

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111723\  
 Data File : VX038900.D  
 Acq On : 18 Nov 2023 01:39  
 Operator : JC/MD  
 Sample : 05404-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT17411-20231109

Quant Time: Nov 18 05:05:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

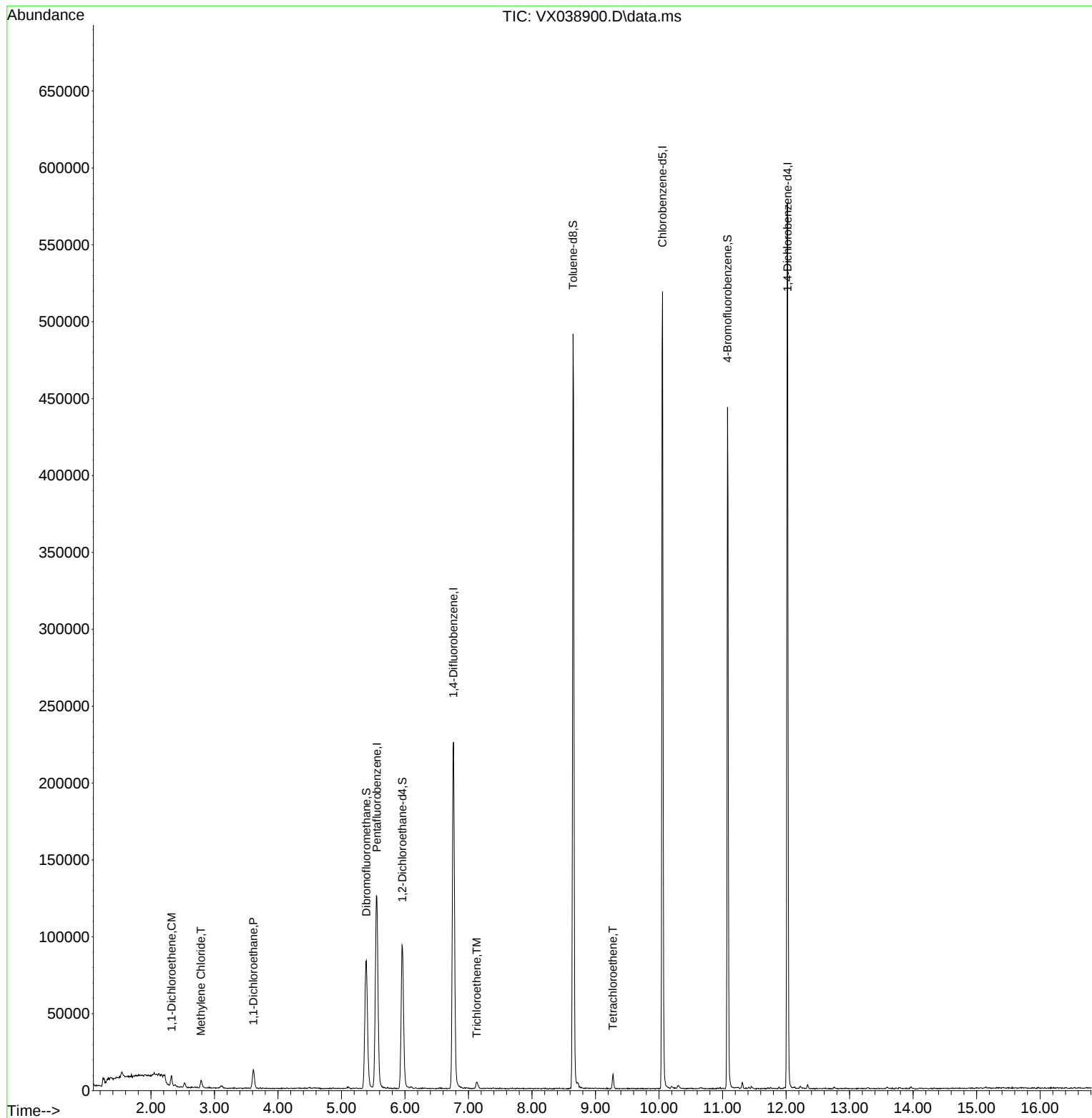
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 115917   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 231837   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 232534   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 117369   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 88194    | 47.218   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 94.440%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 74720    | 44.625   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 89.260%  |
| 50) Toluene-d8              | 8.647  | 98    | 291987   | 45.578   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 91.160%# |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 123328   | 48.091   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 96.180%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene      | 2.325  | 96    | 2111     | 1.461    | ug/l # | 60       |
| 20) Methylene Chloride      | 2.788  | 84    | 2292     | 1.279    | ug/l   | 85       |
| 24) 1,1-Dichloroethane      | 3.611  | 63    | 13326    | 4.491    | ug/l   | 98       |
| 44) Trichloroethene         | 7.129  | 130   | 1717     | 0.994    | ug/l   | 85       |
| 64) Tetrachloroethene       | 9.275  | 164   | 1099     | 0.760    | ug/l   | 97       |
| -----                       |        |       |          |          |        |          |

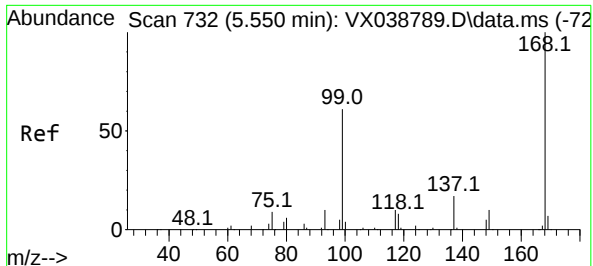
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Nov 16 22:59:22 2023  
Response via : Initial Calibration

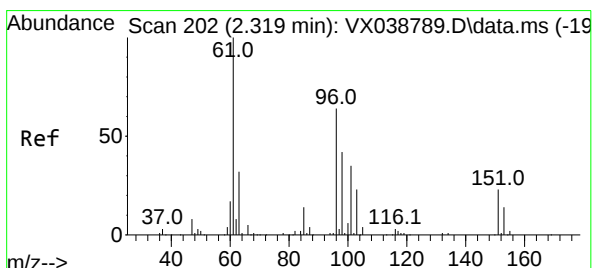
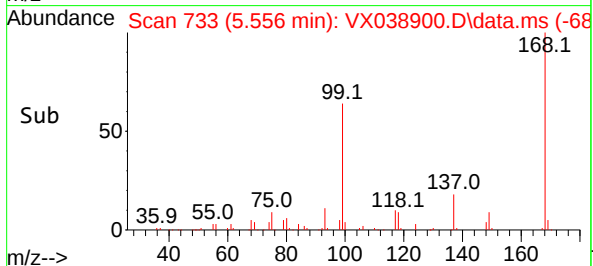
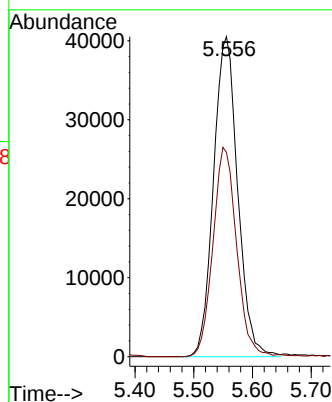
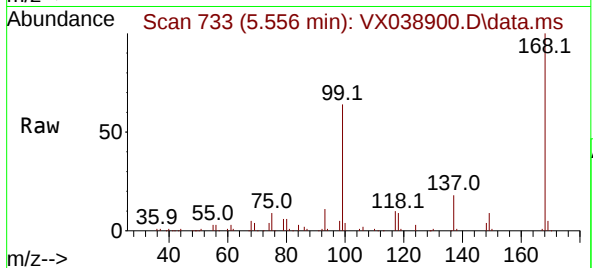




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX038900.D  
Acq: 18 Nov 2023 01:39

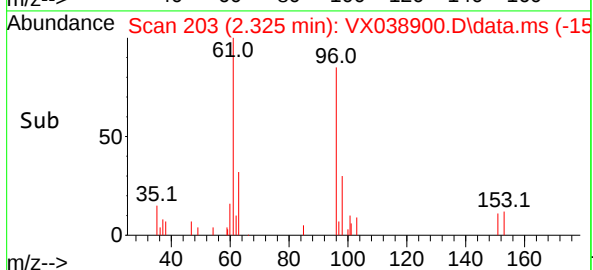
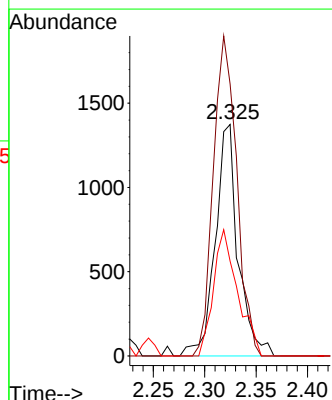
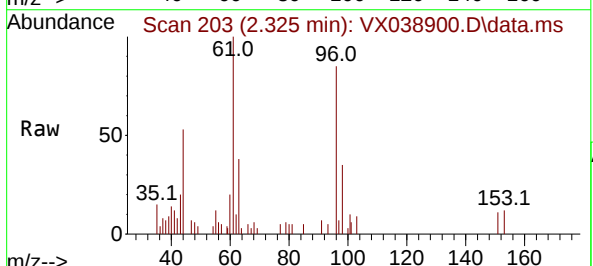
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT17411-20231109

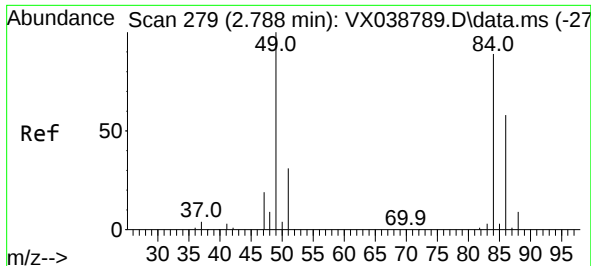
Tgt Ion:168 Resp: 115917  
Ion Ratio Lower Upper  
168 100  
99 63.8 56.6 85.0



#12  
1,1-Dichloroethene  
Concen: 1.461 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.006 min  
Lab File: VX038900.D  
Acq: 18 Nov 2023 01:39

Tgt Ion: 96 Resp: 2111  
Ion Ratio Lower Upper  
96 100  
61 117.4 144.6 216.8#  
98 40.9 50.4 75.6#

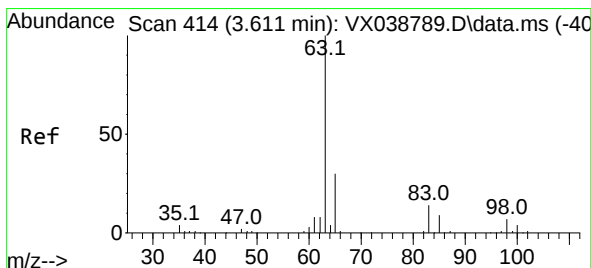
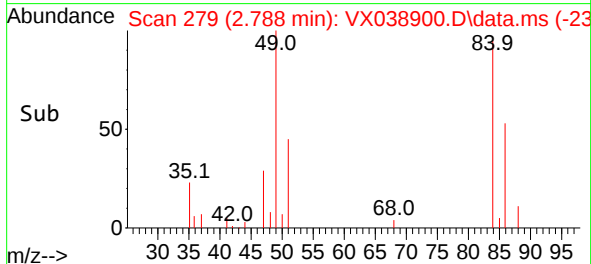
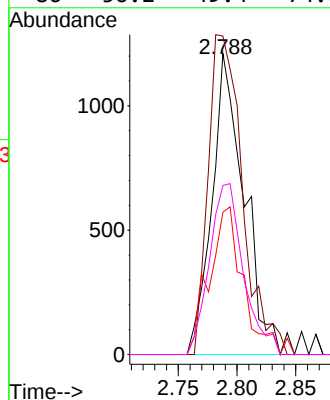
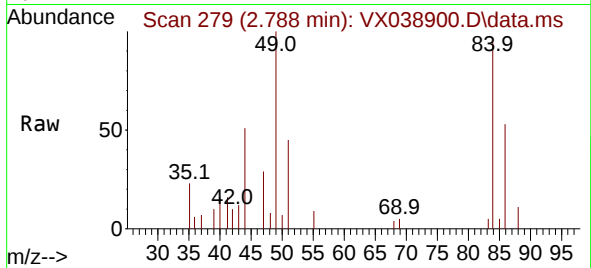




#20  
Methylene Chloride  
Concen: 1.279 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX038900.D  
Acq: 18 Nov 2023 01:39

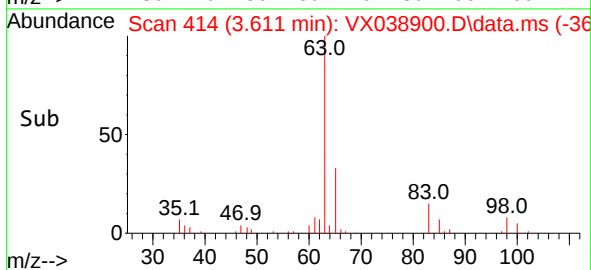
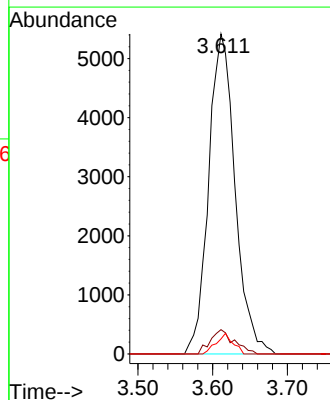
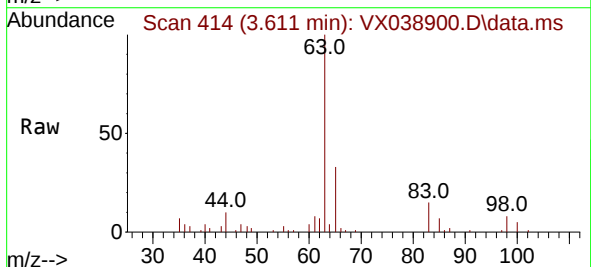
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TT17411-20231109

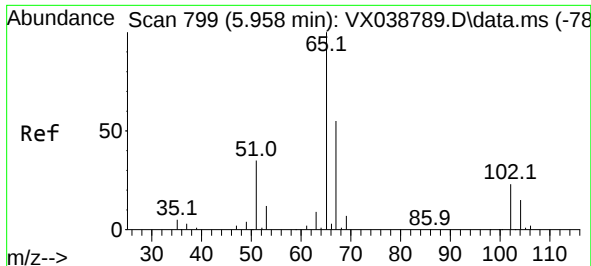
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 2292  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 105.8    | 103.6 155.4 |
| 51 47.4     | 33.8 50.6   |
| 86 56.2     | 49.4 74.0   |



#24  
1,1-Dichloroethane  
Concen: 4.491 ug/l  
RT: 3.611 min Scan# 414  
Delta R.T. -0.000 min  
Lab File: VX038900.D  
Acq: 18 Nov 2023 01:39

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 13326 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 98 7.6      | 3.3 9.8     |
| 100 4.7     | 2.1 6.5     |

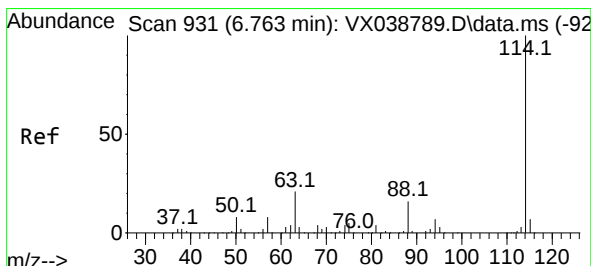
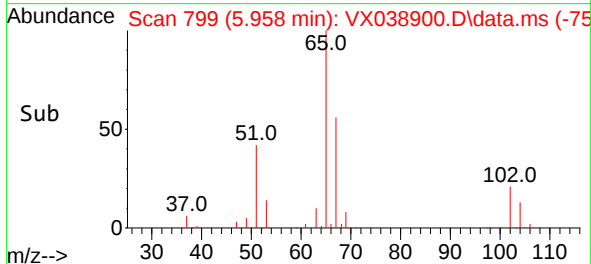
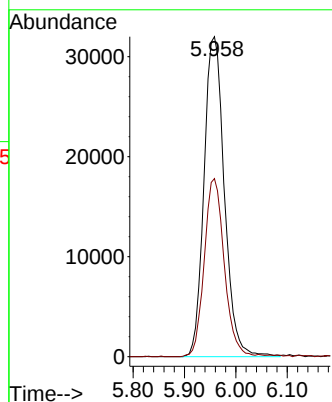
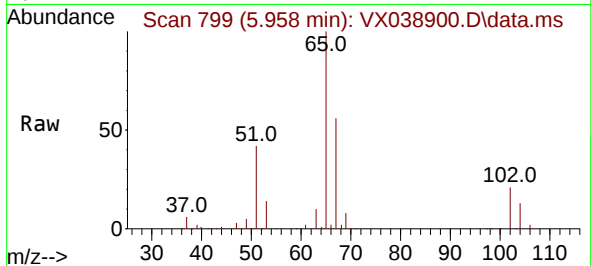




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.218 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. -0.000 min  
 Lab File: VX038900.D  
 Acq: 18 Nov 2023 01:39

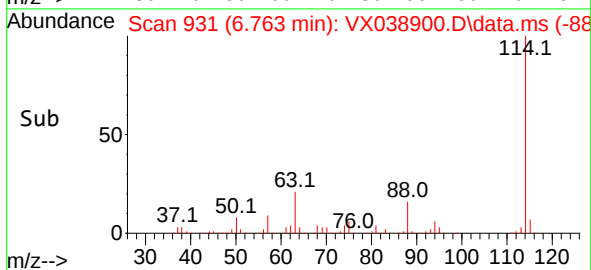
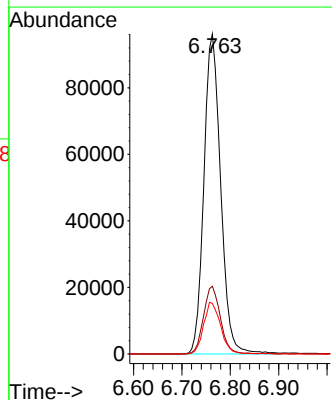
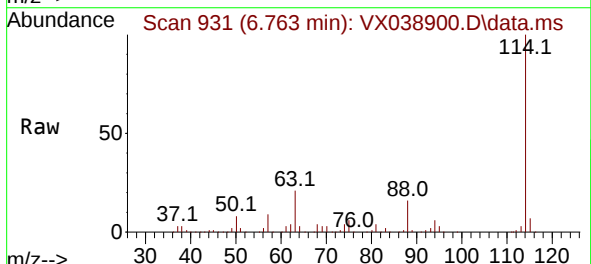
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT17411-20231109

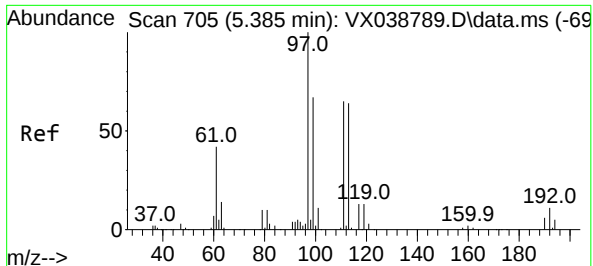
Tgt Ion: 65 Resp: 88194  
 Ion Ratio Lower Upper  
 65 100  
 67 54.4 0.0 100.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. -0.000 min  
 Lab File: VX038900.D  
 Acq: 18 Nov 2023 01:39

Tgt Ion: 114 Resp: 231837  
 Ion Ratio Lower Upper  
 114 100  
 63 21.1 0.0 45.0  
 88 15.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.625 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX038900.D

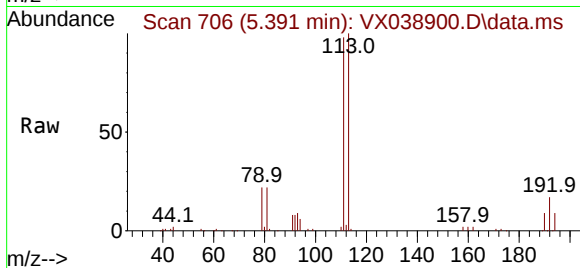
Acq: 18 Nov 2023 01:39

Instrument :

MSVOA\_X

ClientSampleId :

TT17411-20231109



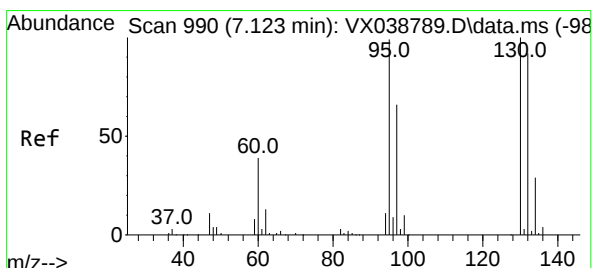
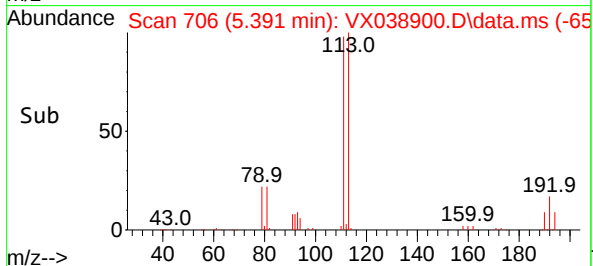
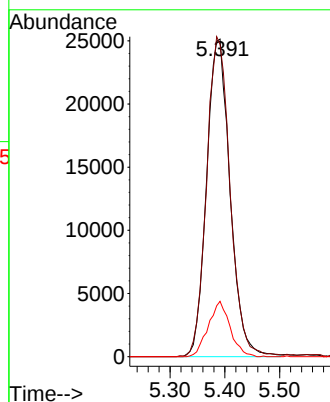
Tgt Ion:113 Resp: 74720

Ion Ratio Lower Upper

113 100

111 101.0 82.9 124.3

192 16.2 13.3 19.9



#44

Trichloroethene

Concen: 0.994 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX038900.D

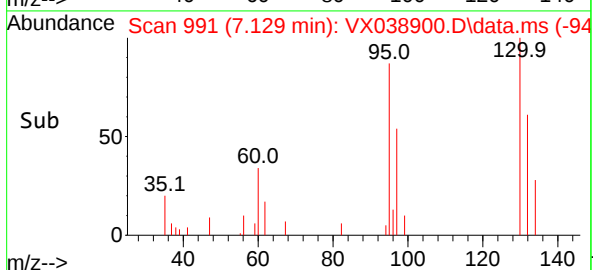
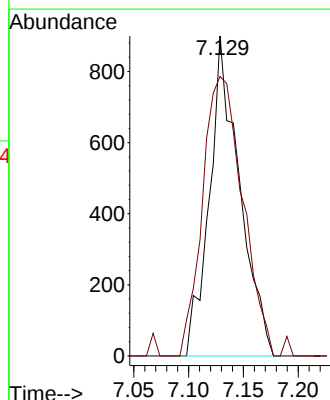
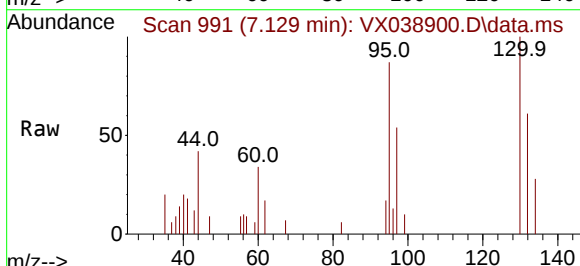
Acq: 18 Nov 2023 01:39

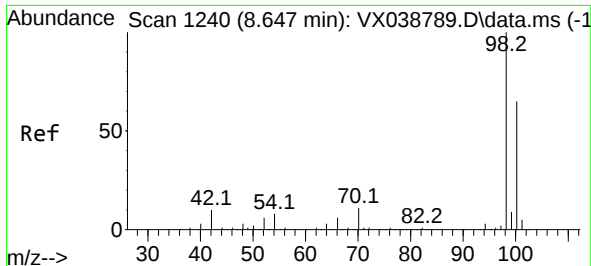
Tgt Ion:130 Resp: 1717

Ion Ratio Lower Upper

130 100

95 87.3 0.0 204.4

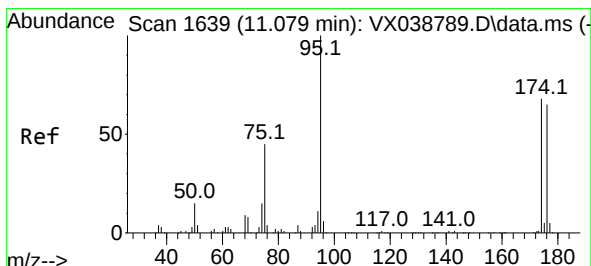
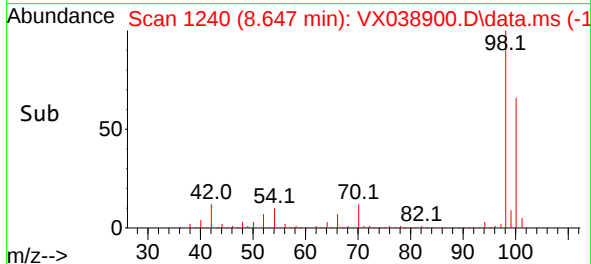
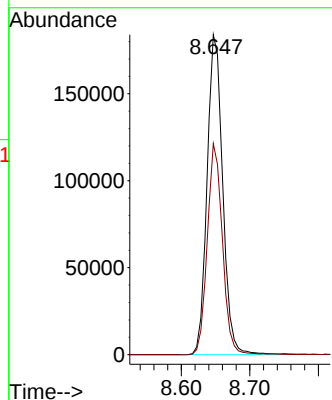
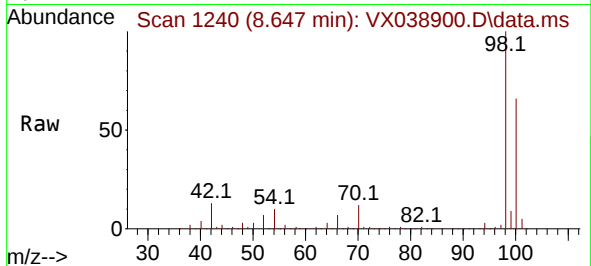




#50  
Toluene-d8  
Concen: 45.578 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX038900.D  
Acq: 18 Nov 2023 01:39

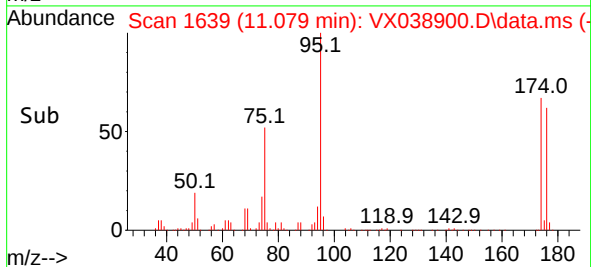
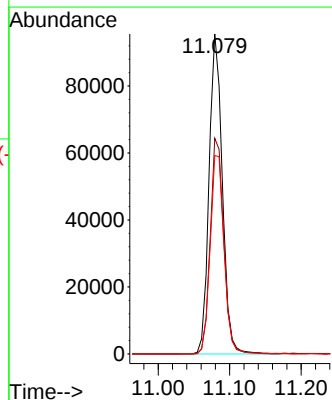
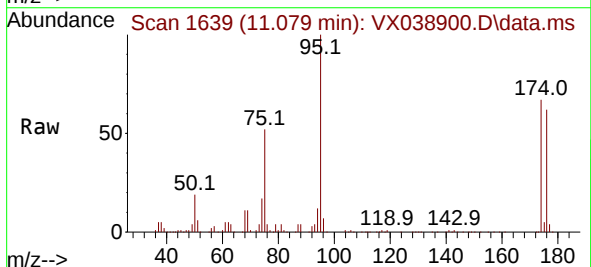
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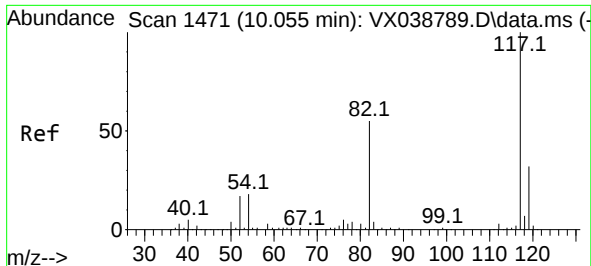
Tgt Ion: 98 Resp: 291987  
Ion Ratio Lower Upper  
98 100  
100 64.2 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 48.091 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX038900.D  
Acq: 18 Nov 2023 01:39

Tgt Ion: 95 Resp: 123328  
Ion Ratio Lower Upper  
95 100  
174 68.5 0.0 135.6  
176 64.7 0.0 131.0

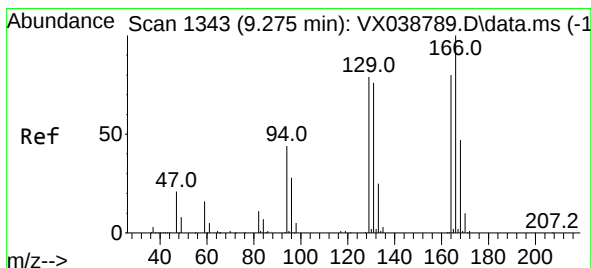
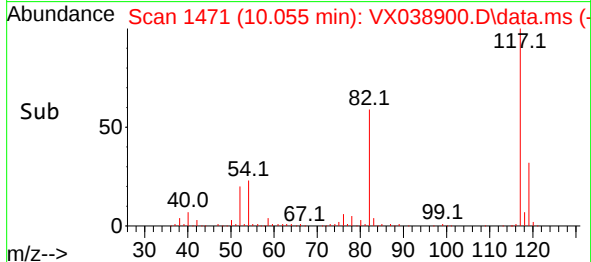
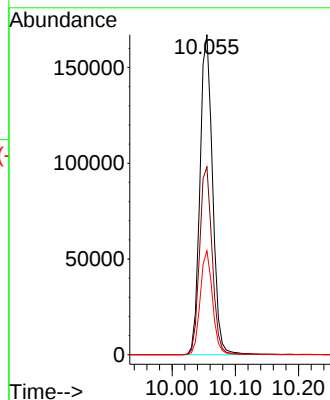
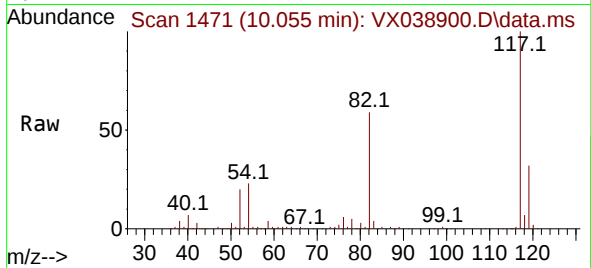




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX038900.D  
Acq: 18 Nov 2023 01:39

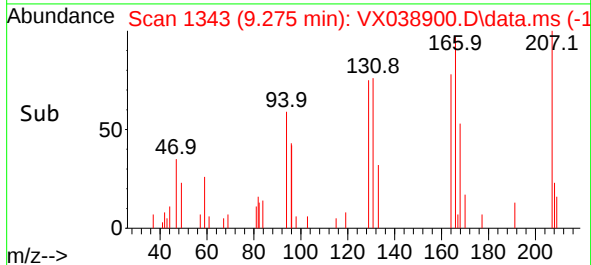
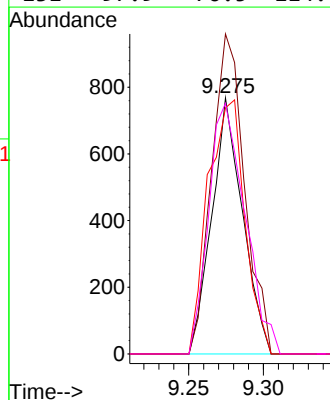
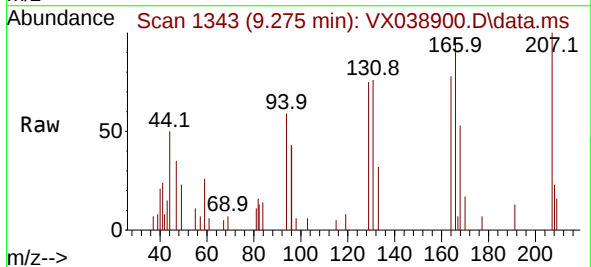
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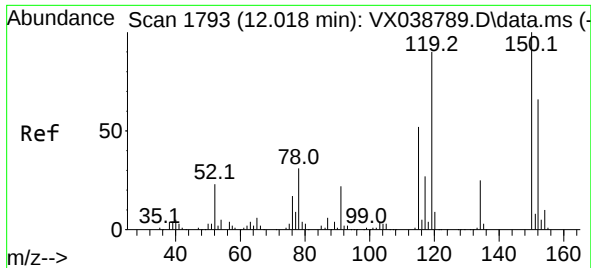
Tgt Ion:117 Resp: 232534  
Ion Ratio Lower Upper  
117 100  
82 58.6 46.2 69.4  
119 32.4 25.5 38.3



#64  
Tetrachloroethene  
Concen: 0.760 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX038900.D  
Acq: 18 Nov 2023 01:39

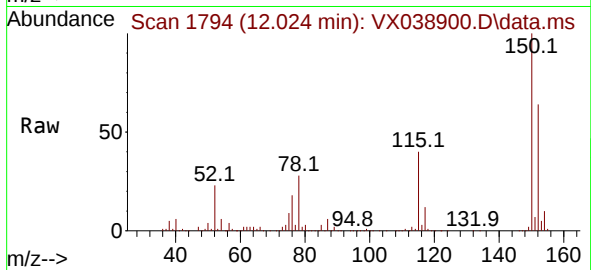
Tgt Ion:164 Resp: 1099  
Ion Ratio Lower Upper  
164 100  
166 125.0 102.7 154.1  
129 96.1 80.4 120.6  
131 97.9 76.5 114.7





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX038900.D  
 Acq: 18 Nov 2023 01:39

Instrument :  
 MSVOA\_X  
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 TT17411-20231109



|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:152 | Resp: | 117369 |       |
| Ion         | Ratio | Lower  | Upper |
| 152         | 100   |        |       |
| 115         | 65.3  | 43.3   | 129.9 |
| 150         | 157.0 | 0.0    | 345.0 |

