

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN093023\  
 Data File : VN079392.D  
 Acq On : 30 Sep 2023 17:22  
 Operator : JC\MD  
 Sample : PB155992ZHE#12  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB155992ZHE#12

Quant Time: Oct 02 01:58:54 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091123W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 12 05:05:24 2023  
 Response via : Initial Calibration

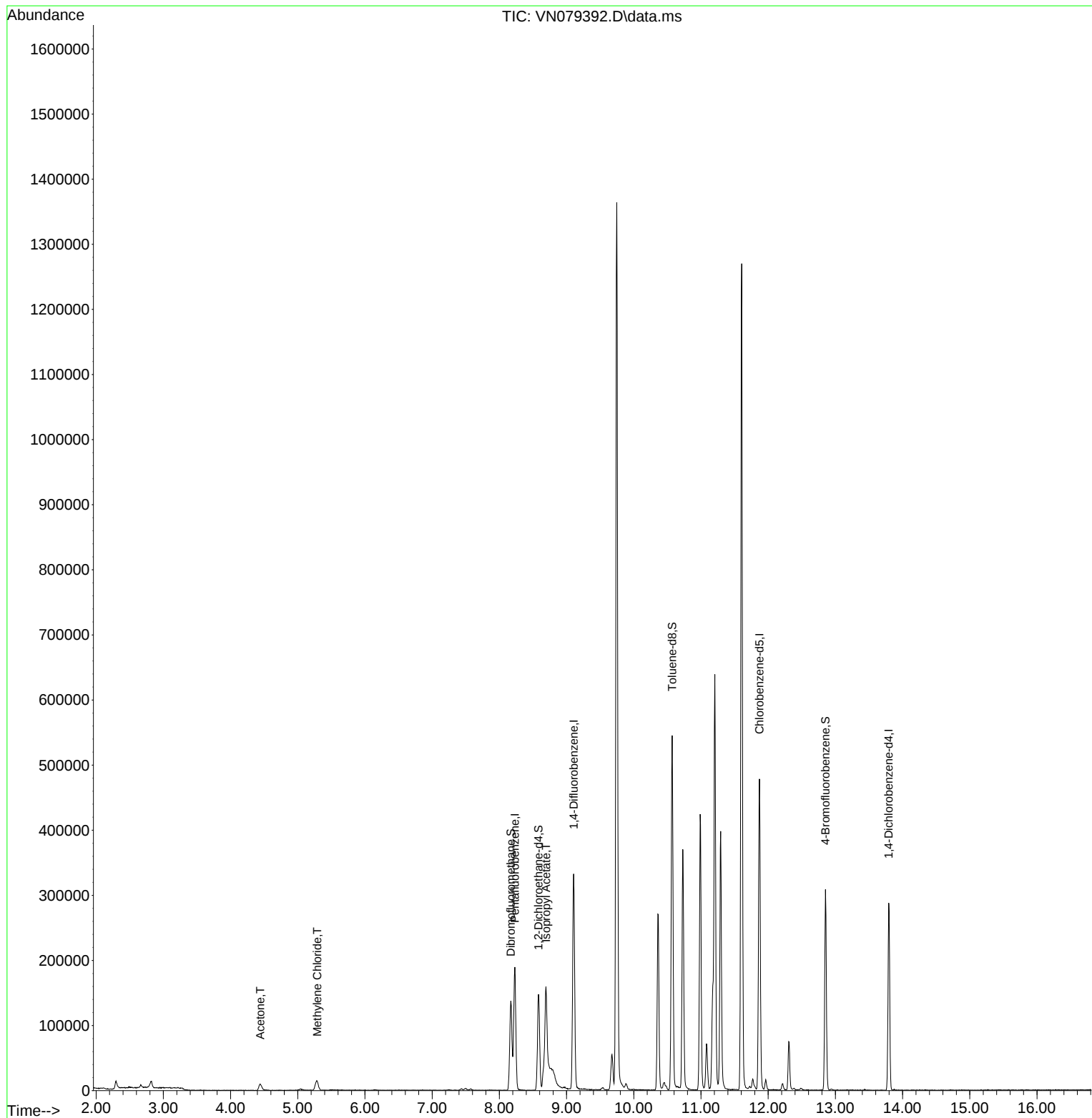
| Compound                    | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                       |           |       |          |          |             |          |
| Internal Standards          |           |       |          |          |             |          |
| 1) Pentafluorobenzene       | 8.230     | 168   | 130390   | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 278333   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.871    | 117   | 276931   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 74858    | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |           |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.583     | 65    | 122209   | 69.431   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | = 138.860%# |          |
| 35) Dibromofluoromethane    | 8.171     | 113   | 97698    | 52.769   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 105.540%  |          |
| 50) Toluene-d8              | 10.571    | 98    | 364520   | 53.621   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | = 107.240%  |          |
| 62) 4-Bromofluorobenzene    | 12.853    | 95    | 103395   | 47.681   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | = 95.360%   |          |
| Target Compounds            |           |       |          |          |             |          |
|                             |           |       |          |          |             | Qvalue   |
| 16) Acetone                 | 4.442     | 43    | 20022    | 26.784   | ug/l        | 99       |
| 20) Methylene Chloride      | 5.289     | 84    | 11931    | 6.559    | ug/l #      | 80       |
| 43) Isopropyl Acetate       | 8.694     | 43    | 269785   | 58.088   | ug/l #      | 66       |
| -----                       |           |       |          |          |             |          |

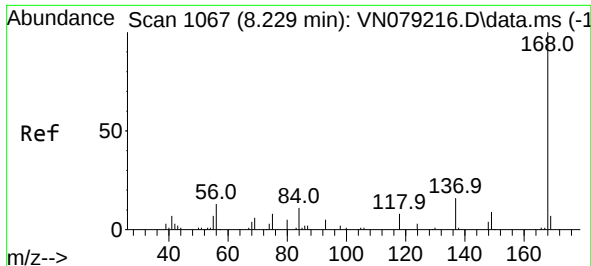
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
ClientSampleId :  
PB155992ZHE#12

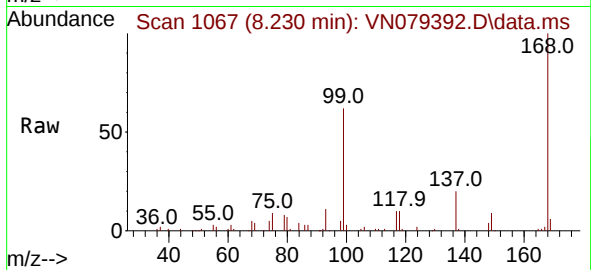
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091123W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 12 05:05:24 2023  
Response via : Initial Calibration



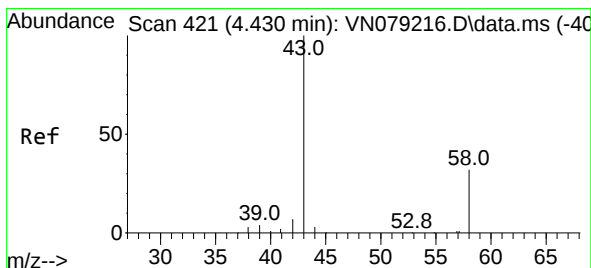
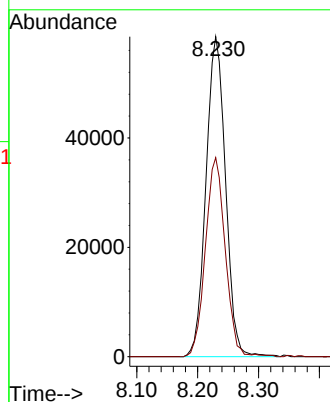
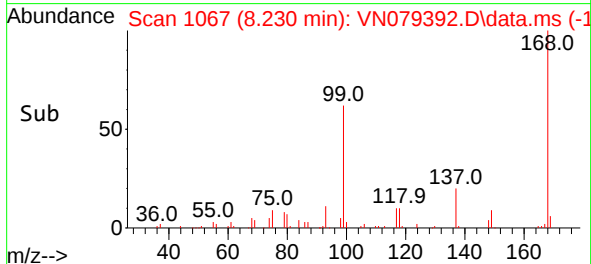


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.000 min  
Lab File: VN079392.D  
Acq: 30 Sep 2023 17:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB155992ZHE#12

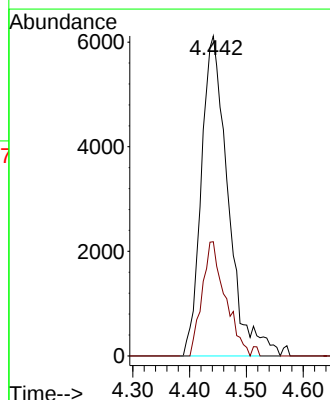
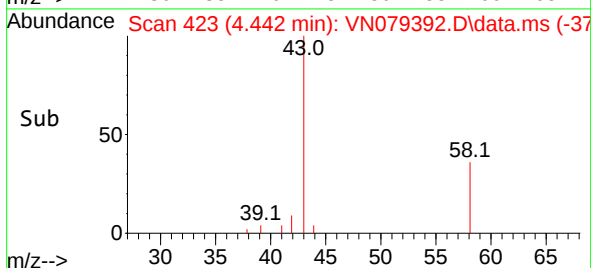
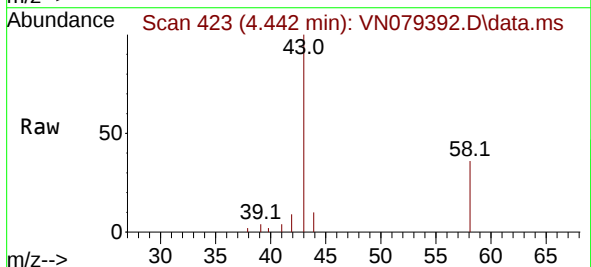


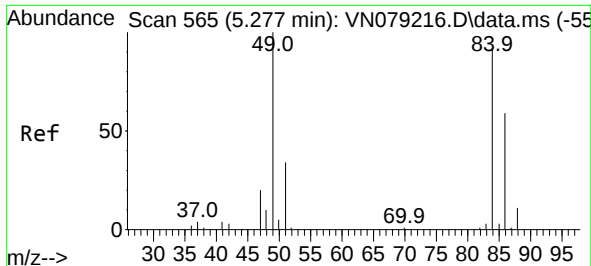
Tgt Ion:168 Resp: 130390  
Ion Ratio Lower Upper  
168 100  
99 62.2 53.0 79.6



#16  
Acetone  
Concen: 26.784 ug/l  
RT: 4.442 min Scan# 423  
Delta R.T. -0.000 min  
Lab File: VN079392.D  
Acq: 30 Sep 2023 17:22

Tgt Ion: 43 Resp: 20022  
Ion Ratio Lower Upper  
43 100  
58 35.7 28.0 42.0



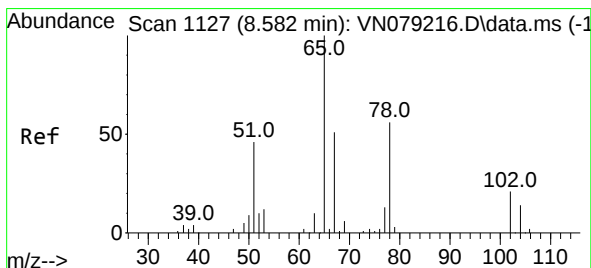
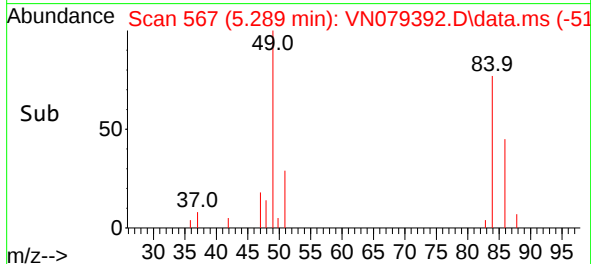
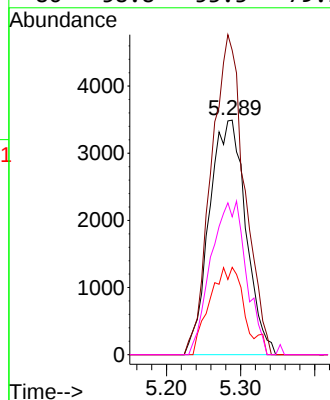
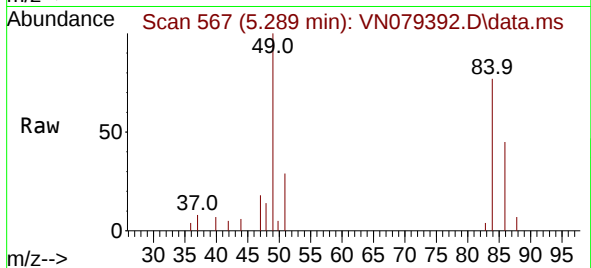


#20  
Methylene Chloride  
Concen: 6.559 ug/l  
RT: 5.289 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN079392.D  
Acq: 30 Sep 2023 17:22

Instrument :  
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ClientSampleId :  
PB155992ZHE#12

Tgt Ion: 84 Resp: 11931

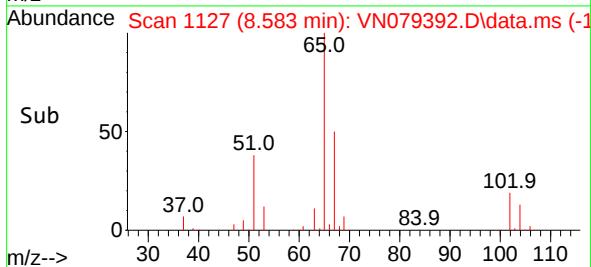
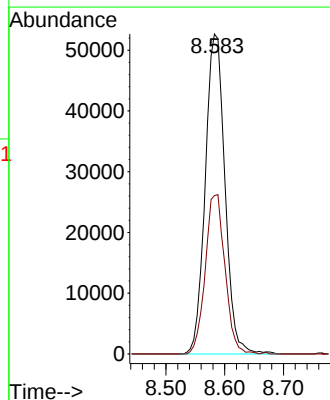
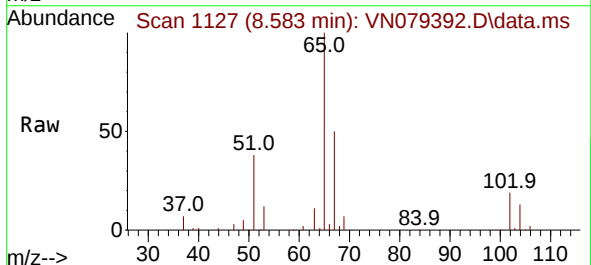
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 129.7 | 79.7  | 119.5# |
| 51  | 37.2  | 25.2  | 37.8   |
| 86  | 58.8  | 53.3  | 79.9   |

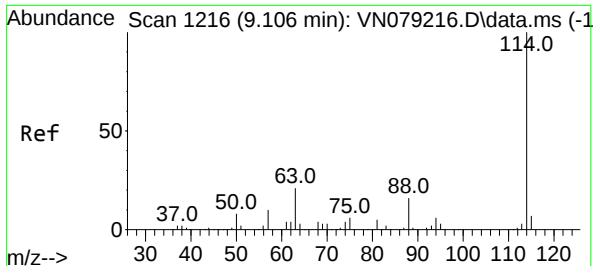


#33  
1,2-Dichloroethane-d4  
Concen: 69.431 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VN079392.D  
Acq: 30 Sep 2023 17:22

Tgt Ion: 65 Resp: 122209

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 49.8  | 0.0   | 106.6 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079392.D

Acq: 30 Sep 2023 17:22

Instrument :

MSVOA\_N

ClientSampleId :

PB155992ZHE#12

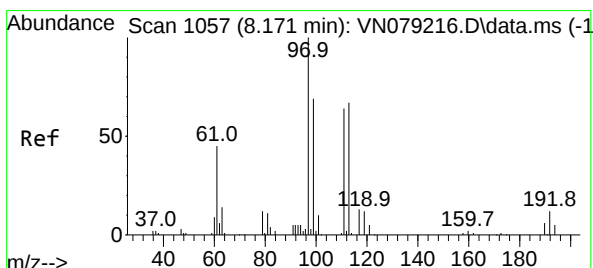
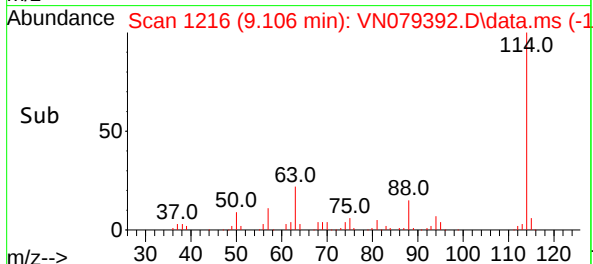
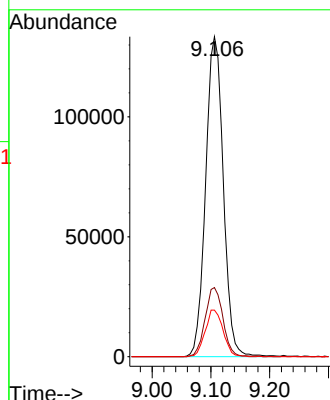
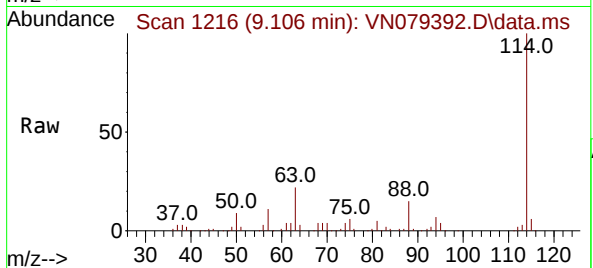
Tgt Ion:114 Resp: 278333

Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.769 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079392.D

Acq: 30 Sep 2023 17:22

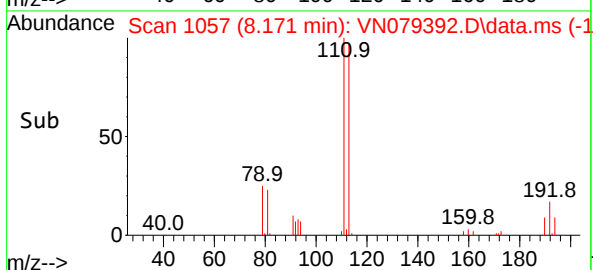
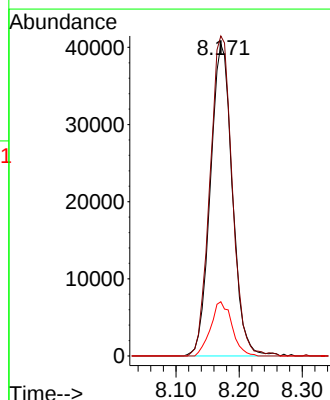
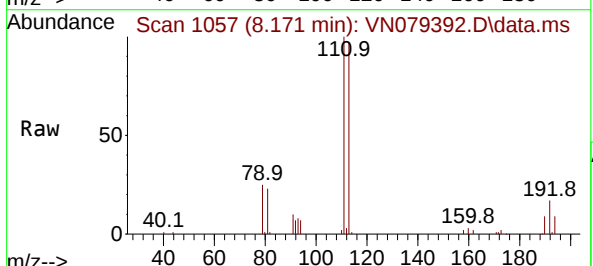
Tgt Ion:113 Resp: 97698

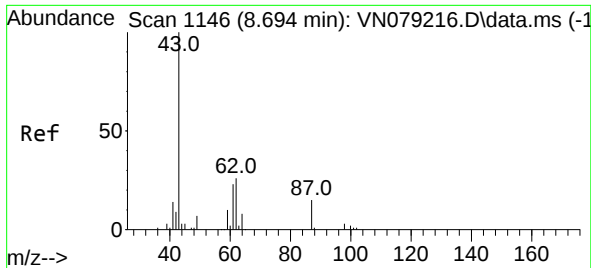
Ion Ratio Lower Upper

113 100

111 104.3 82.6 123.8

192 16.9 12.7 19.1

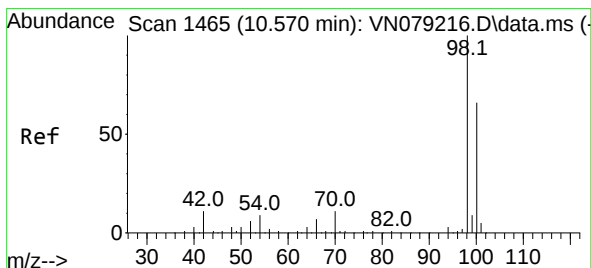
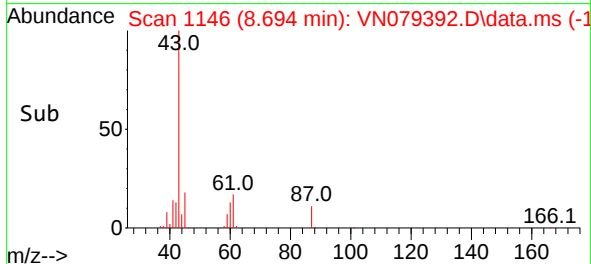
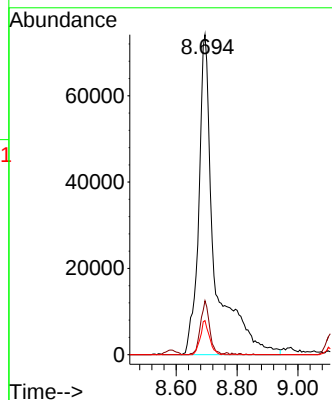
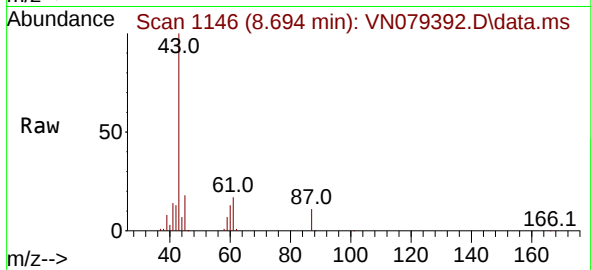




#43  
Isopropyl Acetate  
Concen: 58.088 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN079392.D  
Acq: 30 Sep 2023 17:22

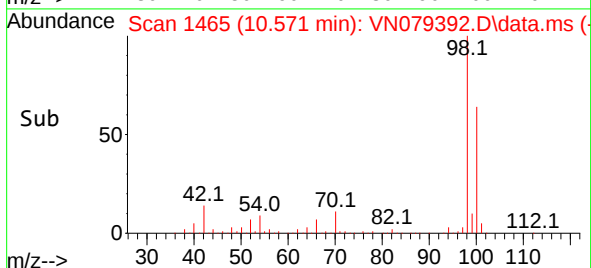
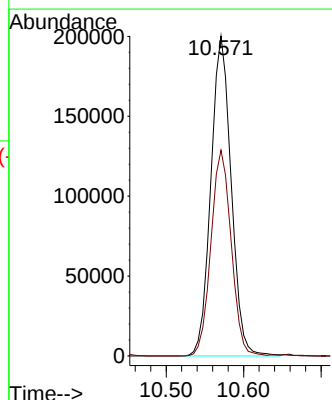
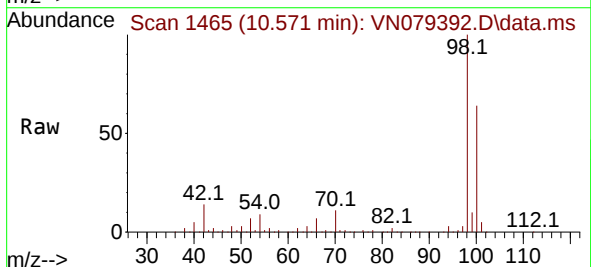
Instrument :  
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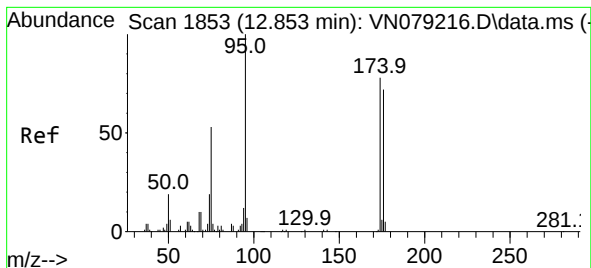
Tgt Ion: 43 Resp: 269785  
Ion Ratio Lower Upper  
43 100  
61 9.7 24.7 37.1#  
87 6.1 14.6 21.8#



#50  
Toluene-d8  
Concen: 53.621 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN079392.D  
Acq: 30 Sep 2023 17:22

Tgt Ion: 98 Resp: 364520  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.0 78.0

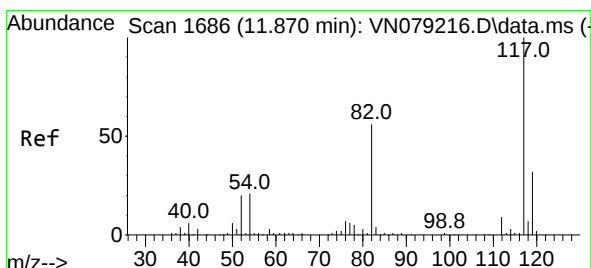
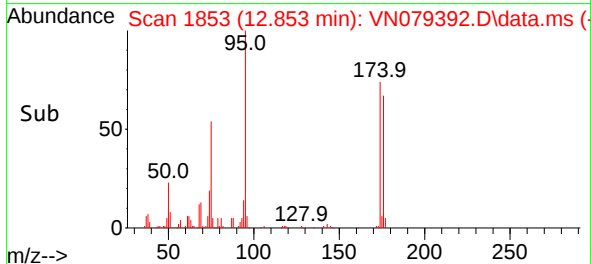
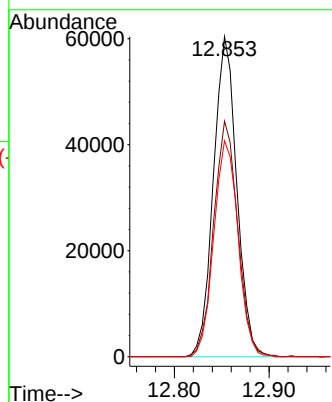
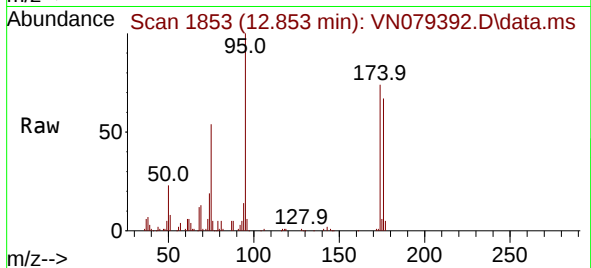




#62  
4-Bromofluorobenzene  
Concen: 47.681 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079392.D  
Acq: 30 Sep 2023 17:22

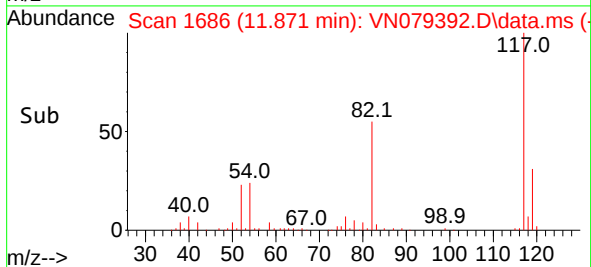
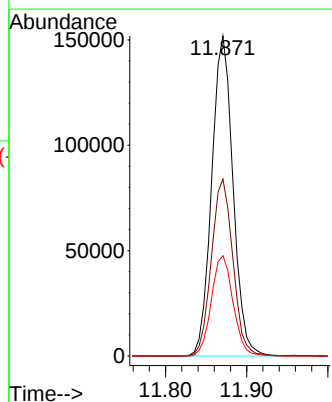
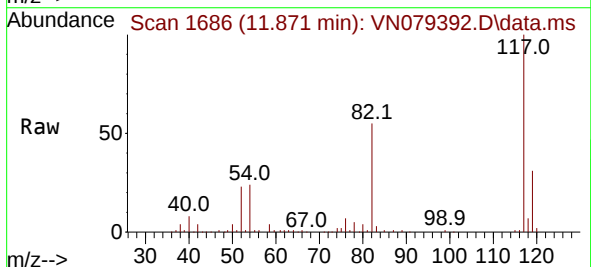
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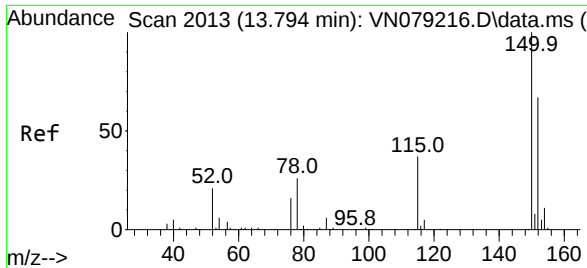
Tgt Ion: 95 Resp: 103395  
Ion Ratio Lower Upper  
95 100  
174 75.9 0.0 143.8  
176 70.0 0.0 135.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN079392.D  
Acq: 30 Sep 2023 17:22

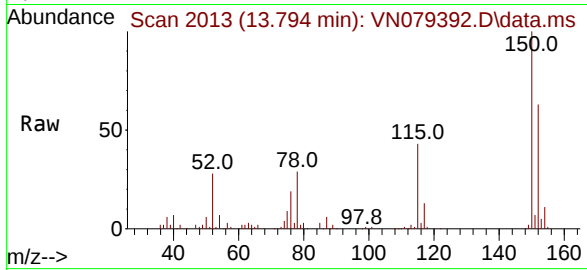
Tgt Ion: 117 Resp: 276931  
Ion Ratio Lower Upper  
117 100  
82 55.3 44.0 66.0  
119 31.4 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN079392.D  
 Acq: 30 Sep 2023 17:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB155992ZHE#12



Tgt Ion:152 Resp: 74858  
 Ion Ratio Lower Upper  
 152 100  
 115 62.4 32.3 96.8  
 150 158.0 0.0 355.8

