

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071621\  
 Data File : VX023327.D  
 Acq On : 16 Jul 2021 15:08  
 Operator : JC/MD  
 Sample : M3087-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-4

Quant Time: Jul 17 02:10:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 02 14:29:42 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 5.562  | 168   | 215067   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.769  | 114   | 351914   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 308217   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 121468   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 5.971  | 65    | 150510   | 52.071   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 104.140% |          |
| 35) Dibromofluoromethane    | 5.397  | 113   | 114513   | 50.390   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 100.780% |          |
| 50) Toluene-d8              | 8.653  | 98    | 414876   | 48.941   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 97.880%  |          |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 145631   | 44.500   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 89.000%  |          |

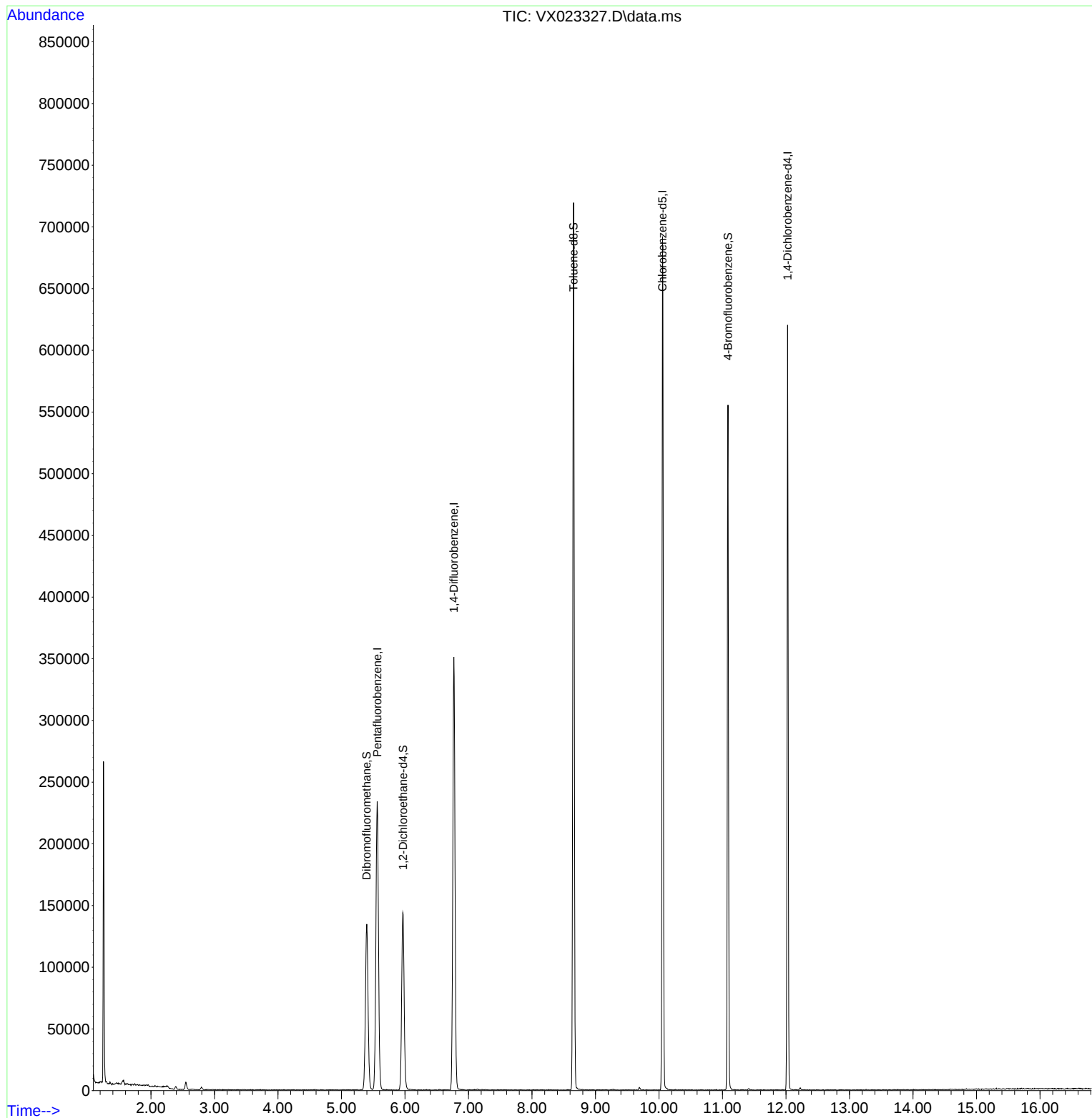
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

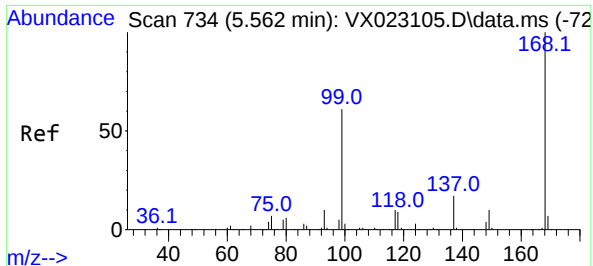
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

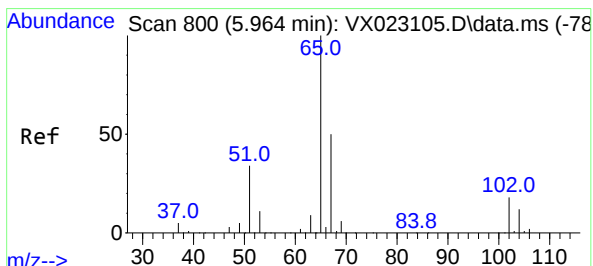
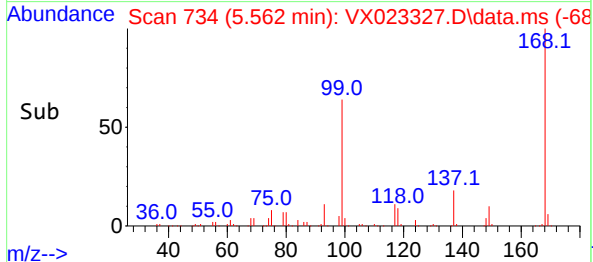
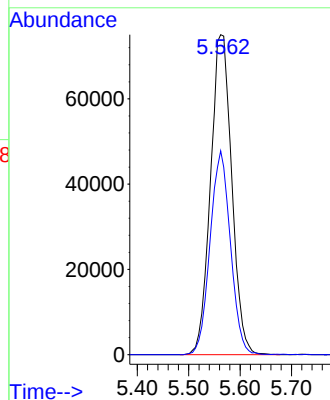
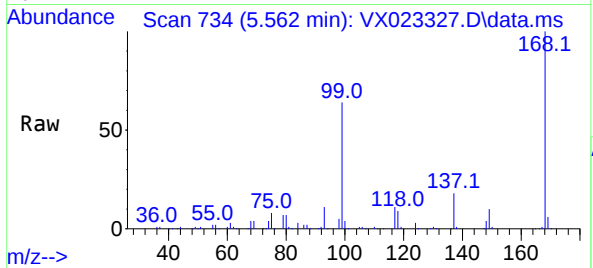




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX023327.D  
Acq: 16 Jul 2021 15:08

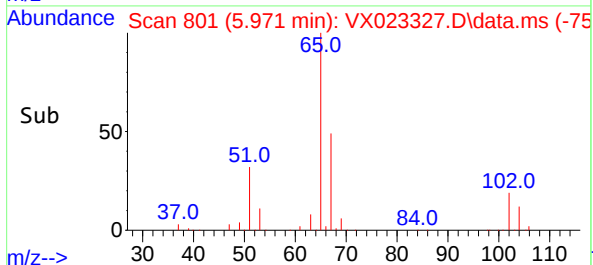
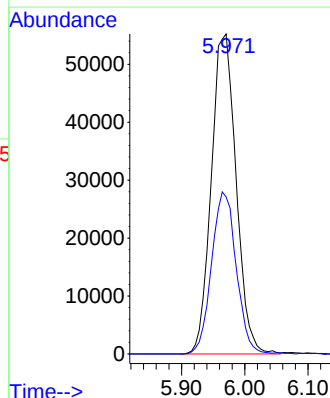
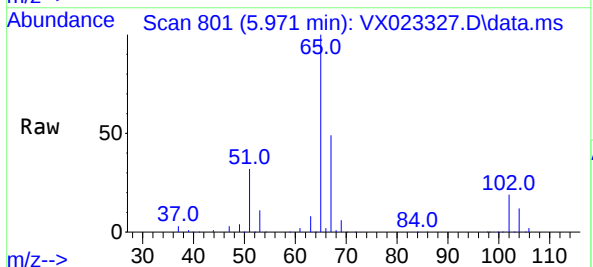
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

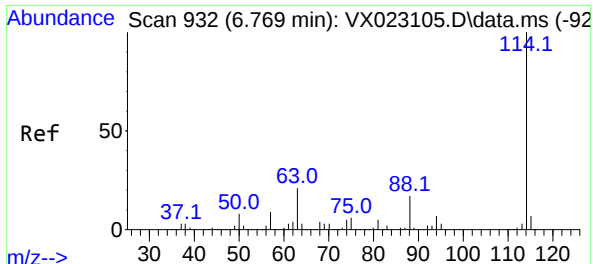
Tgt Ion:168 Resp: 215067  
Ion Ratio Lower Upper  
168 100  
99 63.7 45.8 68.6



#33  
1,2-Dichloroethane-d4  
Concen: 52.071 ug/l  
RT: 5.971 min Scan# 801  
Delta R.T. 0.007 min  
Lab File: VX023327.D  
Acq: 16 Jul 2021 15:08

Tgt Ion: 65 Resp: 150510  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 105.4

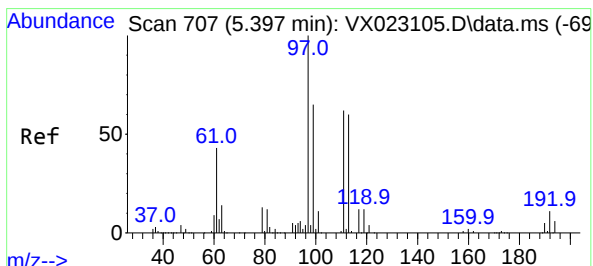
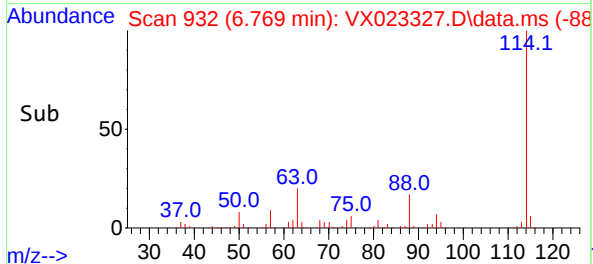
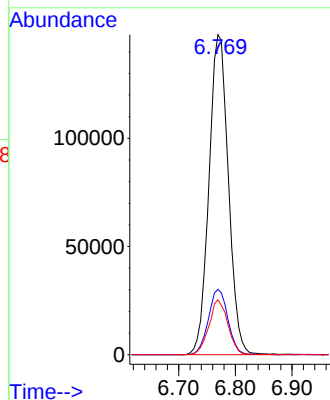
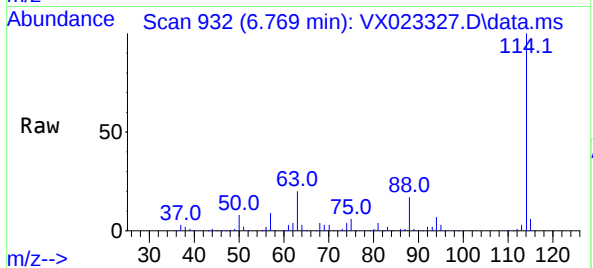




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX023327.D  
Acq: 16 Jul 2021 15:08

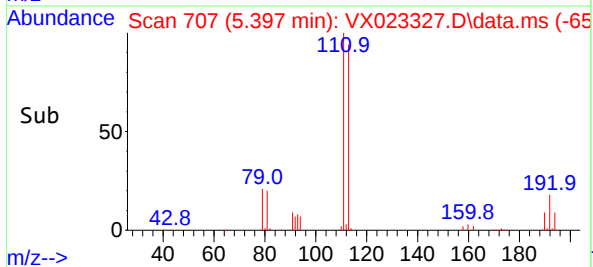
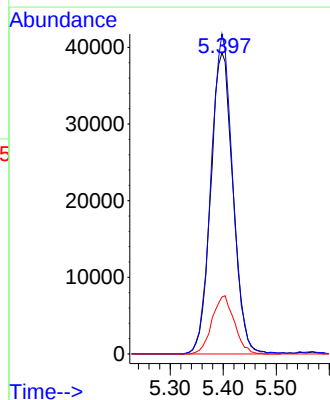
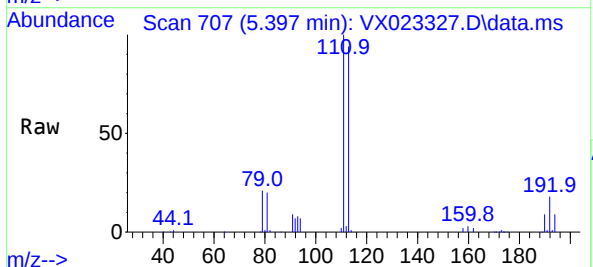
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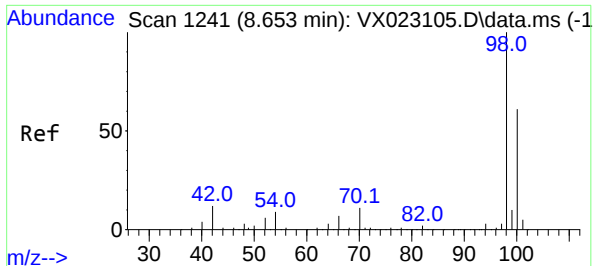
Tgt Ion:114 Resp: 351914  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 40.8  
88 17.2 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 50.390 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX023327.D  
Acq: 16 Jul 2021 15:08

Tgt Ion:113 Resp: 114513  
Ion Ratio Lower Upper  
113 100  
111 103.7 81.9 122.9  
192 19.3 16.7 25.1

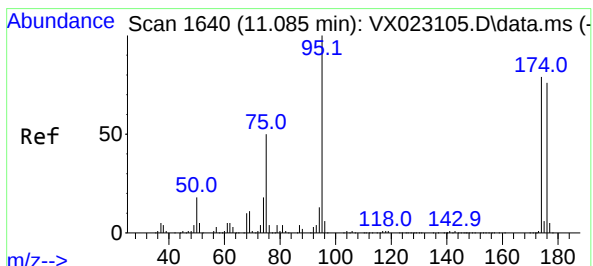
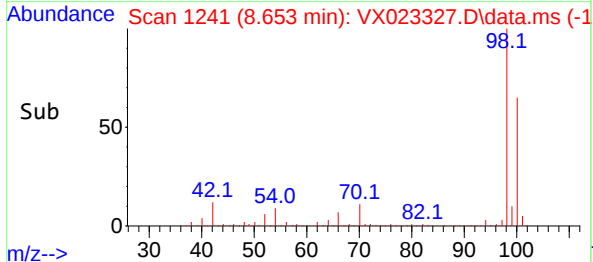
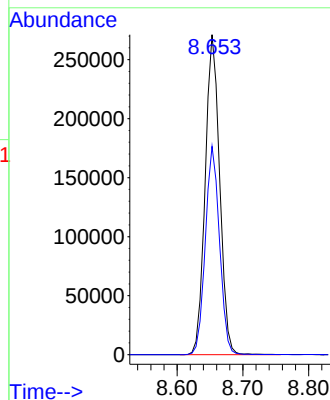
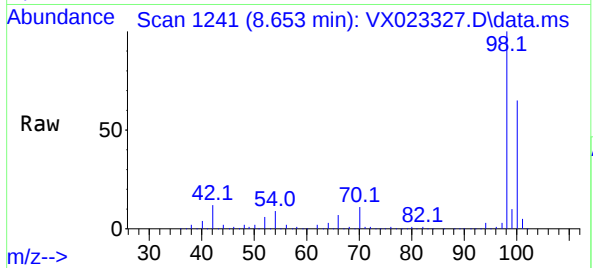




#50  
Toluene-d8  
Concen: 48.941 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX023327.D  
Acq: 16 Jul 2021 15:08

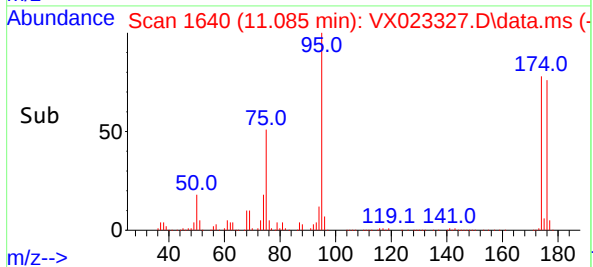
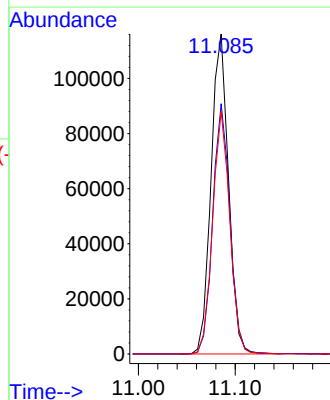
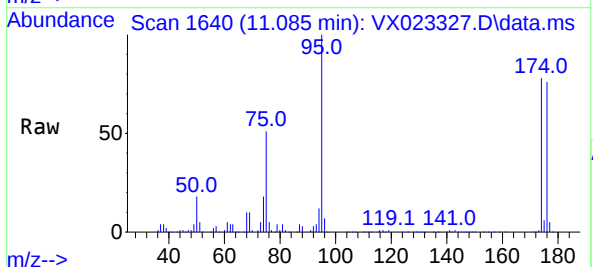
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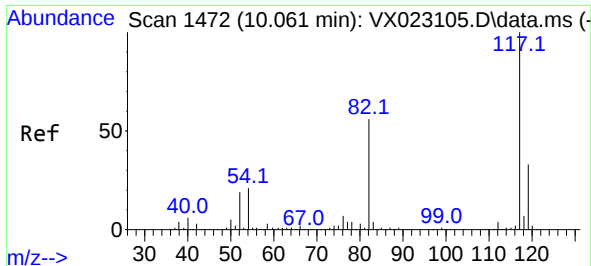
Tgt Ion: 98 Resp: 414876  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 44.500 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023327.D  
Acq: 16 Jul 2021 15:08

Tgt Ion: 95 Resp: 145631  
Ion Ratio Lower Upper  
95 100  
174 77.0 0.0 154.6  
176 74.4 0.0 155.8

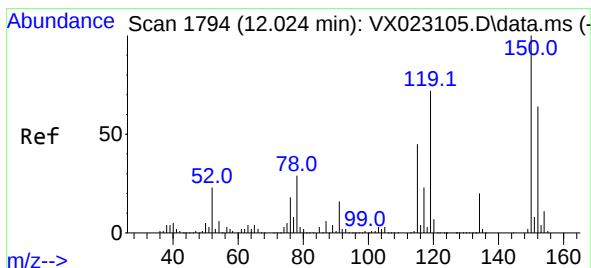
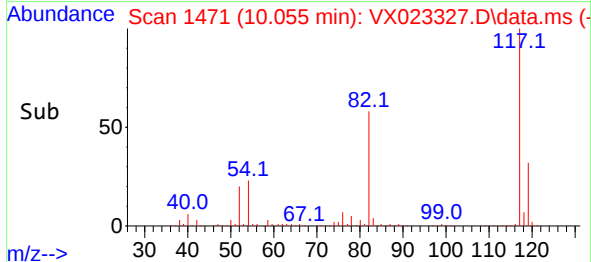
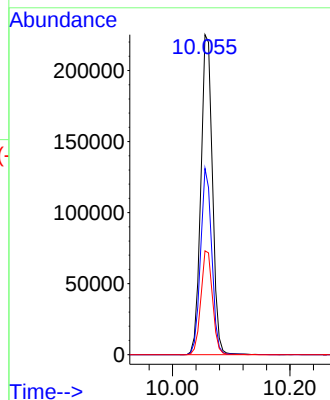
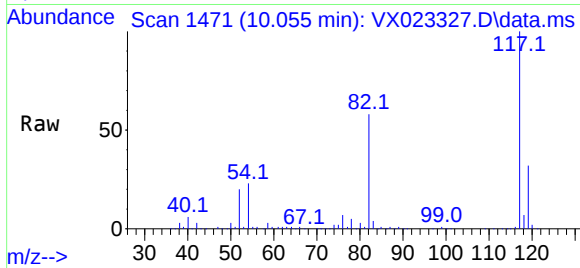




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX023327.D  
Acq: 16 Jul 2021 15:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

Tgt Ion:117 Resp: 308217  
Ion Ratio Lower Upper  
117 100  
82 58.2 47.4 71.2  
119 32.5 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: VX023327.D  
Acq: 16 Jul 2021 15:08

Tgt Ion:152 Resp: 121468  
Ion Ratio Lower Upper  
152 100  
115 61.7 41.1 123.3  
150 156.8 0.0 349.0

