

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041323\  
 Data File : VN077331.D  
 Acq On : 13 Apr 2023 16:14  
 Operator : JC\MD  
 Sample : PB152070ZHE#03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB152070ZHE#03

Quant Time: Apr 14 07:24:54 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N040523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 06 08:27:03 2023  
 Response via : Initial Calibration

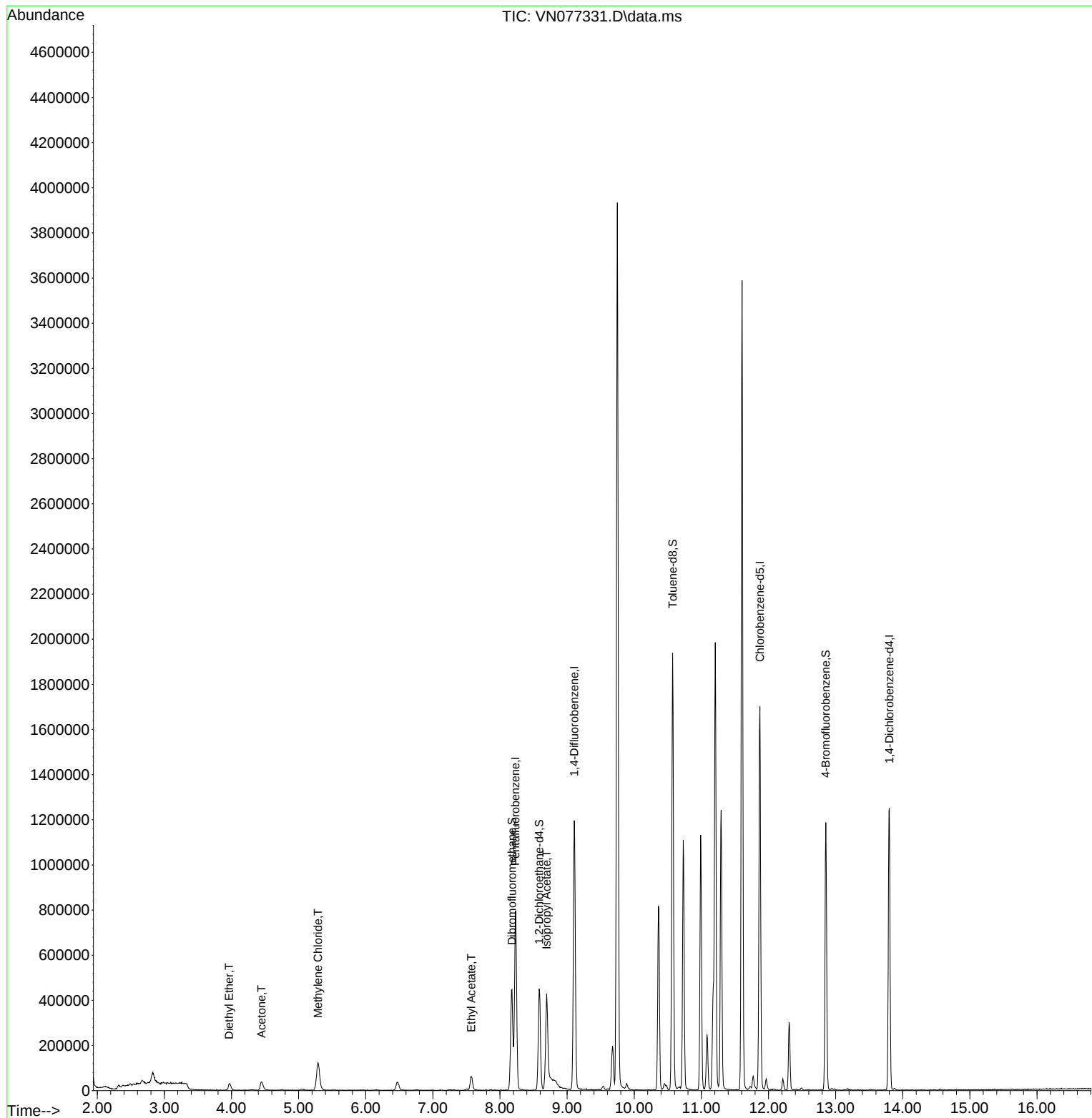
| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Pentafluorobenzene       | 8.231          | 168  | 567796     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.107          | 114  | 1096040    | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.872         | 117  | 1005684    | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.801         | 152  | 343838     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.584          | 65   | 348218     | 44.872  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 89.740% |        |          |
| 35) Dibromofluoromethane    | 8.178          | 113  | 326920     | 46.593  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 93.180% |        |          |
| 50) Toluene-d8              | 10.572         | 98   | 1353426    | 47.915  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 95.840% |        |          |
| 62) 4-Bromofluorobenzene    | 12.854         | 95   | 408230     | 43.455  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 86.920% |        |          |
| Target Compounds            |                |      |            |         |        |          |
|                             |                |      |            |         | Qvalue |          |
| 8) Diethyl Ether            | 3.966          | 74   | 21423      | 4.842   | ug/l   | 94       |
| 16) Acetone                 | 4.449          | 43   | 72536      | 25.351  | ug/l   | 97       |
| 20) Methylene Chloride      | 5.290          | 84   | 109403     | 13.539  | ug/l # | 92       |
| 37) Ethyl Acetate           | 7.572          | 43   | 92959      | 10.012  | ug/l   | 96       |
| 43) Isopropyl Acetate       | 8.695          | 43   | 520929     | 30.406  | ug/l # | 84       |
| -----                       |                |      |            |         |        |          |

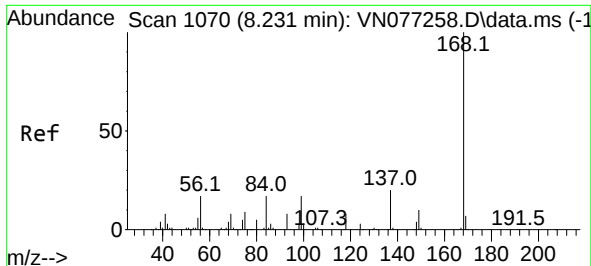
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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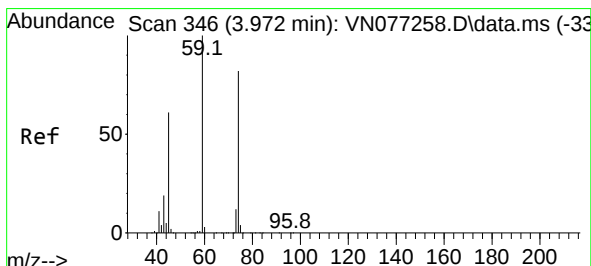
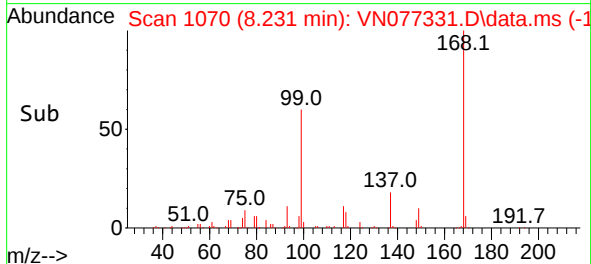
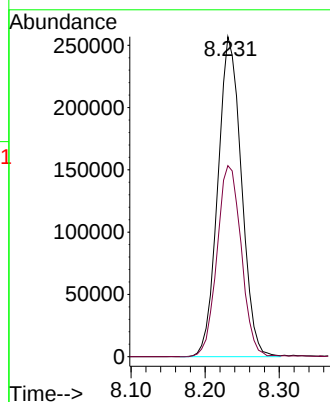
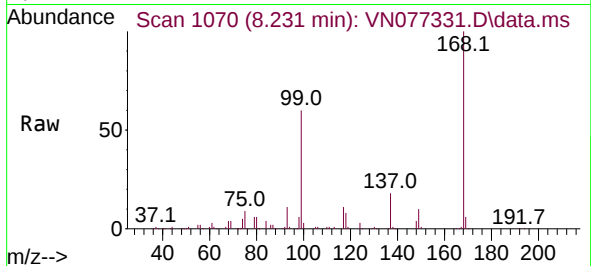




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.231 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: VN077331.D  
Acq: 13 Apr 2023 16:14

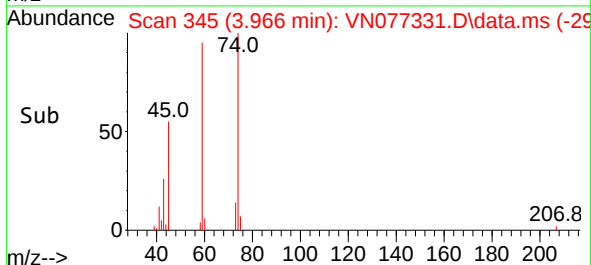
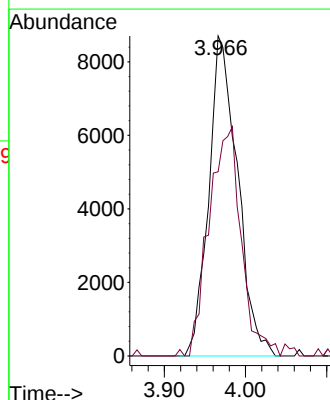
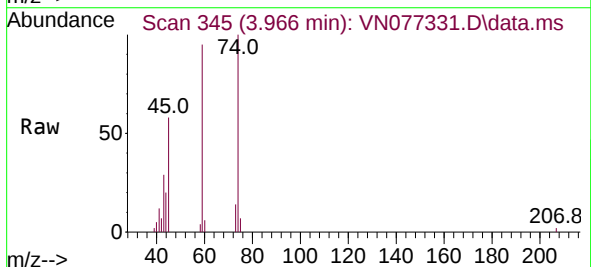
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB152070ZHE#03

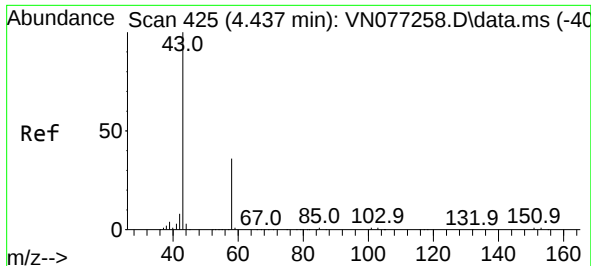
Tgt Ion:168 Resp: 567796  
Ion Ratio Lower Upper  
168 100  
99 59.7 50.6 75.8



#8  
Diethyl Ether  
Concen: 4.842 ug/l  
RT: 3.966 min Scan# 345  
Delta R.T. -0.006 min  
Lab File: VN077331.D  
Acq: 13 Apr 2023 16:14

Tgt Ion: 74 Resp: 21423  
Ion Ratio Lower Upper  
74 100  
45 80.3 37.8 113.4





#16

Acetone

Concen: 25.351 ug/l

RT: 4.449 min Scan# 41

Delta R.T. 0.011 min

Lab File: VN077331.D

Acq: 13 Apr 2023 16:14

Instrument :

MSVOA\_N

ClientSampleId :

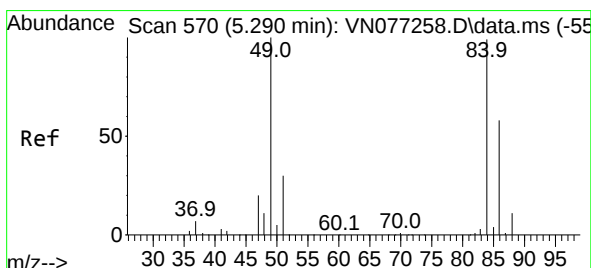
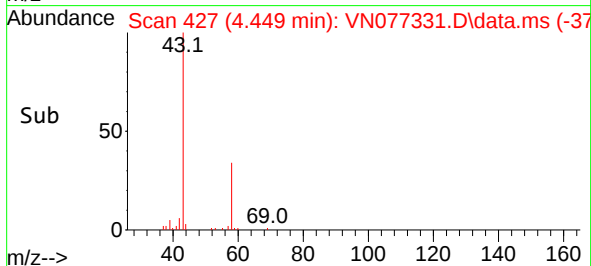
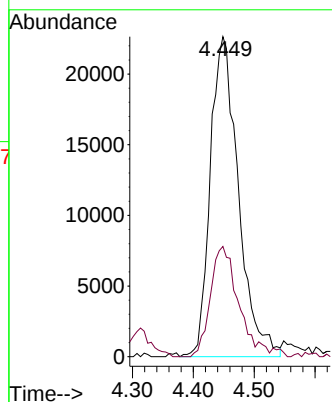
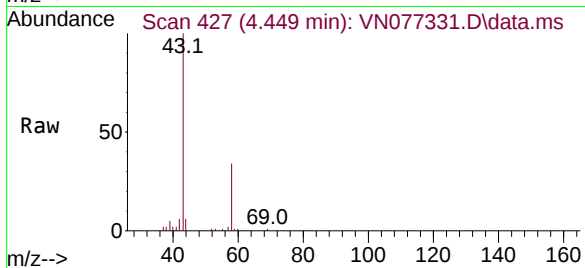
PB152070ZHE#03

Tgt Ion: 43 Resp: 72536

Ion Ratio Lower Upper

43 100

58 34.4 29.0 43.6



#20

Methylene Chloride

Concen: 13.539 ug/l

RT: 5.290 min Scan# 570

Delta R.T. -0.000 min

Lab File: VN077331.D

Acq: 13 Apr 2023 16:14

Tgt Ion: 84 Resp: 109403

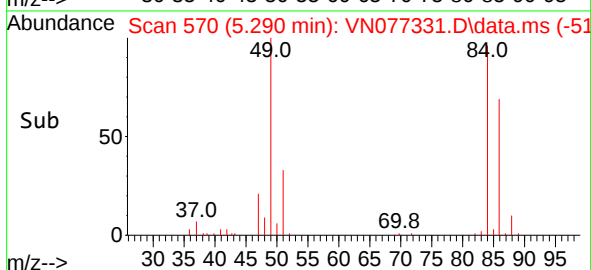
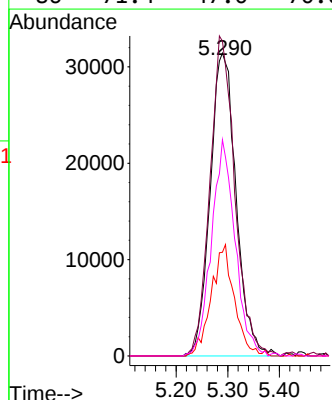
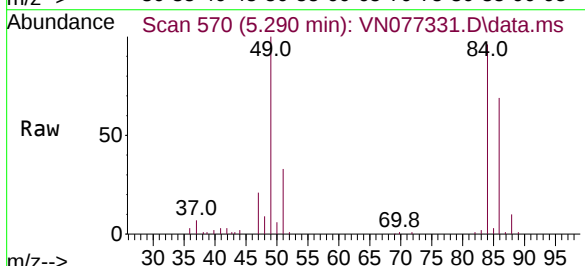
Ion Ratio Lower Upper

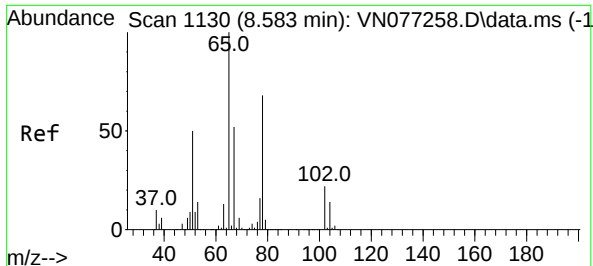
84 100

49 103.9 80.6 121.0

51 34.2 24.4 36.6

86 71.4 47.0 70.6#





#33

1,2-Dichloroethane-d4

Concen: 44.872 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VN077331.D

Acq: 13 Apr 2023 16:14

Instrument :

MSVOA\_N

ClientSampleId :

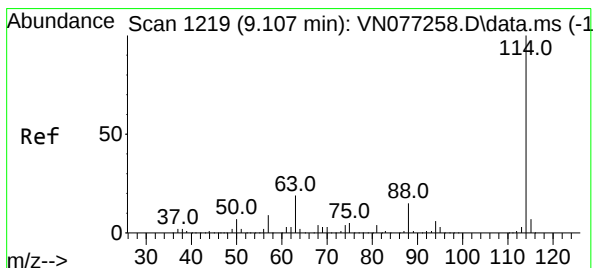
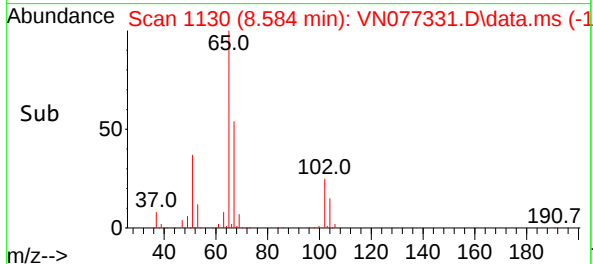
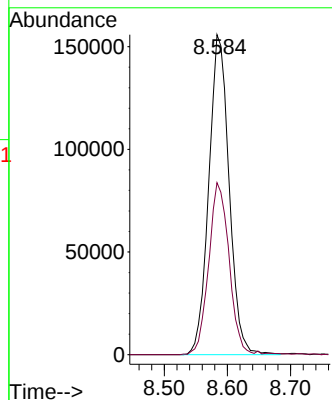
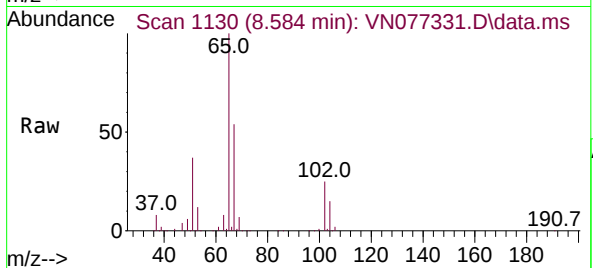
PB152070ZHE#03

Tgt Ion: 65 Resp: 348218

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN077331.D

Acq: 13 Apr 2023 16:14

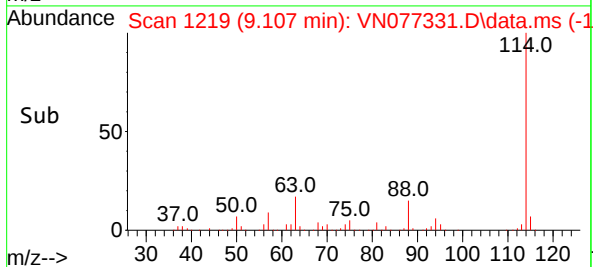
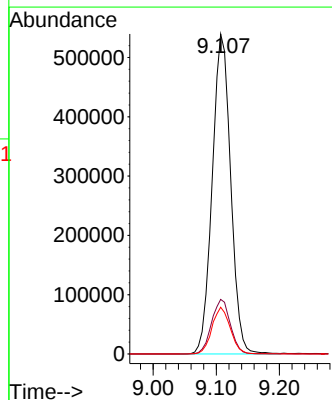
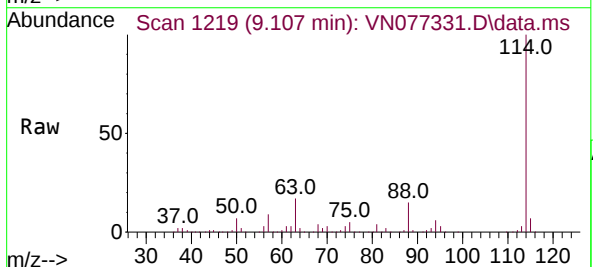
Tgt Ion: 114 Resp: 1096040

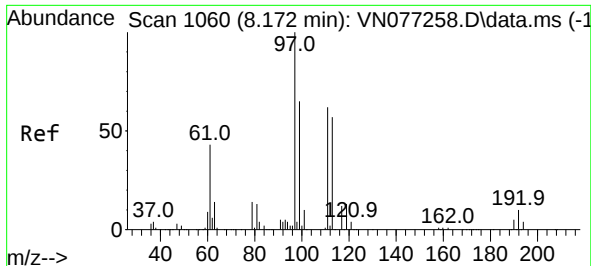
Ion Ratio Lower Upper

114 100

63 17.1 0.0 37.8

88 14.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 46.593 ug/l

RT: 8.178 min Scan# 1060

Delta R.T. 0.006 min

Lab File: VN077331.D

Acq: 13 Apr 2023 16:14

Instrument :

MSVOA\_N

ClientSampleId :

PB152070ZHE#03

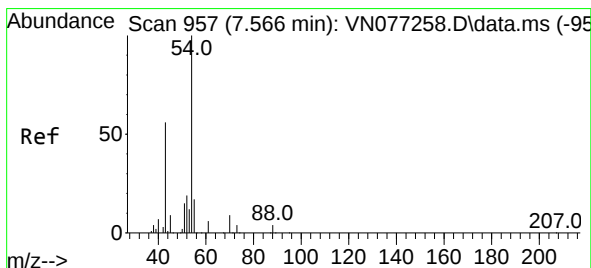
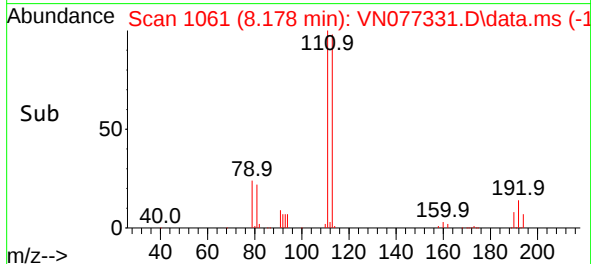
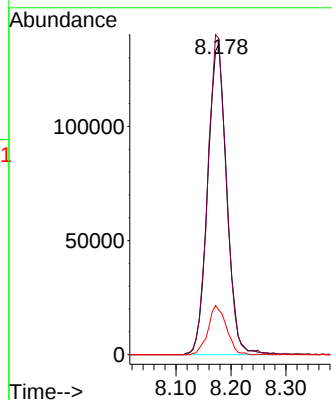
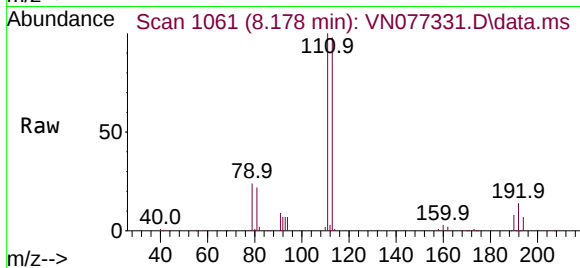
Tgt Ion:113 Resp: 326920

Ion Ratio Lower Upper

113 100

111 101.7 83.4 125.0

192 15.3 13.5 20.3



#37

Ethyl Acetate

Concen: 10.012 ug/l

RT: 7.572 min Scan# 958

Delta R.T. 0.006 min

Lab File: VN077331.D

Acq: 13 Apr 2023 16:14

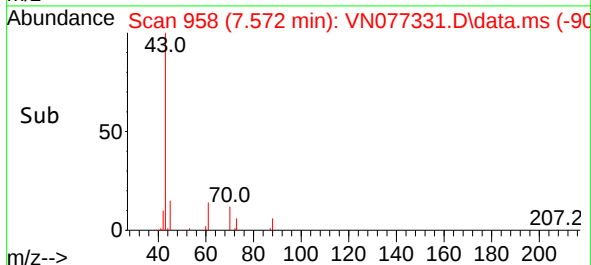
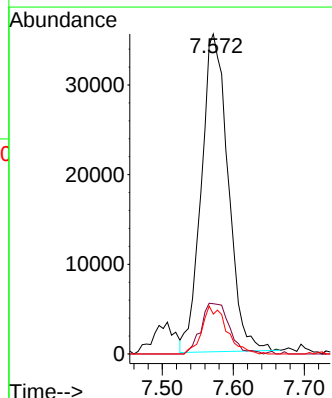
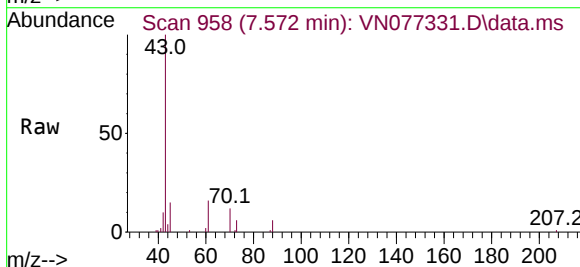
Tgt Ion: 43 Resp: 92959

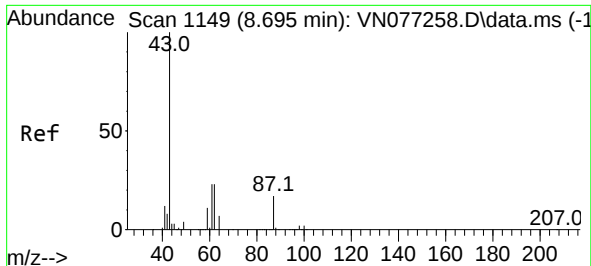
Ion Ratio Lower Upper

43 100

61 16.8 12.2 18.2

70 13.8 10.0 15.0

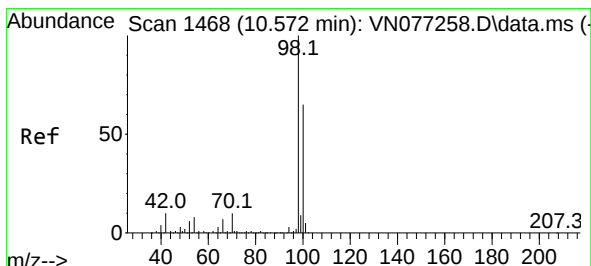
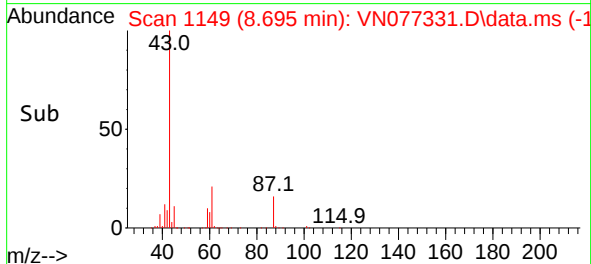
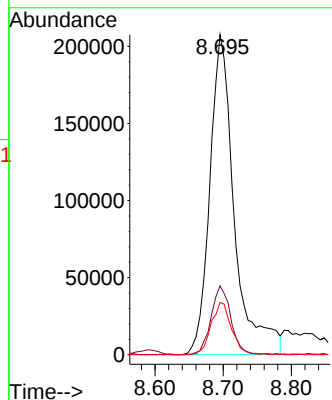
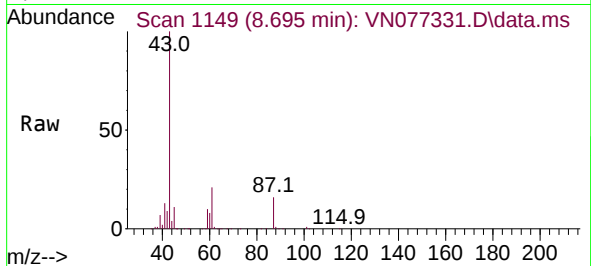




#43  
Isopropyl Acetate  
Concen: 30.406 ug/l  
RT: 8.695 min Scan# 1149  
Delta R.T. 0.000 min  
Lab File: VN077331.D  
Acq: 13 Apr 2023 16:14

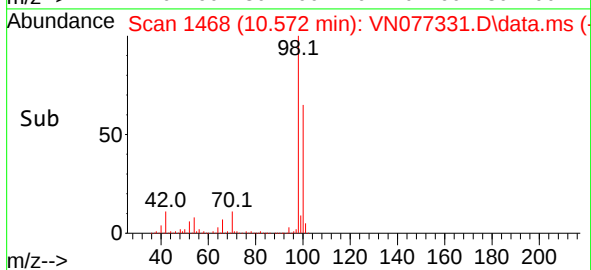
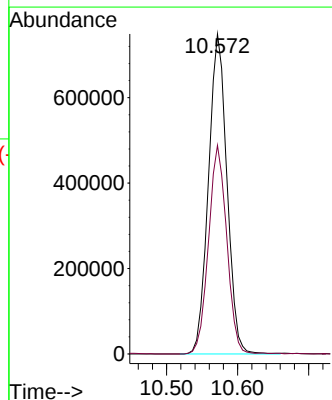
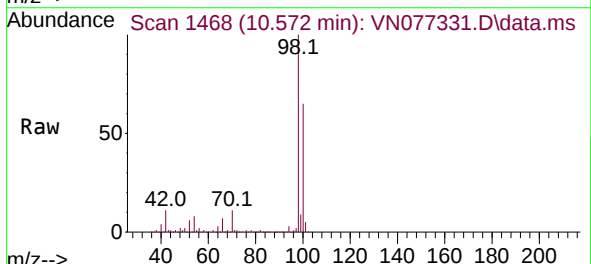
Instrument :  
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PB152070ZHE#03

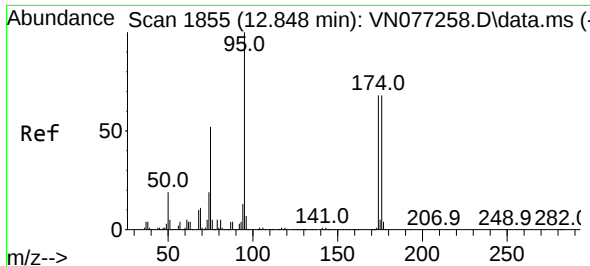
Tgt Ion: 43 Resp: 520929  
Ion Ratio Lower Upper  
43 100  
61 17.3 22.7 34.1#  
87 13.5 13.6 20.4#



#50  
Toluene-d8  
Concen: 47.915 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VN077331.D  
Acq: 13 Apr 2023 16:14

Tgt Ion: 98 Resp: 1353426  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.3 76.9

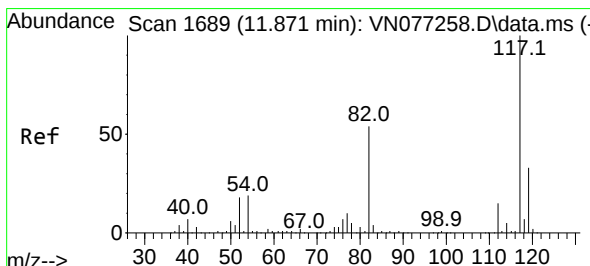
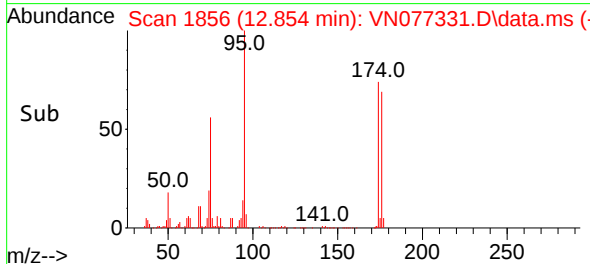
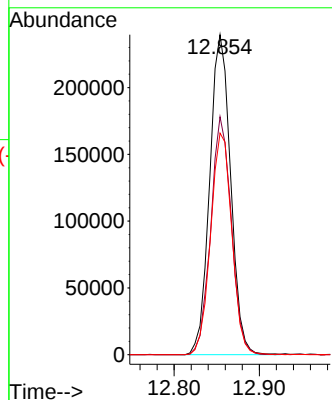
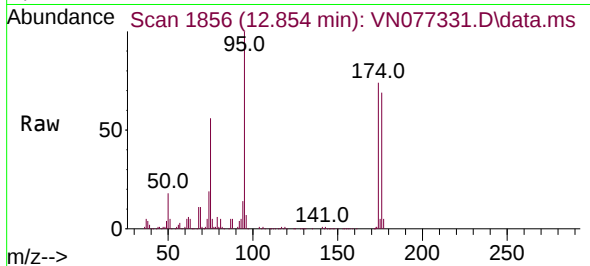




#62  
4-Bromofluorobenzene  
Concen: 43.455 ug/l  
RT: 12.854 min Scan# 1855  
Delta R.T. 0.006 min  
Lab File: VN077331.D  
Acq: 13 Apr 2023 16:14

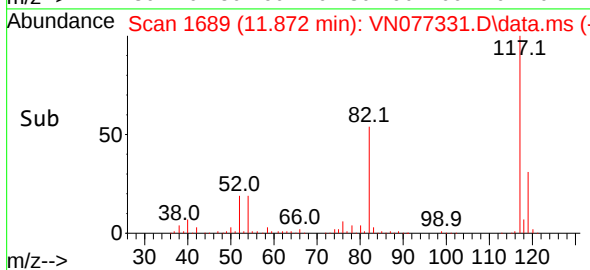
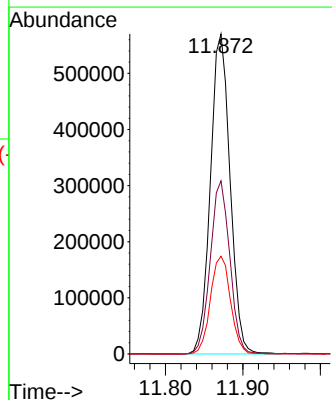
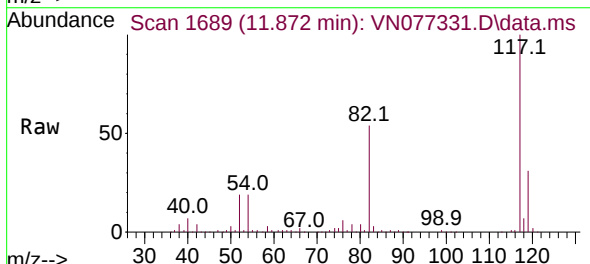
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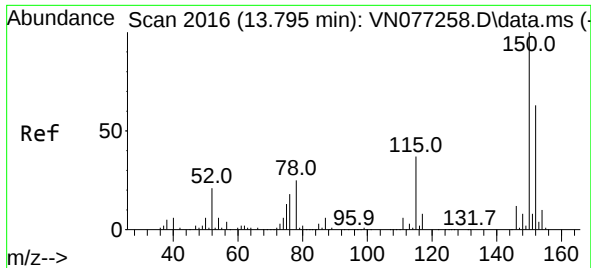
Tgt Ion: 95 Resp: 408230  
Ion Ratio Lower Upper  
95 100  
174 73.2 0.0 146.8  
176 70.2 0.0 139.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.872 min Scan# 1689  
Delta R.T. 0.001 min  
Lab File: VN077331.D  
Acq: 13 Apr 2023 16:14

Tgt Ion: 117 Resp: 1005684  
Ion Ratio Lower Upper  
117 100  
82 54.1 42.9 64.3  
119 30.6 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.801 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN077331.D

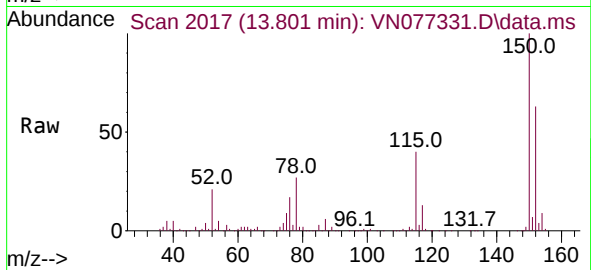
Acq: 13 Apr 2023 16:14

Instrument :

MSVOA\_N

ClientSampleId :

PB152070ZHE#03



Tgt Ion:152 Resp: 343838

Ion Ratio Lower Upper

152 100

115 63.6 32.1 96.3

150 156.9 0.0 354.8

