

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100421\  
 Data File : VX024517.D  
 Acq On : 04 Oct 2021 14:01  
 Operator : JC/MD  
 Sample : M3911-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SW-CB-02-(0.2)RE

Quant Time: Oct 05 03:19:56 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092321W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 23 18:24:34 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.562  | 168  | 144048   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.769  | 114  | 241648   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 245791   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 100859   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 106527   | 52.472   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 104.940% |      |
| 35) Dibromofluoromethane    | 5.397  | 113   | 86365    | 53.799   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 107.600% |      |
| 50) Toluene-d8              | 8.653  | 98    | 322831   | 54.639   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 109.280% |      |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 114992   | 49.499   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 99.000%  |      |

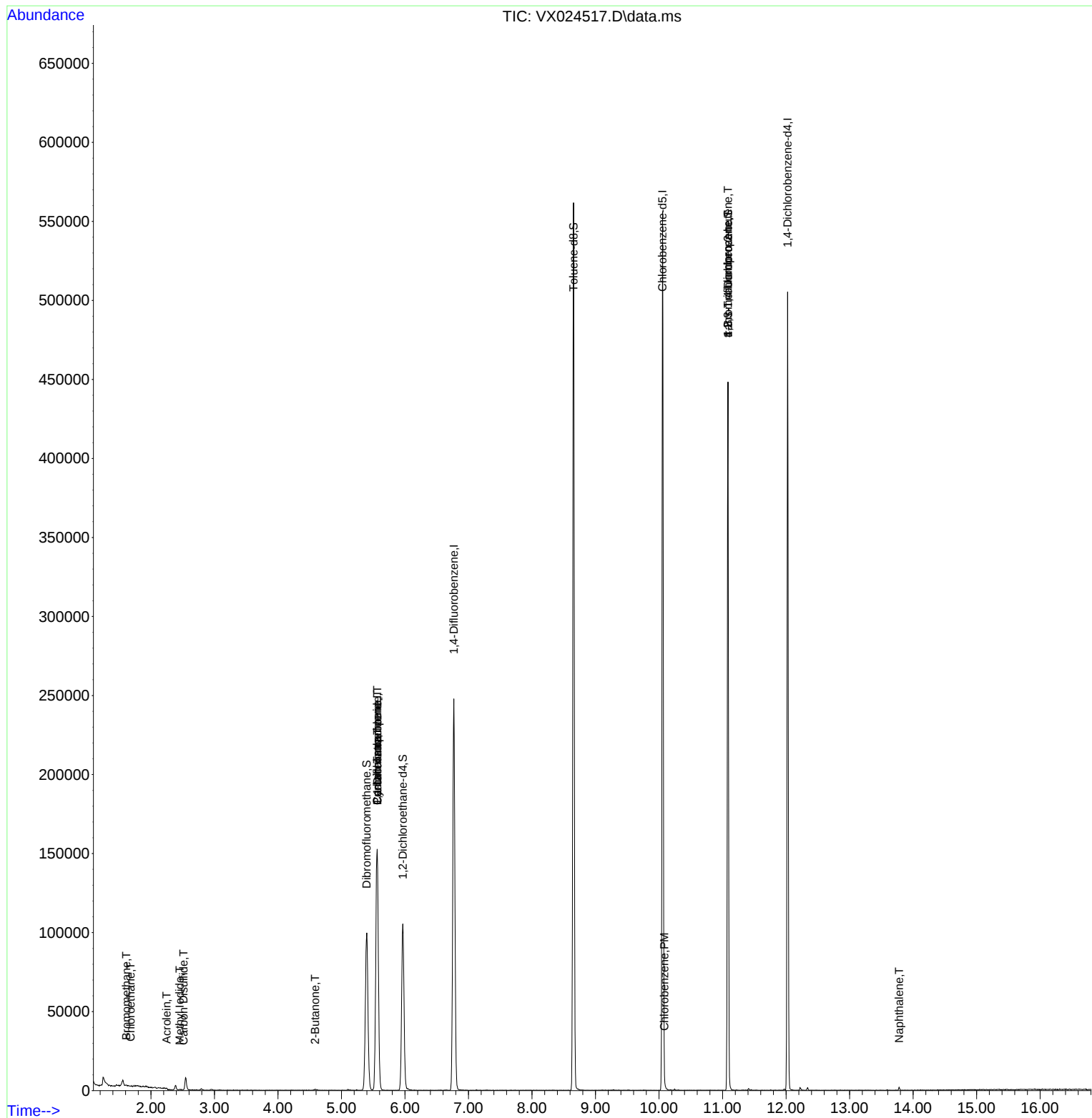
|                               |        |     |        |           |        |    |
|-------------------------------|--------|-----|--------|-----------|--------|----|
| Target Compounds              |        |     | Qvalue |           |        |    |
| 5) Bromomethane               | 1.611  | 94  | 234    | 0.243     | ug/l # | 53 |
| 6) Chloroethane               | 1.679  | 64  | 200    | 0.467     | ug/l   | 95 |
| 10) Methyl Iodide             | 2.453  | 142 | 541    | 0.272     | ug/l # | 74 |
| 11) Tert butyl alcohol        | 2.953  | 59  | 384    | Below Cal | #      | 73 |
| 13) Acrolein                  | 2.245  | 56  | 71     | 10.678    | ug/l # | 1  |
| 16) Acetone                   | 2.392  | 43  | 3047   | Below Cal | #      | 82 |
| 17) Carbon Disulfide          | 2.514  | 76  | 436    | 0.355     | ug/l # | 75 |
| 20) Methylene Chloride        | 2.794  | 84  | 439    | Below Cal | #      | 81 |
| 25) 2-Butanone                | 4.587  | 43  | 474    | 0.339     | ug/l # | 45 |
| 31) Cyclohexane               | 5.562  | 56  | 2895   | 1.191     | ug/l # | 1  |
| 36) 1,1-Dichloropropene       | 5.562  | 75  | 11803  | 5.095     | ug/l # | 48 |
| 38) Carbon Tetrachloride      | 5.562  | 117 | 14856  | 5.891     | ug/l # | 16 |
| 65) Chlorobenzene             | 10.086 | 112 | 1160   | 0.227     | ug/l # | 86 |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75  | 59781  | 26.100    | ug/l # | 38 |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75  | 59781  | 71.089    | ug/l # | 12 |
| 95) Naphthalene               | 13.780 | 128 | 1510   | 0.215     | ug/l # | 92 |

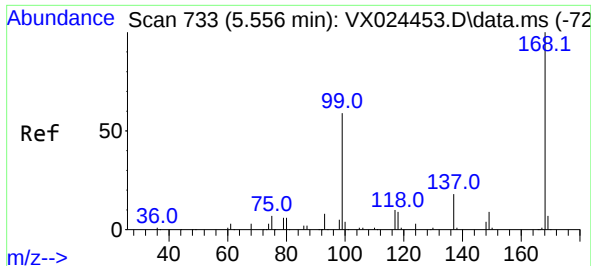
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100421\  
Data File : VX024517.D  
Acq On : 04 Oct 2021 14:01  
Operator : JC/MD  
Sample : M3911-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)RE

Quant Time: Oct 05 03:19:56 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092321W.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 23 18:24:34 2021  
Response via : Initial Calibration

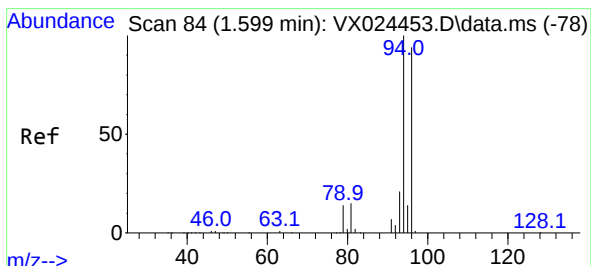
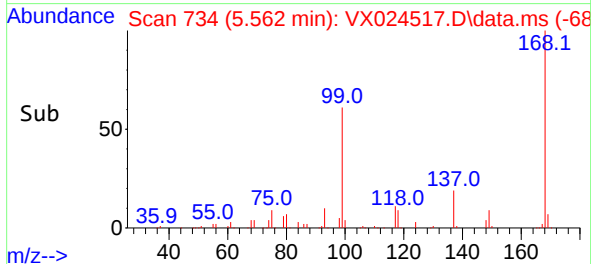
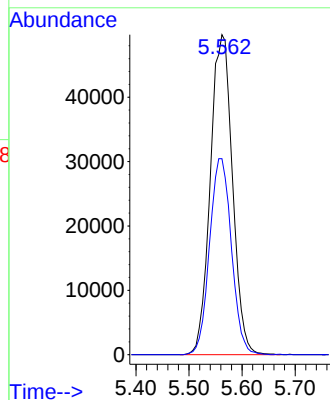
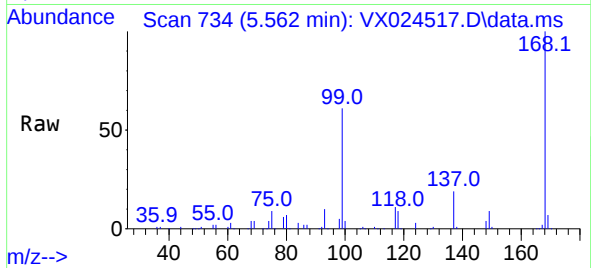




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.006 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

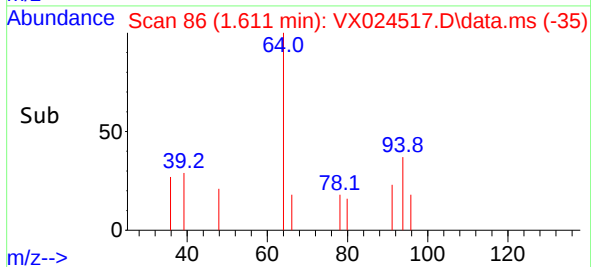
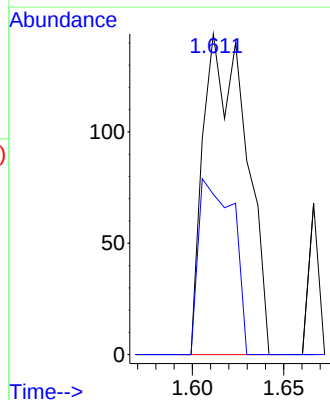
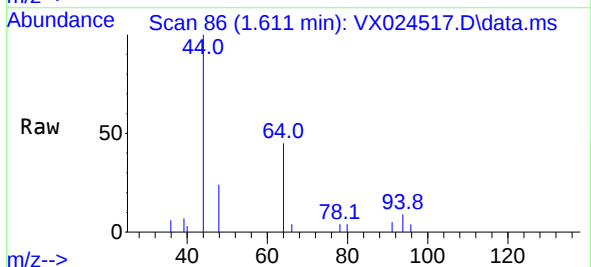
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)RE

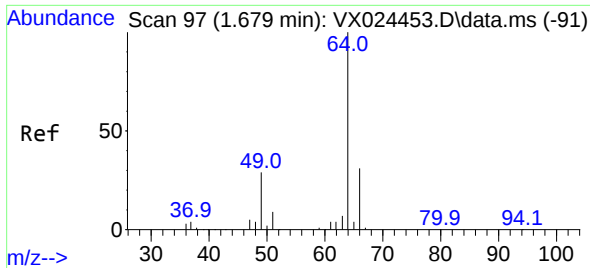
Tgt Ion:168 Resp: 144048  
Ion Ratio Lower Upper  
168 100  
99 61.3 45.8 68.6



#5  
Bromomethane  
Concen: 0.243 ug/l  
RT: 1.611 min Scan# 86  
Delta R.T. 0.012 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

Tgt Ion: 94 Resp: 234  
Ion Ratio Lower Upper  
94 100  
96 50.0 76.4 114.6#

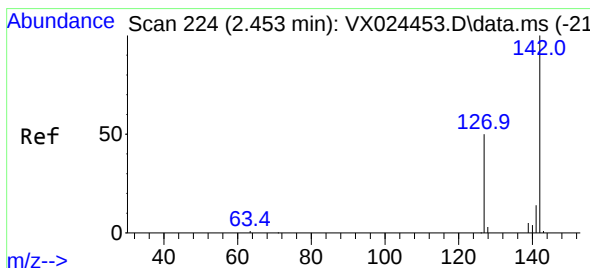
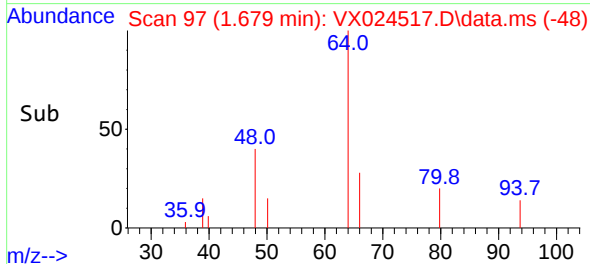
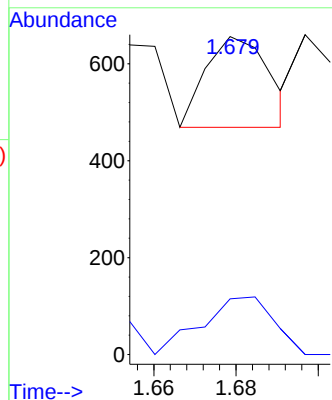
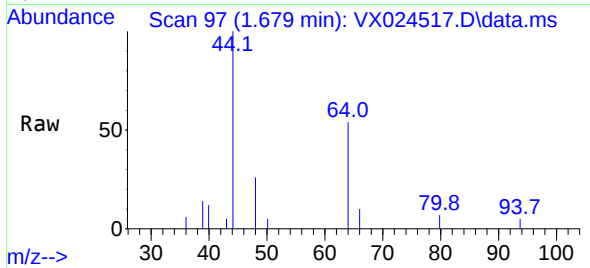




#6  
Chloroethane  
Concen: 0.467 ug/l  
RT: 1.679 min Scan# 97  
Delta R.T. -0.000 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

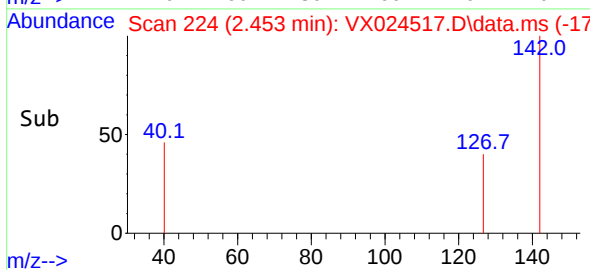
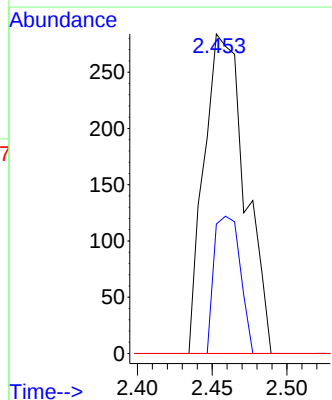
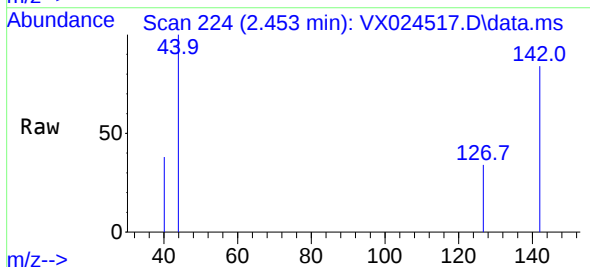
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)RE

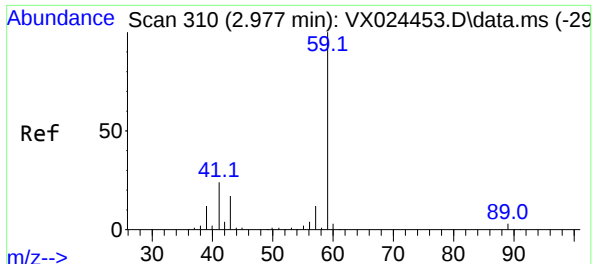
Tgt Ion: 64 Resp: 200  
Ion Ratio Lower Upper  
64 100  
66 34.2 25.4 38.0



#10  
Methyl Iodide  
Concen: 0.272 ug/l  
RT: 2.453 min Scan# 224  
Delta R.T. -0.000 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

Tgt Ion: 142 Resp: 541  
Ion Ratio Lower Upper  
142 100  
127 27.4 33.3 49.9#  
141 0.0 11.4 17.0#

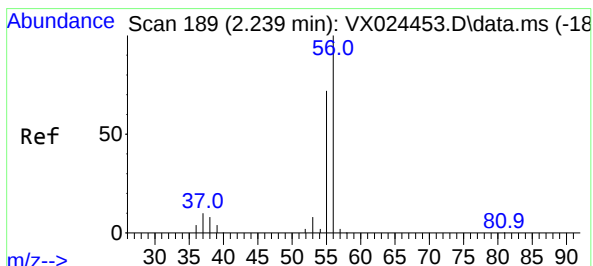
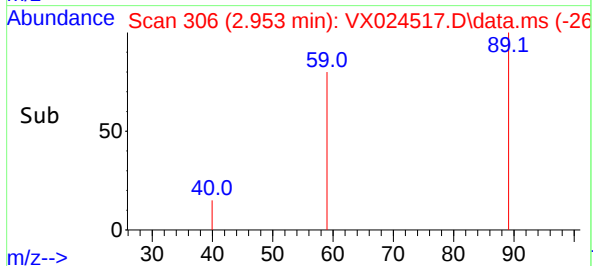
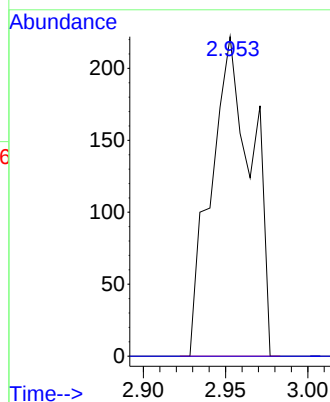
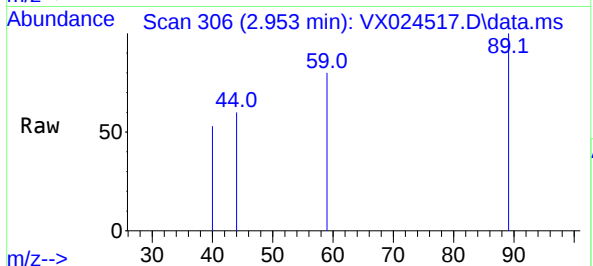




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.953 min Scan# 306  
Delta R.T. -0.024 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

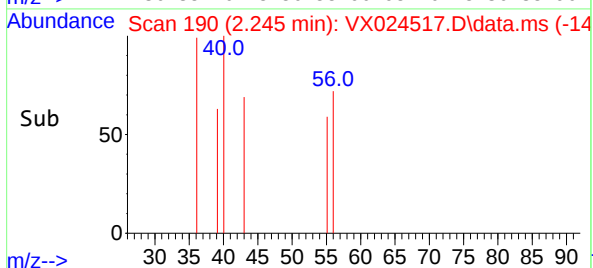
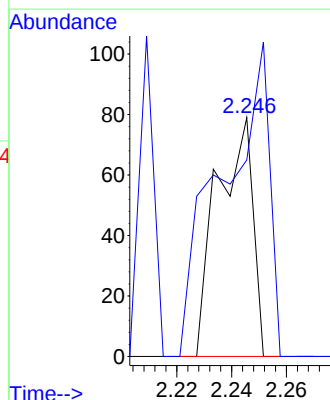
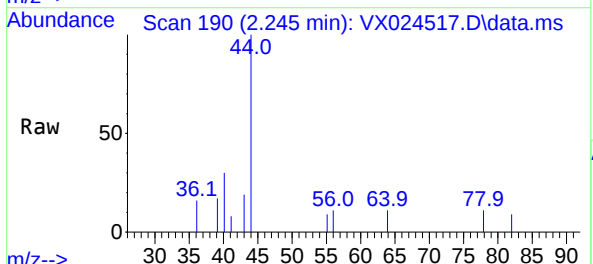
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)RE

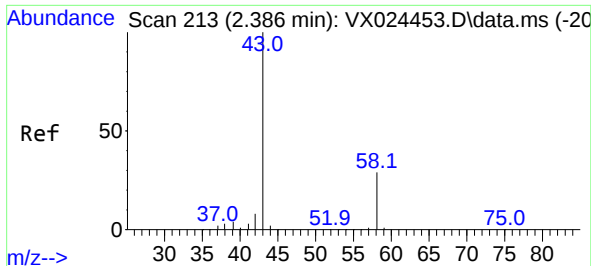
Tgt Ion: 59 Resp: 384  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



#13  
Acrolein  
Concen: 10.678 ug/l  
RT: 2.245 min Scan# 190  
Delta R.T. 0.006 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

Tgt Ion: 56 Resp: 71  
Ion Ratio Lower Upper  
56 100  
55 174.6 56.4 84.6#

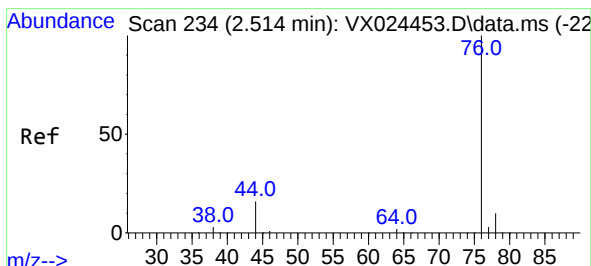
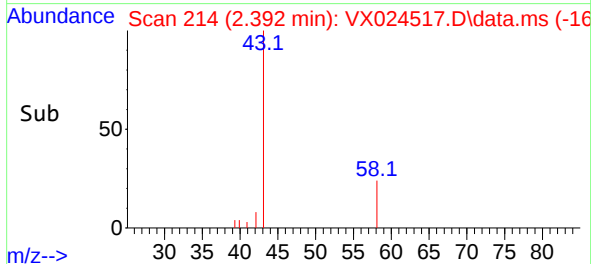
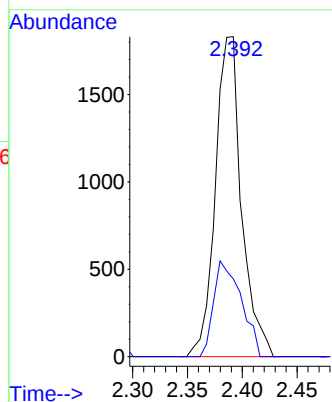
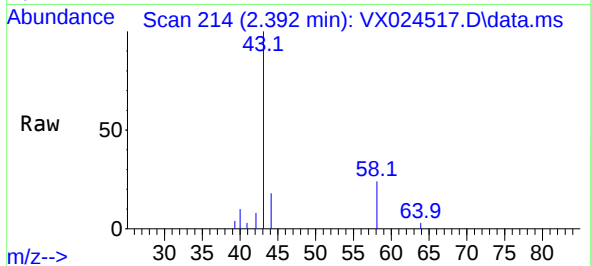




#16  
Acetone  
Concen: Below Cal  
RT: 2.392 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

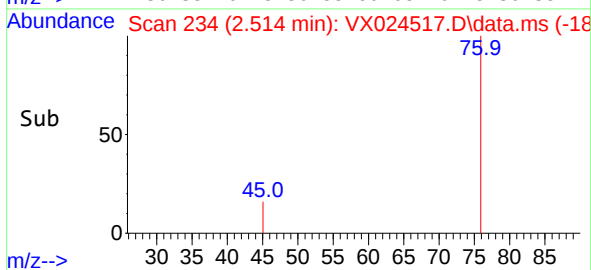
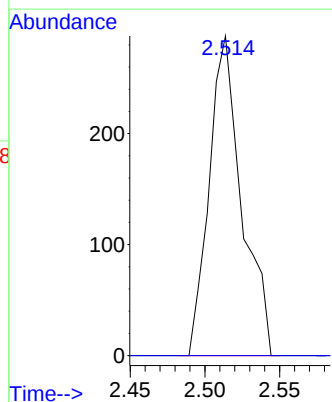
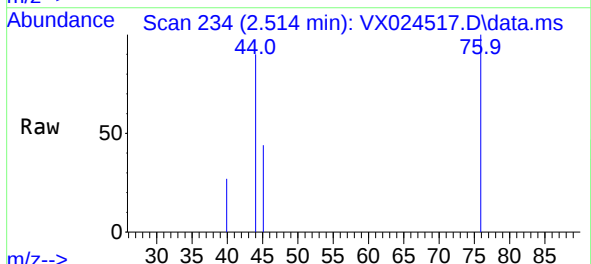
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)RE

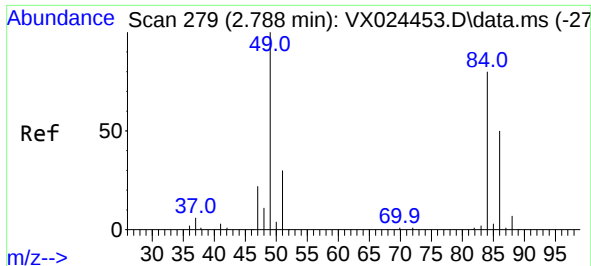
Tgt Ion: 43 Resp: 3047  
Ion Ratio Lower Upper  
43 100  
58 24.3 27.8 41.8#



#17  
Carbon Disulfide  
Concen: 0.355 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

Tgt Ion: 76 Resp: 436  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#

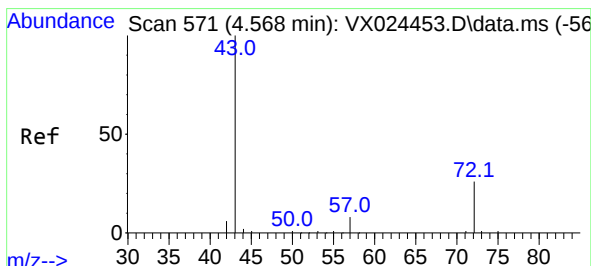
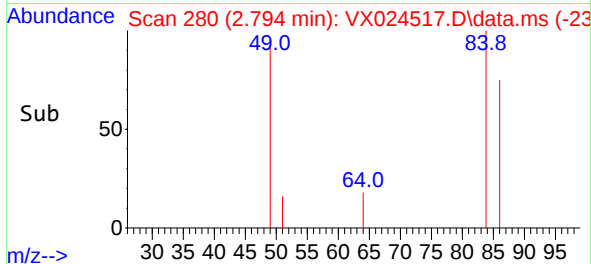
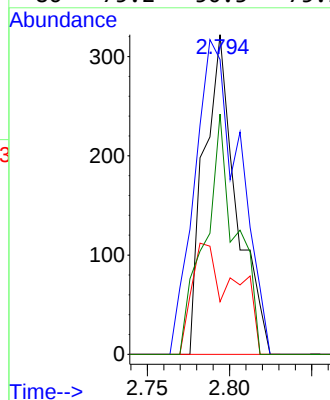
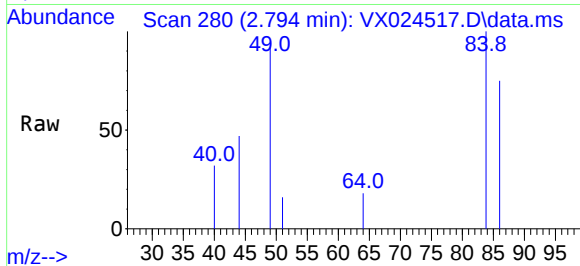




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

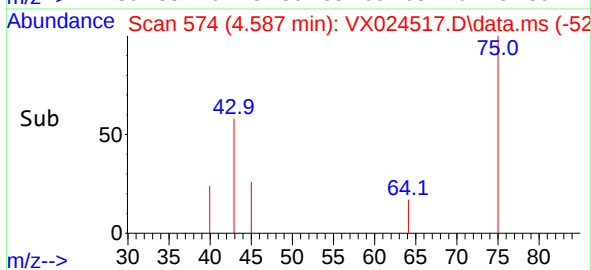
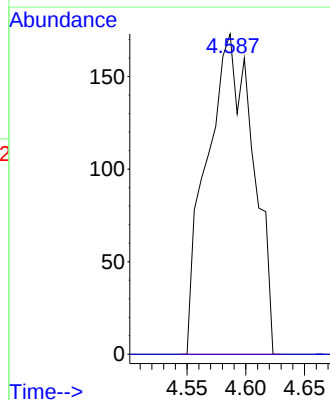
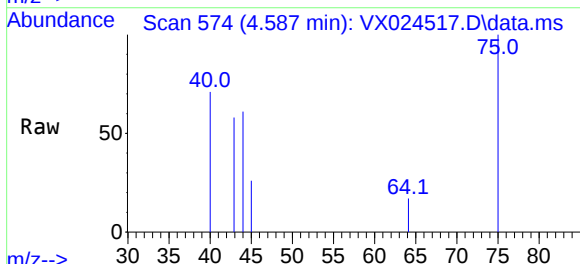
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)RE

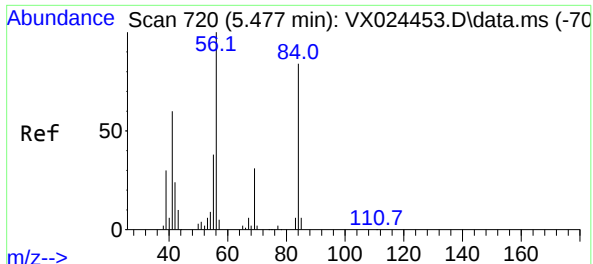
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|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 439   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 92.2  | 88.6  | 132.8 |
| 51       | 16.5  | 27.0  | 40.6# |
| 86       | 75.2  | 50.3  | 75.5  |



#25  
2-Butanone  
Concen: 0.339 ug/l  
RT: 4.587 min Scan# 574  
Delta R.T. 0.019 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

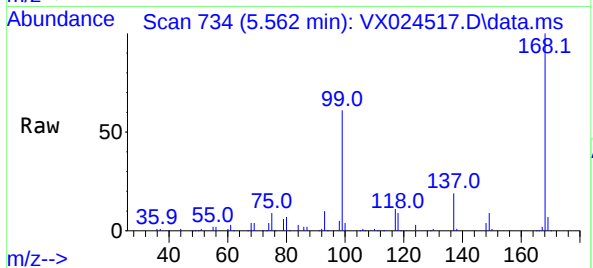
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|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 474   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 23.7  | 35.5# |



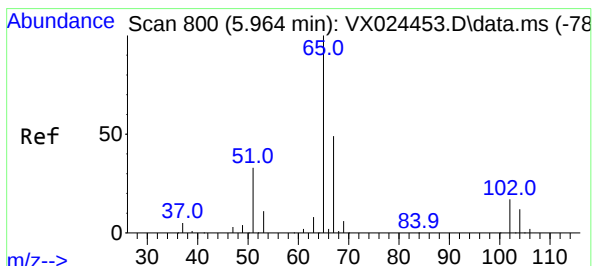
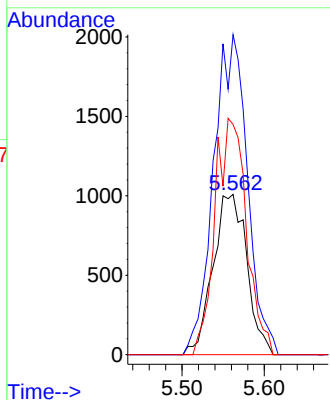
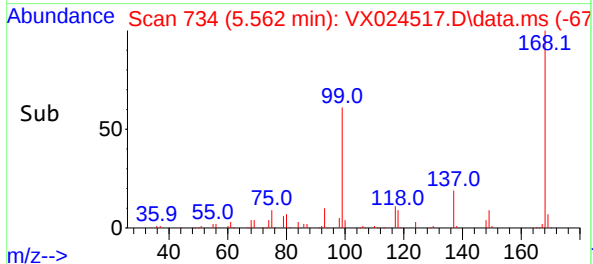


#31  
Cyclohexane  
Concen: 1.191 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.085 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

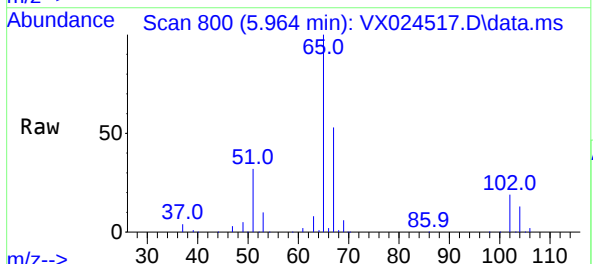
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)RE



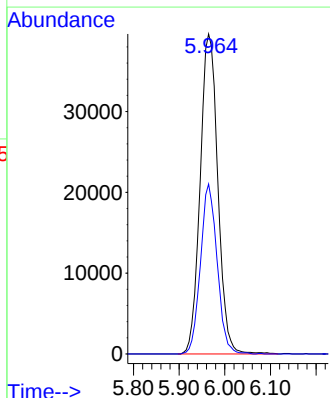
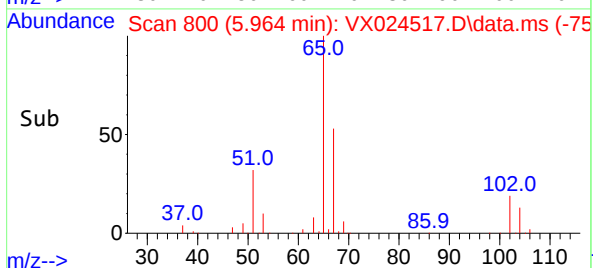
Tgt Ion: 56 Resp: 2895  
Ion Ratio Lower Upper  
56 100  
69 199.6 25.3 37.9#  
84 143.6 71.4 107.0#

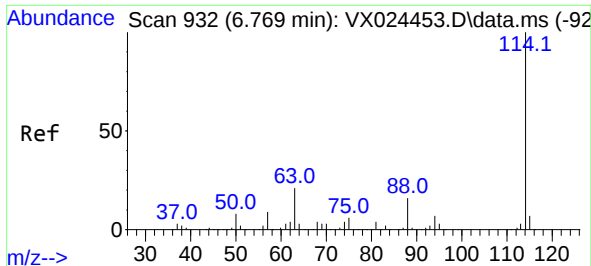


#33  
1,2-Dichloroethane-d4  
Concen: 52.472 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01



Tgt Ion: 65 Resp: 106527  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 105.4

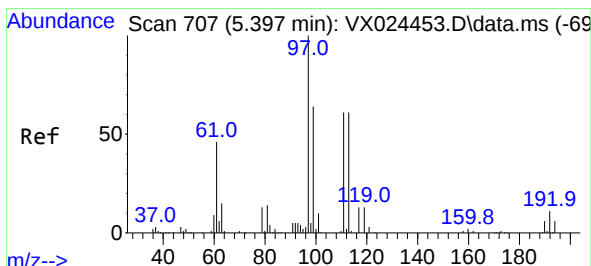
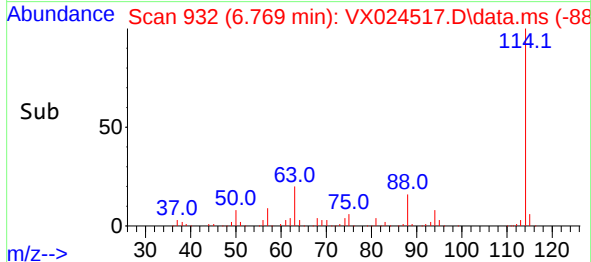
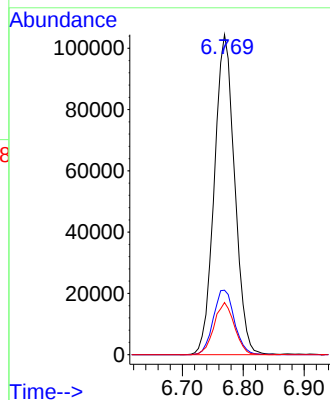
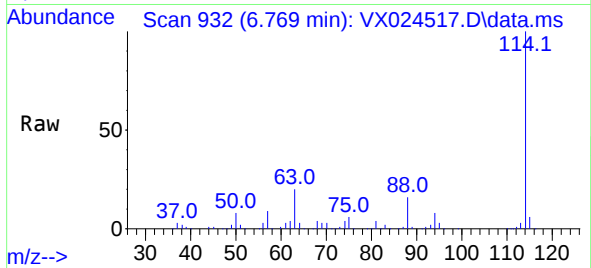




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

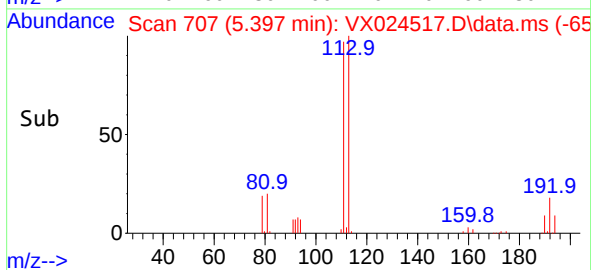
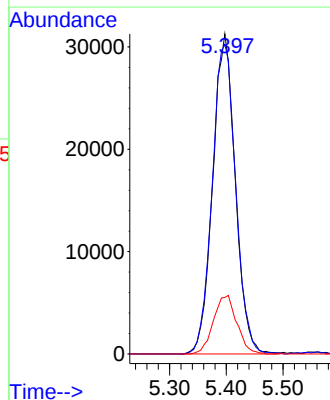
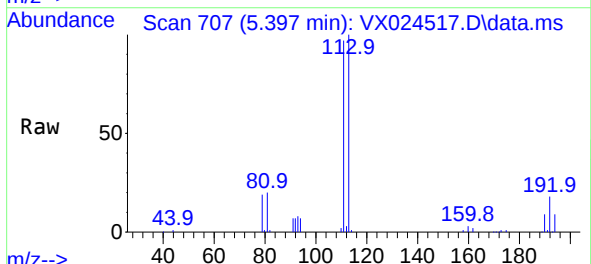
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)RE

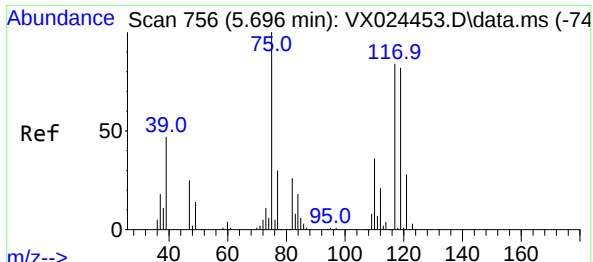
Tgt Ion:114 Resp: 241648  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 40.8  
88 16.3 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 53.799 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

Tgt Ion:113 Resp: 86365  
Ion Ratio Lower Upper  
113 100  
111 101.0 81.9 122.9  
192 19.0 16.7 25.1



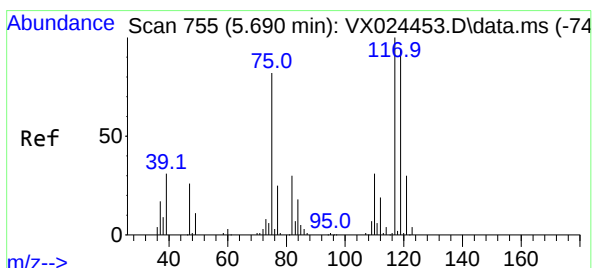
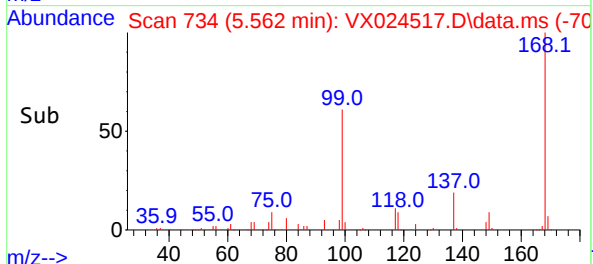
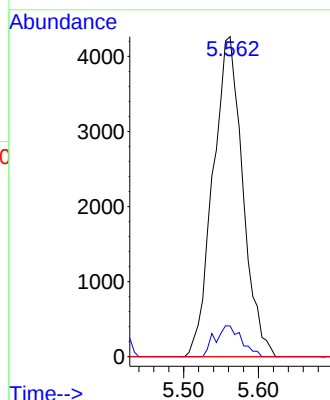
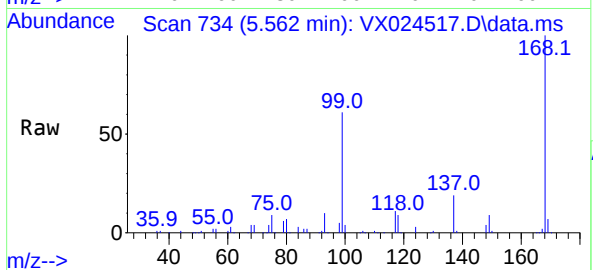


#36

1,1-Dichloropropene  
Concen: 5.095 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.134 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)RE

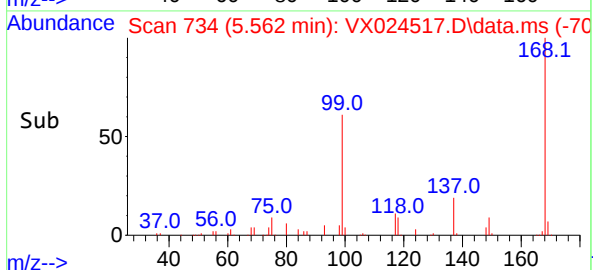
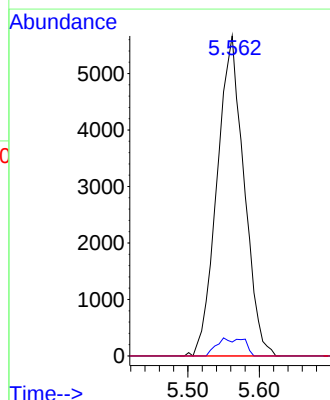
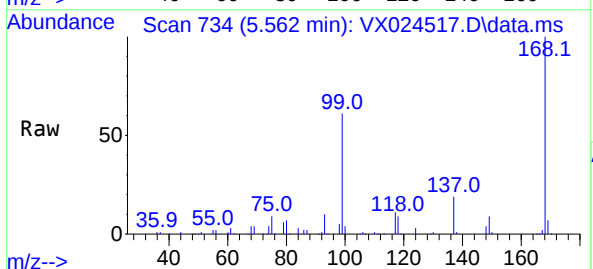
Tgt Ion: 75 Resp: 11803  
Ion Ratio Lower Upper  
75 100  
110 8.6 18.1 54.4#  
77 0.0 25.3 37.9#

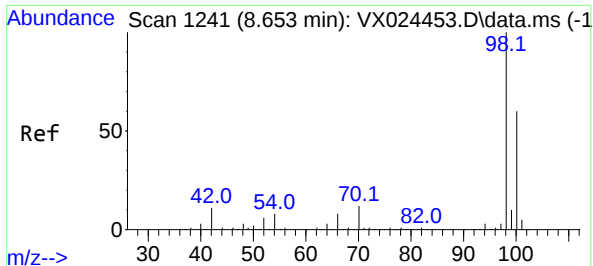


#38

Carbon Tetrachloride  
Concen: 5.891 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.128 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

Tgt Ion: 117 Resp: 14856  
Ion Ratio Lower Upper  
117 100  
119 4.4 76.2 114.2#  
121 0.0 24.8 37.2#

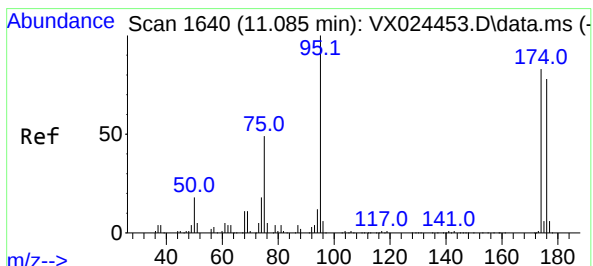
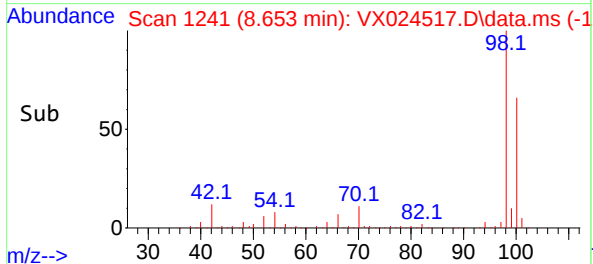
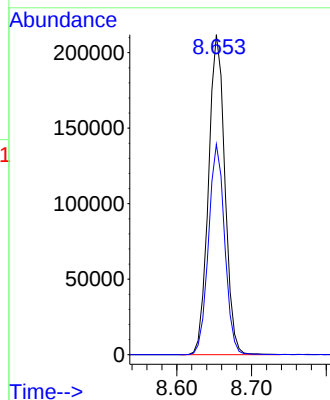
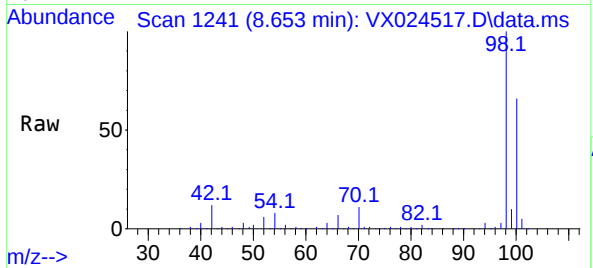




#50  
Toluene-d8  
Concen: 54.639 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

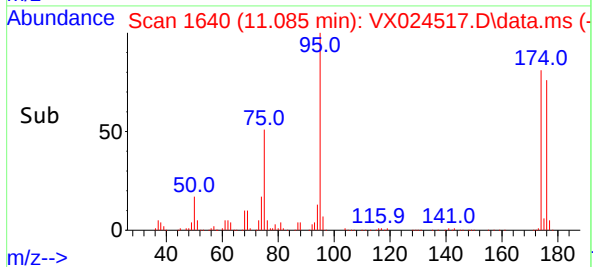
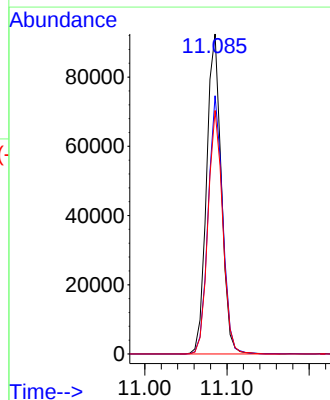
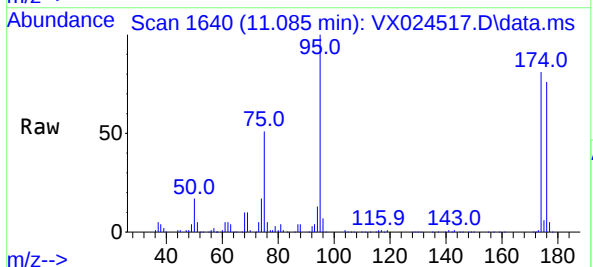
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)RE

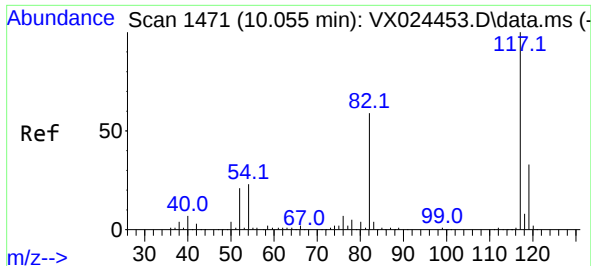
Tgt Ion: 98 Resp: 322831  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 49.499 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

Tgt Ion: 95 Resp: 114992  
Ion Ratio Lower Upper  
95 100  
174 79.5 0.0 154.6  
176 75.8 0.0 155.8

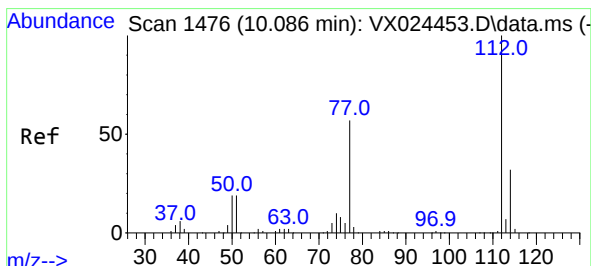
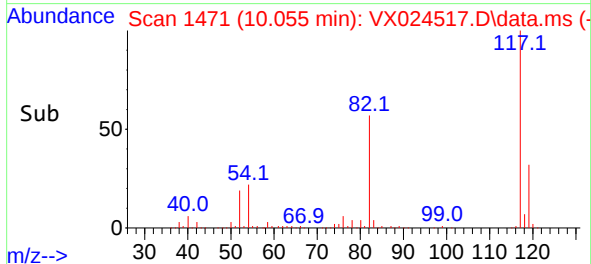
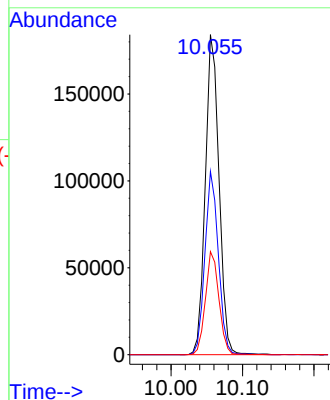
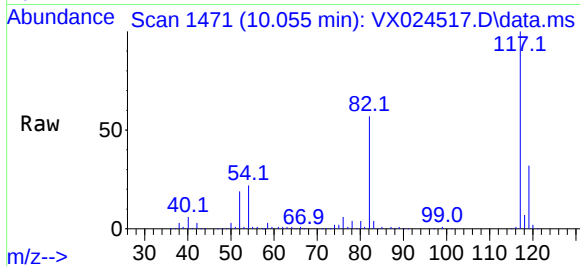




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

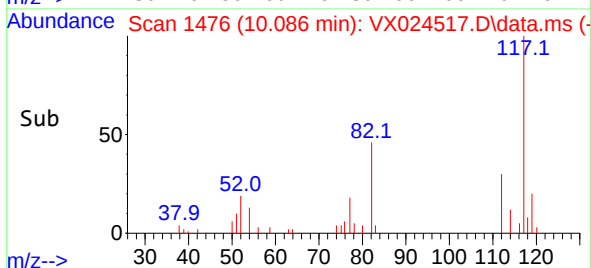
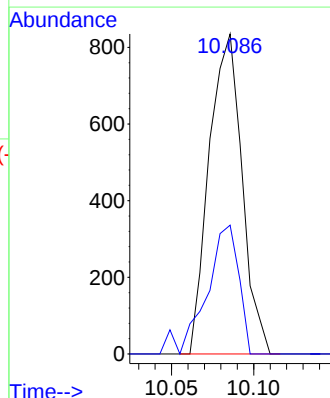
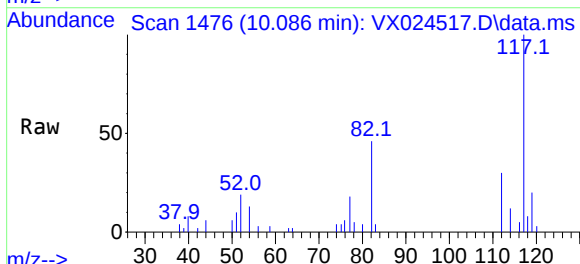
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)RE

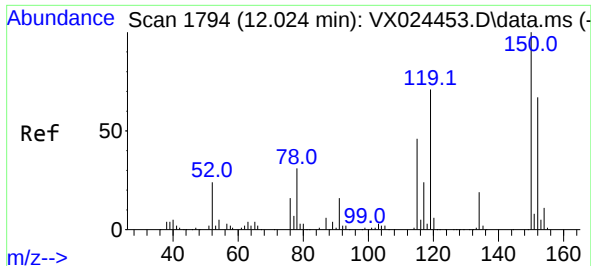
Tgt Ion:117 Resp: 245791  
Ion Ratio Lower Upper  
117 100  
82 57.3 47.4 71.2  
119 32.2 26.6 39.8



#65  
Chlorobenzene  
Concen: 0.227 ug/l  
RT: 10.086 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

Tgt Ion:112 Resp: 1160  
Ion Ratio Lower Upper  
112 100  
114 40.2 25.8 38.6#

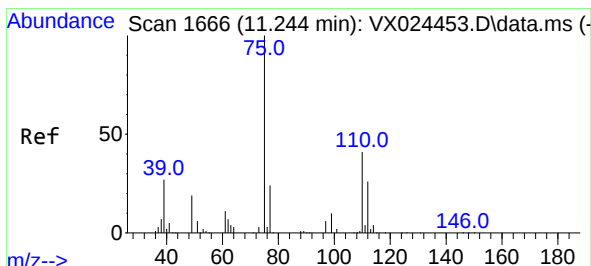
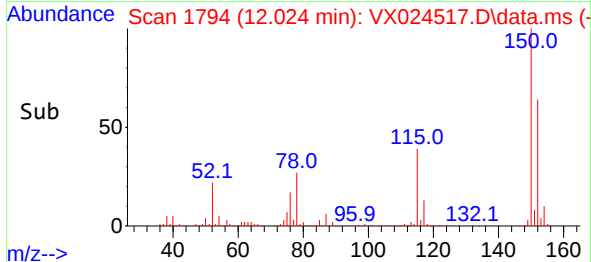
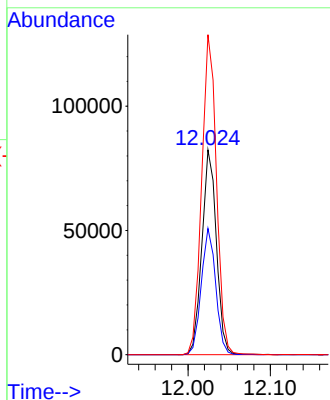
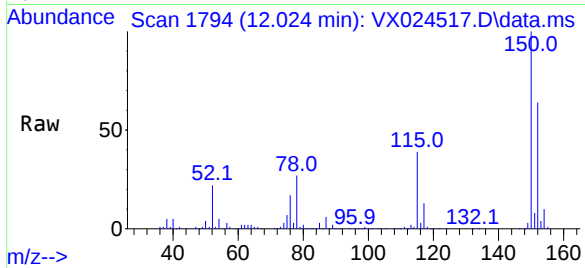




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

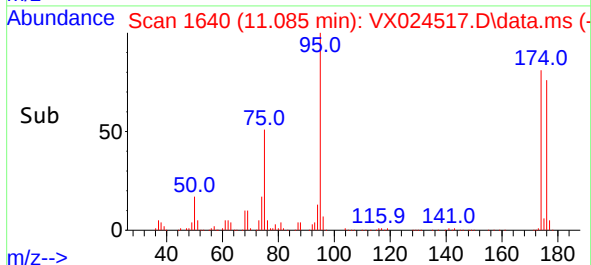
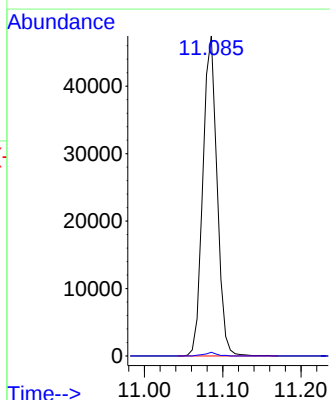
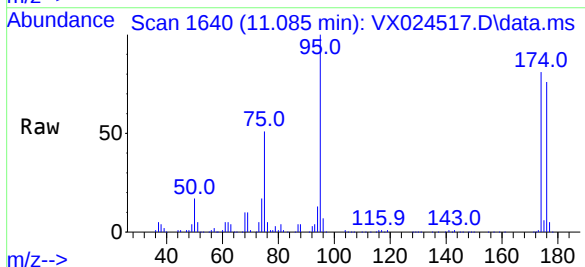
Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)RE

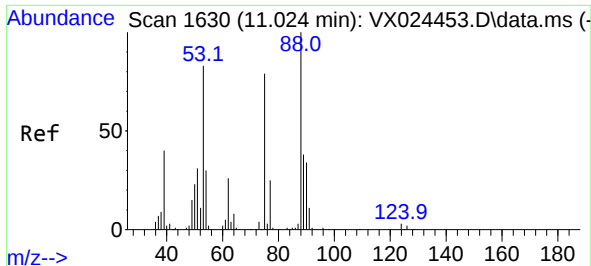
Tgt Ion:152 Resp: 100859  
Ion Ratio Lower Upper  
152 100  
115 61.5 41.1 123.3  
150 159.3 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 26.100 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

Tgt Ion: 75 Resp: 59781  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.1 57.5#

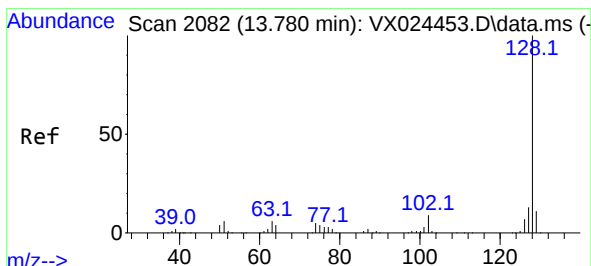
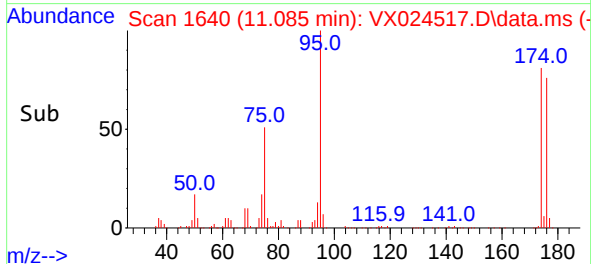
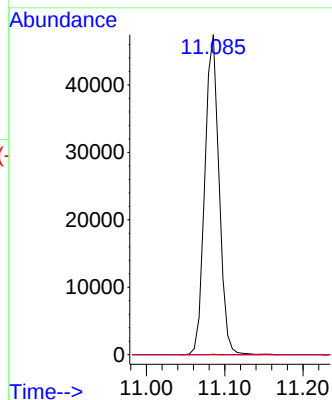
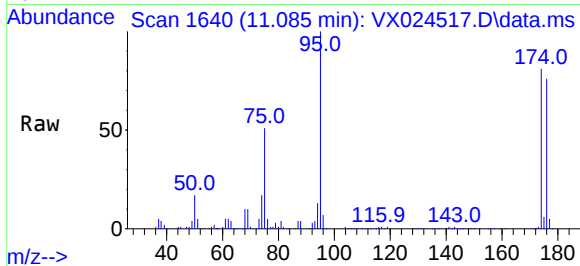




#81  
trans-1,4-Dichloro-2-butene  
Concen: 71.089 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
SW-CB-02-(0.2)RE

Tgt Ion: 75 Resp: 59781  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 0.215 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX024517.D  
Acq: 04 Oct 2021 14:01

Tgt Ion:128 Resp: 1510  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.3 15.5  
129 4.6 8.8 13.2#

