

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121621\  
 Data File : VN070128.D  
 Acq On : 16 Dec 2021 10:58  
 Operator : JC/MD  
 Sample : VN1216MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1216MBL01

Quant Time: Dec 16 15:45:20 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 03 08:46:47 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.086  | 168  | 1048538  | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.968  | 114  | 2009080  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.747 | 117  | 2301039  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.678 | 152  | 896000   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.440  | 65    | 837554   | 51.735   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 103.460% |
| 35) Dibromofluoromethane    | 8.024  | 113   | 591940   | 47.037   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 94.080%  |
| 50) Toluene-d8              | 10.443 | 98    | 2646720  | 52.378   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 104.760% |
| 62) 4-Bromofluorobenzene    | 12.734 | 95    | 1102098  | 60.204   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 120.400% |

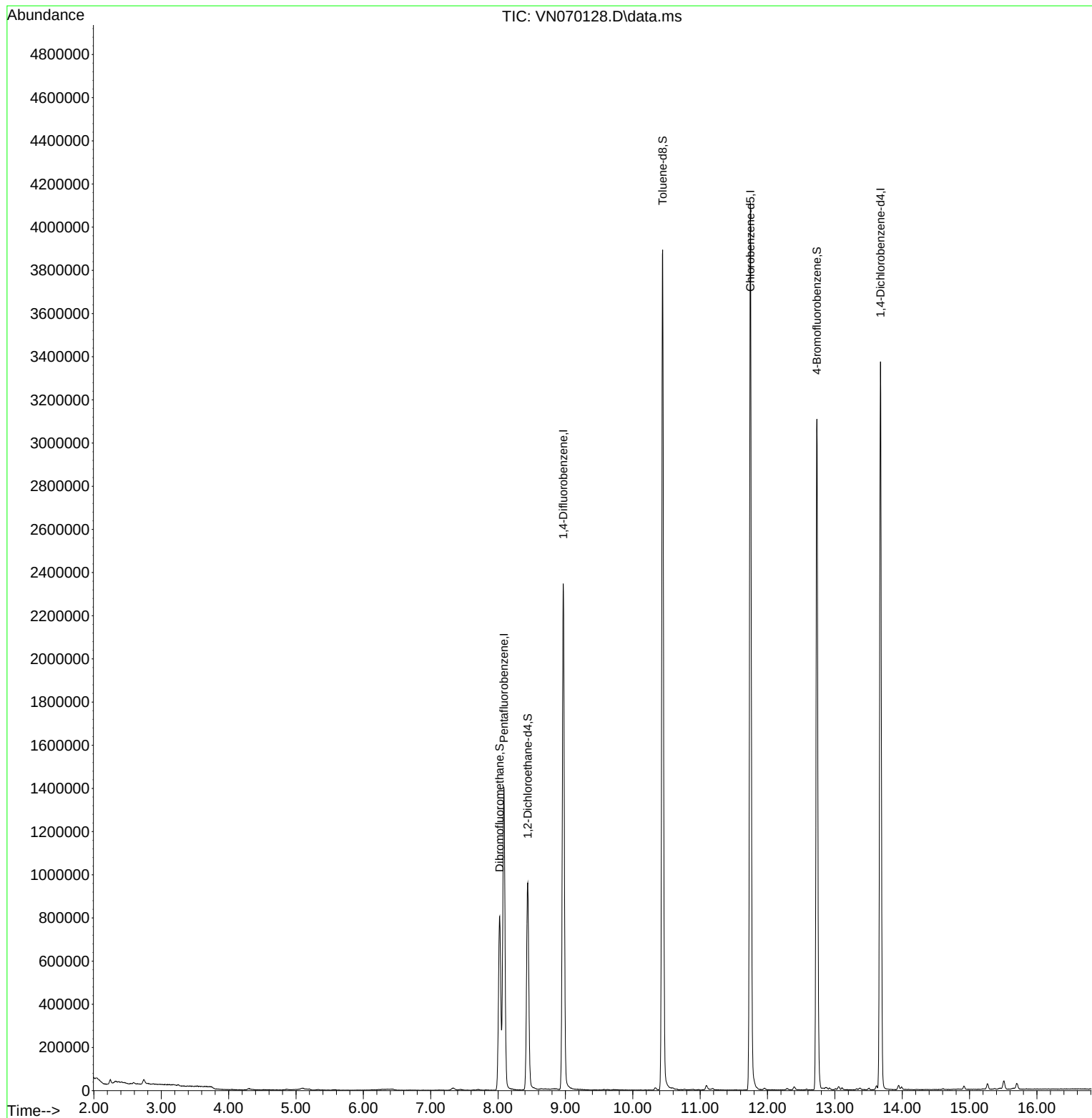
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

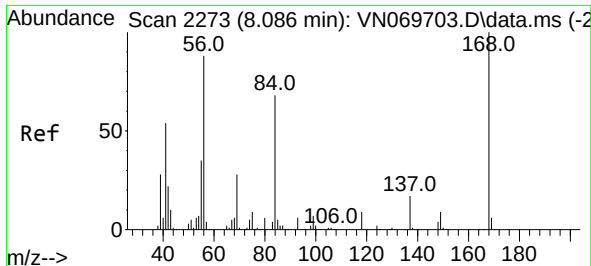
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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Quant Title : SW846 8260  
QLast Update : Fri Dec 03 08:46:47 2021  
Response via : Initial Calibration

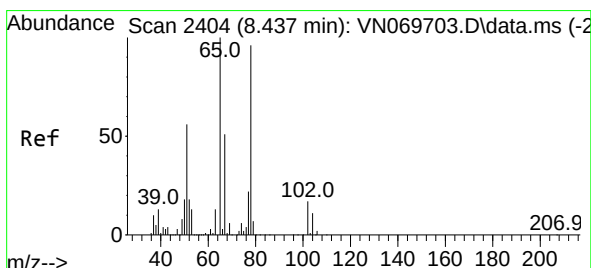
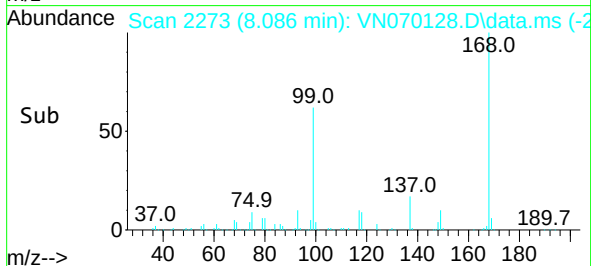
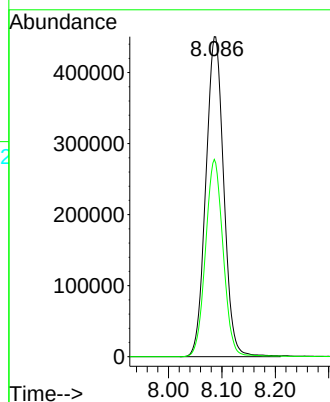
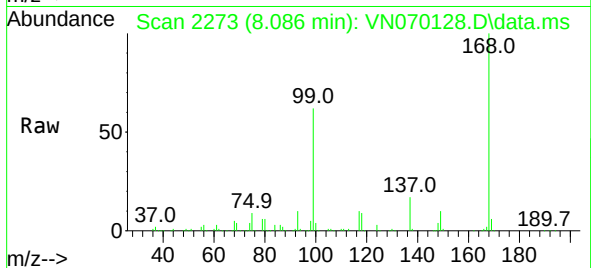




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN070128.D  
Acq: 16 Dec 2021 10:58

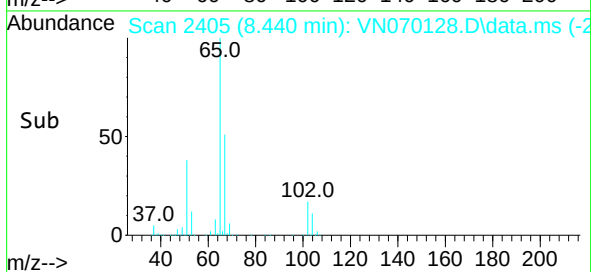
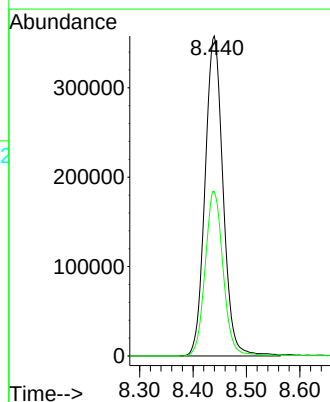
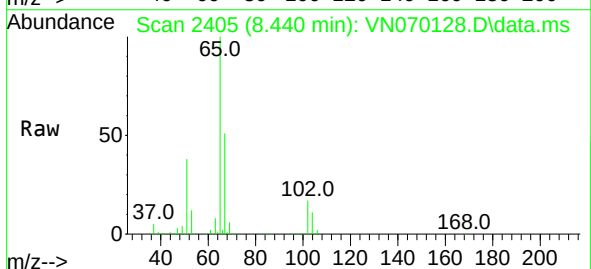
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216MBL01

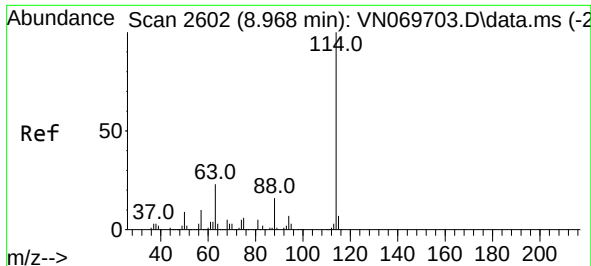
Tgt Ion:168 Resp: 1048538  
Ion Ratio Lower Upper  
168 100  
99 61.6 41.3 61.9



#33  
1,2-Dichloroethane-d4  
Concen: 51.735 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.003 min  
Lab File: VN070128.D  
Acq: 16 Dec 2021 10:58

Tgt Ion: 65 Resp: 837554  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 103.0

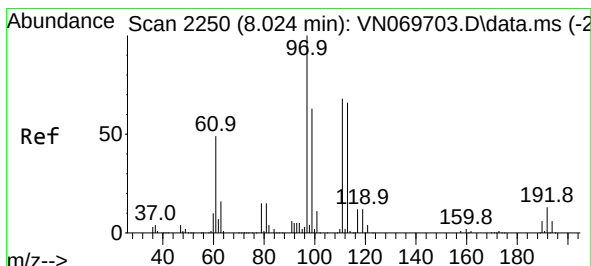
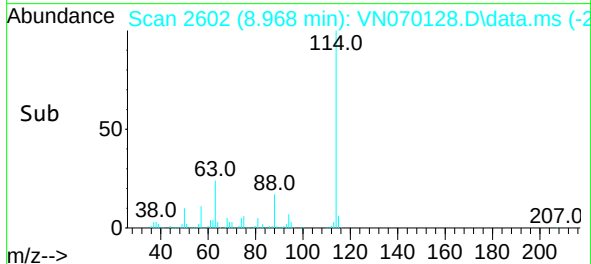
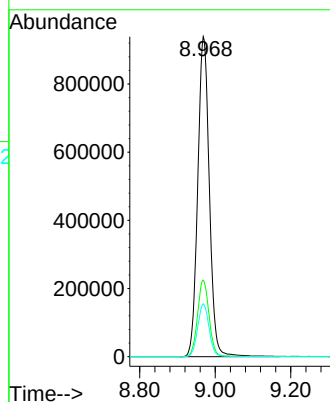
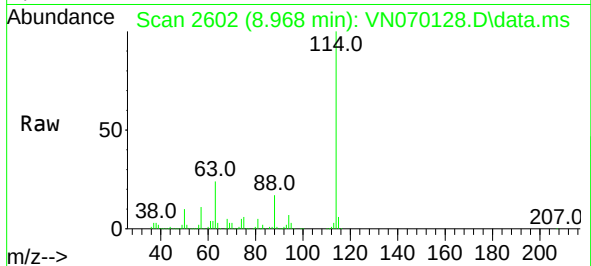




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.968 min Scan# 2602  
Delta R.T. 0.000 min  
Lab File: VN070128.D  
Acq: 16 Dec 2021 10:58

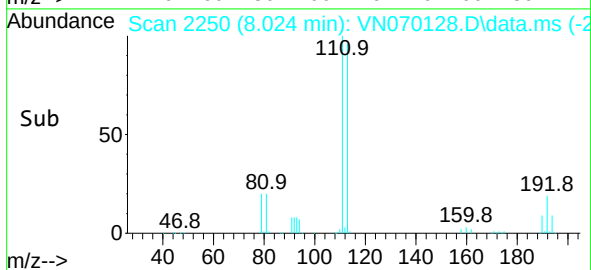
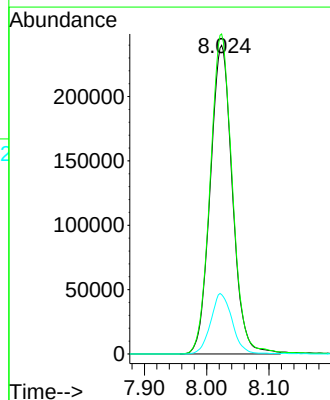
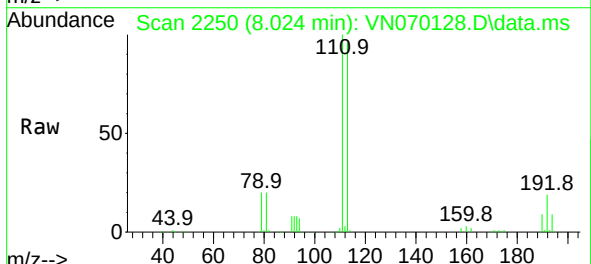
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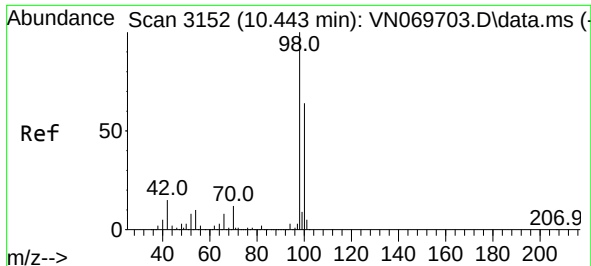
Tgt Ion:114 Resp: 2009080  
Ion Ratio Lower Upper  
114 100  
63 24.0 0.0 37.8  
88 16.5 0.0 27.4



#35  
Dibromofluoromethane  
Concen: 47.037 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.000 min  
Lab File: VN070128.D  
Acq: 16 Dec 2021 10:58

Tgt Ion:113 Resp: 591940  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.2 123.2  
192 18.9 16.9 25.3

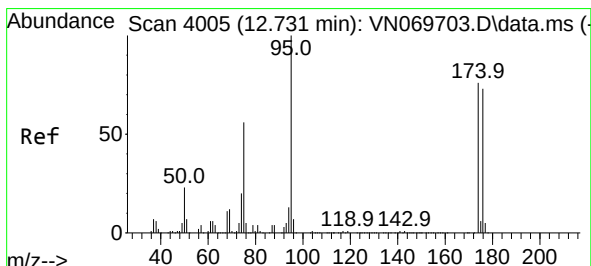
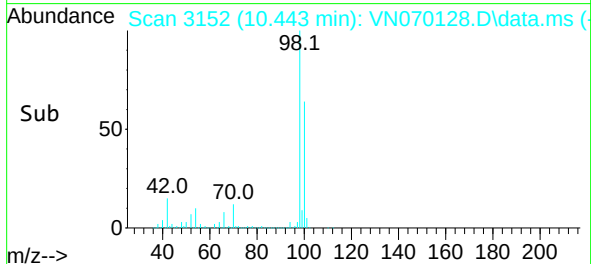
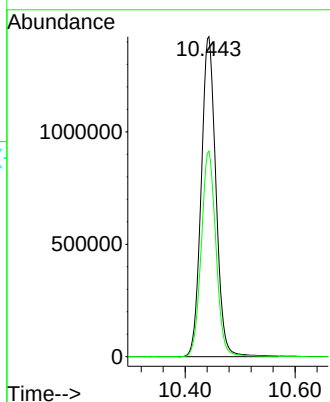
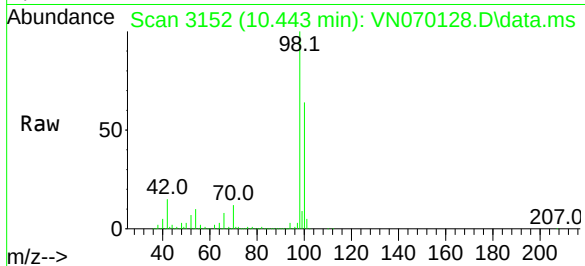




#50  
Toluene-d8  
Concen: 52.378 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN070128.D  
Acq: 16 Dec 2021 10:58

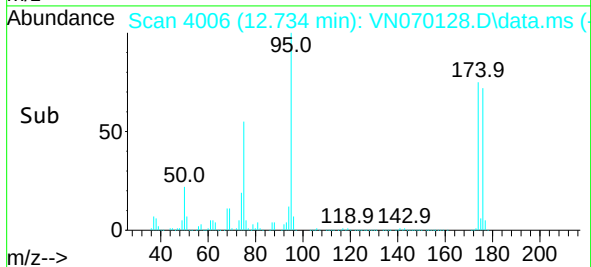
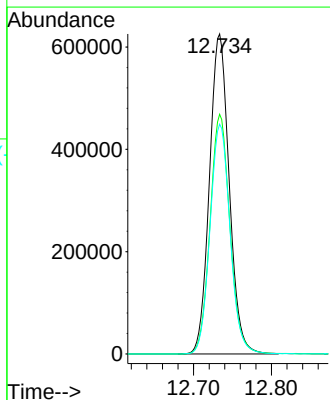
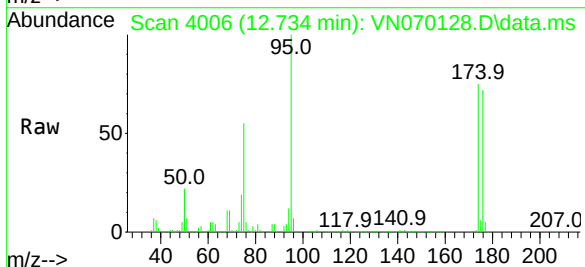
Instrument :  
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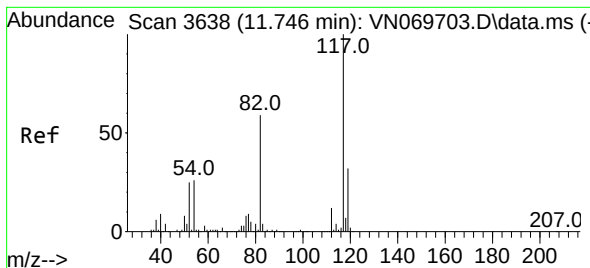
Tgt Ion: 98 Resp: 2646720  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.4 75.6



#62  
4-Bromofluorobenzene  
Concen: 60.204 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.003 min  
Lab File: VN070128.D  
Acq: 16 Dec 2021 10:58

Tgt Ion: 95 Resp: 1102098  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 187.2  
176 72.7 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.747 min Scan# 3638

Delta R.T. 0.001 min

Lab File: VN070128.D

Acq: 16 Dec 2021 10:58

Instrument :

MSVOA\_N

ClientSampleId :

VN1216MBL01

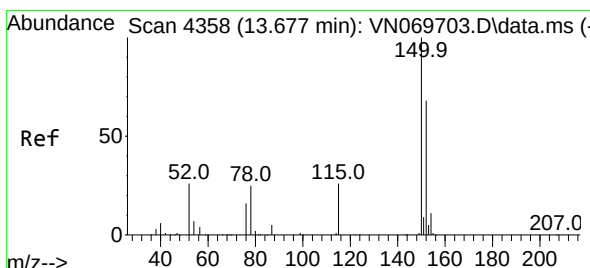
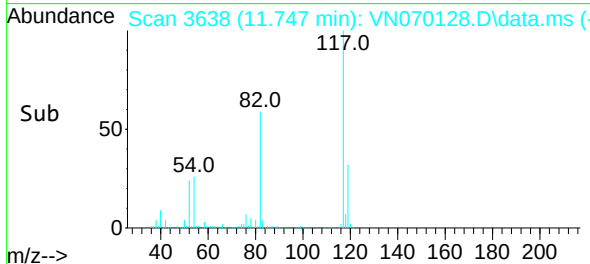
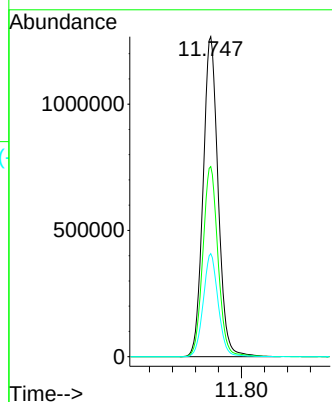
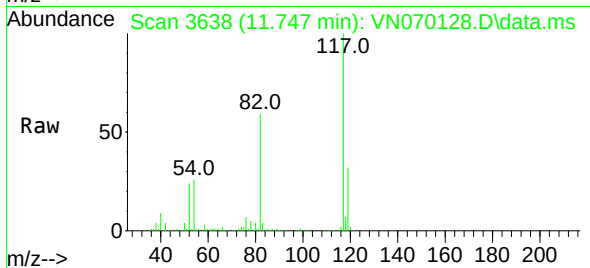
Tgt Ion:117 Resp: 2301039

Ion Ratio Lower Upper

117 100

82 59.4 42.4 63.6

119 32.2 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

Delta R.T. 0.000 min

Lab File: VN070128.D

Acq: 16 Dec 2021 10:58

Tgt Ion:152 Resp: 896000

Ion Ratio Lower Upper

152 100

115 60.5 27.5 82.5

150 157.2 0.0 344.4

