

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091323\  
 Data File : VX037704.D  
 Acq On : 13 Sep 2023 18:57  
 Operator : JC/MD  
 Sample : PB155499TB  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB155499TB

Quant Time: Sep 14 02:24:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091123W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 12 10:10:04 2023  
 Response via : Initial Calibration

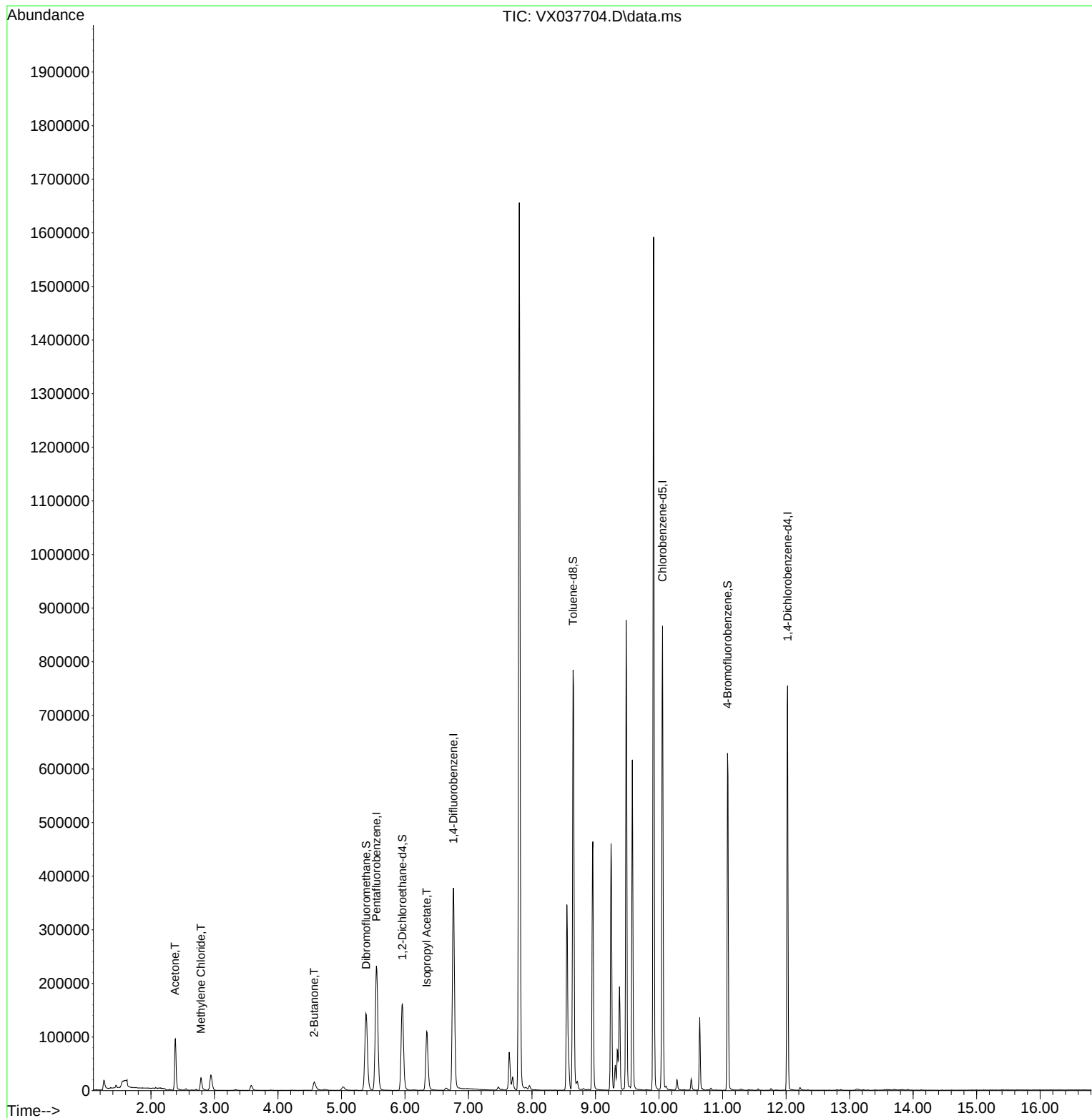
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.550  | 168   | 217948   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 387623   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 373115   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 154274   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 158251   | 44.878   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 89.760%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 125480   | 45.670   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 91.340%  |
| 50) Toluene-d8              | 8.647  | 98    | 482627   | 46.576   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 93.160%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 166169   | 44.450   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 88.900%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.380  | 43    | 103940   | 72.909   | ug/l   | 94       |
| 20) Methylene Chloride      | 2.788  | 84    | 12213    | 3.239    | ug/l   | 90       |
| 25) 2-Butanone              | 4.568  | 43    | 25588    | 11.008   | ug/l   | 92       |
| 43) Isopropyl Acetate       | 6.342  | 43    | 145686   | 21.353   | ug/l   | 97       |
| -----                       |        |       |          |          |        |          |

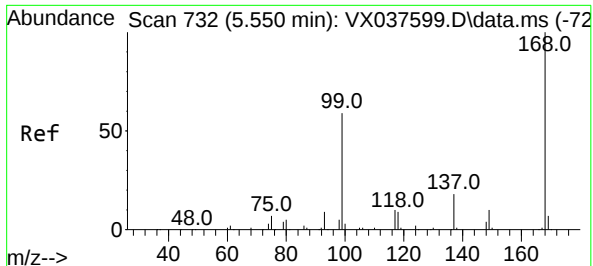
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091123W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 12 10:10:04 2023  
Response via : Initial Calibration

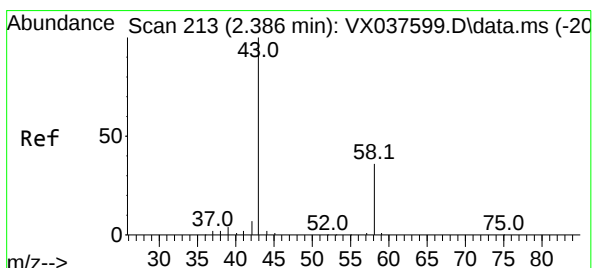
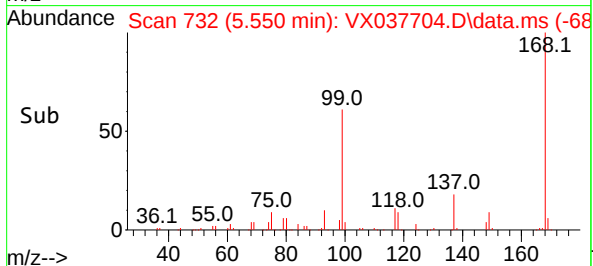
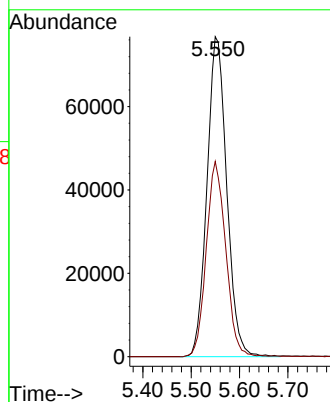
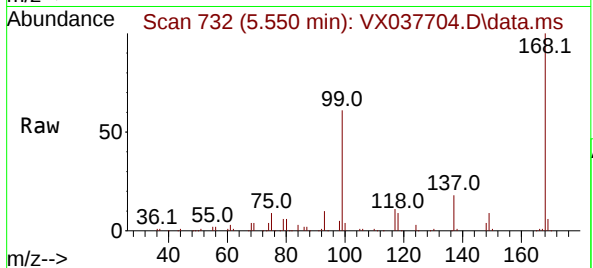




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX037704.D  
Acq: 13 Sep 2023 18:57

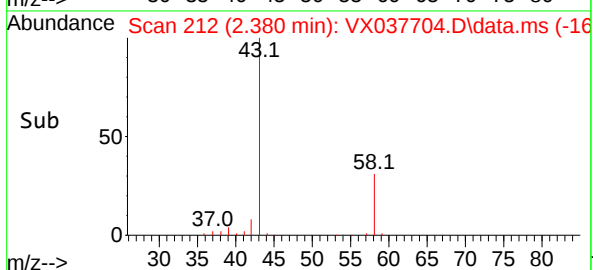
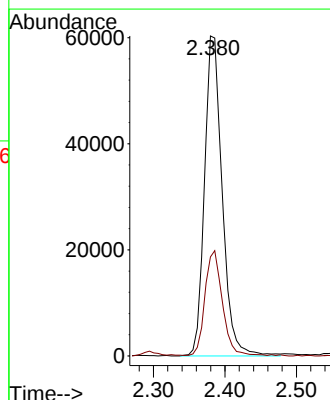
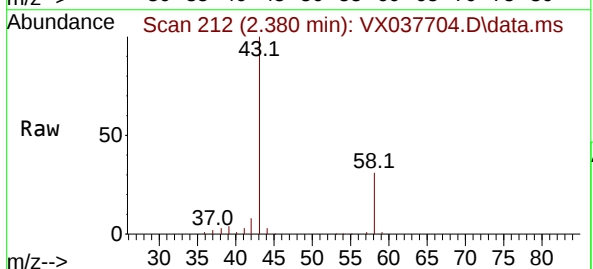
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB155499TB

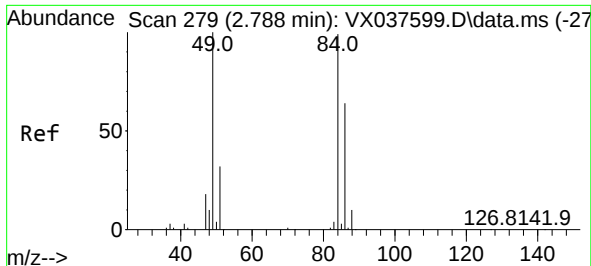
Tgt Ion:168 Resp: 217948  
Ion Ratio Lower Upper  
168 100  
99 61.0 56.6 85.0



#16  
Acetone  
Concen: 72.909 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VX037704.D  
Acq: 13 Sep 2023 18:57

Tgt Ion: 43 Resp: 103940  
Ion Ratio Lower Upper  
43 100  
58 30.7 21.9 32.9

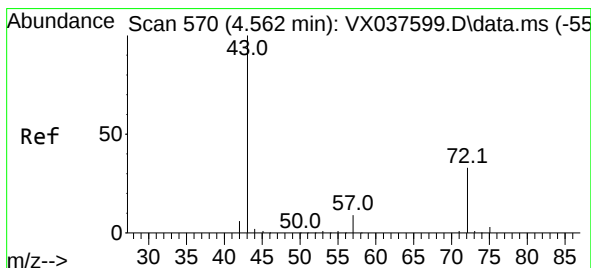
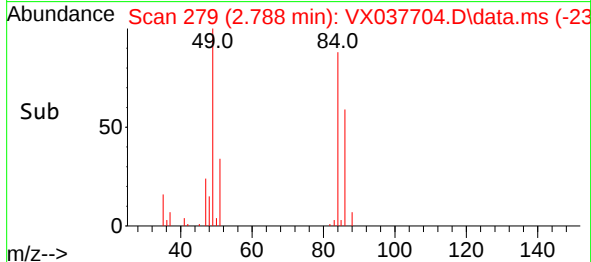
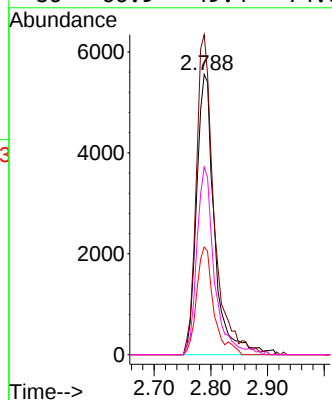
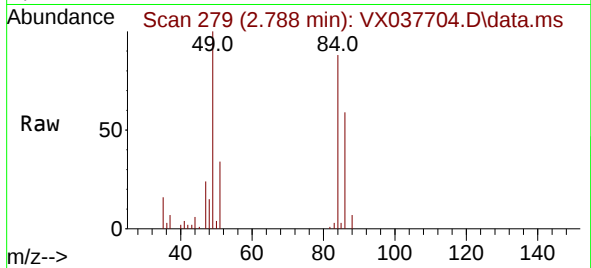




#20  
Methylene Chloride  
Concen: 3.239 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX037704.D  
Acq: 13 Sep 2023 18:57

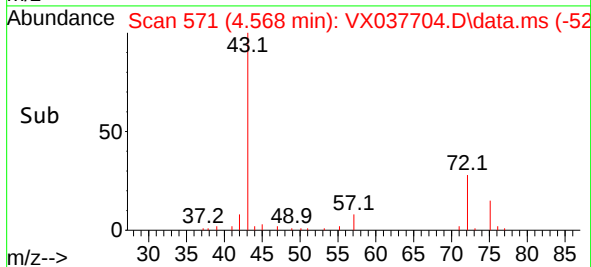
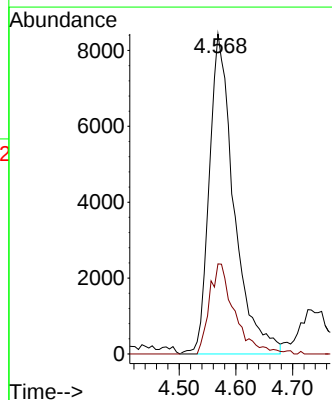
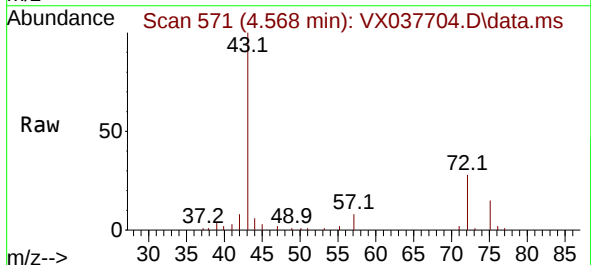
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB155499TB

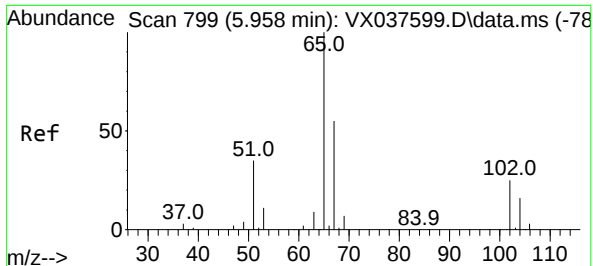
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 12213 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 114.2 | 103.6 | 155.4 |
| 51       | 38.4  | 33.8  | 50.6  |
| 86       | 66.9  | 49.4  | 74.0  |



#25  
2-Butanone  
Concen: 11.008 ug/l  
RT: 4.568 min Scan# 571  
Delta R.T. 0.006 min  
Lab File: VX037704.D  
Acq: 13 Sep 2023 18:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 25588 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 28.1  | 19.4  | 29.2  |





#33

1,2-Dichloroethane-d4

Concen: 44.878 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037704.D

Acq: 13 Sep 2023 18:57

Instrument :

MSVOA\_X

ClientSampleId :

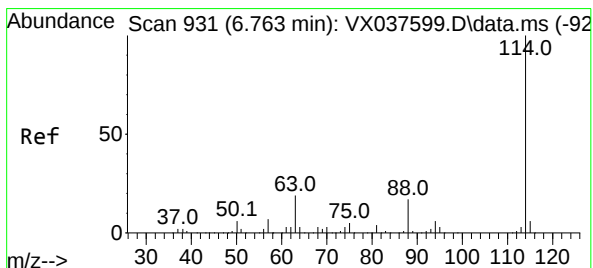
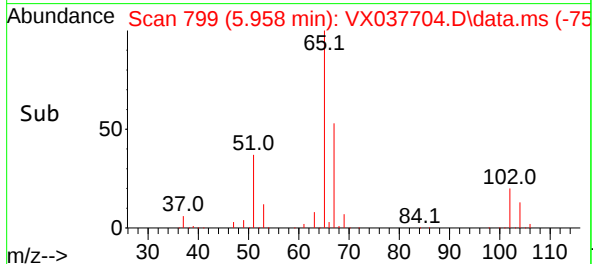
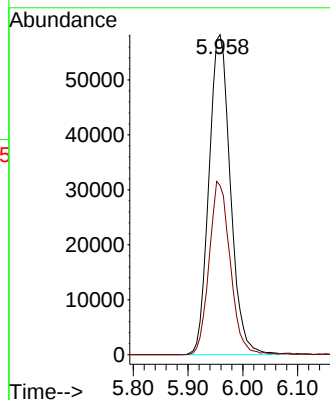
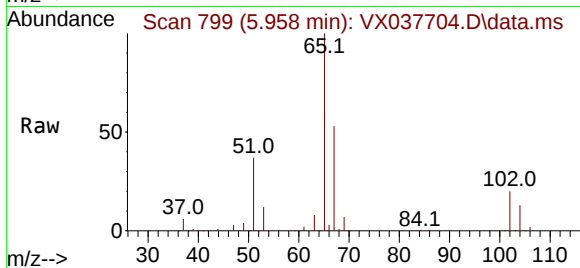
PB155499TB

Tgt Ion: 65 Resp: 158251

Ion Ratio Lower Upper

65 100

67 53.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037704.D

Acq: 13 Sep 2023 18:57

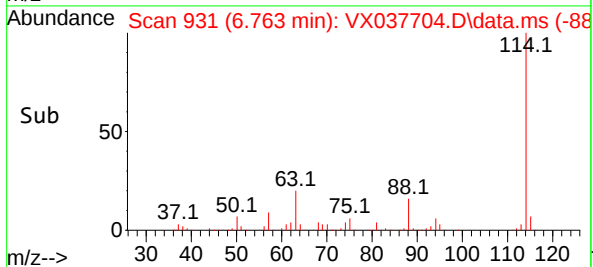
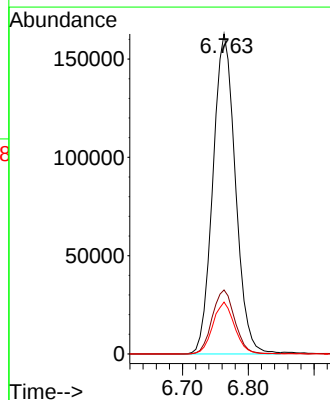
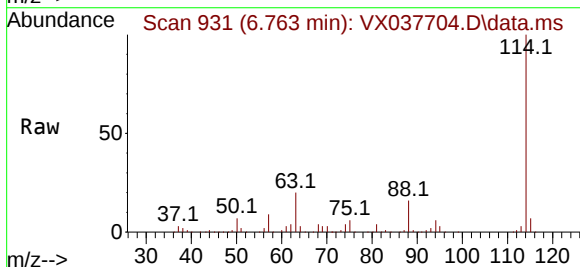
Tgt Ion: 114 Resp: 387623

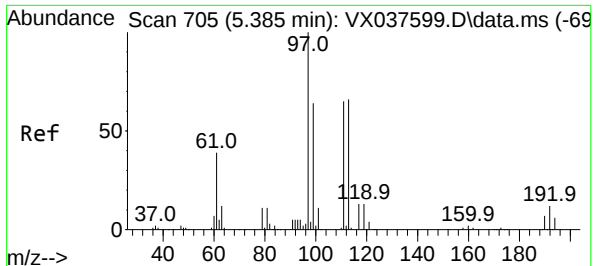
Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.0

88 16.2 0.0 36.6



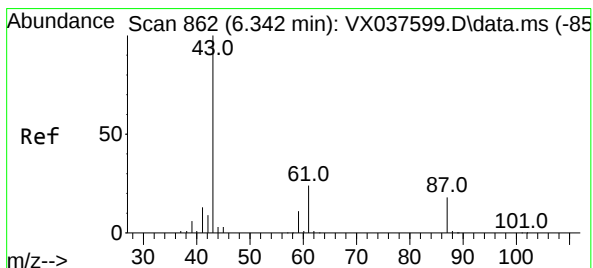
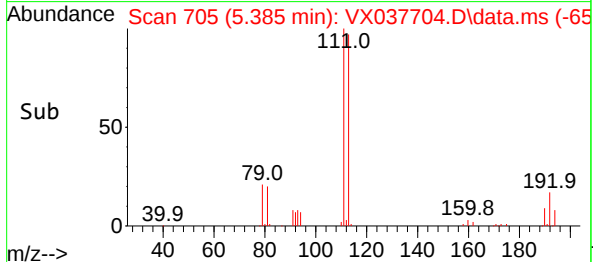
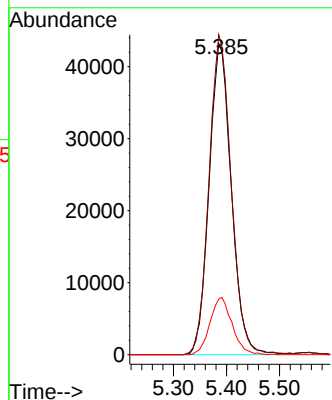
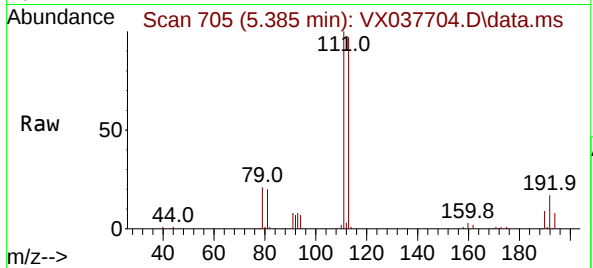


#35  
 Dibromofluoromethane  
 Concen: 45.670 ug/l  
 RT: 5.385 min Scan# 705  
 Delta R.T. -0.000 min  
 Lab File: VX037704.D  
 Acq: 13 Sep 2023 18:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB155499TB

Tgt Ion:113 Resp: 125480

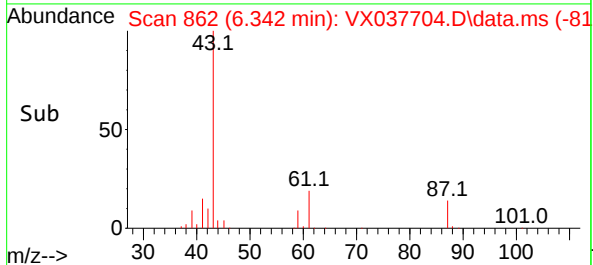
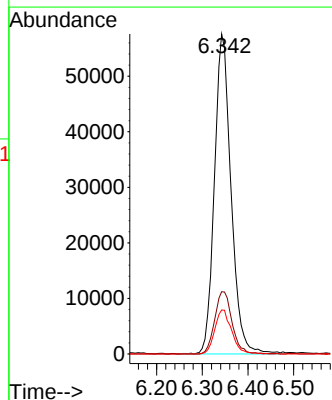
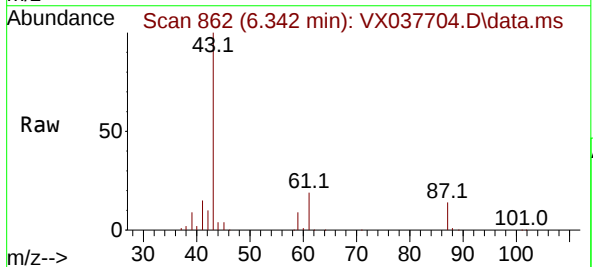
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.1 | 82.9  | 124.3 |
| 192 | 18.3  | 13.3  | 19.9  |

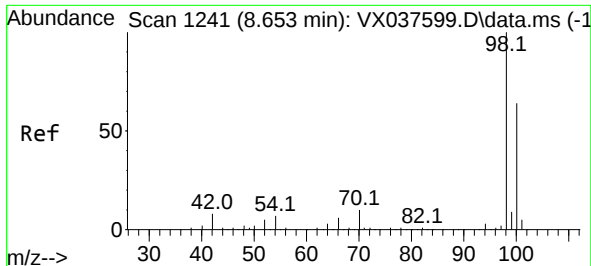


#43  
 Isopropyl Acetate  
 Concen: 21.353 ug/l  
 RT: 6.342 min Scan# 862  
 Delta R.T. -0.000 min  
 Lab File: VX037704.D  
 Acq: 13 Sep 2023 18:57

Tgt Ion: 43 Resp: 145686

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 20.3  | 15.2  | 22.8  |
| 87  | 13.9  | 9.8   | 14.6  |

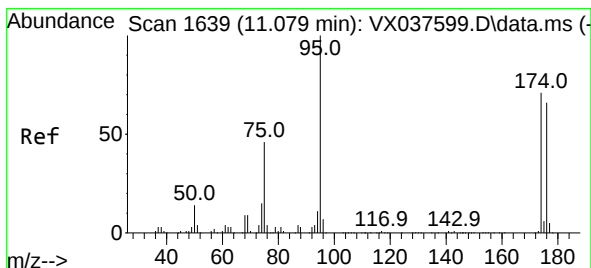
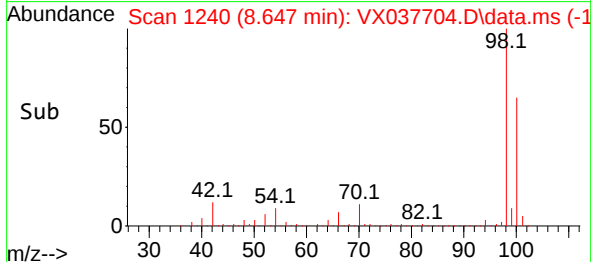
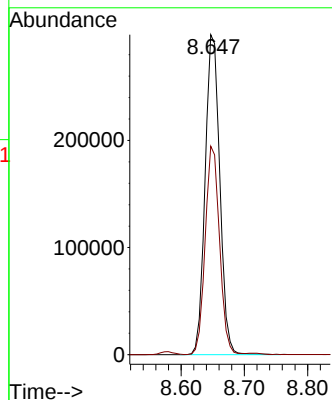
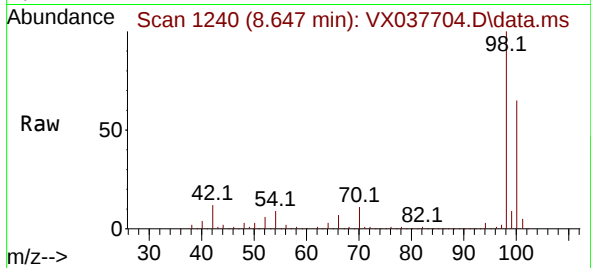




#50  
Toluene-d8  
Concen: 46.576 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX037704.D  
Acq: 13 Sep 2023 18:57

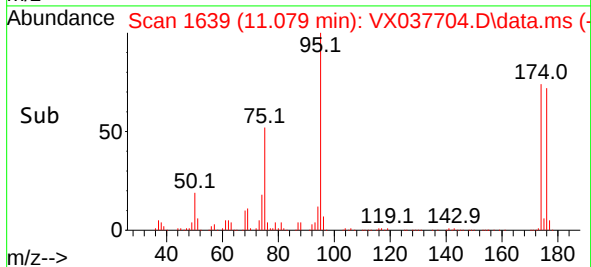
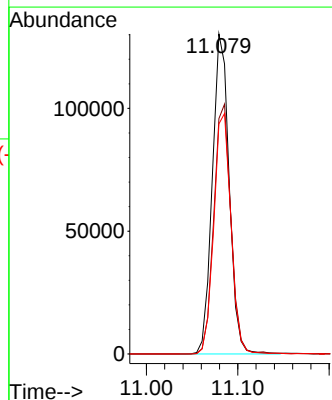
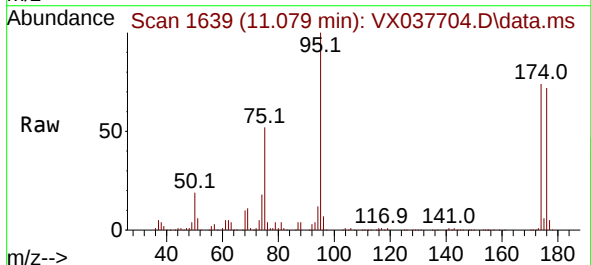
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB155499TB

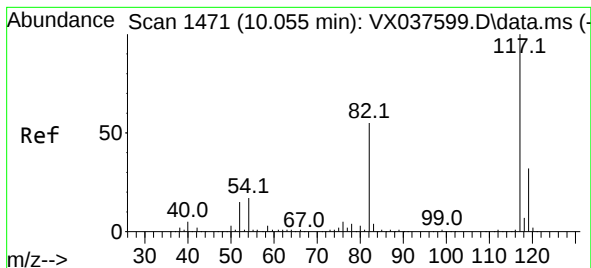
Tgt Ion: 98 Resp: 482627  
Ion Ratio Lower Upper  
98 100  
100 63.6 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 44.450 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX037704.D  
Acq: 13 Sep 2023 18:57

Tgt Ion: 95 Resp: 166169  
Ion Ratio Lower Upper  
95 100  
174 79.7 0.0 135.6  
176 76.7 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: VX037704.D

Acq: 13 Sep 2023 18:57

Instrument :

MSVOA\_X

ClientSampleId :

PB155499TB

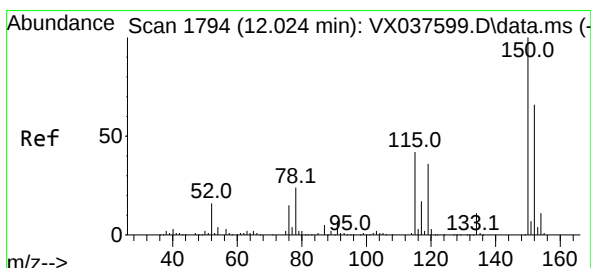
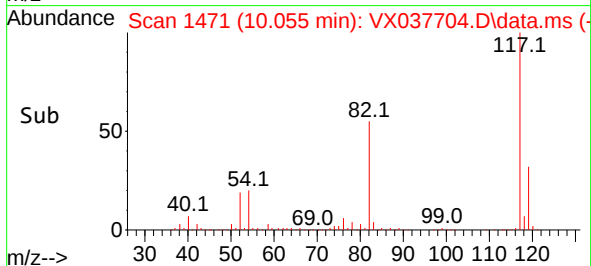
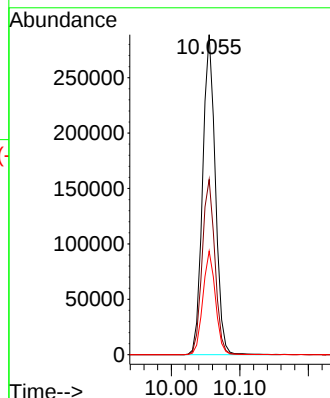
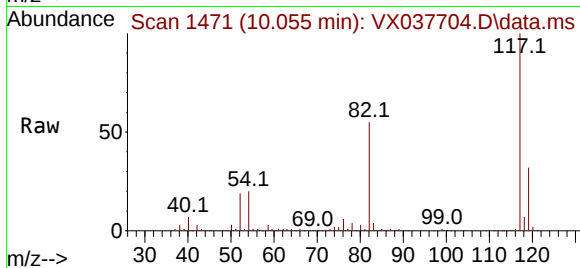
Tgt Ion:117 Resp: 373115

Ion Ratio Lower Upper

117 100

82 54.8 46.2 69.4

119 32.3 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX037704.D

Acq: 13 Sep 2023 18:57

Tgt Ion:152 Resp: 154274

Ion Ratio Lower Upper

152 100

115 60.4 43.3 129.9

150 157.3 0.0 345.0

