

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082223\  
 Data File : VX037162.D  
 Acq On : 22 Aug 2023 19:19  
 Operator : JC/MD  
 Sample : 04051-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT180D2-20230816

Quant Time: Aug 23 01:47:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

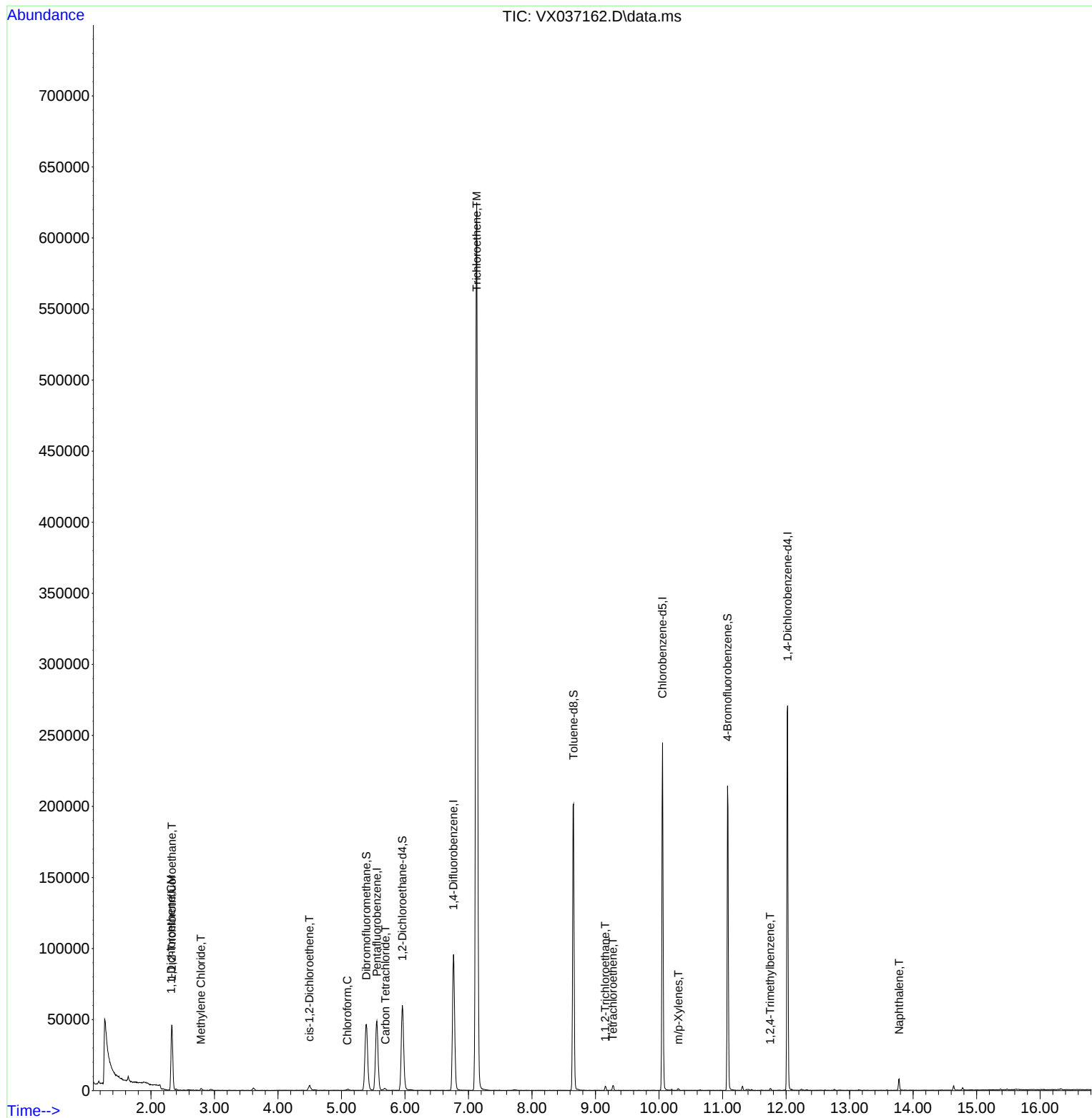
| Compound                     | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                        |           |       |          |          |             |          |
| Internal Standards           |           |       |          |          |             |          |
| 1) Pentafluorobenzene        | 5.556     | 168   | 44810    | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763     | 114   | 100780   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5         | 10.055    | 117   | 109135   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024    | 152   | 56751    | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds  |           |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4    | 5.958     | 65    | 61282    | 94.861   | ug/l        | 0.00     |
| Spiked Amount                | 50.000    | Range | 78 - 117 | Recovery | = 189.720%# |          |
| 35) Dibromofluoromethane     | 5.391     | 113   | 41709    | 62.491   | ug/l        | 0.00     |
| Spiked Amount                | 50.000    | Range | 75 - 124 | Recovery | = 124.980%# |          |
| 50) Toluene-d8               | 8.652     | 98    | 126600   | 52.291   | ug/l        | 0.00     |
| Spiked Amount                | 50.000    | Range | 92 - 112 | Recovery | = 104.580%  |          |
| 62) 4-Bromofluorobenzene     | 11.079    | 95    | 60138    | 63.207   | ug/l        | 0.00     |
| Spiked Amount                | 50.000    | Range | 83 - 123 | Recovery | = 126.420%# |          |
| Target Compounds             |           |       |          |          |             |          |
|                              |           |       |          |          |             | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo... | 2.330     | 101   | 11740    | 24.785   | ug/l        | 98       |
| 12) 1,1-Dichloroethene       | 2.318     | 96    | 7965     | 17.267   | ug/l        | 84       |
| 20) Methylene Chloride       | 2.788     | 84    | 624      | 1.104    | ug/l #      | 84       |
| 27) cis-1,2-Dichloroethene   | 4.495     | 96    | 2360     | 3.818    | ug/l        | 78       |
| 30) Chloroform               | 5.092     | 83    | 1009     | 0.978    | ug/l        | 89       |
| 38) Carbon Tetrachloride     | 5.690     | 117   | 1247     | 1.211    | ug/l        | 88       |
| 44) Trichloroethene          | 7.128     | 130   | 245203   | 317.968  | ug/l        | 96       |
| 55) 1,1,2-Trichloroethane    | 9.152     | 97    | 894      | 1.222    | ug/l        | 95       |
| 64) Tetrachloroethene        | 9.274     | 164   | 254      | 0.319    | ug/l #      | 85       |
| 68) m/p-Xylenes              | 10.305    | 106   | 398      | 0.254    | ug/l        | 83       |
| 84) 1,2,4-Trimethylbenzene   | 11.749    | 105   | 937      | 0.269    | ug/l        | 100      |
| 95) Naphthalene              | 13.780    | 128   | 6025     | 1.273    | ug/l        | 95       |
| -----                        |           |       |          |          |             |          |

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

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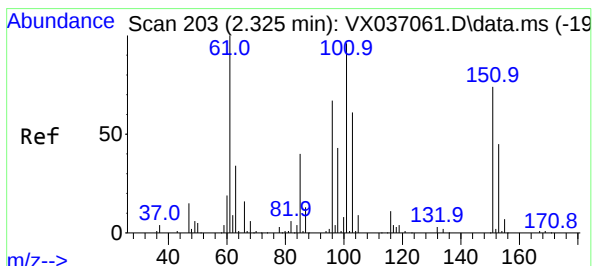
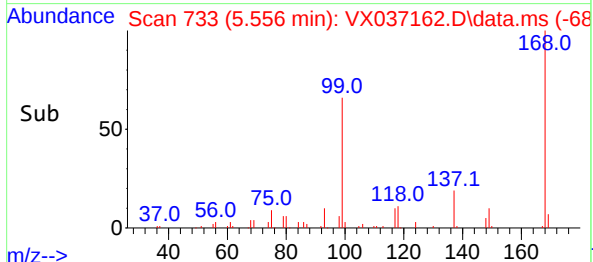
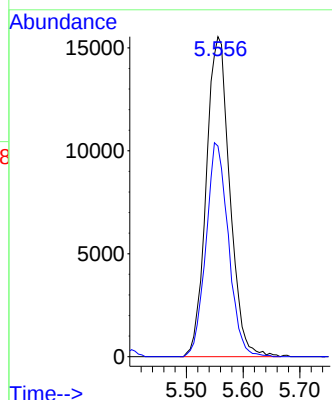
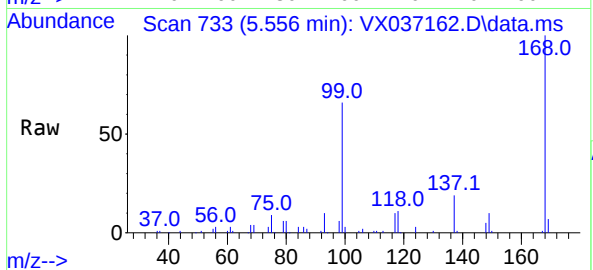




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

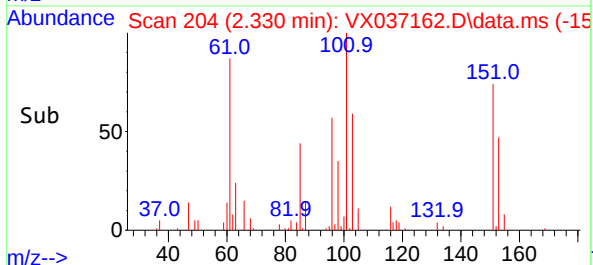
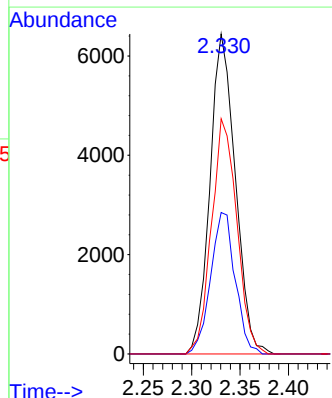
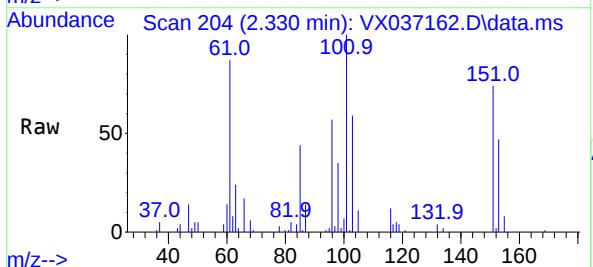
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT180D2-20230816

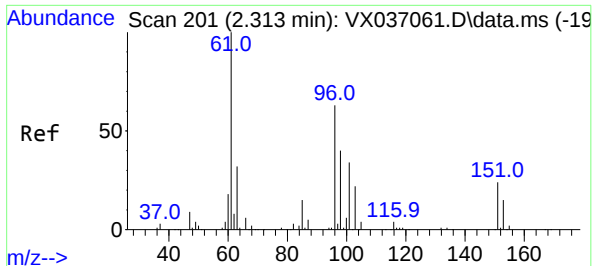
Tgt Ion:168 Resp: 44810  
Ion Ratio Lower Upper  
168 100  
99 65.8 56.6 85.0



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 24.785 ug/l  
RT: 2.330 min Scan# 204  
Delta R.T. 0.006 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

Tgt Ion:101 Resp: 11740  
Ion Ratio Lower Upper  
101 100  
85 42.8 37.0 55.6  
151 73.5 58.6 87.8





#12

1,1-Dichloroethene

Concen: 17.267 ug/l

RT: 2.318 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX037162.D

Acq: 22 Aug 2023 19:19

Instrument :

MSVOA\_X

ClientSampleId :

TT180D2-20230816

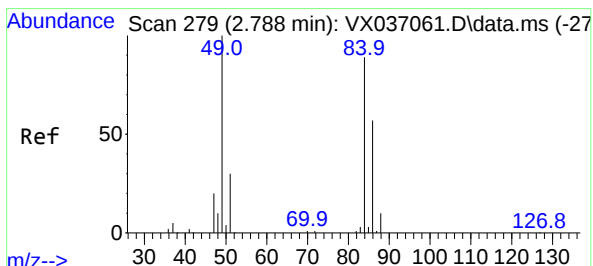
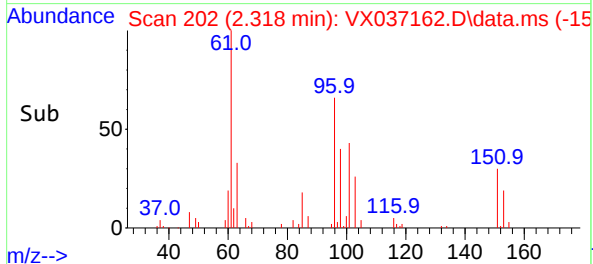
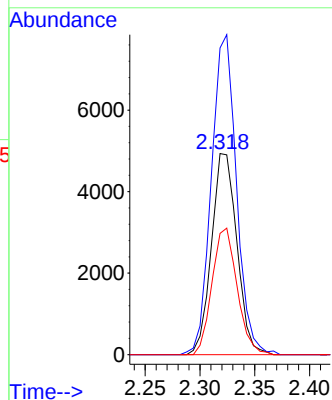
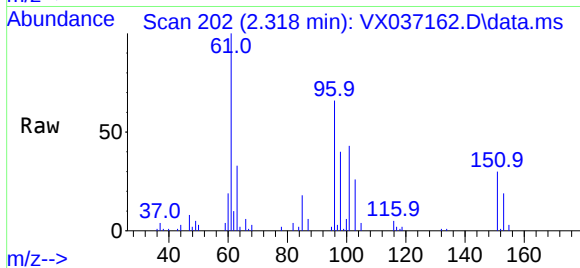
Tgt Ion: 96 Resp: 7965

Ion Ratio Lower Upper

96 100

61 152.6 144.6 216.8

98 60.3 50.4 75.6



#20

Methylene Chloride

Concen: 1.104 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX037162.D

Acq: 22 Aug 2023 19:19

Tgt Ion: 84 Resp: 624

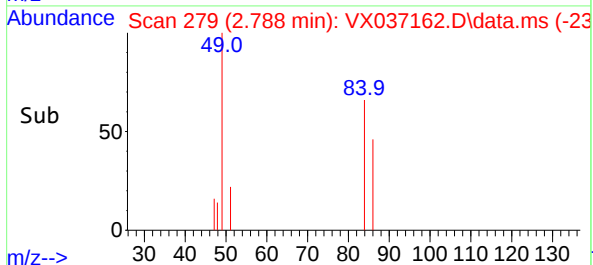
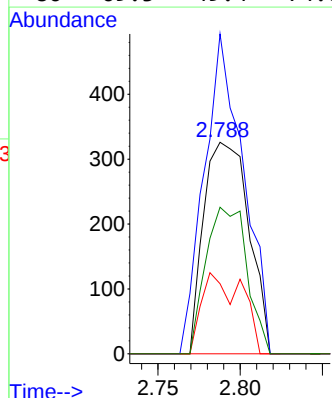
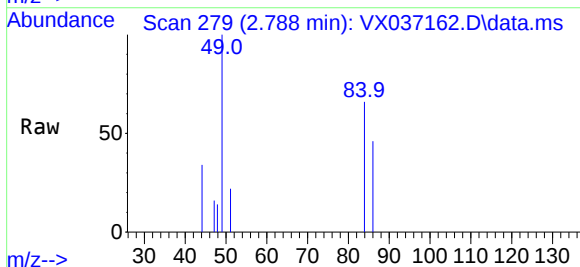
Ion Ratio Lower Upper

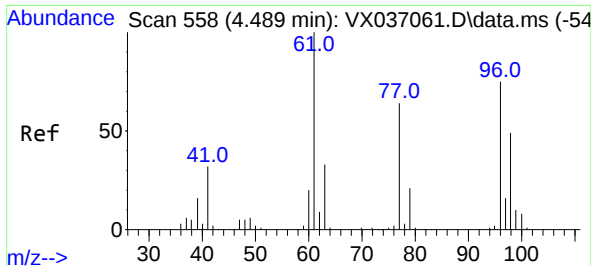
84 100

49 151.2 103.6 155.4

51 33.1 33.8 50.6#

86 69.3 49.4 74.0

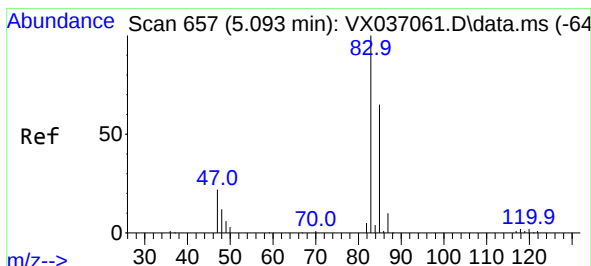
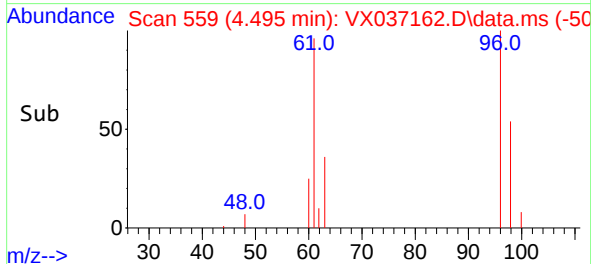
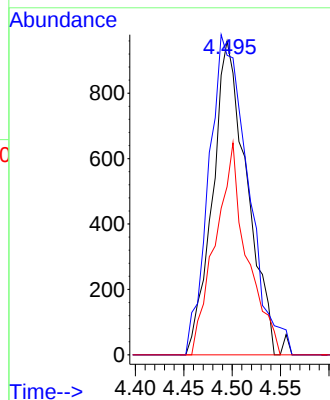
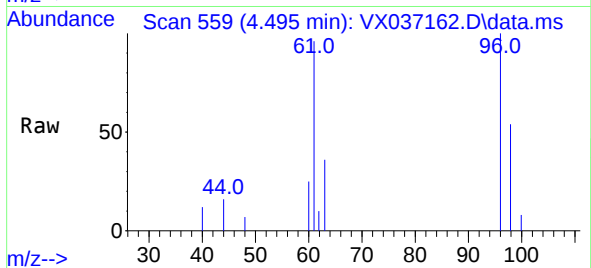




#27  
cis-1,2-Dichloroethene  
Concen: 3.818 ug/l  
RT: 4.495 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

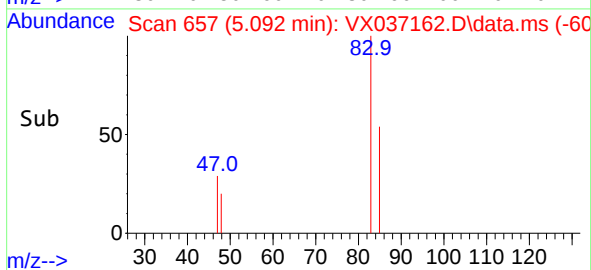
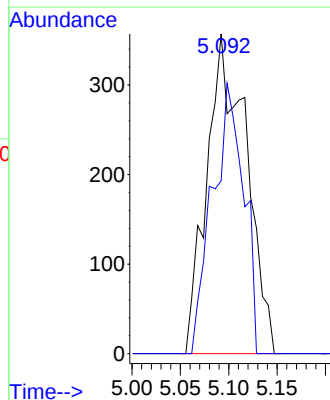
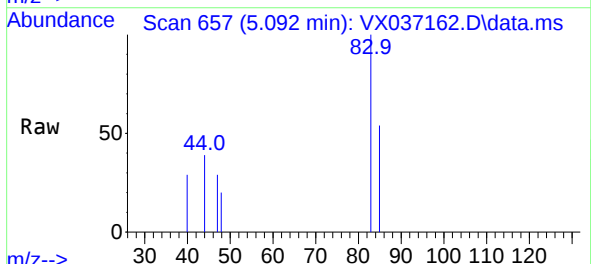
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT180D2-20230816

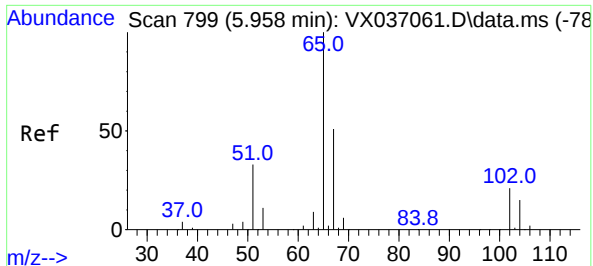
Tgt Ion: 96 Resp: 2360  
Ion Ratio Lower Upper  
96 100  
61 116.7 0.0 312.2  
98 62.4 0.0 129.0



#30  
Chloroform  
Concen: 0.978 ug/l  
RT: 5.092 min Scan# 657  
Delta R.T. -0.000 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

Tgt Ion: 83 Resp: 1009  
Ion Ratio Lower Upper  
83 100  
85 54.1 50.3 75.5

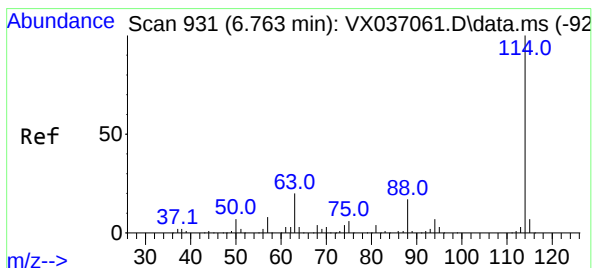
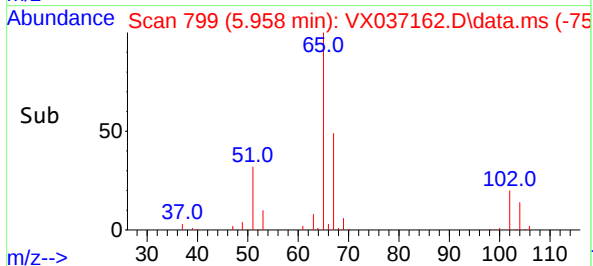
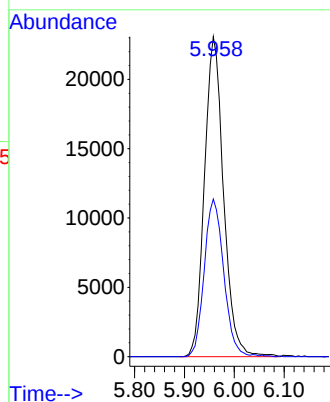
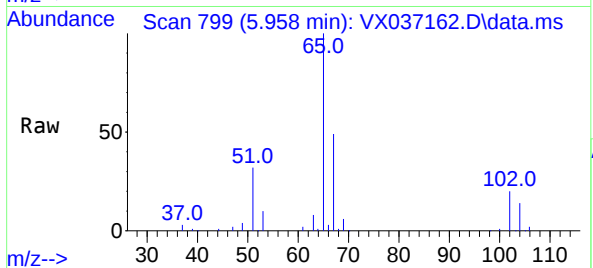




#33  
 1,2-Dichloroethane-d4  
 Concen: 94.861 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. -0.000 min  
 Lab File: VX037162.D  
 Acq: 22 Aug 2023 19:19

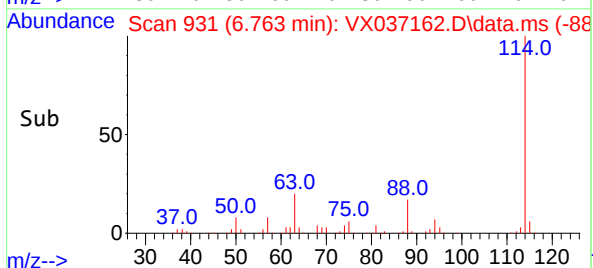
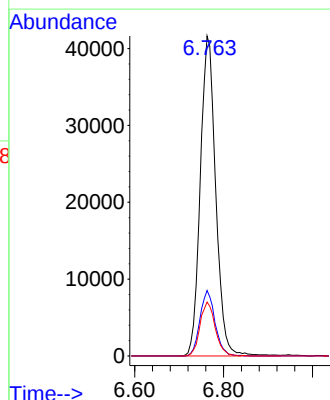
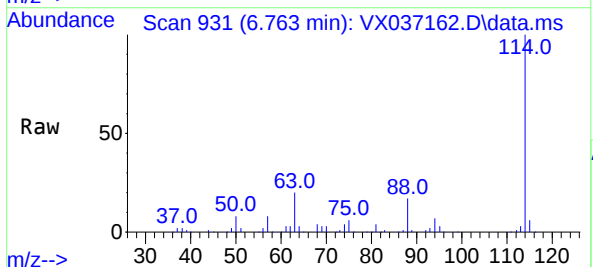
Instrument :  
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 ClientSampleId :  
 TT180D2-20230816

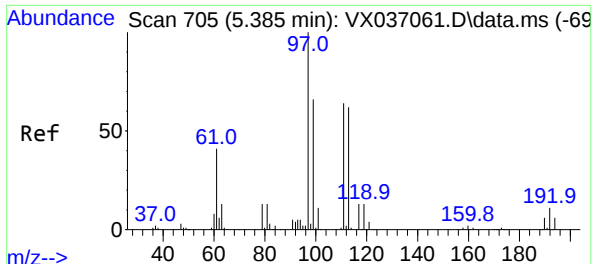
Tgt Ion: 65 Resp: 61282  
 Ion Ratio Lower Upper  
 65 100  
 67 50.5 0.0 100.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. -0.000 min  
 Lab File: VX037162.D  
 Acq: 22 Aug 2023 19:19

Tgt Ion: 114 Resp: 100780  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 45.0  
 88 16.8 0.0 36.6

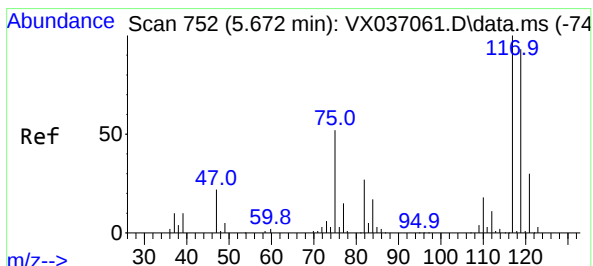
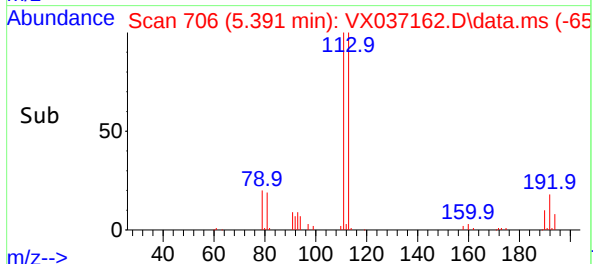
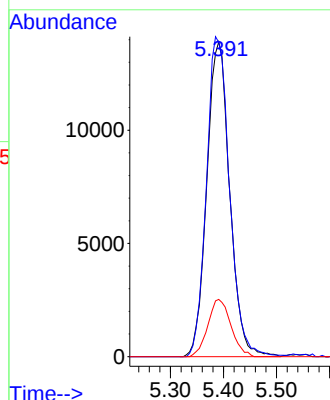
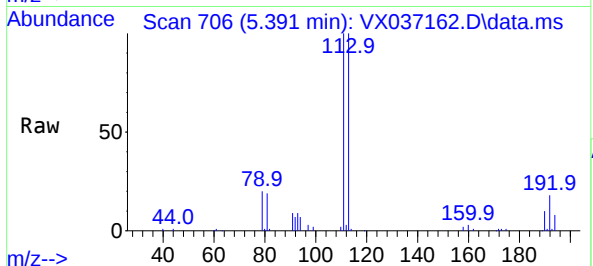




#35  
Dibromofluoromethane  
Concen: 62.491 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

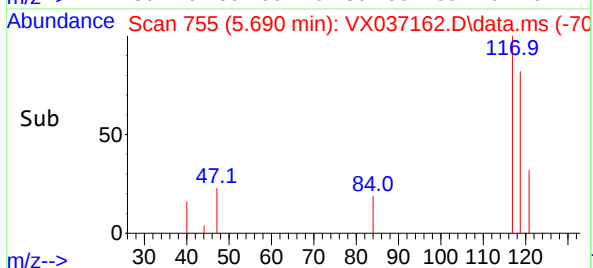
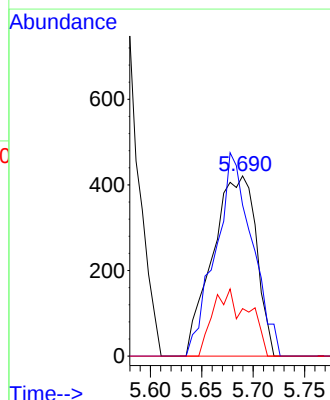
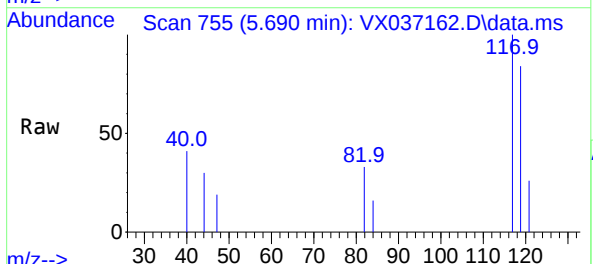
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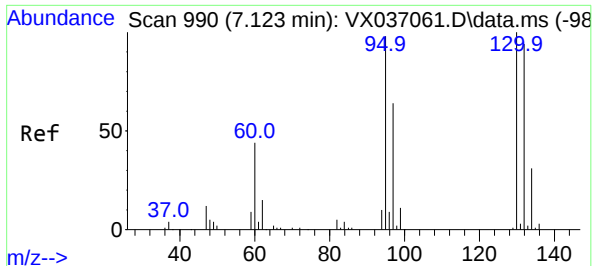
Tgt Ion:113 Resp: 41709  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.9 124.3  
192 18.3 13.3 19.9



#38  
Carbon Tetrachloride  
Concen: 1.211 ug/l  
RT: 5.690 min Scan# 755  
Delta R.T. 0.018 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

Tgt Ion:117 Resp: 1247  
Ion Ratio Lower Upper  
117 100  
119 83.8 78.2 117.2  
121 26.4 24.4 36.6

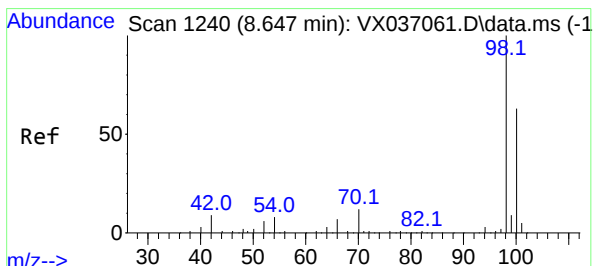
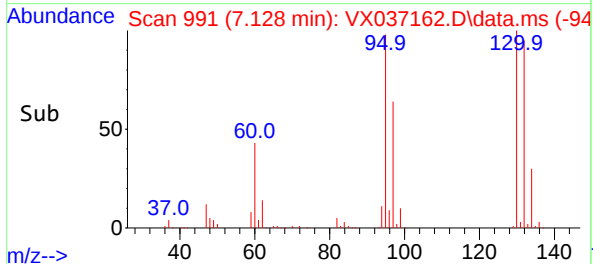
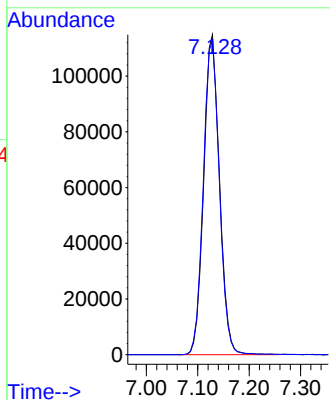
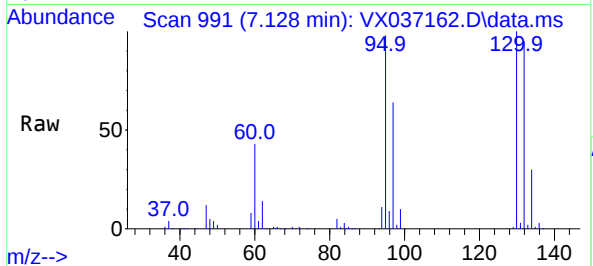




#44  
Trichloroethene  
Concen: 317.968 ug/l  
RT: 7.128 min Scan# 990  
Delta R.T. 0.006 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

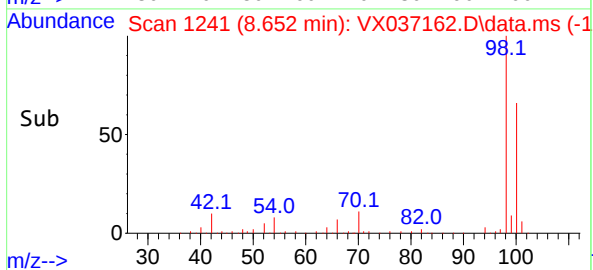
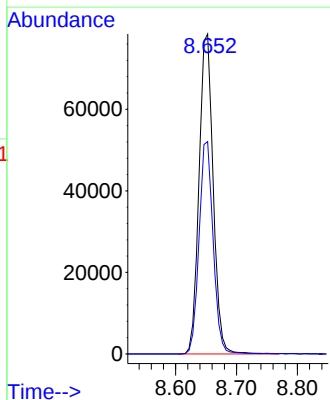
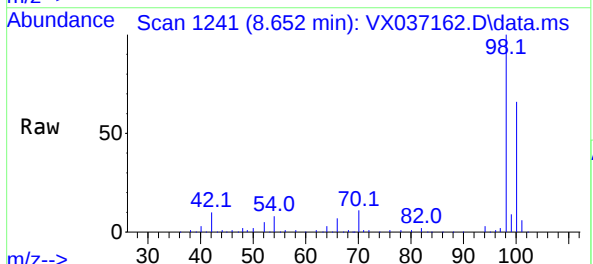
Instrument :  
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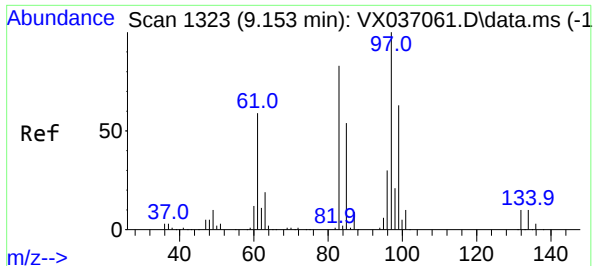
Tgt Ion:130 Resp: 245203  
Ion Ratio Lower Upper  
130 100  
95 98.2 0.0 204.4



#50  
Toluene-d8  
Concen: 52.291 ug/l  
RT: 8.652 min Scan# 1241  
Delta R.T. 0.006 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

Tgt Ion: 98 Resp: 126600  
Ion Ratio Lower Upper  
98 100  
100 66.2 53.1 79.7



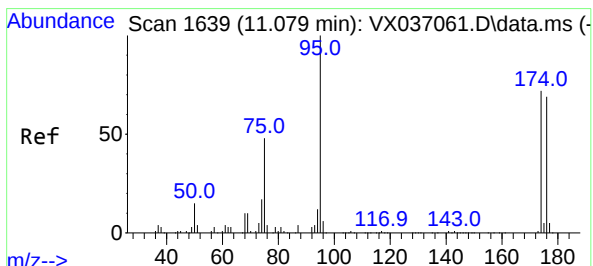
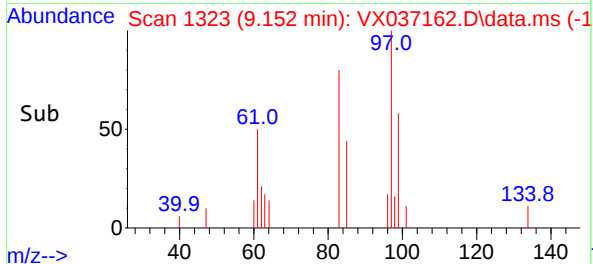
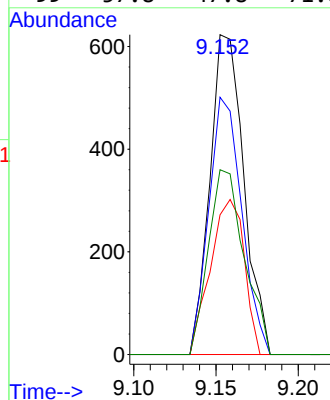
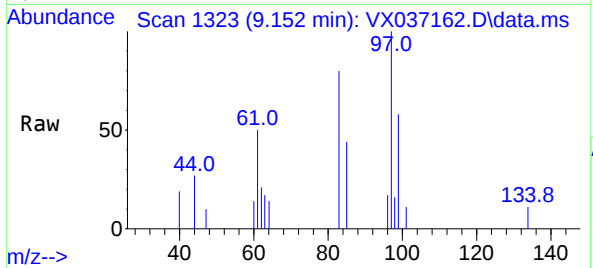


#55  
1,1,2-Trichloroethane  
Concen: 1.222 ug/l  
RT: 9.152 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT180D2-20230816

Tgt Ion: 97 Resp: 894

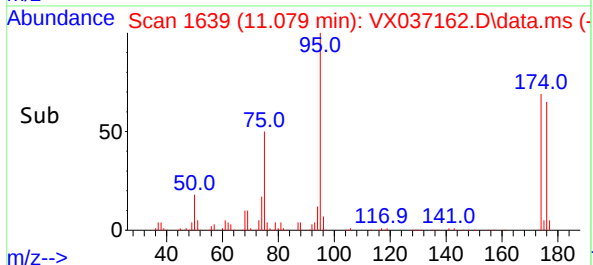
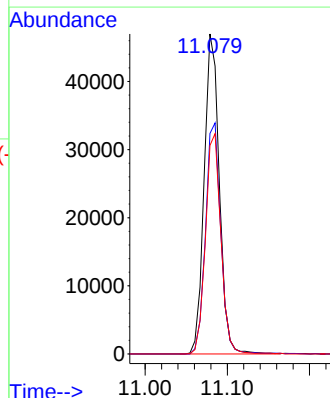
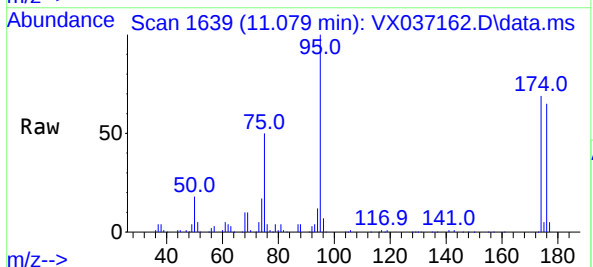
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 80.4  | 65.8  | 98.8  |
| 85  | 43.7  | 41.6  | 62.4  |
| 99  | 57.8  | 47.8  | 71.8  |

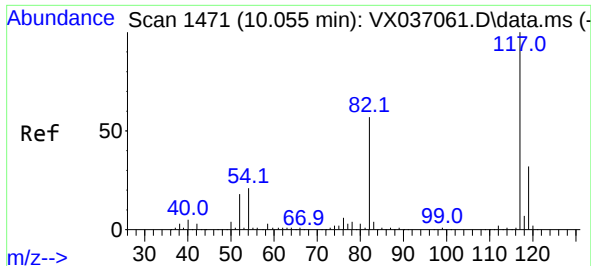


#62  
4-Bromofluorobenzene  
Concen: 63.207 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

Tgt Ion: 95 Resp: 60138

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 72.8  | 0.0   | 135.6 |
| 176 | 70.0  | 0.0   | 131.0 |

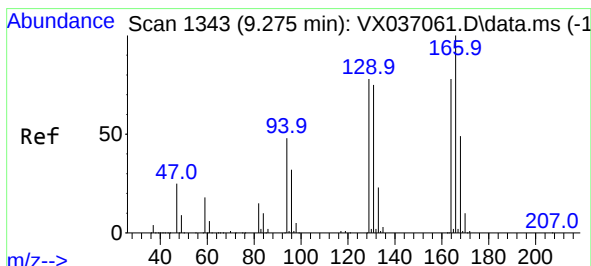
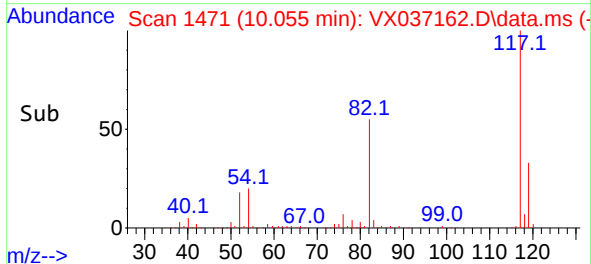
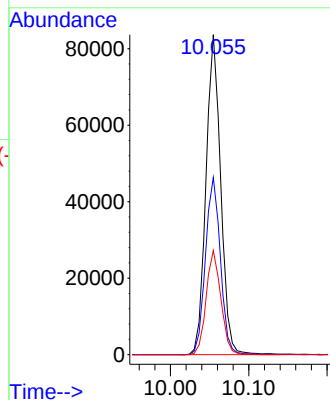
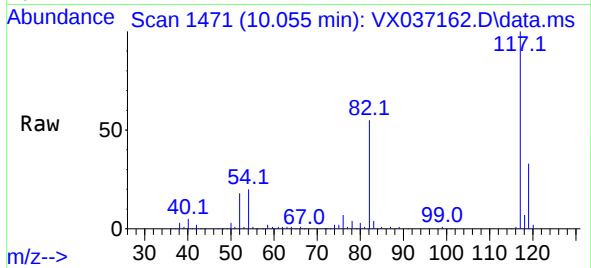




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

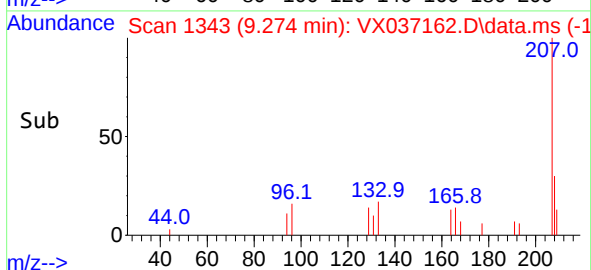
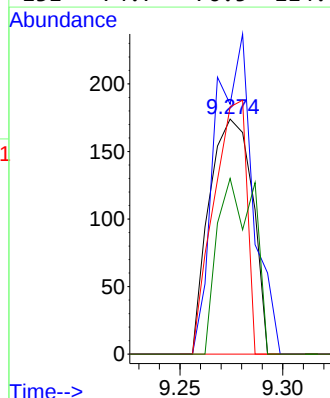
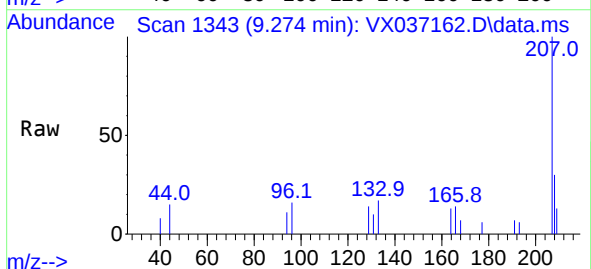
Instrument : MSVOA\_X  
ClientSampleId : TT180D2-20230816

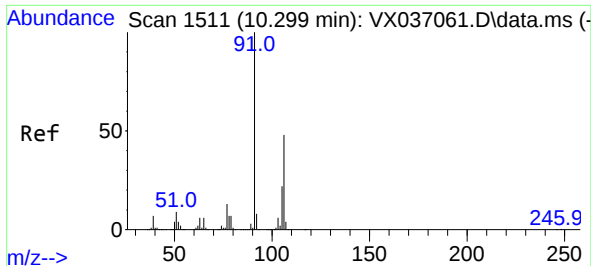
Tgt Ion:117 Resp: 109135  
Ion Ratio Lower Upper  
117 100  
82 55.4 46.2 69.4  
119 32.6 25.5 38.3



#64  
Tetrachloroethene  
Concen: 0.319 ug/l  
RT: 9.274 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

Tgt Ion:164 Resp: 254  
Ion Ratio Lower Upper  
164 100  
166 106.3 102.7 154.1  
129 105.2 80.4 120.6  
131 74.7 76.5 114.7#

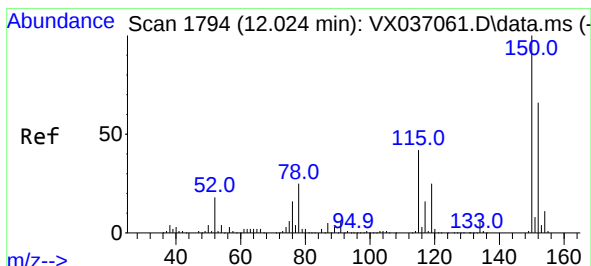
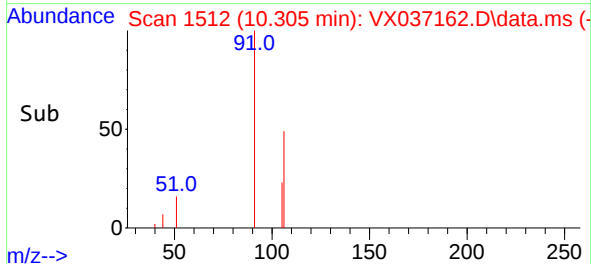
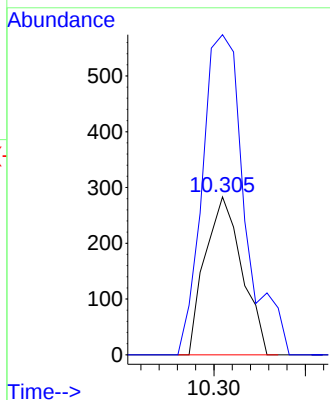
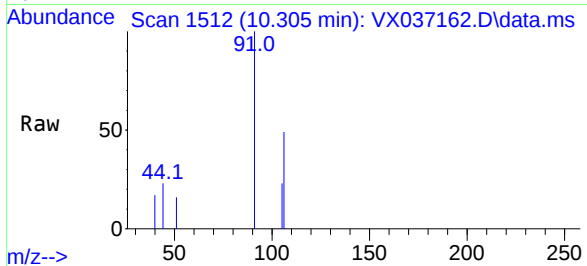




#68  
m/p-Xylenes  
Concen: 0.254 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.006 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

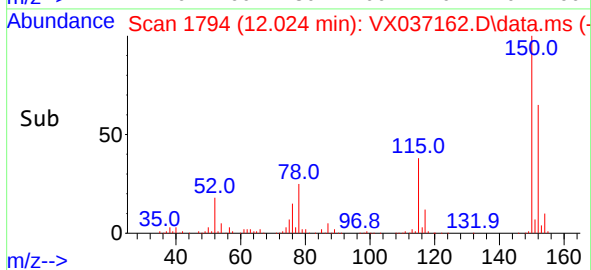
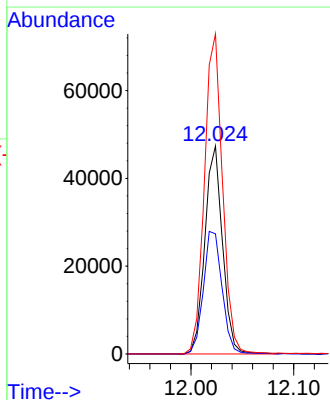
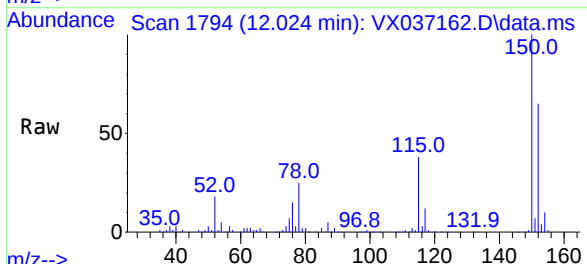
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT180D2-20230816

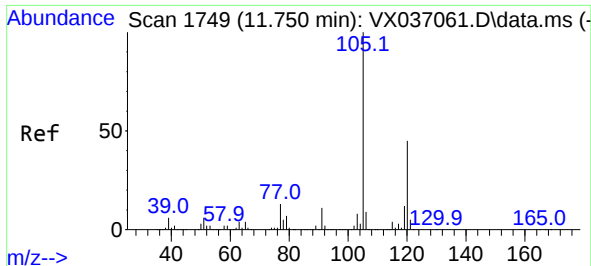
Tgt Ion:106 Resp: 398  
Ion Ratio Lower Upper  
106 100  
91 233.2 165.5 248.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

Tgt Ion:152 Resp: 56751  
Ion Ratio Lower Upper  
152 100  
115 62.4 43.3 129.9  
150 157.5 0.0 345.0

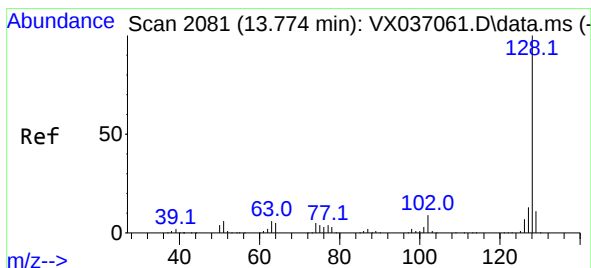
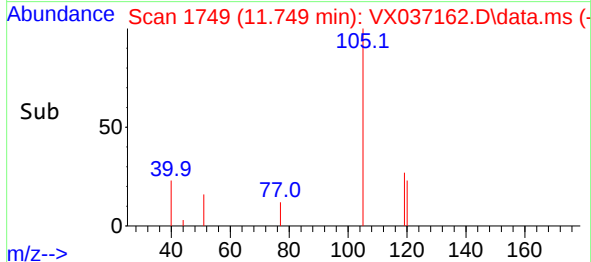
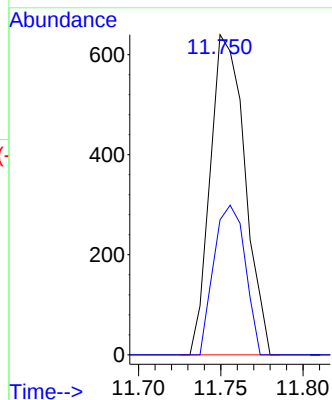
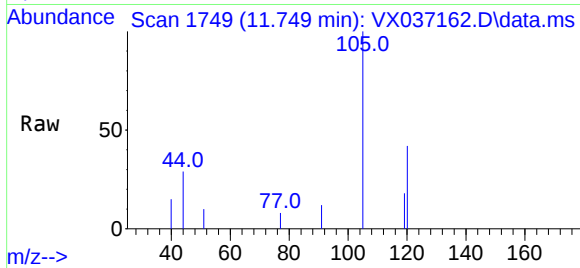




#84  
1,2,4-Trimethylbenzene  
Concen: 0.269 ug/l  
RT: 11.749 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT180D2-20230816

Tgt Ion:105 Resp: 937  
Ion Ratio Lower Upper  
105 100  
120 42.3 21.2 63.6



#95  
Naphthalene  
Concen: 1.273 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX037162.D  
Acq: 22 Aug 2023 19:19

Tgt Ion:128 Resp: 6025  
Ion Ratio Lower Upper  
128 100  
127 10.4 10.3 15.5  
129 9.4 8.8 13.2

