

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101023\  
 Data File : VN079505.D  
 Acq On : 10 Oct 2023 20:01  
 Operator : JC\MD  
 Sample : 04819-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SW-AP-03-100923

Quant Time: Oct 11 06:24:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 03:34:49 2023  
 Response via : Initial Calibration

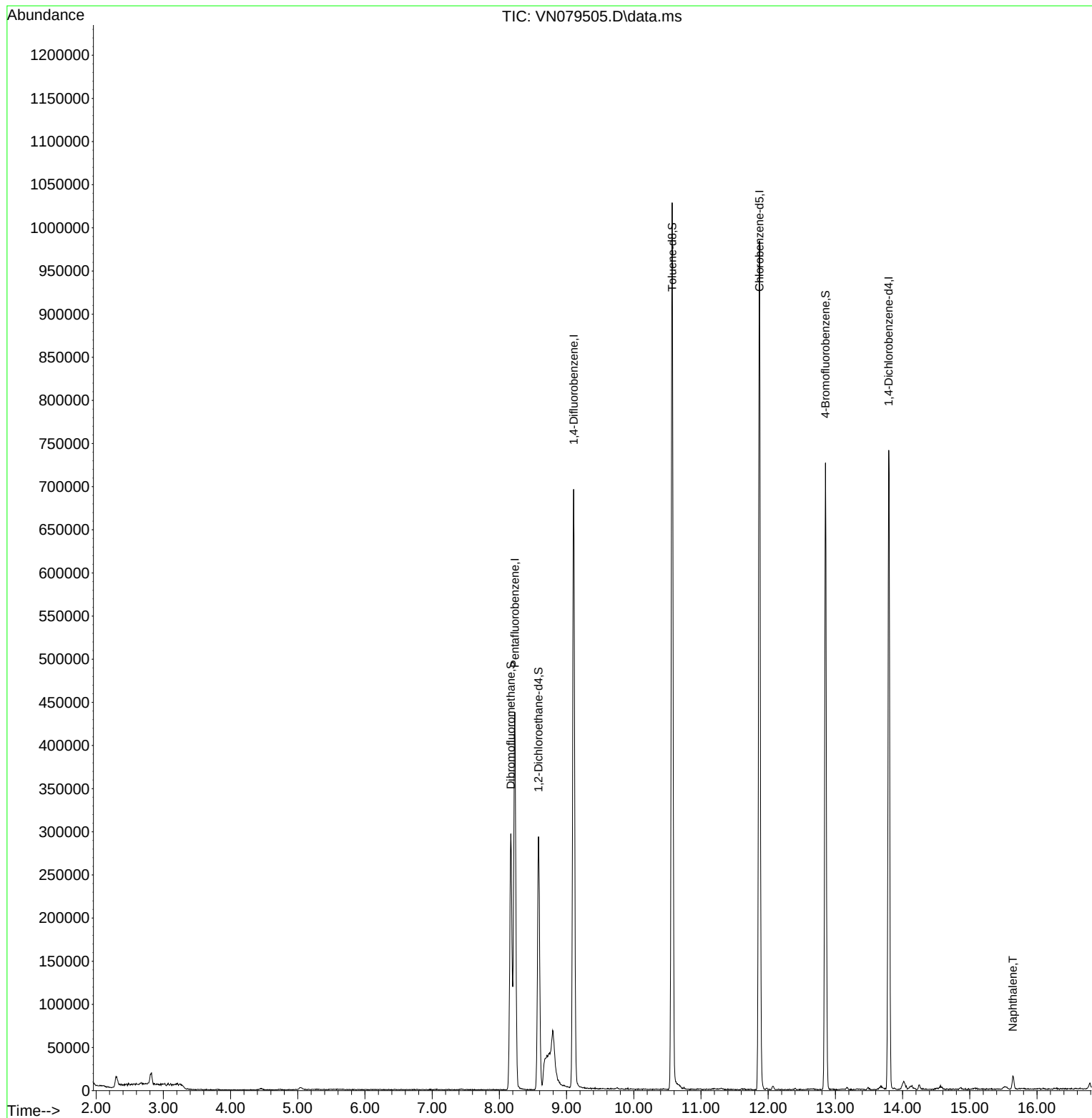
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Pentafluorobenzene       | 8.230  | 168   | 311955   | 50.000   | ug/l  | 0.00        |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 602907   | 50.000   | ug/l  | 0.00        |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 555838   | 50.000   | ug/l  | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 191627   | 50.000   | ug/l  | 0.00        |
| System Monitoring Compounds |        |       |          |          |       |             |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 230773   | 45.624   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 91.240%     |
| 35) Dibromofluoromethane    | 8.171  | 113   | 210918   | 48.680   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 97.360%     |
| 50) Toluene-d8              | 10.571 | 98    | 698220   | 44.538   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 89.080%     |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 241644   | 48.030   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 96.060%     |
| Target Compounds            |        |       |          |          |       |             |
| 95) Naphthalene             | 15.641 | 128   | 14151    | 2.212    | ug/l  | Qvalue # 95 |
| -----                       |        |       |          |          |       |             |

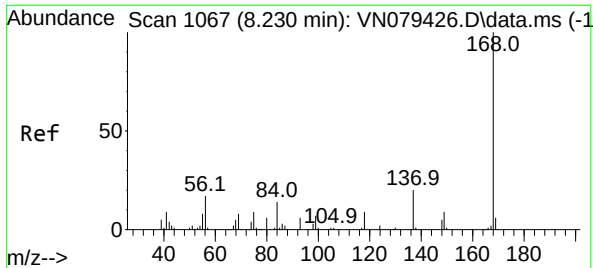
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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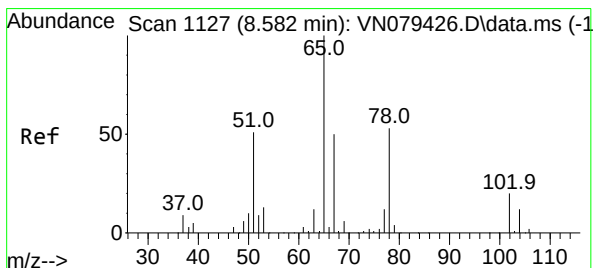
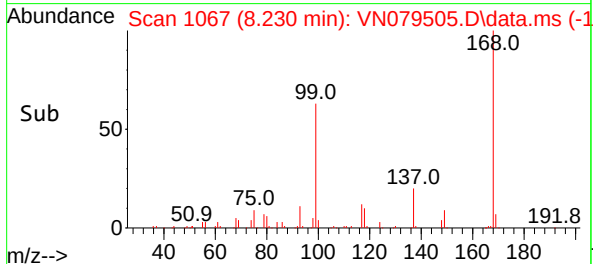
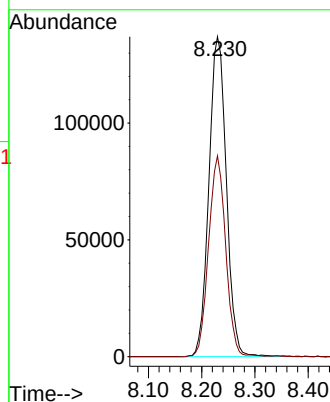
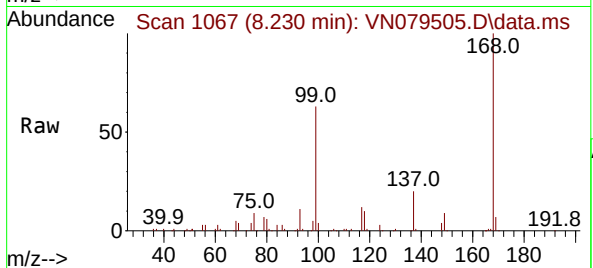




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN079505.D  
Acq: 10 Oct 2023 20:01

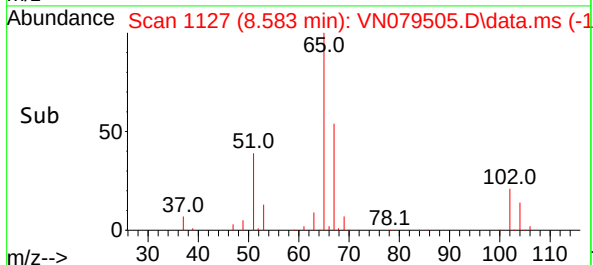
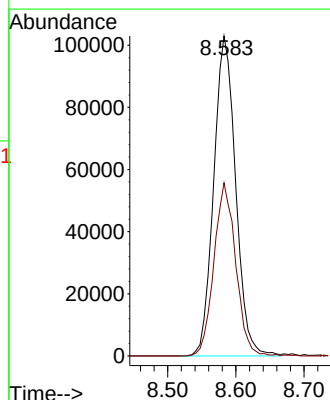
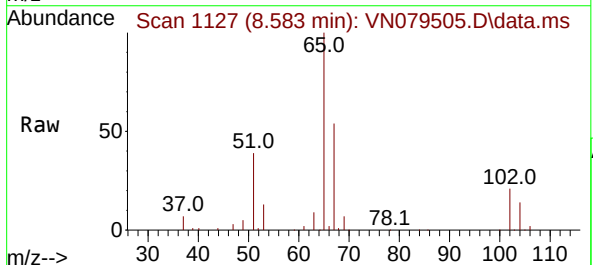
Instrument :  
MSVOA\_N  
ClientSampleId :  
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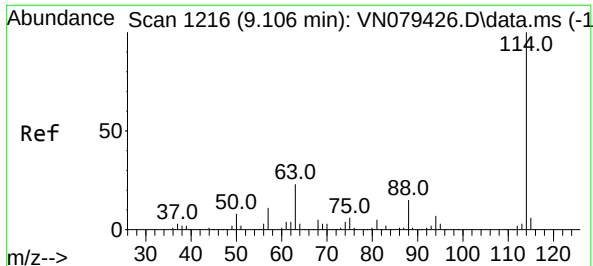
Tgt Ion:168 Resp: 311955  
Ion Ratio Lower Upper  
168 100  
99 62.8 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 45.624 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN079505.D  
Acq: 10 Oct 2023 20:01

Tgt Ion: 65 Resp: 230773  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079505.D

Acq: 10 Oct 2023 20:01

Instrument :

MSVOA\_N

ClientSampleId :

SW-AP-03-100923

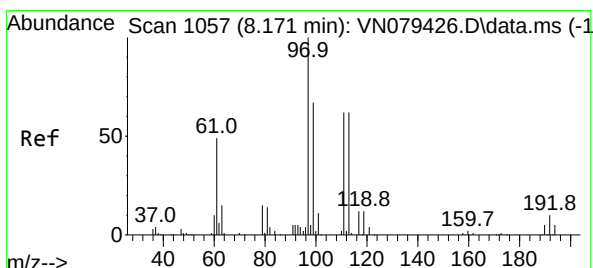
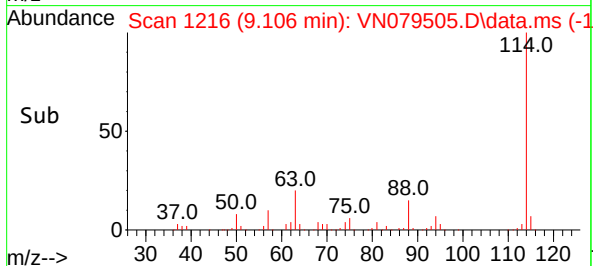
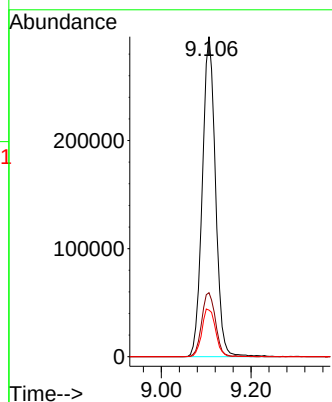
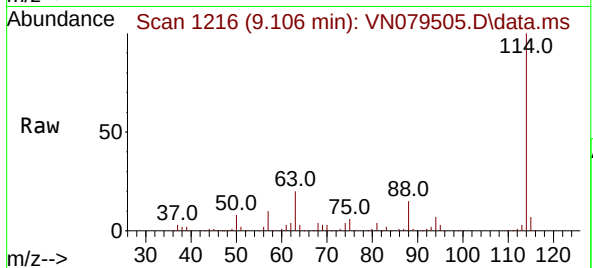
Tgt Ion:114 Resp: 602907

Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.680 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079505.D

Acq: 10 Oct 2023 20:01

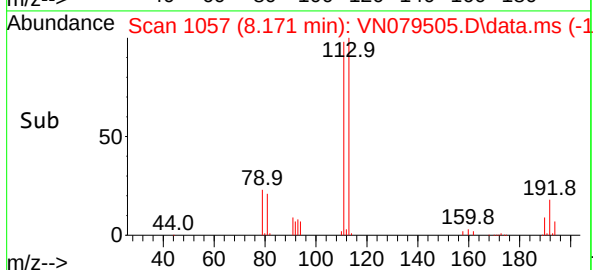
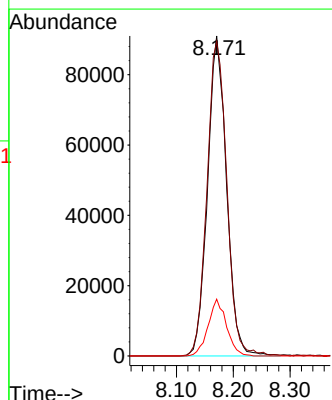
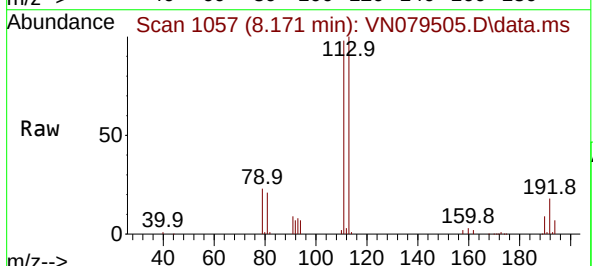
Tgt Ion:113 Resp: 210918

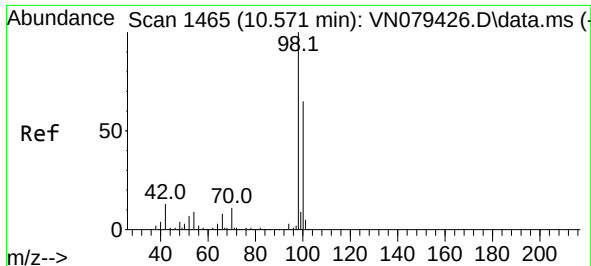
Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 17.2 12.7 19.1

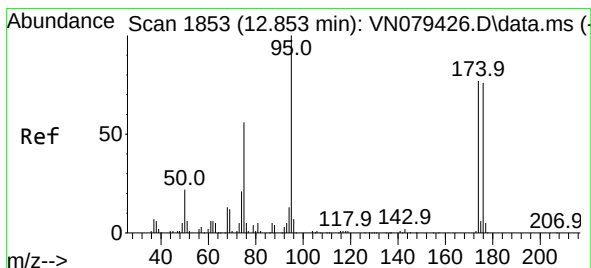
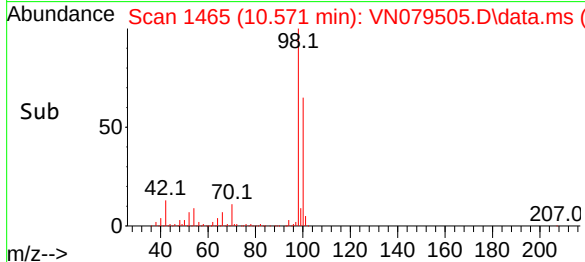
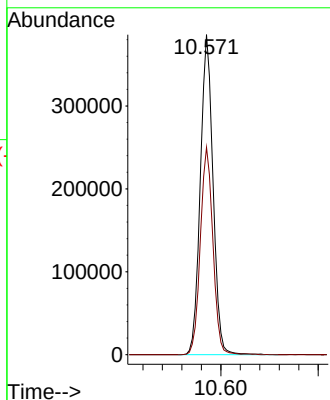
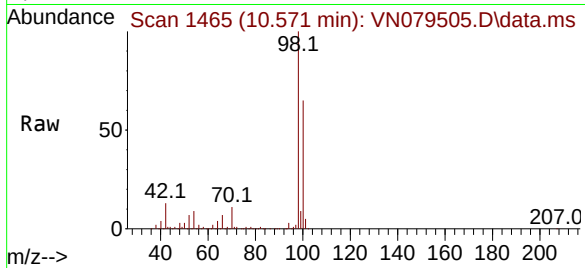




#50  
Toluene-d8  
Concen: 44.538 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN079505.D  
Acq: 10 Oct 2023 20:01

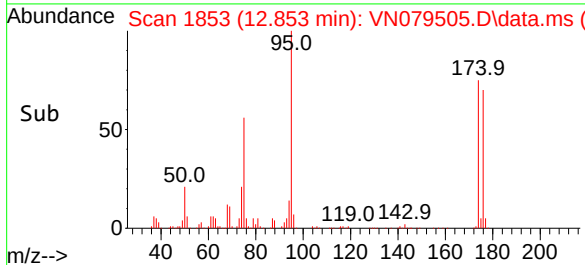
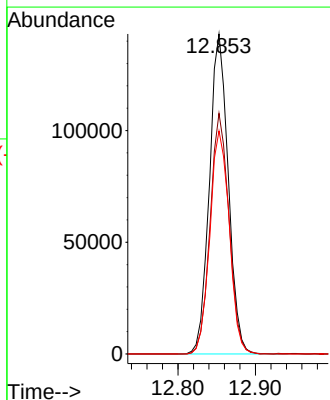
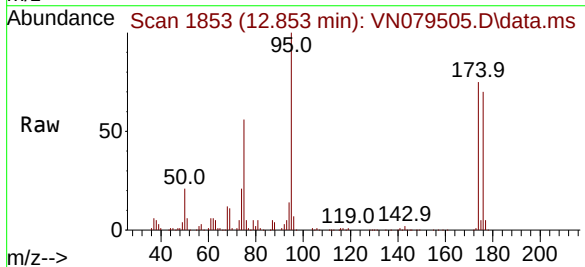
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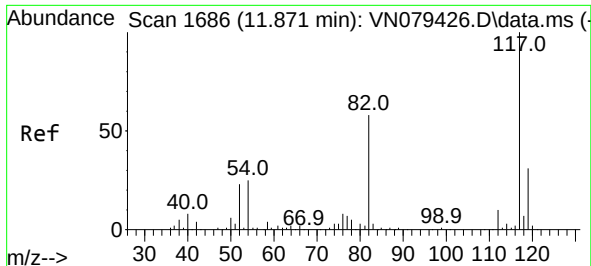
Tgt Ion: 98 Resp: 698220  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 48.030 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN079505.D  
Acq: 10 Oct 2023 20:01

Tgt Ion: 95 Resp: 241644  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 143.8  
176 71.7 0.0 135.8

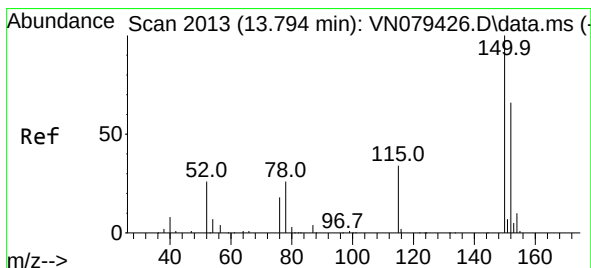
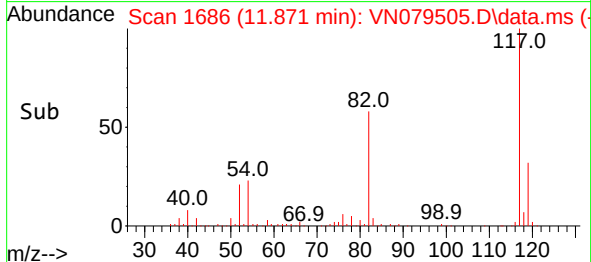
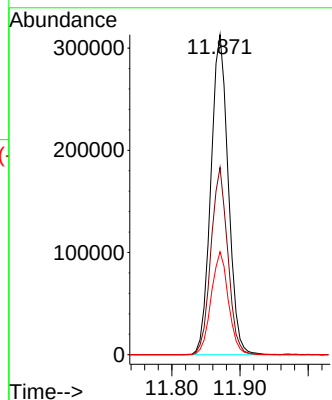
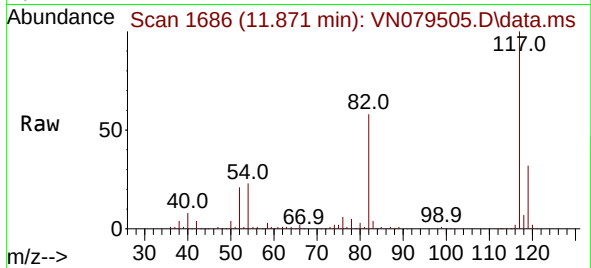




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079505.D  
Acq: 10 Oct 2023 20:01

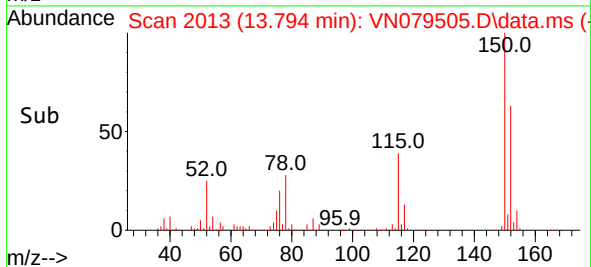
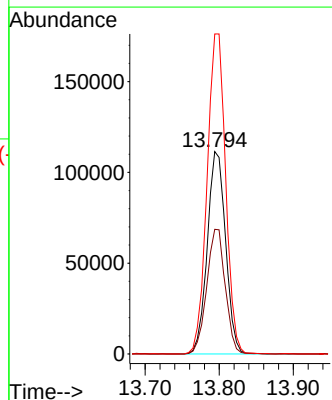
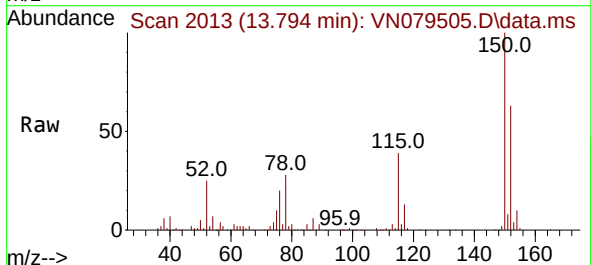
Instrument :  
MSVOA\_N  
ClientSampleId :  
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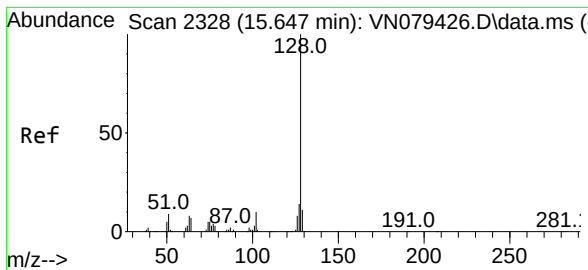
Tgt Ion:117 Resp: 555838  
Ion Ratio Lower Upper  
117 100  
82 58.5 44.0 66.0  
119 32.2 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: VN079505.D  
Acq: 10 Oct 2023 20:01

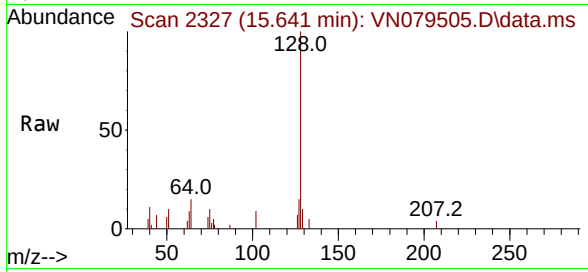
Tgt Ion:152 Resp: 191627  
Ion Ratio Lower Upper  
152 100  
115 62.3 32.3 96.8  
150 160.0 0.0 355.8





#95  
Naphthalene  
Concen: 2.212 ug/l  
RT: 15.641 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN079505.D  
Acq: 10 Oct 2023 20:01

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 14151 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 15.8  | 10.0  | 15.0# |
| 129      | 11.4  | 8.7   | 13.1  |

