

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032522\  
 Data File : VN071543.D  
 Acq On : 25 Mar 2022 13:28  
 Operator : JC\MD  
 Sample : PB143557ZHE#02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB143557ZHE#02

Quant Time: Mar 26 04:00:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032522W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 25 09:52:40 2022  
 Response via : Initial Calibration

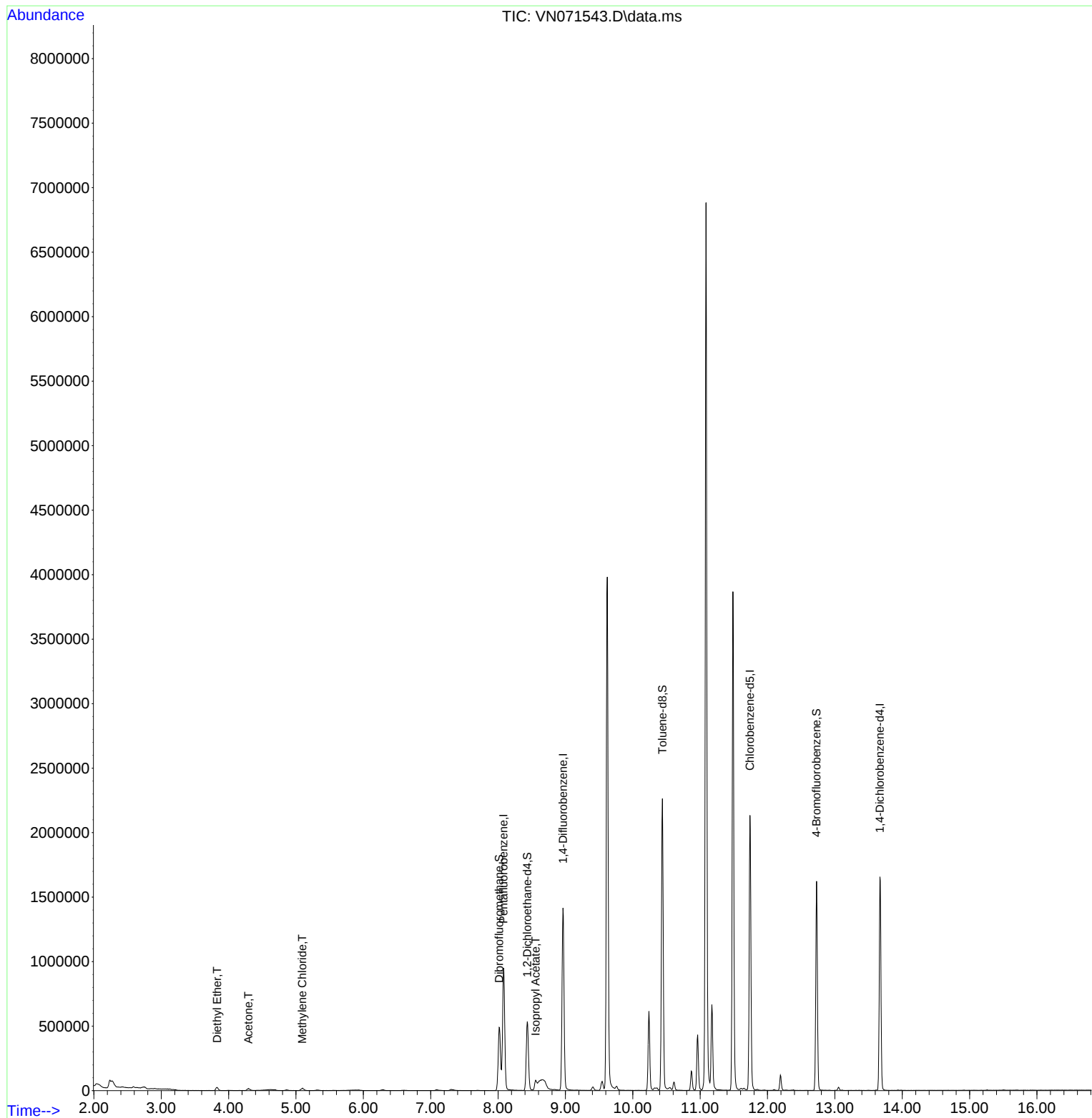
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.080  | 168   | 764792   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.963  | 114   | 1308564  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.739 | 117   | 1293150  | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.668 | 152   | 485327   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.433  | 65    | 448579   | 47.210   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =      | 94.420%  |
| 35) Dibromofluoromethane    | 8.016  | 113   | 369774   | 44.963   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =      | 89.920%  |
| 50) Toluene-d8              | 10.439 | 98    | 1631502  | 49.184   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =      | 98.360%  |
| 62) 4-Bromofluorobenzene    | 12.727 | 95    | 555746   | 51.131   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =      | 102.260% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 8) Diethyl Ether            | 3.828  | 74    | 14979    | 2.893    | ug/l   | 95       |
| 16) Acetone                 | 4.292  | 43    | 26664    | 6.846    | ug/l   | 98       |
| 20) Methylene Chloride      | 5.092  | 84    | 14482    | 1.596    | ug/l   | 97       |
| 43) Isopropyl Acetate       | 8.557  | 43    | 89296    | 3.947    | ug/l # | 84       |
| -----                       |        |       |          |          |        |          |

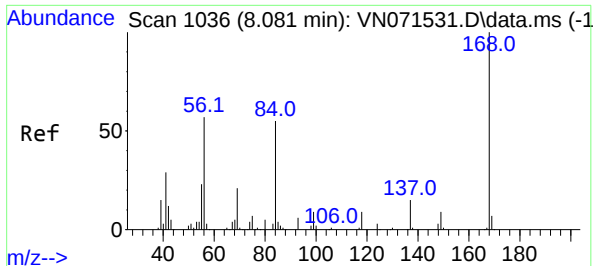
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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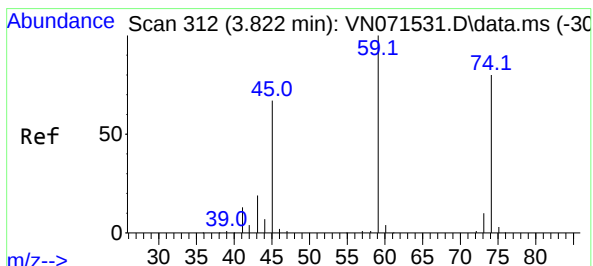
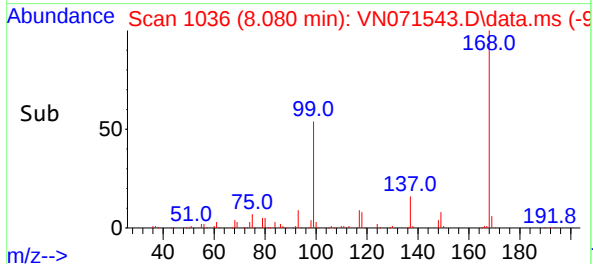
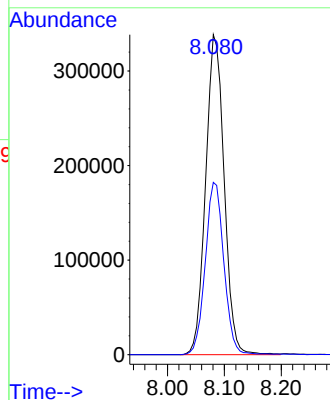
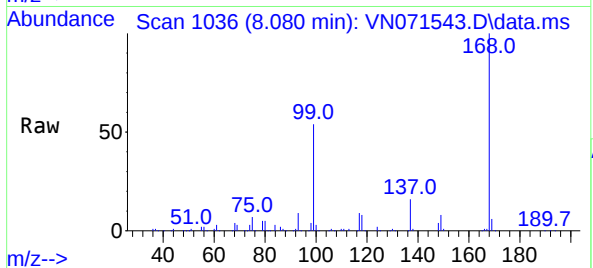




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.080 min Scan# 1036  
Delta R.T. -0.001 min  
Lab File: VN071543.D  
Acq: 25 Mar 2022 13:28

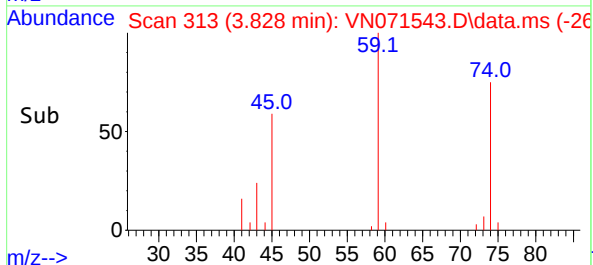
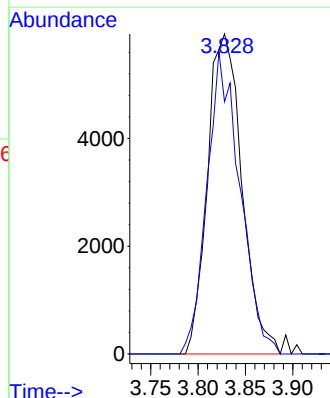
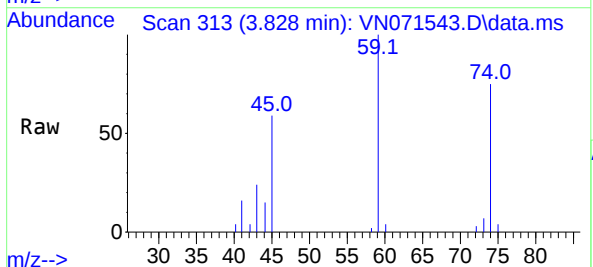
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB143557ZHE#02

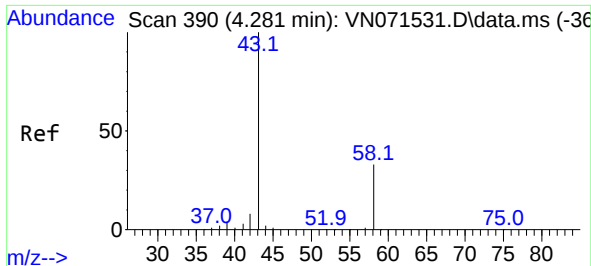
Tgt Ion:168 Resp: 764792  
Ion Ratio Lower Upper  
168 100  
99 53.9 42.3 63.5



#8  
Diethyl Ether  
Concen: 2.893 ug/l  
RT: 3.828 min Scan# 313  
Delta R.T. 0.006 min  
Lab File: VN071543.D  
Acq: 25 Mar 2022 13:28

Tgt Ion: 74 Resp: 14979  
Ion Ratio Lower Upper  
74 100  
45 90.6 42.9 128.5

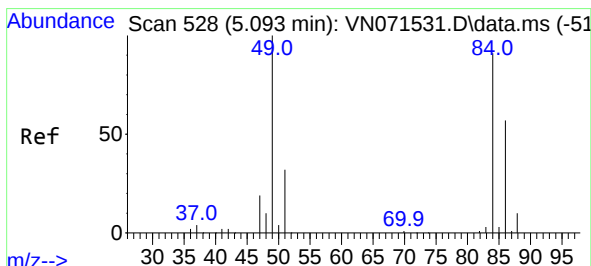
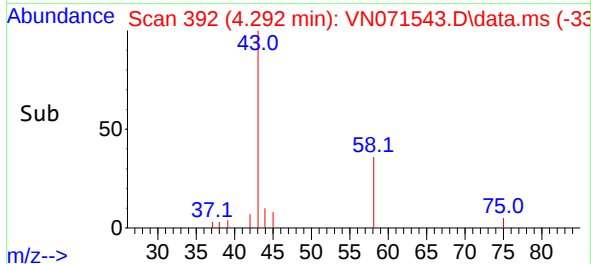
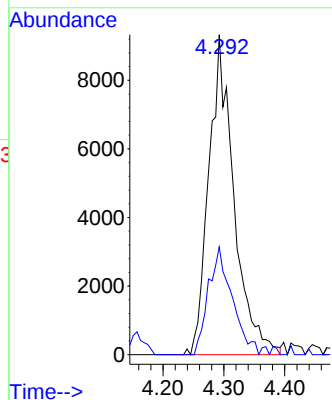
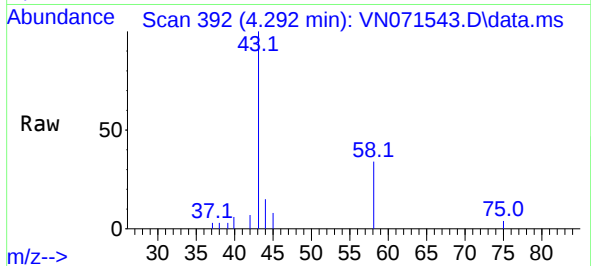




#16  
Acetone  
Concen: 6.846 ug/l  
RT: 4.292 min Scan# 390  
Delta R.T. 0.011 min  
Lab File: VN071543.D  
Acq: 25 Mar 2022 13:28

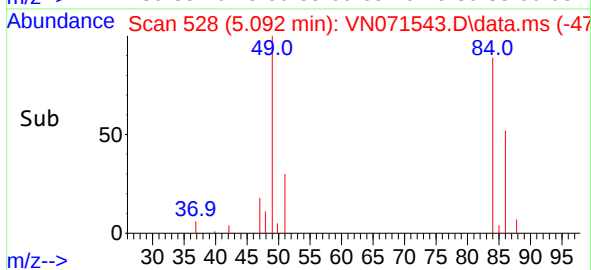
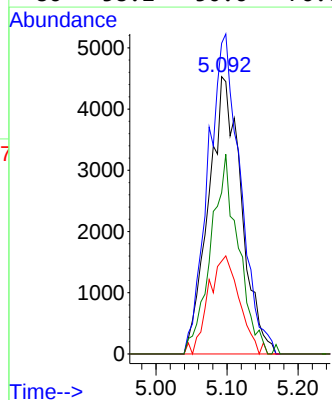
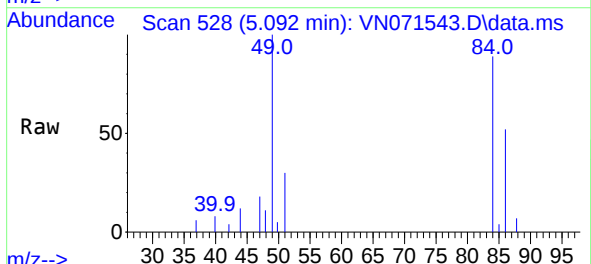
Instrument :  
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ClientSampleId :  
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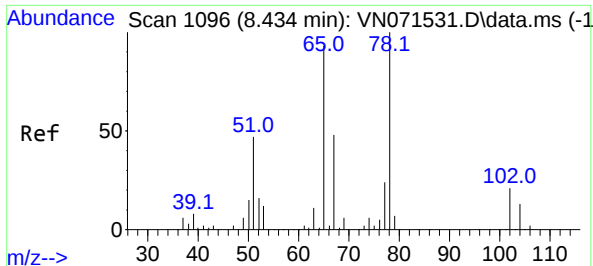
Tgt Ion: 43 Resp: 26664  
Ion Ratio Lower Upper  
43 100  
58 33.7 26.0 39.0



#20  
Methylene Chloride  
Concen: 1.596 ug/l  
RT: 5.092 min Scan# 528  
Delta R.T. -0.000 min  
Lab File: VN071543.D  
Acq: 25 Mar 2022 13:28

Tgt Ion: 84 Resp: 14482  
Ion Ratio Lower Upper  
84 100  
49 112.1 88.3 132.5  
51 33.5 28.2 42.2  
86 58.2 50.6 76.0





#33

1,2-Dichloroethane-d4

Concen: 47.210 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071543.D

Acq: 25 Mar 2022 13:28

Instrument :

MSVOA\_N

ClientSampleId :

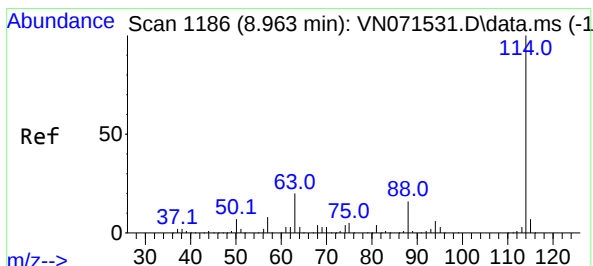
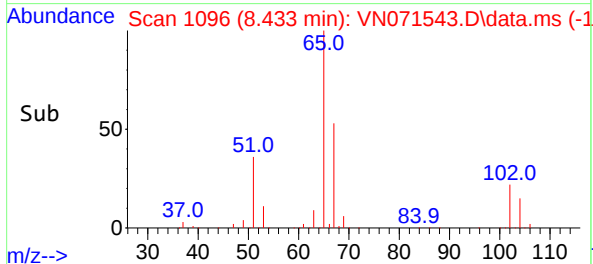
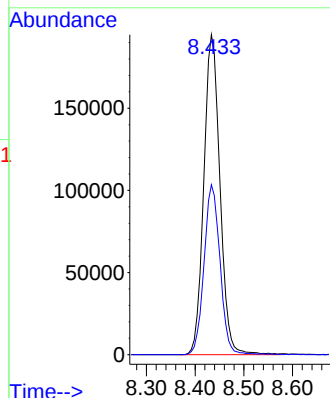
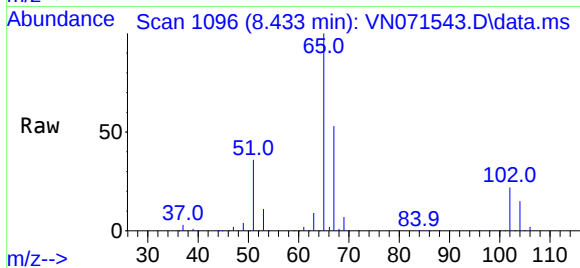
PB143557ZHE#02

Tgt Ion: 65 Resp: 448579

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071543.D

Acq: 25 Mar 2022 13:28

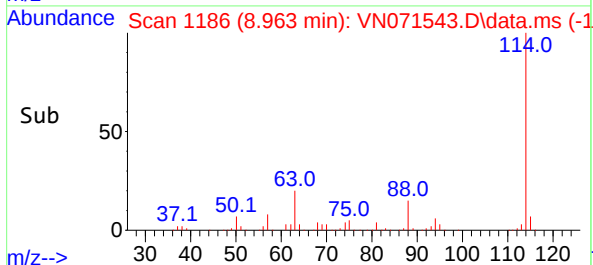
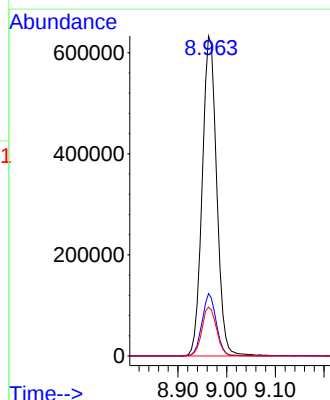
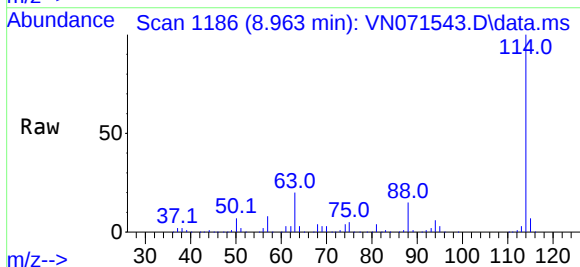
Tgt Ion: 114 Resp: 1308564

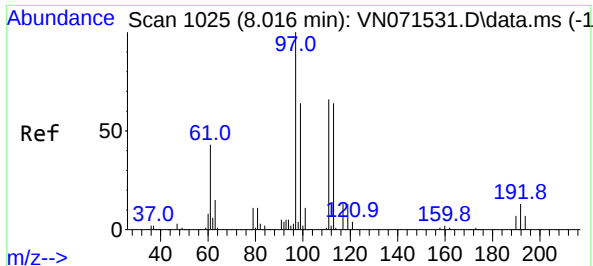
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.3 0.0 32.6

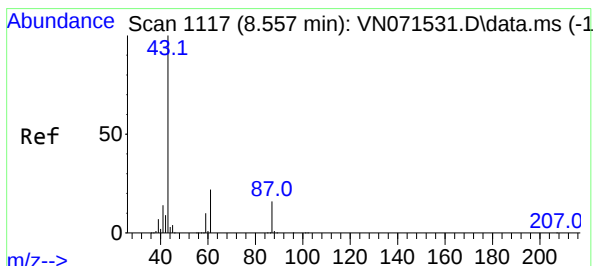
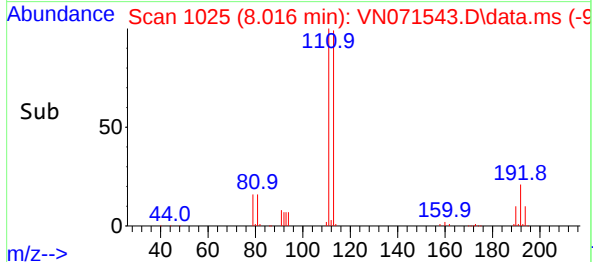
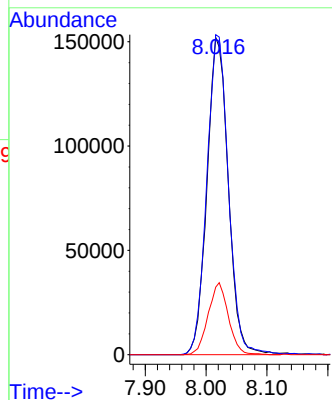
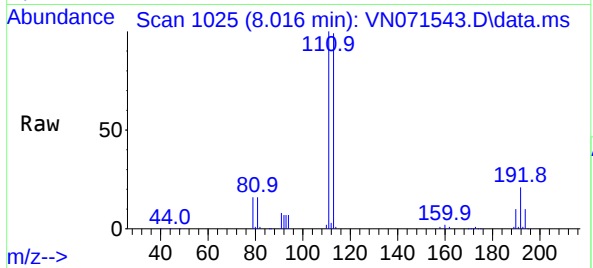




#35  
Dibromofluoromethane  
Concen: 44.963 ug/l  
RT: 8.016 min Scan# 1025  
Delta R.T. -0.000 min  
Lab File: VN071543.D  
Acq: 25 Mar 2022 13:28

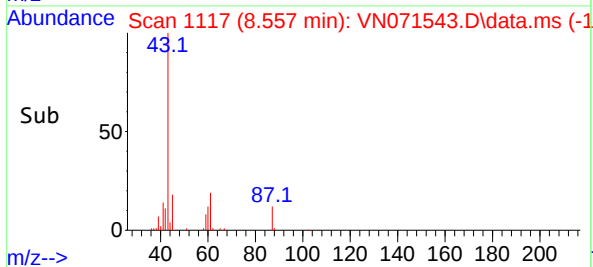
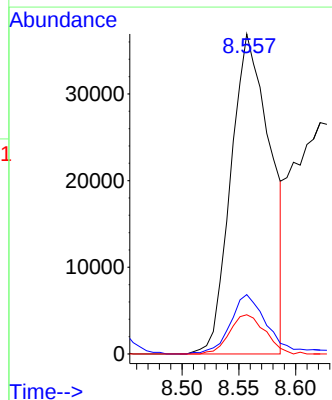
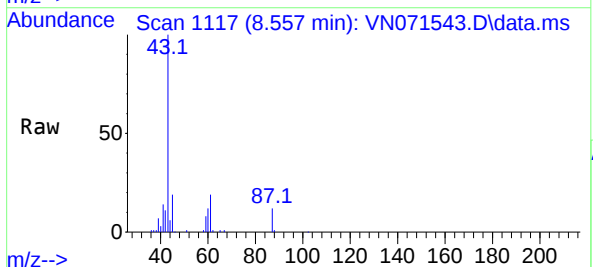
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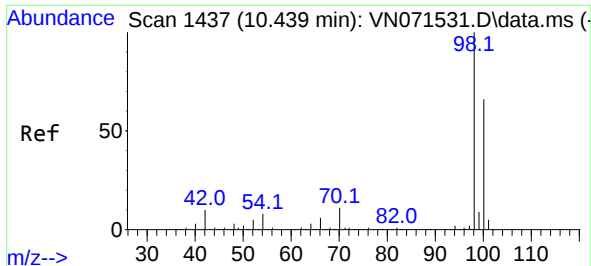
Tgt Ion:113 Resp: 369774  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.4 122.0  
192 21.6 17.0 25.6



#43  
Isopropyl Acetate  
Concen: 3.947 ug/l  
RT: 8.557 min Scan# 1117  
Delta R.T. -0.000 min  
Lab File: VN071543.D  
Acq: 25 Mar 2022 13:28

Tgt Ion: 43 Resp: 89296  
Ion Ratio Lower Upper  
43 100  
61 17.4 21.9 32.9#  
87 11.0 12.0 18.0#

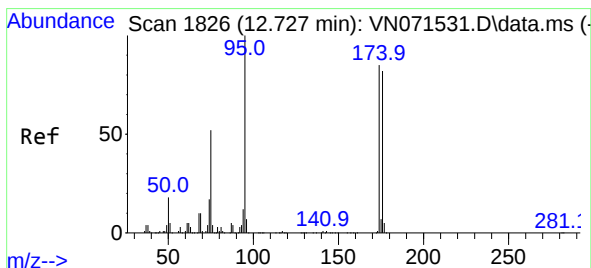
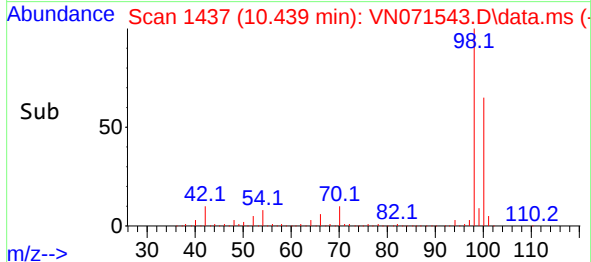
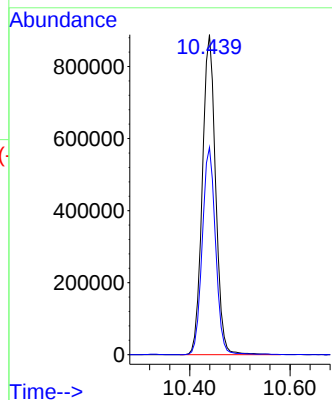
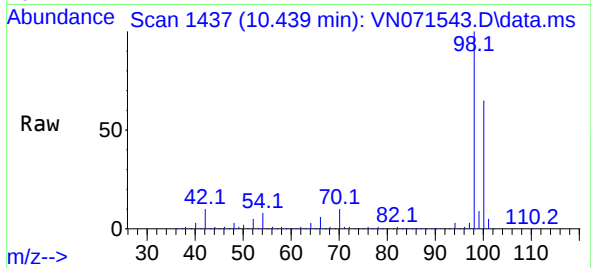




#50  
Toluene-d8  
Concen: 49.184 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. -0.000 min  
Lab File: VN071543.D  
Acq: 25 Mar 2022 13:28

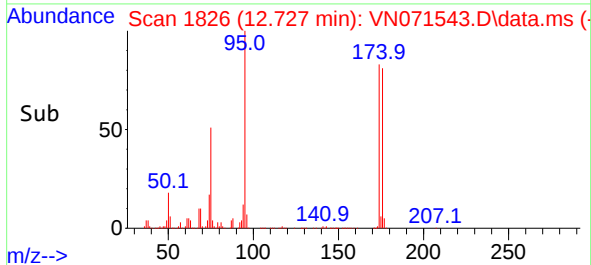
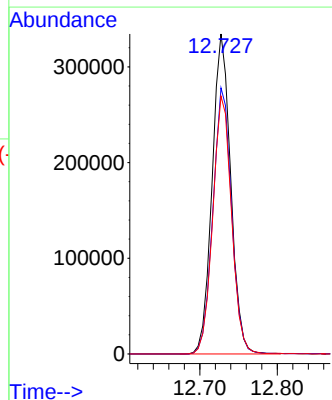
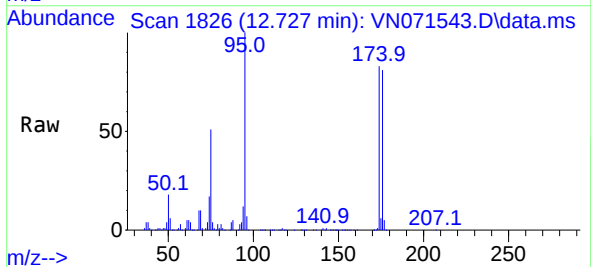
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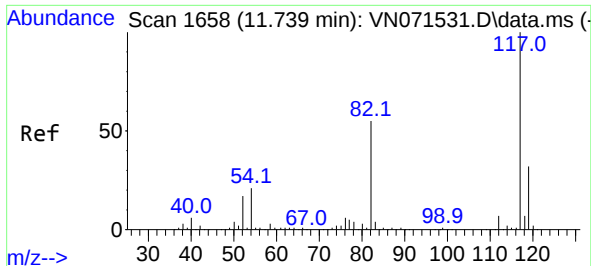
Tgt Ion: 98 Resp: 1631502  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 51.131 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.000 min  
Lab File: VN071543.D  
Acq: 25 Mar 2022 13:28

Tgt Ion: 95 Resp: 555746  
Ion Ratio Lower Upper  
95 100  
174 83.7 0.0 167.6  
176 81.6 0.0 163.4

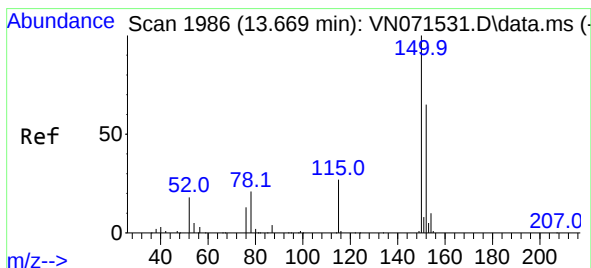
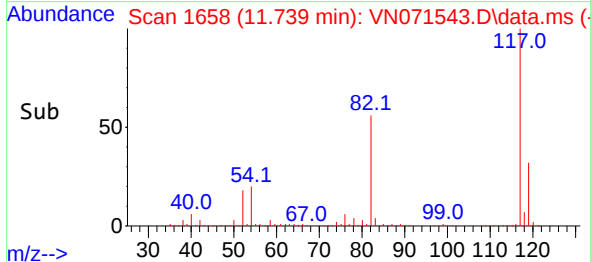
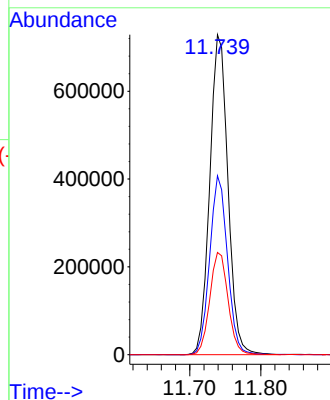
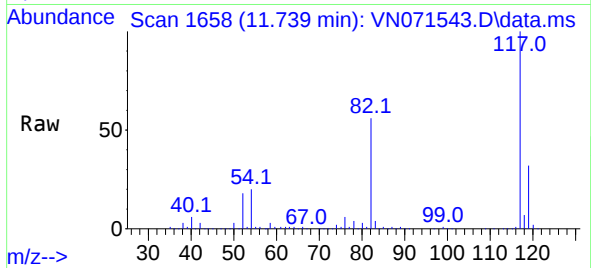




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN071543.D  
Acq: 25 Mar 2022 13:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB143557ZHE#02

Tgt Ion:117 Resp: 1293150  
Ion Ratio Lower Upper  
117 100  
82 55.9 44.2 66.2  
119 32.0 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.668 min Scan# 1986  
Delta R.T. -0.000 min  
Lab File: VN071543.D  
Acq: 25 Mar 2022 13:28

Tgt Ion:152 Resp: 485327  
Ion Ratio Lower Upper  
152 100  
115 57.6 28.9 86.7  
150 158.4 0.0 356.2

