

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070523\  
 Data File : VX036411.D  
 Acq On : 05 Jul 2023 18:06  
 Operator : JC/MD  
 Sample : PB153983ZHE#12  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB153983ZHE#12

Quant Time: Jul 06 04:55:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062323W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 23 15:03:28 2023  
 Response via : Initial Calibration

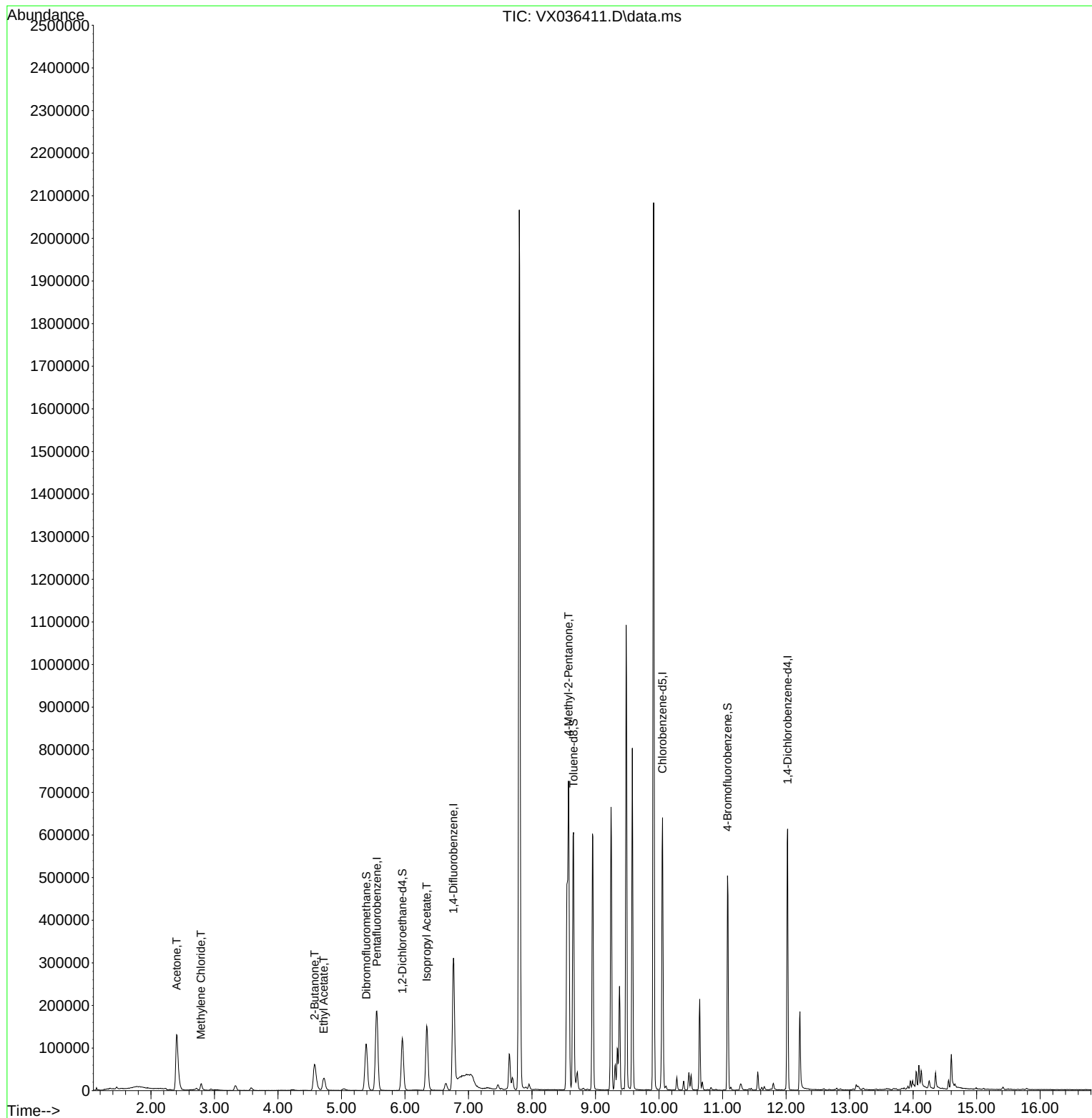
| Compound                    | R.T.   | QIon           | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|--------|----------------|----------|---------|---------|----------|
| -----                       |        |                |          |         |         |          |
| Internal Standards          |        |                |          |         |         |          |
| 1) Pentafluorobenzene       | 5.555  | 168            | 177564   | 50.000  | ug/l    | # 0.00   |
| 34) 1,4-Difluorobenzene     | 6.763  | 114            | 304184   | 50.000  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117            | 275779   | 50.000  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152            | 125492   | 50.000  | ug/l    | 0.00     |
| System Monitoring Compounds |        |                |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65             | 116166   | 45.640  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 | Range 78 - 117 | Recovery | =       | 91.280% |          |
| 35) Dibromofluoromethane    | 5.391  | 113            | 95616    | 47.672  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | =       | 95.340% |          |
| 50) Toluene-d8              | 8.652  | 98             | 363440   | 48.515  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 | Range 92 - 112 | Recovery | =       | 97.020% |          |
| 62) 4-Bromofluorobenzene    | 11.079 | 95             | 131538   | 49.850  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 | Range 83 - 123 | Recovery | =       | 99.700% |          |
| Target Compounds            |        |                |          |         |         |          |
|                             |        |                |          |         |         | Qvalue   |
| 16) Acetone                 | 2.404  | 43             | 233449   | 214.584 | ug/l    | 94       |
| 20) Methylene Chloride      | 2.788  | 84             | 8058     | 3.440   | ug/l #  | 81       |
| 25) 2-Butanone              | 4.574  | 43             | 126161   | 80.711  | ug/l    | 96       |
| 37) Ethyl Acetate           | 4.720  | 43             | 56057    | 18.396  | ug/l    | 98       |
| 43) Isopropyl Acetate       | 6.342  | 43             | 210232   | 43.248  | ug/l    | 98       |
| 51) 4-Methyl-2-Pentanone    | 8.573  | 43             | 560940   | 179.108 | ug/l #  | 87       |
| -----                       |        |                |          |         |         |          |

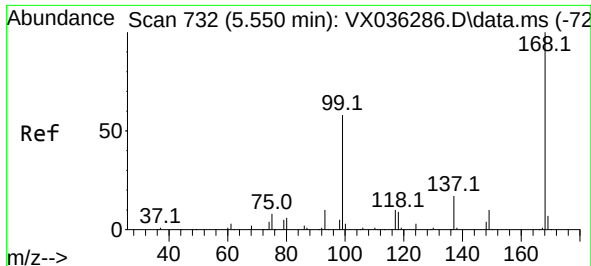
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
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PB153983ZHE#12

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062323W.M  
Quant Title : SW846 8260  
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Response via : Initial Calibration

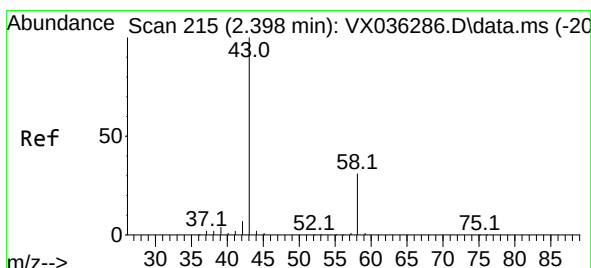
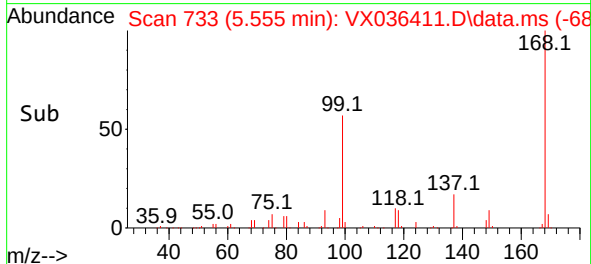
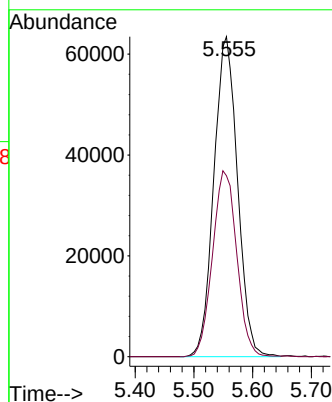
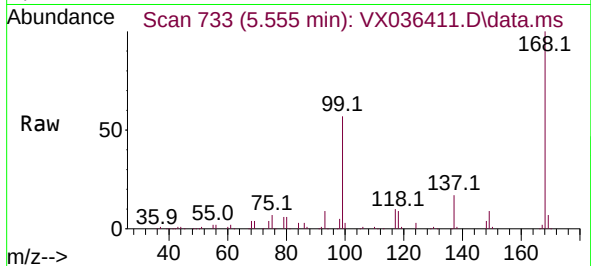




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.555 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX036411.D  
Acq: 05 Jul 2023 18:06

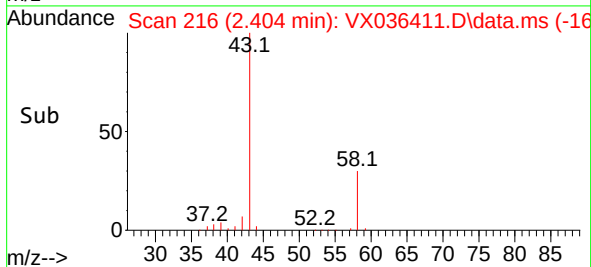
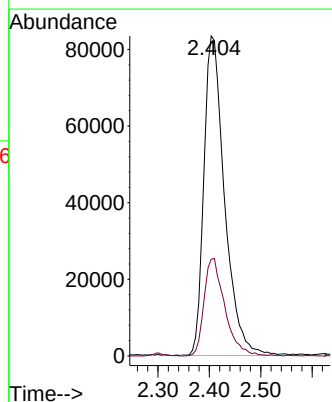
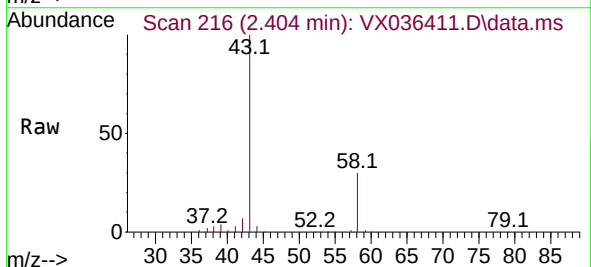
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB153983ZHE#12

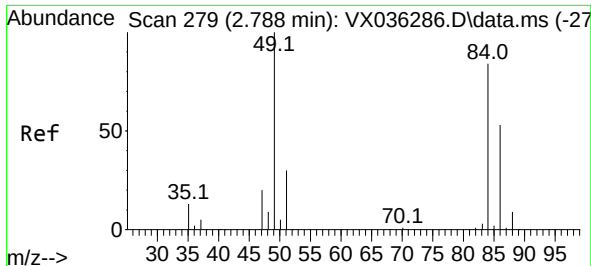
Tgt Ion:168 Resp: 177564  
Ion Ratio Lower Upper  
168 100  
99 56.6 56.6 85.0#



#16  
Acetone  
Concen: 214.584 ug/l  
RT: 2.404 min Scan# 216  
Delta R.T. -0.000 min  
Lab File: VX036411.D  
Acq: 05 Jul 2023 18:06

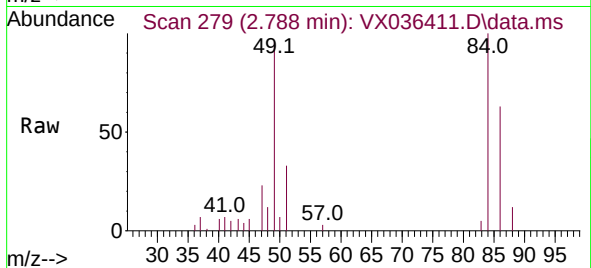
Tgt Ion: 43 Resp: 233449  
Ion Ratio Lower Upper  
43 100  
58 30.3 21.9 32.9



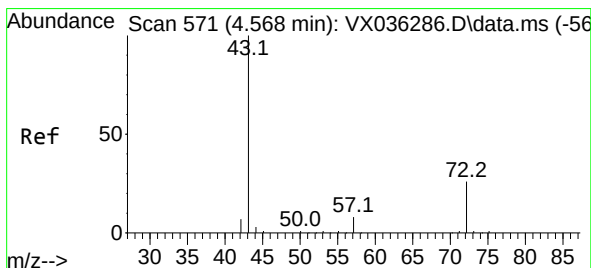
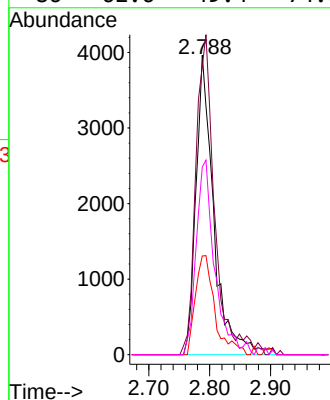
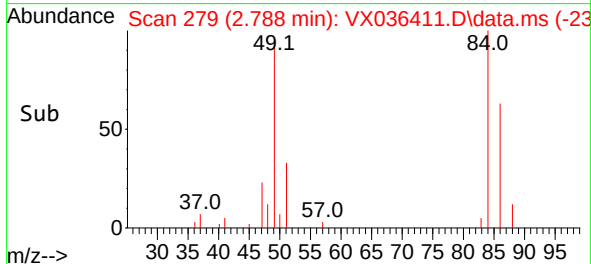


#20  
Methylene Chloride  
Concen: 3.440 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX036411.D  
Acq: 05 Jul 2023 18:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB153983ZHE#12

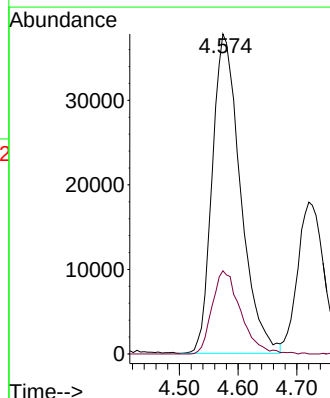
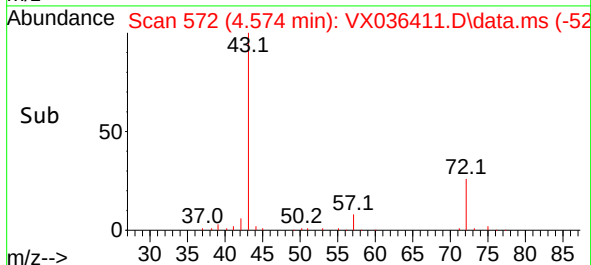
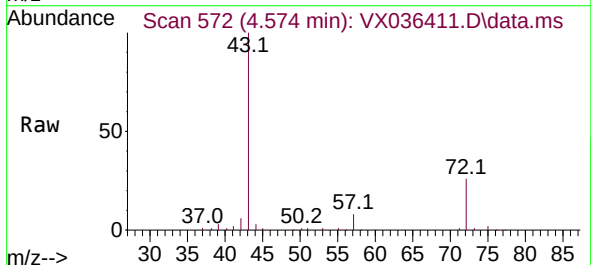


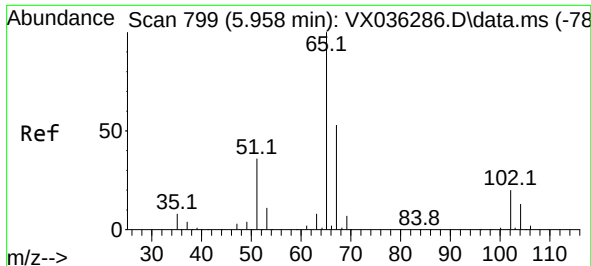
|             |              |
|-------------|--------------|
| Tgt Ion: 84 | Resp: 8058   |
| Ion Ratio   | Lower Upper  |
| 84 100      |              |
| 49 96.2     | 103.6 155.4# |
| 51 33.0     | 33.8 50.6#   |
| 86 62.6     | 49.4 74.0    |



#25  
2-Butanone  
Concen: 80.711 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. 0.006 min  
Lab File: VX036411.D  
Acq: 05 Jul 2023 18:06

|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 126161 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 72 26.0     | 19.4 29.2    |





#33

1,2-Dichloroethane-d4

Concen: 45.640 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX036411.D

Acq: 05 Jul 2023 18:06

Instrument :

MSVOA\_X

ClientSampleId :

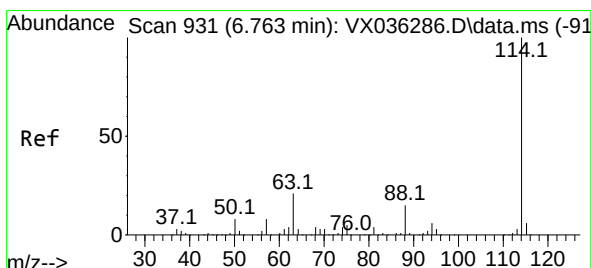
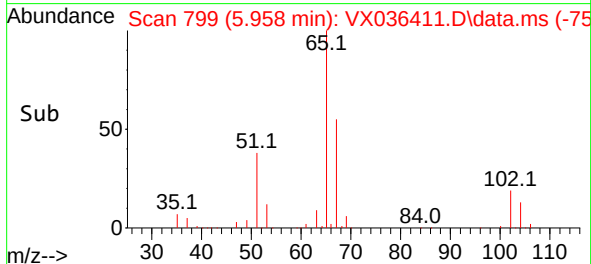
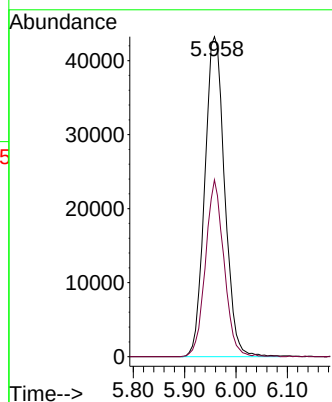
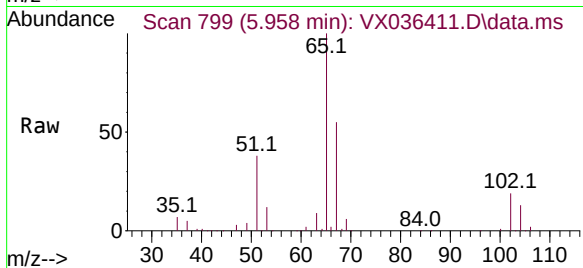
PB153983ZHE#12

Tgt Ion: 65 Resp: 116166

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# 931

Delta R.T. -0.000 min

Lab File: VX036411.D

Acq: 05 Jul 2023 18:06

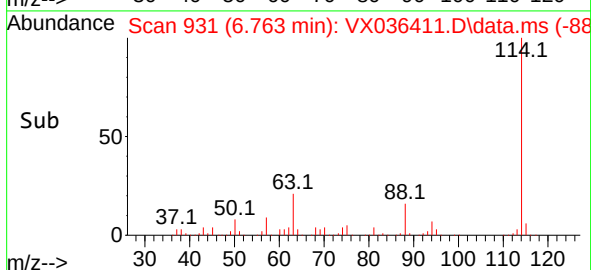
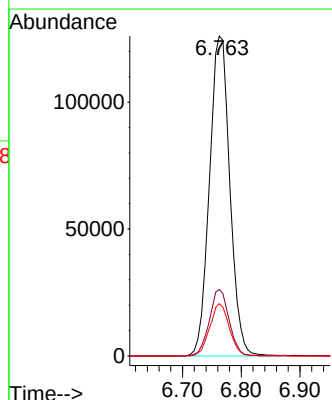
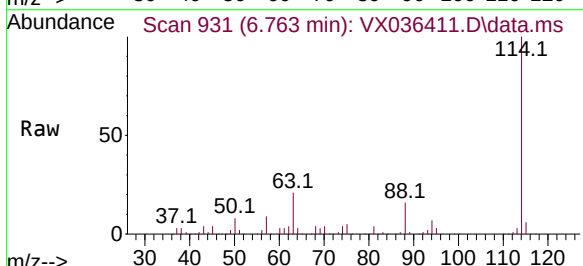
Tgt Ion: 114 Resp: 304184

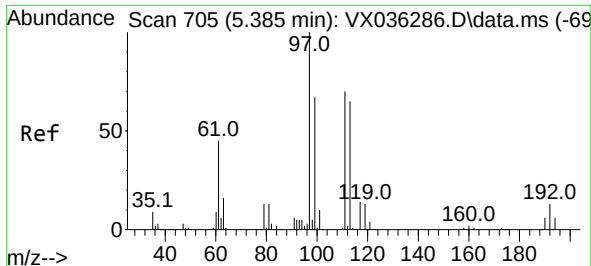
Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.0

88 16.4 0.0 36.6

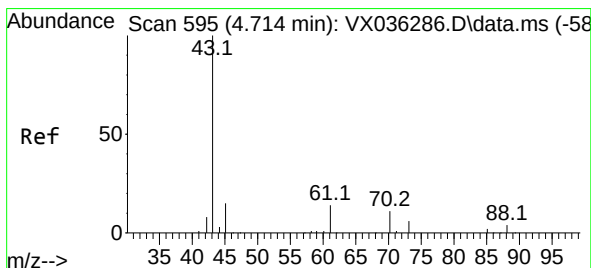
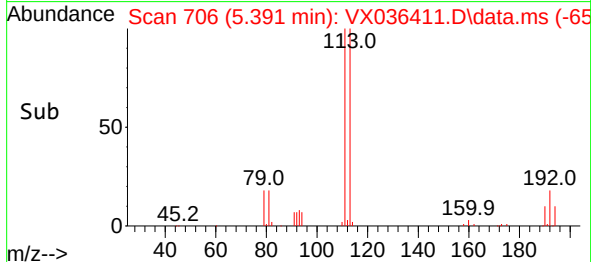
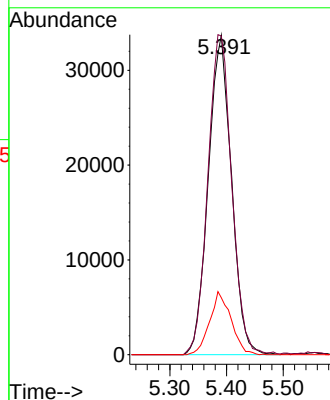
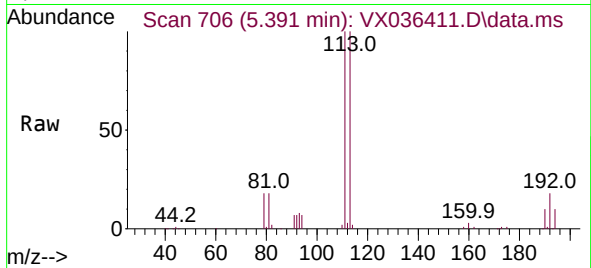




#35  
Dibromofluoromethane  
Concen: 47.672 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX036411.D  
Acq: 05 Jul 2023 18:06

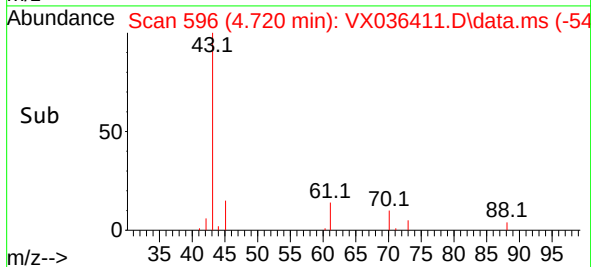
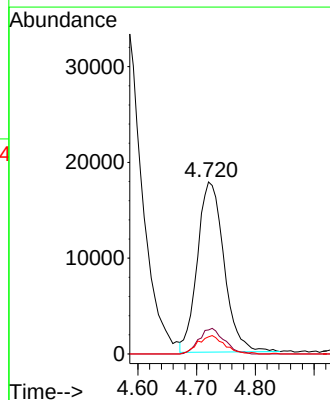
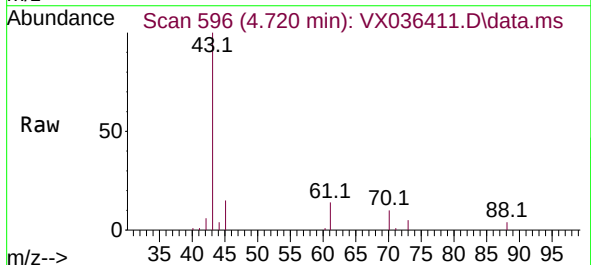
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB153983ZHE#12

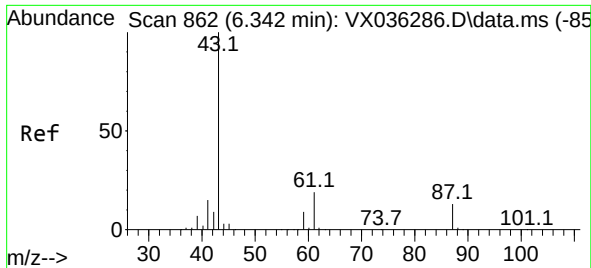
Tgt Ion:113 Resp: 95616  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.9 124.3  
192 18.2 13.3 19.9



#37  
Ethyl Acetate  
Concen: 18.396 ug/l  
RT: 4.720 min Scan# 596  
Delta R.T. 0.006 min  
Lab File: VX036411.D  
Acq: 05 Jul 2023 18:06

Tgt Ion: 43 Resp: 56057  
Ion Ratio Lower Upper  
43 100  
61 14.2 10.6 16.0  
70 10.7 8.3 12.5

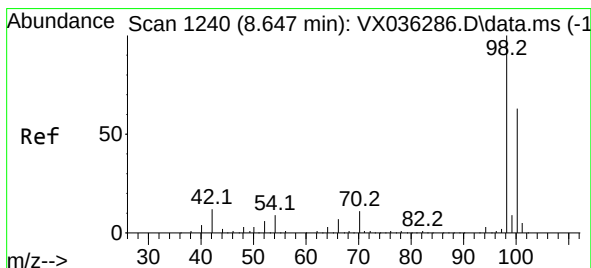
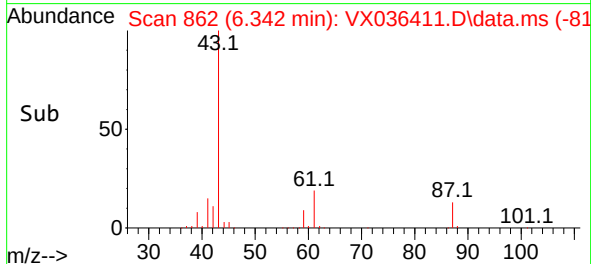
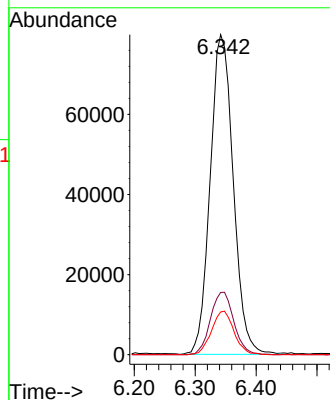
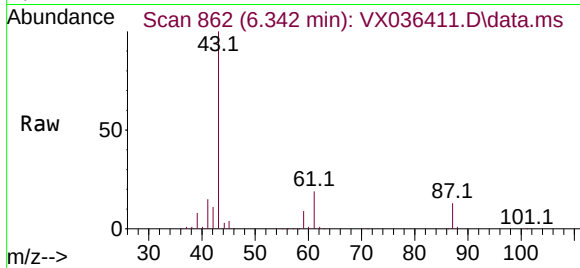




#43  
Isopropyl Acetate  
Concen: 43.248 ug/l  
RT: 6.342 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: VX036411.D  
Acq: 05 Jul 2023 18:06

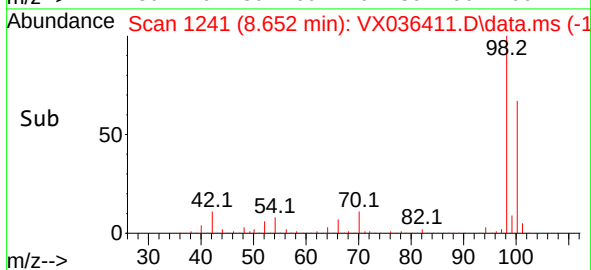
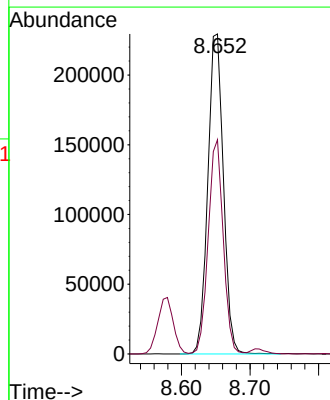
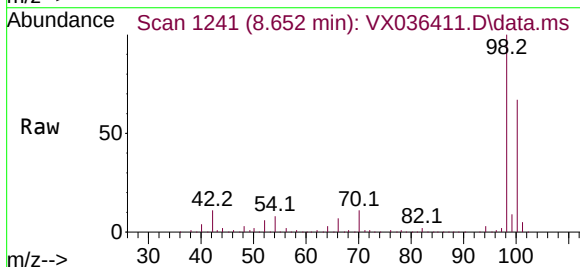
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB153983ZHE#12

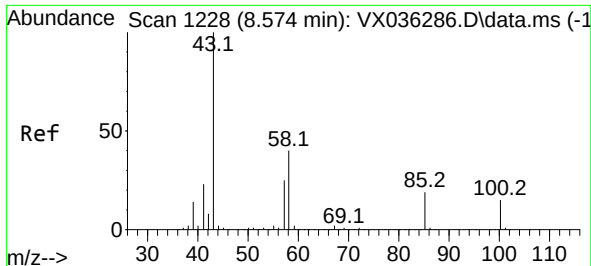
Tgt Ion: 43 Resp: 210232  
Ion Ratio Lower Upper  
43 100  
61 19.8 15.2 22.8  
87 13.3 9.8 14.6



#50  
Toluene-d8  
Concen: 48.515 ug/l  
RT: 8.652 min Scan# 1241  
Delta R.T. 0.006 min  
Lab File: VX036411.D  
Acq: 05 Jul 2023 18:06

Tgt Ion: 98 Resp: 363440  
Ion Ratio Lower Upper  
98 100  
100 64.5 53.1 79.7

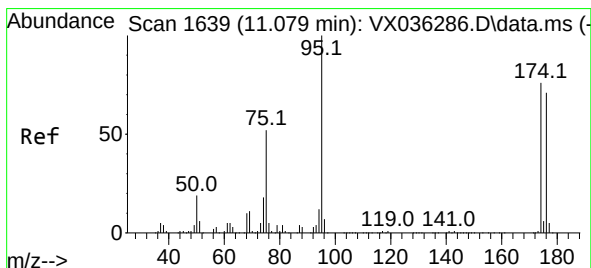
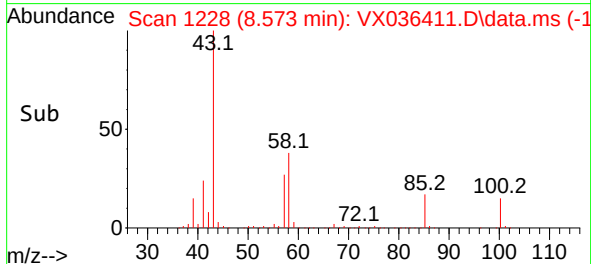
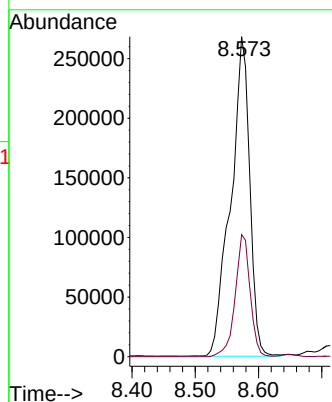
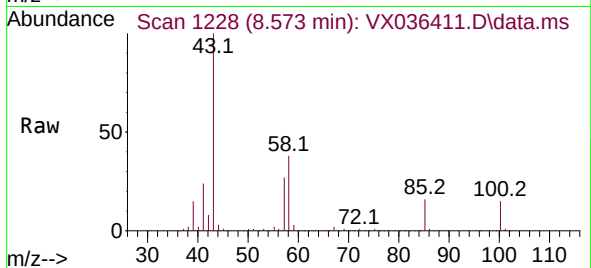




#51  
4-Methyl-2-Pentanone  
Concen: 179.108 ug/l  
RT: 8.573 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX036411.D  
Acq: 05 Jul 2023 18:06

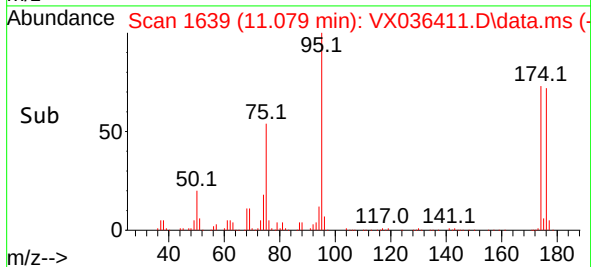
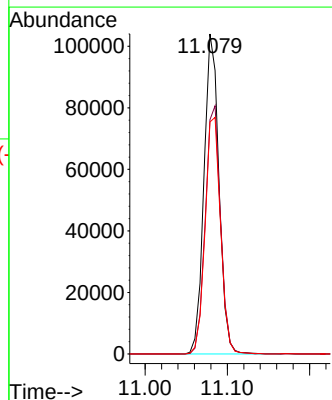
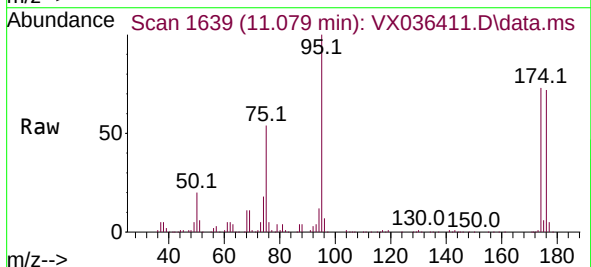
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB153983ZHE#12

Tgt Ion: 43 Resp: 560940  
Ion Ratio Lower Upper  
43 100  
58 30.0 30.4 45.6#

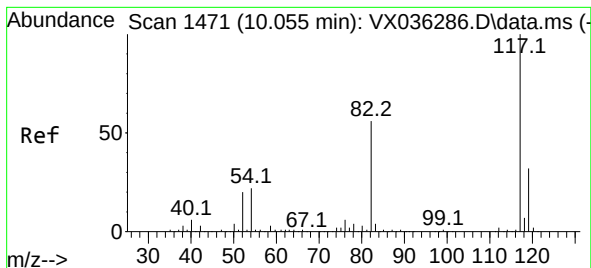


#62  
4-Bromofluorobenzene  
Concen: 49.850 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX036411.D  
Acq: 05 Jul 2023 18:06

Tgt Ion: 95 Resp: 131538  
Ion Ratio Lower Upper  
95 100  
174 78.8 0.0 135.6  
176 76.3 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: VX036411.D

Acq: 05 Jul 2023 18:06

Instrument :

MSVOA\_X

ClientSampleId :

PB153983ZHE#12

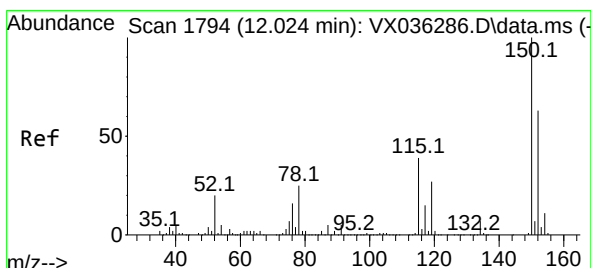
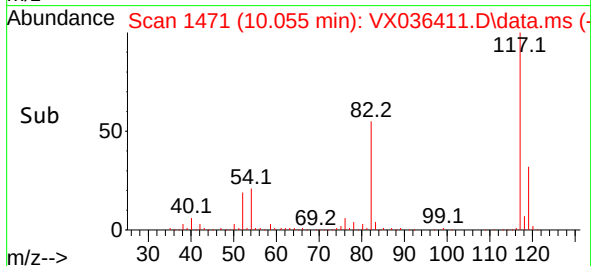
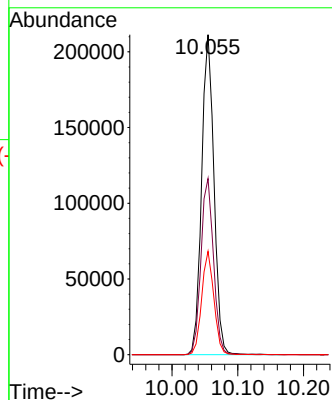
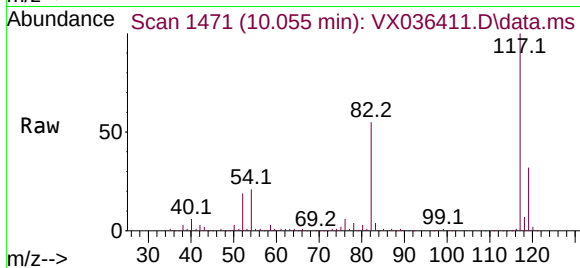
Tgt Ion:117 Resp: 275779

Ion Ratio Lower Upper

117 100

82 55.0 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: VX036411.D

Acq: 05 Jul 2023 18:06

Tgt Ion:152 Resp: 125492

Ion Ratio Lower Upper

152 100

115 60.3 43.3 129.9

150 158.0 0.0 345.0

