

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN103023\  
 Data File : VN079730.D  
 Acq On : 30 Oct 2023 18:18  
 Operator : JC\MD  
 Sample : PB156735TB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB156735TB

Quant Time: Oct 31 07:33:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103023W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 31 07:23:24 2023  
 Response via : Initial Calibration

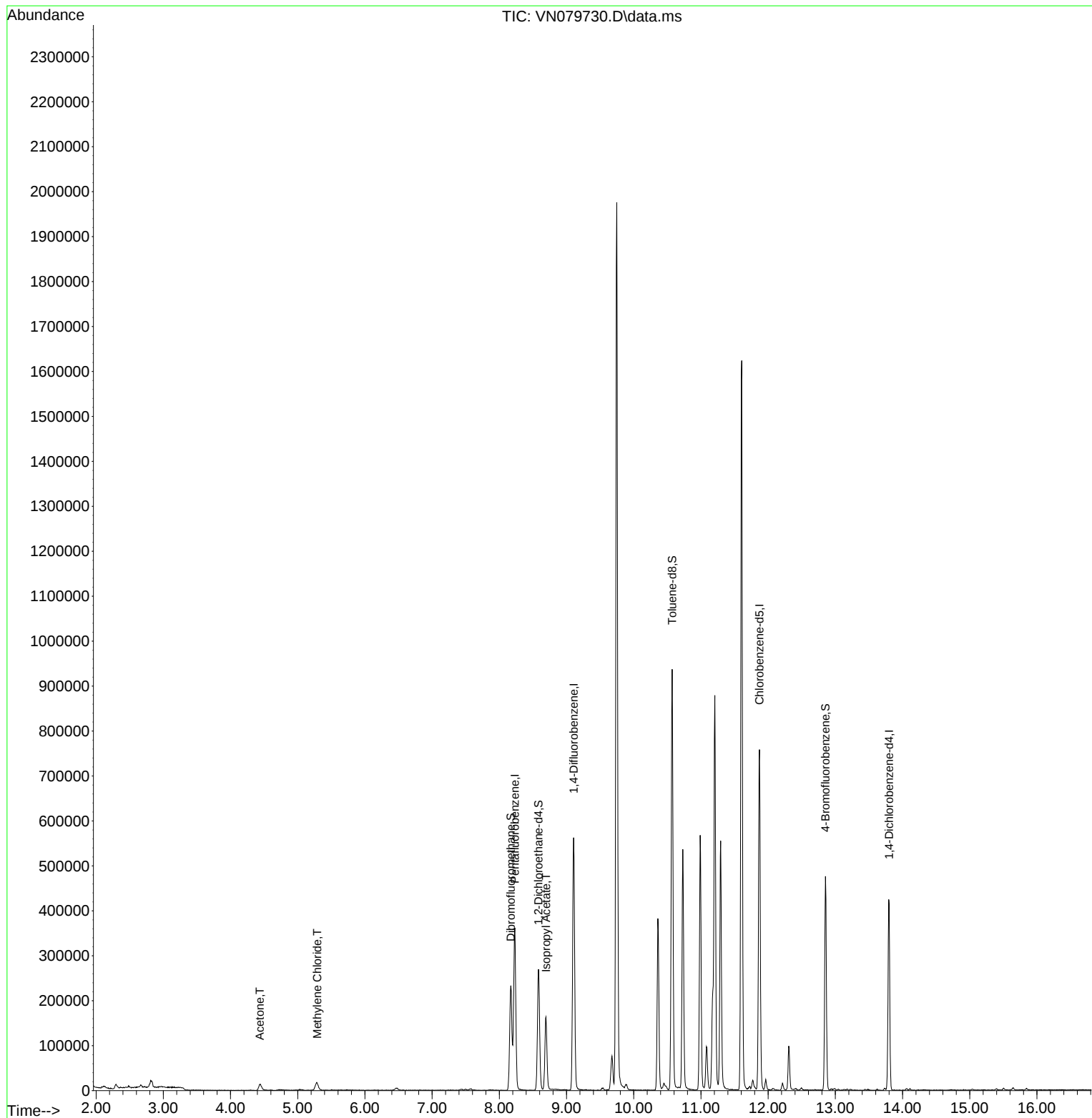
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.230     | 168   | 256156   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 480089   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.871    | 117   | 435179   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.800    | 152   | 111865   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.583     | 65    | 215725   | 52.442   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | = 104.880% |          |
| 35) Dibromofluoromethane    | 8.171     | 113   | 168080   | 48.996   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 98.000%  |          |
| 50) Toluene-d8              | 10.571    | 98    | 634151   | 49.588   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | = 99.180%  |          |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 160831   | 39.936   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | = 79.880%# |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.436     | 43    | 27222    | 15.468   | ug/l #     | 85       |
| 20) Methylene Chloride      | 5.289     | 84    | 13283    | 3.811    | ug/l #     | 87       |
| 43) Isopropyl Acetate       | 8.694     | 43    | 180983   | 22.442   | ug/l #     | 83       |
| -----                       |           |       |          |          |            |          |

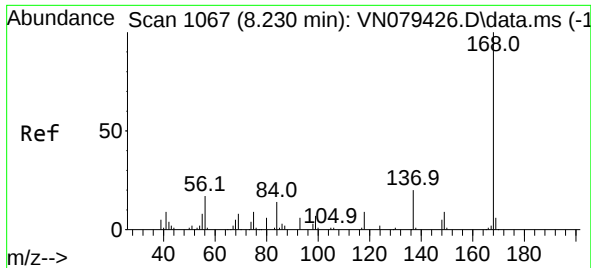
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103023W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 31 07:23:24 2023  
Response via : Initial Calibration

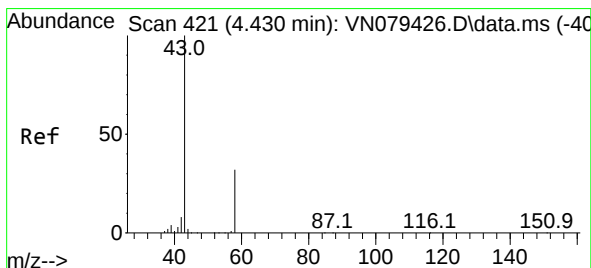
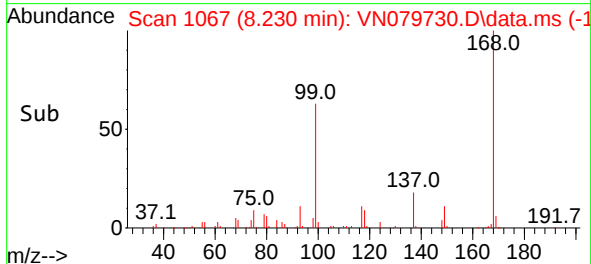
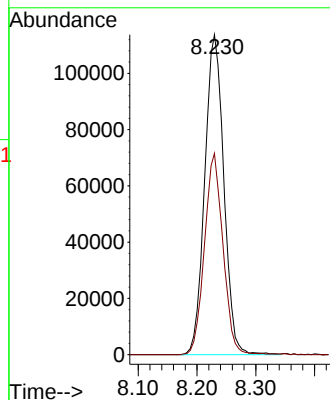
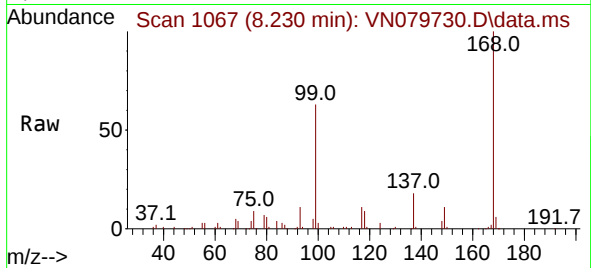




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN079730.D  
Acq: 30 Oct 2023 18:18

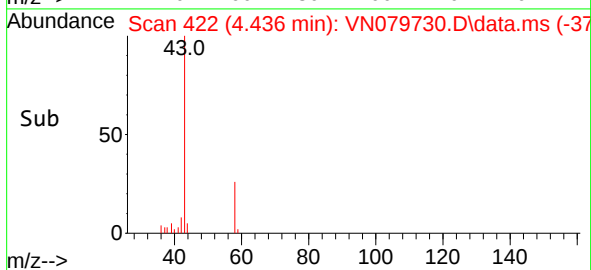
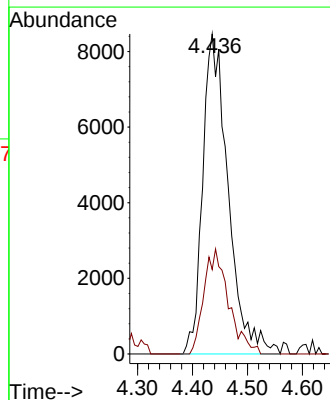
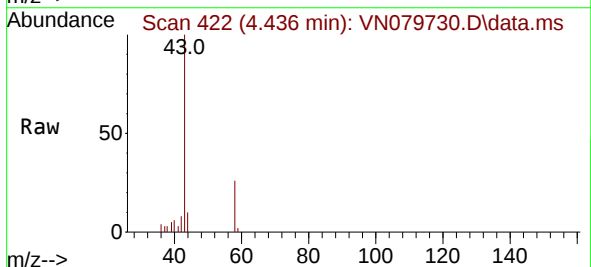
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB156735TB

Tgt Ion:168 Resp: 256156  
Ion Ratio Lower Upper  
168 100  
99 62.9 53.0 79.6



#16  
Acetone  
Concen: 15.468 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.006 min  
Lab File: VN079730.D  
Acq: 30 Oct 2023 18:18

Tgt Ion: 43 Resp: 27222  
Ion Ratio Lower Upper  
43 100  
58 26.4 28.0 42.0#

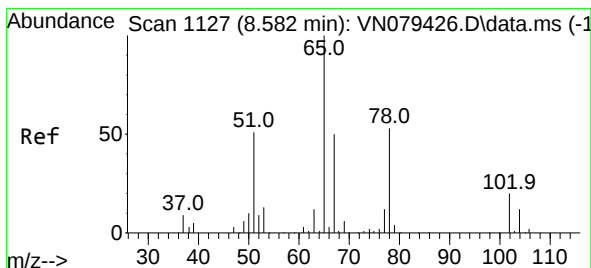
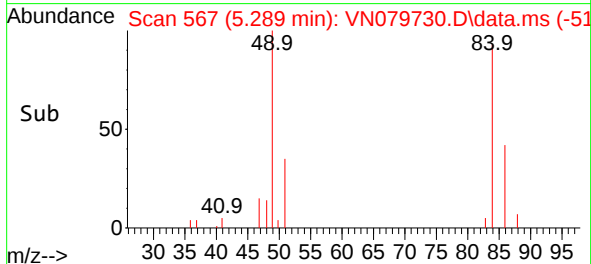
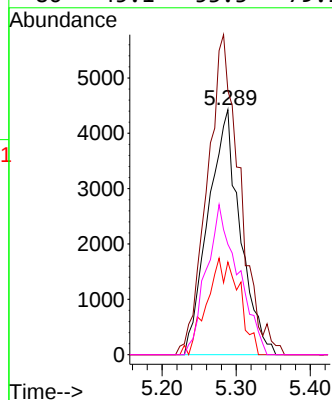
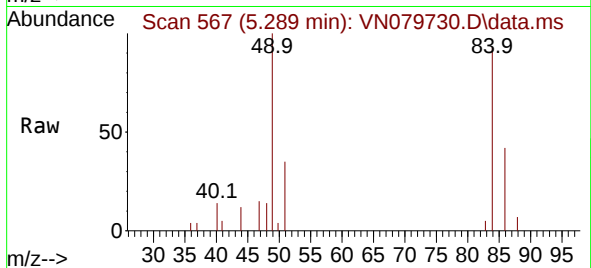




#20  
Methylene Chloride  
Concen: 3.811 ug/l  
RT: 5.289 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN079730.D  
Acq: 30 Oct 2023 18:18

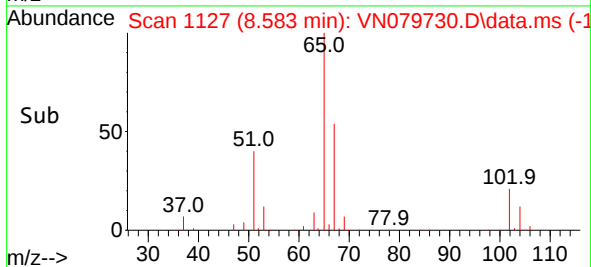
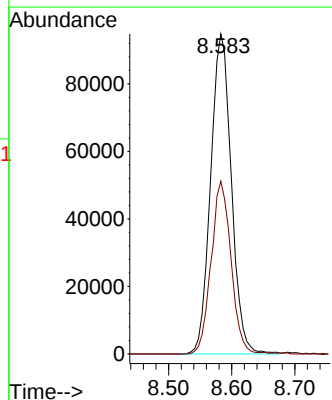
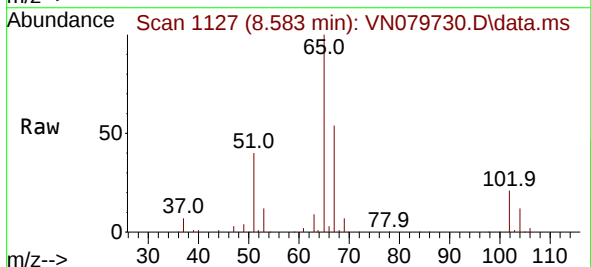
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB156735TB

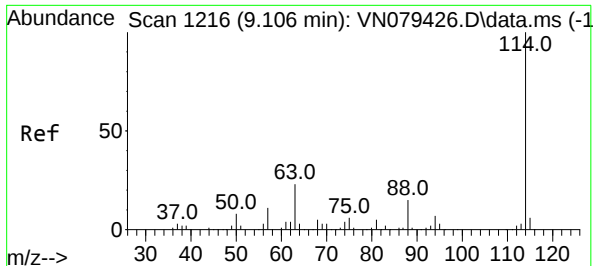
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 13283 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 104.3 | 79.7  | 119.5 |
| 51       | 37.8  | 25.2  | 37.8  |
| 86       | 45.1  | 53.3  | 79.9  |



#33  
1,2-Dichloroethane-d4  
Concen: 52.442 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.001 min  
Lab File: VN079730.D  
Acq: 30 Oct 2023 18:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 215725 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.9  | 0.0   | 106.6  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079730.D

Acq: 30 Oct 2023 18:18

Instrument :

MSVOA\_N

ClientSampleId :

PB156735TB

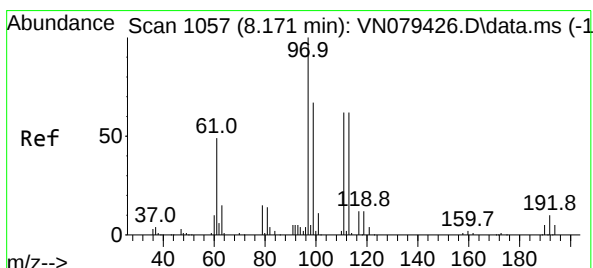
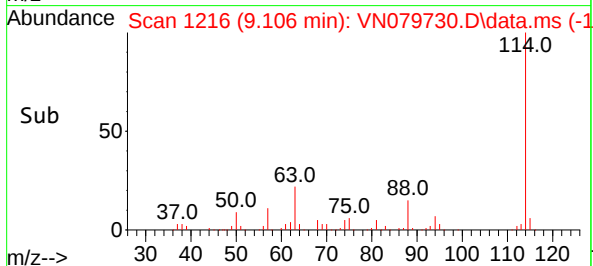
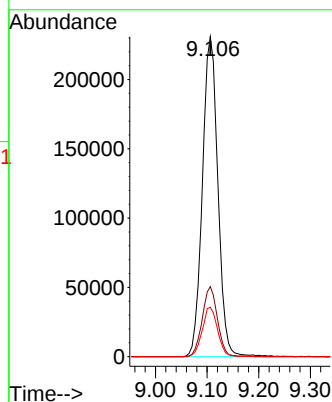
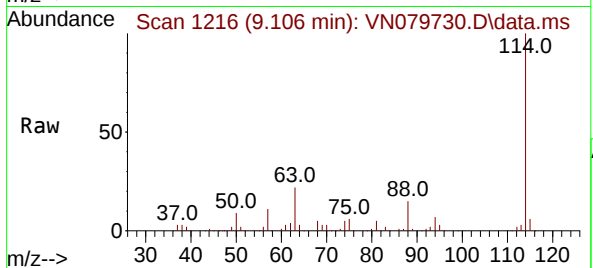
Tgt Ion:114 Resp: 480089

Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.996 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079730.D

Acq: 30 Oct 2023 18:18

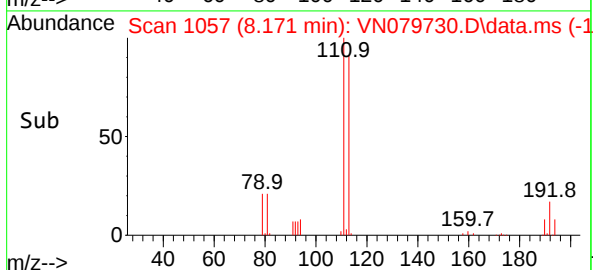
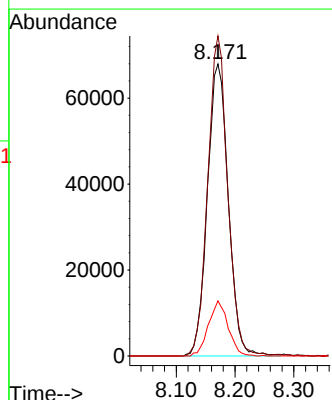
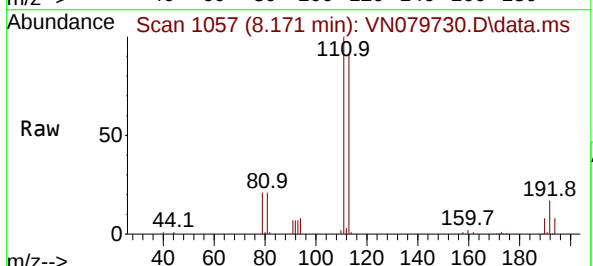
Tgt Ion:113 Resp: 168080

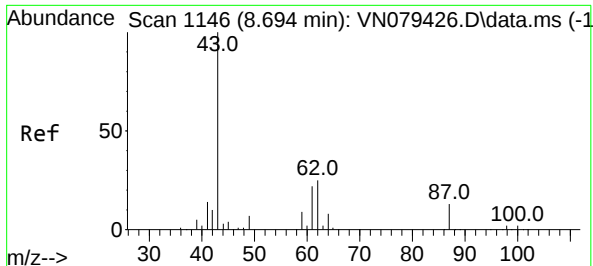
Ion Ratio Lower Upper

113 100

111 104.0 82.6 123.8

192 17.7 12.7 19.1

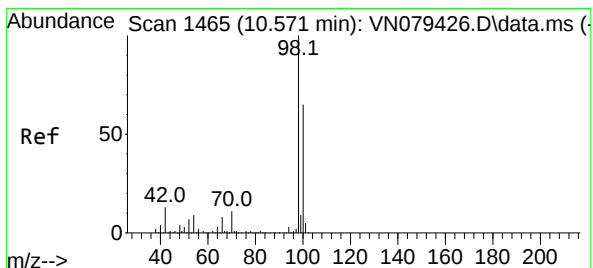
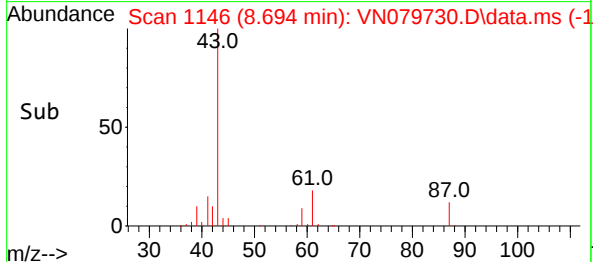
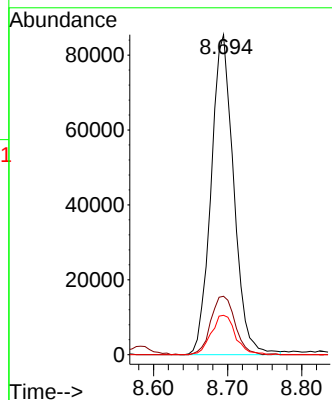
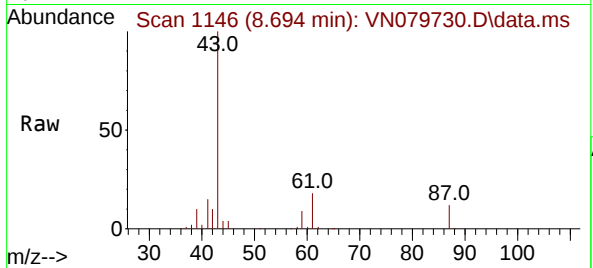




#43  
Isopropyl Acetate  
Concen: 22.442 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN079730.D  
Acq: 30 Oct 2023 18:18

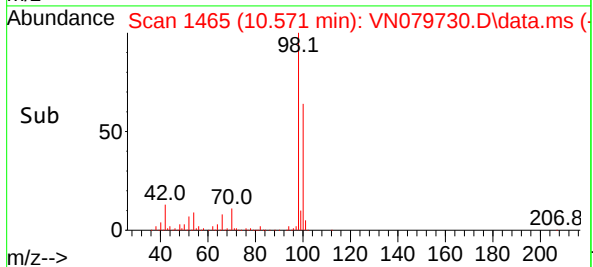
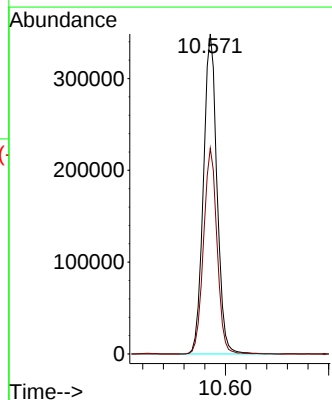
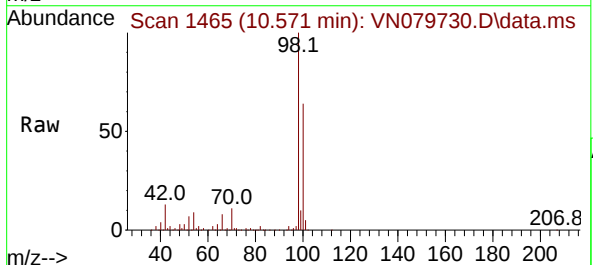
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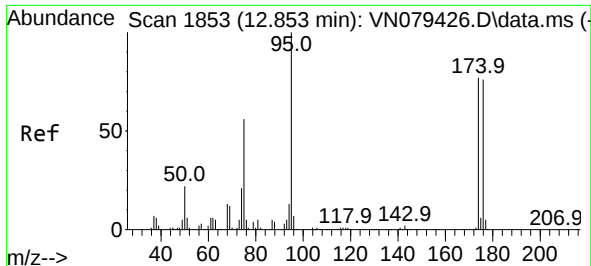
Tgt Ion: 43 Resp: 180983  
Ion Ratio Lower Upper  
43 100  
61 19.5 24.7 37.1#  
87 13.1 14.6 21.8#



#50  
Toluene-d8  
Concen: 49.588 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN079730.D  
Acq: 30 Oct 2023 18:18

Tgt Ion: 98 Resp: 634151  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.0 78.0

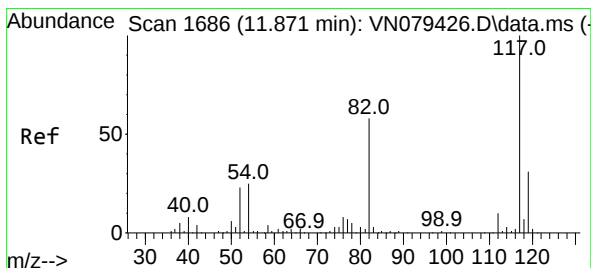
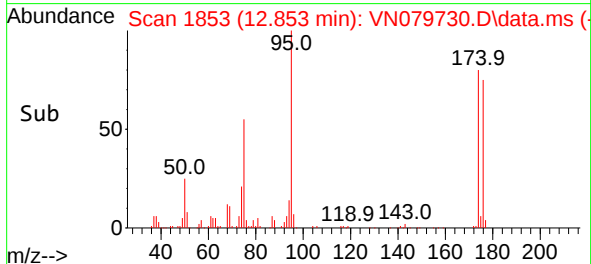
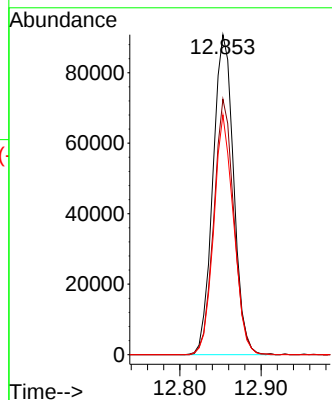
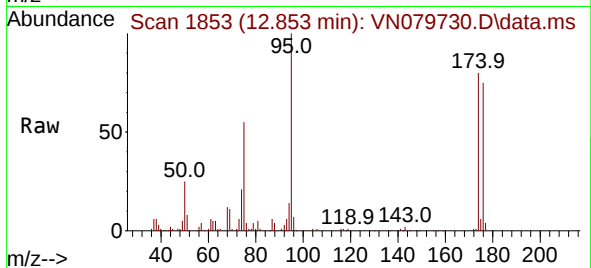




#62  
4-Bromofluorobenzene  
Concen: 39.936 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079730.D  
Acq: 30 Oct 2023 18:18

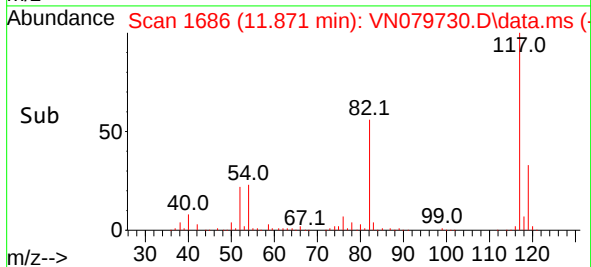
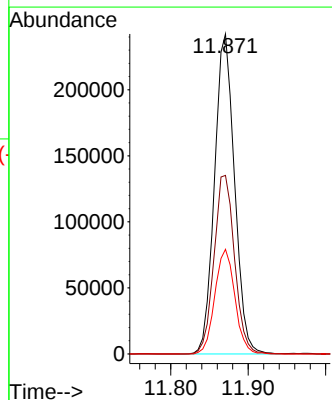
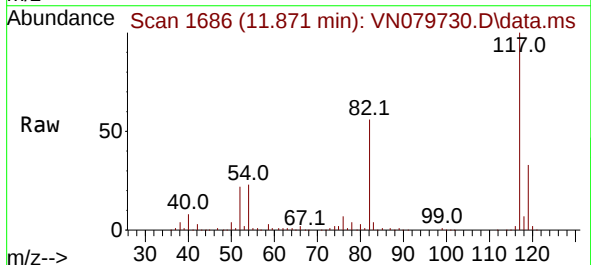
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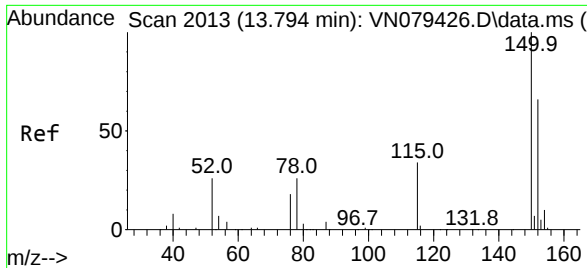
Tgt Ion: 95 Resp: 160831  
Ion Ratio Lower Upper  
95 100  
174 77.7 0.0 143.8  
176 72.1 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN079730.D  
Acq: 30 Oct 2023 18:18

Tgt Ion: 117 Resp: 435179  
Ion Ratio Lower Upper  
117 100  
82 55.8 44.0 66.0  
119 32.7 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.800 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VN079730.D  
 Acq: 30 Oct 2023 18:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB156735TB

Tgt Ion:152 Resp: 111865  
 Ion Ratio Lower Upper  
 152 100  
 115 62.5 32.3 96.8  
 150 157.7 0.0 355.8

