

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061821\  
 Data File : VX022769.D  
 Acq On : 18 Jun 2021 15:48  
 Operator : JC/MD  
 Sample : M2750-09DL 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE120D2-20210615DL

Quant Time: Jun 19 01:45:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061021W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 12:20:00 2021  
 Response via : Initial Calibration

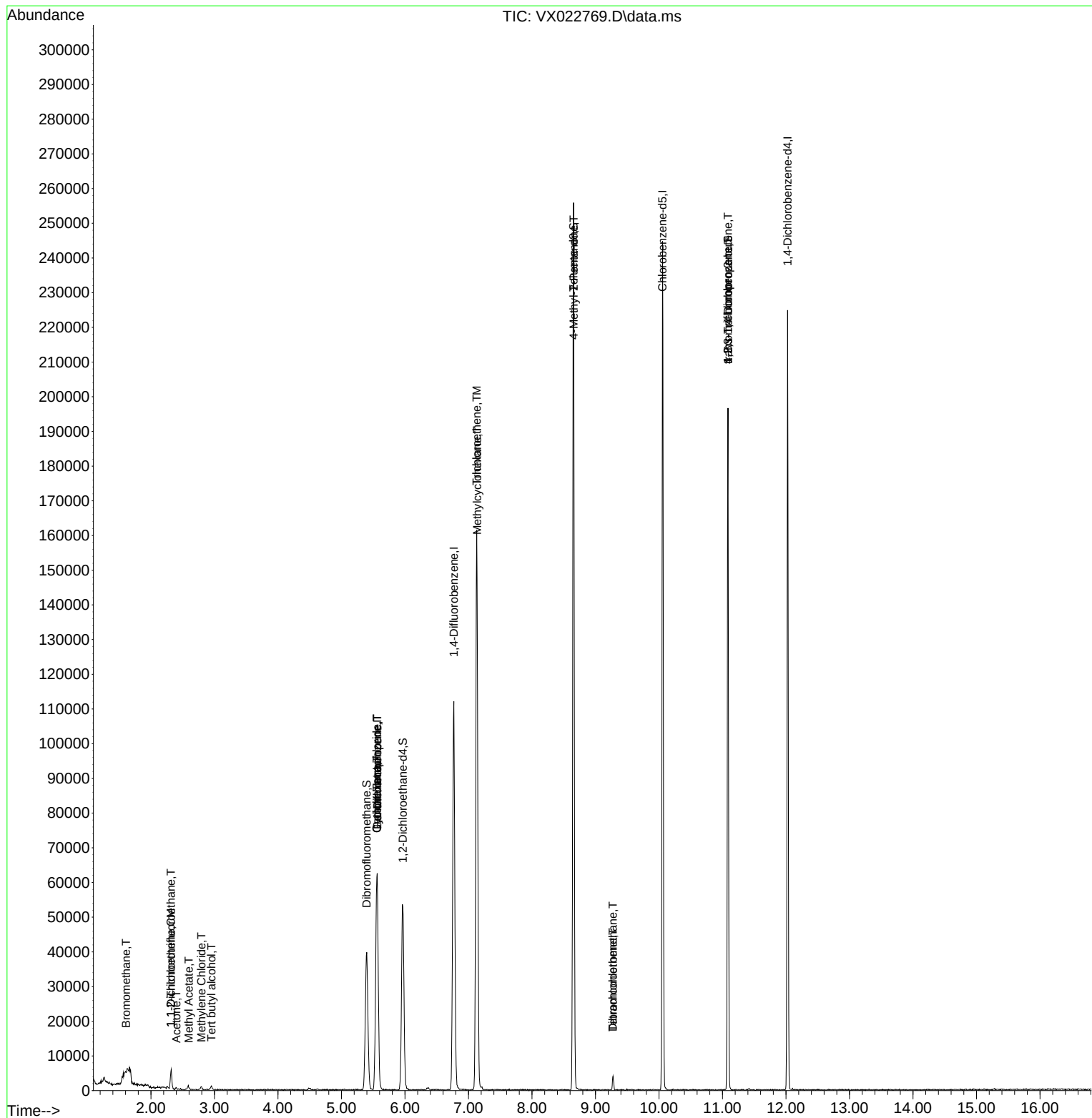
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.562  | 168   | 53129    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 106365   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 98961    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 38566    | 50.000   | ug/l       | 0.00     |
|                               |        |       |          |          |            |          |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 48756    | 51.026   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 102.060% |          |
| 35) Dibromofluoromethane      | 5.397  | 113   | 33866    | 49.903   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 99.800%  |          |
| 50) Toluene-d8                | 8.653  | 98    | 140892   | 52.666   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 105.340% |          |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 50972    | 50.379   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 100.760% |          |
|                               |        |       |          |          |            |          |
| Target Compounds              |        |       |          |          |            | Qvalue   |
| 5) Bromomethane               | 1.605  | 94    | 171      | 0.425    | ug/l #     | 53       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.313  | 101   | 1858     | 2.857    | ug/l       | 96       |
| 11) Tert butyl alcohol        | 2.953  | 59    | 572      | 2.585    | ug/l #     | 73       |
| 12) 1,1-Dichloroethene        | 2.313  | 96    | 188      | 0.291    | ug/l #     | 67       |
| 16) Acetone                   | 2.398  | 43    | 452      | 1.056    | ug/l #     | 40       |
| 18) Methyl Acetate            | 2.593  | 43    | 375      | 0.291    | ug/l #     | 47       |
| 20) Methylene Chloride        | 2.794  | 84    | 470      | 0.293    | ug/l #     | 84       |
| 31) Cyclohexane               | 5.556  | 56    | 1554     | 1.348    | ug/l #     | 52       |
| 36) 1,1-Dichloropropene       | 5.562  | 75    | 5368     | 5.065    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 6284     | 6.932    | ug/l #     | 18       |
| 39) Methylcyclohexane         | 7.135  | 83    | 801      | 0.725    | ug/l #     | 1        |
| 44) Trichloroethene           | 7.129  | 130   | 54581    | 73.742   | ug/l       | 91       |
| 51) 4-Methyl-2-Pentanone      | 8.659  | 43    | 628      | 0.465    | ug/l #     | 1        |
| 60) Dibromochloromethane      | 9.275  | 129   | 672      | 3.967    | ug/l #     | 11       |
| 64) Tetrachloroethene         | 9.275  | 164   | 708      | 1.131    | ug/l       | 92       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 28136    | 27.516   | ug/l #     | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 28136    | 68.678   | ug/l #     | 12       |
| -----                         |        |       |          |          |            |          |

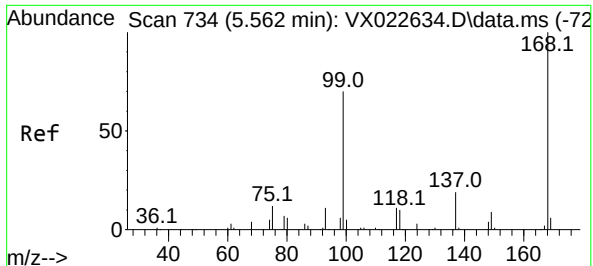
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061821\  
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Sample : M2750-09DL 10X  
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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20210615DL

Quant Time: Jun 19 01:45:11 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061021W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 10 12:20:00 2021  
Response via : Initial Calibration

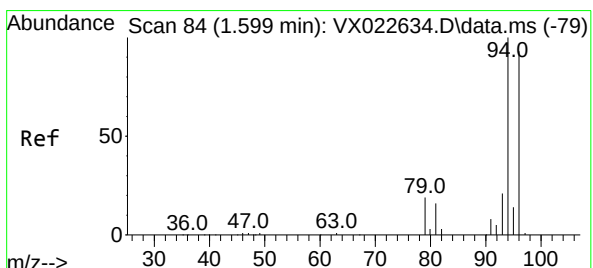
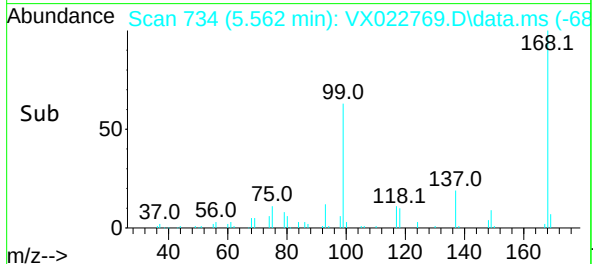
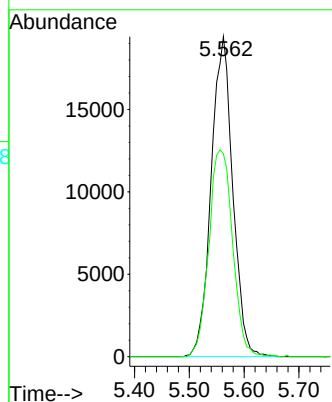
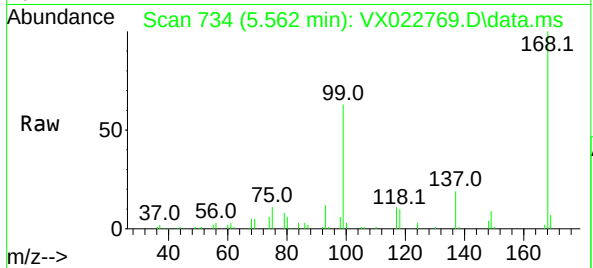




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

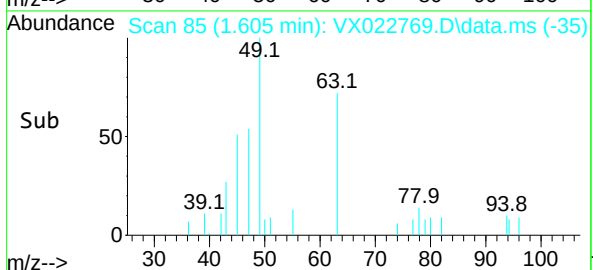
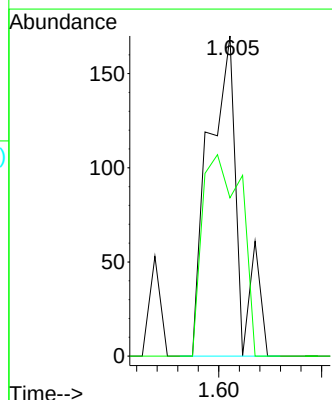
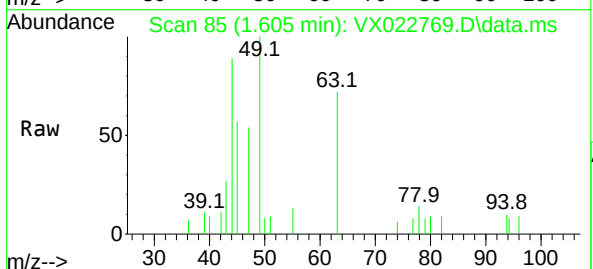
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20210615DL

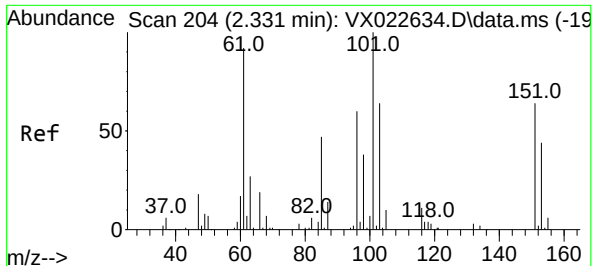
Tgt Ion:168 Resp: 53129  
Ion Ratio Lower Upper  
168 100  
99 63.4 45.8 68.6



#5  
Bromomethane  
Concen: 0.425 ug/l  
RT: 1.605 min Scan# 85  
Delta R.T. 0.006 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

Tgt Ion: 94 Resp: 171  
Ion Ratio Lower Upper  
94 100  
96 49.4 76.4 114.6#

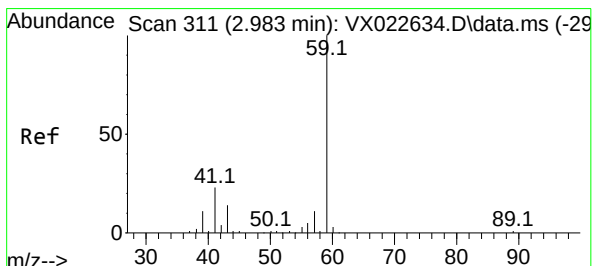
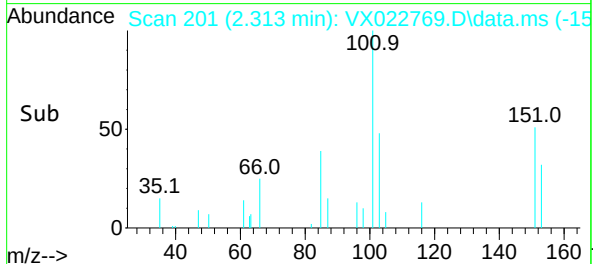
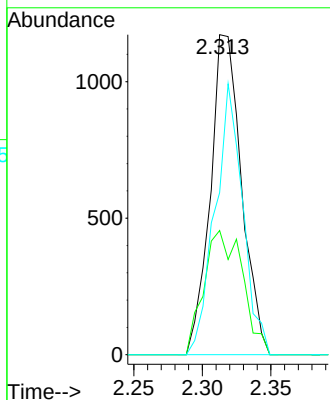
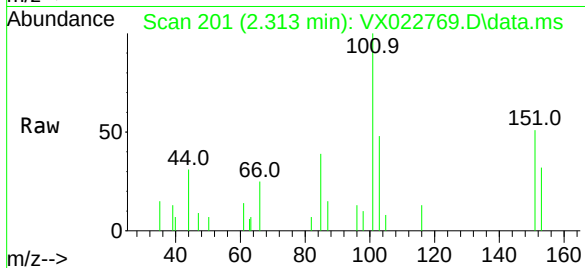




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.857 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. -0.012 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

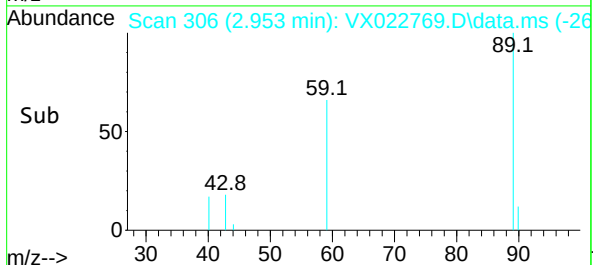
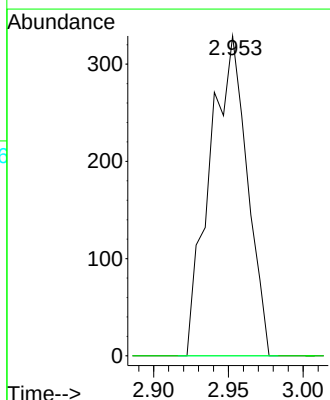
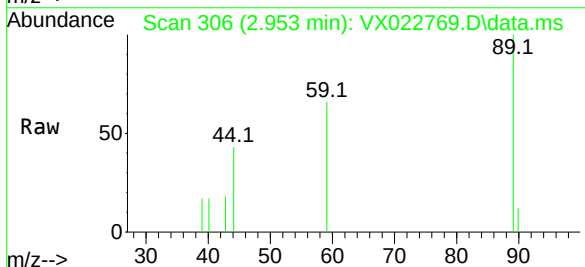
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20210615DL

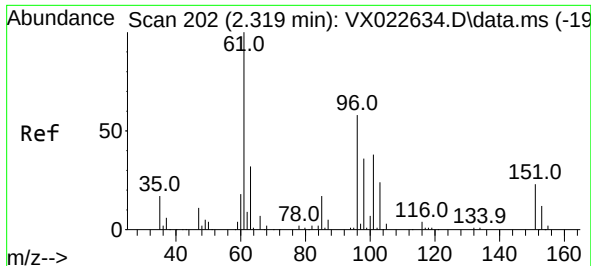
Tgt Ion:101 Resp: 1858  
Ion Ratio Lower Upper  
101 100  
85 48.0 34.9 52.3  
151 75.2 61.4 92.2



#11  
Tert butyl alcohol  
Concen: 2.585 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.030 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

Tgt Ion: 59 Resp: 572  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.291 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.006 min

Lab File: VX022769.D

Acq: 18 Jun 2021 15:48

Tgt Ion: 96 Resp: 188

Ion Ratio Lower Upper

96 100

61 105.9 124.6 187.0#

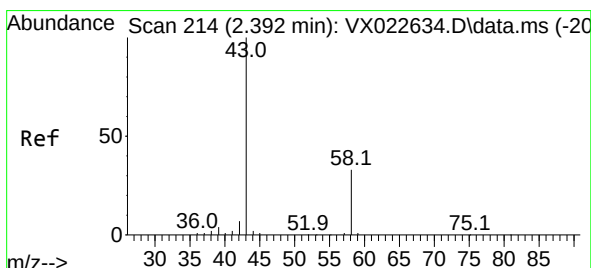
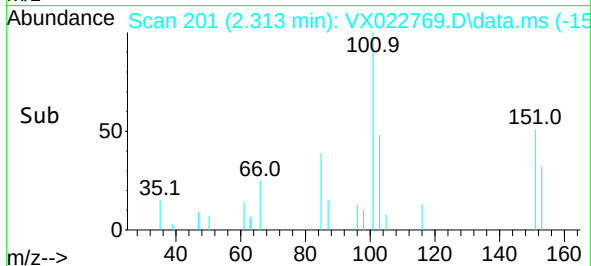
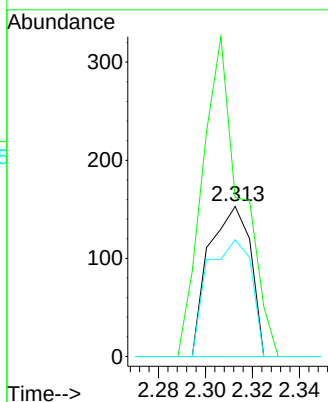
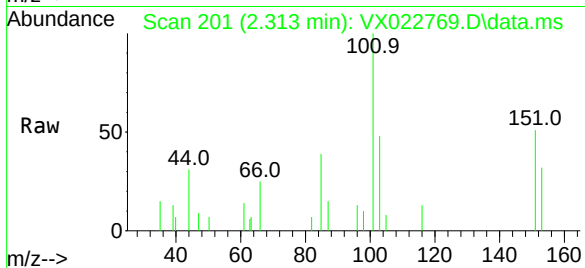
98 77.8 50.6 76.0#

Instrument :

MSVOA\_X

ClientSampleId :

RE120D2-20210615DL



#16

Acetone

Concen: 1.056 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.006 min

Lab File: VX022769.D

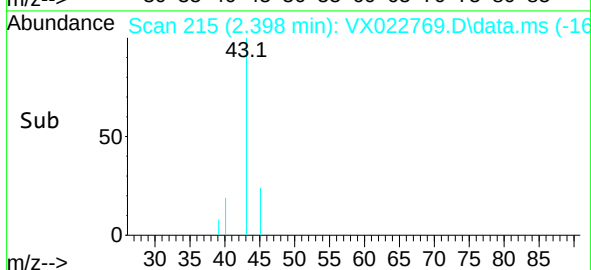
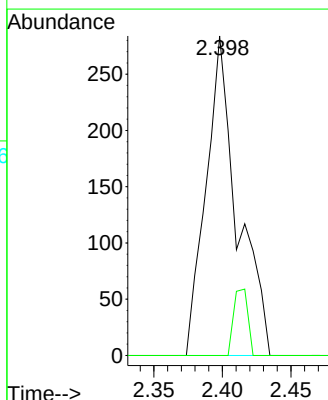
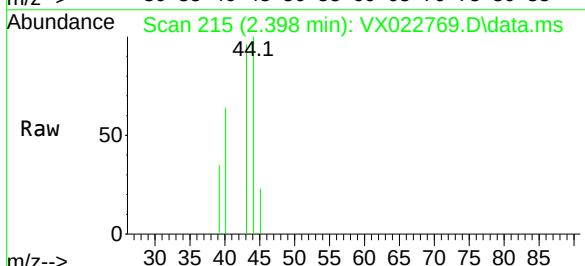
Acq: 18 Jun 2021 15:48

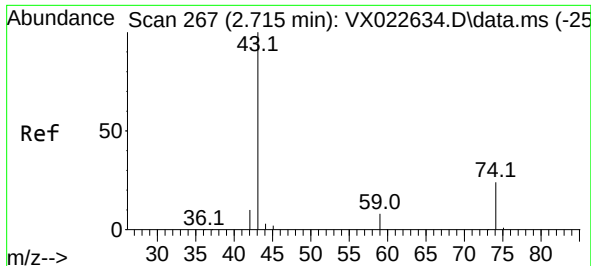
Tgt Ion: 43 Resp: 452

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#

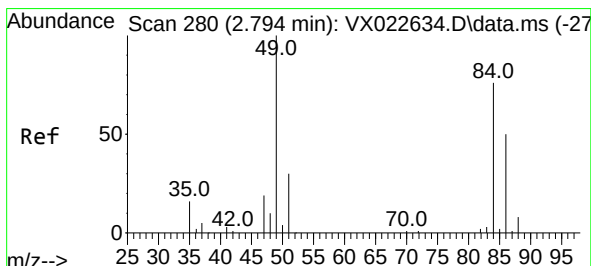
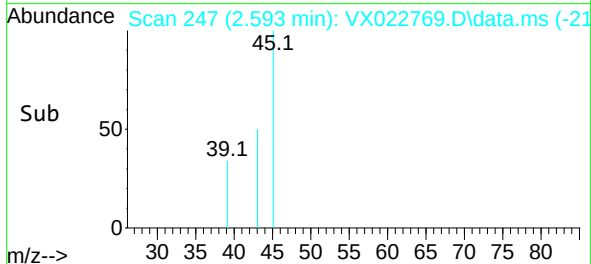
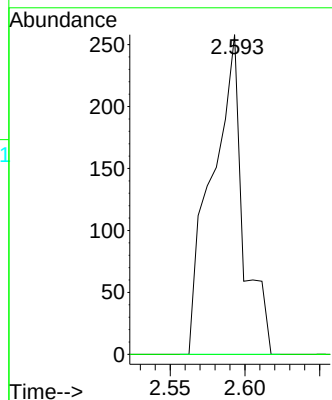
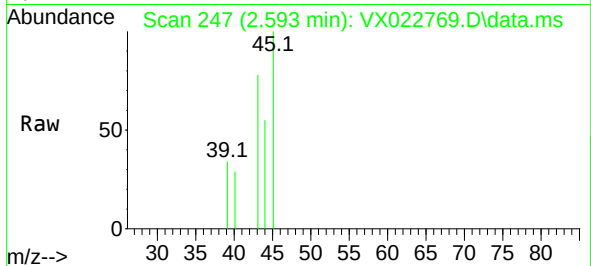




#18  
Methyl Acetate  
Concen: 0.291 ug/l  
RT: 2.593 min Scan# 247  
Delta R.T. -0.116 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

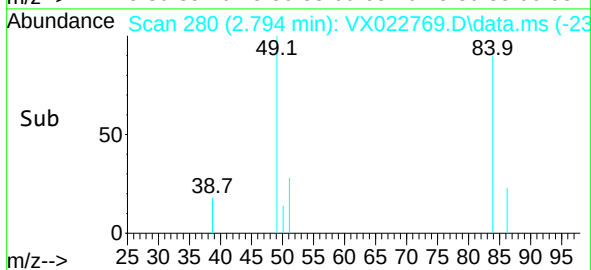
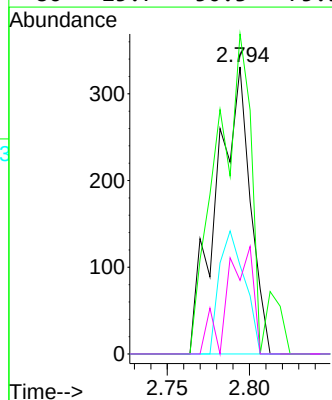
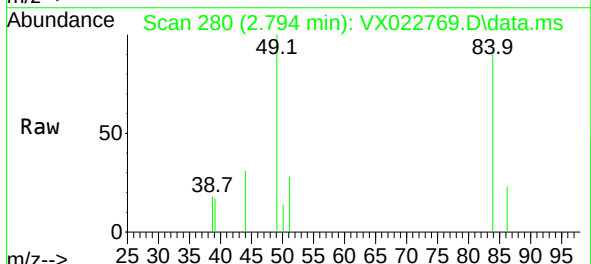
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20210615DL

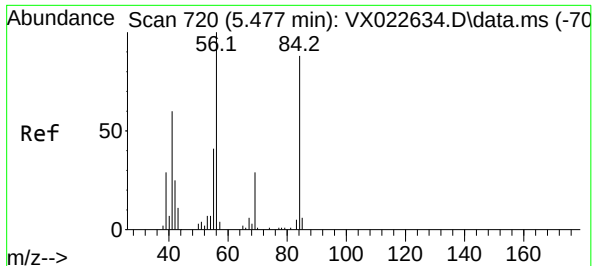
Tgt Ion: 43 Resp: 375  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.9 32.9#



#20  
Methylene Chloride  
Concen: 0.293 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

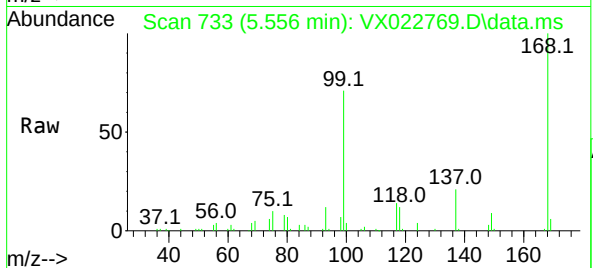
Tgt Ion: 84 Resp: 470  
Ion Ratio Lower Upper  
84 100  
49 111.5 88.6 132.8  
51 30.8 27.0 40.6  
86 25.7 50.3 75.5#



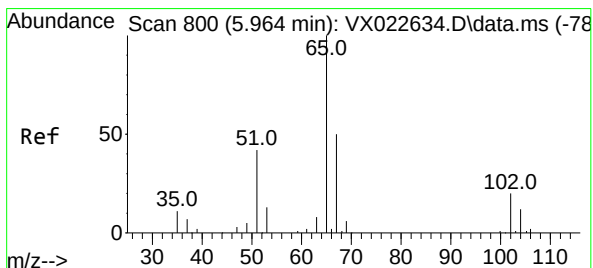
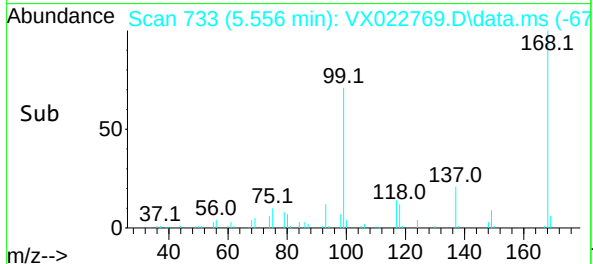
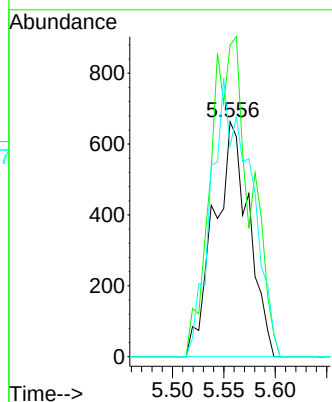


#31  
Cyclohexane  
Concen: 1.348 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.079 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20210615DL

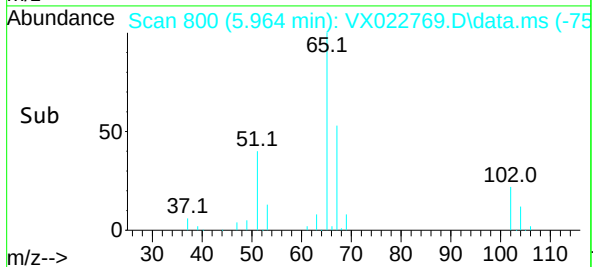
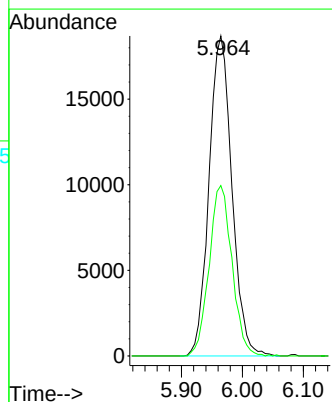
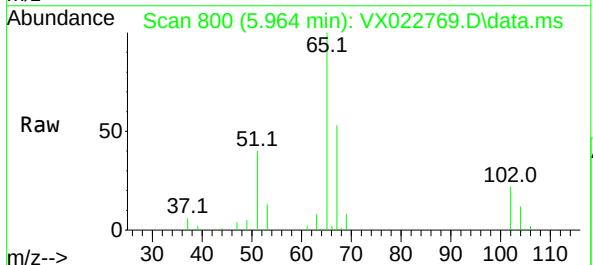


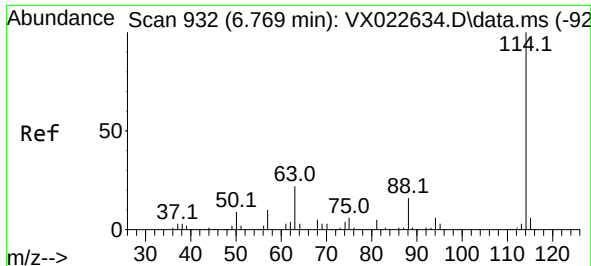
Tgt Ion: 56 Resp: 1554  
Ion Ratio Lower Upper  
56 100  
69 132.6 25.3 37.9#  
84 89.6 71.4 107.0



#33  
1,2-Dichloroethane-d4  
Concen: 51.026 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

Tgt Ion: 65 Resp: 48756  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 105.4

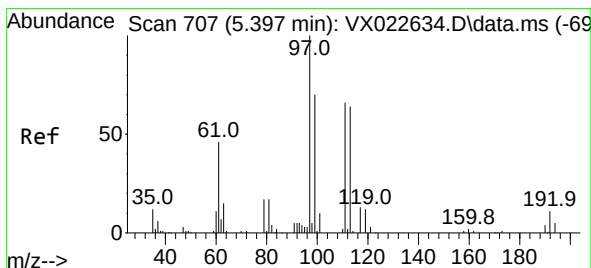
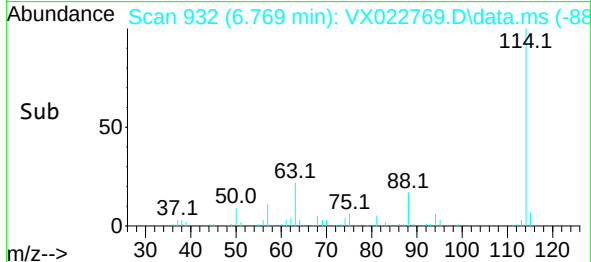
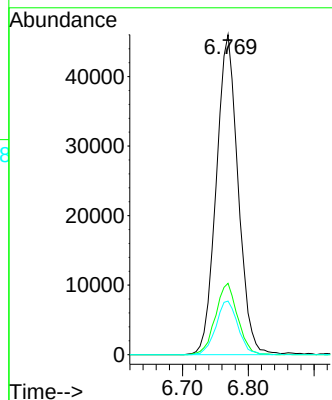
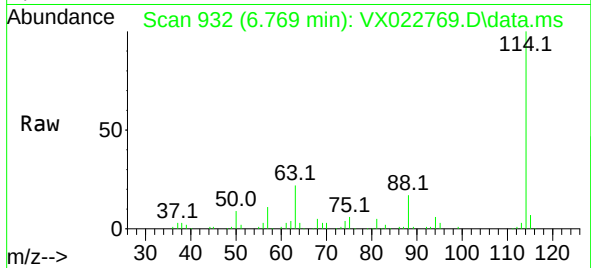




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

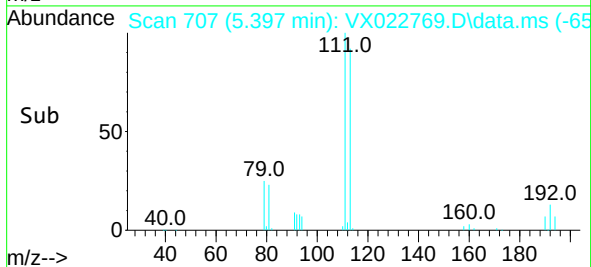
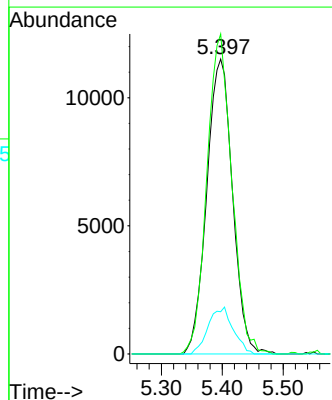
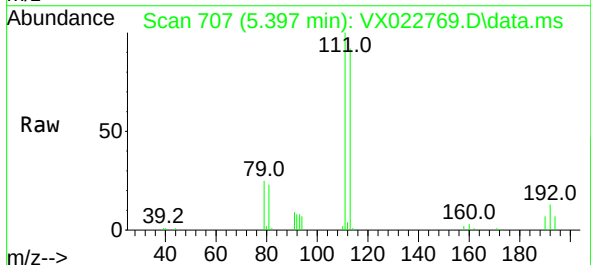
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20210615DL

Tgt Ion:114 Resp: 106365  
Ion Ratio Lower Upper  
114 100  
63 22.3 0.0 40.8  
88 16.7 0.0 32.8

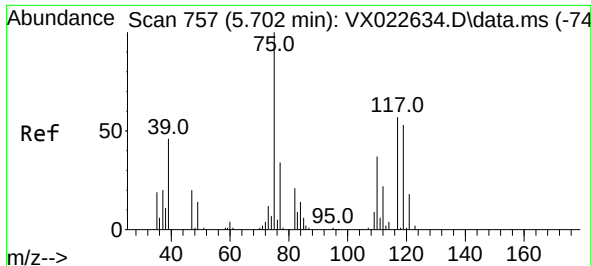


#35  
Dibromofluoromethane  
Concen: 49.903 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.006 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

Tgt Ion:113 Resp: 33866  
Ion Ratio Lower Upper  
113 100  
111 105.0 81.9 122.9  
192 15.3 16.7 25.1#



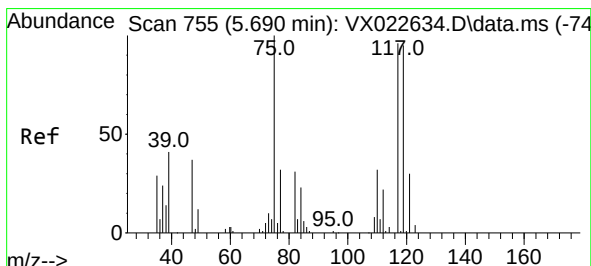
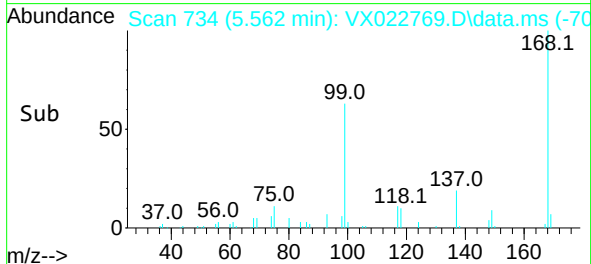
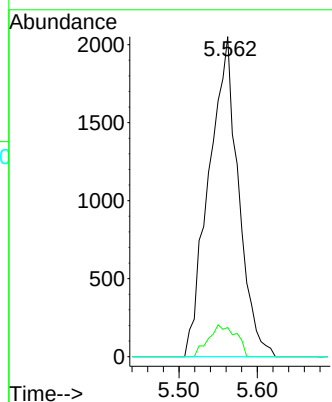
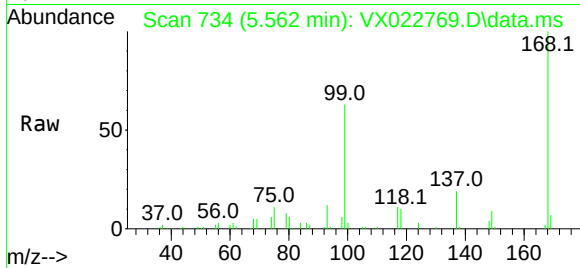




#36  
1,1-Dichloropropene  
Concen: 5.065 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

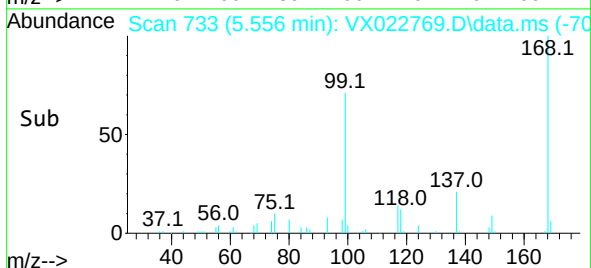
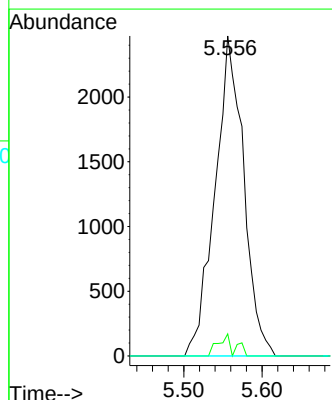
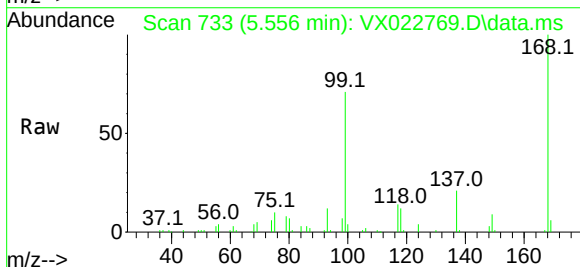
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20210615DL

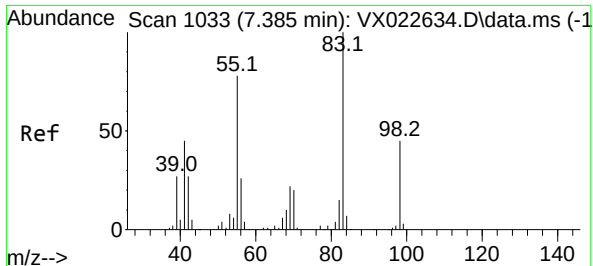
Tgt Ion: 75 Resp: 5368  
Ion Ratio Lower Upper  
75 100  
110 9.2 18.1 54.4#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 6.932 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.122 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

Tgt Ion: 117 Resp: 6284  
Ion Ratio Lower Upper  
117 100  
119 6.9 76.2 114.2#  
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.725 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.250 min

Lab File: VX022769.D

Acq: 18 Jun 2021 15:48

Tgt Ion: 83 Resp: 801

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

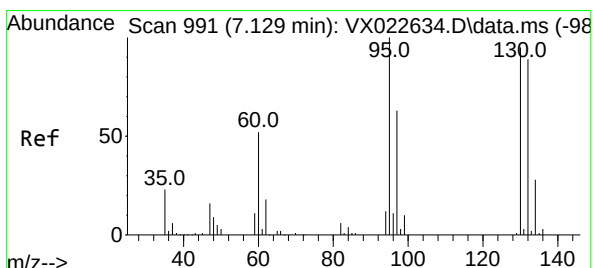
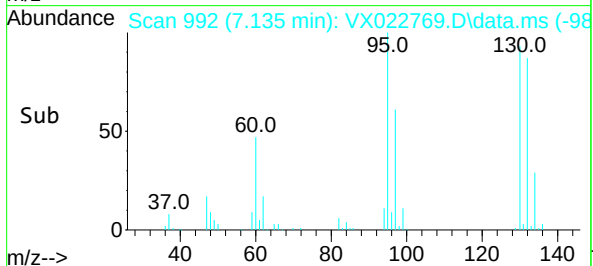
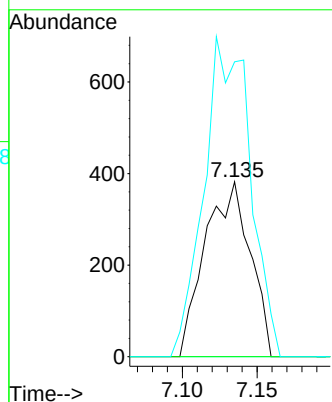
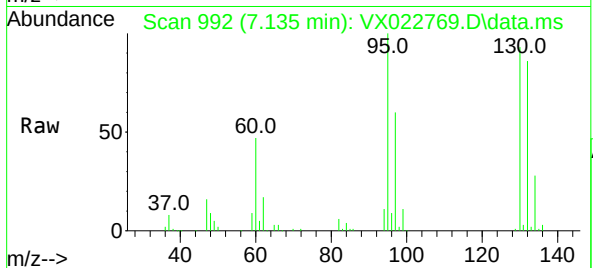
98 168.6 38.1 57.1#

Instrument :

MSVOA\_X

ClientSampleId :

RE120D2-20210615DL



#44

Trichloroethene

Concen: 73.742 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX022769.D

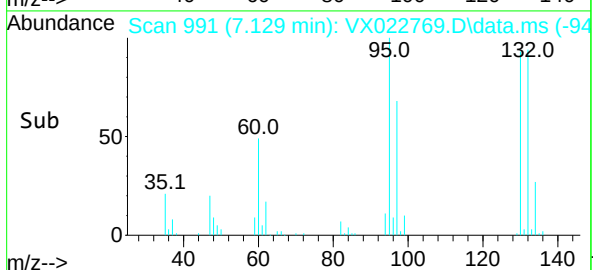
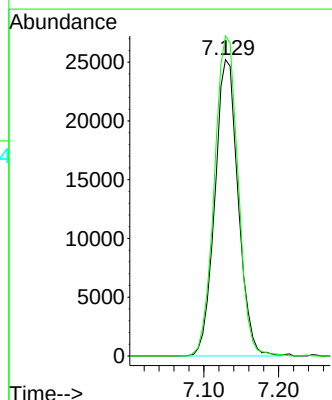
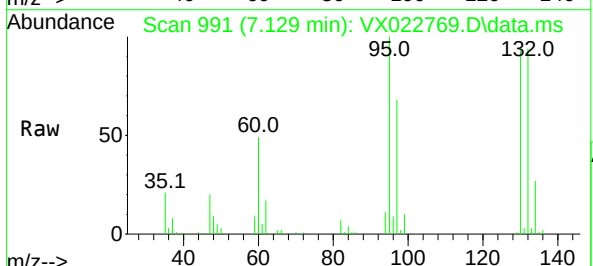
Acq: 18 Jun 2021 15:48

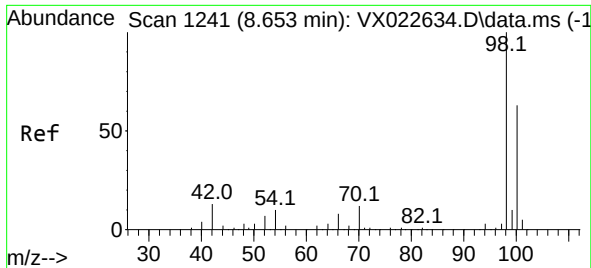
Tgt Ion:130 Resp: 54581

Ion Ratio Lower Upper

130 100

95 108.0 0.0 198.0

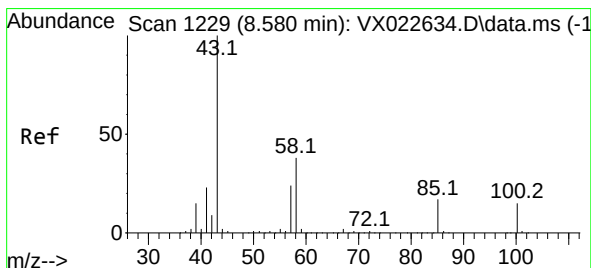
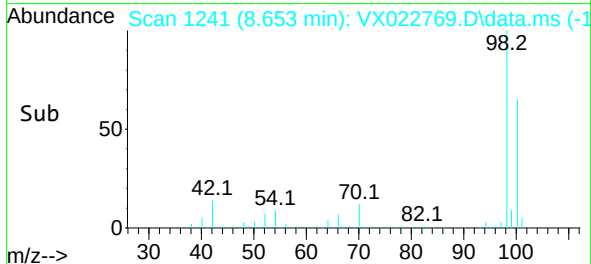
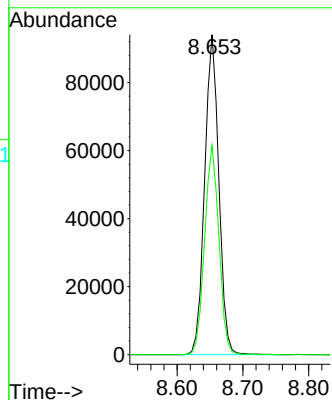
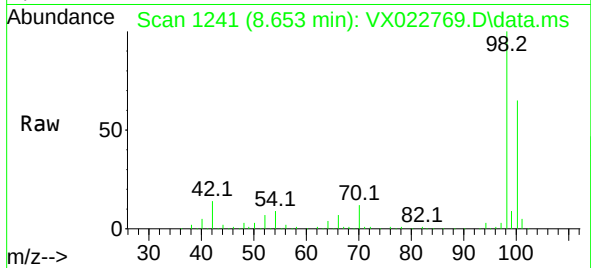




#50  
Toluene-d8  
Concen: 52.666 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

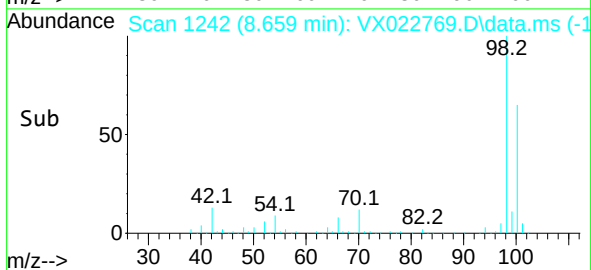
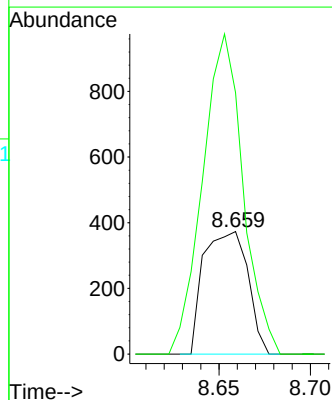
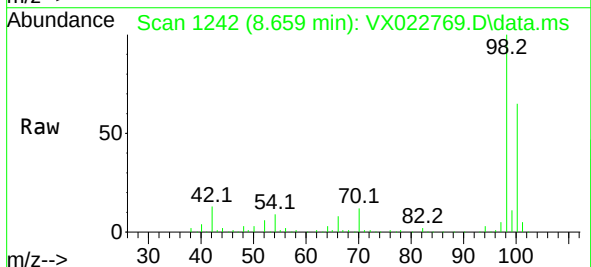
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20210615DL

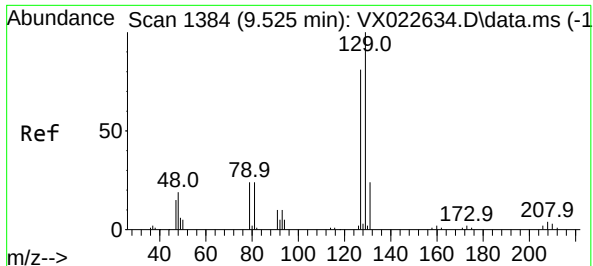
Tgt Ion: 98 Resp: 140892  
Ion Ratio Lower Upper  
98 100  
100 66.1 51.9 77.9



#51  
4-Methyl-2-Pentanone  
Concen: 0.465 ug/l  
RT: 8.659 min Scan# 1242  
Delta R.T. 0.079 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

Tgt Ion: 43 Resp: 628  
Ion Ratio Lower Upper  
43 100  
58 238.9 35.4 53.0#

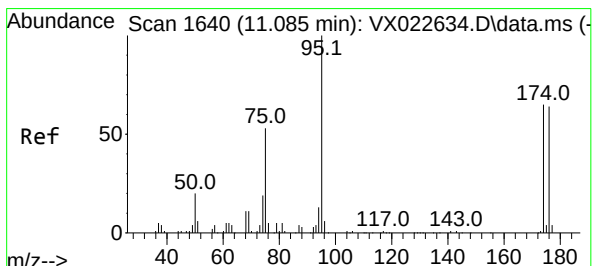
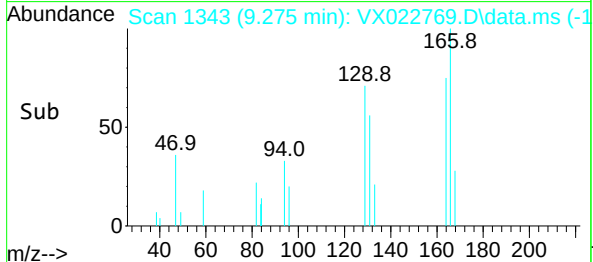
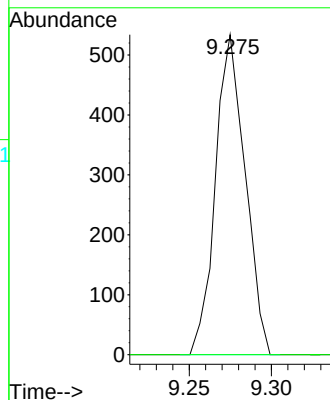
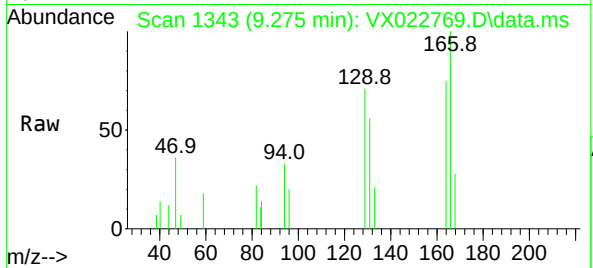




#60  
Dibromochloromethane  
Concen: 3.967 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.250 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

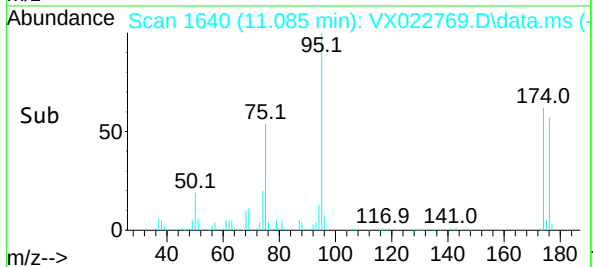
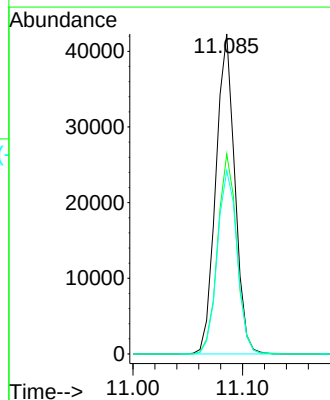
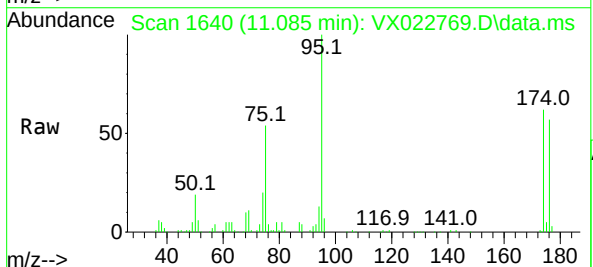
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20210615DL

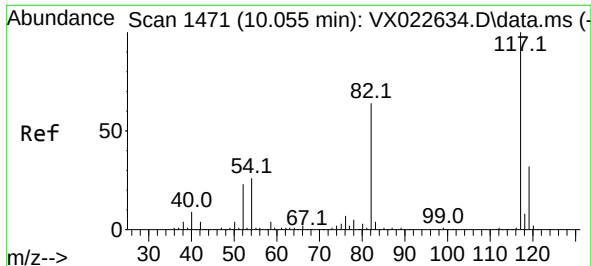
Tgt Ion:129 Resp: 672  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#



#62  
4-Bromofluorobenzene  
Concen: 50.379 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

Tgt Ion: 95 Resp: 50972  
Ion Ratio Lower Upper  
95 100  
174 62.9 0.0 154.6  
176 59.6 0.0 155.8

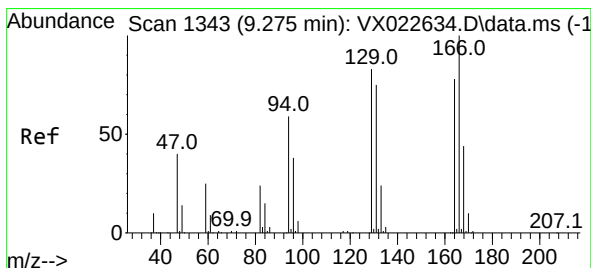
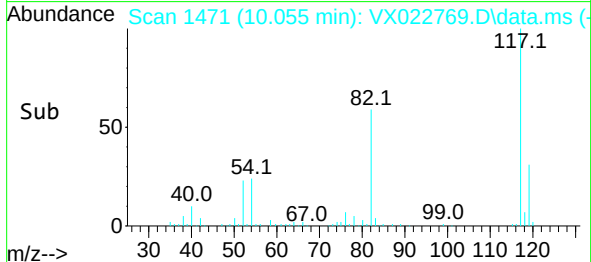
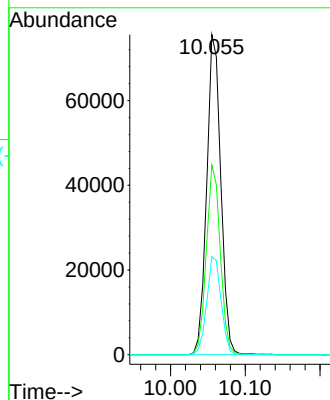
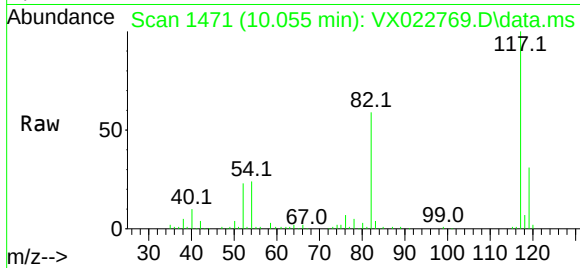




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

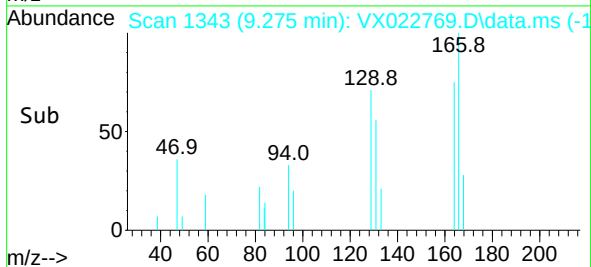
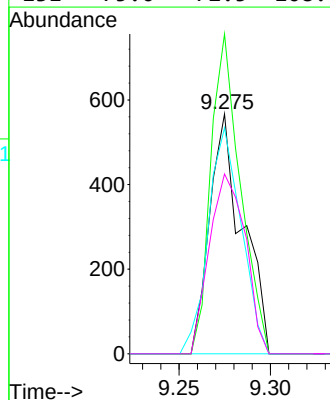
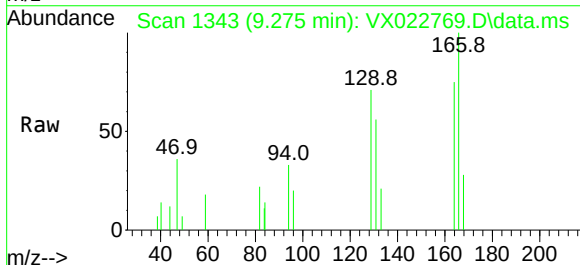
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20210615DL

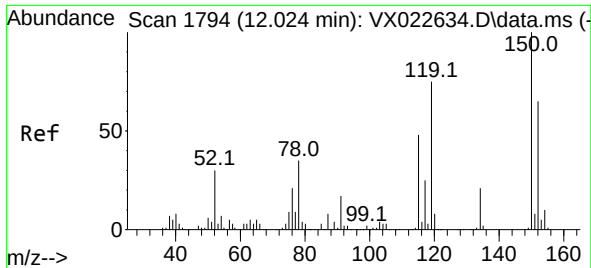
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 98961 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 59.3  | 47.4  | 71.2  |
| 119      | 30.6  | 26.6  | 39.8  |



#64  
Tetrachloroethene  
Concen: 1.131 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.006 min  
Lab File: VX022769.D  
Acq: 18 Jun 2021 15:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 708   |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 133.3 | 103.4 | 155.2 |
| 129      | 94.2  | 70.8  | 106.2 |
| 131      | 75.0  | 72.5  | 108.7 |

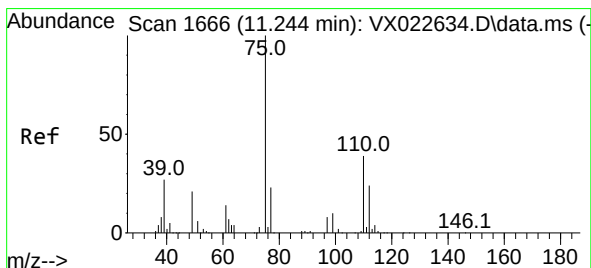
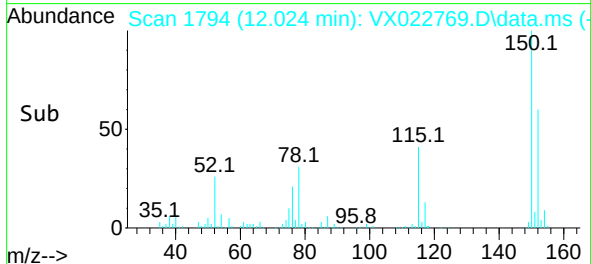
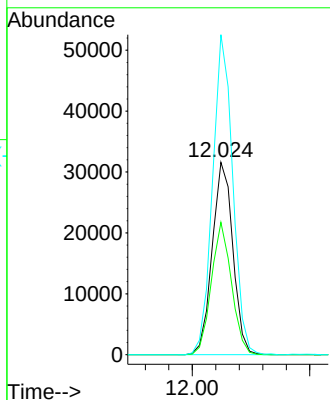
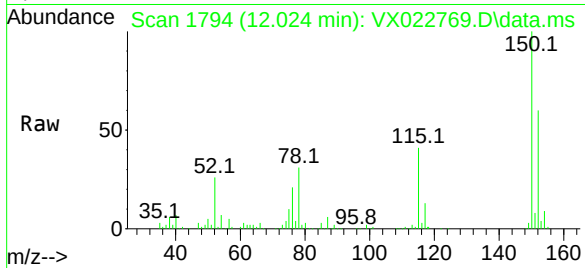




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX022769.D  
 Acq: 18 Jun 2021 15:48

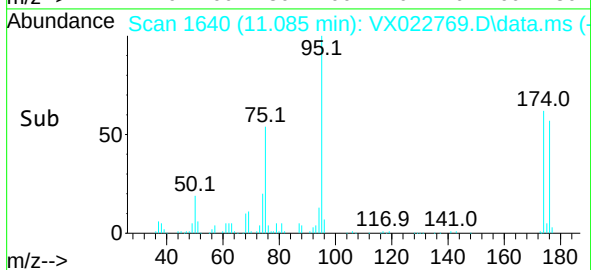
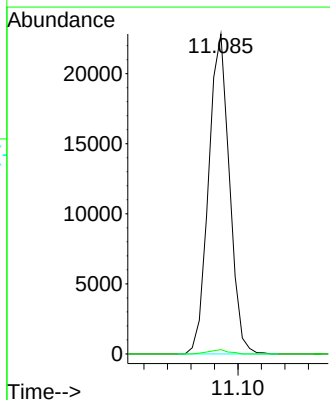
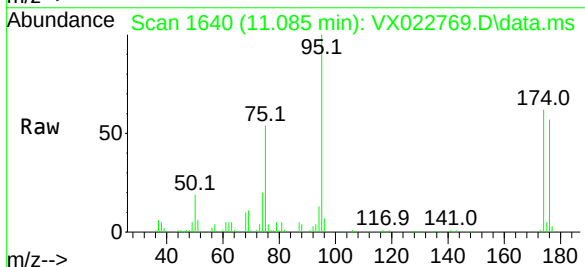
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE120D2-20210615DL

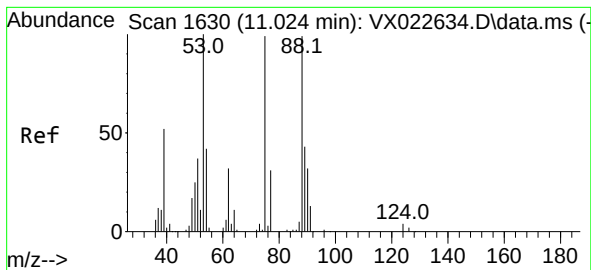
Tgt Ion:152 Resp: 38566  
 Ion Ratio Lower Upper  
 152 100  
 115 66.8 41.1 123.3  
 150 162.4 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 27.516 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX022769.D  
 Acq: 18 Jun 2021 15:48

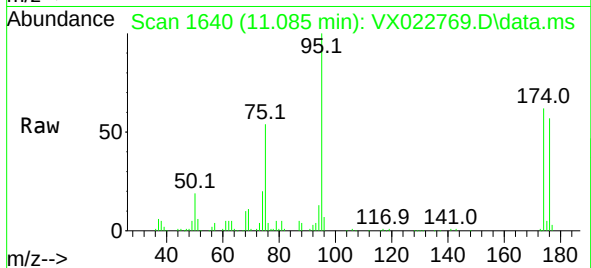
Tgt Ion: 75 Resp: 28136  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 68.678 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. 0.061 min  
 Lab File: VX022769.D  
 Acq: 18 Jun 2021 15:48

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE120D2-20210615DL



Tgt Ion: 75 Resp: 28136  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.5 111.7#  
 89 0.0 37.9 56.9#

