

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120522\  
 Data File : VN075570.D  
 Acq On : 05 Dec 2022 19:42  
 Operator : JC\MD  
 Sample : PB149407ZHE#03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB149407ZHE#03

Quant Time: Dec 06 03:26:51 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 Response via : Initial Calibration

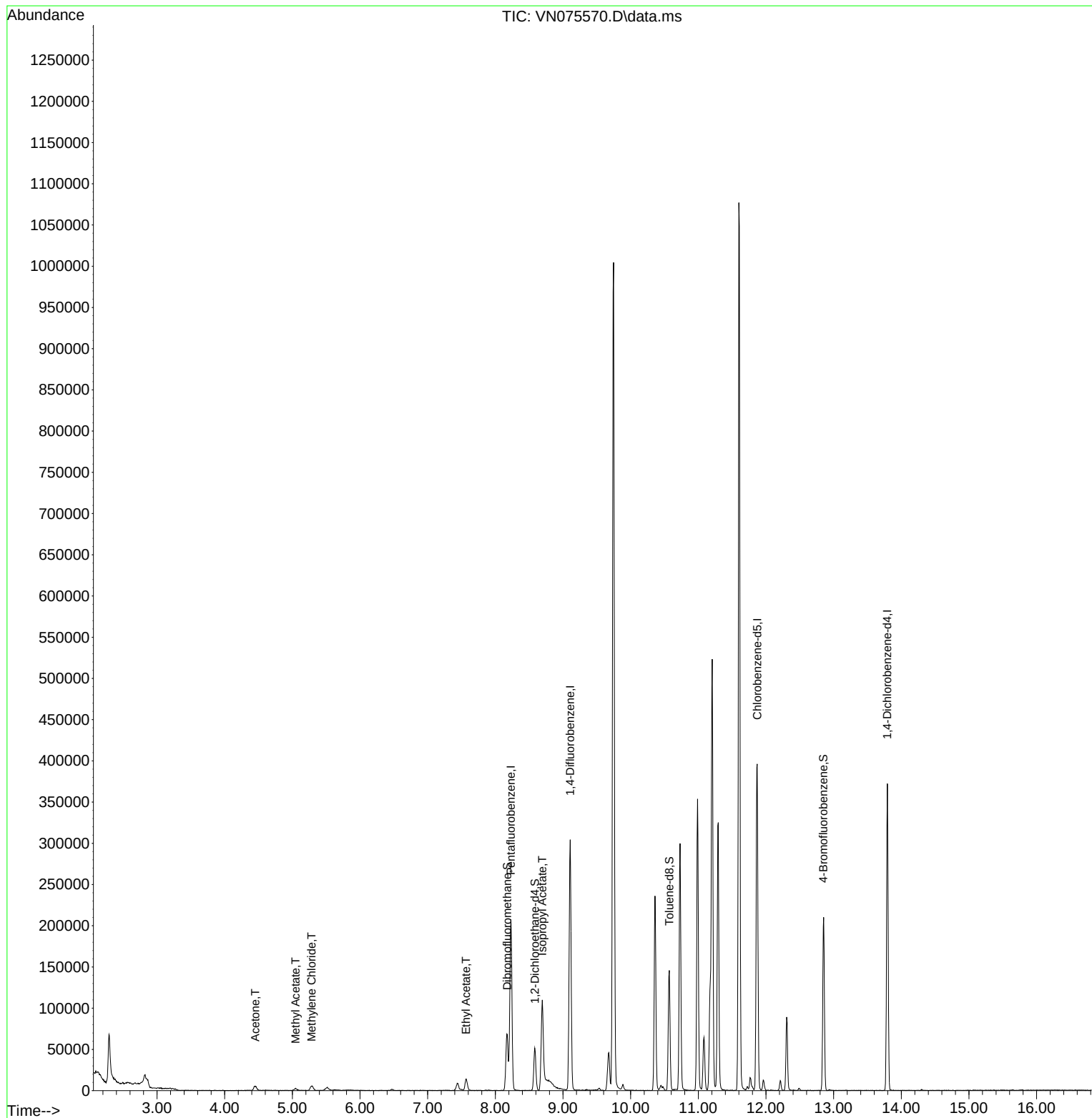
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 158560   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 279178   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 251506   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 100805   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 40488    | 47.570   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 95.140%  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 49838    | 45.443   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 90.880%  |
| 50) Toluene-d8              | 10.571 | 98    | 104055   | 42.126   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 84.260%# |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 70566    | 38.705   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 77.400%# |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.453  | 43    | 11354    | 14.302   | ug/l   | 93       |
| 18) Methyl Acetate          | 5.048  | 43    | 4830     | 1.148    | ug/l   | 99       |
| 20) Methylene Chloride      | 5.283  | 84    | 4914     | 1.820    | ug/l   | 89       |
| 37) Ethyl Acetate           | 7.565  | 43    | 20598    | 9.565    | ug/l   | 99       |
| 43) Isopropyl Acetate       | 8.694  | 43    | 131042   | 37.910   | ug/l # | 85       |
| -----                       |        |       |          |          |        |          |

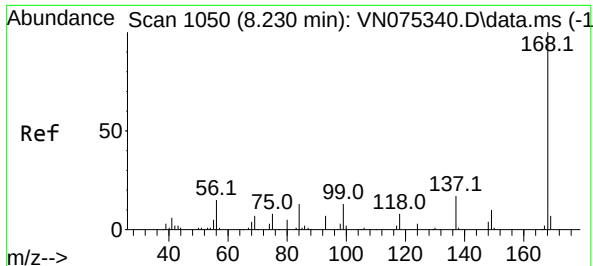
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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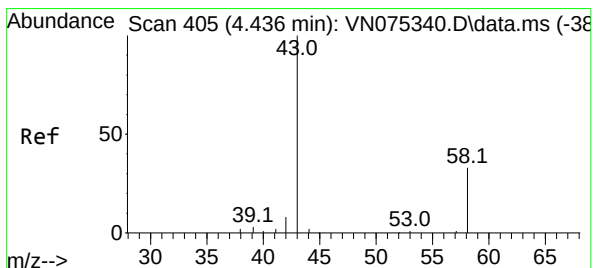
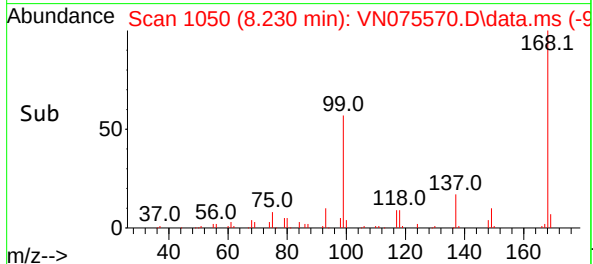
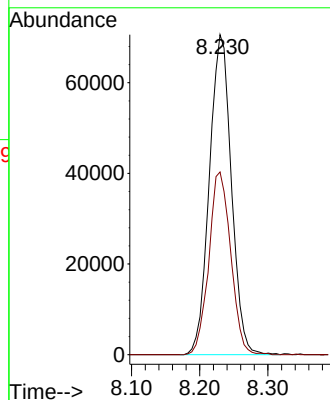
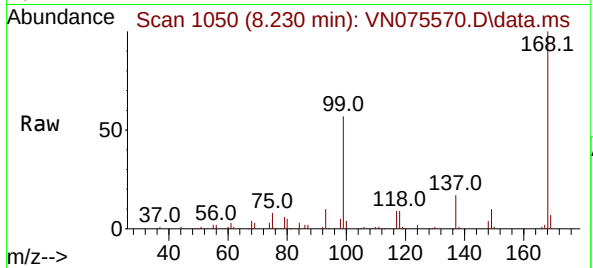




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075570.D  
Acq: 05 Dec 2022 19:42

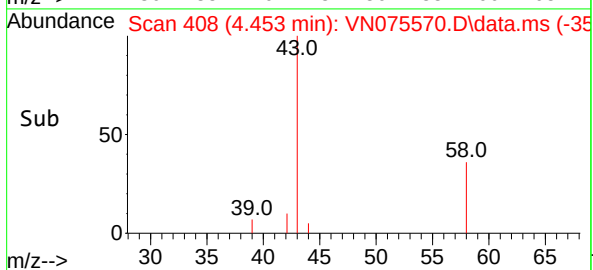
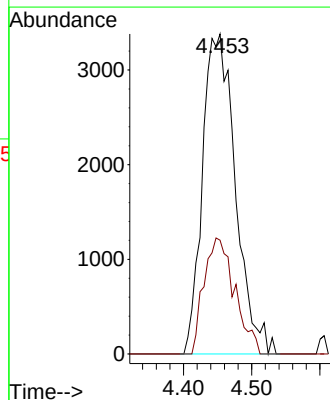
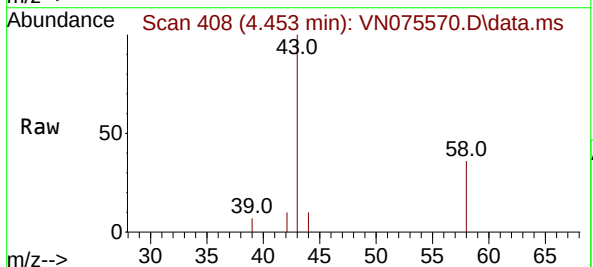
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149407ZHE#03

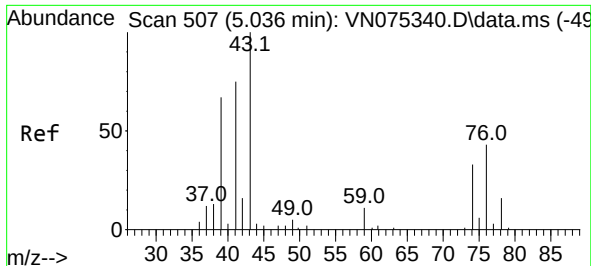
Tgt Ion:168 Resp: 158560  
Ion Ratio Lower Upper  
168 100  
99 57.1 51.6 77.4



#16  
Acetone  
Concen: 14.302 ug/l  
RT: 4.453 min Scan# 408  
Delta R.T. 0.017 min  
Lab File: VN075570.D  
Acq: 05 Dec 2022 19:42

Tgt Ion: 43 Resp: 11354  
Ion Ratio Lower Upper  
43 100  
58 35.6 25.5 38.3

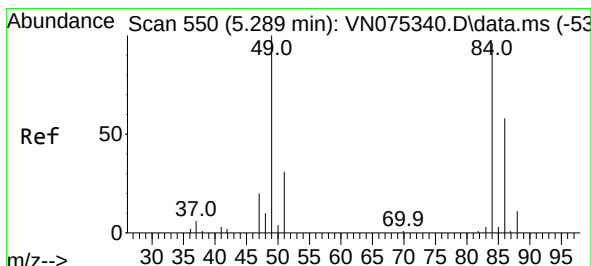
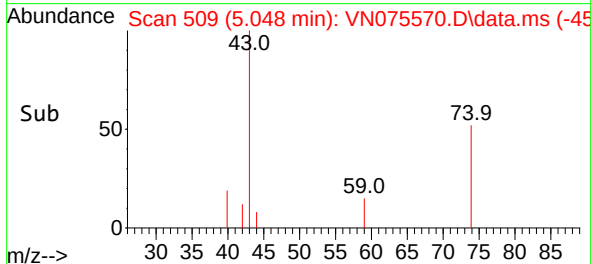
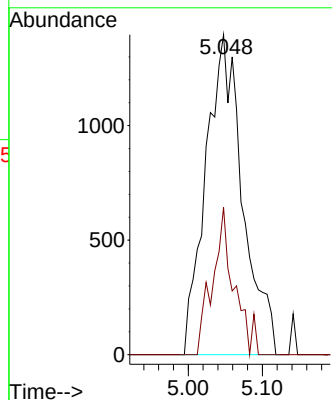
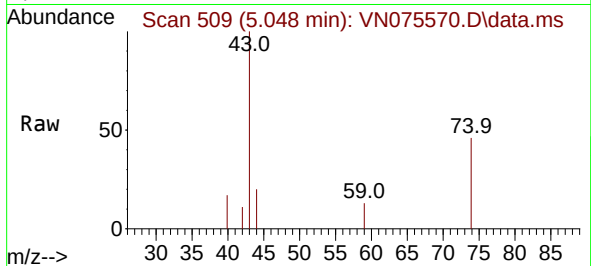




#18  
Methyl Acetate  
Concen: 1.148 ug/l  
RT: 5.048 min Scan# 509  
Delta R.T. 0.012 min  
Lab File: VN075570.D  
Acq: 05 Dec 2022 19:42

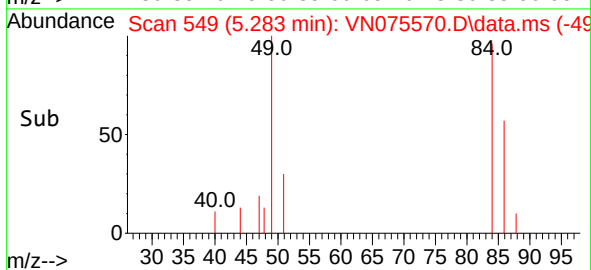
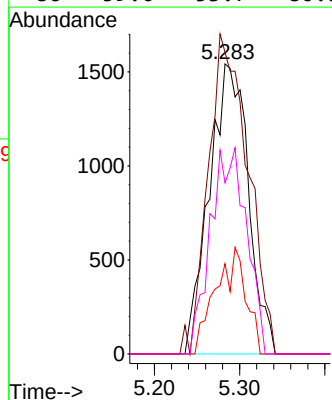
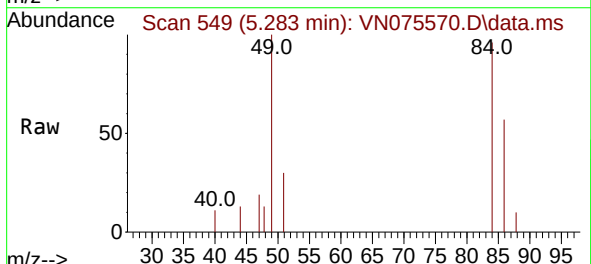
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB149407ZHE#03

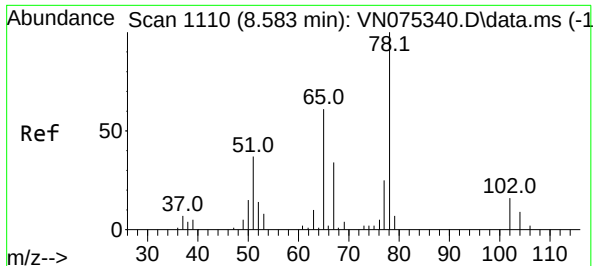
Tgt Ion: 43 Resp: 4830  
Ion Ratio Lower Upper  
43 100  
74 26.9 22.0 33.0



#20  
Methylene Chloride  
Concen: 1.820 ug/l  
RT: 5.283 min Scan# 549  
Delta R.T. -0.006 min  
Lab File: VN075570.D  
Acq: 05 Dec 2022 19:42

Tgt Ion: 84 Resp: 4914  
Ion Ratio Lower Upper  
84 100  
49 104.0 94.9 142.3  
51 31.1 26.8 40.2  
86 59.0 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 47.570 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075570.D

Acq: 05 Dec 2022 19:42

Instrument :

MSVOA\_N

ClientSampleId :

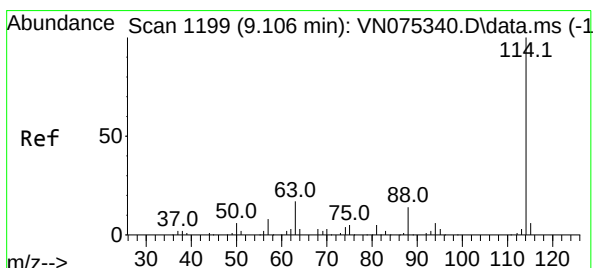
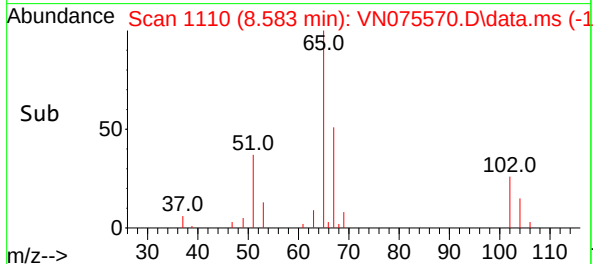
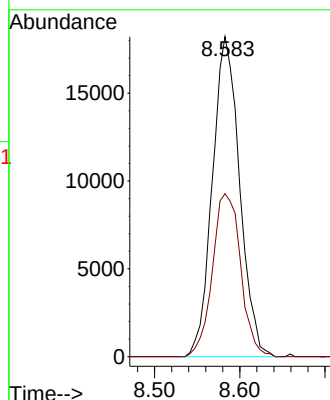
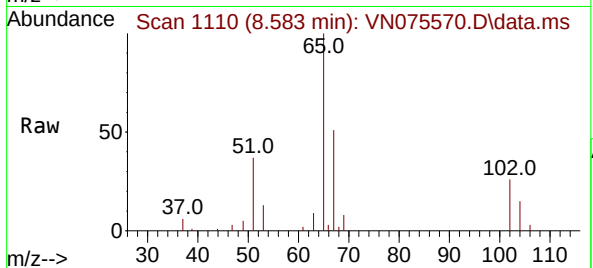
PB149407ZHE#03

Tgt Ion: 65 Resp: 40488

Ion Ratio Lower Upper

65 100

67 52.8 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075570.D

Acq: 05 Dec 2022 19:42

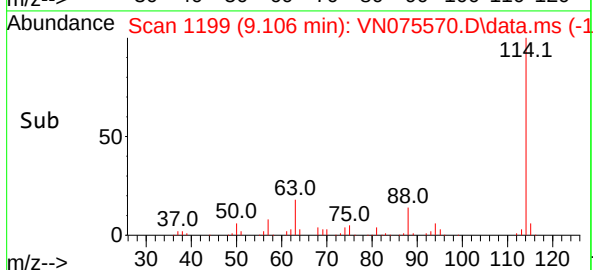
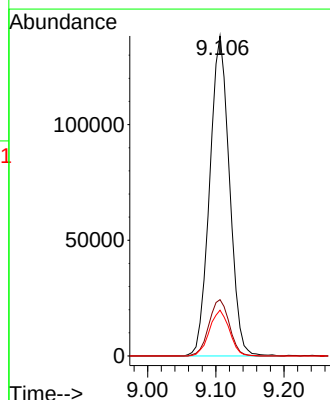
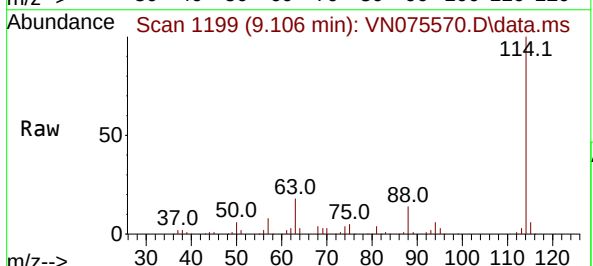
Tgt Ion: 114 Resp: 279178

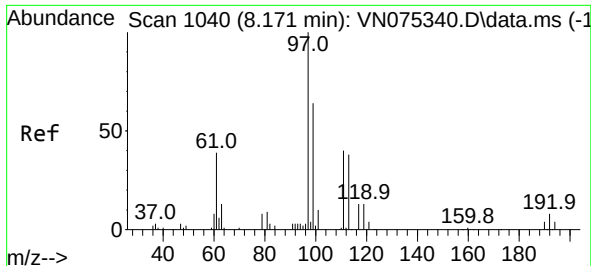
Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.6

88 14.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 45.443 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN075570.D

Acq: 05 Dec 2022 19:42

Instrument :

MSVOA\_N

ClientSampleId :

PB149407ZHE#03

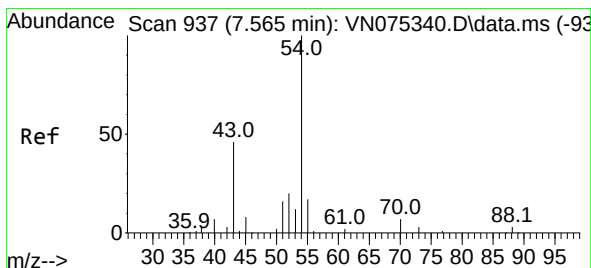
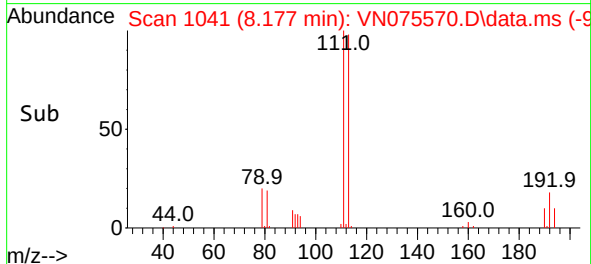
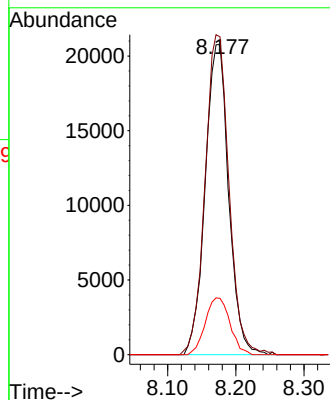
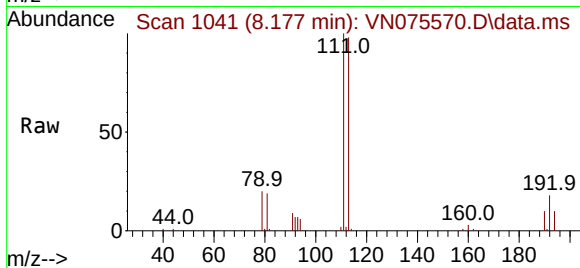
Tgt Ion:113 Resp: 49838

Ion Ratio Lower Upper

113 100

111 104.9 80.5 120.7

192 19.2 13.2 19.8



#37

Ethyl Acetate

Concen: 9.565 ug/l

RT: 7.565 min Scan# 937

Delta R.T. 0.000 min

Lab File: VN075570.D

Acq: 05 Dec 2022 19:42

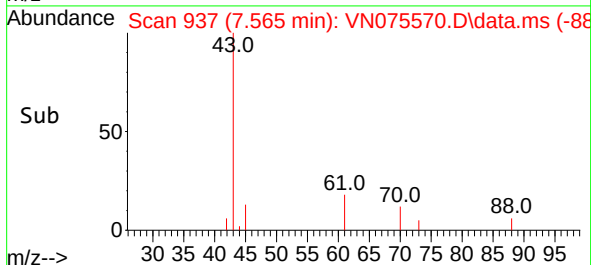
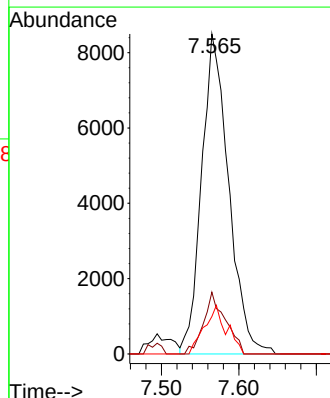
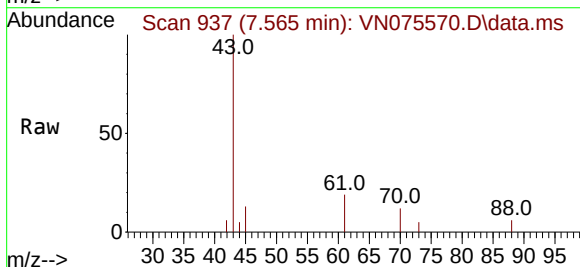
Tgt Ion: 43 Resp: 20598

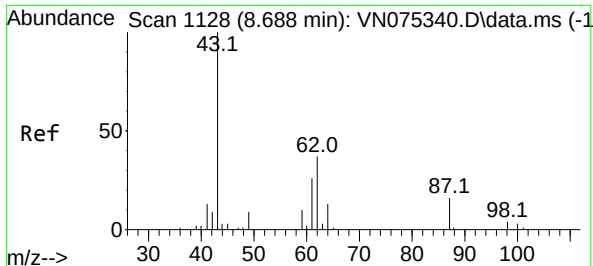
Ion Ratio Lower Upper

43 100

61 15.6 12.2 18.4

70 12.4 9.4 14.2





#43

Isopropyl Acetate

Concen: 37.910 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VN075570.D

Acq: 05 Dec 2022 19:42

Instrument :

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ClientSampleId :

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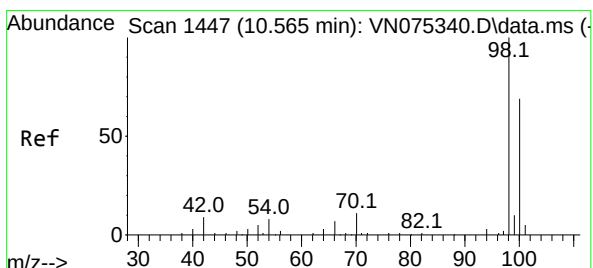
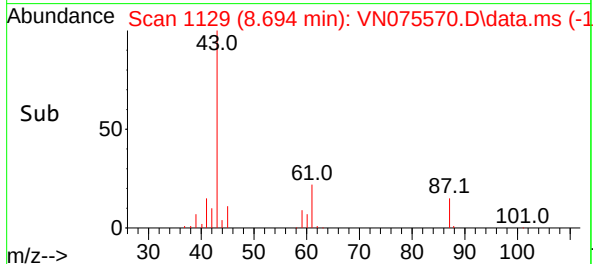
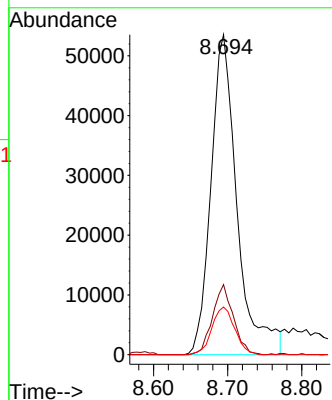
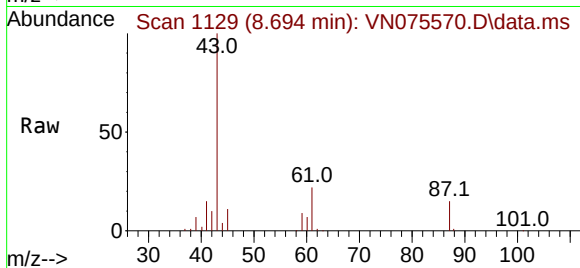
Tgt Ion: 43 Resp: 131042

Ion Ratio Lower Upper

43 100

61 17.5 22.4 33.6#

87 13.0 12.5 18.7



#50

Toluene-d8

Concen: 42.126 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075570.D

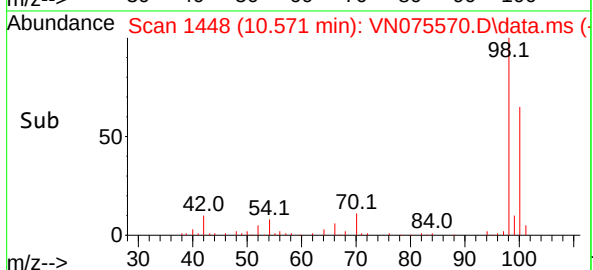
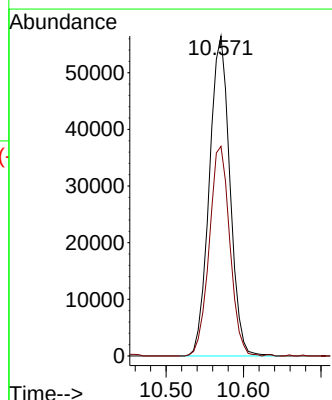
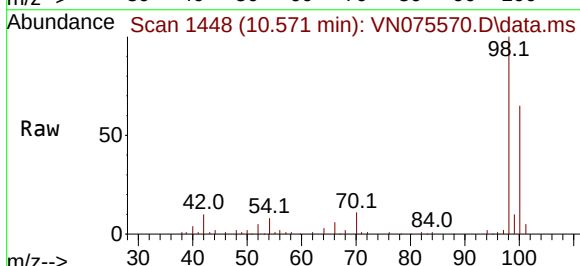
Acq: 05 Dec 2022 19:42

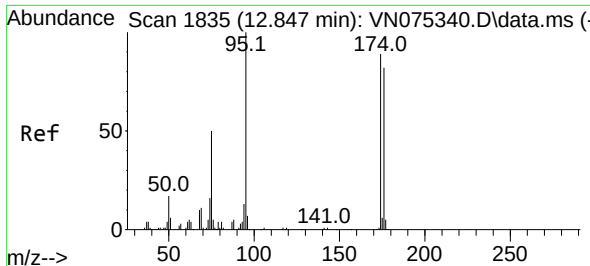
Tgt Ion: 98 Resp: 104055

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.6

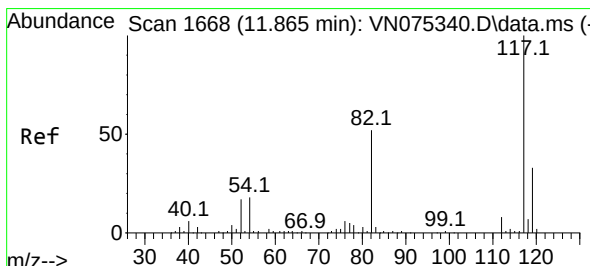
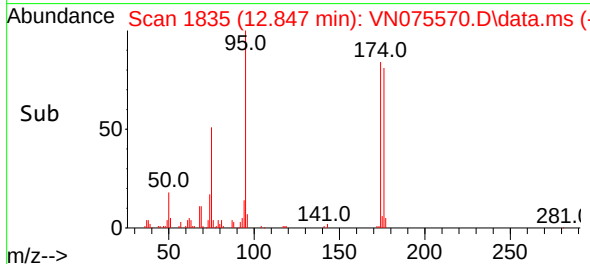
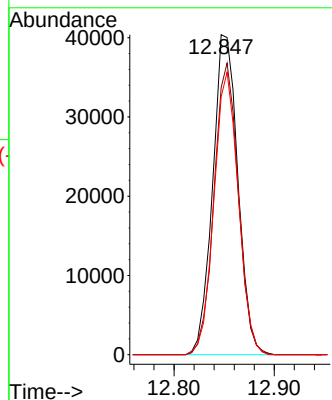
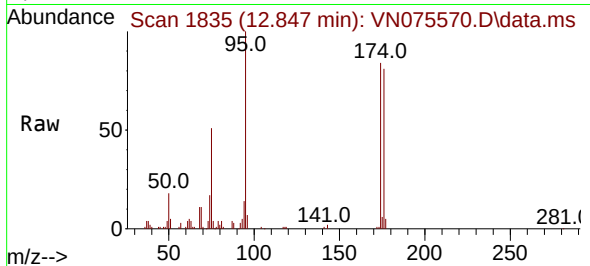




#62  
4-Bromofluorobenzene  
Concen: 38.705 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. 0.000 min  
Lab File: VN075570.D  
Acq: 05 Dec 2022 19:42

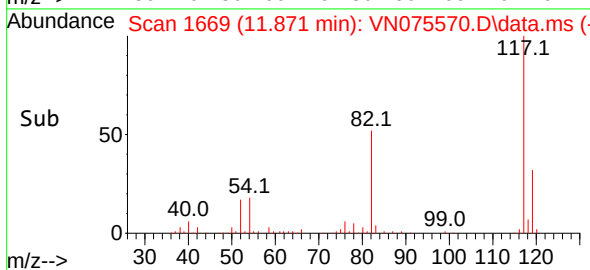
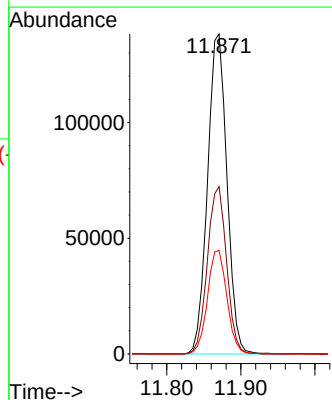
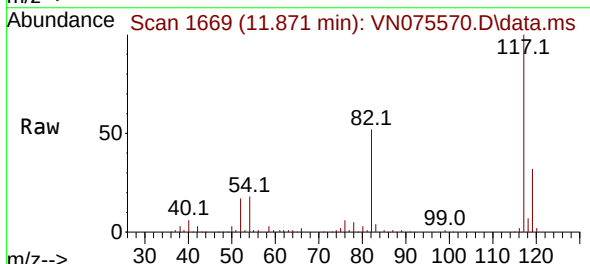
Instrument :  
MSVOA\_N  
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PB149407ZHE#03

Tgt Ion: 95 Resp: 70566  
Ion Ratio Lower Upper  
95 100  
174 87.4 0.0 147.4  
176 85.1 0.0 142.2

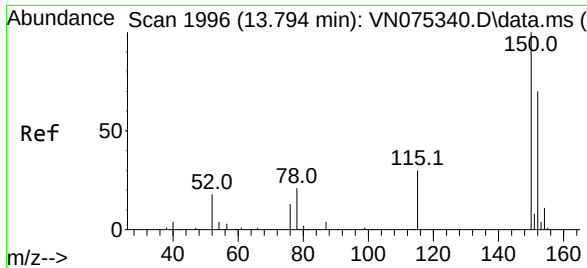


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN075570.D  
Acq: 05 Dec 2022 19:42

Tgt Ion: 117 Resp: 251506  
Ion Ratio Lower Upper  
117 100  
82 52.3 43.1 64.7  
119 32.4 25.5 38.3

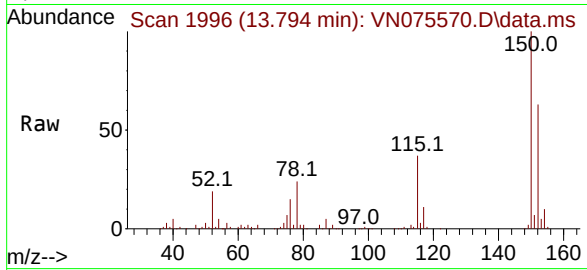






#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 1996  
 Delta R.T. 0.000 min  
 Lab File: VN075570.D  
 Acq: 05 Dec 2022 19:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB149407ZHE#03



Tgt Ion:152 Resp: 100805  
 Ion Ratio Lower Upper  
 152 100  
 115 59.4 30.2 90.6  
 150 162.2 0.0 348.4

