

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070621\  
 Data File : VX023142.D  
 Acq On : 06 Jul 2021 13:44  
 Operator : JC/MD  
 Sample : M2907-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-01-6.5-11.5-063021

Quant Time: Jul 07 02:51:17 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X070221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 02 14:29:42 2021  
 Response via : Initial Calibration

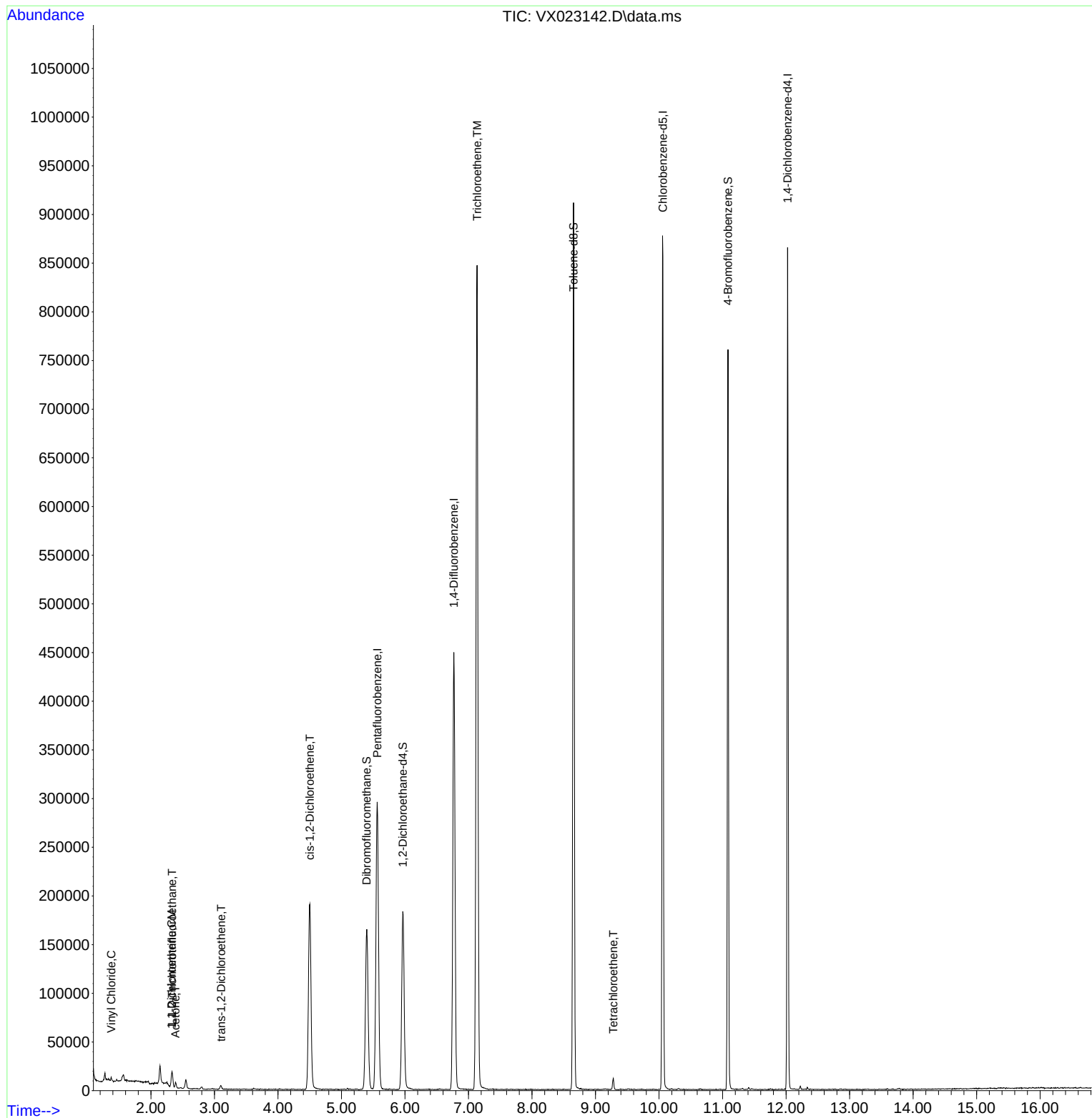
| Compound                     | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                        |           |                |          |            |        |          |
| Internal Standards           |           |                |          |            |        |          |
| 1) Pentafluorobenzene        | 5.562     | 168            | 275491   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769     | 114            | 451506   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.061    | 117            | 404799   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024    | 152            | 171488   | 50.000     | ug/l   | 0.00     |
|                              |           |                |          |            |        |          |
| System Monitoring Compounds  |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964     | 65             | 186797   | 50.450     | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range 78 - 117 | Recovery | = 100.900% |        |          |
| 35) Dibromofluoromethane     | 5.397     | 113            | 141462   | 48.518     | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range 75 - 124 | Recovery | = 97.040%  |        |          |
| 50) Toluene-d8               | 8.653     | 98             | 537030   | 49.377     | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range 92 - 112 | Recovery | = 98.760%  |        |          |
| 62) 4-Bromofluorobenzene     | 11.085    | 95             | 195697   | 46.608     | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range 83 - 123 | Recovery | = 93.220%  |        |          |
|                              |           |                |          |            |        |          |
| Target Compounds             |           |                |          |            |        | Qvalue   |
| 4) Vinyl Chloride            | 1.374     | 62             | 2200     | 0.841      | ug/l   | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331     | 101            | 5580     | 2.097      | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.325     | 96             | 1324     | 0.539      | ug/l   | 85       |
| 16) Acetone                  | 2.386     | 43             | 6062     | 4.138      | ug/l # | 87       |
| 21) trans-1,2-Dichloroethene | 3.105     | 96             | 1590     | 0.599      | ug/l # | 86       |
| 27) cis-1,2-Dichloroethene   | 4.501     | 96             | 123409   | 38.416     | ug/l   | 91       |
| 44) Trichloroethene          | 7.135     | 130            | 321907   | 97.103     | ug/l   | 99       |
| 64) Tetrachloroethene        | 9.281     | 164            | 1964     | 0.608      | ug/l   | 91       |
| -----                        |           |                |          |            |        |          |

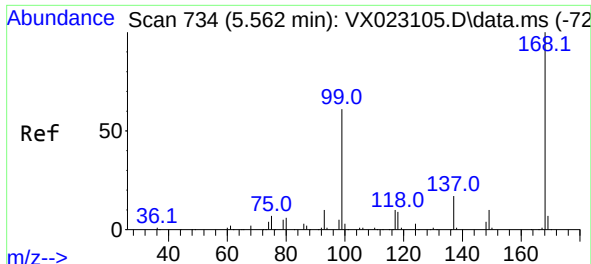
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-01-6.5-11.5-063021

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Quant Title : SW846 8260  
QLast Update : Fri Jul 02 14:29:42 2021  
Response via : Initial Calibration

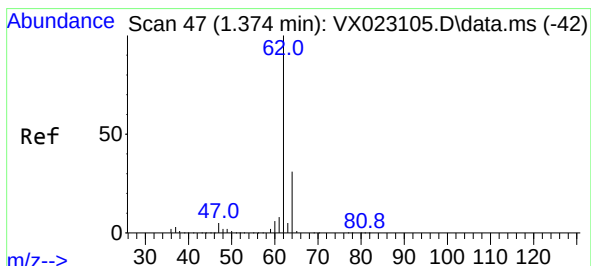
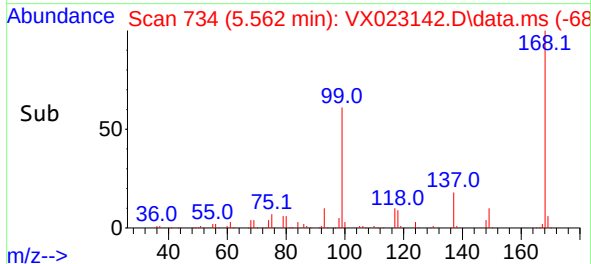
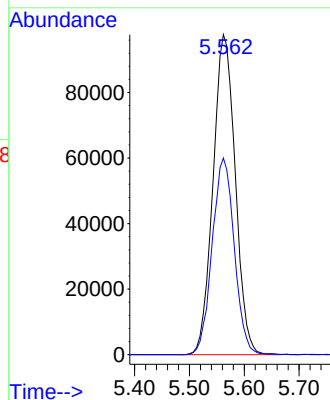
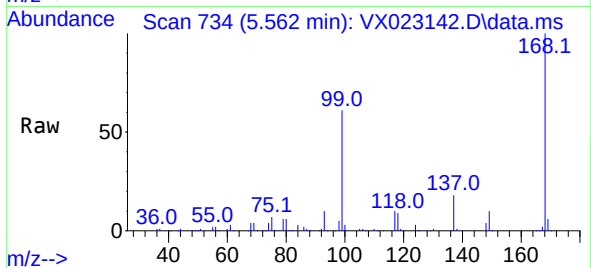




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

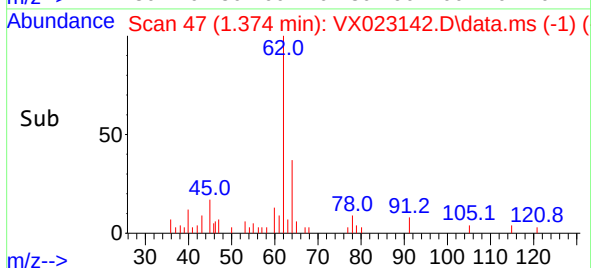
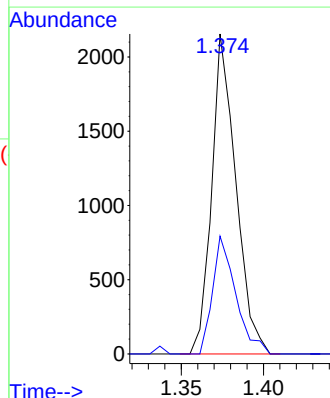
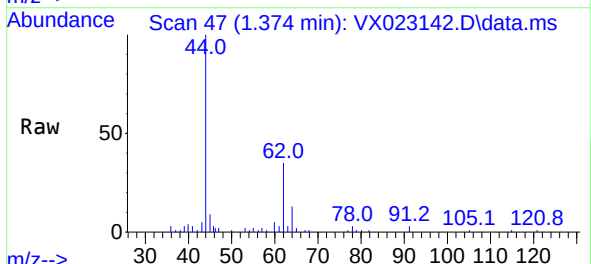
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01-6.5-11.5-063021

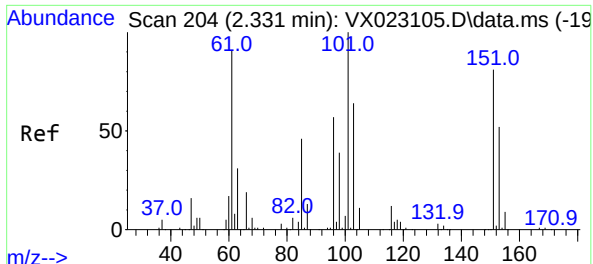
Tgt Ion:168 Resp: 275491  
Ion Ratio Lower Upper  
168 100  
99 61.4 45.8 68.6



#4  
Vinyl Chloride  
Concen: 0.841 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

Tgt Ion: 62 Resp: 2200  
Ion Ratio Lower Upper  
62 100  
64 36.8 25.7 38.5

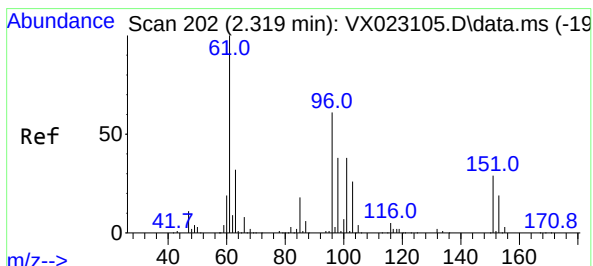
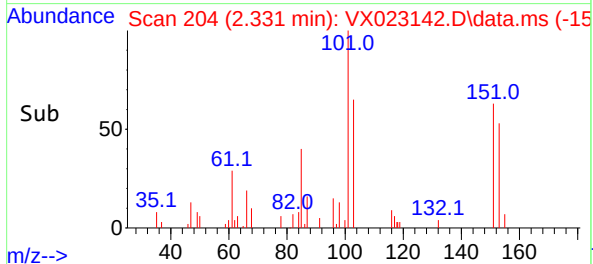
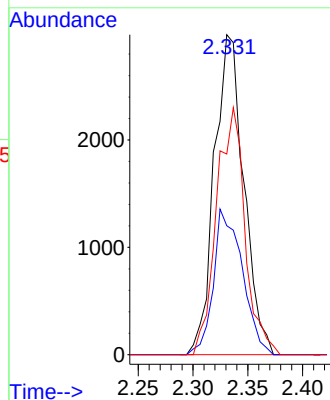
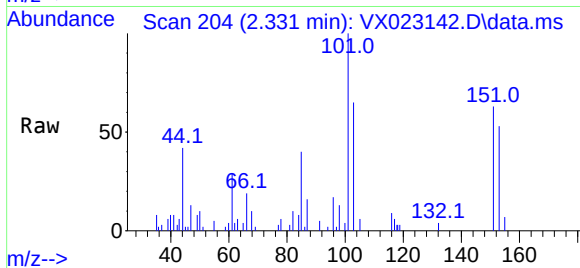




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.097 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. -0.000 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

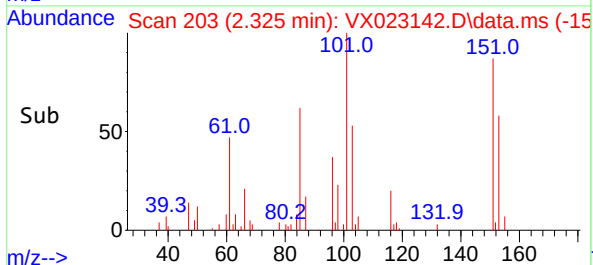
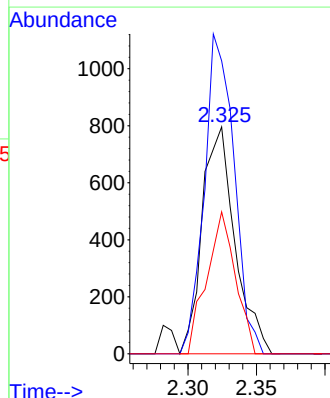
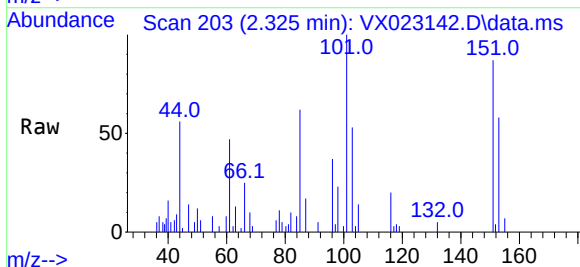
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01-6.5-11.5-063021

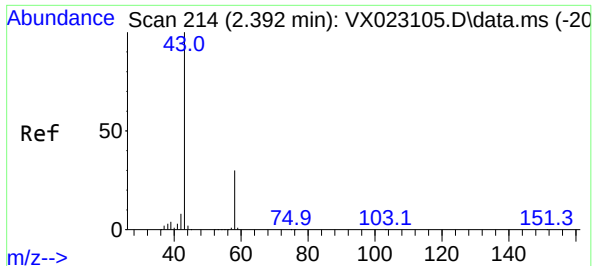
Tgt Ion:101 Resp: 5580  
Ion Ratio Lower Upper  
101 100  
85 44.4 34.9 52.3  
151 74.5 61.4 92.2



#12  
1,1-Dichloroethene  
Concen: 0.539 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.006 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

Tgt Ion: 96 Resp: 1324  
Ion Ratio Lower Upper  
96 100  
61 129.1 124.6 187.0  
98 62.6 50.6 76.0

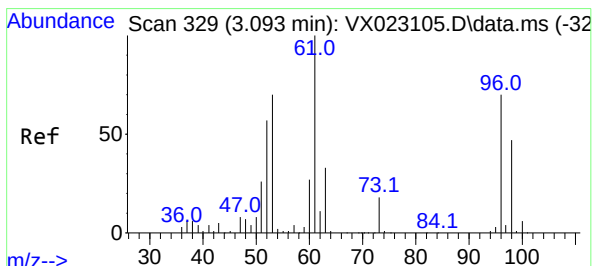
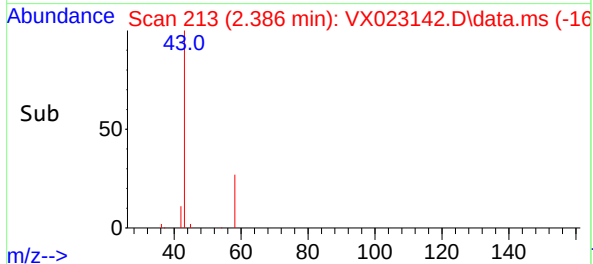
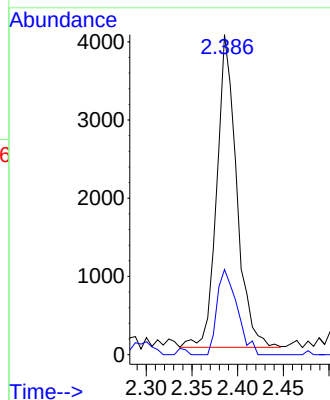
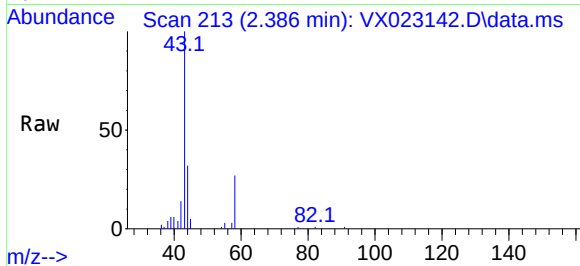




#16  
Acetone  
Concen: 4.138 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

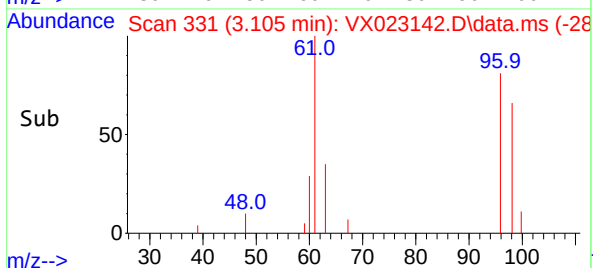
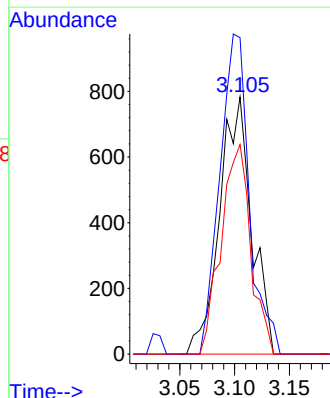
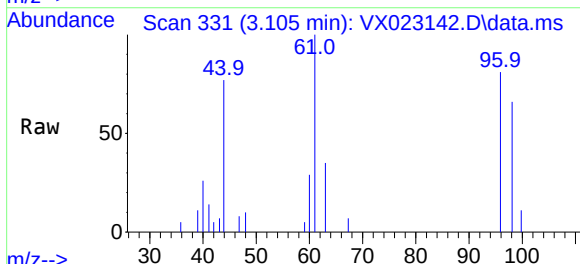
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01-6.5-11.5-063021

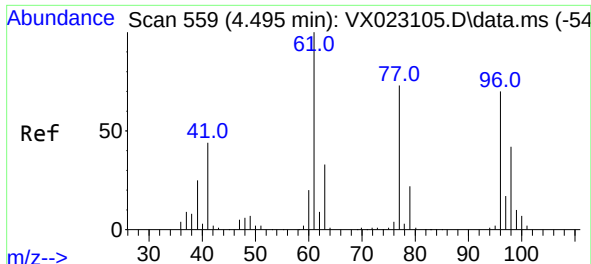
Tgt Ion: 43 Resp: 6062  
Ion Ratio Lower Upper  
43 100  
58 27.2 27.8 41.8#



#21  
trans-1,2-Dichloroethene  
Concen: 0.599 ug/l  
RT: 3.105 min Scan# 331  
Delta R.T. 0.012 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

Tgt Ion: 96 Resp: 1590  
Ion Ratio Lower Upper  
96 100  
61 123.1 107.7 161.5  
98 81.5 50.4 75.6#



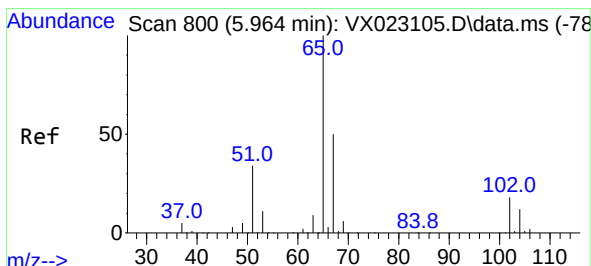
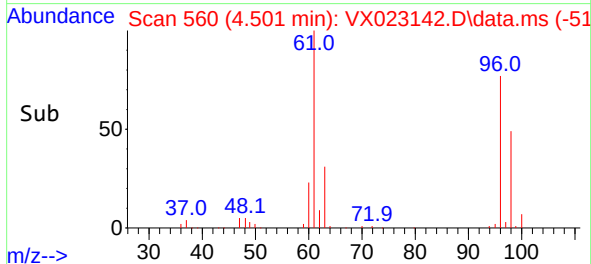
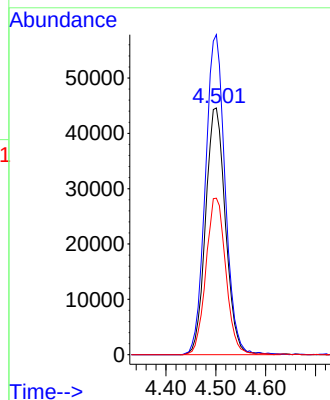
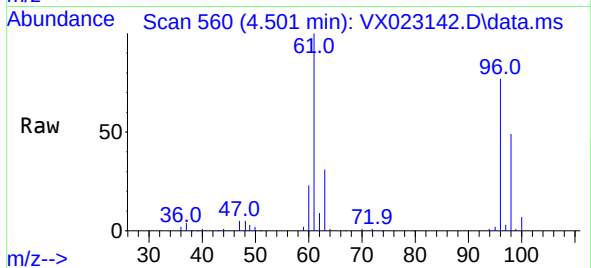


#27

cis-1,2-Dichloroethene  
Concen: 38.416 ug/l  
RT: 4.501 min Scan# 560  
Delta R.T. 0.006 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01-6.5-11.5-063021

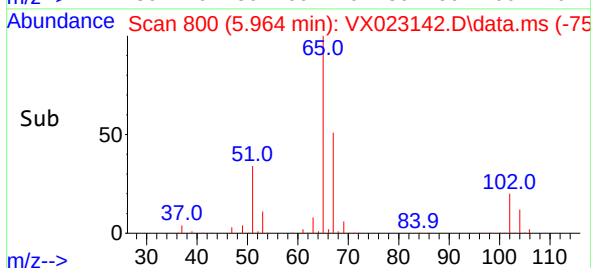
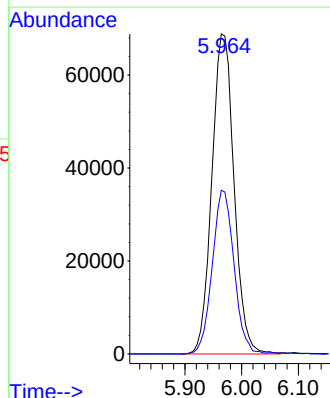
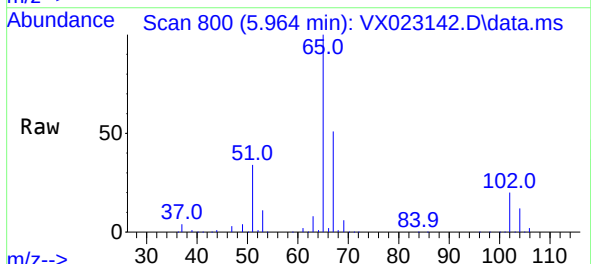
Tgt Ion: 96 Resp: 123409  
Ion Ratio Lower Upper  
96 100  
61 128.2 0.0 285.6  
98 63.6 0.0 129.6

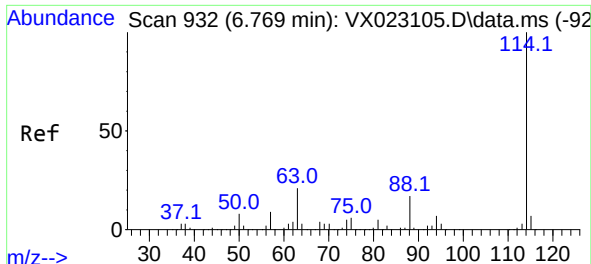


#33

1,2-Dichloroethane-d4  
Concen: 50.450 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

Tgt Ion: 65 Resp: 186797  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 105.4

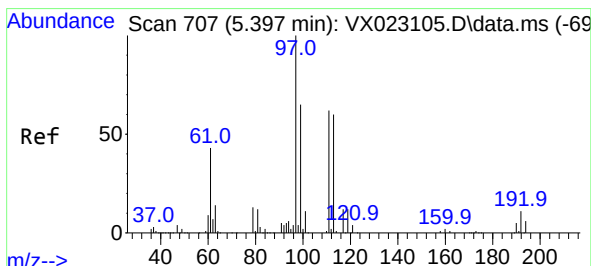
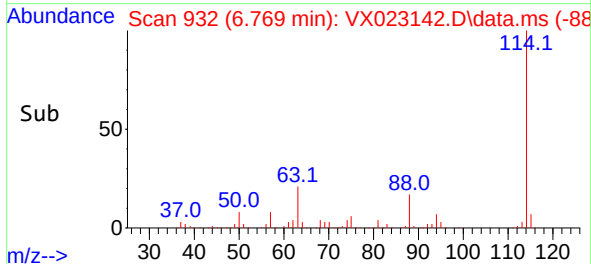
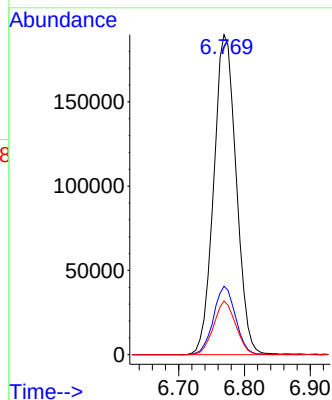
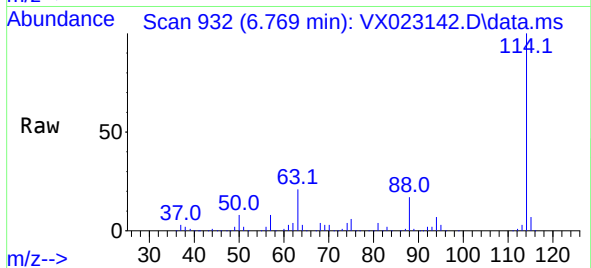




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

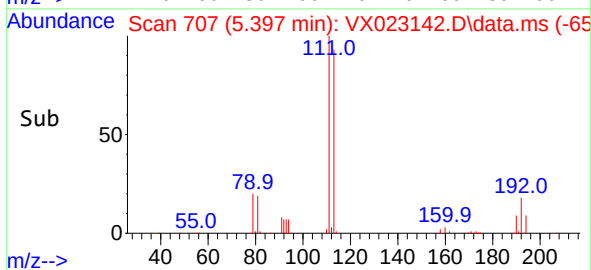
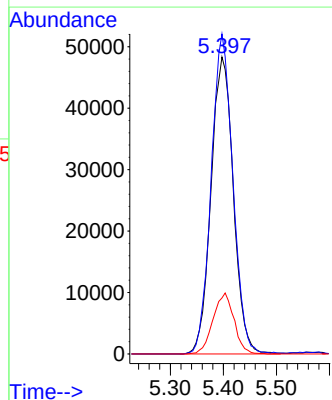
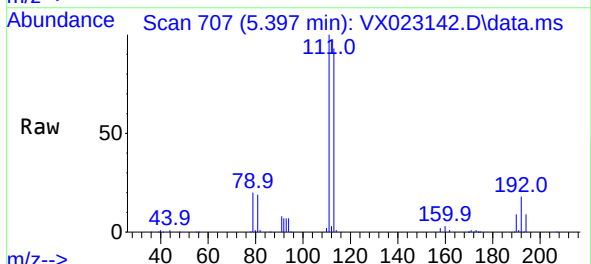
Instrument :  
MSVOA\_X  
ClientSampleId :  
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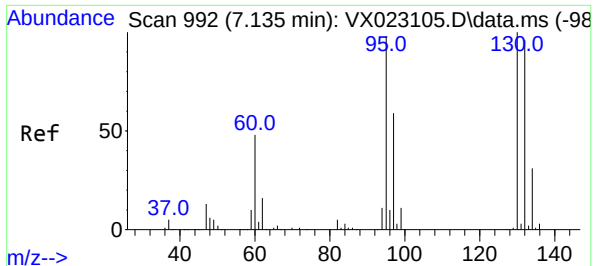
Tgt Ion:114 Resp: 451506  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 40.8  
88 16.8 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 48.518 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

Tgt Ion:113 Resp: 141462  
Ion Ratio Lower Upper  
113 100  
111 104.4 81.9 122.9  
192 19.3 16.7 25.1

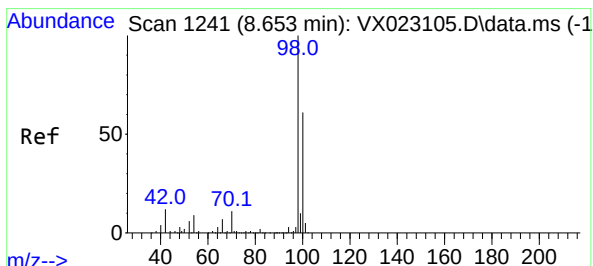
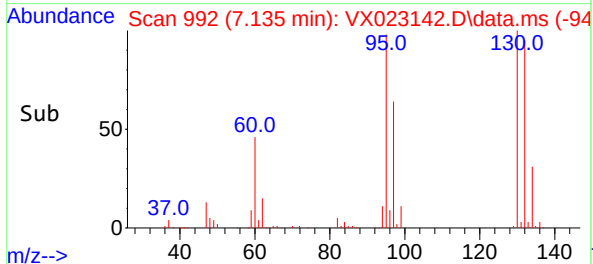
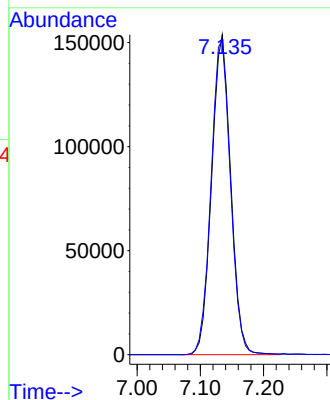
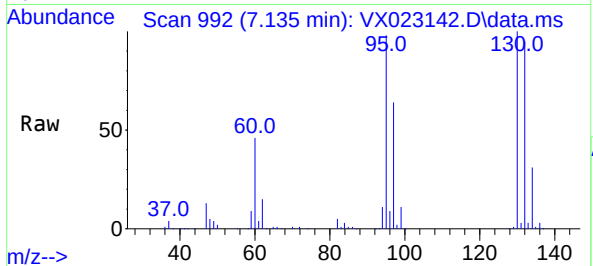




#44  
Trichloroethene  
Concen: 97.103 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. -0.000 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

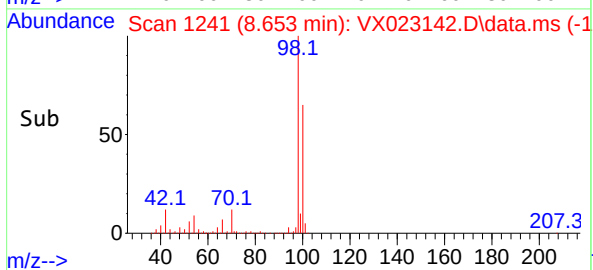
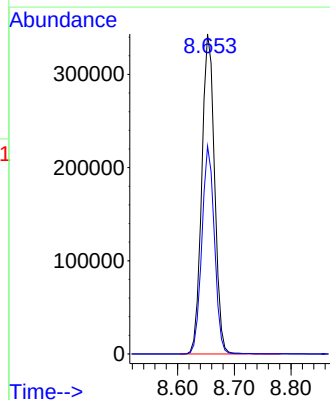
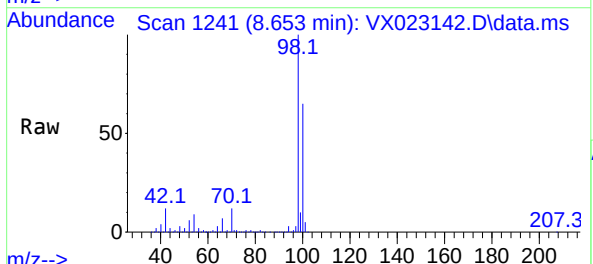
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MSVOA\_X  
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MW-01-6.5-11.5-063021

Tgt Ion:130 Resp: 321907  
Ion Ratio Lower Upper  
130 100  
95 98.4 0.0 198.0

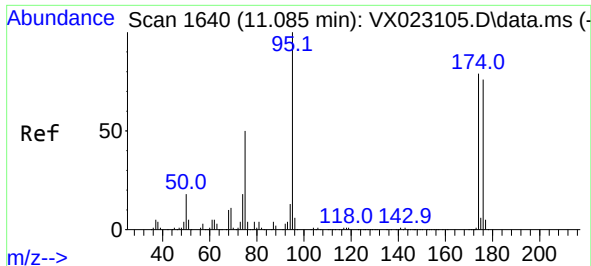


#50  
Toluene-d8  
Concen: 49.377 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

Tgt Ion: 98 Resp: 537030  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.9 77.9



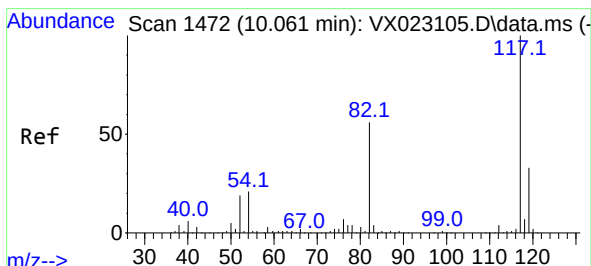
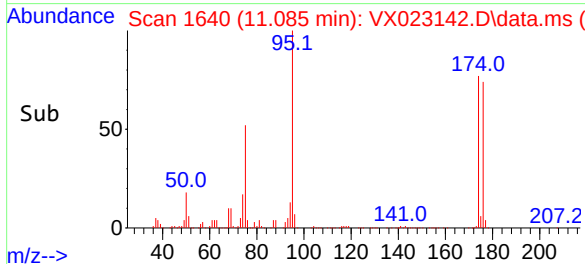
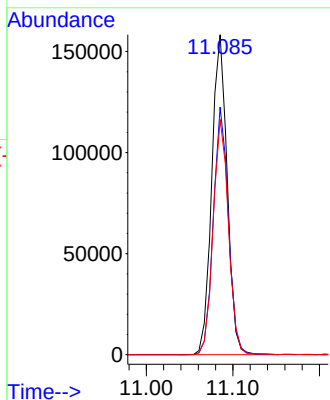
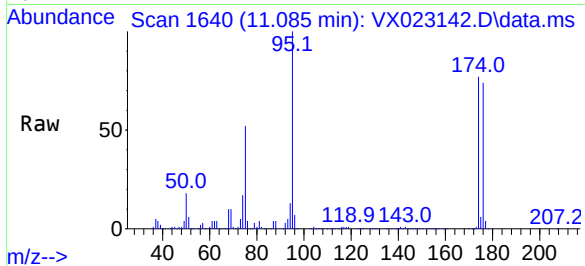




#62  
4-Bromofluorobenzene  
Concen: 46.608 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

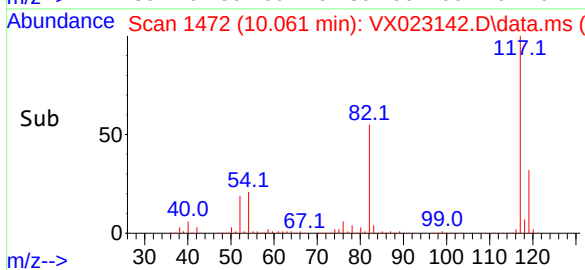
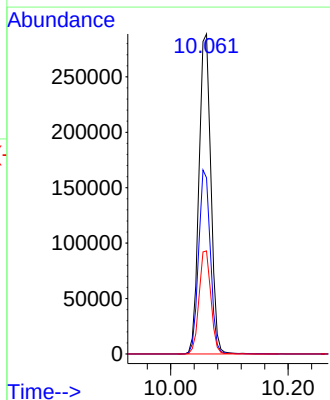
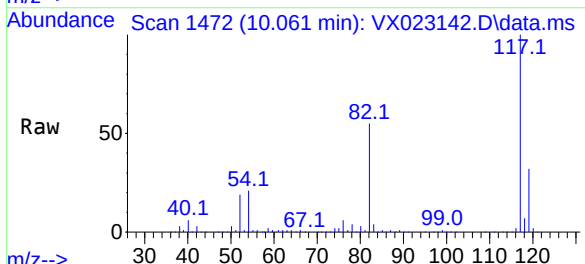
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01-6.5-11.5-063021

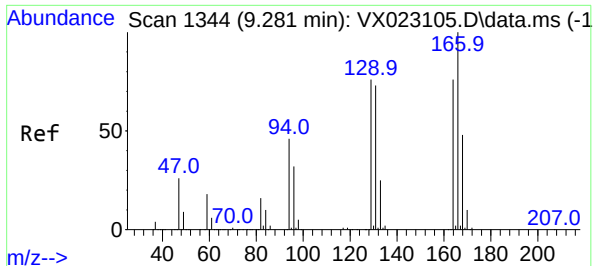
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 195697 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 75.7  | 0.0   | 154.6  |
| 176      | 73.2  | 0.0   | 155.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

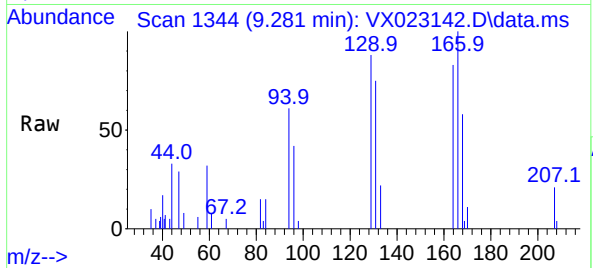
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 404799 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 55.0  | 47.4  | 71.2   |
| 119      | 32.2  | 26.6  | 39.8   |





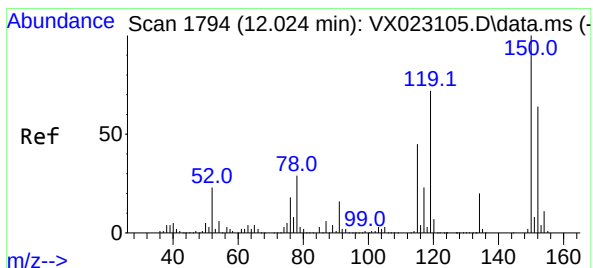
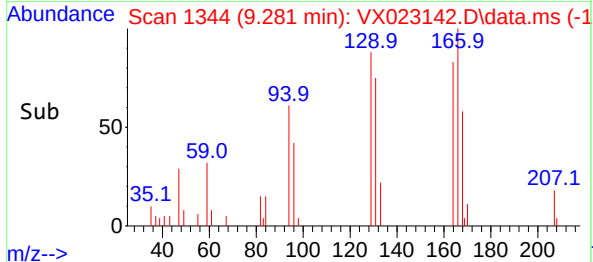
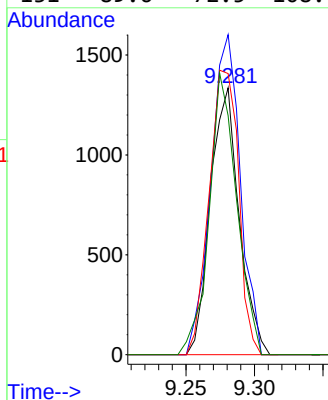
#64  
Tetrachloroethene  
Concen: 0.608 ug/l  
RT: 9.281 min Scan# 1344  
Delta R.T. -0.000 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01-6.5-11.5-063021



Tgt Ion:164 Resp: 1964

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 119.9 | 103.4 | 155.2 |
| 129 | 105.3 | 70.8  | 106.2 |
| 131 | 89.6  | 72.5  | 108.7 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX023142.D  
Acq: 06 Jul 2021 13:44

Tgt Ion:152 Resp: 171488

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 61.8  | 41.1  | 123.3 |
| 150 | 155.4 | 0.0   | 349.0 |

