

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082321\  
 Data File : VX023902.D  
 Acq On : 23 Aug 2021 15:55  
 Operator : JC/MD  
 Sample : VX0823WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0823WBL01

Quant Time: Aug 24 07:15:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 11:57:51 2021  
 Response via : Initial Calibration

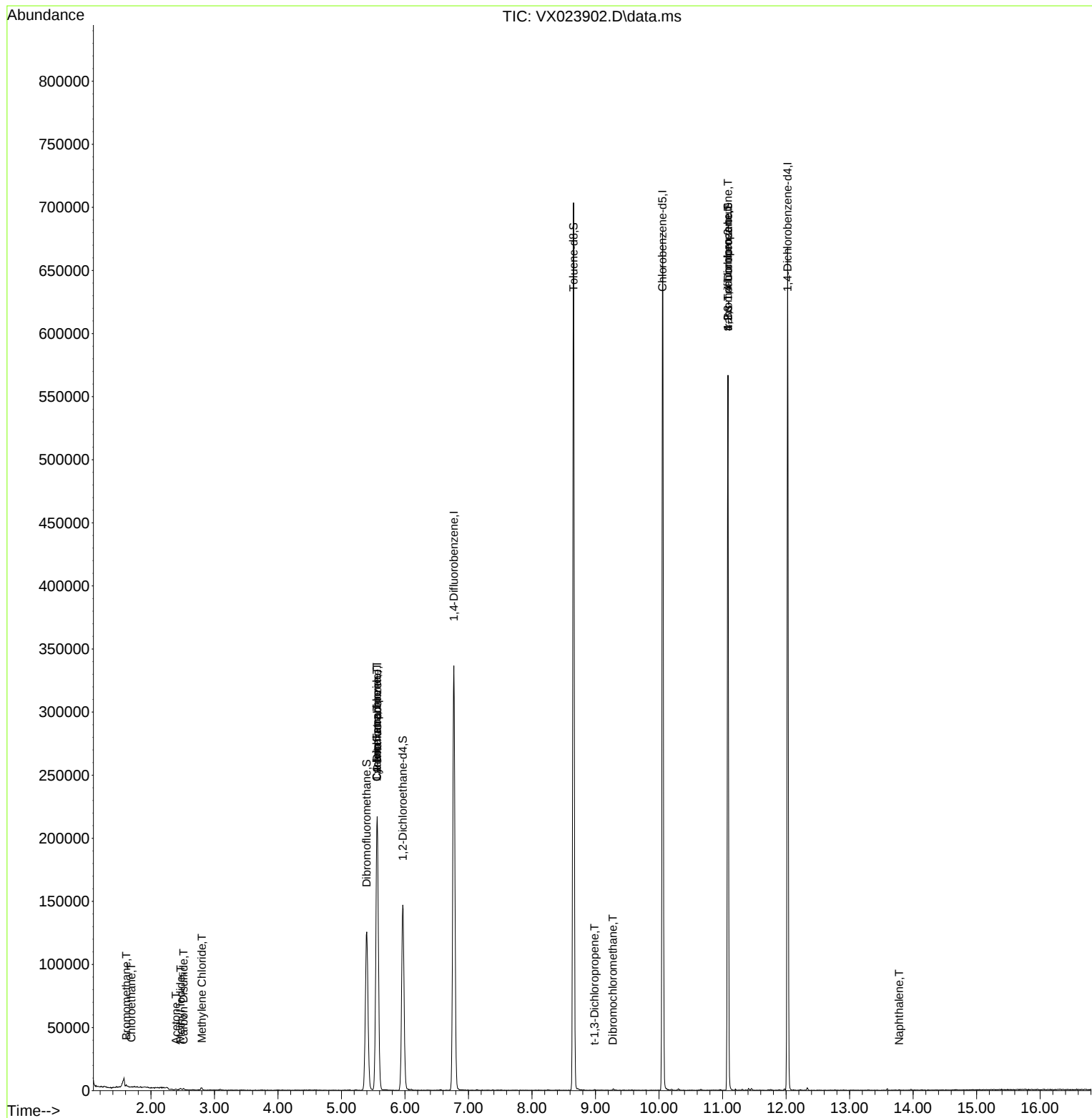
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 201777              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 334829              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 300800              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 131990              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 146977              | 52.190 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 104.380% |        |        |          |
| 35) Dibromofluoromethane      | 5.397          | 113  | 107419              | 48.471 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 96.940%  |        |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 394394              | 46.758 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 93.520%  |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 138925              | 44.741 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 89.480%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        | Qvalue |          |
| 5) Bromomethane               | 1.611          | 94   | 1041                | 0.726  | ug/l   | 97       |
| 6) Chloroethane               | 1.691          | 64   | 25                  | 2.230  | ug/l # | 43       |
| 10) Methyl Iodide             | 2.465          | 142  | 1467                | 0.520  | ug/l # | 86       |
| 16) Acetone                   | 2.392          | 43   | 681                 | 0.541  | ug/l   | 88       |
| 17) Carbon Disulfide          | 2.514          | 76   | 1358                | 0.294  | ug/l   | 100      |
| 20) Methylene Chloride        | 2.800          | 84   | 817                 | 0.340  | ug/l # | 79       |
| 31) Cyclohexane               | 5.556          | 56   | 4634                | 1.281  | ug/l # | 23       |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 15964               | 5.148  | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 20256               | 6.265  | ug/l # | 17       |
| 53) t-1,3-Dichloropropene     | 8.982          | 75   | 218                 | 2.190  | ug/l # | 66       |
| 60) Dibromochloromethane      | 9.275          | 129  | 62                  | 1.710  | ug/l # | 11       |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 74980               | 24.352 | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 74980               | 71.633 | ug/l # | 12       |
| 95) Naphthalene               | 13.780         | 128  | 575                 | 1.340  | ug/l # | 69       |
| -----                         |                |      |                     |        |        |          |

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

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Sample : VX0823WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0823WBL01

Quant Time: Aug 24 07:15:24 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 17 11:57:51 2021  
Response via : Initial Calibration

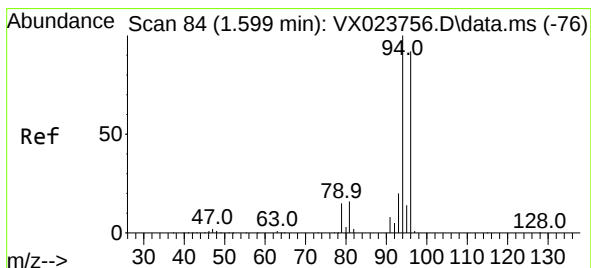
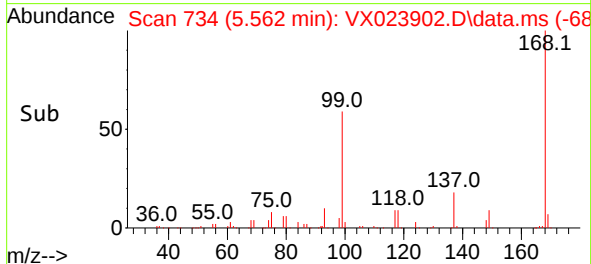
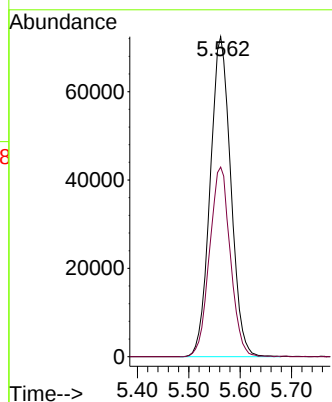
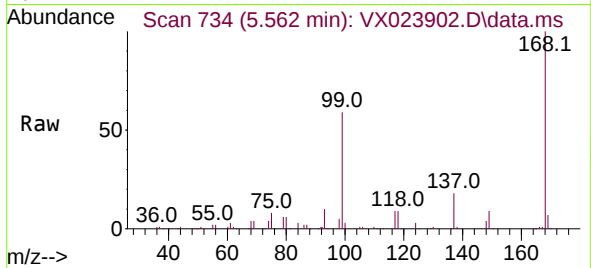




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

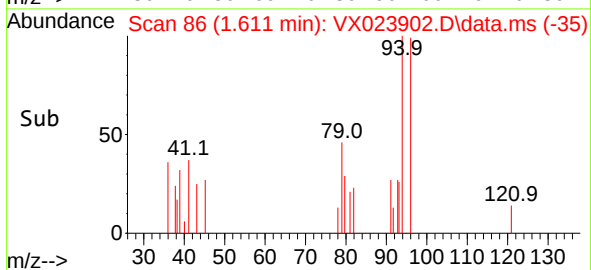
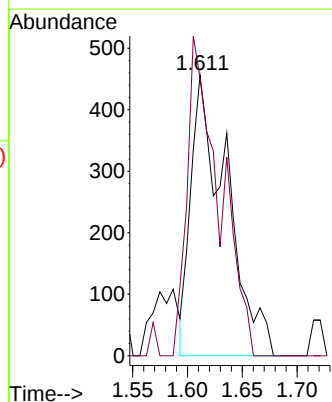
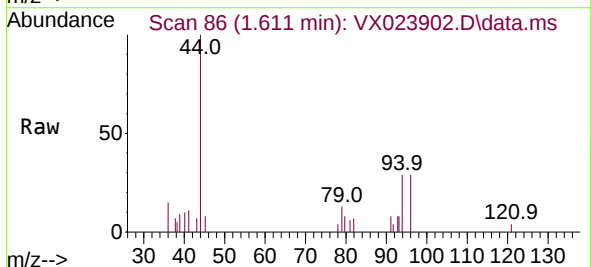
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0823WBL01

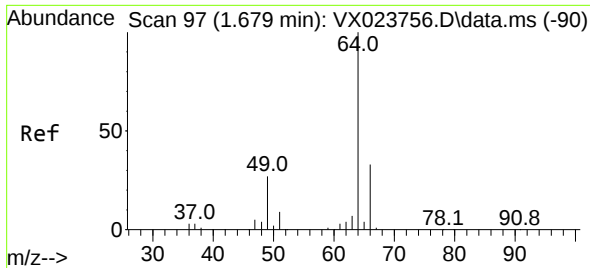
Tgt Ion:168 Resp: 201777  
Ion Ratio Lower Upper  
168 100  
99 59.3 45.8 68.6



#5  
Bromomethane  
Concen: 0.726 ug/l  
RT: 1.611 min Scan# 86  
Delta R.T. 0.012 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

Tgt Ion: 94 Resp: 1041  
Ion Ratio Lower Upper  
94 100  
96 98.9 76.4 114.6

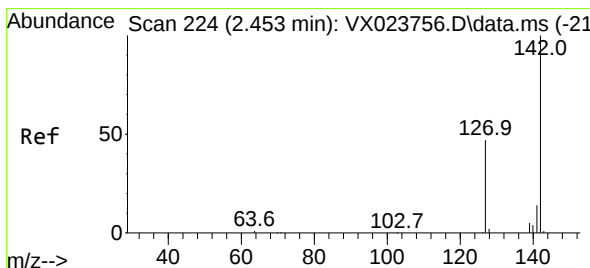
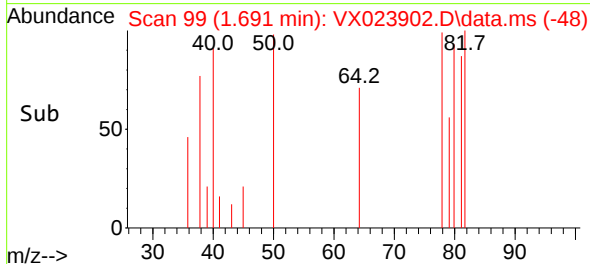
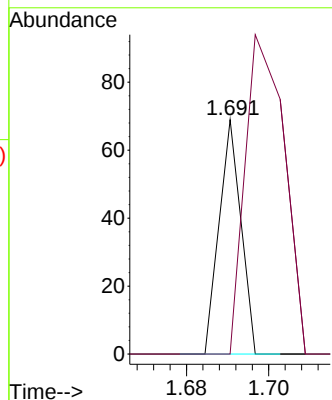
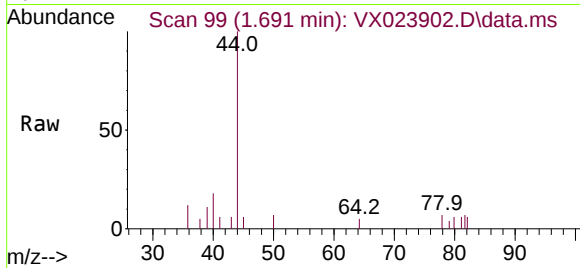




#6  
Chloroethane  
Concen: 2.230 ug/l  
RT: 1.691 min Scan# 99  
Delta R.T. 0.012 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

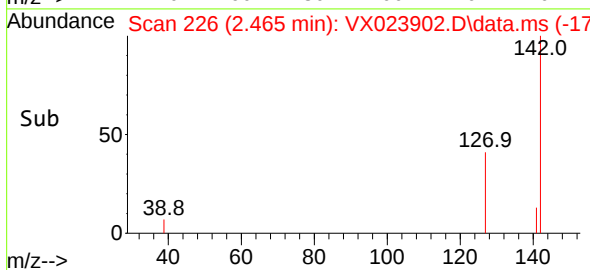
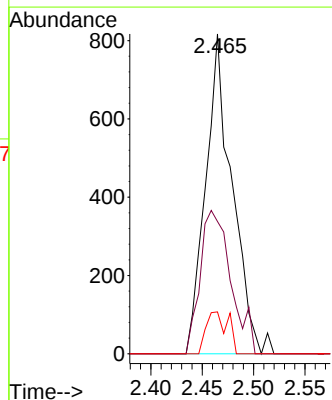
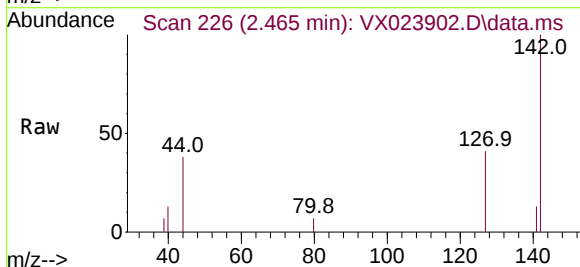
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0823WBL01

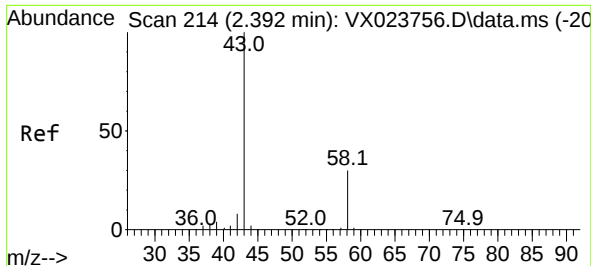
Tgt Ion: 64 Resp: 25  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#



#10  
Methyl Iodide  
Concen: 0.520 ug/l  
RT: 2.465 min Scan# 226  
Delta R.T. 0.012 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

Tgt Ion: 142 Resp: 1467  
Ion Ratio Lower Upper  
142 100  
127 51.9 33.3 49.9#  
141 10.7 11.4 17.0#

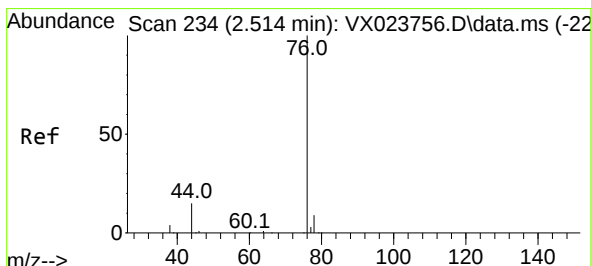
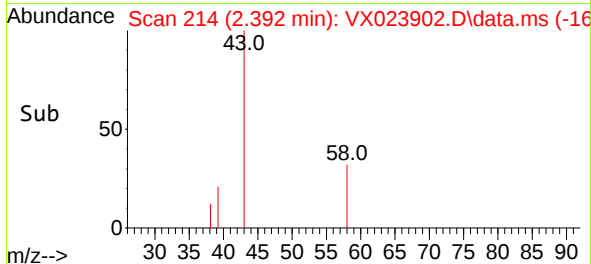
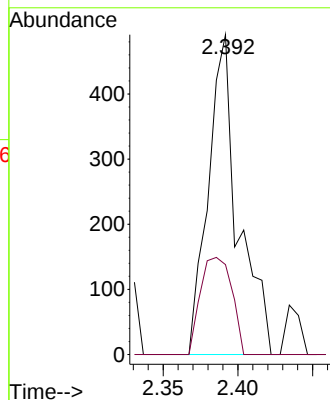
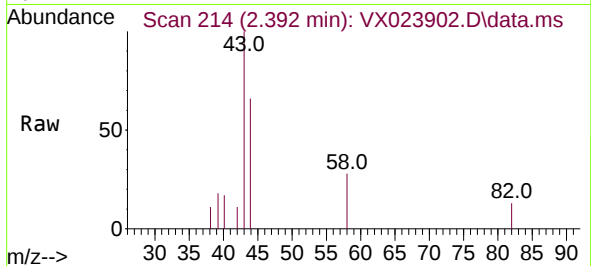




#16  
Acetone  
Concen: 0.541 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

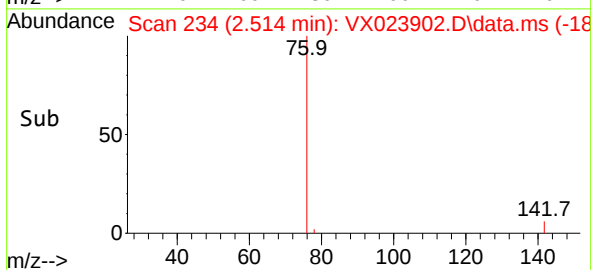
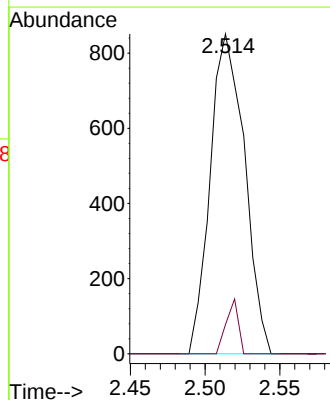
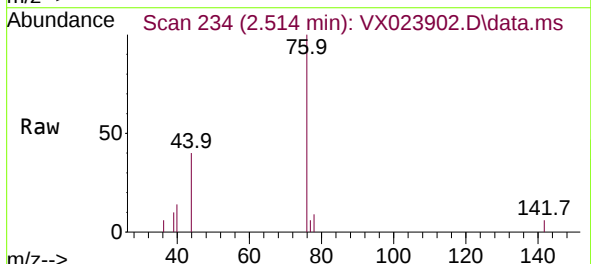
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0823WBL01

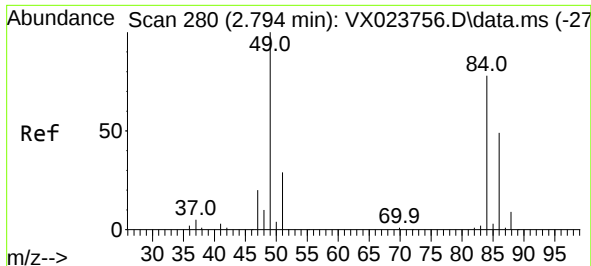
Tgt Ion: 43 Resp: 681  
Ion Ratio Lower Upper  
43 100  
58 28.1 27.8 41.8



#17  
Carbon Disulfide  
Concen: 0.294 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

Tgt Ion: 76 Resp: 1358  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.2 10.8

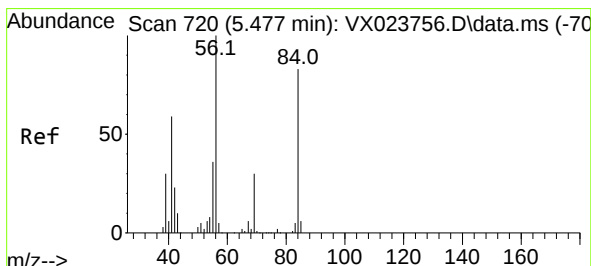
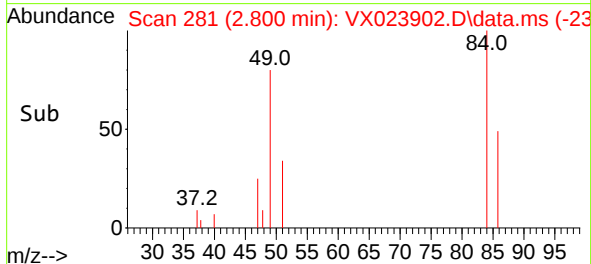
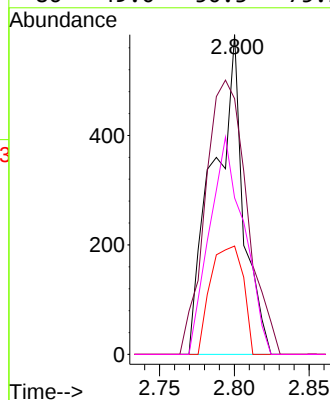
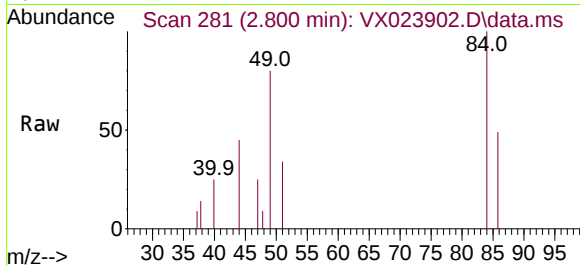




#20  
Methylene Chloride  
Concen: 0.340 ug/l  
RT: 2.800 min Scan# 281  
Delta R.T. 0.006 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

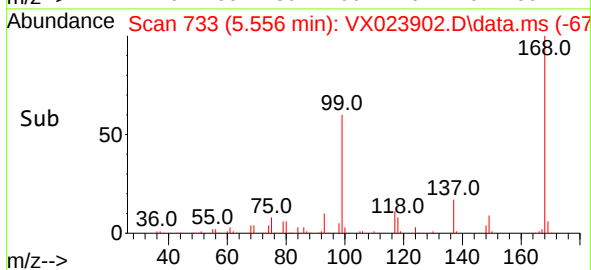
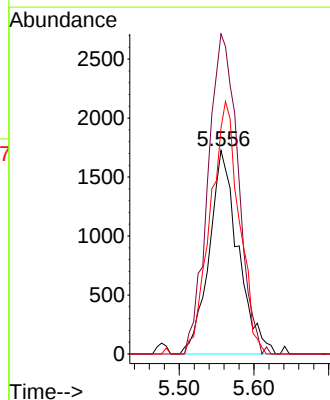
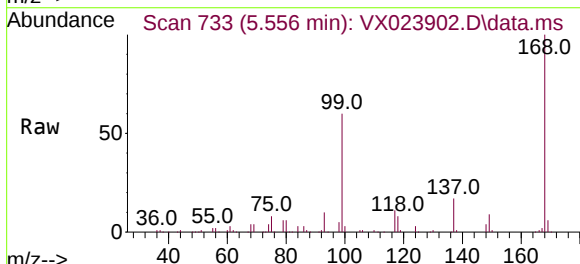
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0823WBL01

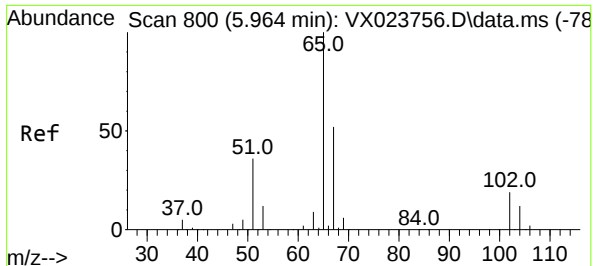
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 817    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 80.0  | 88.6  | 132.8# |
| 51       | 33.9  | 27.0  | 40.6   |
| 86       | 49.0  | 50.3  | 75.5#  |



#31  
Cyclohexane  
Concen: 1.281 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.079 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 4634   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 157.3 | 25.3  | 37.9#  |
| 84       | 111.1 | 71.4  | 107.0# |





#33

1,2-Dichloroethane-d4

Concen: 52.190 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

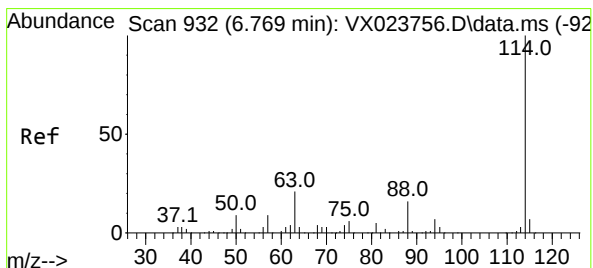
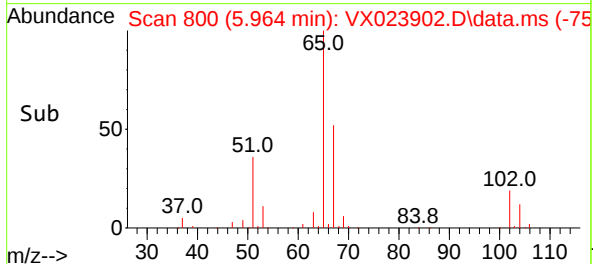
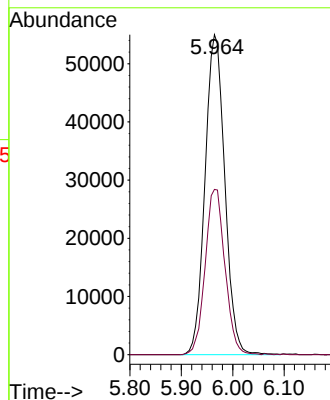
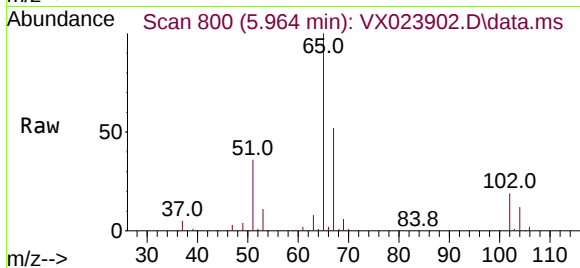
Lab File: VX023902.D

Acq: 23 Aug 2021 15:55

Tgt Ion: 65 Resp: 146977

Ion Ratio Lower Upper

|    |      |     |       |
|----|------|-----|-------|
| 65 | 100  |     |       |
| 67 | 51.6 | 0.0 | 105.4 |



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

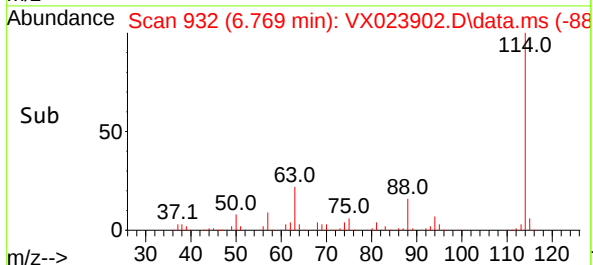
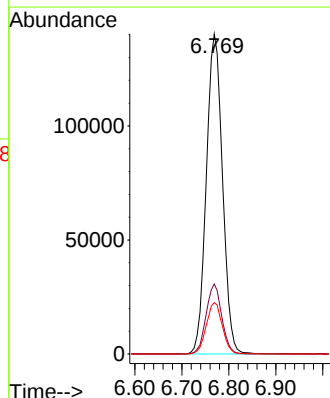
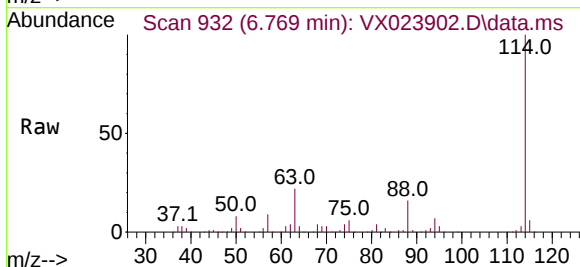
Lab File: VX023902.D

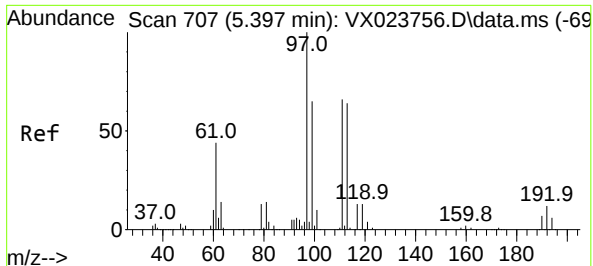
Acq: 23 Aug 2021 15:55

Tgt Ion: 114 Resp: 334829

Ion Ratio Lower Upper

|     |      |     |      |
|-----|------|-----|------|
| 114 | 100  |     |      |
| 63  | 21.9 | 0.0 | 40.8 |
| 88  | 16.0 | 0.0 | 32.8 |

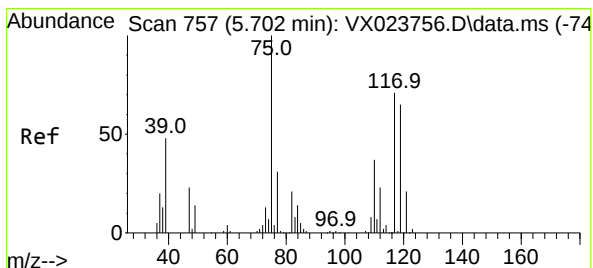
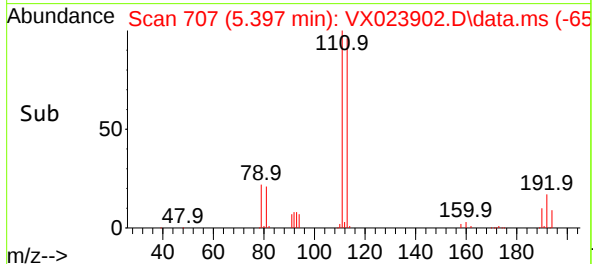
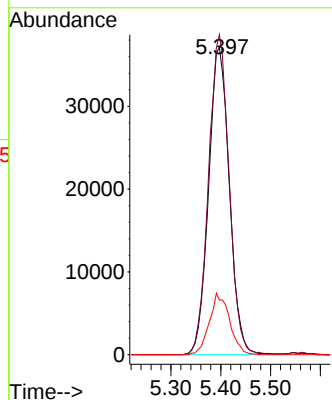
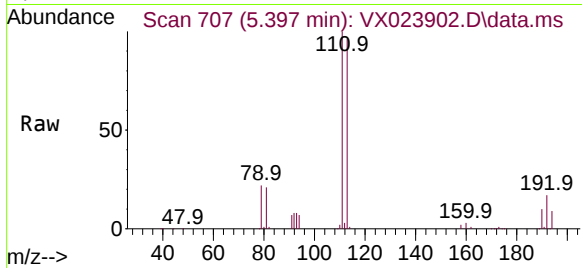




#35  
Dibromofluoromethane  
Concen: 48.471 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

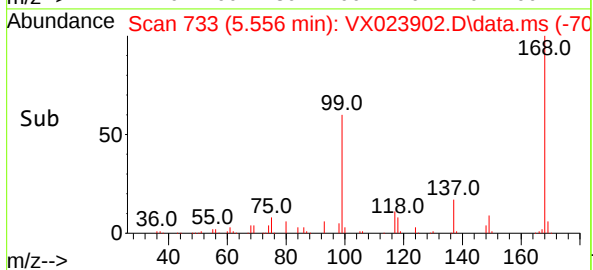
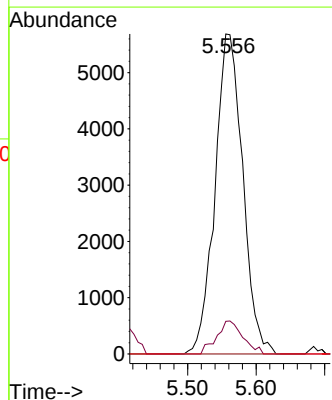
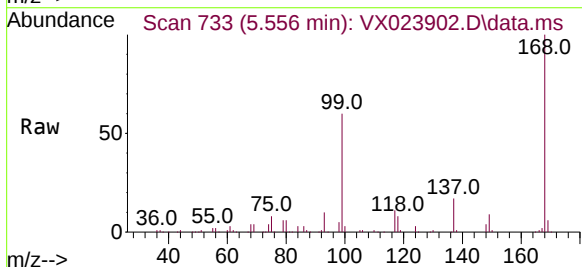
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0823WBL01

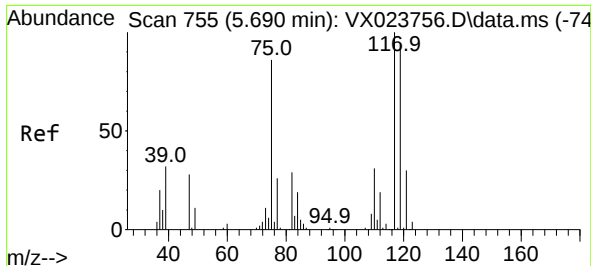
Tgt Ion:113 Resp: 107419  
Ion Ratio Lower Upper  
113 100  
111 103.4 81.9 122.9  
192 19.4 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 5.148 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.146 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

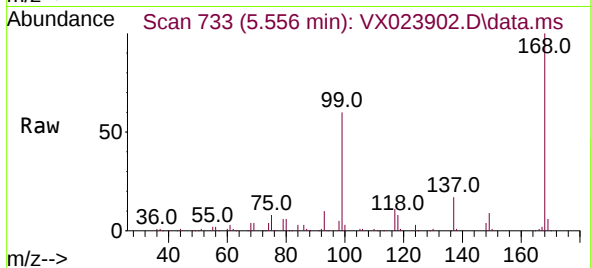
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Ion Ratio Lower Upper  
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110 9.7 18.1 54.4#  
77 0.0 25.3 37.9#



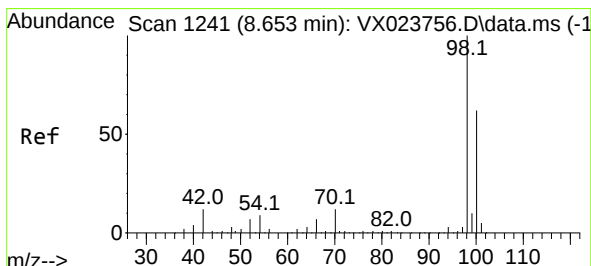
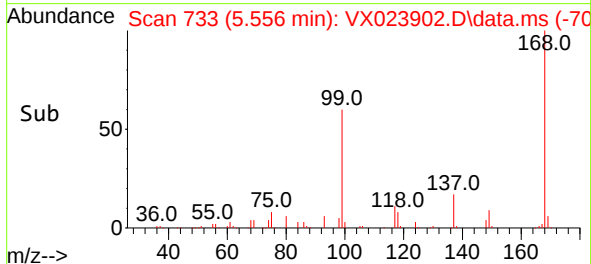
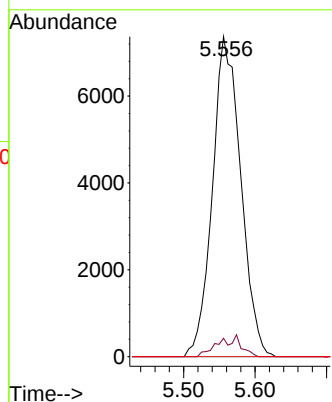


#38  
Carbon Tetrachloride  
Concen: 6.265 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.134 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0823WBL01

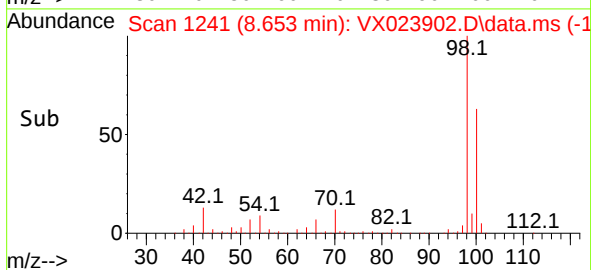
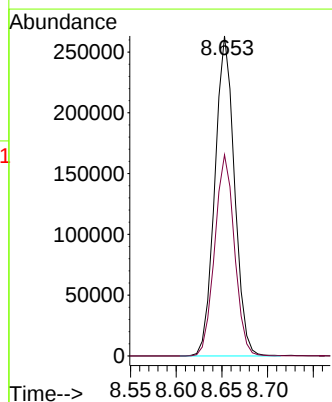
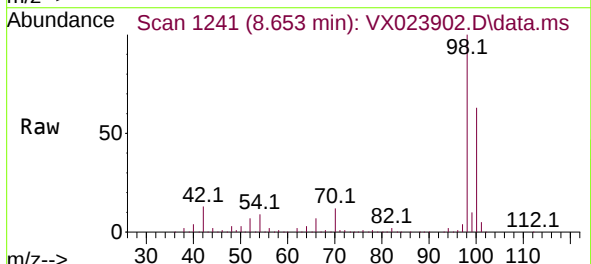


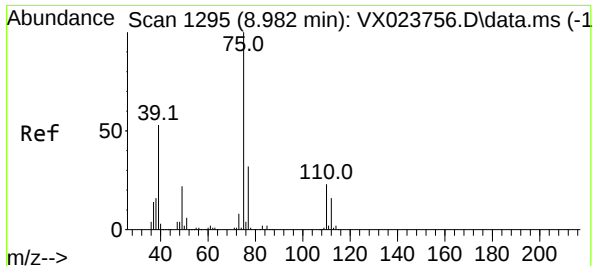
Tgt Ion:117 Resp: 20256  
Ion Ratio Lower Upper  
117 100  
119 5.7 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 46.758 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

Tgt Ion: 98 Resp: 394394  
Ion Ratio Lower Upper  
98 100  
100 63.2 51.9 77.9

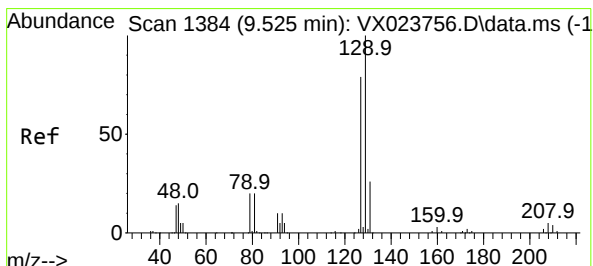
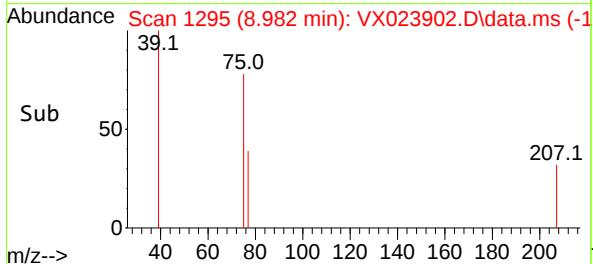
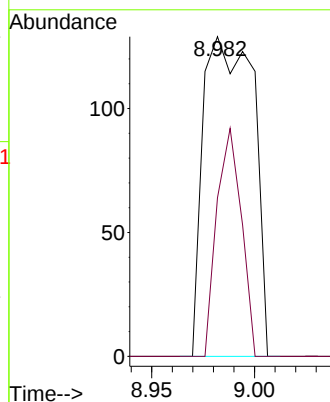
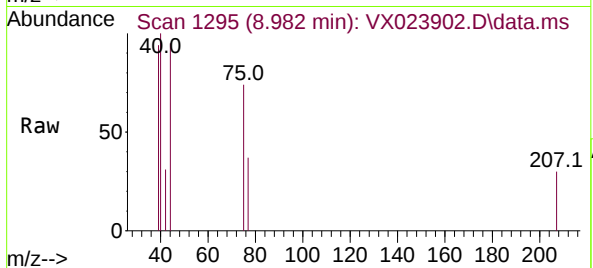




#53  
t-1,3-Dichloropropene  
Concen: 2.190 ug/l  
RT: 8.982 min Scan# 1295  
Delta R.T. -0.000 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

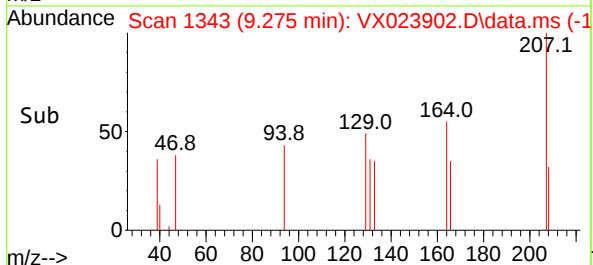
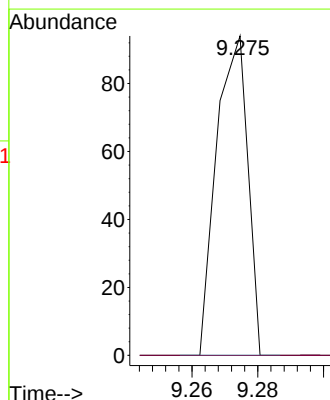
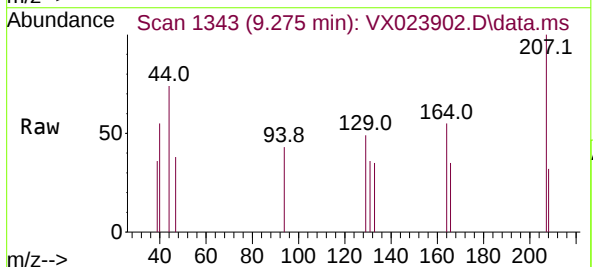
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0823WBL01

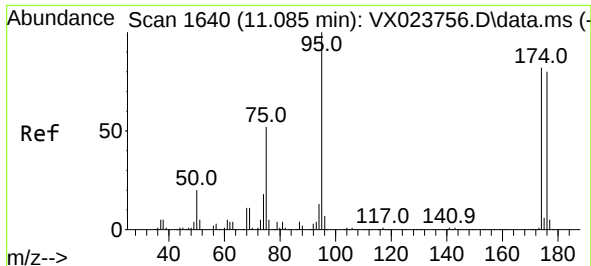
Tgt Ion: 75 Resp: 218  
Ion Ratio Lower Upper  
75 100  
77 49.6 24.9 37.3#



#60  
Dibromochloromethane  
Concen: 1.710 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.250 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

Tgt Ion: 129 Resp: 62  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#

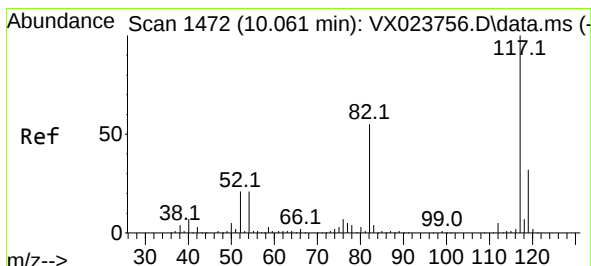
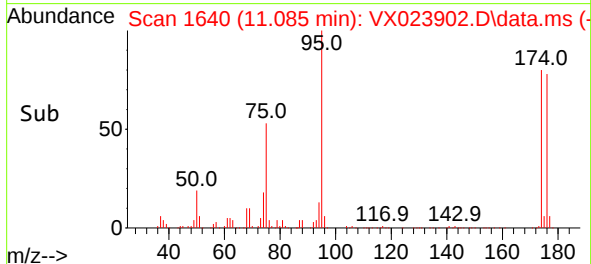
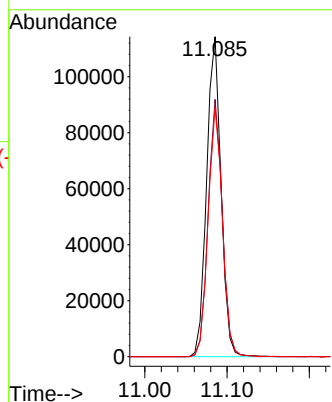
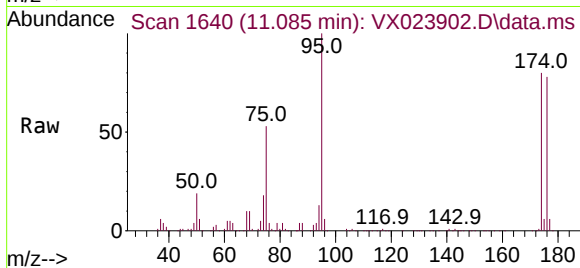




#62  
4-Bromofluorobenzene  
Concen: 44.741 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

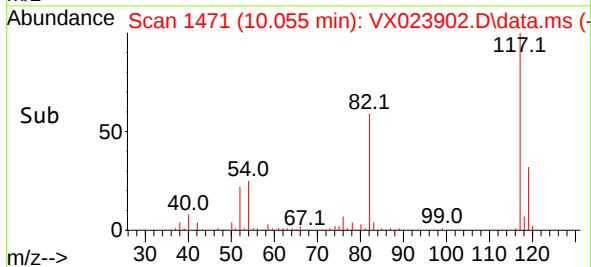
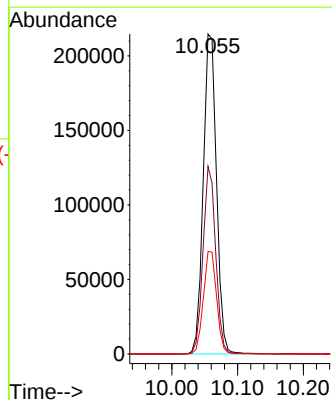
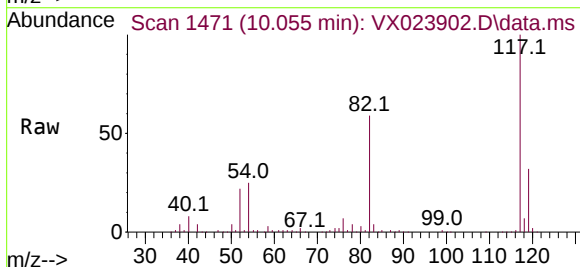
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0823WBL01

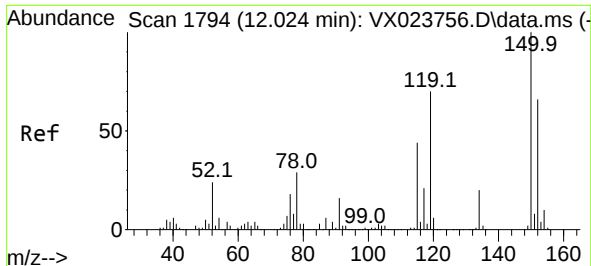
Tgt Ion: 95 Resp: 138925  
Ion Ratio Lower Upper  
95 100  
174 79.5 0.0 154.6  
176 77.5 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

Tgt Ion: 117 Resp: 300800  
Ion Ratio Lower Upper  
117 100  
82 58.6 47.4 71.2  
119 32.0 26.6 39.8

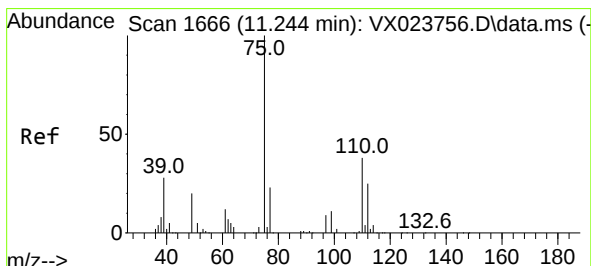
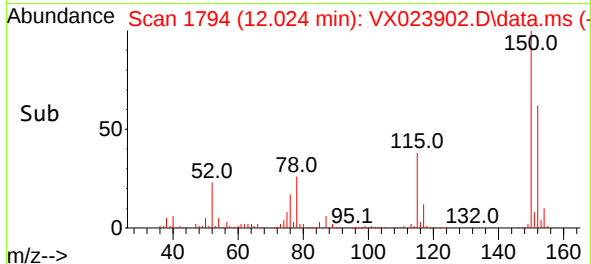
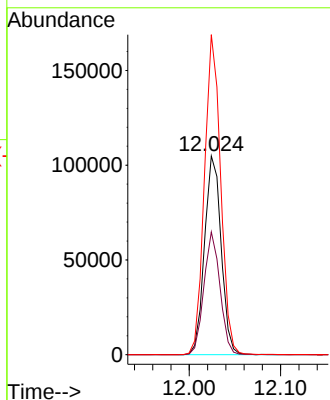
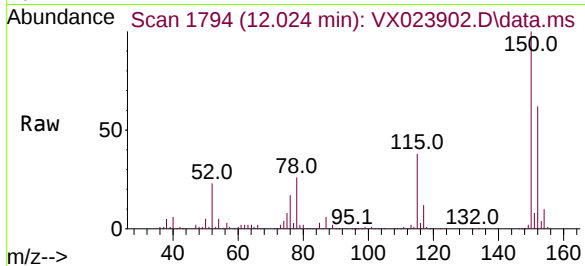




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX023902.D  
 Acq: 23 Aug 2021 15:55

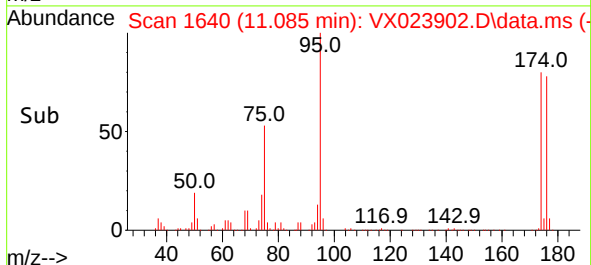
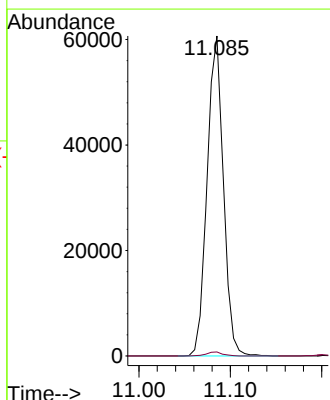
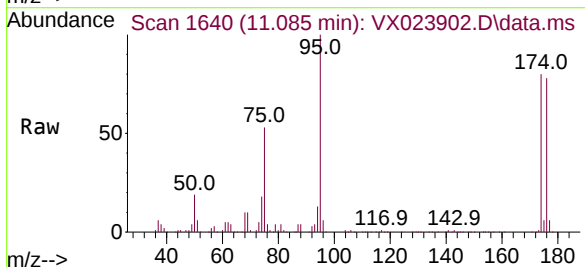
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0823WBL01

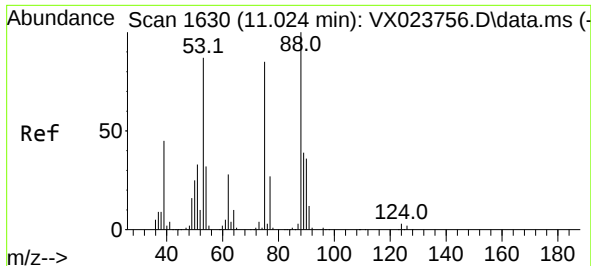
Tgt Ion:152 Resp: 131990  
 Ion Ratio Lower Upper  
 152 100  
 115 59.7 41.1 123.3  
 150 156.9 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 24.352 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX023902.D  
 Acq: 23 Aug 2021 15:55

Tgt Ion: 75 Resp: 74980  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 19.1 57.5#

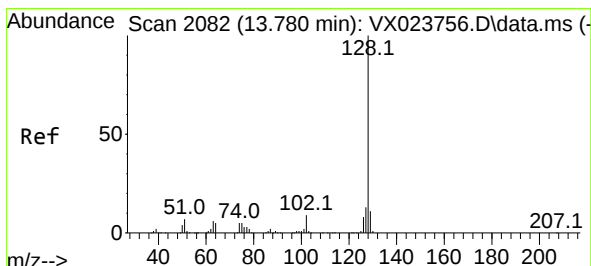
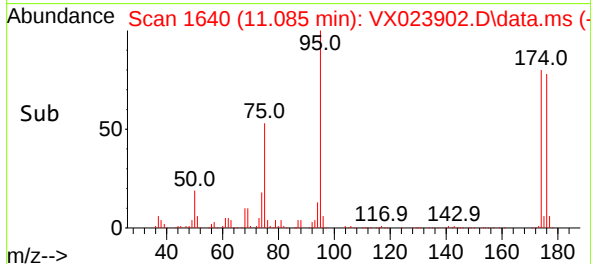
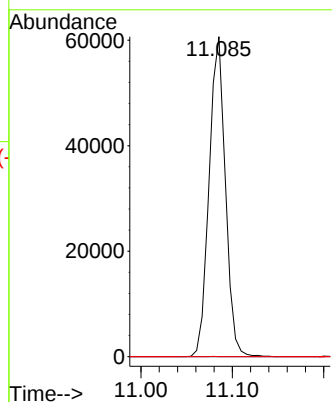
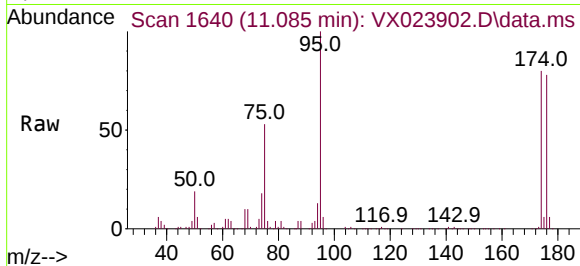




#81  
trans-1,4-Dichloro-2-butene  
Concen: 71.633 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0823WBL01

Tgt Ion: 75 Resp: 74980  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 1.340 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX023902.D  
Acq: 23 Aug 2021 15:55

Tgt Ion: 128 Resp: 575  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

