

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012722\  
 Data File : VX026625.D  
 Acq On : 27 Jan 2022 15:31  
 Operator : JC/MD  
 Sample : N1296-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-8BRA

Quant Time: Jan 28 04:26:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 11 14:45:13 2022  
 Response via : Initial Calibration

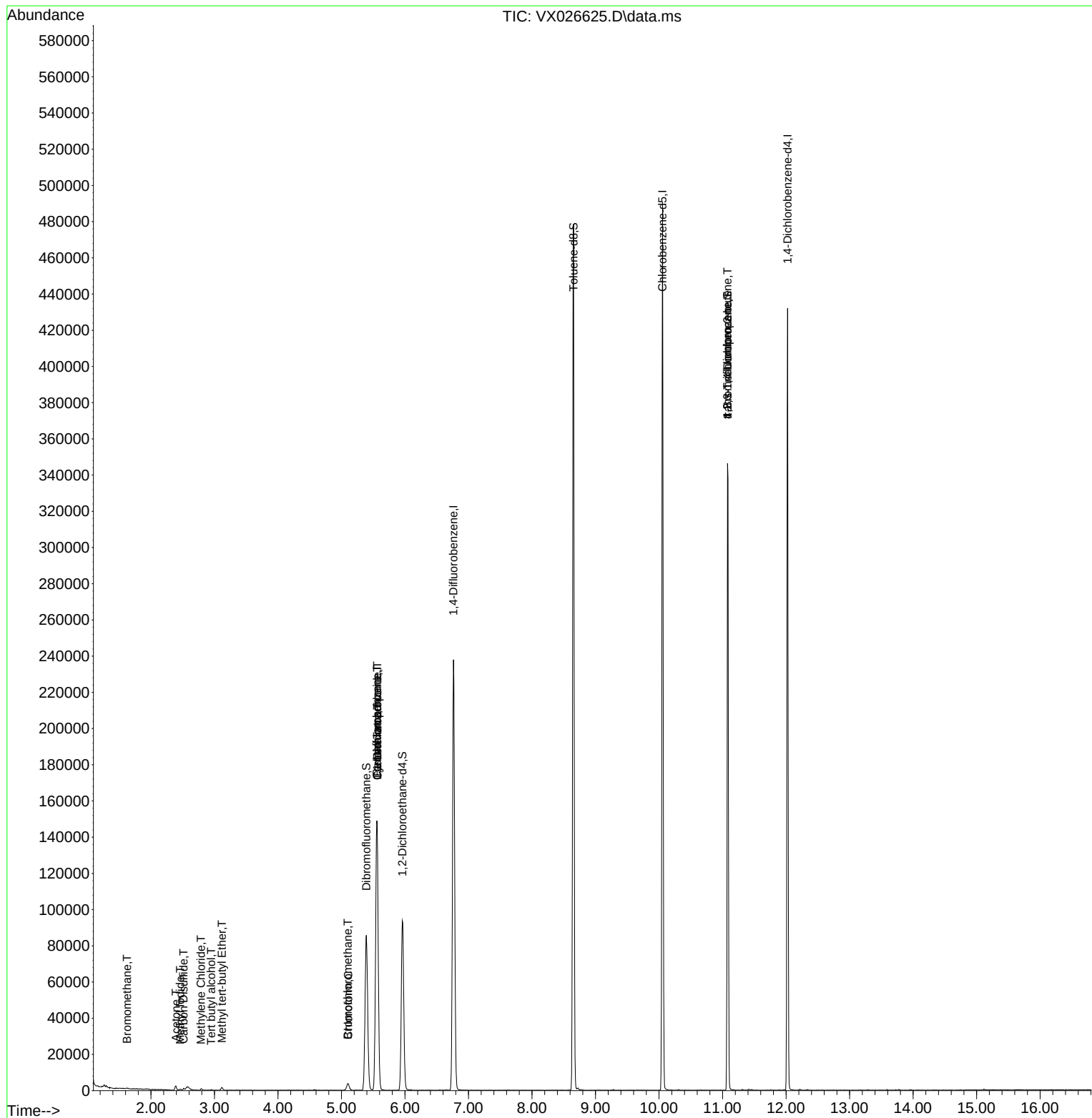
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 142921     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 241053     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 211997     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 86024      | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 93030      | 46.597  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 93.200% |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 75453      | 48.472  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 96.940% |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 279824     | 49.884  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 99.760% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 96885      | 48.620  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 97.240% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 5) Bromomethane               | 1.624          | 94   | 260        | 0.347   | ug/l # | 64       |
| 10) Methyl Iodide             | 2.459          | 142  | 696        | 4.822   | ug/l # | 81       |
| 11) Tert butyl alcohol        | 2.947          | 59   | 62         | 0.223   | ug/l # | 75       |
| 16) Acetone                   | 2.392          | 43   | 2978       | 2.925   | ug/l   | 96       |
| 17) Carbon Disulfide          | 2.514          | 76   | 1240       | 0.285   | ug/l # | 81       |
| 19) Methyl tert-butyl Ether   | 3.117          | 73   | 1450       | 0.268   | ug/l # | 80       |
| 20) Methylene Chloride        | 2.788          | 84   | 381        | 0.226   | ug/l # | 91       |
| 28) Bromochloromethane        | 5.099          | 49   | 312        | 0.252   | ug/l # | 13       |
| 30) Chloroform                | 5.105          | 83   | 4496       | 1.437   | ug/l   | 90       |
| 31) Cyclohexane               | 5.562          | 56   | 2856       | 0.970   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.562          | 75   | 11368      | 4.626   | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.562          | 117  | 14782      | 5.848   | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 49240      | 25.997  | ug/l # | 40       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 49240      | 78.822  | ug/l # | 3        |
| -----                         |                |      |            |         |        |          |

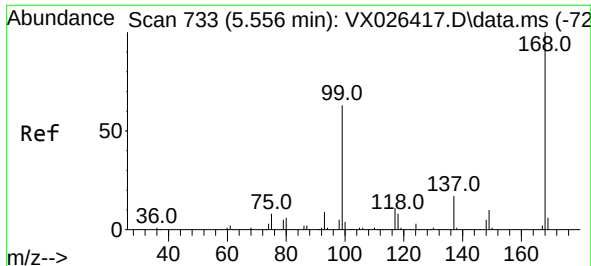
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012722\  
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Sample : N1296-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-8BRA

Quant Time: Jan 28 04:26:23 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 11 14:45:13 2022  
Response via : Initial Calibration

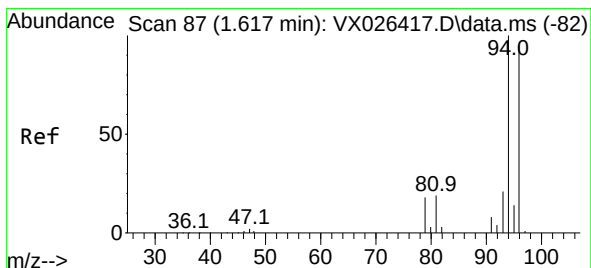
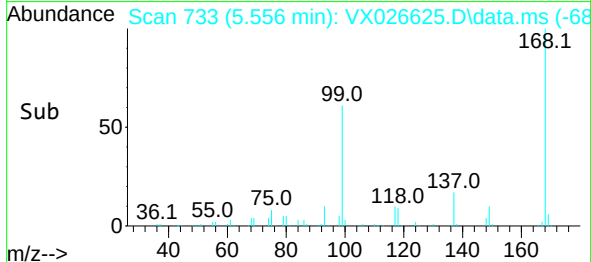
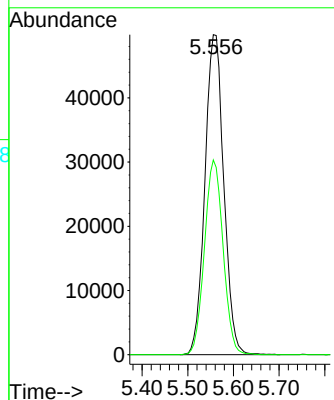
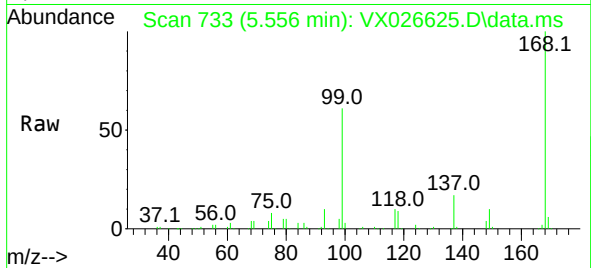




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31

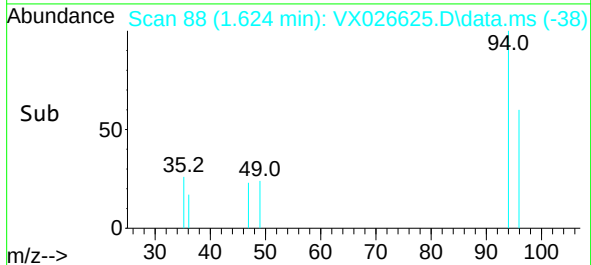
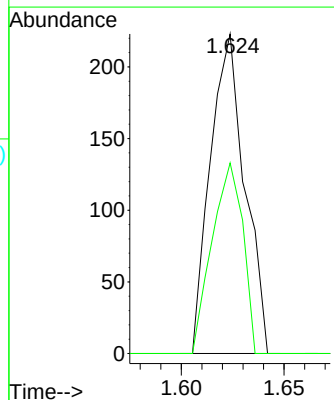
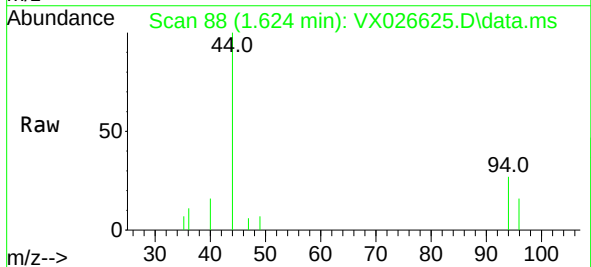
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-8BRA

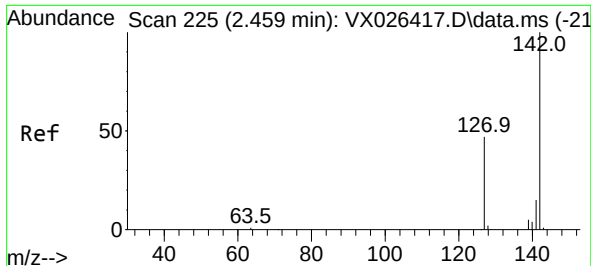
Tgt Ion:168 Resp: 142921  
Ion Ratio Lower Upper  
168 100  
99 60.9 50.3 75.5



#5  
Bromomethane  
Concen: 0.347 ug/l  
RT: 1.624 min Scan# 88  
Delta R.T. 0.006 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31

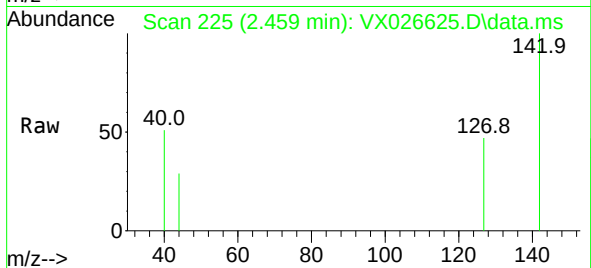
Tgt Ion: 94 Resp: 260  
Ion Ratio Lower Upper  
94 100  
96 59.6 75.9 113.9#



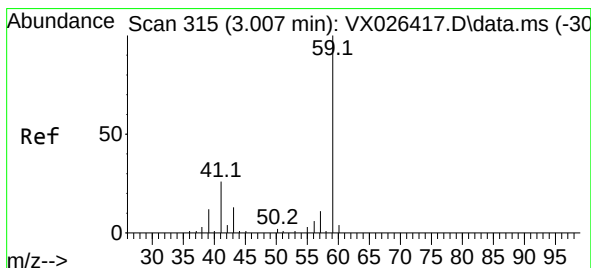
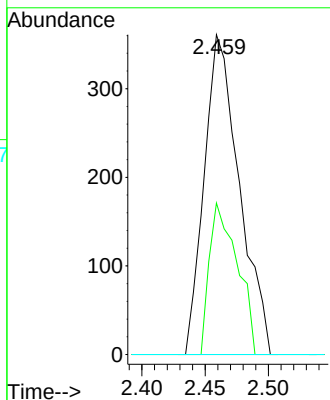
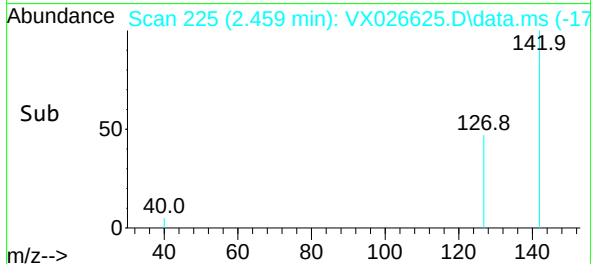


#10  
Methyl Iodide  
Concen: 4.822 ug/l  
RT: 2.459 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31

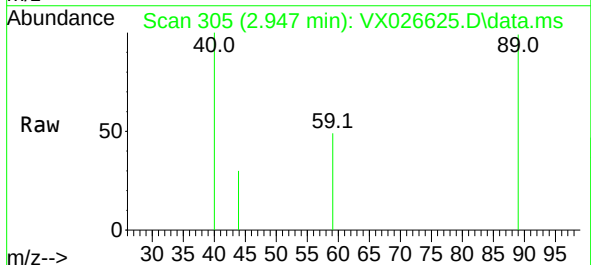
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-8BRA



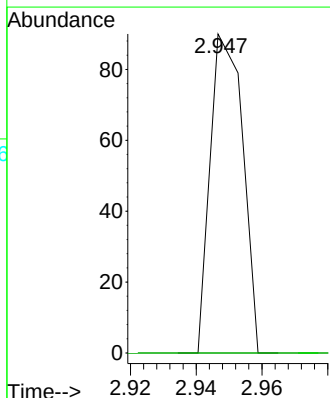
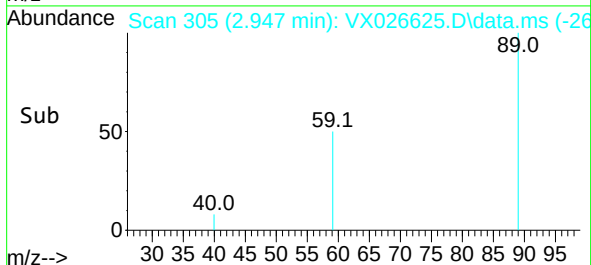
Tgt Ion:142 Resp: 696  
Ion Ratio Lower Upper  
142 100  
127 37.6 38.1 57.1#  
141 0.0 11.2 16.8#

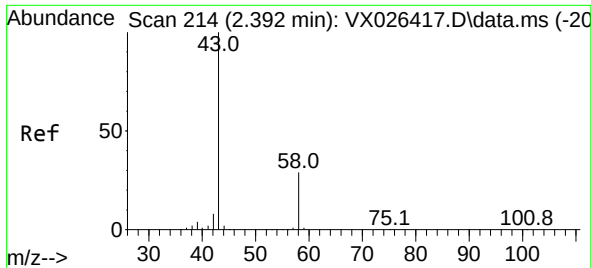


#11  
Tert butyl alcohol  
Concen: 0.223 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.060 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31



Tgt Ion: 59 Resp: 62  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.2 10.8#

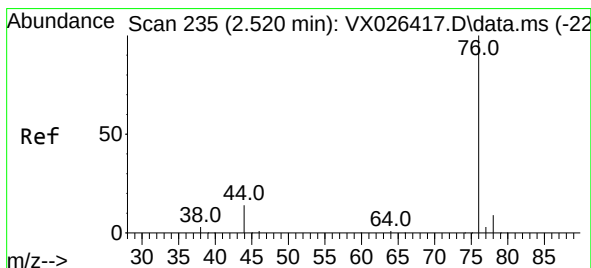
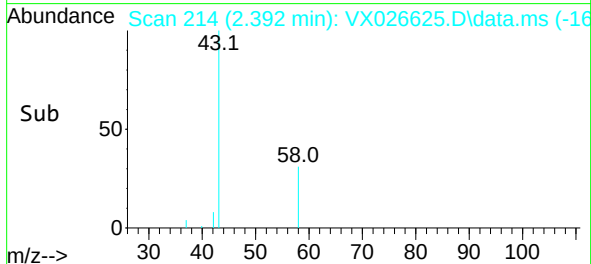
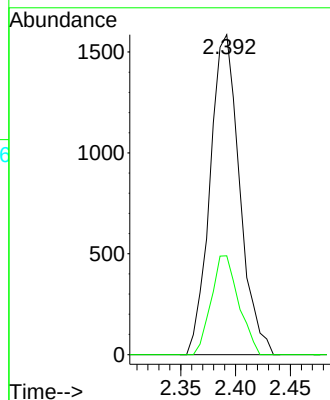
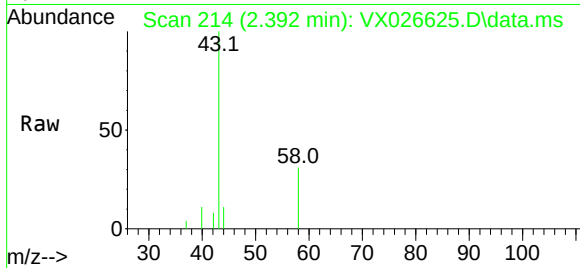




#16  
Acetone  
Concen: 2.925 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.000 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31

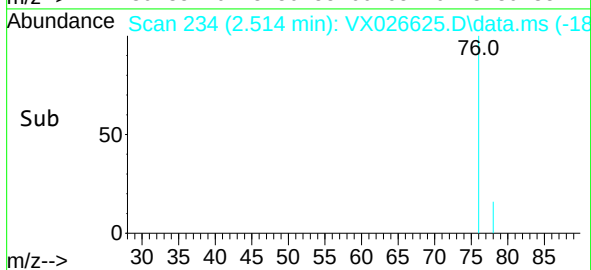
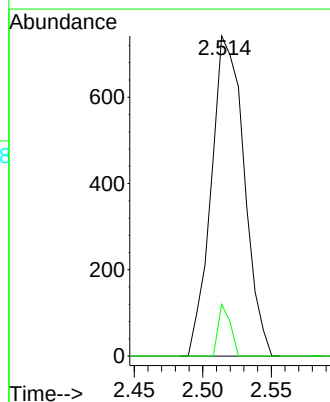
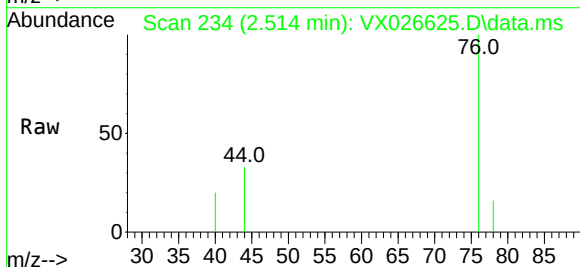
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-8BRA

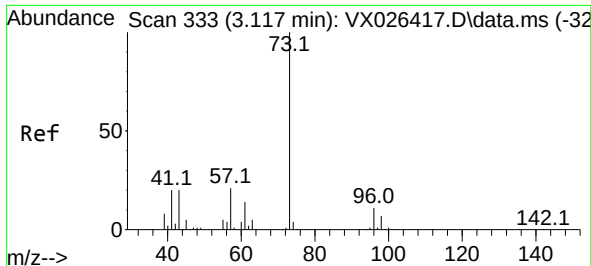
Tgt Ion: 43 Resp: 2978  
Ion Ratio Lower Upper  
43 100  
58 30.9 23.0 34.6



#17  
Carbon Disulfide  
Concen: 0.285 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.006 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31

Tgt Ion: 76 Resp: 1240  
Ion Ratio Lower Upper  
76 100  
78 16.2 7.5 11.3#





#19

Methyl tert-butyl Ether

Concen: 0.268 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX026625.D

Acq: 27 Jan 2022 15:31

Instrument :

MSVOA\_X

ClientSampleId :

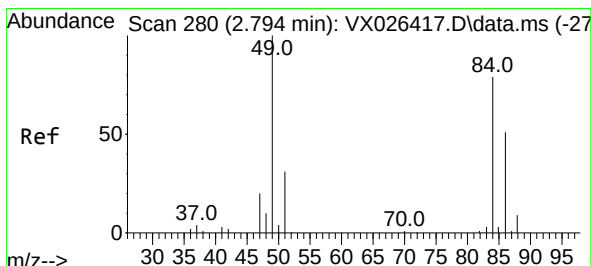
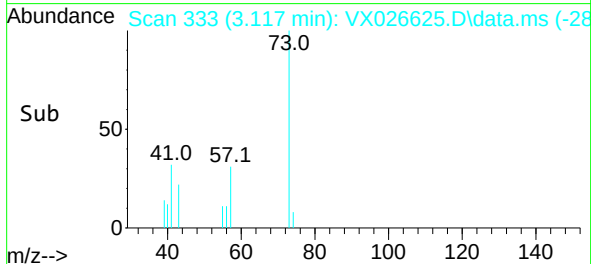
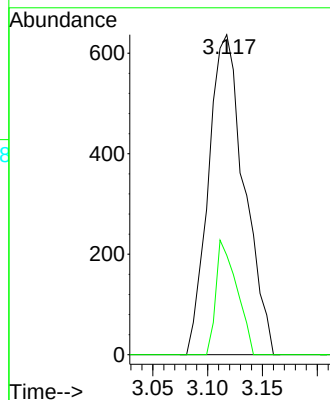
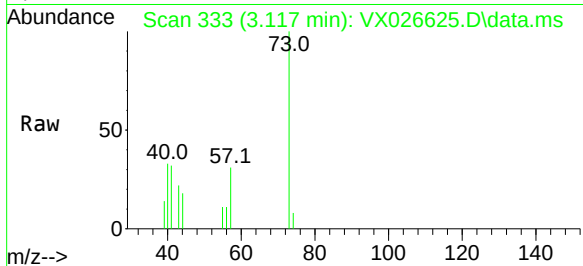
MW-8BRA

Tgt Ion: 73 Resp: 1450

Ion Ratio Lower Upper

73 100

57 31.1 17.4 26.2#



#20

Methylene Chloride

Concen: 0.226 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX026625.D

Acq: 27 Jan 2022 15:31

Tgt Ion: 84 Resp: 381

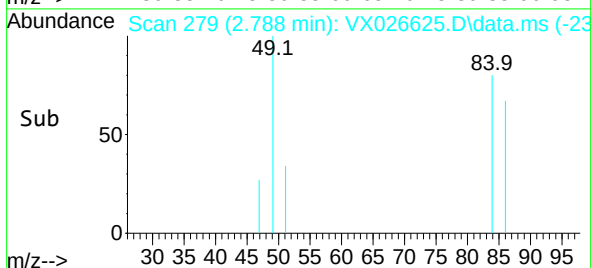
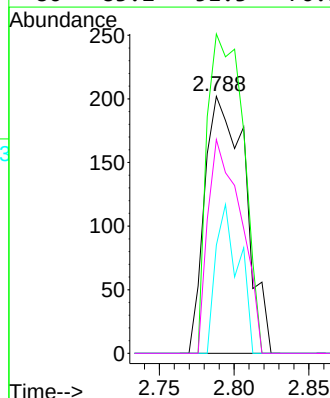
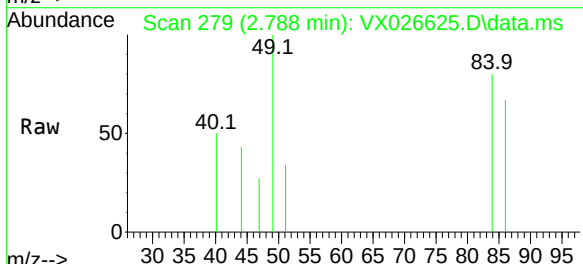
Ion Ratio Lower Upper

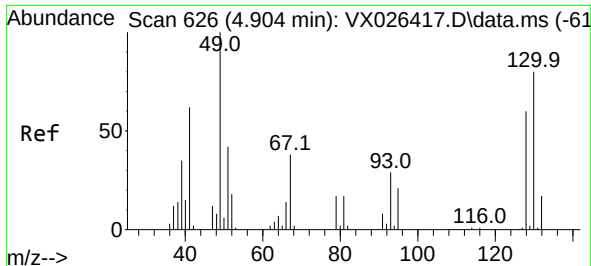
84 100

49 124.3 101.5 152.3

51 42.1 31.2 46.8

86 83.2 51.3 76.9#

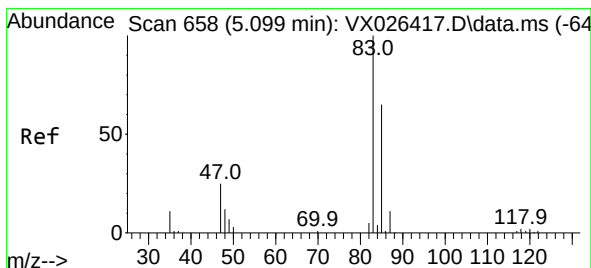
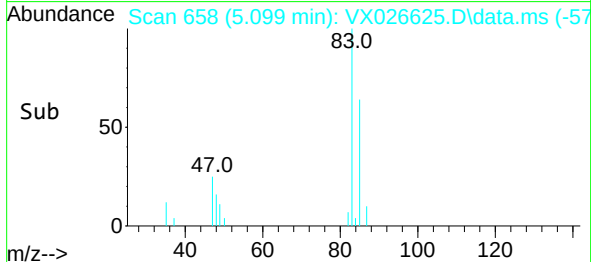
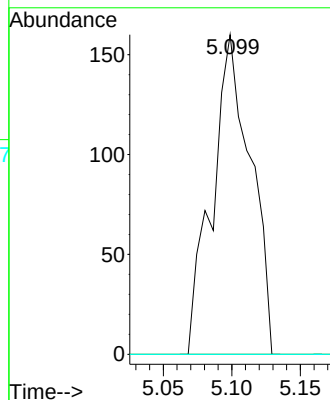
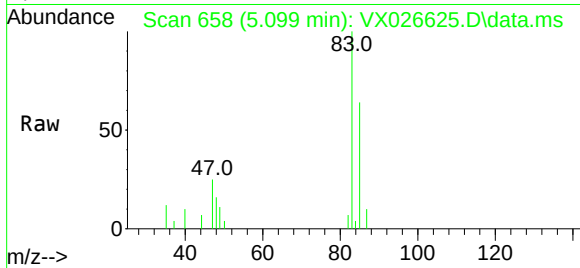




#28  
Bromochloromethane  
Concen: 0.252 ug/l  
RT: 5.099 min Scan# 612  
Delta R.T. 0.195 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31

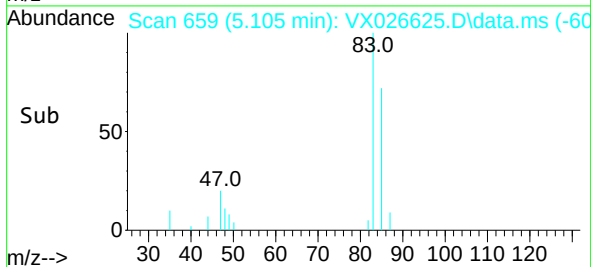
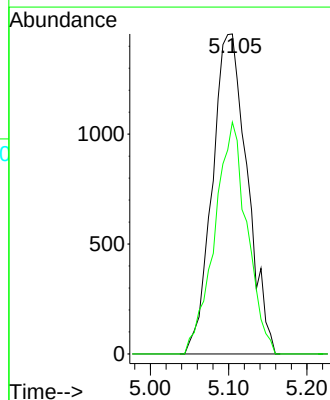
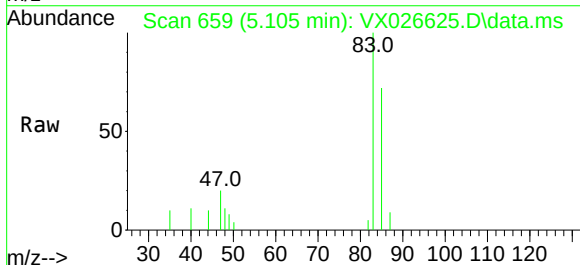
Instrument :  
MSVOA\_X  
ClientSampleId :  
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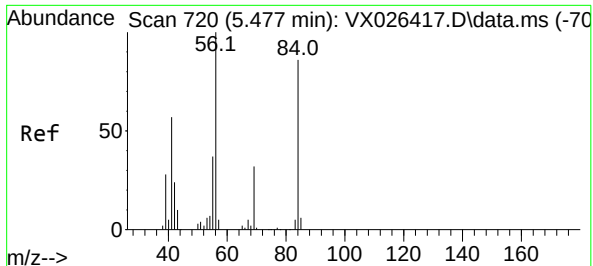
Tgt Ion: 49 Resp: 312  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 4.2  
130 0.0 62.4 93.6#



#30  
Chloroform  
Concen: 1.437 ug/l  
RT: 5.105 min Scan# 659  
Delta R.T. 0.006 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31

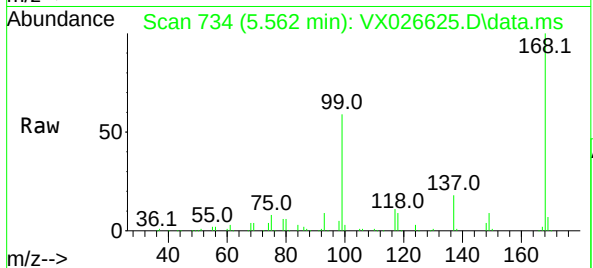
Tgt Ion: 83 Resp: 4496  
Ion Ratio Lower Upper  
83 100  
85 72.5 51.6 77.4



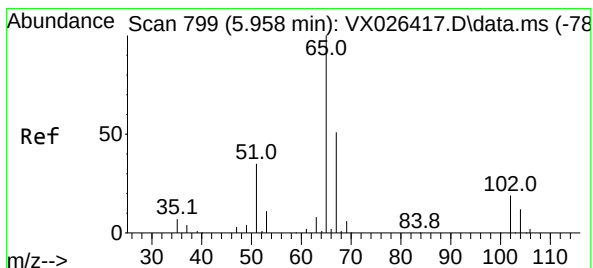
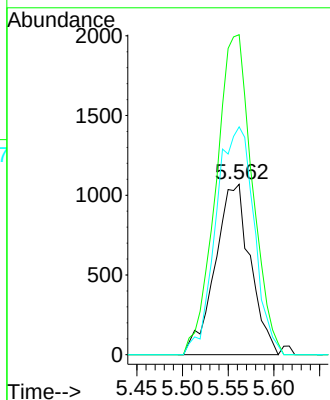
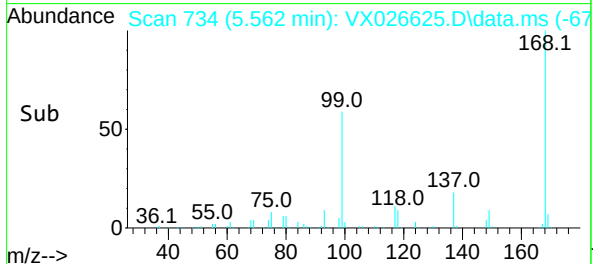


#31  
Cyclohexane  
Concen: 0.970 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.085 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31

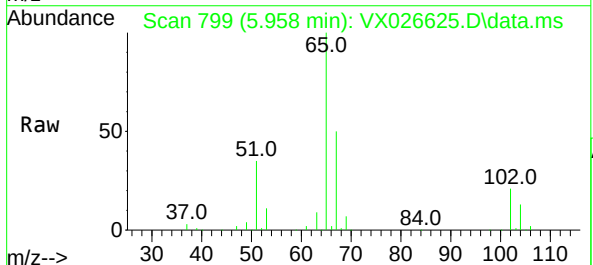
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-8BRA



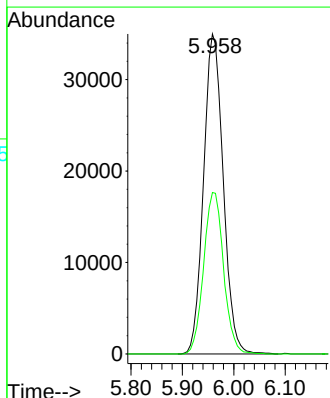
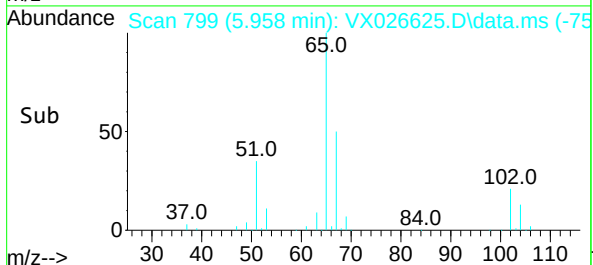
Tgt Ion: 56 Resp: 2856  
Ion Ratio Lower Upper  
56 100  
69 187.7 25.8 38.6#  
84 133.7 68.9 103.3#



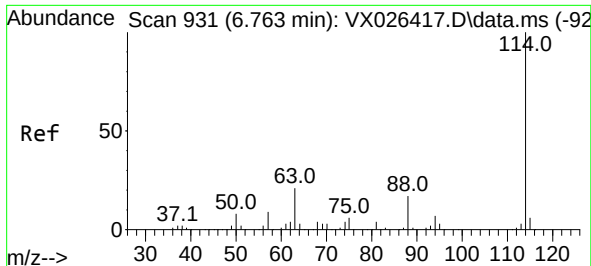
#33  
1,2-Dichloroethane-d4  
Concen: 46.597 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31



Tgt Ion: 65 Resp: 93030  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 100.8



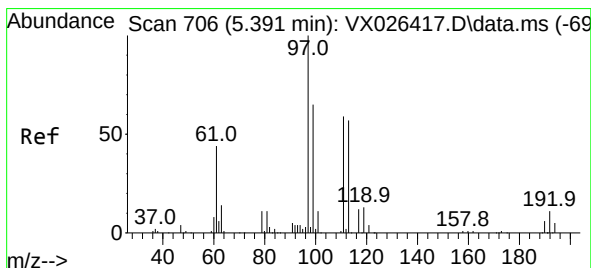
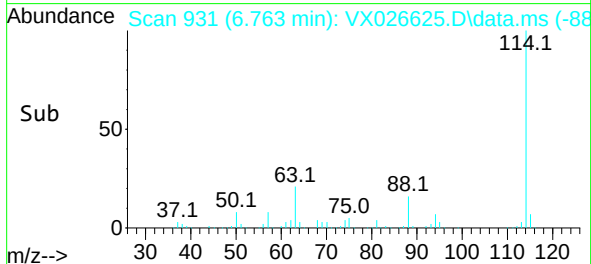
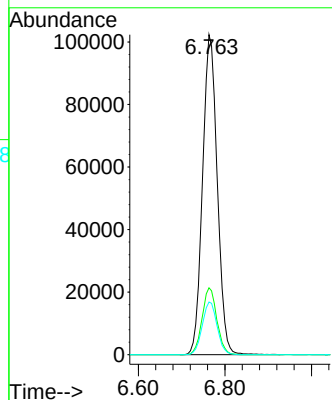
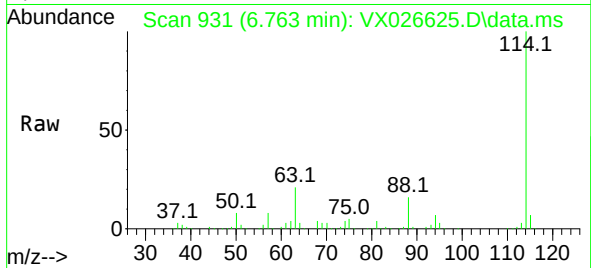




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VX026625.D  
 Acq: 27 Jan 2022 15:31

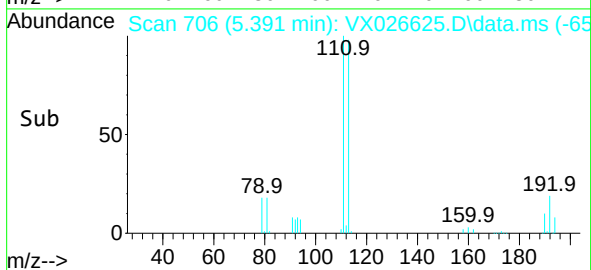
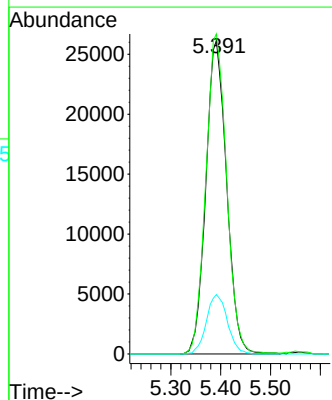
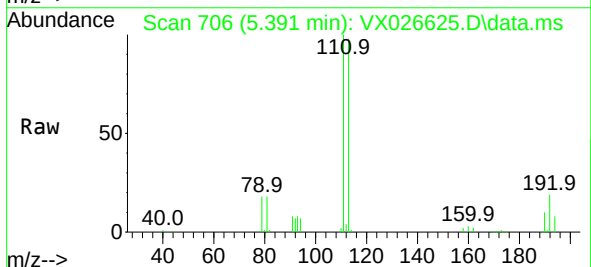
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-8BRA

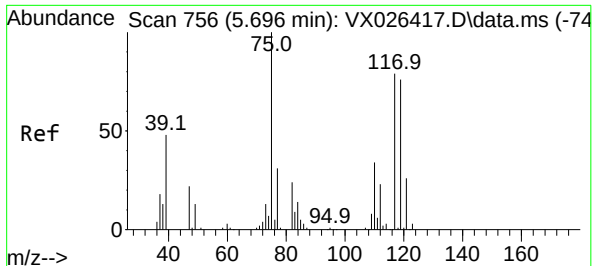
Tgt Ion:114 Resp: 241053  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 42.8  
 88 16.4 0.0 33.0



#35  
 Dibromofluoromethane  
 Concen: 48.472 ug/l  
 RT: 5.391 min Scan# 706  
 Delta R.T. 0.000 min  
 Lab File: VX026625.D  
 Acq: 27 Jan 2022 15:31

Tgt Ion:113 Resp: 75453  
 Ion Ratio Lower Upper  
 113 100  
 111 102.5 81.2 121.8  
 192 19.2 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.626 ug/l

RT: 5.562 min Scan# 714

Delta R.T. -0.134 min

Lab File: VX026625.D

Acq: 27 Jan 2022 15:31

Instrument :

MSVOA\_X

ClientSampleId :

MW-8BRA

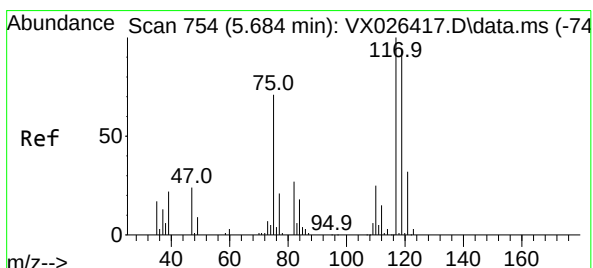
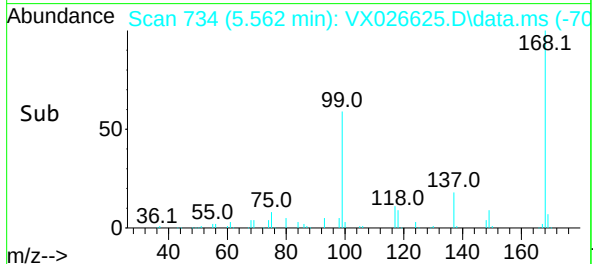
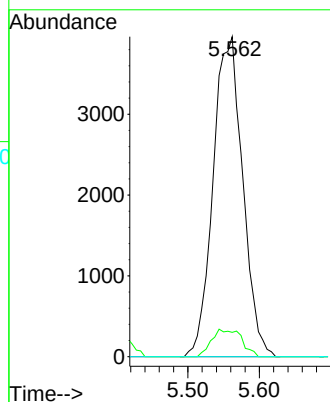
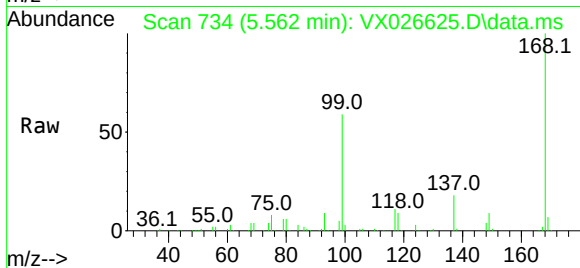
Tgt Ion: 75 Resp: 11368

Ion Ratio Lower Upper

75 100

110 8.6 17.2 51.6#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.848 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX026625.D

Acq: 27 Jan 2022 15:31

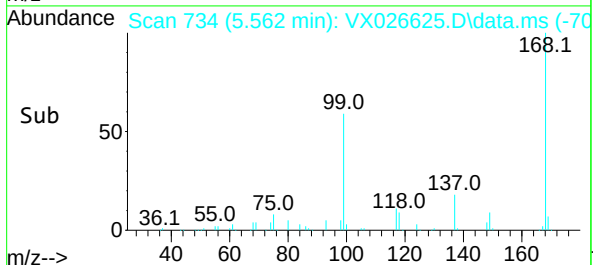
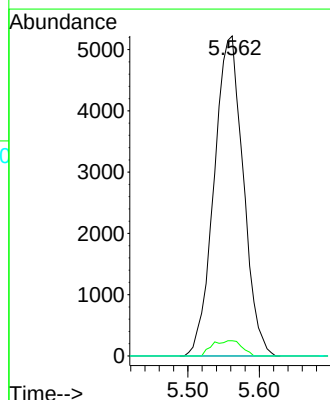
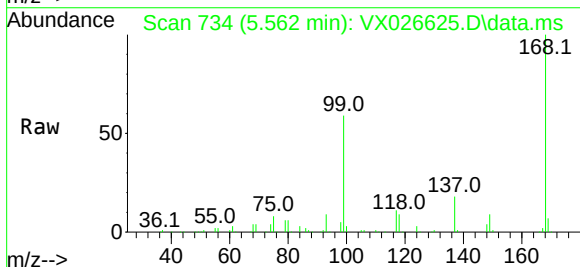
Tgt Ion: 117 Resp: 14782

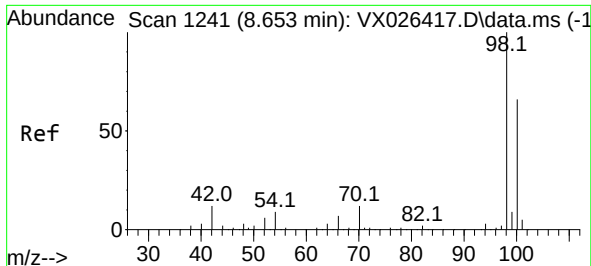
Ion Ratio Lower Upper

117 100

119 4.7 74.7 112.1#

121 0.0 25.4 38.0#

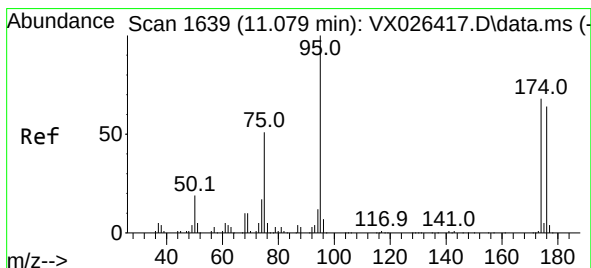
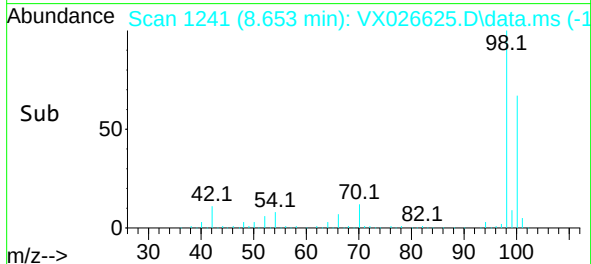
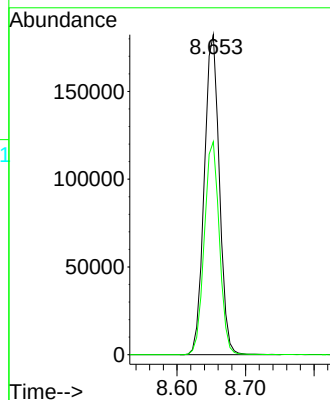
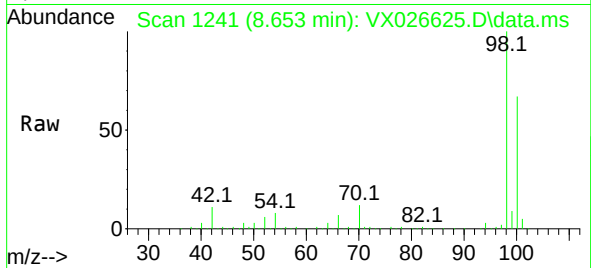




#50  
Toluene-d8  
Concen: 49.884 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31

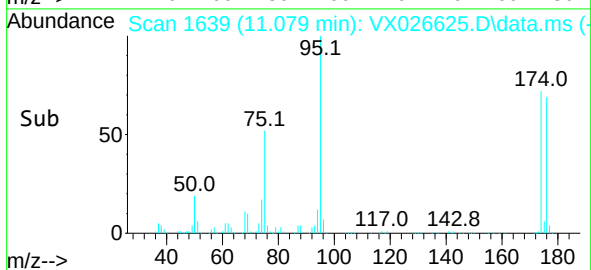
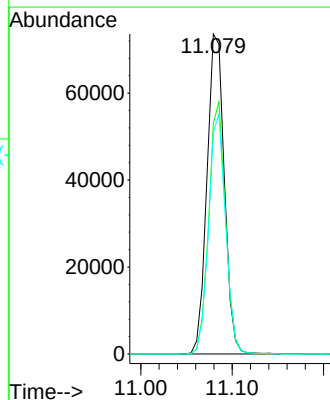
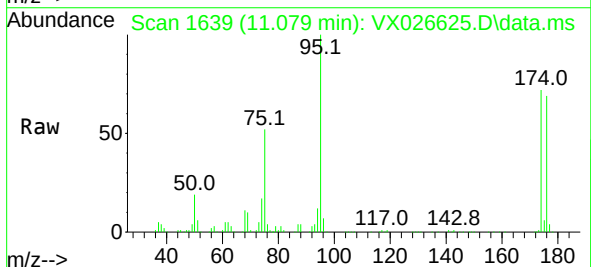
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-8BRA

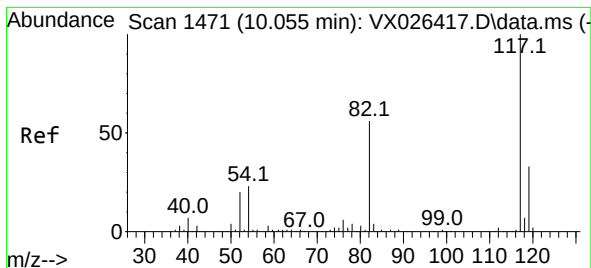
Tgt Ion: 98 Resp: 279824  
Ion Ratio Lower Upper  
98 100  
100 66.6 53.2 79.8



#62  
4-Bromofluorobenzene  
Concen: 48.620 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31

Tgt Ion: 95 Resp: 96885  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 148.6  
176 72.9 0.0 141.4

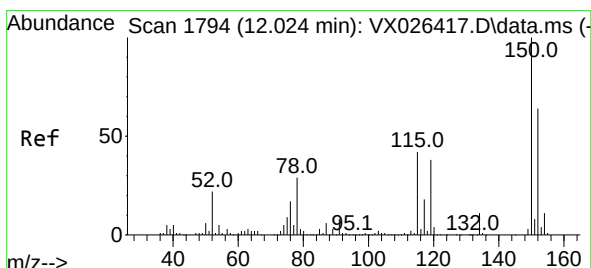
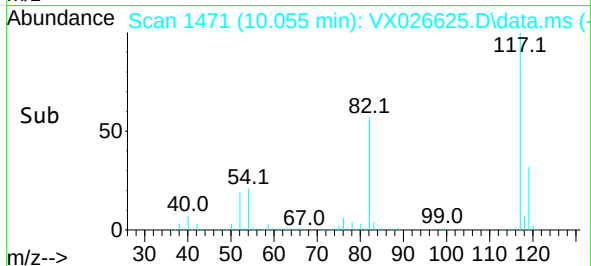
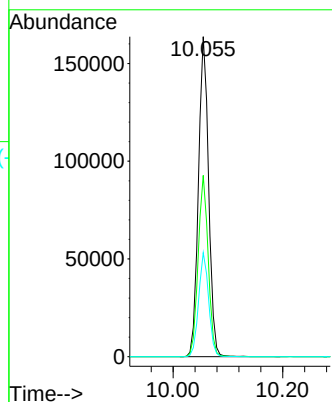
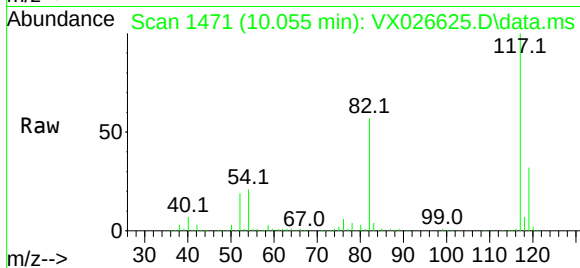




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31

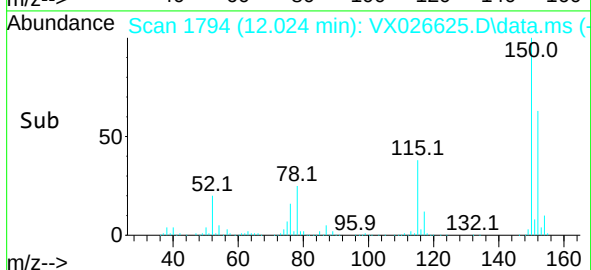
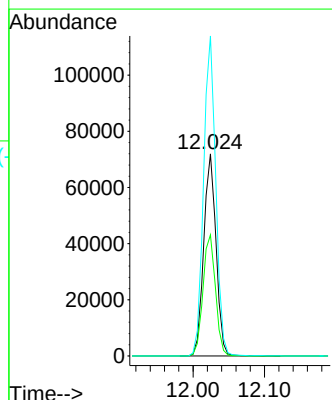
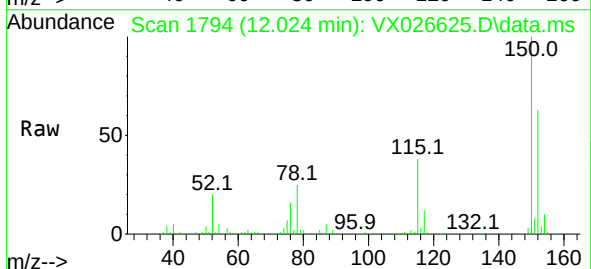
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-8BRA

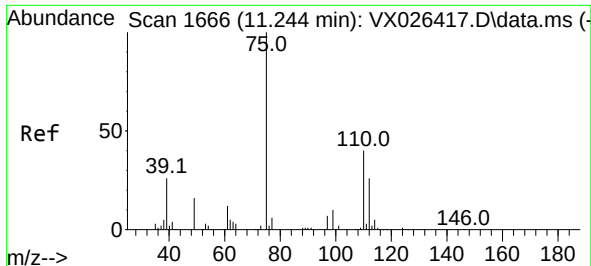
Tgt Ion:117 Resp: 211997  
Ion Ratio Lower Upper  
117 100  
82 56.7 45.2 67.8  
119 32.5 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31

Tgt Ion:152 Resp: 86024  
Ion Ratio Lower Upper  
152 100  
115 60.9 44.2 132.6  
150 156.8 0.0 348.2

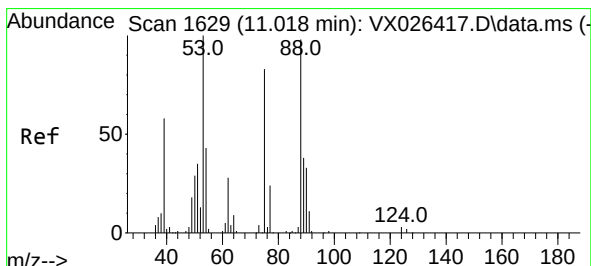
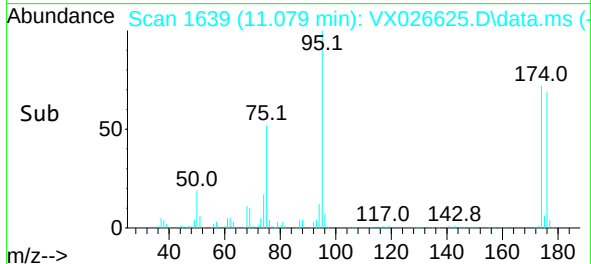
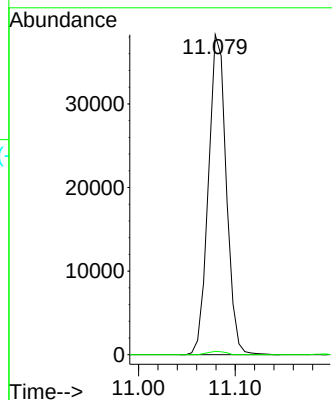
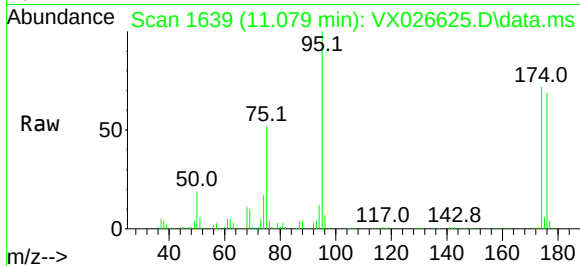




#76  
1,2,3-Trichloropropane  
Concen: 25.997 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-8BRA

Tgt Ion: 75 Resp: 49240  
Ion Ratio Lower Upper  
75 100  
77 1.0 18.3 54.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.822 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX026625.D  
Acq: 27 Jan 2022 15:31

Tgt Ion: 75 Resp: 49240  
Ion Ratio Lower Upper  
75 100  
53 0.0 94.0 141.0#  
89 0.0 37.0 55.4#

