

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101723\  
 Data File : VX038331.D  
 Acq On : 17 Oct 2023 15:54  
 Operator : JC/MD  
 Sample : PB156409ZHE#04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB156409ZHE#04

Quant Time: Oct 18 04:00:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 05 15:27:13 2023  
 Response via : Initial Calibration

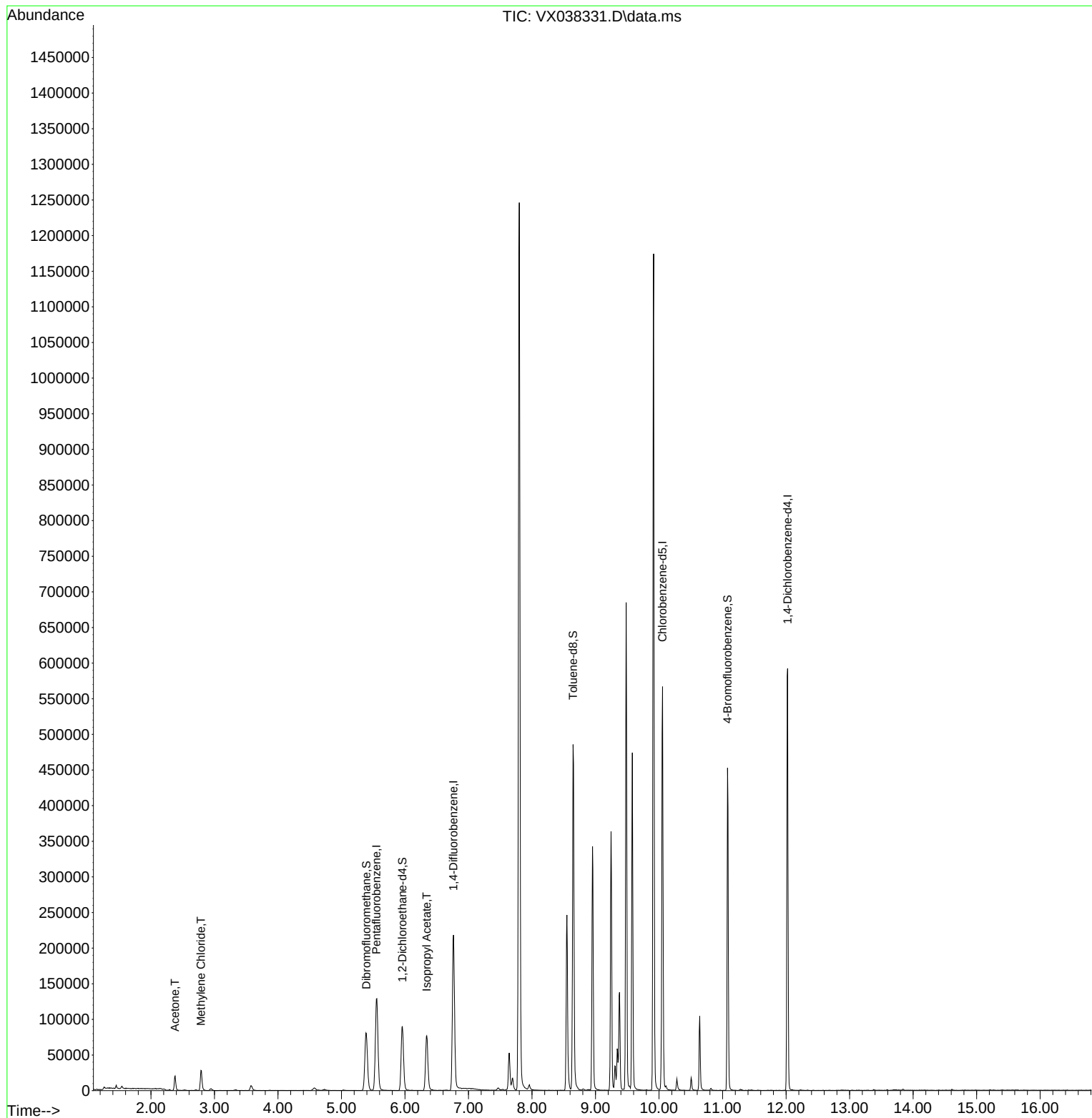
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.550  | 168   | 121651   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 226862   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 246003   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 123076   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 87692    | 44.817   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 89.640%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 70782    | 43.300   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 86.600%  |
| 50) Toluene-d8              | 8.647  | 98    | 292638   | 46.848   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 93.700%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 114483   | 48.343   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 96.680%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.380  | 43    | 21138    | 25.885   | ug/l # | 89       |
| 20) Methylene Chloride      | 2.788  | 84    | 13866    | 9.027    | ug/l # | 92       |
| 43) Isopropyl Acetate       | 6.342  | 43    | 106345   | 26.609   | ug/l   | 97       |
| -----                       |        |       |          |          |        |          |

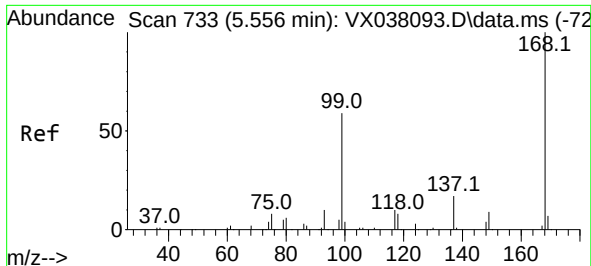
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 05 15:27:13 2023  
Response via : Initial Calibration

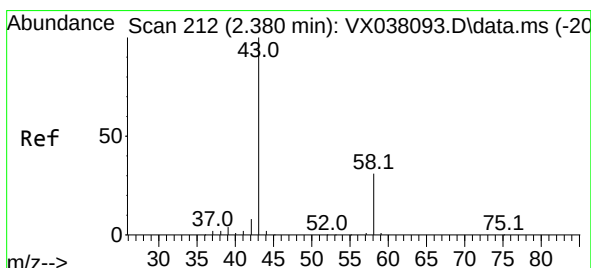
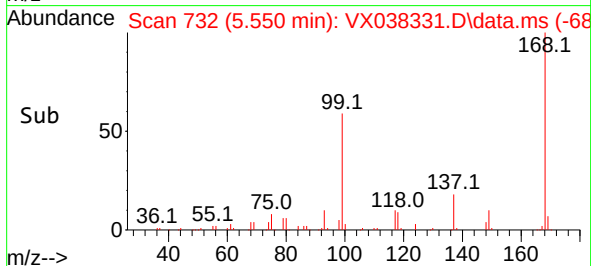
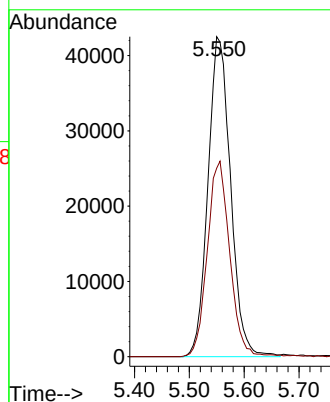
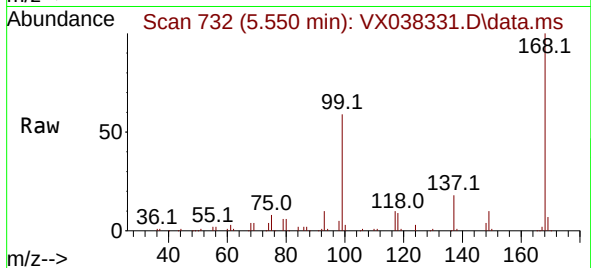




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX038331.D  
Acq: 17 Oct 2023 15:54

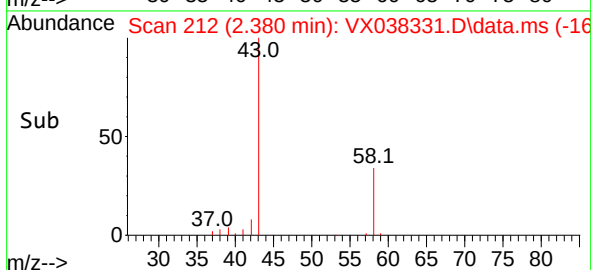
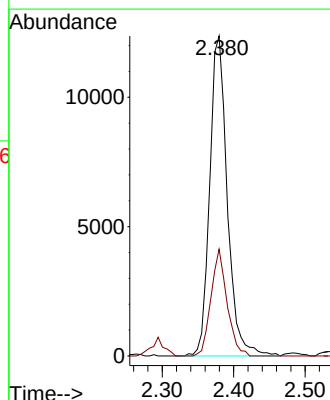
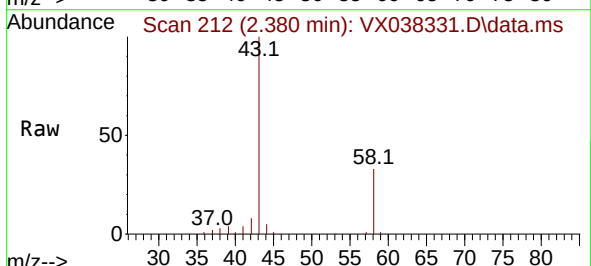
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB156409ZHE#04

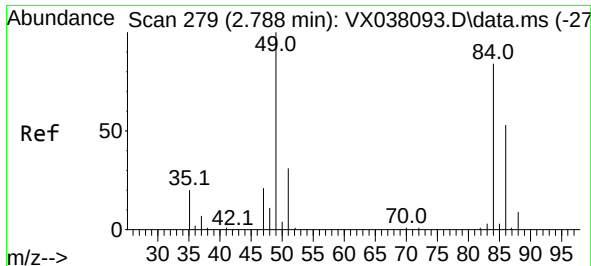
Tgt Ion:168 Resp: 121651  
Ion Ratio Lower Upper  
168 100  
99 58.9 56.6 85.0



#16  
Acetone  
Concen: 25.885 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX038331.D  
Acq: 17 Oct 2023 15:54

Tgt Ion: 43 Resp: 21138  
Ion Ratio Lower Upper  
43 100  
58 33.3 21.9 32.9#

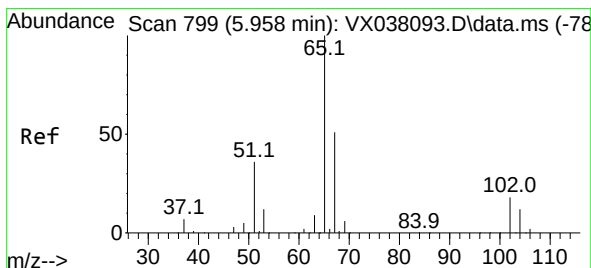
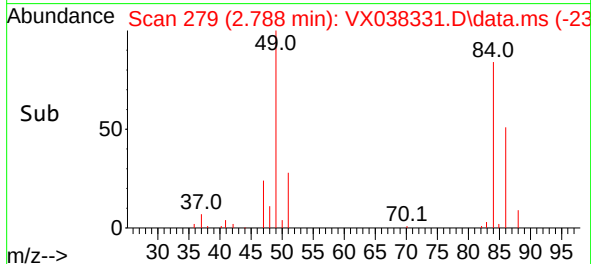
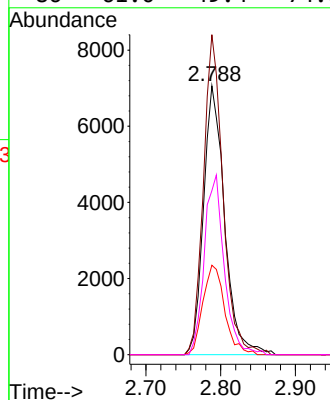
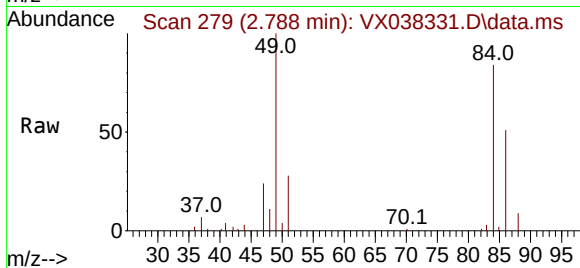




#20  
Methylene Chloride  
Concen: 9.027 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX038331.D  
Acq: 17 Oct 2023 15:54

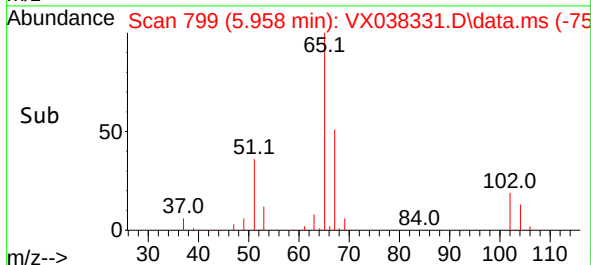
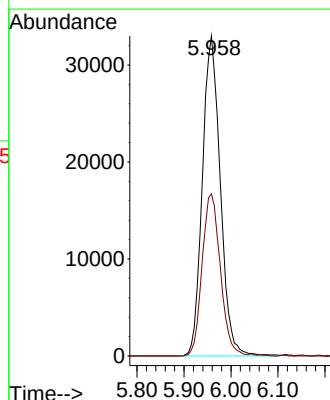
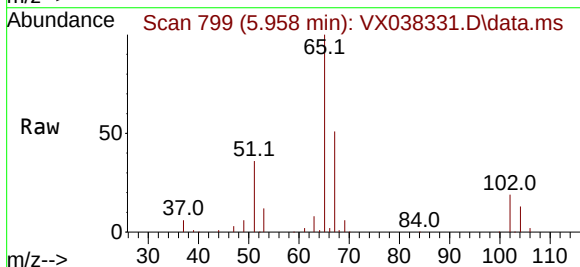
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB156409ZHE#04

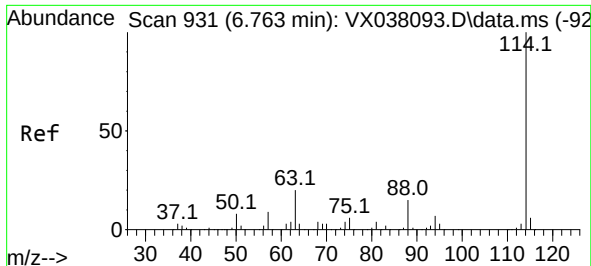
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 13866 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 119.0    | 103.6 155.4 |
| 51 33.3     | 33.8 50.6#  |
| 86 61.0     | 49.4 74.0   |



#33  
1,2-Dichloroethane-d4  
Concen: 44.817 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX038331.D  
Acq: 17 Oct 2023 15:54

|             |             |
|-------------|-------------|
| Tgt Ion: 65 | Resp: 87692 |
| Ion Ratio   | Lower Upper |
| 65 100      |             |
| 67 51.6     | 0.0 100.2   |

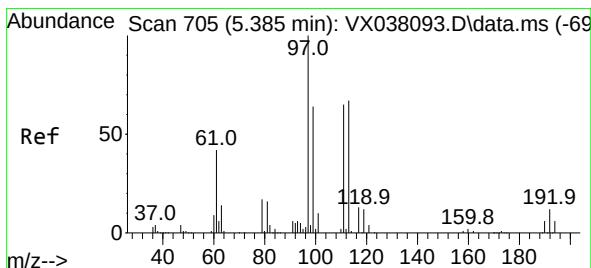
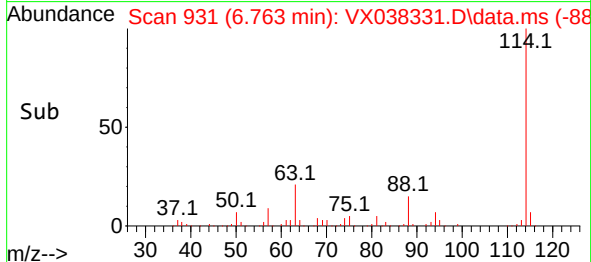
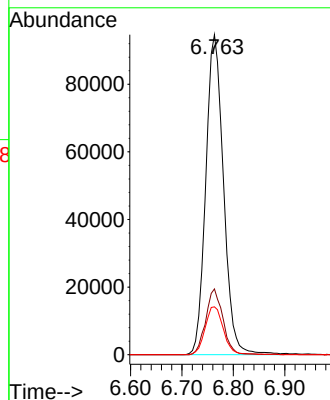
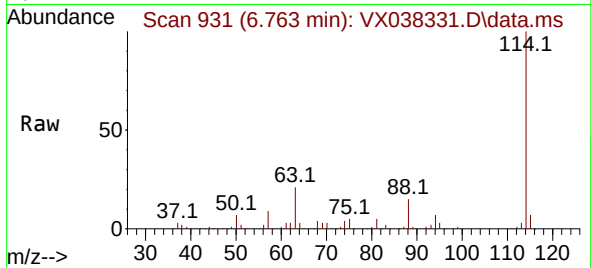




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX038331.D  
Acq: 17 Oct 2023 15:54

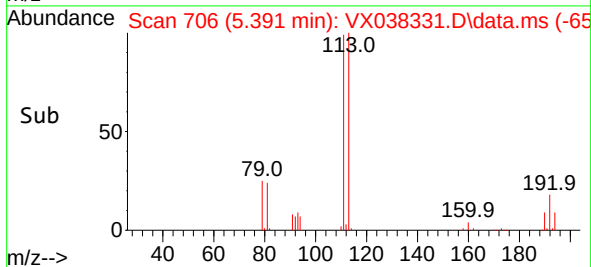
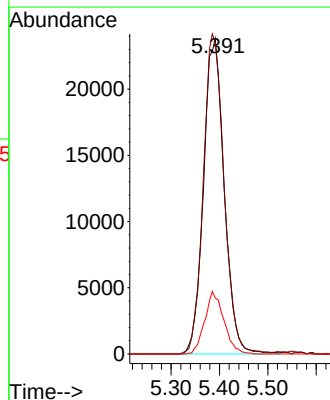
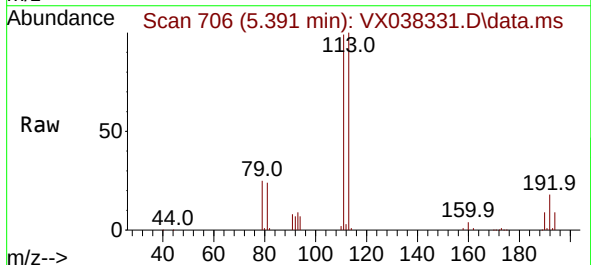
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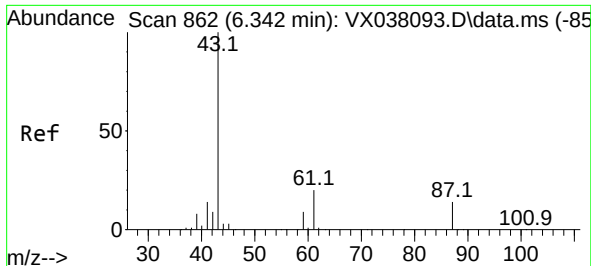
Tgt Ion:114 Resp: 226862  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 45.0  
88 14.9 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 43.300 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX038331.D  
Acq: 17 Oct 2023 15:54

Tgt Ion:113 Resp: 70782  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.9 124.3  
192 18.3 13.3 19.9

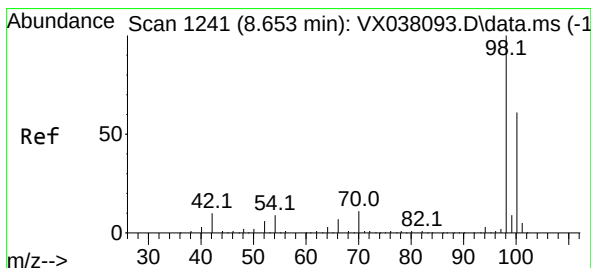
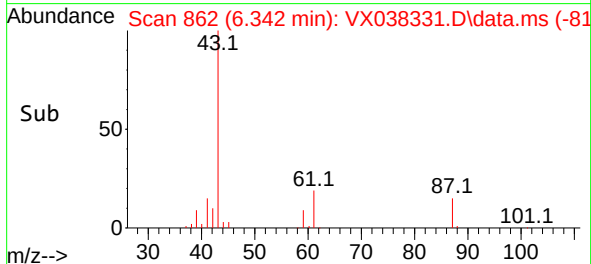
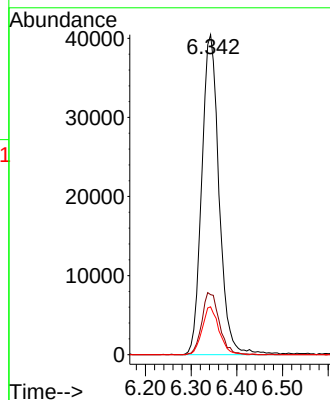
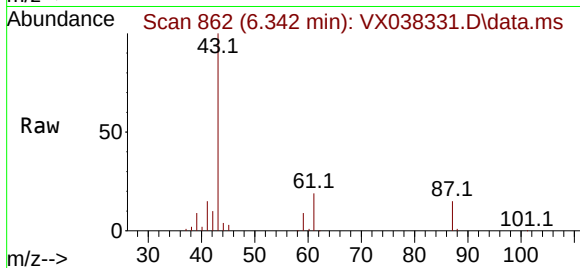




#43  
Isopropyl Acetate  
Concen: 26.609 ug/l  
RT: 6.342 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VX038331.D  
Acq: 17 Oct 2023 15:54

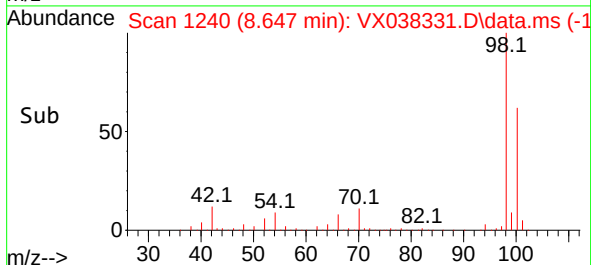
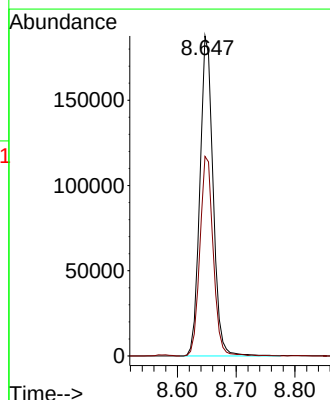
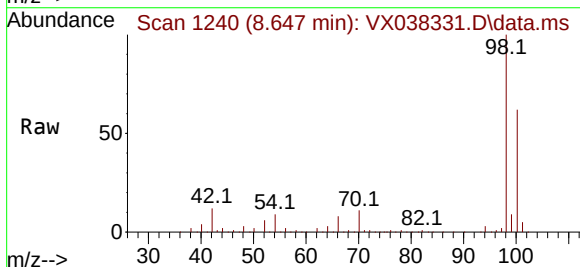
Instrument :  
MSVOA\_X  
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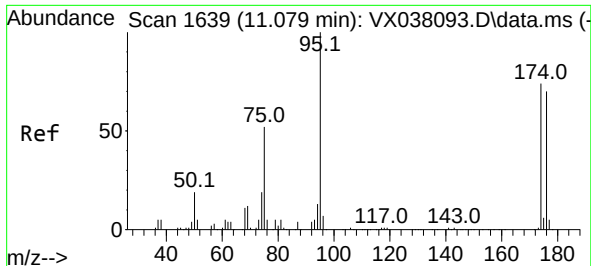
Tgt Ion: 43 Resp: 106345  
Ion Ratio Lower Upper  
43 100  
61 19.6 15.2 22.8  
87 14.5 9.8 14.6



#50  
Toluene-d8  
Concen: 46.848 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX038331.D  
Acq: 17 Oct 2023 15:54

Tgt Ion: 98 Resp: 292638  
Ion Ratio Lower Upper  
98 100  
100 63.2 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 48.343 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038331.D

Acq: 17 Oct 2023 15:54

Instrument :

MSVOA\_X

ClientSampleId :

PB156409ZHE#04

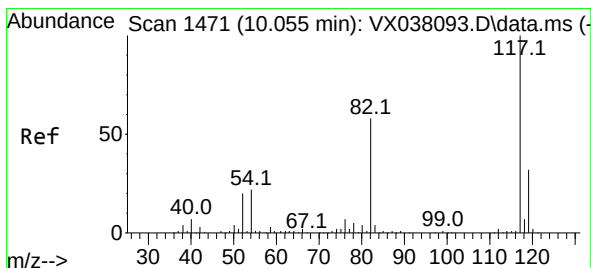
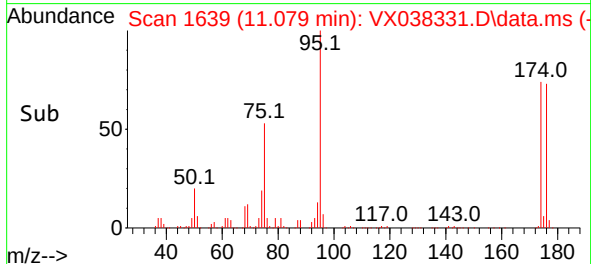
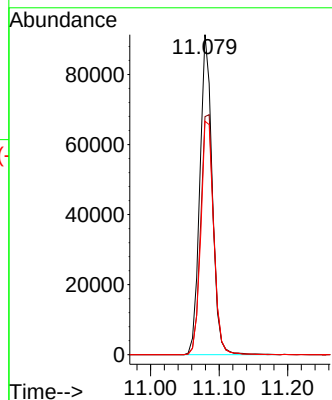
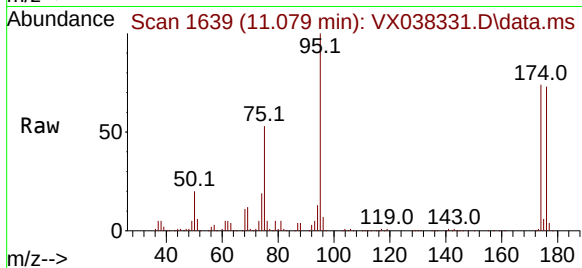
Tgt Ion: 95 Resp: 114483

Ion Ratio Lower Upper

95 100

174 79.5 0.0 135.6

176 76.5 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX038331.D

Acq: 17 Oct 2023 15:54

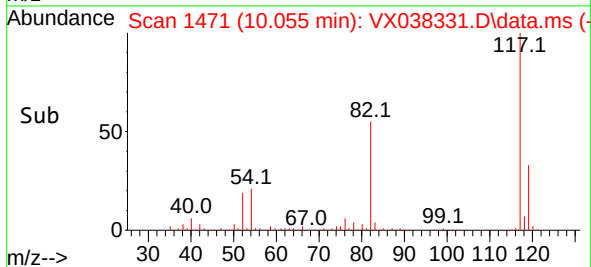
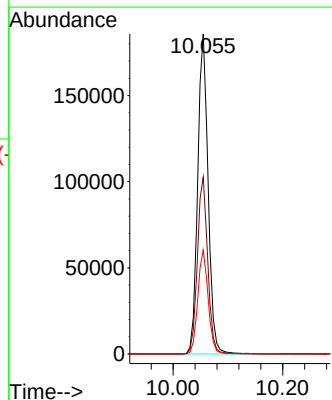
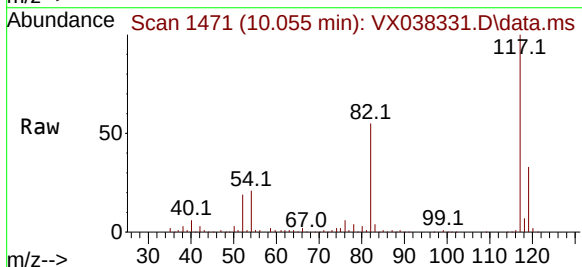
Tgt Ion: 117 Resp: 246003

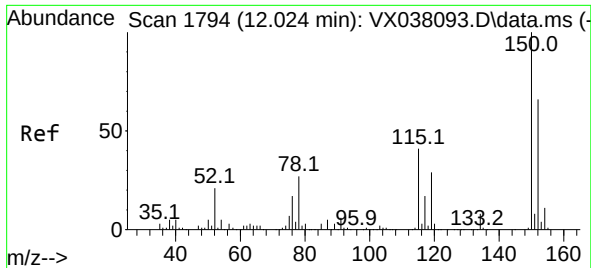
Ion Ratio Lower Upper

117 100

82 55.3 46.2 69.4

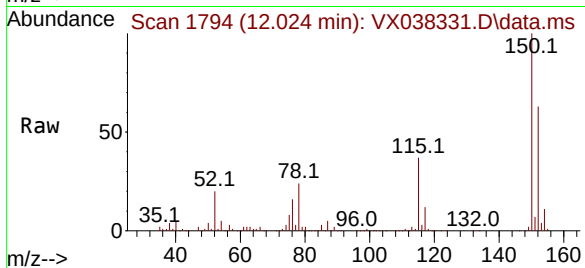
119 32.5 25.5 38.3





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX038331.D  
 Acq: 17 Oct 2023 15:54

Instrument :  
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Tgt Ion:152 Resp: 123076  
 Ion Ratio Lower Upper  
 152 100  
 115 60.1 43.3 129.9  
 150 156.7 0.0 345.0

