

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121721\  
 Data File : VX025862.D  
 Acq On : 16 Dec 2021 17:53  
 Operator : JC/MD  
 Sample : PB141455ZHE#03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB141455ZHE#03

Quant Time: Dec 17 02:33:59 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121321W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 14 07:02:11 2021  
 Response via : Initial Calibration

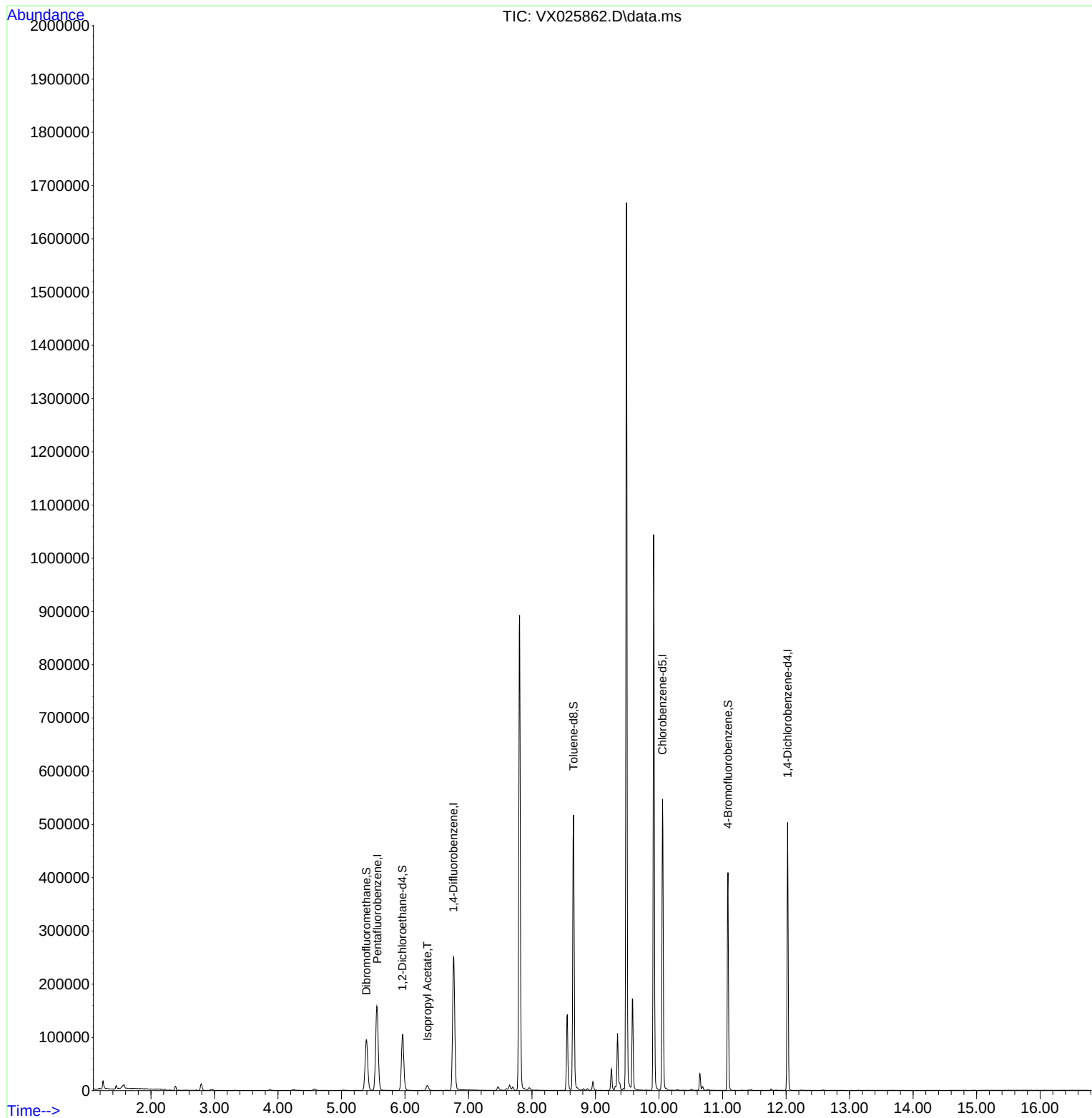
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 5.562  | 168   | 148528   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 258677   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 244579   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 99052    | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 100356   | 46.960   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =     | 93.920%   |
| 35) Dibromofluoromethane    | 5.391  | 113   | 82206    | 45.568   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 91.140%   |
| 50) Toluene-d8              | 8.653  | 98    | 311887   | 47.449   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =     | 94.900%   |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 108024   | 43.264   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 86.520%   |
| Target Compounds            |        |       |          |          |       |           |
| 43) Isopropyl Acetate       | 6.355  | 43    | 13325    | 3.043    | ug/l  | Qvalue 97 |
| -----                       |        |       |          |          |       |           |

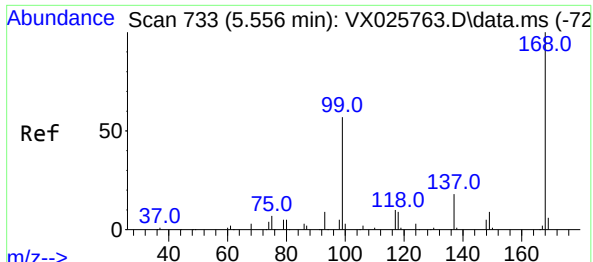
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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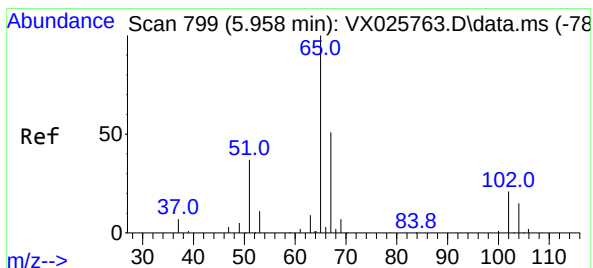
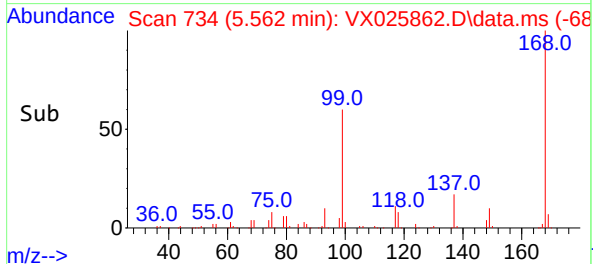
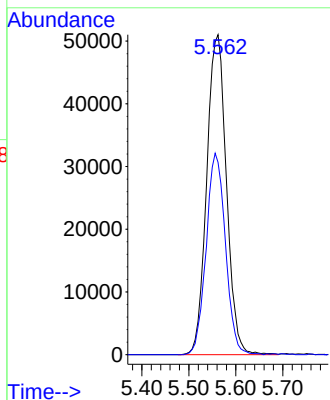
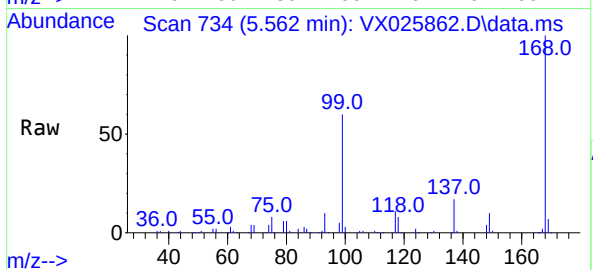




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 713  
Delta R.T. 0.006 min  
Lab File: VX025862.D  
Acq: 16 Dec 2021 17:53

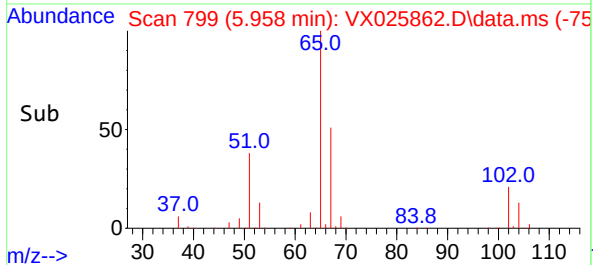
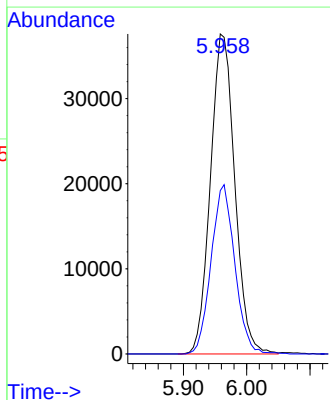
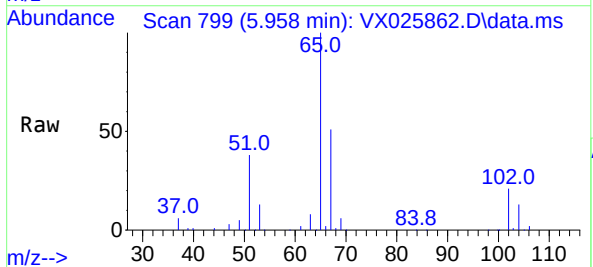
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB141455ZHE#03

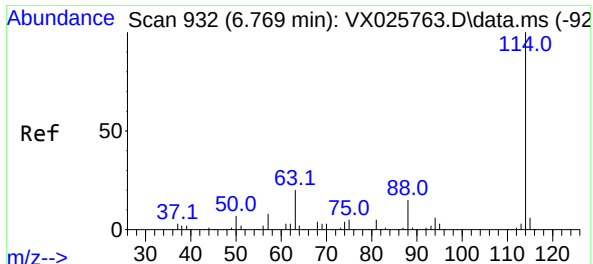
Tgt Ion:168 Resp: 148528  
Ion Ratio Lower Upper  
168 100  
99 60.1 45.8 68.8



#33  
1,2-Dichloroethane-d4  
Concen: 46.960 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX025862.D  
Acq: 16 Dec 2021 17:53

Tgt Ion: 65 Resp: 100356  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX025862.D

Acq: 16 Dec 2021 17:53

Instrument :

MSVOA\_X

ClientSampleId :

PB141455ZHE#03

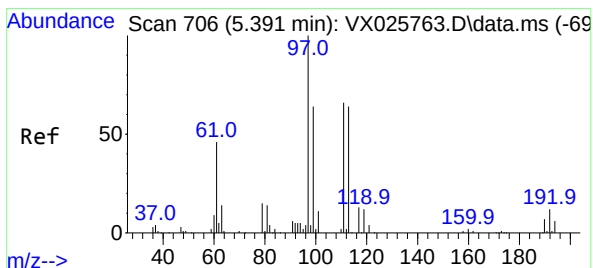
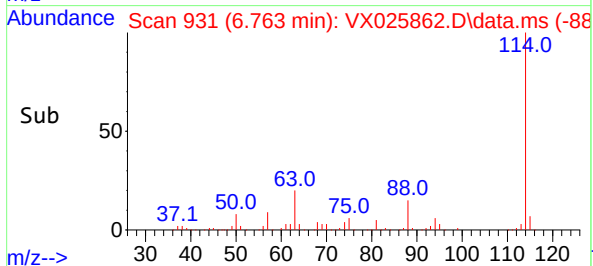
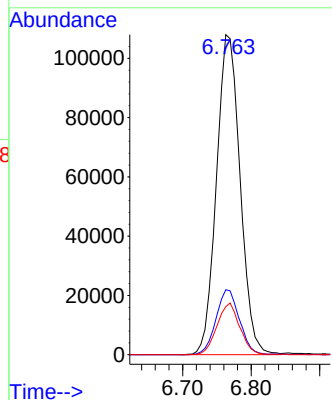
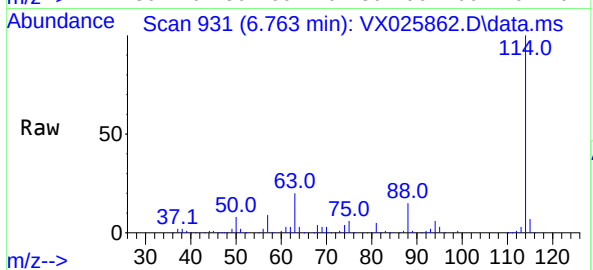
Tgt Ion:114 Resp: 258677

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.568 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX025862.D

Acq: 16 Dec 2021 17:53

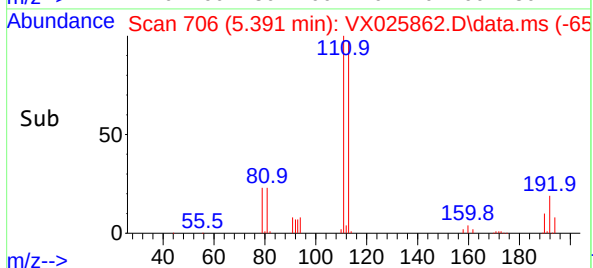
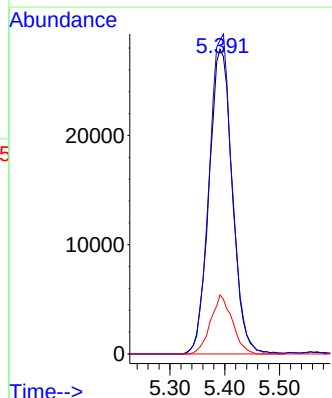
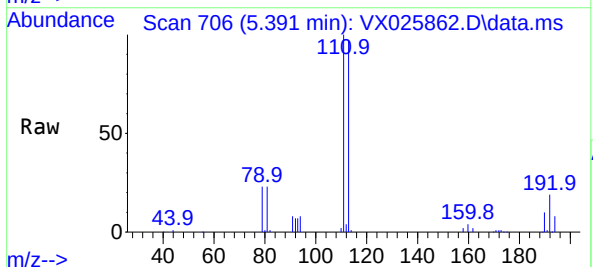
Tgt Ion:113 Resp: 82206

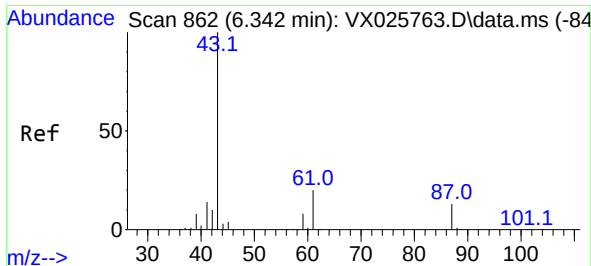
Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.8

192 17.9 15.0 22.4

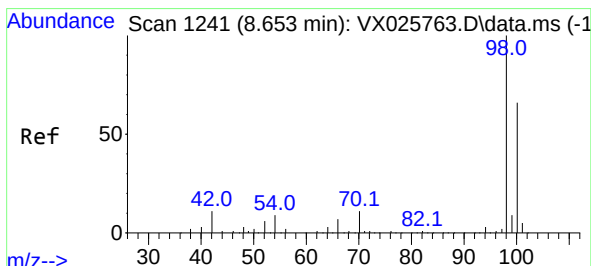
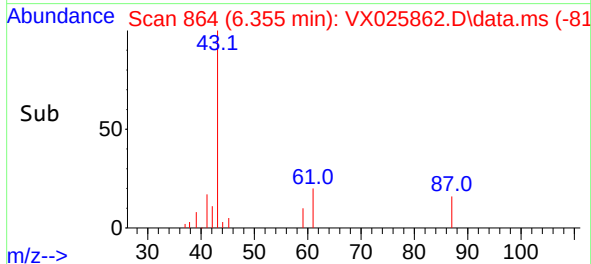
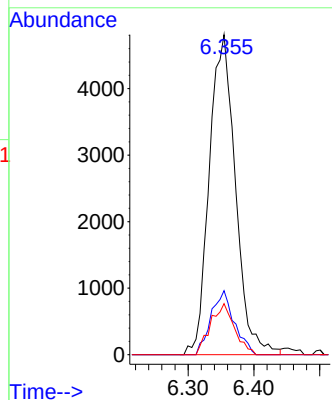
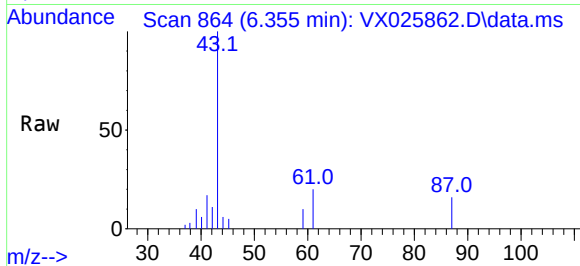




#43  
Isopropyl Acetate  
Concen: 3.043 ug/l  
RT: 6.355 min Scan# 864  
Delta R.T. 0.012 min  
Lab File: VX025862.D  
Acq: 16 Dec 2021 17:53

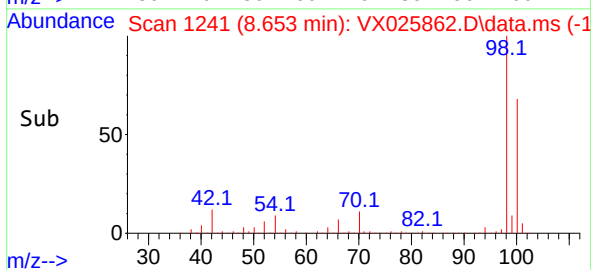
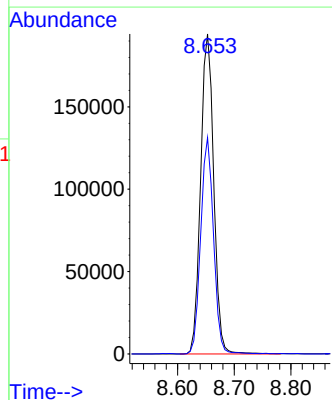
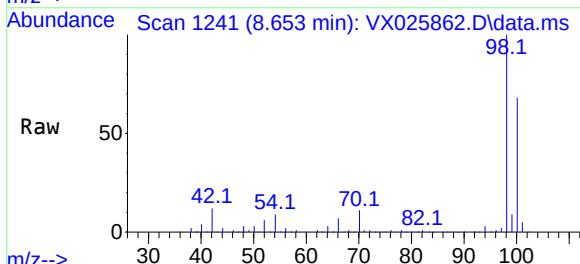
Instrument :  
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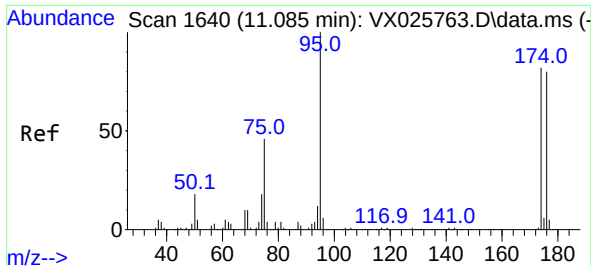
Tgt Ion: 43 Resp: 13325  
Ion Ratio Lower Upper  
43 100  
61 17.8 15.7 23.5  
87 14.6 11.2 16.8



#50  
Toluene-d8  
Concen: 47.449 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX025862.D  
Acq: 16 Dec 2021 17:53

Tgt Ion: 98 Resp: 311887  
Ion Ratio Lower Upper  
98 100  
100 66.2 52.6 78.8

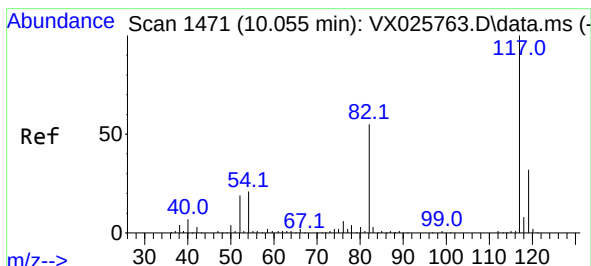
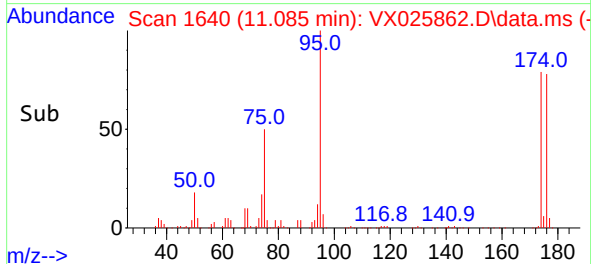
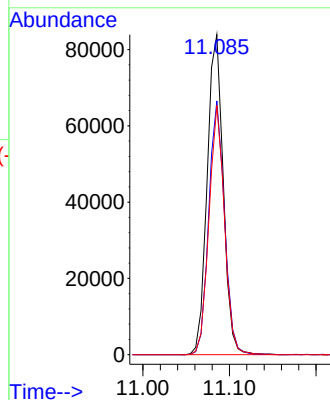
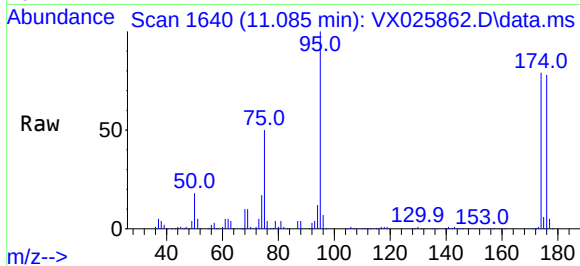




#62  
4-Bromofluorobenzene  
Concen: 43.264 ug/l  
RT: 11.085 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX025862.D  
Acq: 16 Dec 2021 17:53

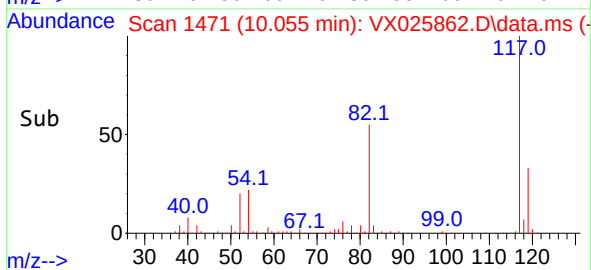
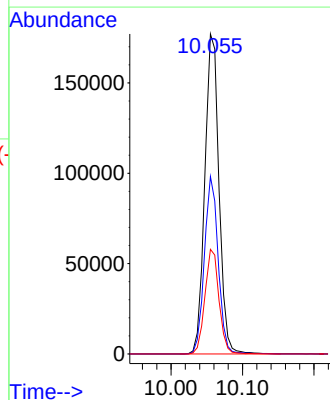
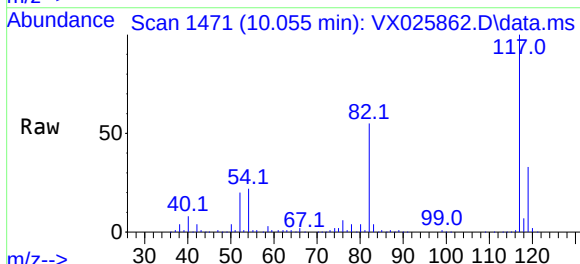
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB141455ZHE#03

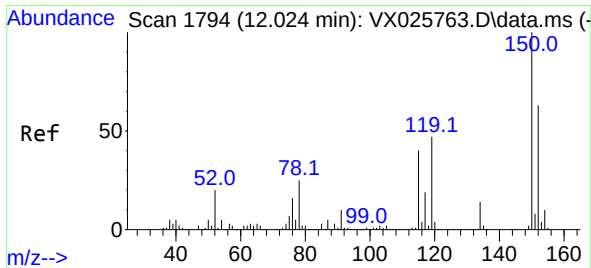
Tgt Ion: 95 Resp: 108024  
Ion Ratio Lower Upper  
95 100  
174 77.8 0.0 157.4  
176 75.2 0.0 154.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX025862.D  
Acq: 16 Dec 2021 17:53

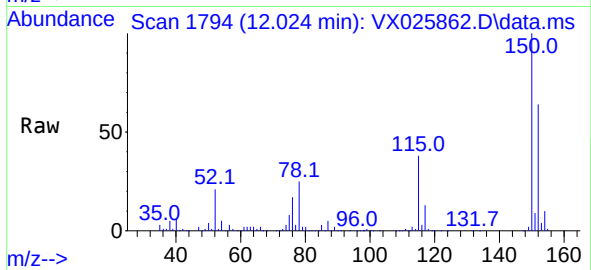
Tgt Ion: 117 Resp: 244579  
Ion Ratio Lower Upper  
117 100  
82 55.5 43.8 65.6  
119 32.7 25.2 37.8





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX025862.D  
 Acq: 16 Dec 2021 17:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB141455ZHE#03



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 99052 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 60.1  | 41.3  | 123.9 |
| 150      | 157.6 | 0.0   | 351.8 |

