

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091421\  
 Data File : VX024224.D  
 Acq On : 14 Sep 2021 22:34  
 Operator : JC/MD  
 Sample : VX0914WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0914WBL02

Quant Time: Sep 15 01:59:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 14 12:18:04 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.562  | 168  | 128328   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.769  | 114  | 219986   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 202585   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 82941    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 96570    | 52.773   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 105.540% |
| 35) Dibromofluoromethane    | 5.397  | 113   | 74019    | 50.171   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 100.340% |
| 50) Toluene-d8              | 8.653  | 98    | 265245   | 49.352   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 98.700%  |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 94773    | 45.312   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 90.620%  |

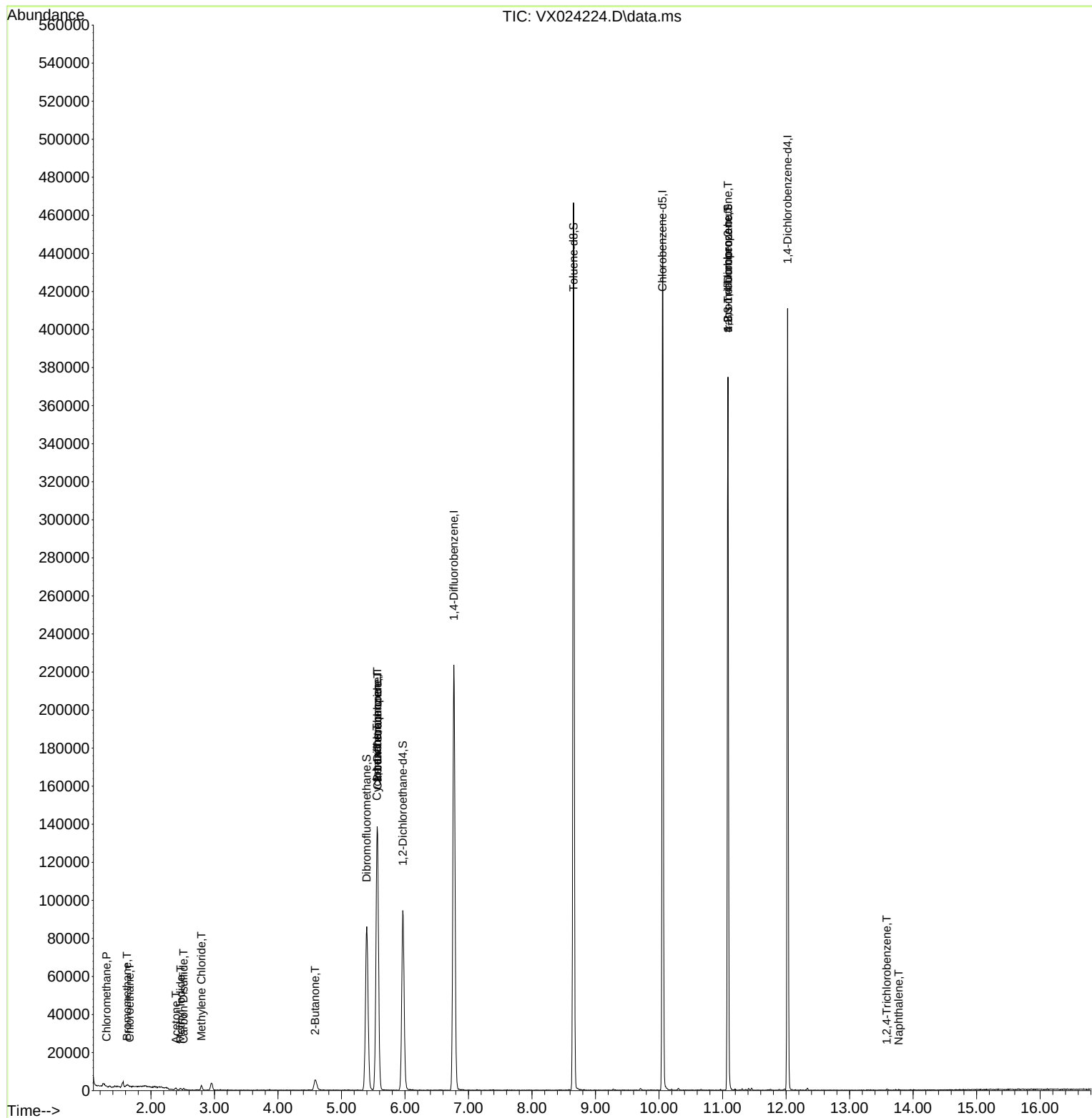
| Target Compounds              |        |     |       |           | Qvalue |    |
|-------------------------------|--------|-----|-------|-----------|--------|----|
| 3) Chloromethane              | 1.300  | 50  | 279   | 0.217     | ug/l # | 82 |
| 5) Bromomethane               | 1.624  | 94  | 700   | 0.917     | ug/l # | 67 |
| 6) Chloroethane               | 1.666  | 64  | 133   | 2.125     | ug/l # | 43 |
| 10) Methyl Iodide             | 2.465  | 142 | 957   | 0.548     | ug/l   | 89 |
| 11) Tert butyl alcohol        | 2.959  | 59  | 2456  | Below Cal | #      | 73 |
| 16) Acetone                   | 2.392  | 43  | 1072  | 1.374     | ug/l   | 91 |
| 17) Carbon Disulfide          | 2.514  | 76  | 831   | 0.280     | ug/l # | 75 |
| 20) Methylene Chloride        | 2.794  | 84  | 1026  | 0.685     | ug/l # | 76 |
| 25) 2-Butanone                | 4.586  | 43  | 248   | 0.216     | ug/l # | 45 |
| 31) Cyclohexane               | 5.556  | 56  | 3137  | 1.466     | ug/l # | 40 |
| 36) 1,1-Dichloropropene       | 5.562  | 75  | 10035 | 4.962     | ug/l # | 51 |
| 38) Carbon Tetrachloride      | 5.568  | 117 | 13099 | 5.754     | ug/l # | 18 |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75  | 50918 | 26.698    | ug/l # | 38 |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75  | 50918 | 78.520    | ug/l # | 12 |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180 | 324   | 0.202     | ug/l   | 71 |
| 95) Naphthalene               | 13.774 | 128 | 325   | 1.340     | ug/l # | 69 |

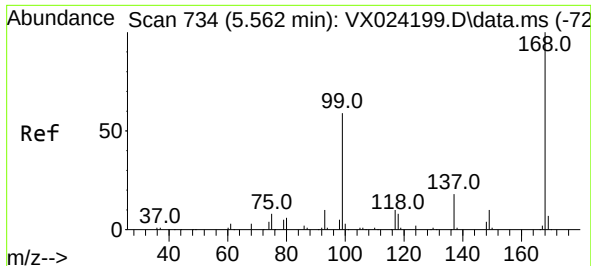
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091421\  
Data File : VX024224.D  
Acq On : 14 Sep 2021 22:34  
Operator : JC/MD  
Sample : VX0914WBL02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0914WBL02

Quant Time: Sep 15 01:59:48 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 14 12:18:04 2021  
Response via : Initial Calibration

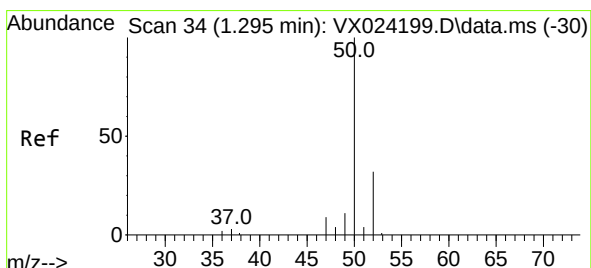
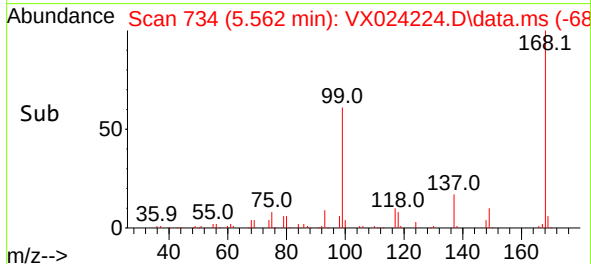
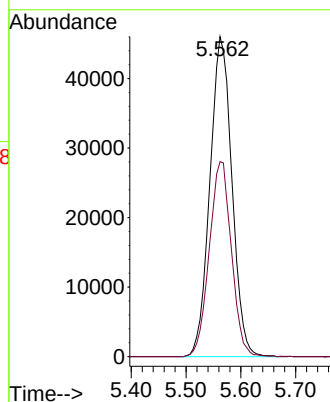
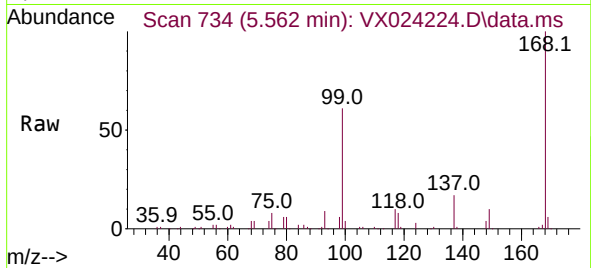




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

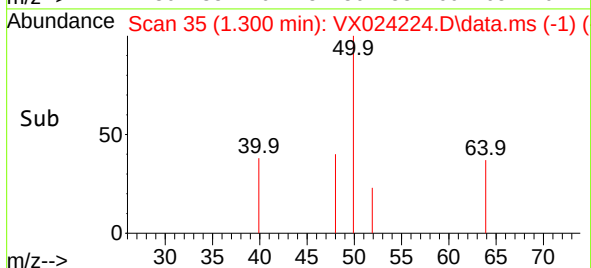
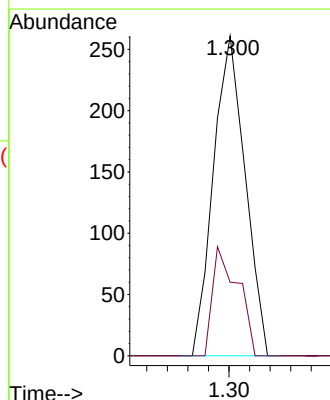
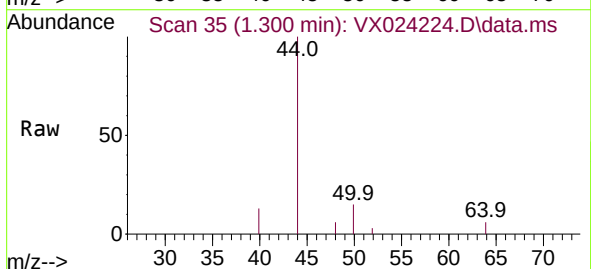
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0914WBL02

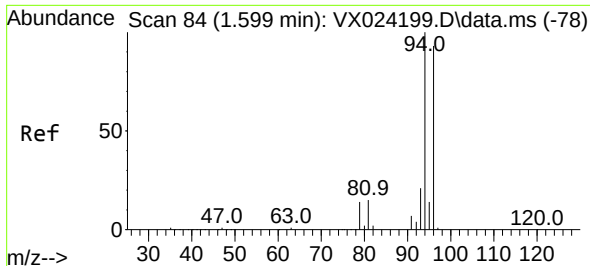
Tgt Ion:168 Resp: 128328  
Ion Ratio Lower Upper  
168 100  
99 61.0 45.8 68.6



#3  
Chloromethane  
Concen: 0.217 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. 0.005 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

Tgt Ion: 50 Resp: 279  
Ion Ratio Lower Upper  
50 100  
52 23.0 26.4 39.6#

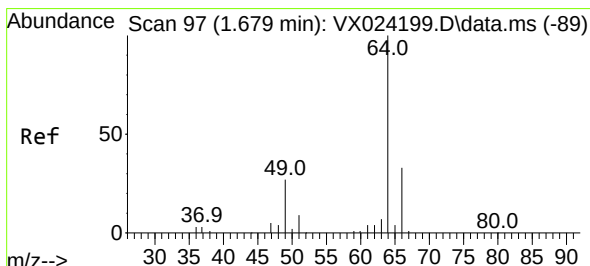
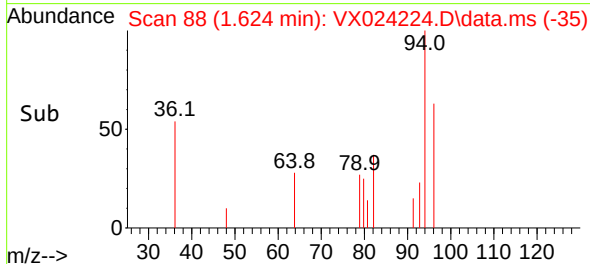
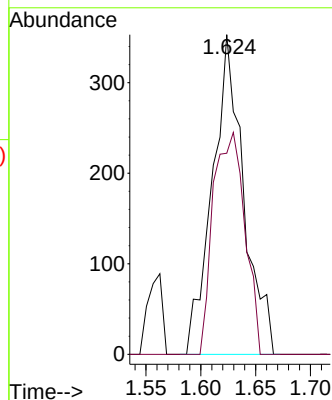
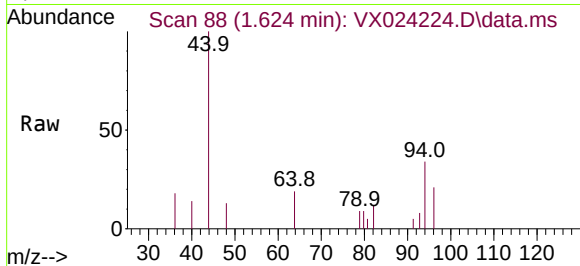




#5  
Bromomethane  
Concen: 0.917 ug/l  
RT: 1.624 min Scan# 88  
Delta R.T. 0.025 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

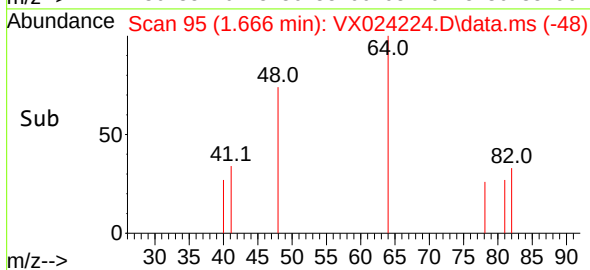
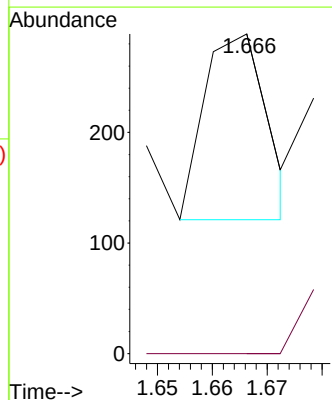
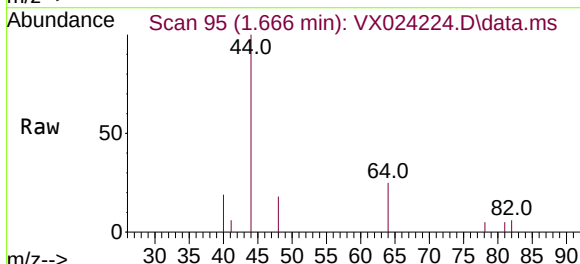
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0914WBL02

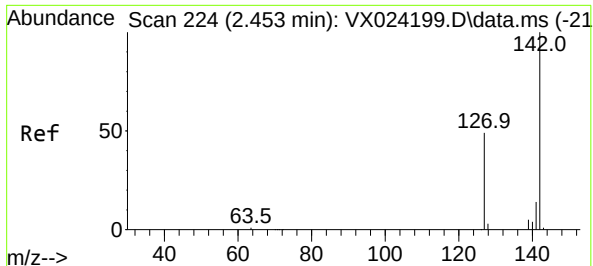
Tgt Ion: 94 Resp: 700  
Ion Ratio Lower Upper  
94 100  
96 62.9 76.4 114.6#



#6  
Chloroethane  
Concen: 2.125 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. -0.013 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

Tgt Ion: 64 Resp: 133  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#





#10

Methyl Iodide

Concen: 0.548 ug/l

RT: 2.465 min Scan# 226

Delta R.T. 0.012 min

Lab File: VX024224.D

Acq: 14 Sep 2021 22:34

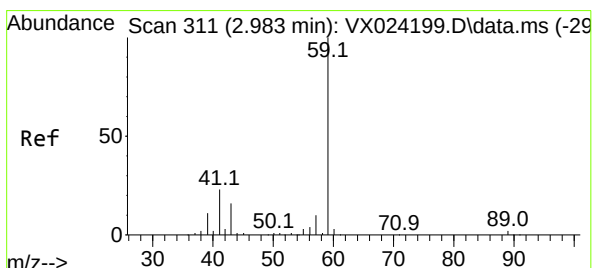
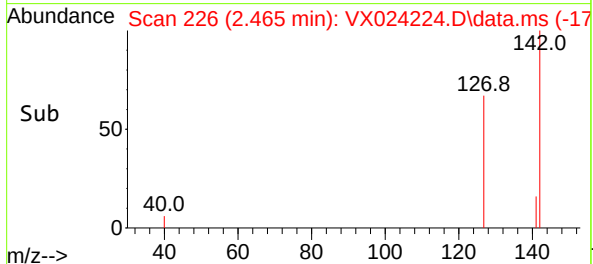
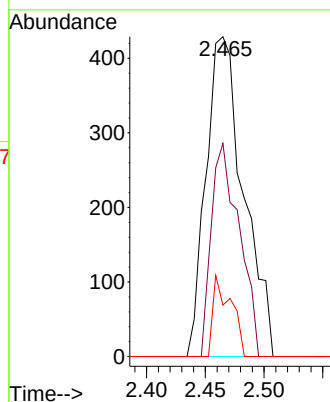
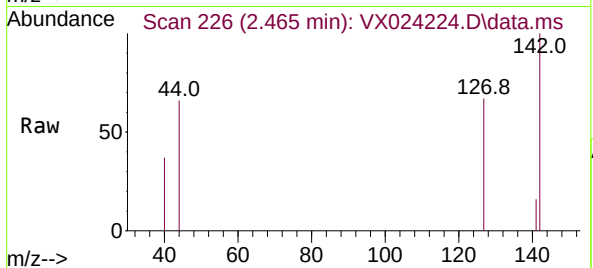
Instrument :

MSVOA\_X

ClientSampleId :

VX0914WBL02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 957   |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 49.4  | 33.3  | 49.9  |
| 141      | 12.1  | 11.4  | 17.0  |



#11

Tert butyl alcohol

Concen: Below Cal

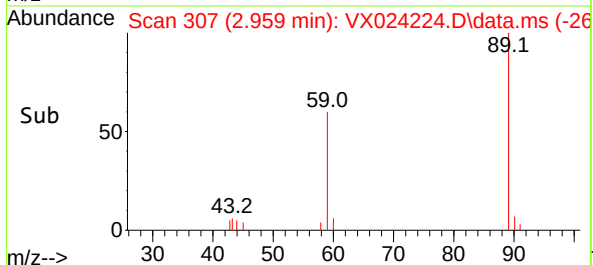
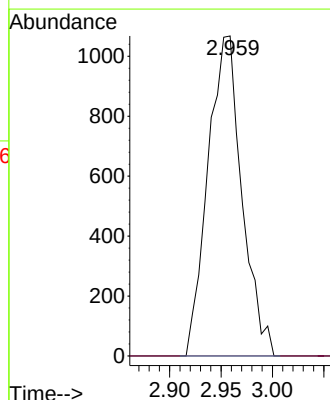
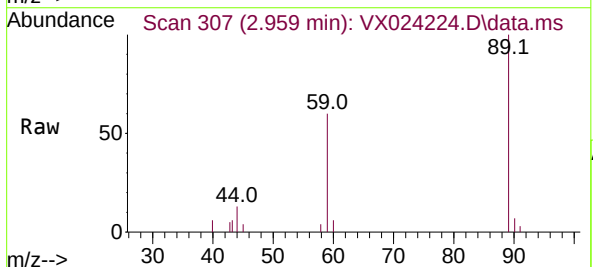
RT: 2.959 min Scan# 307

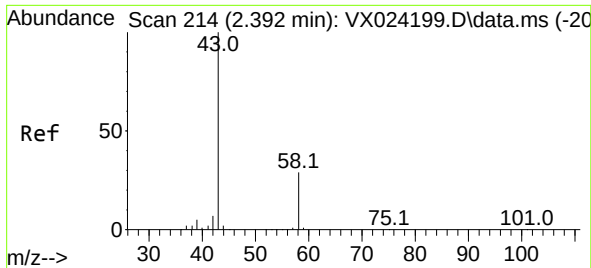
Delta R.T. -0.024 min

Lab File: VX024224.D

Acq: 14 Sep 2021 22:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 2456  |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 57       | 0.0   | 7.8   | 11.8# |

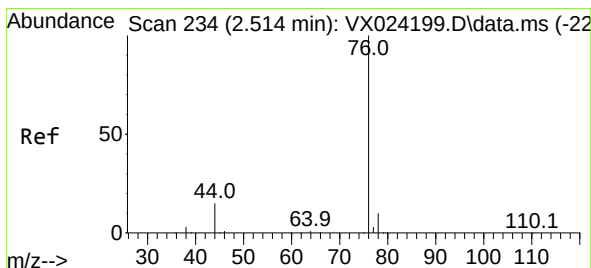
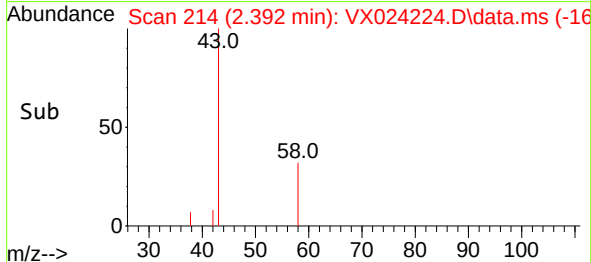
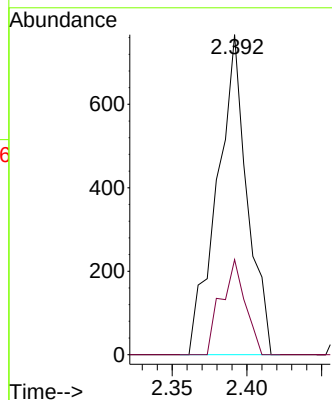
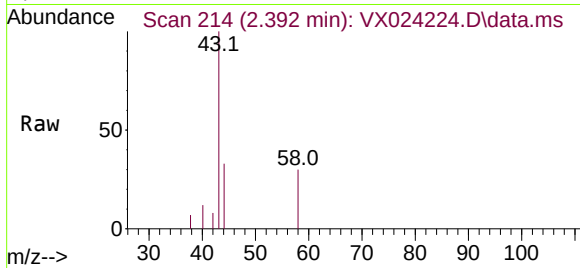




#16  
Acetone  
Concen: 1.374 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

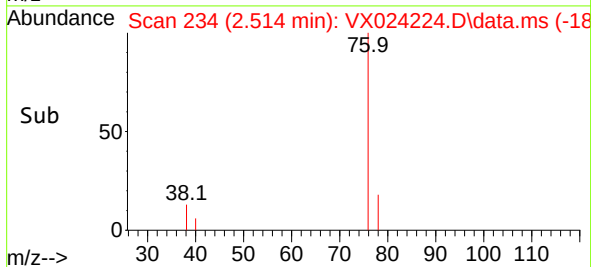
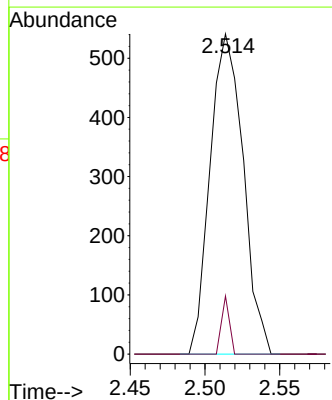
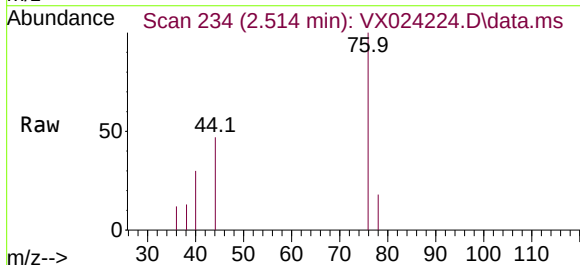
Instrument :  
MSVOA\_X  
ClientSampled :  
VX0914WBL02

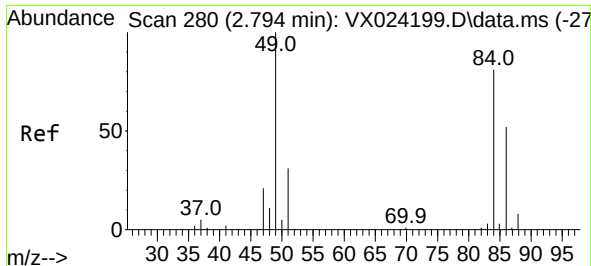
Tgt Ion: 43 Resp: 1072  
Ion Ratio Lower Upper  
43 100  
58 29.7 27.8 41.8



#17  
Carbon Disulfide  
Concen: 0.280 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

Tgt Ion: 76 Resp: 831  
Ion Ratio Lower Upper  
76 100  
78 18.1 7.2 10.8#





#20

Methylene Chloride

Concen: 0.685 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024224.D

Acq: 14 Sep 2021 22:34

Instrument :

MSVOA\_X

ClientSampleId :

VX0914WBL02

Tgt Ion: 84 Resp: 1026

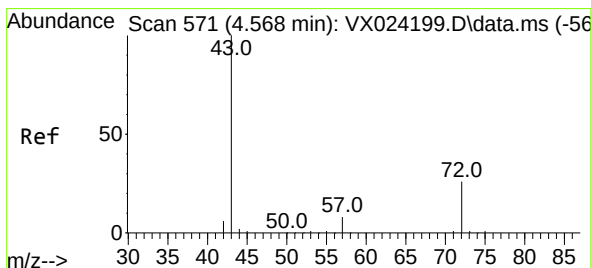
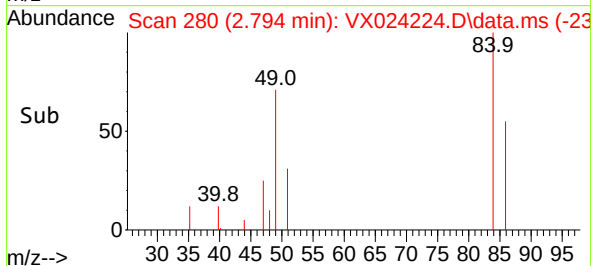
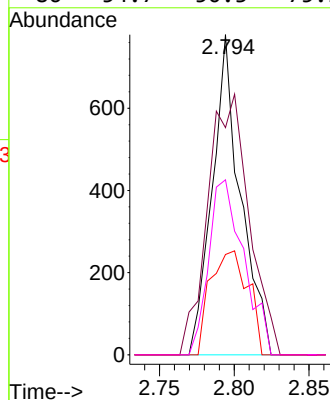
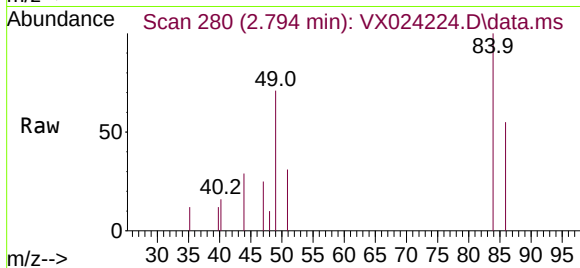
Ion Ratio Lower Upper

84 100

49 71.0 88.6 132.8#

51 31.3 27.0 40.6

86 54.7 50.3 75.5



#25

2-Butanone

Concen: 0.216 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.018 min

Lab File: VX024224.D

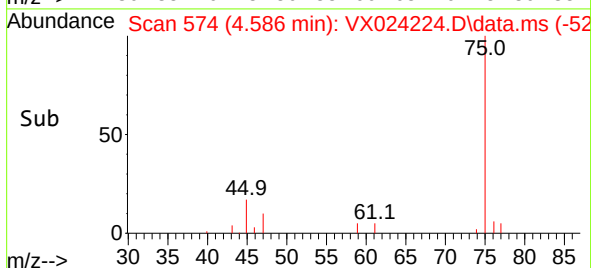
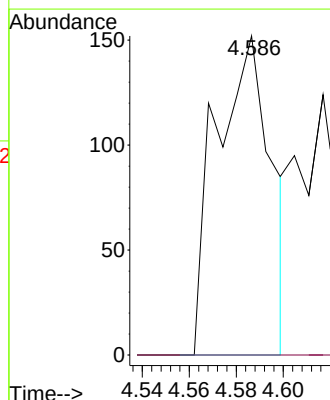
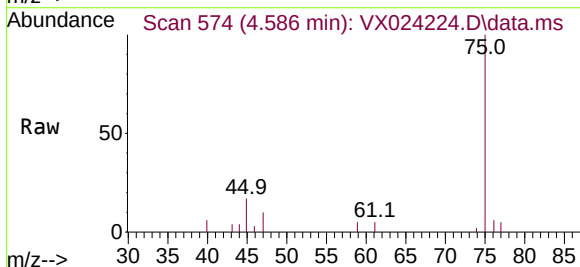
Acq: 14 Sep 2021 22:34

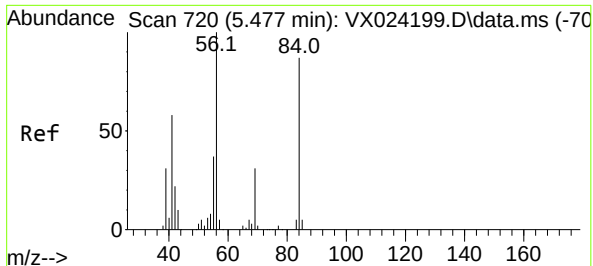
Tgt Ion: 43 Resp: 248

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#

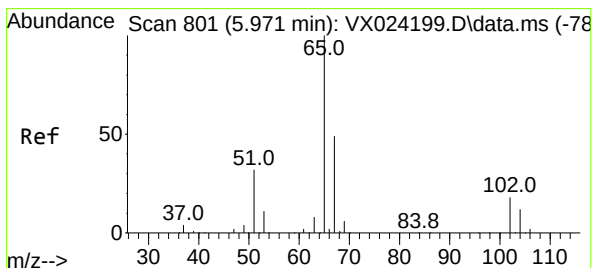
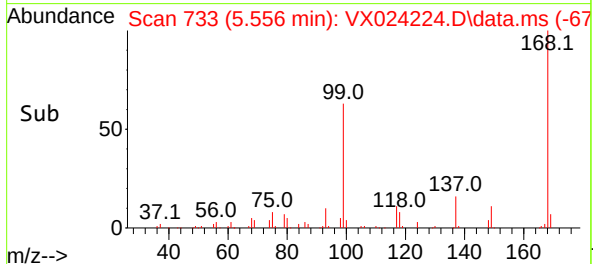
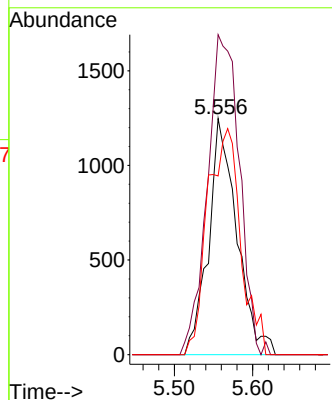
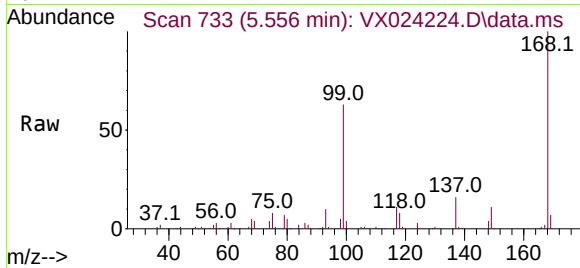




#31  
Cyclohexane  
Concen: 1.466 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.079 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

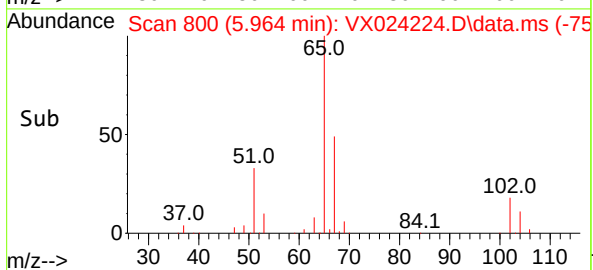
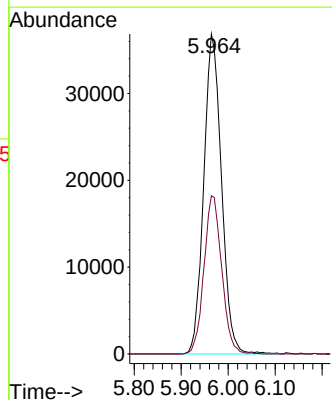
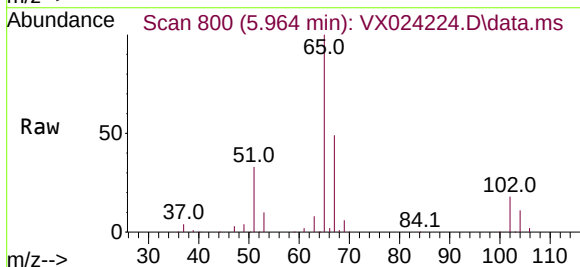
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0914WBL02

Tgt Ion: 56 Resp: 3137  
Ion Ratio Lower Upper  
56 100  
69 135.5 25.3 37.9#  
84 75.6 71.4 107.0

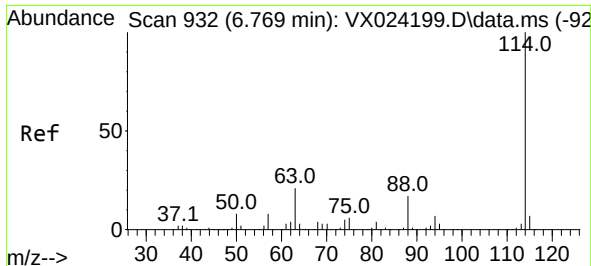


#33  
1,2-Dichloroethane-d4  
Concen: 52.773 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. -0.007 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

Tgt Ion: 65 Resp: 96570  
Ion Ratio Lower Upper  
65 100  
67 49.5 0.0 105.4



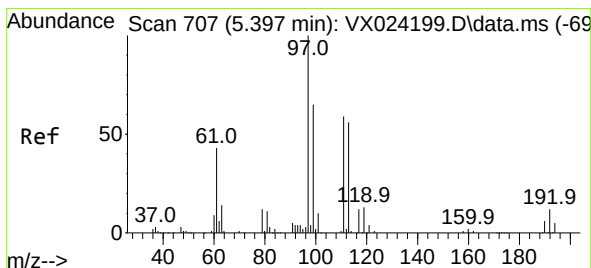
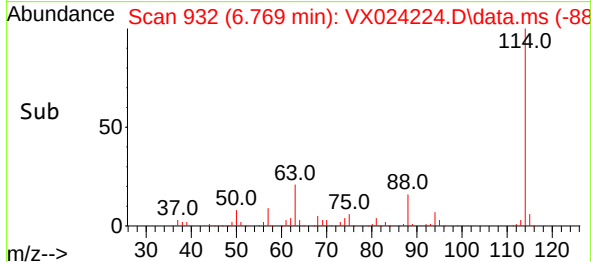
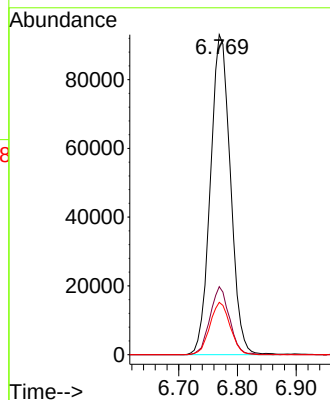
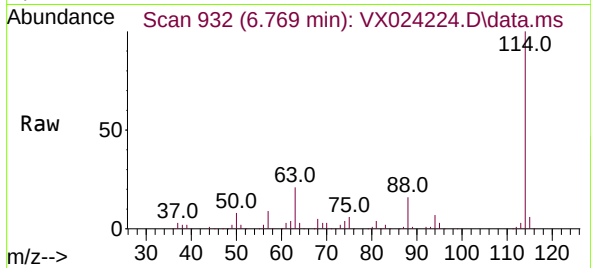




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

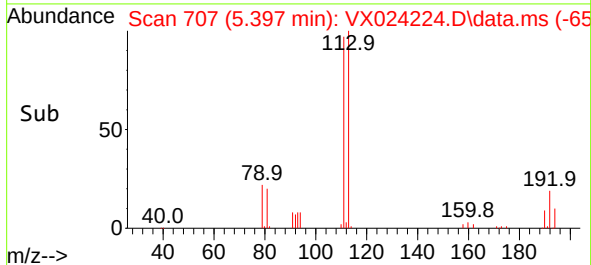
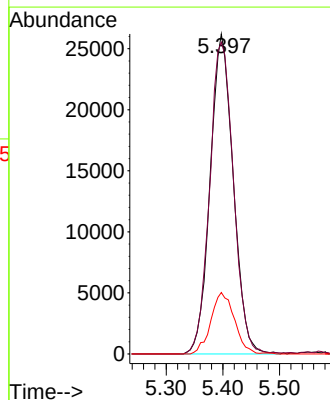
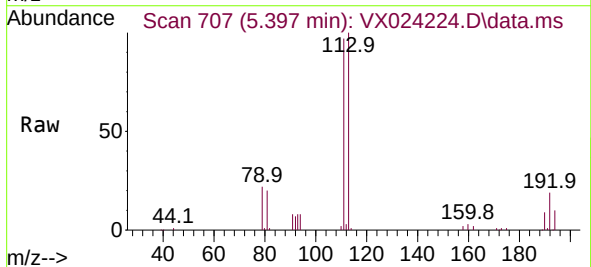
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0914WBL02

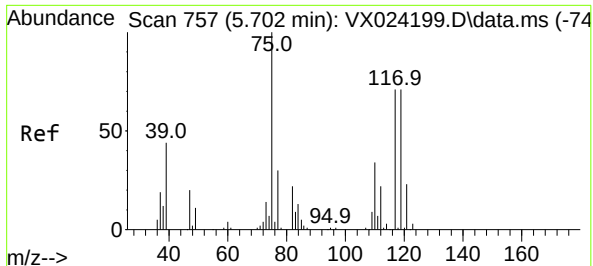
Tgt Ion:114 Resp: 219986  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 40.8  
88 16.4 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 50.171 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

Tgt Ion:113 Resp: 74019  
Ion Ratio Lower Upper  
113 100  
111 100.8 81.9 122.9  
192 19.6 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.962 ug/l

RT: 5.562 min Scan# 734

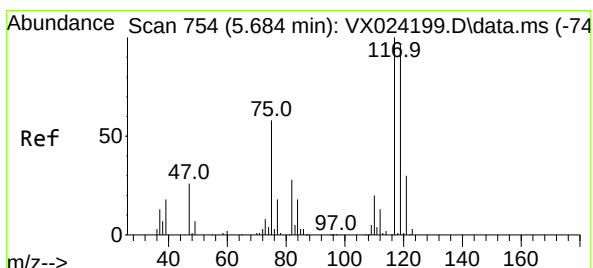
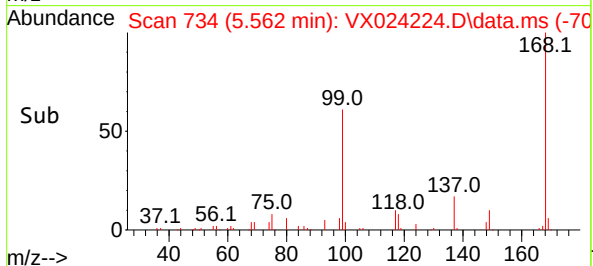
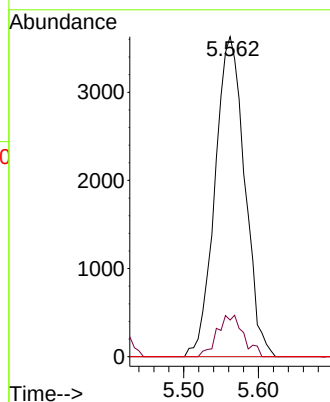
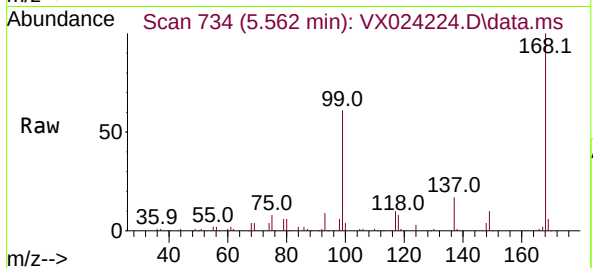
Delta R.T. -0.140 min

Lab File: VX024224.D

Acq: 14 Sep 2021 22:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 10035 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 11.4  | 18.1  | 54.4# |
| 77       | 0.0   | 25.3  | 37.9# |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0914WBL02



#38

Carbon Tetrachloride

Concen: 5.754 ug/l

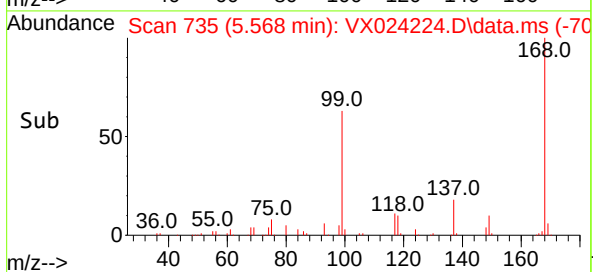
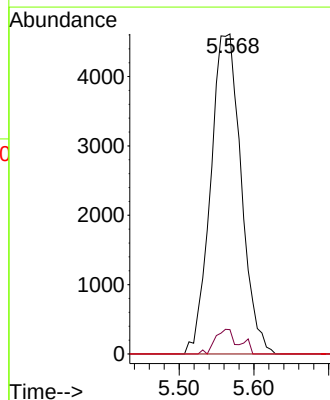
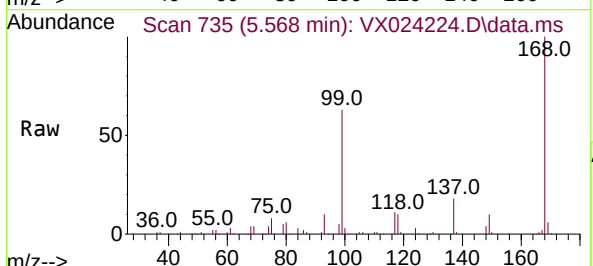
RT: 5.568 min Scan# 735

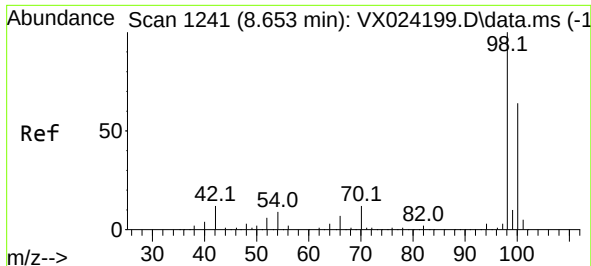
Delta R.T. -0.116 min

Lab File: VX024224.D

Acq: 14 Sep 2021 22:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 13099  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 7.6   | 76.2  | 114.2# |
| 121      | 0.0   | 24.8  | 37.2#  |

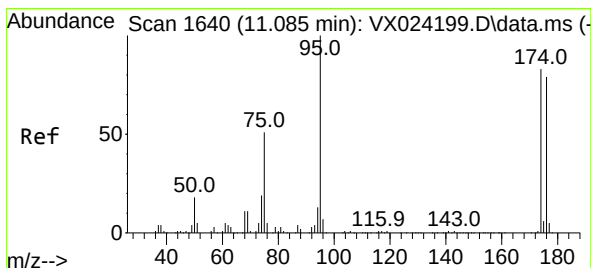
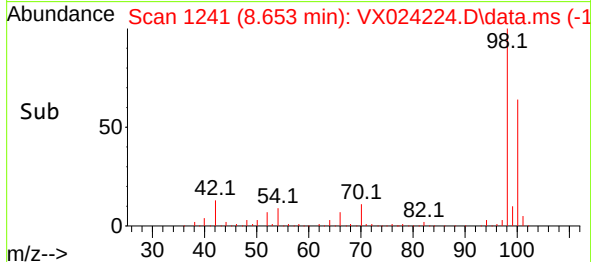
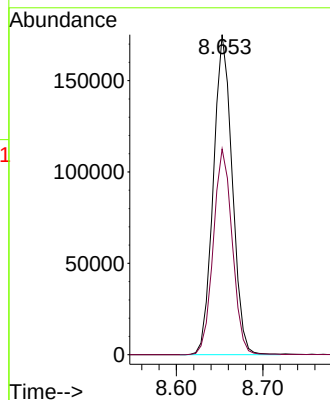
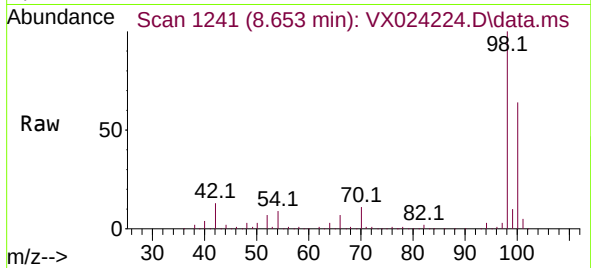




#50  
Toluene-d8  
Concen: 49.352 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

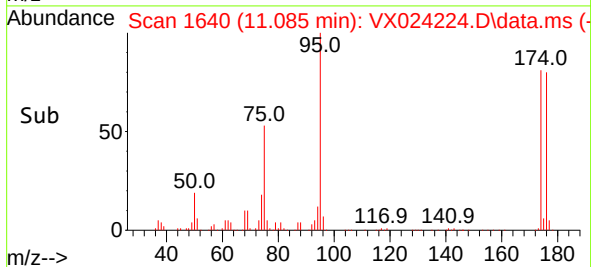
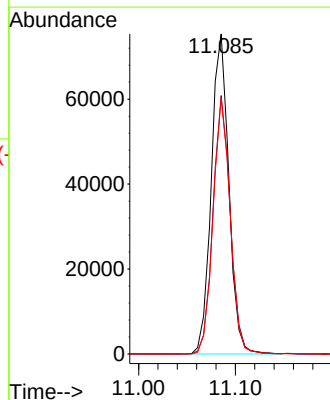
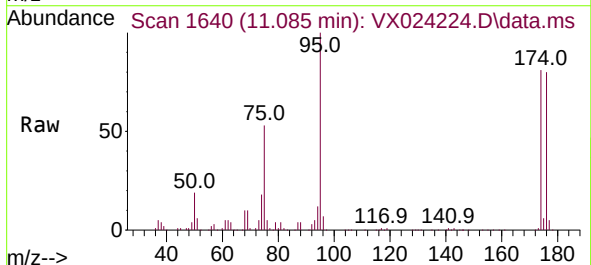
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0914WBL02

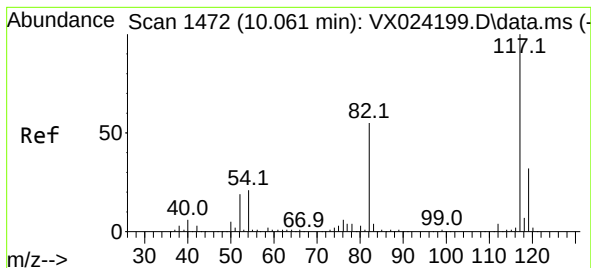
Tgt Ion: 98 Resp: 265245  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 45.312 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

Tgt Ion: 95 Resp: 94773  
Ion Ratio Lower Upper  
95 100  
174 79.7 0.0 154.6  
176 78.2 0.0 155.8

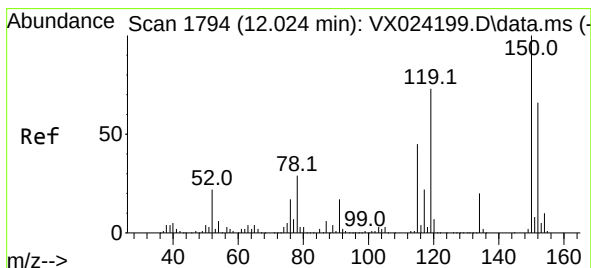
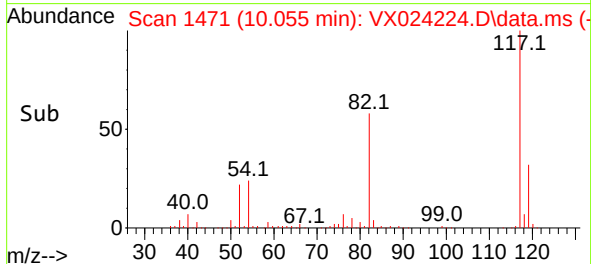
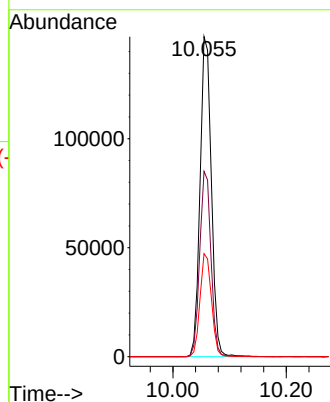
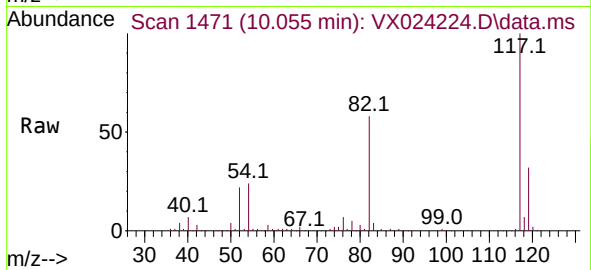




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

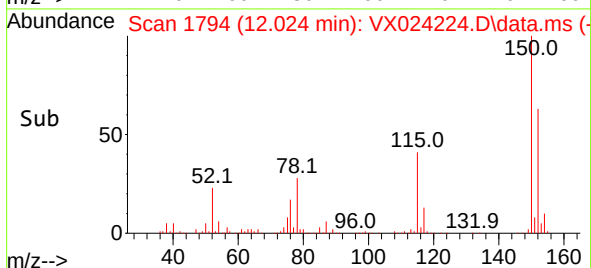
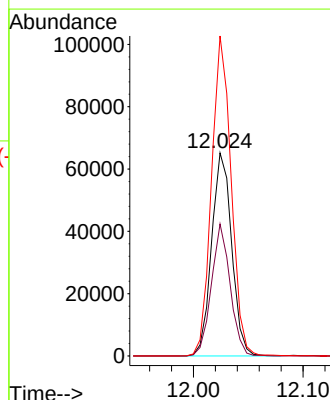
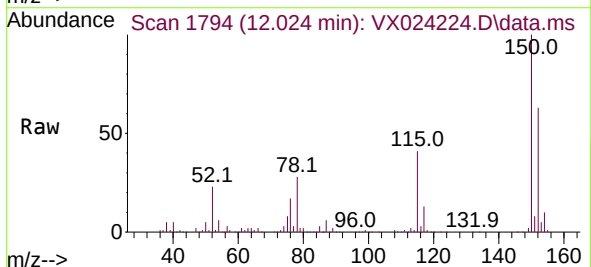
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0914WBL02

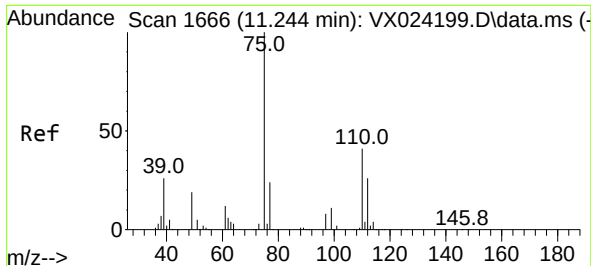
Tgt Ion:117 Resp: 202585  
Ion Ratio Lower Upper  
117 100  
82 57.9 47.4 71.2  
119 32.2 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

Tgt Ion:152 Resp: 82941  
Ion Ratio Lower Upper  
152 100  
115 60.8 41.1 123.3  
150 154.2 0.0 349.0

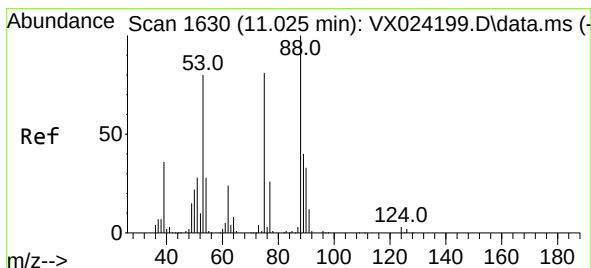
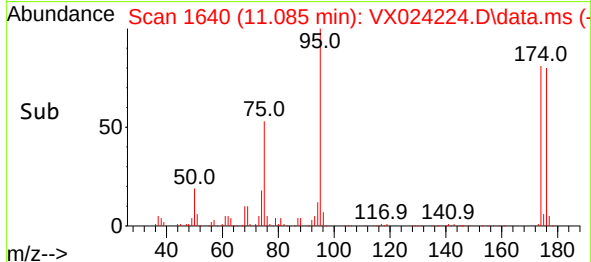
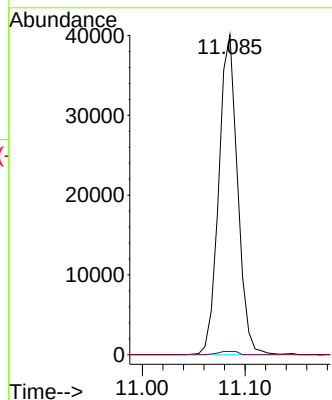
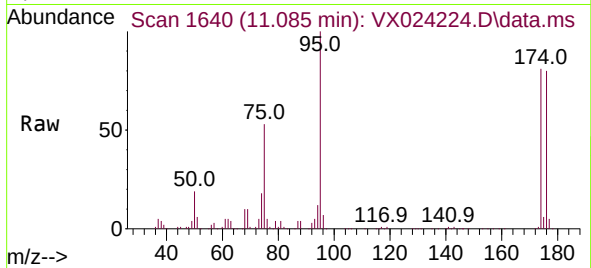




#76  
1,2,3-Trichloropropane  
Concen: 26.698 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

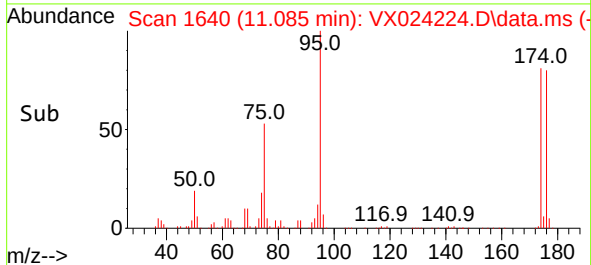
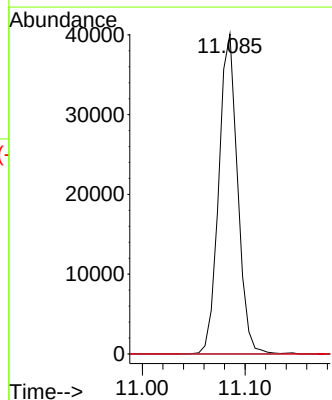
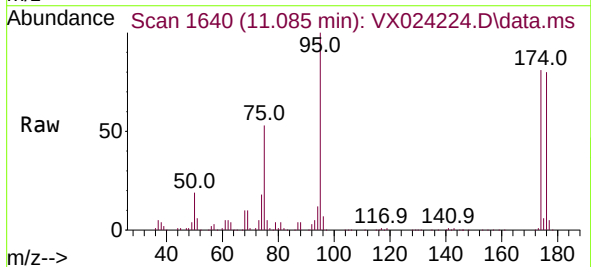
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0914WBL02

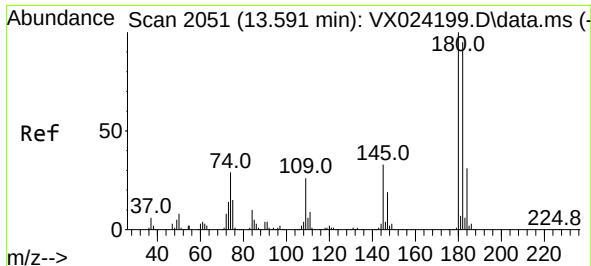
Tgt Ion: 75 Resp: 50918  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.520 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.060 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

Tgt Ion: 75 Resp: 50918  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

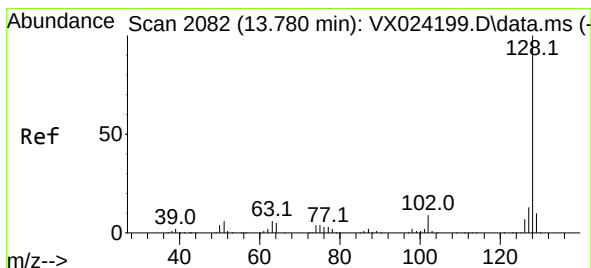
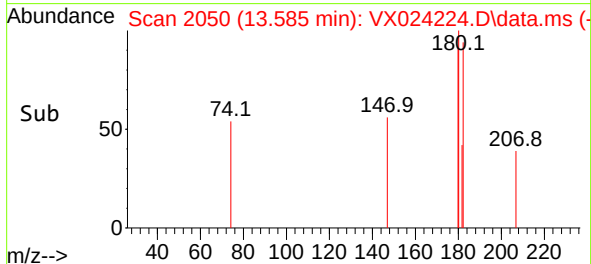
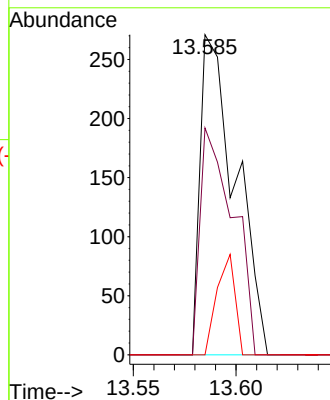
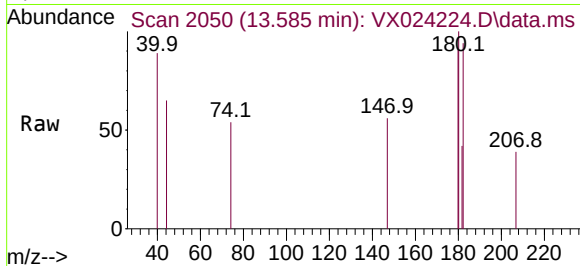




#93  
1,2,4-Trichlorobenzene  
Concen: 0.202 ug/l  
RT: 13.585 min Scan# 2050  
Delta R.T. -0.006 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0914WBL02

Tgt Ion:180 Resp: 324  
Ion Ratio Lower Upper  
180 100  
182 66.4 47.7 143.1  
145 16.0 15.0 45.0



#95  
Naphthalene  
Concen: 1.340 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.006 min  
Lab File: VX024224.D  
Acq: 14 Sep 2021 22:34

Tgt Ion:128 Resp: 325  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

