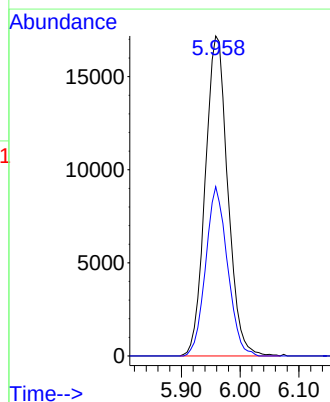
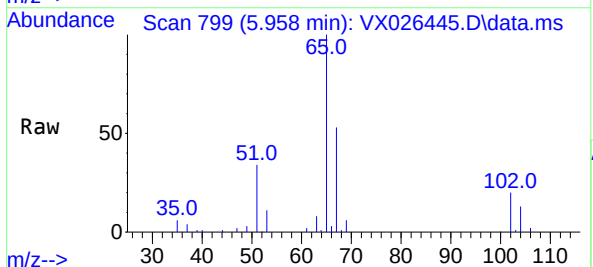


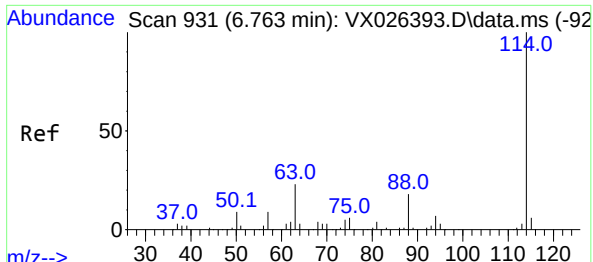
Tgt Ion:142 Resp: 298  
Ion Ratio Lower Upper  
142 100  
127 36.7 23.9 71.7  
141 0.0 6.7 20.1#



#27  
1,2-Dichloroethane-d4  
Concen: 30.980 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX026445.D  
Acq: 14 Jan 2022 10:43

Tgt Ion: 65 Resp: 45743  
Ion Ratio Lower Upper  
65 100  
67 51.3 39.6 59.4

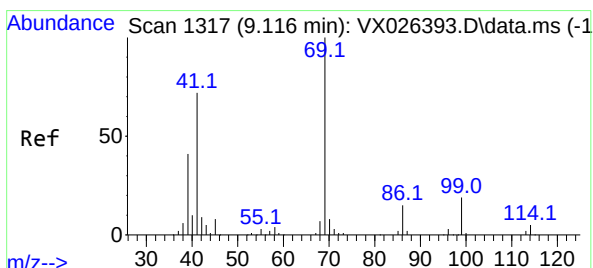
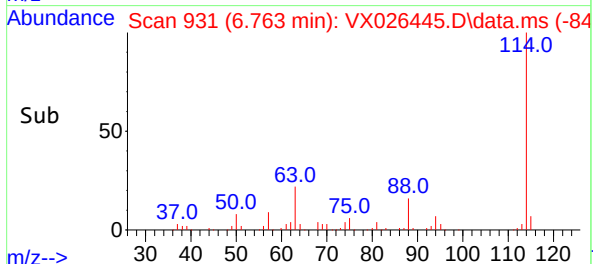
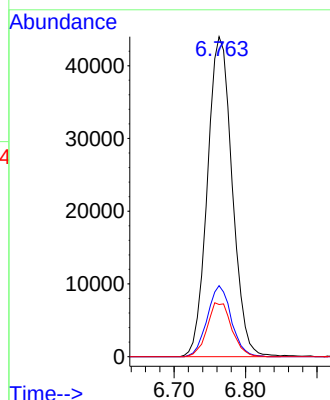
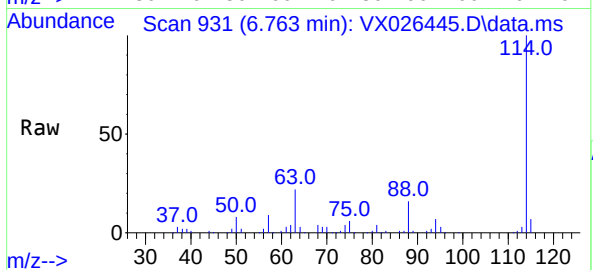




#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX026445.D  
Acq: 14 Jan 2022 10:43

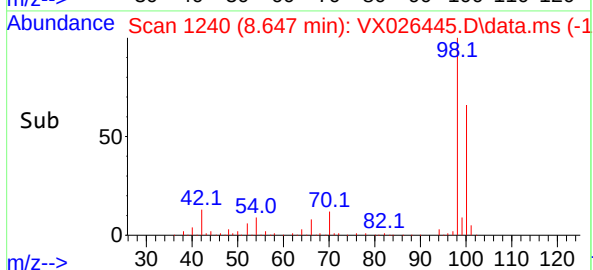
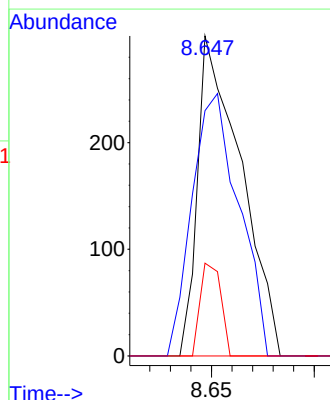
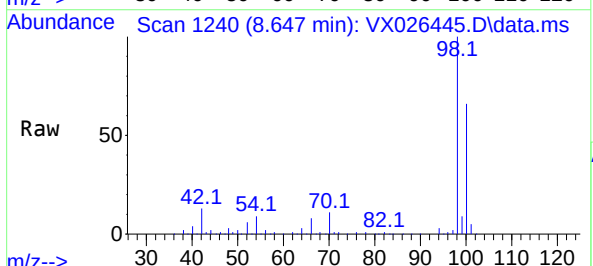
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBL01

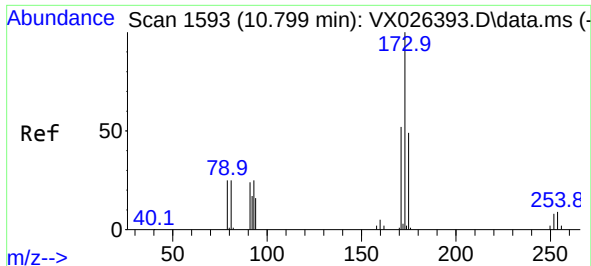
Tgt Ion:114 Resp: 105868  
Ion Ratio Lower Upper  
114 100  
63 21.5 17.4 26.2  
88 16.7 13.5 20.3



#51  
Ethyl methacrylate  
Concen: 0.246 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.469 min  
Lab File: VX026445.D  
Acq: 14 Jan 2022 10:43

Tgt Ion: 69 Resp: 439  
Ion Ratio Lower Upper  
69 100  
41 76.7 35.9 107.7  
39 29.0 20.3 61.0

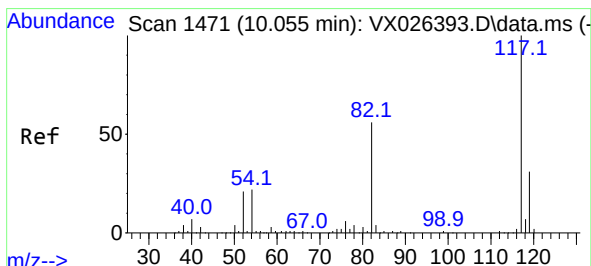
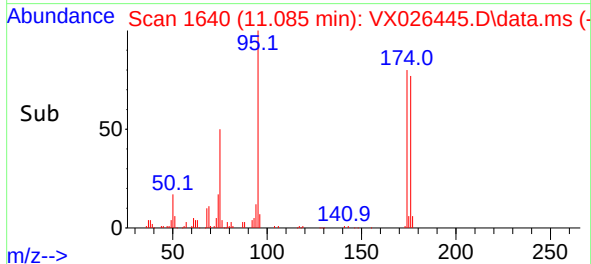
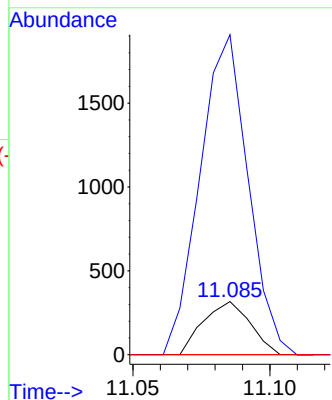
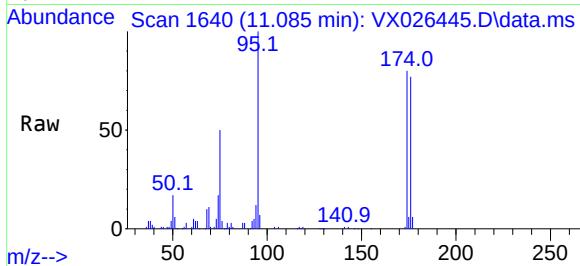




#56  
Bromoform  
Concen: 0.468 ug/l  
RT: 11.085 min Scan# 110  
Delta R.T. 0.287 min  
Lab File: VX026445.D  
Acq: 14 Jan 2022 10:43

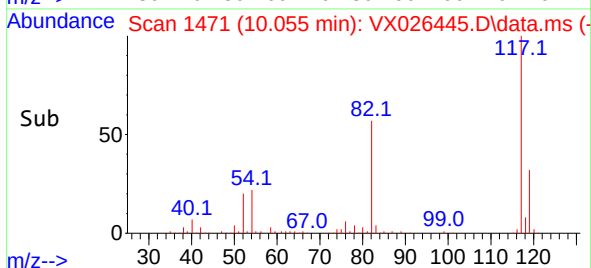
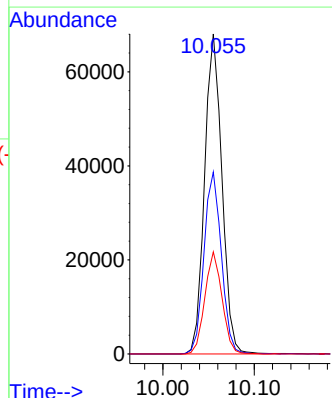
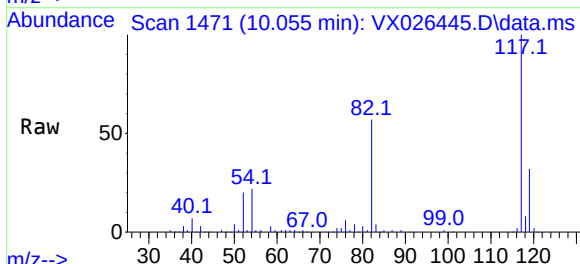
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBL01

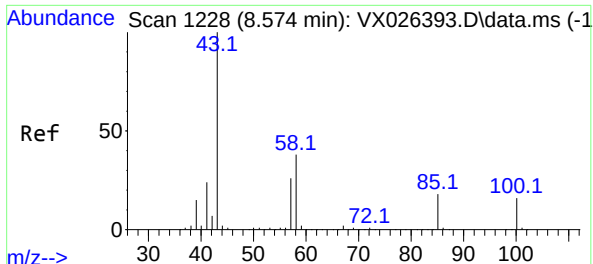
Tgt Ion:173 Resp: 378  
Ion Ratio Lower Upper  
173 100  
175 616.7 38.0 57.0#  
254 0.0 6.6 10.0#



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX026445.D  
Acq: 14 Jan 2022 10:43

Tgt Ion:117 Resp: 89728  
Ion Ratio Lower Upper  
117 100  
82 57.0 46.2 69.4  
119 31.6 25.4 38.2

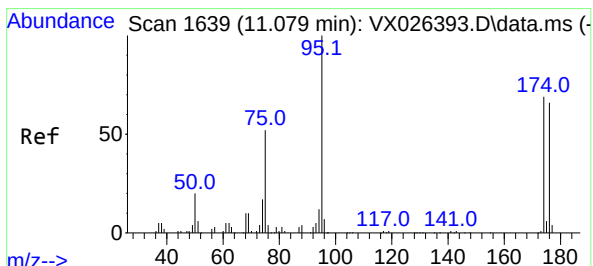
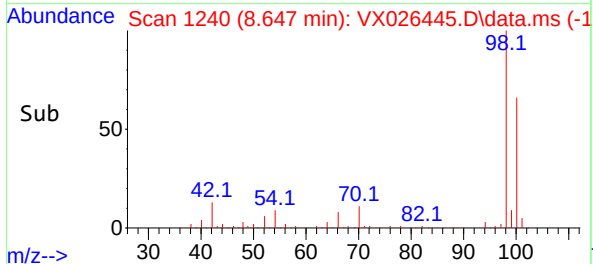
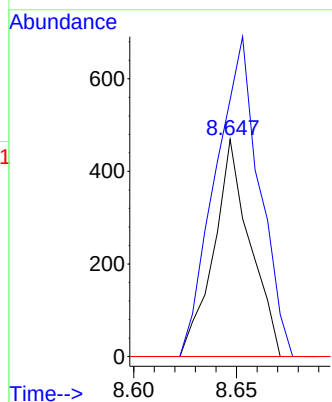
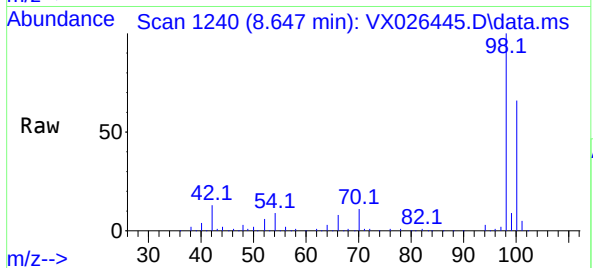




#58  
4-Methyl-2-Pentanone  
Concen: 0.344 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX026445.D  
Acq: 14 Jan 2022 10:43

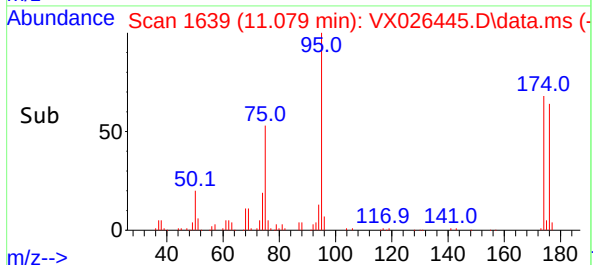
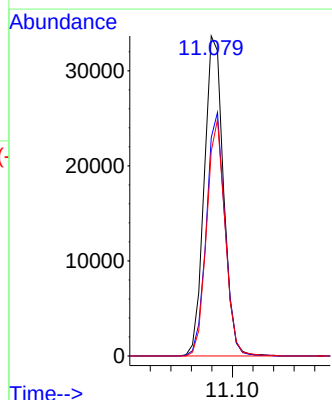
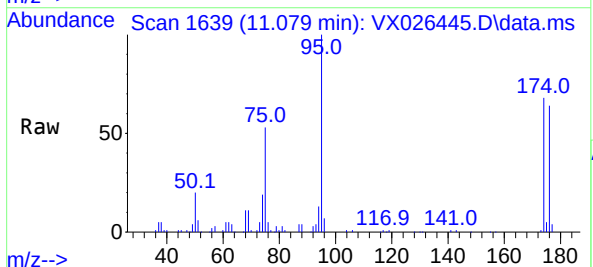
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBL01

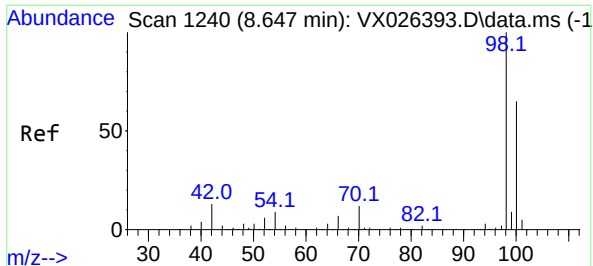
Tgt Ion: 43 Resp: 576  
Ion Ratio Lower Upper  
43 100  
58 179.2 30.2 45.4#  
85 0.0 14.1 21.1#



#60  
4-Bromofluorobenzene  
Concen: 29.228 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX026445.D  
Acq: 14 Jan 2022 10:43

Tgt Ion: 95 Resp: 43769  
Ion Ratio Lower Upper  
95 100  
174 73.4 58.0 87.0  
176 70.6 56.5 84.7





#63

Toluene-d8

Concen: 29.674 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX026445.D

Acq: 14 Jan 2022 10:43

Instrument :

MSVOA\_X

ClientSampleId :

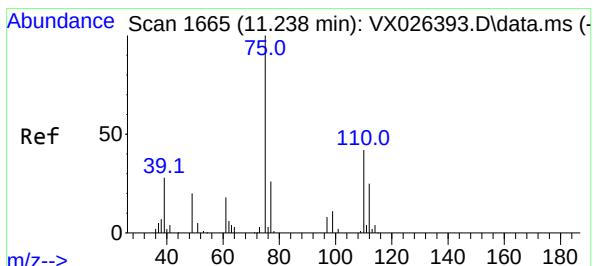
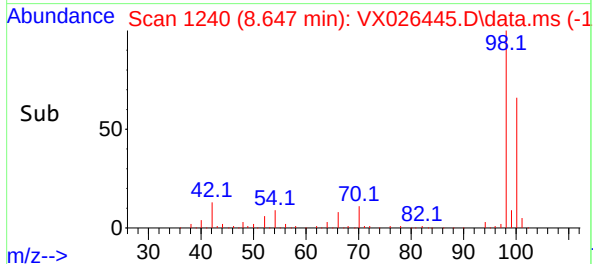
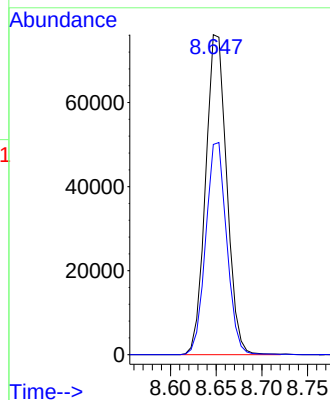
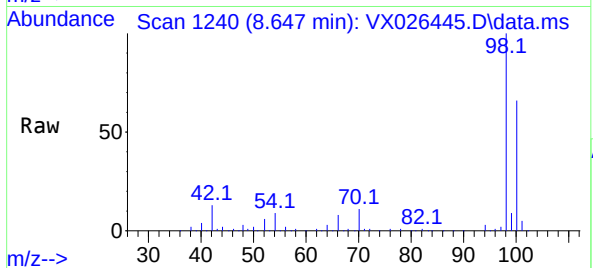
VX0114WBL01

Tgt Ion: 98 Resp: 122318

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7



#72

1,2,3-Trichloropropane

Concen: 15.930 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX026445.D

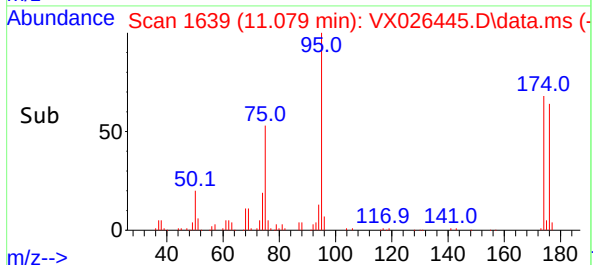
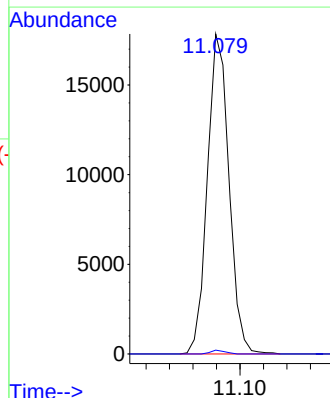
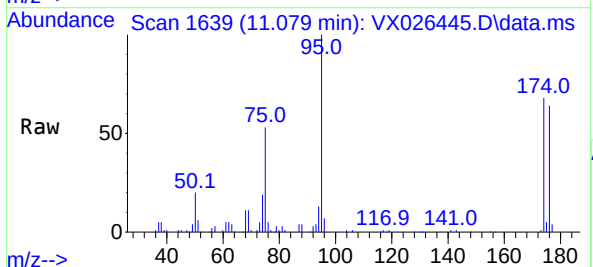
Acq: 14 Jan 2022 10:43

Tgt Ion: 75 Resp: 22814

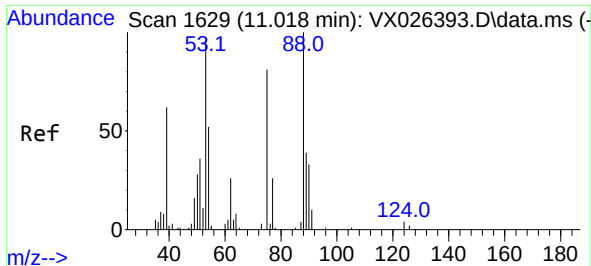
Ion Ratio Lower Upper

75 100

77 0.8 0.0 76.2







#77  
t-1,4-Dichloro-2-butene  
Concen: 52.968 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX026445.D  
Acq: 14 Jan 2022 10:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0114WBL01

Tgt Ion: 75 Resp: 22814  
Ion Ratio Lower Upper  
75 100  
53 0.0 59.0 176.8#  
89 0.0 24.0 72.0#

