

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121821\  
 Data File : VN070213.D  
 Acq On : 18 Dec 2021 15:10  
 Operator : JC/MD  
 Sample : M5044-04 10X  
 Misc : 5.64g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DA-4-4.5

Quant Time: Dec 19 08:46:07 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

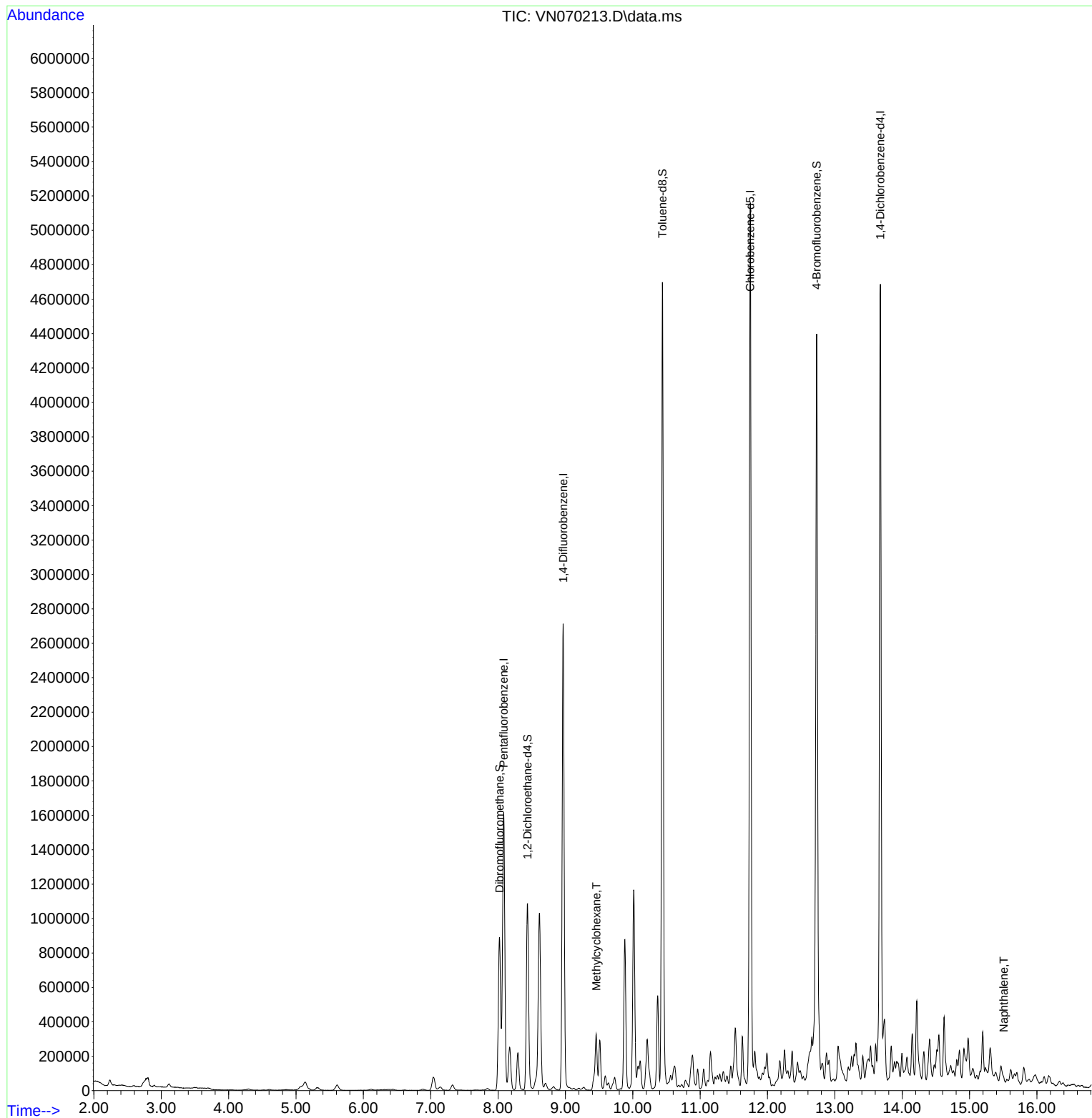
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.083  | 168   | 1169614  | 50.00    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.968  | 114   | 2253005  | 50.00    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.744 | 117   | 2789322  | 50.00    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.675 | 152   | 1239856  | 50.00    | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.437  | 65    | 928071   | 51.39    | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | = 102.78%  |          |
| 35) Dibromofluoromethane    | 8.021  | 113   | 648559   | 45.96    | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | = 91.92%   |          |
| 50) Toluene-d8              | 10.440 | 98    | 3082607  | 54.40    | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | = 108.80%  |          |
| 62) 4-Bromofluorobenzene    | 12.731 | 95    | 1487429  | 72.46    | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | = 144.92%# |          |
| Target Compounds            |        |       |          |          |            |          |
| 39) Methylcyclohexane       | 9.459  | 83    | 36678m   | 1.44     | ug/l       | Qvalue   |
| 95) Naphthalene             | 15.507 | 128   | 18834    | 4.27     | ug/l       | # 90     |
| -----                       |        |       |          |          |            |          |

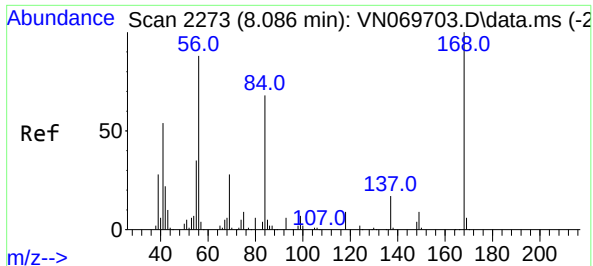
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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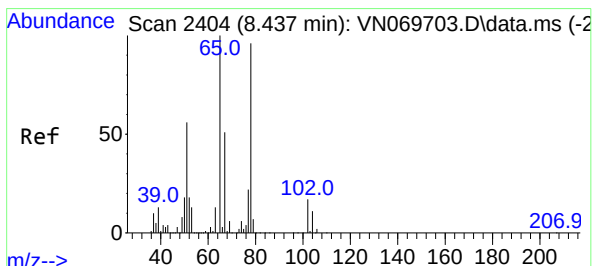
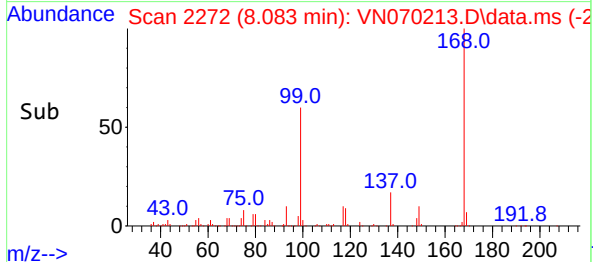
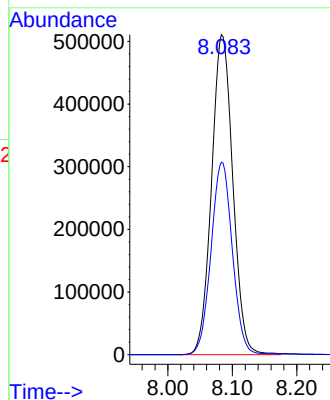
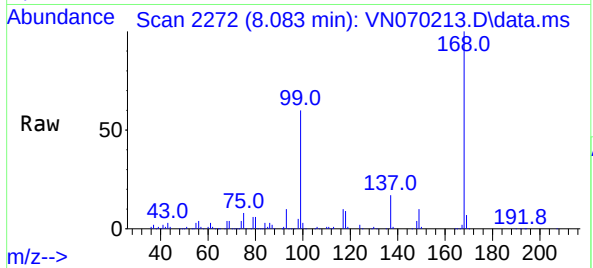




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 8.083 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VN070213.D  
Acq: 18 Dec 2021 15:10

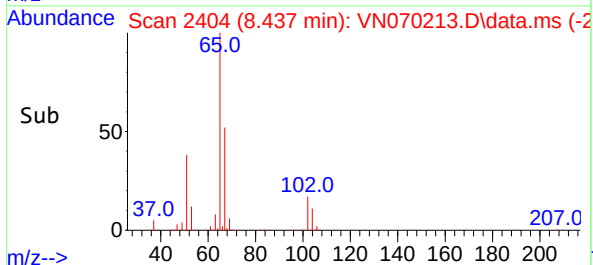
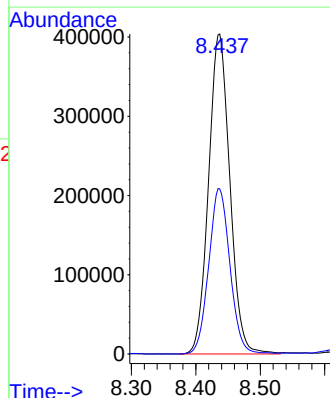
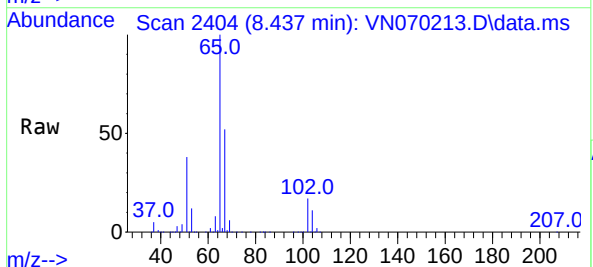
Instrument :  
MSVOA\_N  
ClientSampleId :  
DA-4-4.5

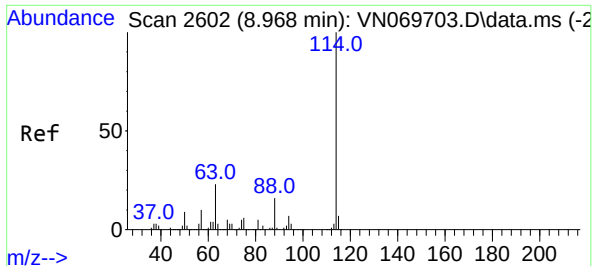
Tgt Ion:168 Resp: 1169614  
Ion Ratio Lower Upper  
168 100  
99 60.2 41.3 61.9



#33  
1,2-Dichloroethane-d4  
Concen: 51.39 ug/l  
RT: 8.437 min Scan# 2404  
Delta R.T. 0.000 min  
Lab File: VN070213.D  
Acq: 18 Dec 2021 15:10

Tgt Ion: 65 Resp: 928071  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 103.0

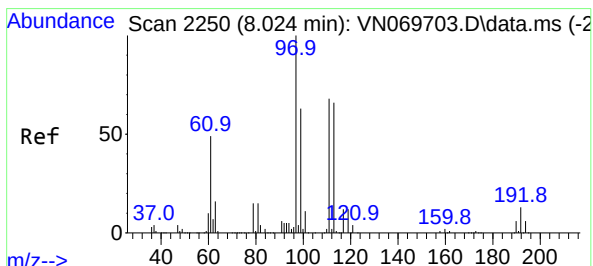
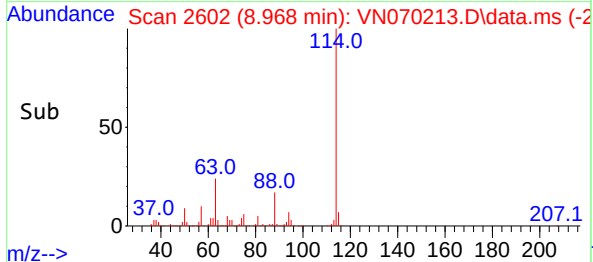
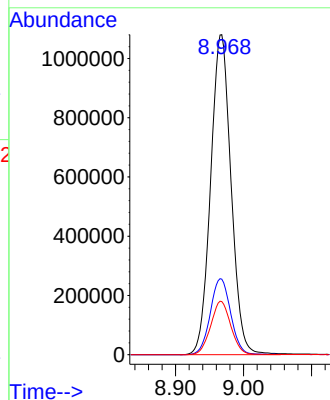
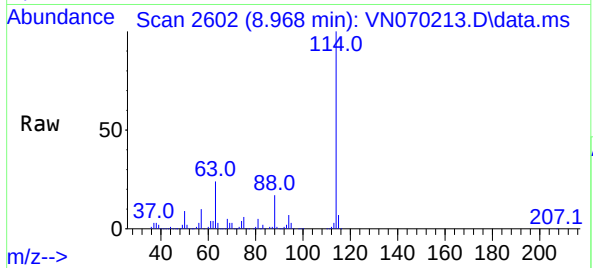




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.968 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN070213.D  
Acq: 18 Dec 2021 15:10

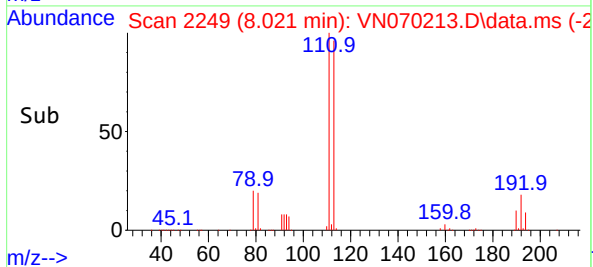
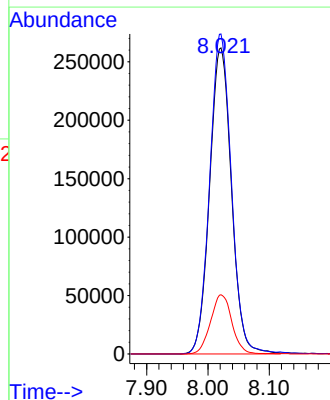
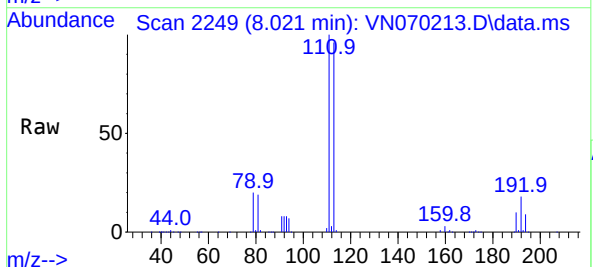
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ClientSampleId :  
DA-4-4.5

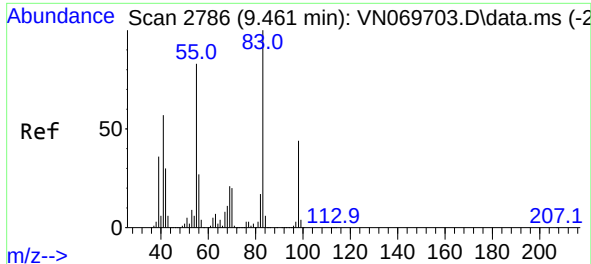
Tgt Ion:114 Resp: 2253005  
Ion Ratio Lower Upper  
114 100  
63 23.6 0.0 37.8  
88 16.6 0.0 27.4



#35  
Dibromofluoromethane  
Concen: 45.96 ug/l  
RT: 8.021 min Scan# 2249  
Delta R.T. -0.003 min  
Lab File: VN070213.D  
Acq: 18 Dec 2021 15:10

Tgt Ion:113 Resp: 648559  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.2 123.2  
192 18.9 16.9 25.3





#39

Methylcyclohexane

Concen: 1.44 ug/l m

RT: 9.459 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN070213.D

Acq: 18 Dec 2021 15:10

Instrument :

MSVOA\_N

ClientSampleId :

DA-4-4.5

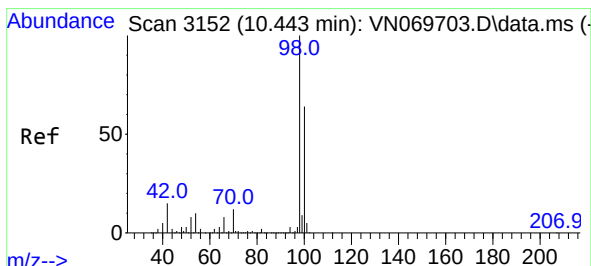
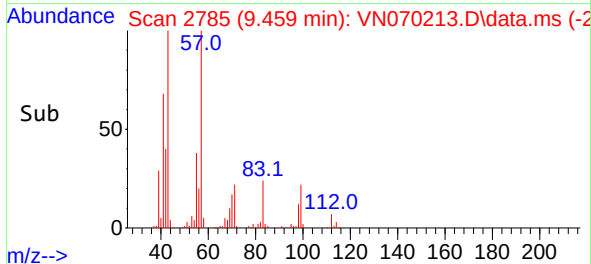
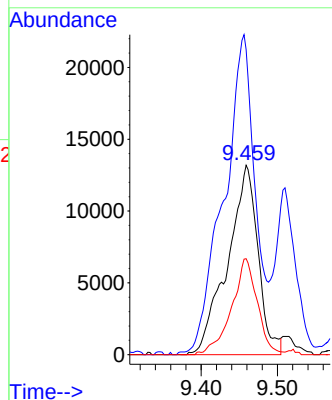
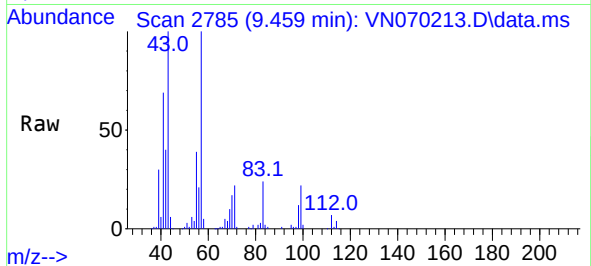
Tgt Ion: 83 Resp: 36678

Ion Ratio Lower Upper

83 100

55 161.1 58.1 87.1#

98 50.7 38.4 57.6



#50

Toluene-d8

Concen: 54.40 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.003 min

Lab File: VN070213.D

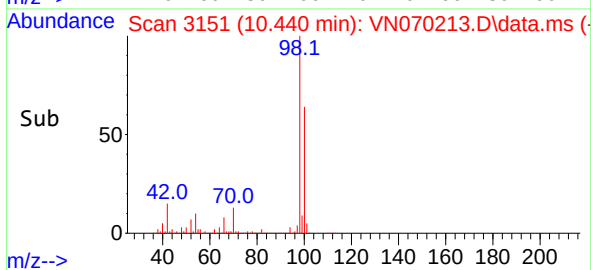
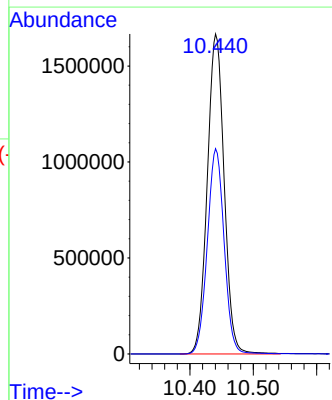
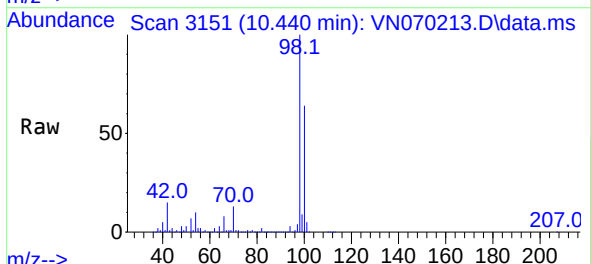
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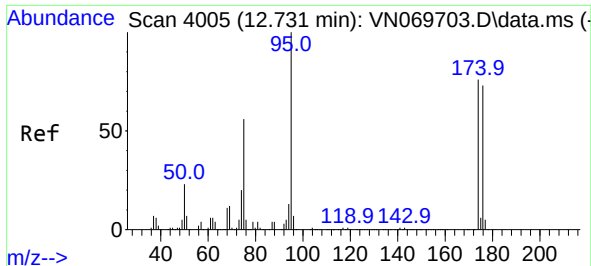
Tgt Ion: 98 Resp: 3082607

Ion Ratio Lower Upper

98 100

100 64.0 50.4 75.6

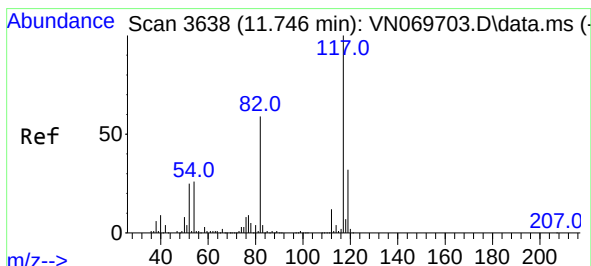
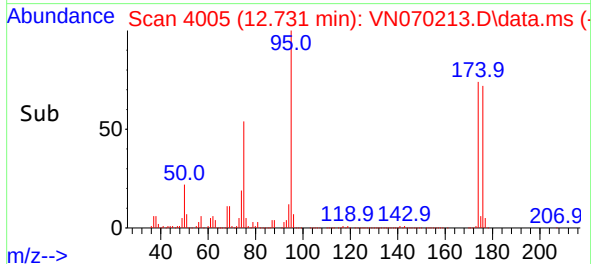
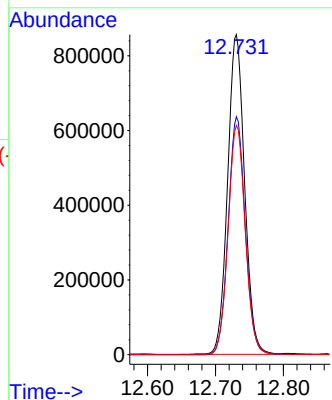
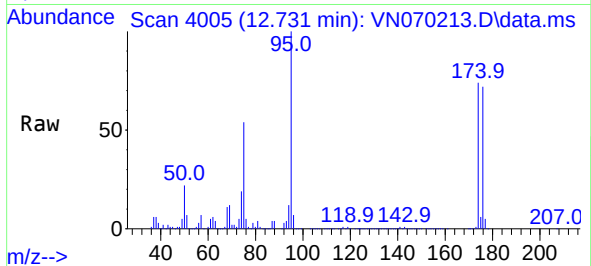




#62  
4-Bromofluorobenzene  
Concen: 72.46 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.000 min  
Lab File: VN070213.D  
Acq: 18 Dec 2021 15:10

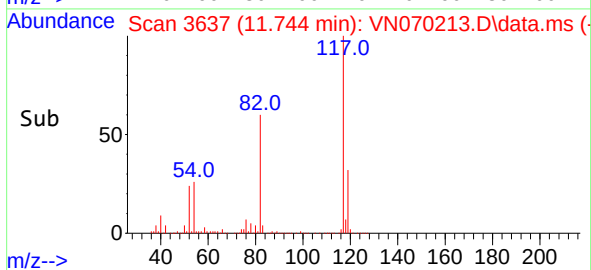
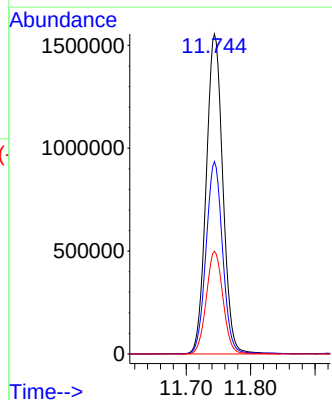
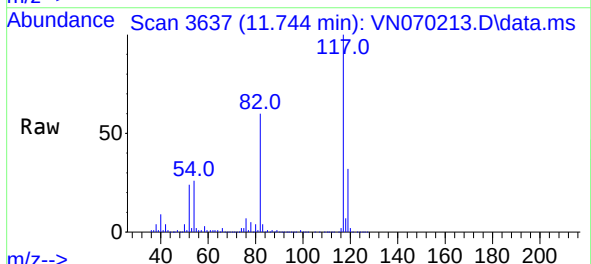
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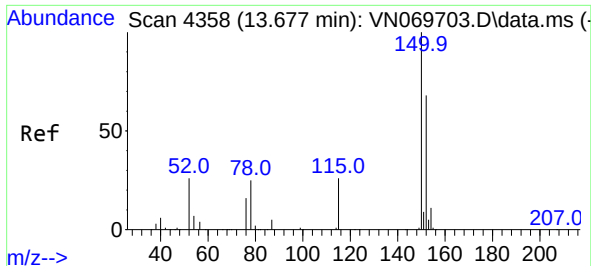
Tgt Ion: 95 Resp: 1487429  
Ion Ratio Lower Upper  
95 100  
174 74.7 0.0 187.2  
176 72.2 0.0 181.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.744 min Scan# 3637  
Delta R.T. -0.002 min  
Lab File: VN070213.D  
Acq: 18 Dec 2021 15:10

Tgt Ion: 117 Resp: 2789322  
Ion Ratio Lower Upper  
117 100  
82 60.0 42.4 63.6  
119 32.1 25.4 38.2

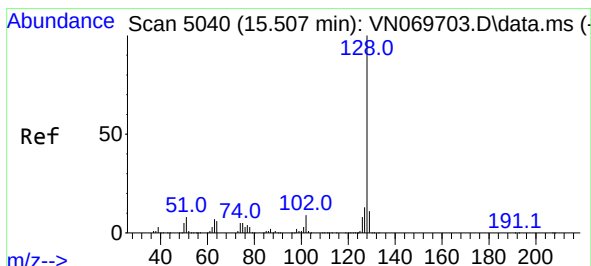
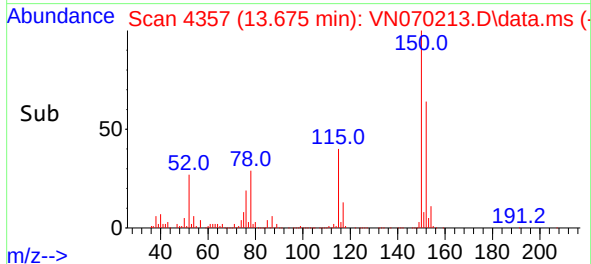
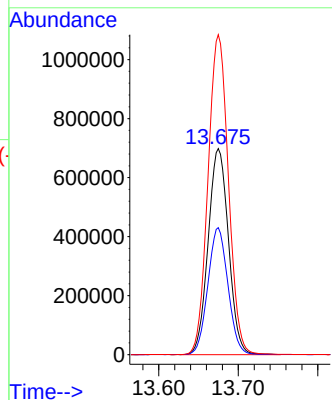
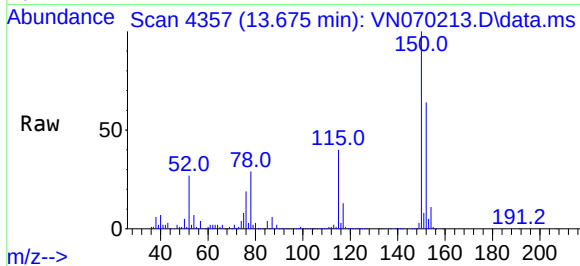




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.675 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VN070213.D  
Acq: 18 Dec 2021 15:10

Instrument :  
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Tgt Ion:152 Resp: 1239856  
Ion Ratio Lower Upper  
152 100  
115 60.8 27.5 82.5  
150 155.7 0.0 344.4



#95  
Naphthalene  
Concen: 4.27 ug/l  
RT: 15.507 min Scan# 5040  
Delta R.T. -0.000 min  
Lab File: VN070213.D  
Acq: 18 Dec 2021 15:10

Tgt Ion:128 Resp: 18834  
Ion Ratio Lower Upper  
128 100  
127 15.6 10.5 15.7  
129 5.8 8.7 13.1#

