

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120821\  
 Data File : VN069875.D  
 Acq On : 8 Dec 2021 21:09  
 Operator : JC/MD  
 Sample : PB141231ZHE#06  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB141231ZHE#06

Quant Time: Dec 09 11:48:05 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

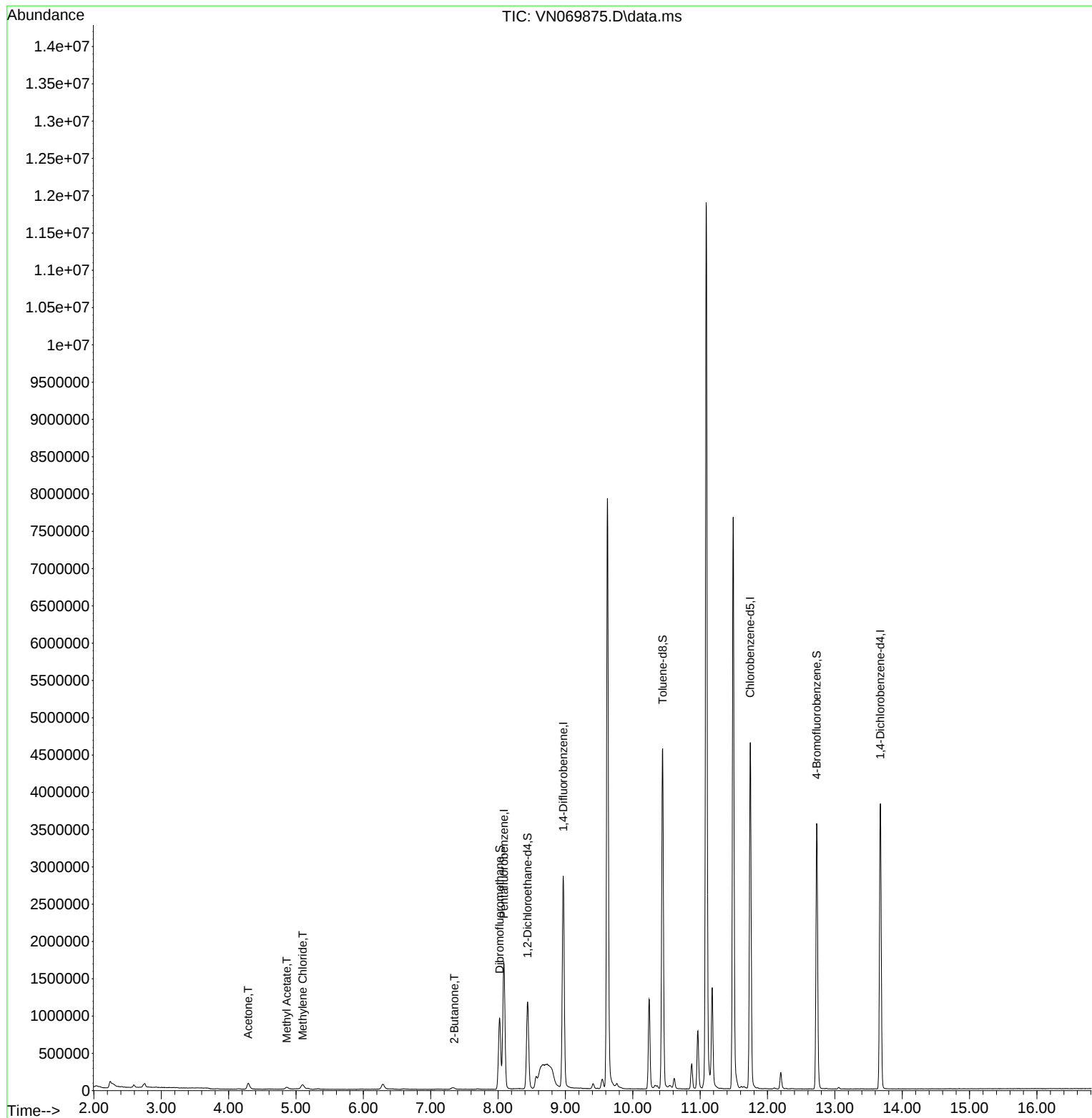
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.085     | 168   | 1249700  | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.968     | 114   | 2363395  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.744    | 117   | 2594160  | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.675    | 152   | 1033723  | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.437     | 65    | 1011760  | 52.435   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 61 - 141 | Recovery | =      | 104.880% |
| 35) Dibromofluoromethane    | 8.021     | 113   | 691635   | 46.720   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 69 - 133 | Recovery | =      | 93.440%  |
| 50) Toluene-d8              | 10.443    | 98    | 3095243  | 52.072   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 65 - 126 | Recovery | =      | 104.140% |
| 62) 4-Bromofluorobenzene    | 12.731    | 95    | 1232523  | 57.235   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 135 | Recovery | =      | 114.460% |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.290     | 43    | 146848   | 12.652   | ug/l   | 99       |
| 18) Methyl Acetate          | 4.862     | 43    | 58780    | 1.678    | ug/l # | 71       |
| 20) Methylene Chloride      | 5.098     | 84    | 37096    | 2.404    | ug/l # | 80       |
| 25) 2-Butanone              | 7.351     | 43    | 26144    | 1.658    | ug/l # | 85       |
| -----                       |           |       |          |          |        |          |

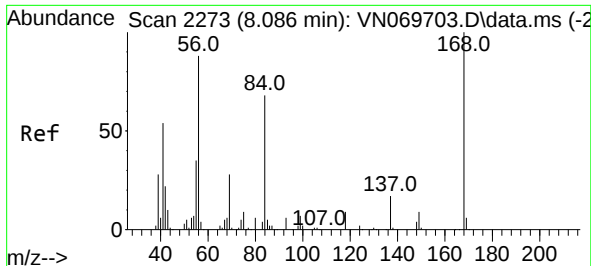
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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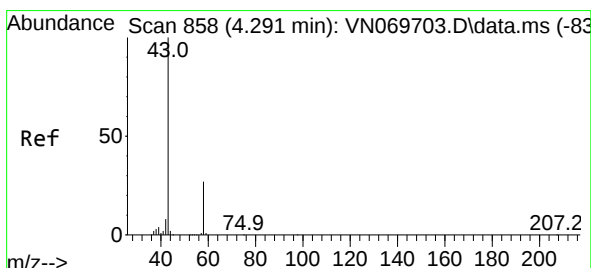
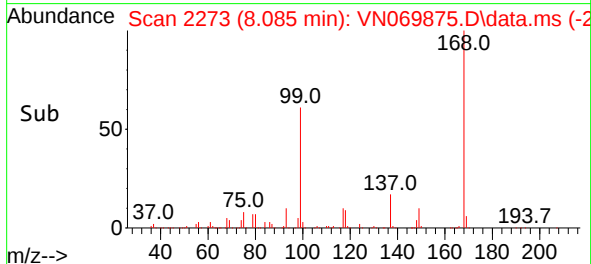
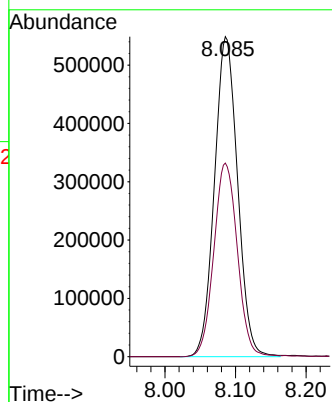
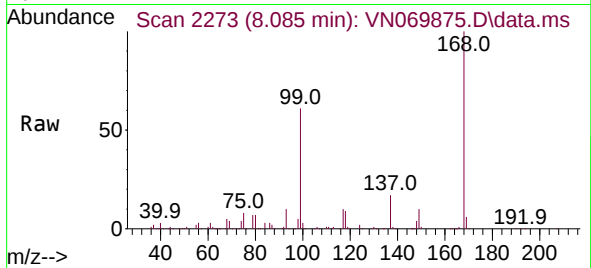




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.085 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: VN069875.D  
Acq: 8 Dec 2021 21:09

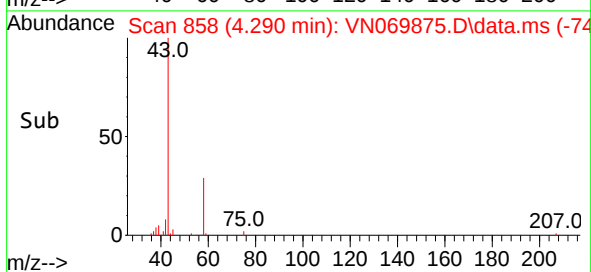
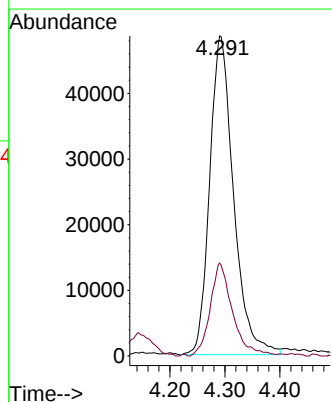
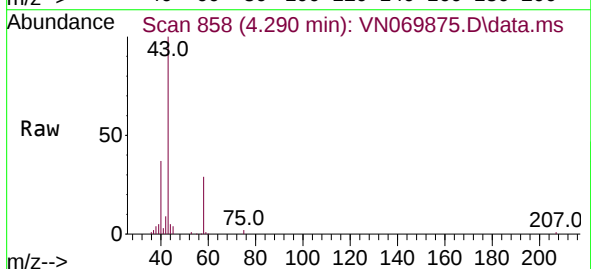
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB141231ZHE#06

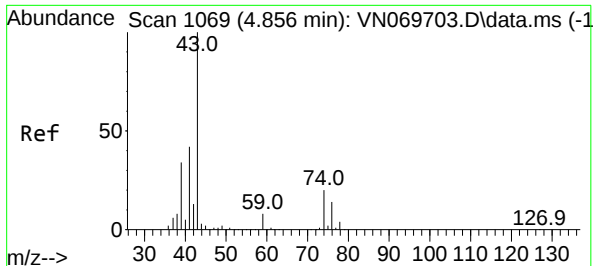
Tgt Ion:168 Resp: 1249700  
Ion Ratio Lower Upper  
168 100  
99 60.5 41.3 61.9



#16  
Acetone  
Concen: 12.652 ug/l  
RT: 4.290 min Scan# 858  
Delta R.T. -0.000 min  
Lab File: VN069875.D  
Acq: 8 Dec 2021 21:09

Tgt Ion: 43 Resp: 146848  
Ion Ratio Lower Upper  
43 100  
58 29.2 23.1 34.7

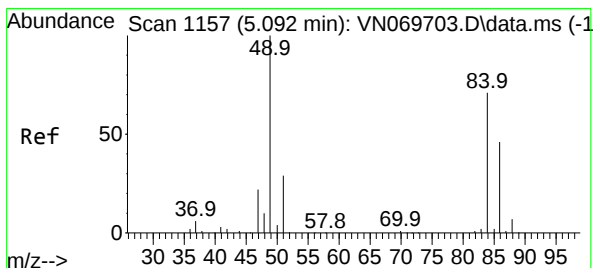
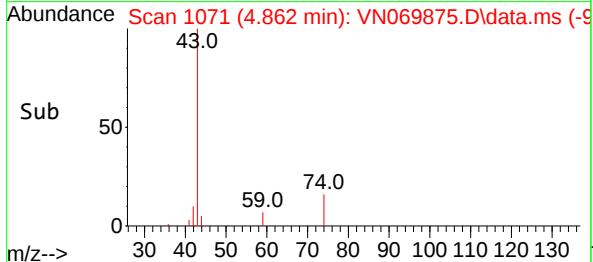
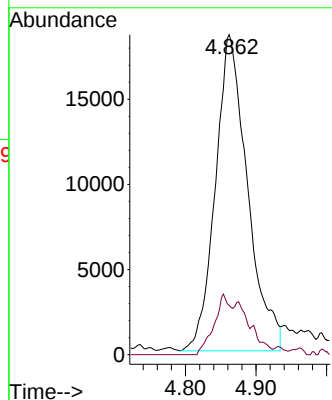
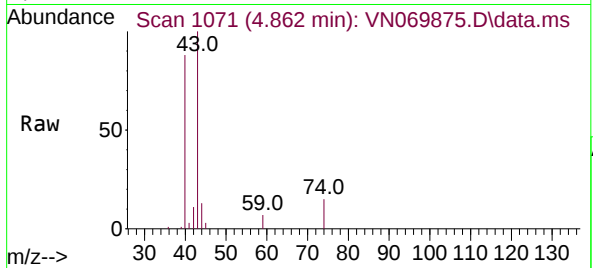




#18  
Methyl Acetate  
Concen: 1.678 ug/l  
RT: 4.862 min Scan# 1069  
Delta R.T. 0.005 min  
Lab File: VN069875.D  
Acq: 8 Dec 2021 21:09

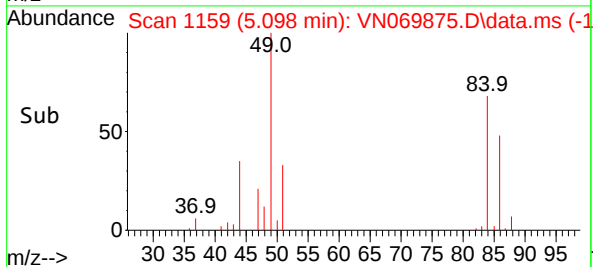
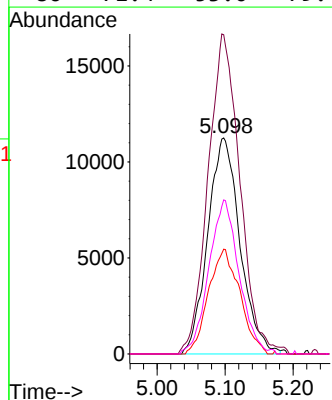
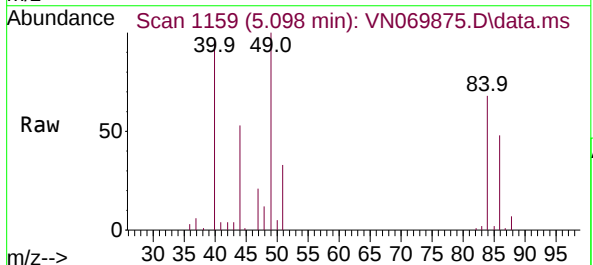
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB141231ZHE#06

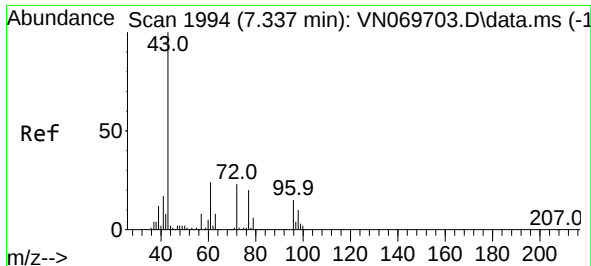
Tgt Ion: 43 Resp: 58780  
Ion Ratio Lower Upper  
43 100  
74 10.1 19.4 29.2#



#20  
Methylene Chloride  
Concen: 2.404 ug/l  
RT: 5.098 min Scan# 1159  
Delta R.T. 0.005 min  
Lab File: VN069875.D  
Acq: 8 Dec 2021 21:09

Tgt Ion: 84 Resp: 37096  
Ion Ratio Lower Upper  
84 100  
49 146.4 93.5 140.3#  
51 48.5 29.4 44.2#  
86 71.4 53.0 79.4





#25

2-Butanone

Concen: 1.658 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.013 min

Lab File: VN069875.D

Acq: 8 Dec 2021 21:09

Instrument :

MSVOA\_N

ClientSampleId :

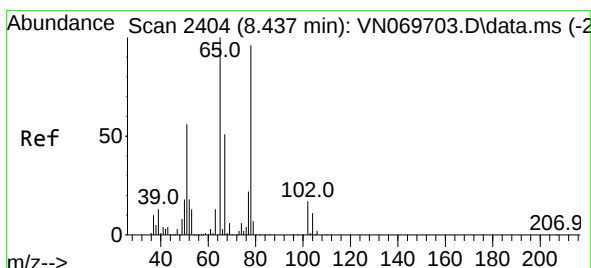
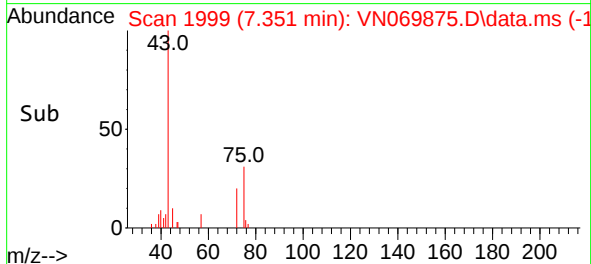
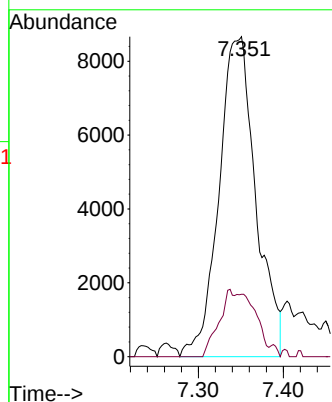
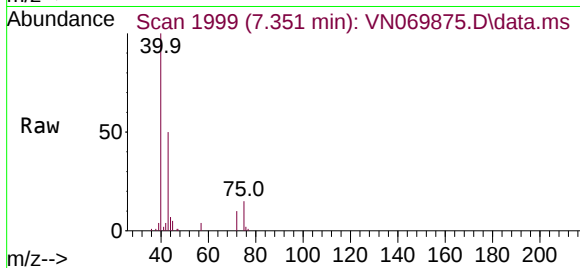
PB141231ZHE#06

Tgt Ion: 43 Resp: 26144

Ion Ratio Lower Upper

43 100

72 19.5 21.7 32.5#



#33

1,2-Dichloroethane-d4

Concen: 52.435 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN069875.D

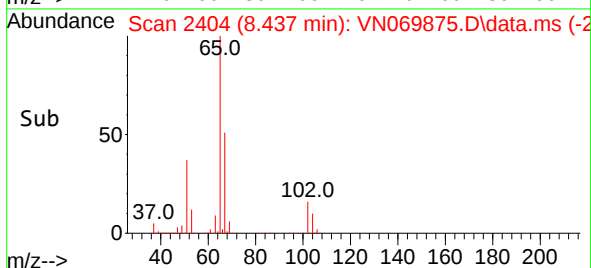
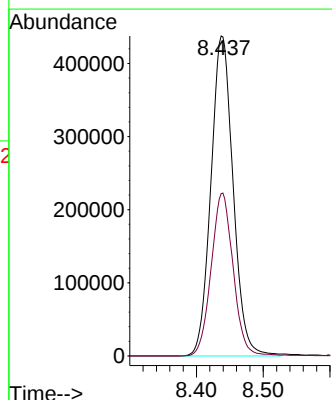
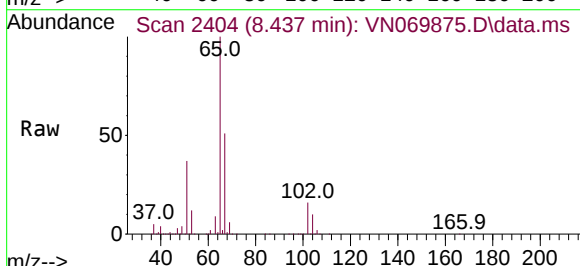
Acq: 8 Dec 2021 21:09

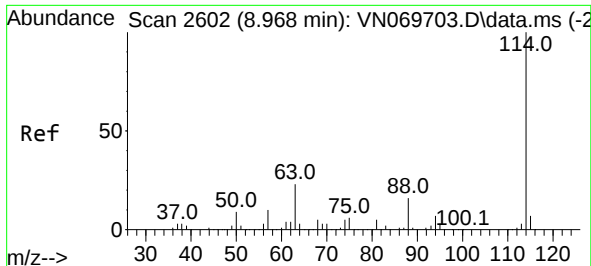
Tgt Ion: 65 Resp: 1011760

Ion Ratio Lower Upper

65 100

67 50.3 0.0 103.0

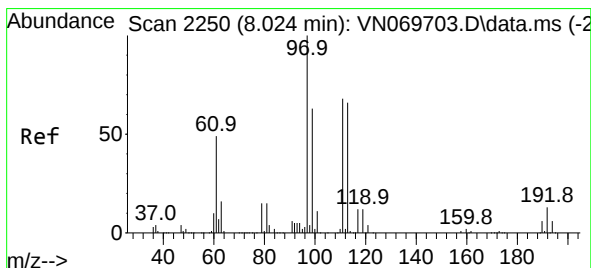
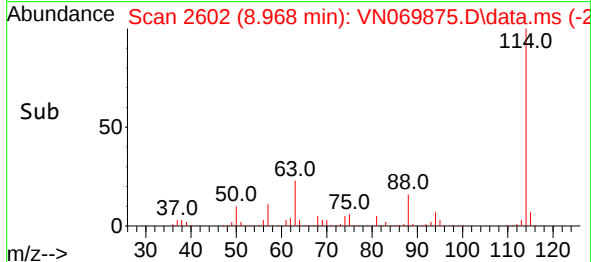
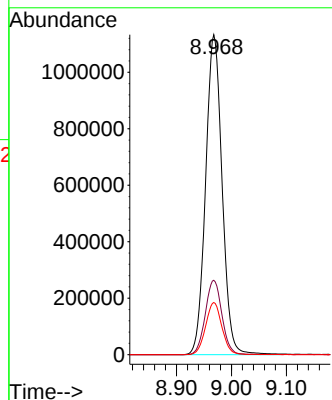
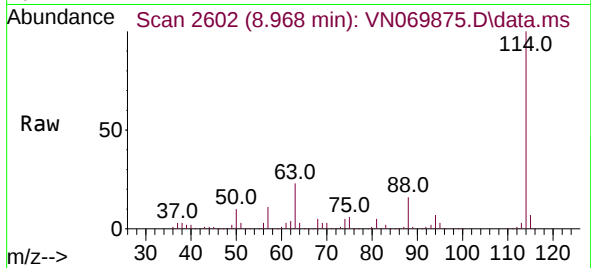




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.968 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN069875.D  
Acq: 8 Dec 2021 21:09

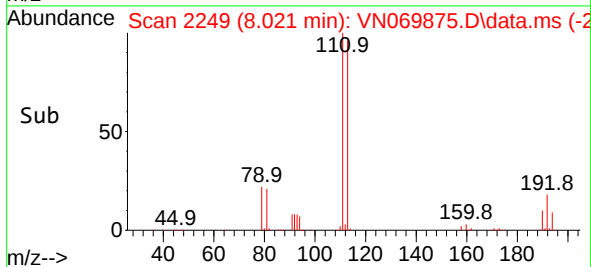
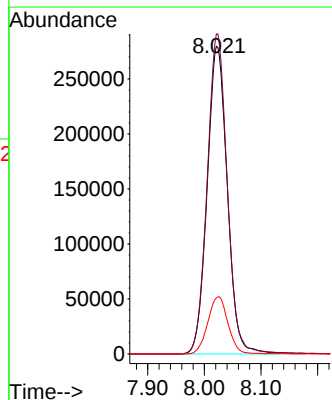
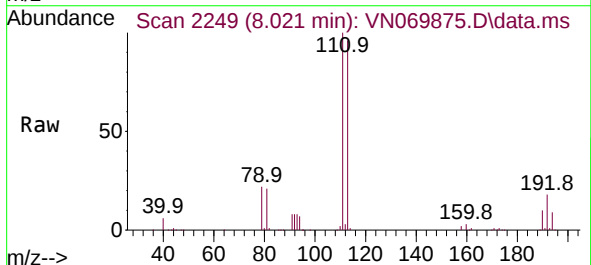
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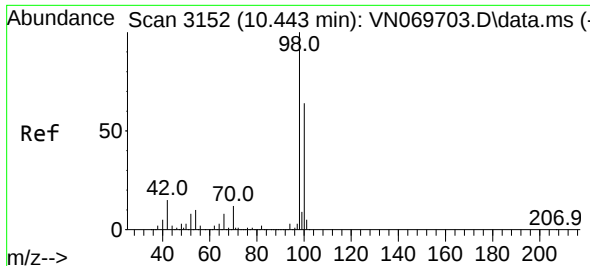
Tgt Ion:114 Resp: 2363395  
Ion Ratio Lower Upper  
114 100  
63 23.3 0.0 37.8  
88 16.3 0.0 27.4



#35  
Dibromofluoromethane  
Concen: 46.720 ug/l  
RT: 8.021 min Scan# 2249  
Delta R.T. -0.003 min  
Lab File: VN069875.D  
Acq: 8 Dec 2021 21:09

Tgt Ion:113 Resp: 691635  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.2 123.2  
192 18.6 16.9 25.3

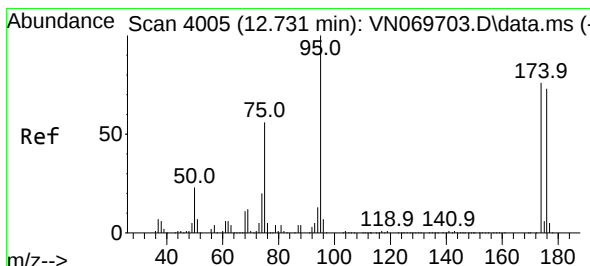
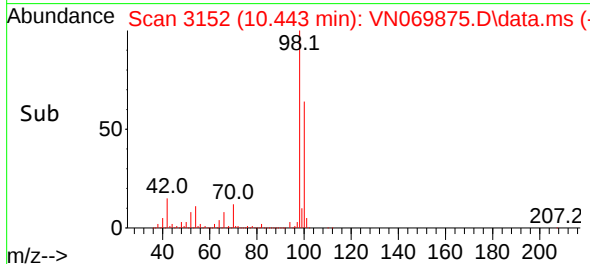
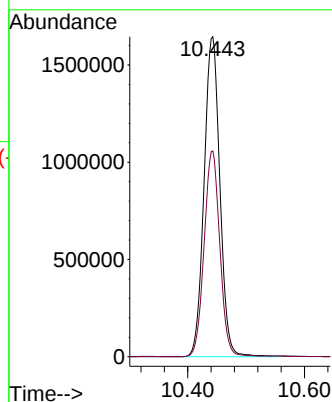
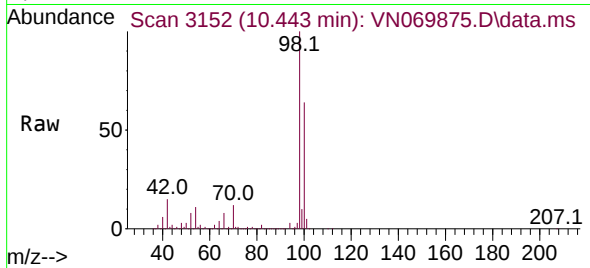




#50  
Toluene-d8  
Concen: 52.072 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VN069875.D  
Acq: 8 Dec 2021 21:09

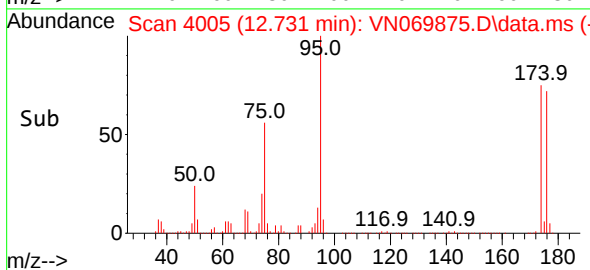
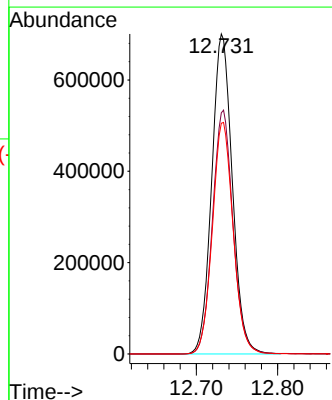
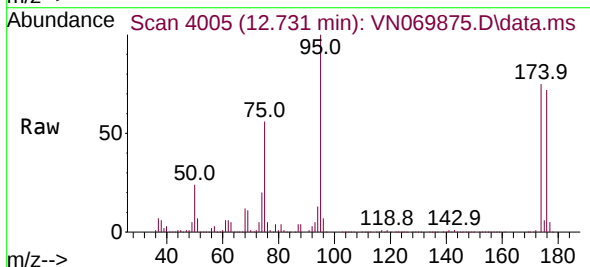
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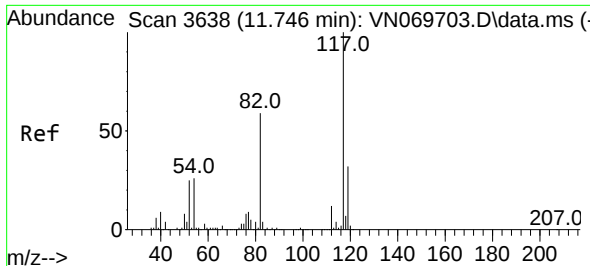
Tgt Ion: 98 Resp: 3095243  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.4 75.6



#62  
4-Bromofluorobenzene  
Concen: 57.235 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.000 min  
Lab File: VN069875.D  
Acq: 8 Dec 2021 21:09

Tgt Ion: 95 Resp: 1232523  
Ion Ratio Lower Upper  
95 100  
174 76.1 0.0 187.2  
176 73.0 0.0 181.4

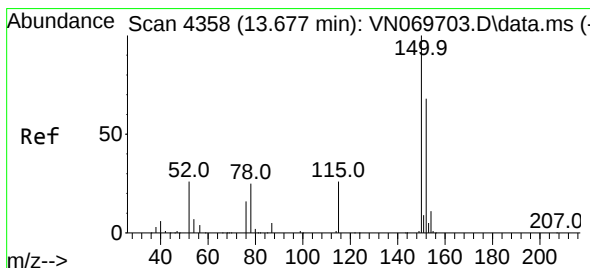
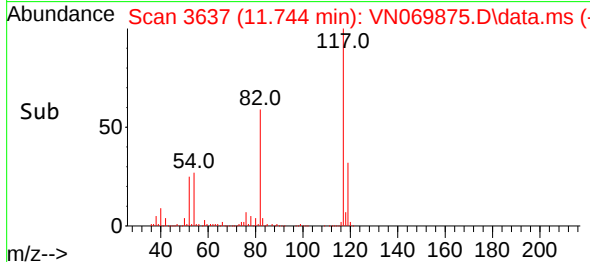
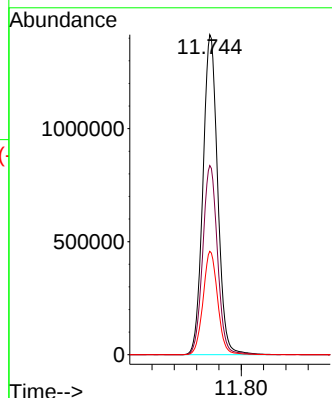
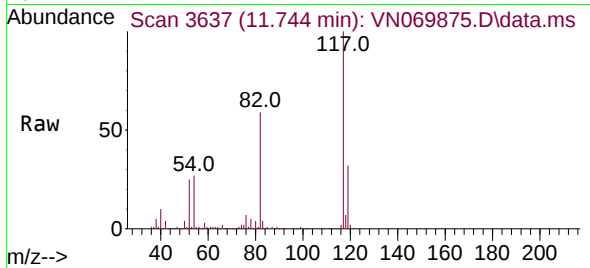




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.744 min Scan# 3637  
Delta R.T. -0.002 min  
Lab File: VN069875.D  
Acq: 8 Dec 2021 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB141231ZHE#06

Tgt Ion:117 Resp: 2594160  
Ion Ratio Lower Upper  
117 100  
82 59.1 42.4 63.6  
119 32.3 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: VN069875.D  
Acq: 8 Dec 2021 21:09

Tgt Ion:152 Resp: 1033723  
Ion Ratio Lower Upper  
152 100  
115 60.2 27.5 82.5  
150 158.0 0.0 344.4

