

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100421\  
 Data File : VX024534.D  
 Acq On : 04 Oct 2021 20:40  
 Operator : JC/MD  
 Sample : M3989-02 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2R

Quant Time: Oct 05 03:23:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092321W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 23 18:24:34 2021  
 Response via : Initial Calibration

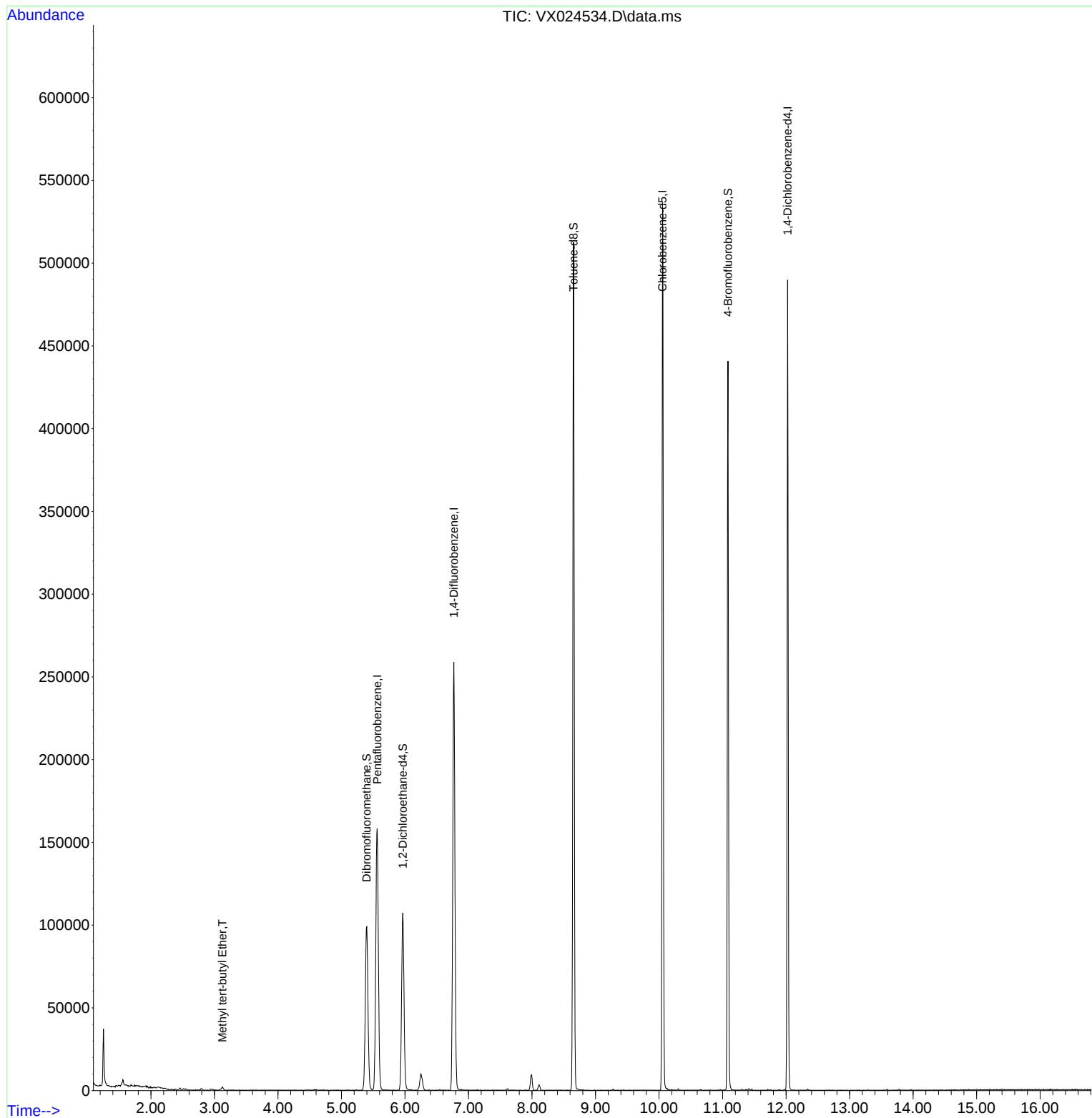
| Compound                    | R.T.   | QIon           | Response | Conc      | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|-----------|-------|----------|
| -----                       |        |                |          |           |       |          |
| Internal Standards          |        |                |          |           |       |          |
| 1) Pentafluorobenzene       | 5.562  | 168            | 149391   | 50.00     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.769  | 114            | 264044   | 50.00     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117            | 250817   | 50.00     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152            | 95343    | 50.00     | ug/l  | 0.00     |
| System Monitoring Compounds |        |                |          |           |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65             | 106297   | 50.49     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 78 - 117 | Recovery | = 100.98% |       |          |
| 35) Dibromofluoromethane    | 5.397  | 113            | 88547    | 50.48     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | = 100.96% |       |          |
| 50) Toluene-d8              | 8.653  | 98             | 290321   | 44.97     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 92 - 112 | Recovery | = 89.94%# |       |          |
| 62) 4-Bromofluorobenzene    | 11.085 | 95             | 119072   | 46.91     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 83 - 123 | Recovery | = 93.82%  |       |          |
| Target Compounds            |        |                |          |           |       | Qvalue   |
| 19) Methyl tert-butyl Ether | 3.123  | 73             | 2066     | 0.40      | ug/l  | # 86     |
| -----                       |        |                |          |           |       |          |

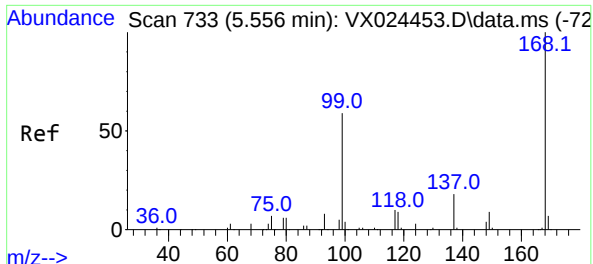
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2R

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Quant Title : SW846 8260  
QLast Update : Thu Sep 23 18:24:34 2021  
Response via : Initial Calibration

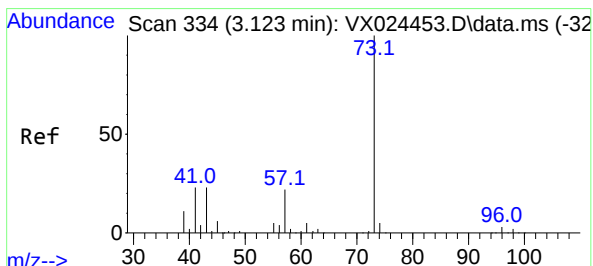
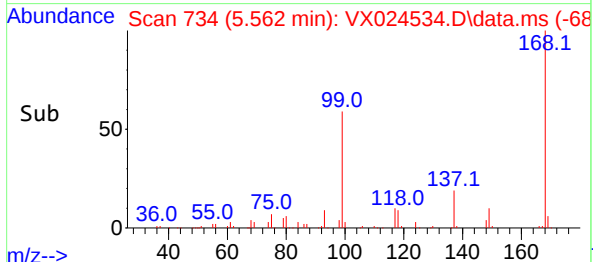
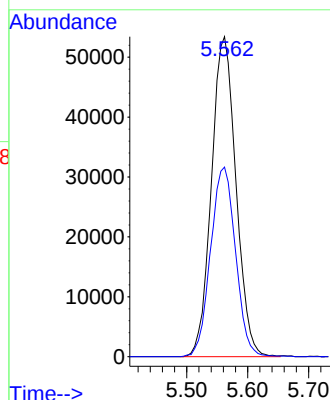
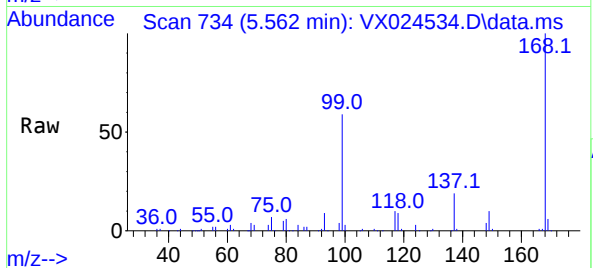




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.006 min  
Lab File: VX024534.D  
Acq: 04 Oct 2021 20:40

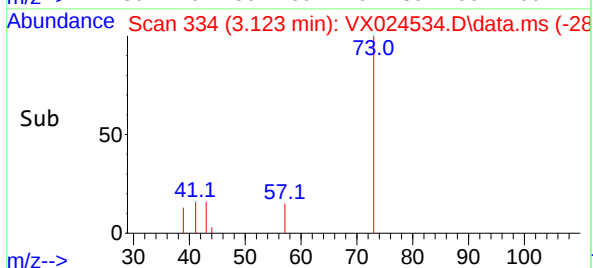
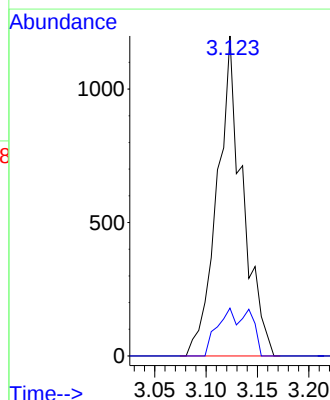
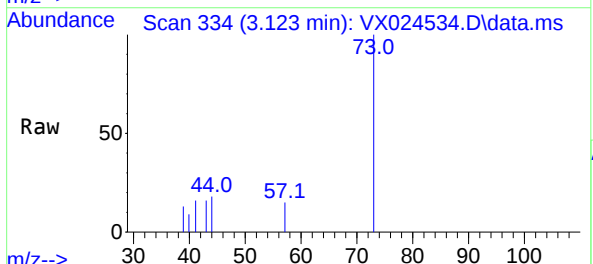
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2R

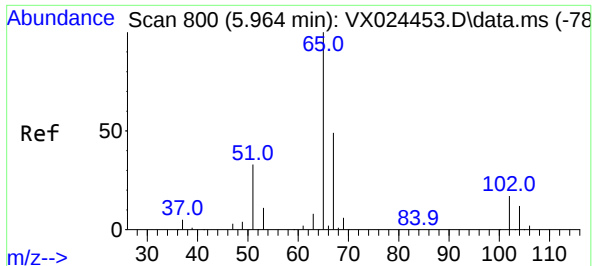
Tgt Ion:168 Resp: 149391  
Ion Ratio Lower Upper  
168 100  
99 59.2 45.8 68.6



#19  
Methyl tert-butyl Ether  
Concen: 0.40 ug/l  
RT: 3.123 min Scan# 334  
Delta R.T. 0.000 min  
Lab File: VX024534.D  
Acq: 04 Oct 2021 20:40

Tgt Ion: 73 Resp: 2066  
Ion Ratio Lower Upper  
73 100  
57 14.9 17.1 25.7#

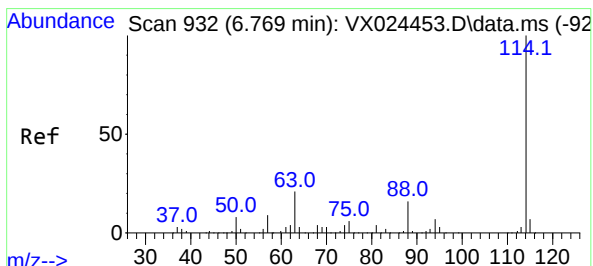
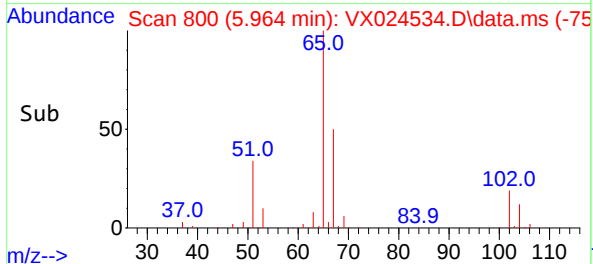
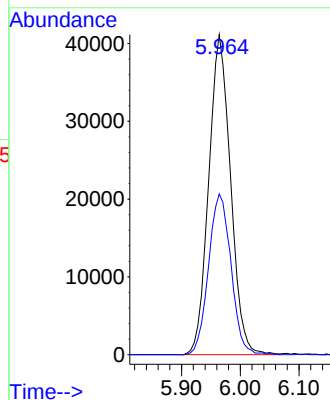
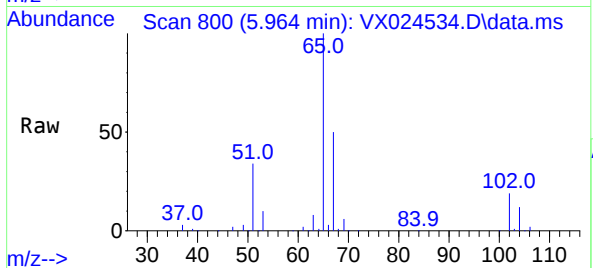




#33  
1,2-Dichloroethane-d4  
Concen: 50.49 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX024534.D  
Acq: 04 Oct 2021 20:40

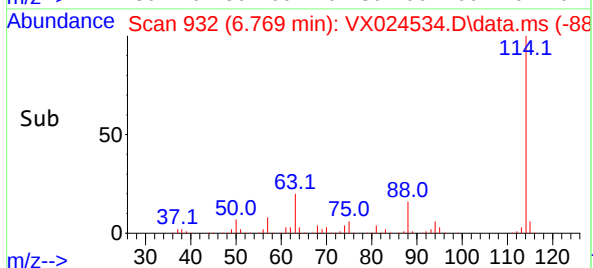
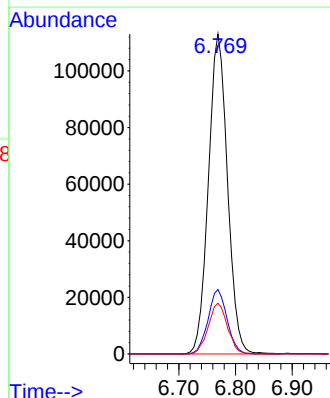
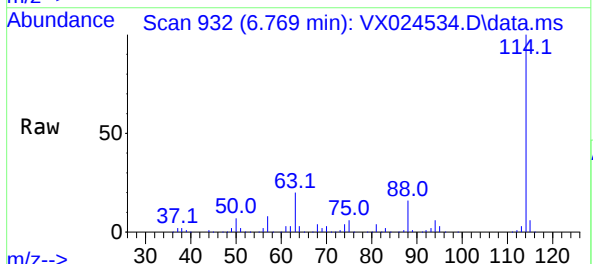
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2R

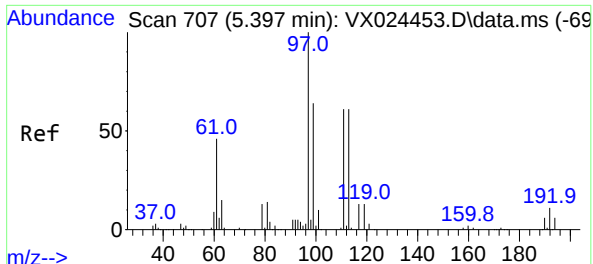
Tgt Ion: 65 Resp: 106297  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 105.4



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX024534.D  
Acq: 04 Oct 2021 20:40

Tgt Ion:114 Resp: 264044  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 40.8  
88 15.9 0.0 32.8

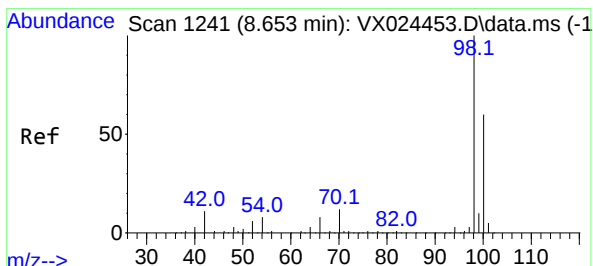
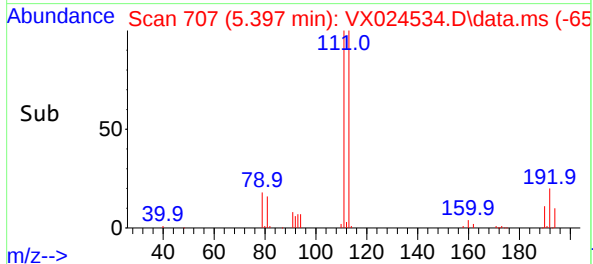
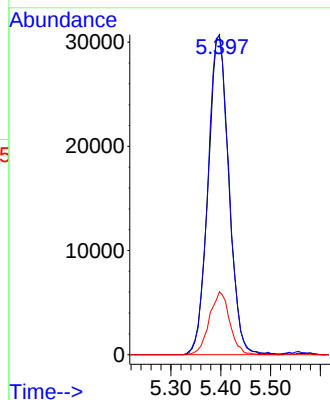
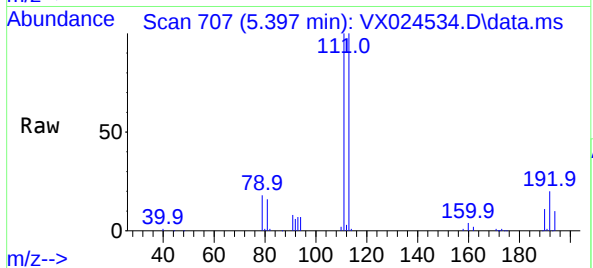




#35  
Dibromofluoromethane  
Concen: 50.48 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX024534.D  
Acq: 04 Oct 2021 20:40

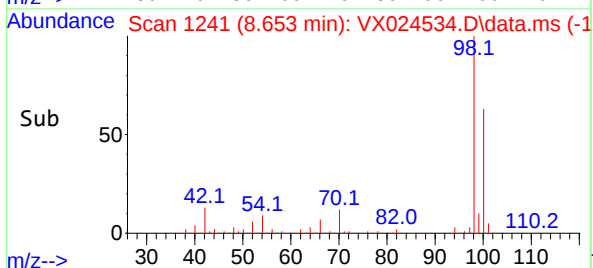
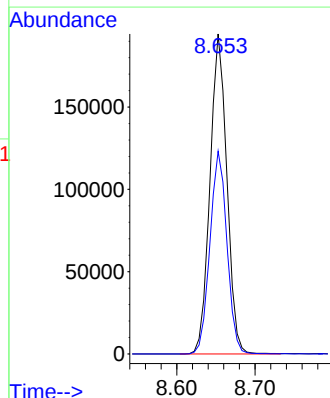
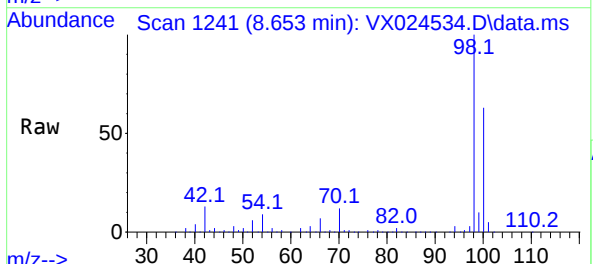
Instrument :  
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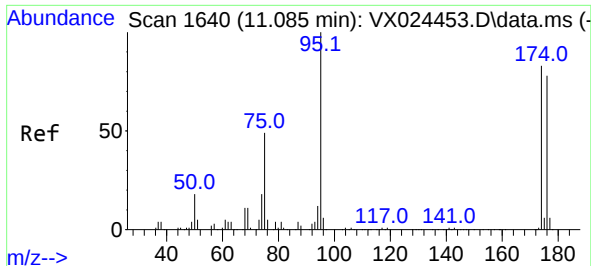
Tgt Ion:113 Resp: 88547  
Ion Ratio Lower Upper  
113 100  
111 100.8 81.9 122.9  
192 19.3 16.7 25.1



#50  
Toluene-d8  
Concen: 44.97 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX024534.D  
Acq: 04 Oct 2021 20:40

Tgt Ion: 98 Resp: 290321  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.9 77.9

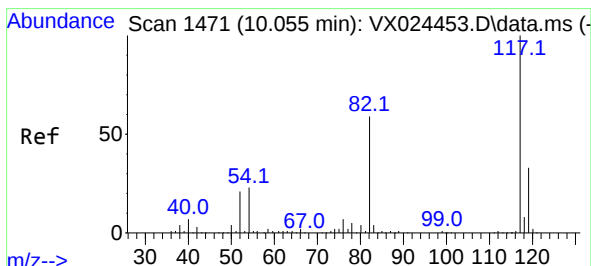
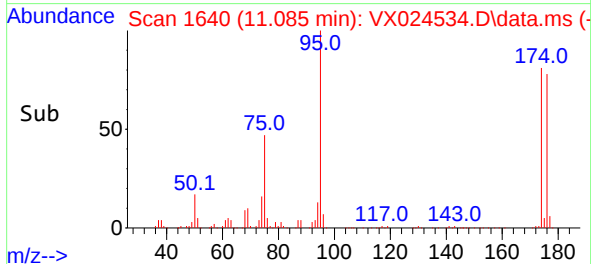
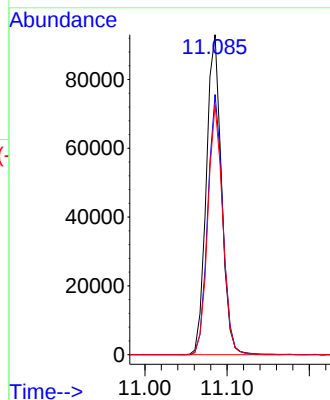
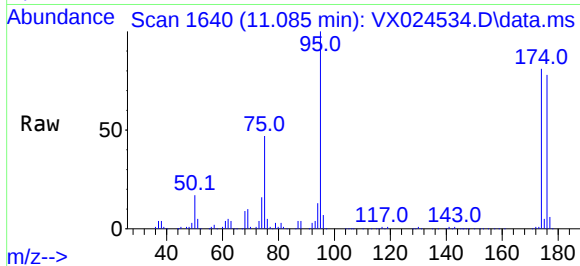




#62  
4-Bromofluorobenzene  
Concen: 46.91 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024534.D  
Acq: 04 Oct 2021 20:40

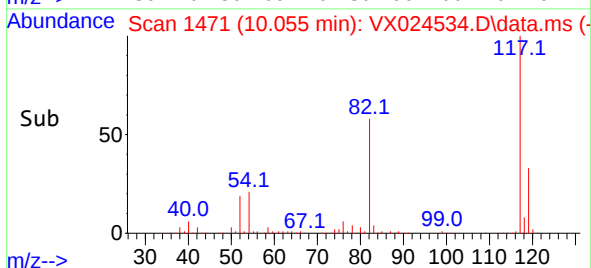
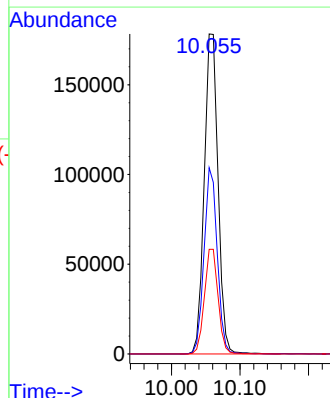
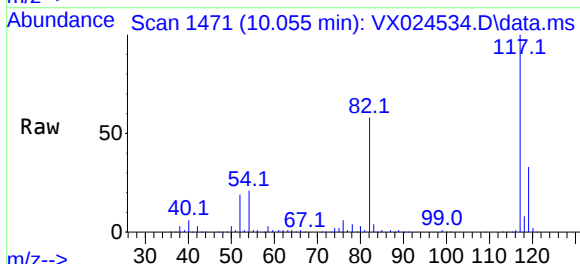
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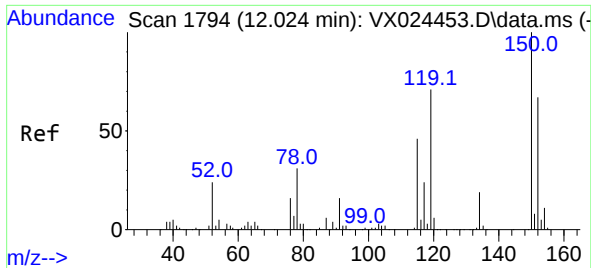
Tgt Ion: 95 Resp: 119072  
Ion Ratio Lower Upper  
95 100  
174 80.4 0.0 154.6  
176 76.7 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX024534.D  
Acq: 04 Oct 2021 20:40

Tgt Ion: 117 Resp: 250817  
Ion Ratio Lower Upper  
117 100  
82 58.2 47.4 71.2  
119 32.7 26.6 39.8





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX024534.D  
 Acq: 04 Oct 2021 20:40

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2R

Tgt Ion:152 Resp: 95343  
 Ion Ratio Lower Upper  
 152 100  
 115 59.8 41.1 123.3  
 150 155.9 0.0 349.0

