

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021723\  
 Data File : VX034164.D  
 Acq On : 17 Feb 2023 17:50  
 Operator : JC/MD  
 Sample : 01598-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-4

Quant Time: Feb 20 00:35:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 17 12:33:35 2023  
 Response via : Initial Calibration

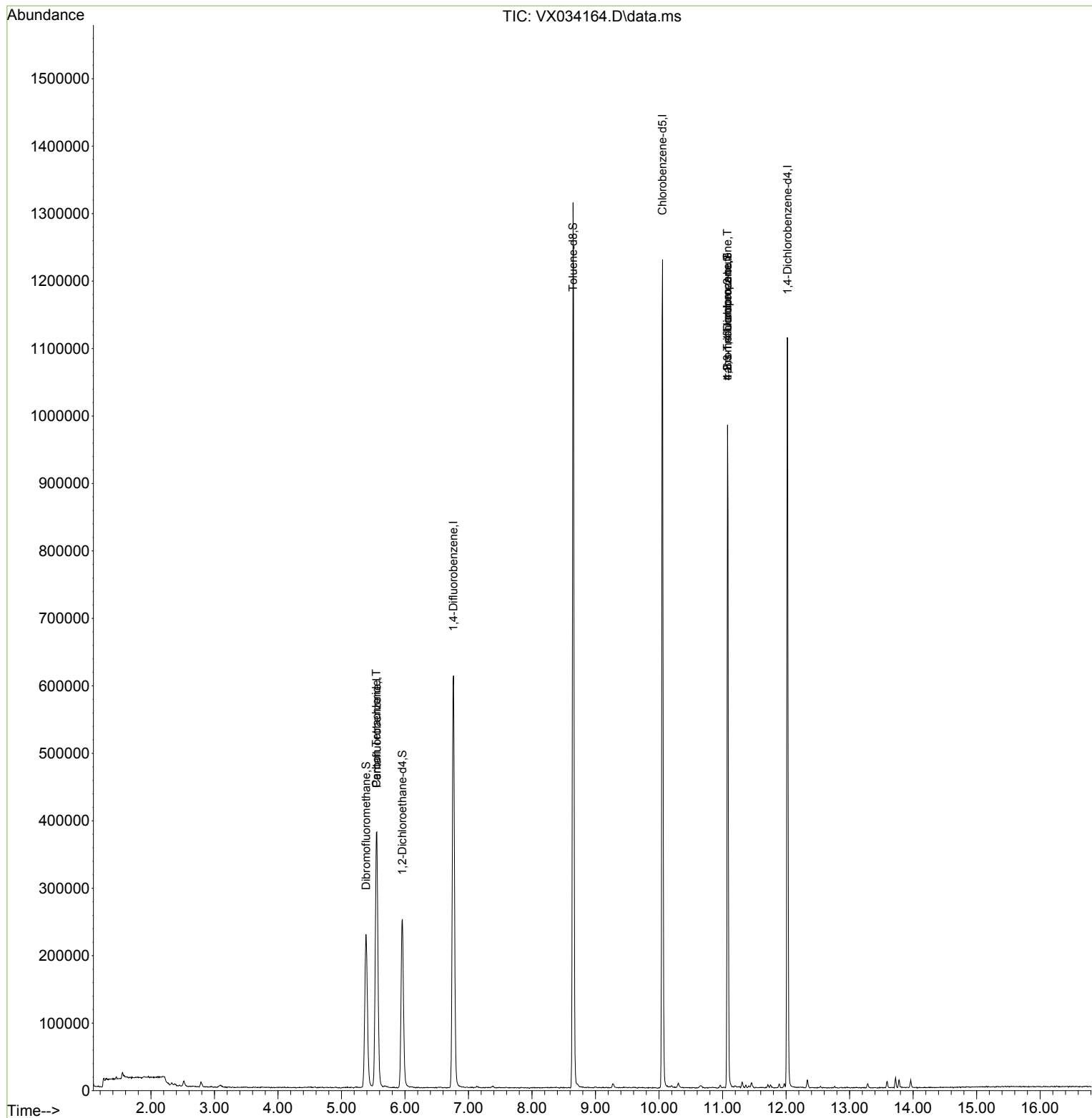
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 382495   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 647283   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 559626   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 244627   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 229839   | 44.618    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 89.240%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 201055   | 47.706    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 95.420%  |
| 50) Toluene-d8                | 8.647  | 98    | 765974   | 50.622    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 101.240% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 265672   | 45.902    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 91.800%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.587  | 94    | 60       | Below Cal | #      | 35       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 36413    | 5.677     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 131232   | 21.319    | ug/l # | 35       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 131232   | 54.768    | ug/l # | 8        |
| -----                         |        |       |          |           |        |          |

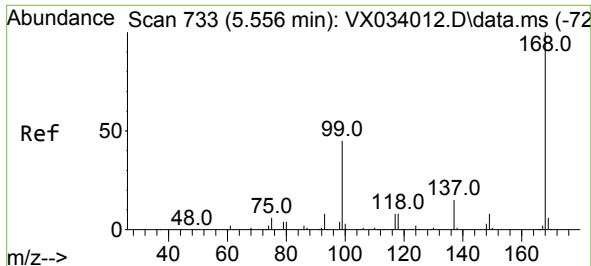
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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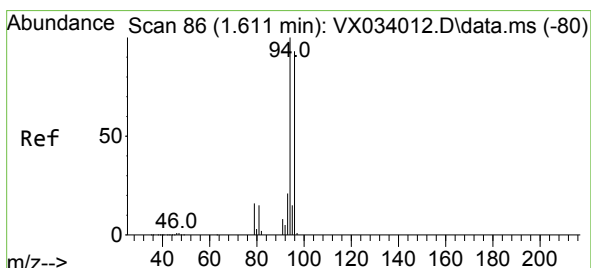
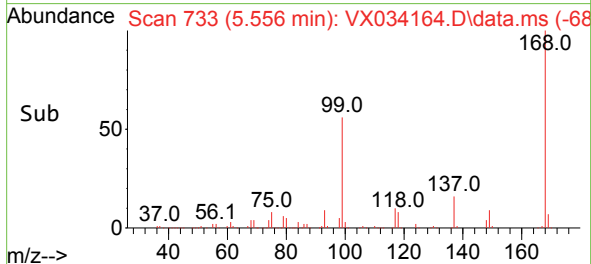
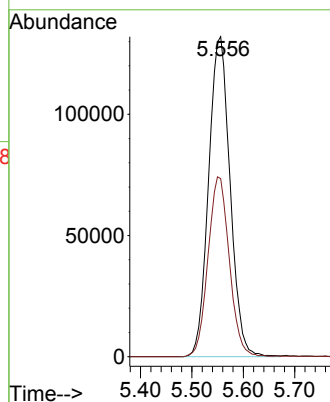
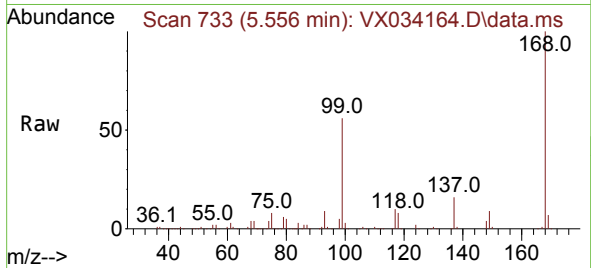




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX034164.D  
Acq: 17 Feb 2023 17:50

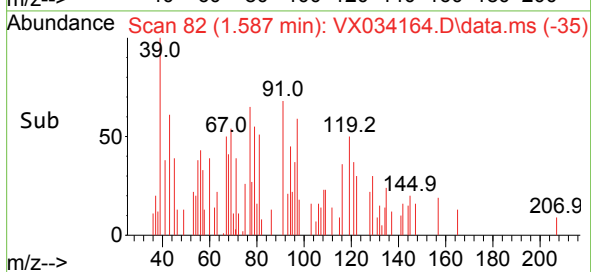
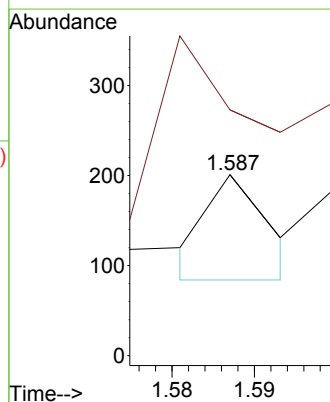
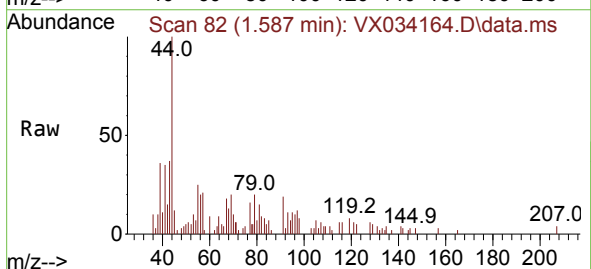
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

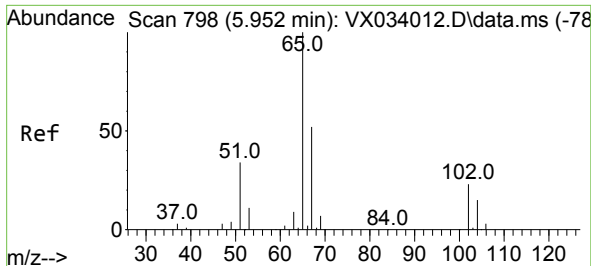
Tgt Ion:168 Resp: 382495  
Ion Ratio Lower Upper  
168 100  
99 55.6 39.6 59.4



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.587 min Scan# 82  
Delta R.T. -0.012 min  
Lab File: VX034164.D  
Acq: 17 Feb 2023 17:50

Tgt Ion: 94 Resp: 60  
Ion Ratio Lower Upper  
94 100  
96 30.9 74.3 111.5#





#33

1,2-Dichloroethane-d4

Concen: 44.618 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034164.D

Acq: 17 Feb 2023 17:50

Instrument :

MSVOA\_X

ClientSampleId :

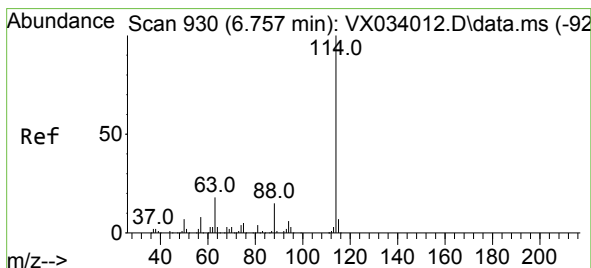
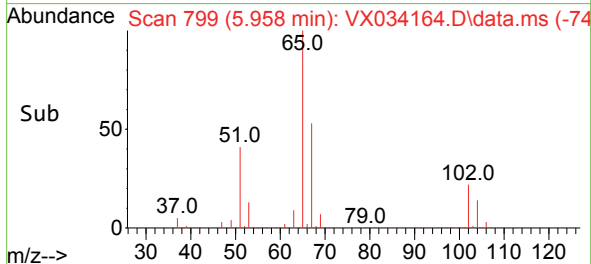
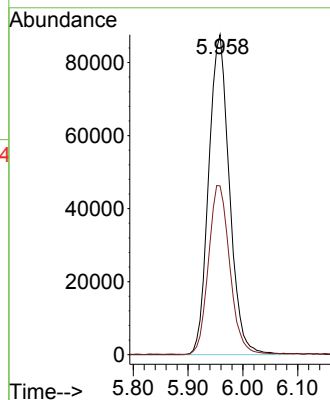
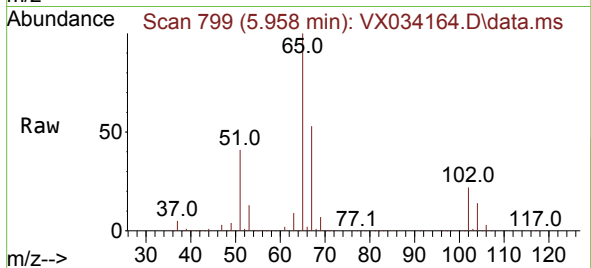
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 65 Resp: 229839

Ion Ratio Lower Upper

65 100

67 54.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034164.D

Acq: 17 Feb 2023 17:50

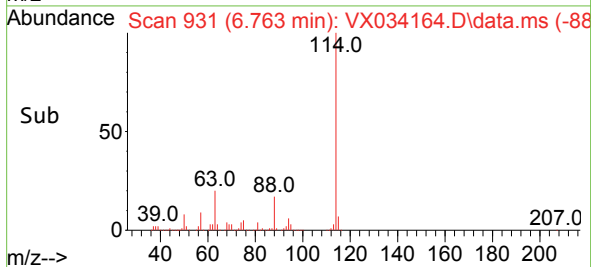
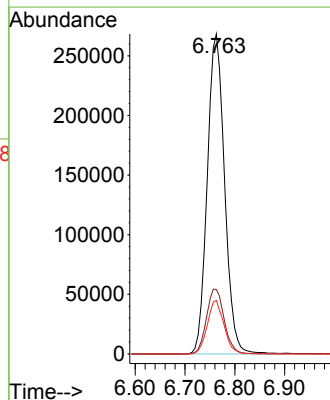
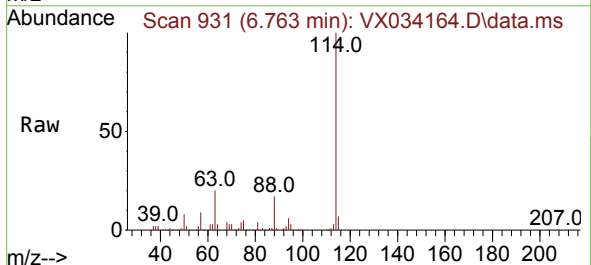
Tgt Ion: 114 Resp: 647283

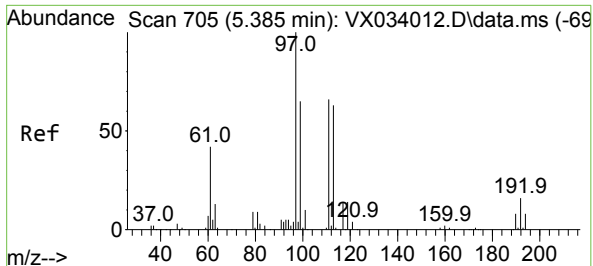
Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 16.7 0.0 30.6

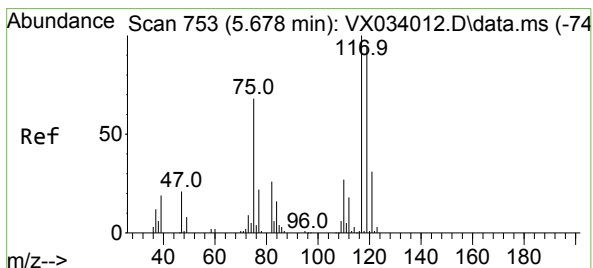
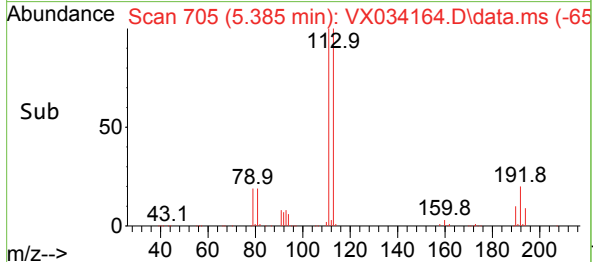
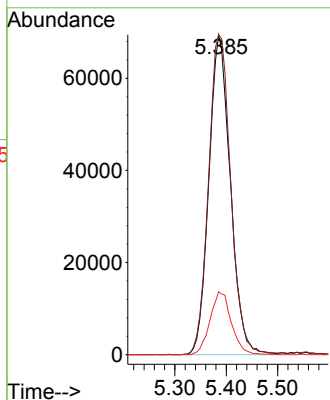
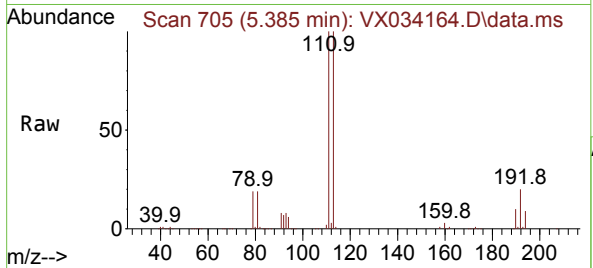




#35  
Dibromofluoromethane  
Concen: 47.706 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX034164.D  
Acq: 17 Feb 2023 17:50

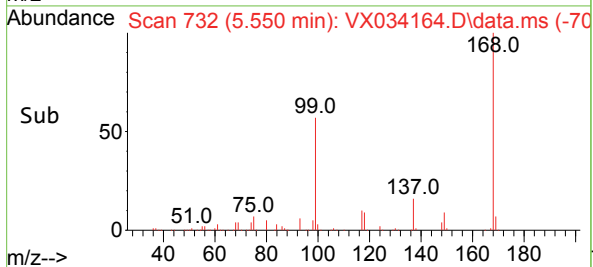
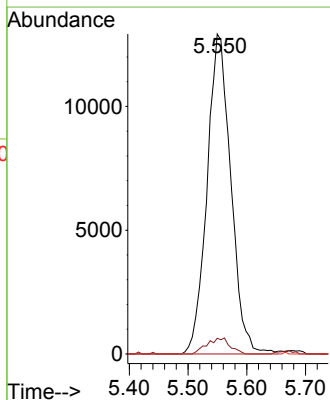
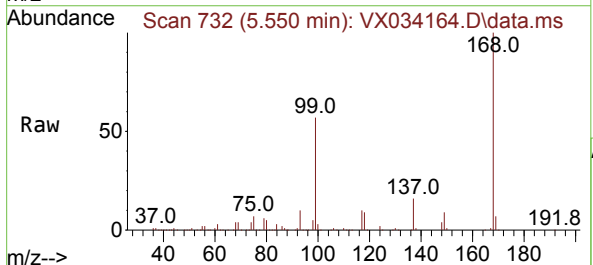
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

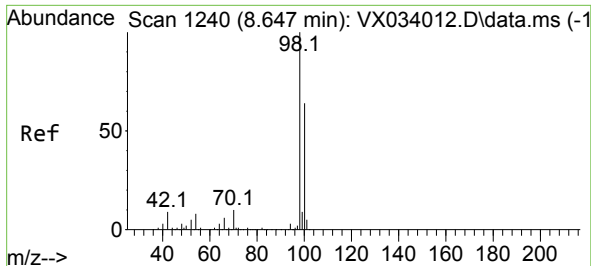
Tgt Ion:113 Resp: 201055  
Ion Ratio Lower Upper  
113 100  
111 103.6 83.0 124.6  
192 19.6 19.0 28.4



#38  
Carbon Tetrachloride  
Concen: 5.677 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.122 min  
Lab File: VX034164.D  
Acq: 17 Feb 2023 17:50

Tgt Ion:117 Resp: 36413  
Ion Ratio Lower Upper  
117 100  
119 4.9 78.0 117.0#  
121 0.0 24.4 36.6#

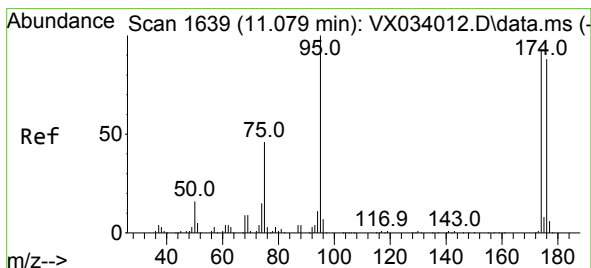
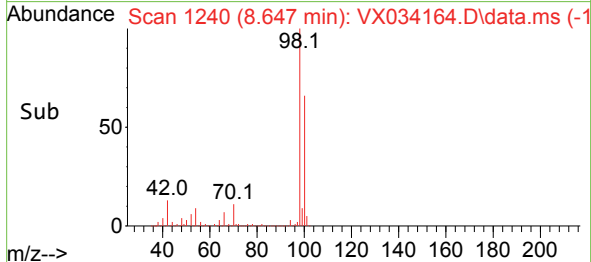
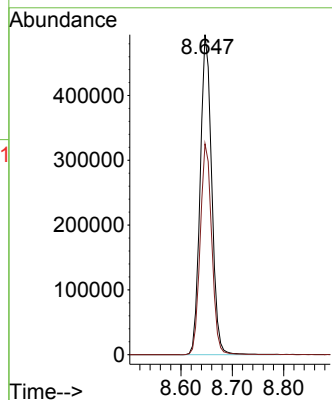
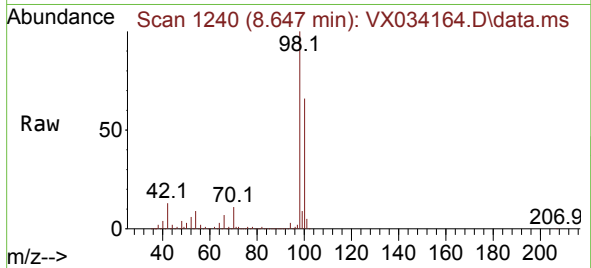




#50  
Toluene-d8  
Concen: 50.622 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX034164.D  
Acq: 17 Feb 2023 17:50

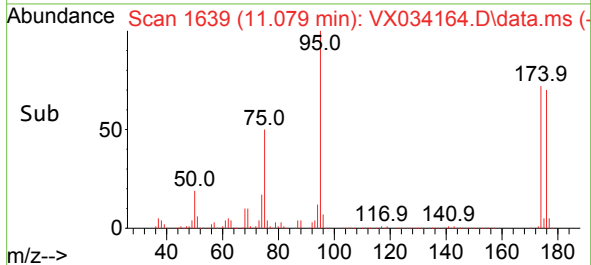
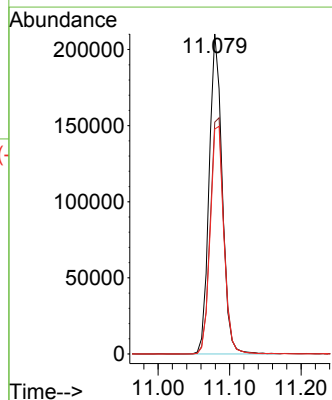
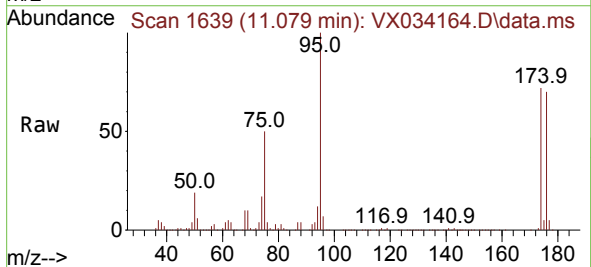
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

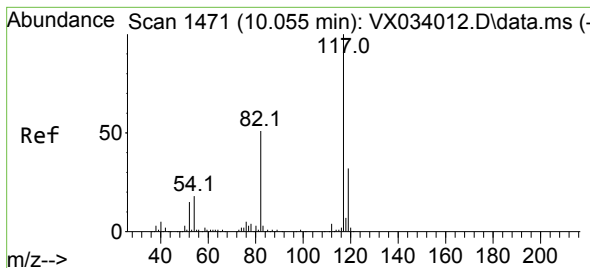
Tgt Ion: 98 Resp: 765974  
Ion Ratio Lower Upper  
98 100  
100 66.2 53.6 80.4



#62  
4-Bromofluorobenzene  
Concen: 45.902 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX034164.D  
Acq: 17 Feb 2023 17:50

Tgt Ion: 95 Resp: 265672  
Ion Ratio Lower Upper  
95 100  
174 77.7 0.0 184.4  
176 74.7 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX034164.D

Acq: 17 Feb 2023 17:50

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

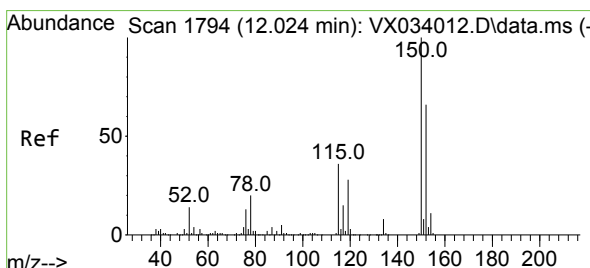
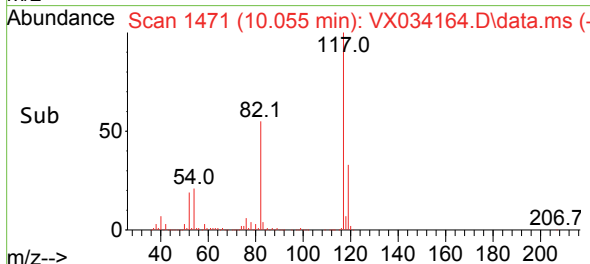
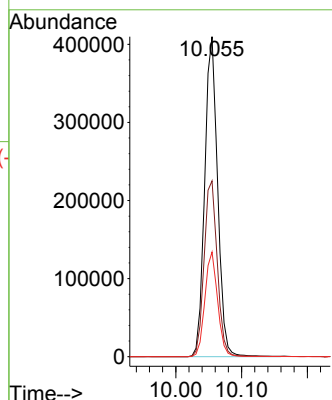
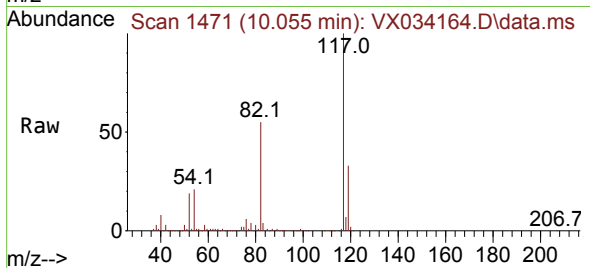
Tgt Ion:117 Resp: 559626

Ion Ratio Lower Upper

117 100

82 55.0 40.6 60.8

119 32.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX034164.D

Acq: 17 Feb 2023 17:50

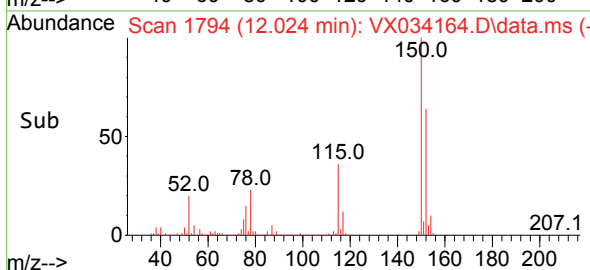
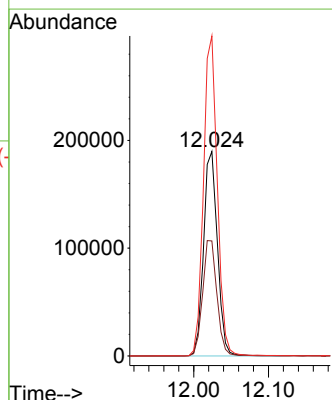
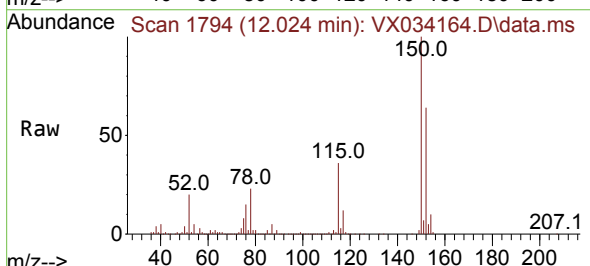
Tgt Ion:152 Resp: 244627

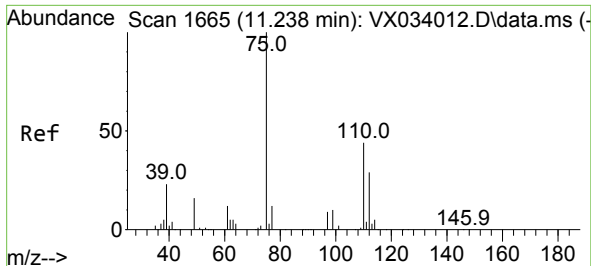
Ion Ratio Lower Upper

152 100

115 58.2 38.7 116.1

150 156.3 0.0 348.2

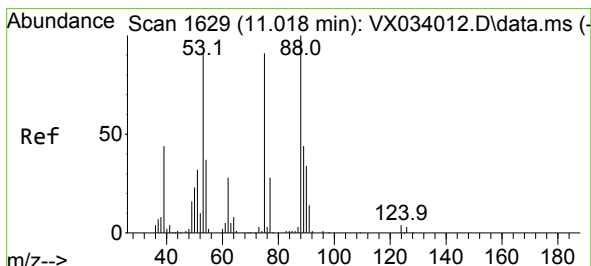
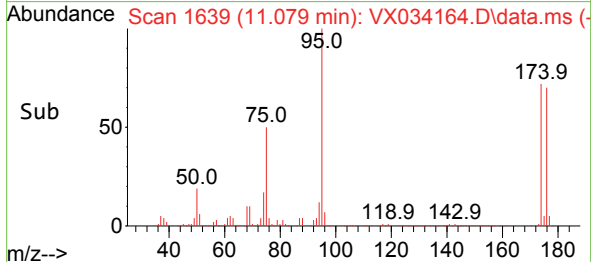
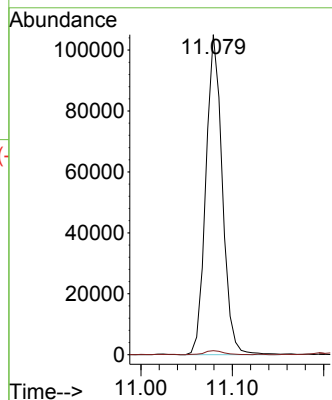
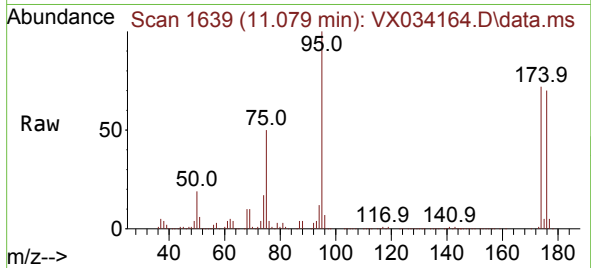




#76  
1,2,3-Trichloropropane  
Concen: 21.319 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX034164.D  
Acq: 17 Feb 2023 17:50

Instrument :  
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STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 131232  
Ion Ratio Lower Upper  
75 100  
77 1.5 21.8 65.4#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.768 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX034164.D  
Acq: 17 Feb 2023 17:50

Tgt Ion: 75 Resp: 131232  
Ion Ratio Lower Upper  
75 100  
53 0.1 83.0 124.6#  
89 0.0 37.7 56.5#

