

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112921\  
 Data File : VX025365.D  
 Acq On : 29 Nov 2021 13:27  
 Operator : JC/MD  
 Sample : M4847-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Nov 30 04:01:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 17 15:36:16 2021  
 Response via : Initial Calibration

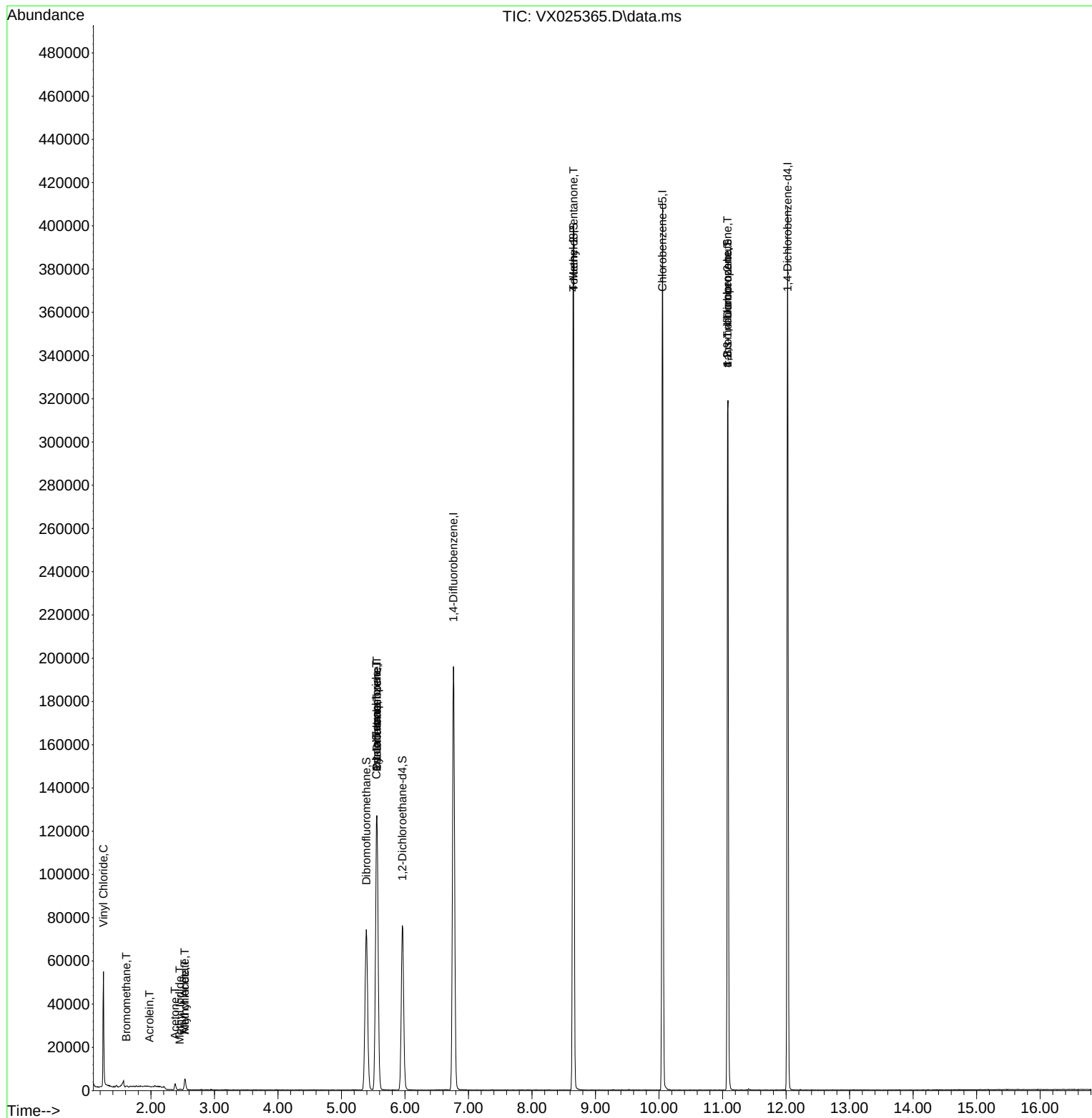
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 131802   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 211831   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 192254   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 87464    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 70951    | 51.070    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | = 102.140% |          |
| 35) Dibromofluoromethane      | 5.391  | 113   | 64687    | 49.770    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 99.540%  |          |
| 50) Toluene-d8                | 8.653  | 98    | 242227   | 49.568    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | = 99.140%  |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 86161    | 46.606    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | = 93.220%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 4) Vinyl Chloride             | 1.252  | 62    | 427      | 0.275     | ug/l #     | 1        |
| 5) Bromomethane               | 1.612  | 94    | 209      | 0.313     | ug/l       | 91       |
| 10) Methyl Iodide             | 2.453  | 142   | 320      | 0.209     | ug/l #     | 70       |
| 11) Tert butyl alcohol        | 2.941  | 59    | 75       | Below Cal | #          | 72       |
| 13) Acrolein                  | 1.977  | 56    | 60       | 0.943     | ug/l #     | 1        |
| 14) Allyl chloride            | 2.532  | 41    | 481      | 0.218     | ug/l #     | 71       |
| 16) Acetone                   | 2.380  | 43    | 2829     | 3.665     | ug/l       | 94       |
| 18) Methyl Acetate            | 2.532  | 43    | 1382     | 0.560     | ug/l #     | 52       |
| 31) Cyclohexane               | 5.556  | 56    | 2378     | 1.108     | ug/l #     | 3        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 8630     | 4.670     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 12483    | 6.132     | ug/l #     | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43    | 949      | 0.432     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 41834    | 23.357    | ug/l #     | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 41834    | 58.840    | ug/l #     | 9        |
| 95) Naphthalene               | 13.786 | 128   | 76       | Below Cal | #          | 69       |
| -----                         |        |       |          |           |            |          |

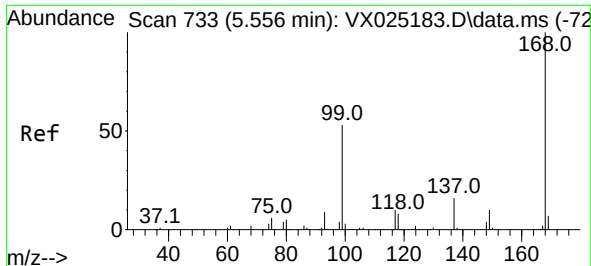
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112921\  
Data File : VX025365.D  
Acq On : 29 Nov 2021 13:27  
Operator : JC/MD  
Sample : M4847-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Nov 30 04:01:10 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 17 15:36:16 2021  
Response via : Initial Calibration

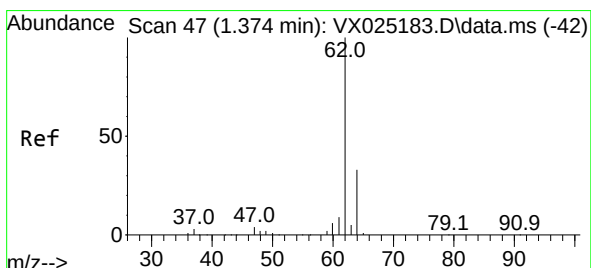
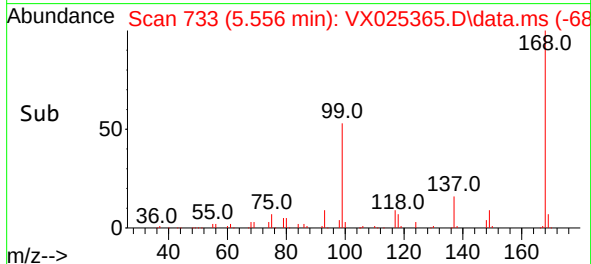
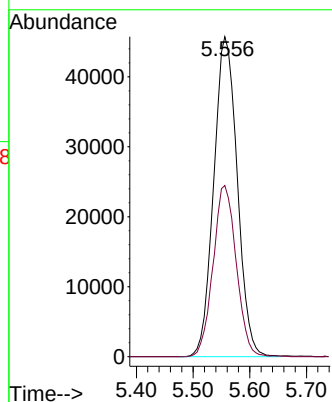
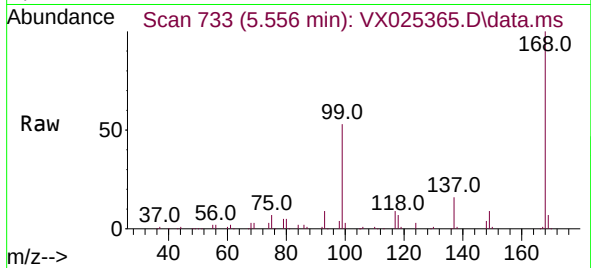




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

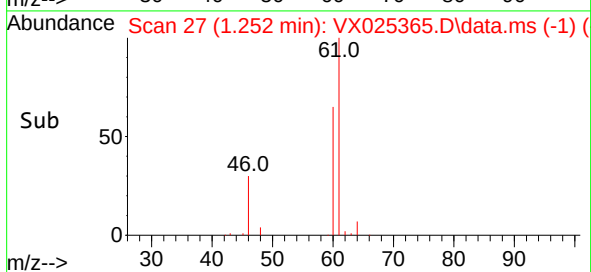
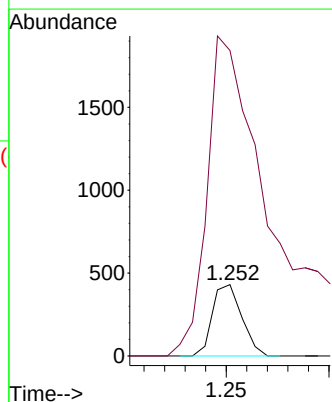
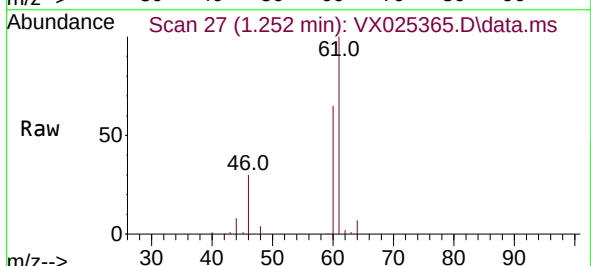
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

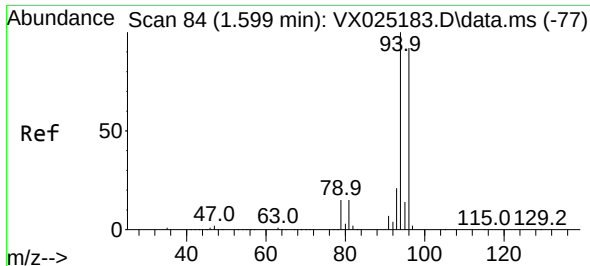
Tgt Ion:168 Resp: 131802  
Ion Ratio Lower Upper  
168 100  
99 53.5 46.4 69.6



#4  
Vinyl Chloride  
Concen: 0.275 ug/l  
RT: 1.252 min Scan# 27  
Delta R.T. -0.122 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

Tgt Ion: 62 Resp: 427  
Ion Ratio Lower Upper  
62 100  
64 411.6 26.0 39.0#

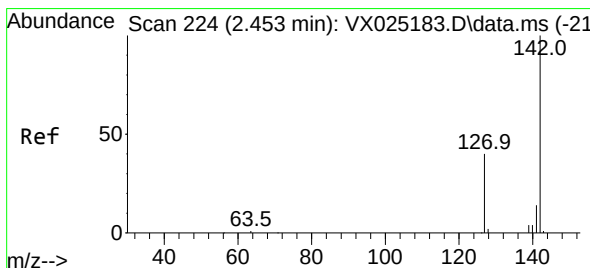
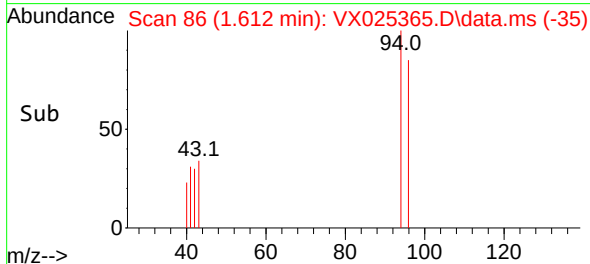
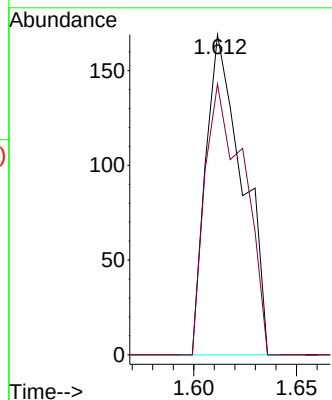
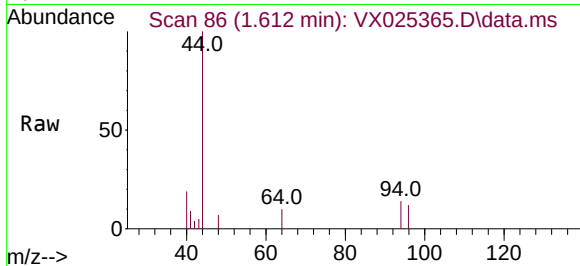




#5  
Bromomethane  
Concen: 0.313 ug/l  
RT: 1.612 min Scan# 84  
Delta R.T. 0.013 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

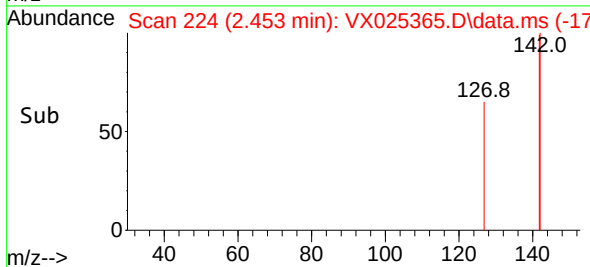
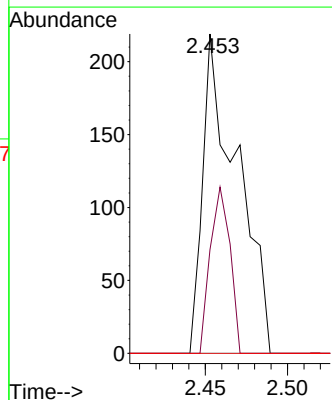
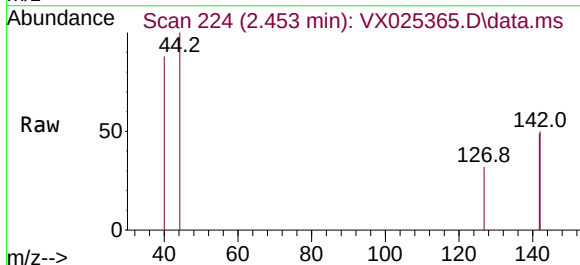
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

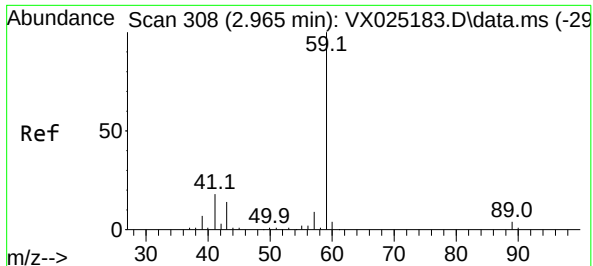
Tgt Ion: 94 Resp: 209  
Ion Ratio Lower Upper  
94 100  
96 84.6 74.8 112.2



#10  
Methyl Iodide  
Concen: 0.209 ug/l  
RT: 2.453 min Scan# 224  
Delta R.T. -0.000 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

Tgt Ion: 142 Resp: 320  
Ion Ratio Lower Upper  
142 100  
127 29.7 38.9 58.3#  
141 0.0 11.7 17.5#

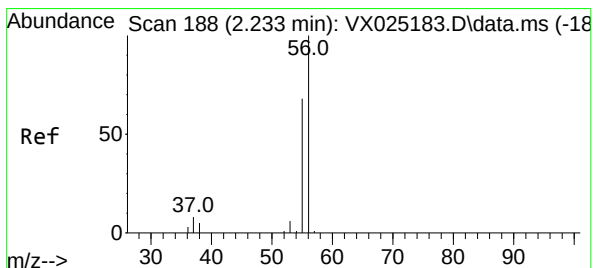
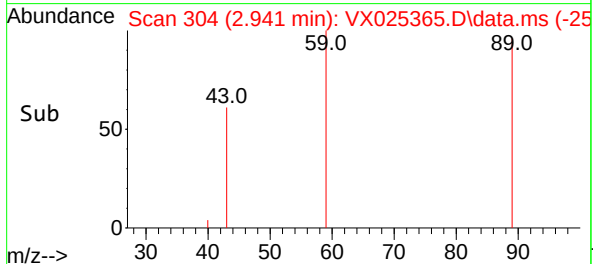
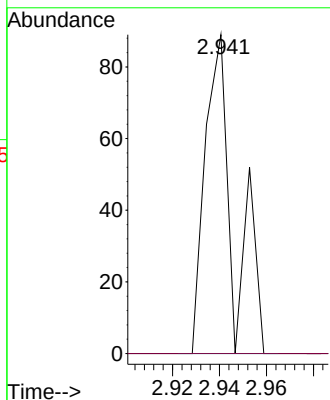
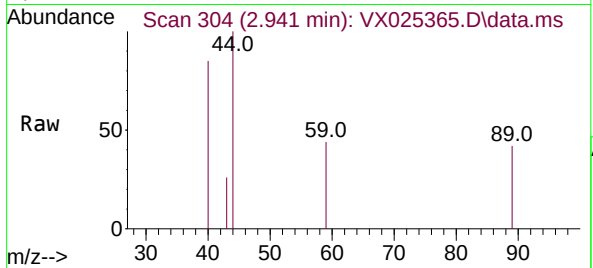




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.941 min Scan# 30  
Delta R.T. -0.024 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

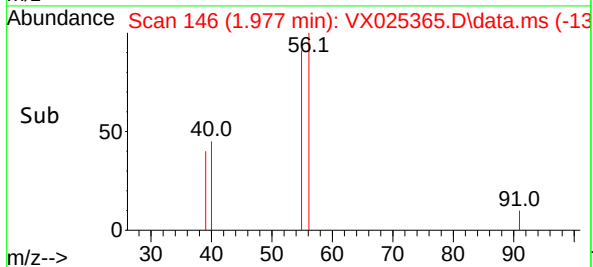
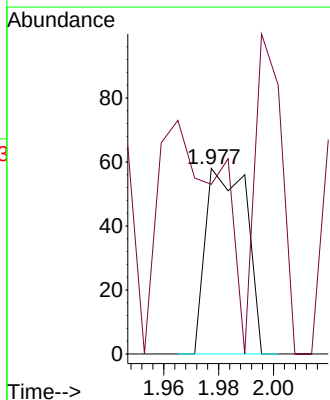
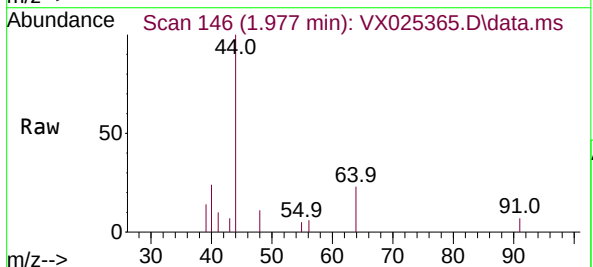
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

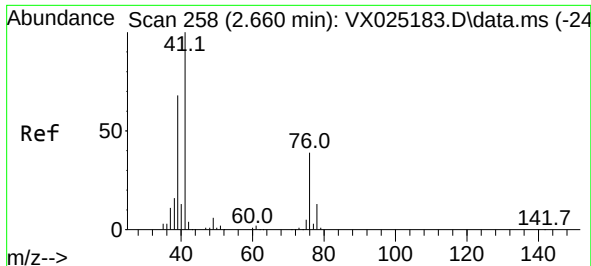
Tgt Ion: 59 Resp: 75  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#



#13  
Acrolein  
Concen: 0.943 ug/l  
RT: 1.977 min Scan# 146  
Delta R.T. -0.256 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

Tgt Ion: 56 Resp: 60  
Ion Ratio Lower Upper  
56 100  
55 188.3 58.6 87.8#

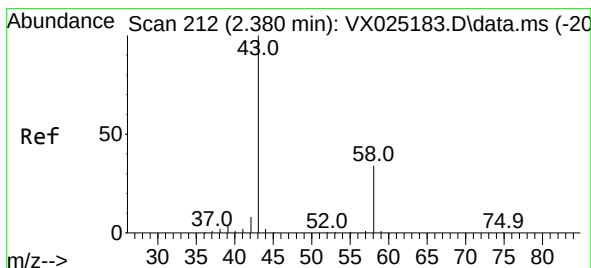
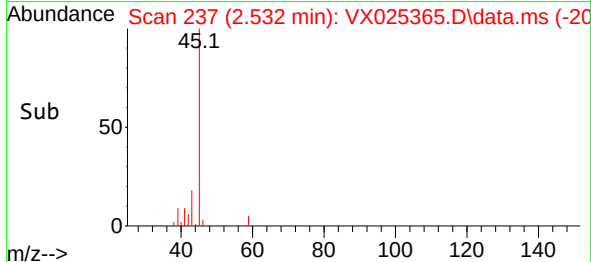
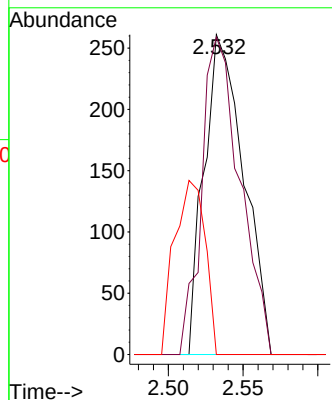
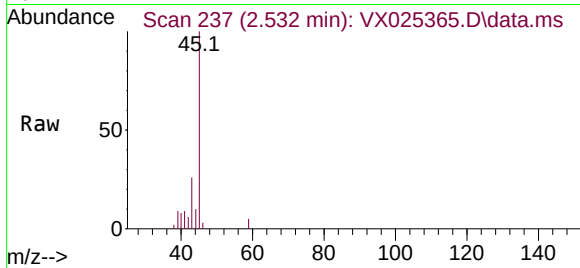




#14  
 Allyl chloride  
 Concen: 0.218 ug/l  
 RT: 2.532 min Scan# 21  
 Delta R.T. -0.128 min  
 Lab File: VX025365.D  
 Acq: 29 Nov 2021 13:27

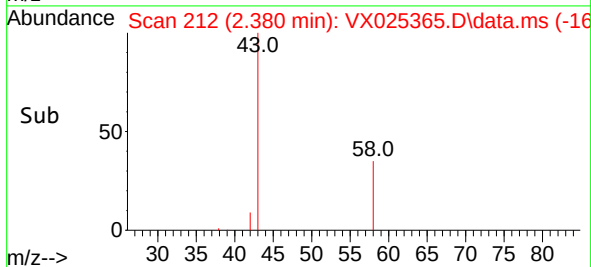
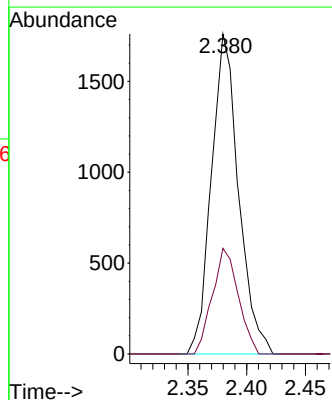
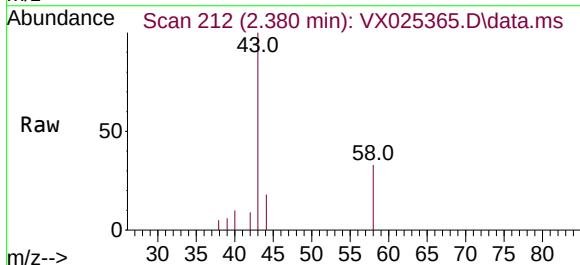
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-5

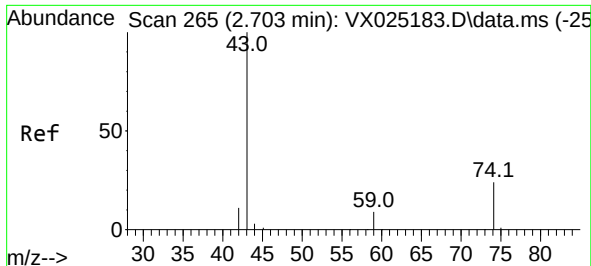
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 481   |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 96.0     | 54.6 82.0#  |
| 76 42.0     | 25.3 37.9#  |



#16  
 Acetone  
 Concen: 3.665 ug/l  
 RT: 2.380 min Scan# 212  
 Delta R.T. -0.000 min  
 Lab File: VX025365.D  
 Acq: 29 Nov 2021 13:27

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 2829  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 33.0     | 24.0 36.0   |

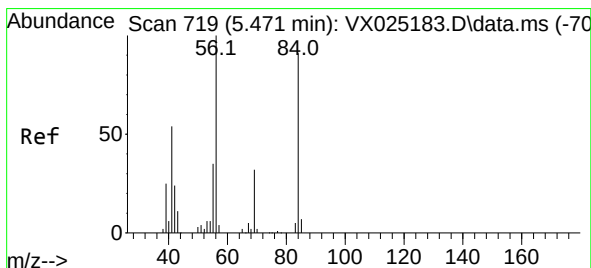
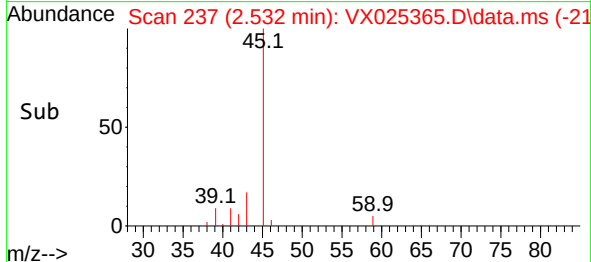
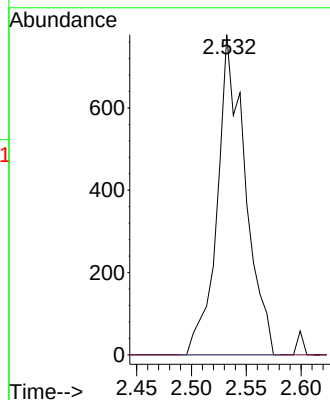
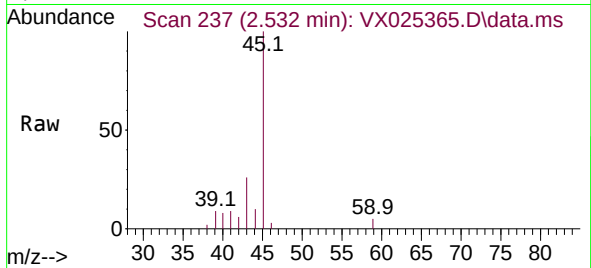




#18  
Methyl Acetate  
Concen: 0.560 ug/l  
RT: 2.532 min Scan# 21  
Delta R.T. -0.171 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

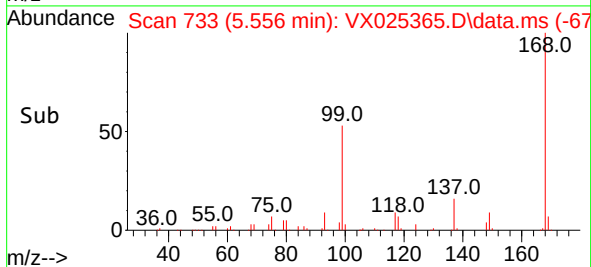
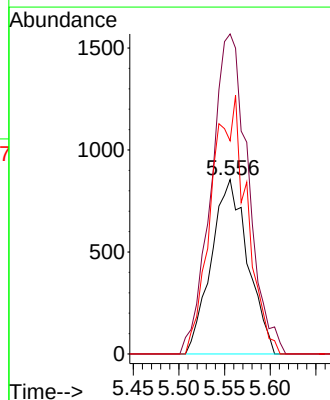
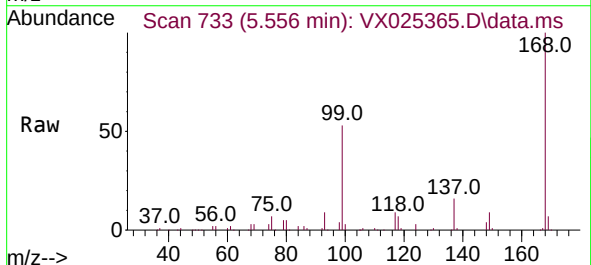
Instrument :  
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STORAGE-BLANK-WATER-REF-5

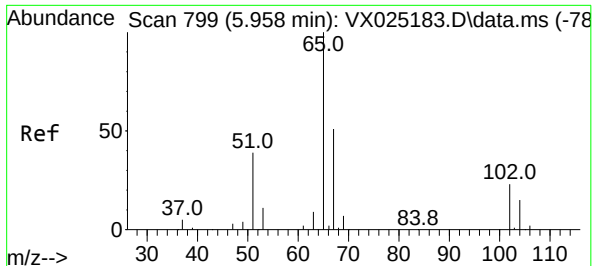
Tgt Ion: 43 Resp: 1382  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.0 28.6#



#31  
Cyclohexane  
Concen: 1.108 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.085 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

Tgt Ion: 56 Resp: 2378  
Ion Ratio Lower Upper  
56 100  
69 183.5 24.2 36.2#  
84 122.2 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 51.070 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025365.D

Acq: 29 Nov 2021 13:27

Instrument :

MSVOA\_X

ClientSampleId :

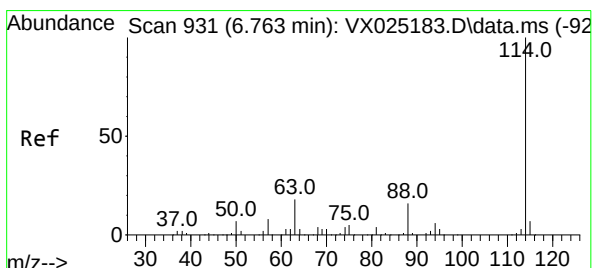
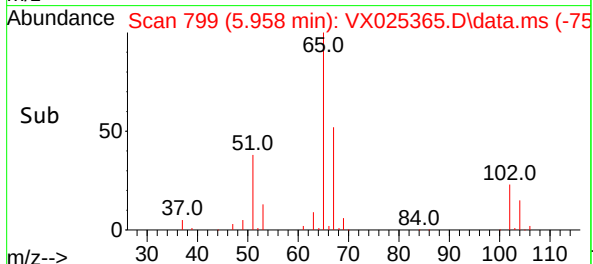
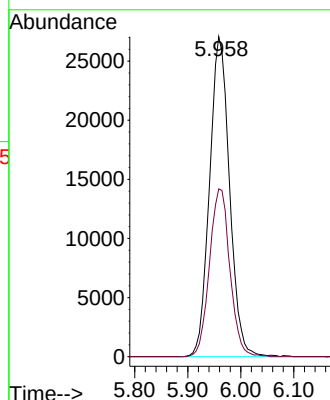
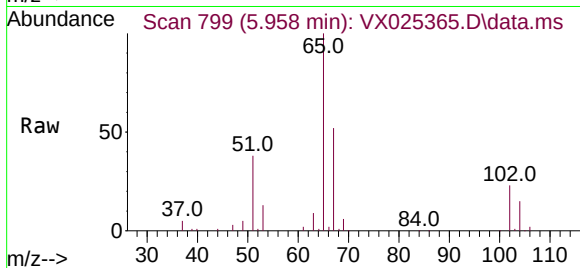
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 65 Resp: 70951

Ion Ratio Lower Upper

65 100

67 53.5 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX025365.D

Acq: 29 Nov 2021 13:27

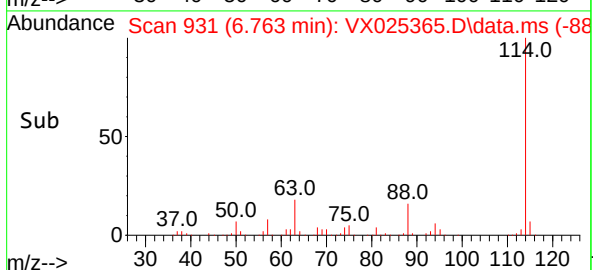
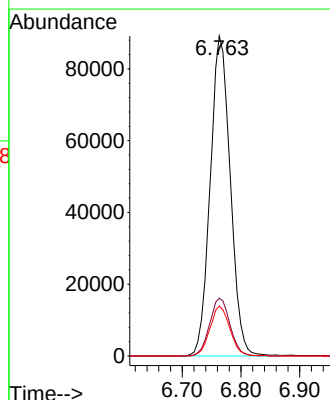
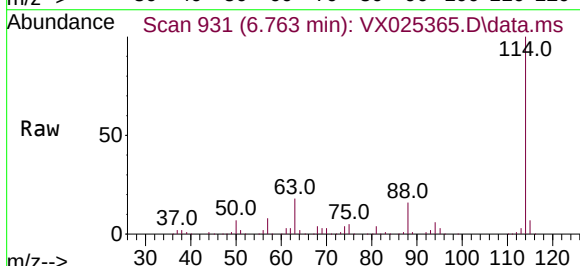
Tgt Ion: 114 Resp: 211831

Ion Ratio Lower Upper

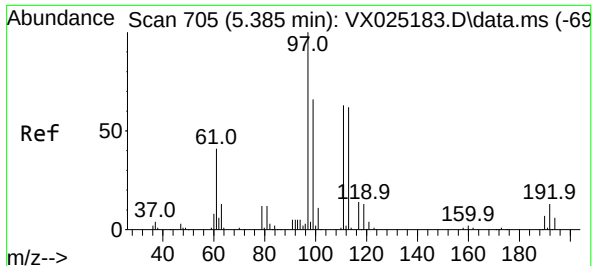
114 100

63 18.1 0.0 41.0

88 15.6 0.0 34.8



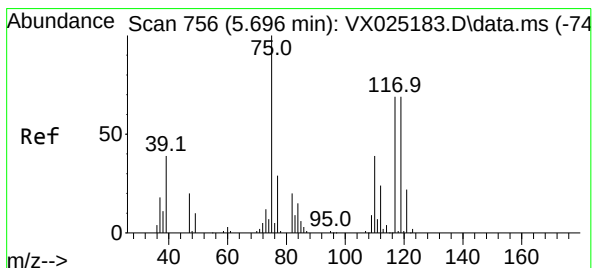
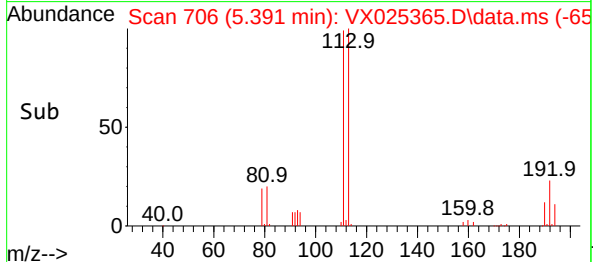
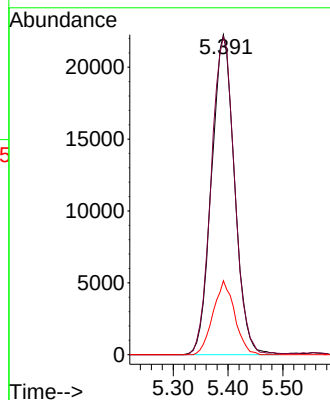
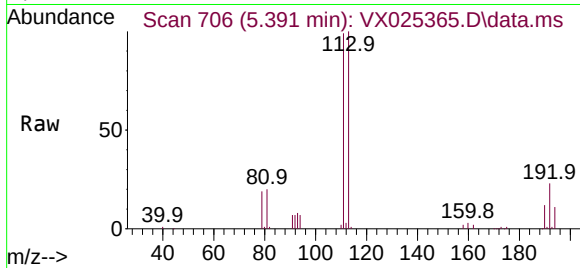




#35  
Dibromofluoromethane  
Concen: 49.770 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

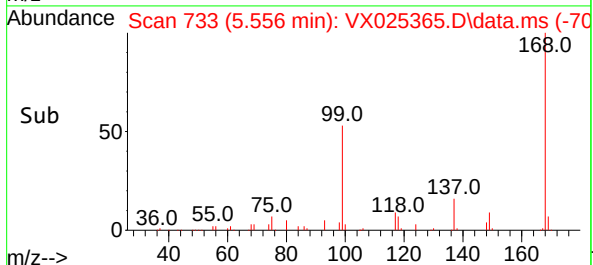
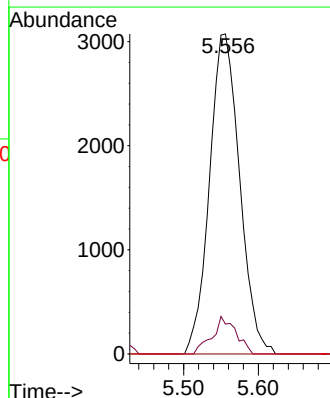
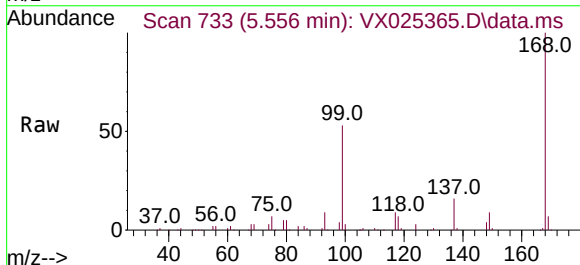
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

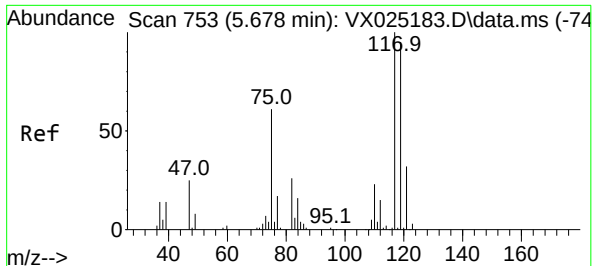
Tgt Ion:113 Resp: 64687  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.1 123.1  
192 21.7 15.6 23.4



#36  
1,1-Dichloropropene  
Concen: 4.670 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.140 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

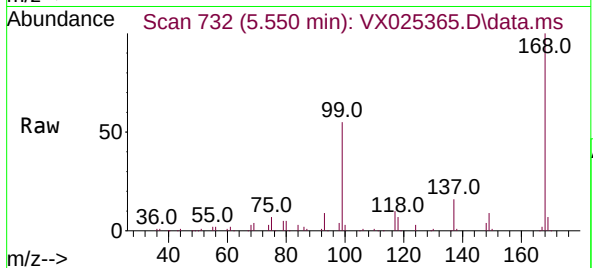
Tgt Ion: 75 Resp: 8630  
Ion Ratio Lower Upper  
75 100  
110 9.2 18.1 54.3#  
77 0.0 24.4 36.6#



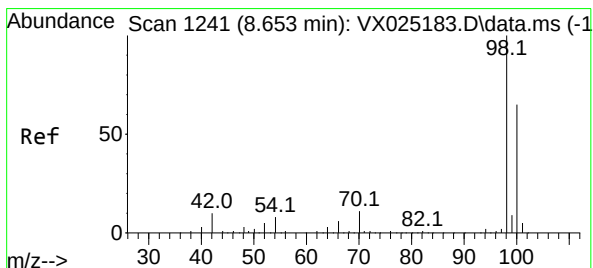
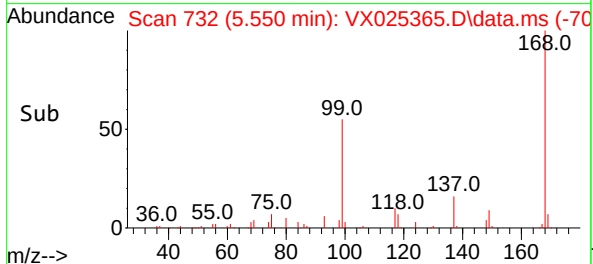
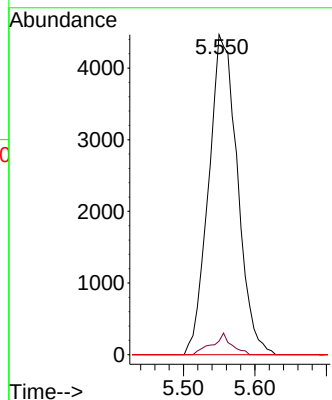


#38  
Carbon Tetrachloride  
Concen: 6.132 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

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

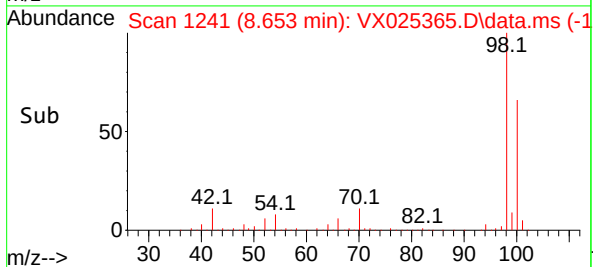
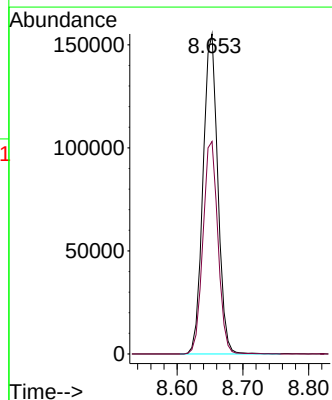
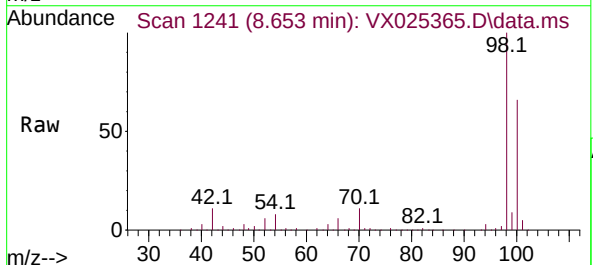


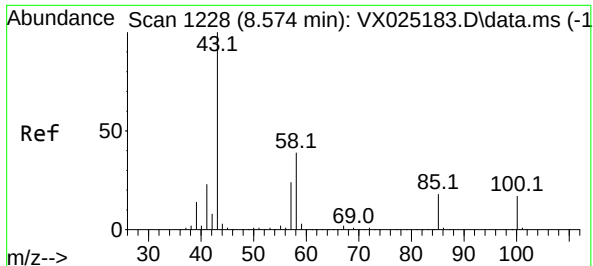
Tgt Ion:117 Resp: 12483  
Ion Ratio Lower Upper  
117 100  
119 4.2 75.6 113.4#  
121 0.0 23.7 35.5#



#50  
Toluene-d8  
Concen: 49.568 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

Tgt Ion: 98 Resp: 242227  
Ion Ratio Lower Upper  
98 100  
100 67.3 51.4 77.0

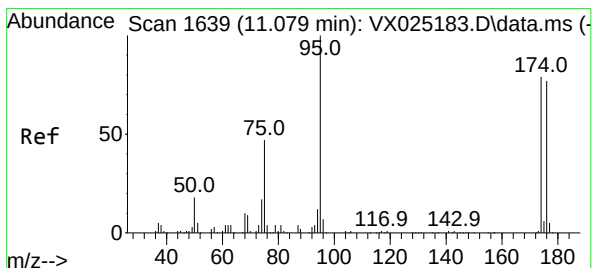
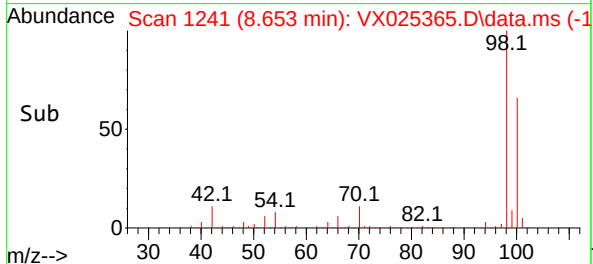
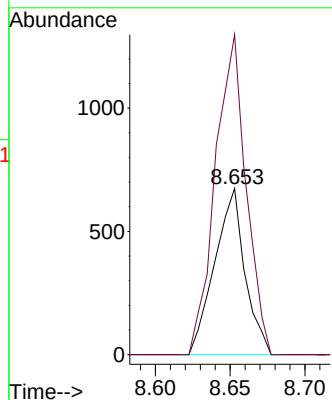
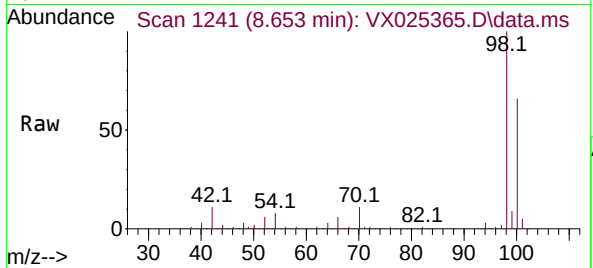




#51  
4-Methyl-2-Pentanone  
Concen: 0.432 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.079 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

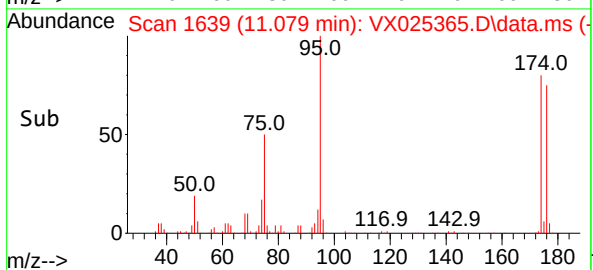
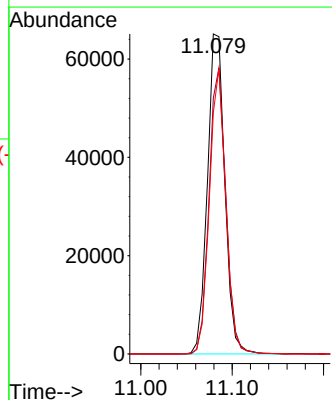
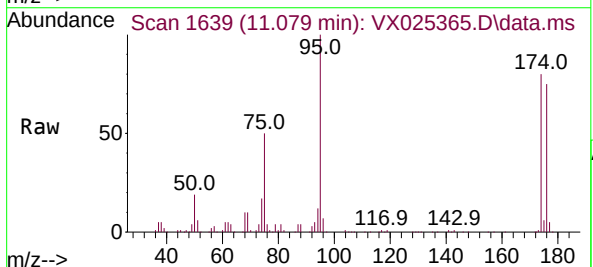
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

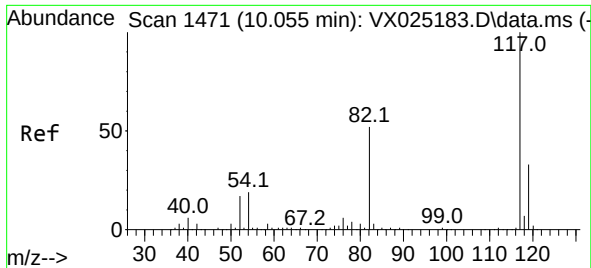
Tgt Ion: 43 Resp: 949  
Ion Ratio Lower Upper  
43 100  
58 195.8 30.9 46.3#



#62  
4-Bromofluorobenzene  
Concen: 46.606 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

Tgt Ion: 95 Resp: 86161  
Ion Ratio Lower Upper  
95 100  
174 86.6 0.0 158.0  
176 83.8 0.0 153.6

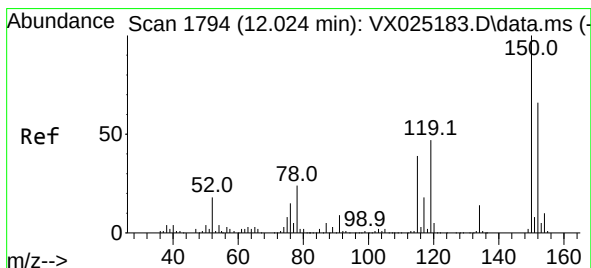
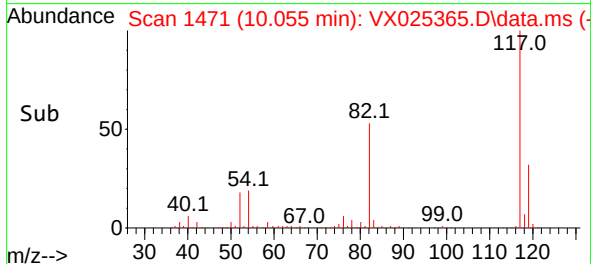
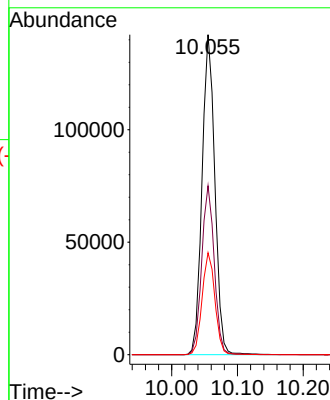
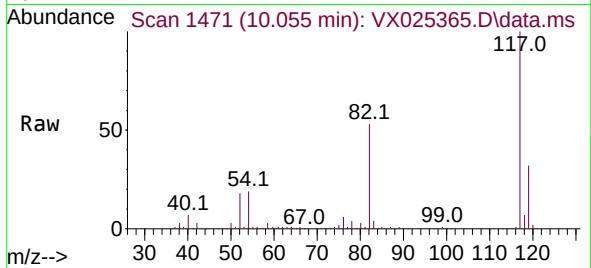




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

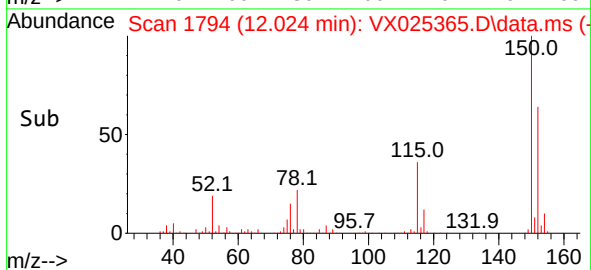
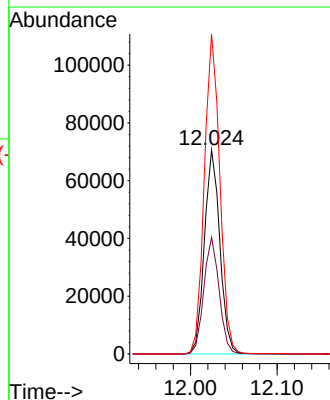
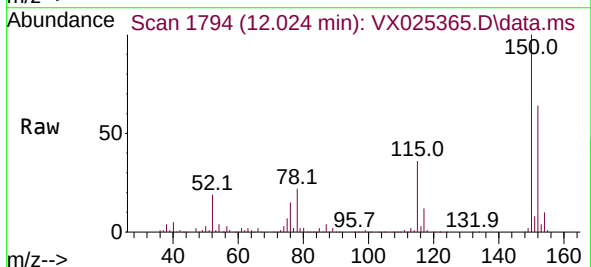
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

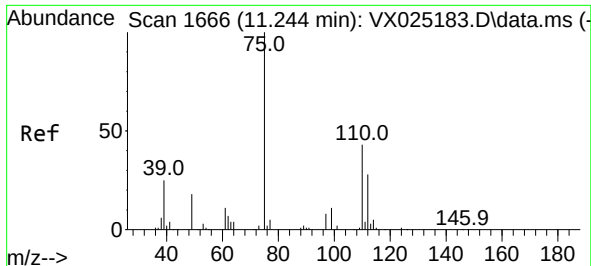
Tgt Ion:117 Resp: 192254  
Ion Ratio Lower Upper  
117 100  
82 52.8 44.6 67.0  
119 31.9 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

Tgt Ion:152 Resp: 87464  
Ion Ratio Lower Upper  
152 100  
115 56.6 43.3 129.8  
150 157.6 0.0 351.2

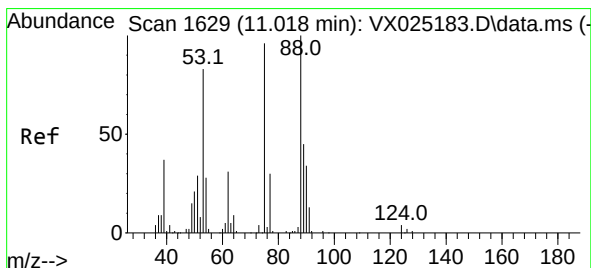
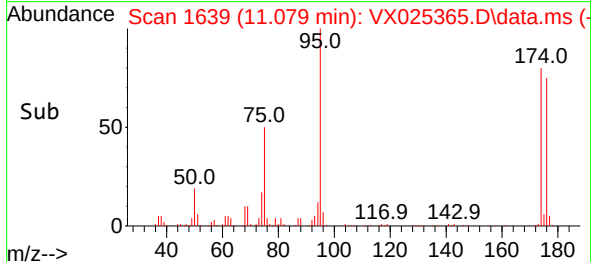
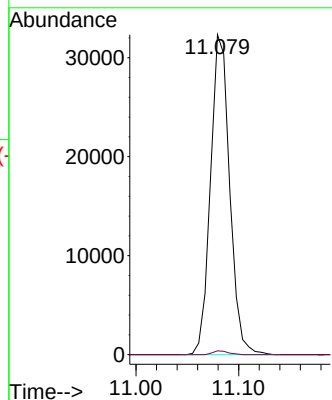
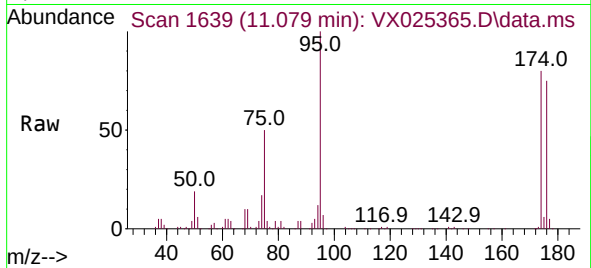




#76  
1,2,3-Trichloropropane  
Concen: 23.357 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

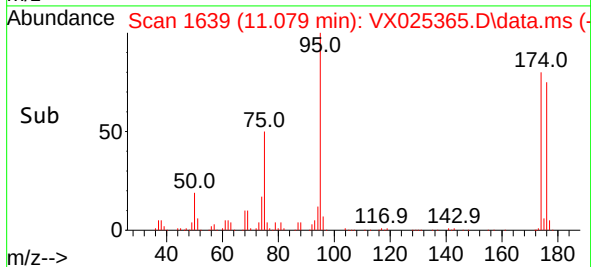
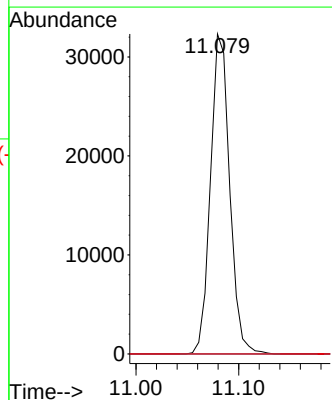
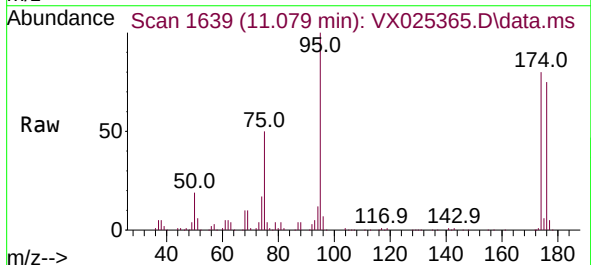
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

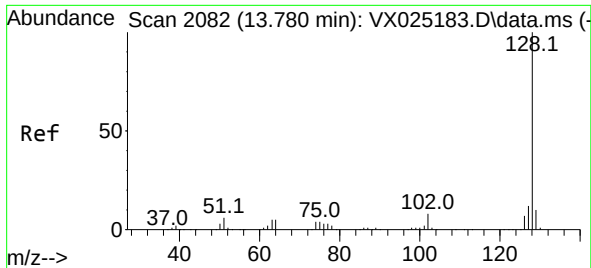
Tgt Ion: 75 Resp: 41834  
Ion Ratio Lower Upper  
75 100  
77 1.0 20.0 59.9#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.840 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

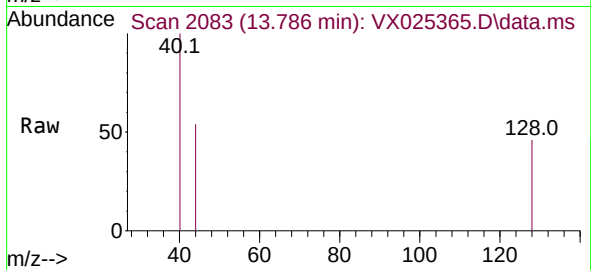
Tgt Ion: 75 Resp: 41834  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.9 122.9#  
89 0.0 38.2 57.2#





#95  
Naphthalene  
Concen: Below Cal  
RT: 13.786 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VX025365.D  
Acq: 29 Nov 2021 13:27

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



Tgt Ion:128 Resp: 76  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

