

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121421\  
 Data File : VN070064.D  
 Acq On : 14 Dec 2021 12:02  
 Operator : JC/MD  
 Sample : VN1214MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1214MBL01

Quant Time: Dec 14 17:09:27 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  | 923991   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.968  | 114  | 1543159  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.744 | 117  | 1358700  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.675 | 152  | 462311   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.437  | 65    | 699344   | 49.020   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 98.040% |
| 35) Dibromofluoromethane    | 8.021  | 113   | 473718   | 49.009   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 98.020% |
| 50) Toluene-d8              | 10.440 | 98    | 1739220  | 44.811   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 89.620% |
| 62) 4-Bromofluorobenzene    | 12.731 | 95    | 539468   | 38.367   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 76.740% |

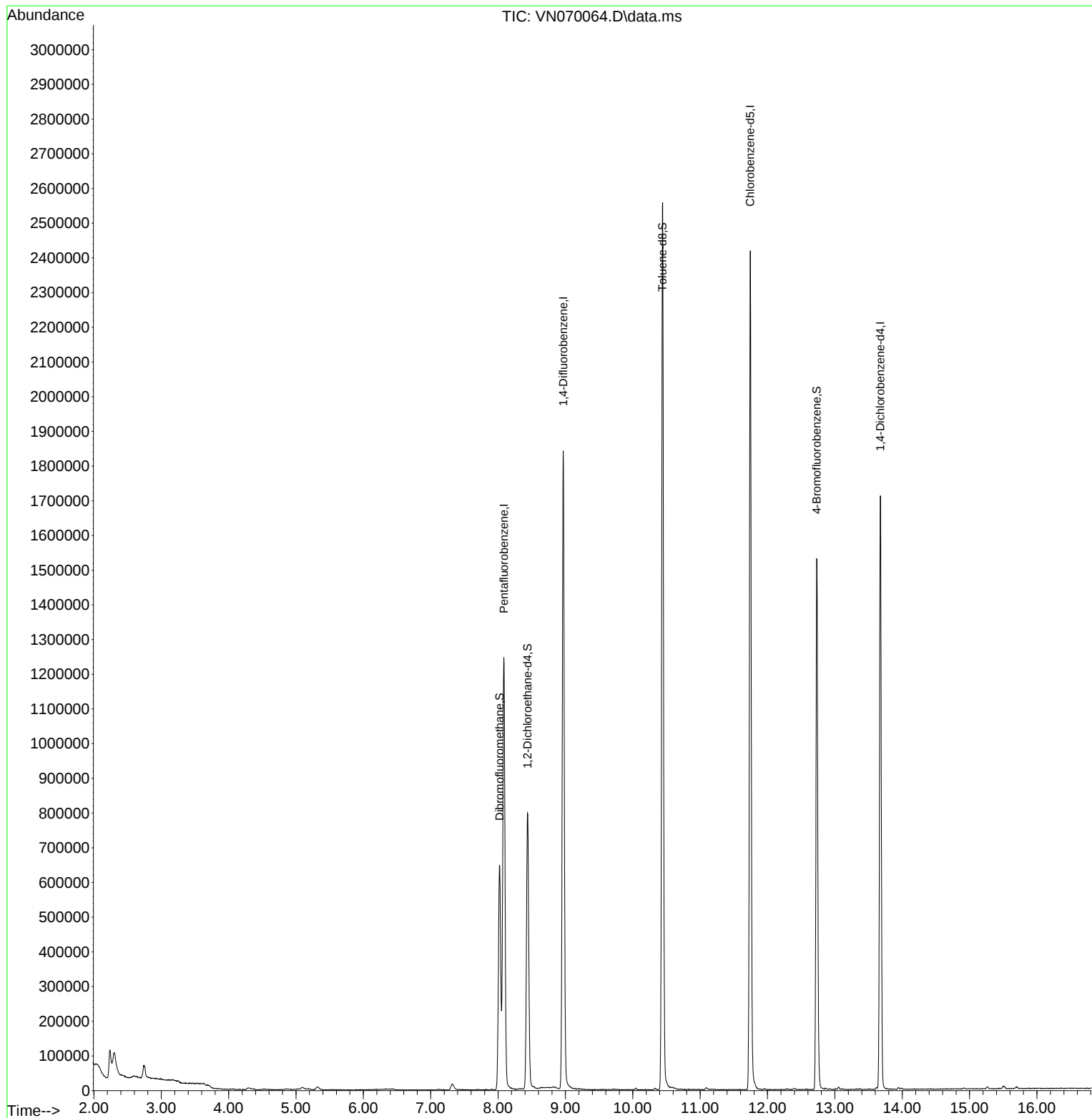
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

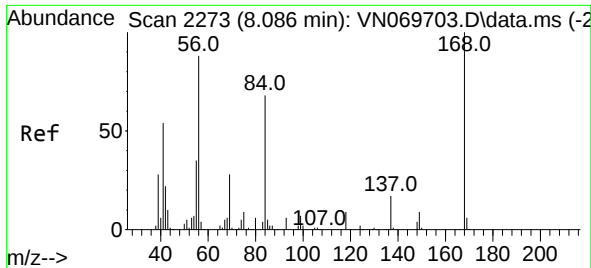
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

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

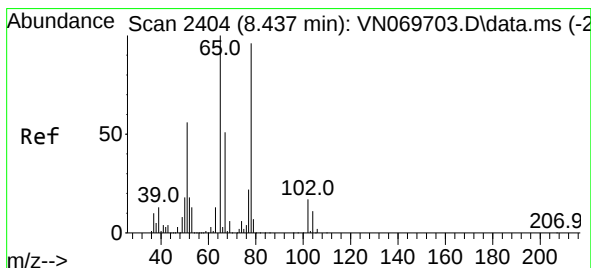
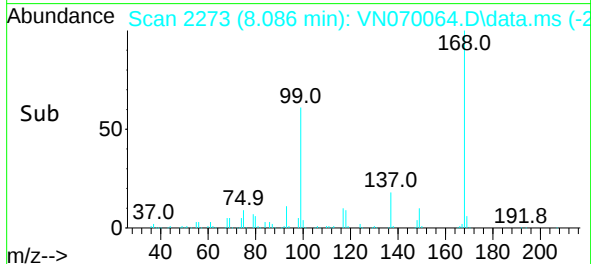
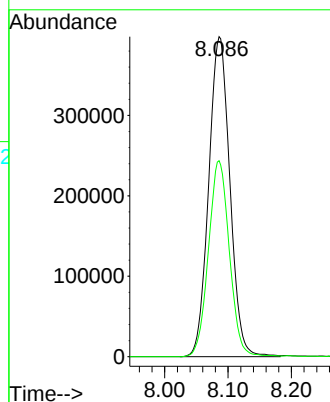
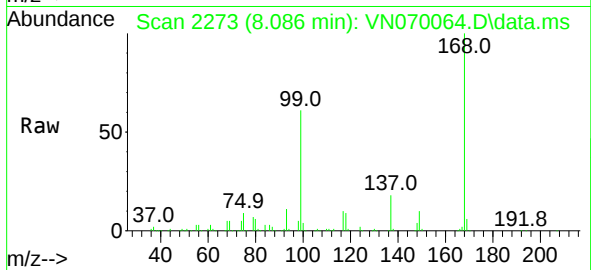




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN070064.D  
Acq: 14 Dec 2021 12:02

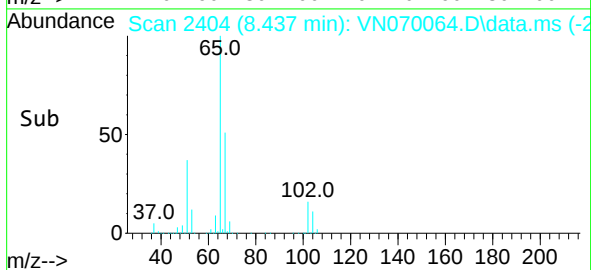
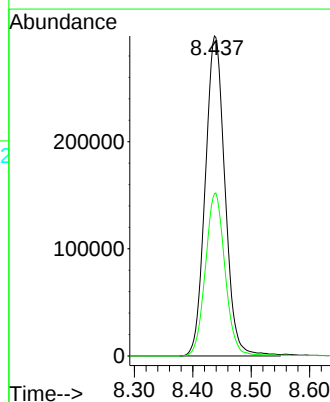
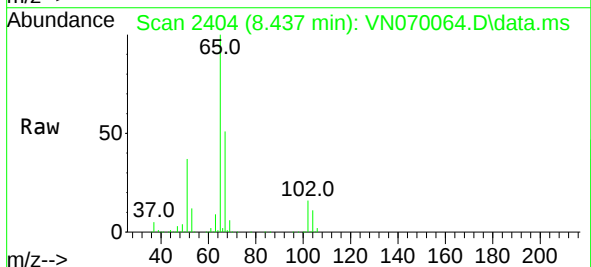
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1214MBL01

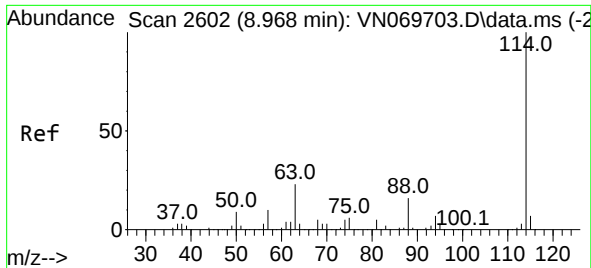
Tgt Ion:168 Resp: 923991  
Ion Ratio Lower Upper  
168 100  
99 61.3 41.3 61.9



#33  
1,2-Dichloroethane-d4  
Concen: 49.020 ug/l  
RT: 8.437 min Scan# 2404  
Delta R.T. 0.000 min  
Lab File: VN070064.D  
Acq: 14 Dec 2021 12:02

Tgt Ion: 65 Resp: 699344  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 103.0

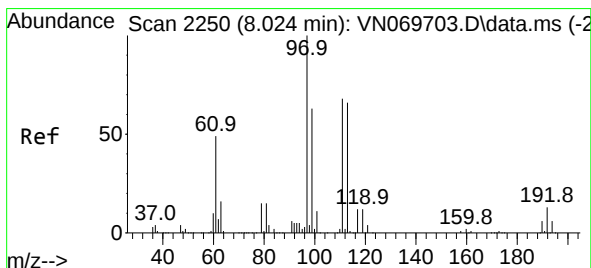
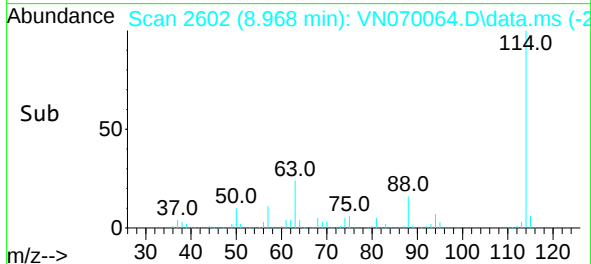
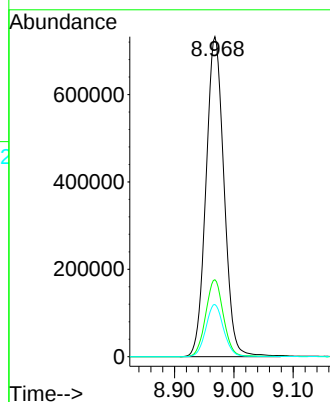
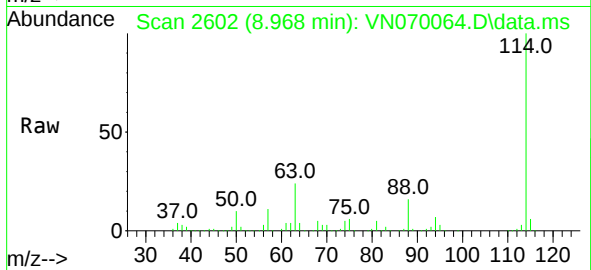




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.968 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN070064.D  
Acq: 14 Dec 2021 12:02

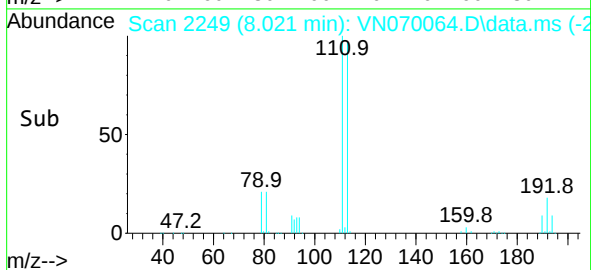
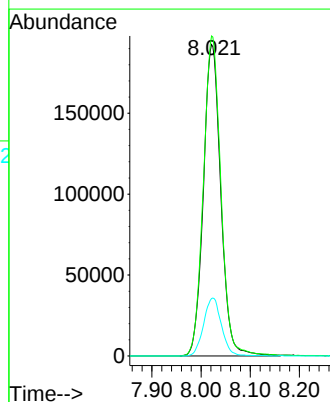
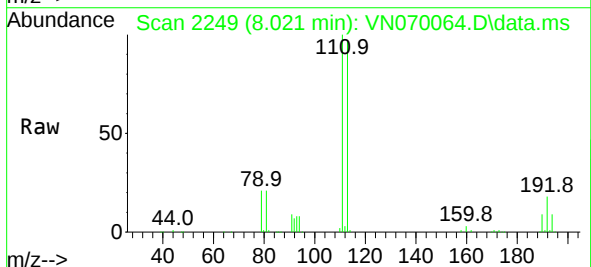
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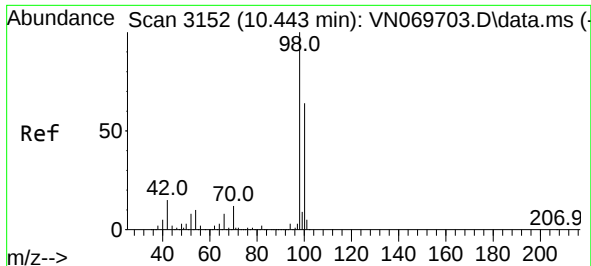
Tgt Ion:114 Resp: 1543159  
Ion Ratio Lower Upper  
114 100  
63 24.1 0.0 37.8  
88 16.3 0.0 27.4



#35  
Dibromofluoromethane  
Concen: 49.009 ug/l  
RT: 8.021 min Scan# 2249  
Delta R.T. -0.003 min  
Lab File: VN070064.D  
Acq: 14 Dec 2021 12:02

Tgt Ion:113 Resp: 473718  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.2 123.2  
192 19.1 16.9 25.3

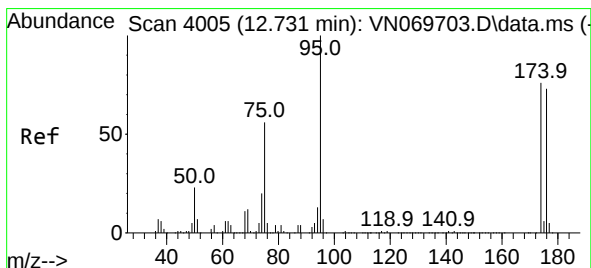
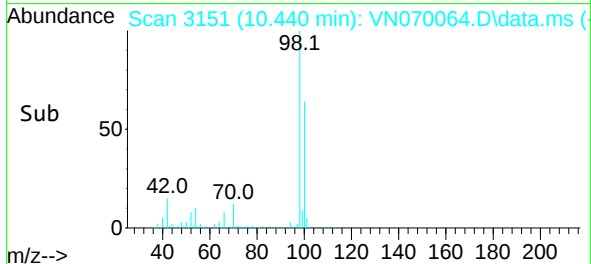
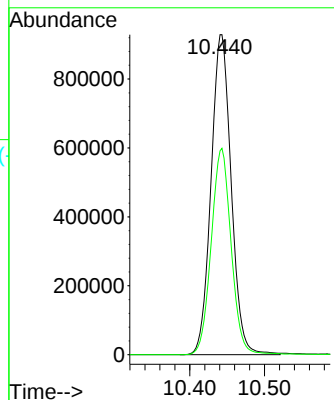
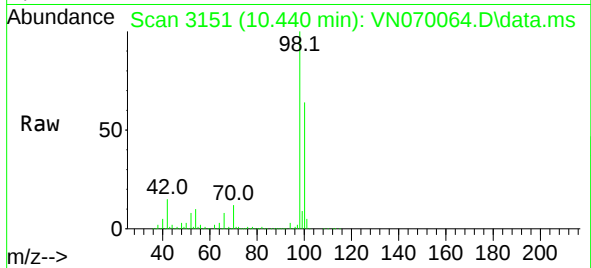




#50  
Toluene-d8  
Concen: 44.811 ug/l  
RT: 10.440 min Scan# 3152  
Delta R.T. -0.003 min  
Lab File: VN070064.D  
Acq: 14 Dec 2021 12:02

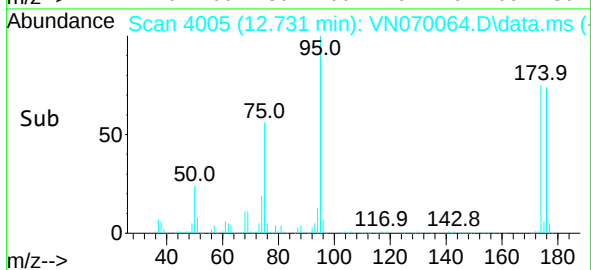
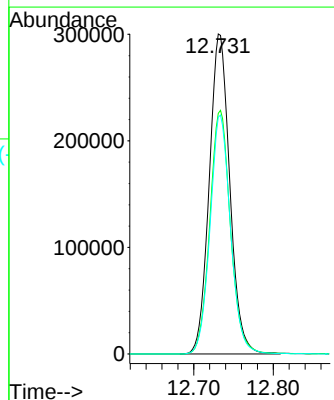
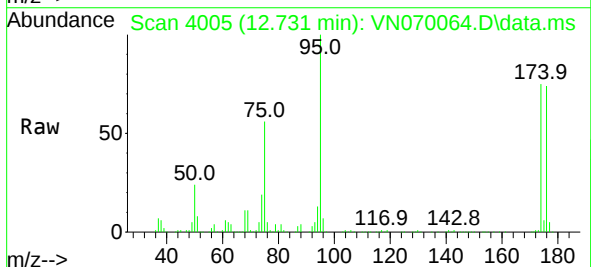
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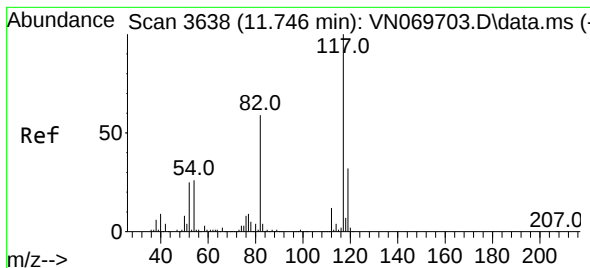
Tgt Ion: 98 Resp: 1739220  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.4 75.6



#62  
4-Bromofluorobenzene  
Concen: 38.367 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.000 min  
Lab File: VN070064.D  
Acq: 14 Dec 2021 12:02

Tgt Ion: 95 Resp: 539468  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 187.2  
176 74.2 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.002 min

Lab File: VN070064.D

Acq: 14 Dec 2021 12:02

Instrument :

MSVOA\_N

ClientSampleId :

VN1214MBL01

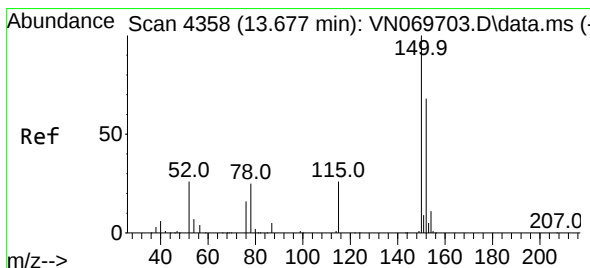
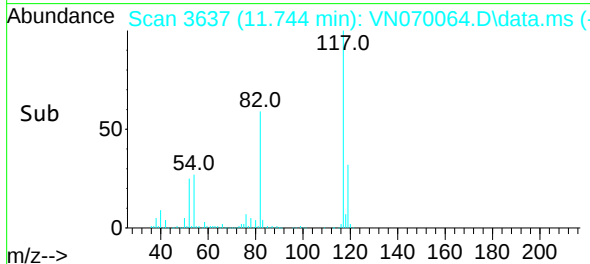
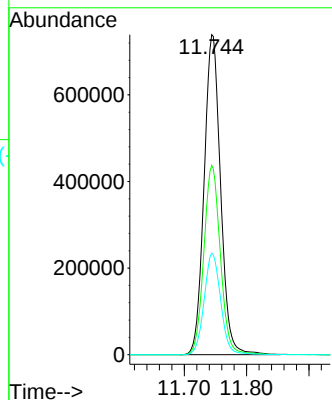
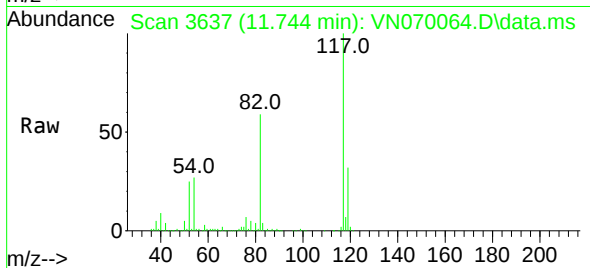
Tgt Ion:117 Resp: 1358700

Ion Ratio Lower Upper

117 100

82 59.2 42.4 63.6

119 31.8 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 4357

Delta R.T. -0.003 min

Lab File: VN070064.D

Acq: 14 Dec 2021 12:02

Tgt Ion:152 Resp: 462311

Ion Ratio Lower Upper

152 100

115 59.9 27.5 82.5

150 156.0 0.0 344.4

