

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072723\  
 Data File : VX036676.D  
 Acq On : 27 Jul 2023 15:04  
 Operator : JC/MD  
 Sample : 03767-01RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MMC-COMPRE

Quant Time: Jul 28 06:12:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 21 12:14:12 2023  
 Response via : Initial Calibration

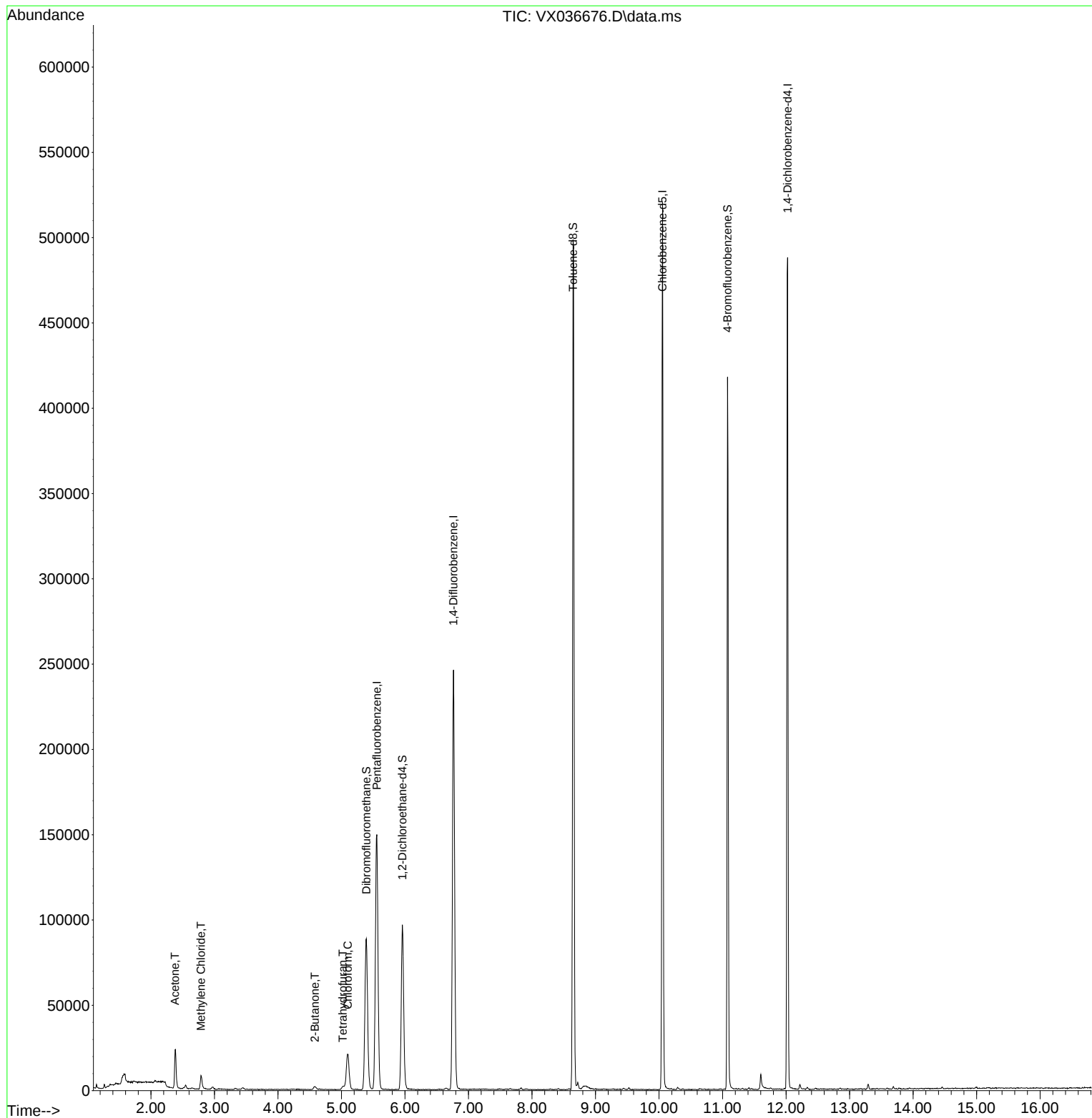
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 140335   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 248450   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 229146   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 101291   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 92471    | 44.533   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 89.060%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 79053    | 46.292   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 92.580%  |
| 50) Toluene-d8              | 8.647  | 98    | 300560   | 49.631   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 99.260%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 110468   | 48.349   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 96.700%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.380  | 43    | 25064    | 29.088   | ug/l   | 90       |
| 20) Methylene Chloride      | 2.788  | 84    | 4058     | 2.118    | ug/l   | 89       |
| 25) 2-Butanone              | 4.580  | 43    | 2884     | 2.063    | ug/l   | 96       |
| 29) Tetrahydrofuran         | 5.019  | 42    | 1946     | 2.159    | ug/l # | 77       |
| 30) Chloroform              | 5.099  | 83    | 25786    | 7.651    | ug/l   | 94       |
| -----                       |        |       |          |          |        |          |

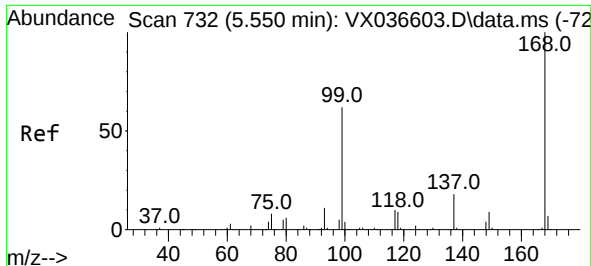
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 21 12:14:12 2023  
Response via : Initial Calibration

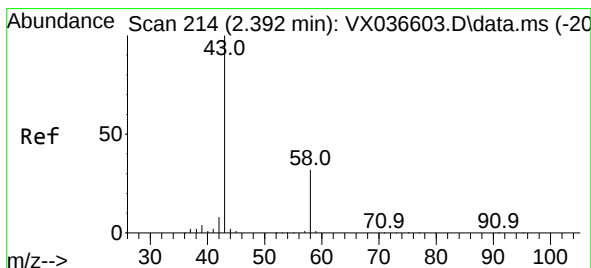
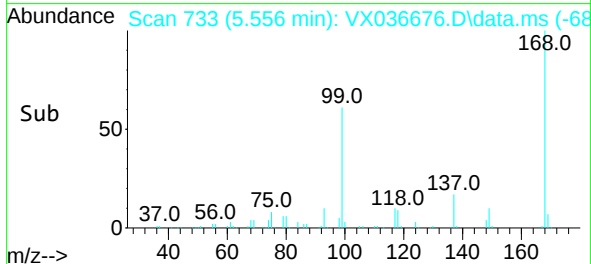
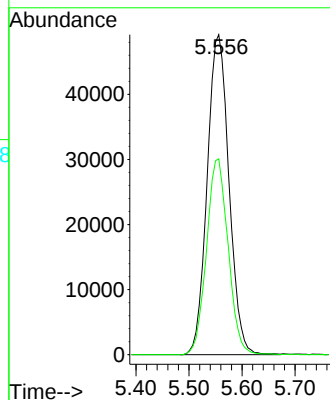
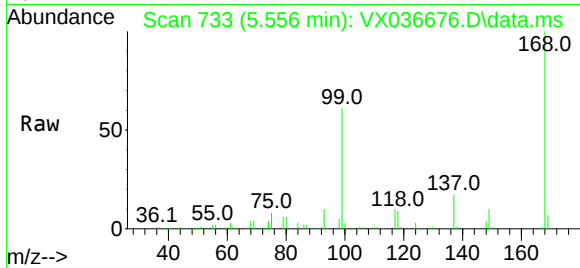




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX036676.D  
Acq: 27 Jul 2023 15:04

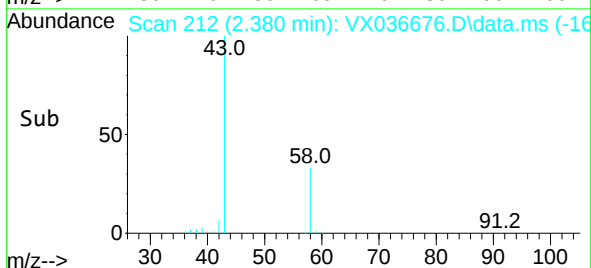
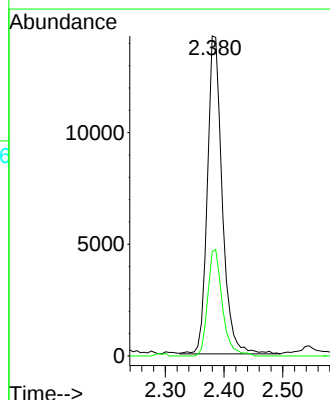
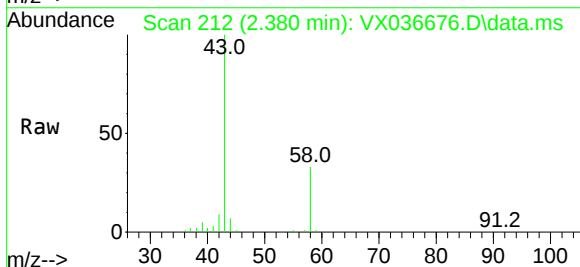
Instrument :  
MSVOA\_X  
ClientSampleId :  
MMC-COMP

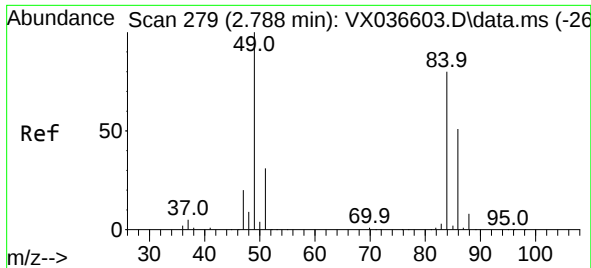
Tgt Ion:168 Resp: 140335  
Ion Ratio Lower Upper  
168 100  
99 61.2 56.6 85.0



#16  
Acetone  
Concen: 29.088 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.012 min  
Lab File: VX036676.D  
Acq: 27 Jul 2023 15:04

Tgt Ion: 43 Resp: 25064  
Ion Ratio Lower Upper  
43 100  
58 32.8 21.9 32.9

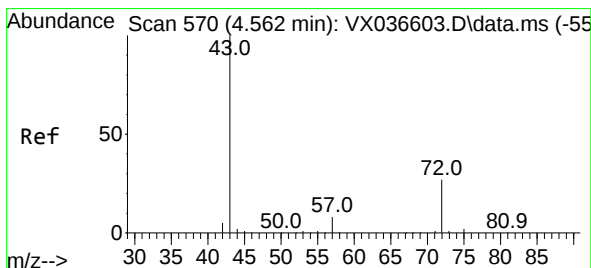
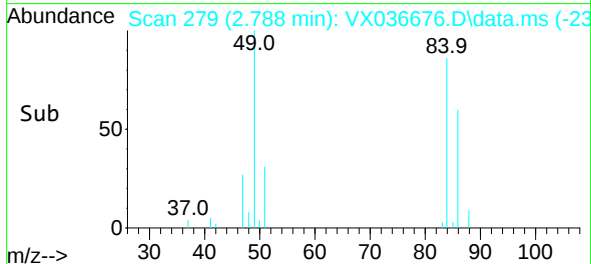
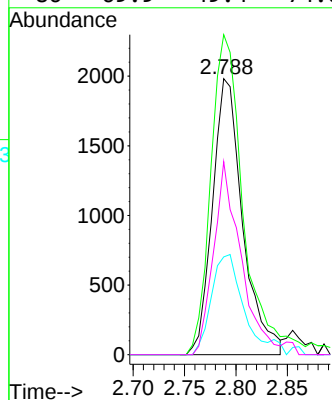
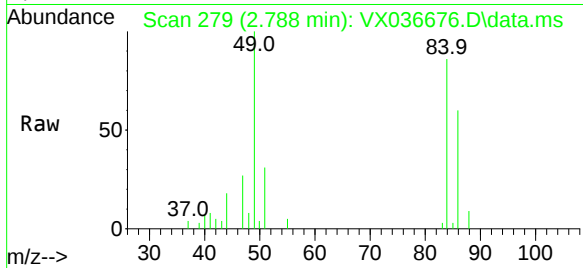




#20  
Methylene Chloride  
Concen: 2.118 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX036676.D  
Acq: 27 Jul 2023 15:04

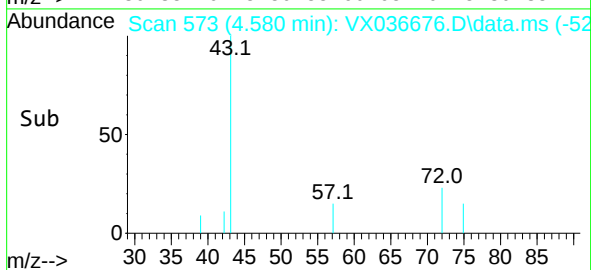
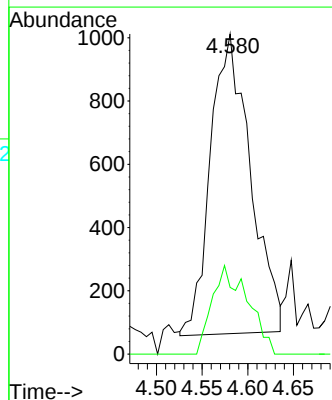
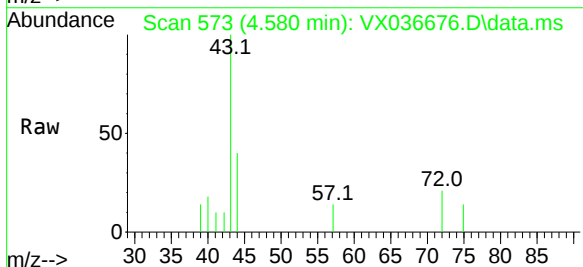
Instrument :  
MSVOA\_X  
ClientSampleId :  
MMC-COMP

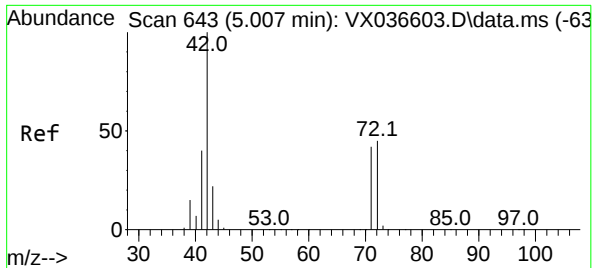
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 4058  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 115.9 | 103.6 | 155.4 |
| 51       | 35.4  | 33.8  | 50.6  |
| 86       | 69.9  | 49.4  | 74.0  |



#25  
2-Butanone  
Concen: 2.063 ug/l  
RT: 4.580 min Scan# 573  
Delta R.T. 0.018 min  
Lab File: VX036676.D  
Acq: 27 Jul 2023 15:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2884  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 22.4  | 19.4  | 29.2  |





#29

Tetrahydrofuran

Concen: 2.159 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX036676.D

Acq: 27 Jul 2023 15:04

Instrument :

MSVOA\_X

ClientSampleId :

MMC-COMP

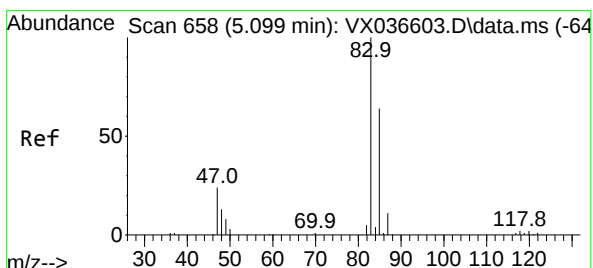
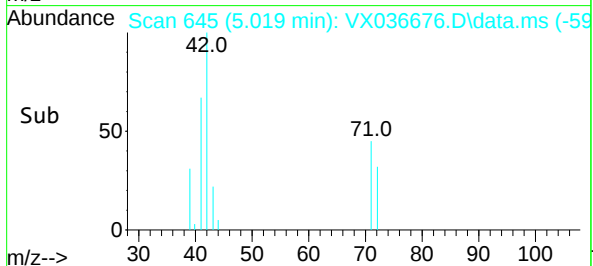
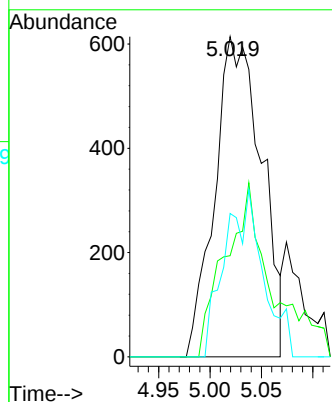
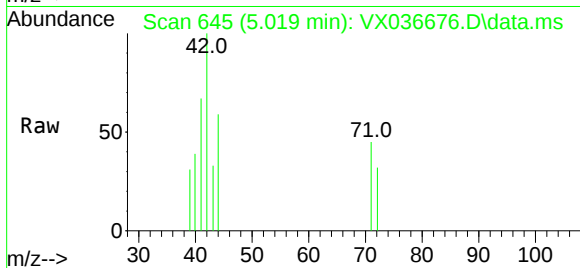
Tgt Ion: 42 Resp: 1946

Ion Ratio Lower Upper

42 100

72 54.1 34.2 51.4#

71 22.3 32.2 48.2#



#30

Chloroform

Concen: 7.651 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.000 min

Lab File: VX036676.D

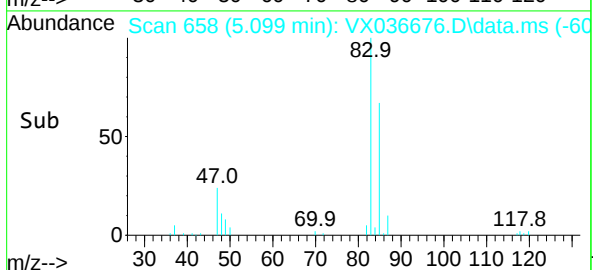
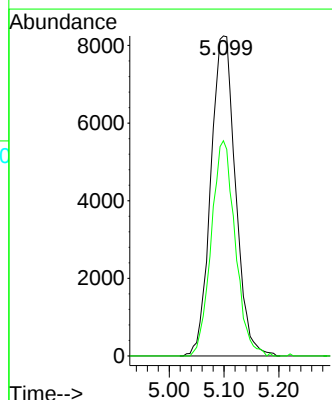
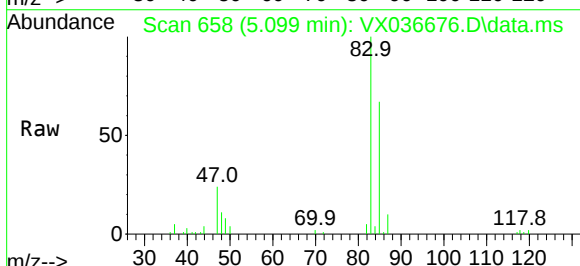
Acq: 27 Jul 2023 15:04

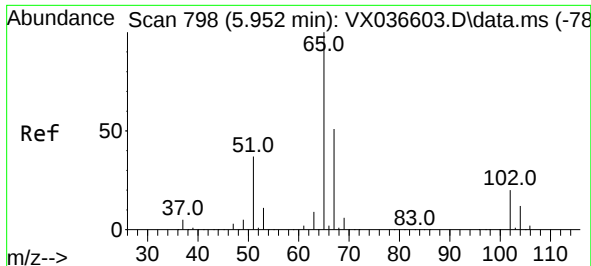
Tgt Ion: 83 Resp: 25786

Ion Ratio Lower Upper

83 100

85 67.3 50.3 75.5





#33

1,2-Dichloroethane-d4

Concen: 44.533 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036676.D

Acq: 27 Jul 2023 15:04

Instrument :

MSVOA\_X

ClientSampleId :

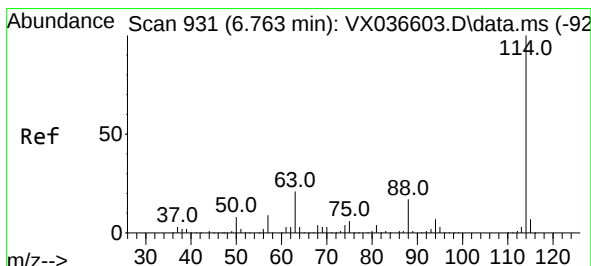
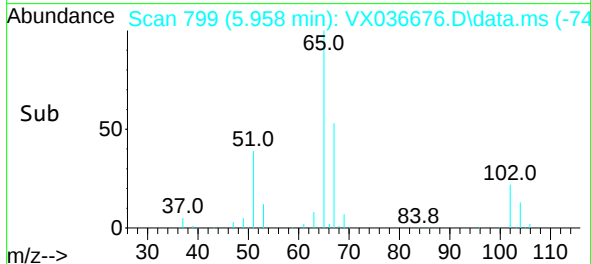
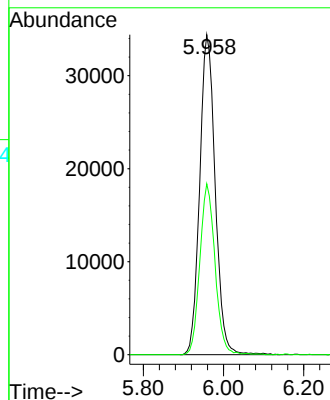
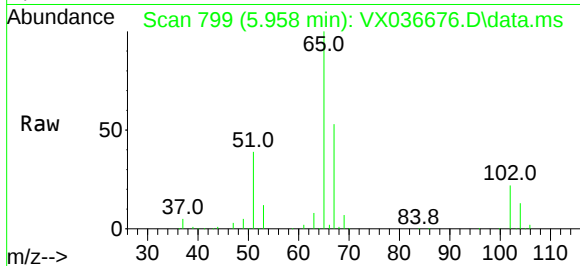
MMC-COMP

Tgt Ion: 65 Resp: 92471

Ion Ratio Lower Upper

65 100

67 52.2 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: VX036676.D

Acq: 27 Jul 2023 15:04

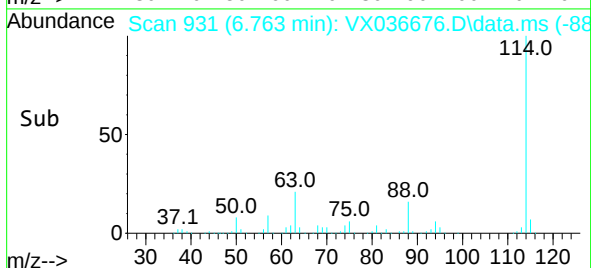
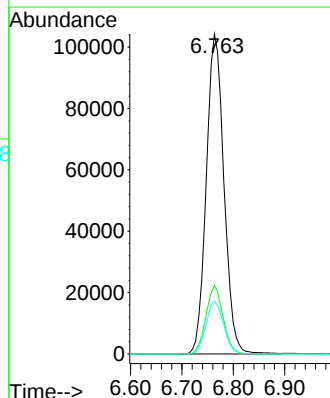
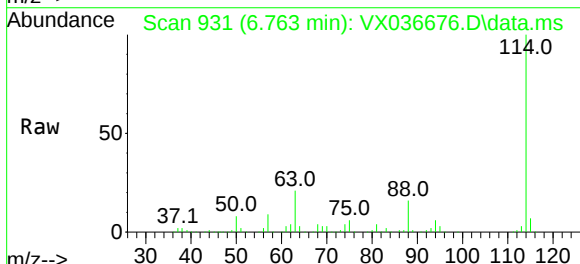
Tgt Ion: 114 Resp: 248450

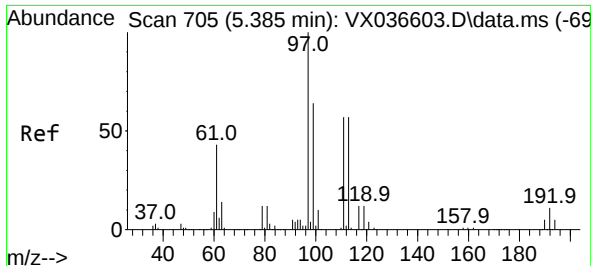
Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.0

88 16.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.292 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX036676.D

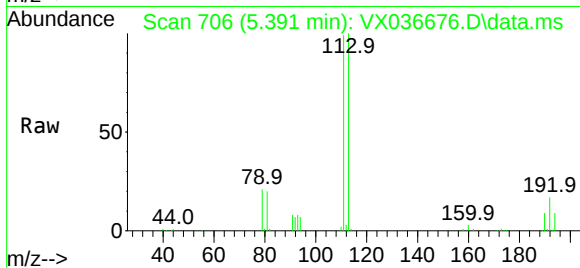
Acq: 27 Jul 2023 15:04

Instrument :

MSVOA\_X

ClientSampleId :

MMC-COMPRE



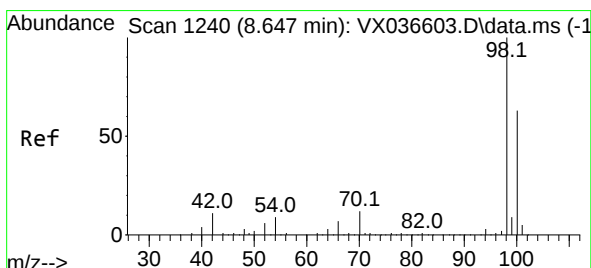
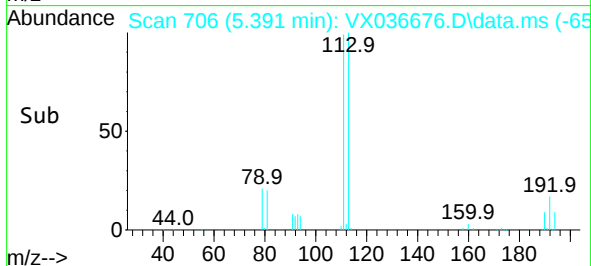
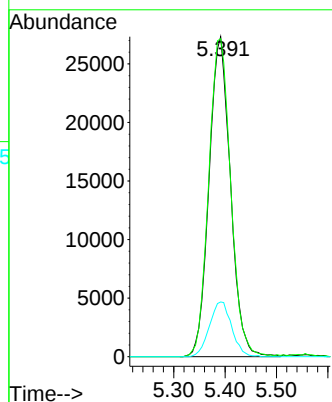
Tgt Ion:113 Resp: 79053

Ion Ratio Lower Upper

113 100

111 102.2 82.9 124.3

192 17.8 13.3 19.9



#50

Toluene-d8

Concen: 49.631 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX036676.D

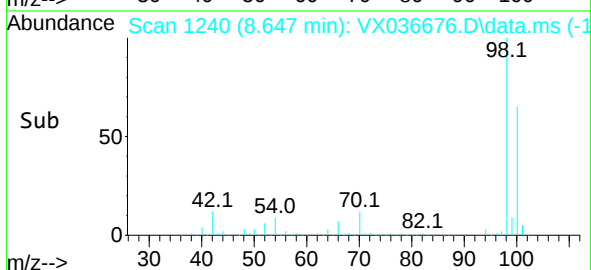
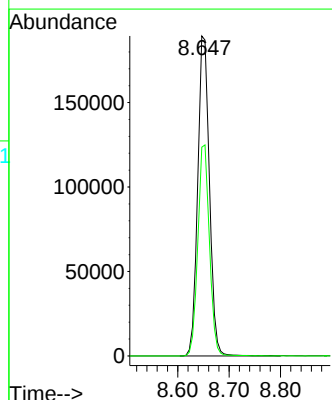
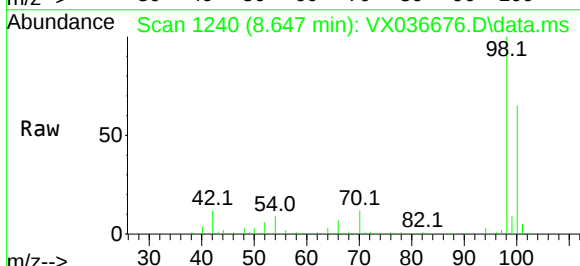
Acq: 27 Jul 2023 15:04

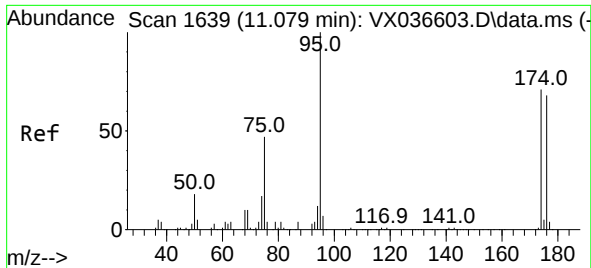
Tgt Ion: 98 Resp: 300560

Ion Ratio Lower Upper

98 100

100 65.4 53.1 79.7

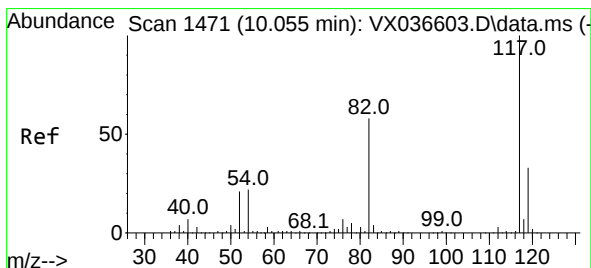
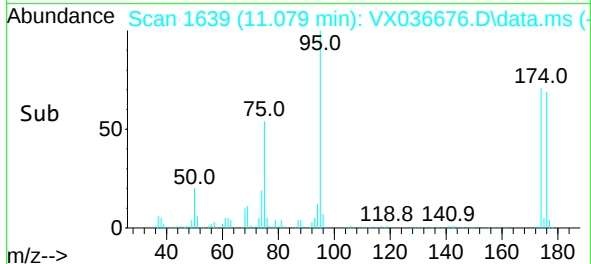
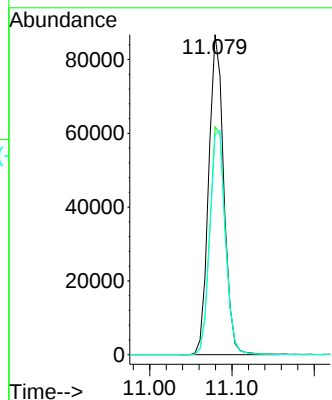
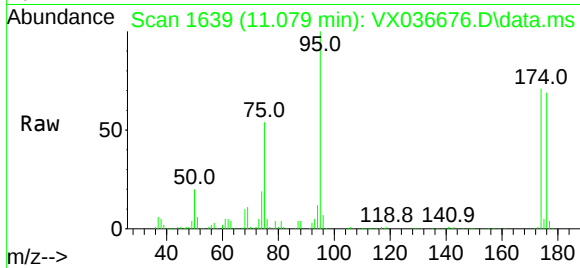




#62  
4-Bromofluorobenzene  
Concen: 48.349 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX036676.D  
Acq: 27 Jul 2023 15:04

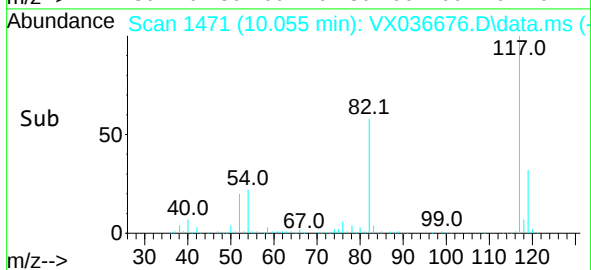
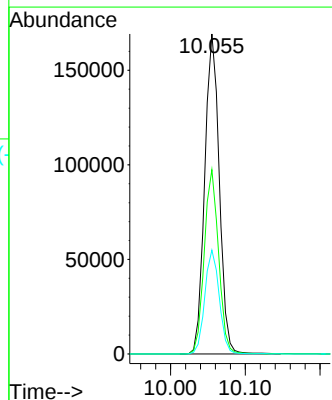
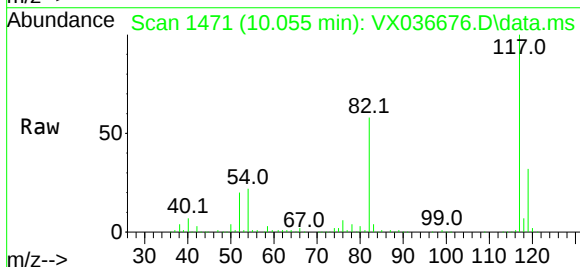
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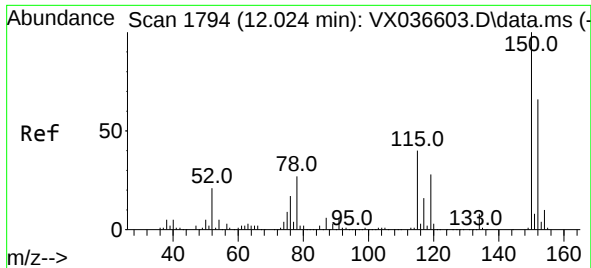
Tgt Ion: 95 Resp: 110468  
Ion Ratio Lower Upper  
95 100  
174 73.5 0.0 135.6  
176 72.1 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX036676.D  
Acq: 27 Jul 2023 15:04

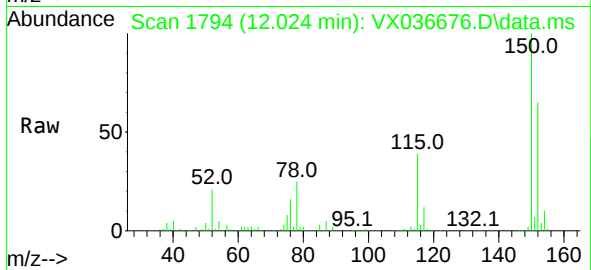
Tgt Ion: 117 Resp: 229146  
Ion Ratio Lower Upper  
117 100  
82 57.6 46.2 69.4  
119 32.5 25.5 38.3





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX036676.D  
 Acq: 27 Jul 2023 15:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MMC-COMP



Tgt Ion:152 Resp: 101291  
 Ion Ratio Lower Upper  
 152 100  
 115 62.3 43.3 129.9  
 150 157.8 0.0 345.0

