

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061521\  
 Data File : VX022706.D  
 Acq On : 15 Jun 2021 18:08  
 Operator : JC/MD  
 Sample : M2712-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP-1

Quant Time: Jun 16 05:27:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061021W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 12:20:00 2021  
 Response via : Initial Calibration

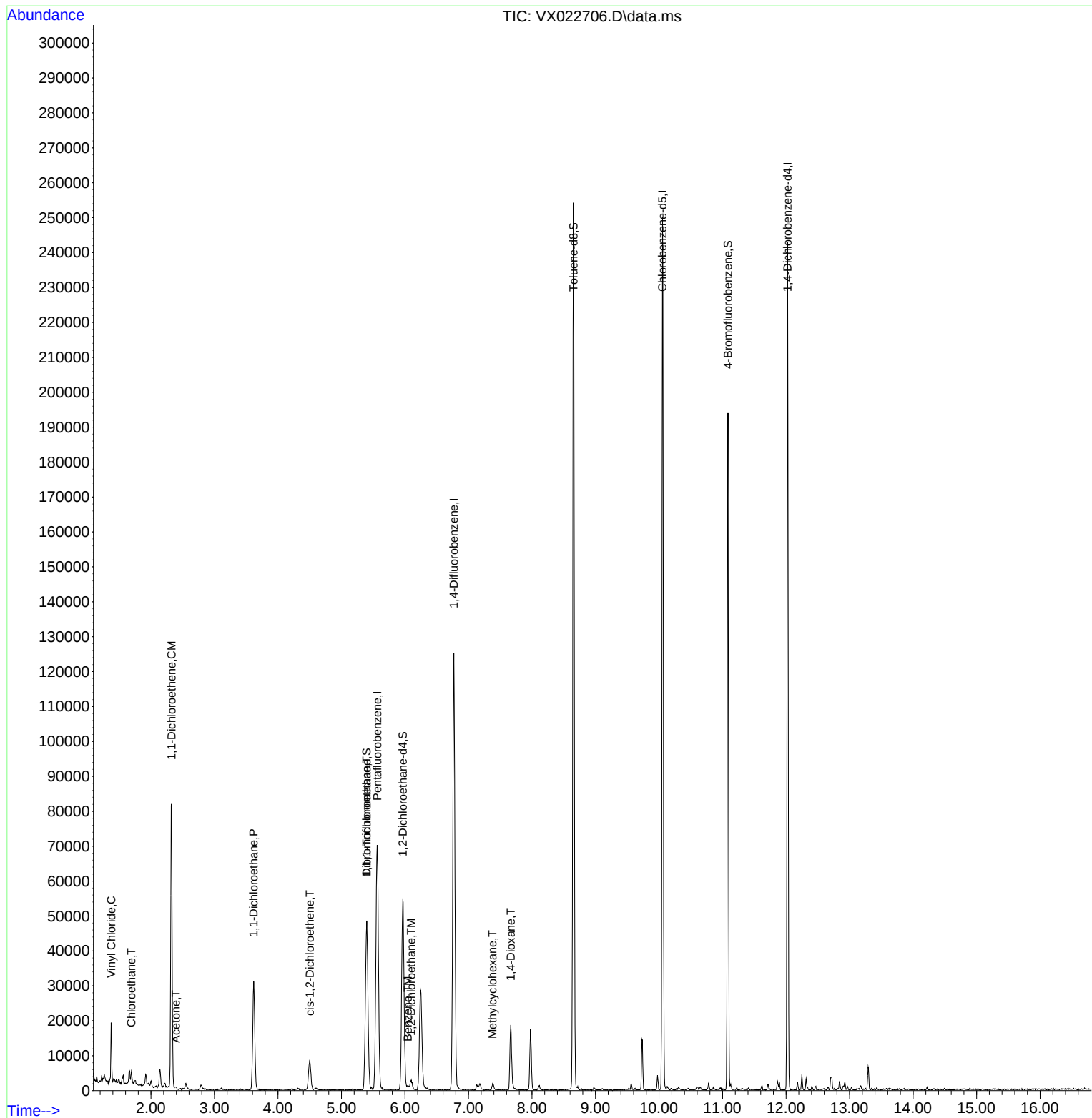
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.562  | 168   | 59974    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.769  | 114   | 118798   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 106372   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 41653    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 50299    | 46.633   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 93.260%  |
| 35) Dibromofluoromethane    | 5.397  | 113   | 35870    | 47.324   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 94.640%  |
| 50) Toluene-d8              | 8.653  | 98    | 144176   | 48.253   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 96.500%  |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 51279    | 45.378   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 90.760%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 4) Vinyl Chloride           | 1.374  | 62    | 9211     | 11.023   | ug/l   | 99       |
| 6) Chloroethane             | 1.691  | 64    | 2041     | 4.034    | ug/l   | 97       |
| 12) 1,1-Dichloroethene      | 2.325  | 96    | 25333    | 34.792   | ug/l   | 95       |
| 16) Acetone                 | 2.392  | 43    | 815      | 1.687    | ug/l # | 83       |
| 24) 1,1-Dichloroethane      | 3.617  | 63    | 32210    | 19.924   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene  | 4.501  | 96    | 4981     | 5.067    | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane   | 5.397  | 97    | 5056     | 4.536    | ug/l   | 96       |
| 39) Methylcyclohexane       | 7.379  | 83    | 858      | 0.695    | ug/l # | 88       |
| 40) Benzene                 | 6.044  | 78    | 1397     | 0.397    | ug/l # | 90       |
| 42) 1,2-Dichloroethane      | 6.099  | 62    | 2977     | 2.298    | ug/l   | 88       |
| 49) 1,4-Dioxane             | 7.665  | 88    | 13666    | 629.523  | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

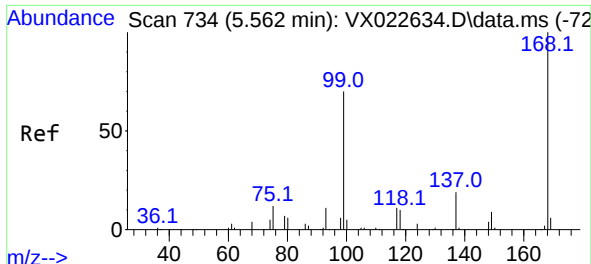
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061521\  
Data File : VX022706.D  
Acq On : 15 Jun 2021 18:08  
Operator : JC/MD  
Sample : M2712-05  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP-1

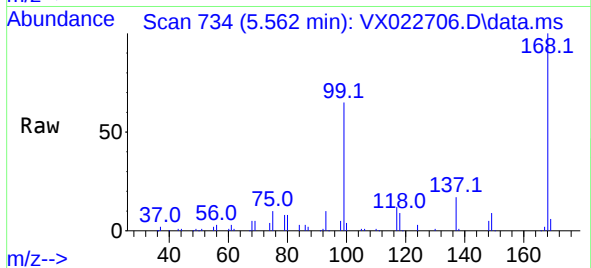
Quant Time: Jun 16 05:27:19 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061021W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 10 12:20:00 2021  
Response via : Initial Calibration



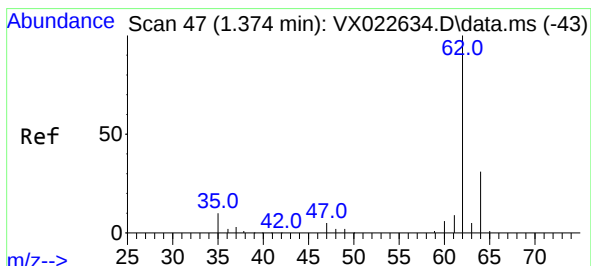
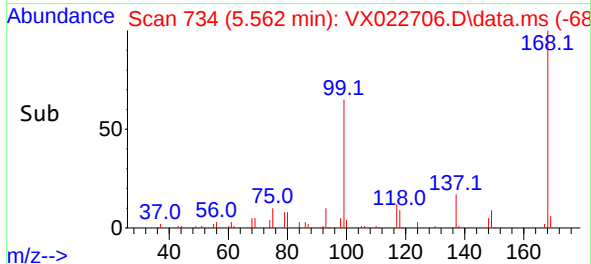
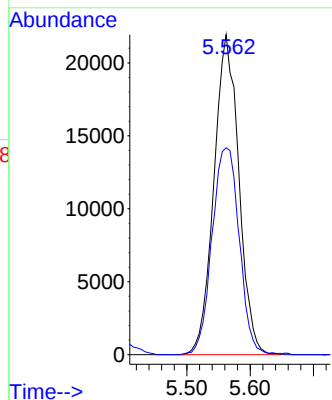


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX022706.D  
Acq: 15 Jun 2021 18:08

Instrument :  
MSVOA\_X  
ClientSampled :  
DUP-1

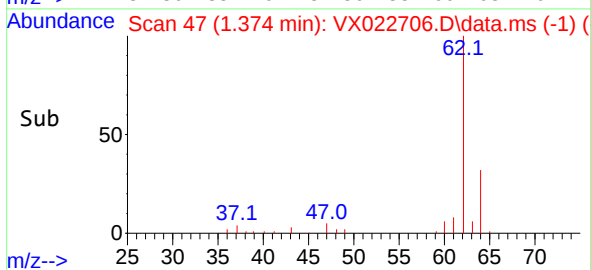
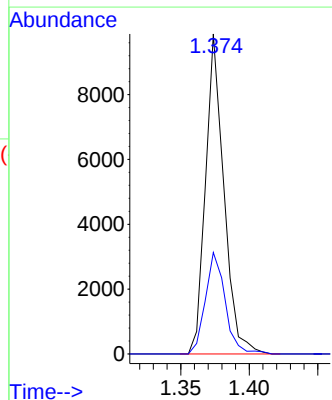
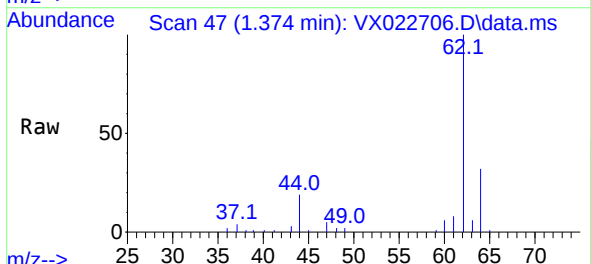


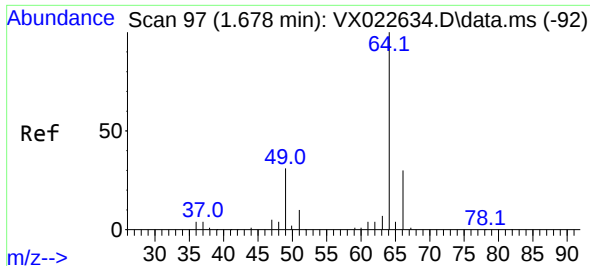
Tgt Ion:168 Resp: 59974  
Ion Ratio Lower Upper  
168 100  
99 64.7 45.8 68.6



#4  
Vinyl Chloride  
Concen: 11.023 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX022706.D  
Acq: 15 Jun 2021 18:08

Tgt Ion: 62 Resp: 9211  
Ion Ratio Lower Upper  
62 100  
64 31.7 25.7 38.5

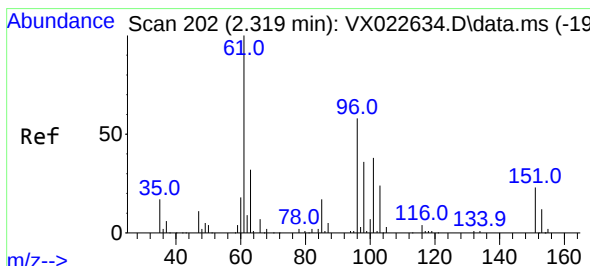
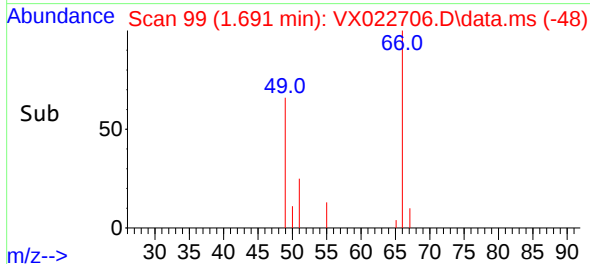
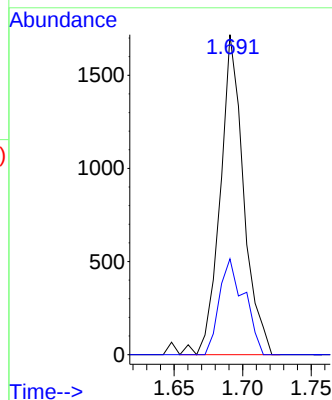
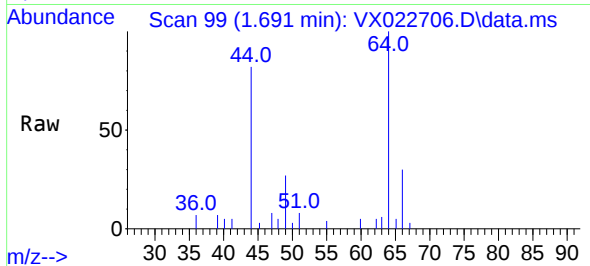




#6  
Chloroethane  
Concen: 4.034 ug/l  
RT: 1.691 min Scan# 99  
Delta R.T. 0.012 min  
Lab File: VX022706.D  
Acq: 15 Jun 2021 18:08

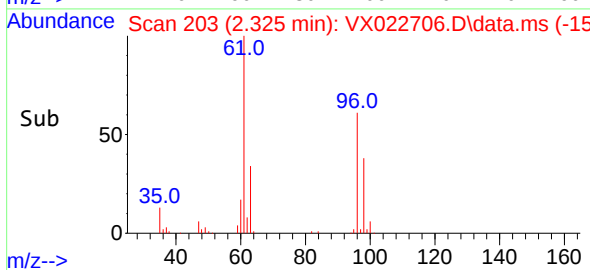
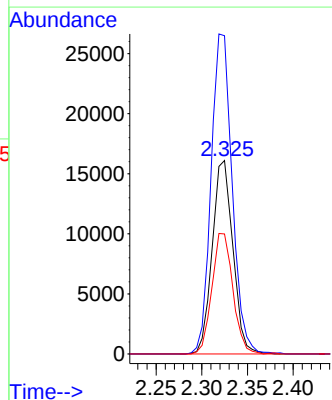
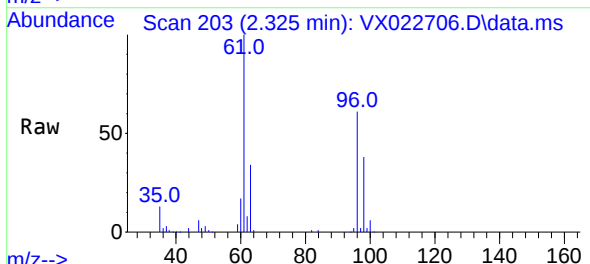
Instrument :  
MSVOA\_X  
ClientSampled :  
DUP-1

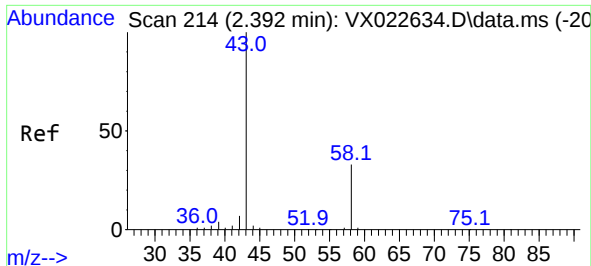
Tgt Ion: 64 Resp: 2041  
Ion Ratio Lower Upper  
64 100  
66 29.9 25.4 38.0



#12  
1,1-Dichloroethene  
Concen: 34.792 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.006 min  
Lab File: VX022706.D  
Acq: 15 Jun 2021 18:08

Tgt Ion: 96 Resp: 25333  
Ion Ratio Lower Upper  
96 100  
61 164.5 124.6 187.0  
98 62.0 50.6 76.0

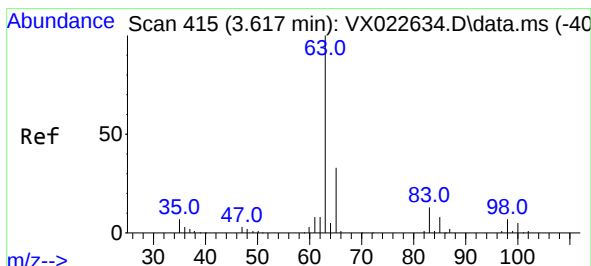
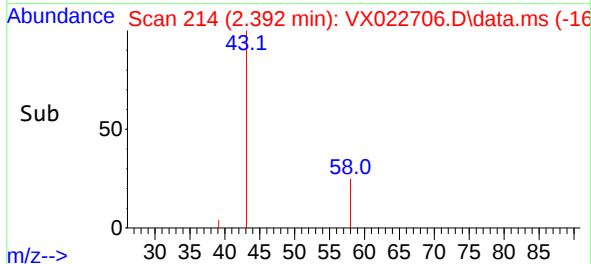
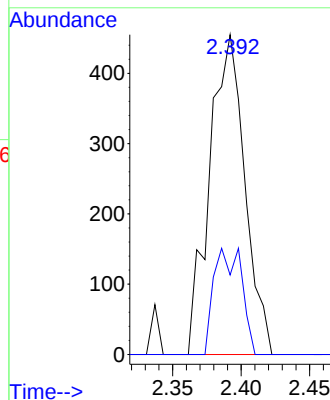
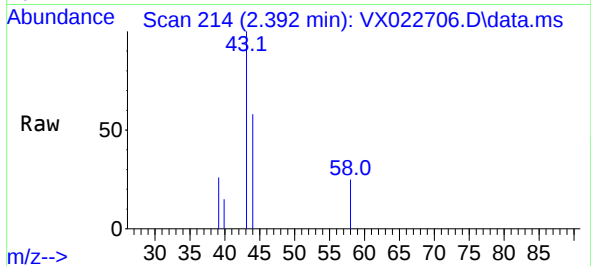




#16  
Acetone  
Concen: 1.687 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX022706.D  
Acq: 15 Jun 2021 18:08

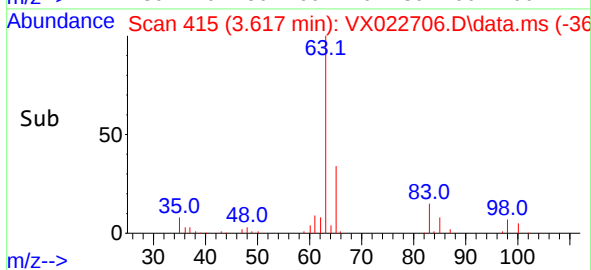
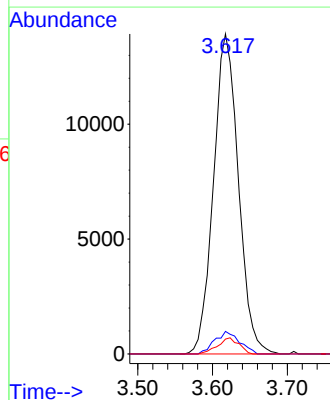
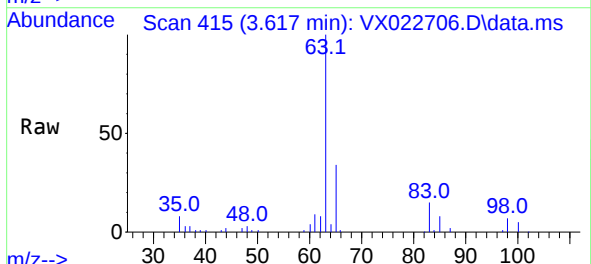
Instrument :  
MSVOA\_X  
ClientSampled :  
DUP-1

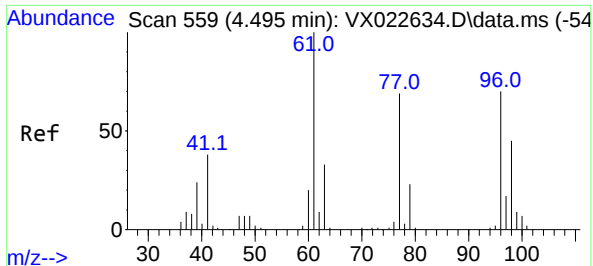
Tgt Ion: 43 Resp: 815  
Ion Ratio Lower Upper  
43 100  
58 24.8 27.8 41.8#



#24  
1,1-Dichloroethane  
Concen: 19.924 ug/l  
RT: 3.617 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VX022706.D  
Acq: 15 Jun 2021 18:08

Tgt Ion: 63 Resp: 32210  
Ion Ratio Lower Upper  
63 100  
98 7.0 3.8 11.2  
100 4.7 2.5 7.5





#27

cis-1,2-Dichloroethene

Concen: 5.067 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX022706.D

Acq: 15 Jun 2021 18:08

Instrument :

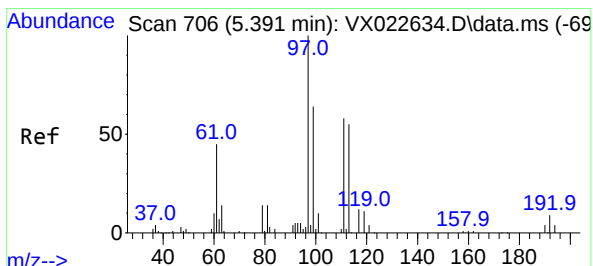
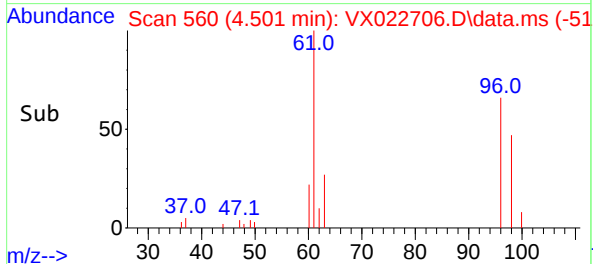
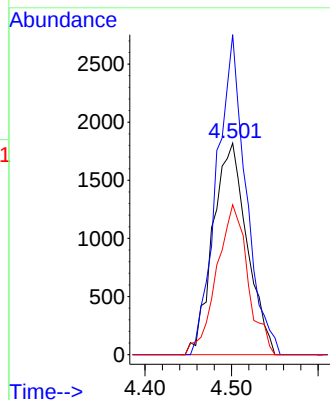
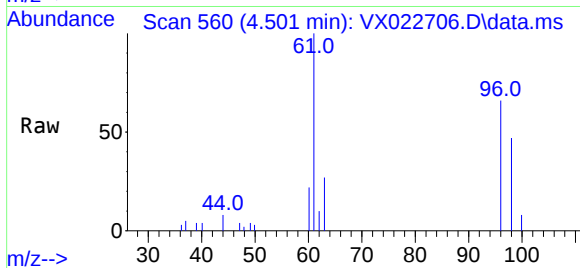
MSVOA\_X

ClientSampled :

DUP-1

Tgt Ion: 96 Resp: 4981

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 129.7 | 0.0   | 285.6 |
| 98  | 65.0  | 0.0   | 129.6 |



#32

1,1,1-Trichloroethane

Concen: 4.536 ug/l

RT: 5.397 min Scan# 707

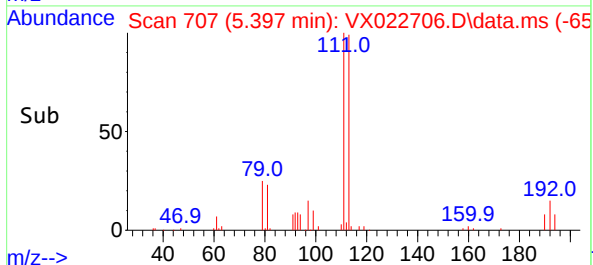
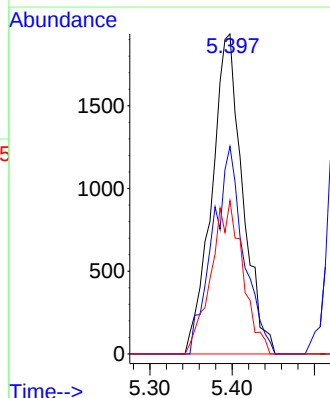
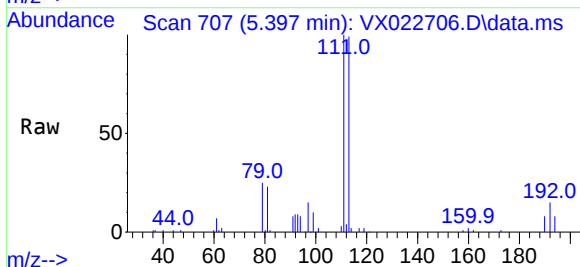
Delta R.T. 0.006 min

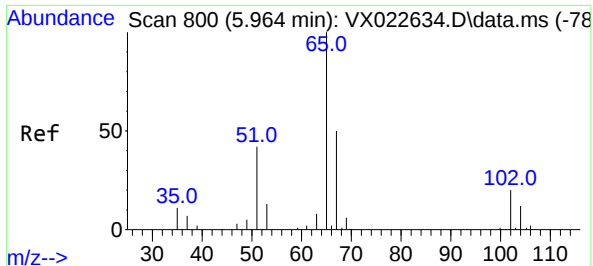
Lab File: VX022706.D

Acq: 15 Jun 2021 18:08

Tgt Ion: 97 Resp: 5056

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 65.2  | 51.5  | 77.3  |
| 61  | 49.0  | 34.2  | 51.4  |



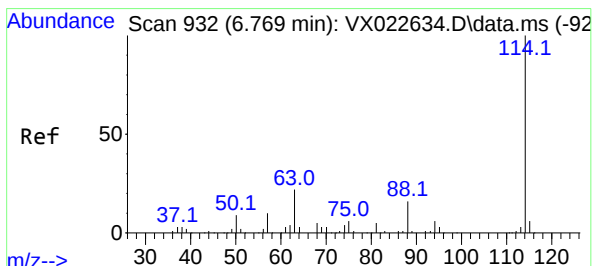
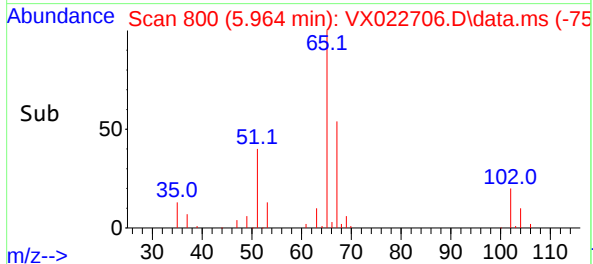
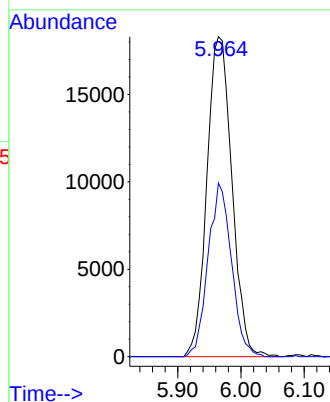
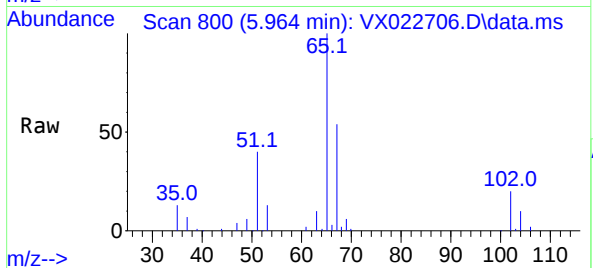


#33

1,2-Dichloroethane-d4  
Concen: 46.633 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX022706.D  
Acq: 15 Jun 2021 18:08

Instrument :  
MSVOA\_X  
ClientSampled :  
DUP-1

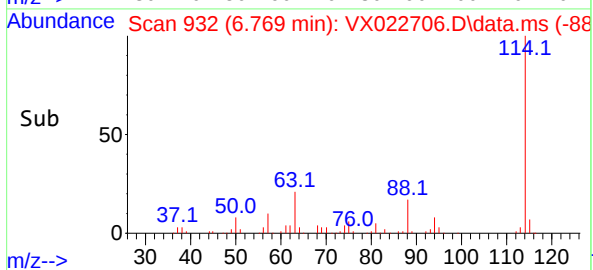
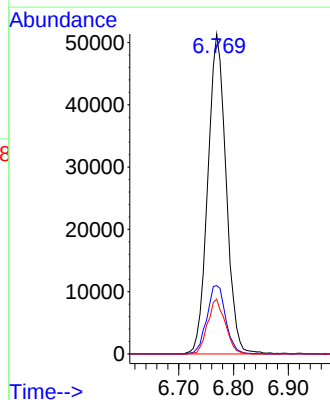
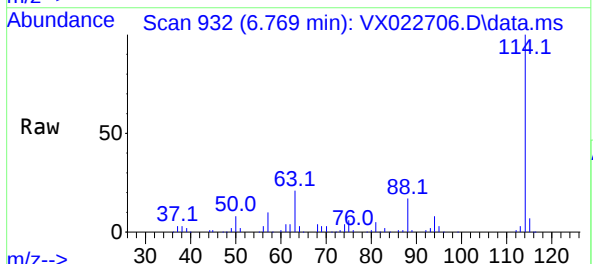
Tgt Ion: 65 Resp: 50299  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 105.4

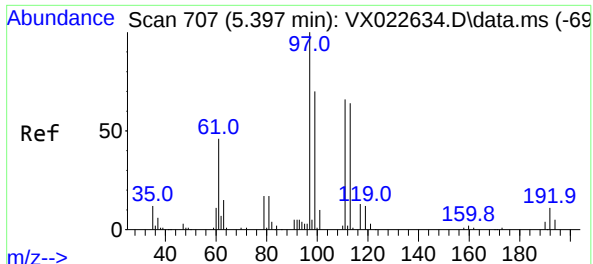


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX022706.D  
Acq: 15 Jun 2021 18:08

Tgt Ion: 114 Resp: 118798  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 40.8  
88 17.2 0.0 32.8

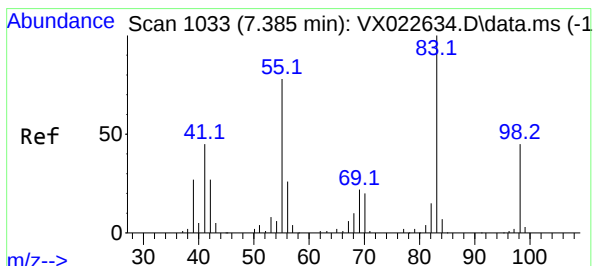
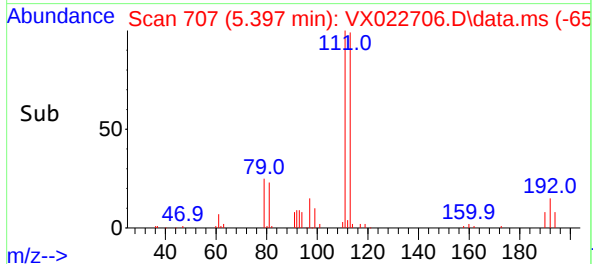
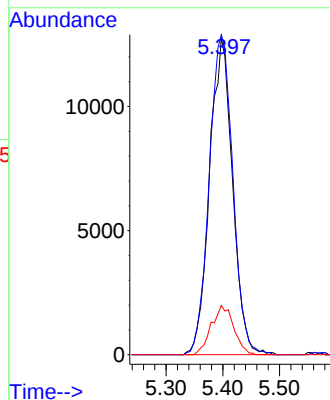
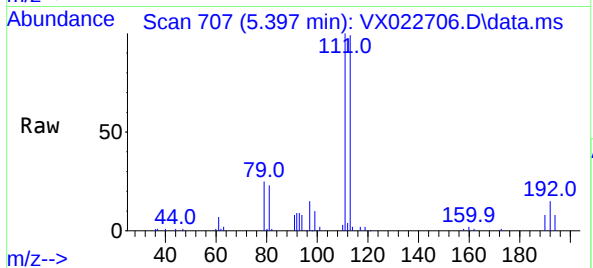




#35  
Dibromofluoromethane  
Concen: 47.324 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.006 min  
Lab File: VX022706.D  
Acq: 15 Jun 2021 18:08

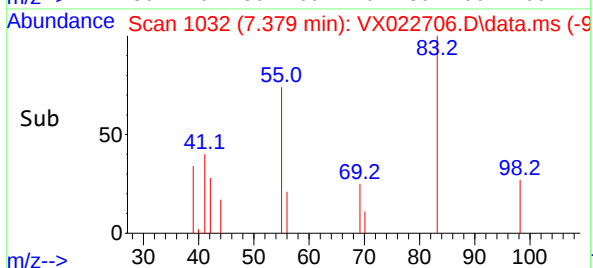
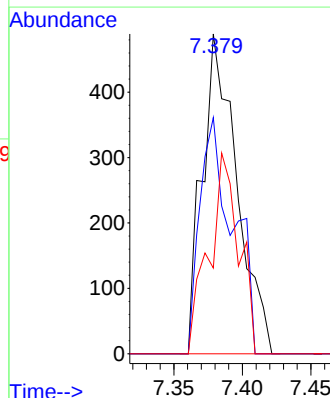
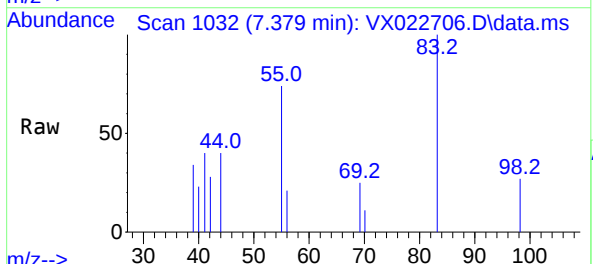
Instrument :  
MSVOA\_X  
ClientSampled :  
DUP-1

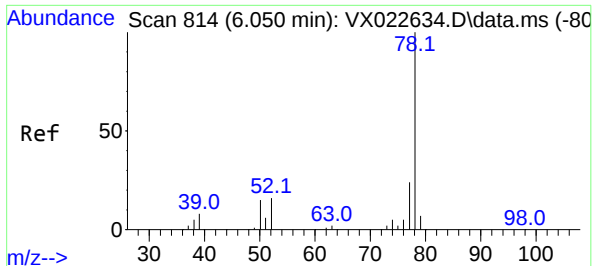
Tgt Ion:113 Resp: 35870  
Ion Ratio Lower Upper  
113 100  
111 103.8 81.9 122.9  
192 15.2 16.7 25.1#



#39  
Methylcyclohexane  
Concen: 0.695 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. -0.006 min  
Lab File: VX022706.D  
Acq: 15 Jun 2021 18:08

Tgt Ion: 83 Resp: 858  
Ion Ratio Lower Upper  
83 100  
55 73.8 58.9 88.3  
98 26.8 38.1 57.1#

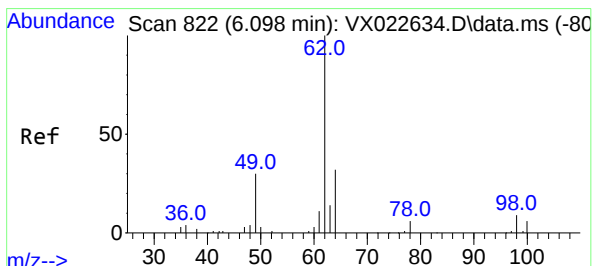
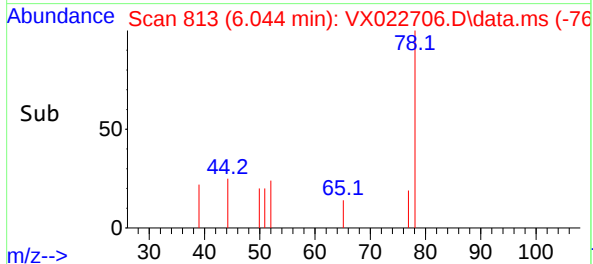
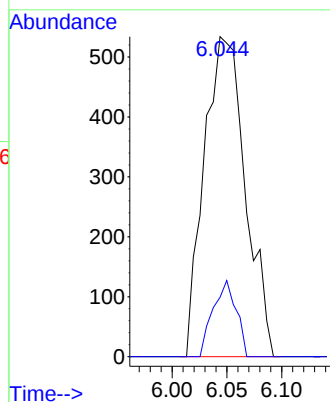
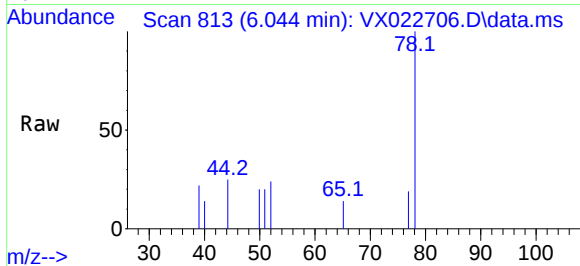




#40  
Benzene  
Concen: 0.397 ug/l  
RT: 6.044 min Scan# 813  
Delta R.T. -0.006 min  
Lab File: VX022706.D  
Acq: 15 Jun 2021 18:08

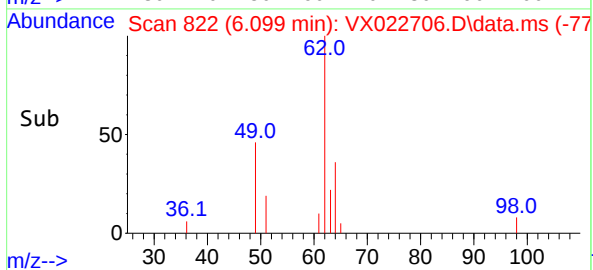
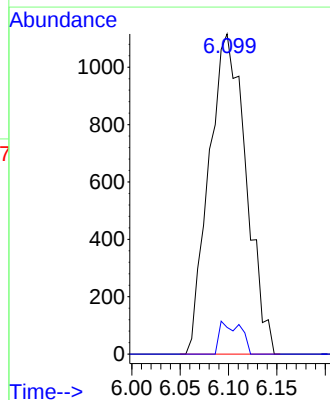
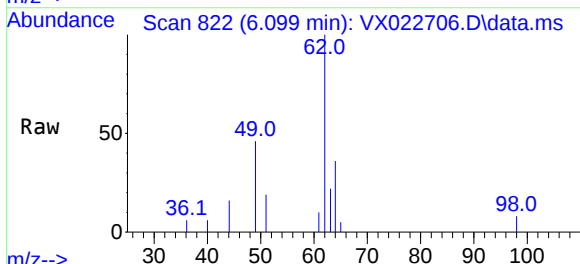
Instrument :  
MSVOA\_X  
ClientSampled :  
DUP-1

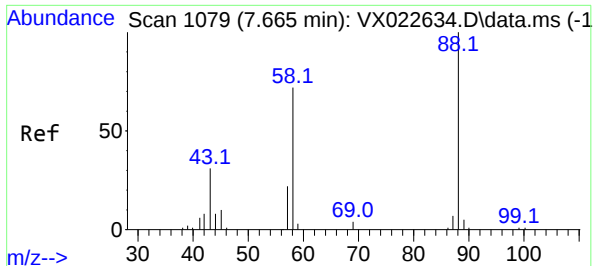
Tgt Ion: 78 Resp: 1397  
Ion Ratio Lower Upper  
78 100  
77 18.5 18.9 28.3#



#42  
1,2-Dichloroethane  
Concen: 2.298 ug/l  
RT: 6.099 min Scan# 822  
Delta R.T. 0.001 min  
Lab File: VX022706.D  
Acq: 15 Jun 2021 18:08

Tgt Ion: 62 Resp: 2977  
Ion Ratio Lower Upper  
62 100  
98 5.7 0.0 20.2





#49

1,4-Dioxane

Concen: 629.523 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX022706.D

Acq: 15 Jun 2021 18:08

Tgt Ion: 88 Resp: 13666

Ion Ratio Lower Upper

88 100

43 30.0 23.2 34.8

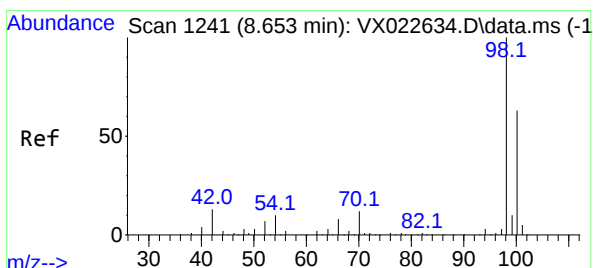
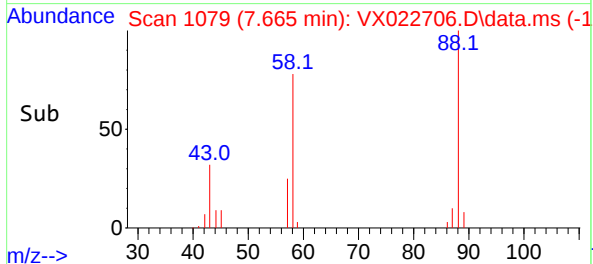
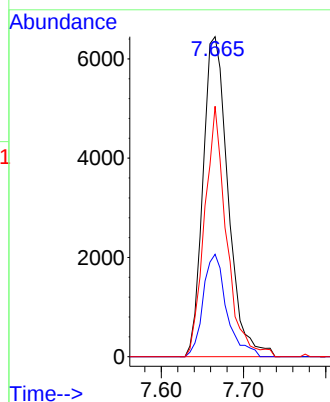
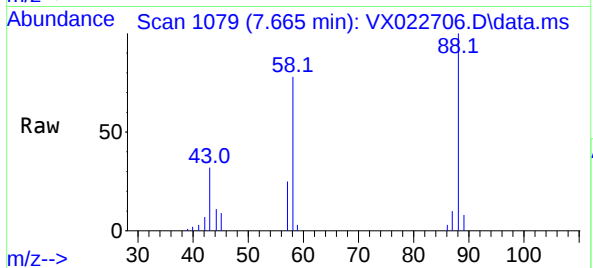
58 68.6 55.0 82.4

Instrument :

MSVOA\_X

ClientSampled :

DUP-1



#50

Toluene-d8

Concen: 48.253 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX022706.D

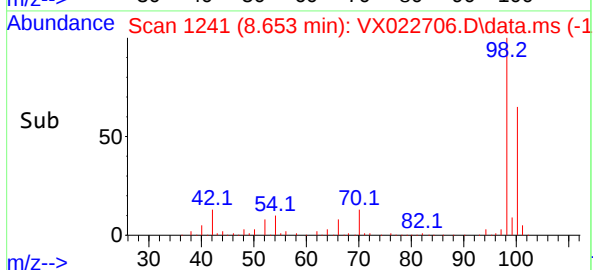
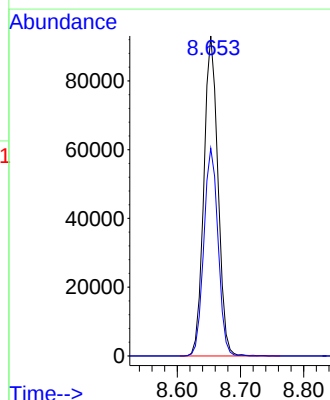
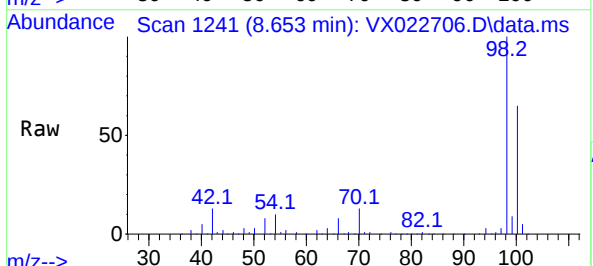
Acq: 15 Jun 2021 18:08

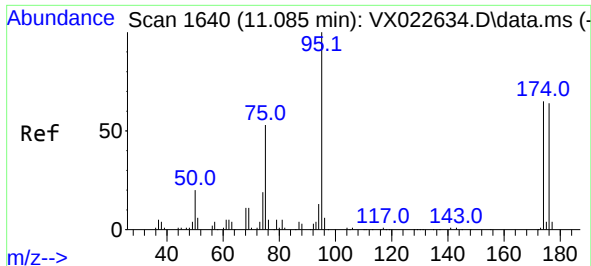
Tgt Ion: 98 Resp: 144176

Ion Ratio Lower Upper

98 100

100 65.6 51.9 77.9

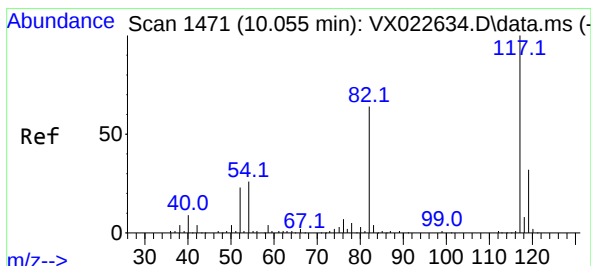
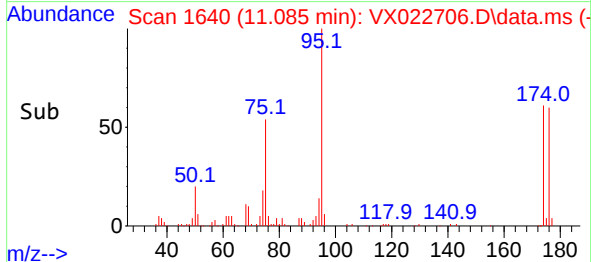
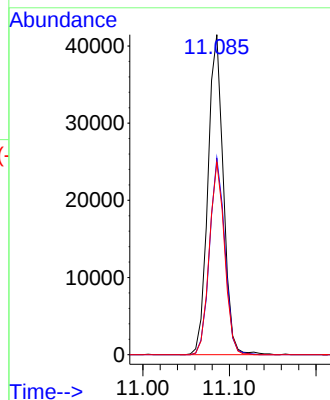
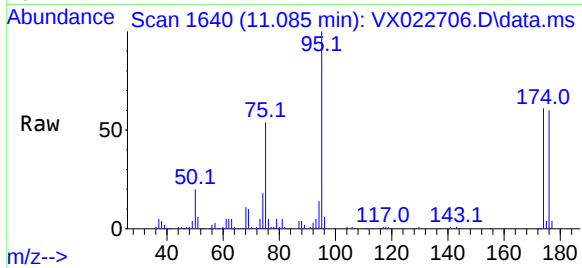




#62  
4-Bromofluorobenzene  
Concen: 45.378 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022706.D  
Acq: 15 Jun 2021 18:08

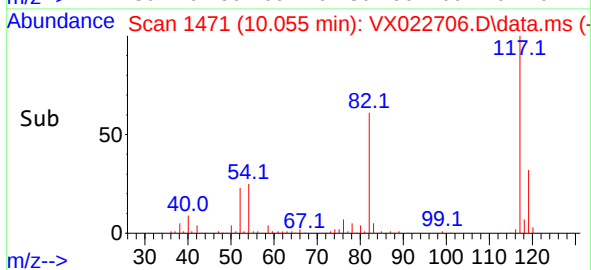
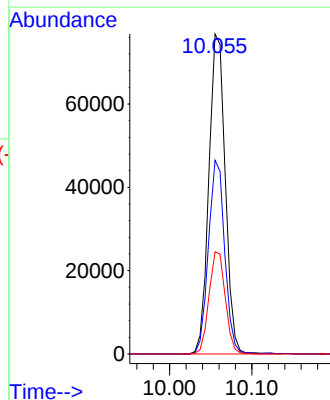
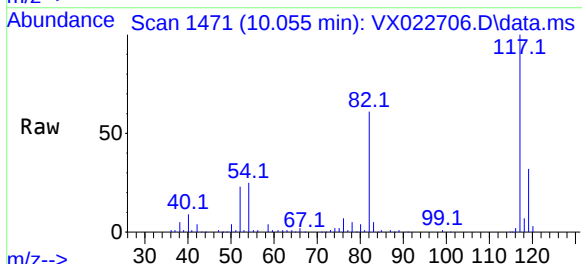
Instrument :  
MSVOA\_X  
ClientSampled :  
DUP-1

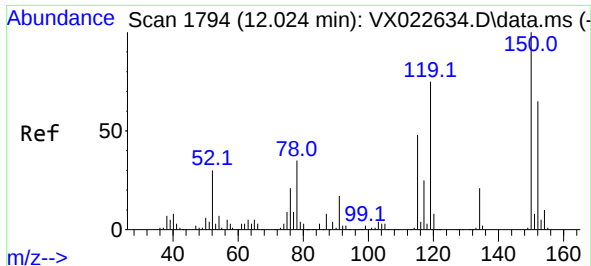
Tgt Ion: 95 Resp: 51279  
Ion Ratio Lower Upper  
95 100  
174 60.5 0.0 154.6  
176 59.0 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX022706.D  
Acq: 15 Jun 2021 18:08

Tgt Ion: 117 Resp: 106372  
Ion Ratio Lower Upper  
117 100  
82 60.5 47.4 71.2  
119 31.9 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: VX022706.D  
 Acq: 15 Jun 2021 18:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP-1

Tgt Ion:152 Resp: 41653  
 Ion Ratio Lower Upper  
 152 100  
 115 67.8 41.1 123.3  
 150 160.6 0.0 349.0

