

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN123021\  
 Data File : VN070410.D  
 Acq On : 30 Dec 2021 19:49  
 Operator : JC/MD  
 Sample : M5234-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 P-1

Quant Time: Dec 31 05:23:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 27 18:47:12 2021  
 Response via : Initial Calibration

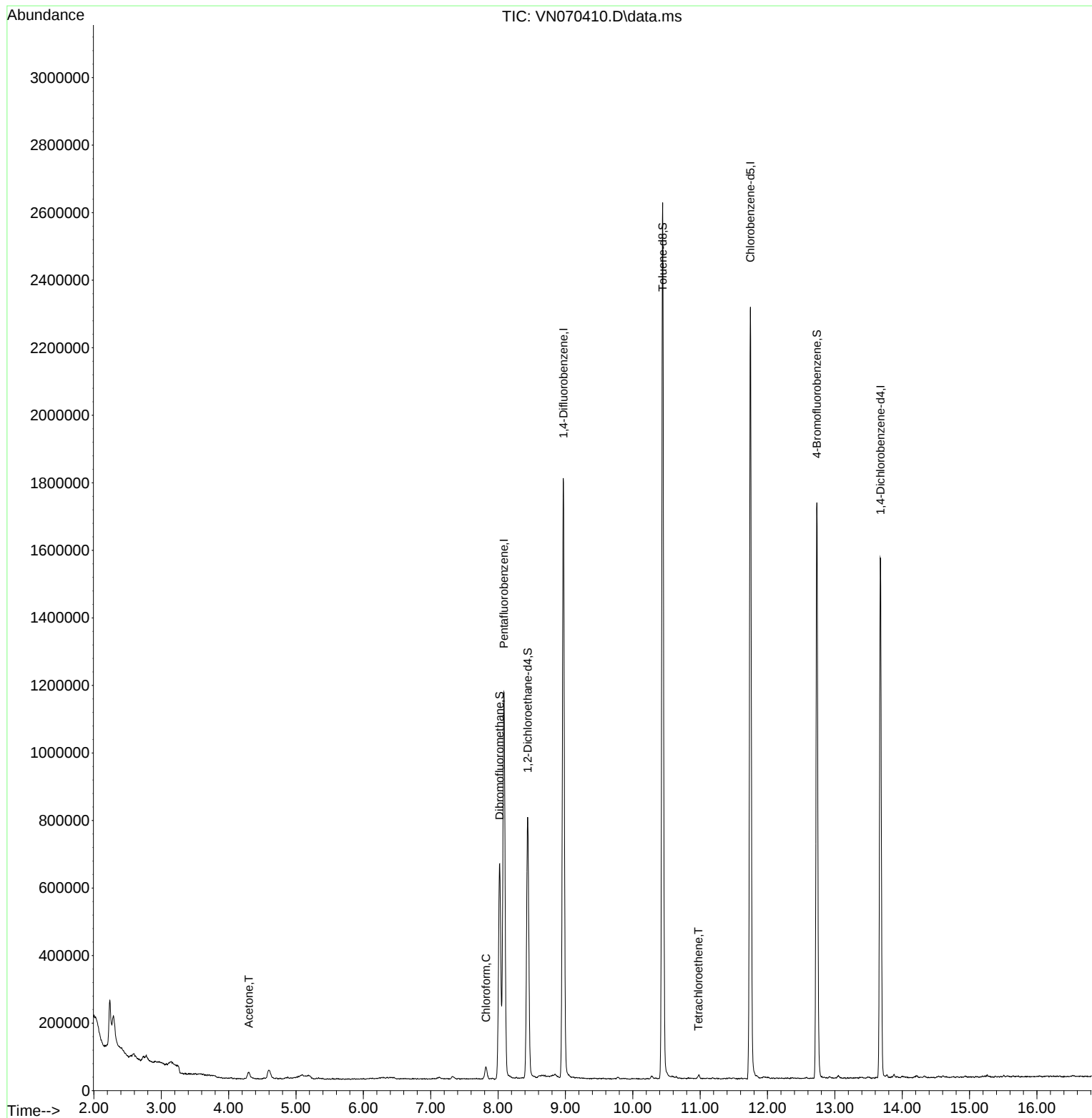
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.088     | 168   | 874377   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.971     | 114   | 1494003  | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.746    | 117   | 1321508  | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.677    | 152   | 429235   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.440     | 65    | 658345   | 52.366   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 61 - 141 | Recovery | = 104.740% |          |
| 35) Dibromofluoromethane    | 8.021     | 113   | 468799   | 51.861   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 69 - 133 | Recovery | = 103.720% |          |
| 50) Toluene-d8              | 10.443    | 98    | 1768476  | 47.891   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 65 - 126 | Recovery | = 95.780%  |          |
| 62) 4-Bromofluorobenzene    | 12.733    | 95    | 614458   | 46.071   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 135 | Recovery | = 92.140%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 16) Acetone                 | 4.299     | 43    | 29825    | 3.655    | ug/l       | 100      |
| 30) Chloroform              | 7.820     | 83    | 34228    | 1.740    | ug/l       | 98       |
| 64) Tetrachloroethene       | 10.974    | 164   | 2870     | 0.300    | ug/l       | 92       |
| -----                       |           |       |          |          |            |          |

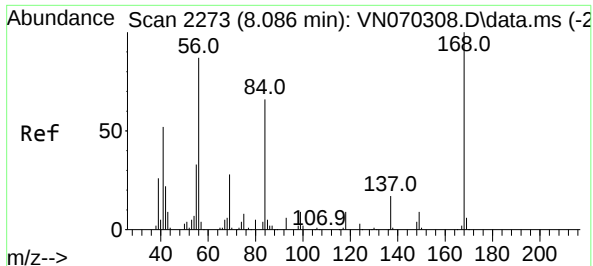
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122721W.M  
Quant Title : SW846 8260  
QLast Update : Mon Dec 27 18:47:12 2021  
Response via : Initial Calibration

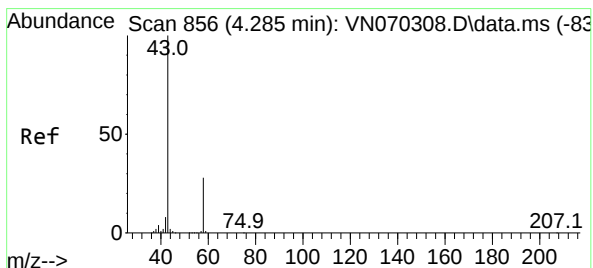
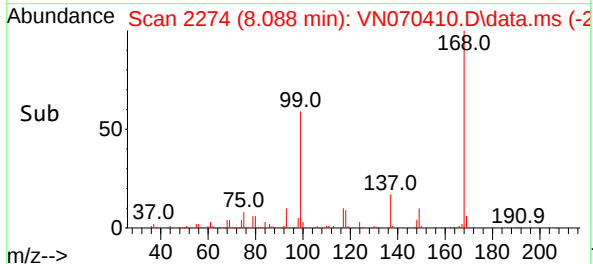
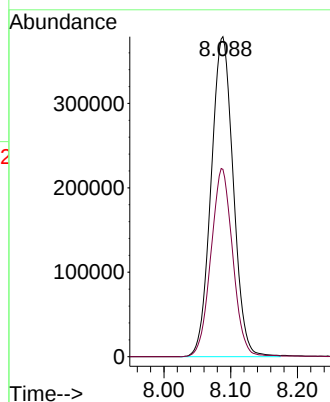
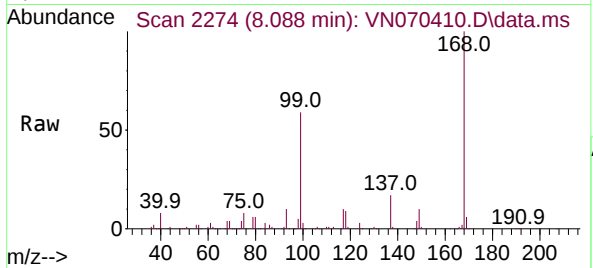




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: VN070410.D  
Acq: 30 Dec 2021 19:49

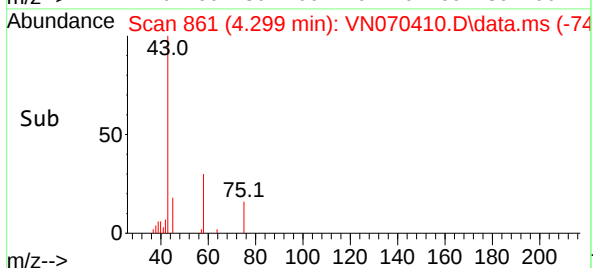
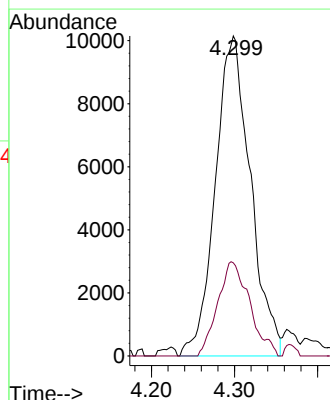
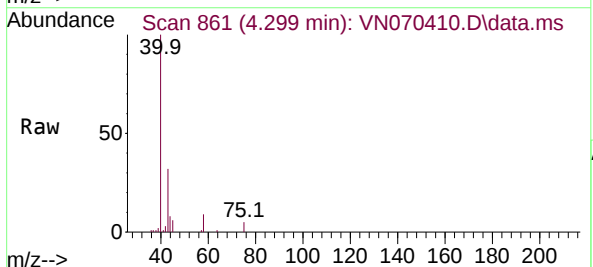
Instrument :  
MSVOA\_N  
ClientSampleId :  
P-1

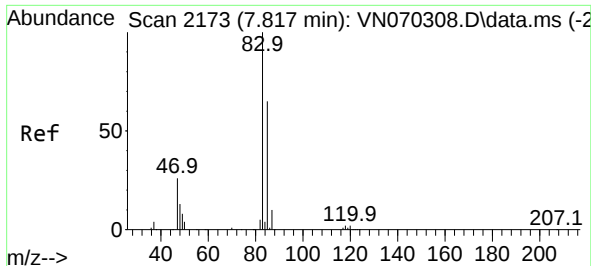
Tgt Ion:168 Resp: 874377  
Ion Ratio Lower Upper  
168 100  
99 58.6 41.3 61.9



#16  
Acetone  
Concen: 3.655 ug/l  
RT: 4.299 min Scan# 861  
Delta R.T. 0.014 min  
Lab File: VN070410.D  
Acq: 30 Dec 2021 19:49

Tgt Ion: 43 Resp: 29825  
Ion Ratio Lower Upper  
43 100  
58 29.1 23.1 34.7

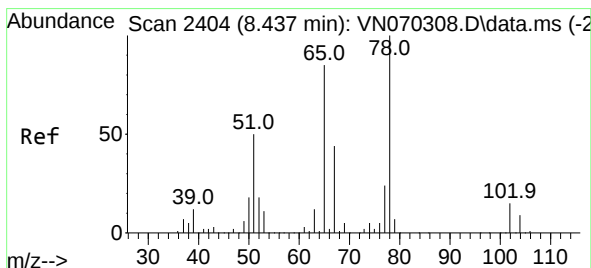
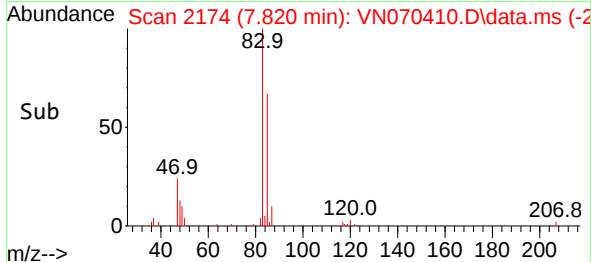
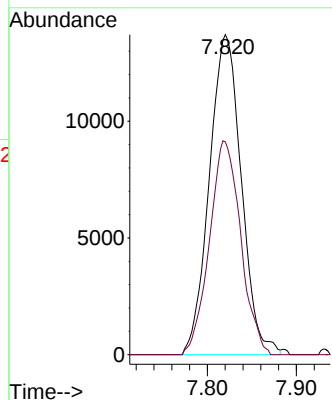
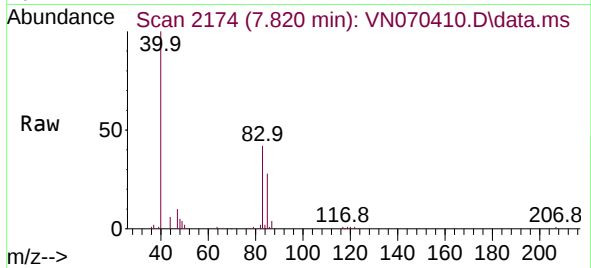




#30  
Chloroform  
Concen: 1.740 ug/l  
RT: 7.820 min Scan# 2173  
Delta R.T. 0.003 min  
Lab File: VN070410.D  
Acq: 30 Dec 2021 19:49

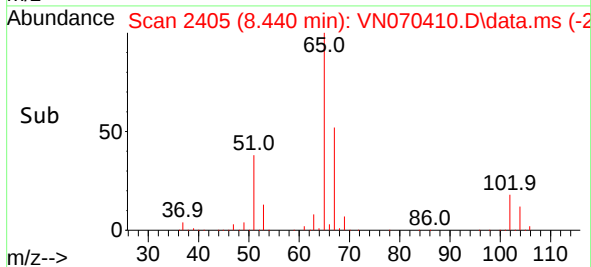
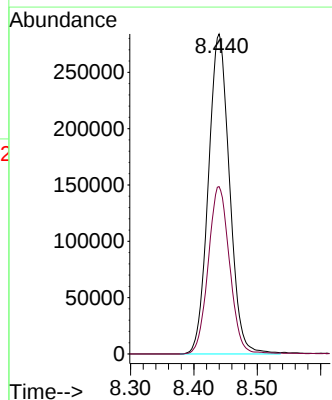
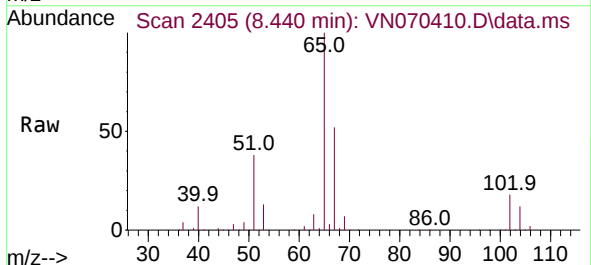
Instrument :  
MSVOA\_N  
ClientSampleId :  
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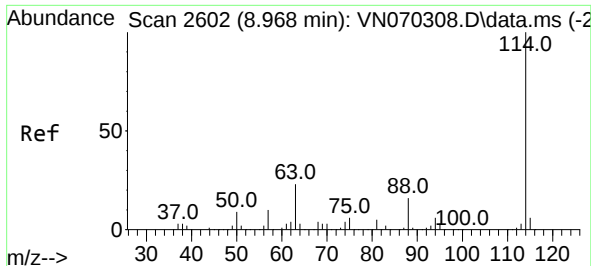
Tgt Ion: 83 Resp: 34228  
Ion Ratio Lower Upper  
83 100  
85 66.5 51.9 77.9



#33  
1,2-Dichloroethane-d4  
Concen: 52.366 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.003 min  
Lab File: VN070410.D  
Acq: 30 Dec 2021 19:49

Tgt Ion: 65 Resp: 658345  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2

Delta R.T. 0.003 min

Lab File: VN070410.D

Acq: 30 Dec 2021 19:49

Instrument :

MSVOA\_N

ClientSampleId :

P-1

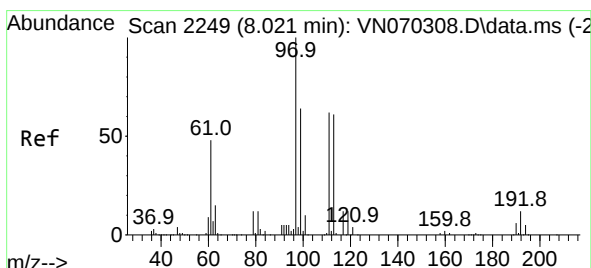
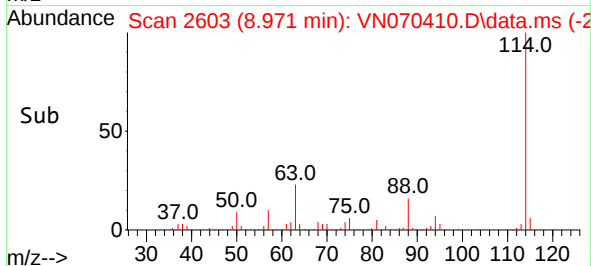
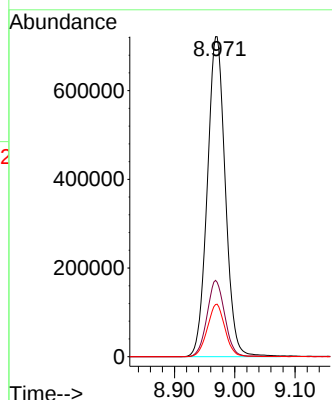
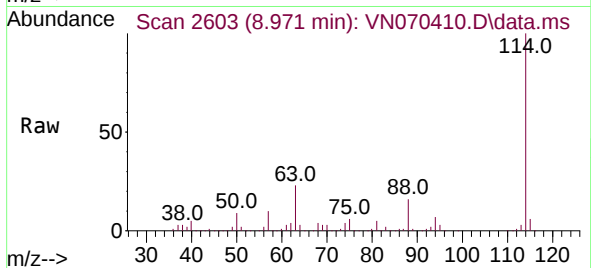
Tgt Ion:114 Resp: 1494003

Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

88 16.4 0.0 27.4



#35

Dibromofluoromethane

Concen: 51.861 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070410.D

Acq: 30 Dec 2021 19:49

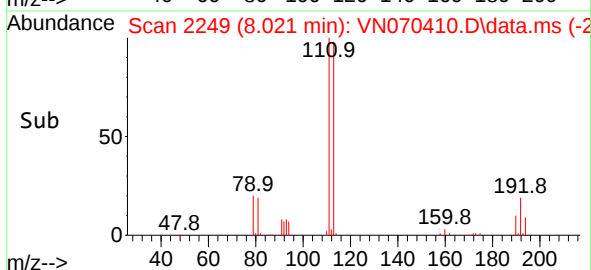
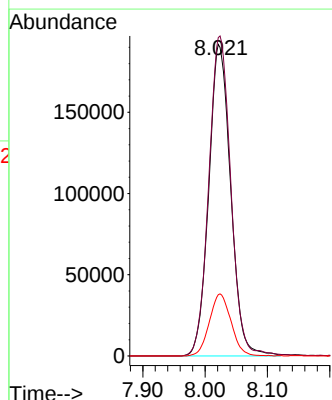
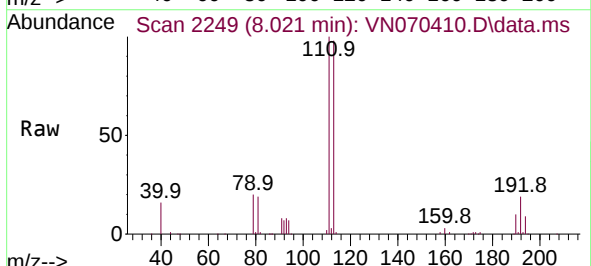
Tgt Ion:113 Resp: 468799

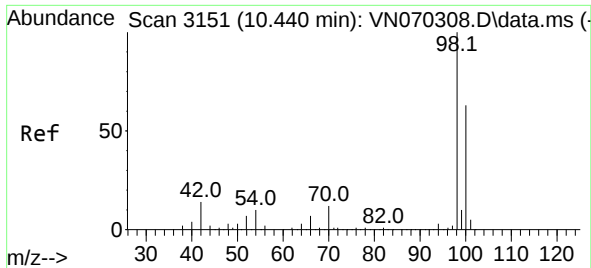
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.2

192 19.7 16.9 25.3

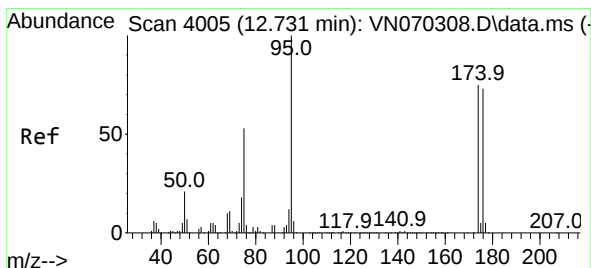
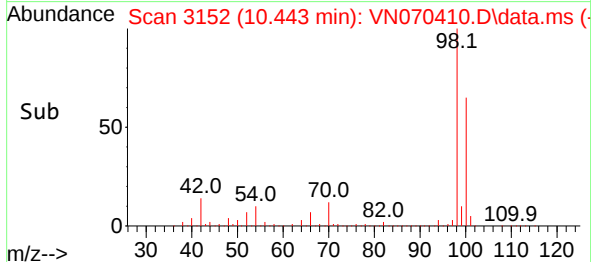
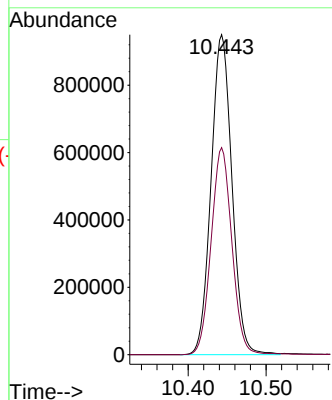
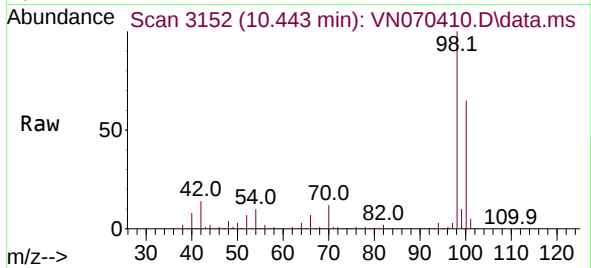




#50  
Toluene-d8  
Concen: 47.891 ug/l  
RT: 10.443 min Scan# 3151  
Delta R.T. 0.003 min  
Lab File: VN070410.D  
Acq: 30 Dec 2021 19:49

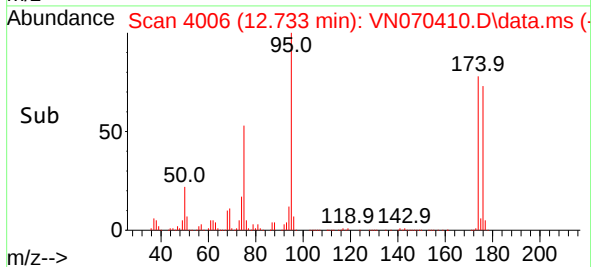
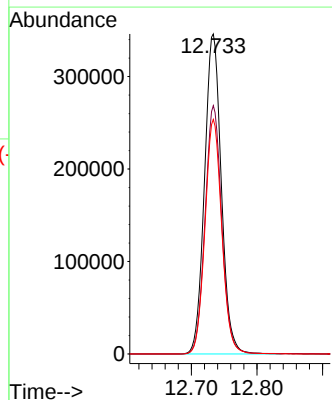
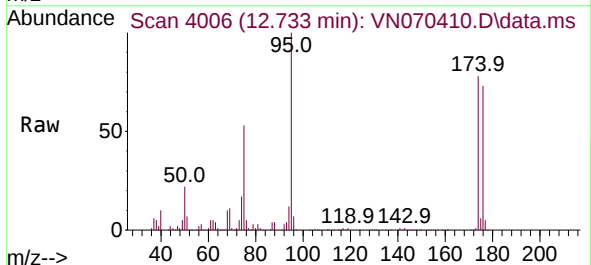
Instrument :  
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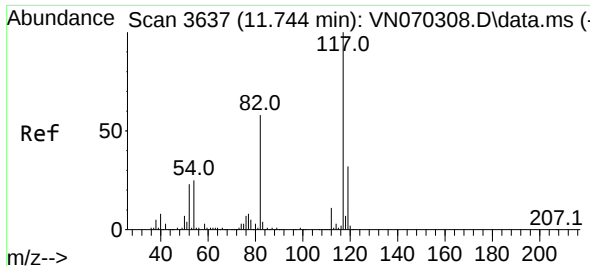
Tgt Ion: 98 Resp: 1768476  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.4 75.6



#62  
4-Bromofluorobenzene  
Concen: 46.071 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.002 min  
Lab File: VN070410.D  
Acq: 30 Dec 2021 19:49

Tgt Ion: 95 Resp: 614458  
Ion Ratio Lower Upper  
95 100  
174 77.5 0.0 187.2  
176 73.3 0.0 181.4

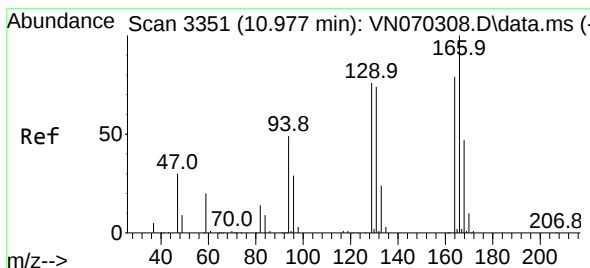
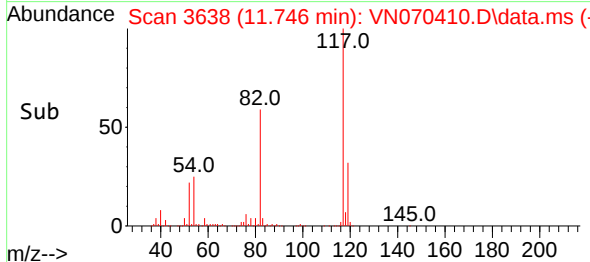
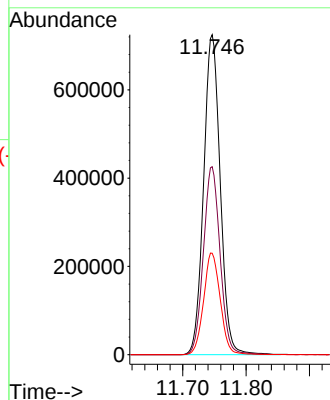
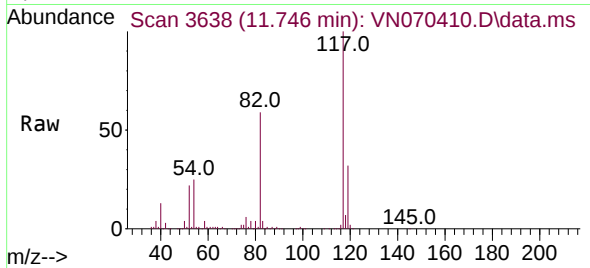




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3637  
Delta R.T. 0.002 min  
Lab File: VN070410.D  
Acq: 30 Dec 2021 19:49

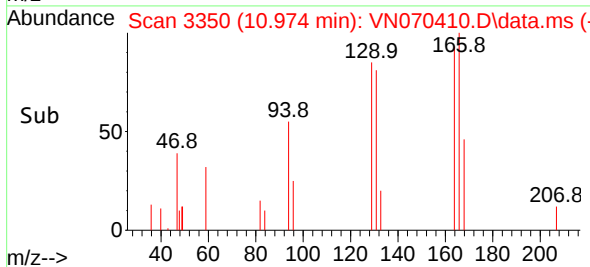
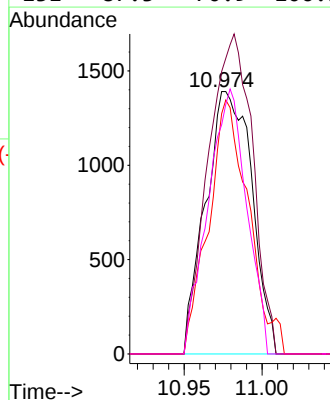
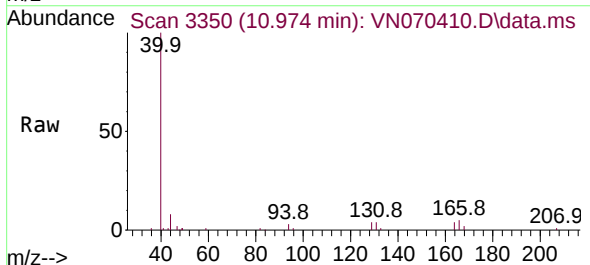
Instrument :  
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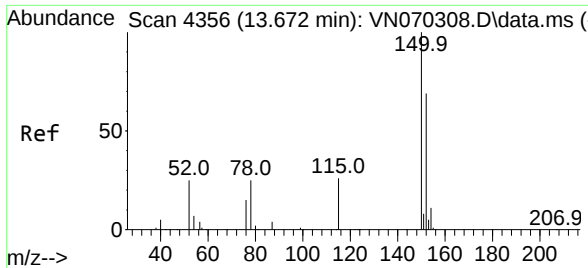
Tgt Ion:117 Resp: 1321508  
Ion Ratio Lower Upper  
117 100  
82 58.8 42.4 63.6  
119 31.7 25.4 38.2



#64  
Tetrachloroethene  
Concen: 0.300 ug/l  
RT: 10.974 min Scan# 3350  
Delta R.T. -0.003 min  
Lab File: VN070410.D  
Acq: 30 Dec 2021 19:49

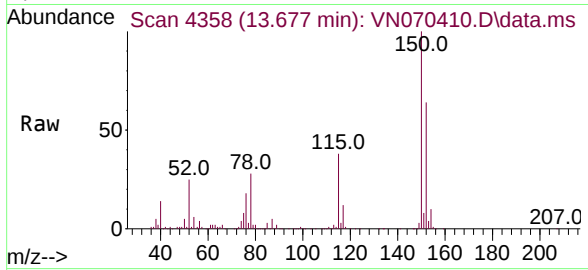
Tgt Ion:164 Resp: 2870  
Ion Ratio Lower Upper  
164 100  
166 107.6 101.9 152.9  
129 91.6 72.0 108.0  
131 87.3 70.9 106.3





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.677 min Scan# 41  
 Delta R.T. 0.005 min  
 Lab File: VN070410.D  
 Acq: 30 Dec 2021 19:49

Instrument :  
 MSVOA\_N  
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Tgt Ion:152 Resp: 429235  
 Ion Ratio Lower Upper  
 152 100  
 115 59.9 27.5 82.5  
 150 157.0 0.0 344.4

