

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW052621\  
 Data File : VW021415.D  
 Acq On : 26 May 2021 11:02  
 Operator : SY/MD  
 Sample : M2250-02  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL-WATER-QT3-2021-06

Quant Time: May 27 02:04:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR052521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu May 27 02:03:26 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 265898   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 246389   | 5.00     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 138524   | 5.00     | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65    | 48062    | 4.27     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 85.40%   |
| 7) Chloroethane-d5            | 1.564  | 69    | 48128    | 4.48     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 89.60%   |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63    | 69041    | 3.24     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 64.80%   |
| 20) 2-Butanone-d5             | 3.918  | 46    | 186056   | 46.01    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 92.02%   |
| 24) Chloroform-d              | 4.349  | 84    | 136754   | 4.38     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.60%   |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 67818    | 4.73     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.60%   |
| 32) Benzene-d6                | 5.050  | 84    | 272122   | 4.59     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.80%   |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 88460    | 4.60     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.00%   |
| 41) Toluene-d8                | 7.316  | 98    | 248337   | 4.57     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.40%   |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 35177    | 4.40     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 88.00%   |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 178185   | 47.29    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 94.58%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 70925    | 4.58     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 91.60%   |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 109684   | 4.59     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 91.80%   |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 3817     | 0.21     | ug/L   | 93       |
| 3) Chloromethane              | 1.236  | 50    | 3533     | 0.23     | ug/L   | 94       |
| 5) Vinyl chloride             | 1.307  | 62    | 3592     | 0.22     | ug/L # | 75       |
| 6) Bromomethane               | 1.519  | 94    | 2470     | 0.23     | ug/L   | 90       |
| 8) Chloroethane               | 1.580  | 64    | 2081     | 0.21     | ug/L   | 88       |
| 9) Trichlorofluoromethane     | 1.748  | 101   | 5192     | 0.21     | ug/L   | 91       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108  | 101   | 3852     | 0.28     | ug/L # | 86       |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 3462     | 0.26     | ug/L # | 1        |
| 14) Carbon disulfide          | 2.288  | 76    | 9507     | 0.21     | ug/L   | 97       |
| 15) Methyl Acetate            | 2.461  | 43    | 1121     | 0.21     | ug/L # | 89       |
| 16) Methylene chloride        | 2.503  | 84    | 13019    | 0.60     | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 2.773  | 73    | 7905     | 0.21     | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.760  | 96    | 3369     | 0.20     | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 5600     | 0.19     | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 4011     | 0.22     | ug/L   | 98       |
| 23) Bromochloromethane        | 4.255  | 128   | 1693     | 0.21     | ug/L   | 94       |
| 25) Chloroform                | 4.378  | 83    | 7553     | 0.25     | ug/L   | 95       |
| 27) 1,2-Dichloroethane        | 5.140  | 62    | 3712     | 0.23     | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 4.606  | 97    | 5948     | 0.22     | ug/L   | 98       |

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 Data File : VW021415.D  
 Acq On : 26 May 2021 11:02  
 Operator : SY/MD  
 Sample : M2250-02  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

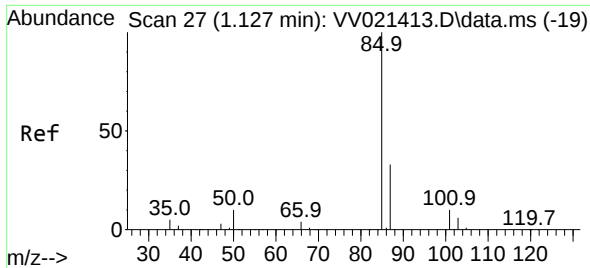
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL-WATER-QT3-2021-06

Quant Time: May 27 02:04:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR052521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu May 27 02:03:26 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 30) Cyclohexane               | 4.677  | 56   | 5496     | 0.20 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 5174     | 0.21 | ug/L   | 99       |
| 33) Benzene                   | 5.108  | 78   | 14075    | 0.22 | ug/L   | 100      |
| 34) Trichloroethene           | 5.924  | 95   | 3872     | 0.22 | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.130  | 83   | 6716     | 0.23 | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.181  | 63   | 2861     | 0.18 | ug/L # | 85       |
| 38) Bromodichloromethane      | 6.516  | 83   | 4472     | 0.21 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 7.037  | 75   | 5594     | 0.22 | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 7.236  | 43   | 19185    | 1.97 | ug/L # | 83       |
| 42) Toluene                   | 7.394  | 91   | 17794    | 0.25 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 7.661  | 75   | 5661     | 0.27 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 7.847  | 97   | 2401     | 0.20 | ug/L   | 95       |
| 47) Tetrachloroethene         | 7.979  | 164  | 3549     | 0.22 | ug/L   | 97       |
| 48) 2-Hexanone                | 8.149  | 43   | 14584    | 2.20 | ug/L # | 96       |
| 49) Dibromochloromethane      | 8.249  | 129  | 3133     | 0.20 | ug/L   | 91       |
| 50) 1,2-Dibromoethane         | 8.361  | 107  | 2320     | 0.20 | ug/L # | 93       |
| 51) Chlorobenzene             | 8.886  | 112  | 10021    | 0.21 | ug/L   | 97       |
| 52) Ethylbenzene              | 9.017  | 91   | 16767    | 0.21 | ug/L   | 97       |
| 53) m,p-xylene                | 9.143  | 106  | 6604     | 0.22 | ug/L   | 90       |
| 54) o-xylene                  | 9.548  | 106  | 6409     | 0.21 | ug/L   | 88       |
| 55) Styrene                   | 9.570  | 104  | 10101    | 0.20 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 10.246 | 83   | 3281     | 0.24 | ug/L # | 93       |
| 59) Bromoform                 | 9.734  | 173  | 1861     | 0.19 | ug/L # | 96       |
| 60) Isopropylbenzene          | 9.934  | 105  | 17013    | 0.21 | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 2060     | 0.21 | ug/L   | 92       |
| 62) 1,3,5-Trimethylbenzene    | 10.541 | 105  | 14918    | 0.21 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.918 | 105  | 15245    | 0.21 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.184 | 146  | 8254     | 0.20 | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 8468     | 0.21 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 8011     | 0.21 | ug/L   | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 12.435 | 75   | 405      | 0.17 | ug/L # | 79       |
| 69) 1,3,5-Trichlorobenzene    | 12.651 | 180  | 7183     | 0.20 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.265 | 180  | 5970     | 0.20 | ug/L   | 99       |
| 71) Naphthalene               | 13.509 | 128  | 7678     | 0.16 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.747 | 180  | 5134     | 0.19 | ug/L   | 98       |

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

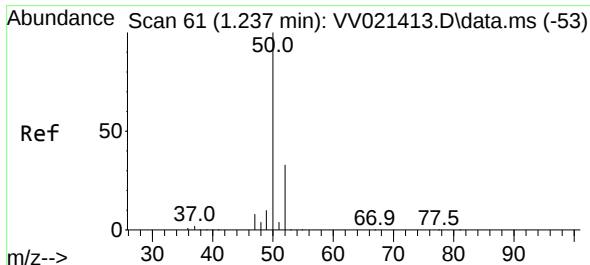
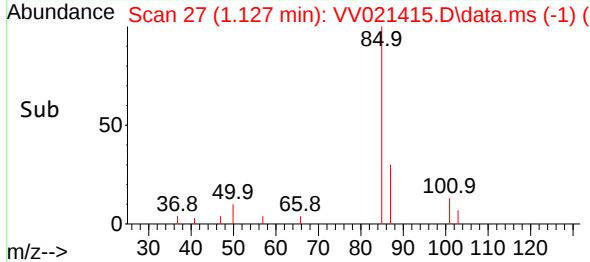
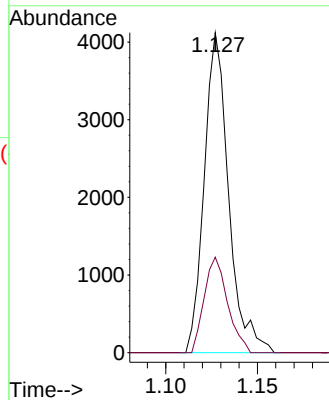
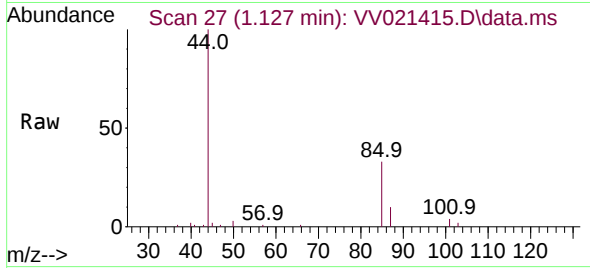




#2  
 Dichlorodifluoromethane  
 Concen: 0.21 ug/L  
 RT: 1.127 min Scan# 27  
 Delta R.T. -0.000 min  
 Lab File: VV021415.D  
 Acq: 26 May 2021 11:02

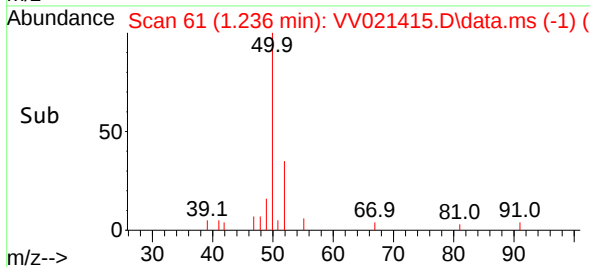
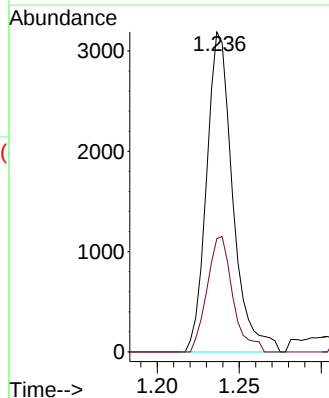
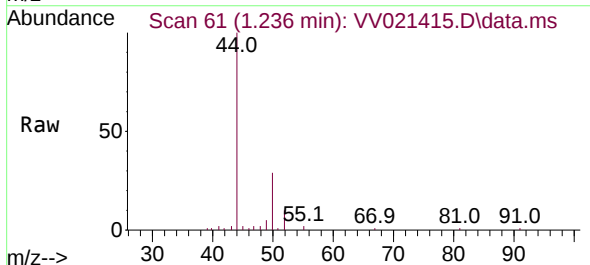
Instrument :  
 MSVOA\_V  
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 MDL-WATER-QT3-2021-06

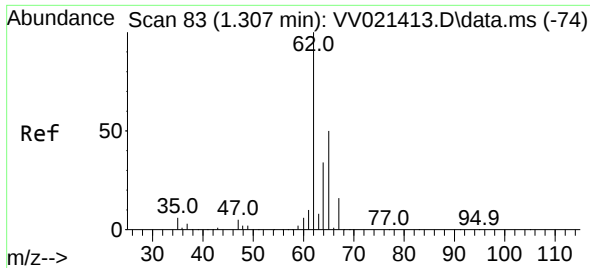
Tgt Ion: 85 Resp: 3817  
 Ion Ratio Lower Upper  
 85 100  
 87 28.6 26.1 39.1



#3  
 Chloromethane  
 Concen: 0.23 ug/L  
 RT: 1.236 min Scan# 61  
 Delta R.T. -0.000 min  
 Lab File: VV021415.D  
 Acq: 26 May 2021 11:02

Tgt Ion: 50 Resp: 3533  
 Ion Ratio Lower Upper  
 50 100  
 52 35.4 22.6 42.0

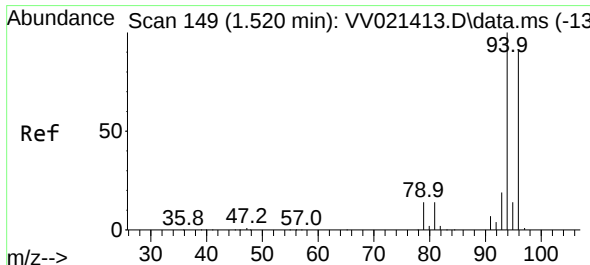
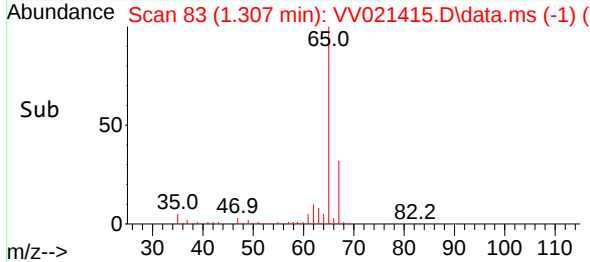
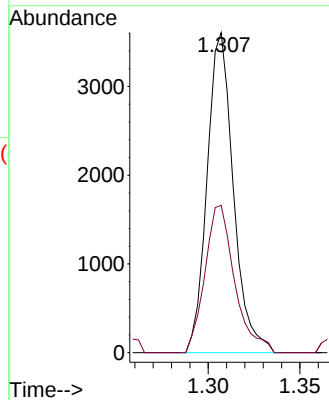
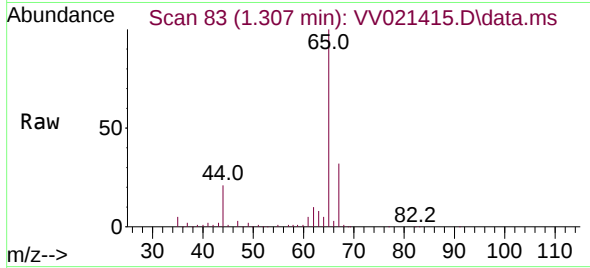




#5  
 Vinyl chloride  
 Concen: 0.22 ug/L  
 RT: 1.307 min Scan# 83  
 Delta R.T. -0.000 min  
 Lab File: VV021415.D  
 Acq: 26 May 2021 11:02

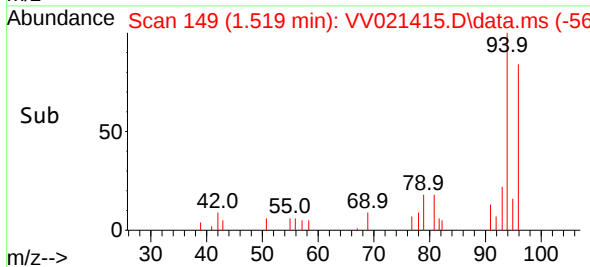
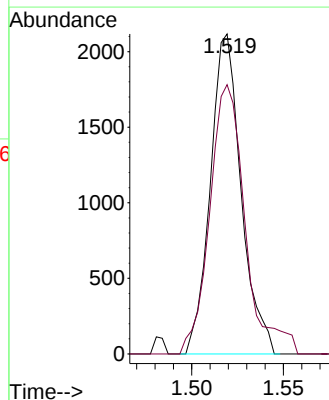
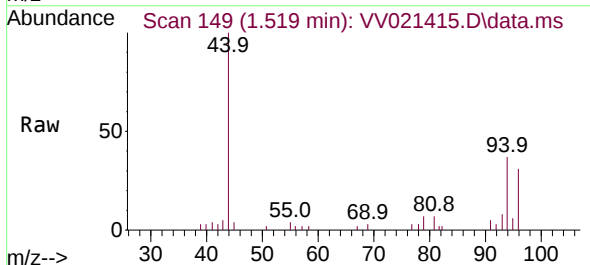
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL-WATER-QT3-2021-06

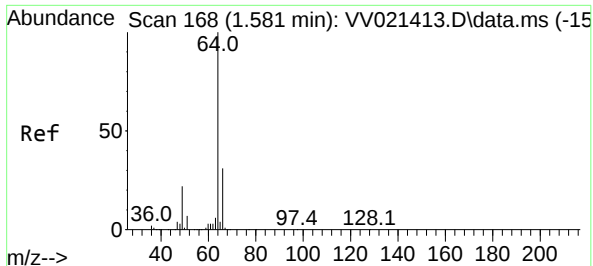
Tgt Ion: 62 Resp: 3592  
 Ion Ratio Lower Upper  
 62 100  
 64 46.1 22.6 42.0#



#6  
 Bromomethane  
 Concen: 0.23 ug/L  
 RT: 1.519 min Scan# 149  
 Delta R.T. -0.000 min  
 Lab File: VV021415.D  
 Acq: 26 May 2021 11:02

Tgt Ion: 94 Resp: 2470  
 Ion Ratio Lower Upper  
 94 100  
 96 84.1 65.9 122.3

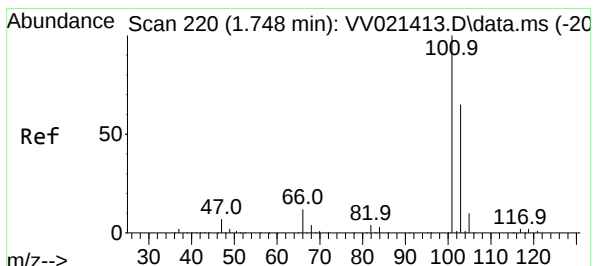
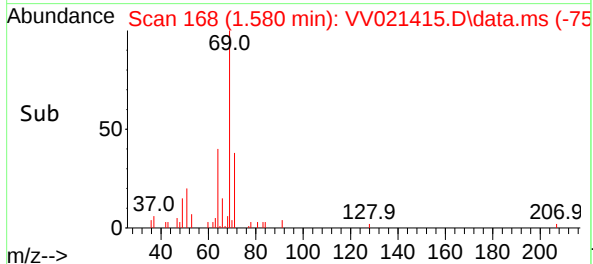
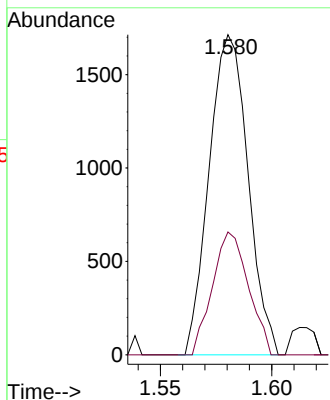
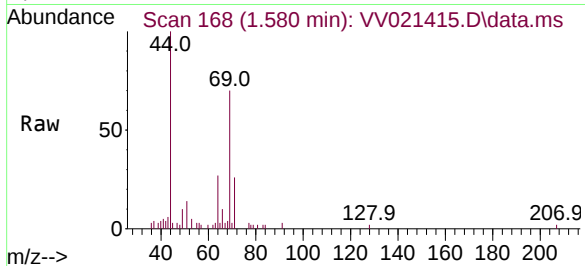




#8  
Chloroethane  
Concen: 0.21 ug/L  
RT: 1.580 min Scan# 168  
Delta R.T. -0.000 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

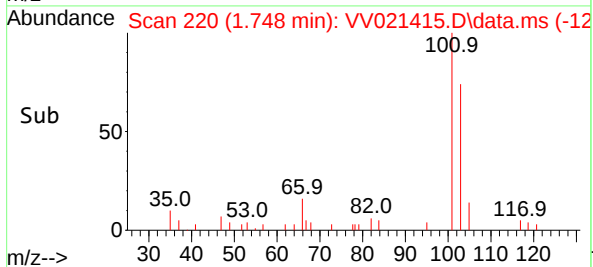
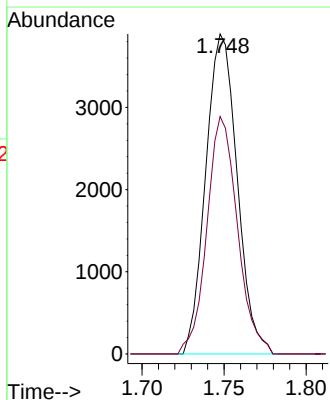
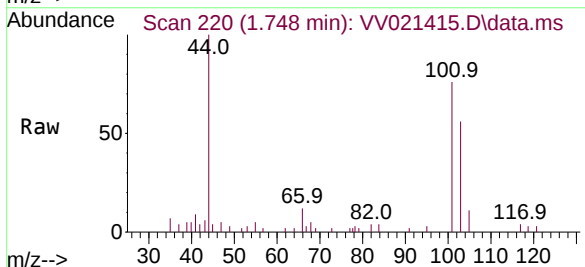
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

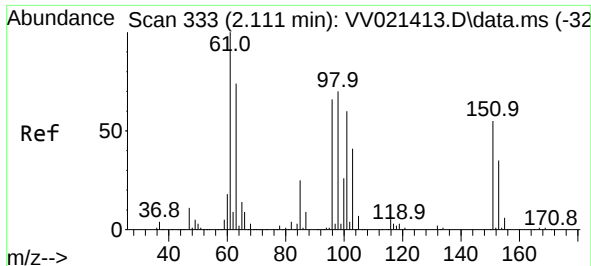
Tgt Ion: 64 Resp: 2081  
Ion Ratio Lower Upper  
64 100  
66 38.4 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 0.21 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. -0.000 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

Tgt Ion: 101 Resp: 5192  
Ion Ratio Lower Upper  
101 100  
103 72.1 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.28 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.003 min

Lab File: VV021415.D

Acq: 26 May 2021 11:02

Tgt Ion:101 Resp: 3852

Ion Ratio Lower Upper

101 100

85 38.2 32.6 48.8

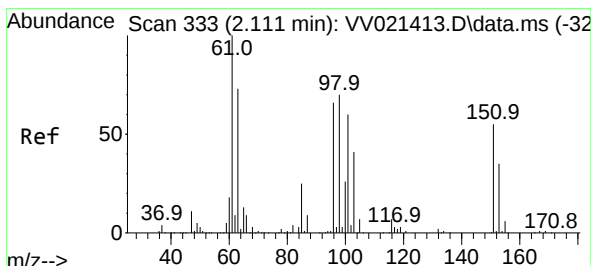
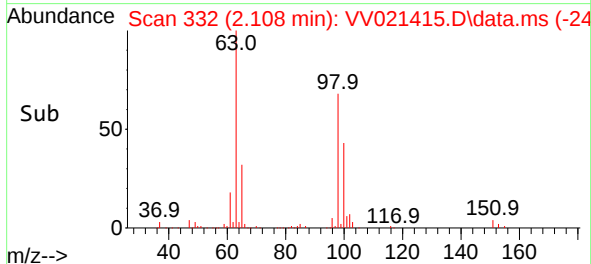
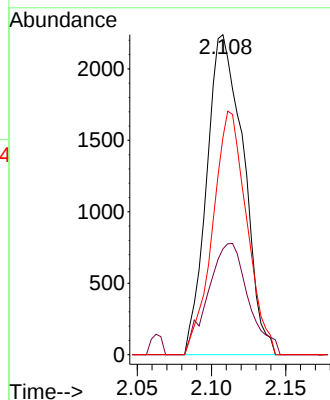
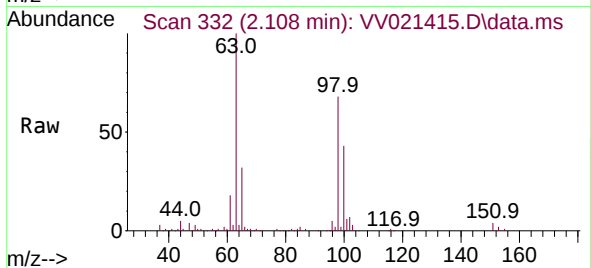
151 70.6 70.7 106.1#

Instrument :

MSVOA\_V

ClientSampleId :

MDL-WATER-QT3-2021-06



#12

1,1-Dichloroethene

Concen: 0.26 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.003 min

Lab File: VV021415.D

Acq: 26 May 2021 11:02

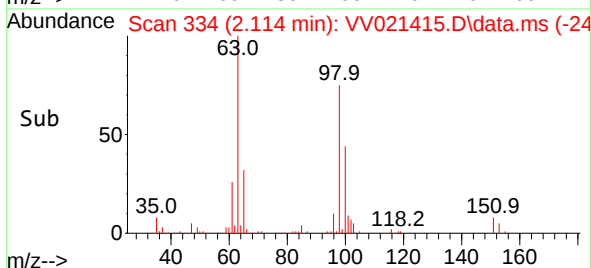
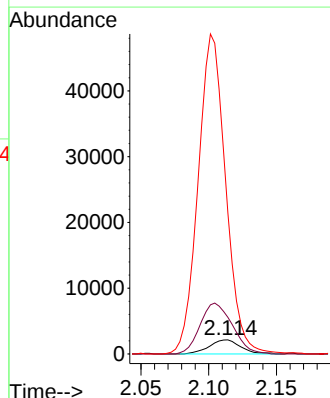
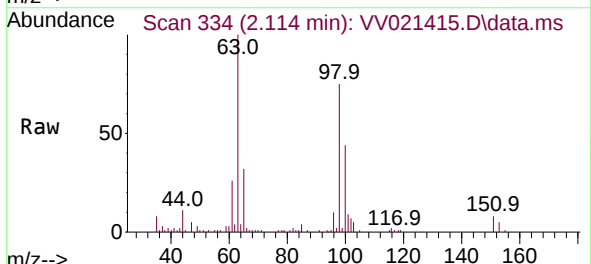
Tgt Ion: 96 Resp: 3462

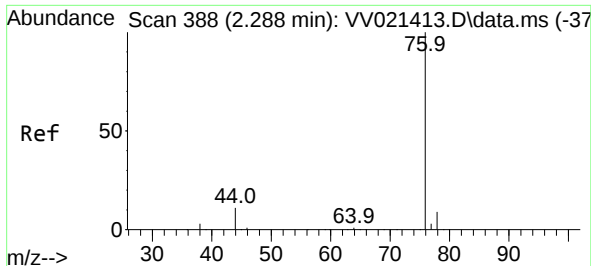
Ion Ratio Lower Upper

96 100

61 260.9 103.7 192.5#

63 1007.2 62.4 115.8#

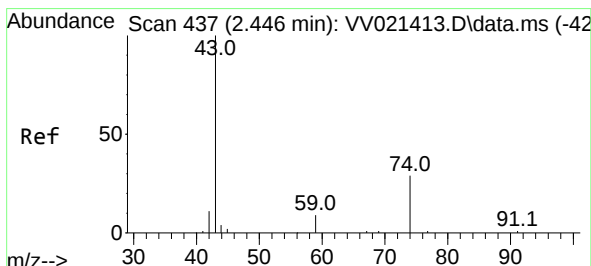
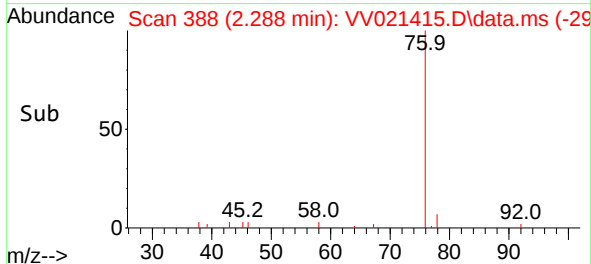
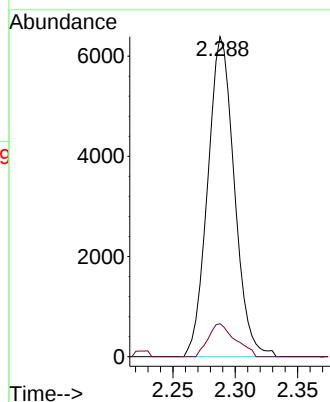
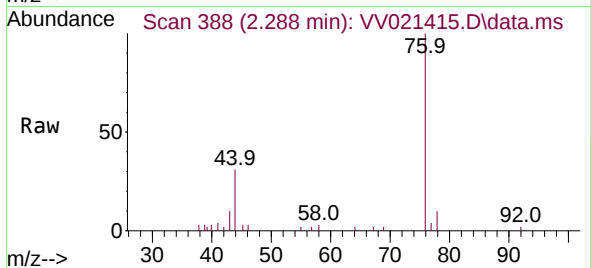




#14  
Carbon disulfide  
Concen: 0.21 ug/L  
RT: 2.288 min Scan# 388  
Delta R.T. -0.000 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

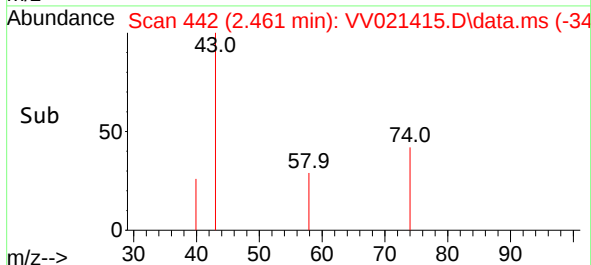
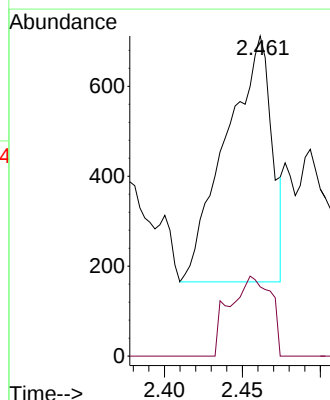
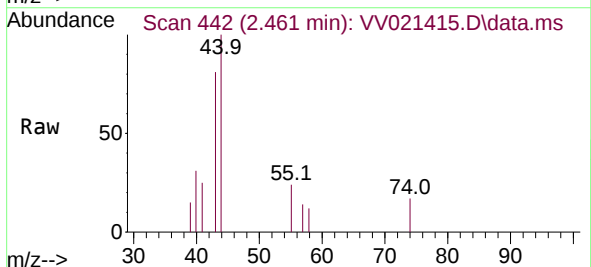
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

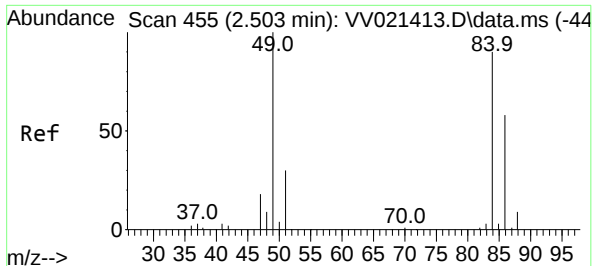
Tgt Ion: 76 Resp: 9507  
Ion Ratio Lower Upper  
76 100  
78 10.3 7.4 11.0



#15  
Methyl Acetate  
Concen: 0.21 ug/L  
RT: 2.461 min Scan# 442  
Delta R.T. 0.016 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

Tgt Ion: 43 Resp: 1121  
Ion Ratio Lower Upper  
43 100  
74 28.8 18.8 28.2#

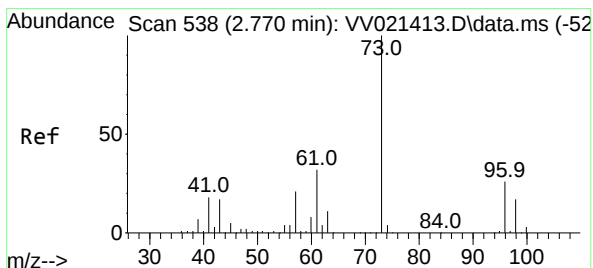
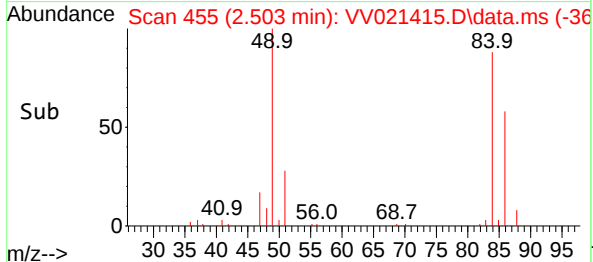
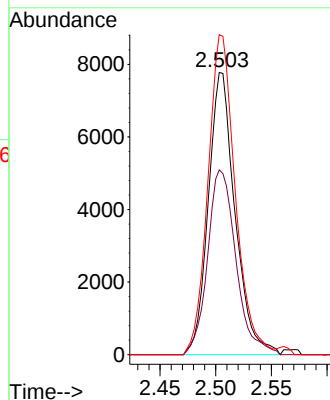
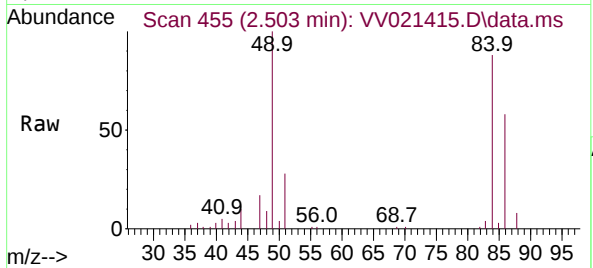




#16  
Methylene chloride  
Concen: 0.60 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. -0.000 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

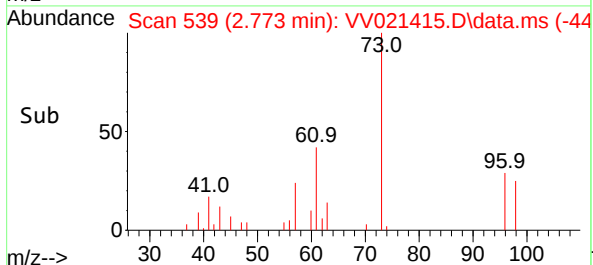
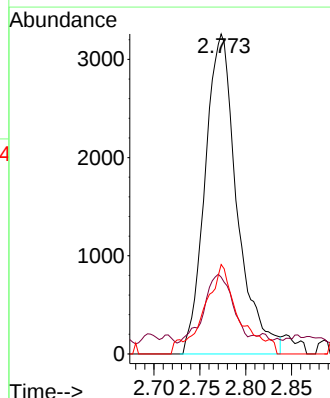
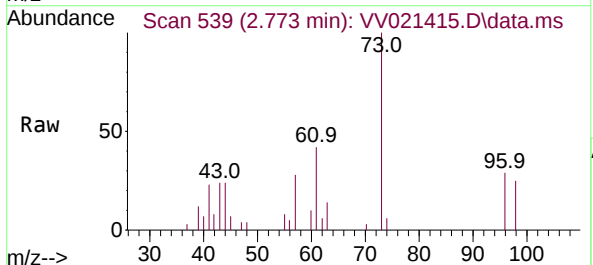
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

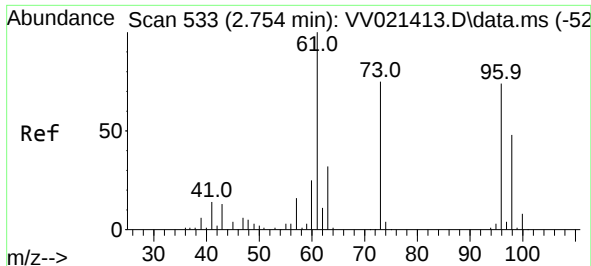
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 13019 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 65.5  | 44.7  | 82.9  |
| 49       | 113.4 | 82.7  | 153.5 |



#17  
Methyl tert-butyl Ether  
Concen: 0.21 ug/L  
RT: 2.773 min Scan# 539  
Delta R.T. 0.003 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 73    | Resp: | 7905  |
| Ion      | Ratio | Lower | Upper |
| 73       | 100   |       |       |
| 43       | 19.5  | 13.4  | 20.2  |
| 57       | 22.9  | 17.8  | 26.8  |

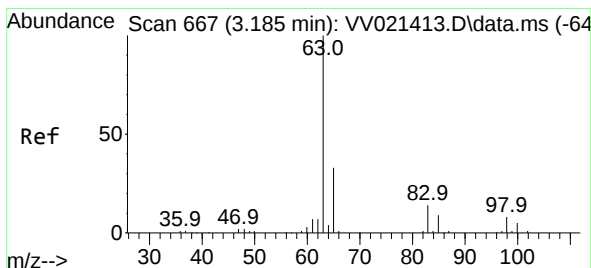
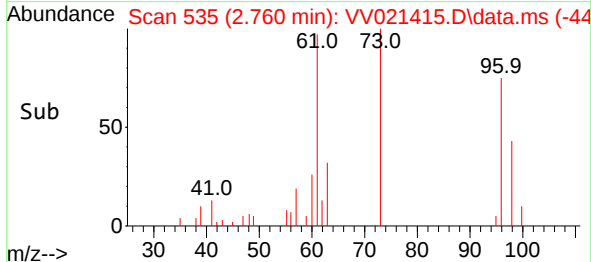
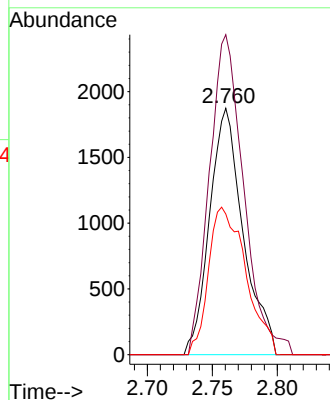
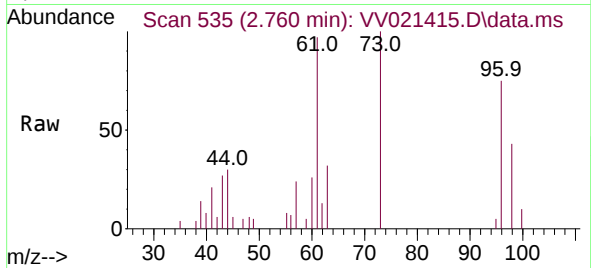




#18  
trans-1,2-Dichloroethene  
Concen: 0.20 ug/L  
RT: 2.760 min Scan# 535  
Delta R.T. 0.006 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

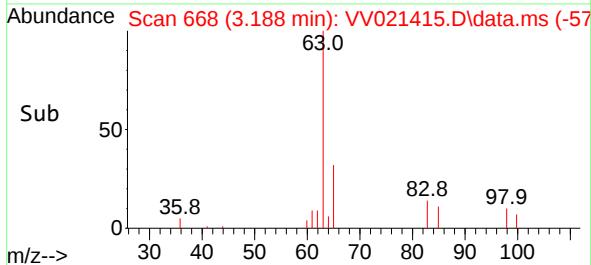
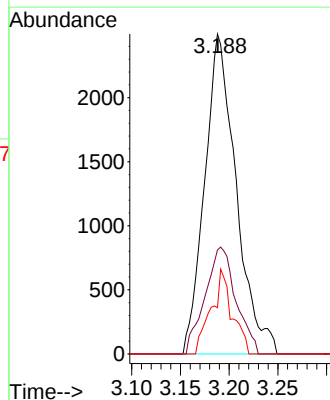
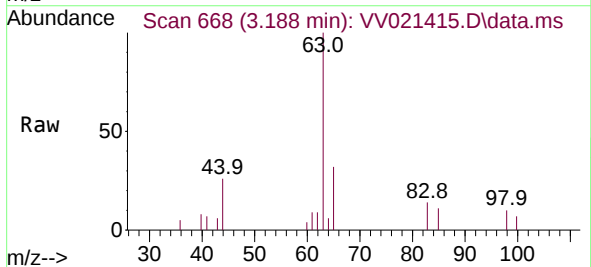
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

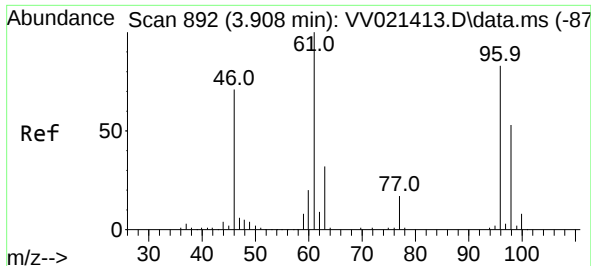
Tgt Ion: 96 Resp: 3369  
Ion Ratio Lower Upper  
96 100  
61 129.8 88.7 164.7  
98 57.0 44.4 82.4



#19  
1,1-Dichloroethane  
Concen: 0.19 ug/L  
RT: 3.188 min Scan# 668  
Delta R.T. 0.003 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

Tgt Ion: 63 Resp: 5600  
Ion Ratio Lower Upper  
63 100  
65 32.5 23.2 43.2  
83 14.5 9.4 17.4

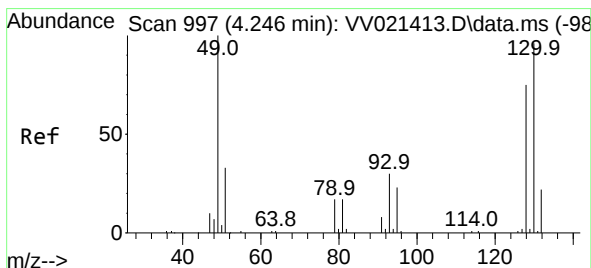
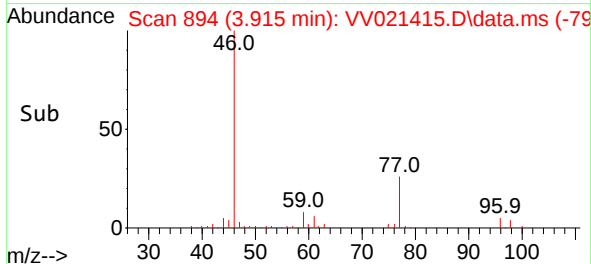
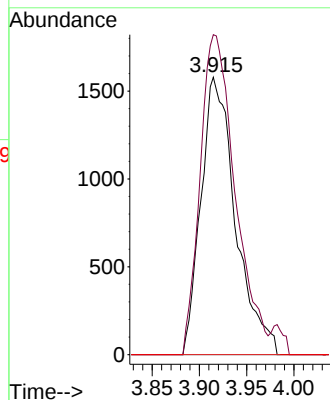
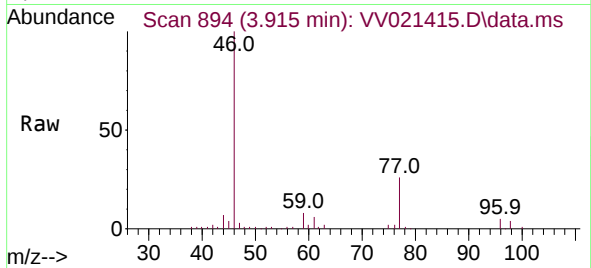




#22  
cis-1,2-Dichloroethene  
Concen: 0.22 ug/L  
RT: 3.915 min Scan# 894  
Delta R.T. 0.006 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

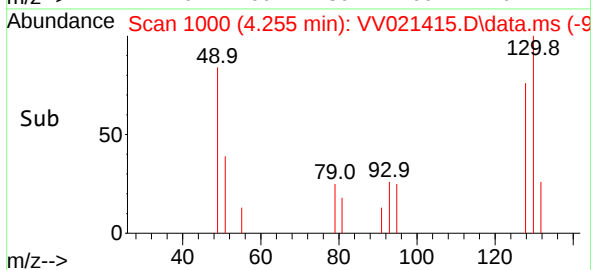
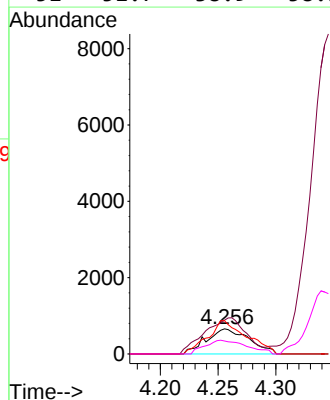
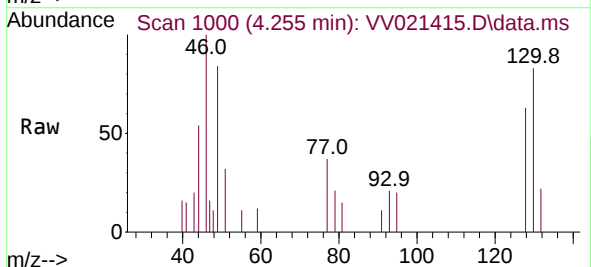
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

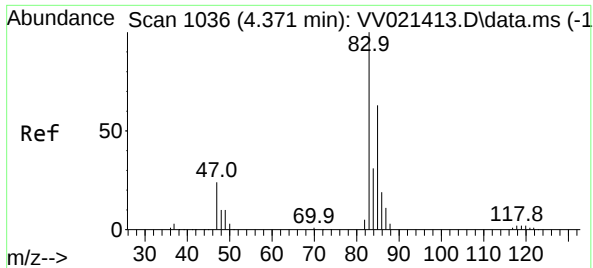
|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 96 | Resp: | 4011       |
| Ion Ratio   | Lower | Upper      |
| 96          | 100   |            |
| 61          | 115.3 | 81.9 152.1 |
| 68          | 0.0   | 0.0 0.0    |



#23  
Bromochloromethane  
Concen: 0.21 ug/L  
RT: 4.255 min Scan# 1000  
Delta R.T. 0.009 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

|              |       |             |
|--------------|-------|-------------|
| Tgt Ion: 128 | Resp: | 1693        |
| Ion Ratio    | Lower | Upper       |
| 128          | 100   |             |
| 49           | 134.2 | 102.3 190.1 |
| 130          | 132.4 | 94.3 175.1  |
| 51           | 51.7  | 38.9 58.3   |

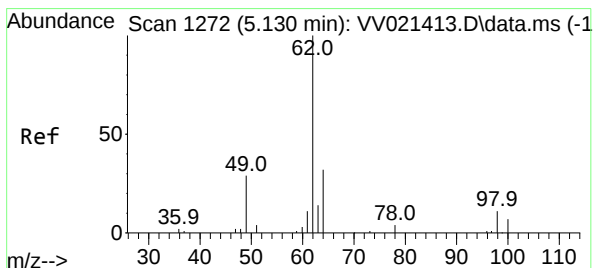
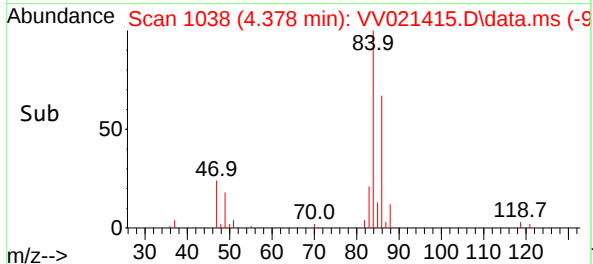
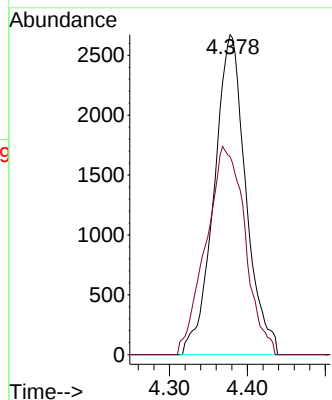
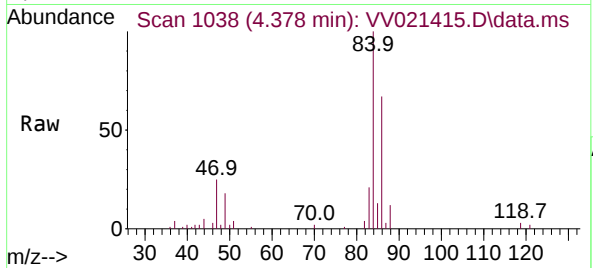




#25  
Chloroform  
Concen: 0.25 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

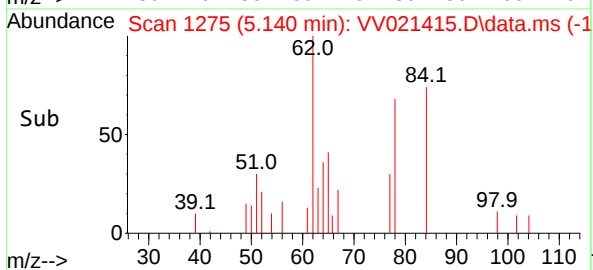
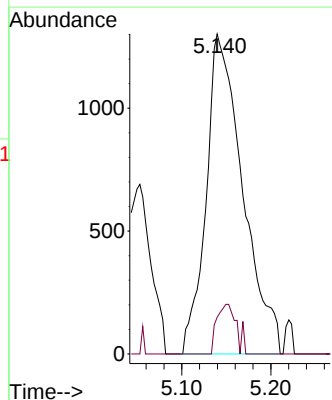
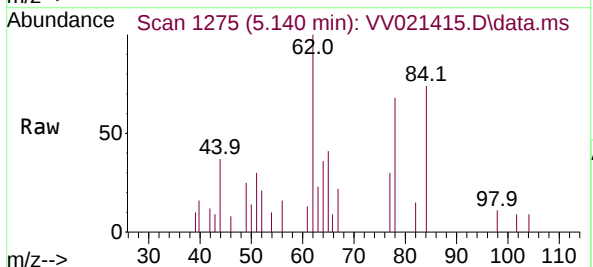
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

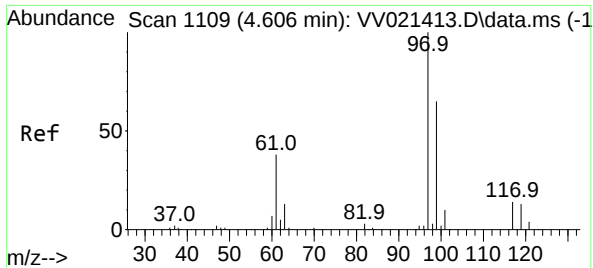
Tgt Ion: 83 Resp: 7553  
Ion Ratio Lower Upper  
83 100  
85 61.9 45.8 85.2



#27  
1,2-Dichloroethane  
Concen: 0.23 ug/L  
RT: 5.140 min Scan# 1275  
Delta R.T. 0.009 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

Tgt Ion: 62 Resp: 3712  
Ion Ratio Lower Upper  
62 100  
98 11.4 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 0.22 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VV021415.D

Acq: 26 May 2021 11:02

Tgt Ion: 97 Resp: 5948

Ion Ratio Lower Upper

97 100

99 65.5 50.6 75.8

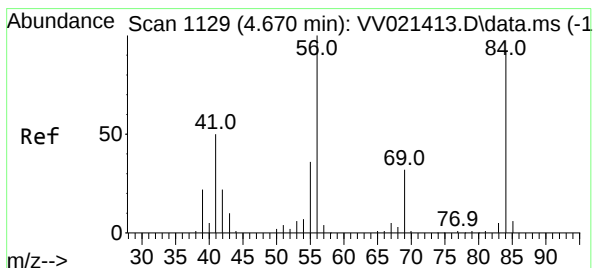
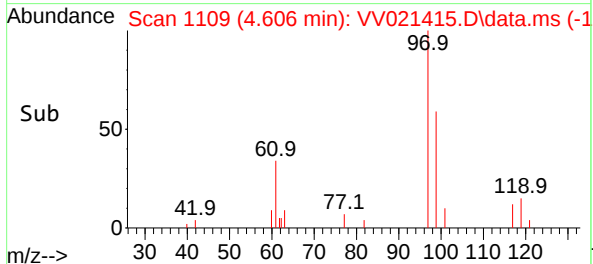
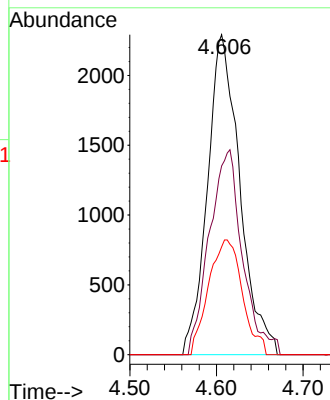
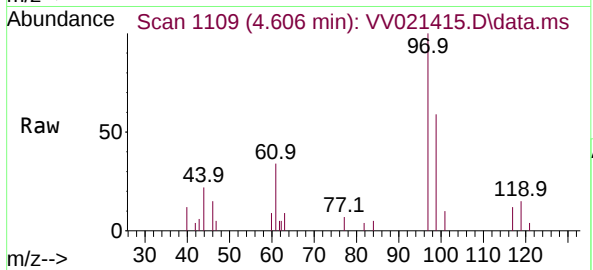
61 37.4 30.4 45.6

Instrument :

MSVOA\_V

ClientSampleId :

MDL-WATER-QT3-2021-06



#30

Cyclohexane

Concen: 0.20 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VV021415.D

Acq: 26 May 2021 11:02

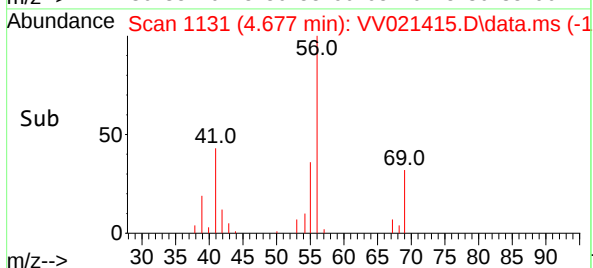
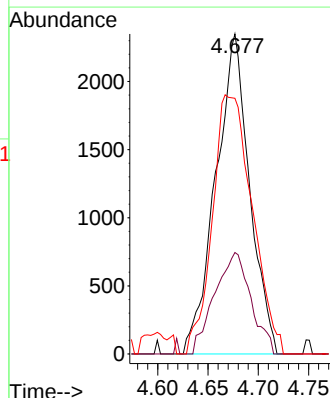
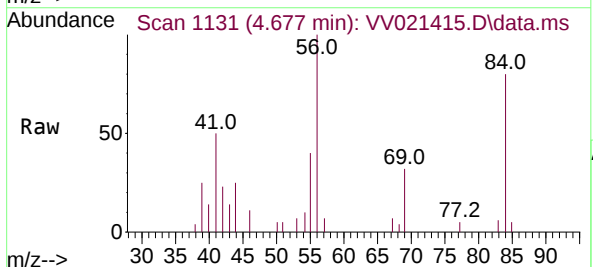
Tgt Ion: 56 Resp: 5496

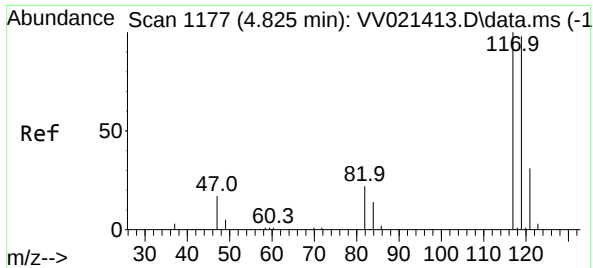
Ion Ratio Lower Upper

56 100

69 33.9 25.2 37.8

84 95.0 72.7 109.1

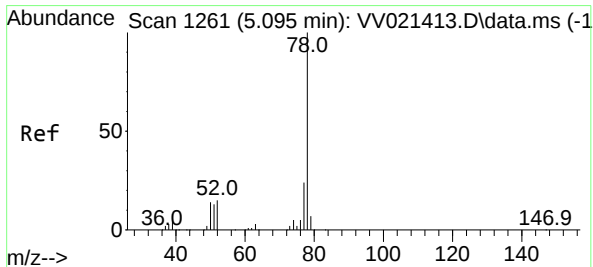
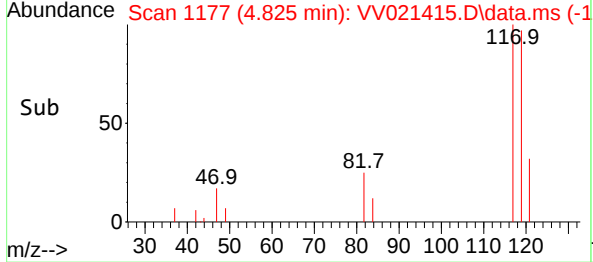
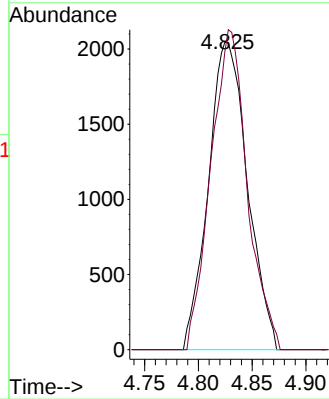
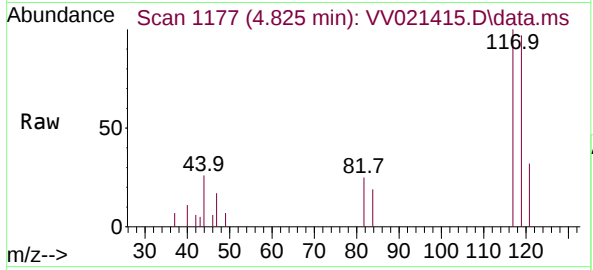




#31  
Carbon tetrachloride  
Concen: 0.21 ug/L  
RT: 4.825 min Scan# 1177  
Delta R.T. -0.000 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

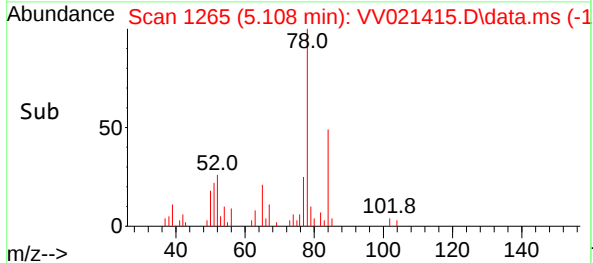
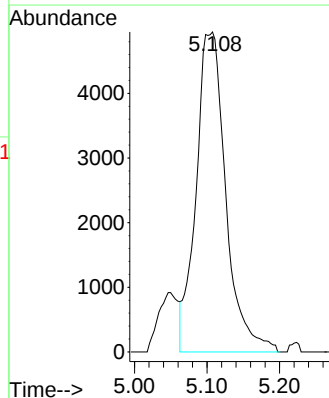
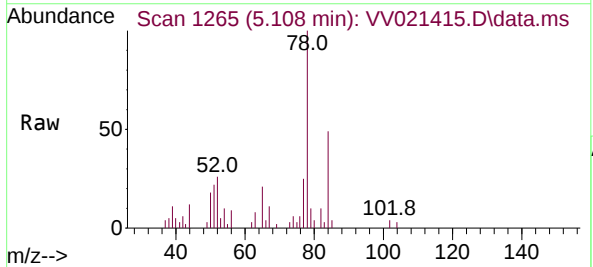
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

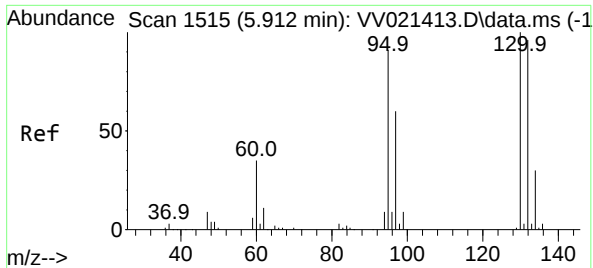
Tgt Ion:117 Resp: 5174  
Ion Ratio Lower Upper  
117 100  
119 96.8 77.0 115.6



#33  
Benzene  
Concen: 0.22 ug/L  
RT: 5.108 min Scan# 1265  
Delta R.T. 0.013 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

Tgt Ion: 78 Resp: 14075





#34

Trichloroethene

Concen: 0.22 ug/L

RT: 5.924 min Scan# 1519

Delta R.T. 0.013 min

Lab File: VV021415.D

Acq: 26 May 2021 11:02

Tgt Ion: 95 Resp: 3872

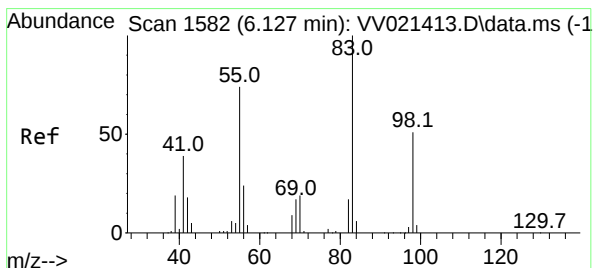
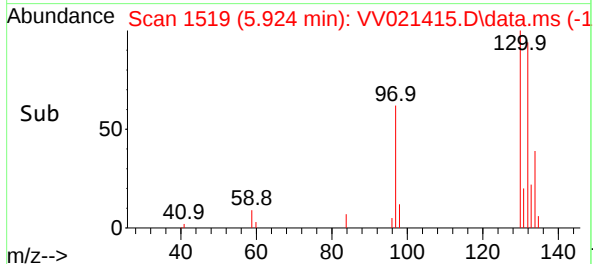
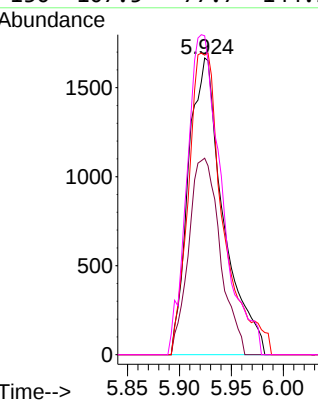
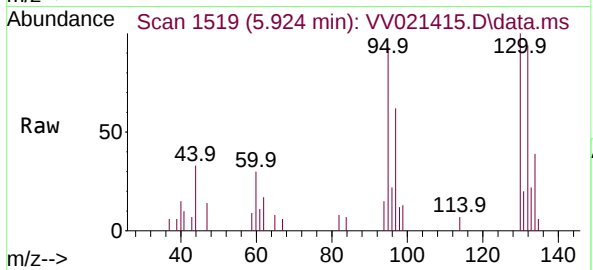
Ion Ratio Lower Upper

95 100

97 66.2 45.4 84.4

132 101.0 74.5 138.3

130 107.5 77.7 144.3



#35

Methylcyclohexane

Concen: 0.23 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.003 min

Lab File: VV021415.D

Acq: 26 May 2021 11:02

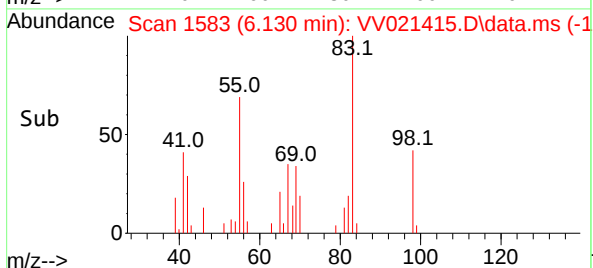
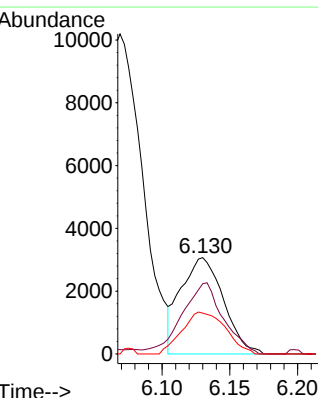
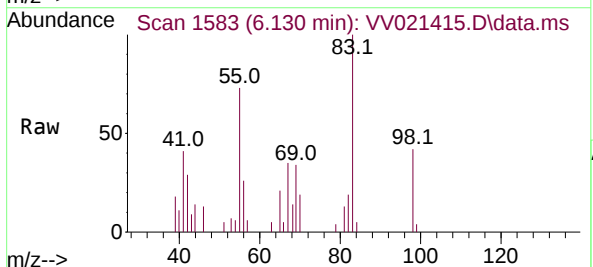
Tgt Ion: 83 Resp: 6716

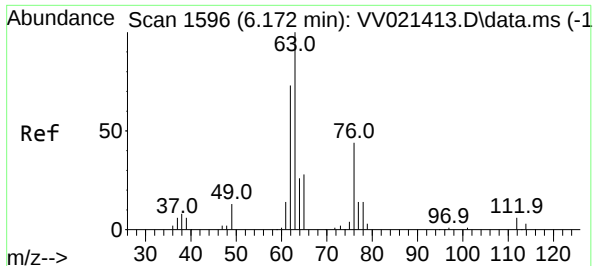
Ion Ratio Lower Upper

83 100

55 71.6 57.7 86.5

98 44.3 40.6 61.0





#37

1,2-Dichloropropane

Concen: 0.18 ug/L

RT: 6.181 min Scan# 1599

Delta R.T. 0.009 min

Lab File: VV021415.D

Acq: 26 May 2021 11:02

Tgt Ion: 63 Resp: 2861

Ion Ratio Lower Upper

63 100

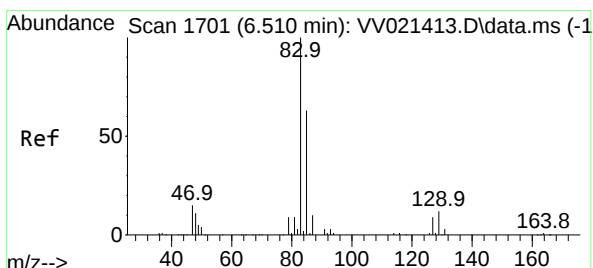
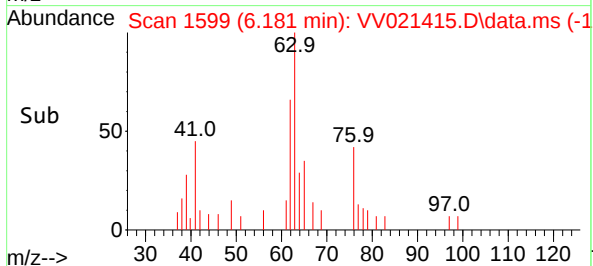
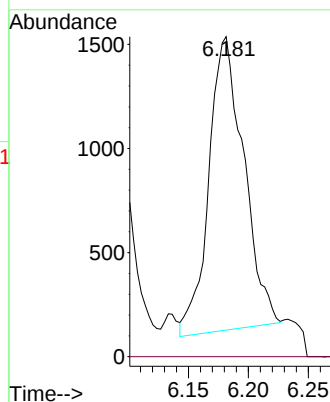
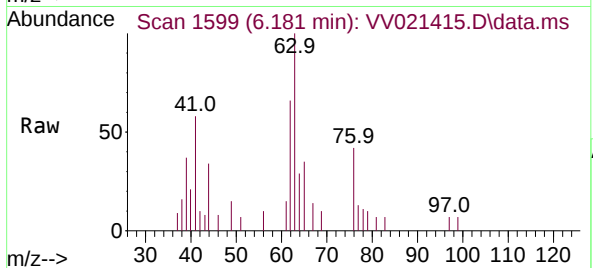
112 0.0 3.8 5.8#

Instrument :

MSVOA\_V

ClientSampleId :

MDL-WATER-QT3-2021-06



#38

Bromodichloromethane

Concen: 0.21 ug/L

RT: 6.516 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VV021415.D

Acq: 26 May 2021 11:02

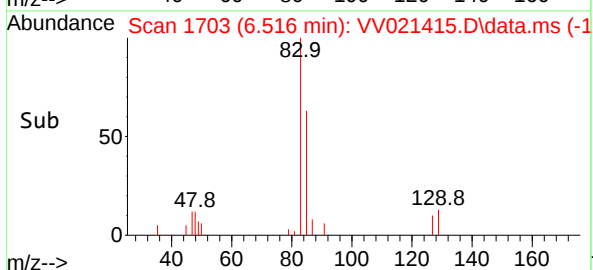
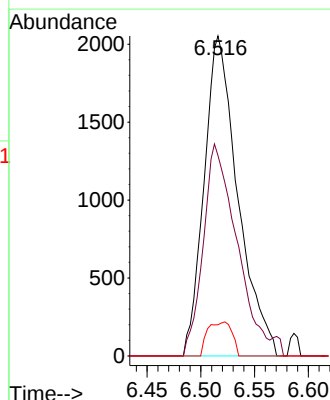
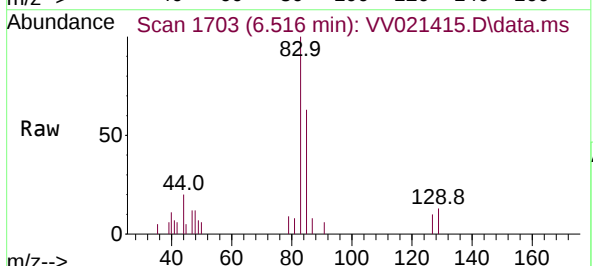
Tgt Ion: 83 Resp: 4472

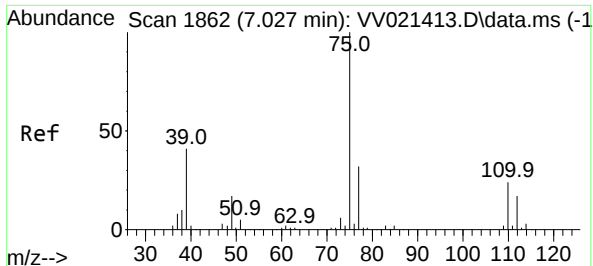
Ion Ratio Lower Upper

83 100

85 62.6 46.2 85.8

127 9.7 7.3 10.9

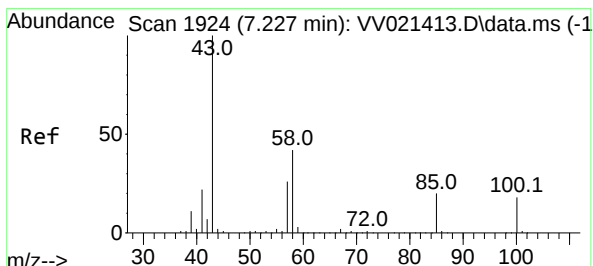
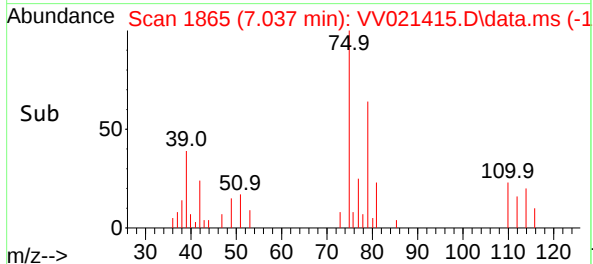
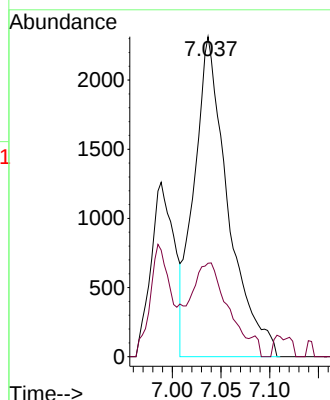
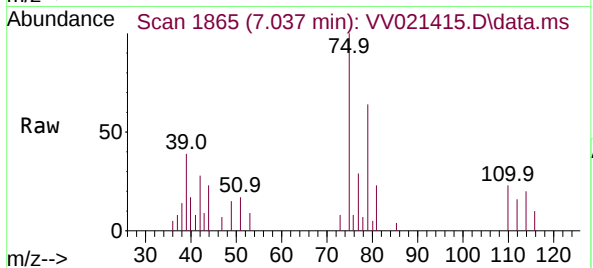




#39  
cis-1,3-Dichloropropene  
Concen: 0.22 ug/L  
RT: 7.037 min Scan# 1865  
Delta R.T. 0.009 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

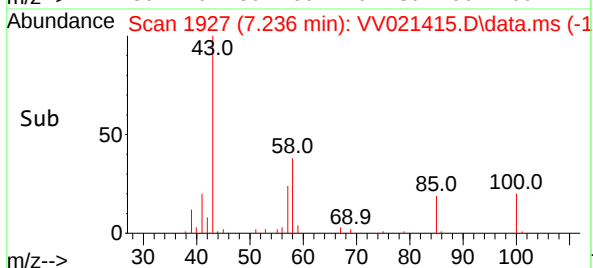
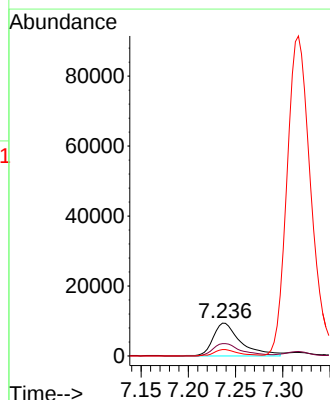
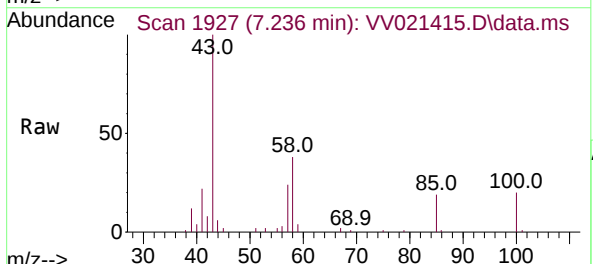
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

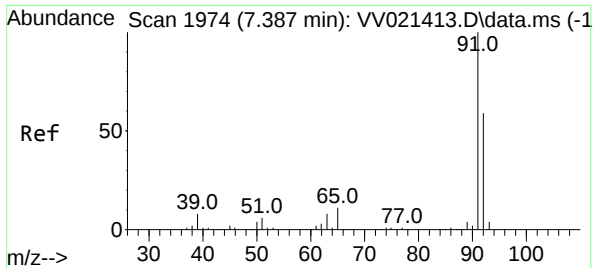
Tgt Ion: 75 Resp: 5594  
Ion Ratio Lower Upper  
75 100  
77 29.2 22.8 42.4



#40  
4-Methyl-2-pentanone  
Concen: 1.97 ug/L  
RT: 7.236 min Scan# 1927  
Delta R.T. 0.009 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

Tgt Ion: 43 Resp: 19185  
Ion Ratio Lower Upper  
43 100  
58 38.3 33.9 50.9  
100 0.0 14.2 21.4#

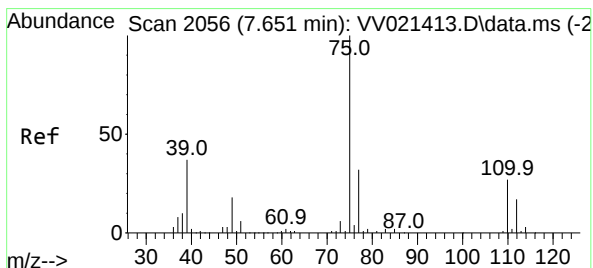
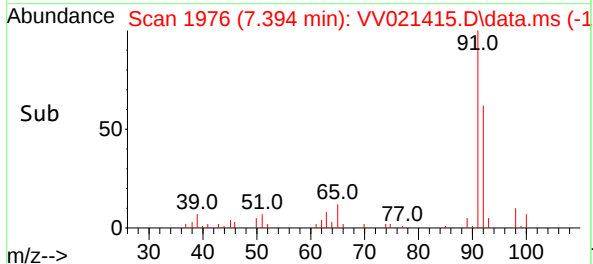
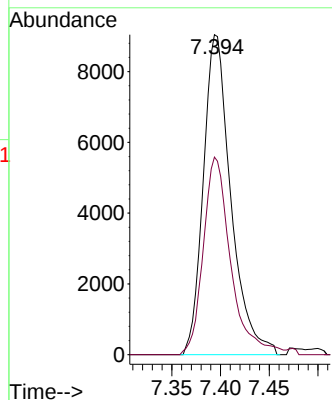
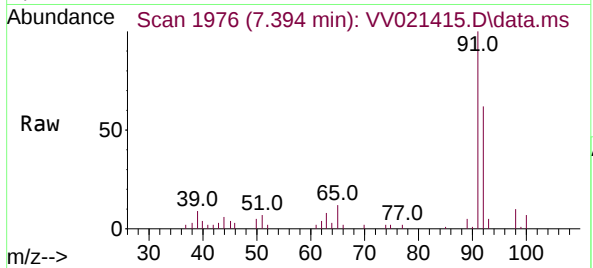




#42  
Toluene  
Concen: 0.25 ug/L  
RT: 7.394 min Scan# 1976  
Delta R.T. 0.006 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

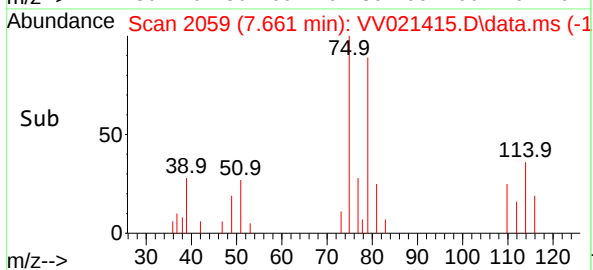
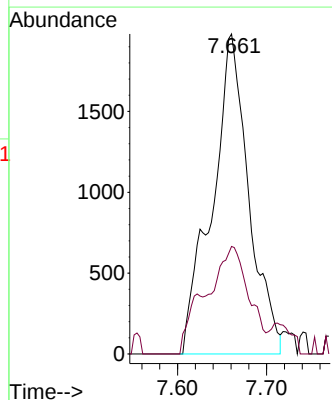
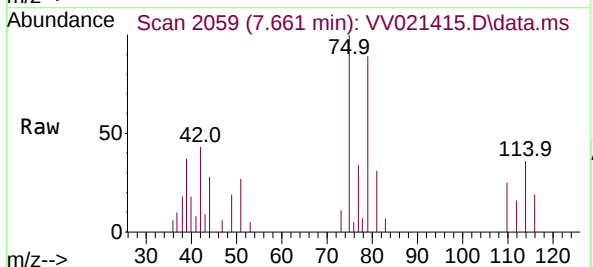
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

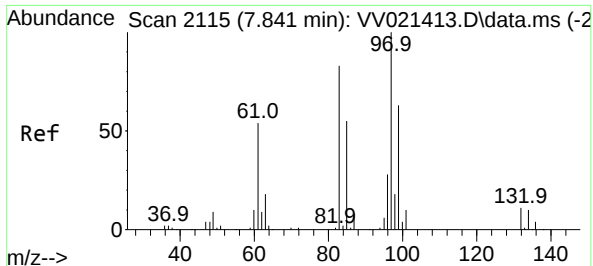
Tgt Ion: 91 Resp: 17794  
Ion Ratio Lower Upper  
91 100  
92 61.7 40.9 76.0



#44  
trans-1,3-Dichloropropene  
Concen: 0.27 ug/L  
RT: 7.661 min Scan# 2059  
Delta R.T. 0.009 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

Tgt Ion: 75 Resp: 5661  
Ion Ratio Lower Upper  
75 100  
77 33.6 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 0.20 ug/L

RT: 7.847 min Scan# 2117

Delta R.T. 0.006 min

Lab File: VV021415.D

Acq: 26 May 2021 11:02

Tgt Ion: 97 Resp: 2401

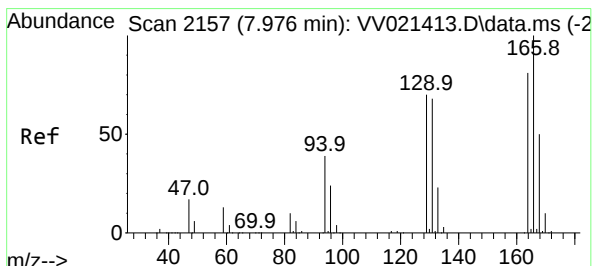
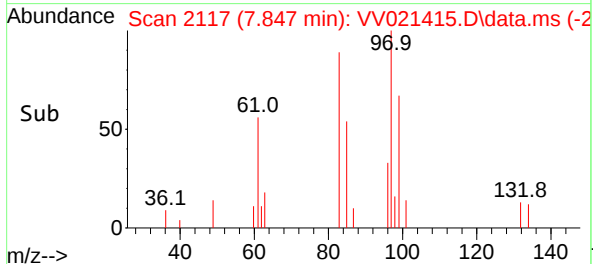
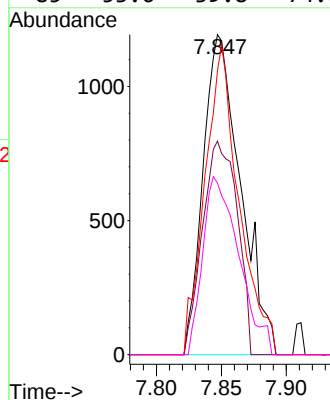
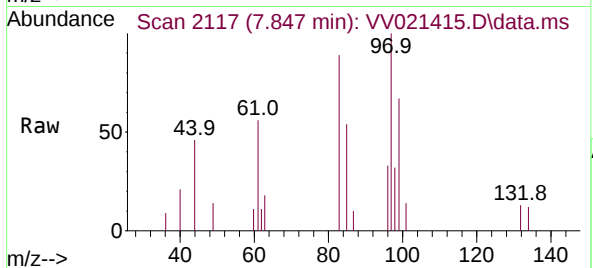
Ion Ratio Lower Upper

97 100

99 66.7 44.0 81.8

83 88.8 59.0 109.6

85 53.6 39.8 74.0



#47

Tetrachloroethene

Concen: 0.22 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV021415.D

Acq: 26 May 2021 11:02

Tgt Ion: 164 Resp: 3549

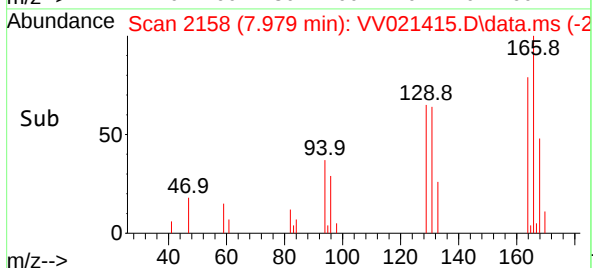
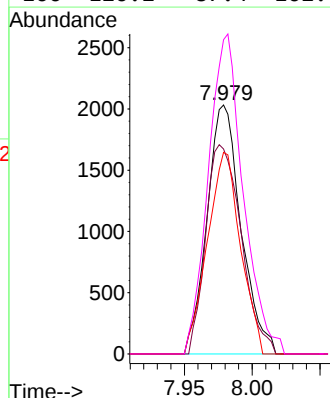
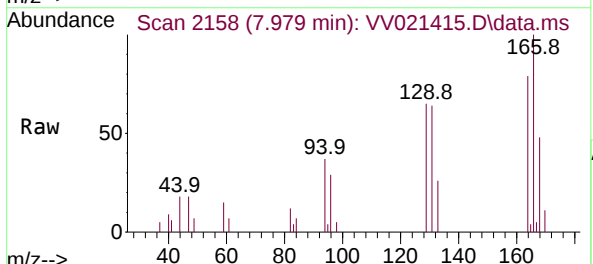
Ion Ratio Lower Upper

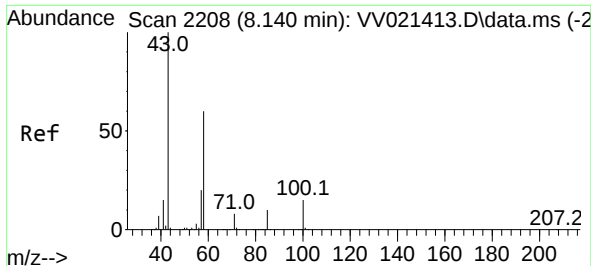
164 100

129 82.3 61.8 114.8

131 81.0 57.8 107.4

166 126.2 87.4 162.4

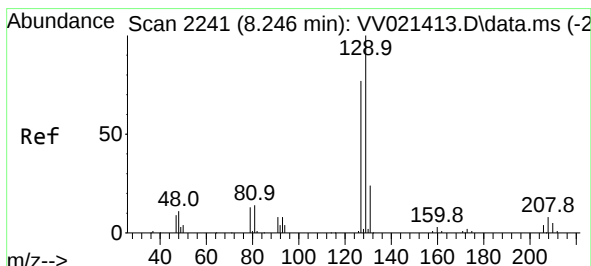
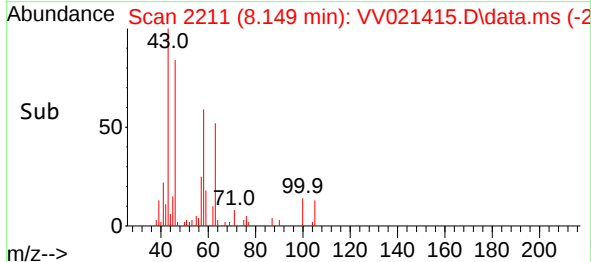
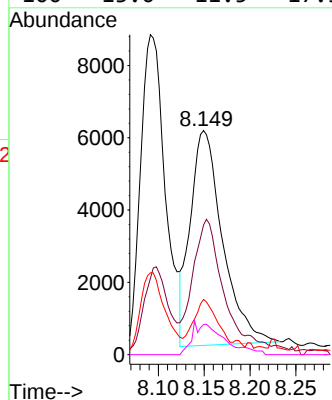
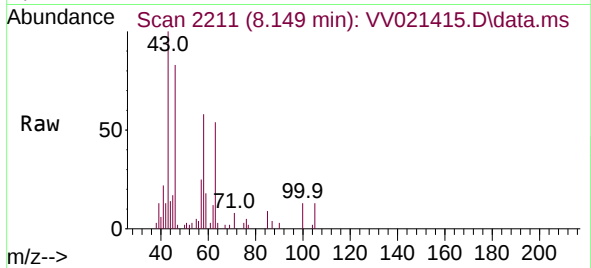




#48  
2-Hexanone  
Concen: 2.20 ug/L  
RT: 8.149 min Scan# 2211  
Delta R.T. 0.009 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

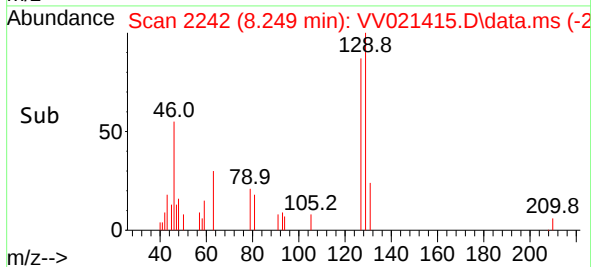
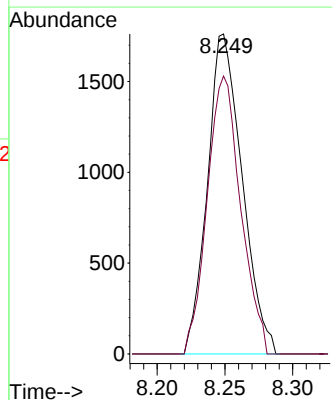
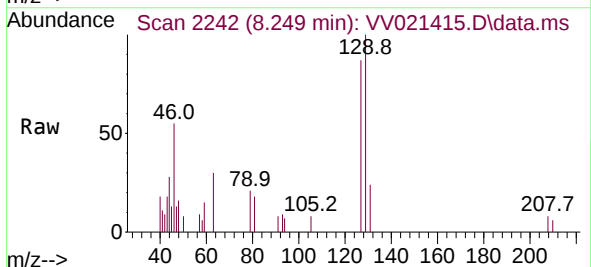
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

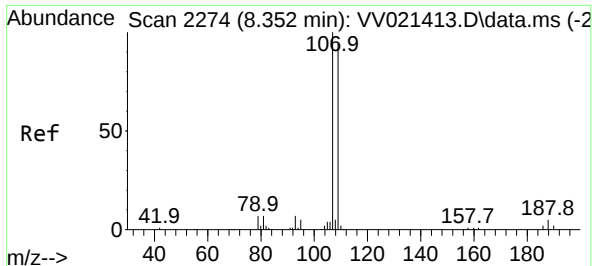
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 14584 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 56.8     | 47.0 70.4   |
| 57 14.7     | 15.4 23.2#  |
| 100 13.0    | 11.5 17.3   |



#49  
Dibromochloromethane  
Concen: 0.20 ug/L  
RT: 8.249 min Scan# 2242  
Delta R.T. 0.003 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

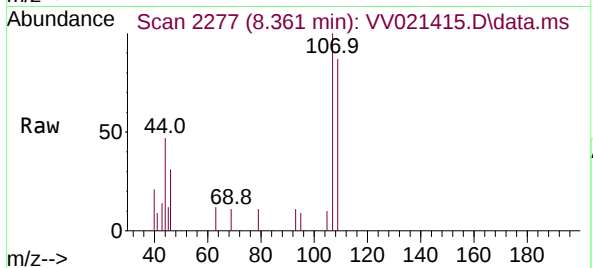
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:129 | Resp: | 3133  |       |
| Ion         | Ratio | Lower | Upper |
| 129         | 100   |       |       |
| 127         | 86.8  | 55.4  | 103.0 |



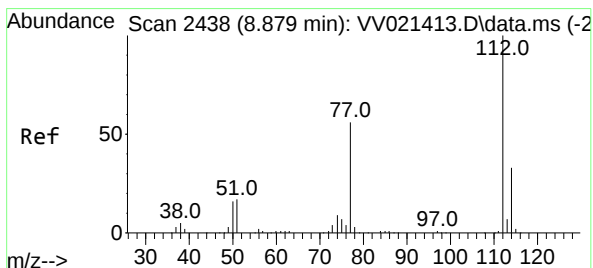
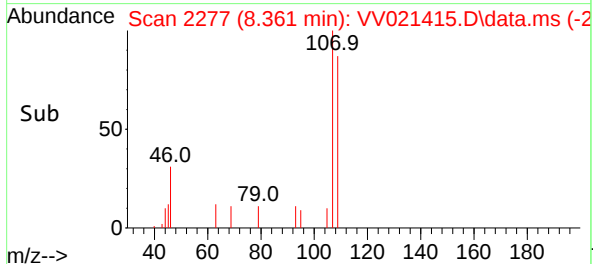
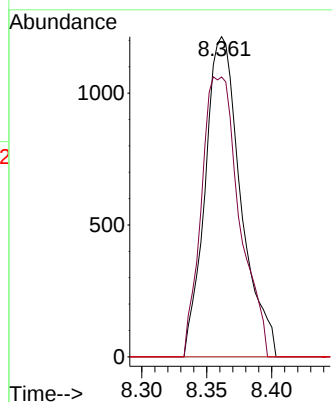


#50  
1,2-Dibromoethane  
Concen: 0.20 ug/L  
RT: 8.361 min Scan# 2277  
Delta R.T. 0.009 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

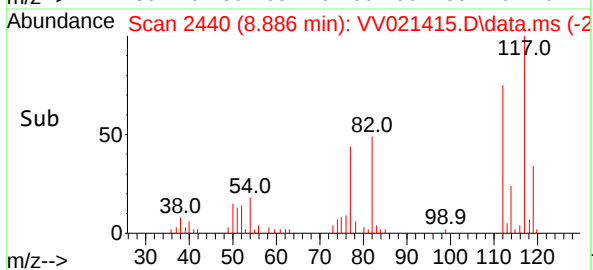
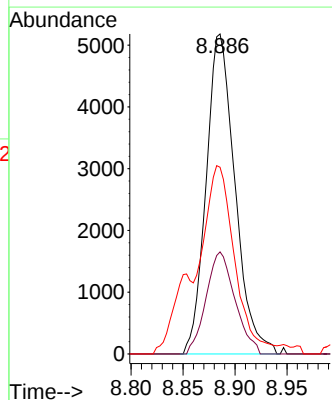
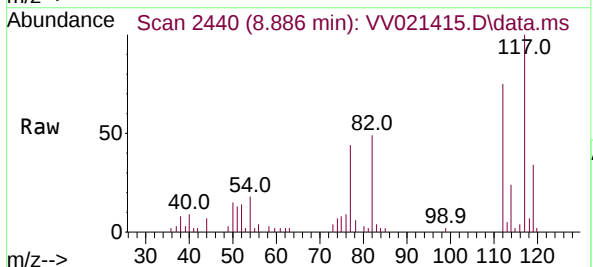


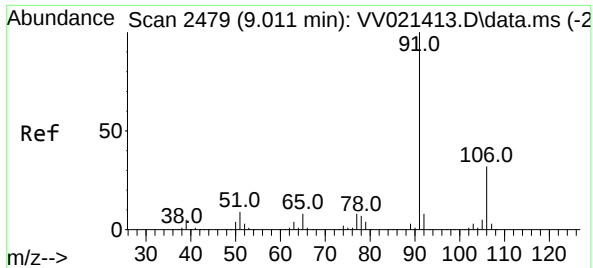
Tgt Ion:107 Resp: 2320  
Ion Ratio Lower Upper  
107 100  
109 87.4 65.3 121.3  
188 0.0 3.8 5.6#



#51  
Chlorobenzene  
Concen: 0.21 ug/L  
RT: 8.886 min Scan# 2440  
Delta R.T. 0.006 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

Tgt Ion:112 Resp: 10021  
Ion Ratio Lower Upper  
112 100  
114 31.9 22.5 41.9  
77 58.4 44.5 66.7

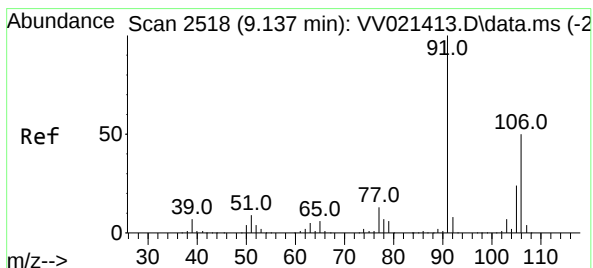
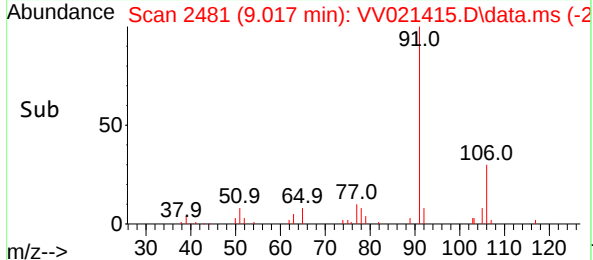
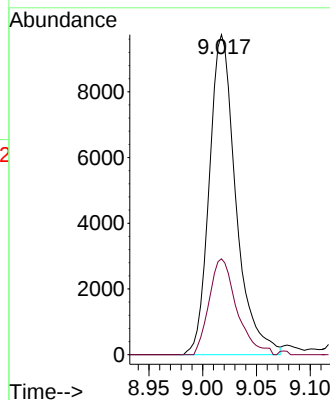
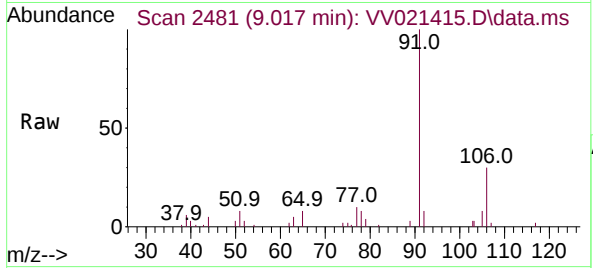




#52  
Ethylbenzene  
Concen: 0.21 ug/L  
RT: 9.017 min Scan# 2481  
Delta R.T. 0.006 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

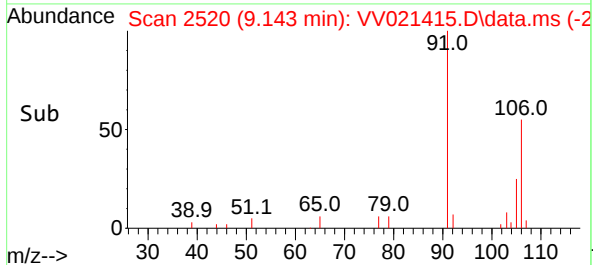
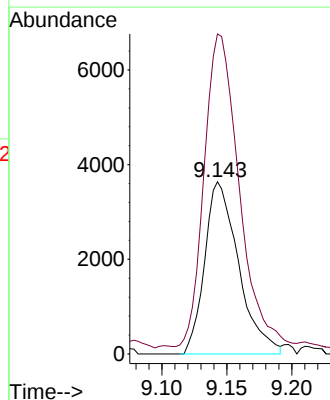
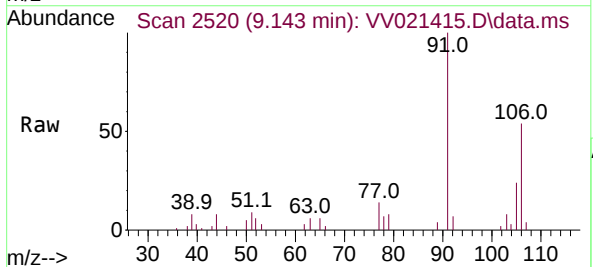
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

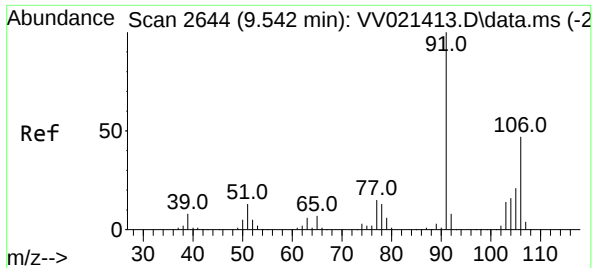
Tgt Ion: 91 Resp: 16767  
Ion Ratio Lower Upper  
91 100  
106 30.0 22.0 41.0



#53  
m,p-xylene  
Concen: 0.22 ug/L  
RT: 9.143 min Scan# 2520  
Delta R.T. 0.006 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

Tgt Ion: 106 Resp: 6604  
Ion Ratio Lower Upper  
106 100  
91 185.9 140.8 261.4

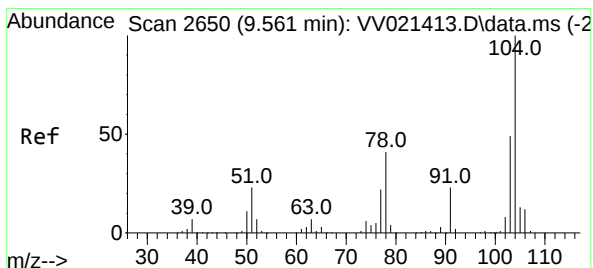
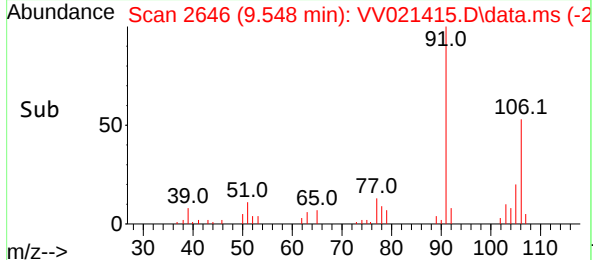
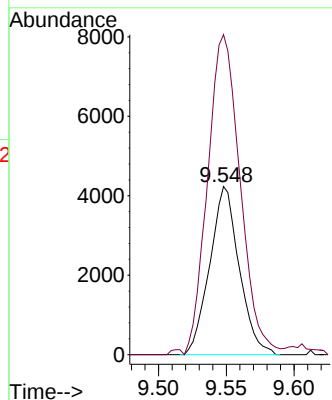
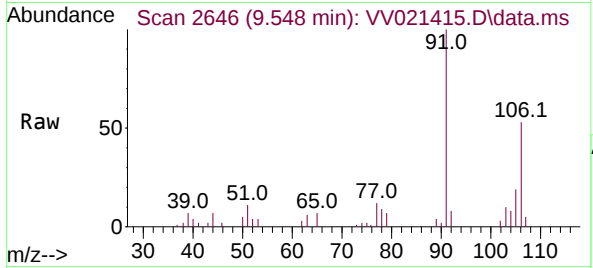




#54  
o-xylene  
Concen: 0.21 ug/L  
RT: 9.548 min Scan# 2646  
Delta R.T. 0.006 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

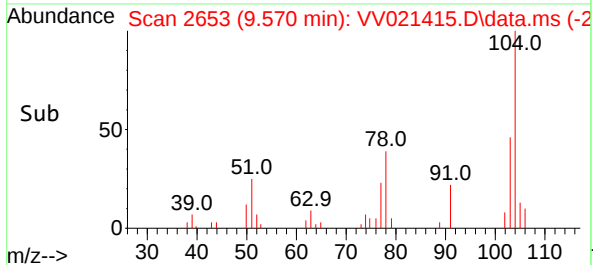
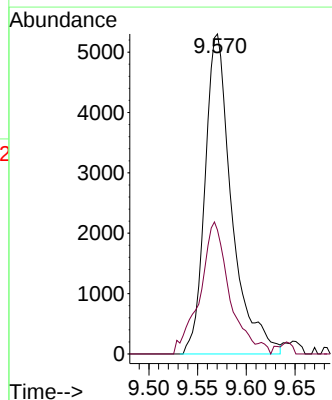
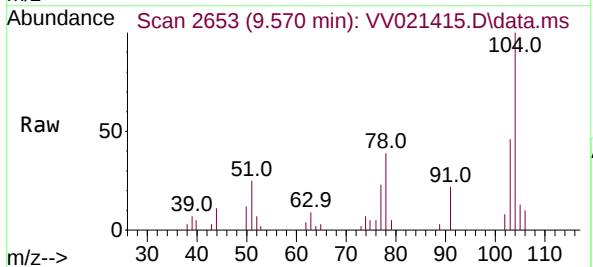
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

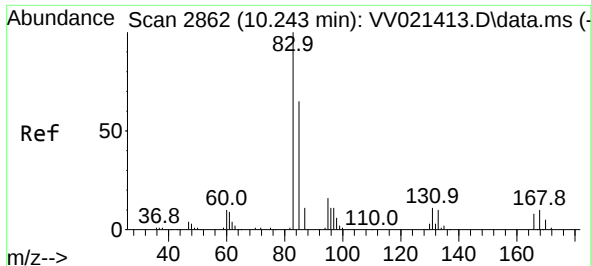
Tgt Ion:106 Resp: 6409  
Ion Ratio Lower Upper  
106 100  
91 190.4 146.7 272.4



#55  
Styrene  
Concen: 0.20 ug/L  
RT: 9.570 min Scan# 2653  
Delta R.T. 0.009 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

Tgt Ion:104 Resp: 10101  
Ion Ratio Lower Upper  
104 100  
78 38.7 29.7 55.1

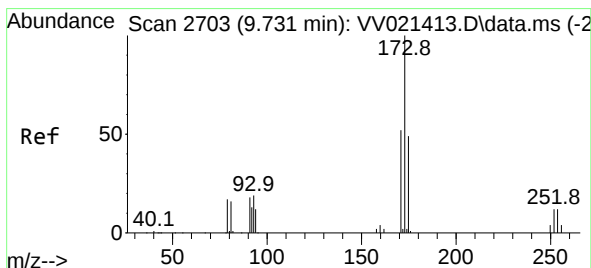
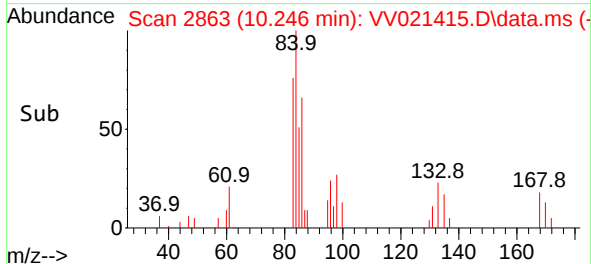
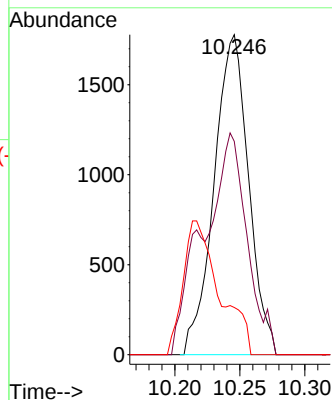
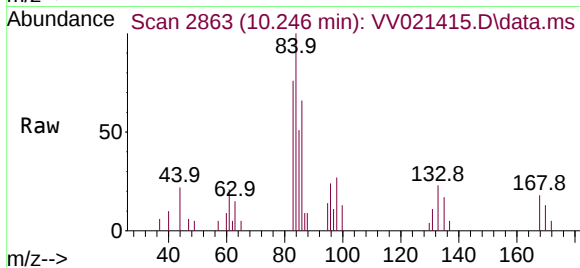




#57  
1,1,2,2-Tetrachloroethane  
Concen: 0.24 ug/L  
RT: 10.246 min Scan# 2863  
Delta R.T. 0.003 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

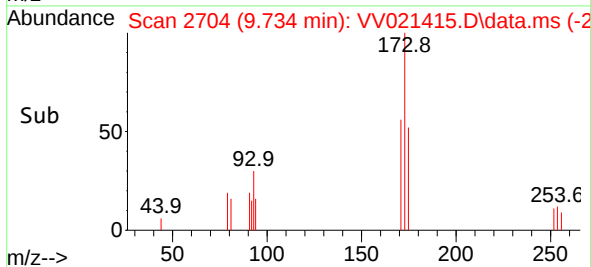
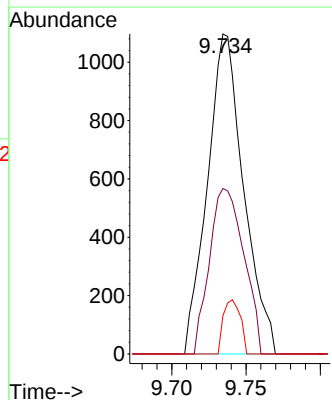
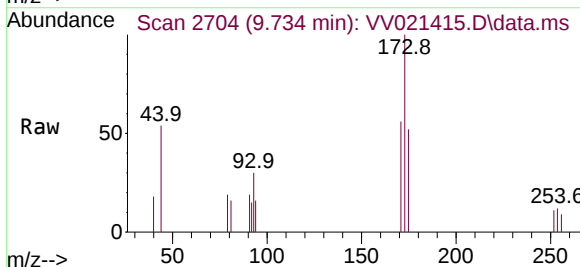
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

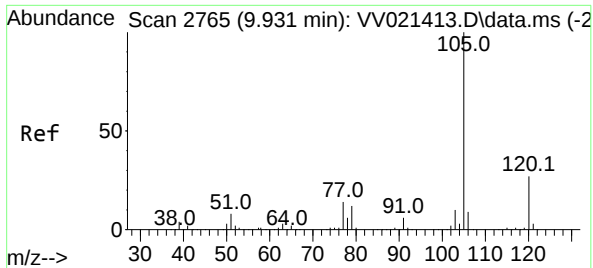
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 3281  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 66.6  | 43.3  | 80.3  |
| 131      | 14.8  | 9.4   | 14.0# |



#59  
Bromoform  
Concen: 0.19 ug/L  
RT: 9.734 min Scan# 2704  
Delta R.T. 0.003 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 1861  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 49.0  | 40.2  | 60.4  |
| 254      | 8.0   | 9.8   | 14.8# |

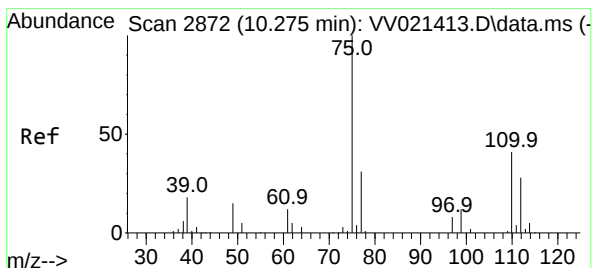
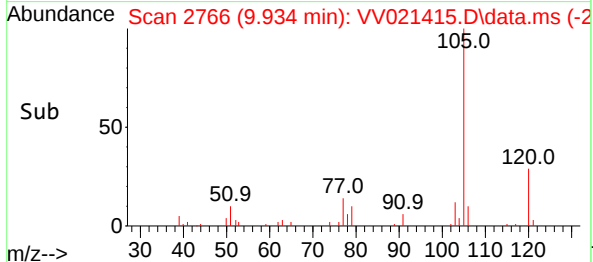
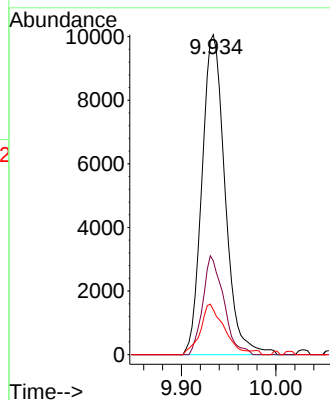
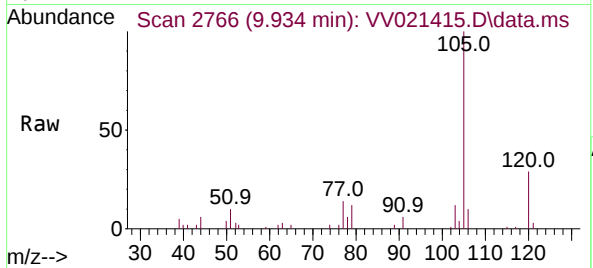




#60  
Isopropylbenzene  
Concen: 0.21 ug/L  
RT: 9.934 min Scan# 2766  
Delta R.T. 0.003 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

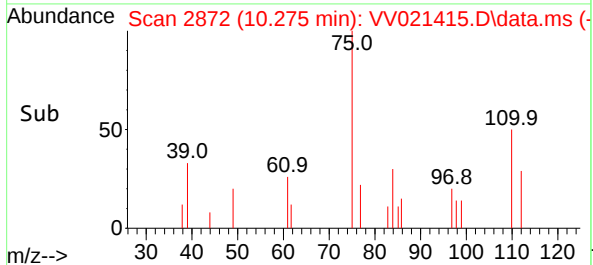
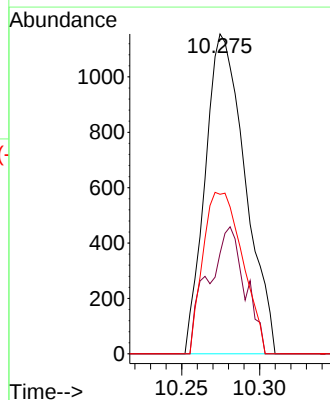
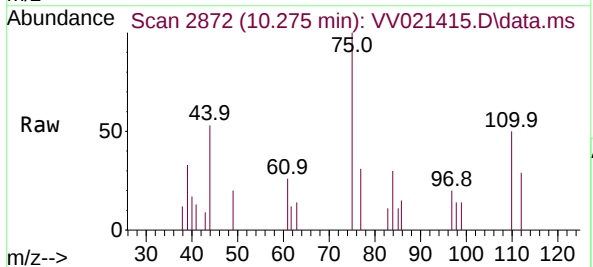
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

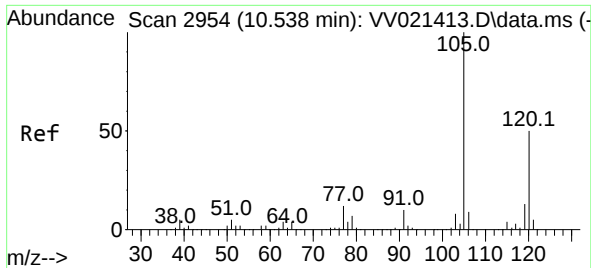
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 17013     |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 120         | 27.9  | 21.8 32.8 |
| 77          | 16.2  | 11.3 16.9 |



#61  
1,2,3-Trichloropropane  
Concen: 0.21 ug/L  
RT: 10.275 min Scan# 2872  
Delta R.T. -0.000 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 75 | Resp: | 2060      |
| Ion Ratio   | Lower | Upper     |
| 75          | 100   |           |
| 77          | 36.7  | 27.3 40.9 |
| 110         | 49.8  | 34.2 51.2 |

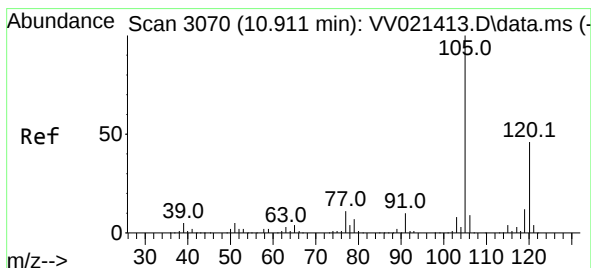
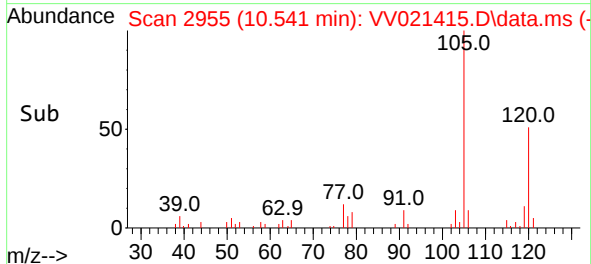
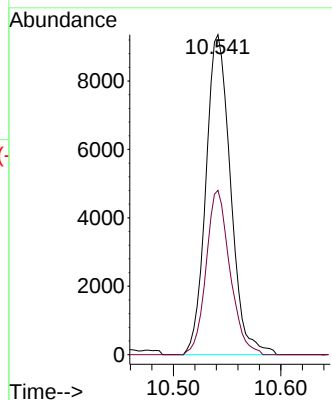
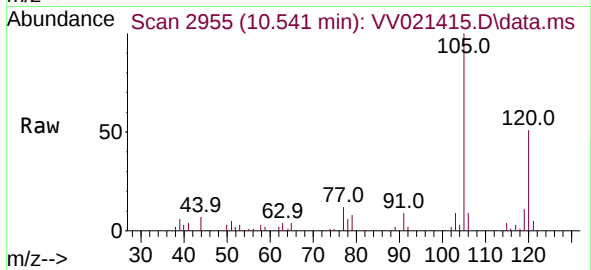




#62  
1,3,5-Trimethylbenzene  
Concen: 0.21 ug/L  
RT: 10.541 min Scan# 2955  
Delta R.T. 0.003 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

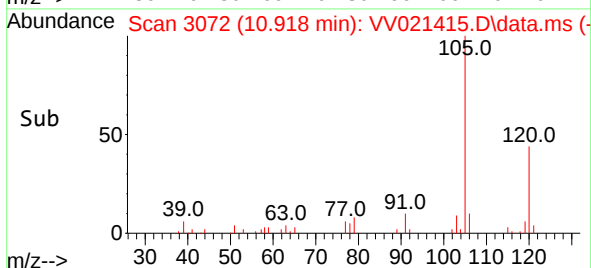
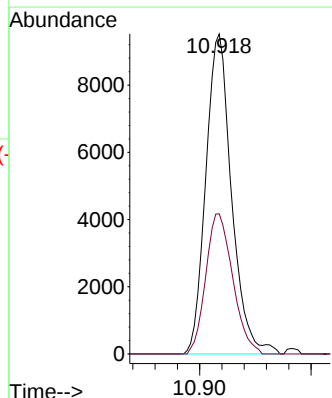
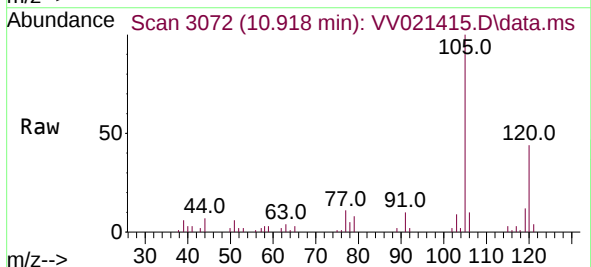
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

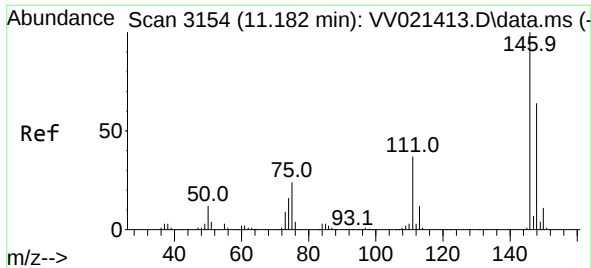
Tgt Ion:105 Resp: 14918  
Ion Ratio Lower Upper  
105 100  
120 49.6 40.2 60.2



#63  
1,2,4-Trimethylbenzene  
Concen: 0.21 ug/L  
RT: 10.918 min Scan# 3072  
Delta R.T. 0.006 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

Tgt Ion:105 Resp: 15245  
Ion Ratio Lower Upper  
105 100  
120 45.9 37.4 56.0

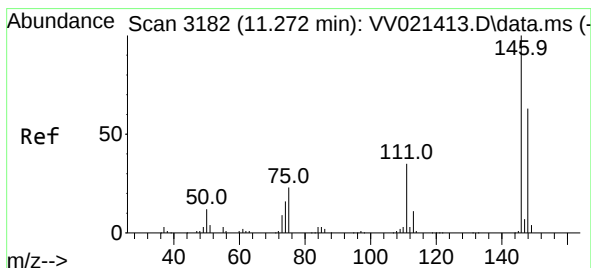
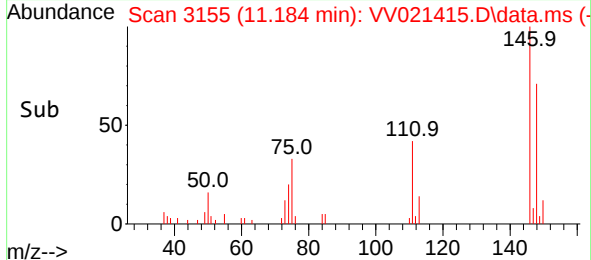
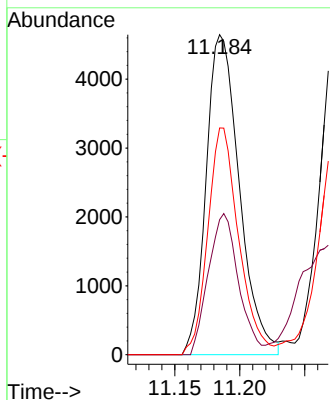
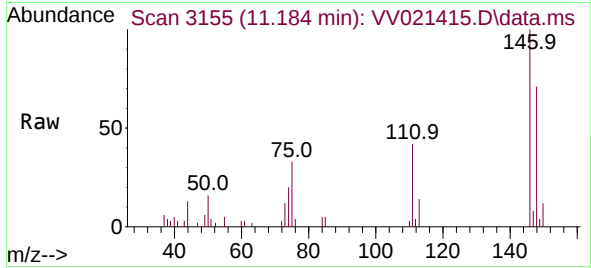




#64  
1,3-Dichlorobenzene  
Concen: 0.20 ug/L  
RT: 11.184 min Scan# 3155  
Delta R.T. 0.003 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

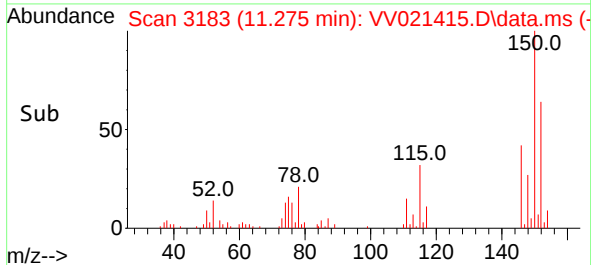
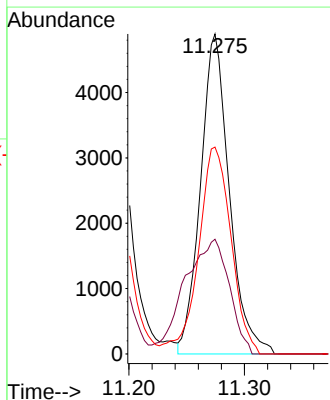
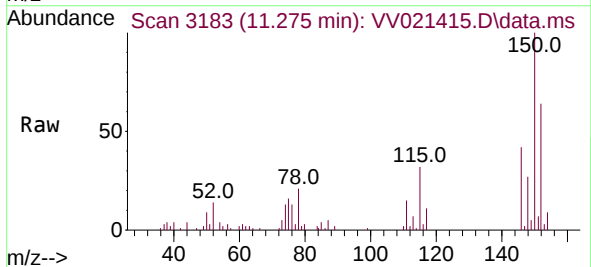
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

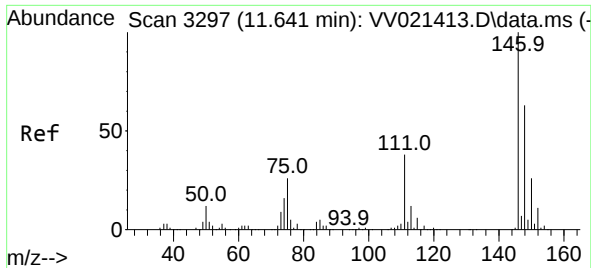
Tgt Ion:146 Resp: 8254  
Ion Ratio Lower Upper  
146 100  
111 42.2 26.2 48.6  
148 70.9 44.9 83.5



#65  
1,4-Dichlorobenzene  
Concen: 0.21 ug/L  
RT: 11.275 min Scan# 3183  
Delta R.T. 0.003 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

Tgt Ion:146 Resp: 8468  
Ion Ratio Lower Upper  
146 100  
111 35.8 25.1 46.5  
148 64.7 44.4 82.5

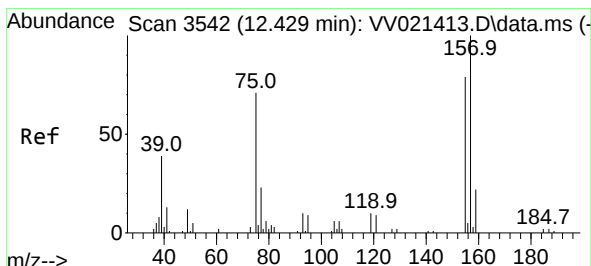
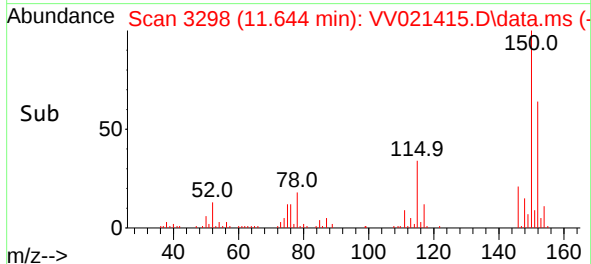
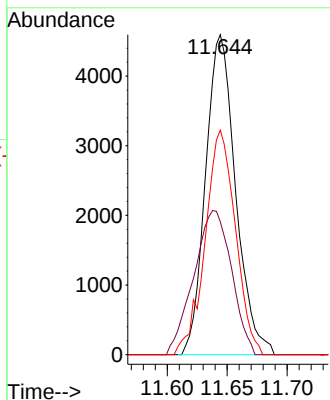
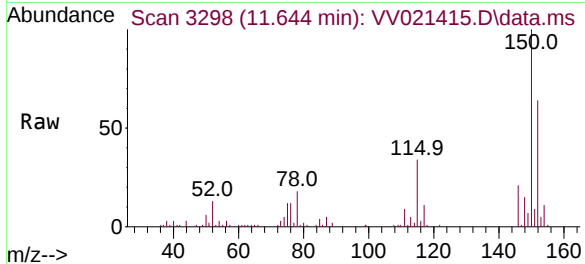




#67  
1,2-Dichlorobenzene  
Concen: 0.21 ug/L  
RT: 11.644 min Scan# 3298  
Delta R.T. 0.003 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

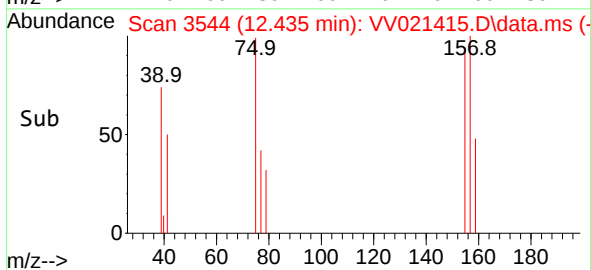
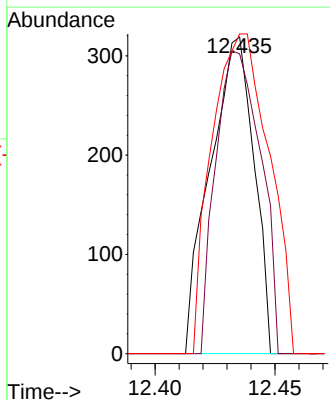
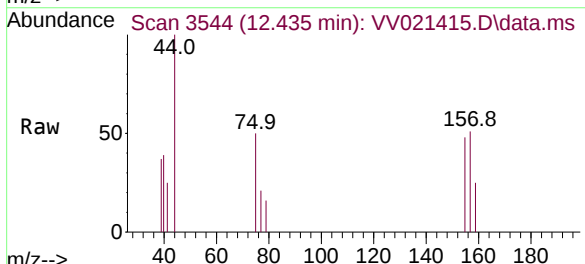
Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

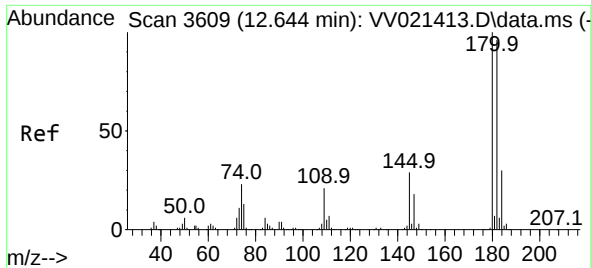
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 8011  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 41.5  | 31.2  | 46.8  |
| 148      | 70.2  | 50.9  | 76.3  |



#68  
1,2-Dibromo-3-chloropropane  
Concen: 0.17 ug/L  
RT: 12.435 min Scan# 3544  
Delta R.T. 0.006 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

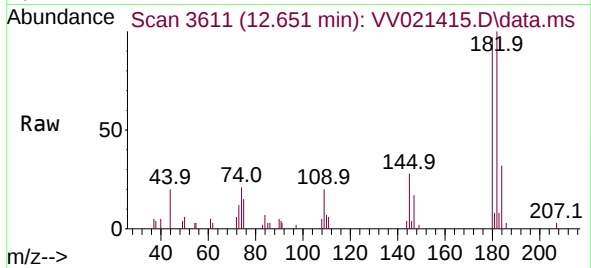
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 405    |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 155      | 94.7  | 87.2  | 130.8  |
| 157      | 100.9 | 106.1 | 159.1# |



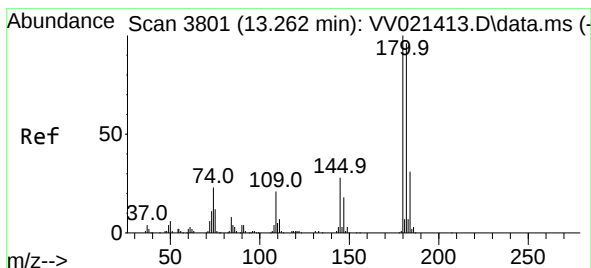
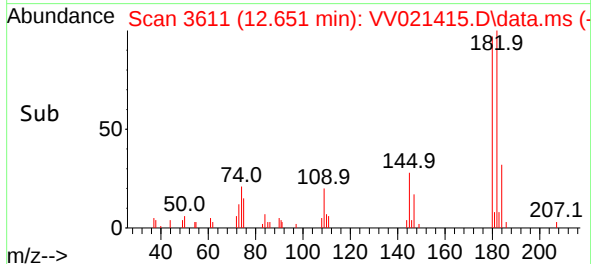
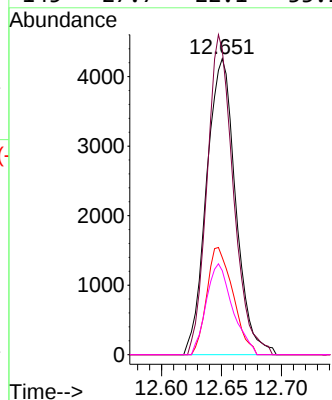


#69  
 1,3,5-Trichlorobenzene  
 Concen: 0.20 ug/L  
 RT: 12.651 min Scan# 3611  
 Delta R.T. 0.006 min  
 Lab File: VV021415.D  
 Acq: 26 May 2021 11:02

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL-WATER-QT3-2021-06

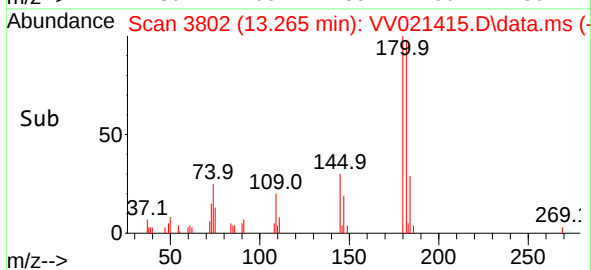
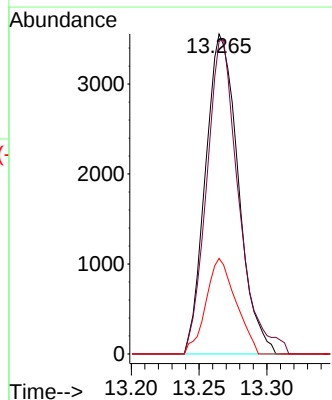
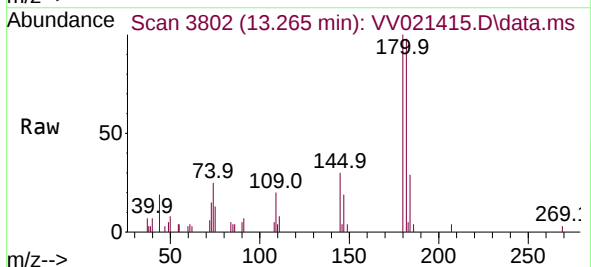


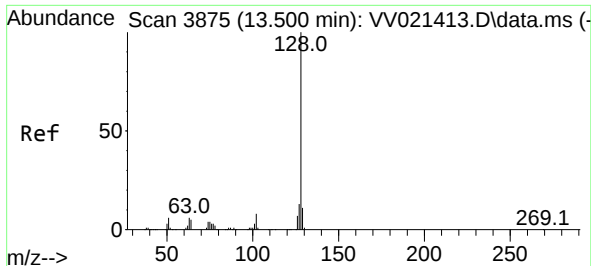
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 7183  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.2  | 76.4  | 114.6 |
| 184       | 32.5  | 24.0  | 36.0  |
| 145       | 27.7  | 22.1  | 33.1  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 0.20 ug/L  
 RT: 13.265 min Scan# 3802  
 Delta R.T. 0.003 min  
 Lab File: VV021415.D  
 Acq: 26 May 2021 11:02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 5970  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.1  | 76.3  | 114.5 |
| 145       | 27.3  | 23.0  | 34.4  |

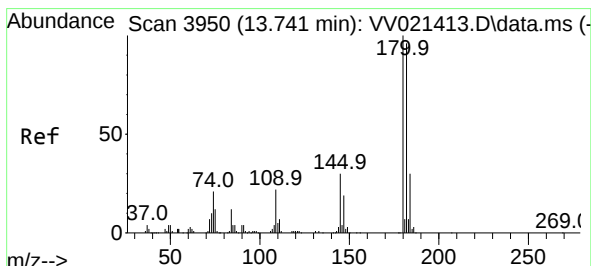
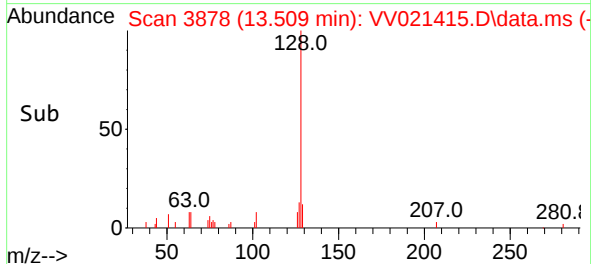
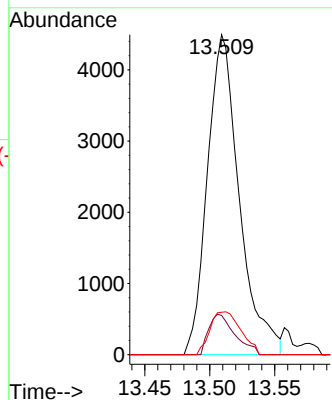
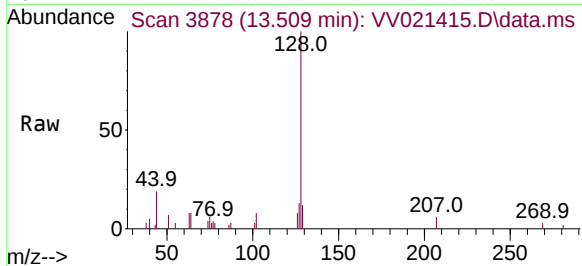




#71  
Naphthalene  
Concen: 0.16 ug/L  
RT: 13.509 min Scan# 3878  
Delta R.T. 0.009 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL-WATER-QT3-2021-06

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 7678      |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 129         | 10.4  | 8.4 12.6  |
| 127         | 13.0  | 10.2 15.4 |



#72  
1,2,3-Trichlorobenzene  
Concen: 0.19 ug/L  
RT: 13.747 min Scan# 3952  
Delta R.T. 0.006 min  
Lab File: VV021415.D  
Acq: 26 May 2021 11:02

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 5134       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 97.9  | 76.3 114.5 |
| 145         | 29.1  | 24.3 36.5  |

