

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121423\  
 Data File : VN080486.D  
 Acq On : 14 Dec 2023 16:39  
 Operator : JC\MD  
 Sample : 05831-03 50X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 A6931

Quant Time: Dec 15 00:29:54 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121223W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 13 01:57:14 2023  
 Response via : Initial Calibration

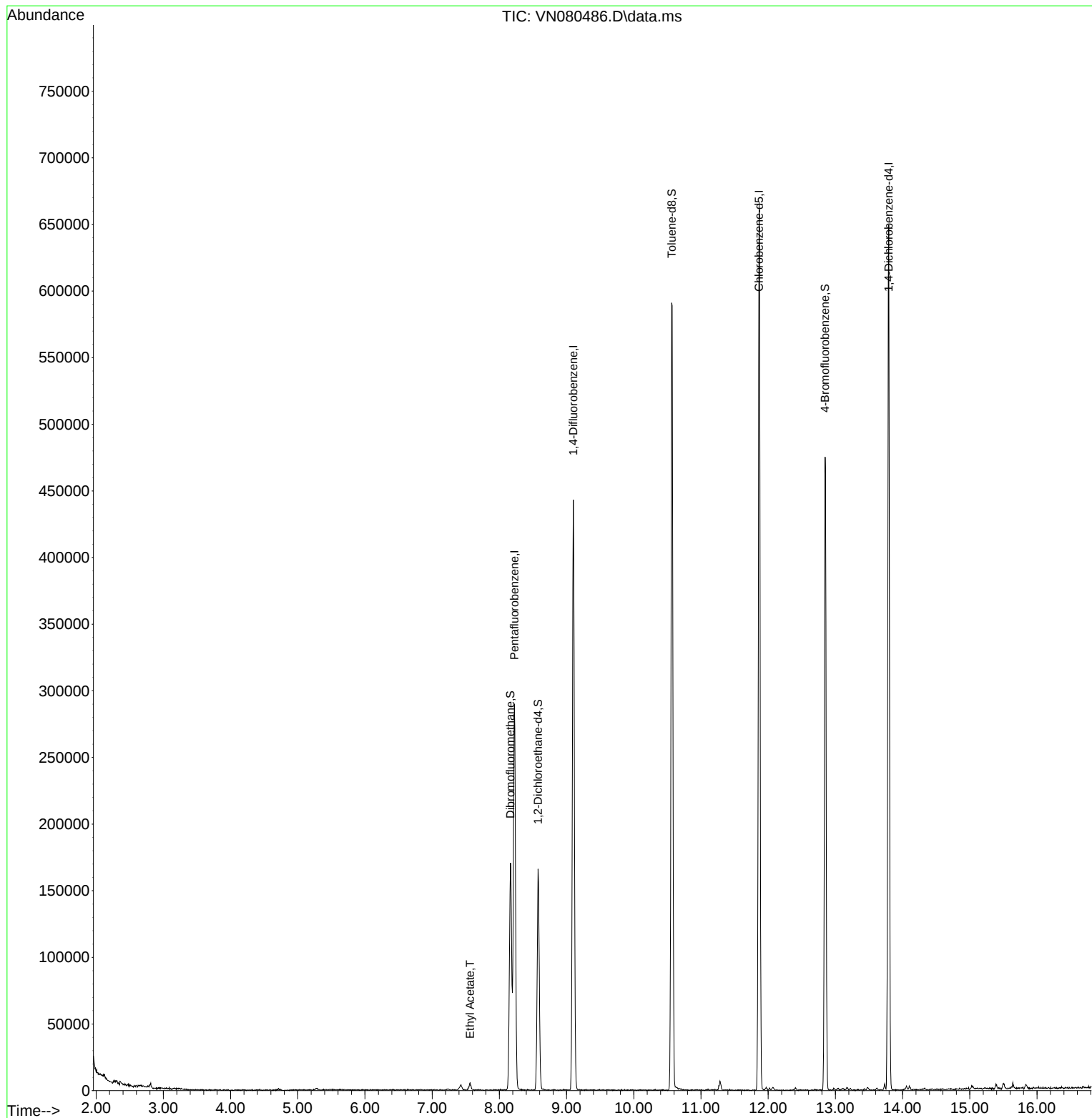
| Compound                    | R.T.           | QIon | Response            | Conc   | Units | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|-------|----------|
| -----                       |                |      |                     |        |       |          |
| Internal Standards          |                |      |                     |        |       |          |
| 1) Pentafluorobenzene       | 8.224          | 168  | 204819              | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100          | 114  | 373877              | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865         | 117  | 386732              | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794         | 152  | 175928              | 50.000 | ug/l  | 0.00     |
|                             |                |      |                     |        |       |          |
| System Monitoring Compounds |                |      |                     |        |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.577          | 65   | 143370              | 54.805 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 109.600% |        |       |          |
| 35) Dibromofluoromethane    | 8.165          | 113  | 119306              | 50.329 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 100.660% |        |       |          |
| 50) Toluene-d8              | 10.565         | 98   | 429146              | 48.541 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 97.080%  |        |       |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 170075              | 50.661 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 101.320% |        |       |          |
|                             |                |      |                     |        |       |          |
| Target Compounds            |                |      |                     |        |       |          |
| 37) Ethyl Acetate           | 7.565          | 43   | 6795                | 2.800  | ug/l  | 95       |
| -----                       |                |      |                     |        |       |          |

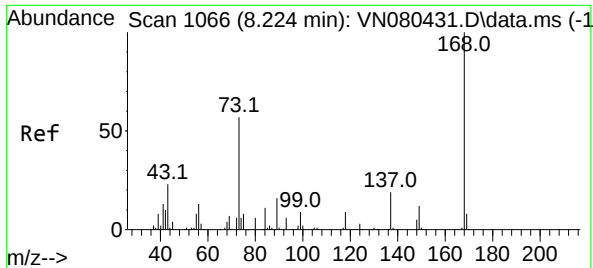
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121223W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 13 01:57:14 2023  
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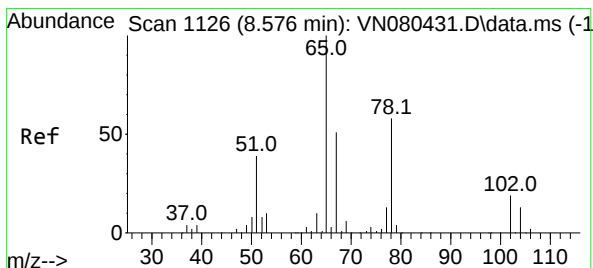
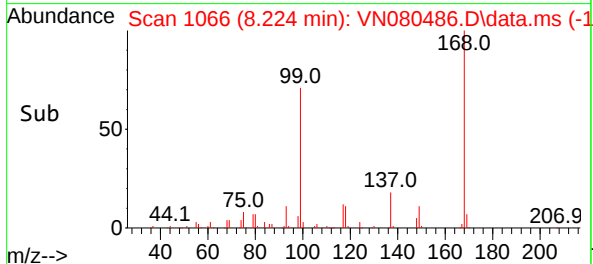
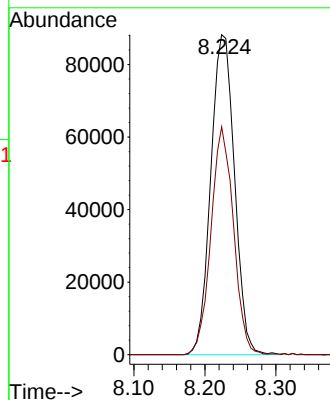
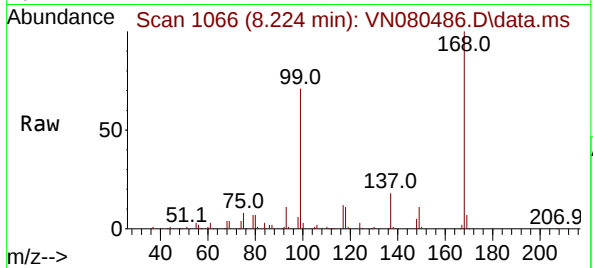




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN080486.D  
Acq: 14 Dec 2023 16:39

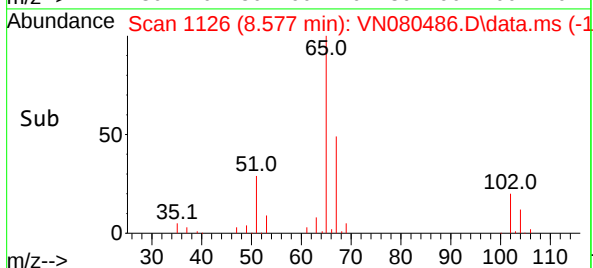
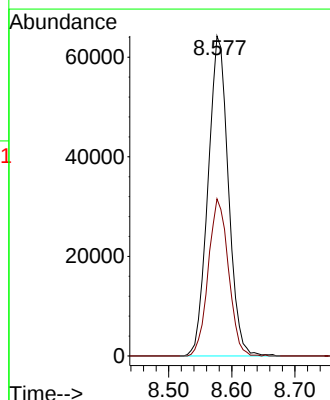
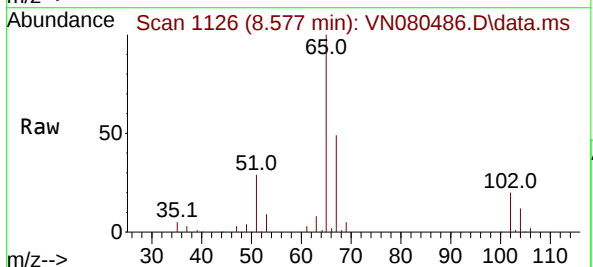
Instrument :  
MSVOA\_N  
ClientSampleId :  
A6931

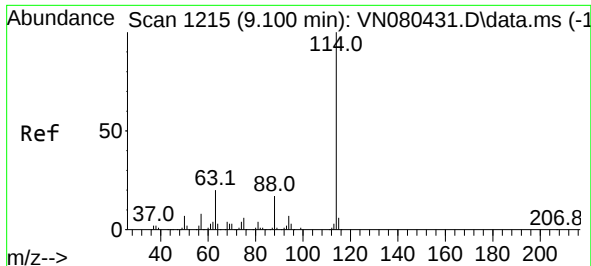
Tgt Ion:168 Resp: 204819  
Ion Ratio Lower Upper  
168 100  
99 71.2 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 54.805 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN080486.D  
Acq: 14 Dec 2023 16:39

Tgt Ion: 65 Resp: 143370  
Ion Ratio Lower Upper  
65 100  
67 48.8 0.0 106.6

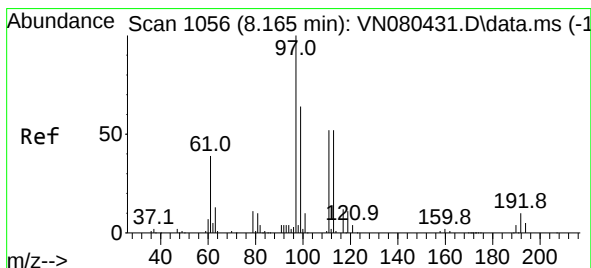
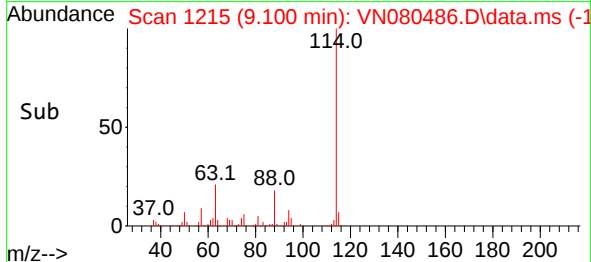
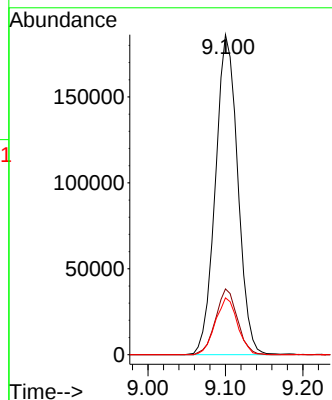
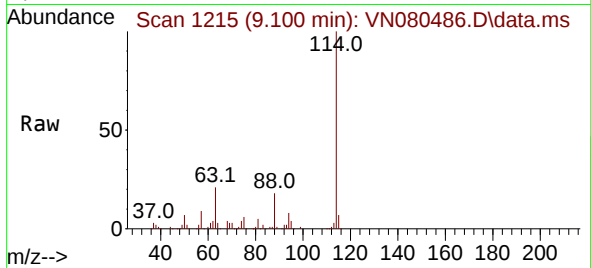




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN080486.D  
Acq: 14 Dec 2023 16:39

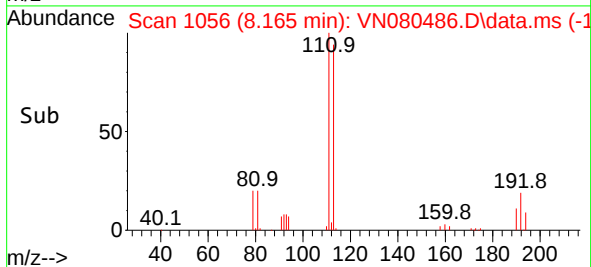
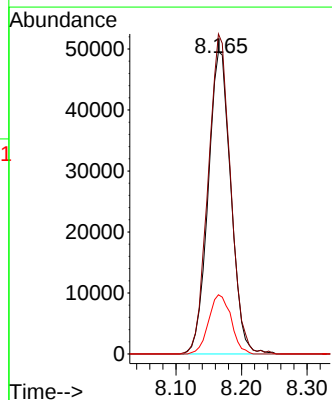
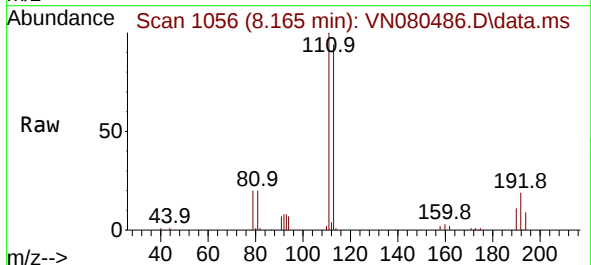
Instrument :  
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ClientSampleId :  
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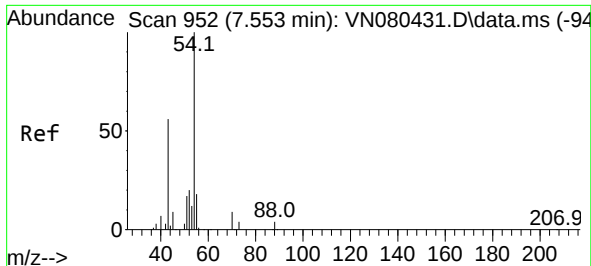
Tgt Ion:114 Resp: 373877  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 36.4  
88 17.8 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 50.329 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN080486.D  
Acq: 14 Dec 2023 16:39

Tgt Ion:113 Resp: 119306  
Ion Ratio Lower Upper  
113 100  
111 104.7 82.6 123.8  
192 19.3 12.7 19.1#





#37

Ethyl Acetate

Concen: 2.800 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN080486.D

Acq: 14 Dec 2023 16:39

Instrument :

MSVOA\_N

ClientSampleId :

A6931

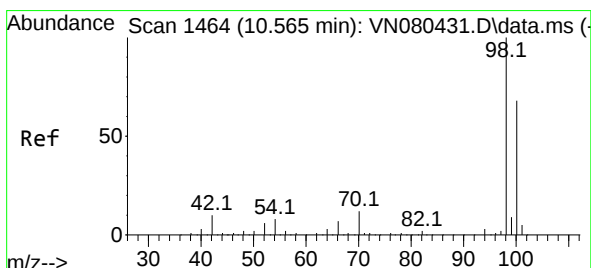
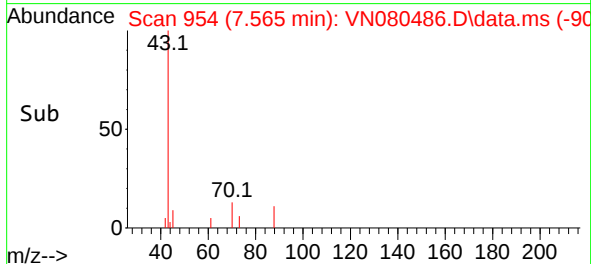
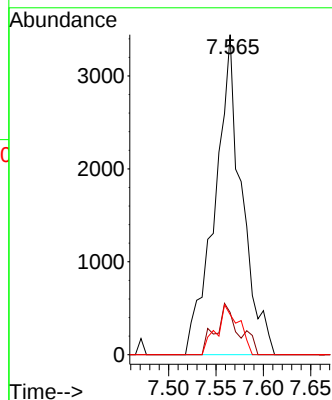
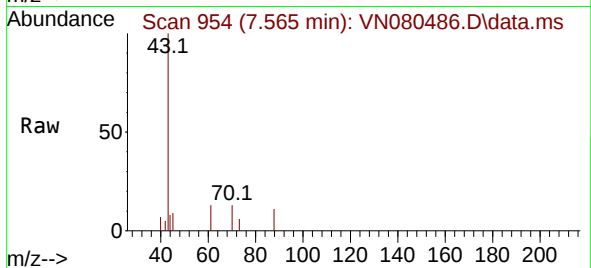
Tgt Ion: 43 Resp: 6795

Ion Ratio Lower Upper

43 100

61 13.7 13.2 19.8

70 12.9 11.3 16.9



#50

Toluene-d8

Concen: 48.541 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080486.D

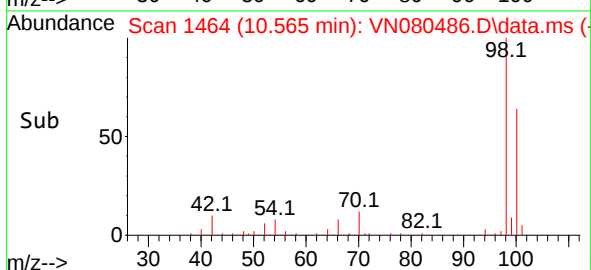
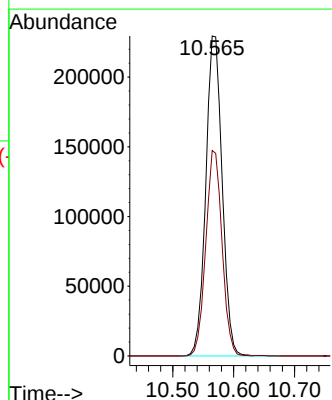
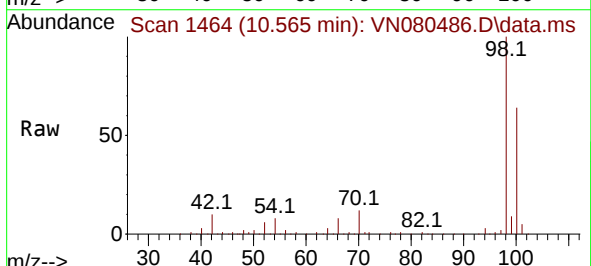
Acq: 14 Dec 2023 16:39

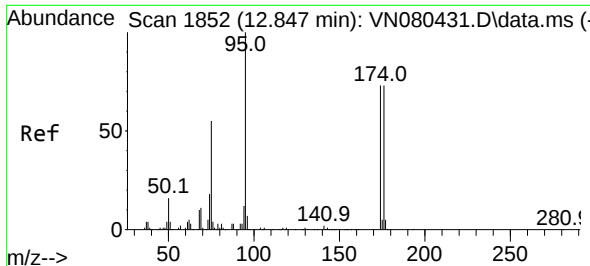
Tgt Ion: 98 Resp: 429146

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0

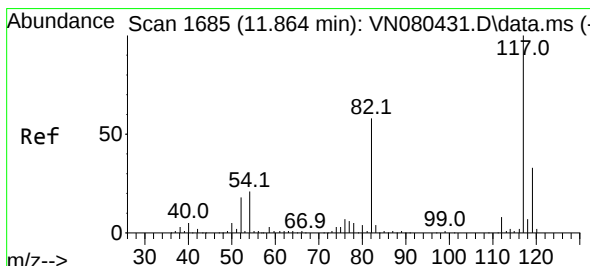
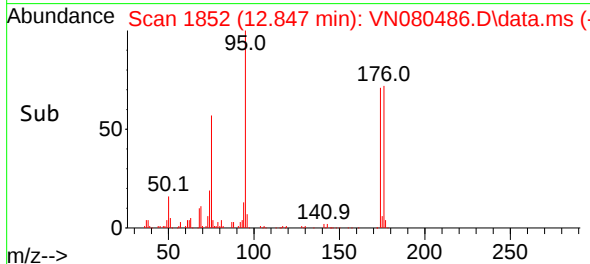
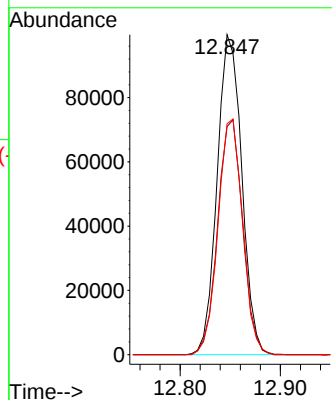
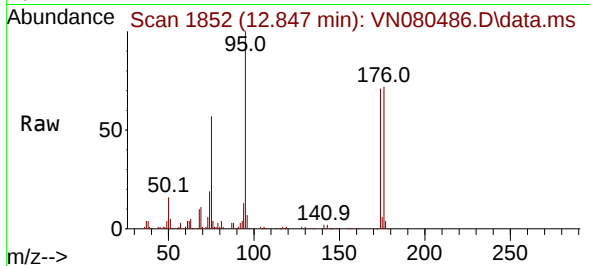




#62  
4-Bromofluorobenzene  
Concen: 50.661 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN080486.D  
Acq: 14 Dec 2023 16:39

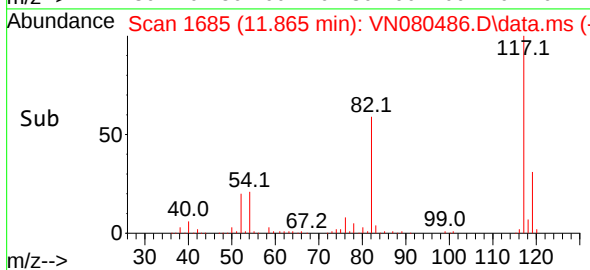
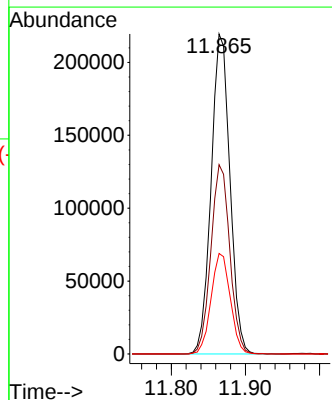
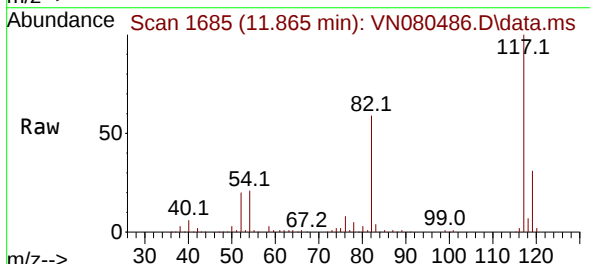
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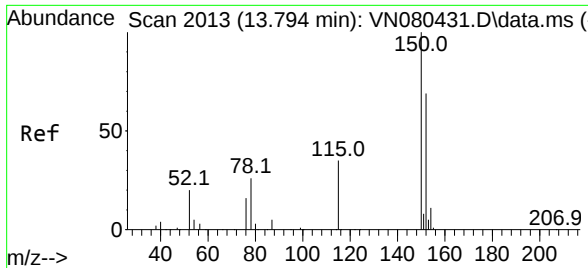
Tgt Ion: 95 Resp: 170075  
Ion Ratio Lower Upper  
95 100  
174 74.3 0.0 143.8  
176 73.6 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN080486.D  
Acq: 14 Dec 2023 16:39

Tgt Ion: 117 Resp: 386732  
Ion Ratio Lower Upper  
117 100  
82 59.1 44.0 66.0  
119 31.4 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: VN080486.D  
Acq: 14 Dec 2023 16:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 175928 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 64.5  | 32.3  | 96.8   |
| 150      | 154.6 | 0.0   | 355.8  |

