

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121421\  
 Data File : VN070068.D  
 Acq On : 14 Dec 2021 13:53  
 Operator : JC/MD  
 Sample : M4967-13  
 Misc : 5.01g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-11D

Quant Time: Dec 14 17:12:08 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

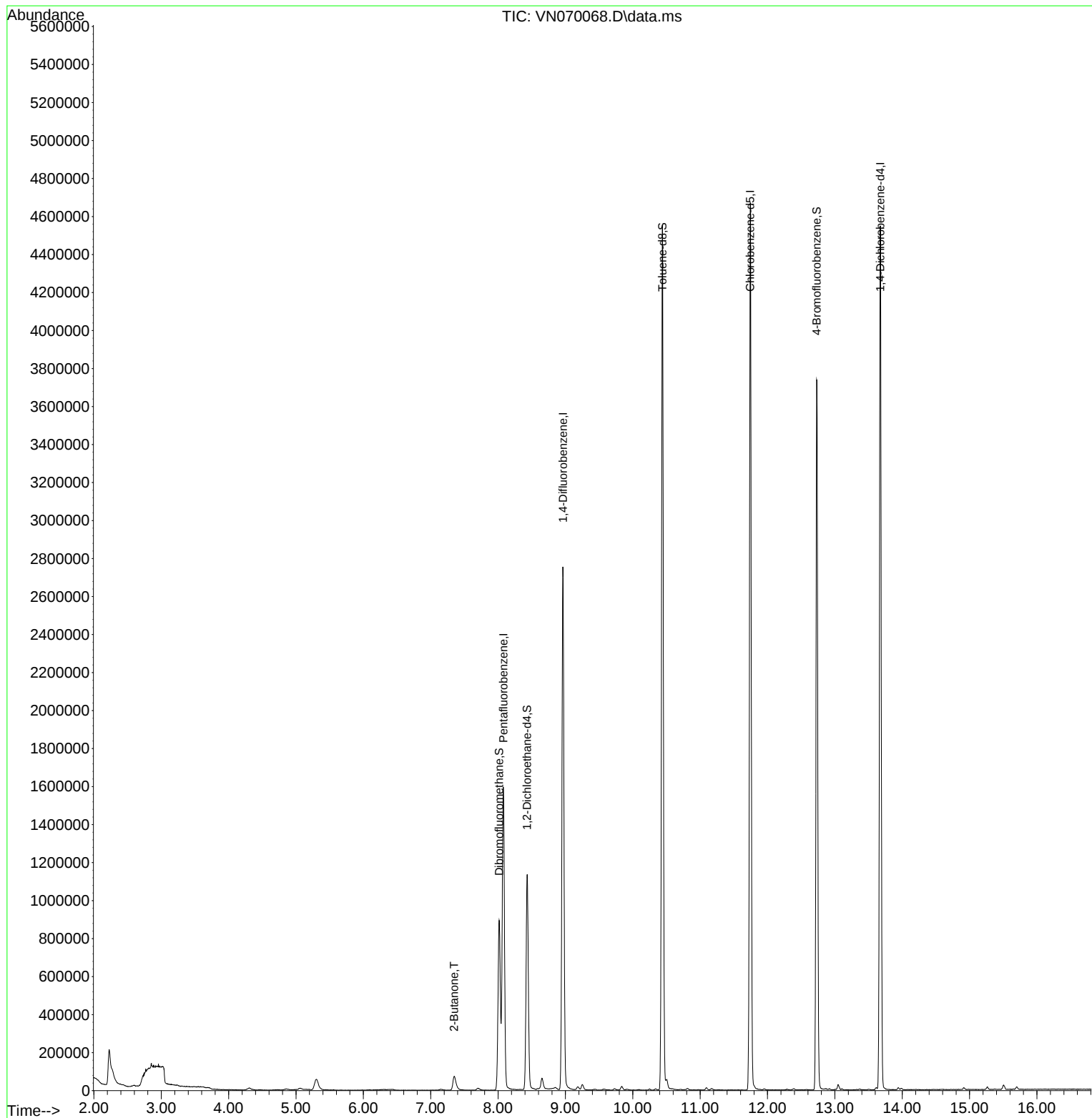
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|------------|-------------|
| -----                       |        |       |          |          |            |             |
| Internal Standards          |        |       |          |          |            |             |
| 1) Pentafluorobenzene       | 8.078  | 168   | 1210139  | 50.000   | ug/l       | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.963  | 114   | 2312881  | 50.000   | ug/l       | 0.00        |
| 63) Chlorobenzene-d5        | 11.744 | 117   | 2551372  | 50.000   | ug/l       | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.675 | 152   | 1182589  | 50.000   | ug/l       | 0.00        |
| System Monitoring Compounds |        |       |          |          |            |             |
| 33) 1,2-Dichloroethane-d4   | 8.432  | 65    | 971413   | 51.990   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | = 103.980% |             |
| 35) Dibromofluoromethane    | 8.016  | 113   | 650578   | 44.906   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | = 89.820%  |             |
| 50) Toluene-d8              | 10.440 | 98    | 3059354  | 52.592   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | = 105.180% |             |
| 62) 4-Bromofluorobenzene    | 12.731 | 95    | 1298743  | 61.627   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | = 123.260% |             |
| Target Compounds            |        |       |          |          |            |             |
| 25) 2-Butanone              | 7.348  | 43    | 146658   | 9.603    | ug/l       | Qvalue # 89 |
| -----                       |        |       |          |          |            |             |

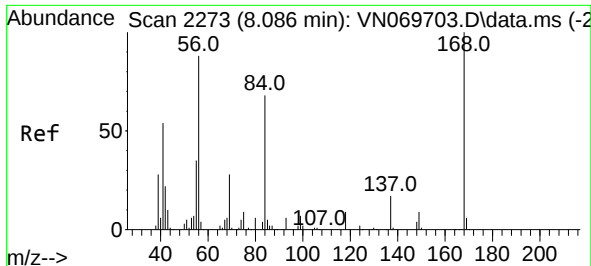
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

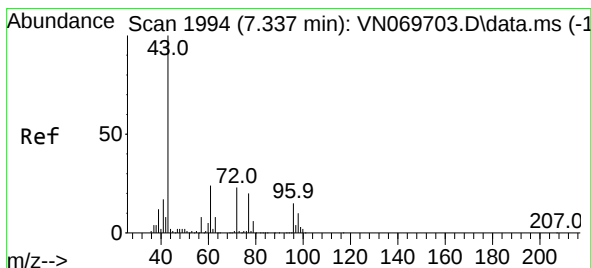
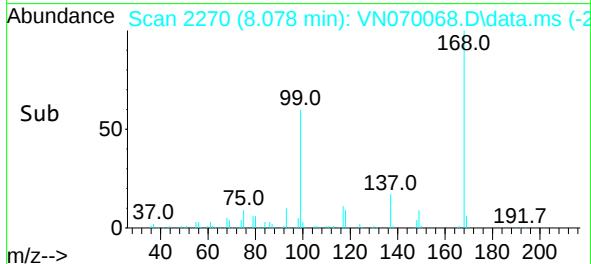
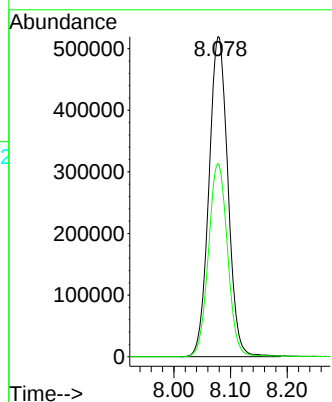
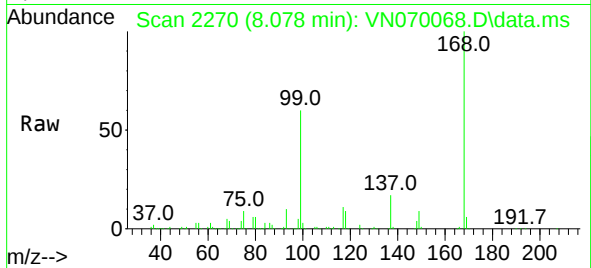




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.078 min Scan# 21  
Delta R.T. -0.008 min  
Lab File: VN070068.D  
Acq: 14 Dec 2021 13:53

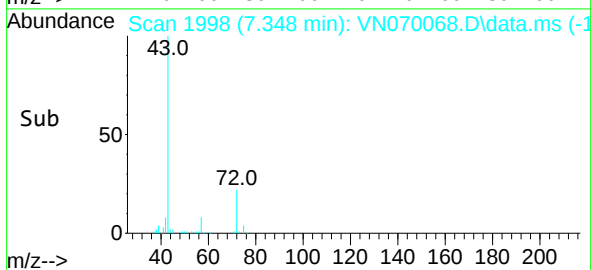
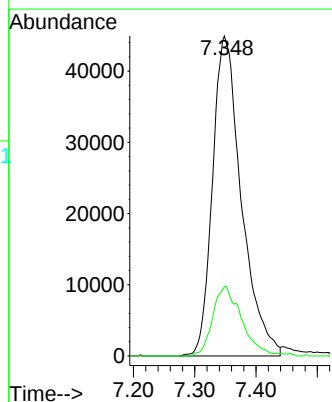
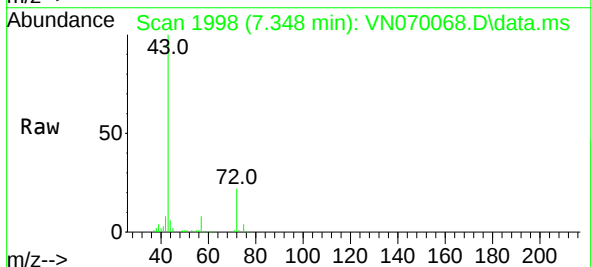
Instrument :  
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ClientSampleId :  
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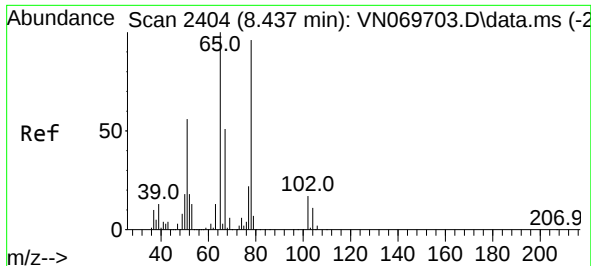
Tgt Ion:168 Resp: 1210139  
Ion Ratio Lower Upper  
168 100  
99 60.4 41.3 61.9



#25  
2-Butanone  
Concen: 9.603 ug/l  
RT: 7.348 min Scan# 1998  
Delta R.T. 0.011 min  
Lab File: VN070068.D  
Acq: 14 Dec 2021 13:53

Tgt Ion: 43 Resp: 146658  
Ion Ratio Lower Upper  
43 100  
72 21.6 21.7 32.5#





#33

1,2-Dichloroethane-d4

Concen: 51.990 ug/l

RT: 8.432 min Scan# 24

Delta R.T. -0.005 min

Lab File: VN070068.D

Acq: 14 Dec 2021 13:53

Instrument :

MSVOA\_N

ClientSampleId :

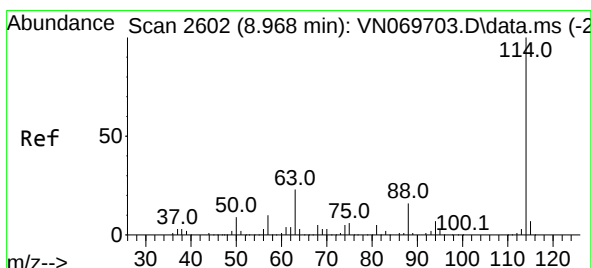
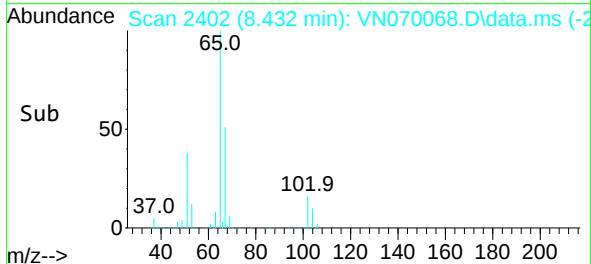
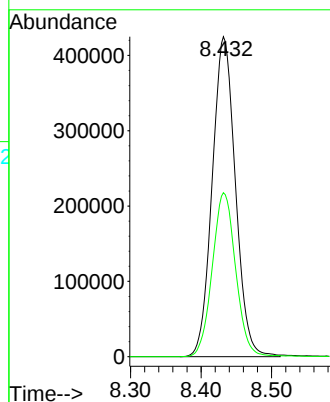
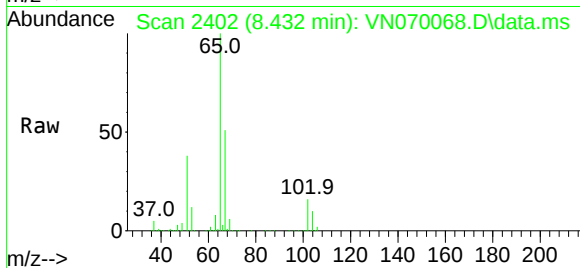
TP-11D

Tgt Ion: 65 Resp: 971413

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 2600

Delta R.T. -0.005 min

Lab File: VN070068.D

Acq: 14 Dec 2021 13:53

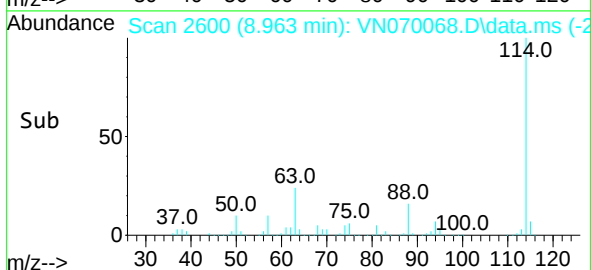
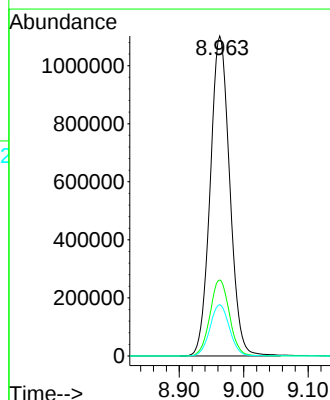
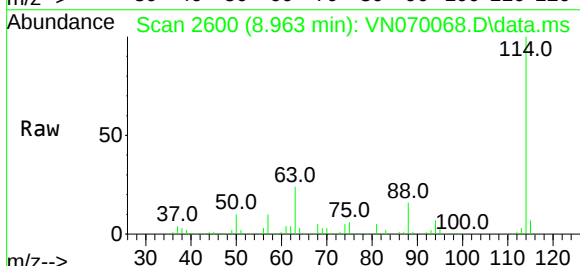
Tgt Ion: 114 Resp: 2312881

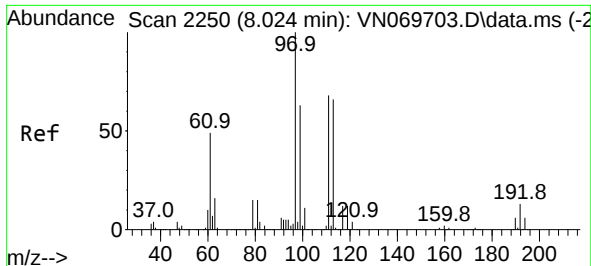
Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

88 16.0 0.0 27.4

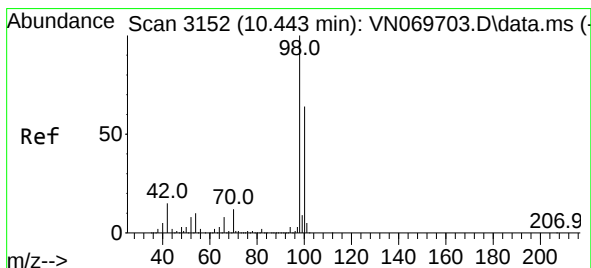
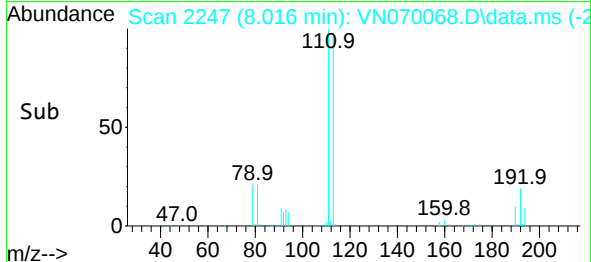
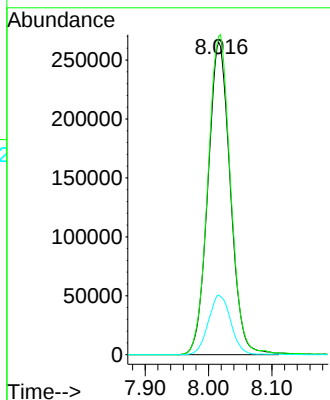
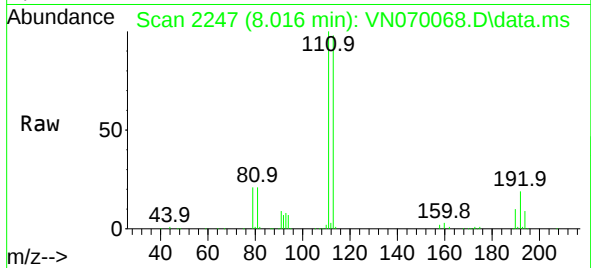




#35  
 Dibromofluoromethane  
 Concen: 44.906 ug/l  
 RT: 8.016 min Scan# 21  
 Delta R.T. -0.008 min  
 Lab File: VN070068.D  
 Acq: 14 Dec 2021 13:53

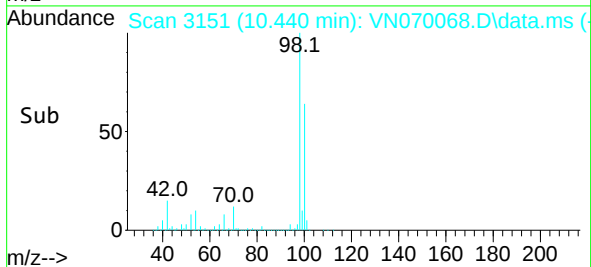
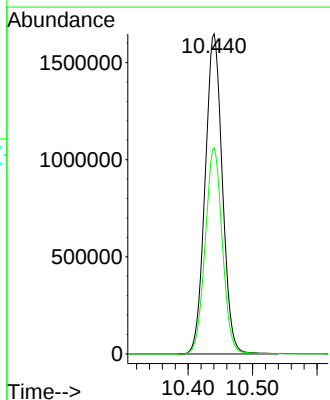
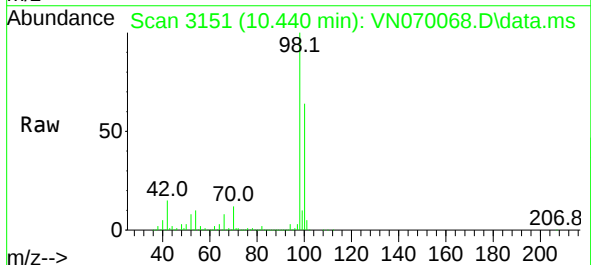
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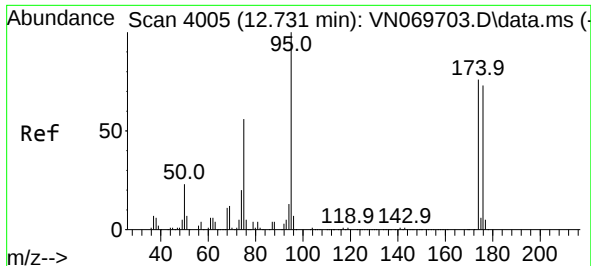
Tgt Ion:113 Resp: 650578  
 Ion Ratio Lower Upper  
 113 100  
 111 103.6 82.2 123.2  
 192 19.1 16.9 25.3



#50  
 Toluene-d8  
 Concen: 52.592 ug/l  
 RT: 10.440 min Scan# 3151  
 Delta R.T. -0.003 min  
 Lab File: VN070068.D  
 Acq: 14 Dec 2021 13:53

Tgt Ion: 98 Resp: 3059354  
 Ion Ratio Lower Upper  
 98 100  
 100 64.1 50.4 75.6

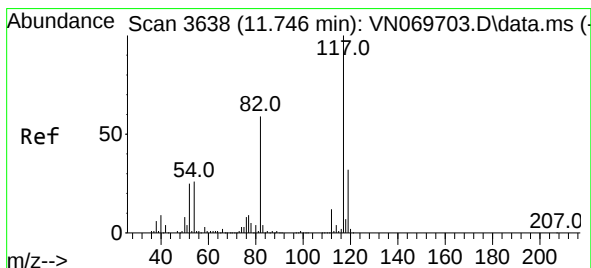
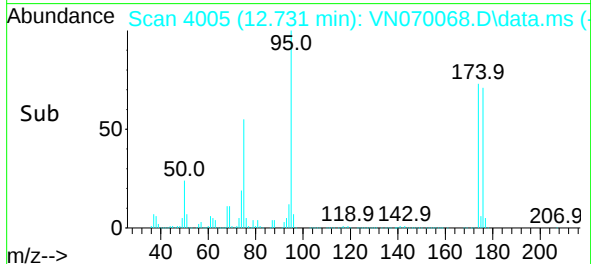
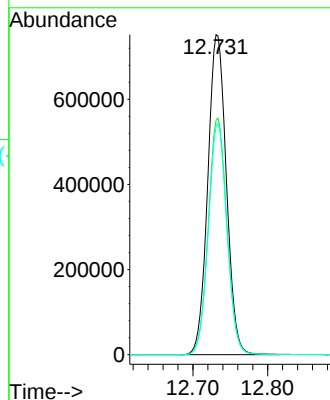
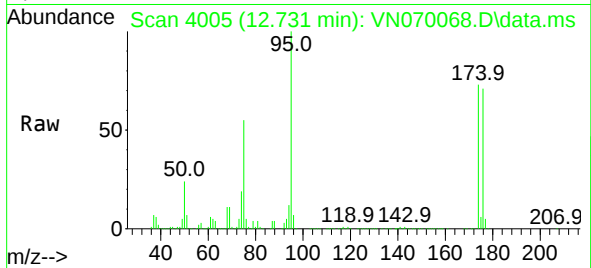




#62  
4-Bromofluorobenzene  
Concen: 61.627 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.000 min  
Lab File: VN070068.D  
Acq: 14 Dec 2021 13:53

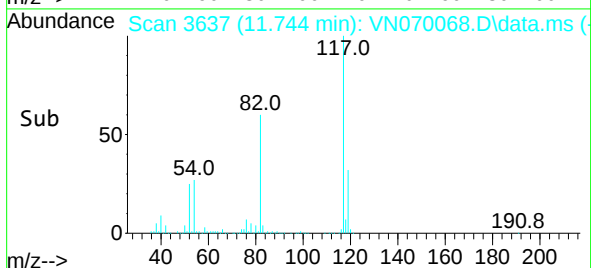
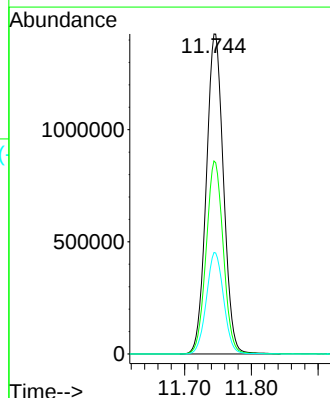
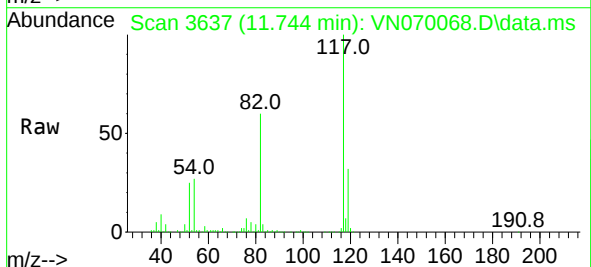
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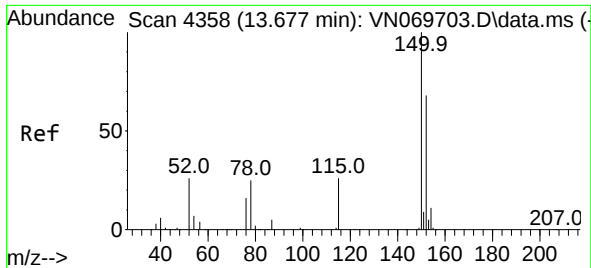
Tgt Ion: 95 Resp: 1298743  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 187.2  
176 72.0 0.0 181.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.744 min Scan# 3637  
Delta R.T. -0.002 min  
Lab File: VN070068.D  
Acq: 14 Dec 2021 13:53

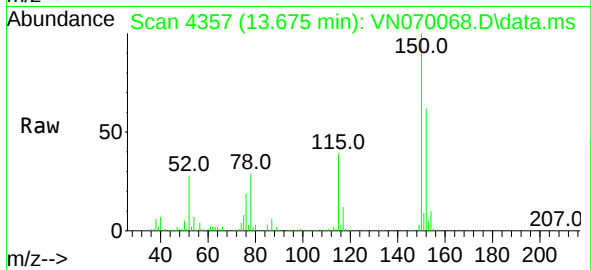
Tgt Ion: 117 Resp: 2551372  
Ion Ratio Lower Upper  
117 100  
82 60.3 42.4 63.6  
119 31.7 25.4 38.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.675 min Scan# 41  
 Delta R.T. -0.003 min  
 Lab File: VN070068.D  
 Acq: 14 Dec 2021 13:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-11D



Tgt Ion:152 Resp: 1182589  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 61.3  | 27.5  | 82.5  |
| 150 | 157.9 | 0.0   | 344.4 |

