

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020223\  
 Data File : VN076517.D  
 Acq On : 02 Feb 2023 18:03  
 Operator : JC\MD  
 Sample : PB150614ZHE#3  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB150614ZHE#3

Quant Time: Feb 03 01:04:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 03:59:22 2023  
 Response via : Initial Calibration

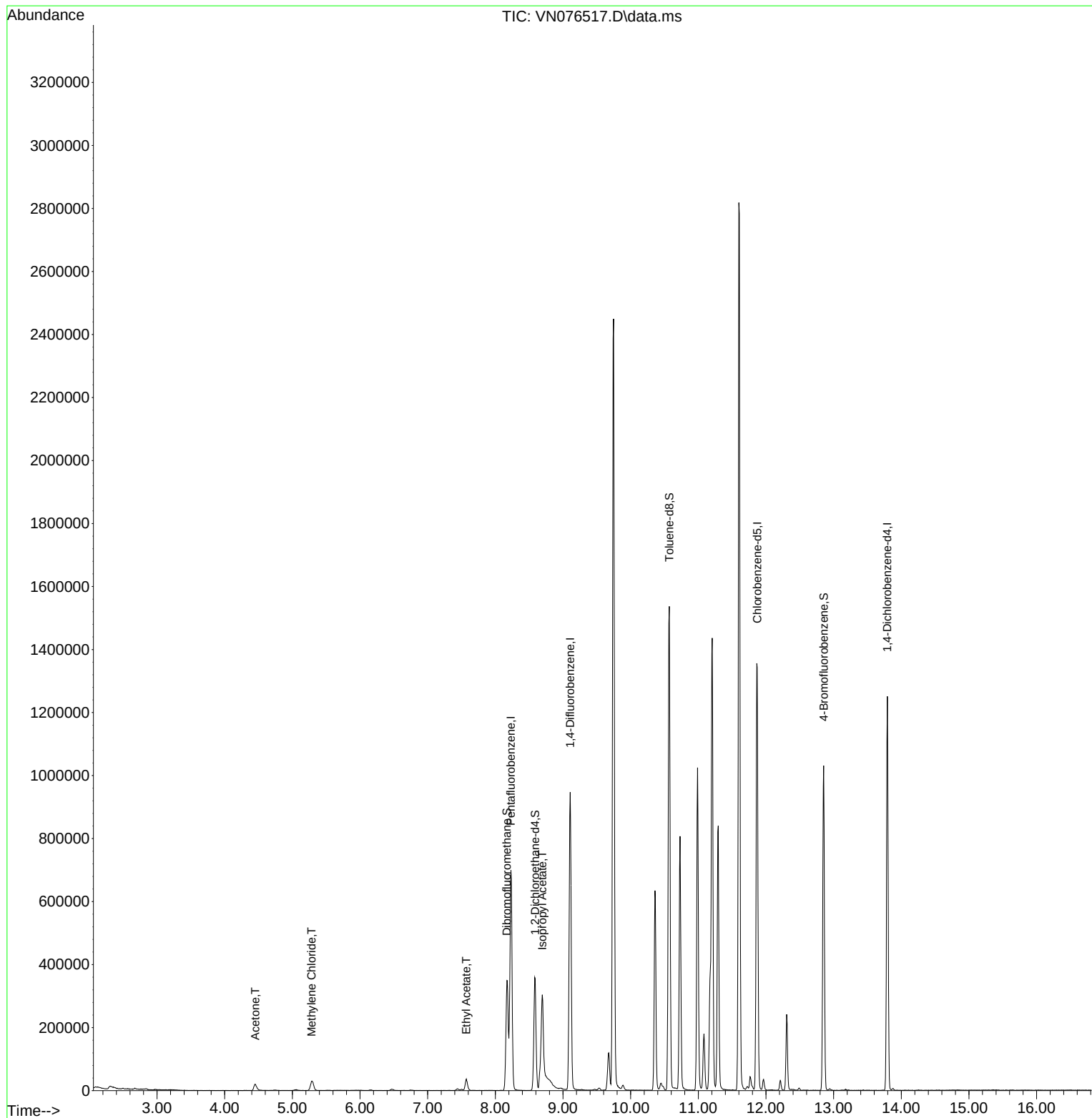
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 513689   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 865477   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 858887   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 356152   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 304735   | 52.982   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 105.960% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 257328   | 47.531   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 95.060%  |
| 50) Toluene-d8              | 10.571 | 98    | 1114992  | 55.766   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 111.540% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 390728   | 59.862   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 119.720% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          |        | Qvalue   |
| 16) Acetone                 | 4.453  | 43    | 39775    | 21.505   | ug/l   | 98       |
| 20) Methylene Chloride      | 5.283  | 84    | 26562    | 4.318    | ug/l   | 89       |
| 37) Ethyl Acetate           | 7.571  | 43    | 51005    | 8.296    | ug/l   | 97       |
| 43) Isopropyl Acetate       | 8.694  | 43    | 460831   | 45.908   | ug/l # | 74       |
| -----                       |        |       |          |          |        |          |

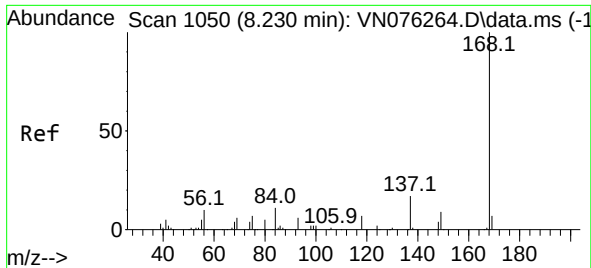
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jan 17 03:59:22 2023  
Response via : Initial Calibration

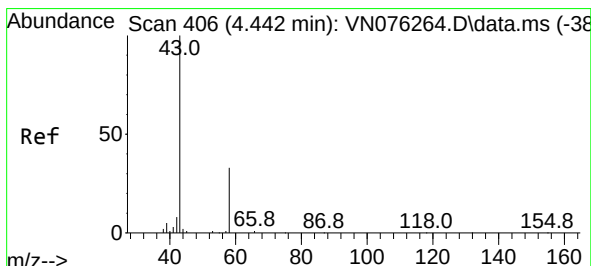
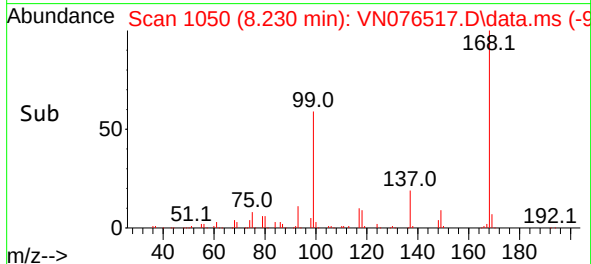
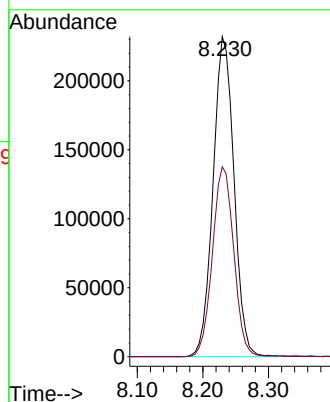
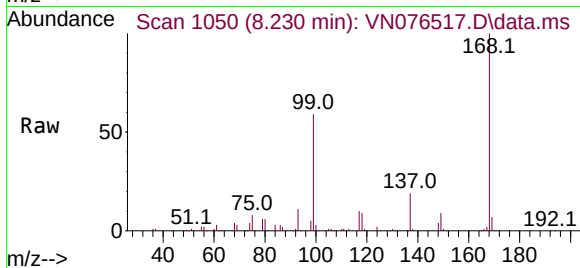




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN076517.D  
Acq: 02 Feb 2023 18:03

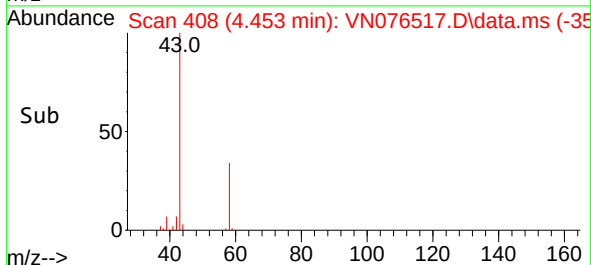
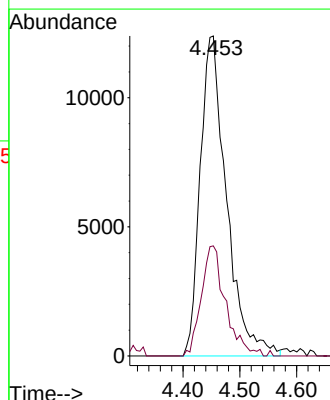
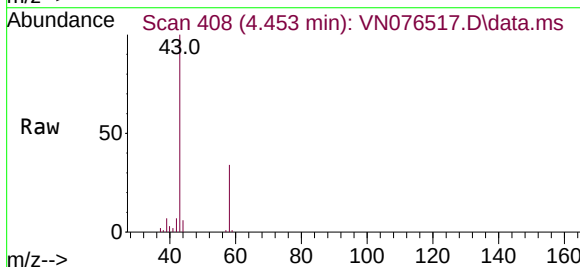
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB150614ZHE#3

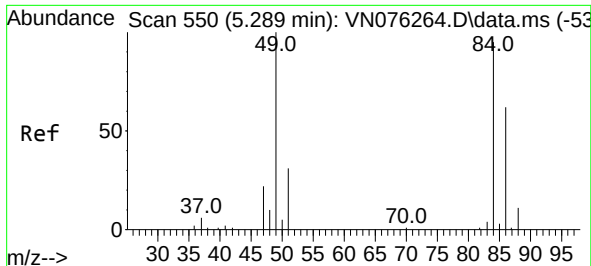
Tgt Ion:168 Resp: 513689  
Ion Ratio Lower Upper  
168 100  
99 59.4 41.6 62.4



#16  
Acetone  
Concen: 21.505 ug/l  
RT: 4.453 min Scan# 408  
Delta R.T. 0.011 min  
Lab File: VN076517.D  
Acq: 02 Feb 2023 18:03

Tgt Ion: 43 Resp: 39775  
Ion Ratio Lower Upper  
43 100  
58 34.4 26.7 40.1

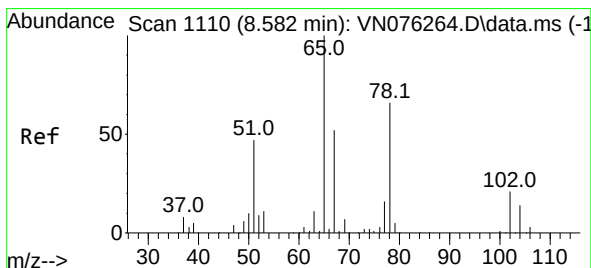
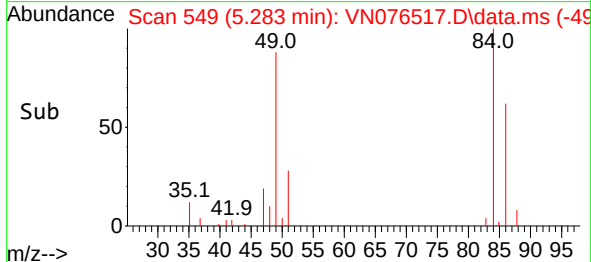
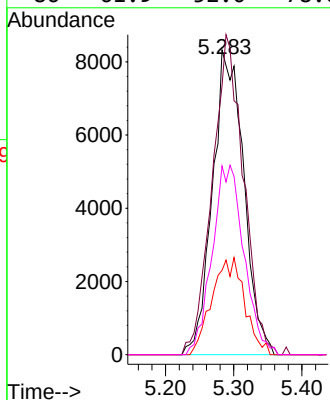
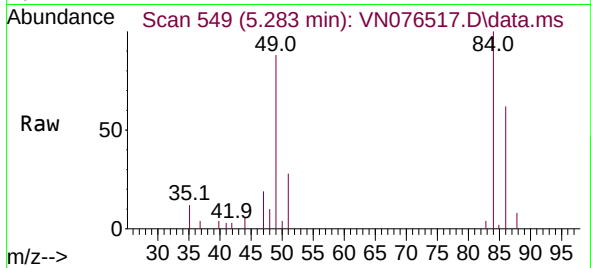




#20  
Methylene Chloride  
Concen: 4.318 ug/l  
RT: 5.283 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: VN076517.D  
Acq: 02 Feb 2023 18:03

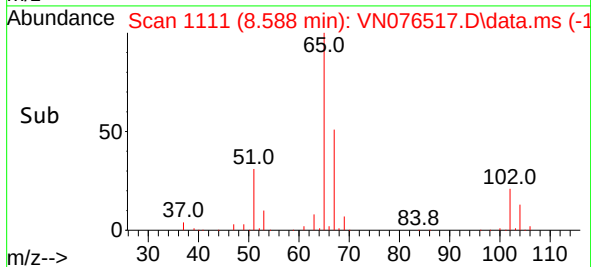
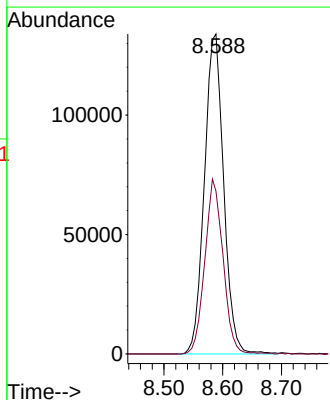
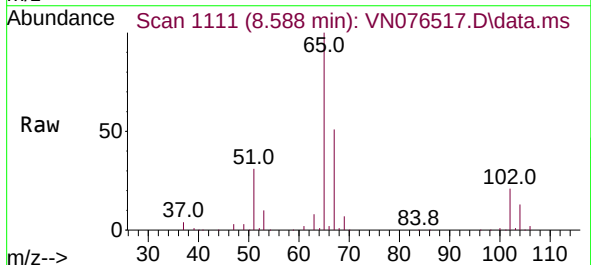
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB150614ZHE#3

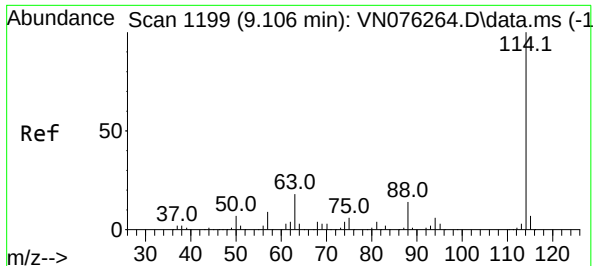
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 26562 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 88.3     | 84.5 126.7  |
| 51 27.7     | 26.0 39.0   |
| 86 61.9     | 52.0 78.0   |



#33  
1,2-Dichloroethane-d4  
Concen: 52.982 ug/l  
RT: 8.588 min Scan# 1111  
Delta R.T. 0.006 min  
Lab File: VN076517.D  
Acq: 02 Feb 2023 18:03

|             |              |
|-------------|--------------|
| Tgt Ion: 65 | Resp: 304735 |
| Ion Ratio   | Lower Upper  |
| 65 100      |              |
| 67 51.5     | 0.0 104.6    |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076517.D

Acq: 02 Feb 2023 18:03

Instrument :

MSVOA\_N

ClientSampleId :

PB150614ZHE#3

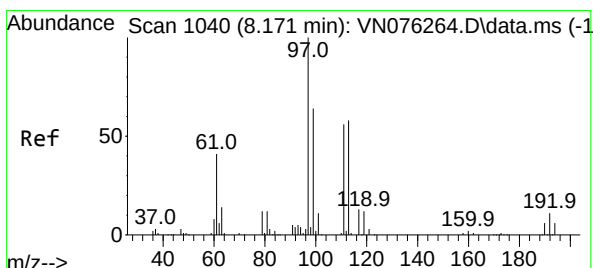
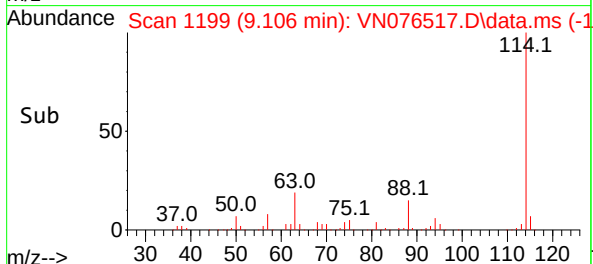
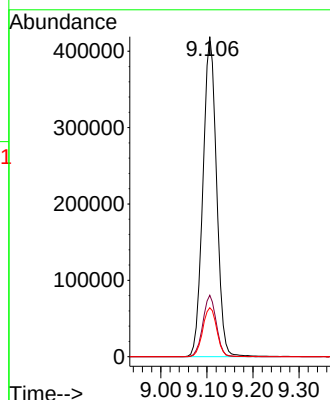
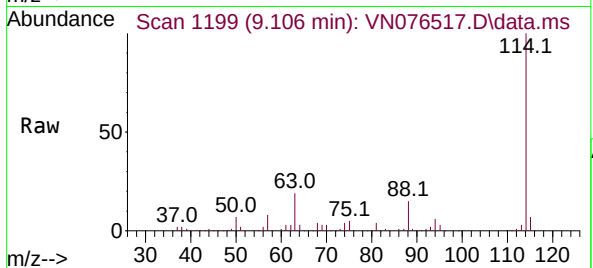
Tgt Ion:114 Resp: 865477

Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.8

88 15.3 0.0 28.0



#35

Dibromofluoromethane

Concen: 47.531 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076517.D

Acq: 02 Feb 2023 18:03

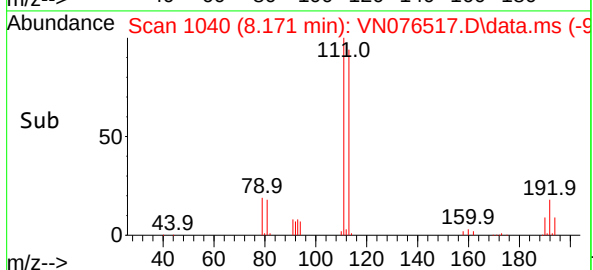
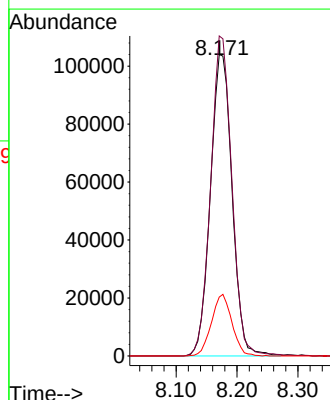
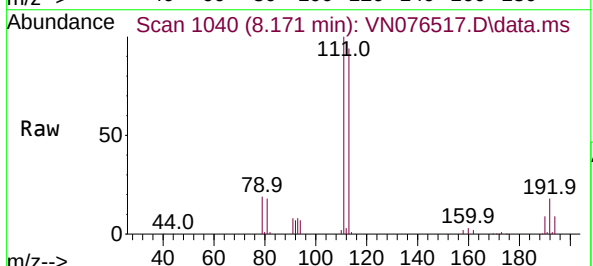
Tgt Ion:113 Resp: 257328

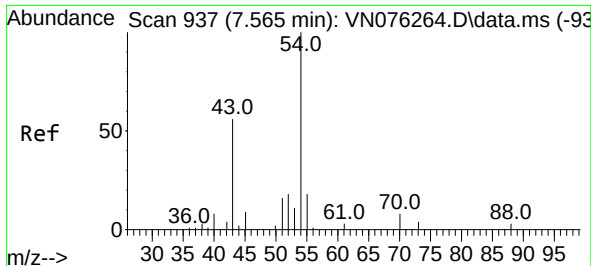
Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

192 19.3 15.6 23.4

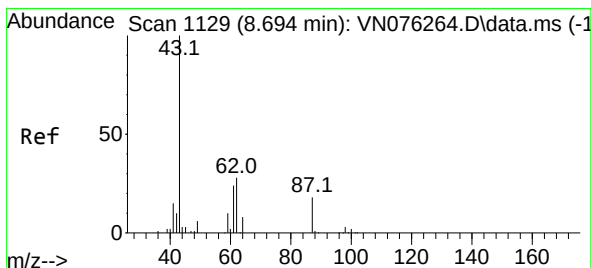
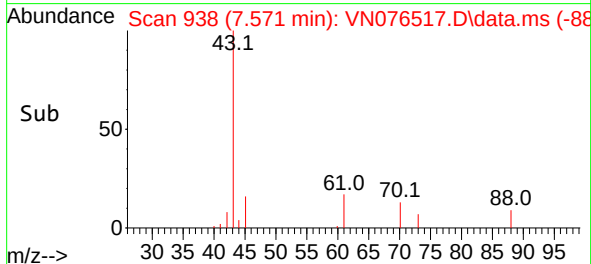
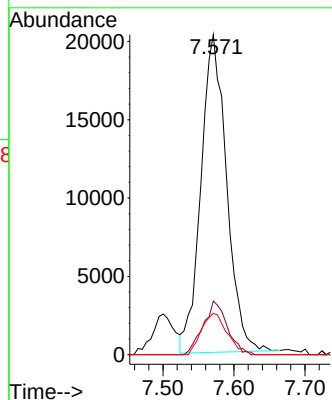
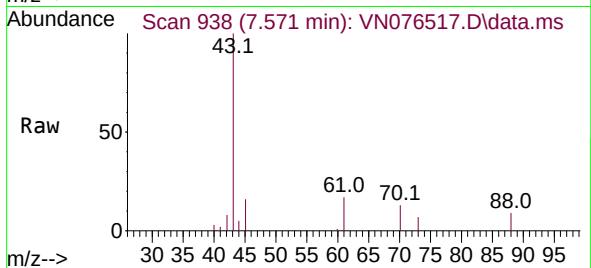




#37  
Ethyl Acetate  
Concen: 8.296 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN076517.D  
Acq: 02 Feb 2023 18:03

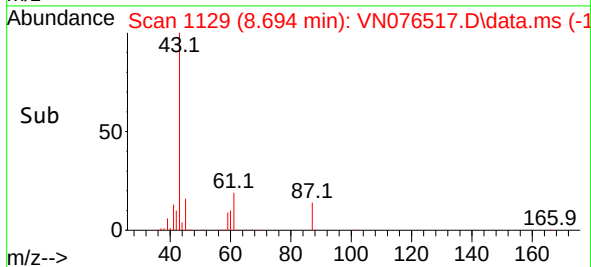
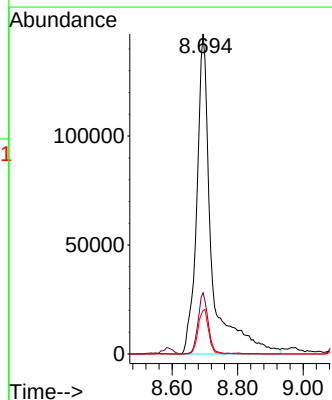
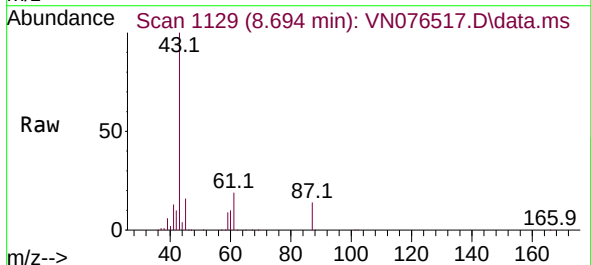
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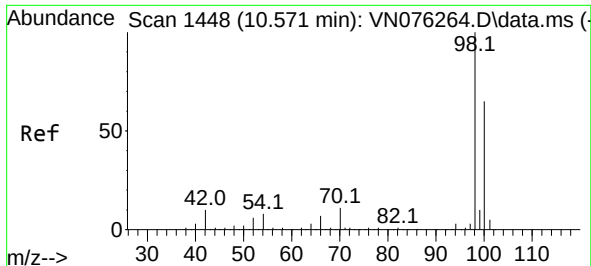
Tgt Ion: 43 Resp: 51005  
Ion Ratio Lower Upper  
43 100  
61 15.7 11.1 16.7  
70 13.1 10.0 15.0



#43  
Isopropyl Acetate  
Concen: 45.908 ug/l  
RT: 8.694 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VN076517.D  
Acq: 02 Feb 2023 18:03

Tgt Ion: 43 Resp: 460831  
Ion Ratio Lower Upper  
43 100  
61 13.1 23.5 35.3#  
87 9.7 13.8 20.6#

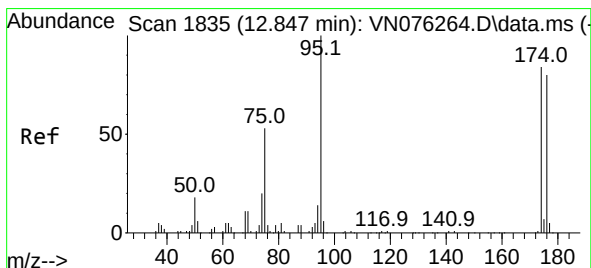
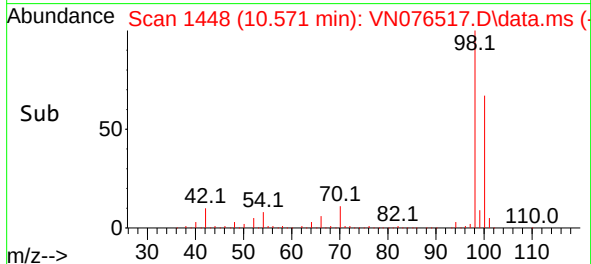
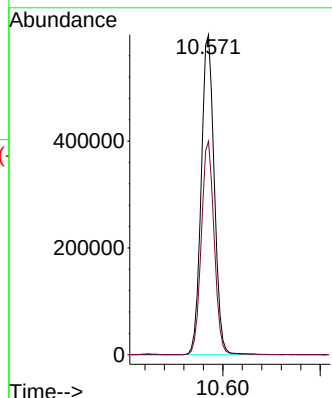
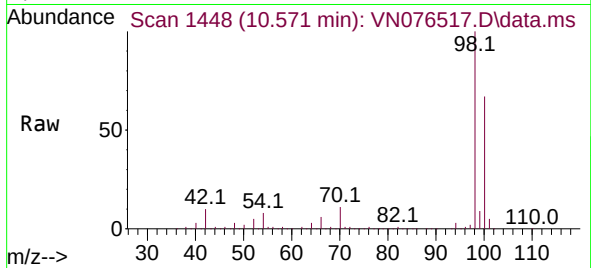




#50  
Toluene-d8  
Concen: 55.766 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN076517.D  
Acq: 02 Feb 2023 18:03

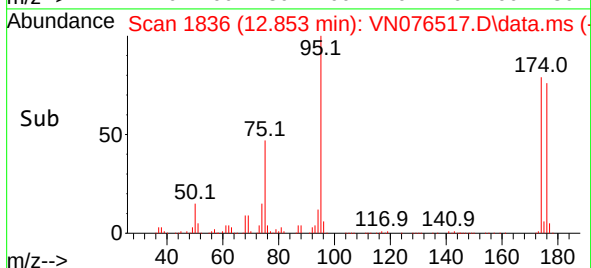
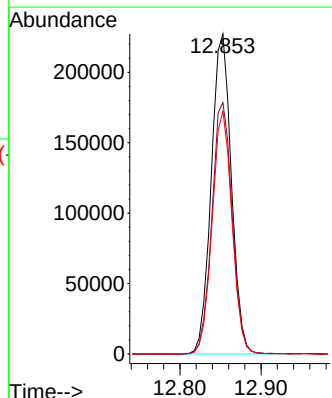
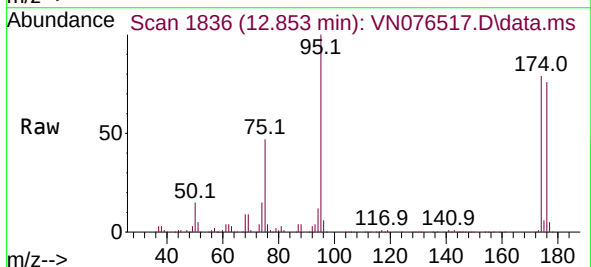
Instrument :  
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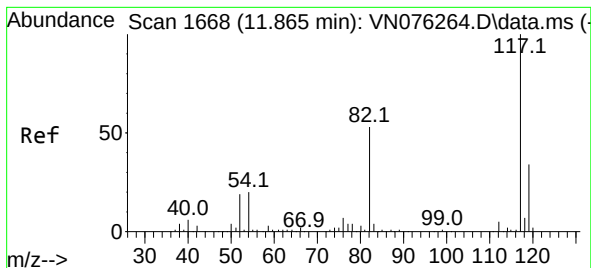
Tgt Ion: 98 Resp: 1114992  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.2 78.4



#62  
4-Bromofluorobenzene  
Concen: 59.862 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN076517.D  
Acq: 02 Feb 2023 18:03

Tgt Ion: 95 Resp: 390728  
Ion Ratio Lower Upper  
95 100  
174 79.5 0.0 174.6  
176 74.7 0.0 167.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076517.D

Acq: 02 Feb 2023 18:03

Instrument :

MSVOA\_N

ClientSampleId :

PB150614ZHE#3

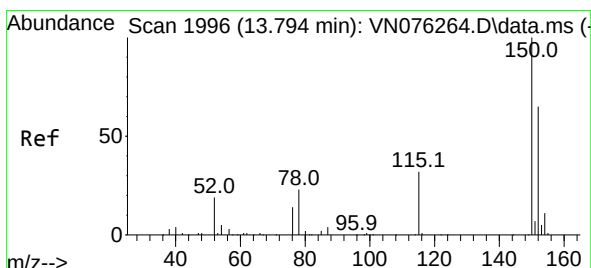
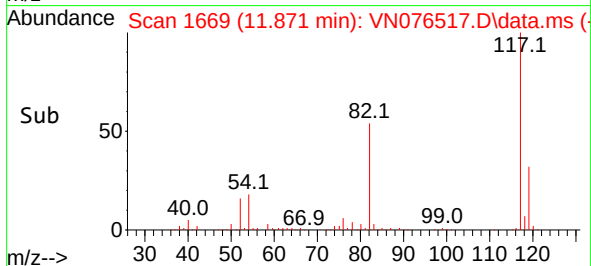
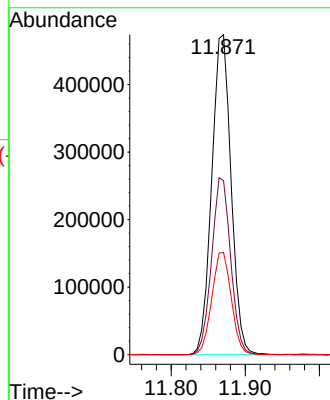
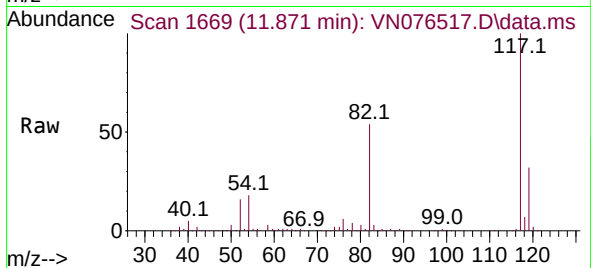
Tgt Ion:117 Resp: 858887

Ion Ratio Lower Upper

117 100

82 54.4 42.2 63.2

119 32.0 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076517.D

Acq: 02 Feb 2023 18:03

Tgt Ion:152 Resp: 356152

Ion Ratio Lower Upper

152 100

115 61.9 29.6 88.9

150 158.4 0.0 351.4

