

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW010522\  
 Data File : VW021746.D  
 Acq On : 05 Jan 2022 21:21  
 Operator : SY/VA  
 Sample : M5342-10  
 Misc : 5.75g/5.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-10-(10-15)

Quant Time: Jan 06 05:55:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W010522S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 05 14:56:42 2022  
 Response via : Initial Calibration

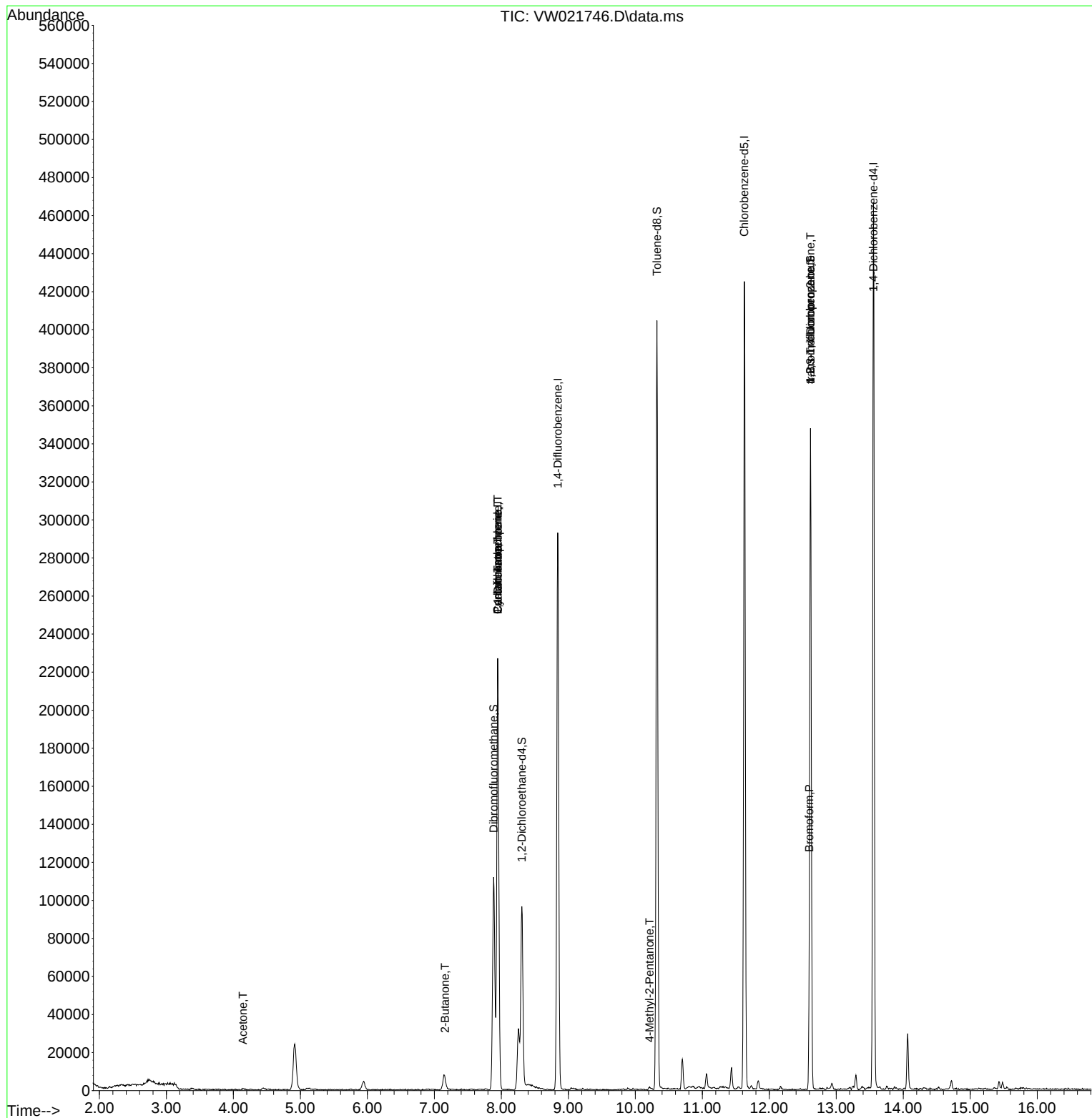
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.946          | 168  | 166915              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.842          | 114  | 264163              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.628         | 117  | 247388              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 126445              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.305          | 65   | 76677               | 52.122    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 104.240% |           |        |          |
| 35) Dibromofluoromethane      | 7.885          | 113  | 77747               | 47.288    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 94.580%  |           |        |          |
| 50) Toluene-d8                | 10.323         | 98   | 268504              | 45.123    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 90.240%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.615         | 95   | 103974              | 47.073    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 94.140%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
| 11) Tert butyl alcohol        | 5.184          | 59   | 27                  | Below Cal | #      | 84       |
| 13) Acrolein                  | 3.855          | 56   | 20                  | Below Cal | #      | 1        |
| 16) Acetone                   | 4.141          | 43   | 1183                | 4.259     | ug/l # | 54       |
| 25) 2-Butanone                | 7.159          | 43   | 800                 | 2.243     | ug/l # | 49       |
| 31) Cyclohexane               | 7.946          | 56   | 3155                | 1.233     | ug/l # | 7        |
| 36) 1,1-Dichloropropene       | 7.946          | 75   | 11664               | 4.992     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.946          | 117  | 16619               | 6.584     | ug/l # | 19       |
| 51) 4-Methyl-2-Pentanone      | 10.213         | 43   | 961                 | 1.257     | ug/l # | 75       |
| 71) Bromoform                 | 12.597         | 173  | 77                  | 4.376     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.615         | 75   | 51990               | 55.588    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.615         | 75   | 51990               | 157.721   | ug/l # | 9        |
| -----                         |                |      |                     |           |        |          |

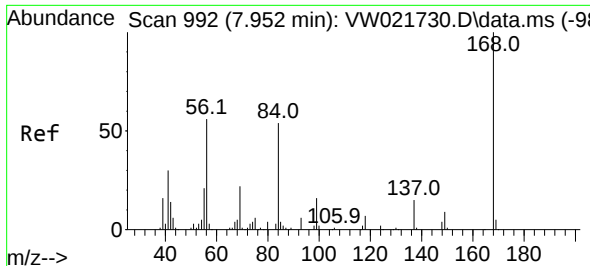
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW010522\  
Data File : VW021746.D  
Acq On : 05 Jan 2022 21:21  
Operator : SY/VA  
Sample : M5342-10  
Misc : 5.75g/5.0mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10-(10-15)

Quant Time: Jan 06 05:55:38 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W010522S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 05 14:56:42 2022  
Response via : Initial Calibration

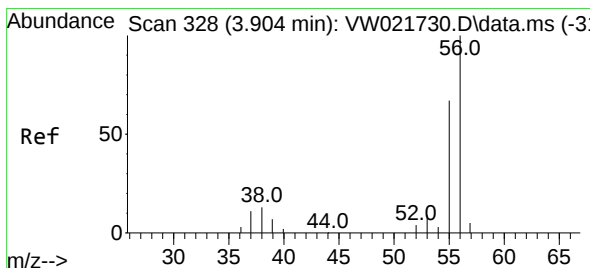
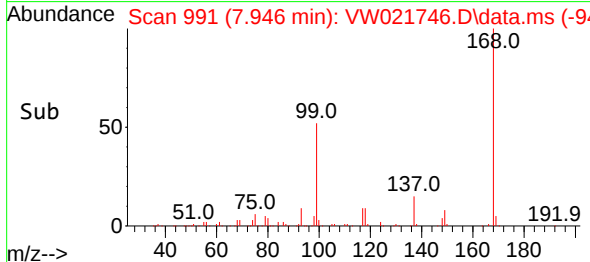
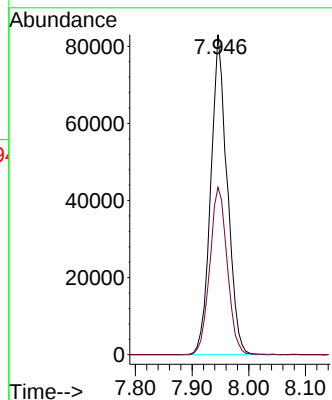
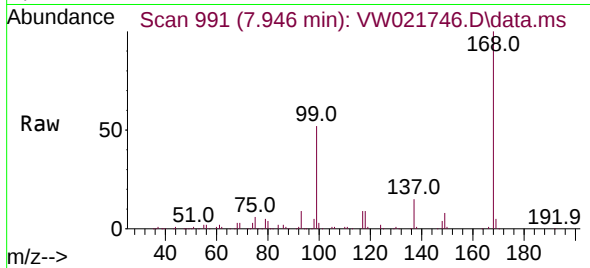




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.946 min Scan# 99  
Delta R.T. 0.000 min  
Lab File: VW021746.D  
Acq: 05 Jan 2022 21:21

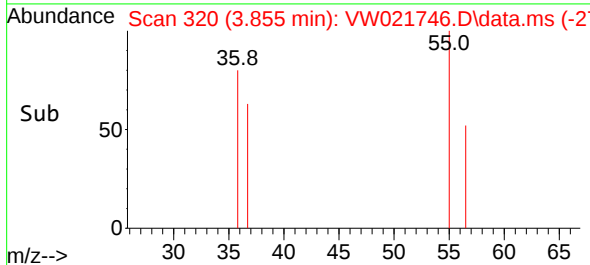
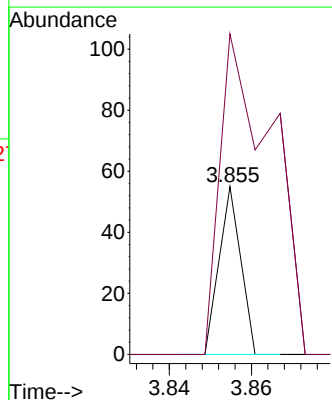
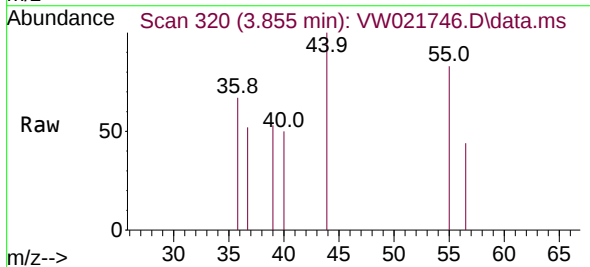
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10-(10-15)

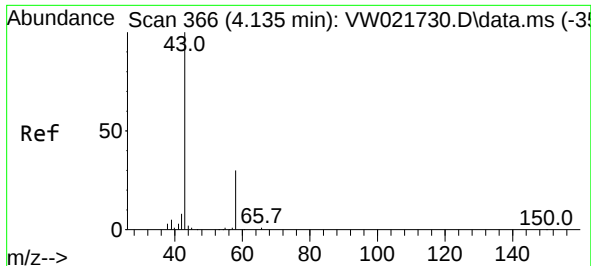
Tgt Ion:168 Resp: 166915  
Ion Ratio Lower Upper  
168 100  
99 52.3 41.6 62.4



#13  
Acrolein  
Concen: Below Cal  
RT: 3.855 min Scan# 320  
Delta R.T. -0.036 min  
Lab File: VW021746.D  
Acq: 05 Jan 2022 21:21

Tgt Ion: 56 Resp: 20  
Ion Ratio Lower Upper  
56 100  
55 460.0 61.2 91.8#

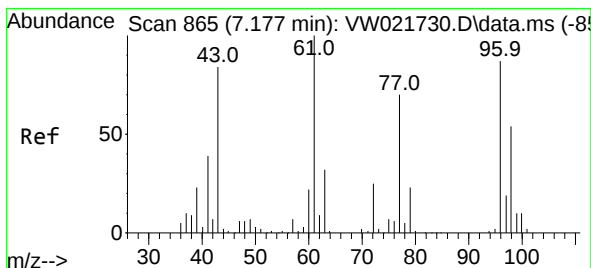
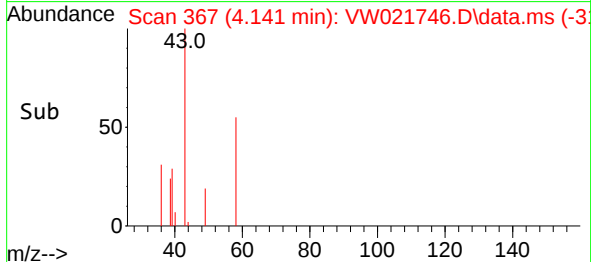
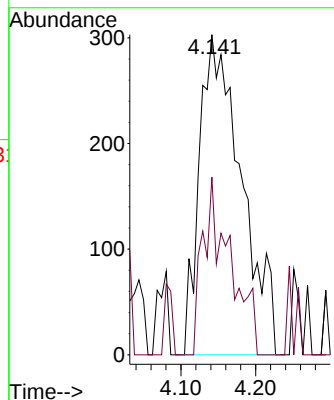
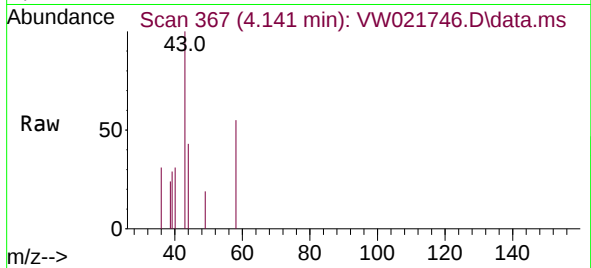




#16  
Acetone  
Concen: 4.259 ug/l  
RT: 4.141 min Scan# 366  
Delta R.T. 0.018 min  
Lab File: VW021746.D  
Acq: 05 Jan 2022 21:21

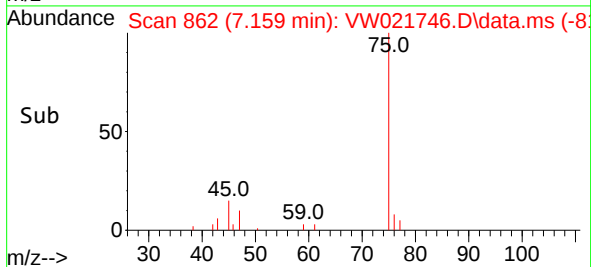
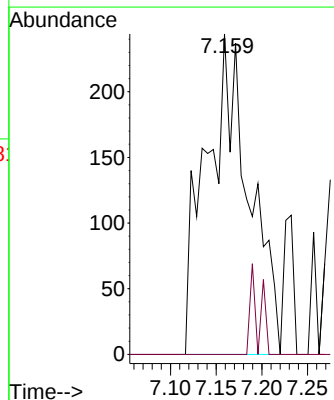
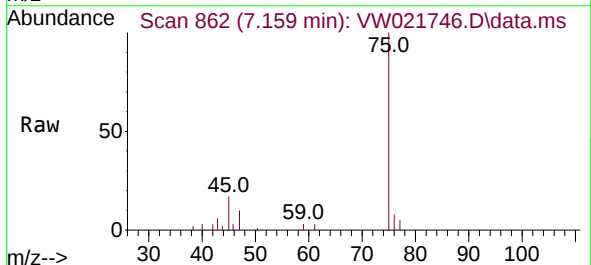
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10-(10-15)

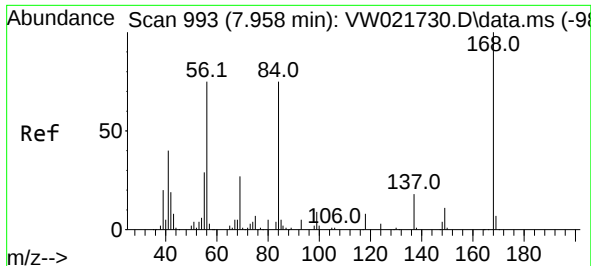
Tgt Ion: 43 Resp: 1183  
Ion Ratio Lower Upper  
43 100  
58 55.4 24.2 36.2#



#25  
2-Butanone  
Concen: 2.243 ug/l  
RT: 7.159 min Scan# 862  
Delta R.T. -0.012 min  
Lab File: VW021746.D  
Acq: 05 Jan 2022 21:21

Tgt Ion: 43 Resp: 800  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.7 31.1#

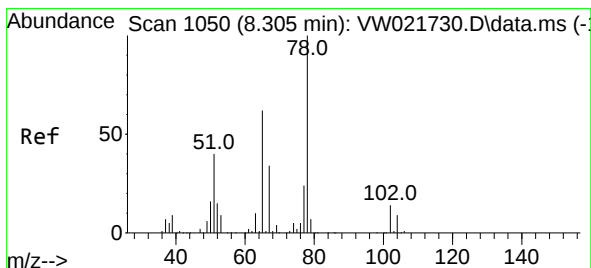
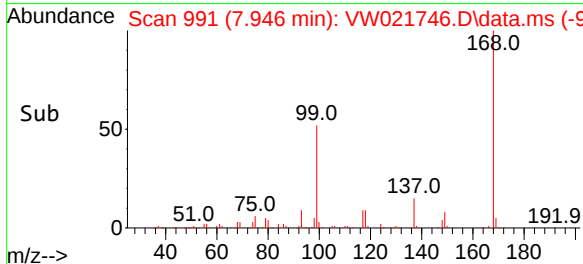
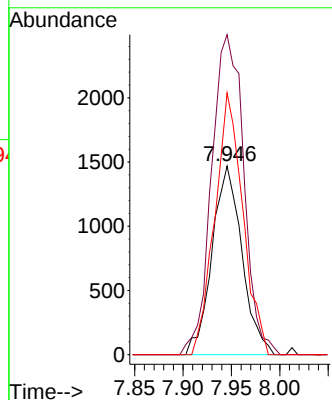
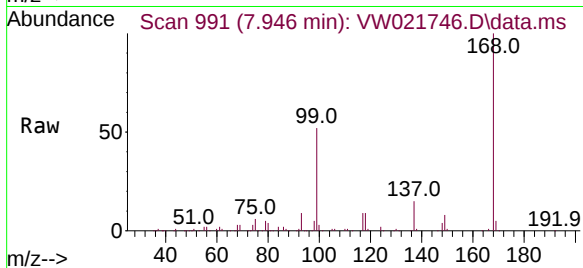




#31  
Cyclohexane  
Concen: 1.233 ug/l  
RT: 7.946 min Scan# 991  
Delta R.T. -0.011 min  
Lab File: VW021746.D  
Acq: 05 Jan 2022 21:21

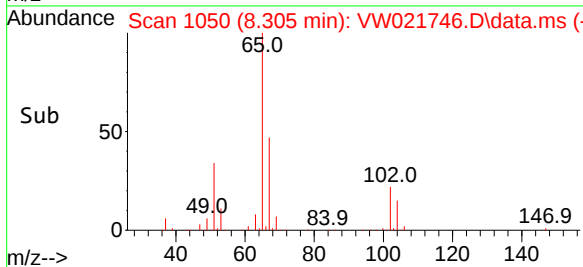
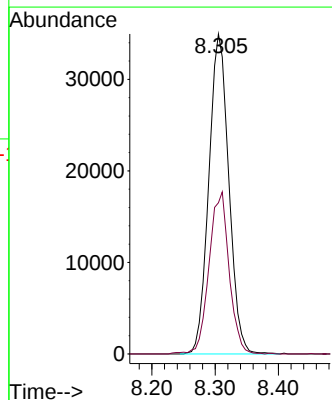
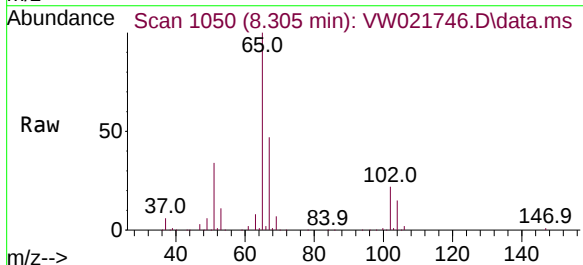
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10-(10-15)

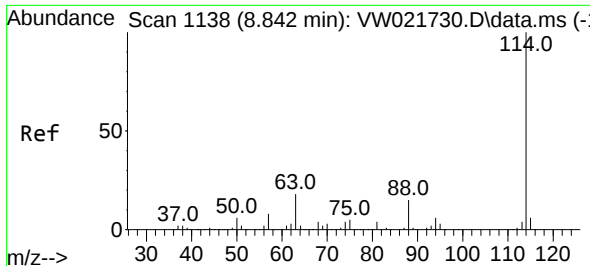
Tgt Ion: 56 Resp: 3155  
Ion Ratio Lower Upper  
56 100  
69 169.6 28.7 43.1#  
84 138.8 77.6 116.4#



#33  
1,2-Dichloroethane-d4  
Concen: 52.122 ug/l  
RT: 8.305 min Scan# 1050  
Delta R.T. 0.000 min  
Lab File: VW021746.D  
Acq: 05 Jan 2022 21:21

Tgt Ion: 65 Resp: 76677  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.842 min Scan# 1138

Delta R.T. 0.001 min

Lab File: VW021746.D

Acq: 05 Jan 2022 21:21

Instrument :

MSVOA\_W

ClientSampleId :

SB-10-(10-15)

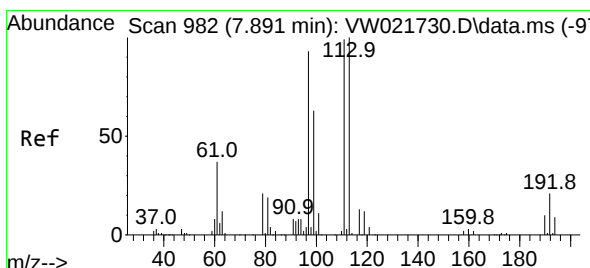
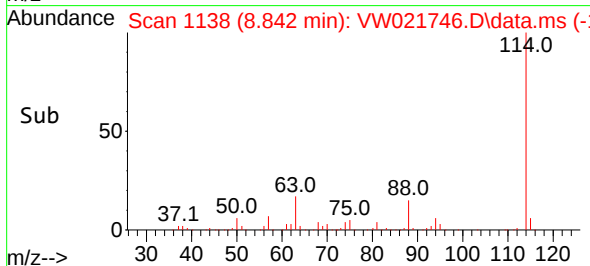
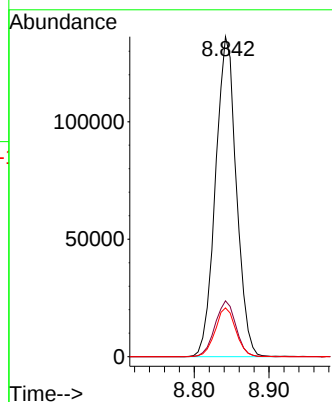
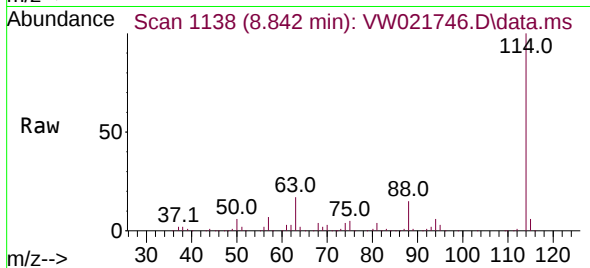
Tgt Ion:114 Resp: 264163

Ion Ratio Lower Upper

114 100

63 17.5 0.0 37.2

88 15.3 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.288 ug/l

RT: 7.885 min Scan# 981

Delta R.T. 0.001 min

Lab File: VW021746.D

Acq: 05 Jan 2022 21:21

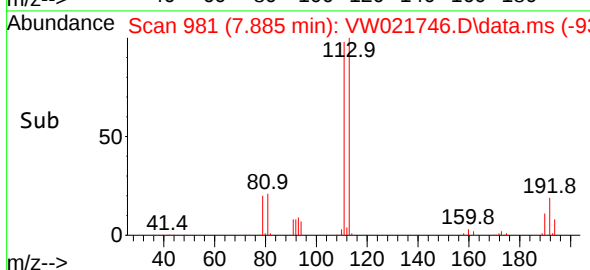
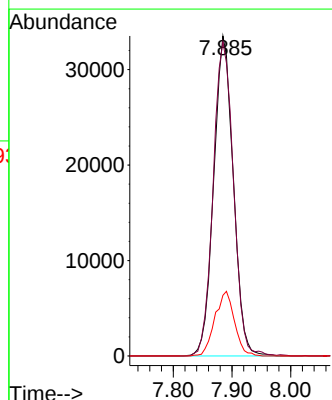
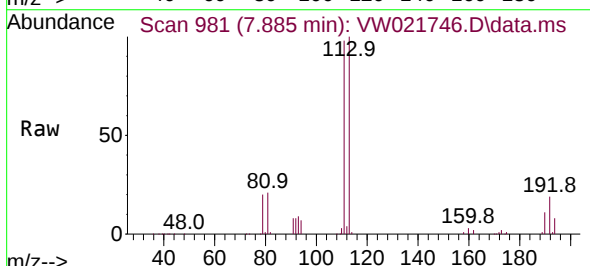
Tgt Ion:113 Resp: 77747

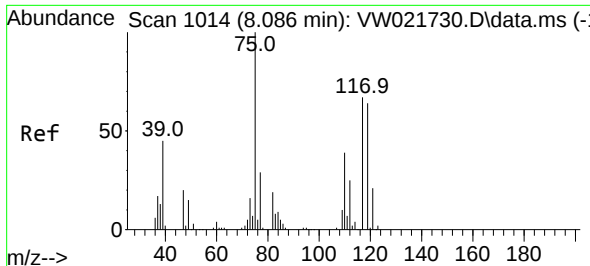
Ion Ratio Lower Upper

113 100

111 101.3 81.2 121.8

192 20.2 16.8 25.2

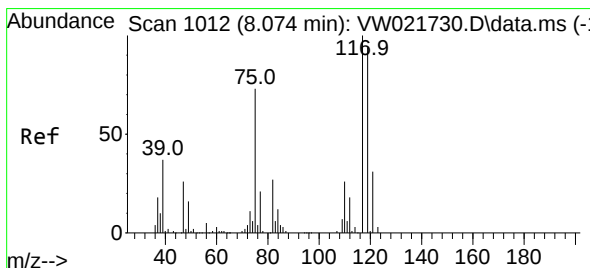
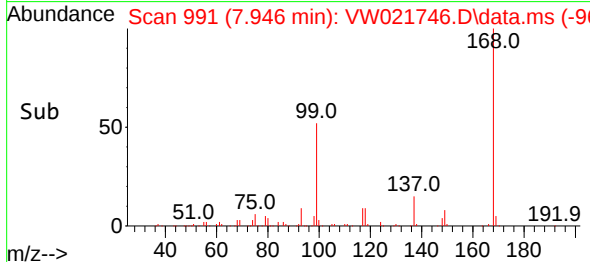
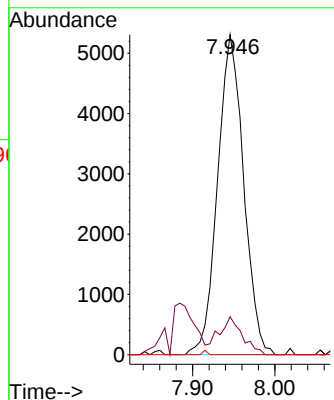
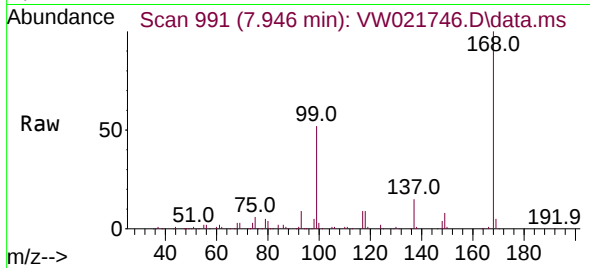




#36  
 1,1-Dichloropropene  
 Concen: 4.992 ug/l  
 RT: 7.946 min Scan# 991  
 Delta R.T. -0.141 min  
 Lab File: VW021746.D  
 Acq: 05 Jan 2022 21:21

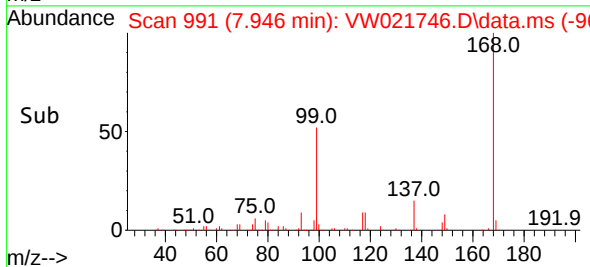
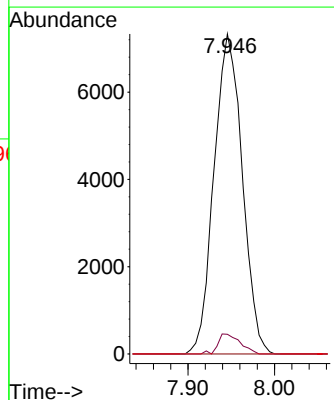
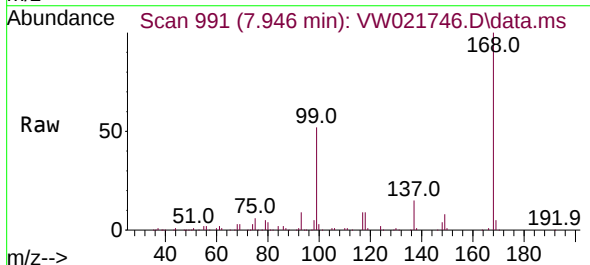
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-10-(10-15)

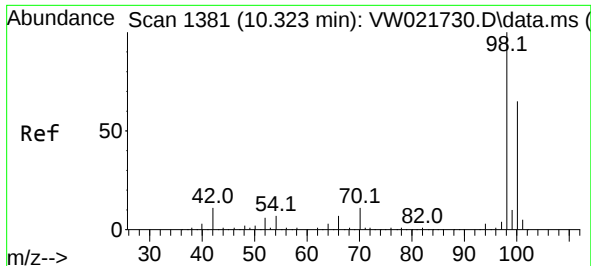
Tgt Ion: 75 Resp: 11664  
 Ion Ratio Lower Upper  
 75 100  
 110 10.9 19.1 57.5#  
 77 0.0 24.8 37.2#



#38  
 Carbon Tetrachloride  
 Concen: 6.584 ug/l  
 RT: 7.946 min Scan# 991  
 Delta R.T. -0.122 min  
 Lab File: VW021746.D  
 Acq: 05 Jan 2022 21:21

Tgt Ion: 117 Resp: 16619  
 Ion Ratio Lower Upper  
 117 100  
 119 6.2 72.0 108.0#  
 121 0.0 22.6 33.8#

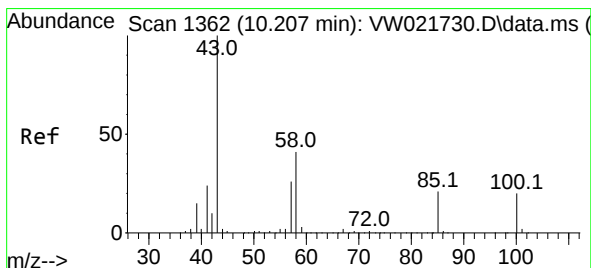
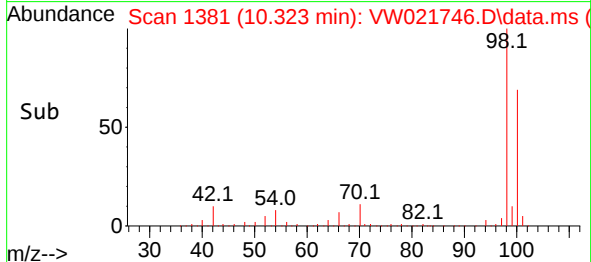
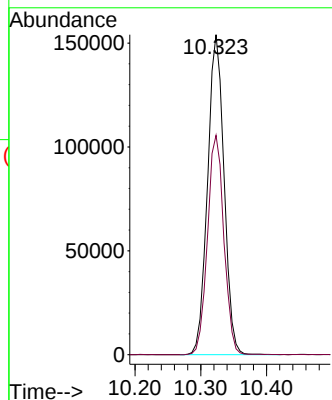
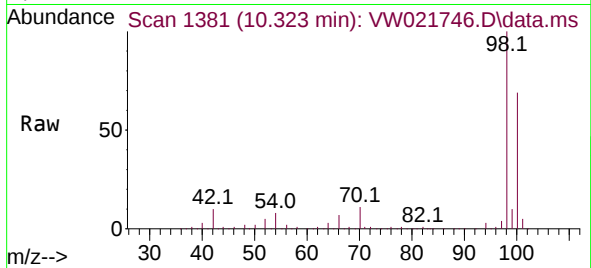




#50  
Toluene-d8  
Concen: 45.123 ug/l  
RT: 10.323 min Scan# 1381  
Delta R.T. 0.000 min  
Lab File: VW021746.D  
Acq: 05 Jan 2022 21:21

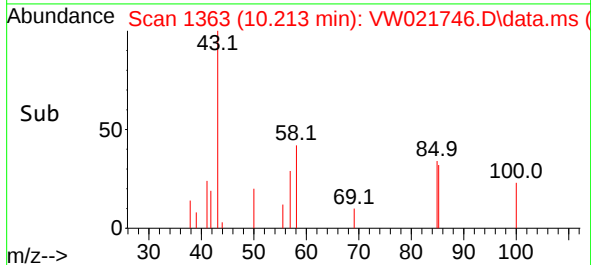
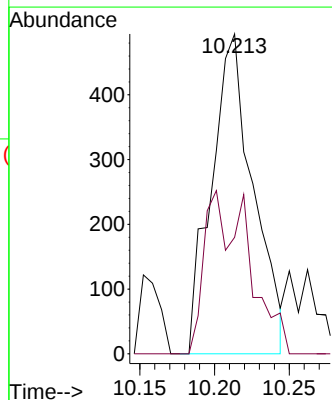
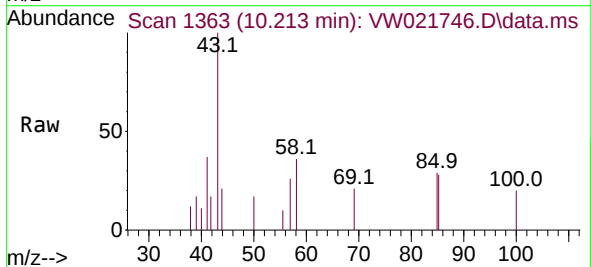
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10-(10-15)

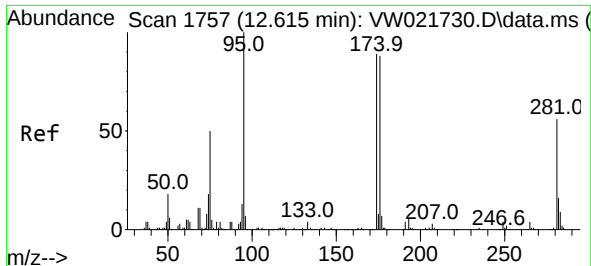
Tgt Ion: 98 Resp: 268504  
Ion Ratio Lower Upper  
98 100  
100 68.0 52.6 79.0



#51  
4-Methyl-2-Pentanone  
Concen: 1.257 ug/l  
RT: 10.213 min Scan# 1363  
Delta R.T. 0.006 min  
Lab File: VW021746.D  
Acq: 05 Jan 2022 21:21

Tgt Ion: 43 Resp: 961  
Ion Ratio Lower Upper  
43 100  
58 53.7 30.9 46.3#

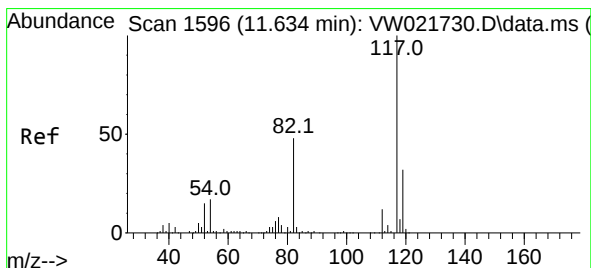
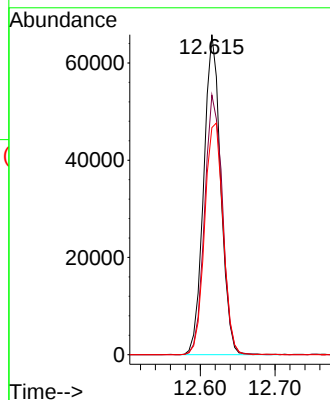
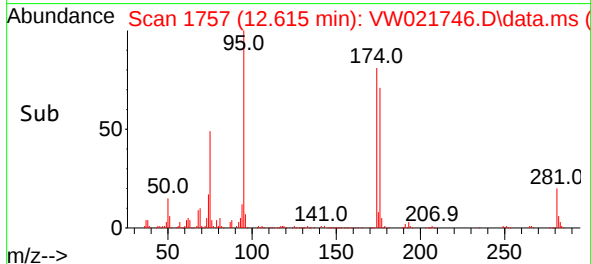
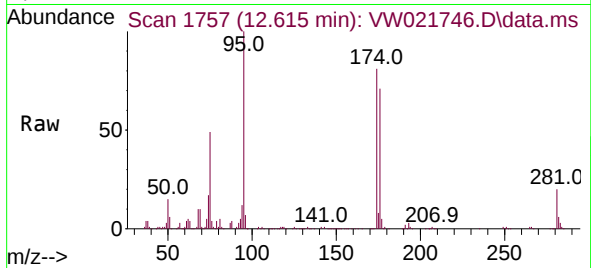




#62  
4-Bromofluorobenzene  
Concen: 47.073 ug/l  
RT: 12.615 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW021746.D  
Acq: 05 Jan 2022 21:21

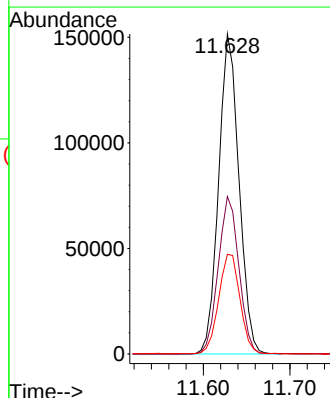
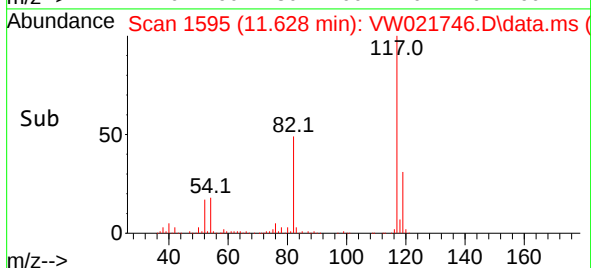
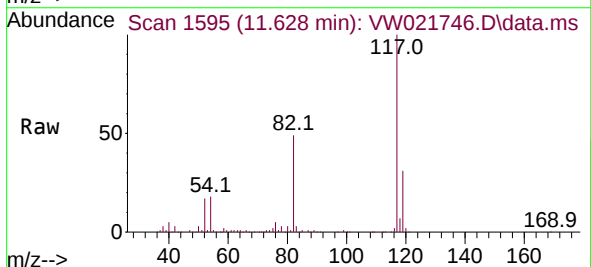
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10-(10-15)

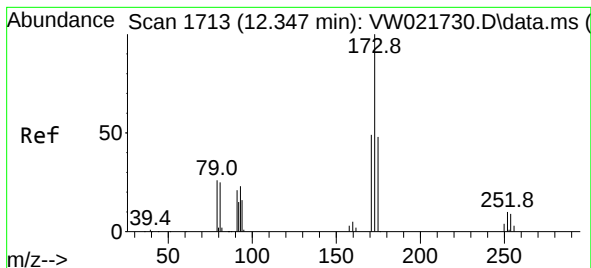
Tgt Ion: 95 Resp: 103974  
Ion Ratio Lower Upper  
95 100  
174 84.8 0.0 171.2  
176 78.2 0.0 175.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.628 min Scan# 1595  
Delta R.T. -0.000 min  
Lab File: VW021746.D  
Acq: 05 Jan 2022 21:21

Tgt Ion: 117 Resp: 247388  
Ion Ratio Lower Upper  
117 100  
82 49.2 41.4 62.2  
119 31.1 27.2 40.8





#71

Bromoform

Concen: 4.376 ug/l

RT: 12.597 min Scan# 1

Delta R.T. 0.250 min

Lab File: VW021746.D

Acq: 05 Jan 2022 21:21

Instrument :

MSVOA\_W

ClientSampleId :

SB-10-(10-15)

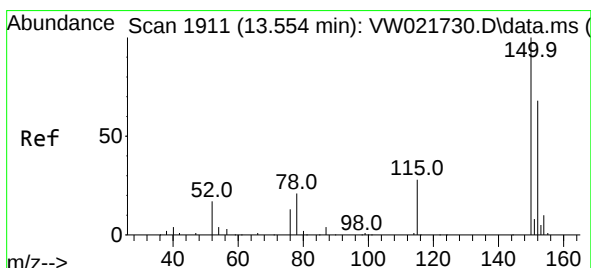
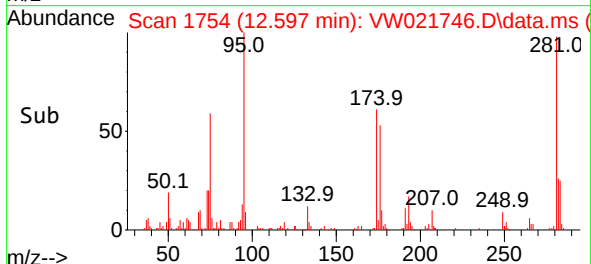
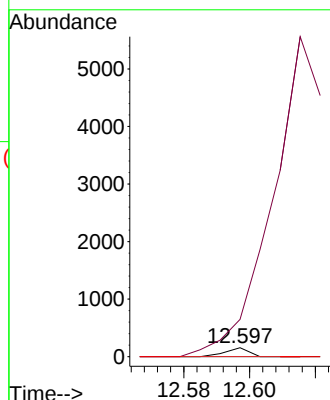
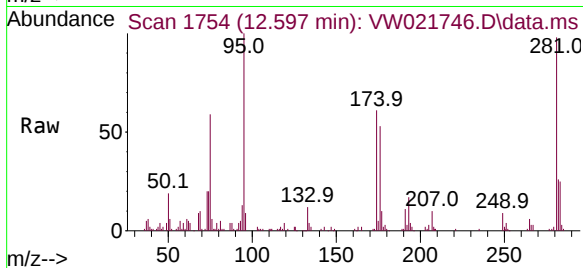
Tgt Ion:173 Resp: 77

Ion Ratio Lower Upper

173 100

175 7720.8 25.1 75.3#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.554 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VW021746.D

Acq: 05 Jan 2022 21:21

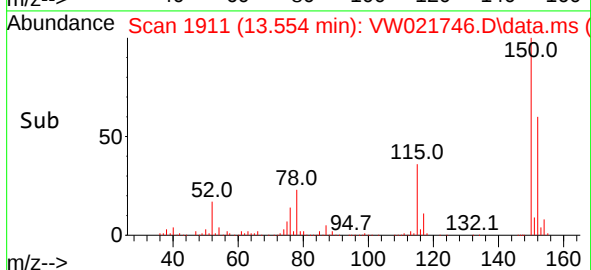
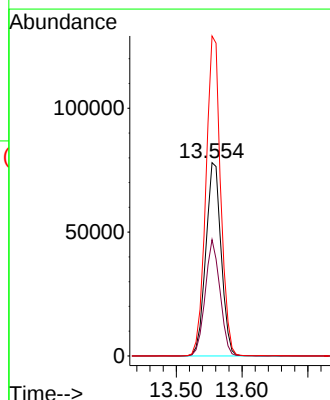
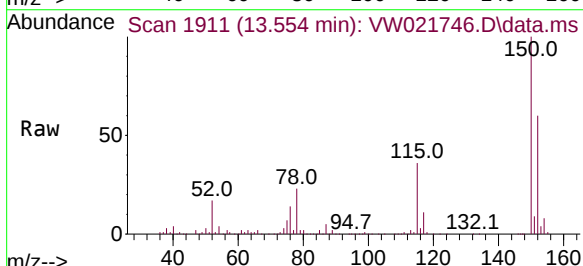
Tgt Ion:152 Resp: 126445

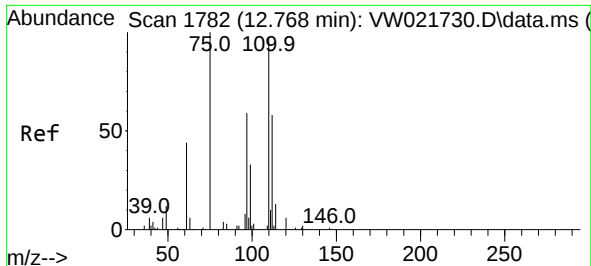
Ion Ratio Lower Upper

152 100

115 58.0 27.8 83.3

150 159.1 0.0 348.4

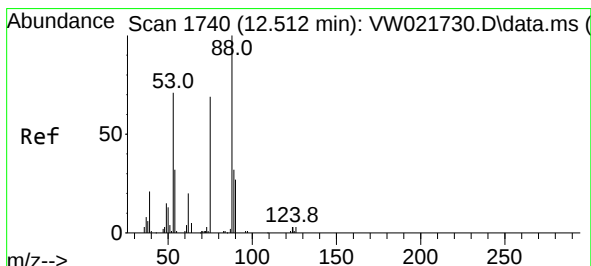
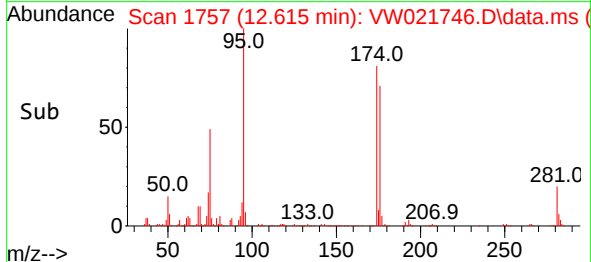
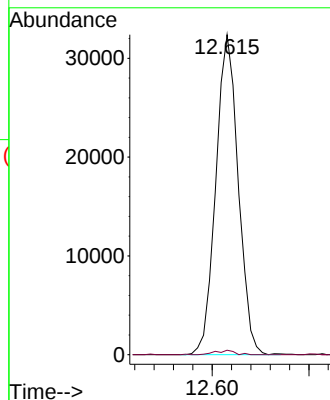
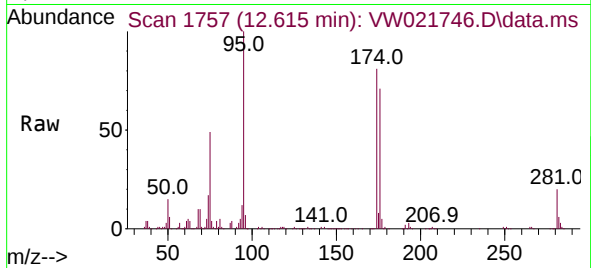




#76  
1,2,3-Trichloropropane  
Concen: 55.588 ug/l  
RT: 12.615 min Scan# 1757  
Delta R.T. -0.153 min  
Lab File: VW021746.D  
Acq: 05 Jan 2022 21:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-10-(10-15)

Tgt Ion: 75 Resp: 51990  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 157.721 ug/l  
RT: 12.615 min Scan# 1757  
Delta R.T. 0.103 min  
Lab File: VW021746.D  
Acq: 05 Jan 2022 21:21

Tgt Ion: 75 Resp: 51990  
Ion Ratio Lower Upper  
75 100  
53 0.1 81.8 122.8#  
89 0.0 38.6 57.8#

