

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121621\  
 Data File : VX025825.D  
 Acq On : 15 Dec 2021 19:23  
 Operator : JC/MD  
 Sample : PB141382ZHE#05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB141382ZHE#05

Quant Time: Dec 16 07:31:19 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

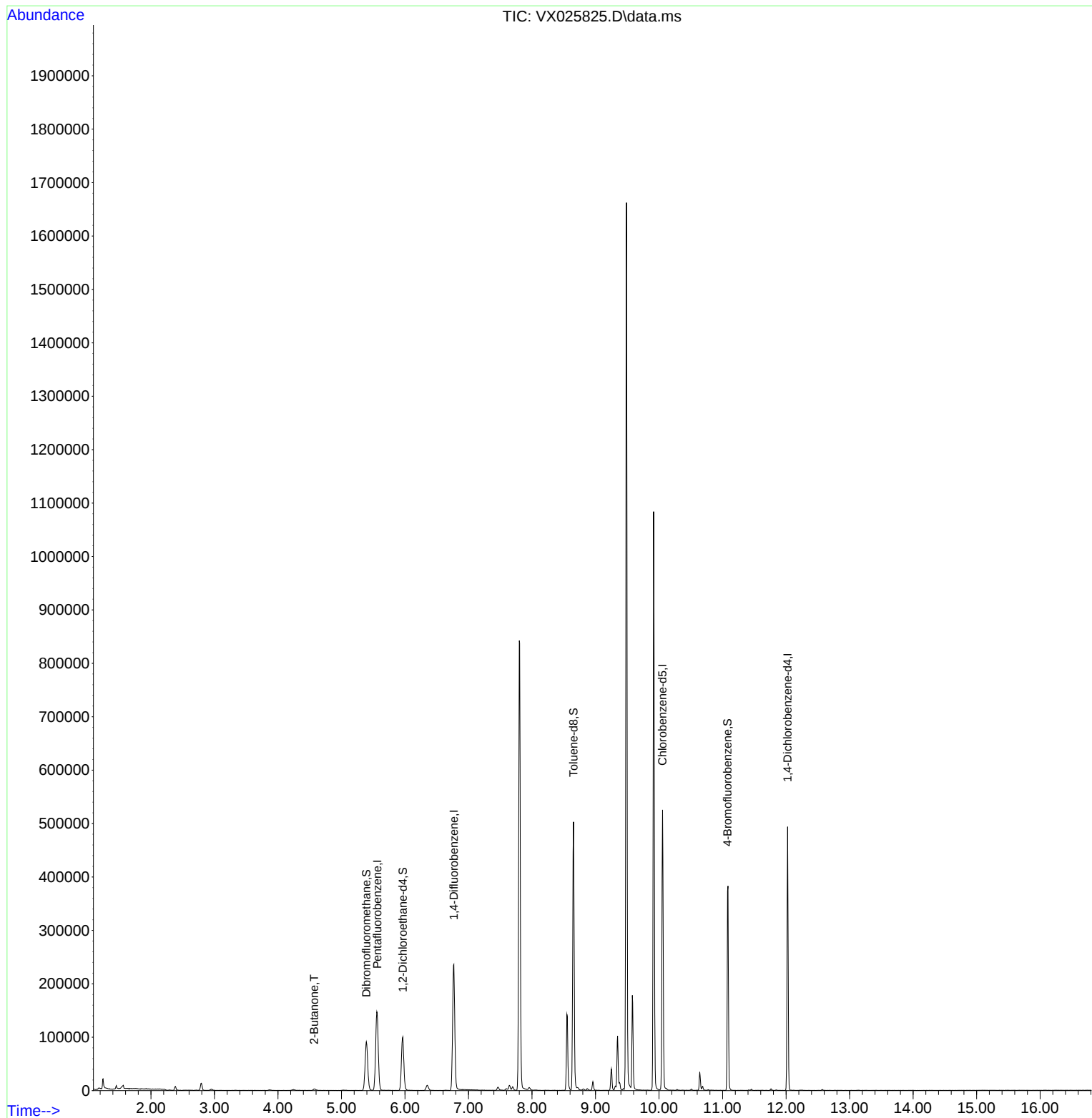
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Pentafluorobenzene       | 5.562  | 168   | 138286   | 50.000   | ug/l  | 0.00        |
| 34) 1,4-Difluorobenzene     | 6.769  | 114   | 243676   | 50.000   | ug/l  | 0.00        |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 236071   | 50.000   | ug/l  | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 96611    | 50.000   | ug/l  | 0.00        |
| System Monitoring Compounds |        |       |          |          |       |             |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 94743    | 47.617   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =     | 95.240%     |
| 35) Dibromofluoromethane    | 5.391  | 113   | 78257    | 46.049   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 92.100%     |
| 50) Toluene-d8              | 8.653  | 98    | 295154   | 47.668   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =     | 95.340%     |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 102868   | 43.735   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 87.480%     |
| Target Compounds            |        |       |          |          |       |             |
| 25) 2-Butanone              | 4.568  | 43    | 4638     | 3.466    | ug/l  | Qvalue # 87 |
| -----                       |        |       |          |          |       |             |

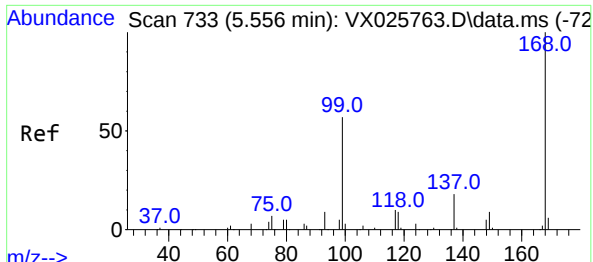
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 07:31:19 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

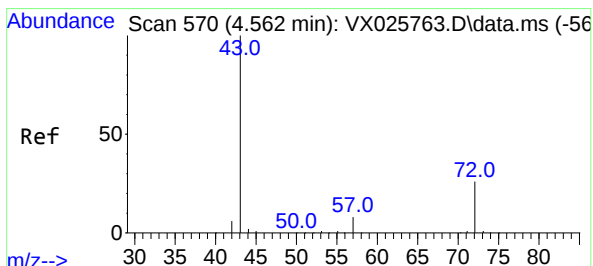
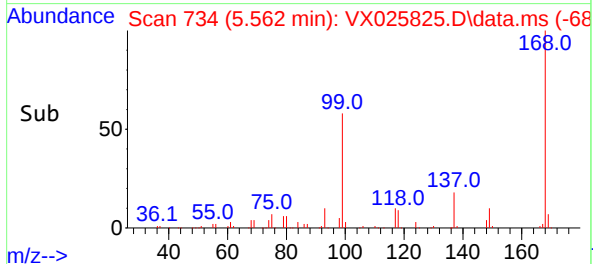
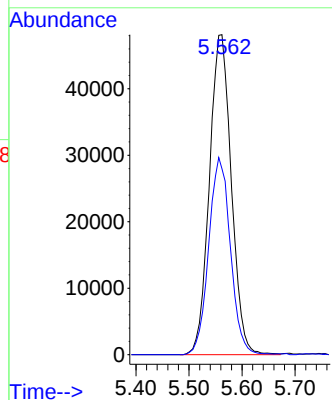
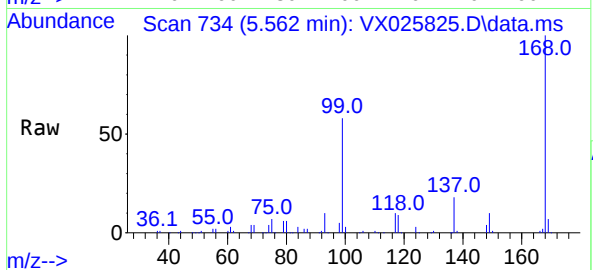




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX025825.D  
Acq: 15 Dec 2021 19:23

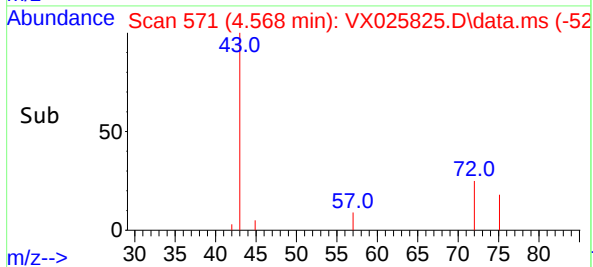
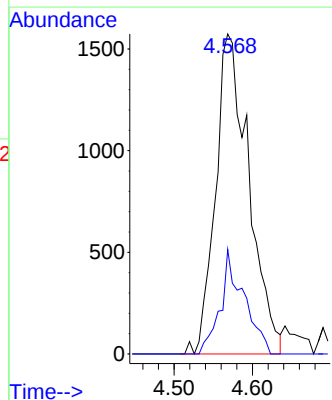
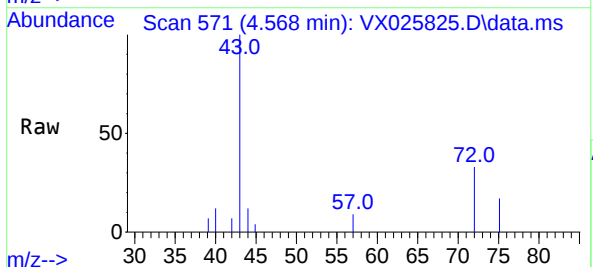
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB141382ZHE#05

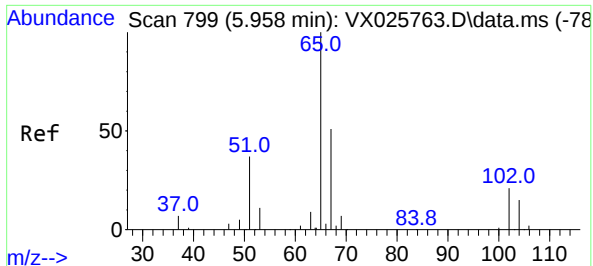
Tgt Ion:168 Resp: 138286  
Ion Ratio Lower Upper  
168 100  
99 58.1 45.8 68.8



#25  
2-Butanone  
Concen: 3.466 ug/l  
RT: 4.568 min Scan# 571  
Delta R.T. 0.006 min  
Lab File: VX025825.D  
Acq: 15 Dec 2021 19:23

Tgt Ion: 43 Resp: 4638  
Ion Ratio Lower Upper  
43 100  
72 32.7 21.0 31.4#





#33

1,2-Dichloroethane-d4

Concen: 47.617 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX025825.D

Acq: 15 Dec 2021 19:23

Instrument :

MSVOA\_X

ClientSampleId :

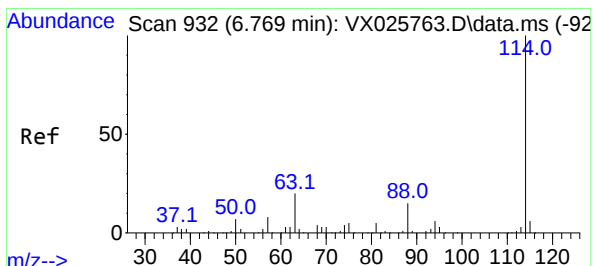
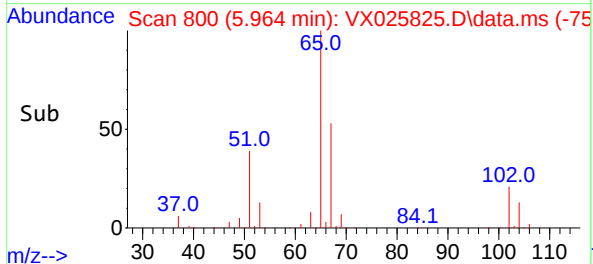
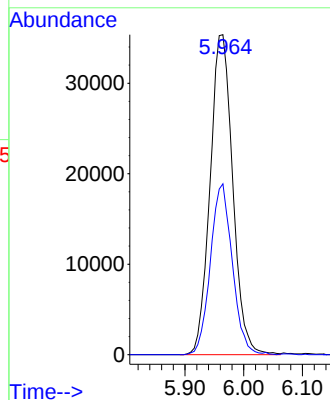
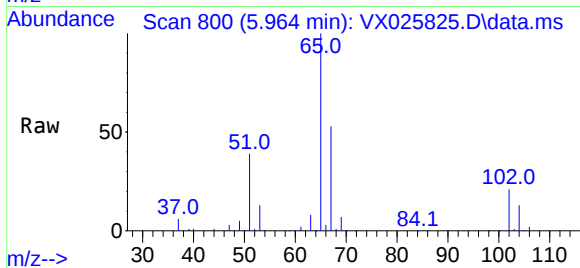
PB141382ZHE#05

Tgt Ion: 65 Resp: 94743

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX025825.D

Acq: 15 Dec 2021 19:23

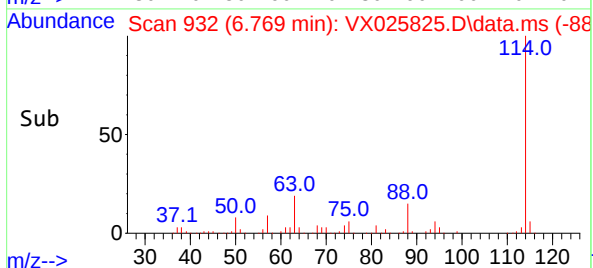
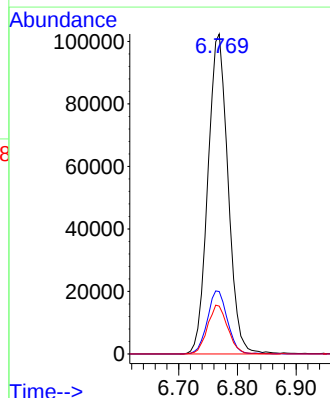
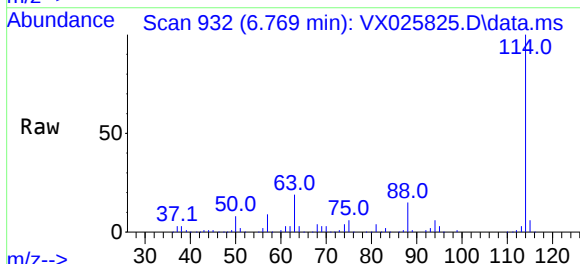
Tgt Ion: 114 Resp: 243676

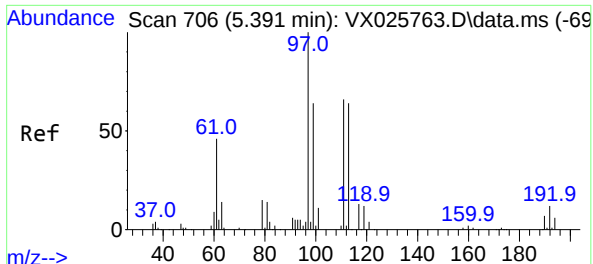
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.049 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX025825.D

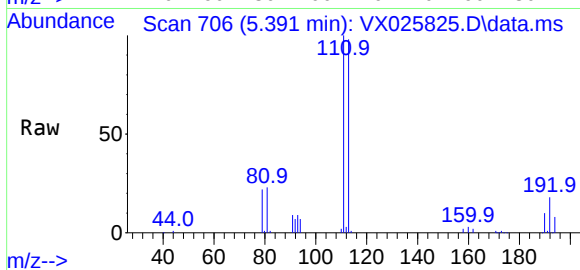
Acq: 15 Dec 2021 19:23

Instrument :

MSVOA\_X

ClientSampleId :

PB141382ZHE#05



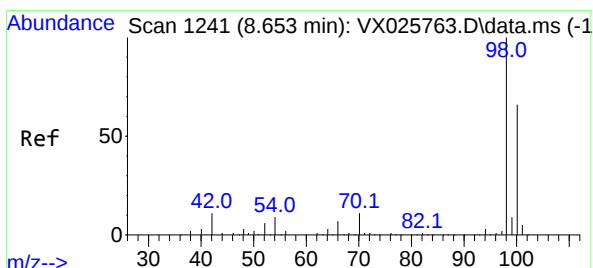
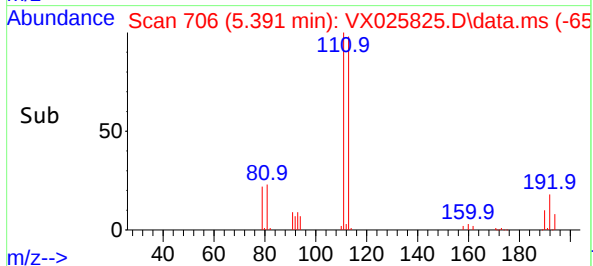
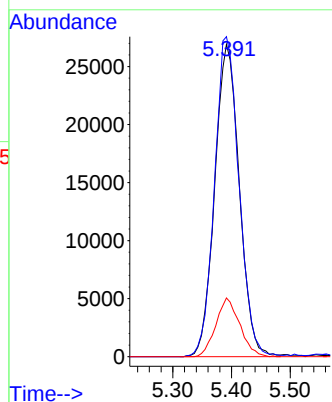
Tgt Ion:113 Resp: 78257

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

192 18.3 15.0 22.4



#50

Toluene-d8

Concen: 47.668 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025825.D

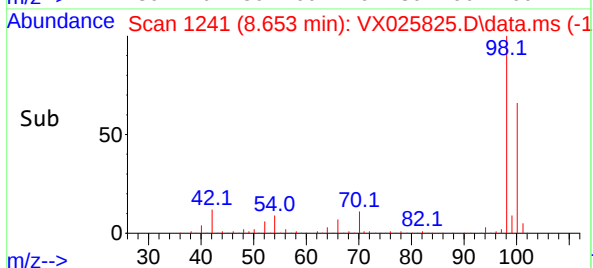
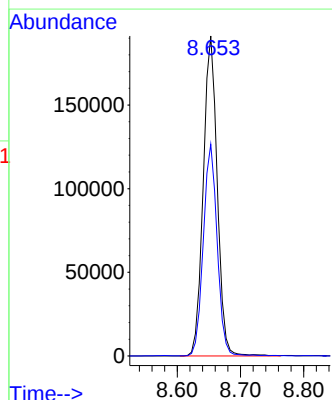
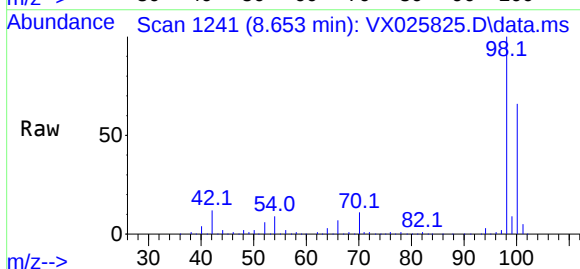
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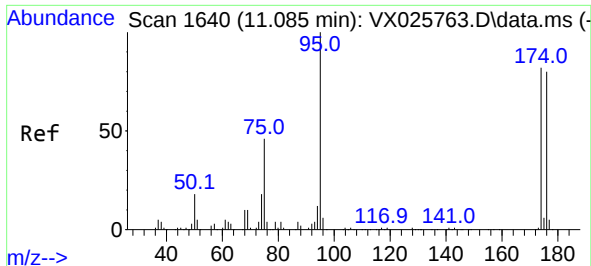
Tgt Ion: 98 Resp: 295154

Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8

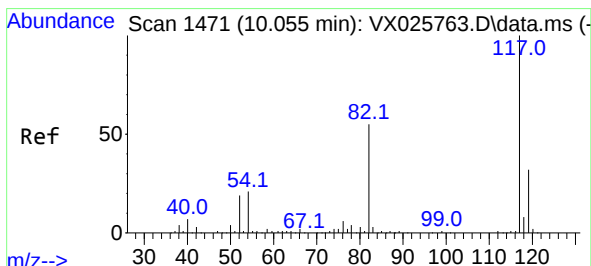
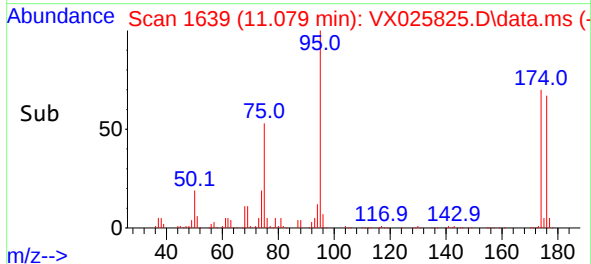
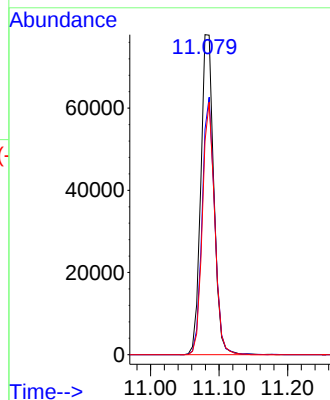
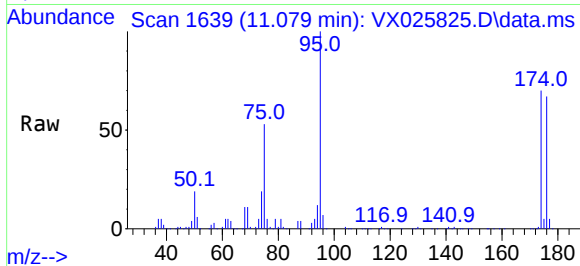




#62  
4-Bromofluorobenzene  
Concen: 43.735 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.006 min  
Lab File: VX025825.D  
Acq: 15 Dec 2021 19:23

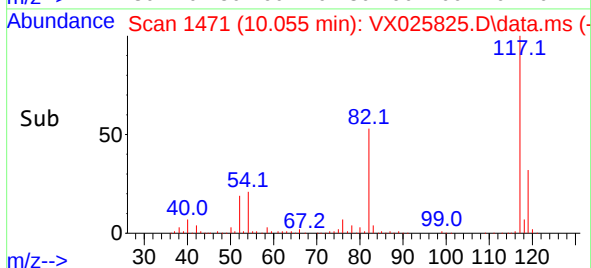
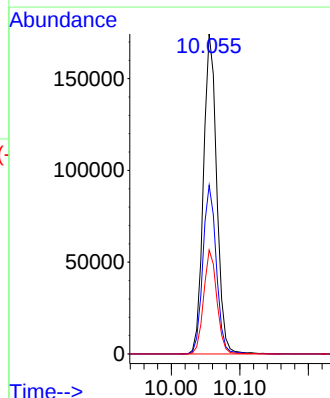
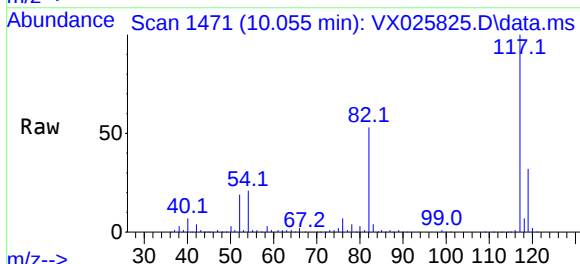
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB141382ZHE#05

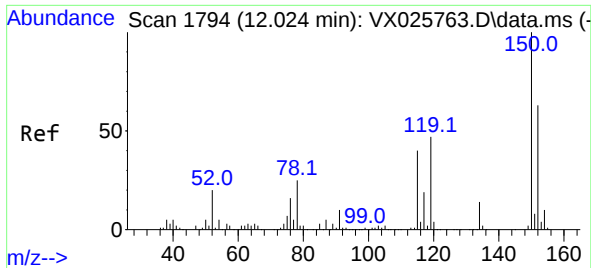
Tgt Ion: 95 Resp: 102868  
Ion Ratio Lower Upper  
95 100  
174 77.5 0.0 157.4  
176 74.5 0.0 154.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX025825.D  
Acq: 15 Dec 2021 19:23

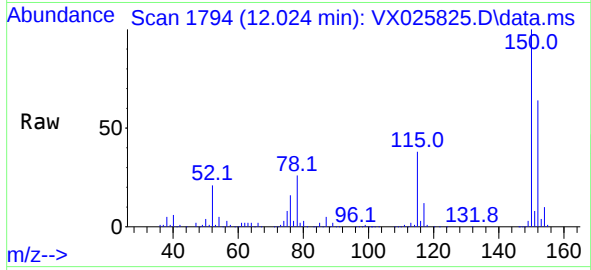
Tgt Ion: 117 Resp: 236071  
Ion Ratio Lower Upper  
117 100  
82 52.7 43.8 65.6  
119 32.5 25.2 37.8





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX025825.D  
 Acq: 15 Dec 2021 19:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB141382ZHE#05



Tgt Ion:152 Resp: 96611  
 Ion Ratio Lower Upper  
 152 100  
 115 60.2 41.3 123.9  
 150 156.9 0.0 351.8

