

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071422\  
 Data File : VX030060.D  
 Acq On : 14 Jul 2022 14:45  
 Operator : JC/MD  
 Sample : N3718-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 220713004-03-TRIP-BLANK

Quant Time: Jul 15 04:41:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X070822W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Jul 09 02:10:54 2022  
 Response via : Initial Calibration

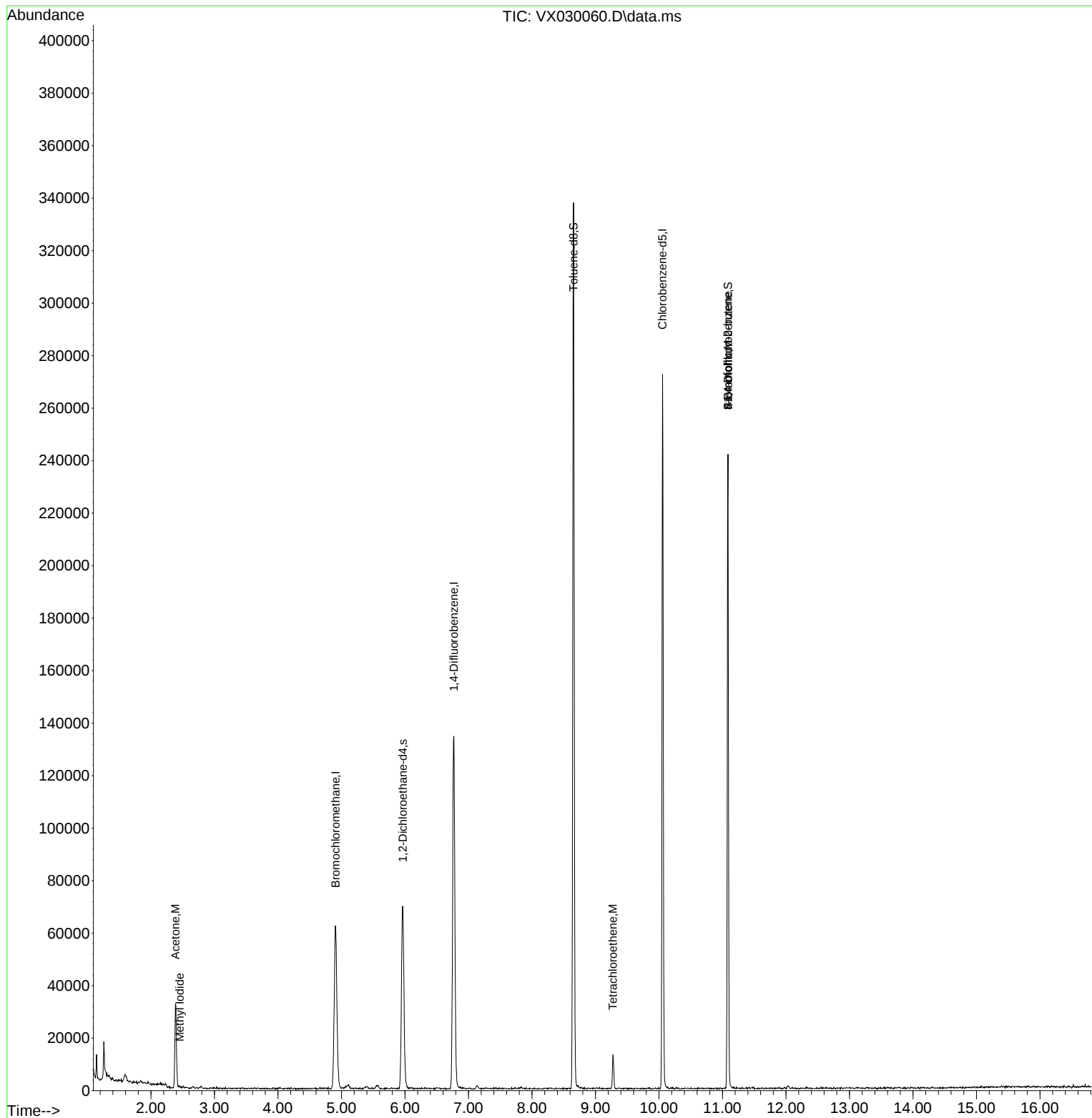
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 4.910  | 128   | 27536    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 6.769  | 114   | 145618   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 10.055 | 117   | 125798   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 5.964  | 65    | 64242    | 28.611   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 95.367%  |
| 60) 4-Bromofluorobenzene    | 11.085 | 95    | 65445    | 27.605   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 92.033%  |
| 63) Toluene-d8              | 8.653  | 98    | 204252   | 29.943   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 99.800%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 11) Methyl Iodide           | 2.453  | 142   | 487      | 9.105    | ug/l # | 82       |
| 15) Acetone                 | 2.386  | 58    | 11638    | 31.522   | ug/l   | 91       |
| 56) Bromoform               | 11.085 | 173   | 492      | 0.371    | ug/l # | 1        |
| 61) Tetrachloroethene       | 9.275  | 164   | 2233     | 1.182    | ug/l   | 82       |
| 77) t-1,4-Dichloro-2-butene | 11.085 | 75    | 31217    | 32.091   | ug/l # | 3        |
| -----                       |        |       |          |          |        |          |

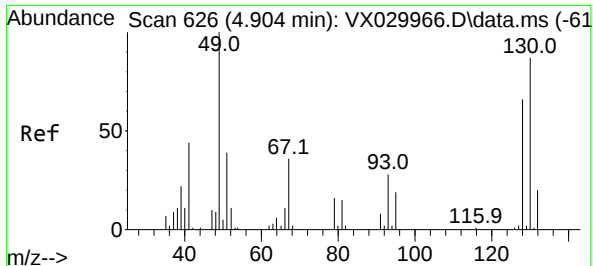
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071422\  
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MSVOA\_X  
ClientSampleId :  
220713004-03-TRIP-BLANK

Quant Time: Jul 15 04:41:55 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X070822W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Jul 09 02:10:54 2022  
Response via : Initial Calibration

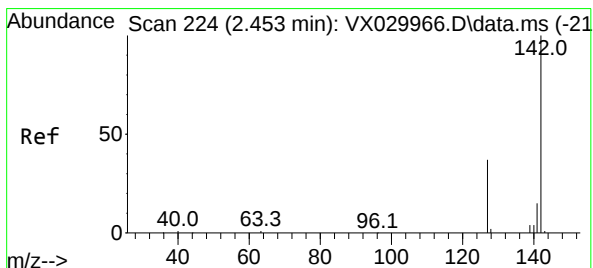
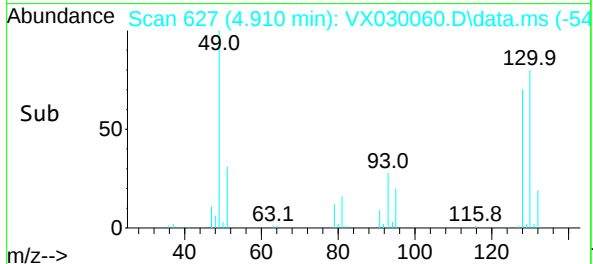
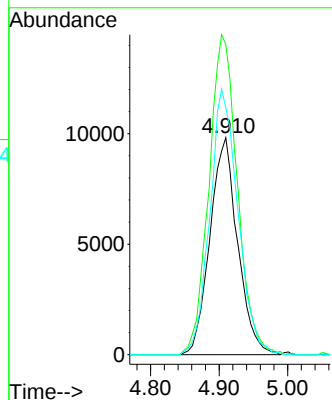
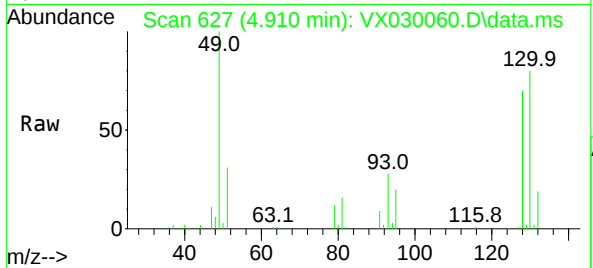




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.910 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX030060.D  
Acq: 14 Jul 2022 14:45

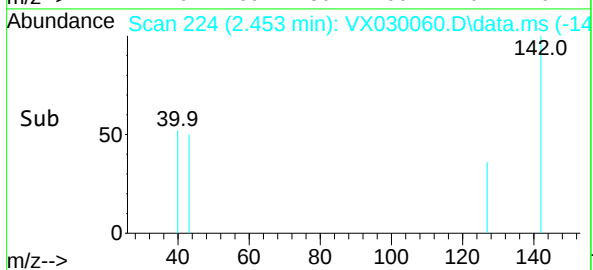
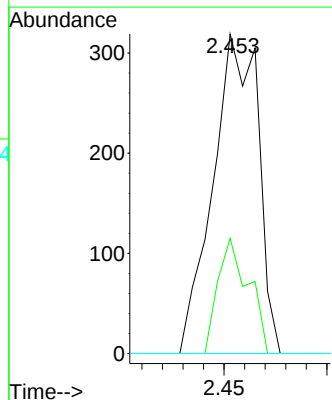
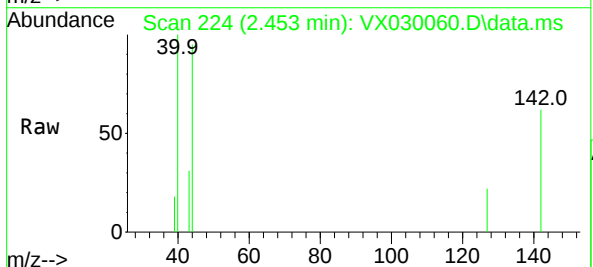
Instrument :  
MSVOA\_X  
ClientSampleId :  
220713004-03-TRIP-BLANK

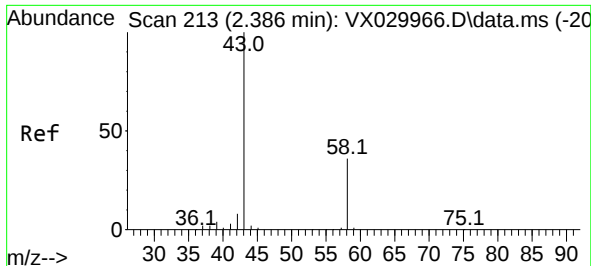
Tgt Ion:128 Resp: 27536  
Ion Ratio Lower Upper  
128 100  
49 151.8 0.0 358.3  
130 124.5 0.0 319.3



#11  
Methyl Iodide  
Concen: 9.105 ug/l  
RT: 2.453 min Scan# 224  
Delta R.T. 0.000 min  
Lab File: VX030060.D  
Acq: 14 Jul 2022 14:45

Tgt Ion:142 Resp: 487  
Ion Ratio Lower Upper  
142 100  
127 36.1 22.3 66.9  
141 0.0 7.0 20.9#

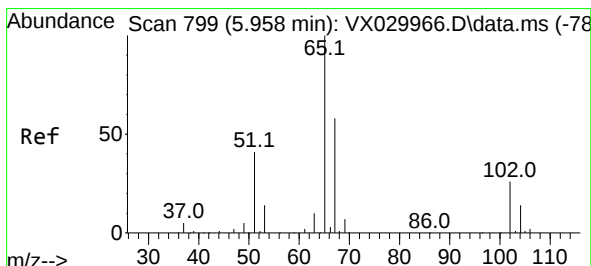
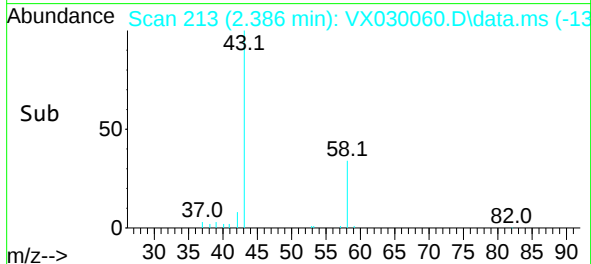
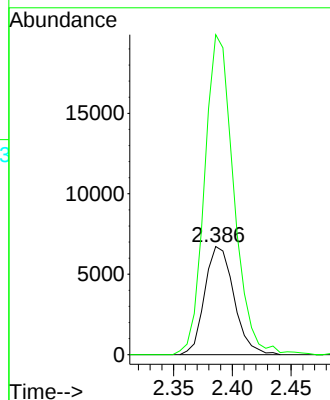
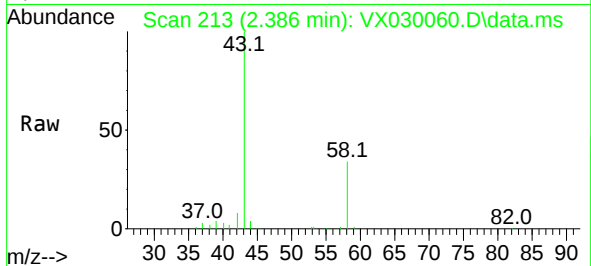




#15  
Acetone  
Concen: 31.522 ug/l  
RT: 2.386 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX030060.D  
Acq: 14 Jul 2022 14:45

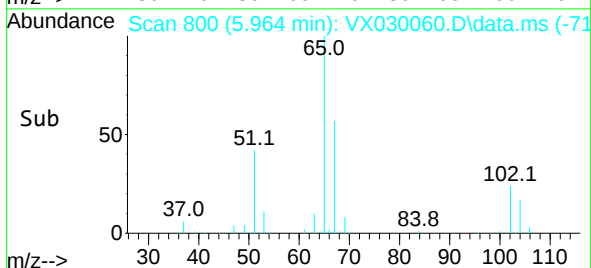
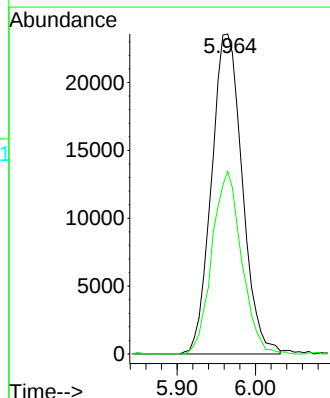
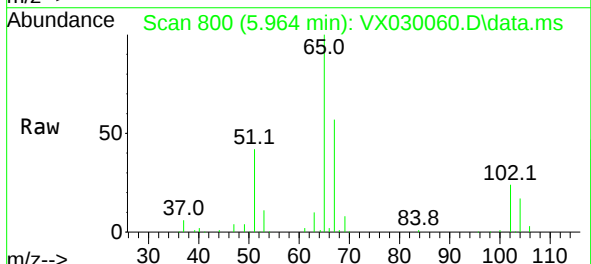
Instrument :  
MSVOA\_X  
ClientSampleId :  
220713004-03-TRIP-BLANK

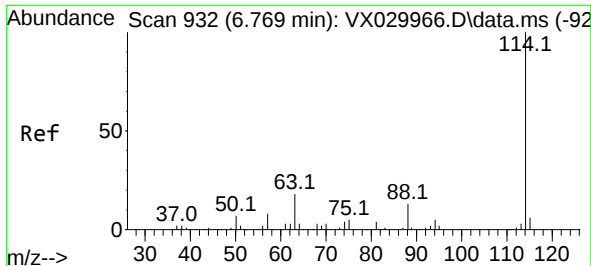
Tgt Ion: 58 Resp: 11638  
Ion Ratio Lower Upper  
58 100  
43 294.1 250.2 375.2



#27  
1,2-Dichloroethane-d4  
Concen: 28.611 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.006 min  
Lab File: VX030060.D  
Acq: 14 Jul 2022 14:45

Tgt Ion: 65 Resp: 64242  
Ion Ratio Lower Upper  
65 100  
67 55.0 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX030060.D

Acq: 14 Jul 2022 14:45

Instrument :

MSVOA\_X

ClientSampleId :

220713004-03-TRIP-BLANK

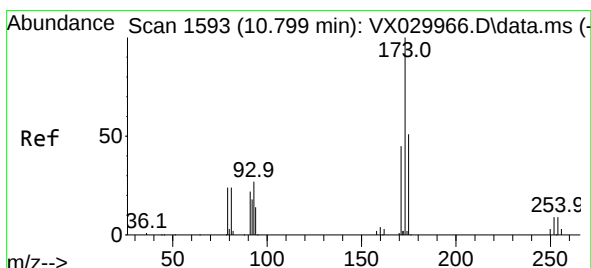
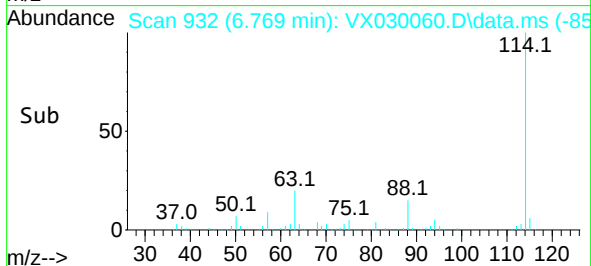
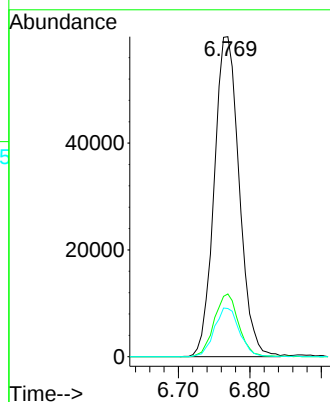
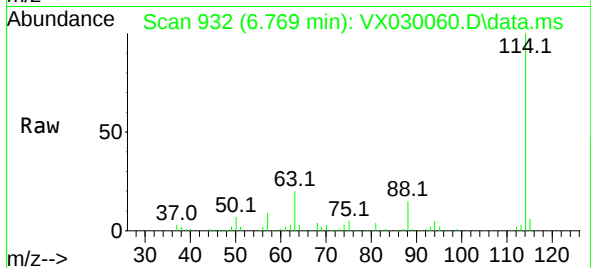
Tgt Ion:114 Resp: 145618

Ion Ratio Lower Upper

114 100

63 19.1 15.3 22.9

88 15.2 12.2 18.4



#56

Bromoform

Concen: 0.371 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.287 min

Lab File: VX030060.D

Acq: 14 Jul 2022 14:45

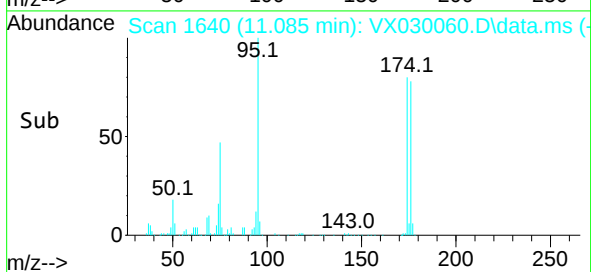
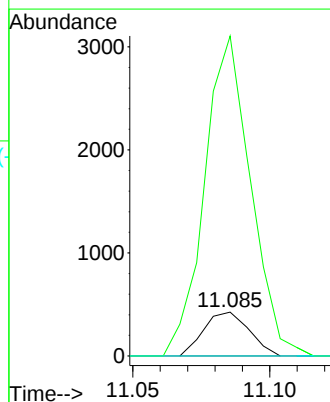
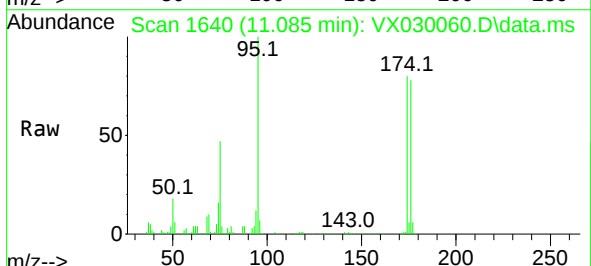
Tgt Ion:173 Resp: 492

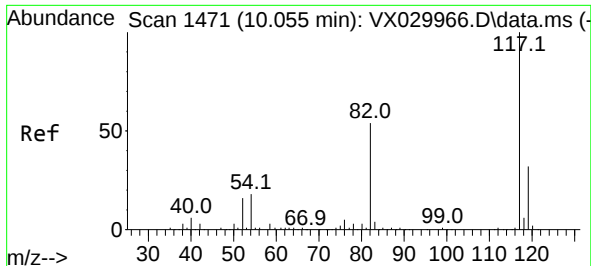
Ion Ratio Lower Upper

173 100

175 740.0 40.3 60.5#

254 0.0 7.4 11.2#

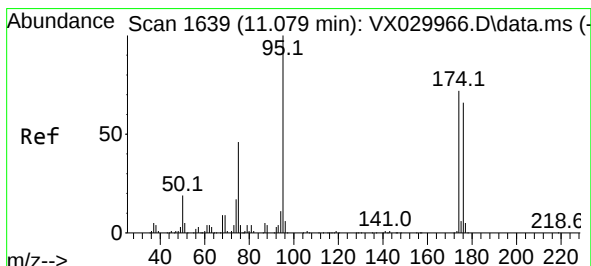
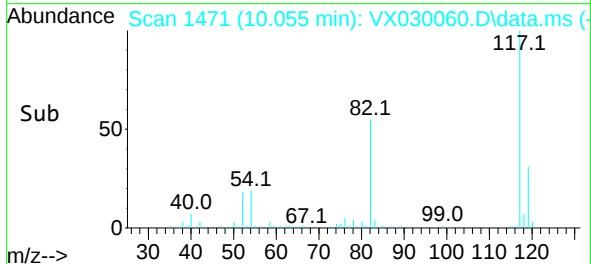
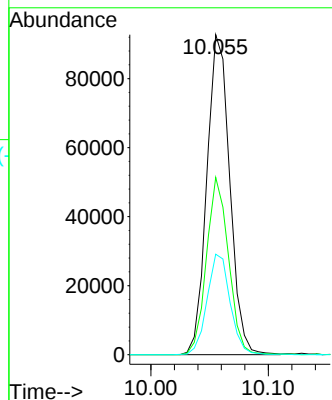
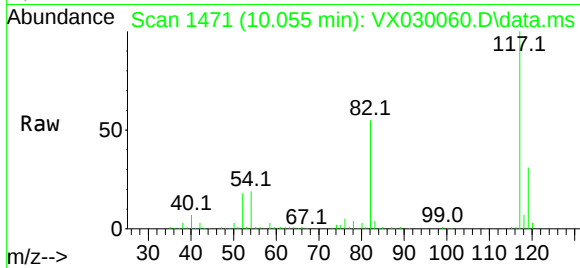




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX030060.D  
Acq: 14 Jul 2022 14:45

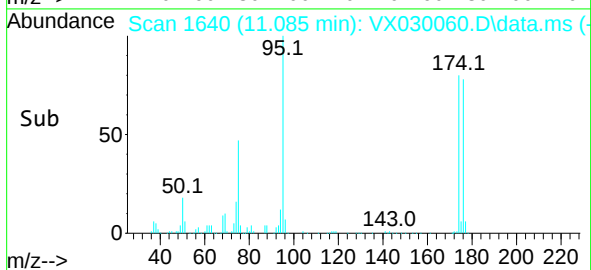
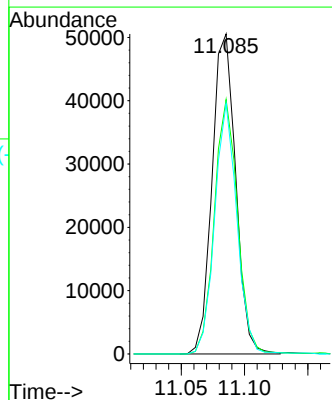
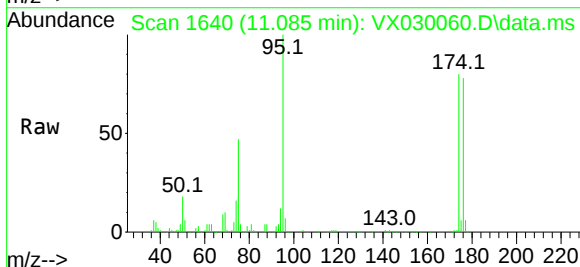
Instrument :  
MSVOA\_X  
ClientSampleId :  
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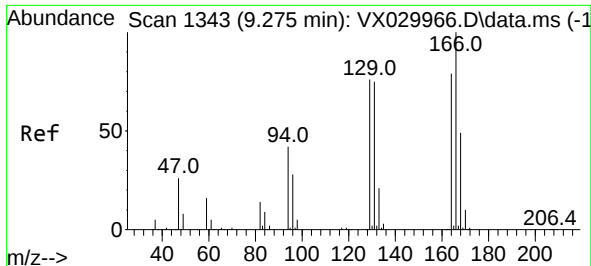
Tgt Ion:117 Resp: 125798  
Ion Ratio Lower Upper  
117 100  
82 53.3 42.3 63.5  
119 31.4 26.2 39.2



#60  
4-Bromofluorobenzene  
Concen: 27.605 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.006 min  
Lab File: VX030060.D  
Acq: 14 Jul 2022 14:45

Tgt Ion: 95 Resp: 65445  
Ion Ratio Lower Upper  
95 100  
174 78.2 65.4 98.2  
176 73.7 63.4 95.0

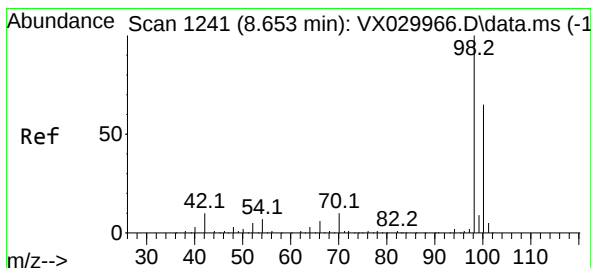
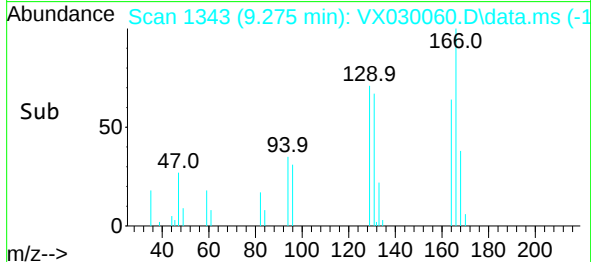
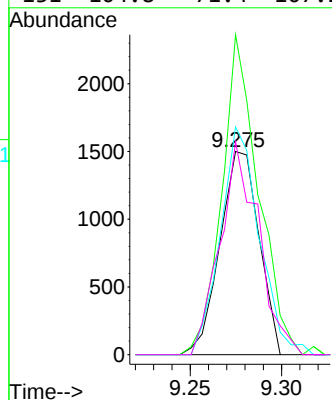
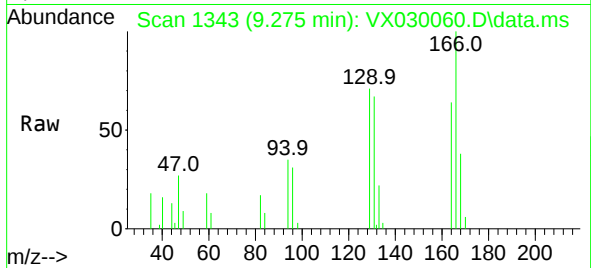




#61  
Tetrachloroethene  
Concen: 1.182 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX030060.D  
Acq: 14 Jul 2022 14:45

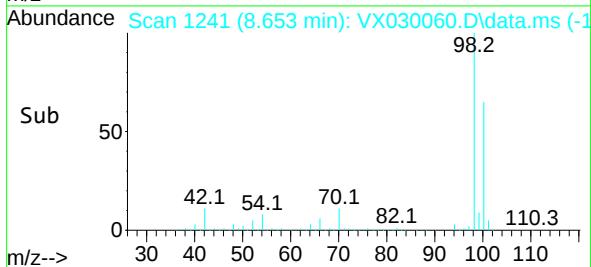
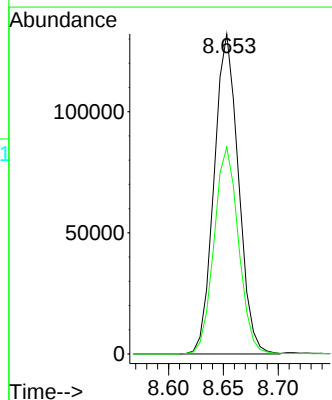
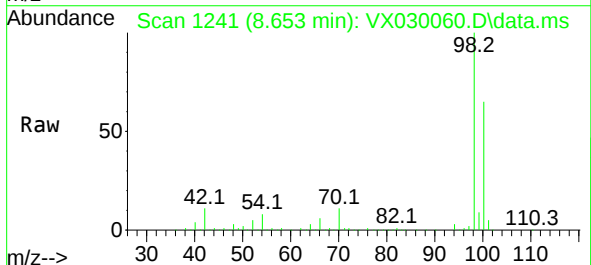
Instrument :  
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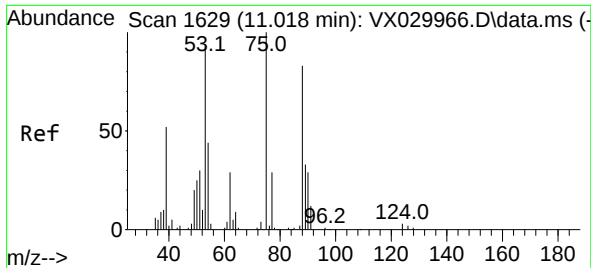
Tgt Ion:164 Resp: 2233  
Ion Ratio Lower Upper  
164 100  
166 157.5 105.0 157.6  
129 112.1 78.5 117.7  
131 104.8 71.4 107.2



#63  
Toluene-d8  
Concen: 29.943 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX030060.D  
Acq: 14 Jul 2022 14:45

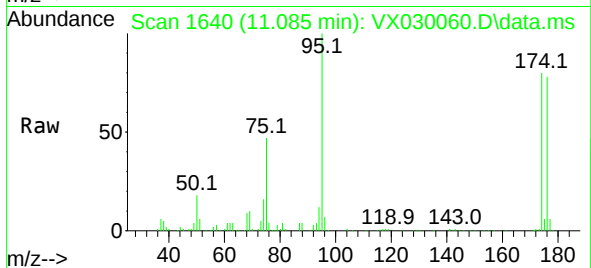
Tgt Ion: 98 Resp: 204252  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.4 77.2





#77  
 t-1,4-Dichloro-2-butene  
 Concen: 32.091 ug/l  
 RT: 11.085 min Scan# 10  
 Delta R.T. 0.067 min  
 Lab File: VX030060.D  
 Acq: 14 Jul 2022 14:45

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 31217  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.2   | 59.7  | 179.1# |
| 89       | 0.0   | 23.1  | 69.2#  |

