

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101322\  
 Data File : VX032107.D  
 Acq On : 13 Oct 2022 13:46  
 Operator : JC/MD  
 Sample : N5073-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-5

Quant Time: Oct 14 07:51:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 14:28:46 2022  
 Response via : Initial Calibration

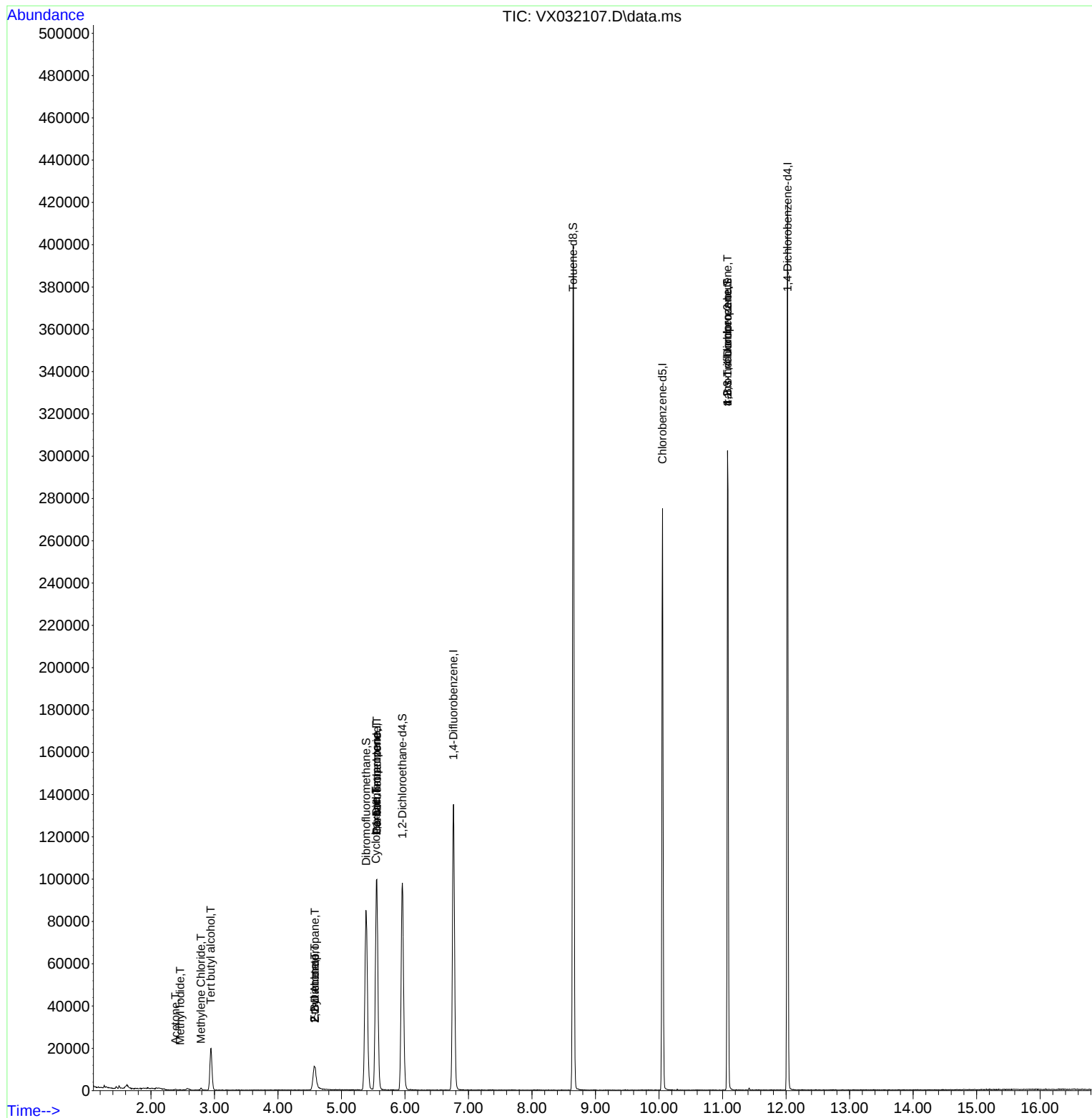
| Compound                      | R.T.           | QIon | Response            | Conc          | Units     | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------------|-----------|----------|
| -----                         |                |      |                     |               |           |          |
| Internal Standards            |                |      |                     |               |           |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 89367               | 50.000        | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 132761              | 50.000        | ug/l      | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 119646              | 50.000        | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 78427               | 50.000        | ug/l      | 0.00     |
|                               |                |      |                     |               |           |          |
| System Monitoring Compounds   |                |      |                     |               |           |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 97226               | 52.679        | ug/l      | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 105.360% |               |           |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 71500               | 47.579        | ug/l      | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 95.160%  |               |           |          |
| 50) Toluene-d8                | 8.647          | 98   | 233963              | 43.266        | ug/l      | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 86.540%  |               |           |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 77120               | 40.341        | ug/l      | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 80.680%# |               |           |          |
|                               |                |      |                     |               |           |          |
| Target Compounds              |                |      |                     |               |           |          |
| 5) Bromomethane               | 1.618          | 94   | 270                 | Below Cal     | Qvalue 98 |          |
| 10) Methyl Iodide             | 2.459          | 142  | 160                 | 2.855 ug/l #  | 52        |          |
| 11) Tert butyl alcohol        | 2.941          | 59   | 11341               | 49.389 ug/l # | 75        |          |
| 16) Acetone                   | 2.386          | 43   | 506                 | 0.807 ug/l #  | 79        |          |
| 20) Methylene Chloride        | 2.788          | 84   | 511                 | 0.310 ug/l #  | 91        |          |
| 25) 2-Butanone                | 4.574          | 43   | 987                 | 1.007 ug/l #  | 49        |          |
| 26) 2,2-Dichloropropane       | 4.580          | 77   | 867                 | 0.462 ug/l #  | 54        |          |
| 31) Cyclohexane               | 5.544          | 56   | 2256                | 1.023 ug/l #  | 55        |          |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 8073                | 4.051 ug/l #  | 50        |          |
| 37) Ethyl Acetate             | 4.574          | 43   | 987                 | 0.526 ug/l #  | 70        |          |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 9813                | 4.816 ug/l #  | 18        |          |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 40952               | 25.478 ug/l # | 37        |          |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 40952               | 87.504 ug/l # | 11        |          |
| -----                         |                |      |                     |               |           |          |

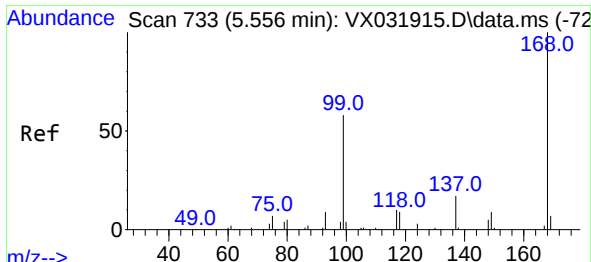
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101322\  
Data File : VX032107.D  
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Sample : N5073-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

Quant Time: Oct 14 07:51:02 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 06 14:28:46 2022  
Response via : Initial Calibration

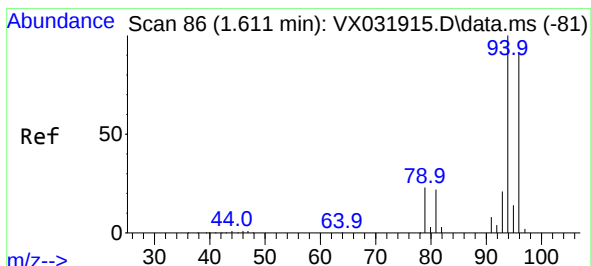
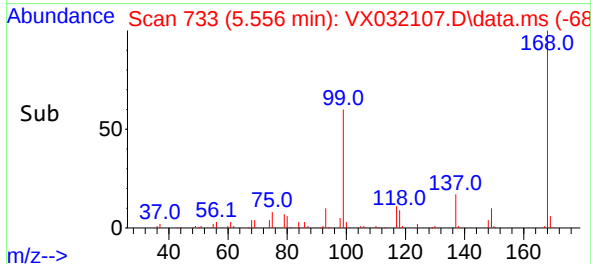
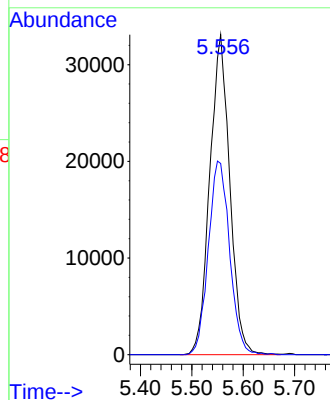
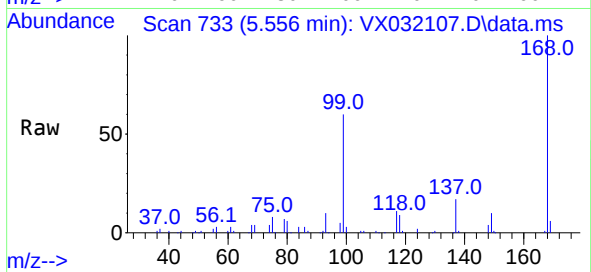




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

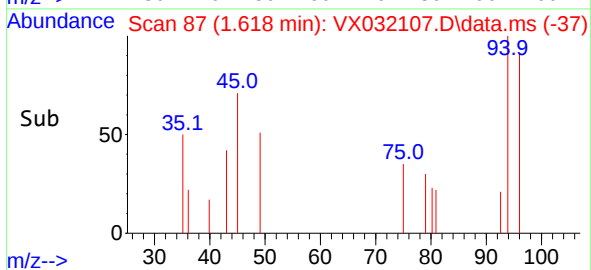
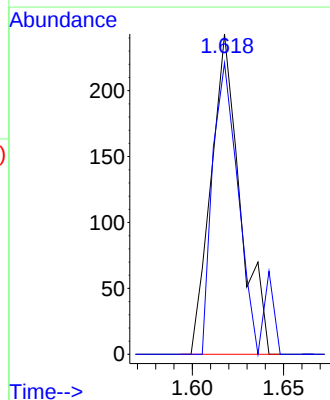
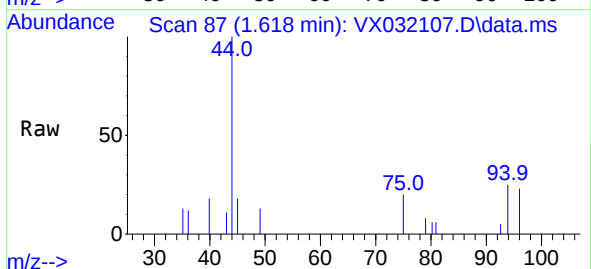
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

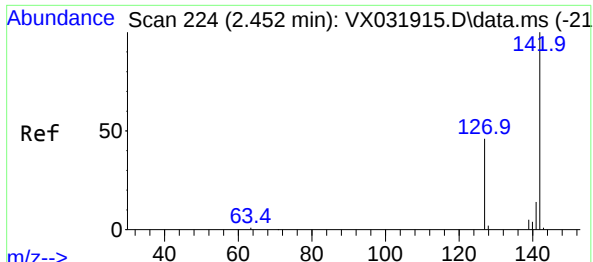
Tgt Ion:168 Resp: 89367  
Ion Ratio Lower Upper  
168 100  
99 59.7 48.8 73.2



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.618 min Scan# 87  
Delta R.T. 0.007 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

Tgt Ion: 94 Resp: 270  
Ion Ratio Lower Upper  
94 100  
96 90.9 74.4 111.6

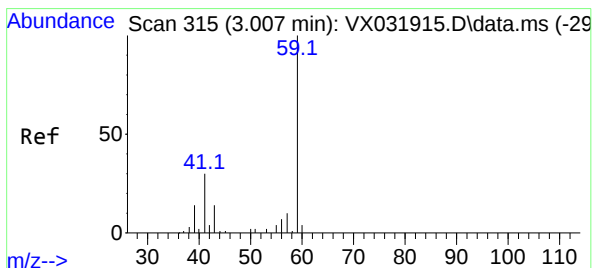
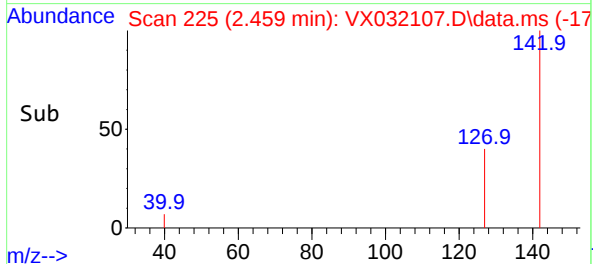
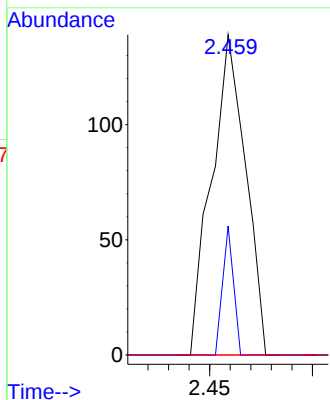
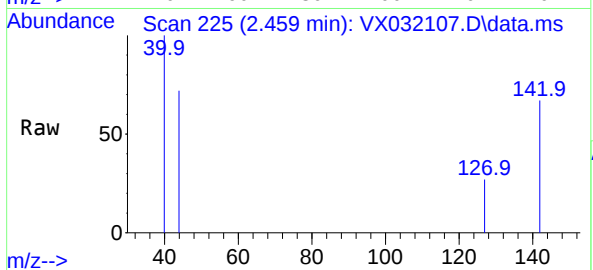




#10  
Methyl Iodide  
Concen: 2.855 ug/l  
RT: 2.459 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

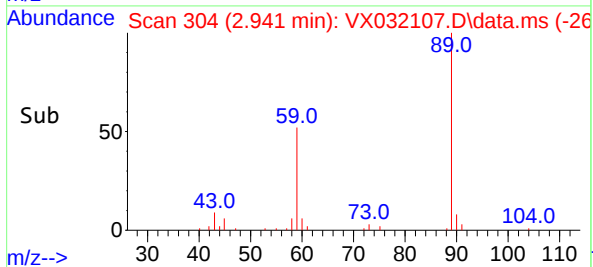
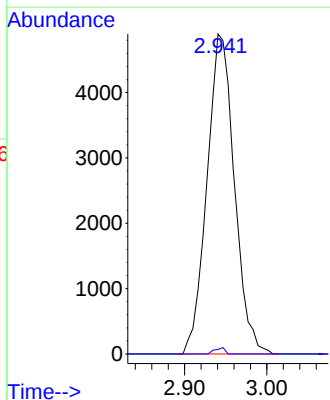
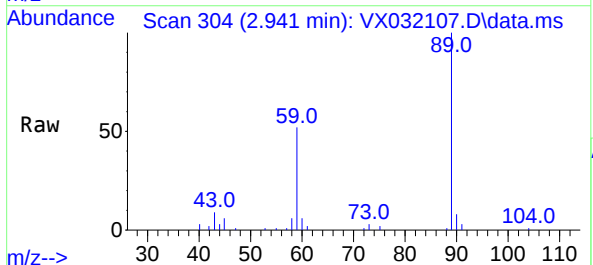
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

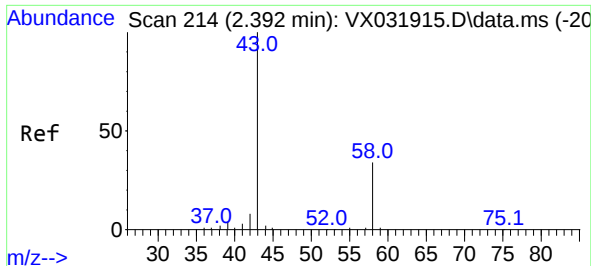
Tgt Ion:142 Resp: 160  
Ion Ratio Lower Upper  
142 100  
127 12.5 37.4 56.0#  
141 0.0 11.6 17.4#



#11  
Tert butyl alcohol  
Concen: 49.389 ug/l  
RT: 2.941 min Scan# 304  
Delta R.T. -0.066 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

Tgt Ion: 59 Resp: 11341  
Ion Ratio Lower Upper  
59 100  
57 0.7 8.2 12.2#

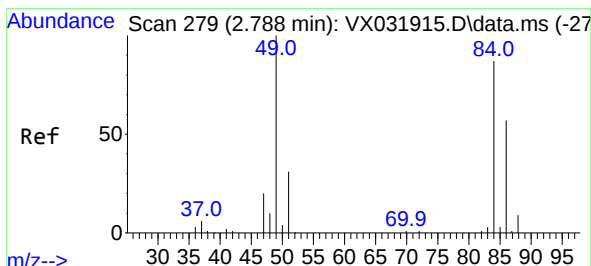
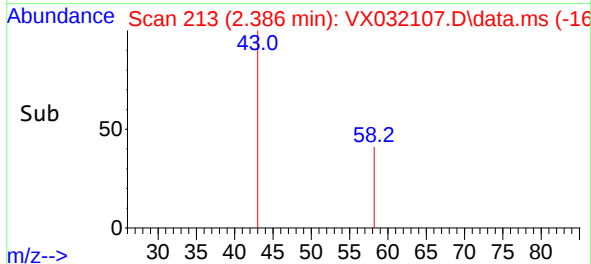
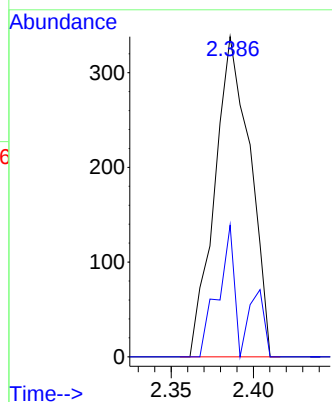
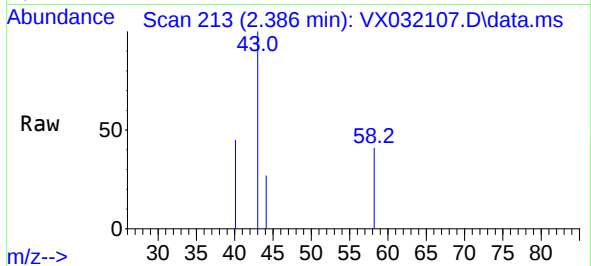




#16  
Acetone  
Concen: 0.807 ug/l  
RT: 2.386 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

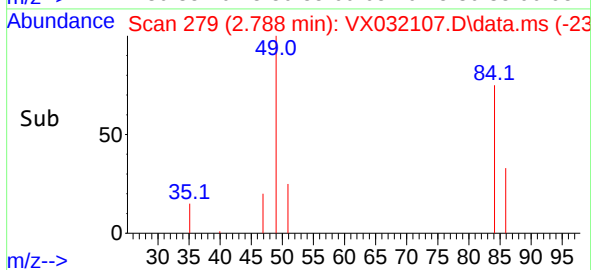
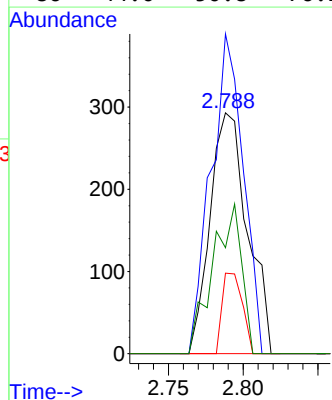
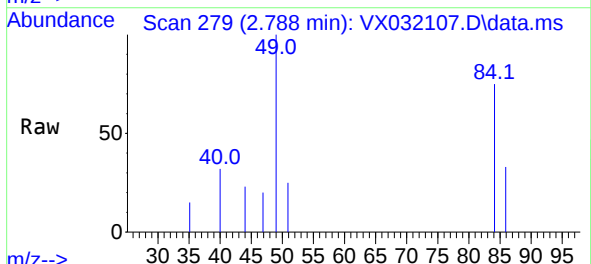
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

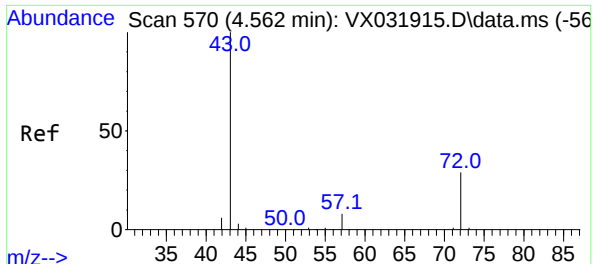
Tgt Ion: 43 Resp: 506  
Ion Ratio Lower Upper  
43 100  
58 41.1 23.8 35.8#



#20  
Methylene Chloride  
Concen: 0.310 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

Tgt Ion: 84 Resp: 511  
Ion Ratio Lower Upper  
84 100  
49 132.8 105.9 158.9  
51 33.4 32.2 48.2  
86 44.0 50.8 76.2#





#25

2-Butanone

Concen: 1.007 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX032107.D

Acq: 13 Oct 2022 13:46

Instrument :

MSVOA\_X

ClientSampleId :

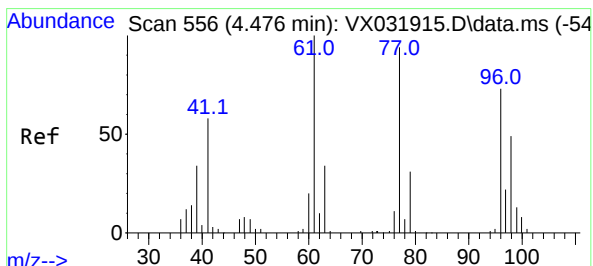
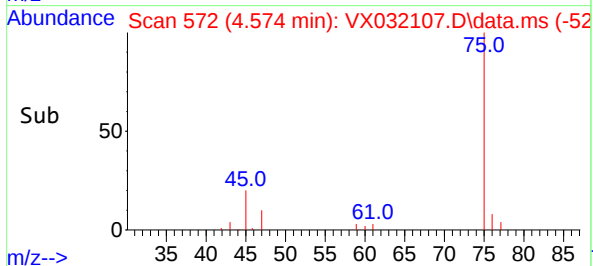
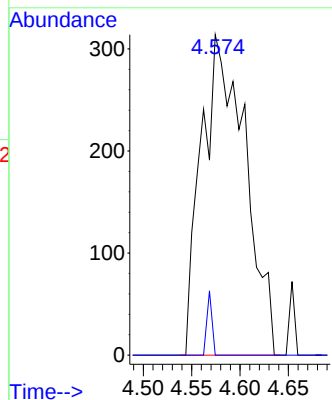
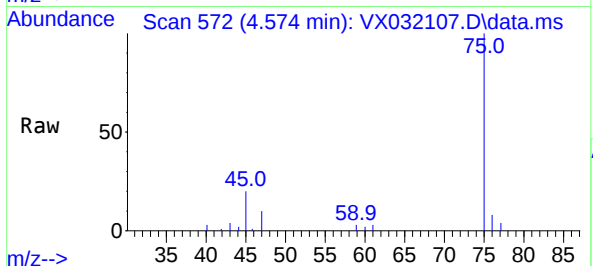
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 43 Resp: 987

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#26

2,2-Dichloropropane

Concen: 0.462 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.104 min

Lab File: VX032107.D

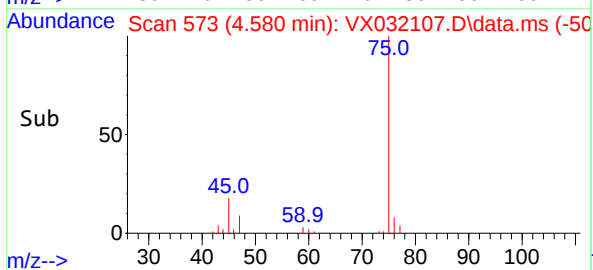
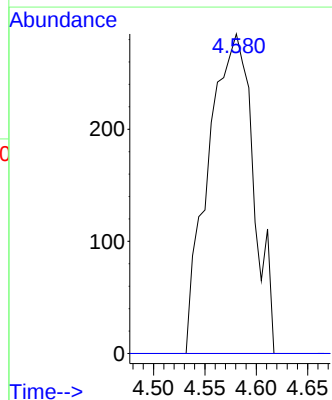
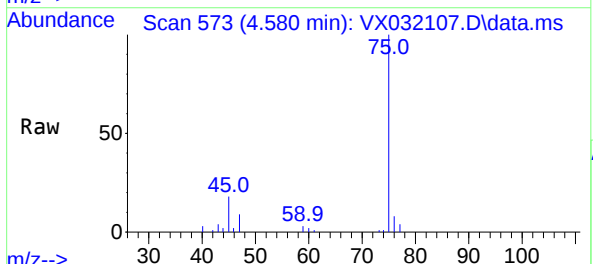
Acq: 13 Oct 2022 13:46

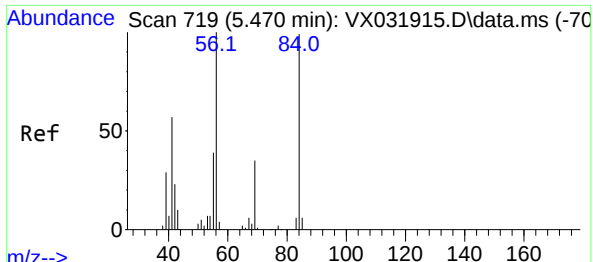
Tgt Ion: 77 Resp: 867

Ion Ratio Lower Upper

77 100

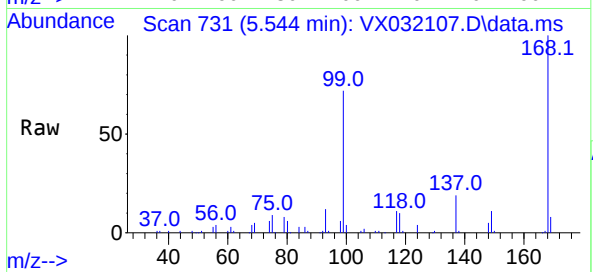
97 0.0 10.9 32.6#



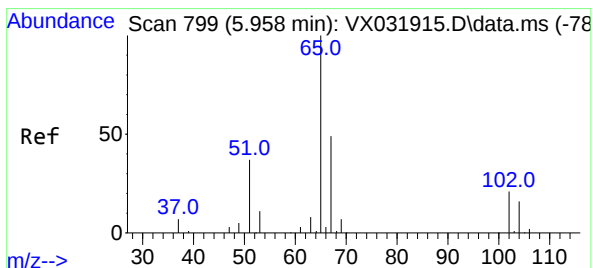
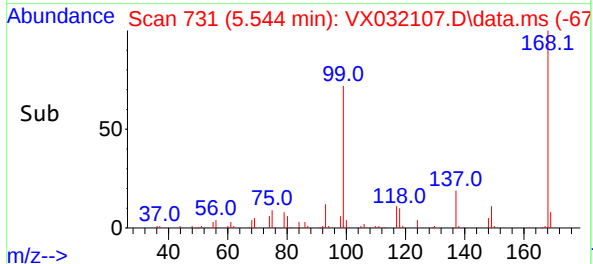
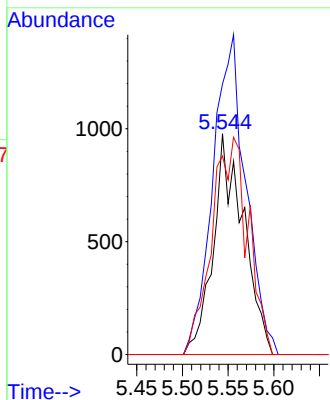


#31  
Cyclohexane  
Concen: 1.023 ug/l  
RT: 5.544 min Scan# 719  
Delta R.T. 0.074 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

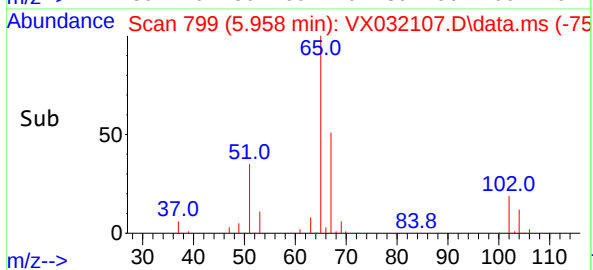
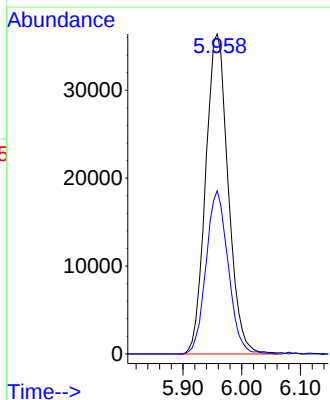
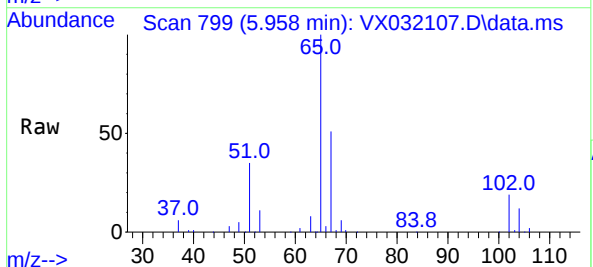


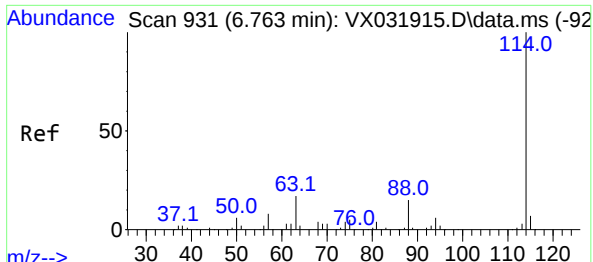
Tgt Ion: 56 Resp: 2256  
Ion Ratio Lower Upper  
56 100  
69 122.6 25.1 37.7#  
84 90.0 70.2 105.4



#33  
1,2-Dichloroethane-d4  
Concen: 52.679 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

Tgt Ion: 65 Resp: 97226  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 102.4

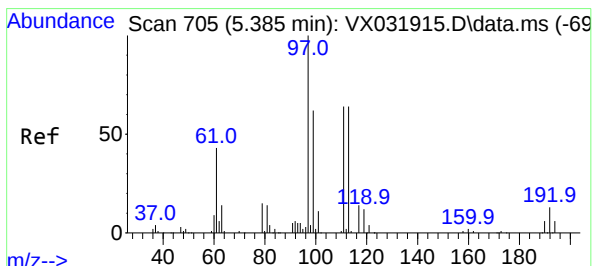
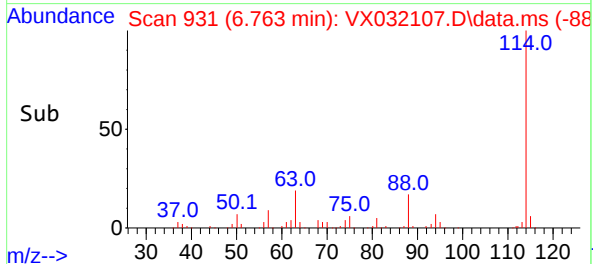
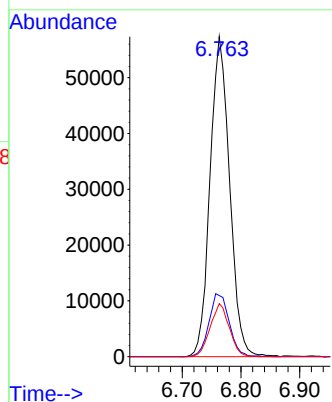
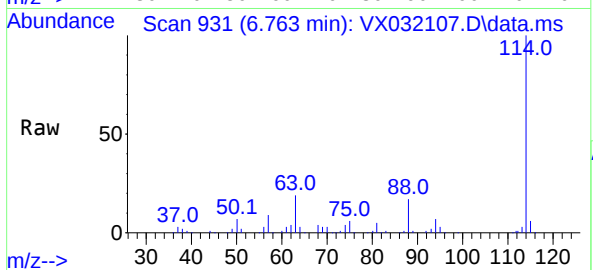




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

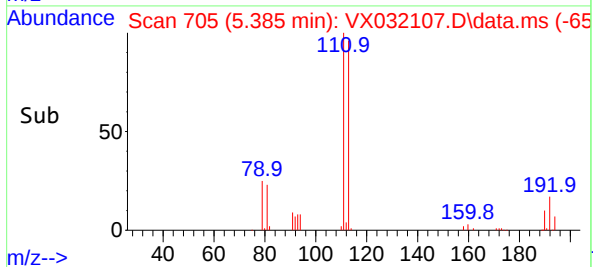
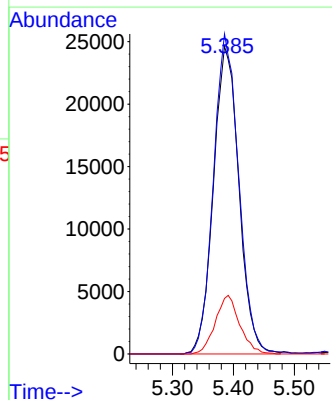
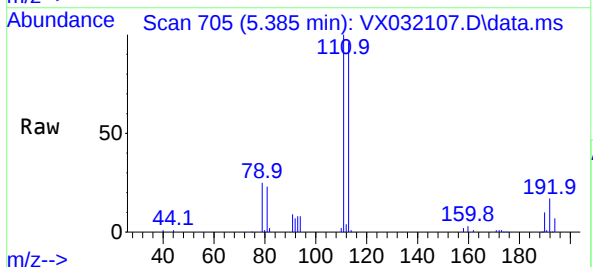
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MSVOA\_X  
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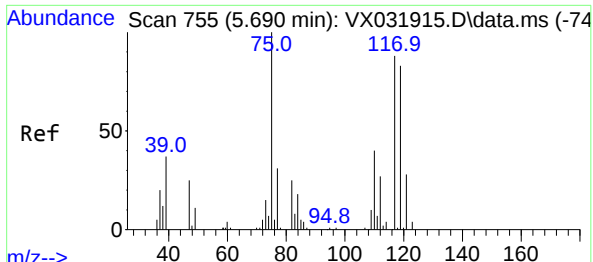
Tgt Ion:114 Resp: 132761  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 42.6  
88 16.6 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 47.579 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

Tgt Ion:113 Resp: 71500  
Ion Ratio Lower Upper  
113 100  
111 103.4 82.4 123.6  
192 18.2 14.1 21.1

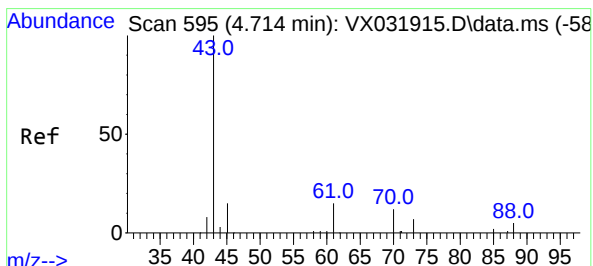
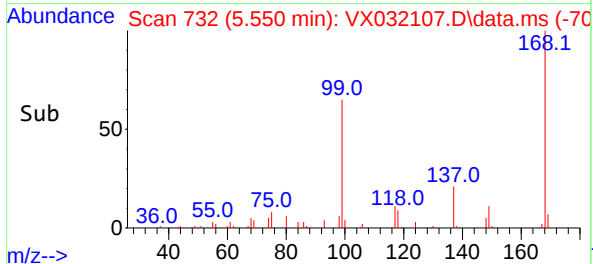
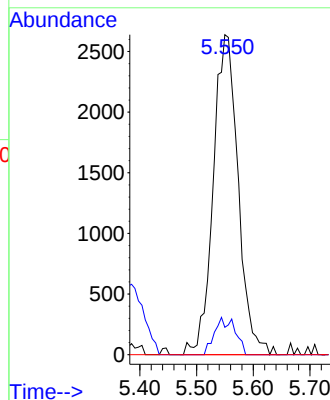
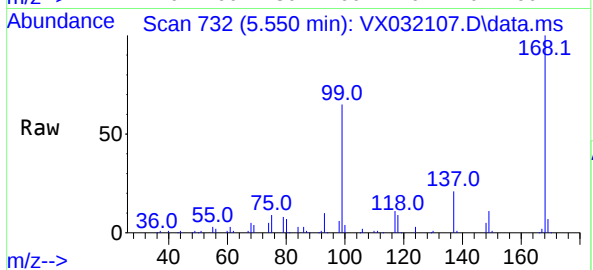




#36  
1,1-Dichloropropene  
Concen: 4.051 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

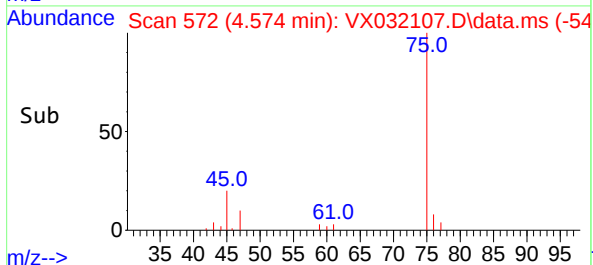
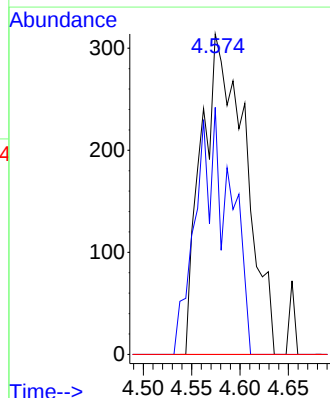
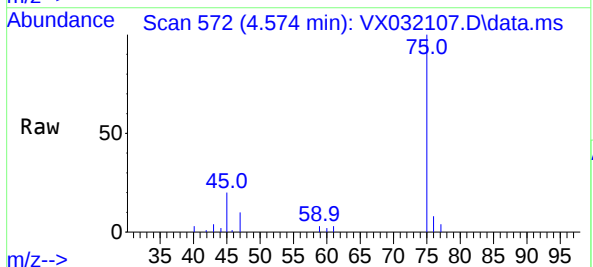
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

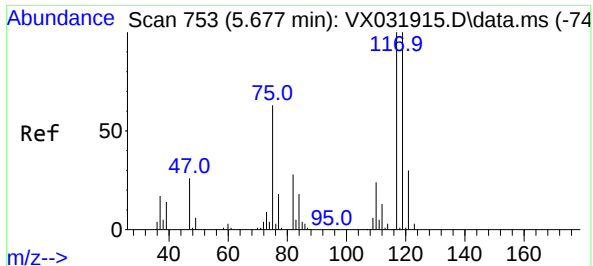
Tgt Ion: 75 Resp: 8073  
Ion Ratio Lower Upper  
75 100  
110 9.6 17.5 52.5#  
77 0.0 24.9 37.3#



#37  
Ethyl Acetate  
Concen: 0.526 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. -0.140 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

Tgt Ion: 43 Resp: 987  
Ion Ratio Lower Upper  
43 100  
61 26.8 11.1 16.7#  
70 0.0 8.6 13.0#

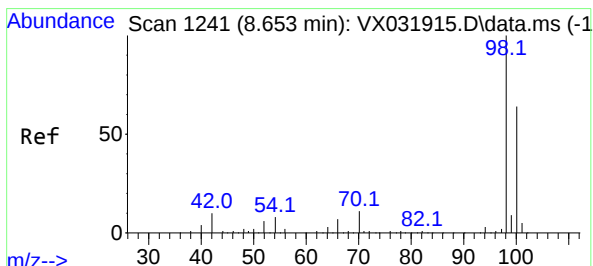
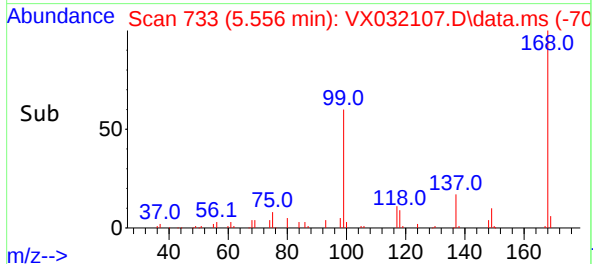
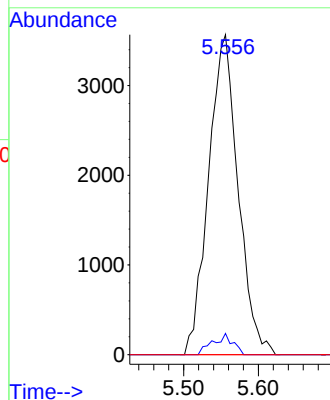
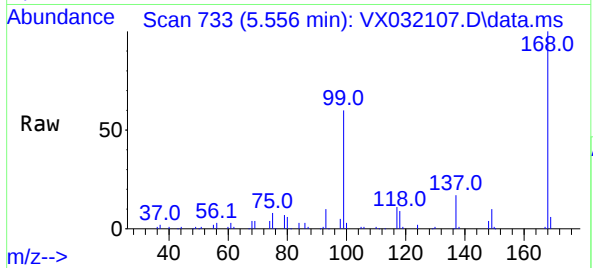




#38  
Carbon Tetrachloride  
Concen: 4.816 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.121 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

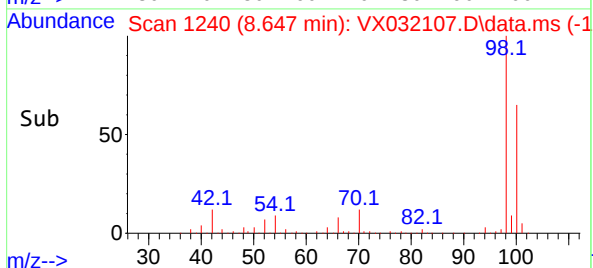
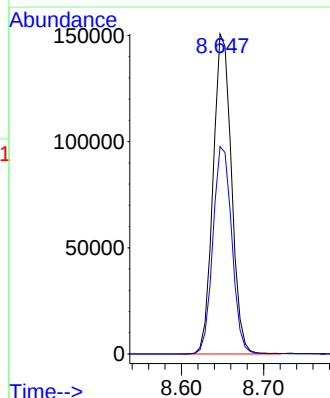
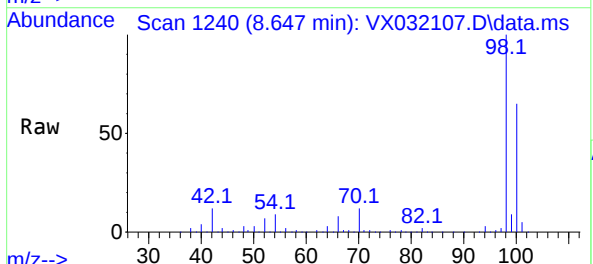
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

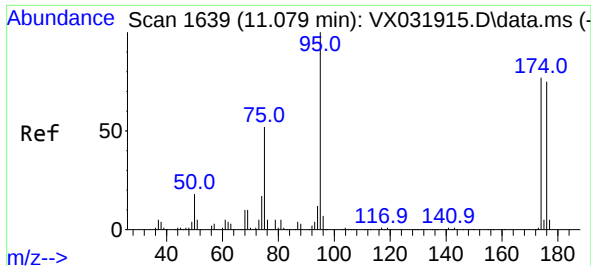
Tgt Ion:117 Resp: 9813  
Ion Ratio Lower Upper  
117 100  
119 6.7 74.6 112.0#  
121 0.0 25.3 37.9#



#50  
Toluene-d8  
Concen: 43.266 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

Tgt Ion: 98 Resp: 233963  
Ion Ratio Lower Upper  
98 100  
100 66.6 52.5 78.7

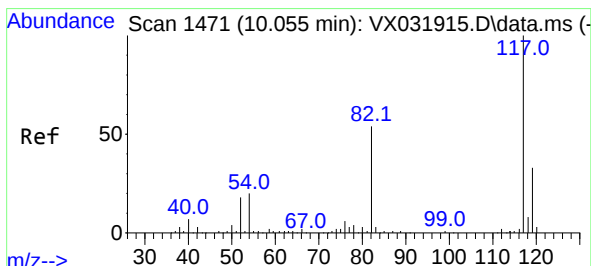
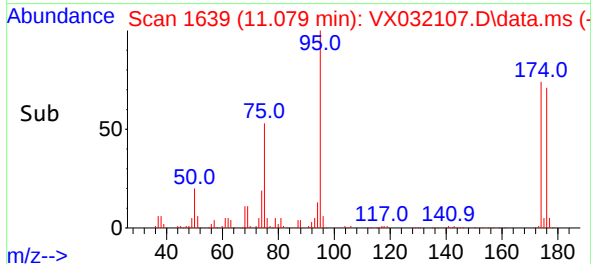
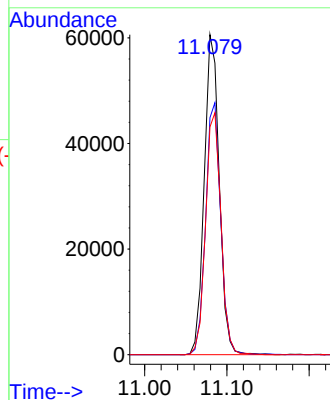
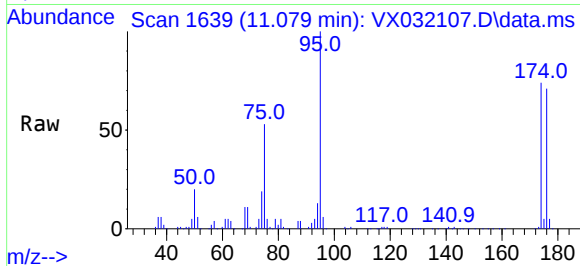




#62  
4-Bromofluorobenzene  
Concen: 40.341 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

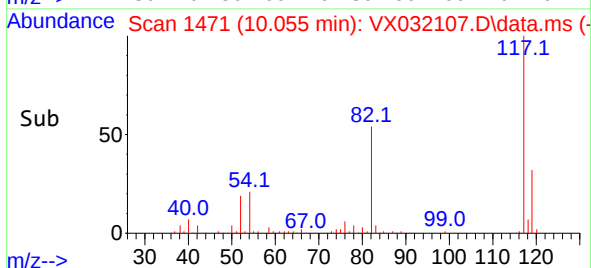
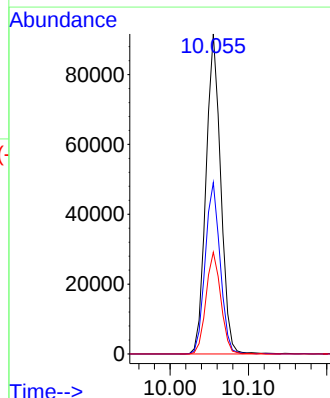
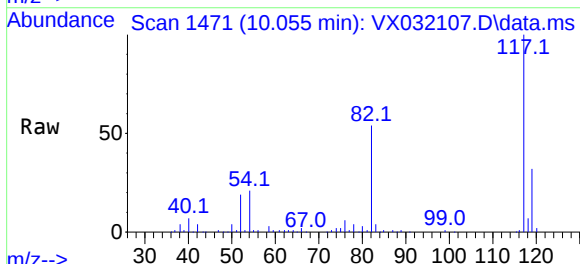
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

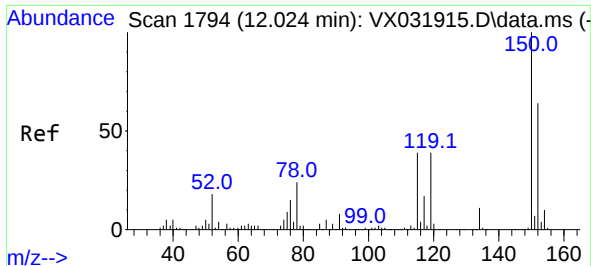
Tgt Ion: 95 Resp: 77120  
Ion Ratio Lower Upper  
95 100  
174 79.0 0.0 153.2  
176 77.2 0.0 144.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

Tgt Ion: 117 Resp: 119646  
Ion Ratio Lower Upper  
117 100  
82 53.6 46.8 70.2  
119 31.8 26.4 39.6

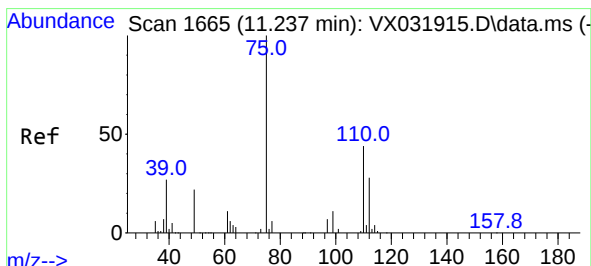
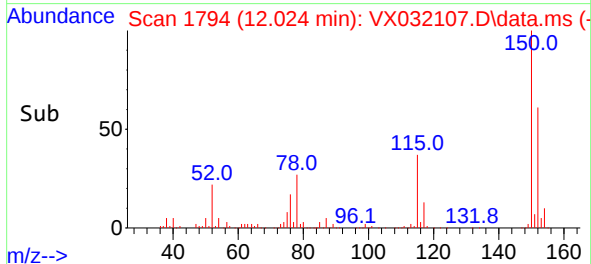
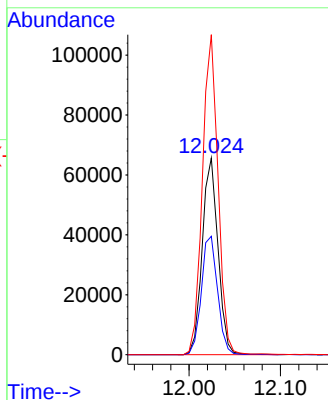
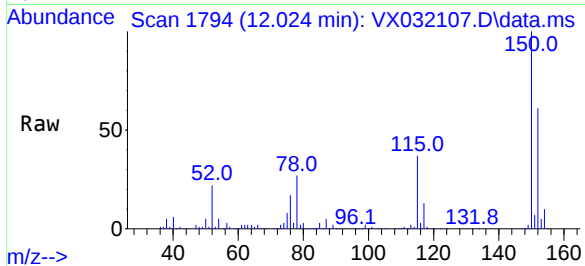




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

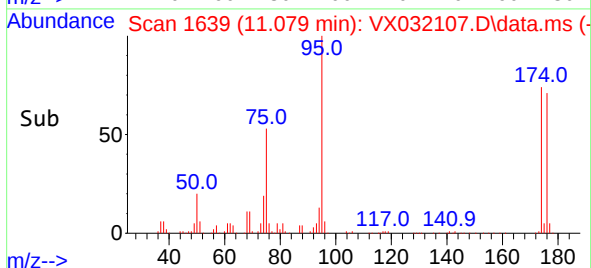
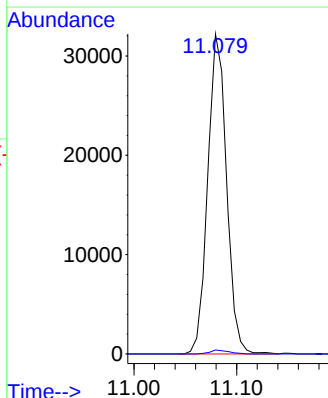
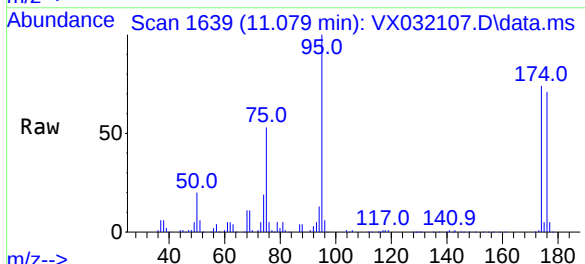
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

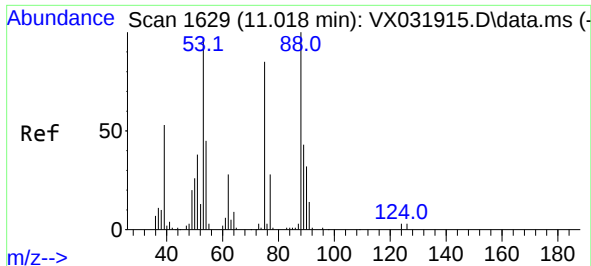
Tgt Ion:152 Resp: 78427  
Ion Ratio Lower Upper  
152 100  
115 62.0 43.4 130.1  
150 161.1 0.0 346.8



#76  
1,2,3-Trichloropropane  
Concen: 25.478 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

Tgt Ion: 75 Resp: 40952  
Ion Ratio Lower Upper  
75 100  
77 1.2 20.3 60.9#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 87.504 ug/l  
RT: 11.079 min Scan# 10  
Delta R.T. 0.061 min  
Lab File: VX032107.D  
Acq: 13 Oct 2022 13:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 75 Resp: 40952  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.6 116.4#  
89 0.0 37.4 56.0#

