

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020724\  
 Data File : VN080941.D  
 Acq On : 07 Feb 2024 17:15  
 Operator : JC\MD  
 Sample : PB158850ZHE#05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB158850ZHE#05

Quant Time: Feb 08 00:28:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N020624W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 07 06:22:23 2024  
 Response via : Initial Calibration

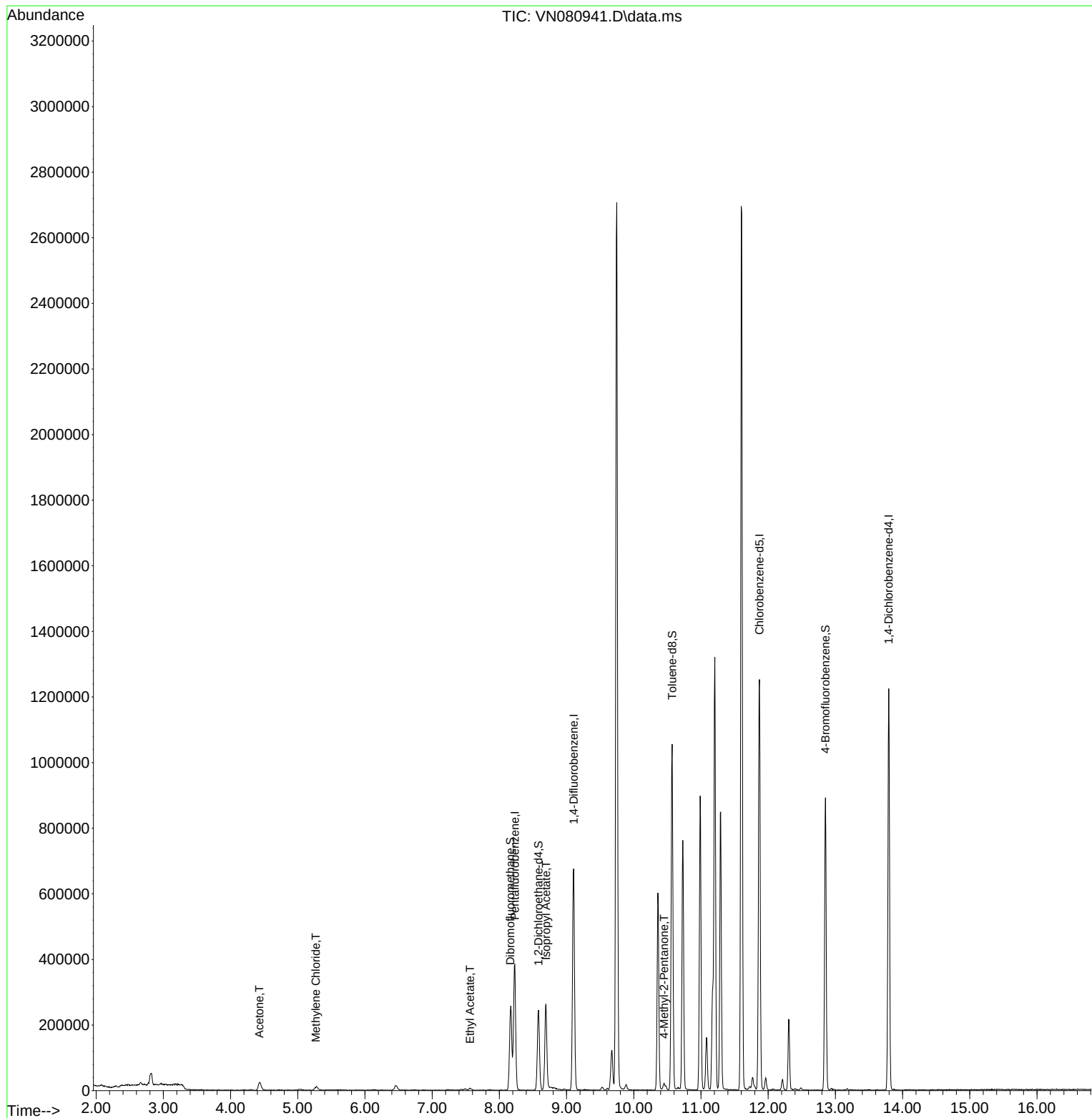
| Compound                    | R.T.           | QIon | Response | Conc        | Units  | Dev(Min) |
|-----------------------------|----------------|------|----------|-------------|--------|----------|
| -----                       |                |      |          |             |        |          |
| Internal Standards          |                |      |          |             |        |          |
| 1) Pentafluorobenzene       | 8.229          | 168  | 271592   | 50.000      | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106          | 114  | 592188   | 50.000      | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.870         | 117  | 752703   | 50.000      | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.794         | 152  | 318753   | 50.000      | ug/l   | 0.00     |
|                             |                |      |          |             |        |          |
| System Monitoring Compounds |                |      |          |             |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582          | 65   | 193826   | 56.573      | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery | = 113.140%  |        |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 180316   | 56.745      | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery | = 113.480%  |        |          |
| 50) Toluene-d8              | 10.571         | 98   | 721175   | 62.744      | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery | = 125.480%# |        |          |
| 62) 4-Bromofluorobenzene    | 12.853         | 95   | 311309   | 74.557      | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery | = 149.120%# |        |          |
|                             |                |      |          |             |        |          |
| Target Compounds            |                |      |          |             |        | Qvalue   |
| 16) Acetone                 | 4.430          | 43   | 45461    | 40.331      | ug/l # | 83       |
| 20) Methylene Chloride      | 5.271          | 84   | 8322     | 2.437       | ug/l # | 74       |
| 37) Ethyl Acetate           | 7.565          | 43   | 7982     | 2.231       | ug/l # | 88       |
| 43) Isopropyl Acetate       | 8.694          | 43   | 294585   | 44.786      | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone    | 10.453         | 43   | 21179    | 5.343       | ug/l # | 78       |
| -----                       |                |      |          |             |        |          |

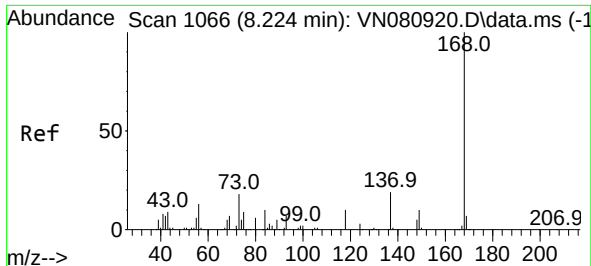
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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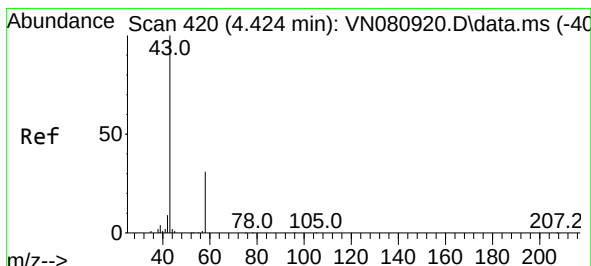
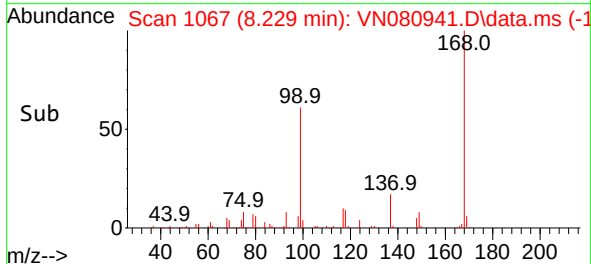
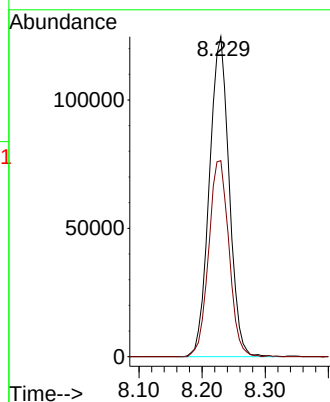
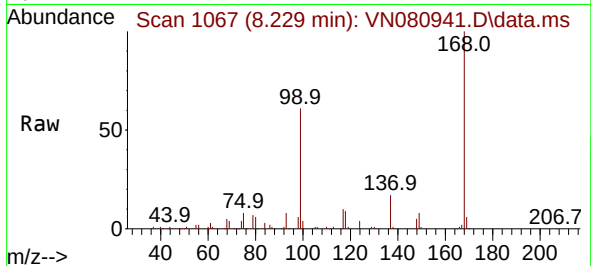




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1066  
Delta R.T. 0.005 min  
Lab File: VN080941.D  
Acq: 07 Feb 2024 17:15

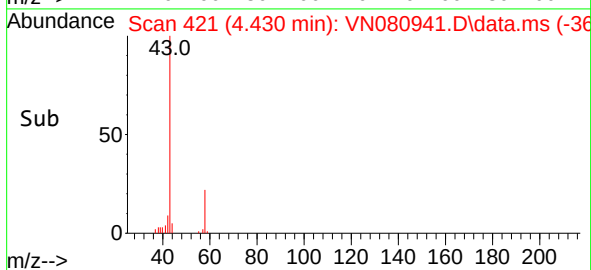
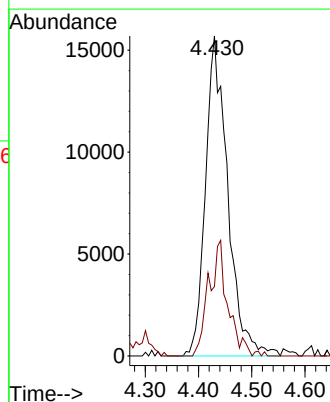
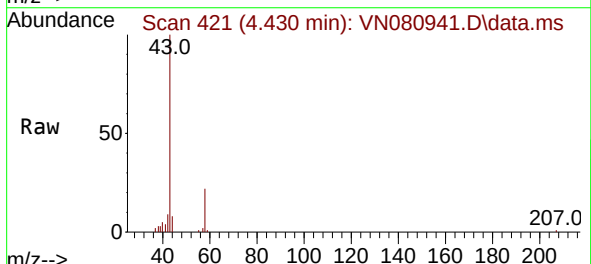
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB158850ZHE#05

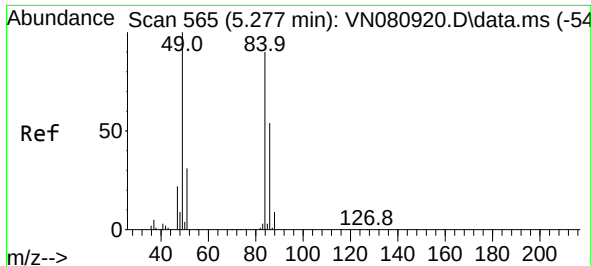
Tgt Ion:168 Resp: 271592  
Ion Ratio Lower Upper  
168 100  
99 61.3 59.9 89.9



#16  
Acetone  
Concen: 40.331 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN080941.D  
Acq: 07 Feb 2024 17:15

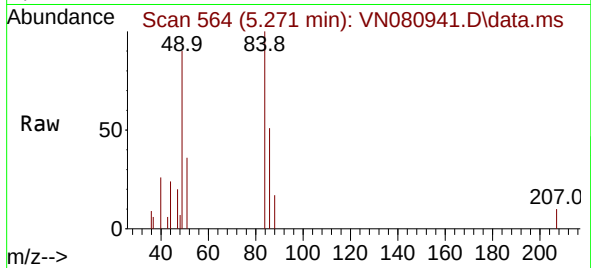
Tgt Ion: 43 Resp: 45461  
Ion Ratio Lower Upper  
43 100  
58 21.7 24.8 37.2#



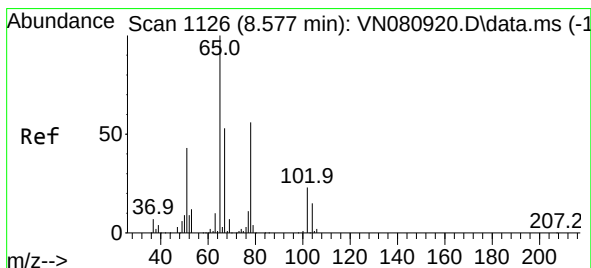
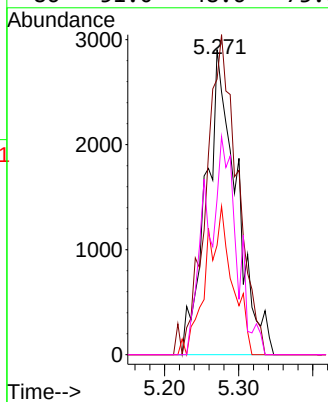
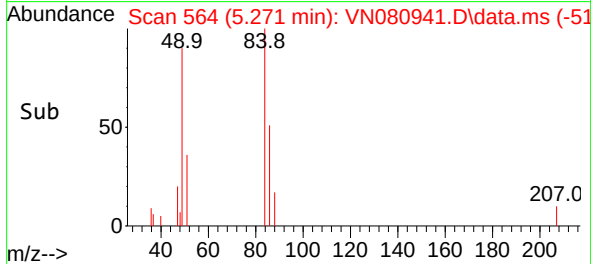


#20  
Methylene Chloride  
Concen: 2.437 ug/l  
RT: 5.271 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VN080941.D  
Acq: 07 Feb 2024 17:15

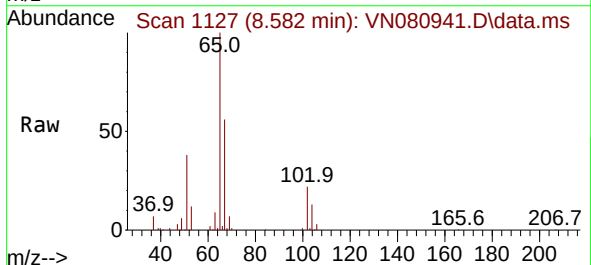
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB158850ZHE#05



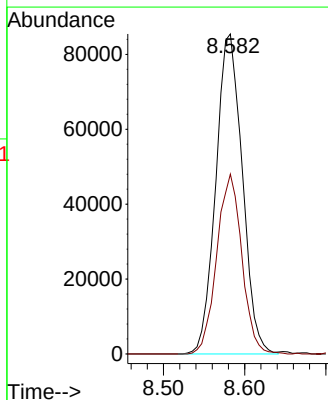
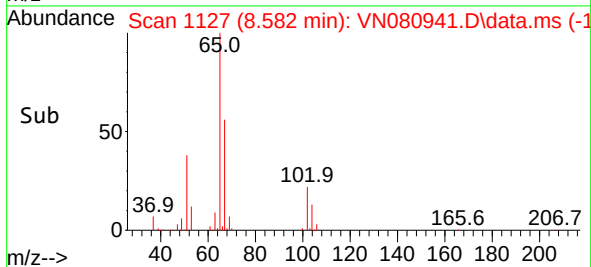
Tgt Ion: 84 Resp: 8322  
Ion Ratio Lower Upper  
84 100  
49 90.3 108.1 162.1#  
51 35.9 32.9 49.3  
86 51.0 48.6 73.0

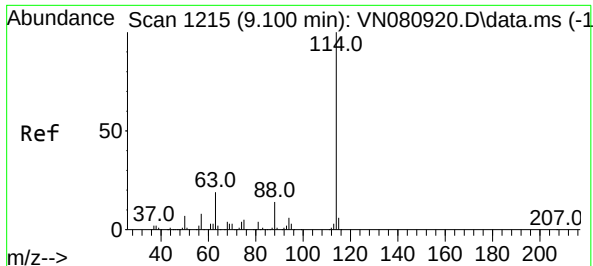


#33  
1,2-Dichloroethane-d4  
Concen: 56.573 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN080941.D  
Acq: 07 Feb 2024 17:15



Tgt Ion: 65 Resp: 193826  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 102.4

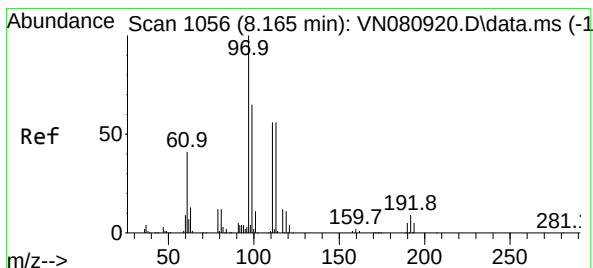
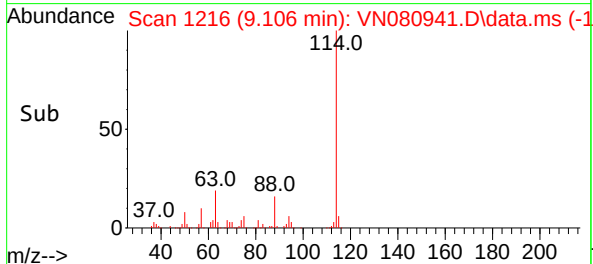
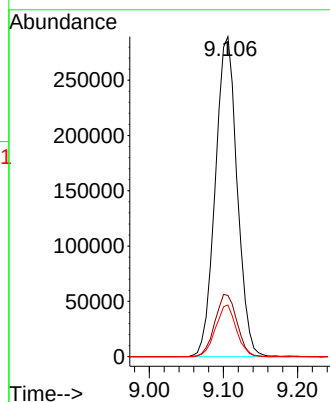
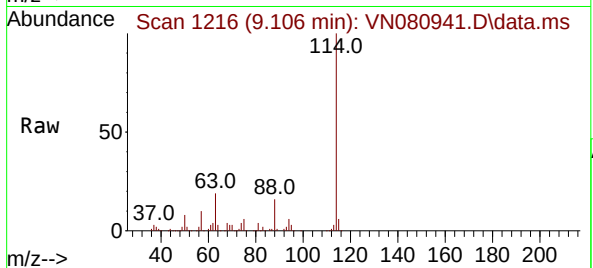




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 114  
Delta R.T. 0.006 min  
Lab File: VN080941.D  
Acq: 07 Feb 2024 17:15

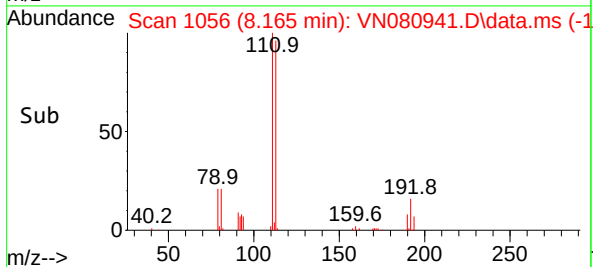
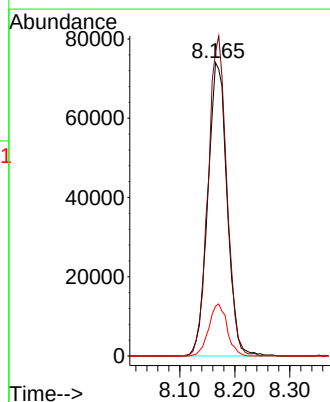
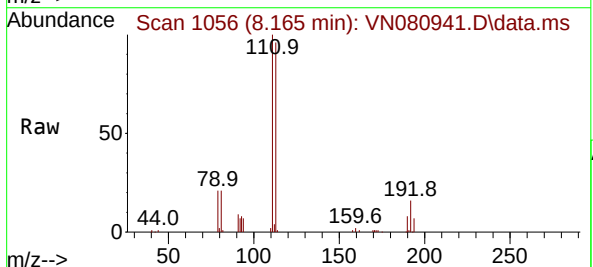
Instrument :  
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ClientSampleId :  
PB158850ZHE#05

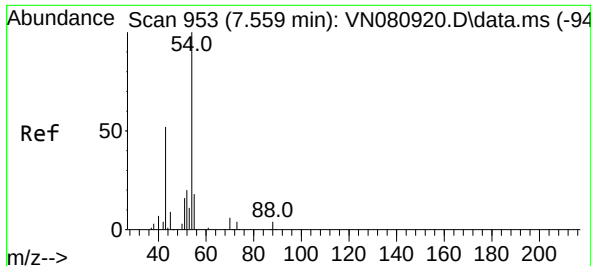
Tgt Ion:114 Resp: 592188  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 48.0  
88 16.2 0.0 34.8



#35  
Dibromofluoromethane  
Concen: 56.745 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN080941.D  
Acq: 07 Feb 2024 17:15

Tgt Ion:113 Resp: 180316  
Ion Ratio Lower Upper  
113 100  
111 105.2 82.2 123.4  
192 16.9 12.5 18.7

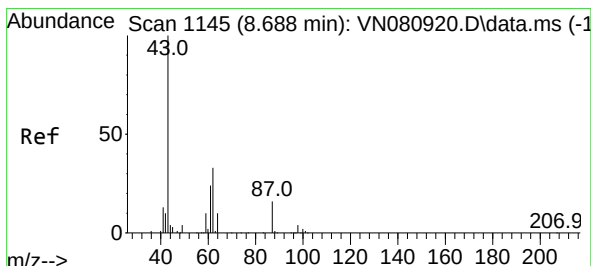
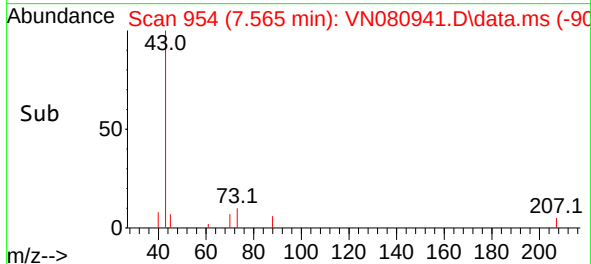
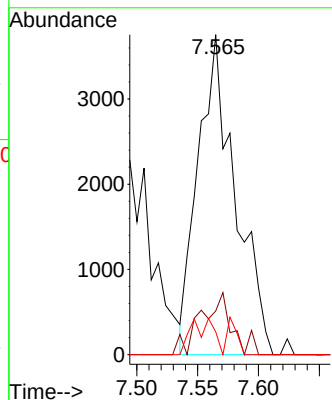
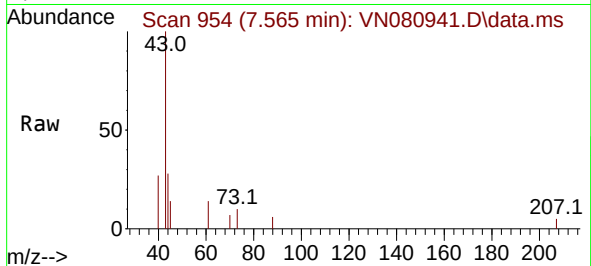




#37  
Ethyl Acetate  
Concen: 2.231 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN080941.D  
Acq: 07 Feb 2024 17:15

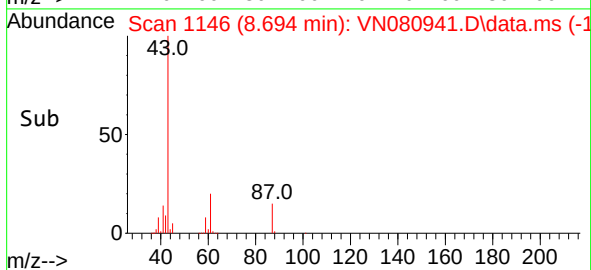
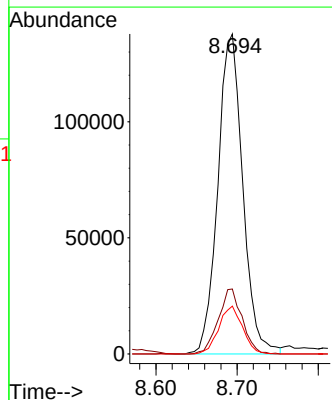
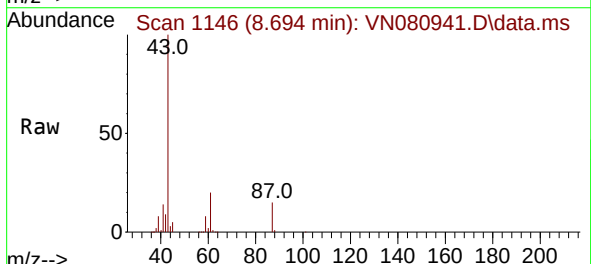
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB158850ZHE#05

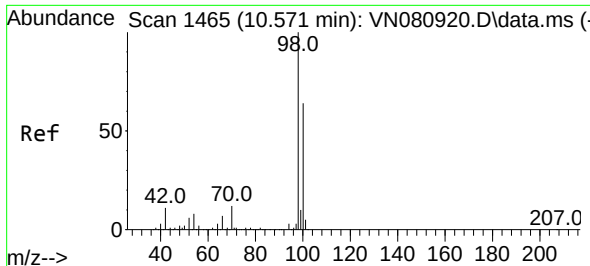
Tgt Ion: 43 Resp: 7982  
Ion Ratio Lower Upper  
43 100  
61 16.2 10.6 15.8#  
70 3.0 8.0 12.0#



#43  
Isopropyl Acetate  
Concen: 44.786 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN080941.D  
Acq: 07 Feb 2024 17:15

Tgt Ion: 43 Resp: 294585  
Ion Ratio Lower Upper  
43 100  
61 19.5 19.9 29.9#  
87 14.2 9.0 13.6#

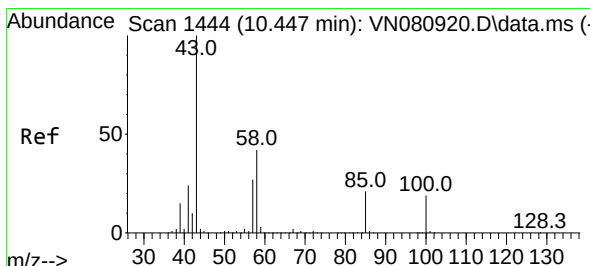
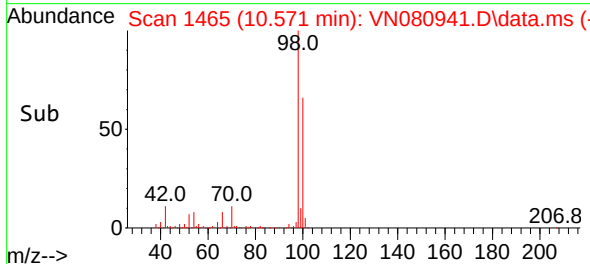
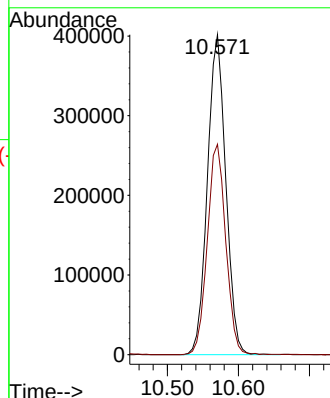
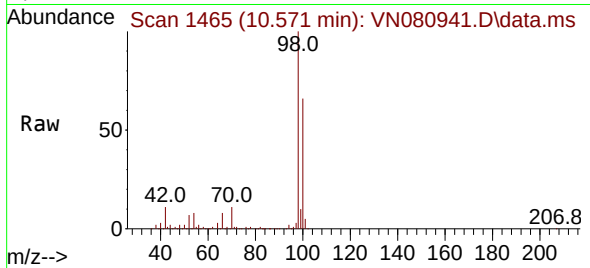




#50  
Toluene-d8  
Concen: 62.744 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN080941.D  
Acq: 07 Feb 2024 17:15

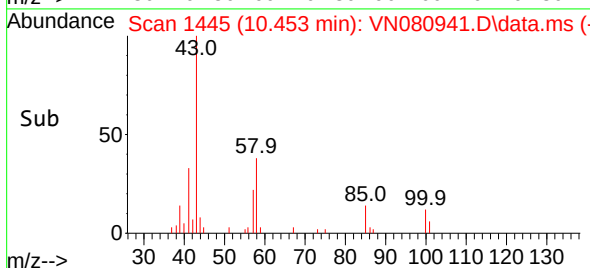
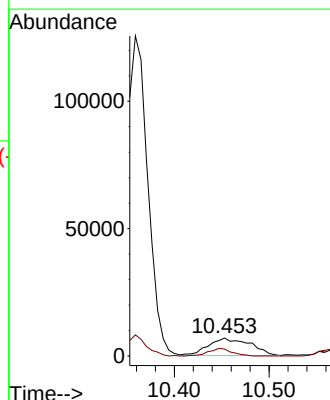
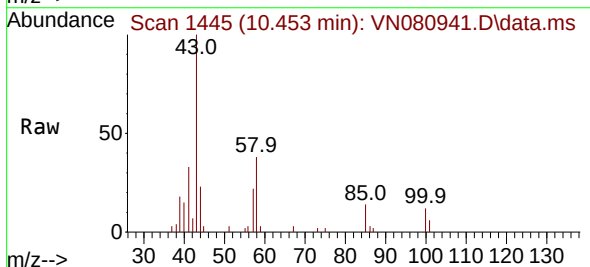
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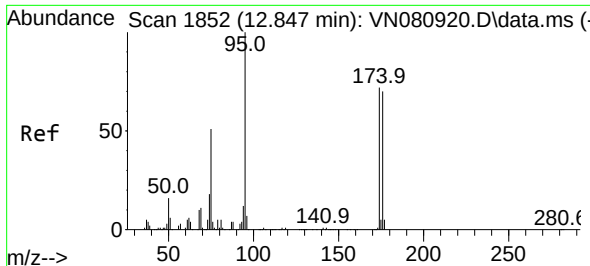
Tgt Ion: 98 Resp: 721175  
Ion Ratio Lower Upper  
98 100  
100 66.1 51.4 77.0



#51  
4-Methyl-2-Pentanone  
Concen: 5.343 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.006 min  
Lab File: VN080941.D  
Acq: 07 Feb 2024 17:15

Tgt Ion: 43 Resp: 21179  
Ion Ratio Lower Upper  
43 100  
58 23.8 29.4 44.0#

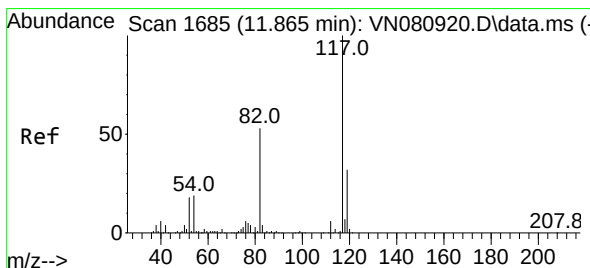
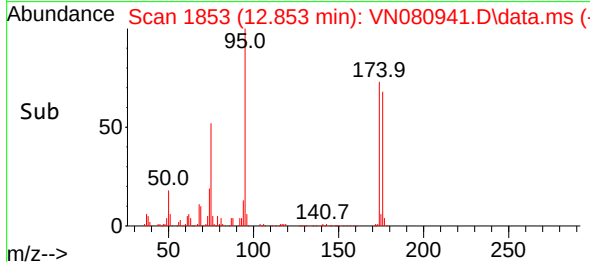
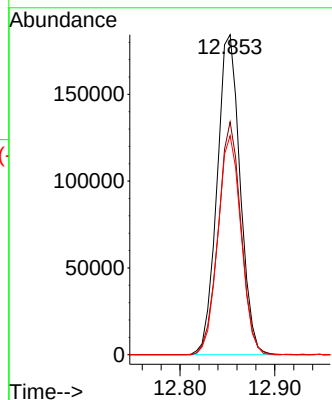
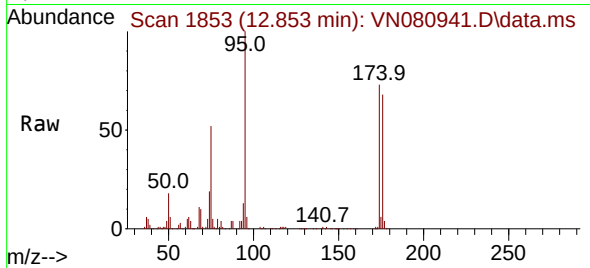




#62  
4-Bromofluorobenzene  
Concen: 74.557 ug/l  
RT: 12.853 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN080941.D  
Acq: 07 Feb 2024 17:15

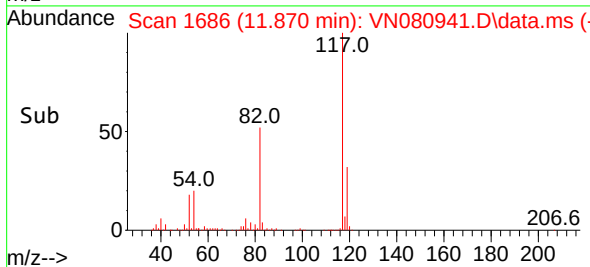
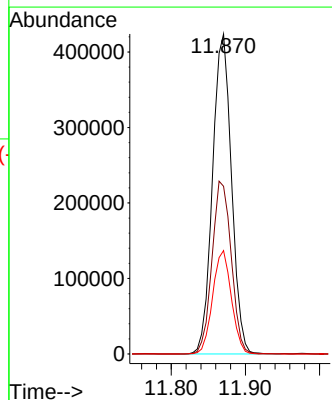
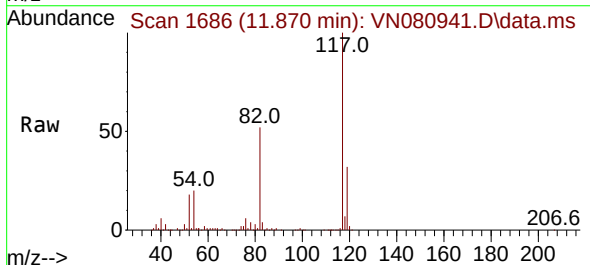
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MSVOA\_N  
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PB158850ZHE#05

Tgt Ion: 95 Resp: 311309  
Ion Ratio Lower Upper  
95 100  
174 72.0 0.0 120.4  
176 68.8 0.0 121.0

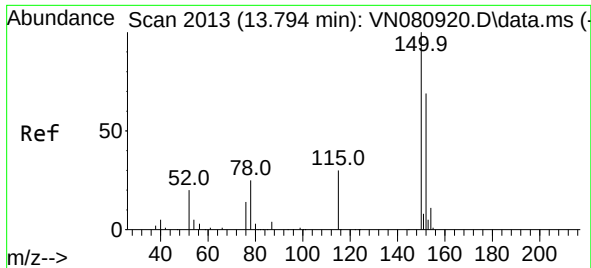


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VN080941.D  
Acq: 07 Feb 2024 17:15

Tgt Ion: 117 Resp: 752703  
Ion Ratio Lower Upper  
117 100  
82 52.4 52.7 79.1#  
119 32.3 25.3 37.9







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN080941.D

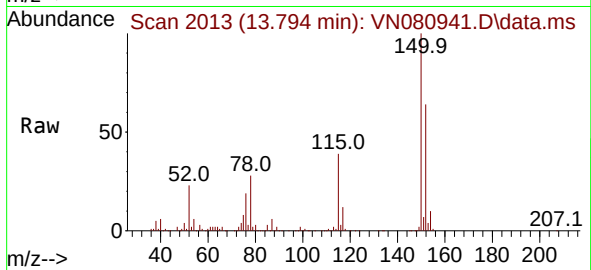
Acq: 07 Feb 2024 17:15

Instrument :

MSVOA\_N

ClientSampleId :

PB158850ZHE#05



Tgt Ion:152 Resp: 318753

Ion Ratio Lower Upper

152 100

115 62.4 32.3 96.8

150 158.7 0.0 339.8

