

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081921\  
 Data File : VY005761.D  
 Acq On : 19 Aug 2021 12:06  
 Operator : SY/MD  
 Sample : M3428-10  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-04-6.5-7.0

Quant Time: Aug 20 06:54:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 2021  
 Response via : Initial Calibration

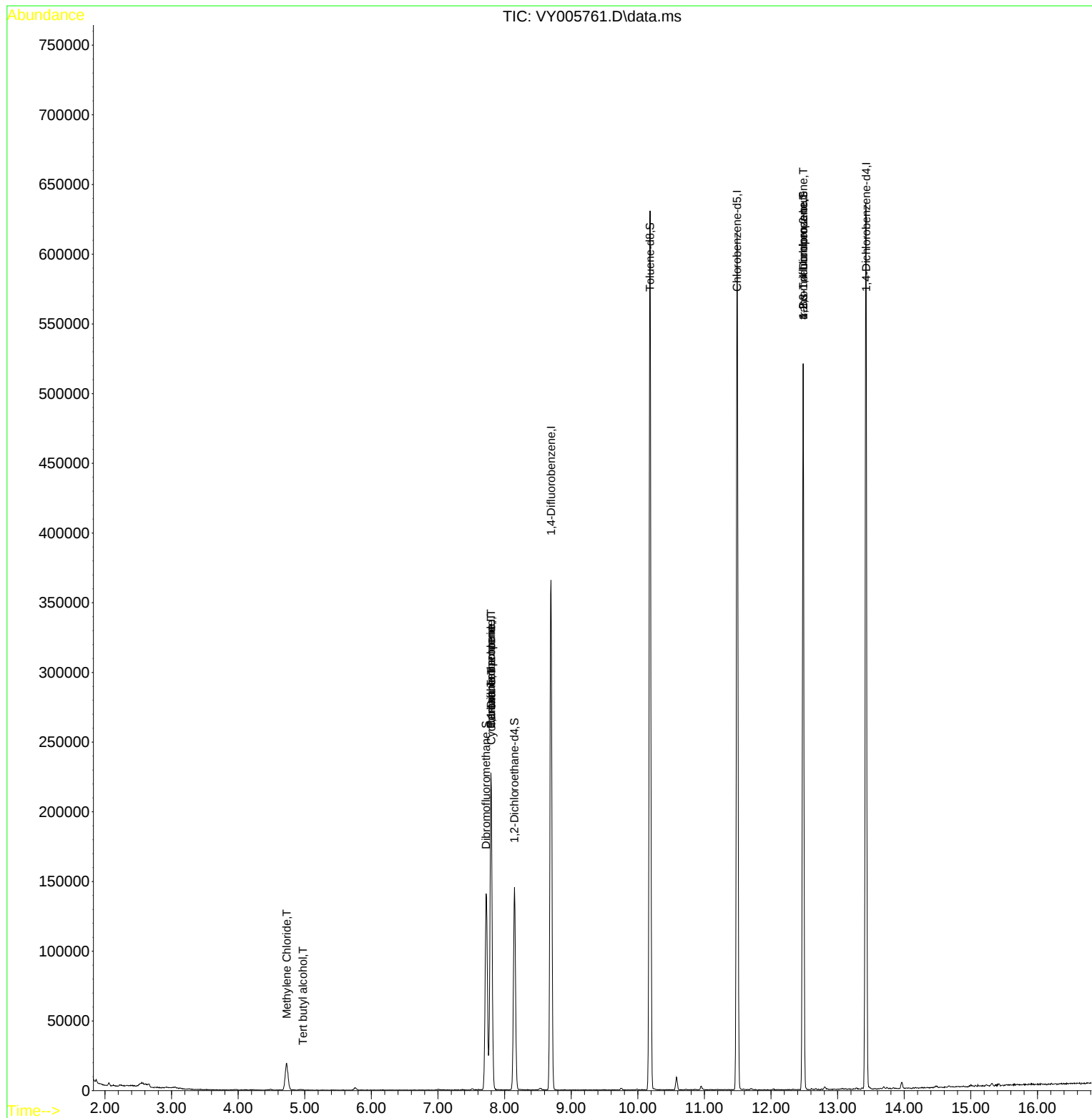
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 180806              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 312915              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490         | 117  | 327048              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 168119              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 116368              | 63.582 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 127.160% |        |        |          |
| 35) Dibromofluoromethane      | 7.722          | 113  | 94821               | 54.124 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 108.240% |        |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 406046              | 55.263 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 110.520% |        |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 143345              | 58.914 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 117.820% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.972          | 59   | 189                 | 1.045  | ug/l # | 73       |
| 20) Methylene Chloride        | 4.729          | 84   | 14022               | 1.823  | ug/l   | 93       |
| 31) Cyclohexane               | 7.801          | 56   | 3698                | 1.178  | ug/l # | 22       |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 12837               | 4.374  | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 16701               | 5.236  | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 78624               | 45.129 | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 78624               | 90.975 | ug/l # | 11       |
| -----                         |                |      |                     |        |        |          |

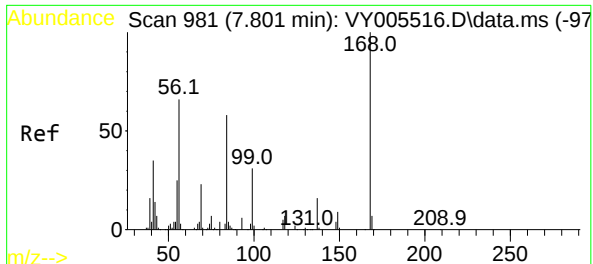
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081921\  
Data File : VY005761.D  
Acq On : 19 Aug 2021 12:06  
Operator : SY/MD  
Sample : M3428-10  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-6.5-7.0

Quant Time: Aug 20 06:54:45 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 03 04:52:05 2021  
Response via : Initial Calibration

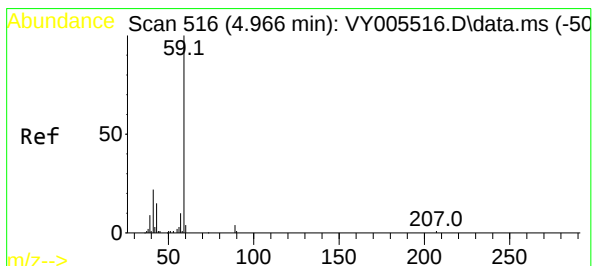
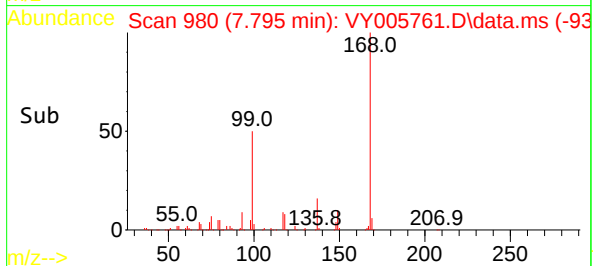
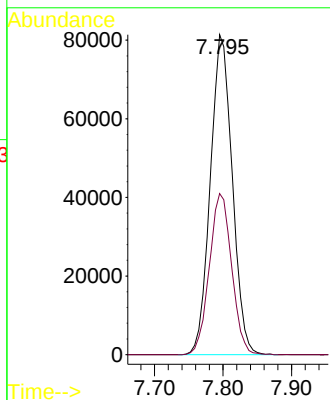
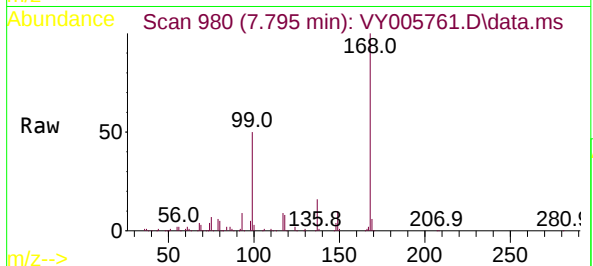




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005761.D  
Acq: 19 Aug 2021 12:06

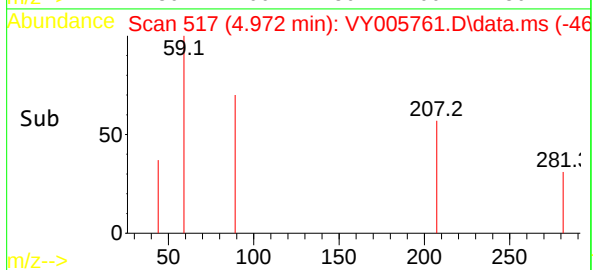
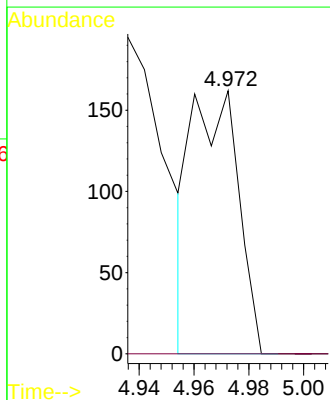
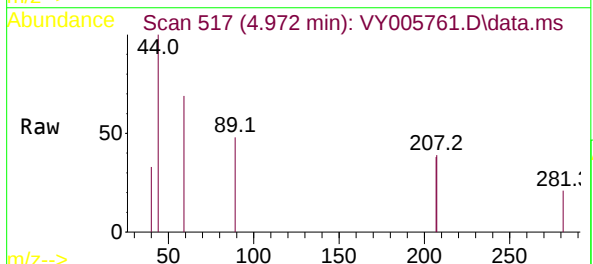
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-6.5-7.0

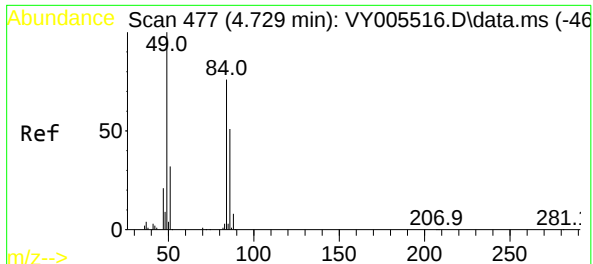
Tgt Ion:168 Resp: 180806  
Ion Ratio Lower Upper  
168 100  
99 50.4 38.9 58.3



#11  
Tert butyl alcohol  
Concen: 1.045 ug/l  
RT: 4.972 min Scan# 517  
Delta R.T. 0.006 min  
Lab File: VY005761.D  
Acq: 19 Aug 2021 12:06

Tgt Ion: 59 Resp: 189  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#





#20

Methylene Chloride

Concen: 1.823 ug/l

RT: 4.729 min Scan# 477

Delta R.T. -0.000 min

Lab File: VY005761.D

Acq: 19 Aug 2021 12:06

Instrument :

MSVOA\_Y

ClientSampleId :

SB-04-6.5-7.0

Tgt Ion: 84 Resp: 14022

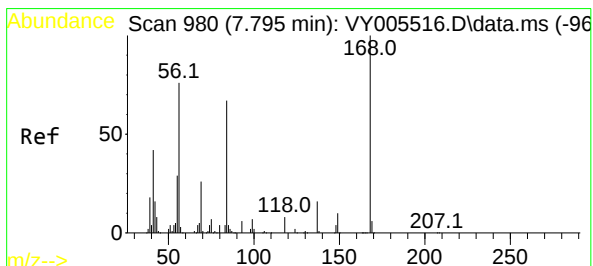
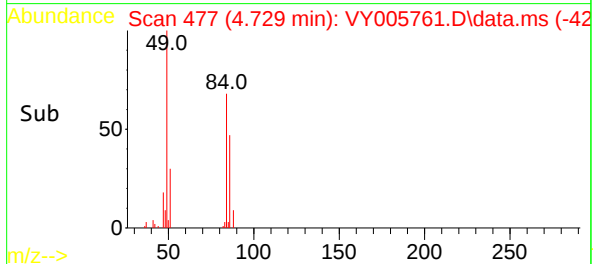
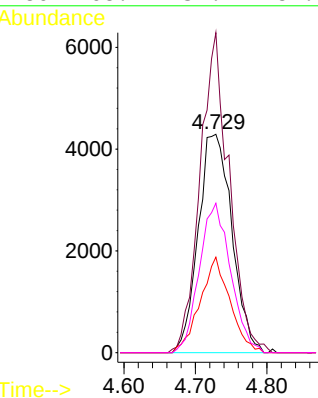
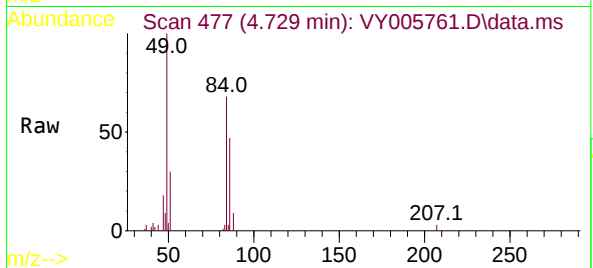
Ion Ratio Lower Upper

84 100

49 146.5 105.8 158.6

51 43.7 33.4 50.2

86 68.4 54.2 81.4



#31

Cyclohexane

Concen: 1.178 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY005761.D

Acq: 19 Aug 2021 12:06

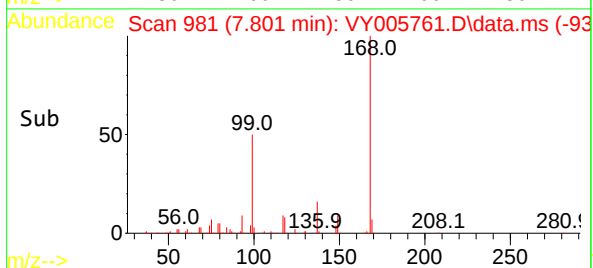
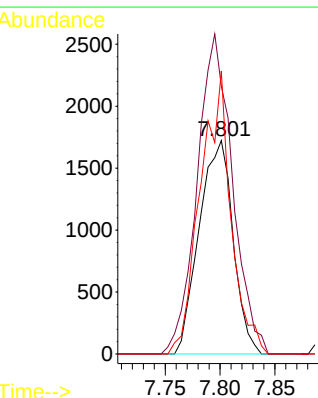
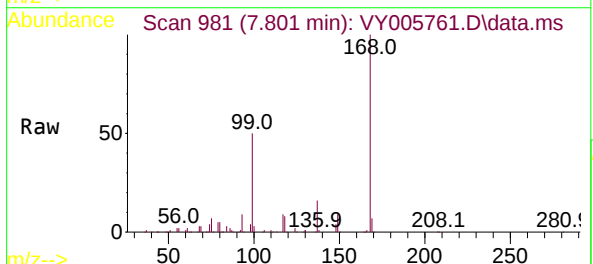
Tgt Ion: 56 Resp: 3698

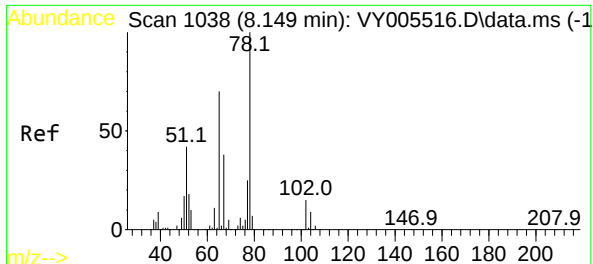
Ion Ratio Lower Upper

56 100

69 125.4 27.7 41.5#

84 132.5 70.9 106.3#

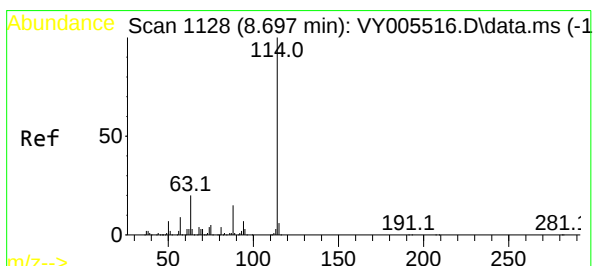
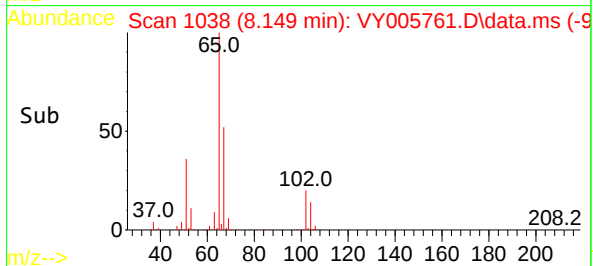
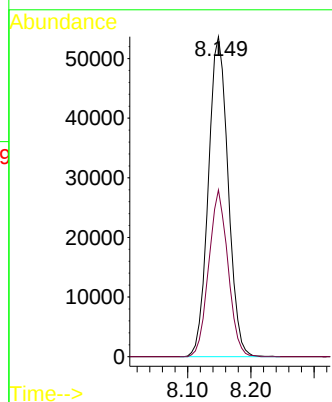
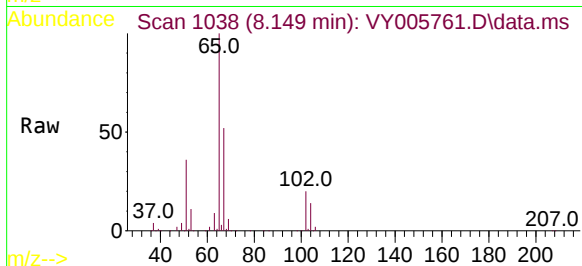




#33  
1,2-Dichloroethane-d4  
Concen: 63.582 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005761.D  
Acq: 19 Aug 2021 12:06

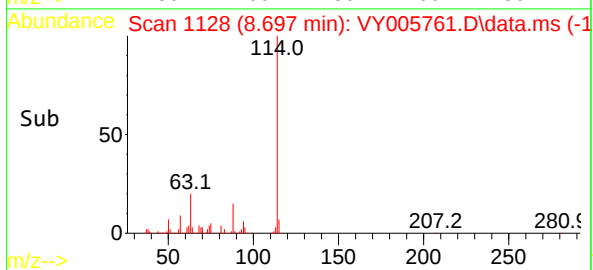
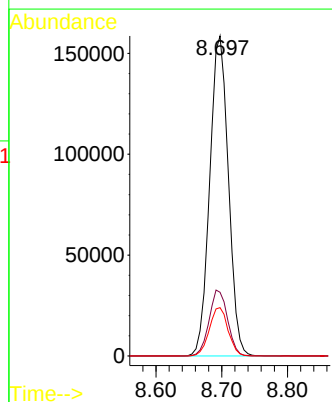
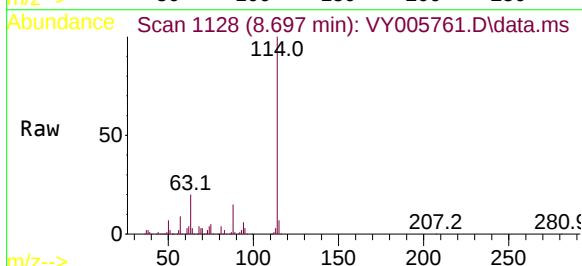
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-6.5-7.0

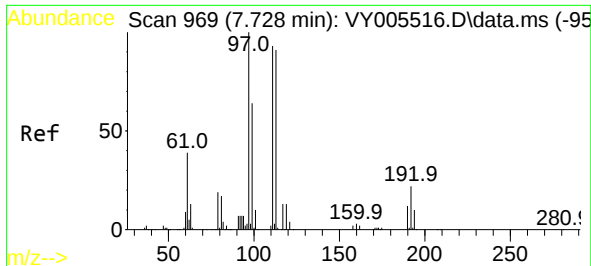
Tgt Ion: 65 Resp: 116368  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 103.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005761.D  
Acq: 19 Aug 2021 12:06

Tgt Ion: 114 Resp: 312915  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 39.2  
88 15.1 0.0 30.8

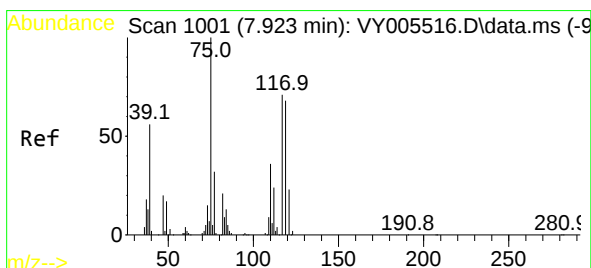
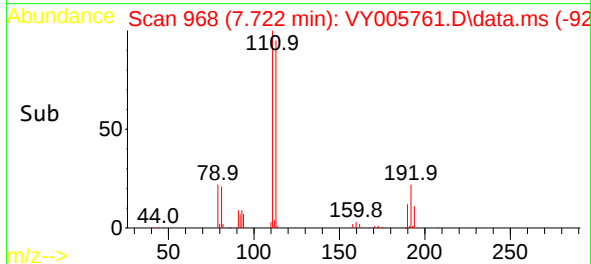
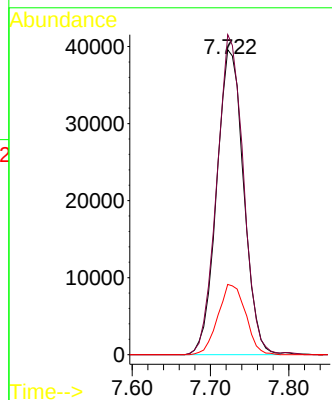
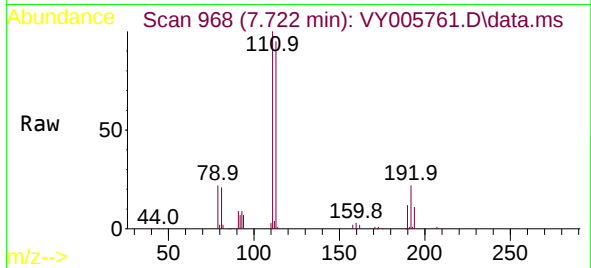




#35  
Dibromofluoromethane  
Concen: 54.124 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY005761.D  
Acq: 19 Aug 2021 12:06

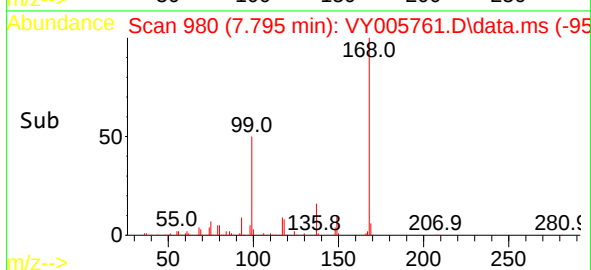
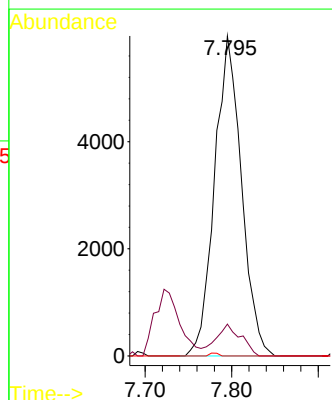
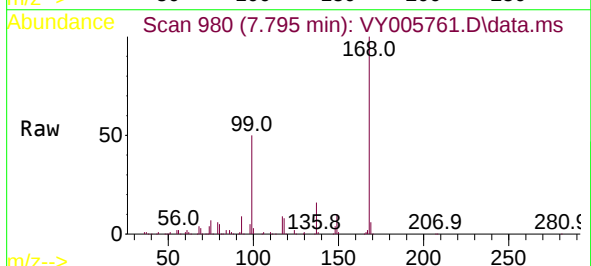
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-6.5-7.0

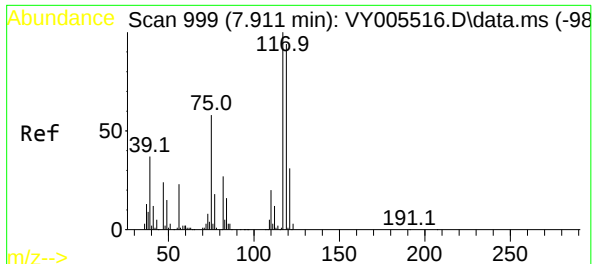
Tgt Ion:113 Resp: 94821  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.9 122.9  
192 23.5 19.2 28.8



#36  
1,1-Dichloropropene  
Concen: 4.374 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY005761.D  
Acq: 19 Aug 2021 12:06

Tgt Ion: 75 Resp: 12837  
Ion Ratio Lower Upper  
75 100  
110 9.3 18.1 54.1#  
77 0.3 25.1 37.7#

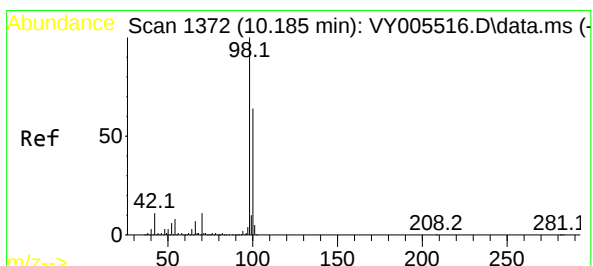
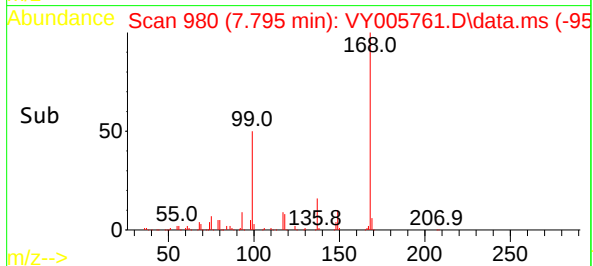
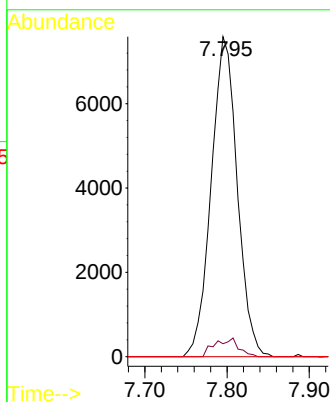
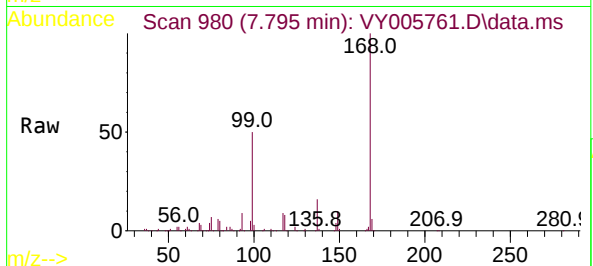




#38  
Carbon Tetrachloride  
Concen: 5.236 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY005761.D  
Acq: 19 Aug 2021 12:06

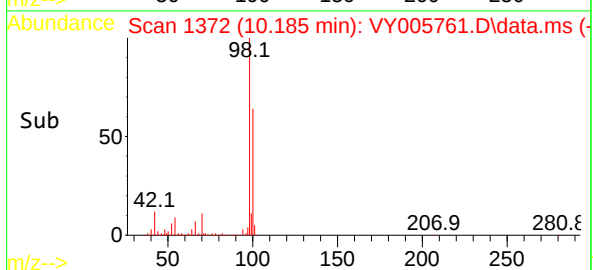
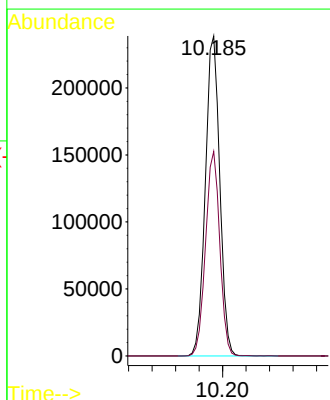
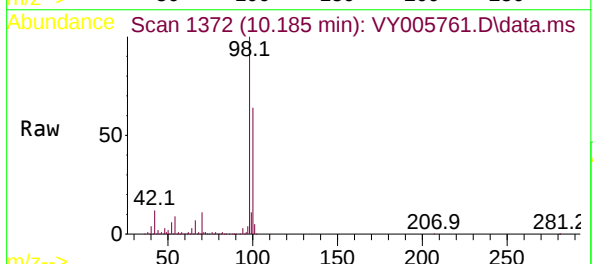
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-6.5-7.0

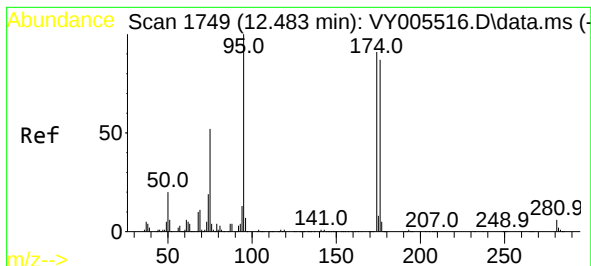
Tgt Ion:117 Resp: 16701  
Ion Ratio Lower Upper  
117 100  
119 4.0 75.4 113.0#  
121 0.0 25.1 37.7#



#50  
Toluene-d8  
Concen: 55.263 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005761.D  
Acq: 19 Aug 2021 12:06

Tgt Ion: 98 Resp: 406046  
Ion Ratio Lower Upper  
98 100  
100 63.1 51.3 76.9

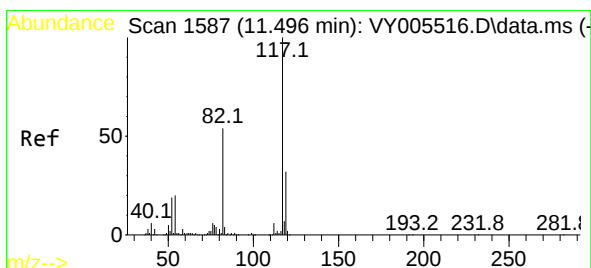
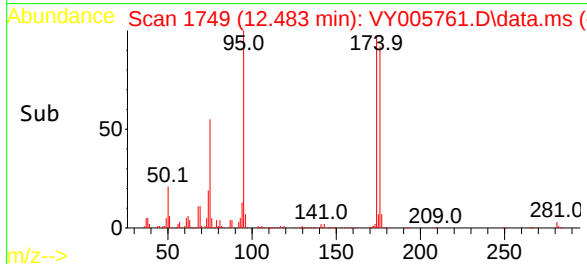
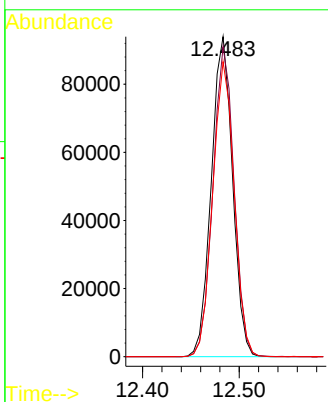
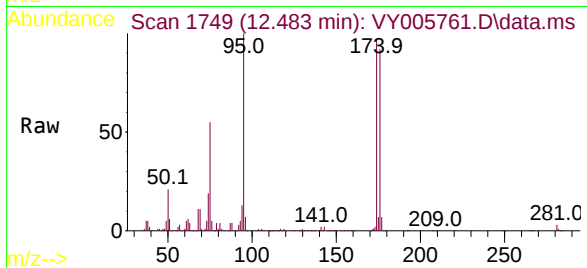




#62  
4-Bromofluorobenzene  
Concen: 58.914 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005761.D  
Acq: 19 Aug 2021 12:06

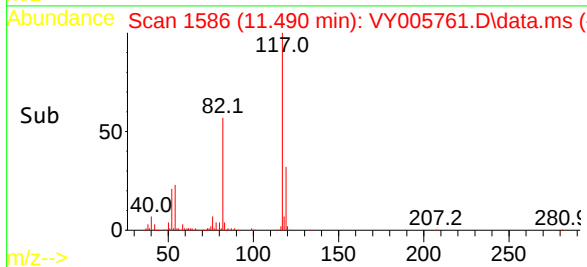
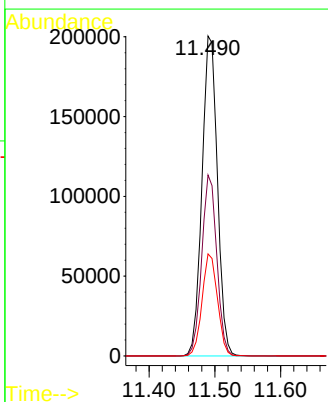
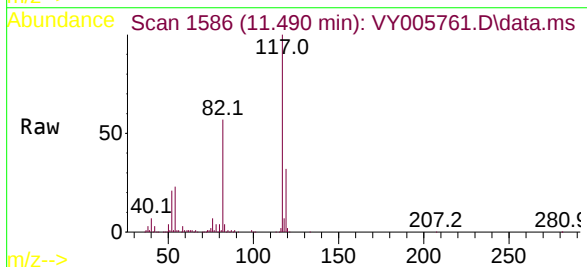
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-6.5-7.0

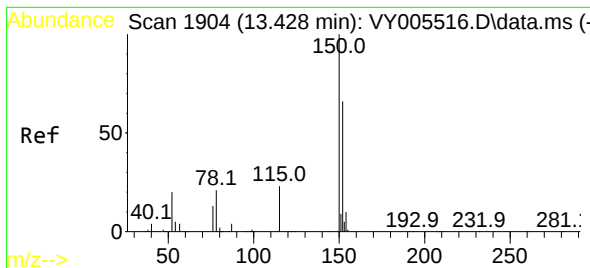
Tgt Ion: 95 Resp: 143345  
Ion Ratio Lower Upper  
95 100  
174 96.2 0.0 191.4  
176 92.9 0.0 183.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY005761.D  
Acq: 19 Aug 2021 12:06

Tgt Ion: 117 Resp: 327048  
Ion Ratio Lower Upper  
117 100  
82 56.6 43.5 65.3  
119 31.9 25.5 38.3

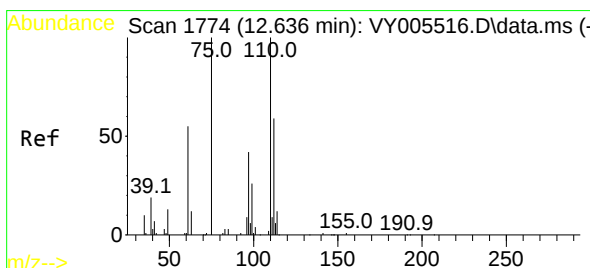
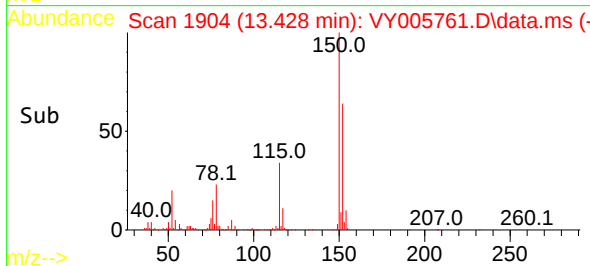
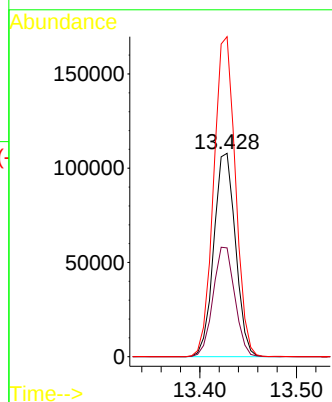
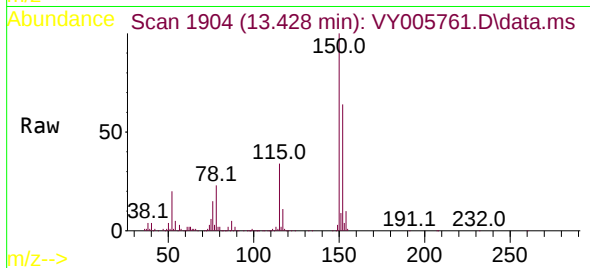




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY005761.D  
 Acq: 19 Aug 2021 12:06

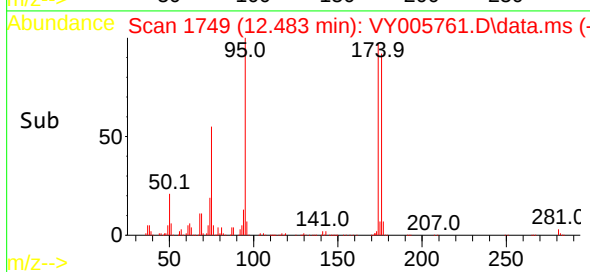
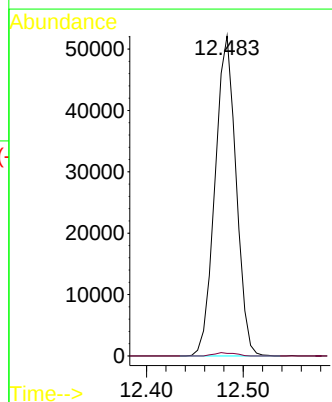
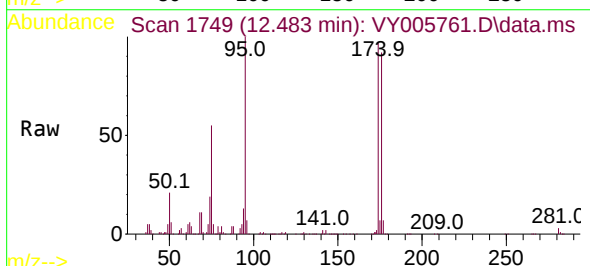
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-04-6.5-7.0

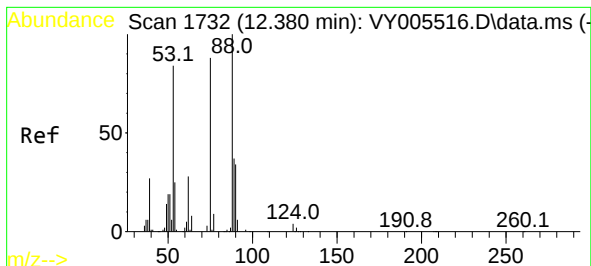
Tgt Ion:152 Resp: 168119  
 Ion Ratio Lower Upper  
 152 100  
 115 53.9 27.3 81.9  
 150 157.4 0.0 350.2



#76  
 1,2,3-Trichloropropane  
 Concen: 45.129 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY005761.D  
 Acq: 19 Aug 2021 12:06

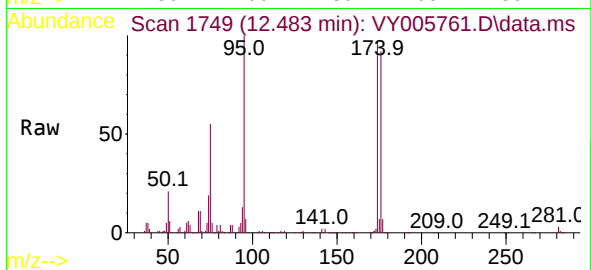
Tgt Ion: 75 Resp: 78624  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.975 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY005761.D  
Acq: 19 Aug 2021 12:06

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-04-6.5-7.0



Tgt Ion: 75 Resp: 78624  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.7 115.1#  
89 0.0 38.4 57.6#

