

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010523\  
 Data File : VN076117.D  
 Acq On : 05 Jan 2023 17:40  
 Operator : JC\MD  
 Sample : 01045-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-SAMPLE-TANK-11-12-31-32-33

Quant Time: Jan 05 23:51:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.236  | 168  | 307249   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 489490   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 411999   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 167764   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 160730   | 48.086   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 96.180% |
| 35) Dibromofluoromethane    | 8.177  | 113   | 147526   | 48.667   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 97.340% |
| 50) Toluene-d8              | 10.571 | 98    | 546602   | 48.227   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 96.460% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 165717   | 44.145   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 88.300% |

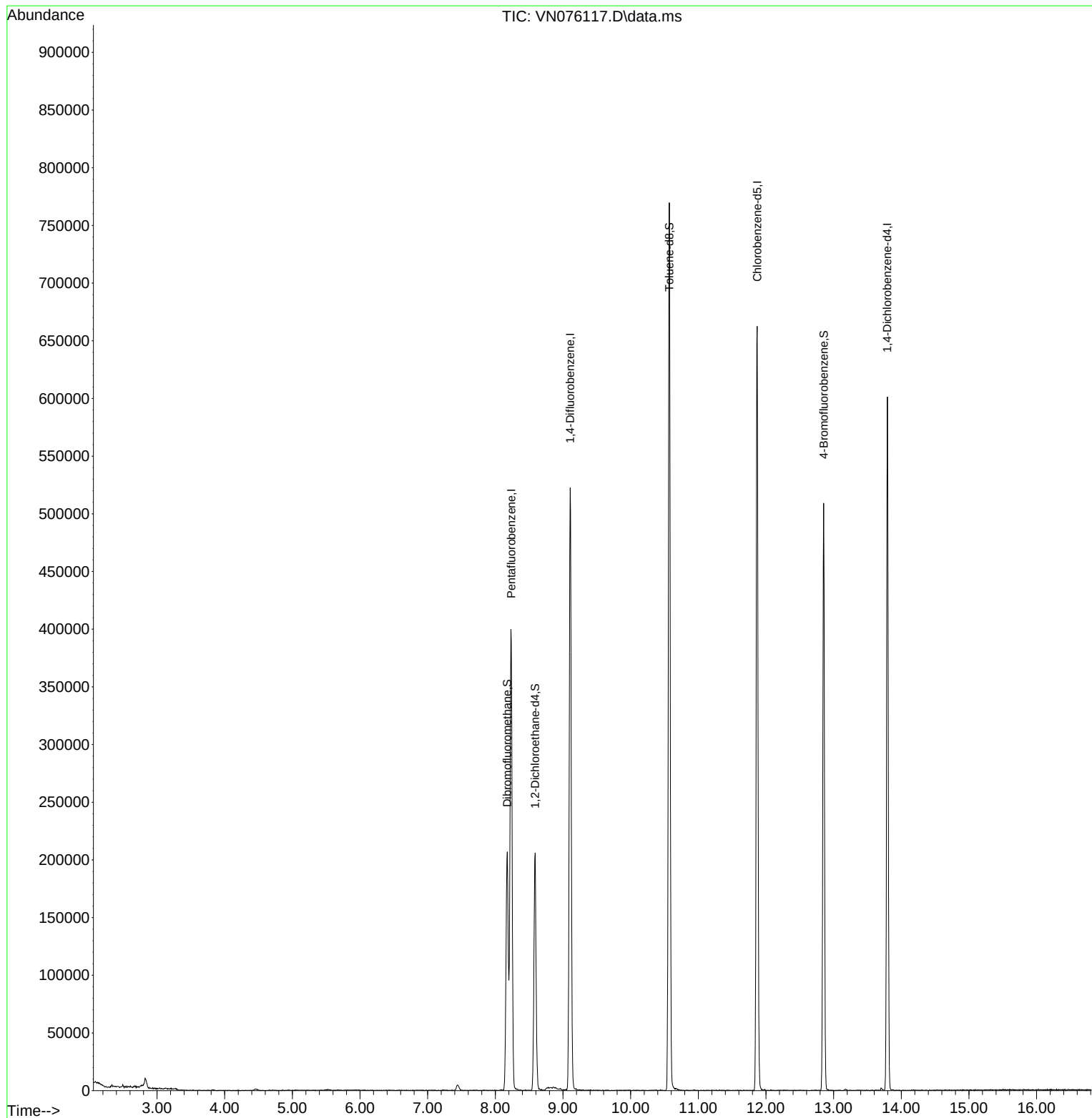
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

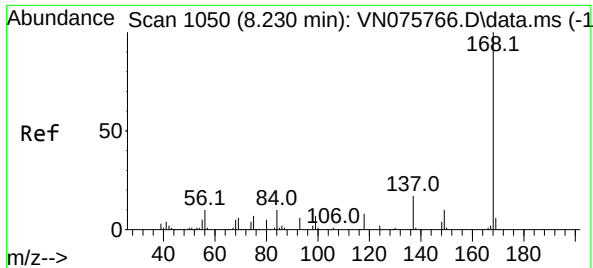
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Dec 14 13:03:41 2022  
Response via : Initial Calibration

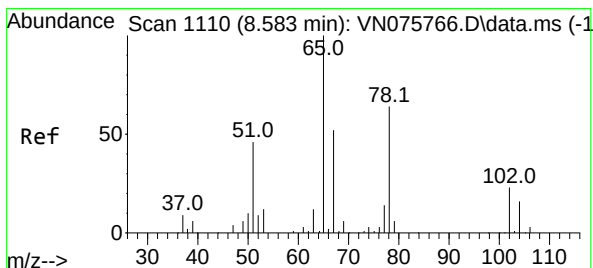
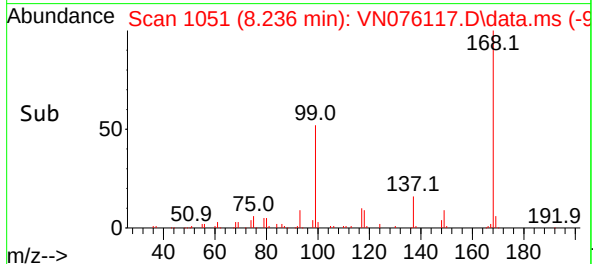
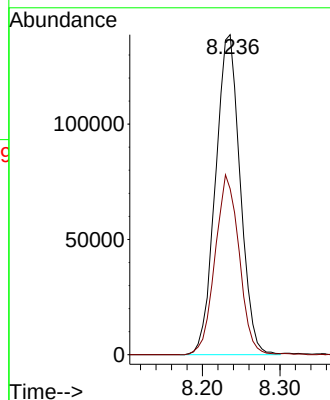
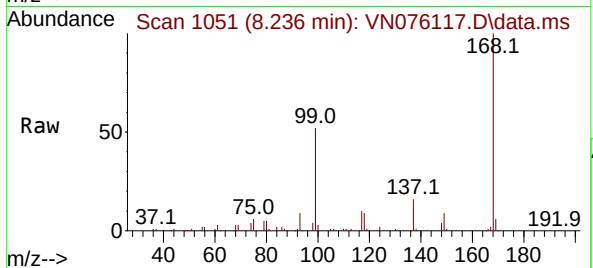




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 1050  
Delta R.T. 0.006 min  
Lab File: VN076117.D  
Acq: 05 Jan 2023 17:40

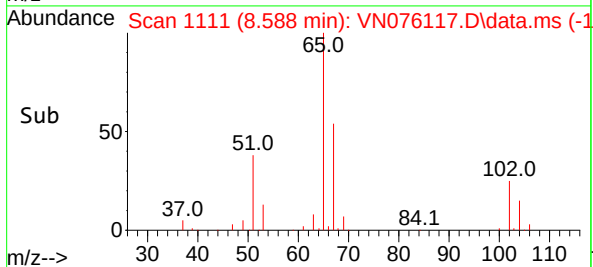
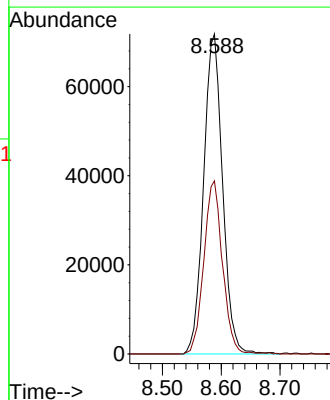
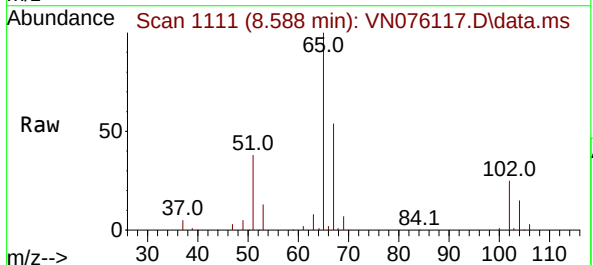
Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-SAMPLE-TANK-11-12-31-32-33

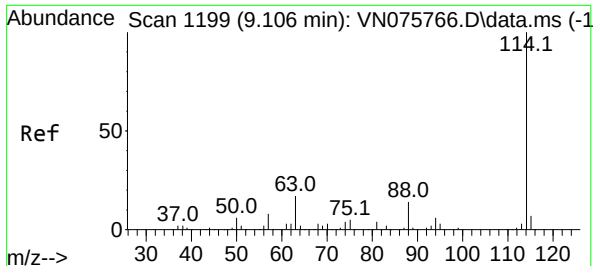
Tgt Ion:168 Resp: 307249  
Ion Ratio Lower Upper  
168 100  
99 51.9 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 48.086 ug/l  
RT: 8.588 min Scan# 1111  
Delta R.T. 0.006 min  
Lab File: VN076117.D  
Acq: 05 Jan 2023 17:40

Tgt Ion: 65 Resp: 160730  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076117.D

Acq: 05 Jan 2023 17:40

Instrument :

MSVOA\_N

ClientSampleId :

COMP-SAMPLE-TANK-11-12-31-32-33

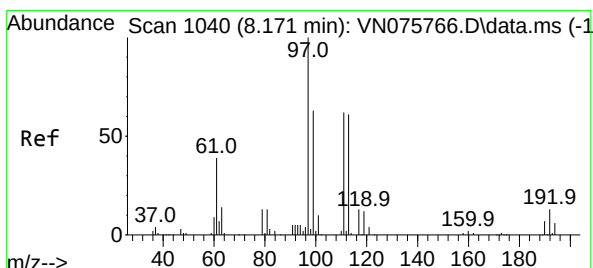
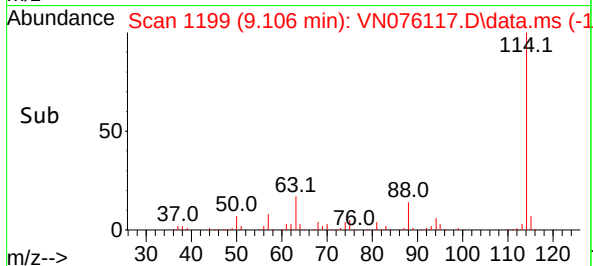
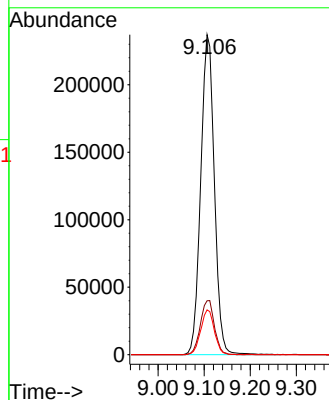
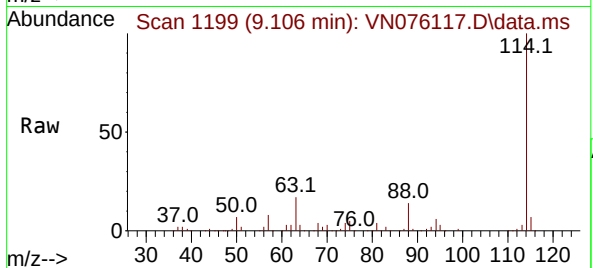
Tgt Ion:114 Resp: 489490

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.4

88 14.0 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.667 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076117.D

Acq: 05 Jan 2023 17:40

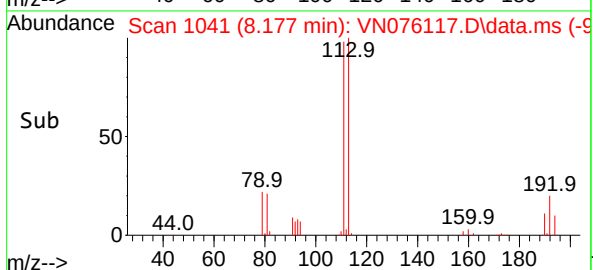
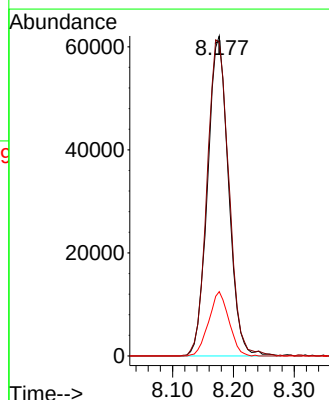
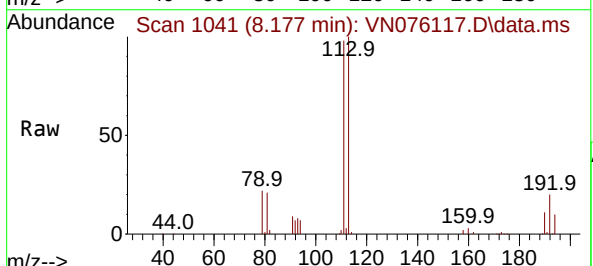
Tgt Ion:113 Resp: 147526

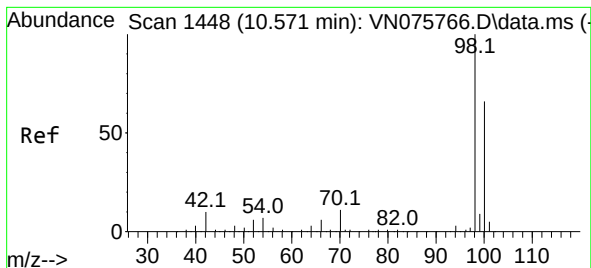
Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.2

192 19.5 16.1 24.1

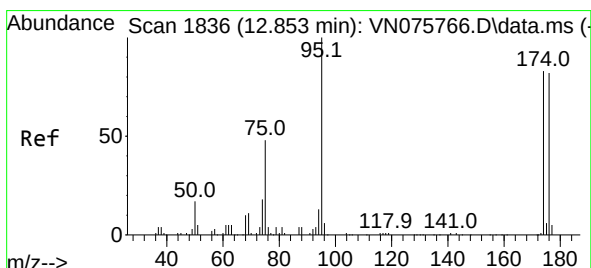
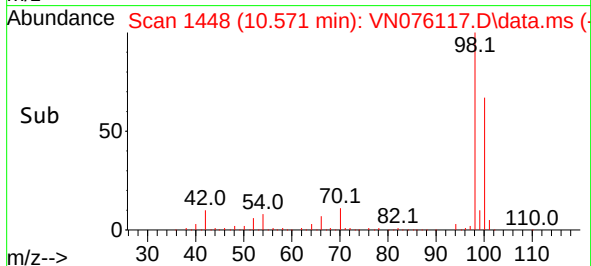
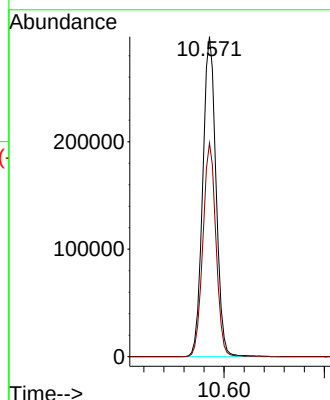
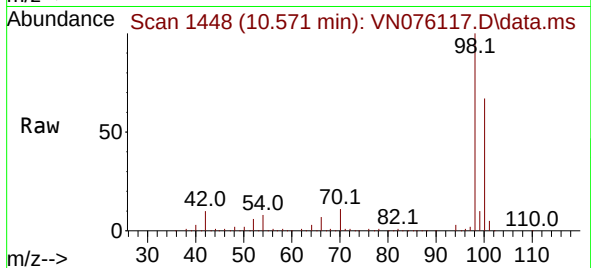




#50  
Toluene-d8  
Concen: 48.227 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN076117.D  
Acq: 05 Jan 2023 17:40

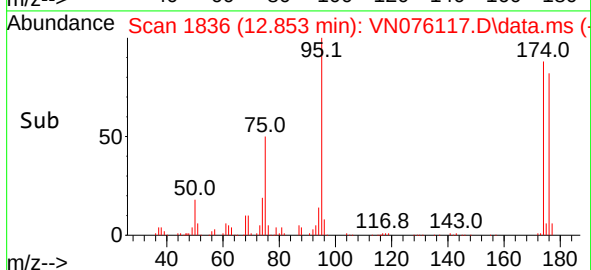
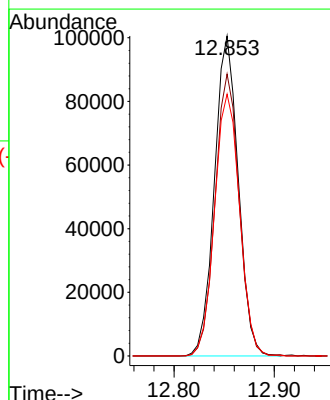
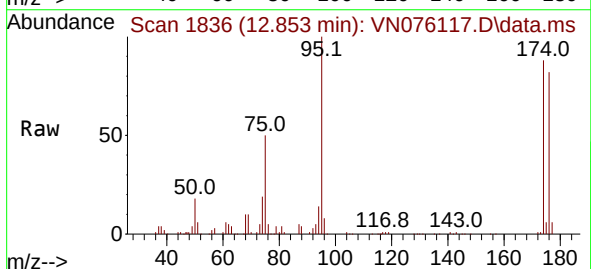
Instrument : MSVOA\_N  
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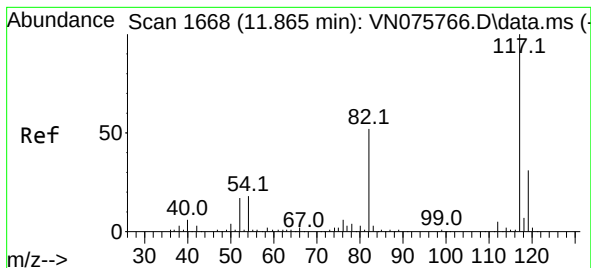
Tgt Ion: 98 Resp: 546602  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 44.145 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN076117.D  
Acq: 05 Jan 2023 17:40

Tgt Ion: 95 Resp: 165717  
Ion Ratio Lower Upper  
95 100  
174 89.0 0.0 171.6  
176 86.1 0.0 169.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076117.D

Acq: 05 Jan 2023 17:40

Instrument :

MSVOA\_N

ClientSampleId :

COMP-SAMPLE-TANK-11-12-31-32-33

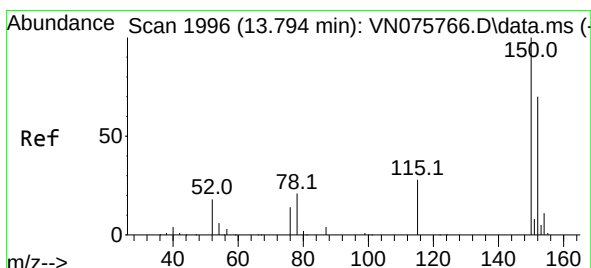
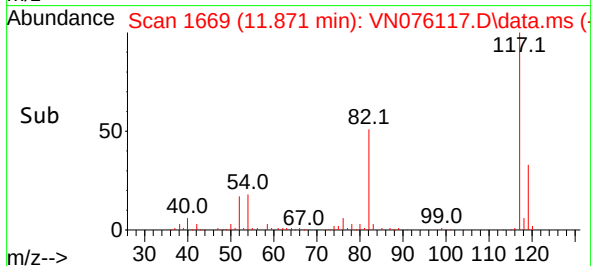
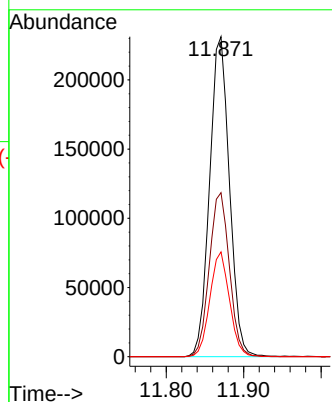
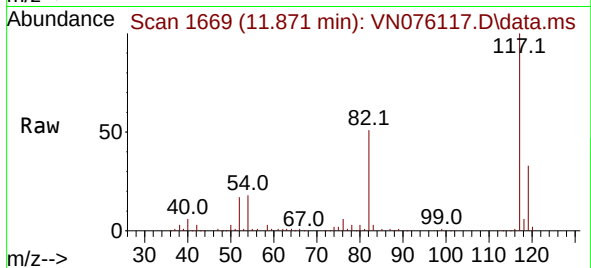
Tgt Ion:117 Resp: 411999

Ion Ratio Lower Upper

117 100

82 51.3 41.3 61.9

119 32.7 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN076117.D

Acq: 05 Jan 2023 17:40

Tgt Ion:152 Resp: 167764

Ion Ratio Lower Upper

152 100

115 58.3 29.1 87.4

150 157.9 0.0 347.0

