

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082621\  
 Data File : VX023965.D  
 Acq On : 26 Aug 2021 15:09  
 Operator : JC/MD  
 Sample : M3535-13  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WVLY-TB-GW-24AUG

Quant Time: Aug 27 05:56:53 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

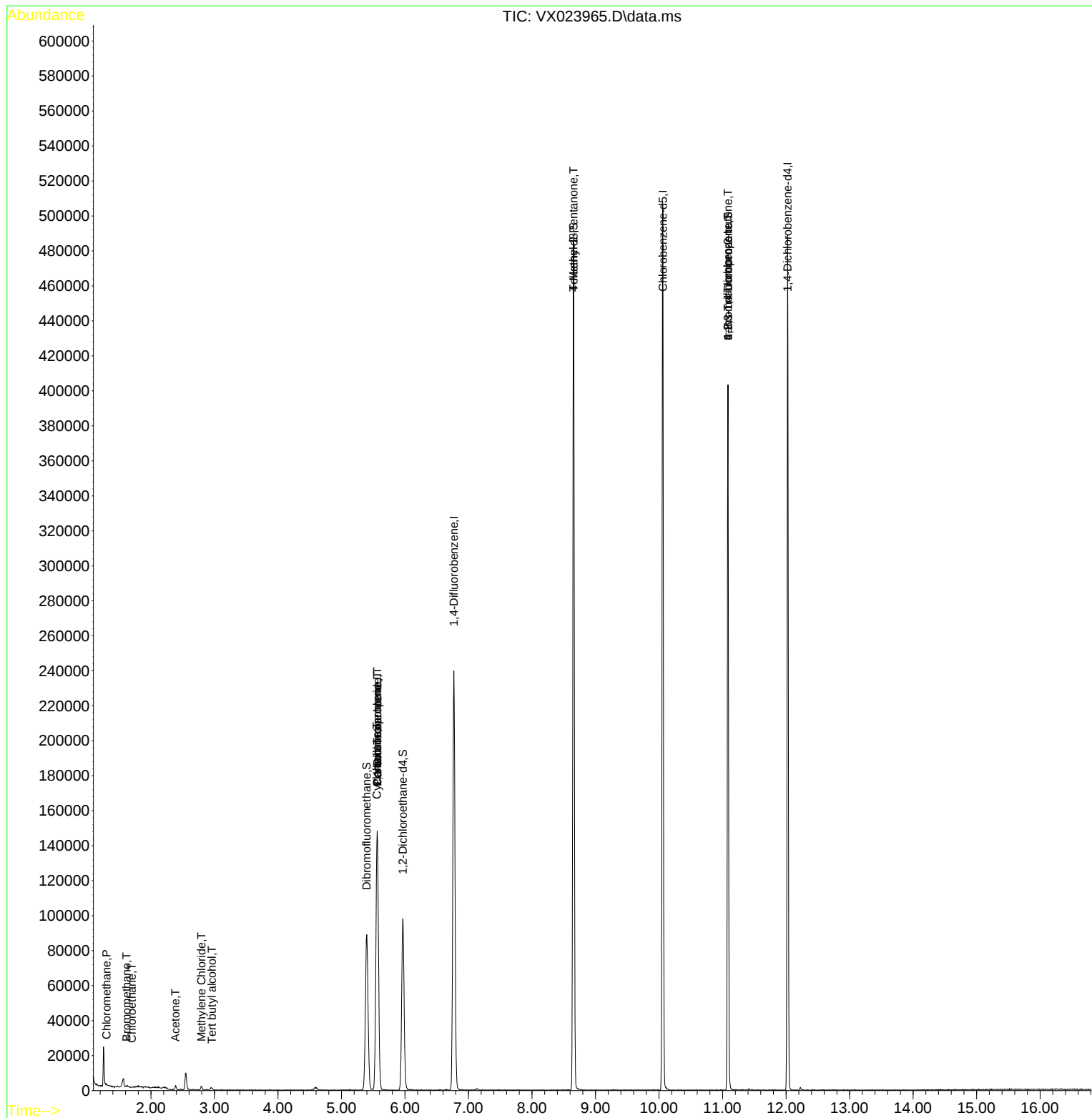
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 136661     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 237460     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.061         | 117  | 223240     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 94055      | 50.000   | ug/l   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 96925      | 50.816   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 101.640% |        |          |
| 35) Dibromofluoromethane      | 5.397          | 113  | 76202      | 48.484   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 96.960%  |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 276719     | 46.259   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 92.520%  |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 99191      | 45.044   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 90.080%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      | Qvalue     |          |        |          |
| 3) Chloromethane              | 1.301          | 50   | 488        | 0.308    | ug/l # | 88       |
| 5) Bromomethane               | 1.618          | 94   | 375        | 0.386    | ug/l # | 51       |
| 6) Chloroethane               | 1.697          | 64   | 94         | 2.287    | ug/l # | 43       |
| 11) Tert butyl alcohol        | 2.959          | 59   | 1063       | 2.756    | ug/l # | 73       |
| 16) Acetone                   | 2.386          | 43   | 2482       | 2.910    | ug/l # | 78       |
| 20) Methylene Chloride        | 2.794          | 84   | 1030       | 0.632    | ug/l   | 97       |
| 31) Cyclohexane               | 5.556          | 56   | 3288       | 1.342    | ug/l # | 34       |
| 36) 1,1-Dichloropropene       | 5.562          | 75   | 11250      | 5.116    | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 5.562          | 117  | 14656      | 6.391    | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 8.653          | 43   | 1398       | 0.511    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 54710      | 24.936   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 54710      | 73.349   | ug/l # | 12       |
| -----                         |                |      |            |          |        |          |

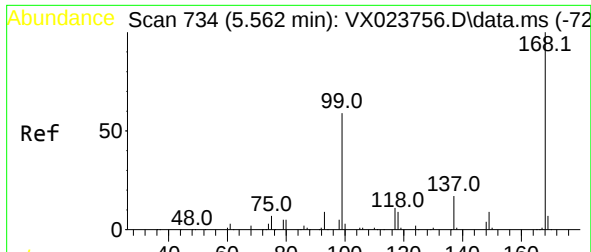
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082621\  
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Sample : M3535-13  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
WVLY-TB-GW-24AUG

Quant Time: Aug 27 05:56:53 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

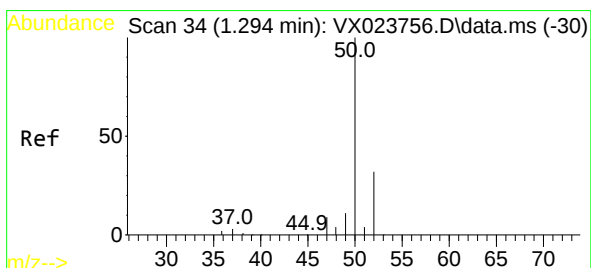
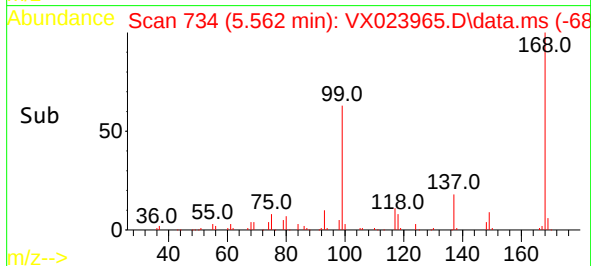
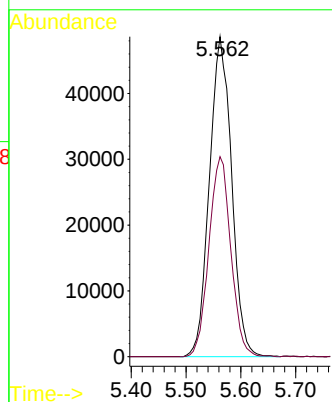
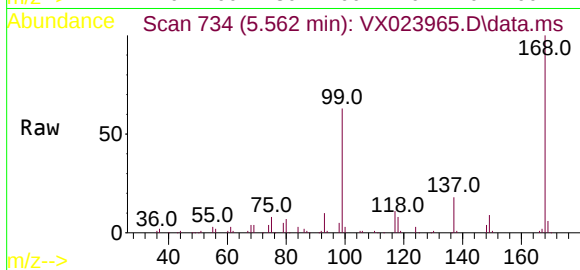




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

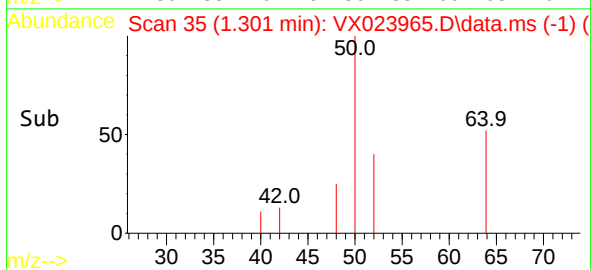
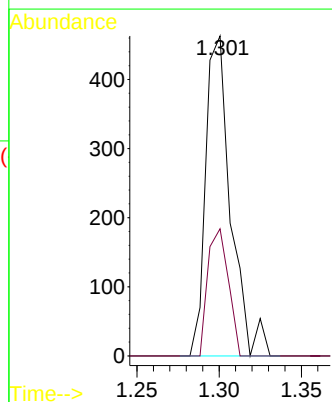
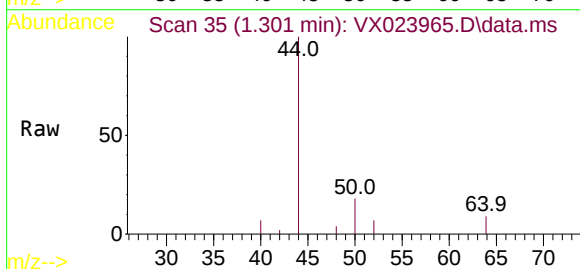
Instrument :  
MSVOA\_X  
ClientSampleId :  
WVLY-TB-GW-24AUG

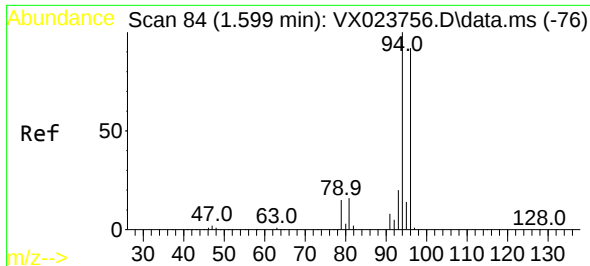
Tgt Ion:168 Resp: 136661  
Ion Ratio Lower Upper  
168 100  
99 62.5 45.8 68.6



#3  
Chloromethane  
Concen: 0.308 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

Tgt Ion: 50 Resp: 488  
Ion Ratio Lower Upper  
50 100  
52 39.7 26.4 39.6#

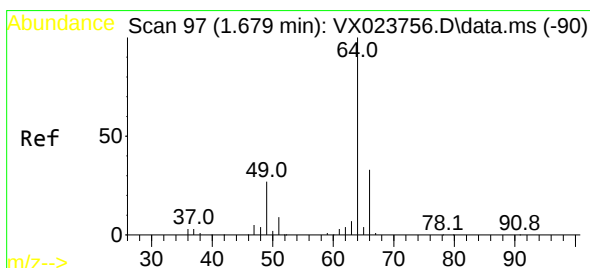
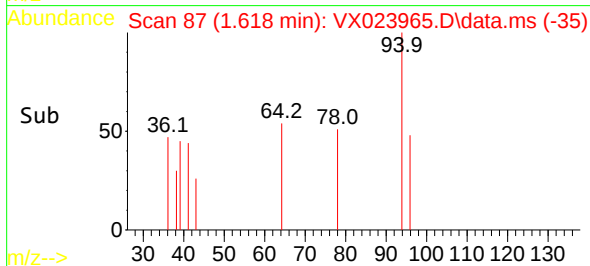
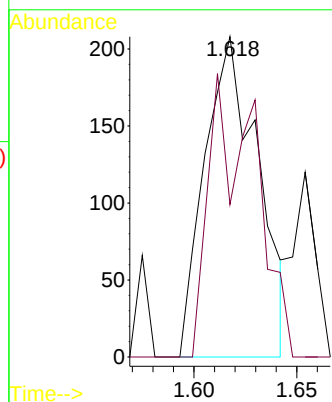
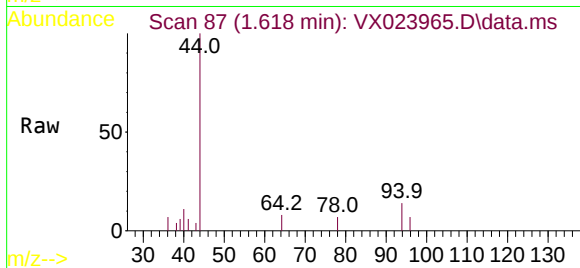




#5  
Bromomethane  
Concen: 0.386 ug/l  
RT: 1.618 min Scan# 87  
Delta R.T. 0.019 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

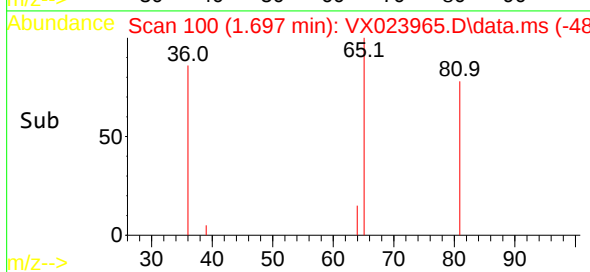
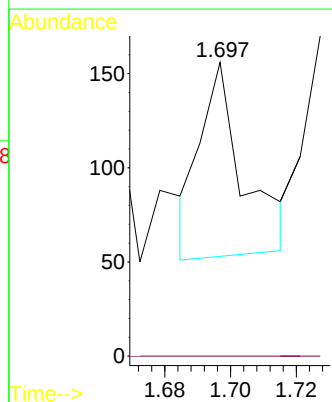
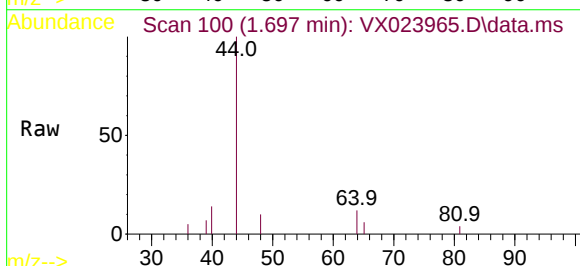
Instrument :  
MSVOA\_X  
ClientSampleId :  
WVLY-TB-GW-24AUG

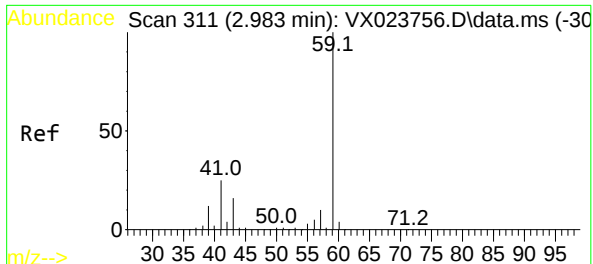
Tgt Ion: 94 Resp: 375  
Ion Ratio Lower Upper  
94 100  
96 47.6 76.4 114.6#



#6  
Chloroethane  
Concen: 2.287 ug/l  
RT: 1.697 min Scan# 100  
Delta R.T. 0.018 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

Tgt Ion: 64 Resp: 94  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#



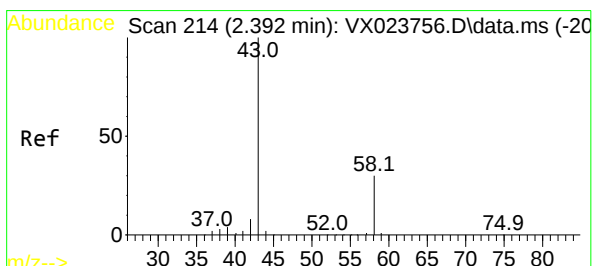
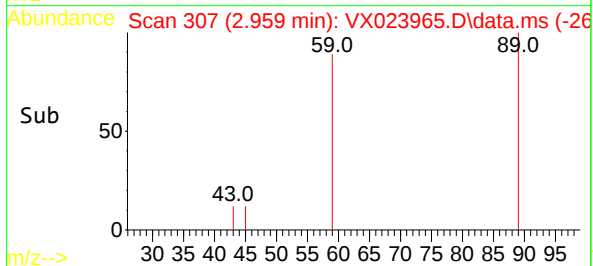
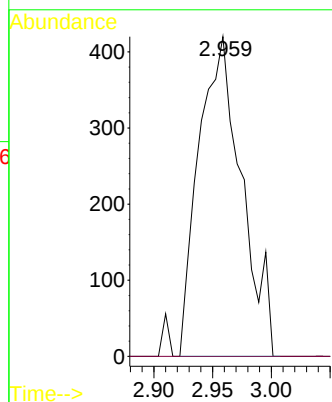
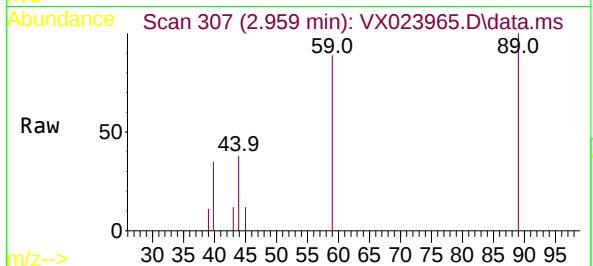


#11

Tert butyl alcohol  
Concen: 2.756 ug/l  
RT: 2.959 min Scan# 307  
Delta R.T. -0.024 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
WVLY-TB-GW-24AUG

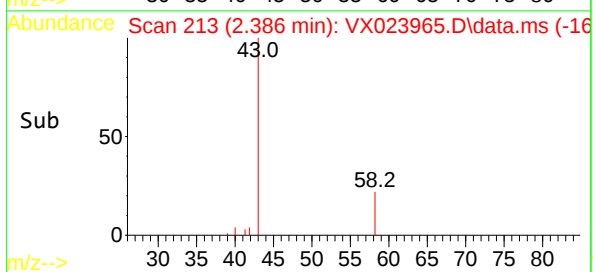
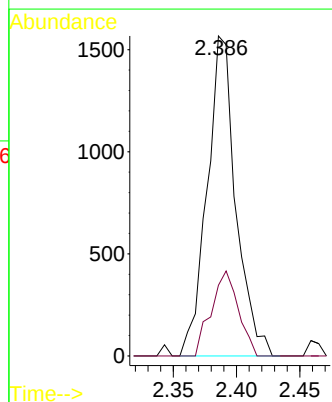
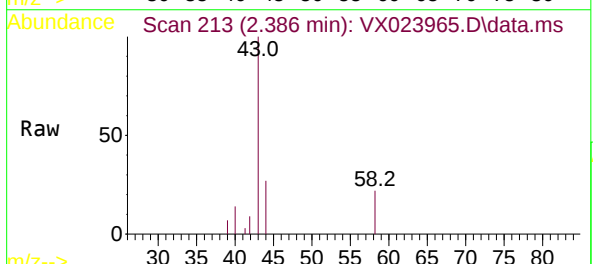
Tgt Ion: 59 Resp: 1063  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

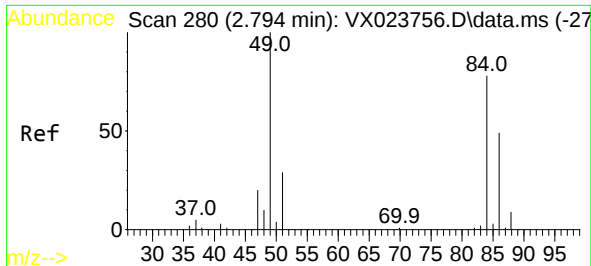


#16

Acetone  
Concen: 2.910 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

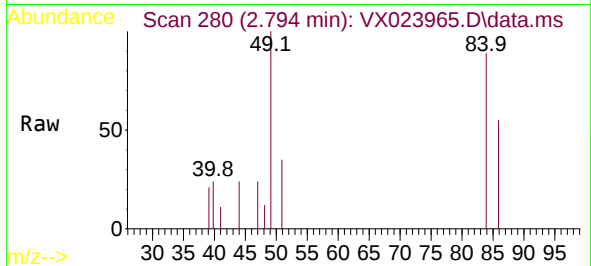
Tgt Ion: 43 Resp: 2482  
Ion Ratio Lower Upper  
43 100  
58 22.1 27.8 41.8#



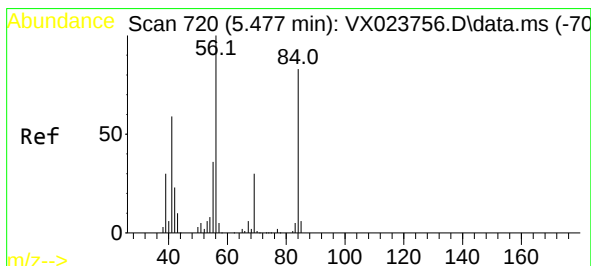
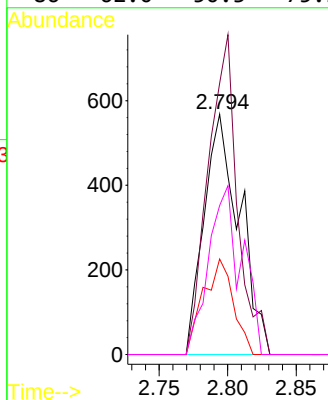
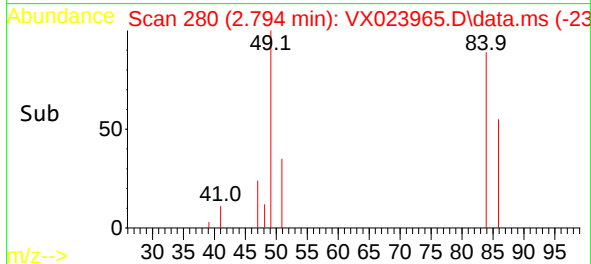


#20  
Methylene Chloride  
Concen: 0.632 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

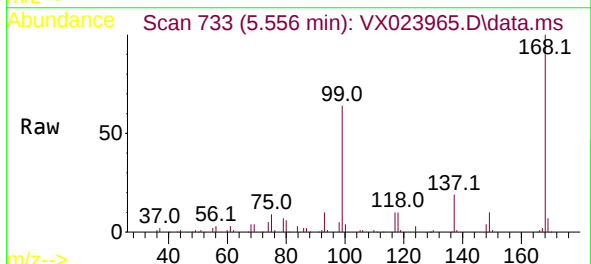
Instrument :  
MSVOA\_X  
ClientSampleId :  
WVLY-TB-GW-24AUG



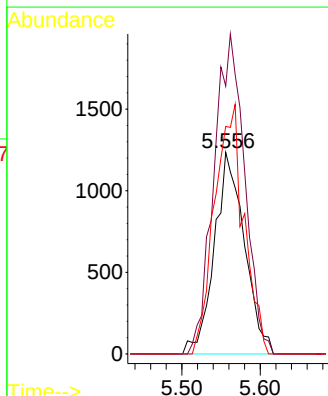
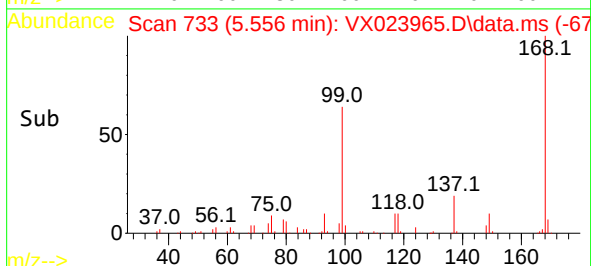
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1030  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 112.9 | 88.6  | 132.8 |
| 51       | 39.8  | 27.0  | 40.6  |
| 86       | 62.0  | 50.3  | 75.5  |

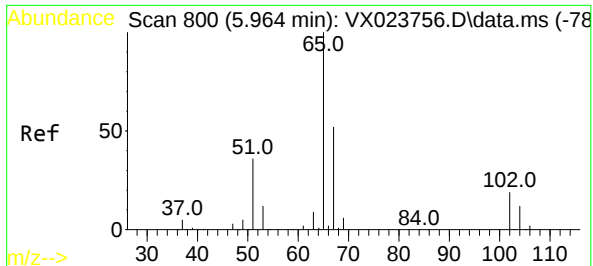


#31  
Cyclohexane  
Concen: 1.342 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.079 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 3288   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 132.9 | 25.3  | 37.9#  |
| 84       | 112.9 | 71.4  | 107.0# |



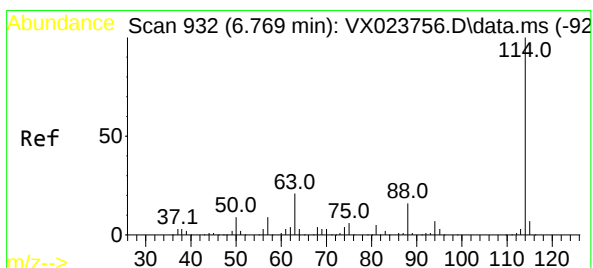
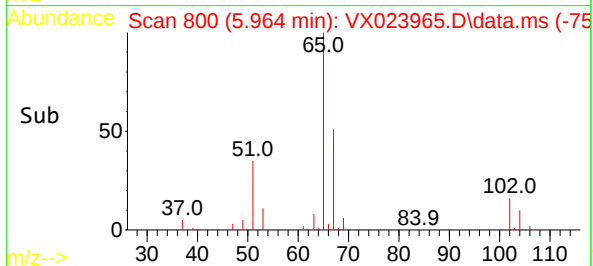
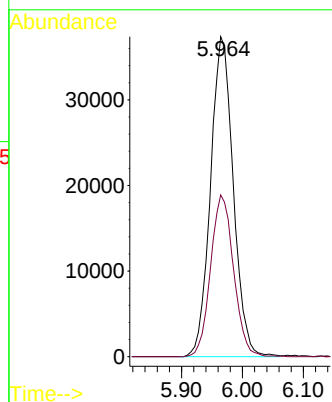
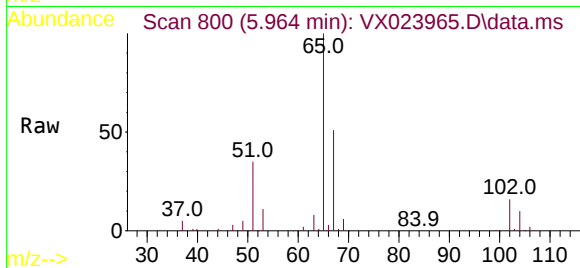


#33

1,2-Dichloroethane-d4  
Concen: 50.816 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

Instrument :  
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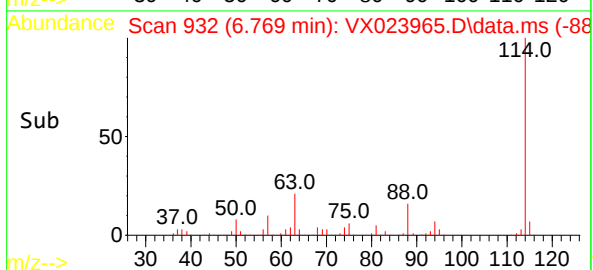
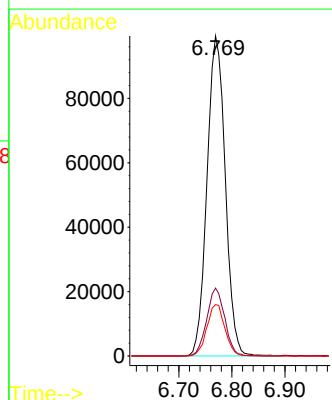
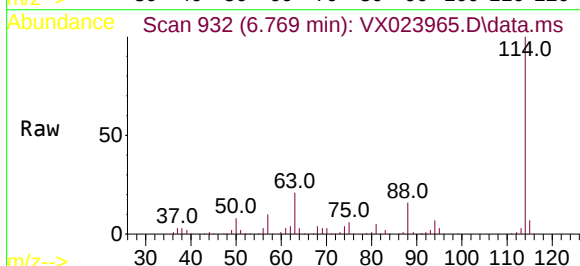
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Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 105.4

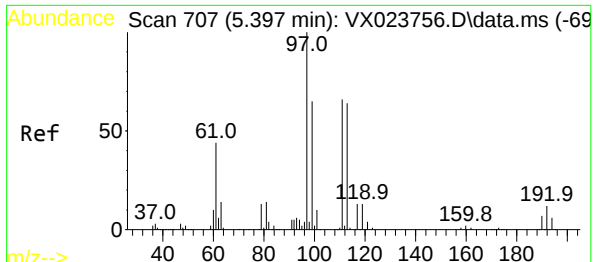


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

Tgt Ion: 114 Resp: 237460  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 40.8  
88 16.1 0.0 32.8

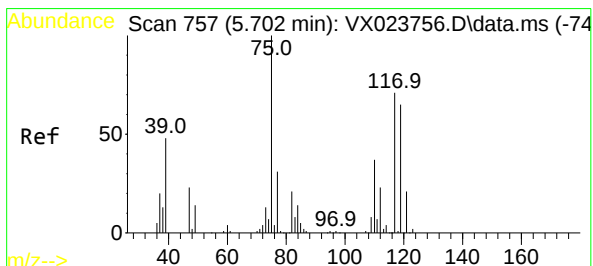
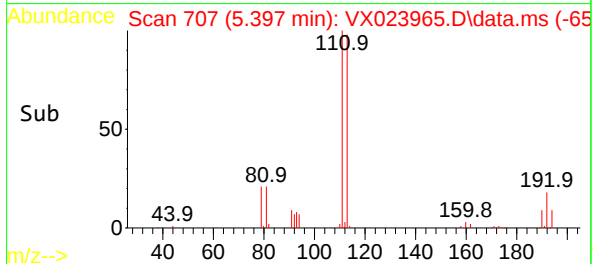
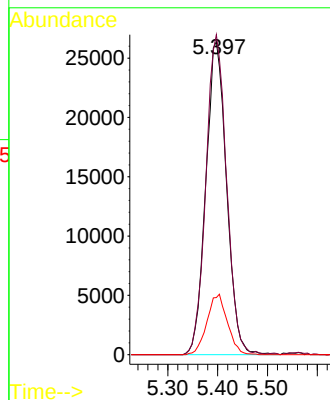
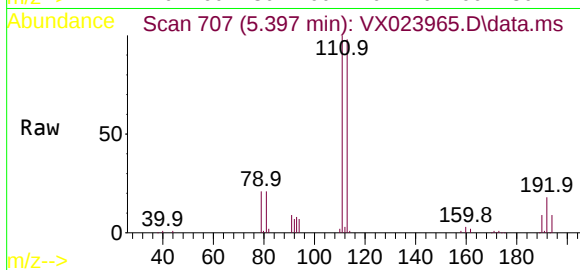




#35  
Dibromofluoromethane  
Concen: 48.484 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

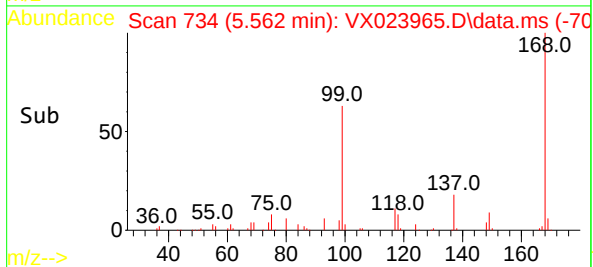
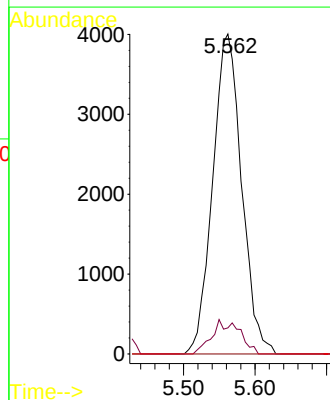
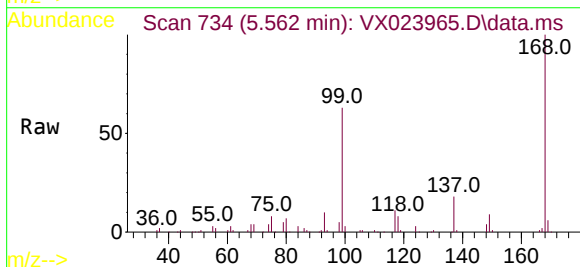
Instrument :  
MSVOA\_X  
ClientSampleId :  
WVLY-TB-GW-24AUG

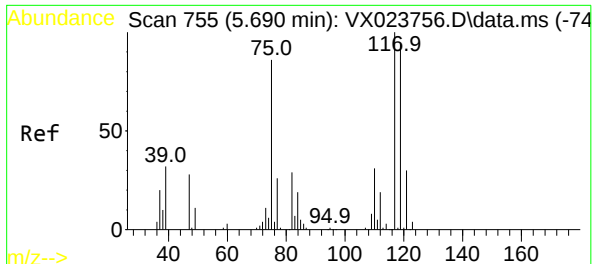
Tgt Ion:113 Resp: 76202  
Ion Ratio Lower Upper  
113 100  
111 102.2 81.9 122.9  
192 19.0 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 5.116 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

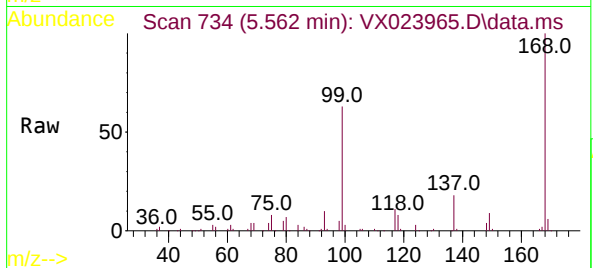
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Ion Ratio Lower Upper  
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110 5.9 18.1 54.4#  
77 0.0 25.3 37.9#



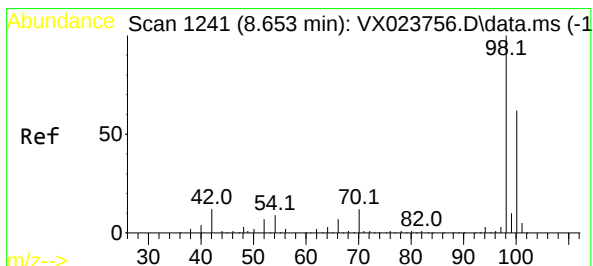
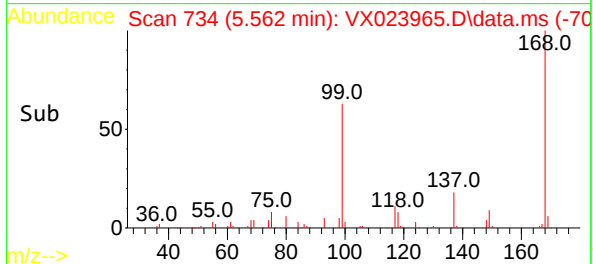
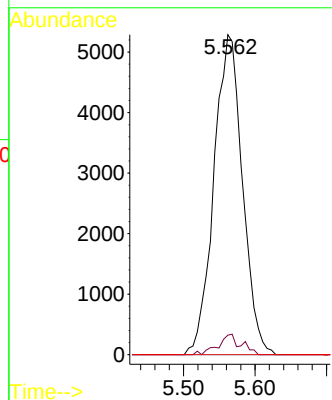


#38  
Carbon Tetrachloride  
Concen: 6.391 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.128 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

Instrument :  
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ClientSampleId :  
WVLY-TB-GW-24AUG

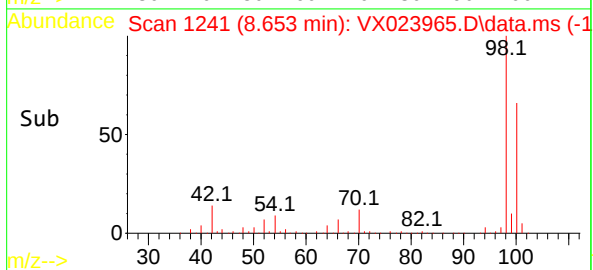
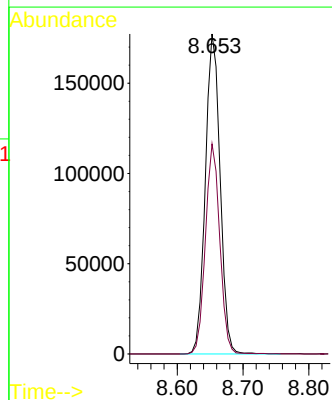
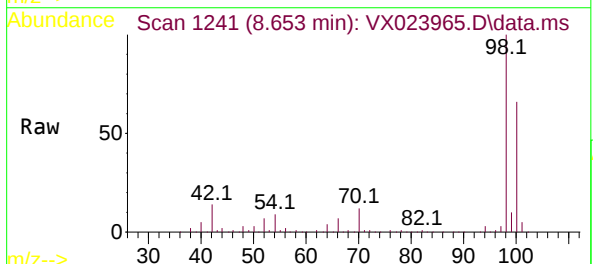


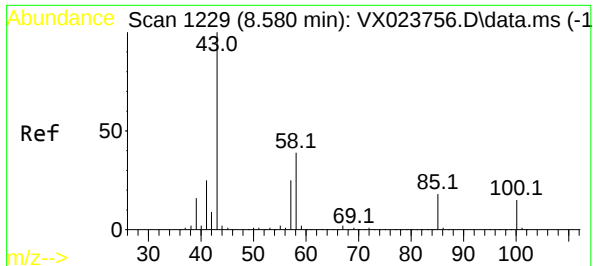
Tgt Ion:117 Resp: 14656  
Ion Ratio Lower Upper  
117 100  
119 6.1 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 46.259 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

Tgt Ion: 98 Resp: 276719  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.9 77.9

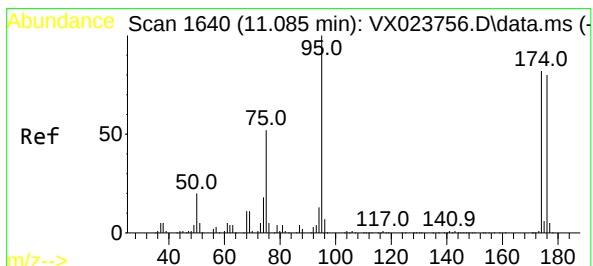
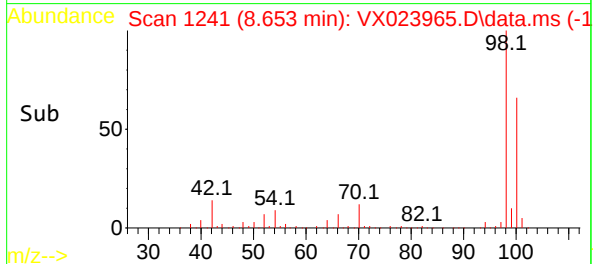
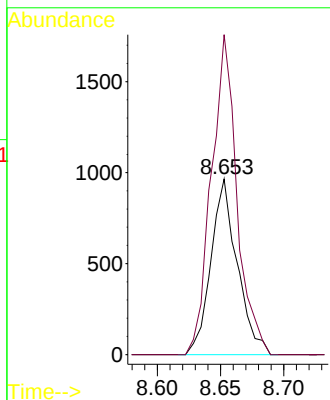
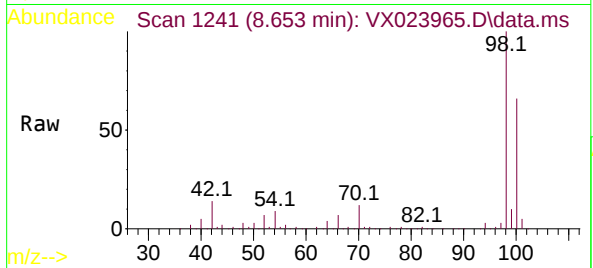




#51  
4-Methyl-2-Pentanone  
Concen: 0.511 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.073 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

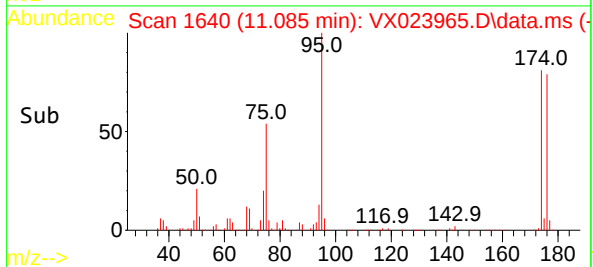
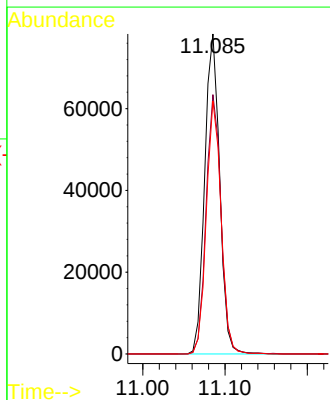
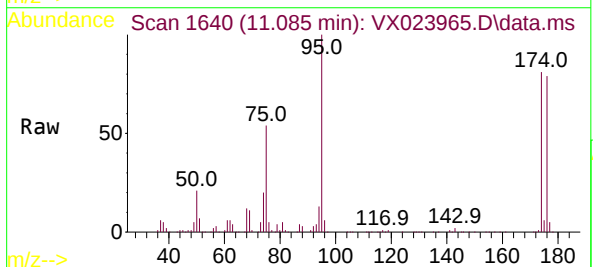
Instrument :  
MSVOA\_X  
ClientSampleId :  
WVLY-TB-GW-24AUG

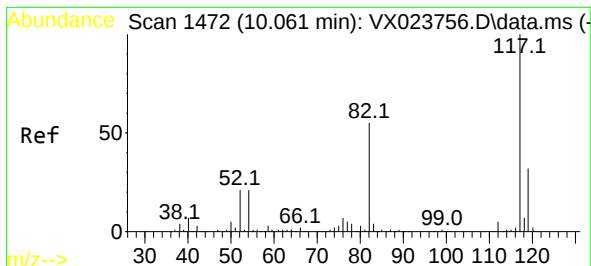
Tgt Ion: 43 Resp: 1398  
Ion Ratio Lower Upper  
43 100  
58 176.8 35.4 53.0#



#62  
4-Bromofluorobenzene  
Concen: 45.044 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

Tgt Ion: 95 Resp: 99191  
Ion Ratio Lower Upper  
95 100  
174 80.7 0.0 154.6  
176 77.7 0.0 155.8

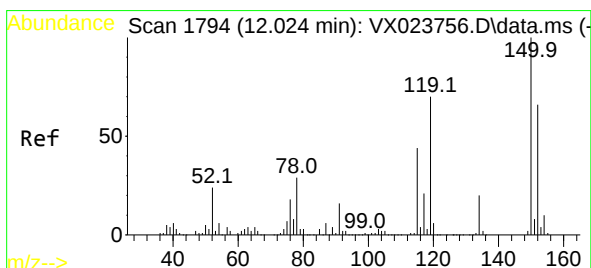
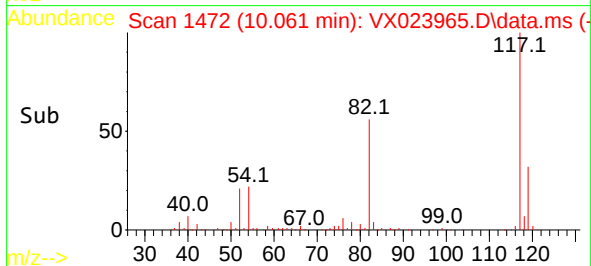
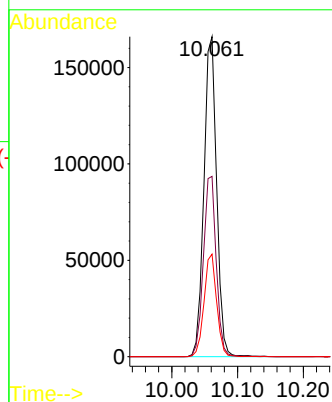
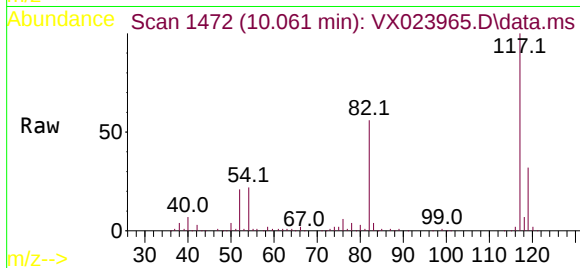




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

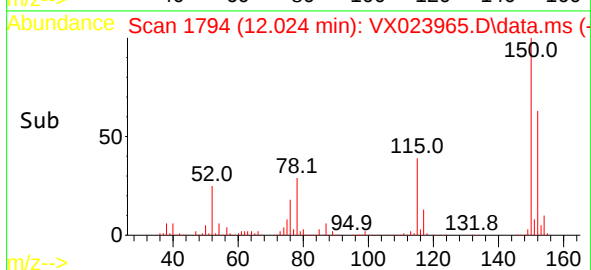
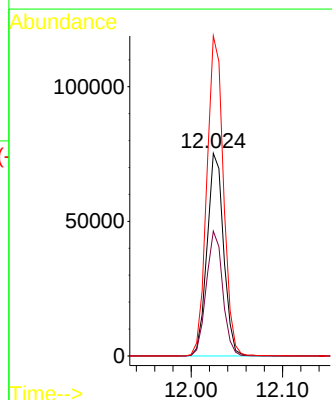
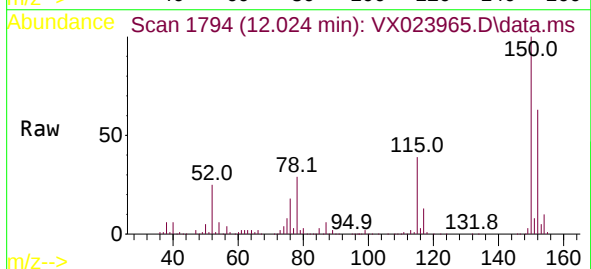
Instrument :  
MSVOA\_X  
ClientSampleId :  
WVLY-TB-GW-24AUG

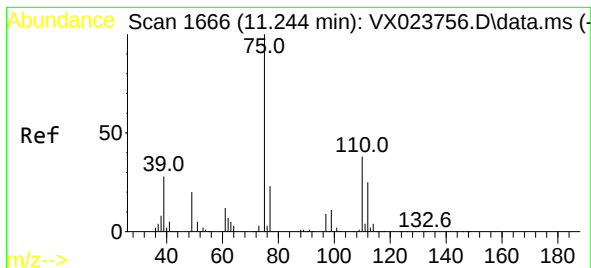
Tgt Ion:117 Resp: 223240  
Ion Ratio Lower Upper  
117 100  
82 56.4 47.4 71.2  
119 32.1 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

Tgt Ion:152 Resp: 94055  
Ion Ratio Lower Upper  
152 100  
115 61.3 41.1 123.3  
150 158.5 0.0 349.0

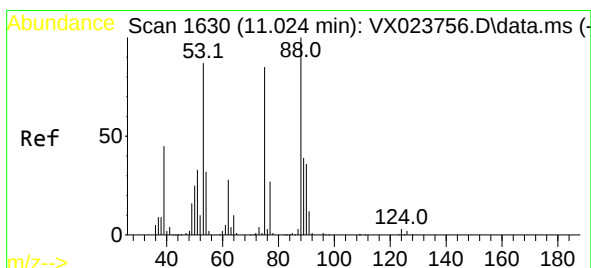
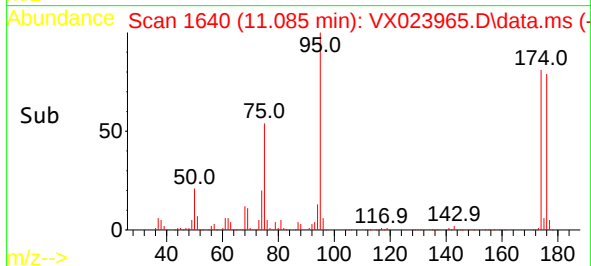
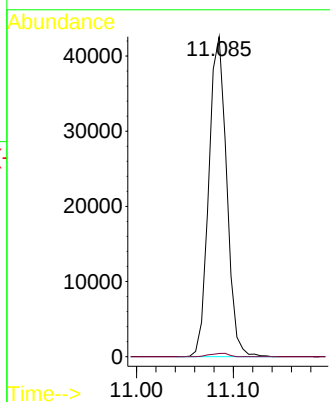
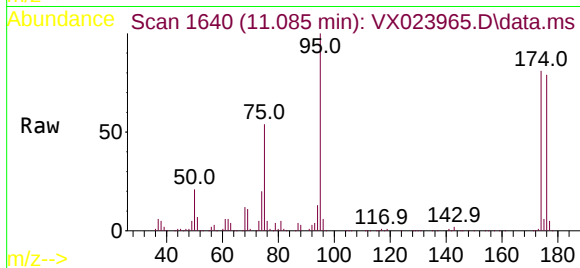




#76  
1,2,3-Trichloropropane  
Concen: 24.936 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
WVLY-TB-GW-24AUG

Tgt Ion: 75 Resp: 54710  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 73.349 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX023965.D  
Acq: 26 Aug 2021 15:09

Tgt Ion: 75 Resp: 54710  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#

