

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101823\  
 Data File : VX038365.D  
 Acq On : 18 Oct 2023 16:12  
 Operator : JC/MD  
 Sample : 04940-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GW-19-10-13

Quant Time: Oct 19 01:42:07 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

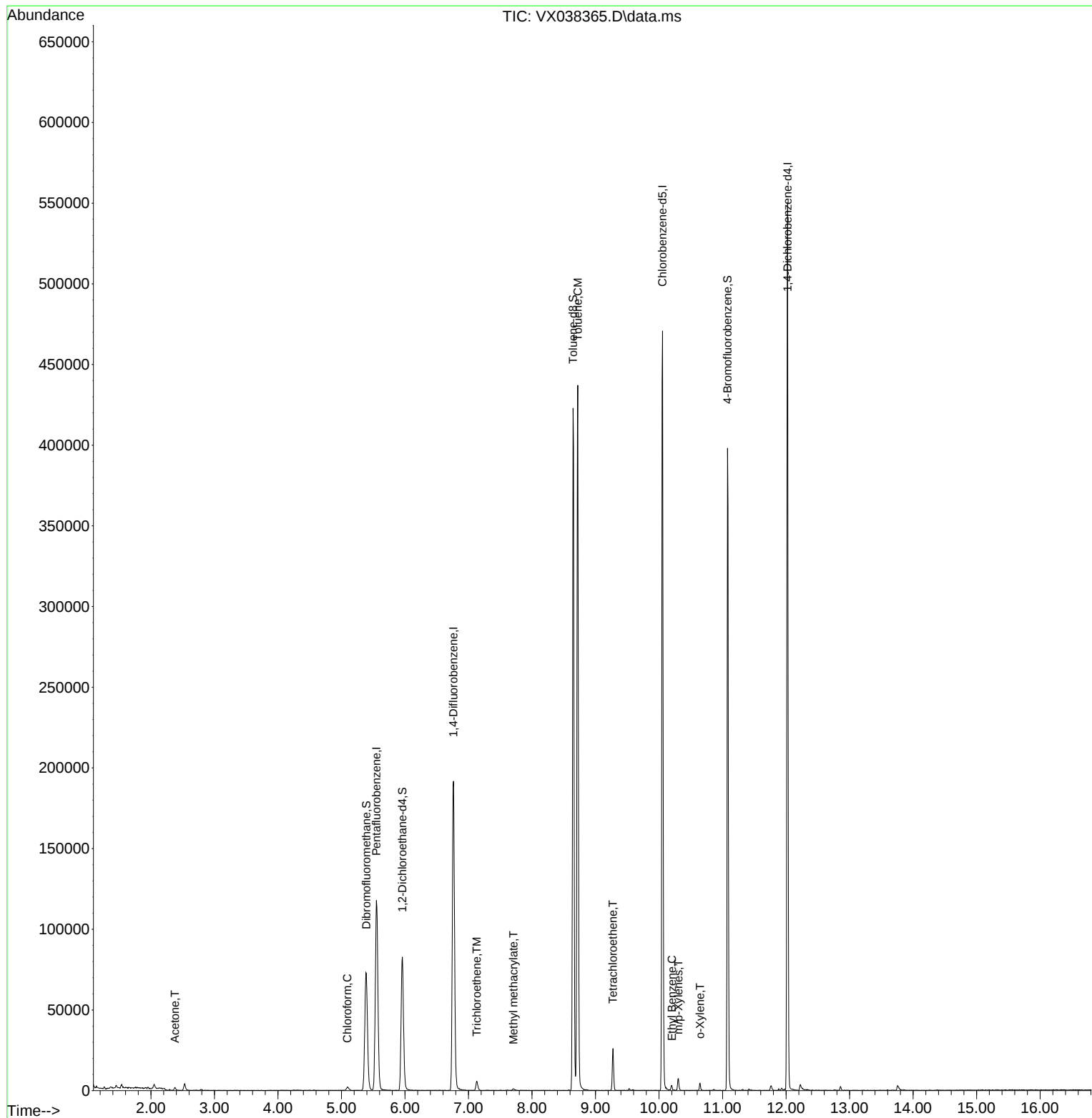
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.550  | 168   | 110626   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 201020   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 210720   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 111212   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 80252    | 45.102   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 90.200%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 63700    | 43.977   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 87.960%  |
| 50) Toluene-d8              | 8.647  | 98    | 255244   | 46.115   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 92.220%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 98805    | 47.087   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 94.180%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.380  | 43    | 1958     | 2.637    | ug/l   | 100      |
| 30) Chloroform              | 5.093  | 83    | 2471     | 0.981    | ug/l   | 96       |
| 44) Trichloroethene         | 7.129  | 130   | 2210     | 1.512    | ug/l   | 87       |
| 48) Methyl methacrylate     | 7.708  | 41    | 686      | 0.406    | ug/l # | 85       |
| 52) Toluene                 | 8.720  | 92    | 162393   | 44.623   | ug/l   | 93       |
| 64) Tetrachloroethene       | 9.275  | 164   | 4682     | 3.432    | ug/l # | 87       |
| 67) Ethyl Benzene           | 10.201 | 91    | 2232     | 0.284    | ug/l   | 91       |
| 68) m/p-Xylenes             | 10.305 | 106   | 1861     | 0.611    | ug/l   | 95       |
| 69) o-Xylene                | 10.646 | 106   | 1014     | 0.341    | ug/l   | 94       |
| -----                       |        |       |          |          |        |          |

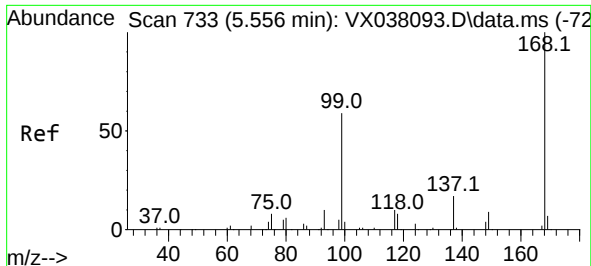
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 19 01:42:07 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

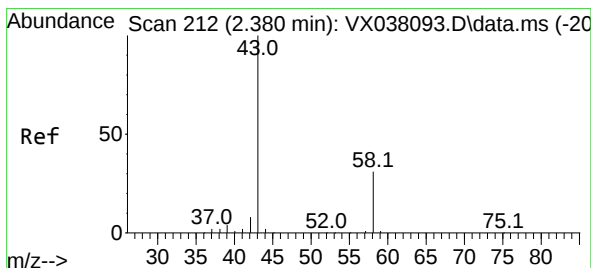
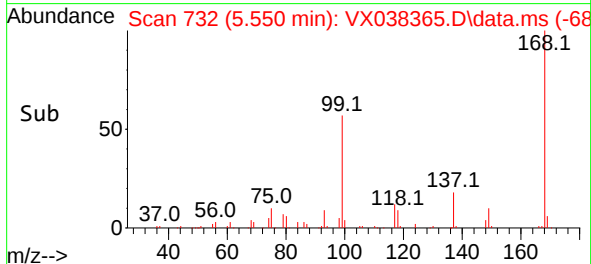
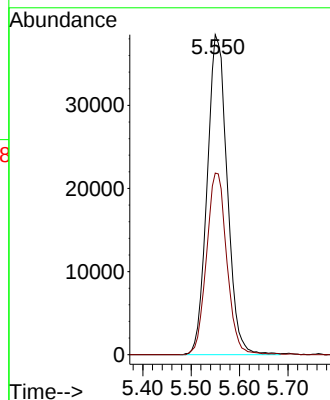
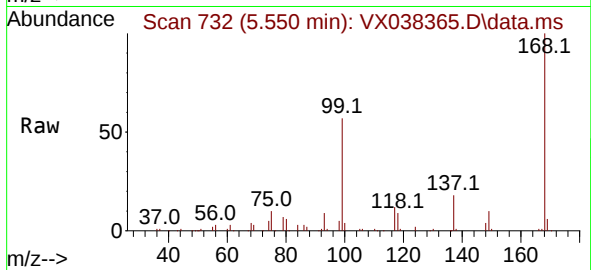




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX038365.D  
Acq: 18 Oct 2023 16:12

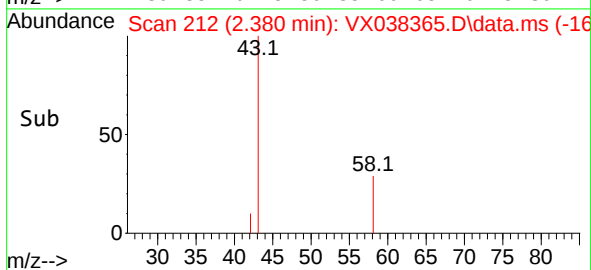
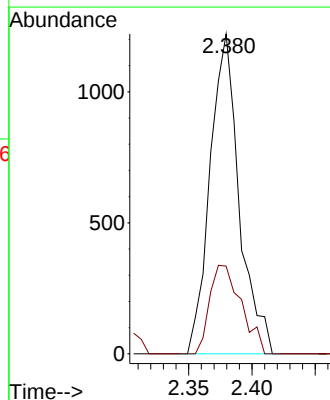
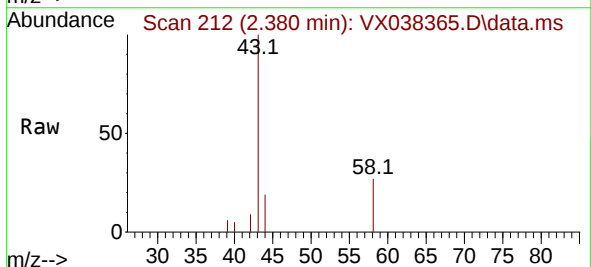
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-19-10-13

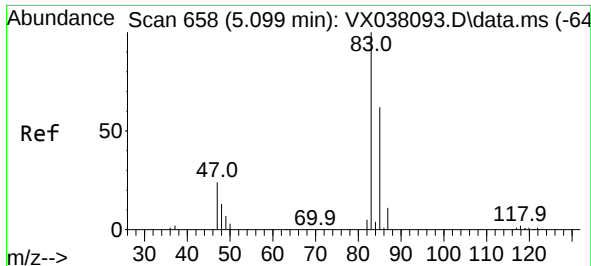
Tgt Ion:168 Resp: 110626  
Ion Ratio Lower Upper  
168 100  
99 56.8 56.6 85.0



#16  
Acetone  
Concen: 2.637 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX038365.D  
Acq: 18 Oct 2023 16:12

Tgt Ion: 43 Resp: 1958  
Ion Ratio Lower Upper  
43 100  
58 27.4 21.9 32.9





#30

Chloroform

Concen: 0.981 ug/l

RT: 5.093 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX038365.D

Acq: 18 Oct 2023 16:12

Instrument :

MSVOA\_X

ClientSampleId :

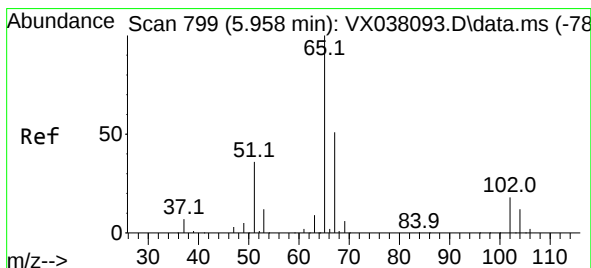
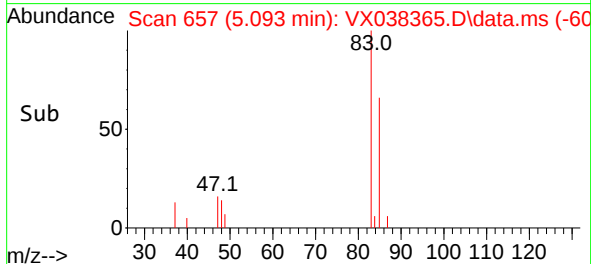
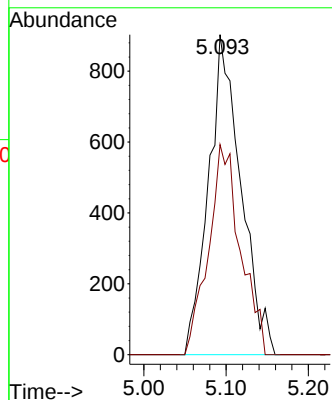
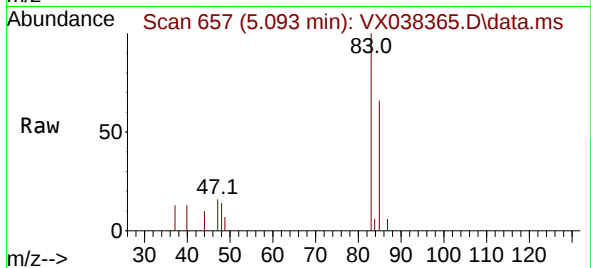
GW-19-10-13

Tgt Ion: 83 Resp: 2471

Ion Ratio Lower Upper

83 100

85 65.7 50.3 75.5



#33

1,2-Dichloroethane-d4

Concen: 45.102 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038365.D

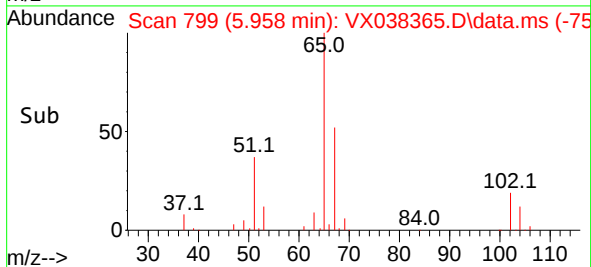
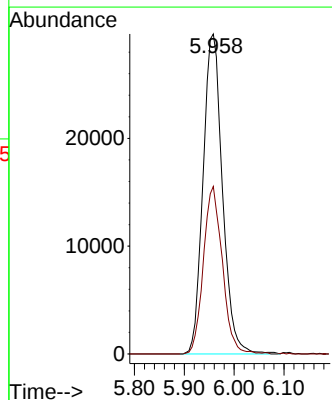
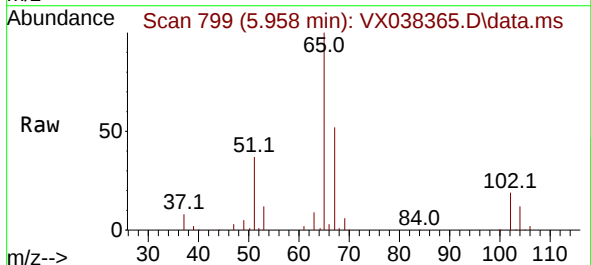
Acq: 18 Oct 2023 16:12

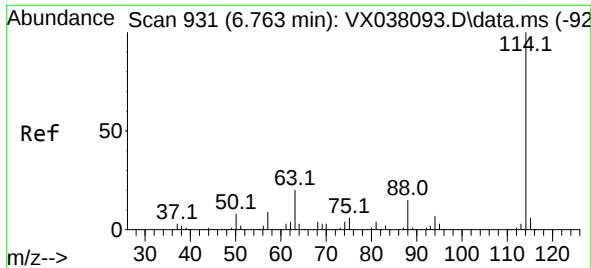
Tgt Ion: 65 Resp: 80252

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.2

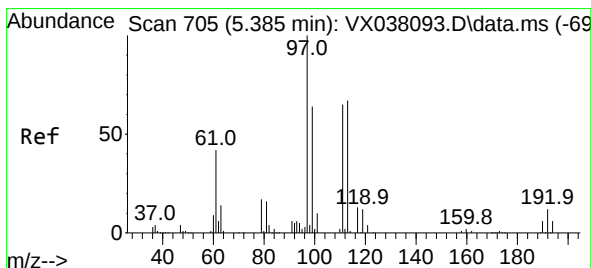
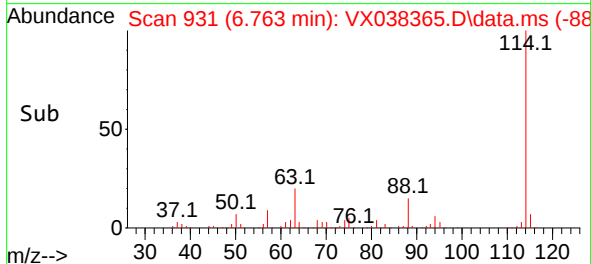
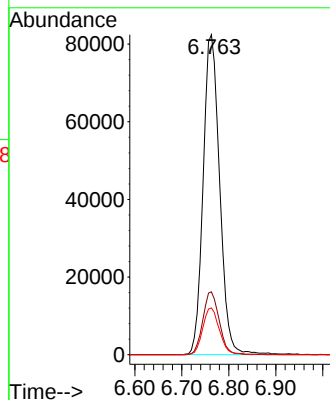
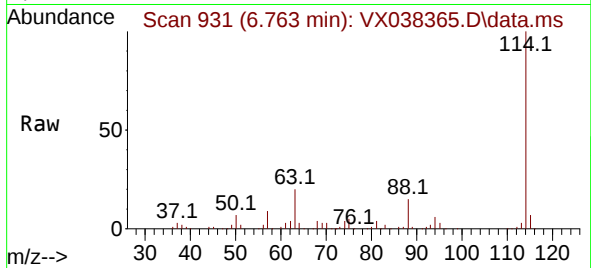




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX038365.D  
Acq: 18 Oct 2023 16:12

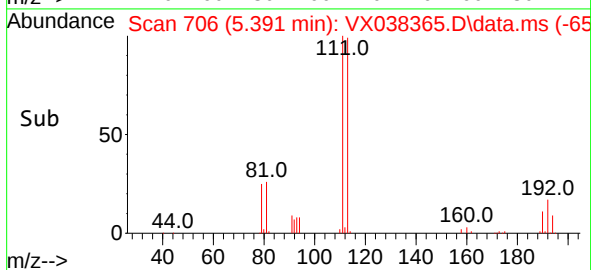
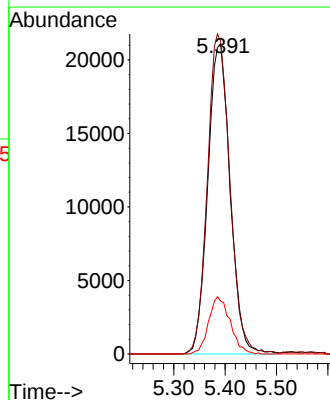
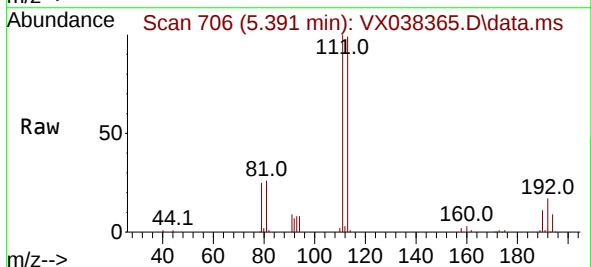
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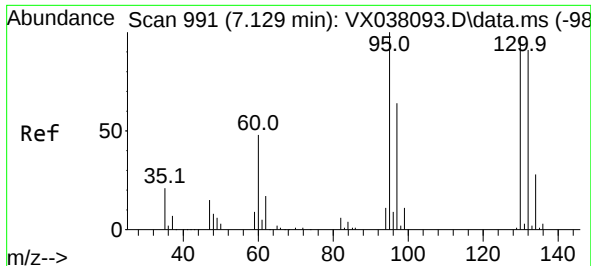
Tgt Ion:114 Resp: 201020  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 45.0  
88 14.6 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 43.977 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX038365.D  
Acq: 18 Oct 2023 16:12

Tgt Ion:113 Resp: 63700  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.9 124.3  
192 17.8 13.3 19.9

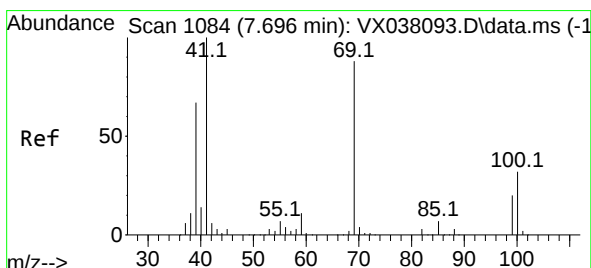
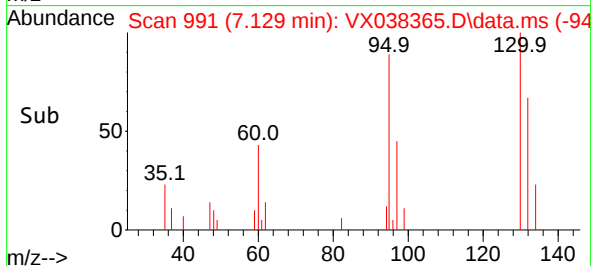
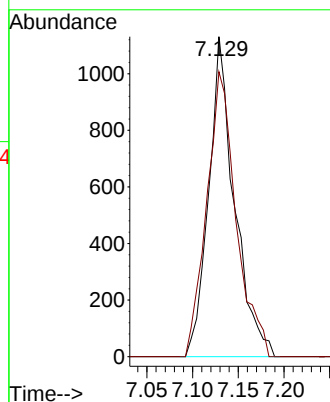
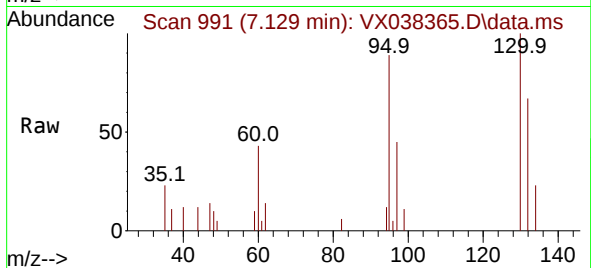




#44  
Trichloroethene  
Concen: 1.512 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX038365.D  
Acq: 18 Oct 2023 16:12

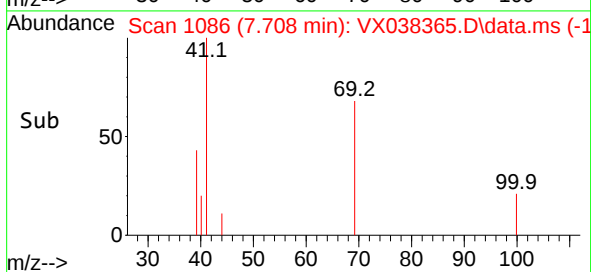
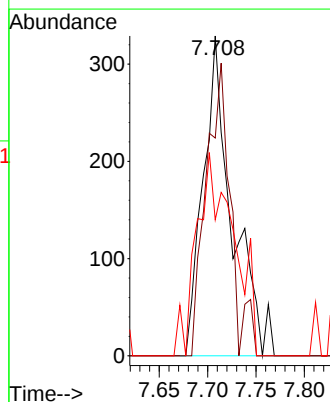
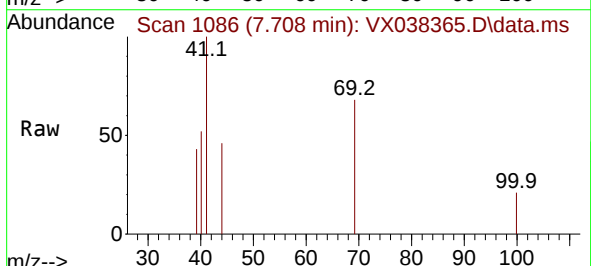
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-19-10-13

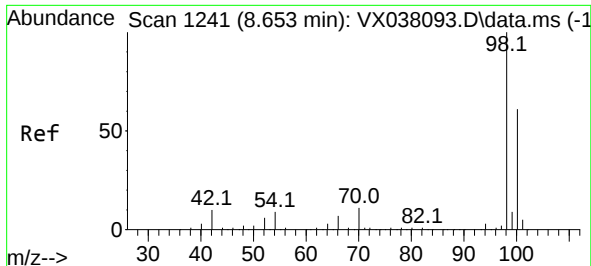
Tgt Ion:130 Resp: 2210  
Ion Ratio Lower Upper  
130 100  
95 89.0 0.0 204.4



#48  
Methyl methacrylate  
Concen: 0.406 ug/l  
RT: 7.708 min Scan# 1086  
Delta R.T. 0.018 min  
Lab File: VX038365.D  
Acq: 18 Oct 2023 16:12

Tgt Ion: 41 Resp: 686  
Ion Ratio Lower Upper  
41 100  
69 77.3 59.2 88.8  
39 81.2 47.7 71.5#

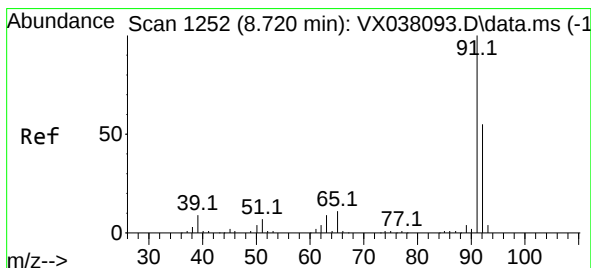
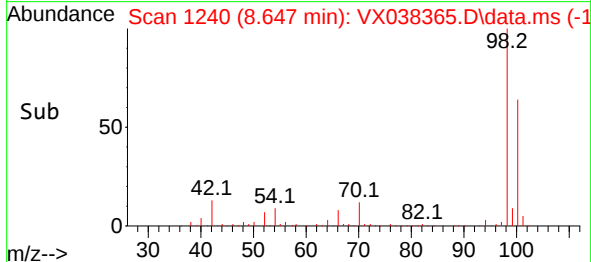
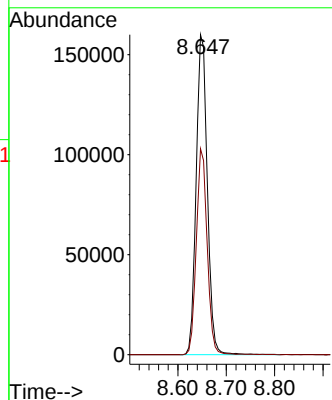
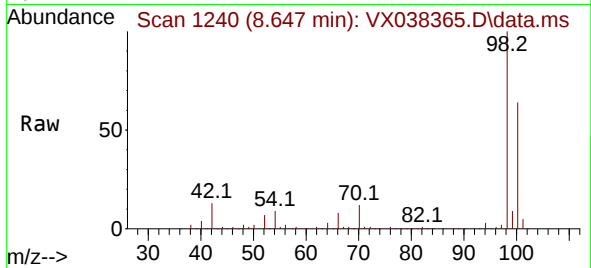




#50  
Toluene-d8  
Concen: 46.115 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX038365.D  
Acq: 18 Oct 2023 16:12

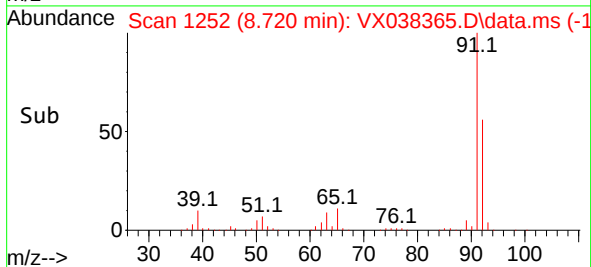
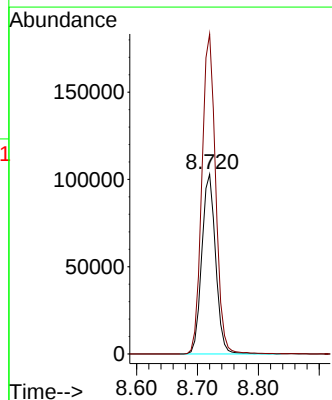
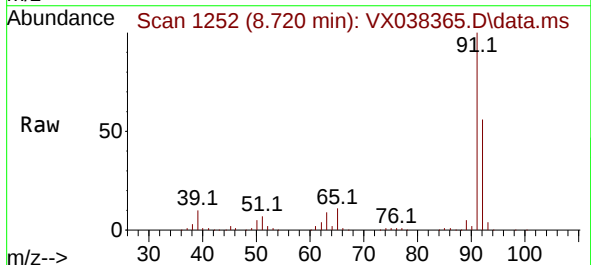
Instrument :  
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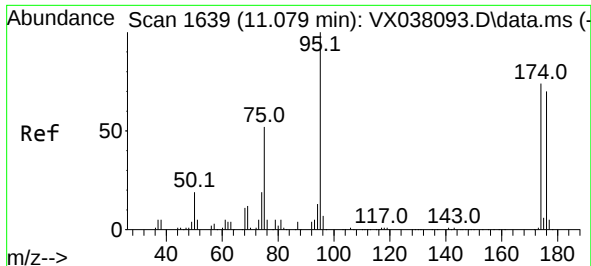
Tgt Ion: 98 Resp: 255244  
Ion Ratio Lower Upper  
98 100  
100 62.7 53.1 79.7



#52  
Toluene  
Concen: 44.623 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX038365.D  
Acq: 18 Oct 2023 16:12

Tgt Ion: 92 Resp: 162393  
Ion Ratio Lower Upper  
92 100  
91 177.3 134.2 201.2

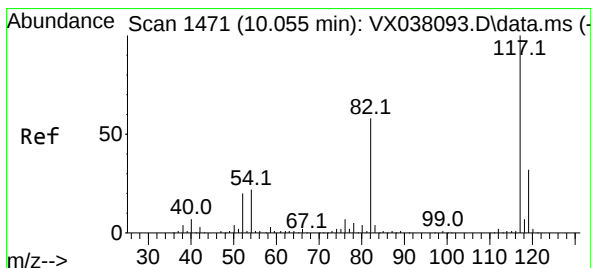
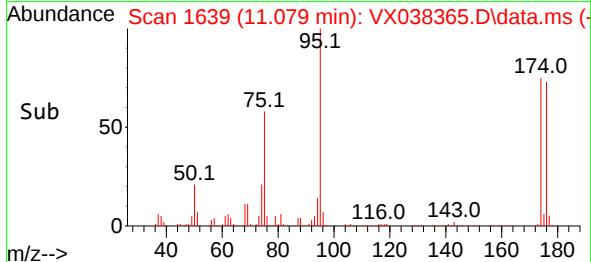
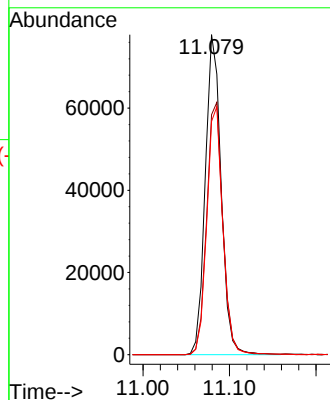
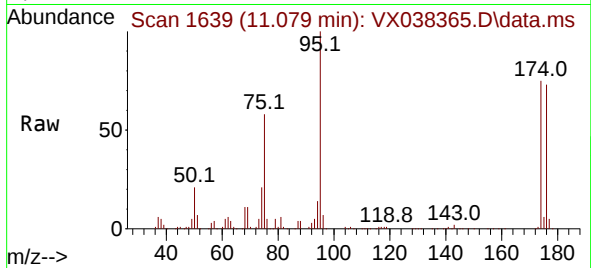




#62  
4-Bromofluorobenzene  
Concen: 47.087 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX038365.D  
Acq: 18 Oct 2023 16:12

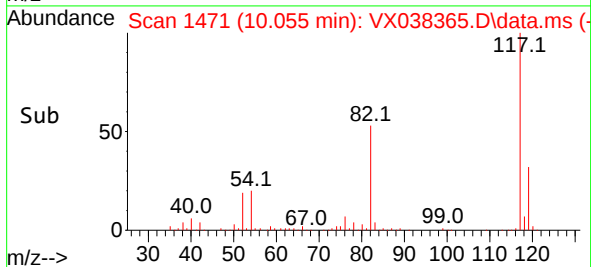
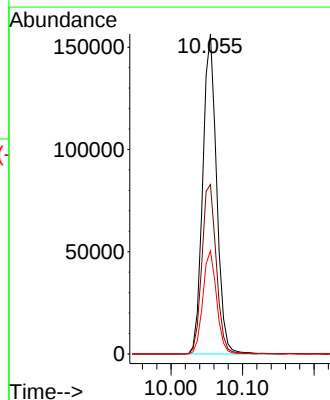
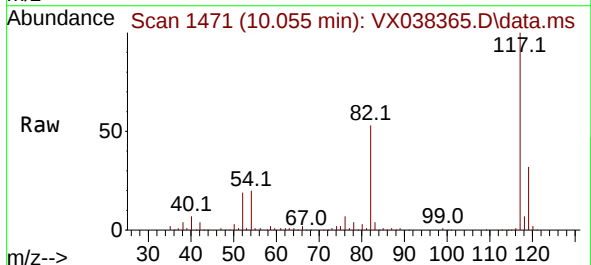
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MSVOA\_X  
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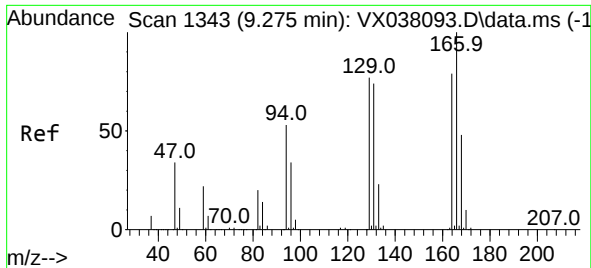
Tgt Ion: 95 Resp: 98805  
Ion Ratio Lower Upper  
95 100  
174 80.9 0.0 135.6  
176 78.4 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038365.D  
Acq: 18 Oct 2023 16:12

Tgt Ion: 117 Resp: 210720  
Ion Ratio Lower Upper  
117 100  
82 52.9 46.2 69.4  
119 32.2 25.5 38.3

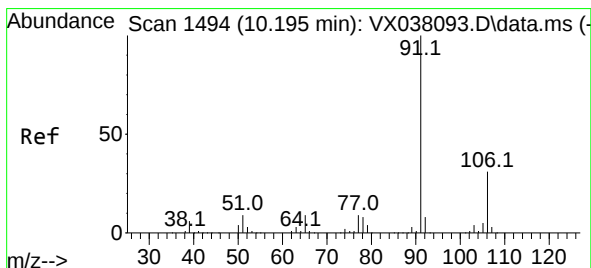
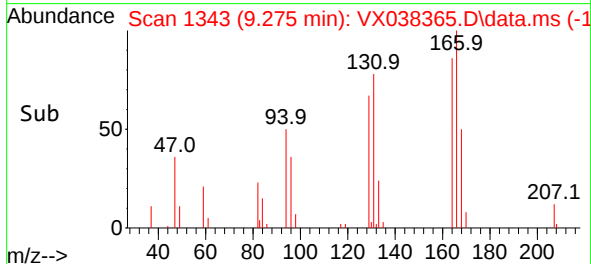
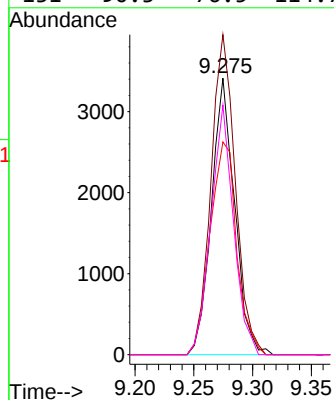
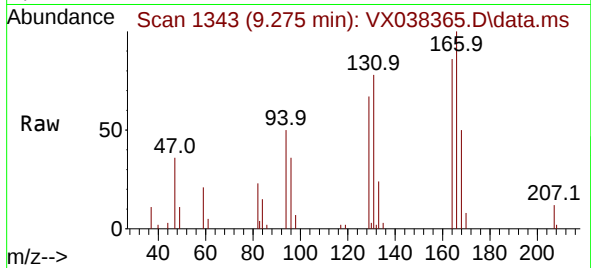




#64  
Tetrachloroethene  
Concen: 3.432 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX038365.D  
Acq: 18 Oct 2023 16:12

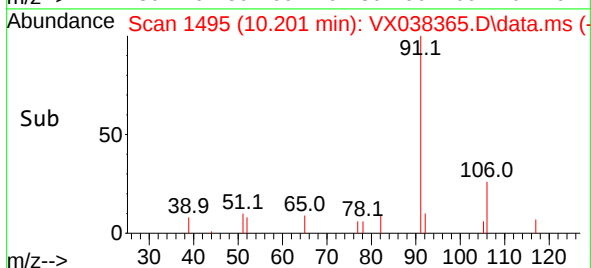
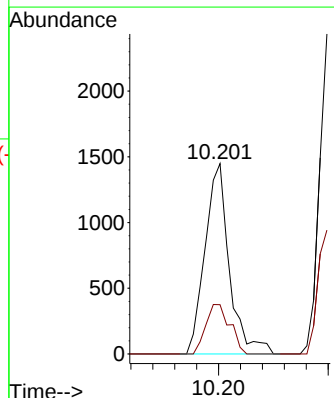
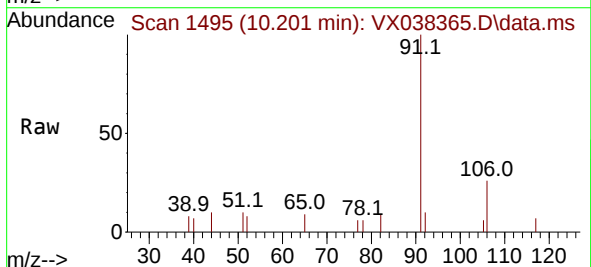
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-19-10-13

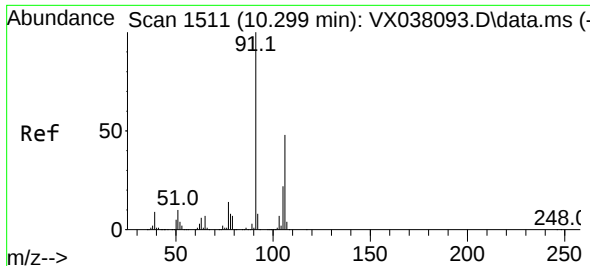
Tgt Ion:164 Resp: 4682  
Ion Ratio Lower Upper  
164 100  
166 115.7 102.7 154.1  
129 77.0 80.4 120.6#  
131 90.3 76.5 114.7



#67  
Ethyl Benzene  
Concen: 0.284 ug/l  
RT: 10.201 min Scan# 1495  
Delta R.T. 0.006 min  
Lab File: VX038365.D  
Acq: 18 Oct 2023 16:12

Tgt Ion: 91 Resp: 2232  
Ion Ratio Lower Upper  
91 100  
106 25.9 24.9 37.3

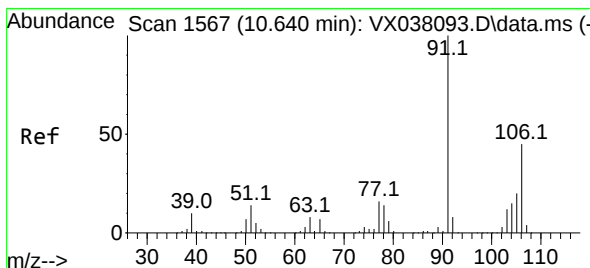
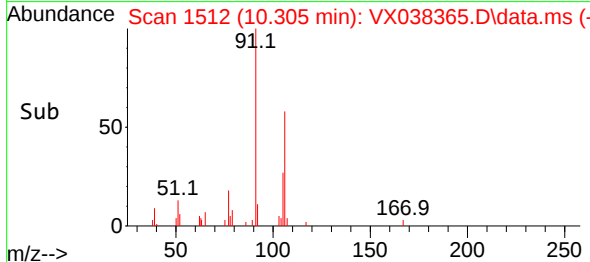
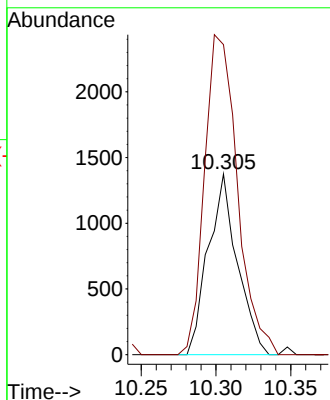
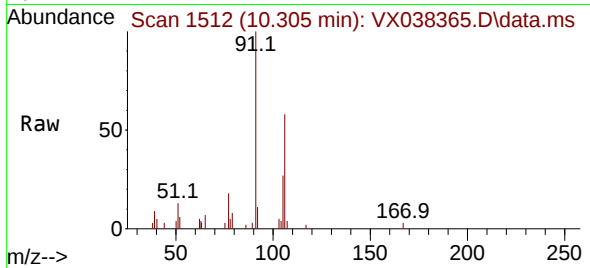




#68  
m/p-Xylenes  
Concen: 0.611 ug/l  
RT: 10.305 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX038365.D  
Acq: 18 Oct 2023 16:12

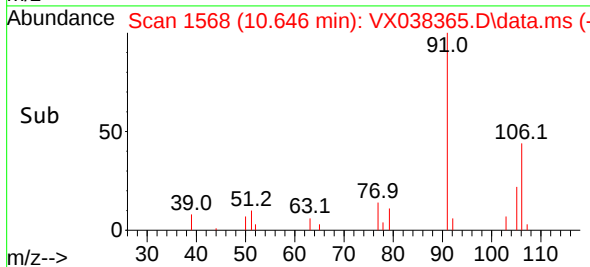
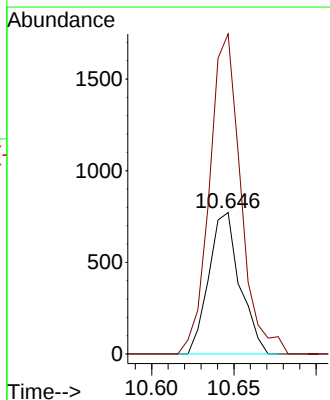
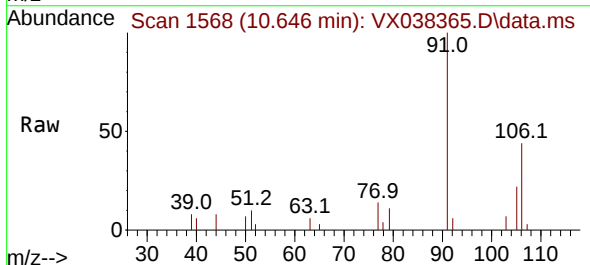
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-19-10-13

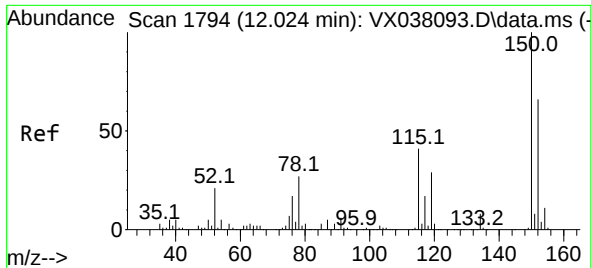
Tgt Ion:106 Resp: 1861  
Ion Ratio Lower Upper  
106 100  
91 199.9 165.5 248.3



#69  
o-Xylene  
Concen: 0.341 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.006 min  
Lab File: VX038365.D  
Acq: 18 Oct 2023 16:12

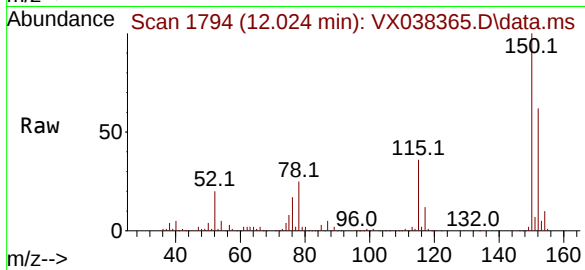
Tgt Ion:106 Resp: 1014  
Ion Ratio Lower Upper  
106 100  
91 227.8 108.9 326.8





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX038365.D  
 Acq: 18 Oct 2023 16:12

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GW-19-10-13



Tgt Ion:152 Resp: 111212  
 Ion Ratio Lower Upper  
 152 100  
 115 60.1 43.3 129.9  
 150 158.2 0.0 345.0

