

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060121\  
 Data File : VX022320.D  
 Acq On : 02 Jun 2021 03:34  
 Operator : JC/MD  
 Sample : M2572-04 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 15BR-20210528

Quant Time: Jun 02 05:34:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 19 14:23:10 2021  
 Response via : Initial Calibration

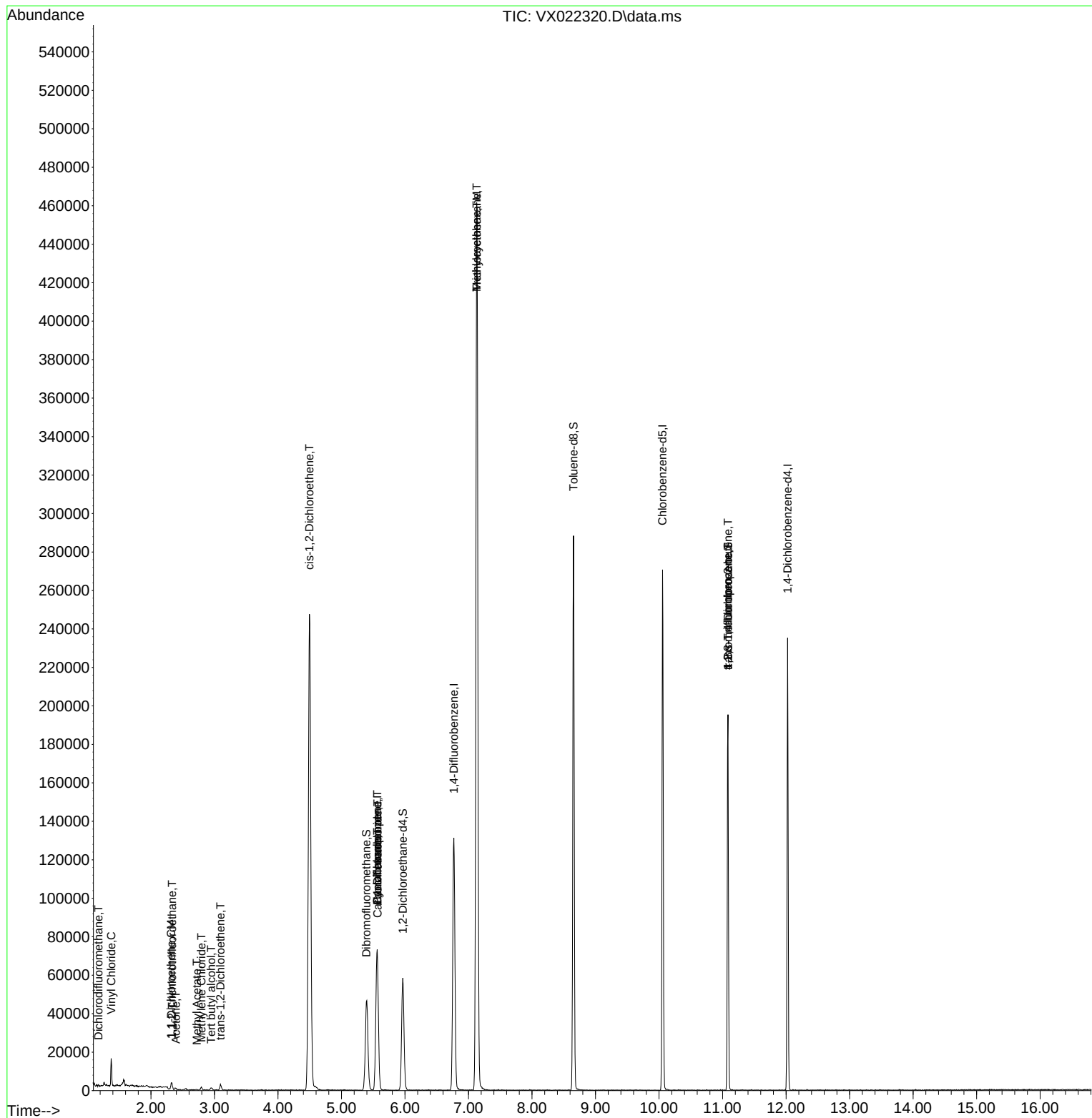
| Compound                      | R.T.           | QIon | Response           | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|--------|--------|----------|
| -----                         |                |      |                    |        |        |          |
| Internal Standards            |                |      |                    |        |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 63099              | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 134805             | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 113871             | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 42423              | 50.00  | ug/l   | 0.00     |
|                               |                |      |                    |        |        |          |
| System Monitoring Compounds   |                |      |                    |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 53485              | 54.95  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 109.90% |        |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 40319              | 47.16  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 94.32%  |        |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 165315             | 50.20  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 100.40% |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 54123              | 44.47  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 88.94%  |        |        |          |
|                               |                |      |                    |        |        |          |
| Target Compounds              |                |      |                    |        | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.172          | 85   | 819                | 1.07   | ug/l   | 84       |
| 4) Vinyl Chloride             | 1.374          | 62   | 8706               | 9.94   | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.331          | 101  | 662                | 0.89   | ug/l   | 96       |
| 11) Tert butyl alcohol        | 2.947          | 59   | 594                | 2.67   | ug/l # | 73       |
| 12) 1,1-Dichloroethene        | 2.319          | 96   | 897                | 1.24   | ug/l # | 81       |
| 16) Acetone                   | 2.392          | 43   | 1097               | 2.59   | ug/l # | 60       |
| 18) Methyl Acetate            | 2.721          | 43   | 313                | 0.28   | ug/l # | 47       |
| 20) Methylene Chloride        | 2.794          | 84   | 609                | 0.65   | ug/l # | 68       |
| 21) trans-1,2-Dichloroethene  | 3.093          | 96   | 1103               | 1.40   | ug/l   | 93       |
| 27) cis-1,2-Dichloroethene    | 4.495          | 96   | 150073             | 156.88 | ug/l   | 90       |
| 31) Cyclohexane               | 5.562          | 56   | 1676               | 1.37   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.562          | 75   | 5863               | 4.70   | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.568          | 117  | 7539               | 6.18   | ug/l # | 16       |
| 39) Methylcyclohexane         | 7.129          | 83   | 2231               | 1.58   | ug/l # | 1        |
| 44) Trichloroethene           | 7.129          | 130  | 165210             | 173.34 | ug/l   | 93       |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 28602              | 27.33  | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 28602              | 64.75  | ug/l # | 12       |
| -----                         |                |      |                    |        |        |          |

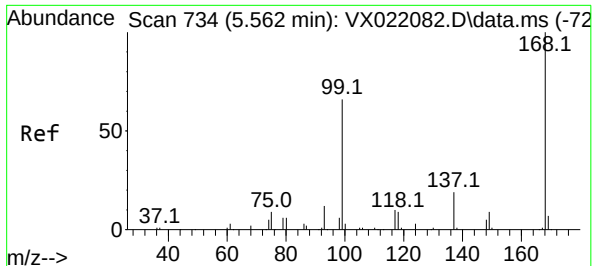
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060121\  
Data File : VX022320.D  
Acq On : 02 Jun 2021 03:34  
Operator : JC/MD  
Sample : M2572-04 20X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20210528

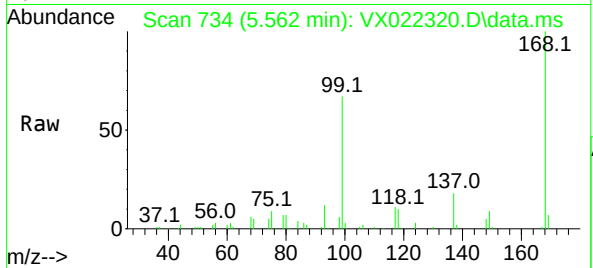
Quant Time: Jun 02 05:34:44 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 19 14:23:10 2021  
Response via : Initial Calibration



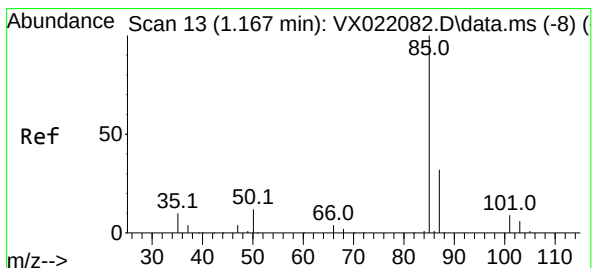
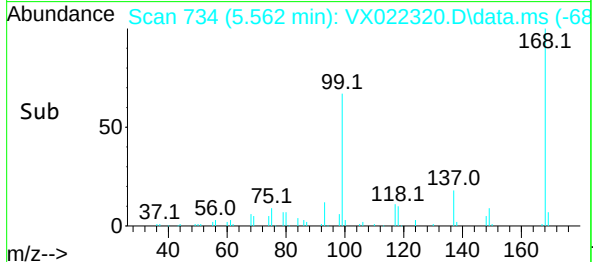
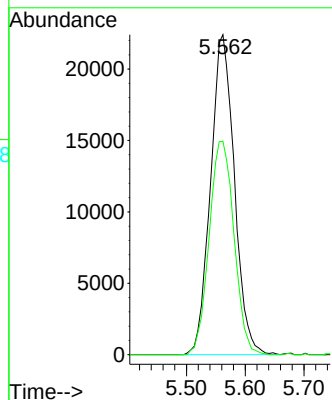


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20210528

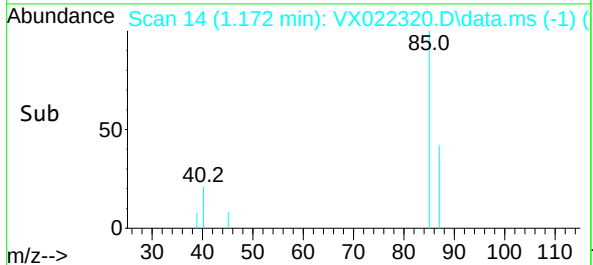
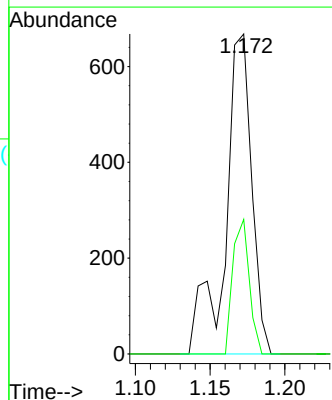
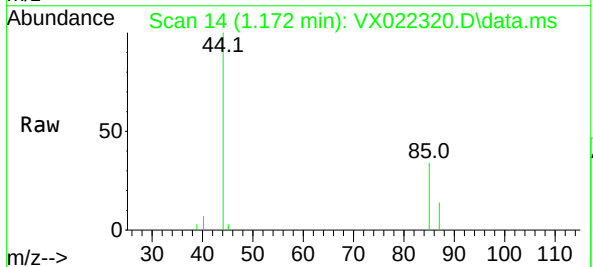


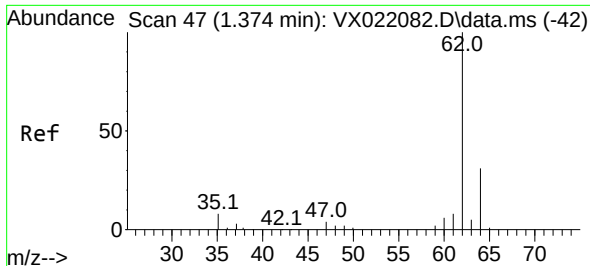
Tgt Ion:168 Resp: 63099  
Ion Ratio Lower Upper  
168 100  
99 66.7 45.8 68.6



#2  
Dichlorodifluoromethane  
Concen: 1.07 ug/l  
RT: 1.172 min Scan# 14  
Delta R.T. 0.005 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

Tgt Ion: 85 Resp: 819  
Ion Ratio Lower Upper  
85 100  
87 42.1 16.4 49.2



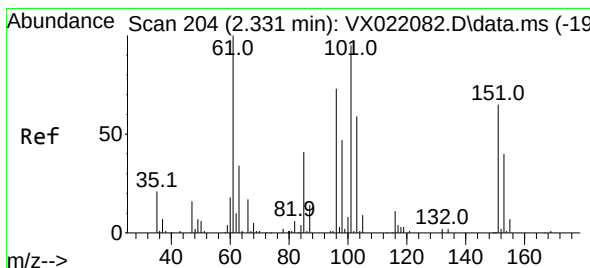
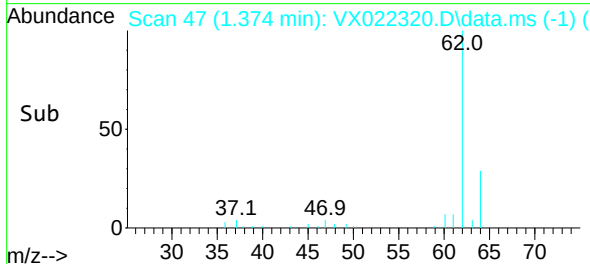
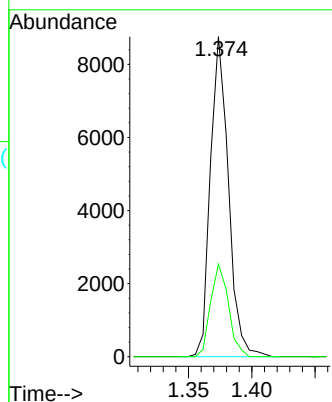
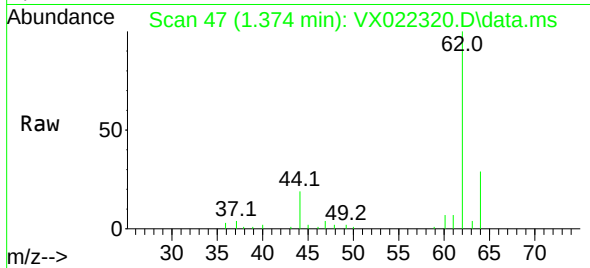


#4  
 Vinyl Chloride  
 Concen: 9.94 ug/l  
 RT: 1.374 min Scan# 47  
 Delta R.T. -0.000 min  
 Lab File: VX022320.D  
 Acq: 02 Jun 2021 03:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 15BR-20210528

Tgt Ion: 62 Resp: 8706  

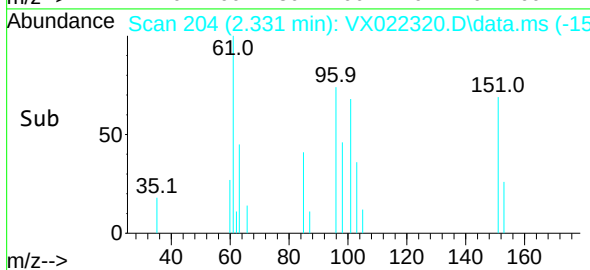
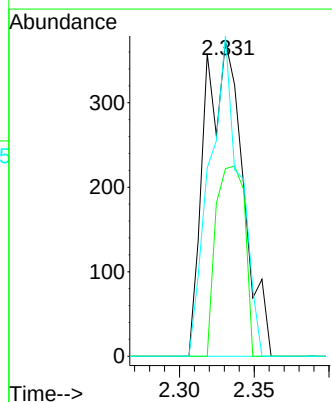
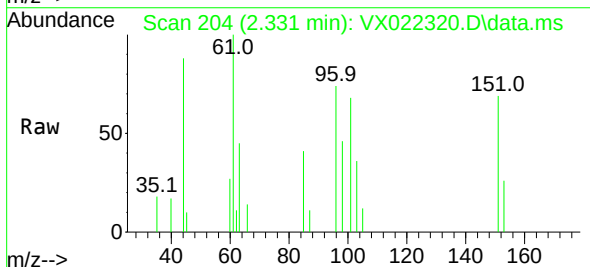
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 64  | 28.9  | 25.7  | 38.5  |

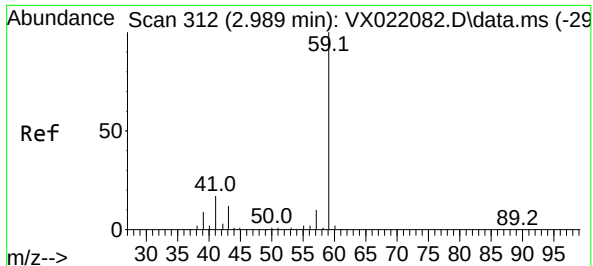


#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.89 ug/l  
 RT: 2.331 min Scan# 204  
 Delta R.T. -0.000 min  
 Lab File: VX022320.D  
 Acq: 02 Jun 2021 03:34

Tgt Ion: 101 Resp: 662  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 101 | 100   |       |       |
| 85  | 45.6  | 34.9  | 52.3  |
| 151 | 80.7  | 61.4  | 92.2  |



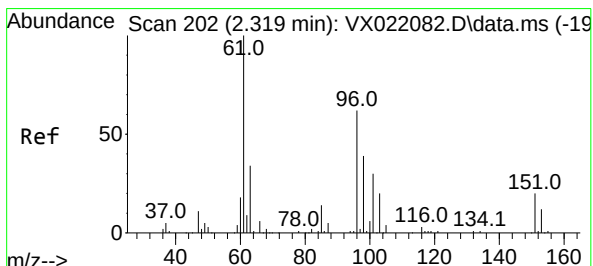
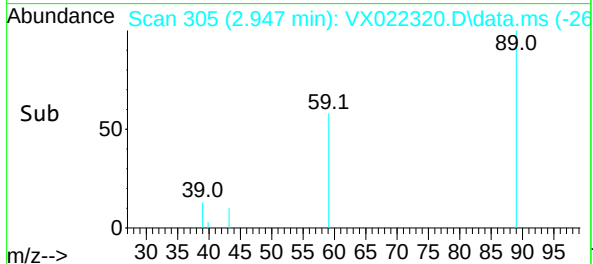
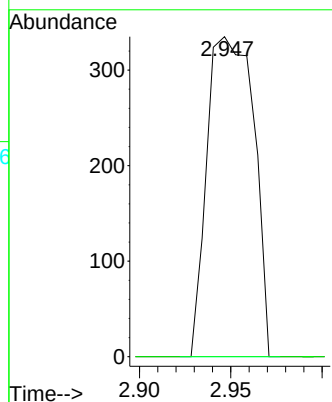
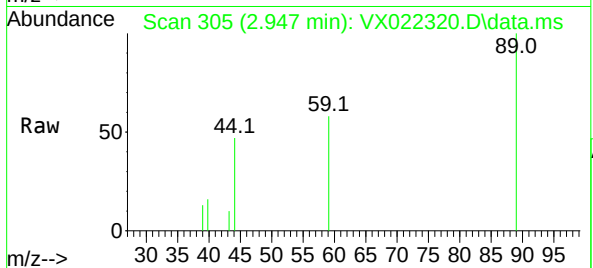


#11

Tert butyl alcohol  
Concen: 2.67 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.042 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20210528

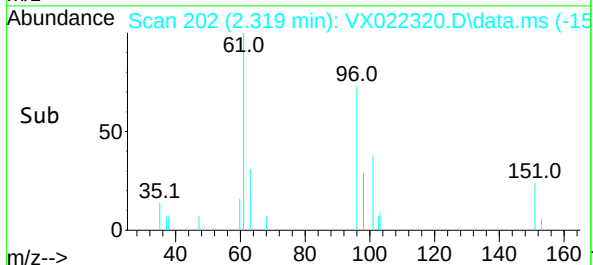
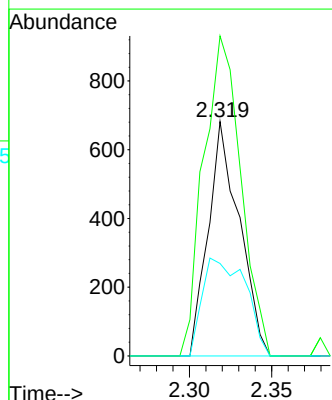
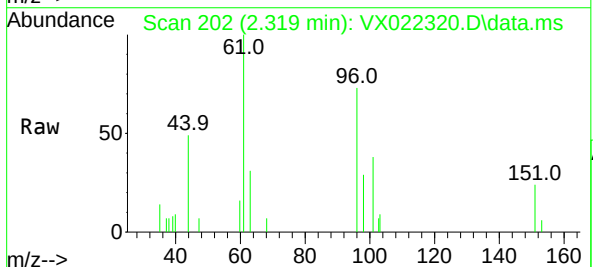
Tgt Ion: 59 Resp: 594  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

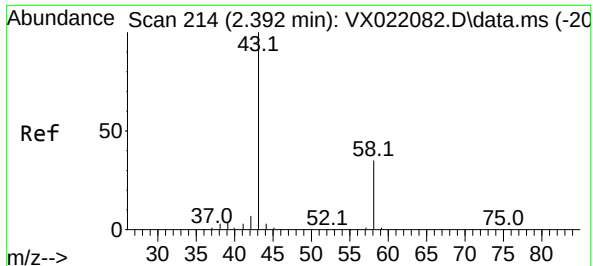


#12

1,1-Dichloroethene  
Concen: 1.24 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

Tgt Ion: 96 Resp: 897  
Ion Ratio Lower Upper  
96 100  
61 136.5 124.6 187.0  
98 39.4 50.6 76.0#

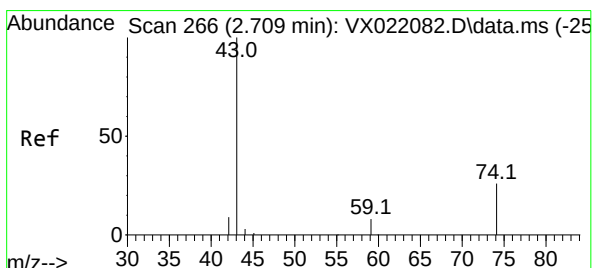
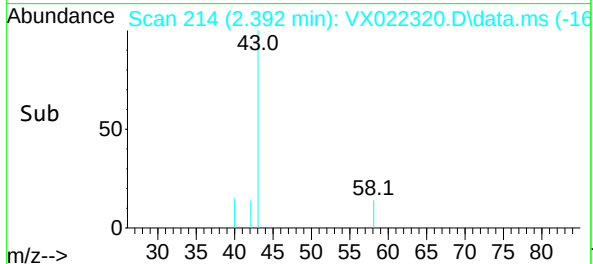
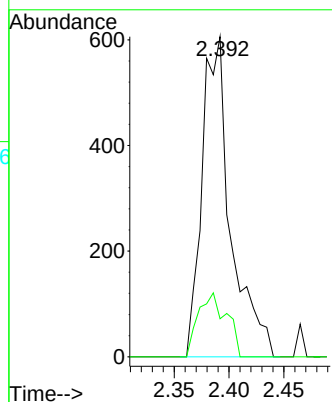
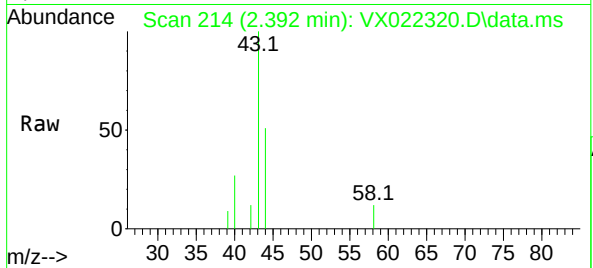




#16  
Acetone  
Concen: 2.59 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

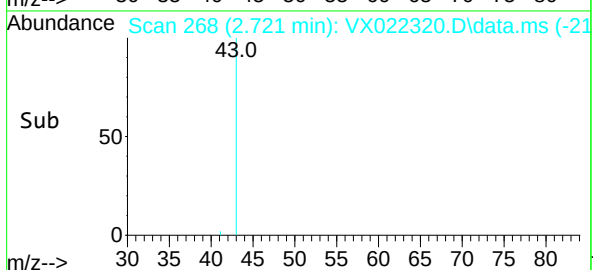
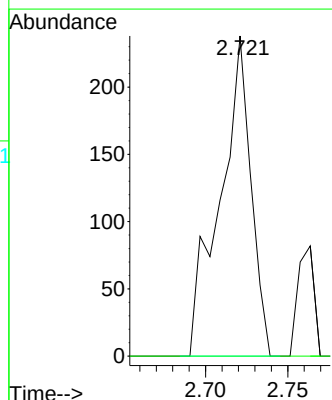
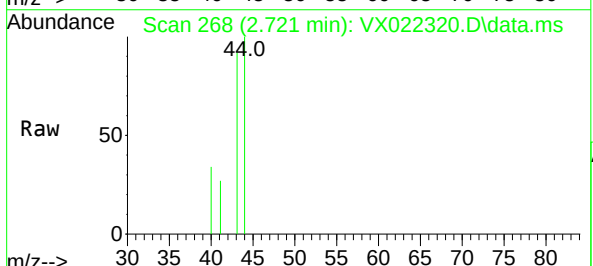
Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20210528

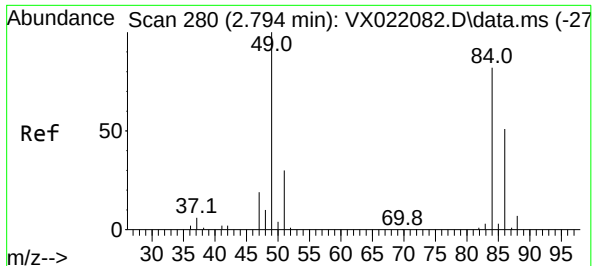
Tgt Ion: 43 Resp: 1097  
Ion Ratio Lower Upper  
43 100  
58 11.9 27.8 41.8#



#18  
Methyl Acetate  
Concen: 0.28 ug/l  
RT: 2.721 min Scan# 268  
Delta R.T. 0.012 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

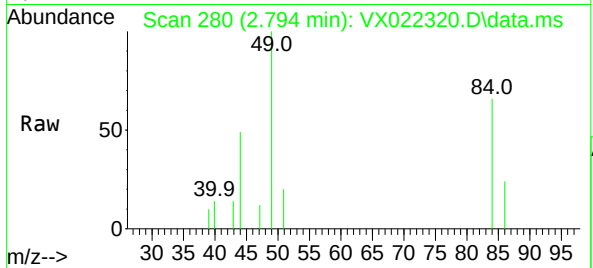
Tgt Ion: 43 Resp: 313  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.9 32.9#





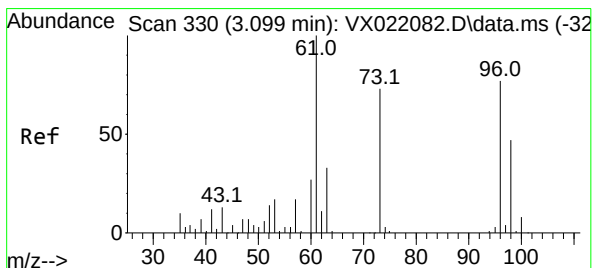
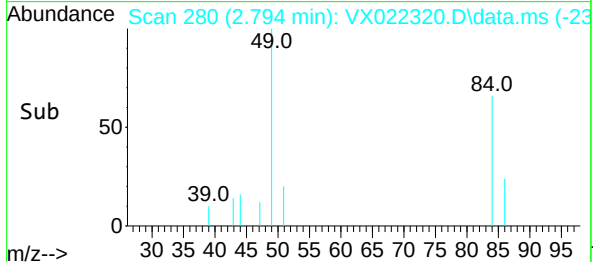
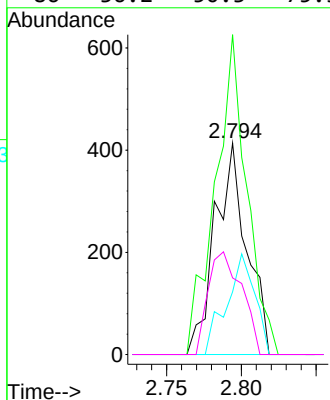
#20  
Methylene Chloride  
Concen: 0.65 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20210528



Tgt Ion: 84 Resp: 609

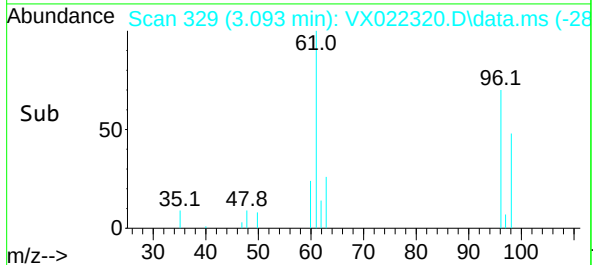
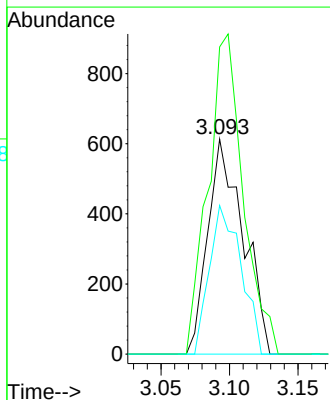
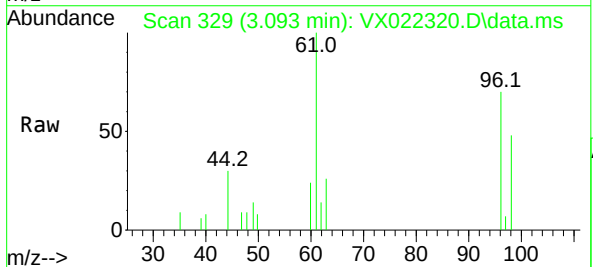
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 151.2 | 88.6  | 132.8# |
| 51  | 29.7  | 27.0  | 40.6   |
| 86  | 36.2  | 50.3  | 75.5#  |

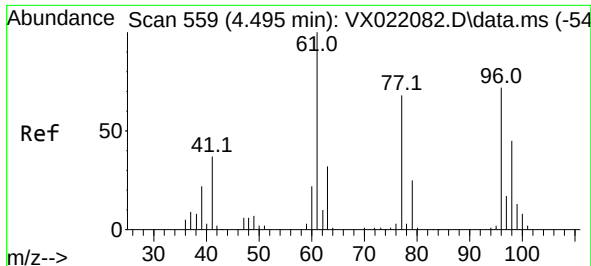


#21  
trans-1,2-Dichloroethene  
Concen: 1.40 ug/l  
RT: 3.093 min Scan# 329  
Delta R.T. -0.006 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

Tgt Ion: 96 Resp: 1103

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 142.9 | 107.7 | 161.5 |
| 98  | 69.2  | 50.4  | 75.6  |





#27

cis-1,2-Dichloroethene

Concen: 156.88 ug/l

RT: 4.495 min Scan# 559

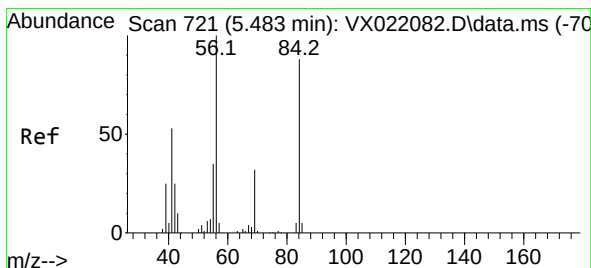
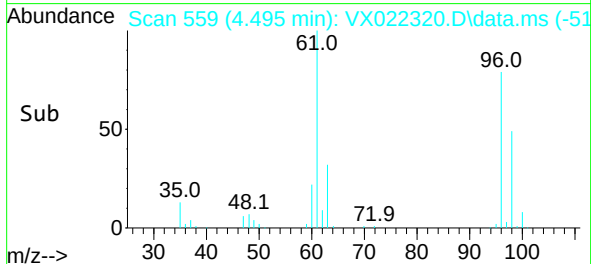
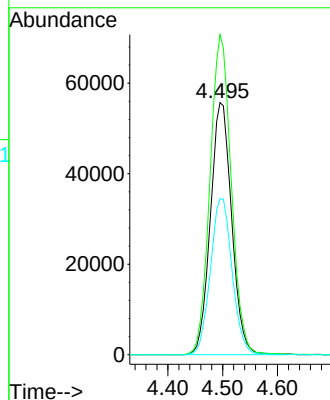
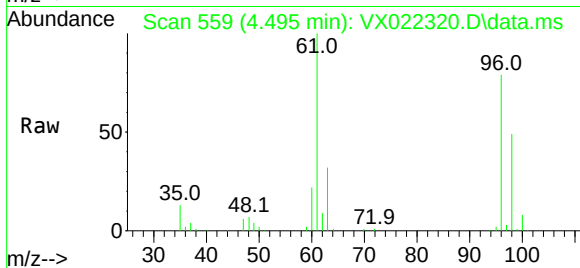
Delta R.T. 0.000 min

Lab File: VX022320.D

Acq: 02 Jun 2021 03:34

Tgt Ion: 96 Resp: 150073

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 126.9 | 0.0   | 285.6 |
| 98  | 63.2  | 0.0   | 129.6 |



#31

Cyclohexane

Concen: 1.37 ug/l

RT: 5.562 min Scan# 734

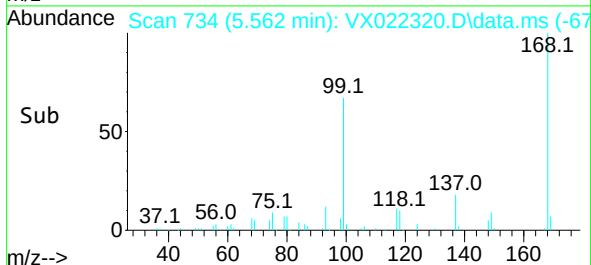
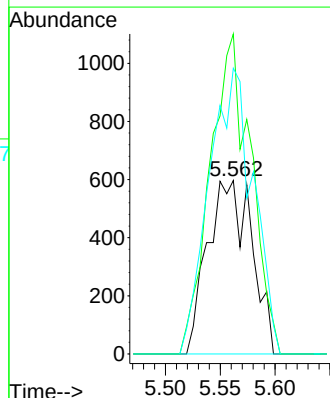
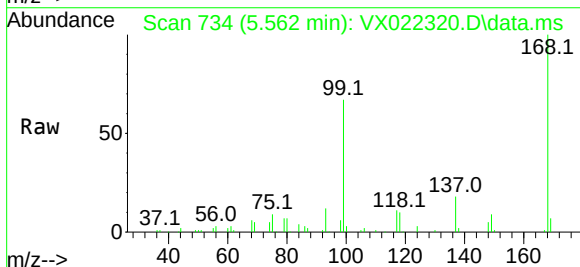
Delta R.T. 0.079 min

Lab File: VX022320.D

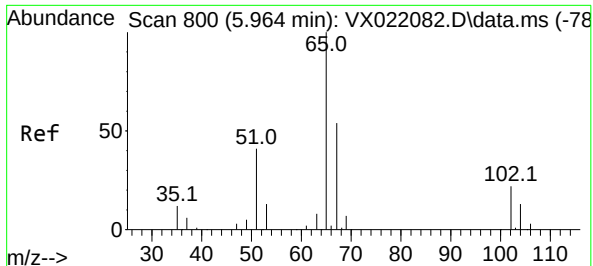
Acq: 02 Jun 2021 03:34

Tgt Ion: 56 Resp: 1676

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 184.4 | 25.3  | 37.9#  |
| 84  | 164.7 | 71.4  | 107.0# |



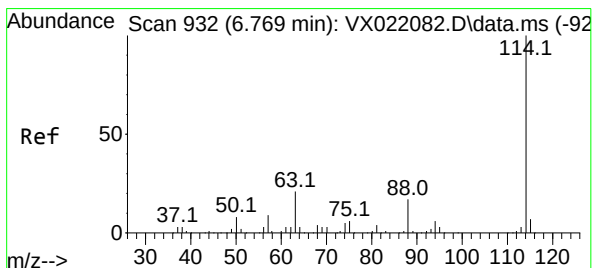
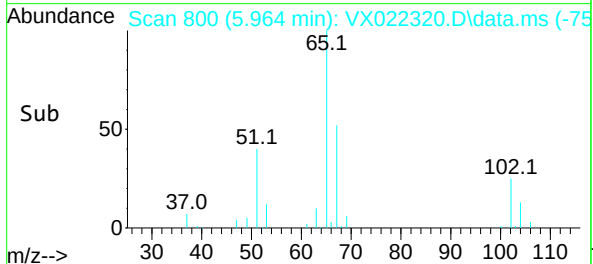
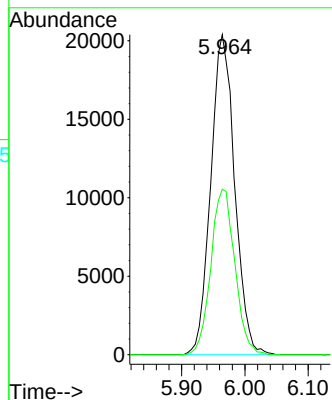
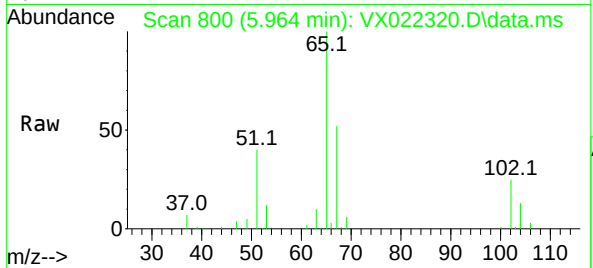




#33  
1,2-Dichloroethane-d4  
Concen: 54.95 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

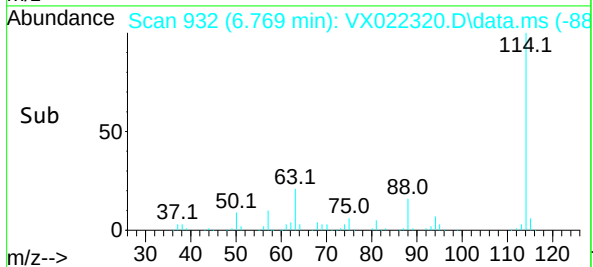
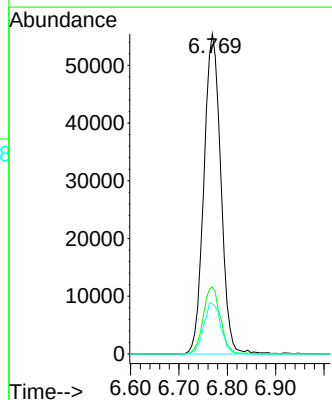
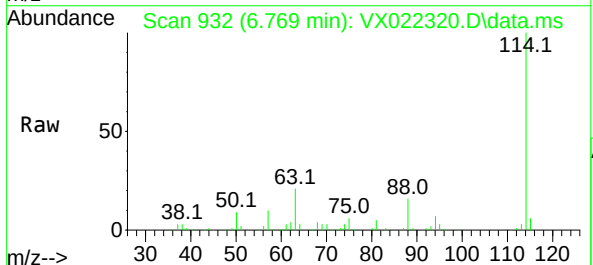
Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20210528

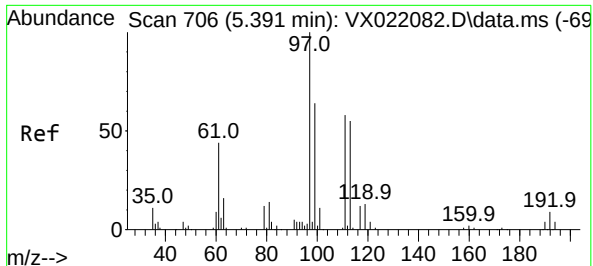
Tgt Ion: 65 Resp: 53485  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 105.4



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

Tgt Ion: 114 Resp: 134805  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 40.8  
88 15.7 0.0 32.8

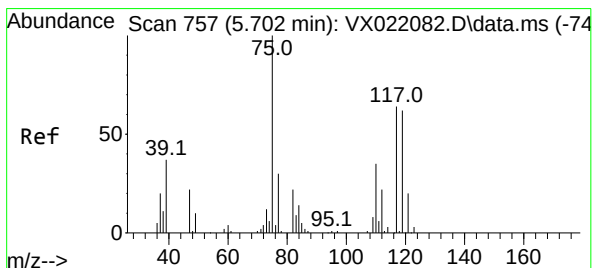
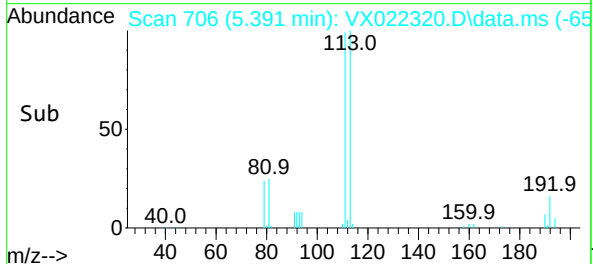
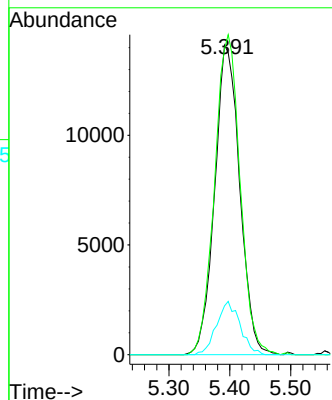
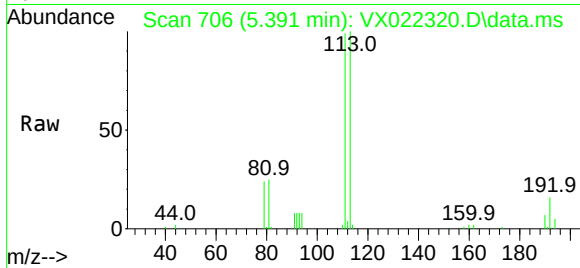




#35  
Dibromofluoromethane  
Concen: 47.16 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

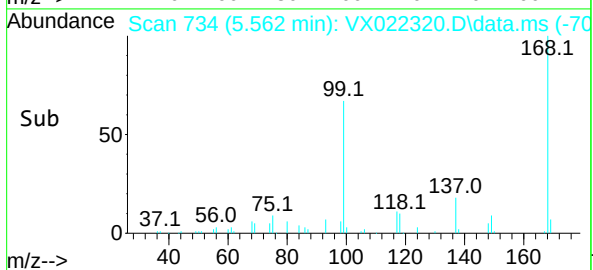
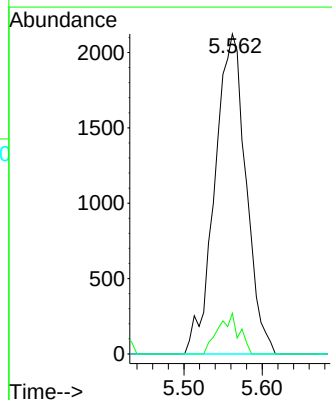
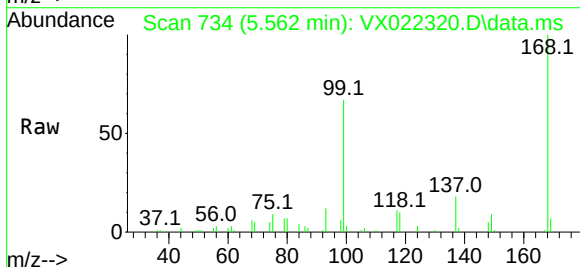
Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20210528

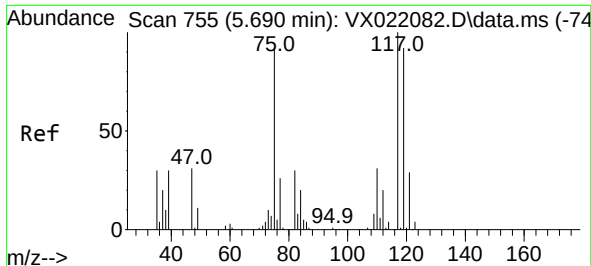
Tgt Ion:113 Resp: 40319  
Ion Ratio Lower Upper  
113 100  
111 105.3 81.9 122.9  
192 16.2 16.7 25.1#



#36  
1,1-Dichloropropene  
Concen: 4.70 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

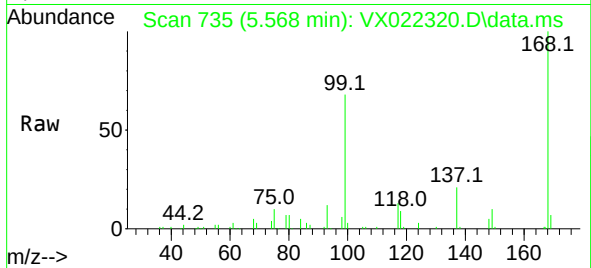
Tgt Ion: 75 Resp: 5863  
Ion Ratio Lower Upper  
75 100  
110 8.5 18.1 54.4#  
77 0.0 25.3 37.9#



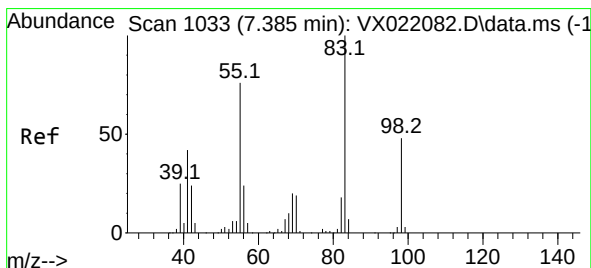
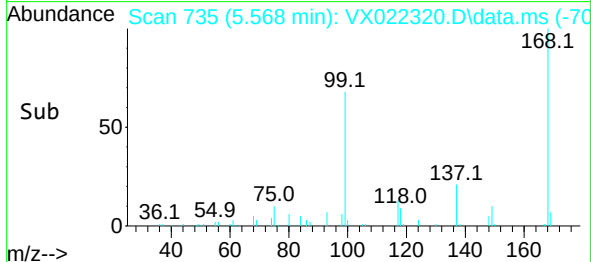
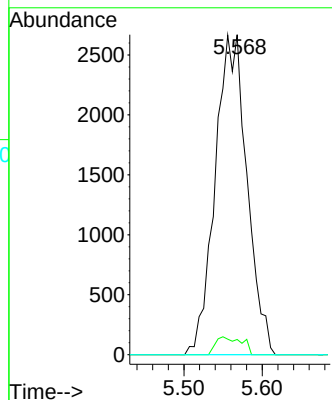


#38  
Carbon Tetrachloride  
Concen: 6.18 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. -0.122 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20210528

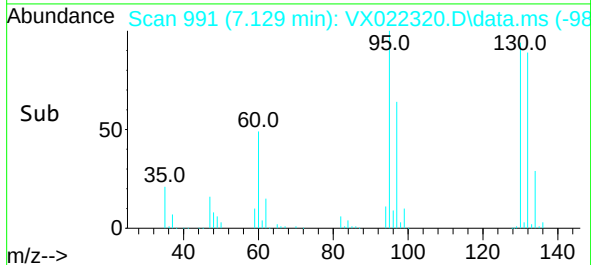
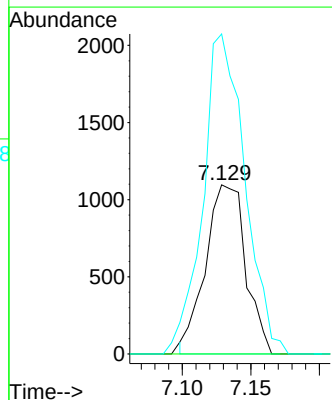
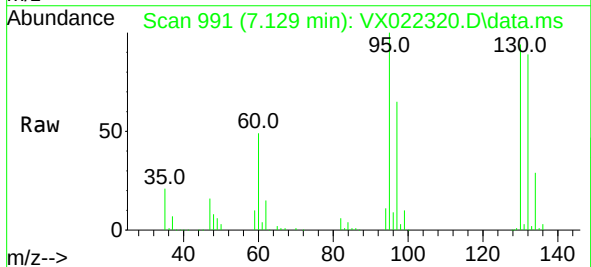


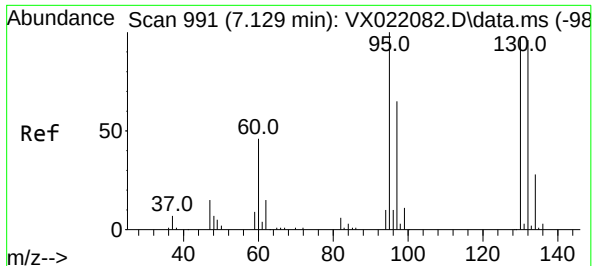
Tgt Ion:117 Resp: 7539  
Ion Ratio Lower Upper  
117 100  
119 4.8 76.2 114.2#  
121 0.0 24.8 37.2#



#39  
Methylcyclohexane  
Concen: 1.58 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.256 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

Tgt Ion: 83 Resp: 2231  
Ion Ratio Lower Upper  
83 100  
55 0.0 58.9 88.3#  
98 181.5 38.1 57.1#

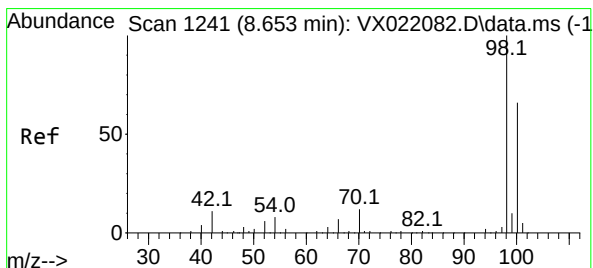
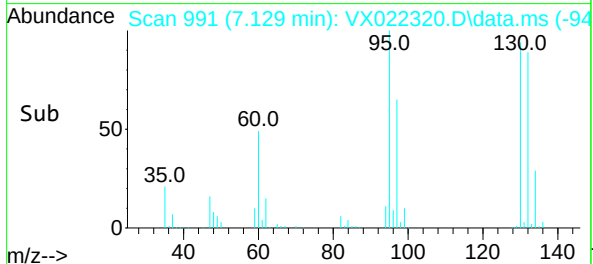
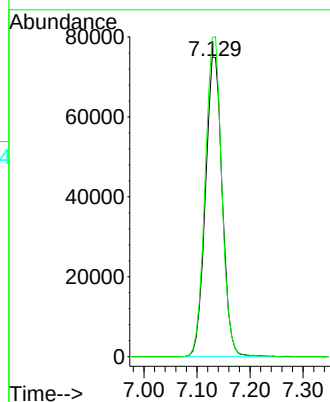
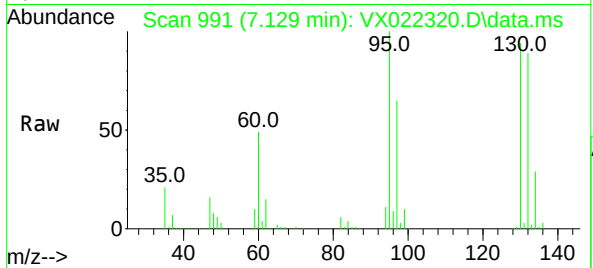




#44  
Trichloroethene  
Concen: 173.34 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

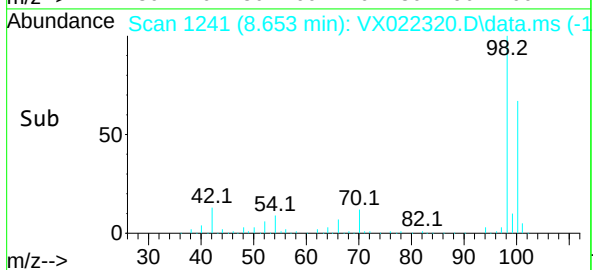
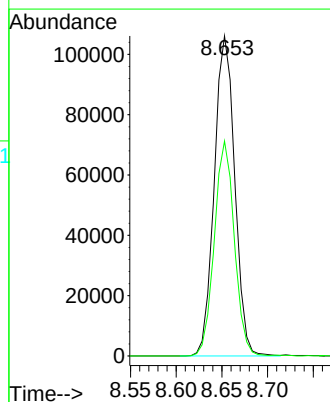
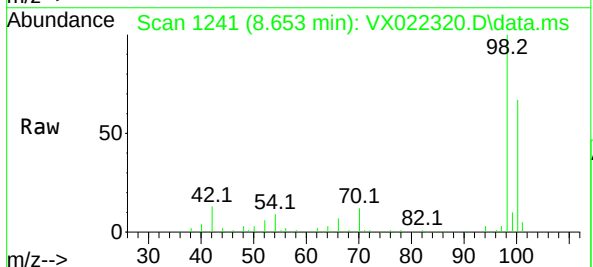
Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20210528

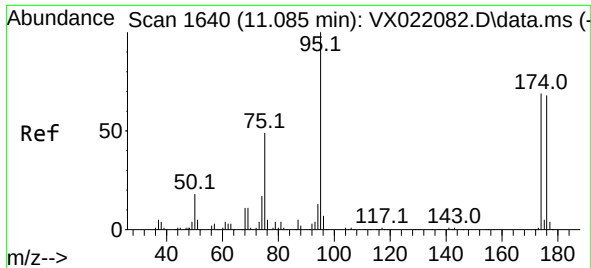
Tgt Ion:130 Resp: 165210  
Ion Ratio Lower Upper  
130 100  
95 106.3 0.0 198.0



#50  
Toluene-d8  
Concen: 50.20 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

Tgt Ion: 98 Resp: 165315  
Ion Ratio Lower Upper  
98 100  
100 65.9 51.9 77.9

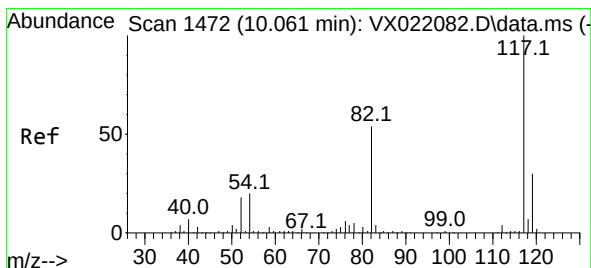
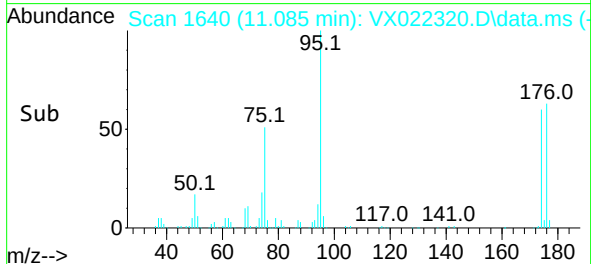
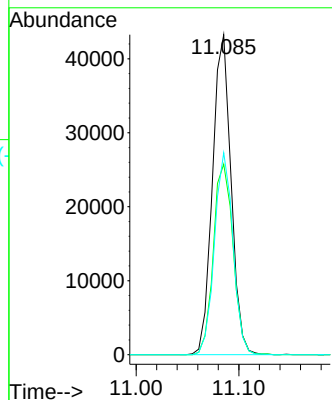
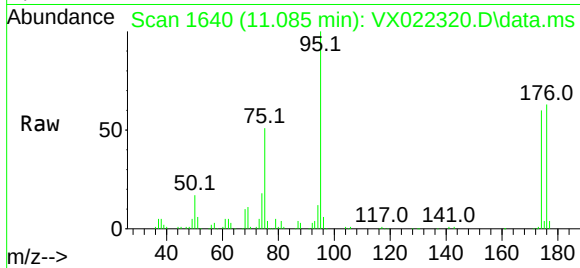




#62  
4-Bromofluorobenzene  
Concen: 44.47 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

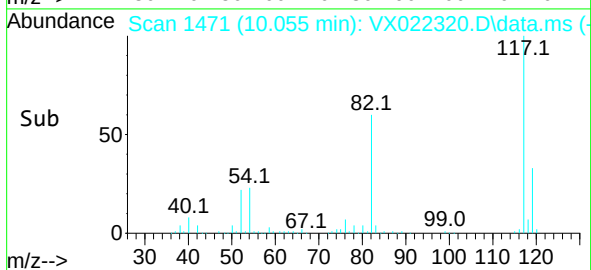
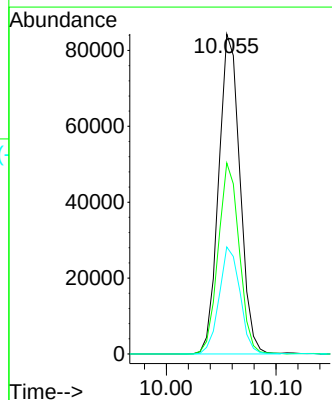
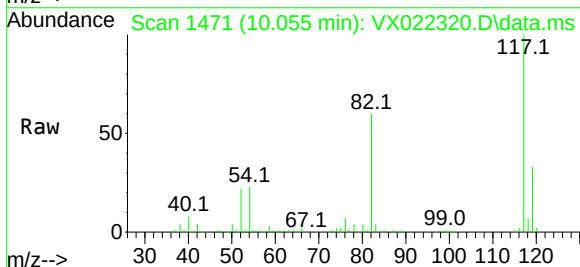
Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20210528

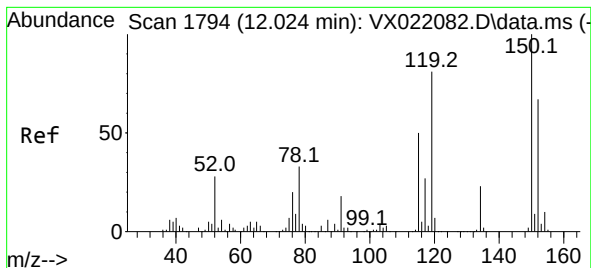
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 54123 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 63.2  | 0.0   | 154.6 |
| 176      | 62.9  | 0.0   | 155.8 |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 113871 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 59.7  | 47.4  | 71.2   |
| 119      | 33.4  | 26.6  | 39.8   |

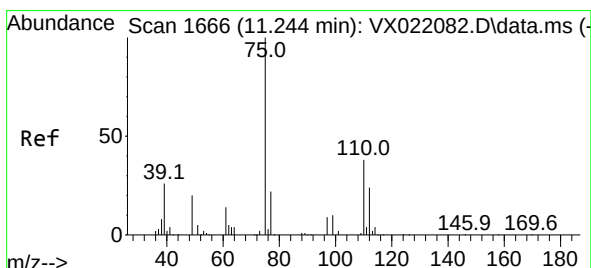
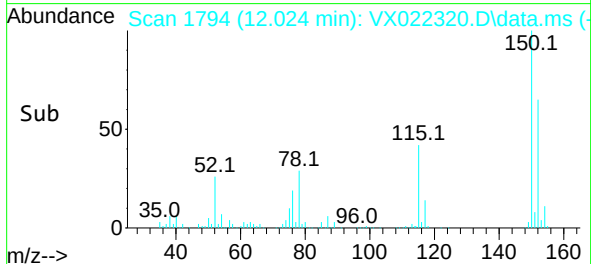
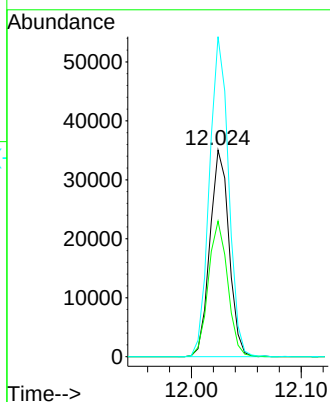
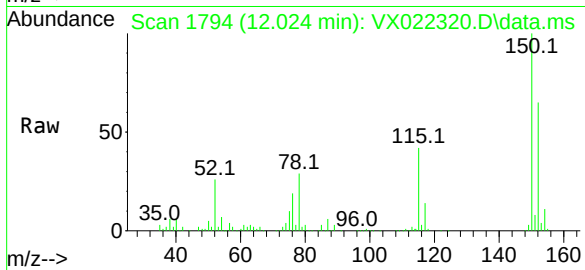




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

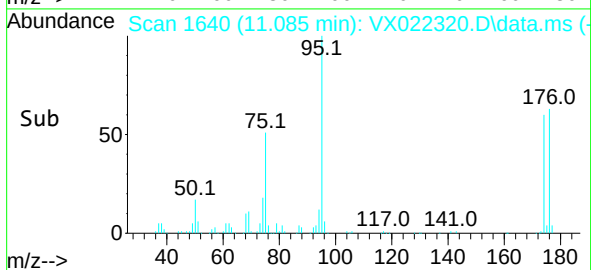
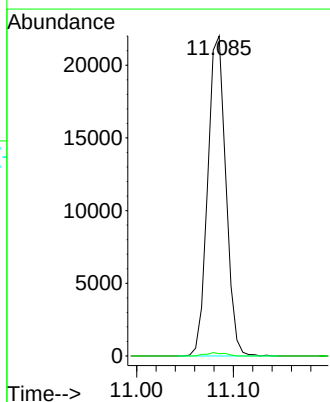
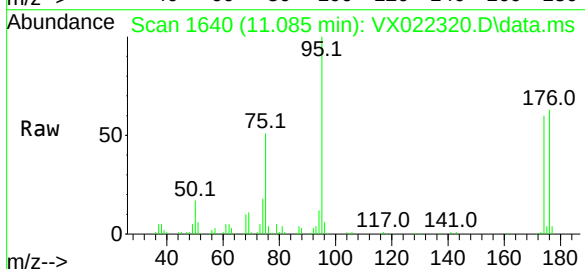
Instrument :  
MSVOA\_X  
ClientSampleId :  
15BR-20210528

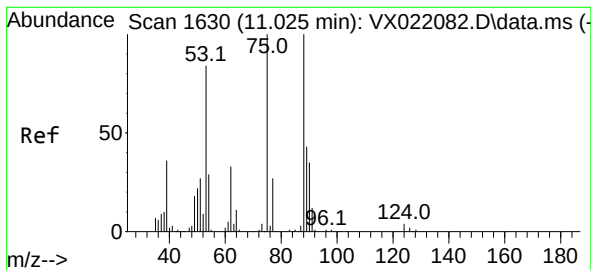
Tgt Ion:152 Resp: 42423  
Ion Ratio Lower Upper  
152 100  
115 66.3 41.1 123.3  
150 155.4 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 27.33 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX022320.D  
Acq: 02 Jun 2021 03:34

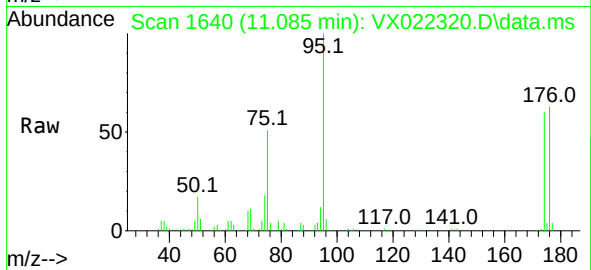
Tgt Ion: 75 Resp: 28602  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 64.75 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. 0.060 min  
 Lab File: VX022320.D  
 Acq: 02 Jun 2021 03:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 15BR-20210528



Tgt Ion: 75 Resp: 28602  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.5 111.7#  
 89 0.0 37.9 56.9#

