

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110623\  
 Data File : VN079934.D  
 Acq On : 06 Nov 2023 19:45  
 Operator : JC\MD  
 Sample : PB156885ZHE#17  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB156885ZHE#17

Quant Time: Nov 07 04:53:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 02 05:49:08 2023  
 Response via : Initial Calibration

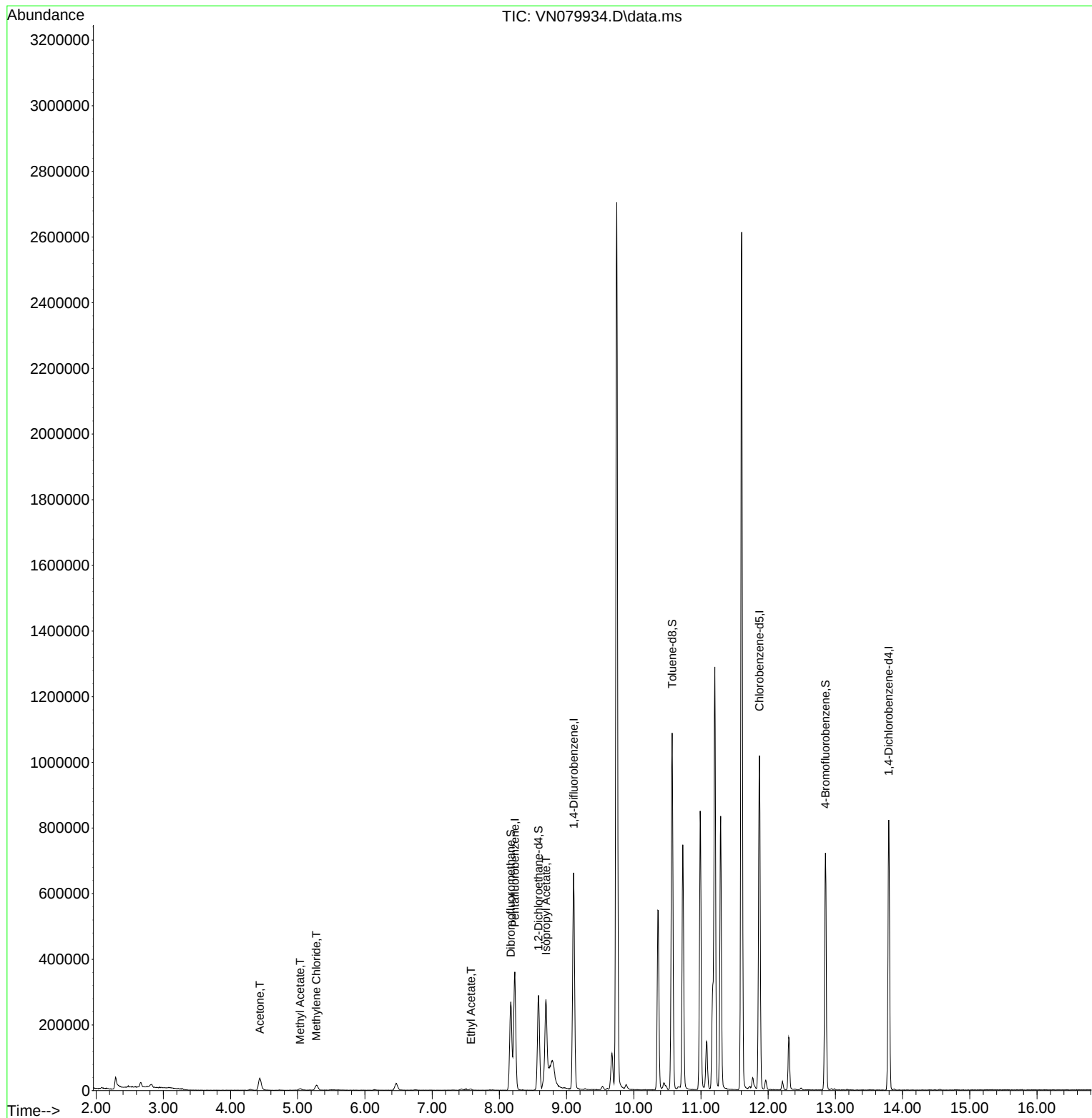
| Compound                    | R.T.           | QIon | Response             | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|----------------------|--------|--------|----------|
| -----                       |                |      |                      |        |        |          |
| Internal Standards          |                |      |                      |        |        |          |
| 1) Pentafluorobenzene       | 8.229          | 168  | 245503               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106          | 114  | 537530               | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.870         | 117  | 576532               | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794         | 152  | 210202               | 50.000 | ug/l   | 0.00     |
|                             |                |      |                      |        |        |          |
| System Monitoring Compounds |                |      |                      |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582          | 65   | 238690               | 63.815 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 127.640%# |        |        |          |
| 35) Dibromofluoromethane    | 8.171          | 113  | 191807               | 50.417 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 100.840%  |        |        |          |
| 50) Toluene-d8              | 10.570         | 98   | 728393               | 52.008 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 104.020%  |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.853         | 95   | 247896               | 53.369 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 106.740%  |        |        |          |
|                             |                |      |                      |        |        |          |
| Target Compounds            |                |      |                      |        |        | Qvalue   |
| 16) Acetone                 | 4.436          | 43   | 69889                | 53.195 | ug/l   | 93       |
| 18) Methyl Acetate          | 5.036          | 43   | 11493                | 1.828  | ug/l # | 64       |
| 20) Methylene Chloride      | 5.277          | 84   | 11473                | 3.461  | ug/l # | 85       |
| 37) Ethyl Acetate           | 7.577          | 43   | 6582                 | 1.321  | ug/l # | 85       |
| 43) Isopropyl Acetate       | 8.694          | 43   | 347686               | 39.796 | ug/l # | 74       |
| -----                       |                |      |                      |        |        |          |

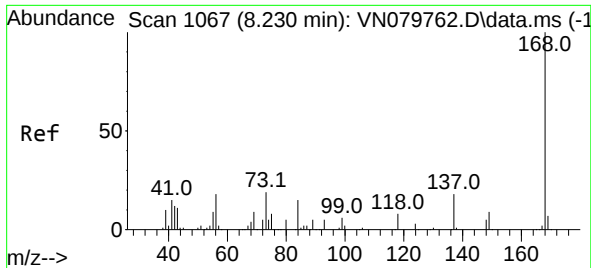
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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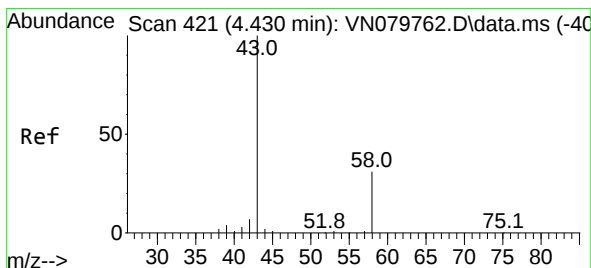
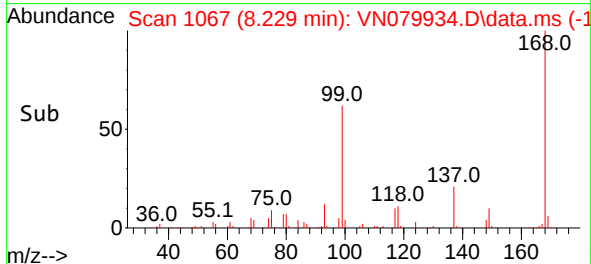
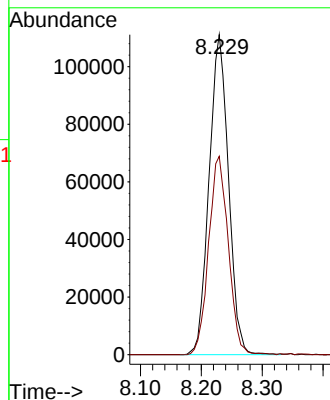
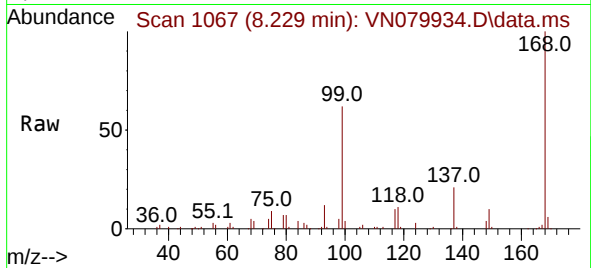




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. 0.000 min  
Lab File: VN079934.D  
Acq: 06 Nov 2023 19:45

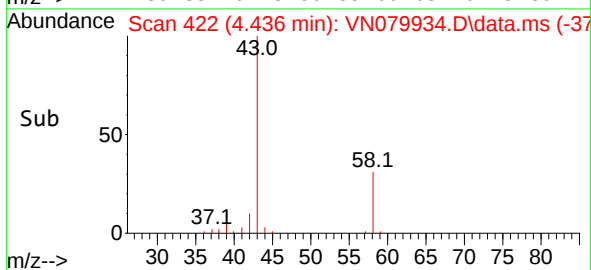
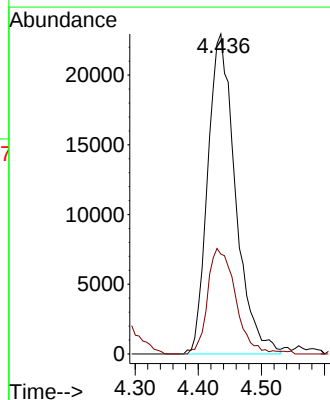
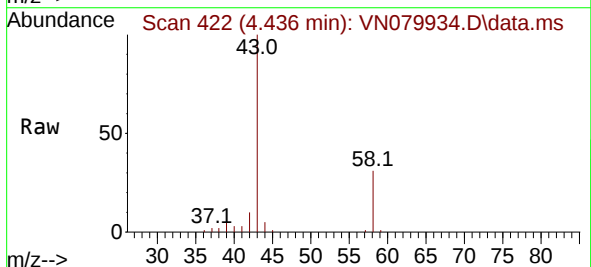
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MSVOA\_N  
ClientSampleId :  
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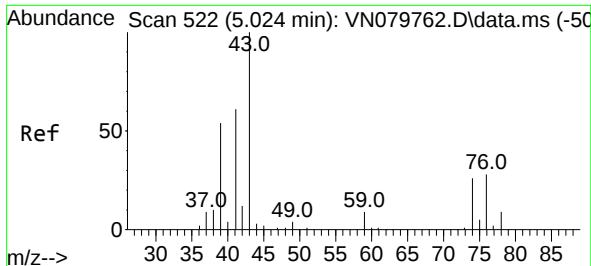
Tgt Ion:168 Resp: 245503  
Ion Ratio Lower Upper  
168 100  
99 62.0 53.0 79.6



#16  
Acetone  
Concen: 53.195 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.006 min  
Lab File: VN079934.D  
Acq: 06 Nov 2023 19:45

Tgt Ion: 43 Resp: 69889  
Ion Ratio Lower Upper  
43 100  
58 31.2 28.0 42.0

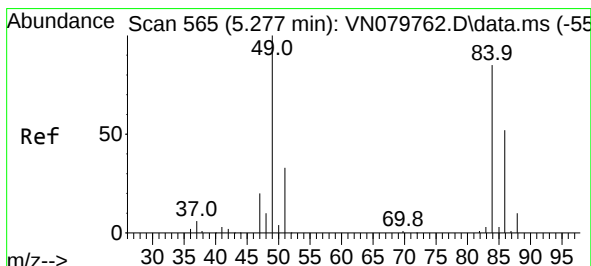
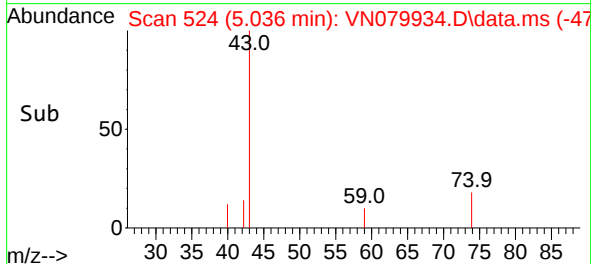
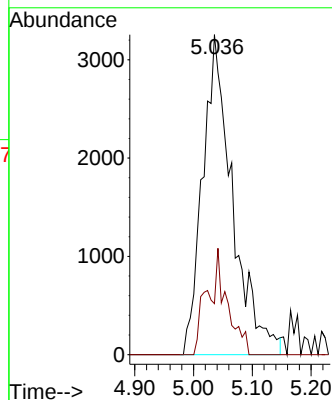
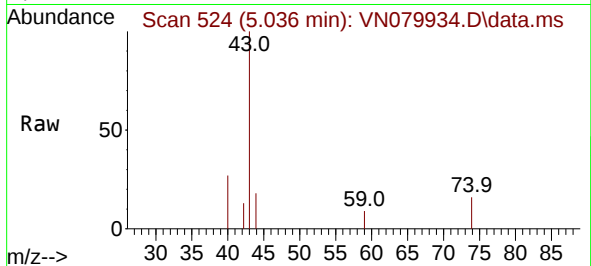




#18  
Methyl Acetate  
Concen: 1.828 ug/l  
RT: 5.036 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN079934.D  
Acq: 06 Nov 2023 19:45

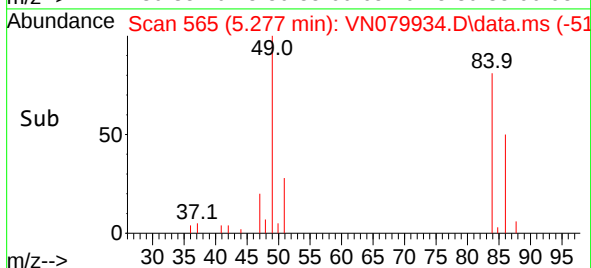
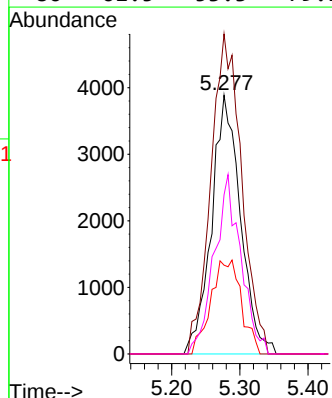
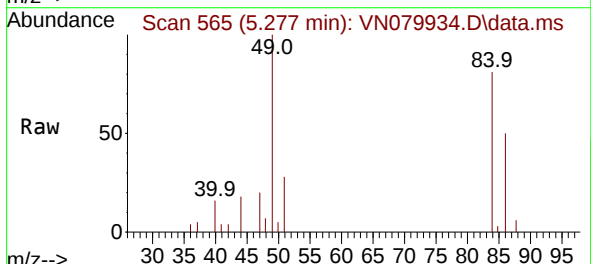
Instrument :  
MSVOA\_N  
ClientSampleId :  
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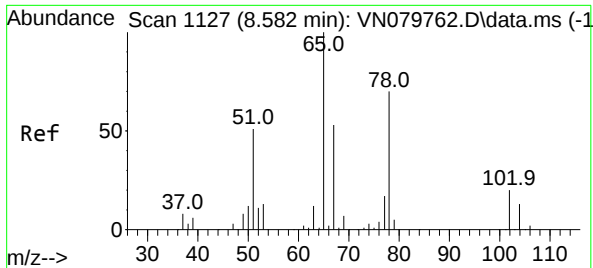
Tgt Ion: 43 Resp: 11493  
Ion Ratio Lower Upper  
43 100  
74 12.3 26.2 39.4#



#20  
Methylene Chloride  
Concen: 3.461 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.006 min  
Lab File: VN079934.D  
Acq: 06 Nov 2023 19:45

Tgt Ion: 84 Resp: 11473  
Ion Ratio Lower Upper  
84 100  
49 123.7 79.7 119.5#  
51 34.3 25.2 37.8  
86 61.5 53.3 79.9





#33

1,2-Dichloroethane-d4

Concen: 63.815 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079934.D

Acq: 06 Nov 2023 19:45

Instrument :

MSVOA\_N

ClientSampleId :

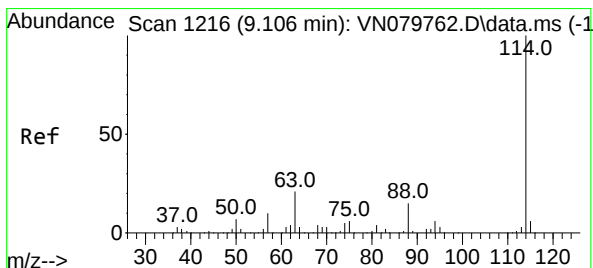
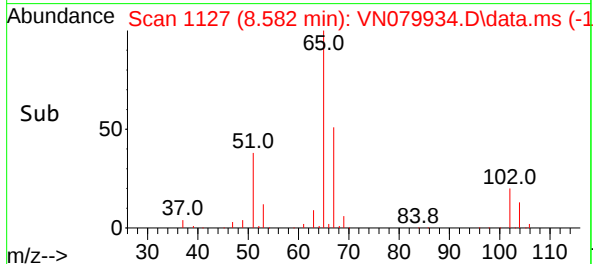
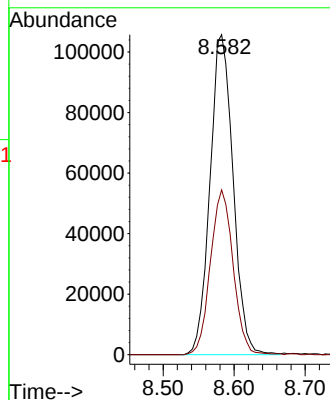
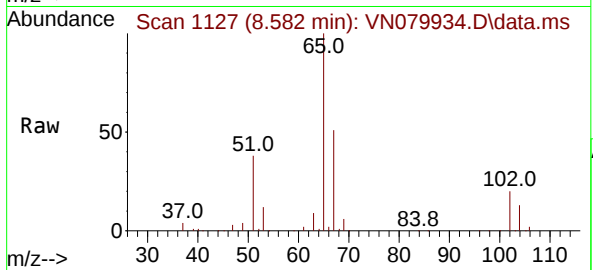
PB156885ZHE#17

Tgt Ion: 65 Resp: 238690

Ion Ratio Lower Upper

65 100

67 50.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN079934.D

Acq: 06 Nov 2023 19:45

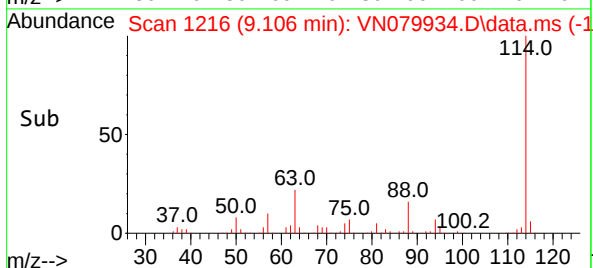
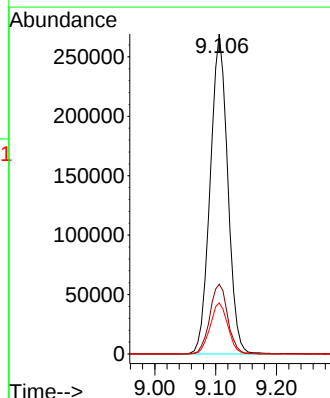
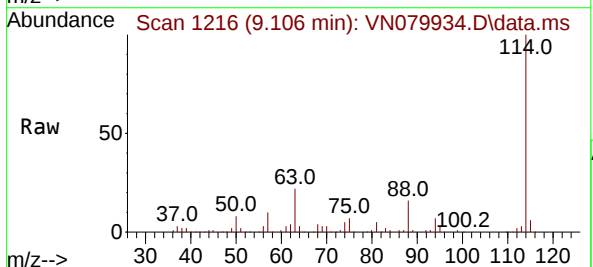
Tgt Ion: 114 Resp: 537530

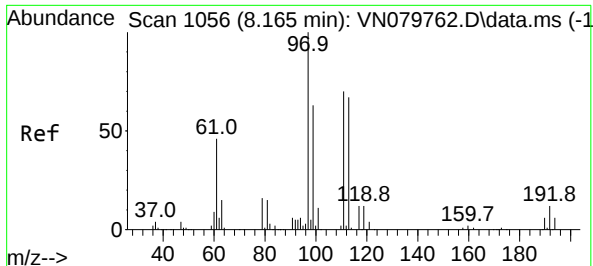
Ion Ratio Lower Upper

114 100

63 21.8 0.0 36.4

88 15.9 0.0 30.6

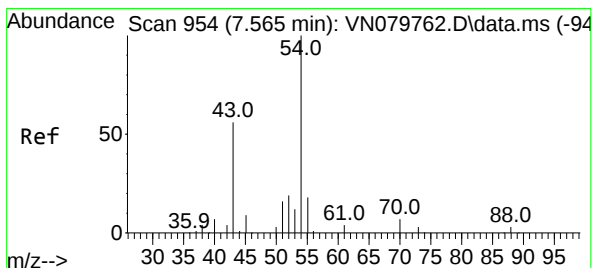
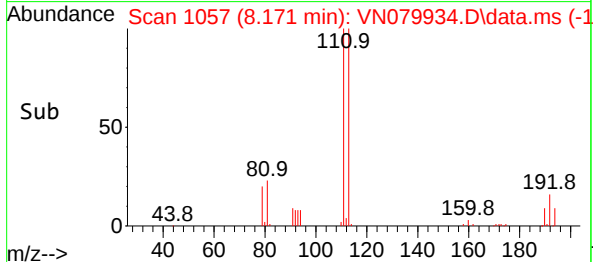
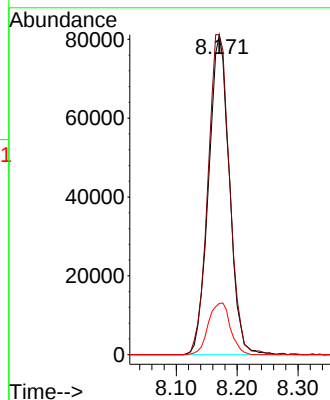
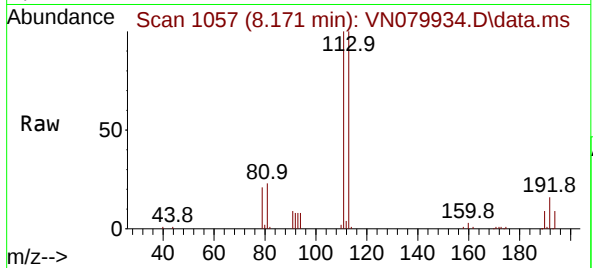




#35  
Dibromofluoromethane  
Concen: 50.417 ug/l  
RT: 8.171 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN079934.D  
Acq: 06 Nov 2023 19:45

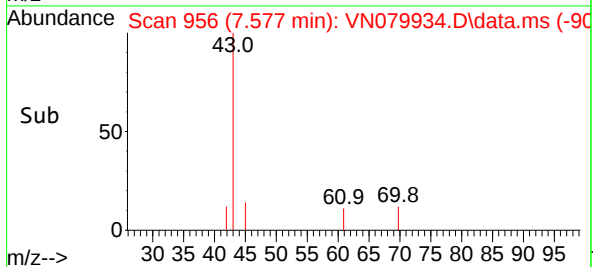
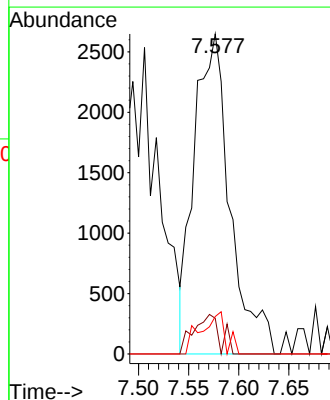
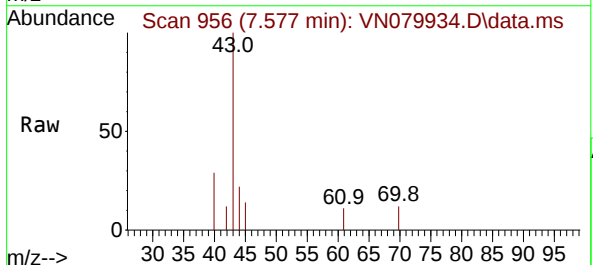
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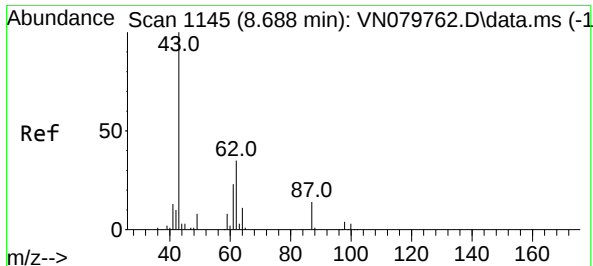
Tgt Ion:113 Resp: 191807  
Ion Ratio Lower Upper  
113 100  
111 104.5 82.6 123.8  
192 17.2 12.7 19.1



#37  
Ethyl Acetate  
Concen: 1.321 ug/l  
RT: 7.577 min Scan# 956  
Delta R.T. 0.012 min  
Lab File: VN079934.D  
Acq: 06 Nov 2023 19:45

Tgt Ion: 43 Resp: 6582  
Ion Ratio Lower Upper  
43 100  
61 9.2 13.2 19.8#  
70 9.0 11.3 16.9#

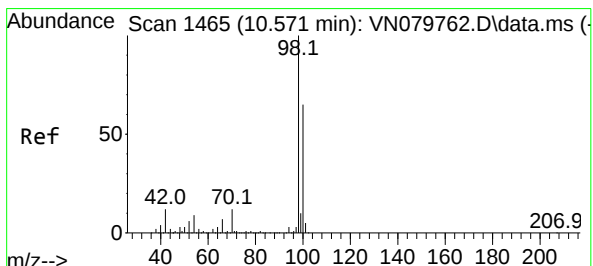
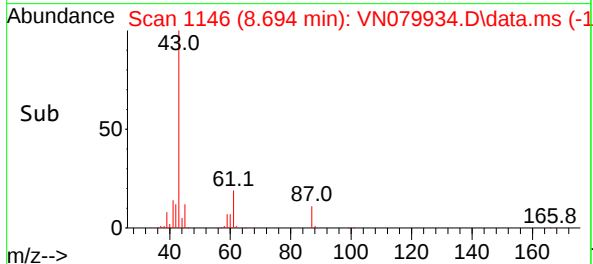
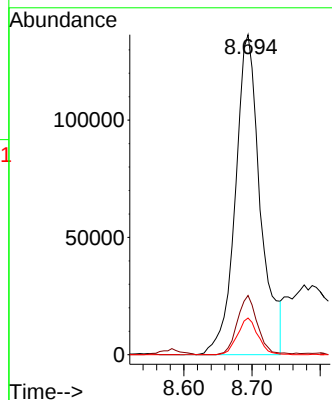
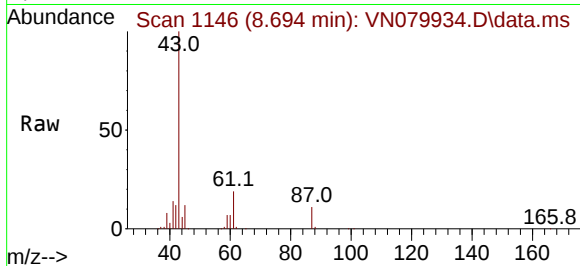




#43  
Isopropyl Acetate  
Concen: 39.796 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN079934.D  
Acq: 06 Nov 2023 19:45

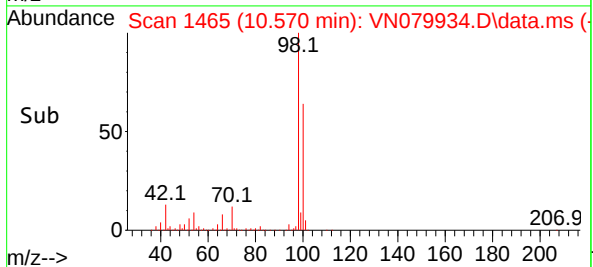
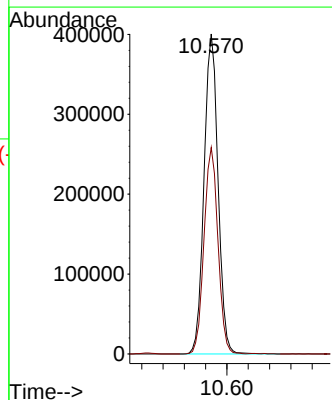
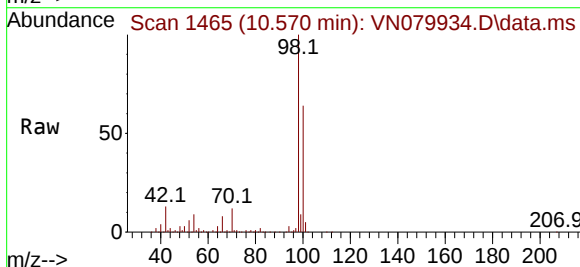
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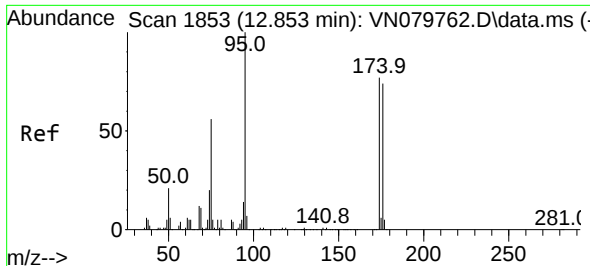
Tgt Ion: 43 Resp: 347686  
Ion Ratio Lower Upper  
43 100  
61 15.0 24.7 37.1#  
87 9.3 14.6 21.8#



#50  
Toluene-d8  
Concen: 52.008 ug/l  
RT: 10.570 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN079934.D  
Acq: 06 Nov 2023 19:45

Tgt Ion: 98 Resp: 728393  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.0 78.0

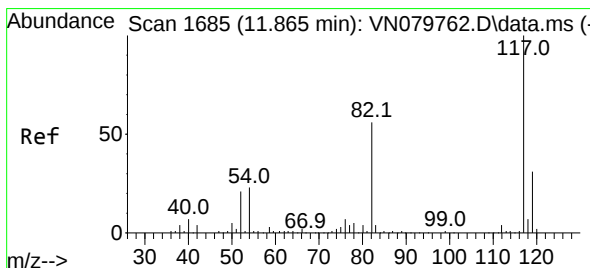
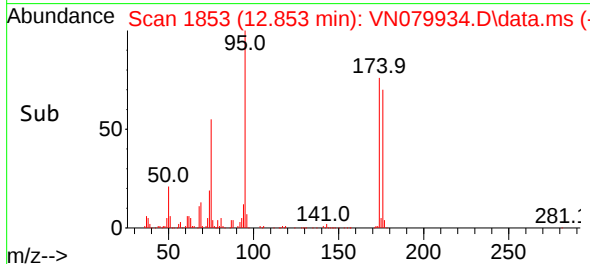
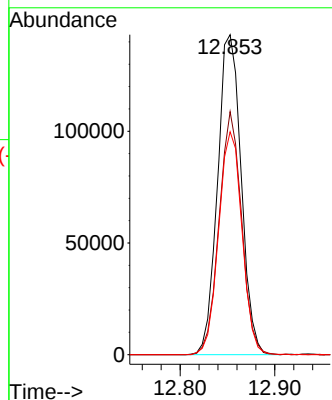
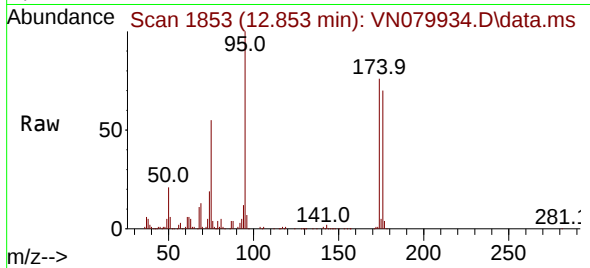




#62  
4-Bromofluorobenzene  
Concen: 53.369 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079934.D  
Acq: 06 Nov 2023 19:45

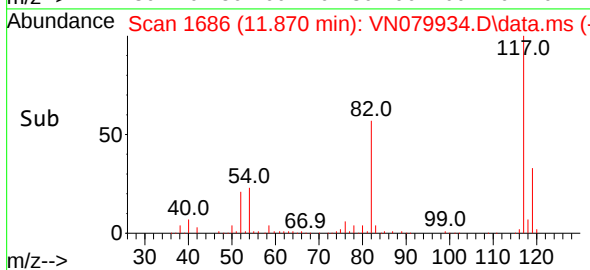
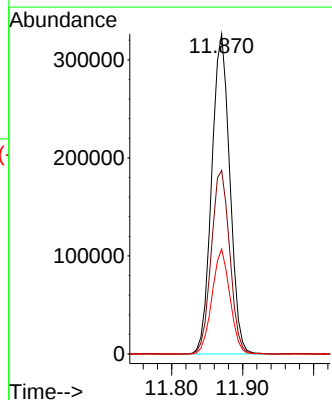
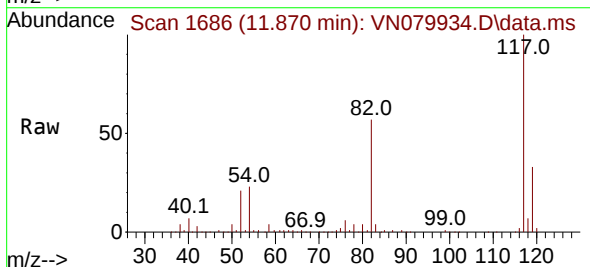
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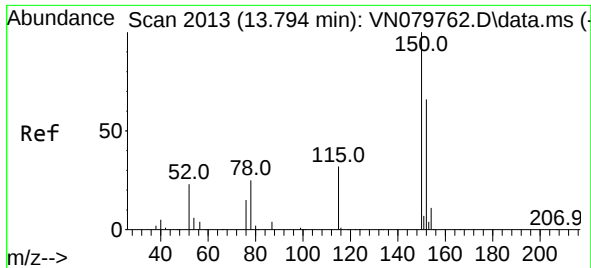
Tgt Ion: 95 Resp: 247896  
Ion Ratio Lower Upper  
95 100  
174 72.5 0.0 143.8  
176 69.0 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN079934.D  
Acq: 06 Nov 2023 19:45

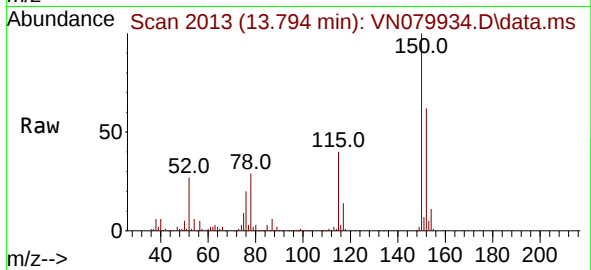
Tgt Ion: 117 Resp: 576532  
Ion Ratio Lower Upper  
117 100  
82 57.4 44.0 66.0  
119 32.8 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN079934.D  
 Acq: 06 Nov 2023 19:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB156885ZHE#17



Tgt Ion:152 Resp: 210202  
 Ion Ratio Lower Upper  
 152 100  
 115 62.3 32.3 96.8  
 150 157.2 0.0 355.8

