

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041323\  
 Data File : VN077332.D  
 Acq On : 13 Apr 2023 16:39  
 Operator : JC\MD  
 Sample : PB152070ZHE#04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB152070ZHE#04

Quant Time: Apr 14 07:25:04 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

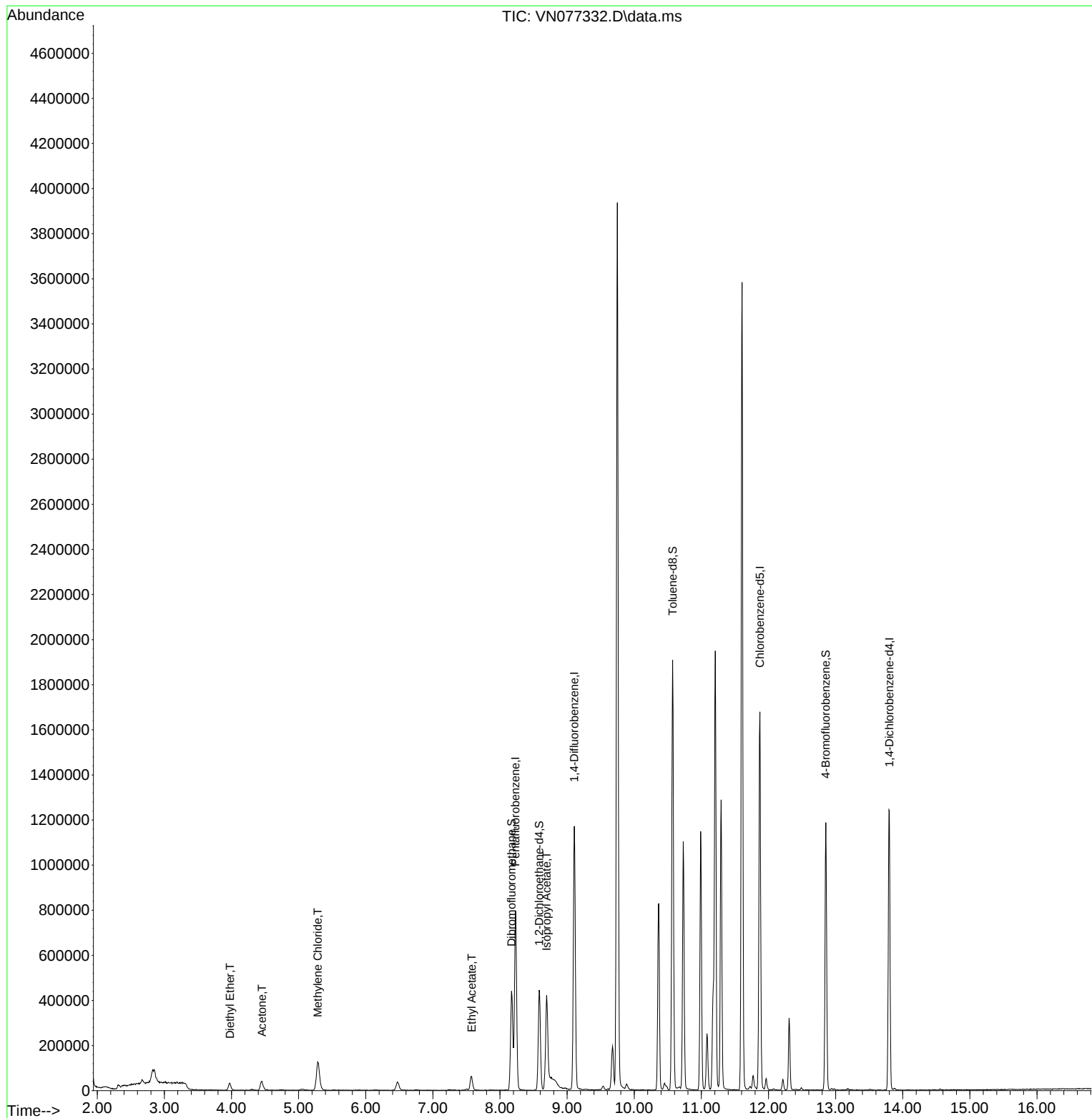
| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Pentafluorobenzene       | 8.231          | 168  | 567243     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.107          | 114  | 1072479    | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.872         | 117  | 1001712    | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.801         | 152  | 348174     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.584          | 65   | 344865     | 44.483  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 88.960% |        |          |
| 35) Dibromofluoromethane    | 8.172          | 113  | 323193     | 47.074  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 94.140% |        |          |
| 50) Toluene-d8              | 10.572         | 98   | 1338752    | 48.437  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 96.880% |        |          |
| 62) 4-Bromofluorobenzene    | 12.854         | 95   | 409985     | 44.601  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 89.200% |        |          |
| Target Compounds            |                |      |            |         |        |          |
|                             |                |      |            |         | Qvalue |          |
| 8) Diethyl Ether            | 3.978          | 74   | 21510      | 4.866   | ug/l   | 97       |
| 16) Acetone                 | 4.454          | 43   | 70136      | 24.536  | ug/l   | 97       |
| 20) Methylene Chloride      | 5.284          | 84   | 112573     | 13.945  | ug/l   | 97       |
| 37) Ethyl Acetate           | 7.578          | 43   | 93408      | 10.281  | ug/l   | 99       |
| 43) Isopropyl Acetate       | 8.695          | 43   | 486957     | 29.047  | ug/l # | 86       |
| -----                       |                |      |            |         |        |          |

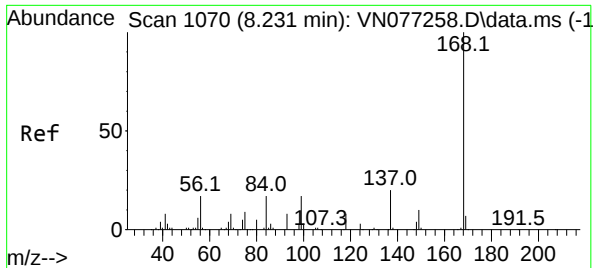
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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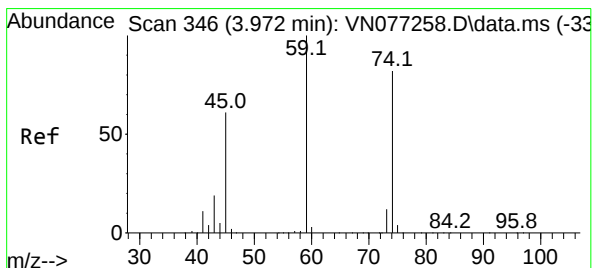
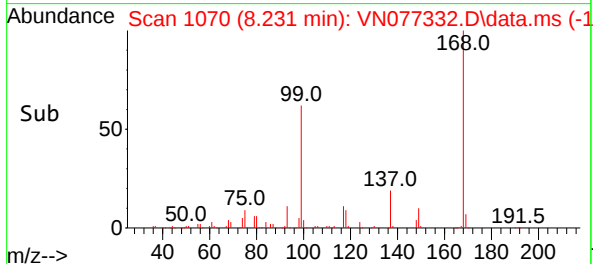
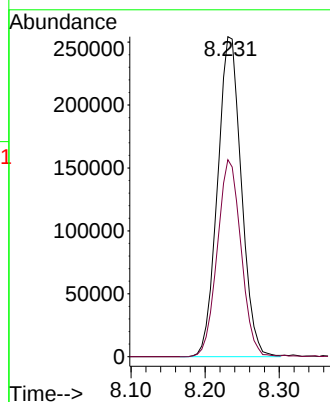
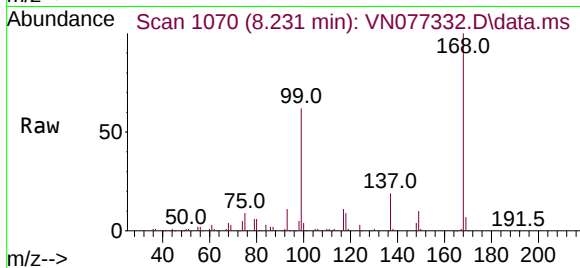




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.231 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: VN077332.D  
Acq: 13 Apr 2023 16:39

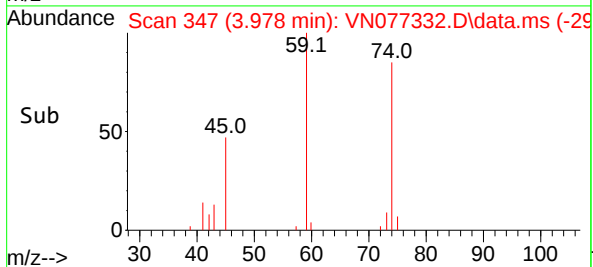
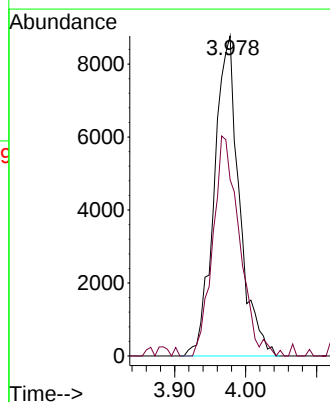
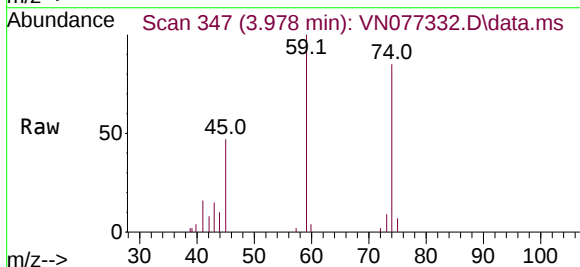
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB152070ZHE#04

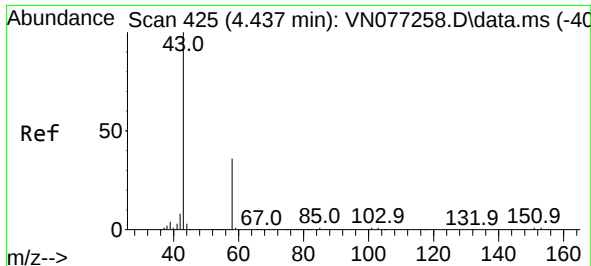
Tgt Ion:168 Resp: 567243  
Ion Ratio Lower Upper  
168 100  
99 61.6 50.6 75.8



#8  
Diethyl Ether  
Concen: 4.866 ug/l  
RT: 3.978 min Scan# 347  
Delta R.T. 0.006 min  
Lab File: VN077332.D  
Acq: 13 Apr 2023 16:39

Tgt Ion: 74 Resp: 21510  
Ion Ratio Lower Upper  
74 100  
45 72.9 37.8 113.4





#16

Acetone

Concen: 24.536 ug/l

RT: 4.454 min Scan# 41

Delta R.T. 0.017 min

Lab File: VN077332.D

Acq: 13 Apr 2023 16:39

Instrument :

MSVOA\_N

ClientSampleId :

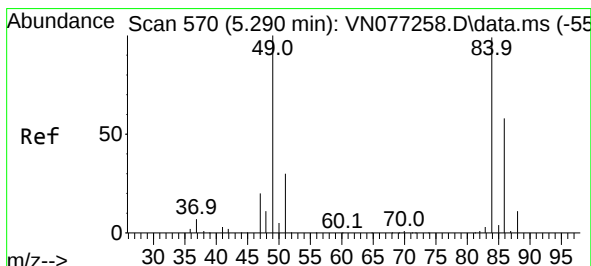
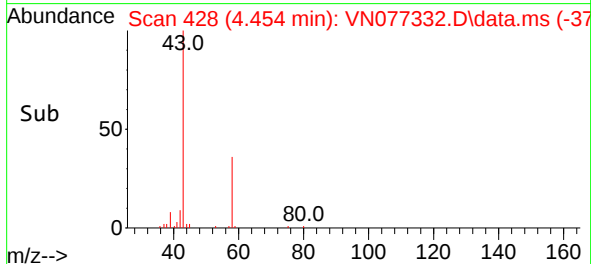
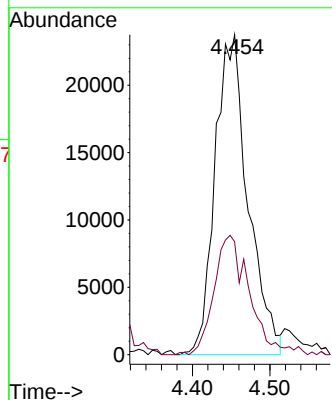
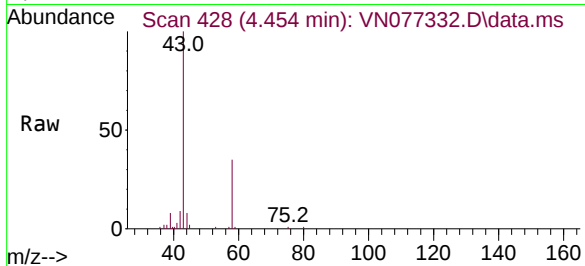
PB152070ZHE#04

Tgt Ion: 43 Resp: 70136

Ion Ratio Lower Upper

43 100

58 34.6 29.0 43.6



#20

Methylene Chloride

Concen: 13.945 ug/l

RT: 5.284 min Scan# 569

Delta R.T. -0.006 min

Lab File: VN077332.D

Acq: 13 Apr 2023 16:39

Tgt Ion: 84 Resp: 112573

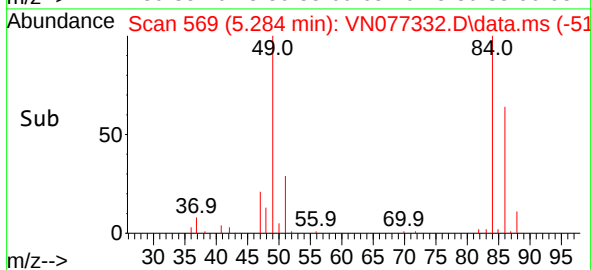
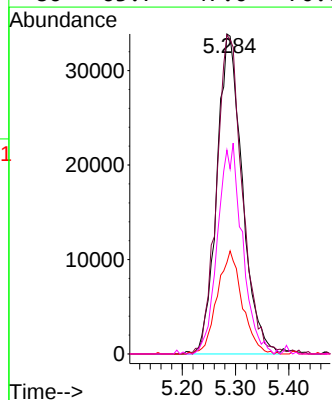
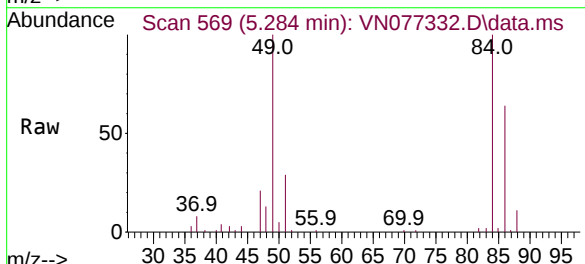
Ion Ratio Lower Upper

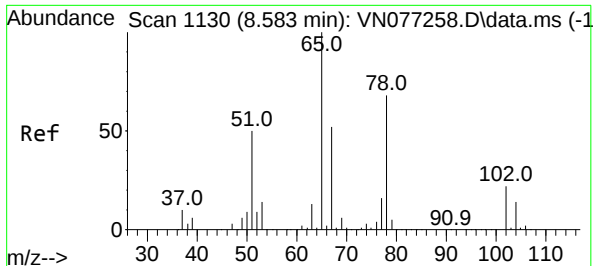
84 100

49 99.7 80.6 121.0

51 28.6 24.4 36.6

86 63.7 47.0 70.6

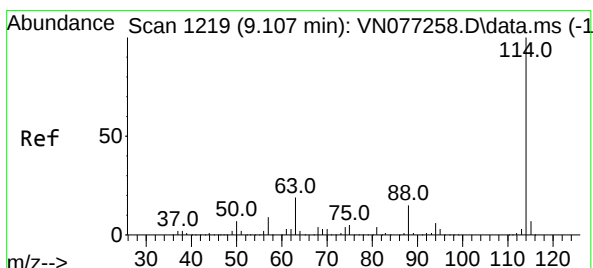
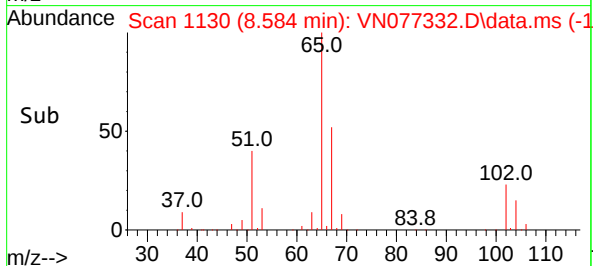
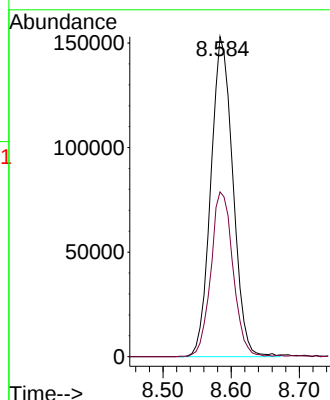
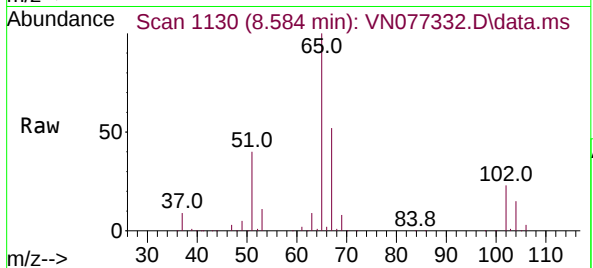




#33  
 1,2-Dichloroethane-d4  
 Concen: 44.483 ug/l  
 RT: 8.584 min Scan# 1130  
 Delta R.T. 0.001 min  
 Lab File: VN077332.D  
 Acq: 13 Apr 2023 16:39

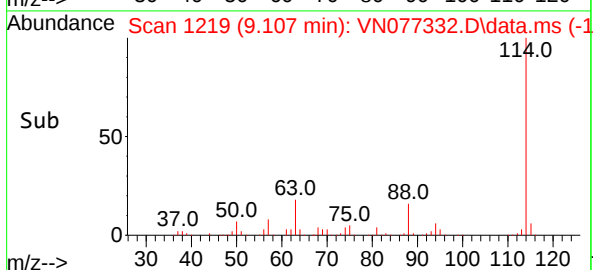
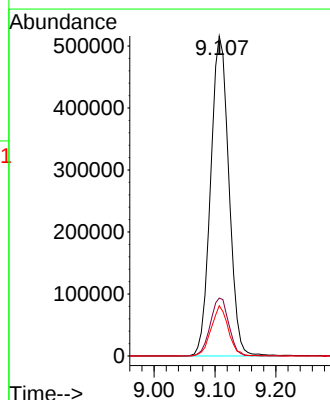
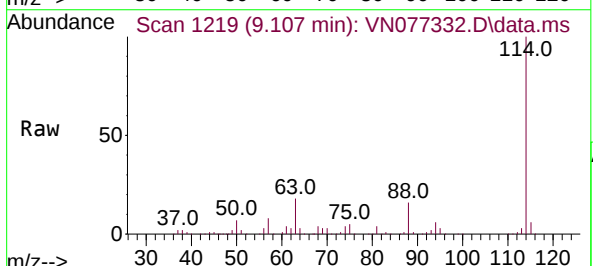
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 ClientSampleId :  
 PB152070ZHE#04

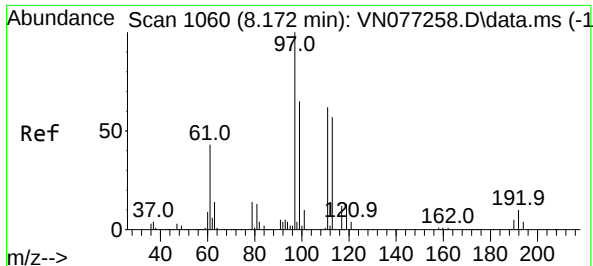
Tgt Ion: 65 Resp: 344865  
 Ion Ratio Lower Upper  
 65 100  
 67 51.7 0.0 108.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.107 min Scan# 1219  
 Delta R.T. 0.000 min  
 Lab File: VN077332.D  
 Acq: 13 Apr 2023 16:39

Tgt Ion: 114 Resp: 1072479  
 Ion Ratio Lower Upper  
 114 100  
 63 18.1 0.0 37.8  
 88 15.7 0.0 29.4

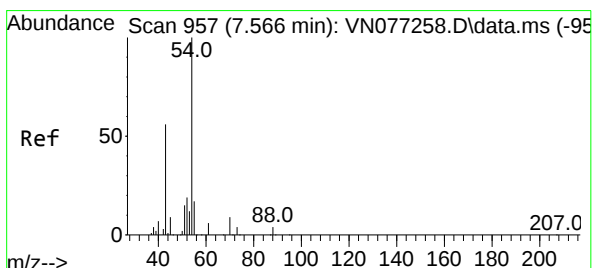
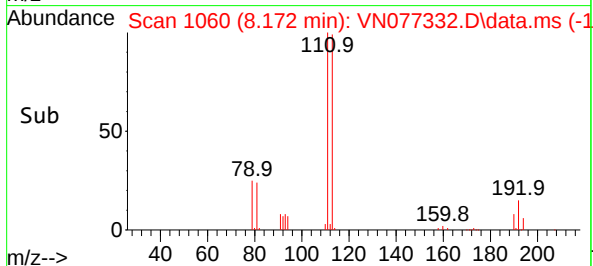
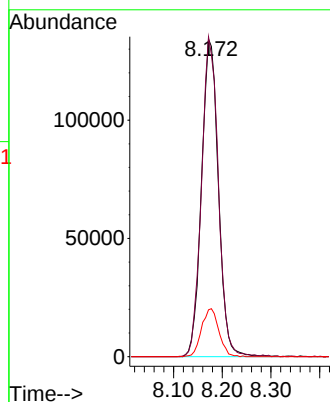
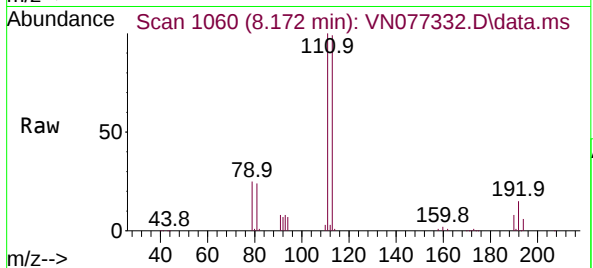




#35  
Dibromofluoromethane  
Concen: 47.074 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: VN077332.D  
Acq: 13 Apr 2023 16:39

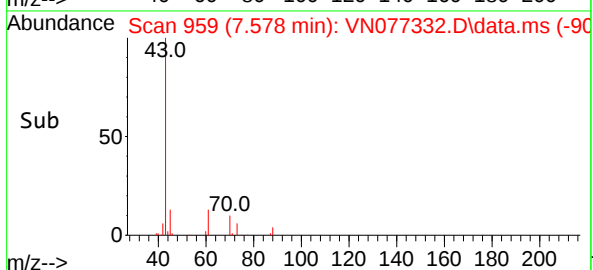
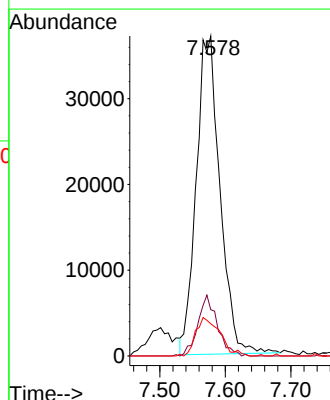
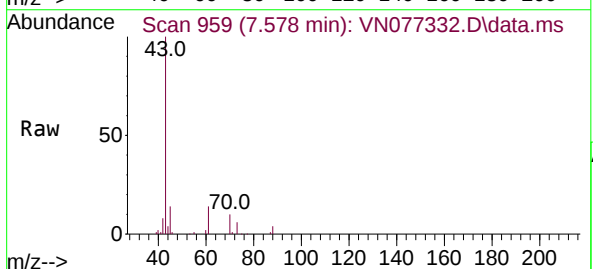
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ClientSampleId :  
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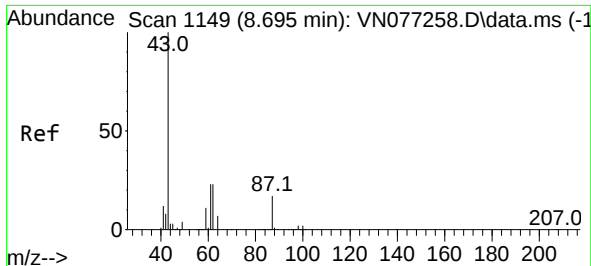
Tgt Ion:113 Resp: 323193  
Ion Ratio Lower Upper  
113 100  
111 100.6 83.4 125.0  
192 15.6 13.5 20.3



#37  
Ethyl Acetate  
Concen: 10.281 ug/l  
RT: 7.578 min Scan# 959  
Delta R.T. 0.012 min  
Lab File: VN077332.D  
Acq: 13 Apr 2023 16:39

Tgt Ion: 43 Resp: 93408  
Ion Ratio Lower Upper  
43 100  
61 15.7 12.2 18.2  
70 12.4 10.0 15.0

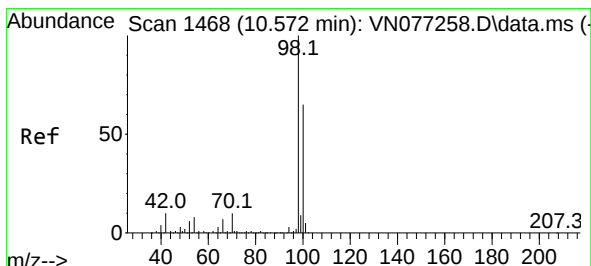
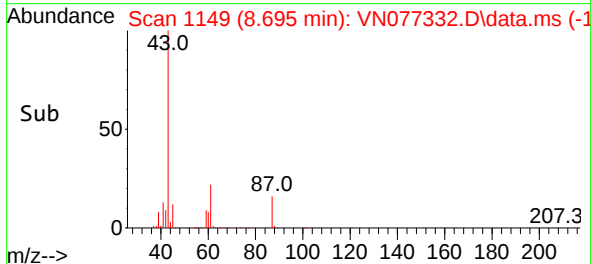
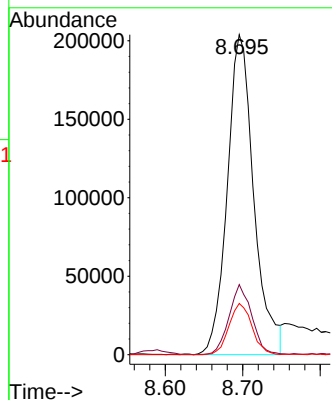
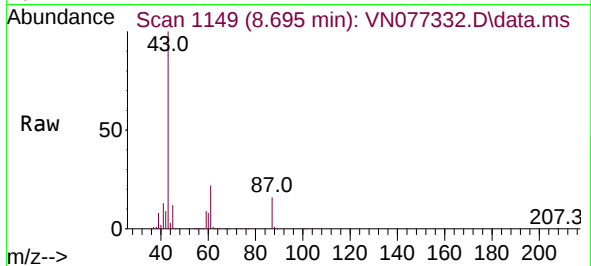




#43  
Isopropyl Acetate  
Concen: 29.047 ug/l  
RT: 8.695 min Scan# 1149  
Delta R.T. 0.000 min  
Lab File: VN077332.D  
Acq: 13 Apr 2023 16:39

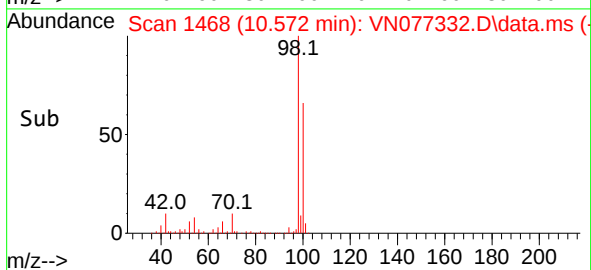
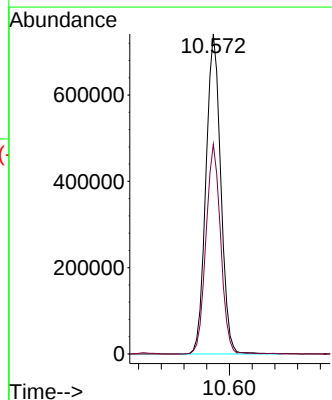
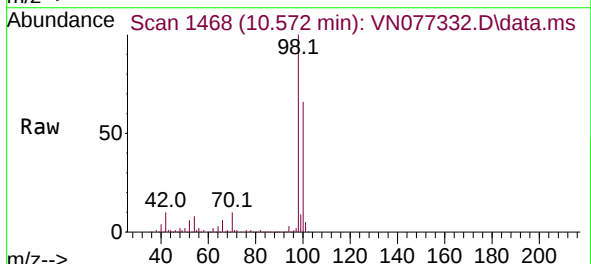
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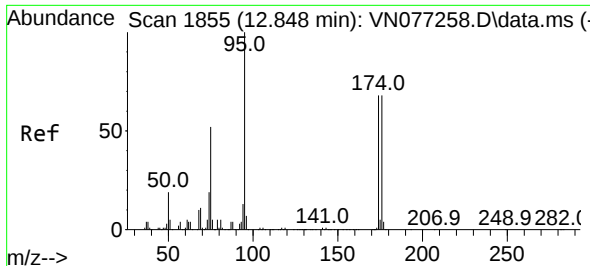
Tgt Ion: 43 Resp: 486957  
Ion Ratio Lower Upper  
43 100  
61 18.8 22.7 34.1#  
87 13.8 13.6 20.4



#50  
Toluene-d8  
Concen: 48.437 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VN077332.D  
Acq: 13 Apr 2023 16:39

Tgt Ion: 98 Resp: 1338752  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.3 76.9

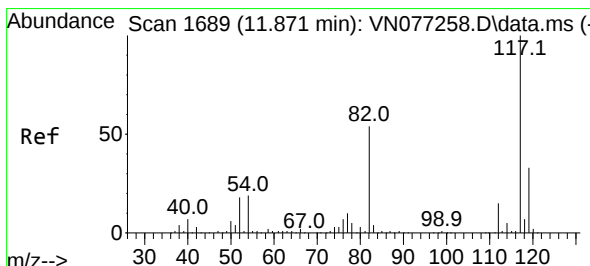
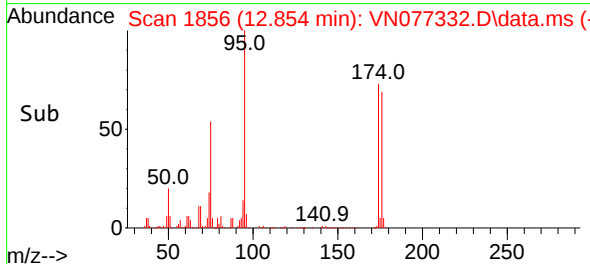
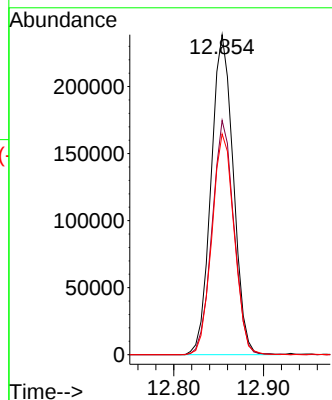
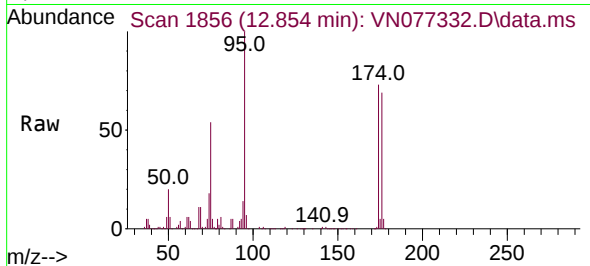




#62  
4-Bromofluorobenzene  
Concen: 44.601 ug/l  
RT: 12.854 min Scan# 1855  
Delta R.T. 0.006 min  
Lab File: VN077332.D  
Acq: 13 Apr 2023 16:39

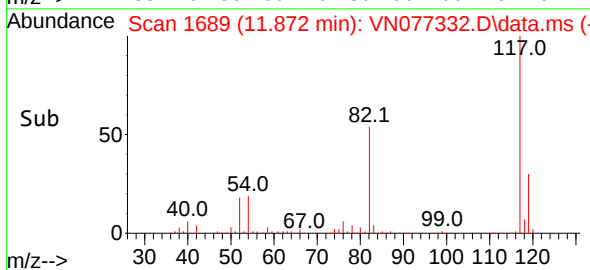
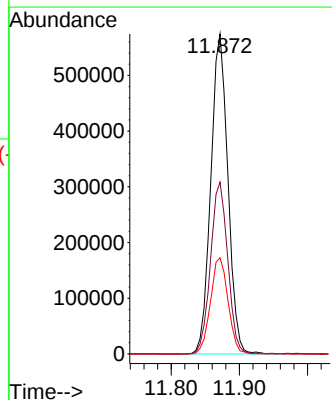
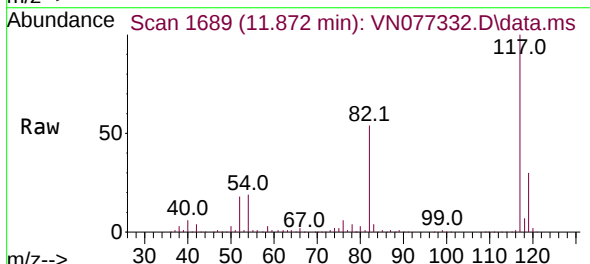
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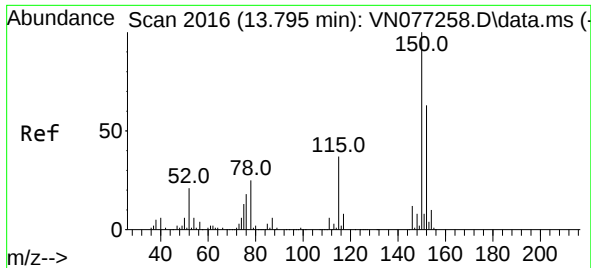
Tgt Ion: 95 Resp: 409985  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 146.8  
176 69.2 0.0 139.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.872 min Scan# 1689  
Delta R.T. 0.001 min  
Lab File: VN077332.D  
Acq: 13 Apr 2023 16:39

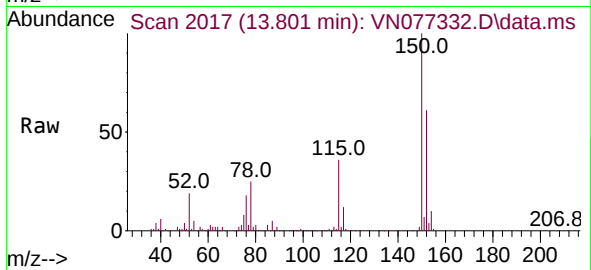
Tgt Ion: 117 Resp: 1001712  
Ion Ratio Lower Upper  
117 100  
82 53.7 42.9 64.3  
119 30.1 26.2 39.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.801 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VN077332.D  
 Acq: 13 Apr 2023 16:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB152070ZHE#04



Tgt Ion:152 Resp: 348174  
 Ion Ratio Lower Upper  
 152 100  
 115 60.4 32.1 96.3  
 150 155.2 0.0 354.8

