

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120221\  
 Data File : VX025430.D  
 Acq On : 02 Dec 2021 15:55  
 Operator : JC/MD  
 Sample : PB141130ZHE#05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB141130ZHE#05

Quant Time: Dec 03 03:08:04 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 17 15:36:16 2021  
 Response via : Initial Calibration

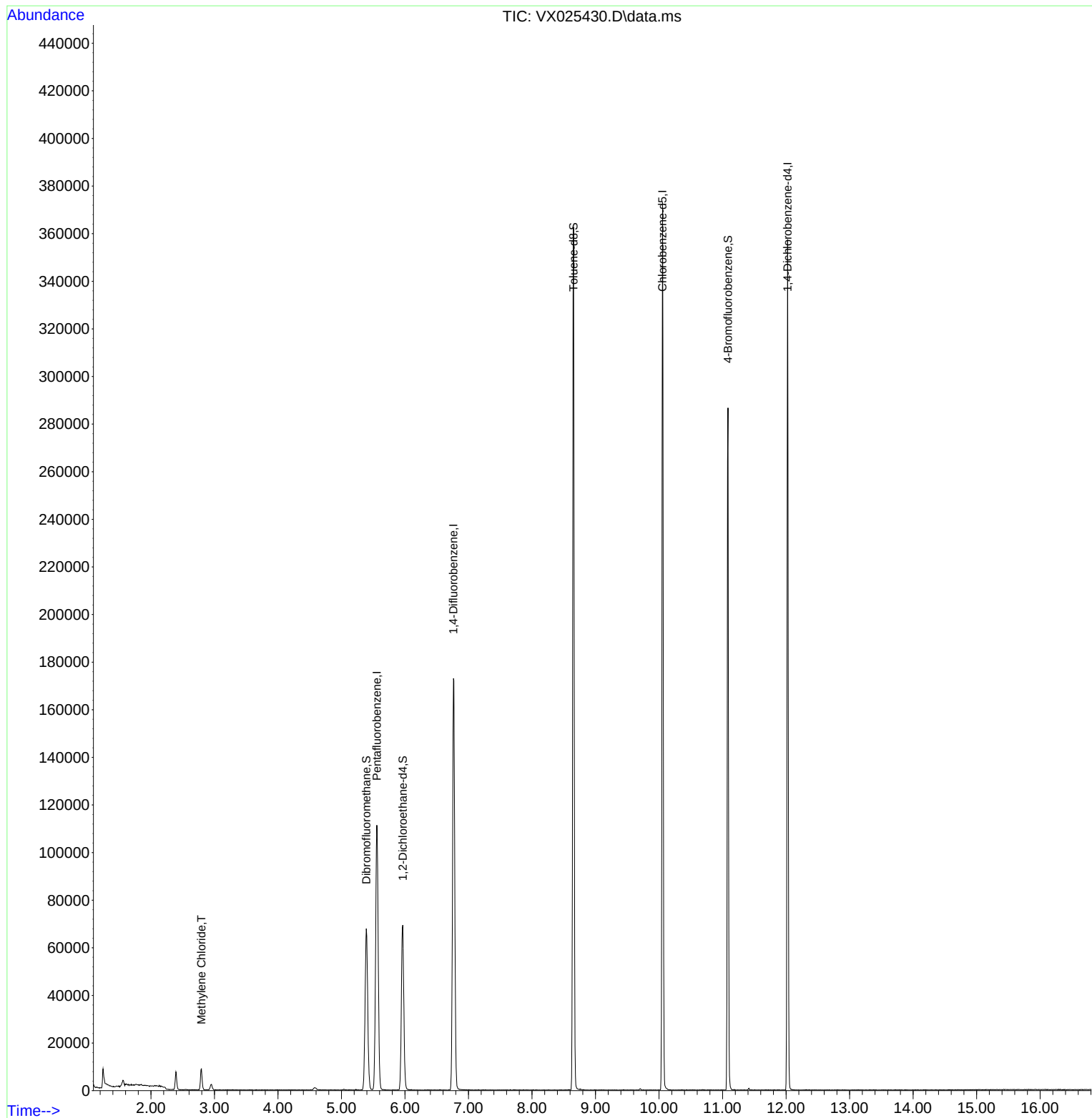
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)     |
|-----------------------------|--------|-------|----------|----------|-------|--------------|
| -----                       |        |       |          |          |       |              |
| Internal Standards          |        |       |          |          |       |              |
| 1) Pentafluorobenzene       | 5.556  | 168   | 114081   | 50.000   | ug/l  | 0.00         |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 188773   | 50.000   | ug/l  | 0.00         |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 171109   | 50.000   | ug/l  | 0.00         |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 75338    | 50.000   | ug/l  | 0.00         |
| System Monitoring Compounds |        |       |          |          |       |              |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 65488    | 54.460   | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =     | 108.920%     |
| 35) Dibromofluoromethane    | 5.391  | 113   | 58607    | 50.600   | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 101.200%     |
| 50) Toluene-d8              | 8.653  | 98    | 218486   | 50.171   | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =     | 100.340%     |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 75608    | 45.893   | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 91.780%      |
| Target Compounds            |        |       |          |          |       |              |
| 20) Methylene Chloride      | 2.794  | 84    | 4083     | 3.251    | ug/l  | Qvalue<br>89 |
| -----                       |        |       |          |          |       |              |

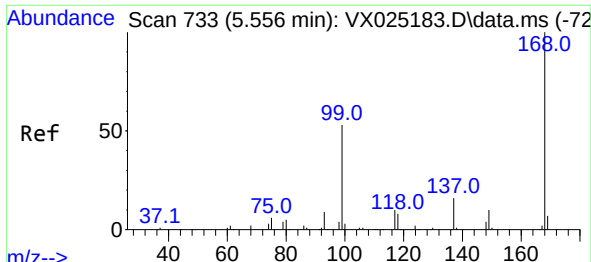
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 17 15:36:16 2021  
Response via : Initial Calibration





#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX025430.D

Acq: 02 Dec 2021 15:55

Instrument :

MSVOA\_X

ClientSampleId :

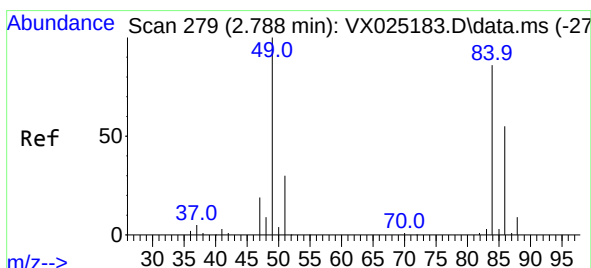
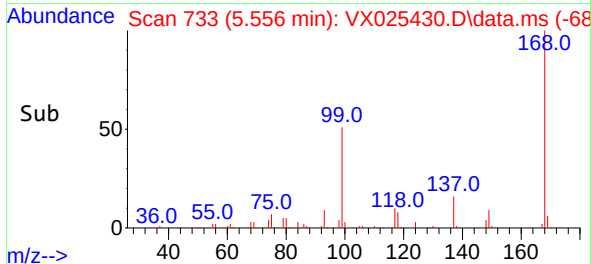
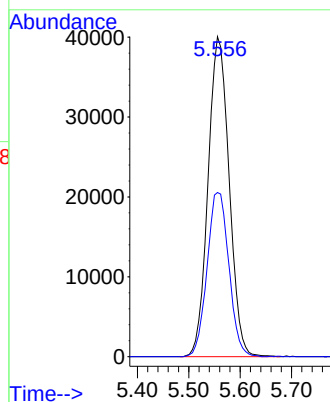
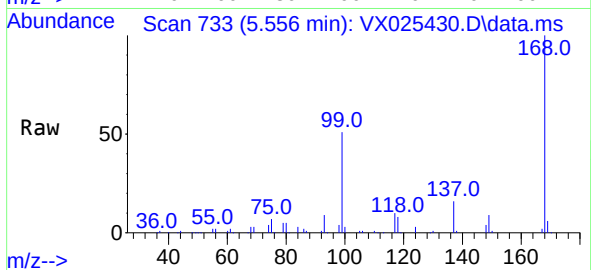
PB141130ZHE#05

Tgt Ion:168 Resp: 114081

Ion Ratio Lower Upper

168 100

99 51.3 46.4 69.6



#20

Methylene Chloride

Concen: 3.251 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX025430.D

Acq: 02 Dec 2021 15:55

Tgt Ion: 84 Resp: 4083

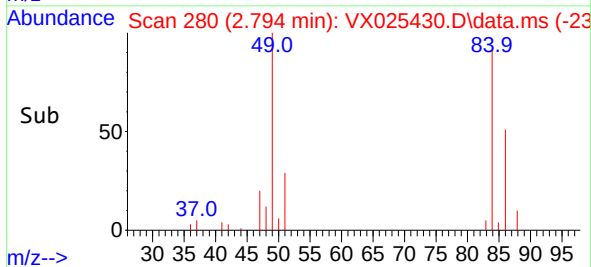
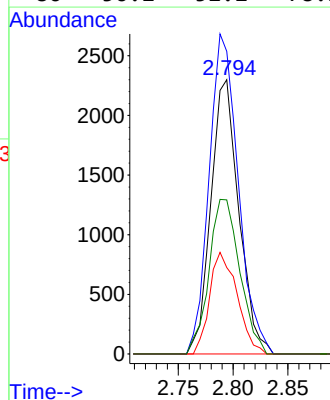
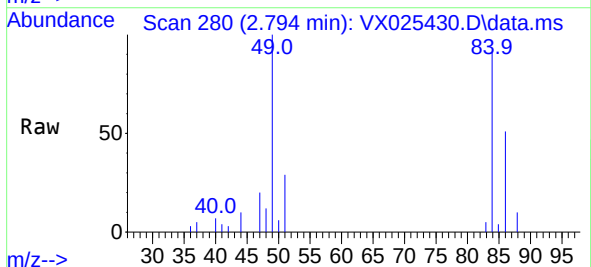
Ion Ratio Lower Upper

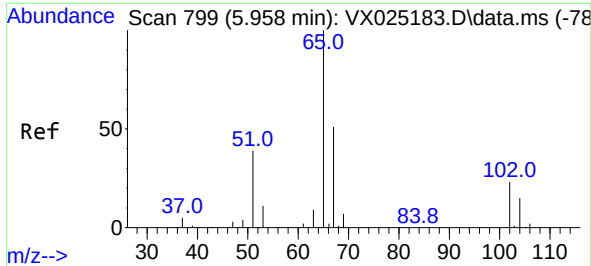
84 100

49 110.3 98.2 147.2

51 31.5 30.2 45.4

86 56.2 52.2 78.2

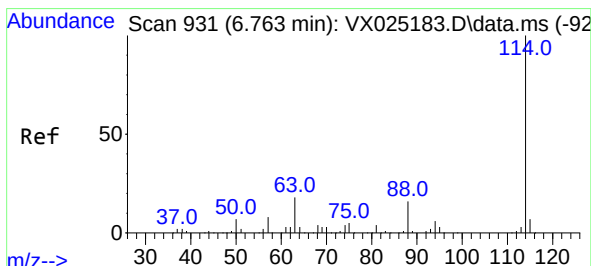
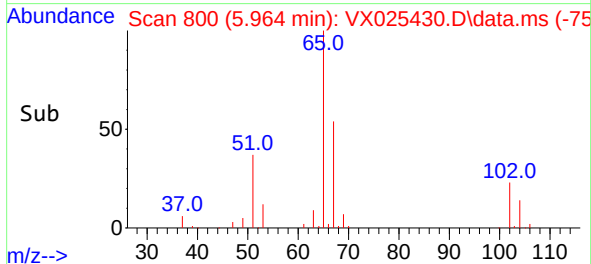
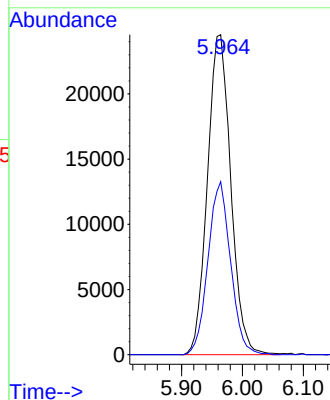
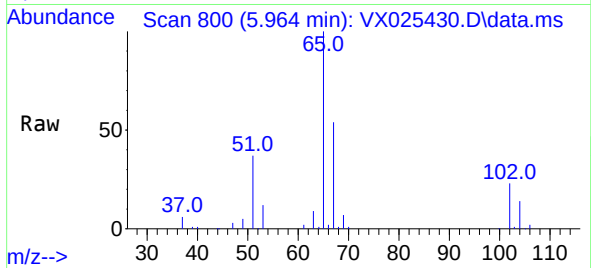




#33  
1,2-Dichloroethane-d4  
Concen: 54.460 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.006 min  
Lab File: VX025430.D  
Acq: 02 Dec 2021 15:55

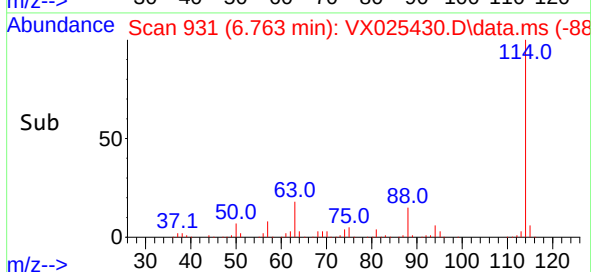
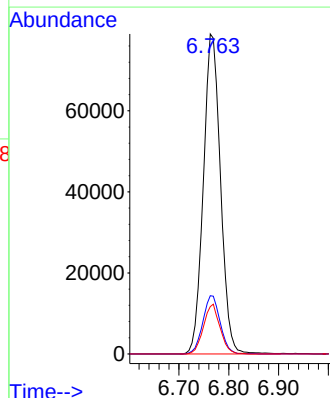
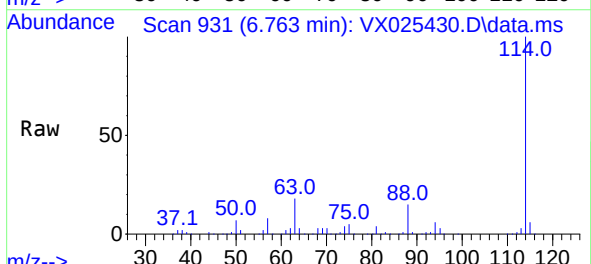
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB141130ZHE#05

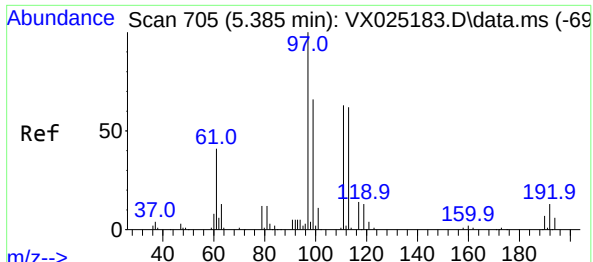
Tgt Ion: 65 Resp: 65488  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 101.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. -0.000 min  
Lab File: VX025430.D  
Acq: 02 Dec 2021 15:55

Tgt Ion: 114 Resp: 188773  
Ion Ratio Lower Upper  
114 100  
63 18.2 0.0 41.0  
88 14.8 0.0 34.8

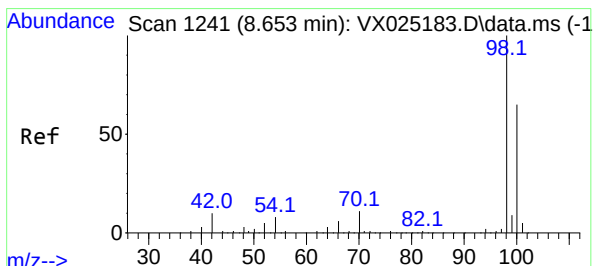
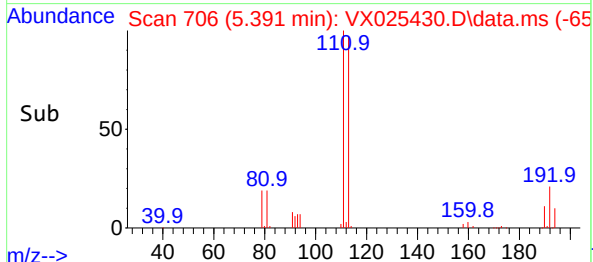
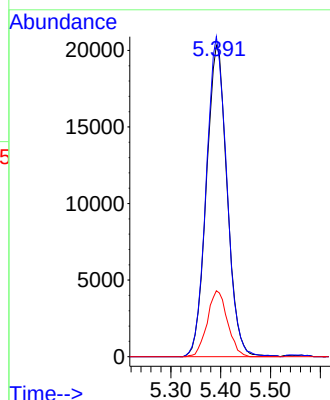
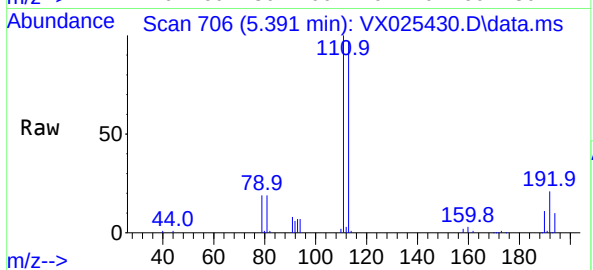




#35  
Dibromofluoromethane  
Concen: 50.600 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX025430.D  
Acq: 02 Dec 2021 15:55

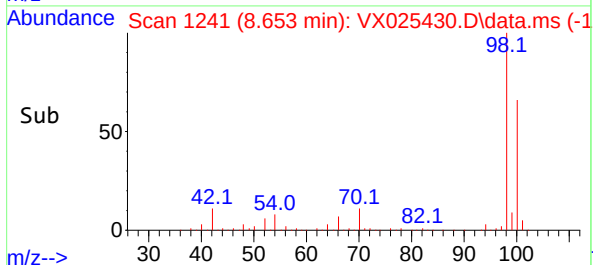
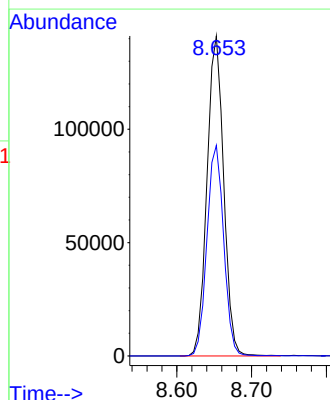
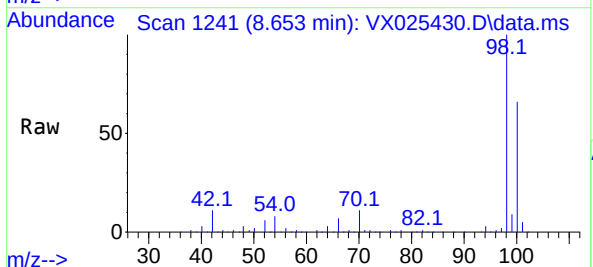
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB141130ZHE#05

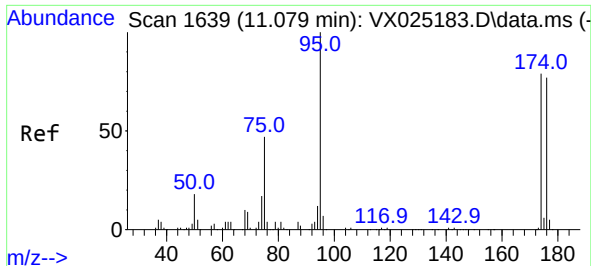
Tgt Ion:113 Resp: 58607  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.1 123.1  
192 20.6 15.6 23.4



#50  
Toluene-d8  
Concen: 50.171 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX025430.D  
Acq: 02 Dec 2021 15:55

Tgt Ion: 98 Resp: 218486  
Ion Ratio Lower Upper  
98 100  
100 66.2 51.4 77.0

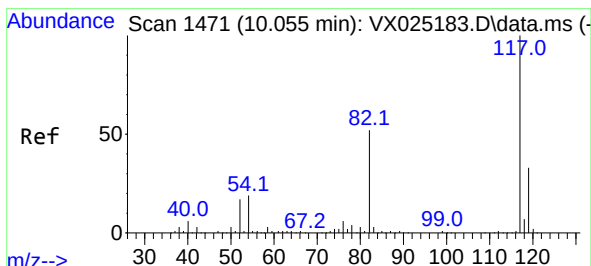
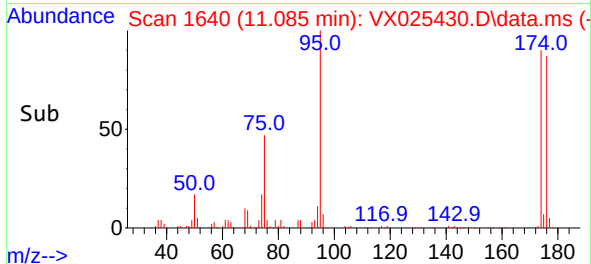
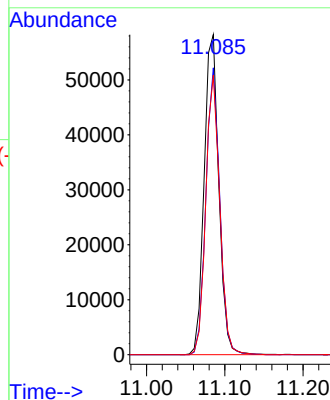
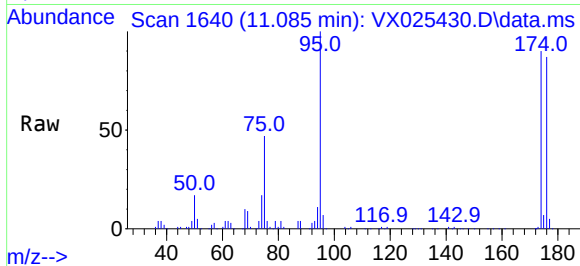




#62  
4-Bromofluorobenzene  
Concen: 45.893 ug/l  
RT: 11.085 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX025430.D  
Acq: 02 Dec 2021 15:55

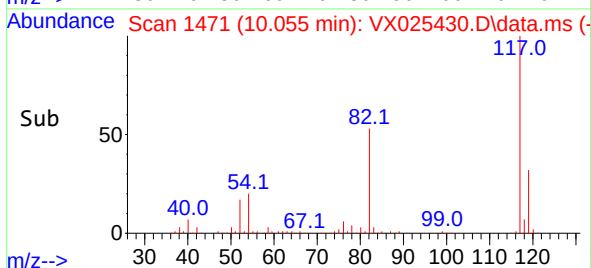
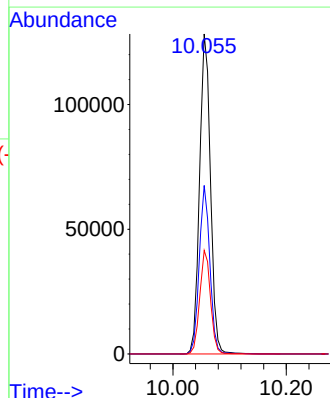
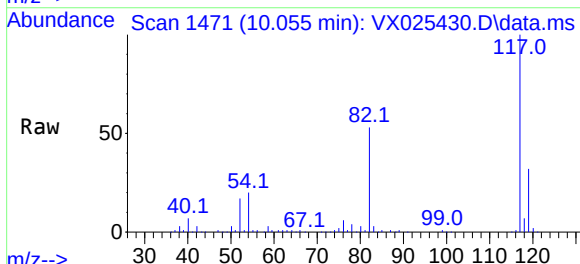
Instrument :  
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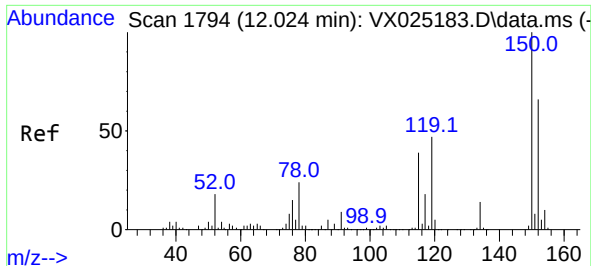
Tgt Ion: 95 Resp: 75608  
Ion Ratio Lower Upper  
95 100  
174 84.5 0.0 158.0  
176 83.4 0.0 153.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX025430.D  
Acq: 02 Dec 2021 15:55

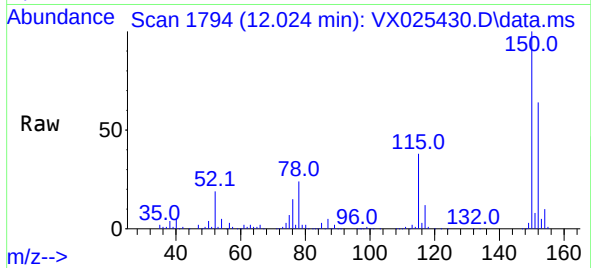
Tgt Ion: 117 Resp: 171109  
Ion Ratio Lower Upper  
117 100  
82 52.7 44.6 67.0  
119 32.4 24.8 37.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX025430.D  
 Acq: 02 Dec 2021 15:55

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB141130ZHE#05



Tgt Ion:152 Resp: 75338  
 Ion Ratio Lower Upper  
 152 100  
 115 57.9 43.3 129.8  
 150 157.5 0.0 351.2

