

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062424\  
 Data File : VX042013.D  
 Acq On : 24 Jun 2024 18:37  
 Operator : JC/MD  
 Sample : P3024-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 240620102-01

Quant Time: Jun 25 06:46:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X061424W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Jun 15 04:02:59 2024  
 Response via : Initial Calibration

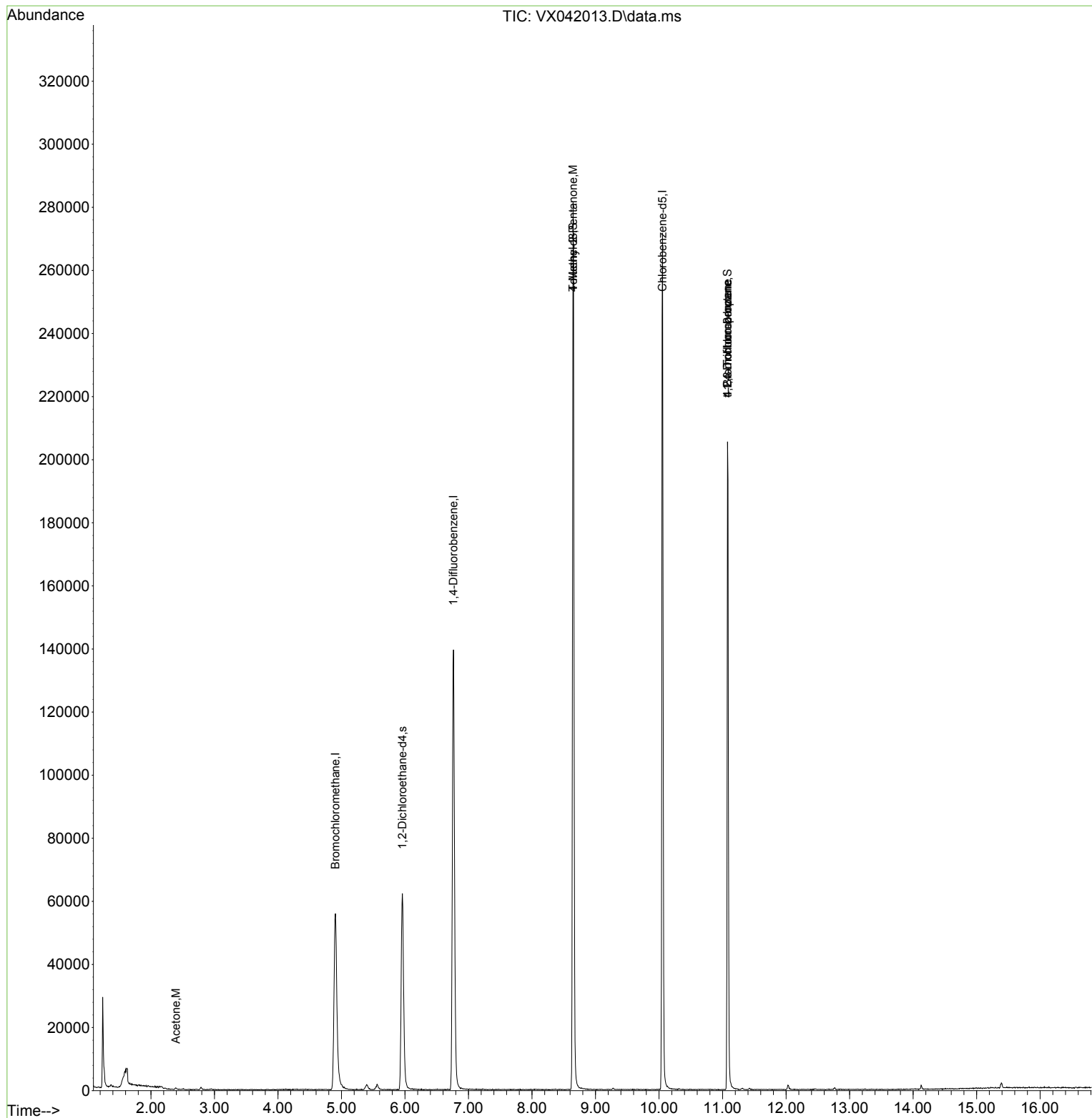
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 4.903  | 128   | 29034    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 6.763  | 114   | 154754   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 10.055 | 117   | 138435   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 5.958  | 65    | 59574    | 29.807   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 99.367%  |
| 60) 4-Bromofluorobenzene    | 11.079 | 95    | 56636    | 26.430   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 88.100%  |
| 63) Toluene-d8              | 8.647  | 98    | 174431   | 29.451   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 98.167%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 15) Acetone                 | 2.392  | 58    | 101      | 0.329    | ug/l # | 5        |
| 58) 4-Methyl-2-Pentanone    | 8.647  | 43    | 652      | 0.263    | ug/l # | 1        |
| 72) 1,2,3-Trichloropropane  | 11.079 | 75    | 25575    | 11.814   | ug/l   | 38       |
| 77) t-1,4-Dichloro-2-butene | 11.079 | 75    | 25575    | 31.937   | ug/l # | 7        |
| -----                       |        |       |          |          |        |          |

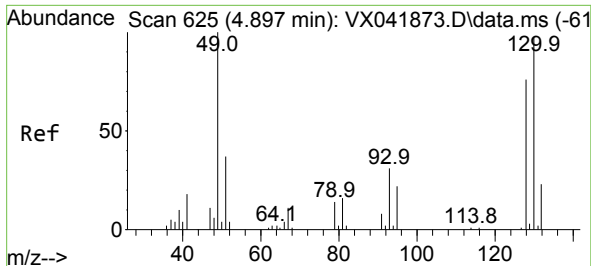
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
240620102-01

Quant Time: Jun 25 06:46:26 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X061424W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Jun 15 04:02:59 2024  
Response via : Initial Calibration

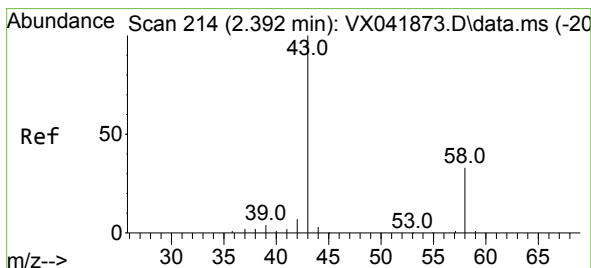
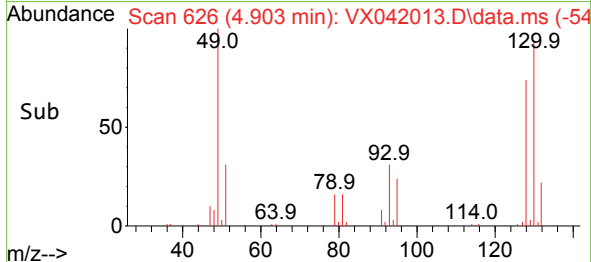
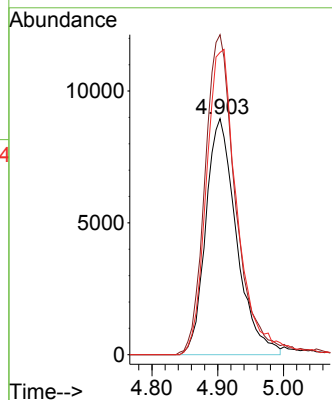
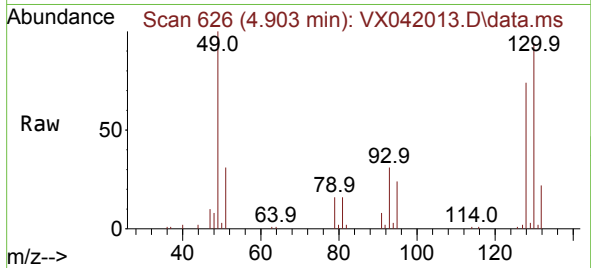




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.903 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX042013.D  
Acq: 24 Jun 2024 18:37

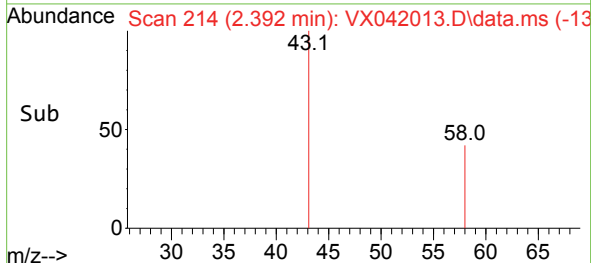
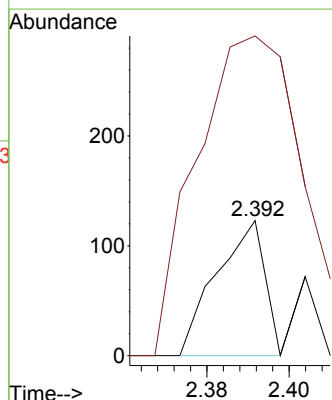
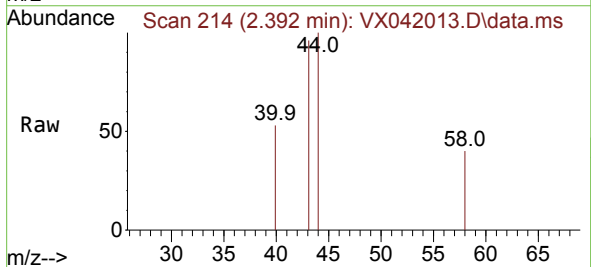
Instrument :  
MSVOA\_X  
ClientSampleId :  
240620102-01

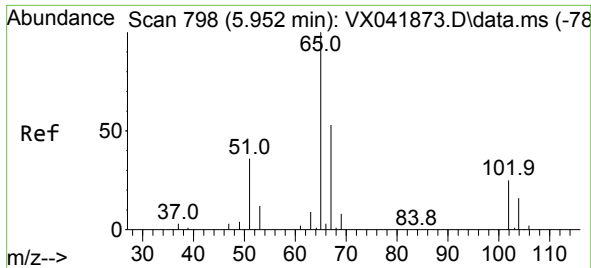
Tgt Ion:128 Resp: 29034  
Ion Ratio Lower Upper  
128 100  
49 136.0 0.0 338.5  
130 126.2 0.0 324.5



#15  
Acetone  
Concen: 0.329 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX042013.D  
Acq: 24 Jun 2024 18:37

Tgt Ion: 58 Resp: 101  
Ion Ratio Lower Upper  
58 100  
43 115.4 243.4 365.2#

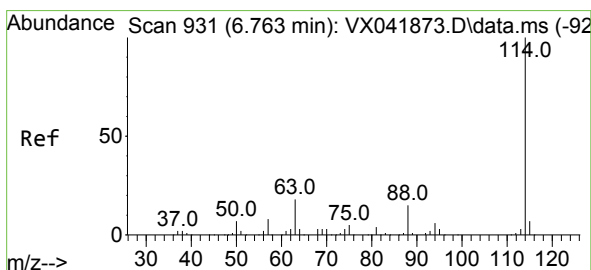
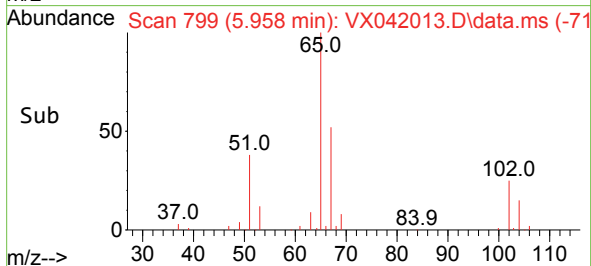
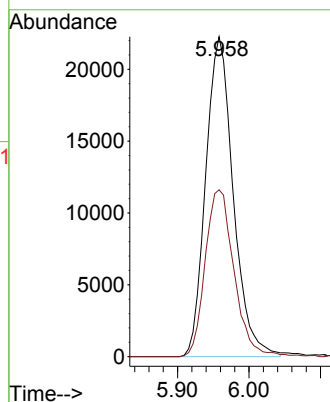
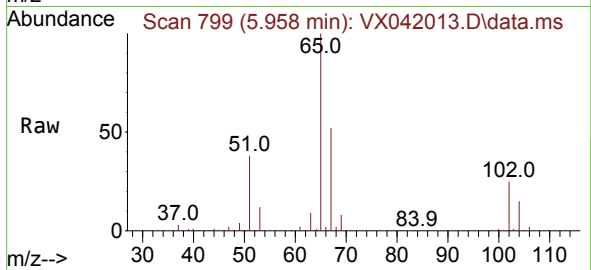




#27  
1,2-Dichloroethane-d4  
Concen: 29.807 ug/l  
RT: 5.958 min Scan# 798  
Delta R.T. 0.006 min  
Lab File: VX042013.D  
Acq: 24 Jun 2024 18:37

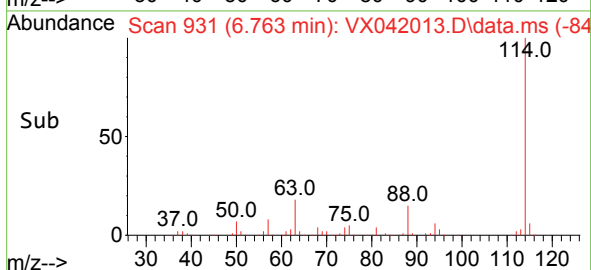
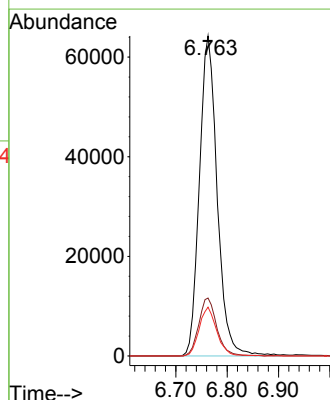
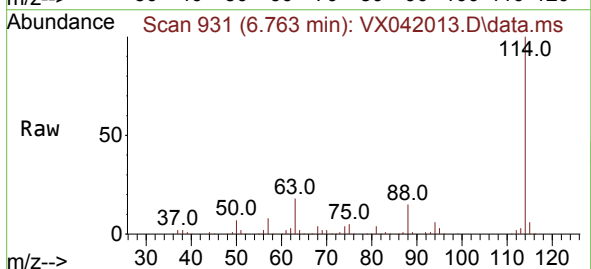
Instrument :  
MSVOA\_X  
ClientSampleId :  
240620102-01

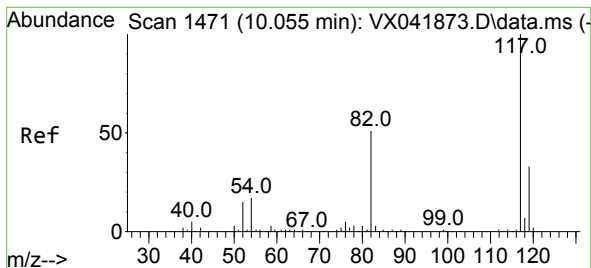
Tgt Ion: 65 Resp: 59574  
Ion Ratio Lower Upper  
65 100  
67 54.4 43.4 65.0



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. -0.000 min  
Lab File: VX042013.D  
Acq: 24 Jun 2024 18:37

Tgt Ion: 114 Resp: 154754  
Ion Ratio Lower Upper  
114 100  
63 18.1 14.6 21.8  
88 15.0 11.8 17.8

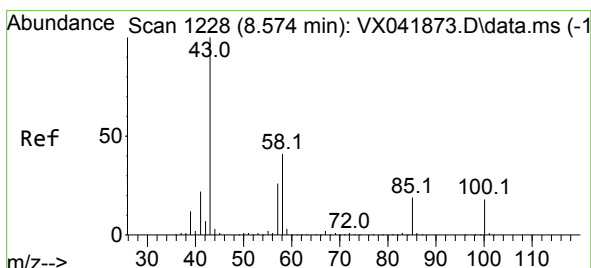
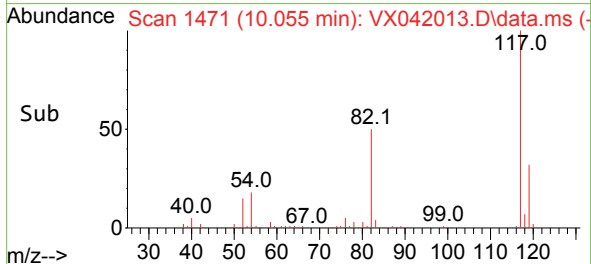
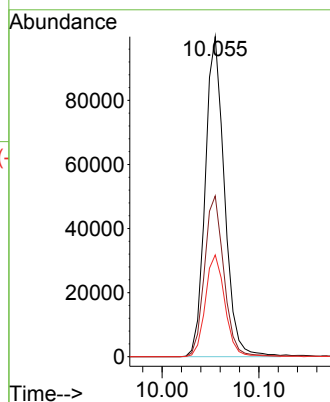
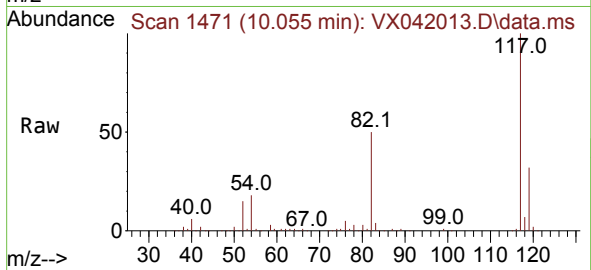




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX042013.D  
Acq: 24 Jun 2024 18:37

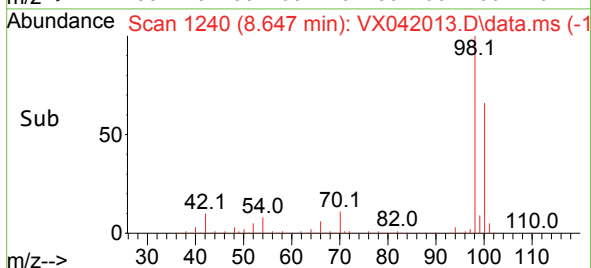
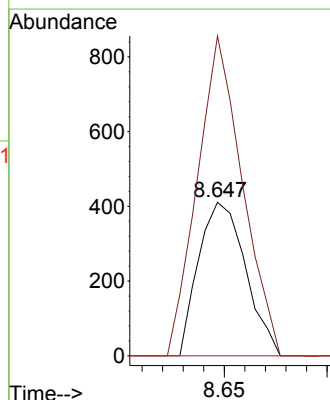
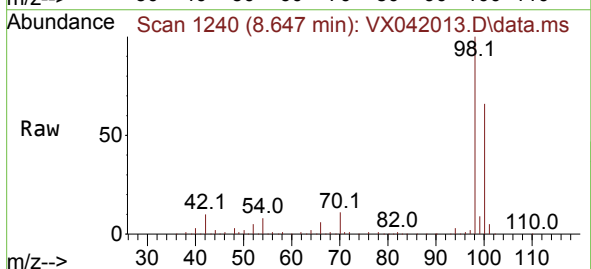
Instrument :  
MSVOA\_X  
ClientSampleId :  
240620102-01

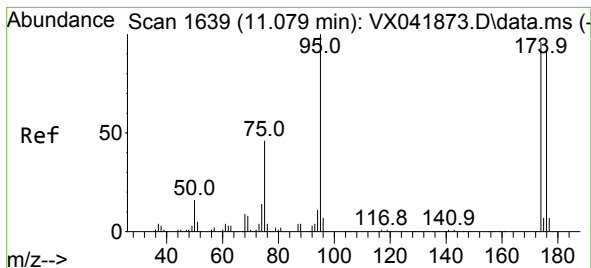
Tgt Ion:117 Resp: 138435  
Ion Ratio Lower Upper  
117 100  
82 51.0 41.1 61.7  
119 32.3 26.1 39.1



#58  
4-Methyl-2-Pentanone  
Concen: 0.263 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX042013.D  
Acq: 24 Jun 2024 18:37

Tgt Ion: 43 Resp: 652  
Ion Ratio Lower Upper  
43 100  
58 200.0 33.2 49.8#  
85 0.0 15.5 23.3#

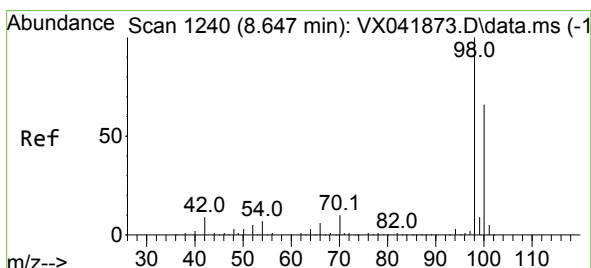
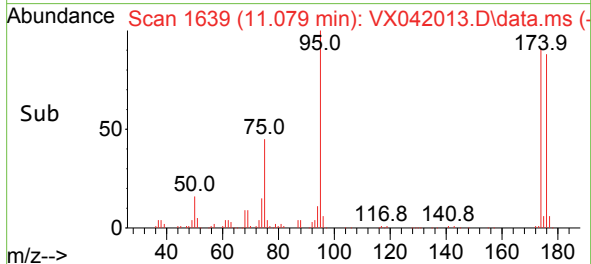
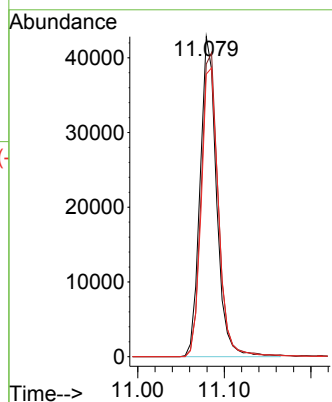
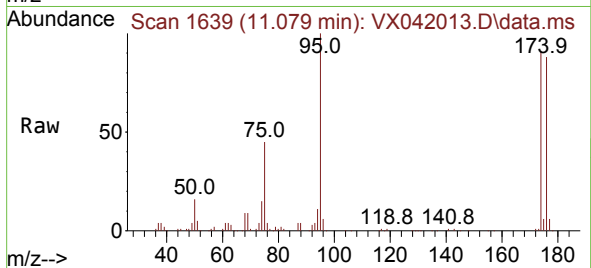




#60  
4-Bromofluorobenzene  
Concen: 26.430 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX042013.D  
Acq: 24 Jun 2024 18:37

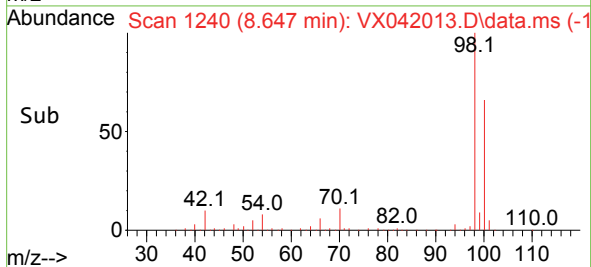
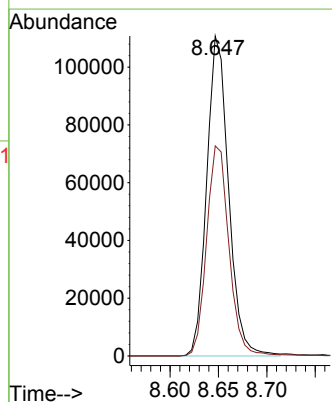
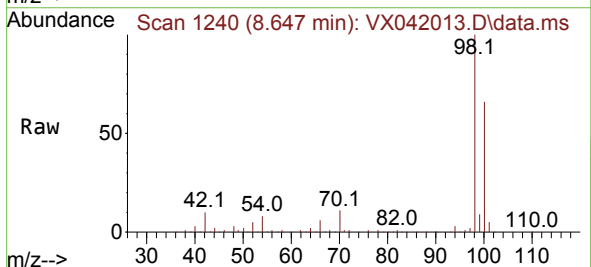
Instrument :  
MSVOA\_X  
ClientSampleId :  
240620102-01

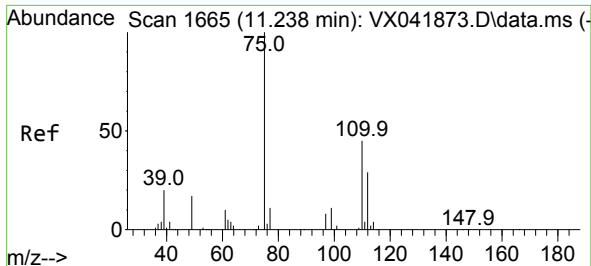
Tgt Ion: 95 Resp: 56636  
Ion Ratio Lower Upper  
95 100  
174 98.4 78.9 118.3  
176 94.0 77.1 115.7



#63  
Toluene-d8  
Concen: 29.451 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX042013.D  
Acq: 24 Jun 2024 18:37

Tgt Ion: 98 Resp: 174431  
Ion Ratio Lower Upper  
98 100  
100 67.3 52.7 79.1

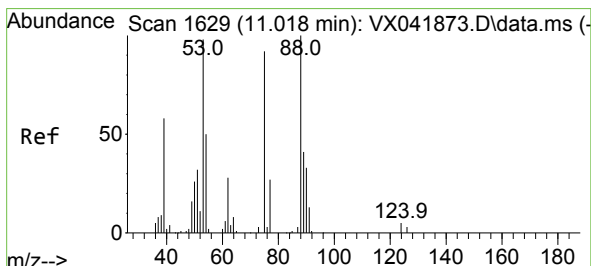
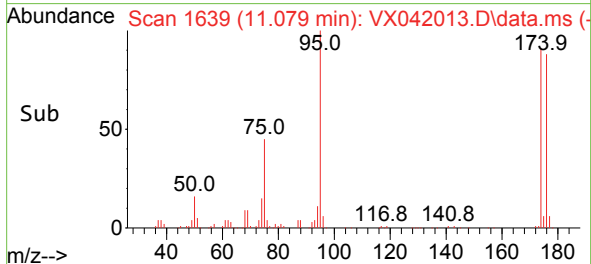
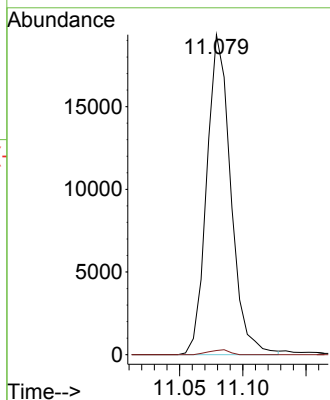
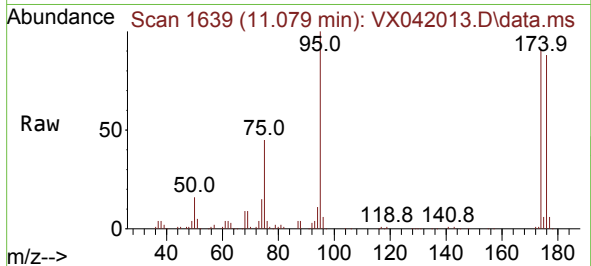




#72  
1,2,3-Trichloropropane  
Concen: 11.814 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX042013.D  
Acq: 24 Jun 2024 18:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
240620102-01

Tgt Ion: 75 Resp: 25575  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 79.6



#77  
t-1,4-Dichloro-2-butene  
Concen: 31.937 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX042013.D  
Acq: 24 Jun 2024 18:37

Tgt Ion: 75 Resp: 25575  
Ion Ratio Lower Upper  
75 100  
53 0.0 53.4 160.2#  
89 0.0 22.5 67.5#

