

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091021\  
 Data File : VY005992.D  
 Acq On : 10 Sep 2021 18:49  
 Operator : SY/MD  
 Sample : M3687-17  
 Misc : 6.28G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 11 01:23:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y083121S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 01 05:32:43 2021  
 Response via : Initial Calibration

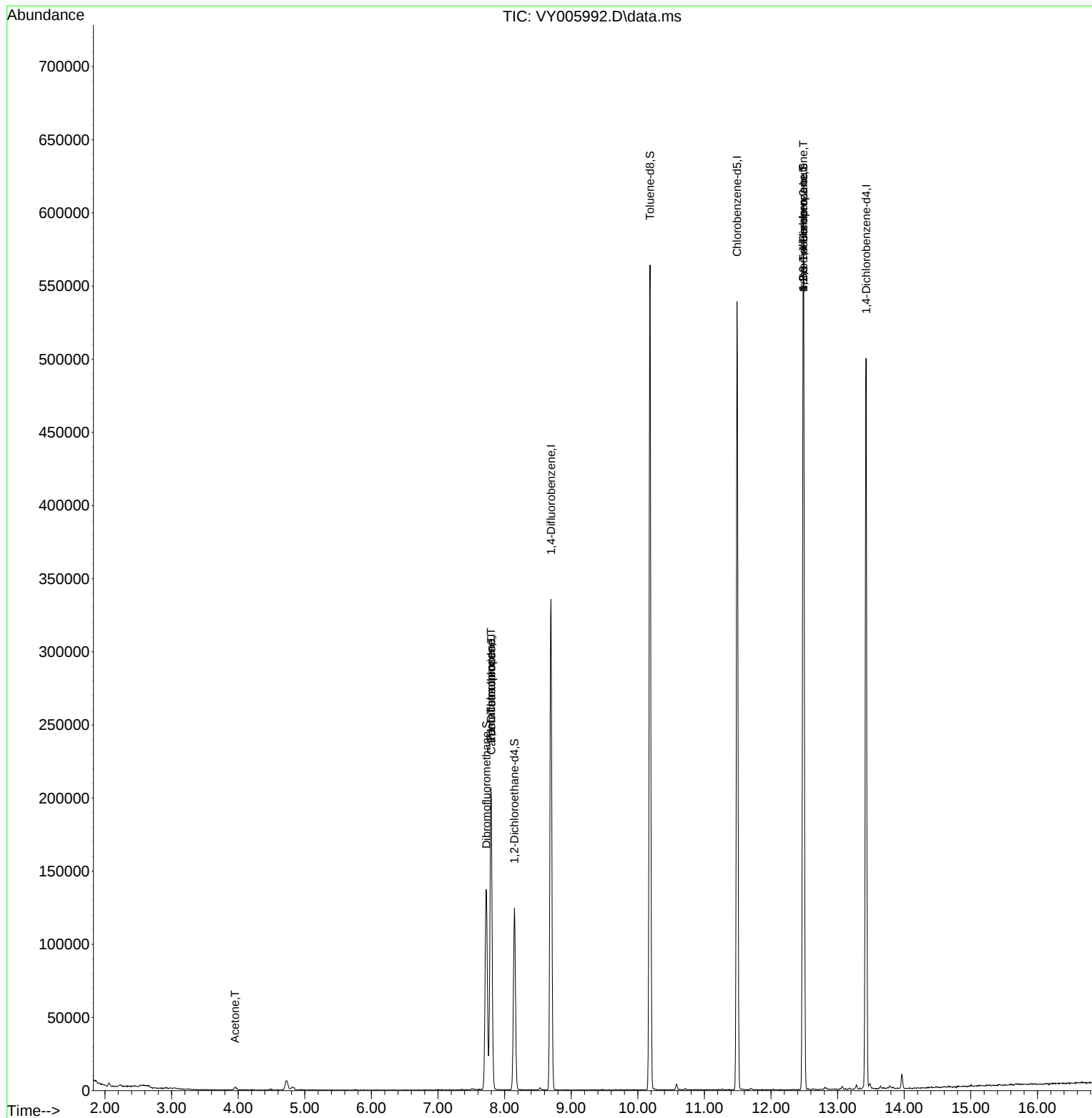
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 178243              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 301093              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 306806              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 137632              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 98183               | 54.662    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 109.320% |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 94236               | 55.730    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 111.460% |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 377558              | 53.203    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 106.400% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 126858              | 53.237    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 106.480% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 16) Acetone                   | 3.954          | 43   | 3428                | 7.485     | ug/l # | 84       |
| 20) Methylene Chloride        | 4.722          | 84   | 5472                | Below Cal |        | 92       |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 10694               | 3.772     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.801          | 117  | 15796               | 5.141     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 65140               | 50.567    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 65140               | 96.168    | ug/l # | 14       |
| -----                         |                |      |                     |           |        |          |

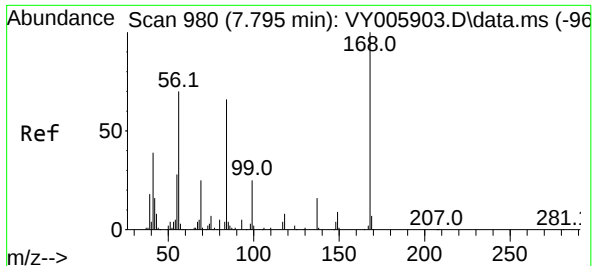
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Sep 01 05:32:43 2021  
Response via : Initial Calibration

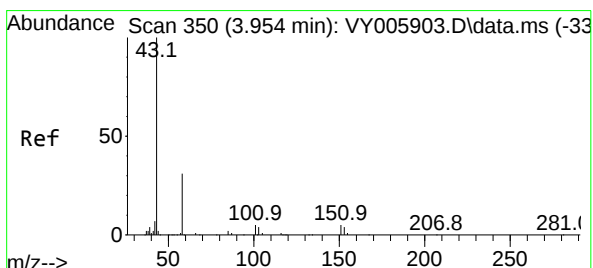
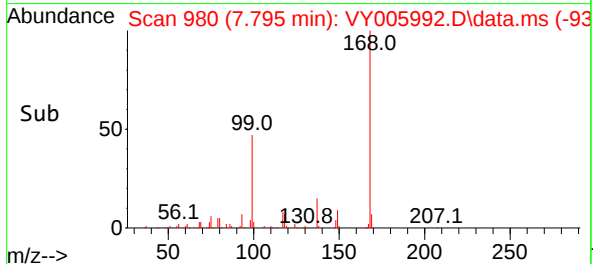
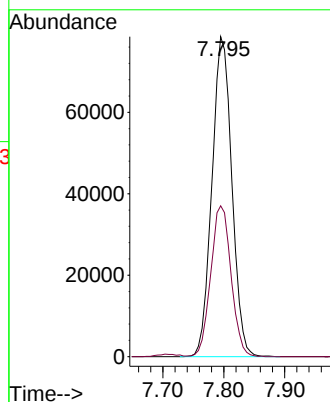
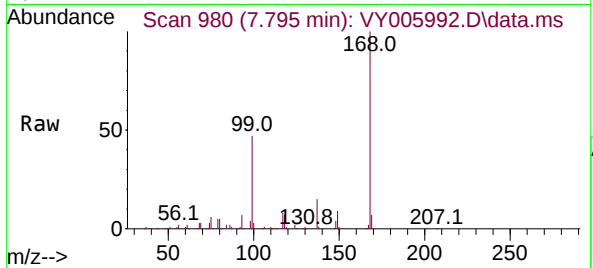




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

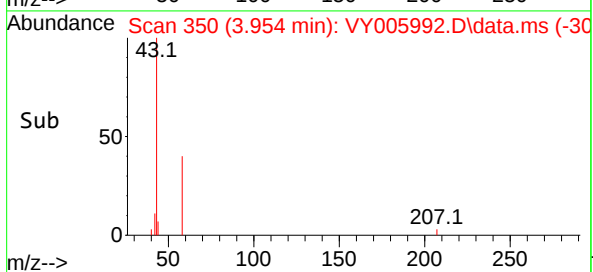
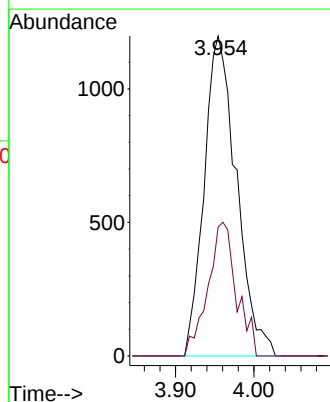
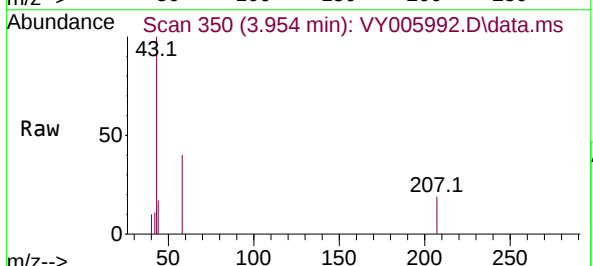
Instrument :  
MSVOA\_Y  
ClientSampleId :

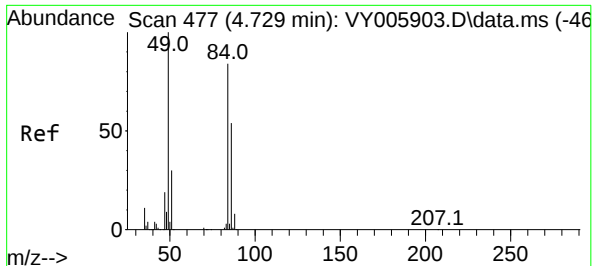
Tgt Ion:168 Resp: 178243  
Ion Ratio Lower Upper  
168 100  
99 47.2 40.6 60.8



#16  
Acetone  
Concen: 7.485 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.000 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

Tgt Ion: 43 Resp: 3428  
Ion Ratio Lower Upper  
43 100  
58 40.2 25.1 37.7#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. -0.007 min

Lab File: VY005992.D

Acq: 10 Sep 2021 18:49

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 84 Resp: 5472

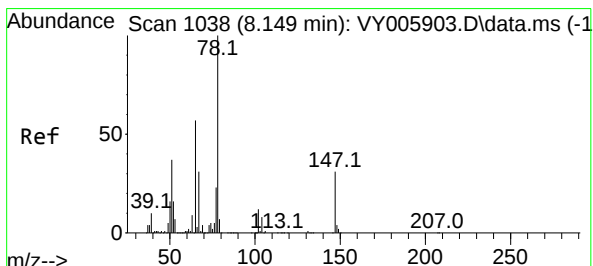
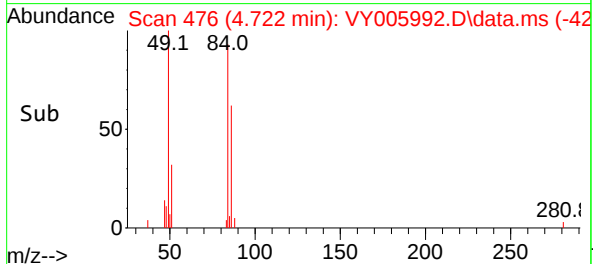
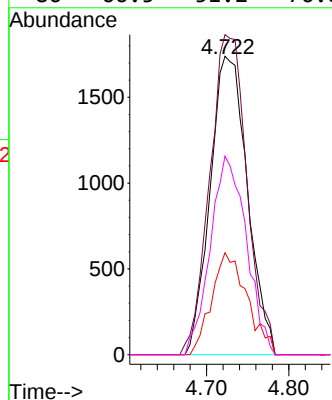
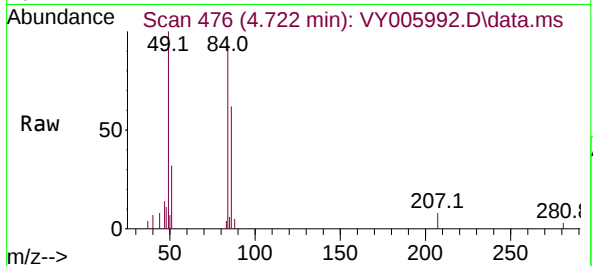
Ion Ratio Lower Upper

84 100

49 107.2 95.7 143.5

51 34.2 29.0 43.6

86 66.5 51.2 76.8



#33

1,2-Dichloroethane-d4

Concen: 54.662 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY005992.D

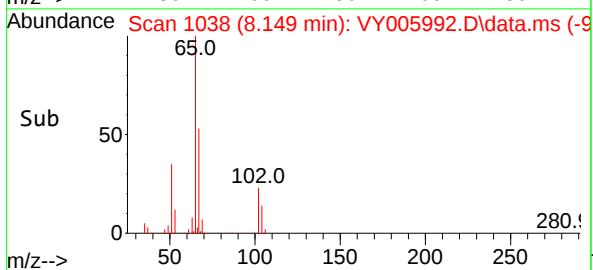
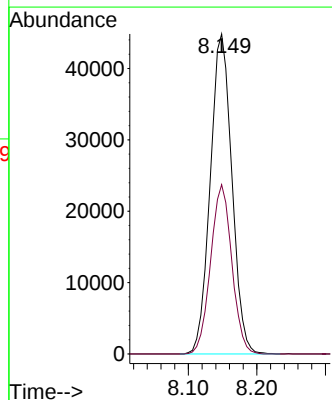
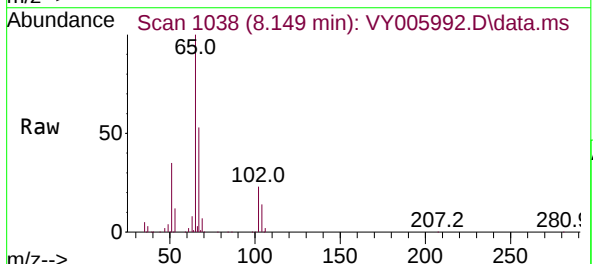
Acq: 10 Sep 2021 18:49

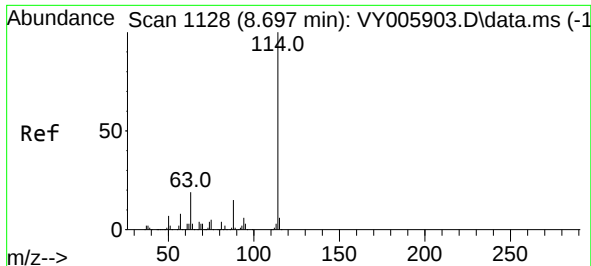
Tgt Ion: 65 Resp: 98183

Ion Ratio Lower Upper

65 100

67 51.8 0.0 105.4

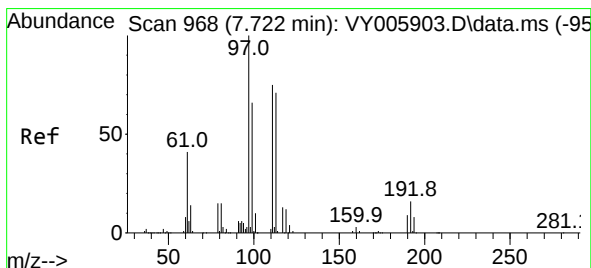
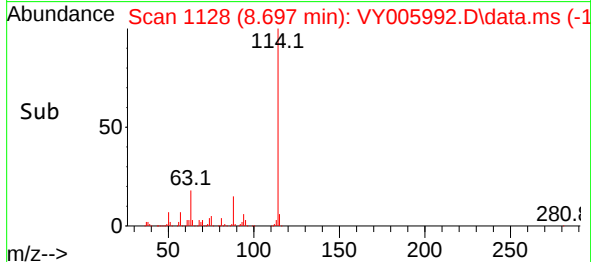
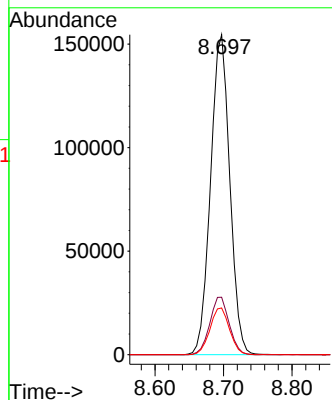
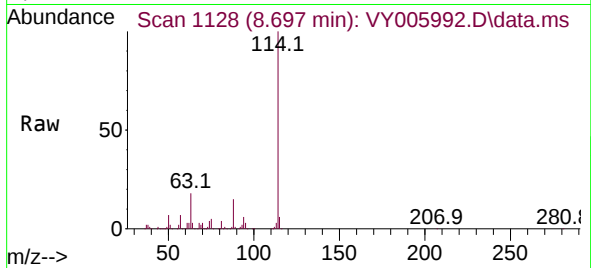




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

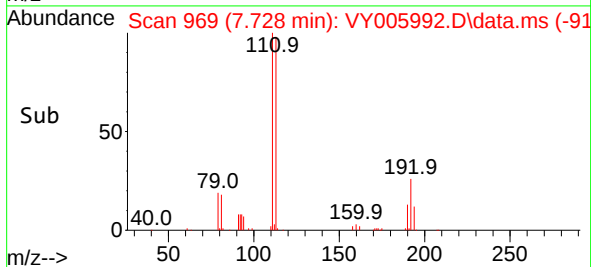
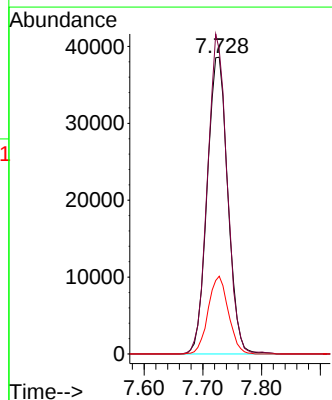
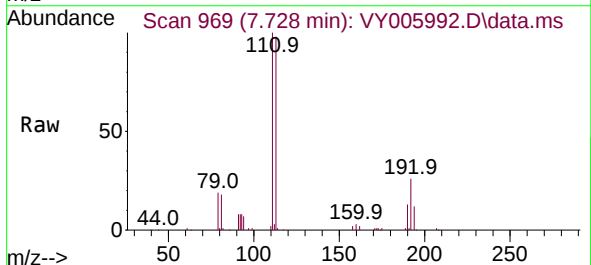
Instrument :  
MSVOA\_Y  
ClientSampled :

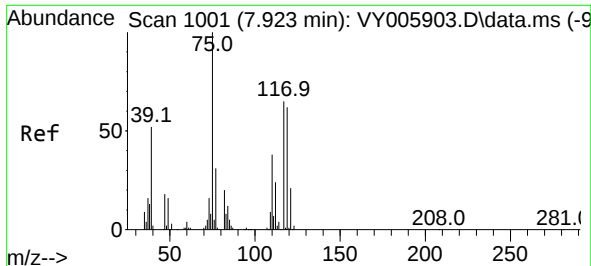
Tgt Ion:114 Resp: 301093  
Ion Ratio Lower Upper  
114 100  
63 18.0 0.0 38.4  
88 14.6 0.0 30.0



#35  
Dibromofluoromethane  
Concen: 55.730 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.006 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

Tgt Ion:113 Resp: 94236  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.9 122.9  
192 25.6 19.4 29.0





#36

1,1-Dichloropropene

Concen: 3.772 ug/l

RT: 7.795 min Scan# 980

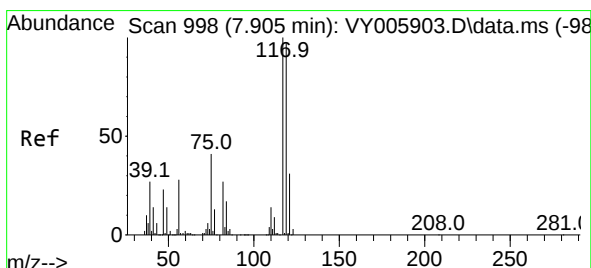
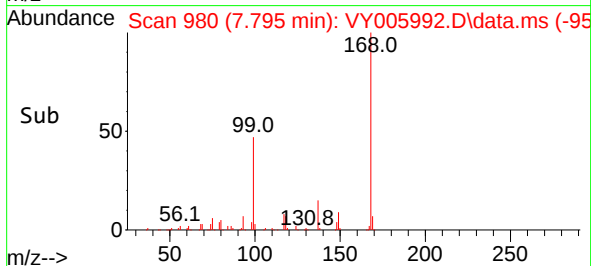
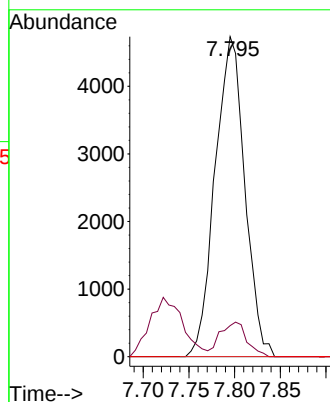
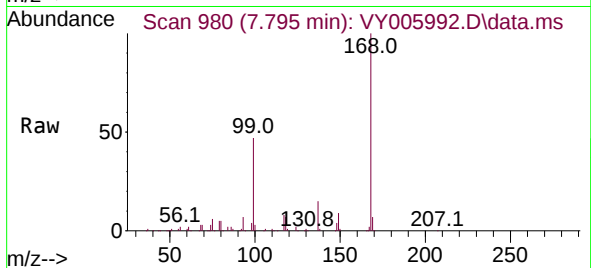
Delta R.T. -0.128 min

Lab File: VY005992.D

Acq: 10 Sep 2021 18:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 10694 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.7   | 18.1  | 54.3# |
| 77       | 0.0   | 24.9  | 37.3# |

Instrument :  
MSVOA\_Y  
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.141 ug/l

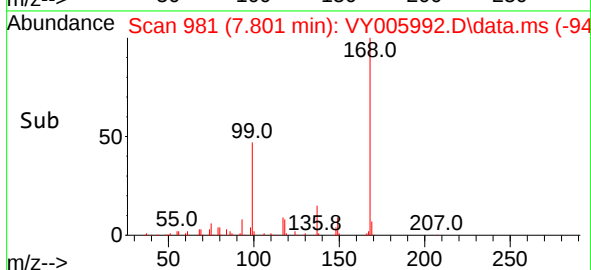
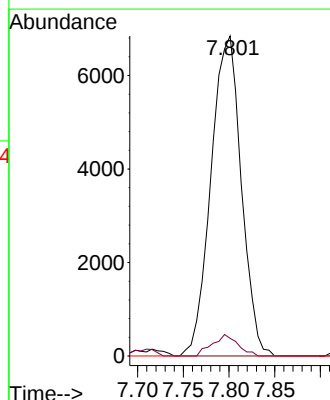
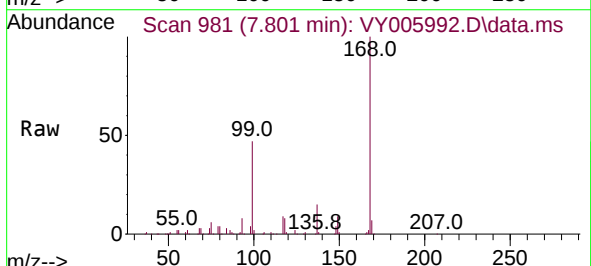
RT: 7.801 min Scan# 981

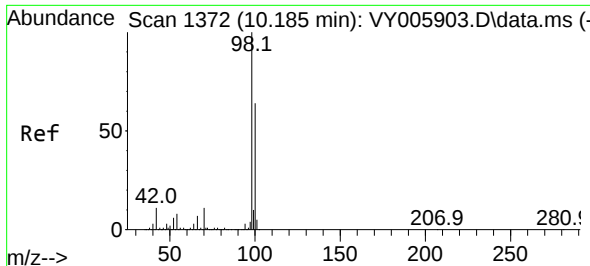
Delta R.T. -0.104 min

Lab File: VY005992.D

Acq: 10 Sep 2021 18:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 15796  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.5   | 77.5  | 116.3# |
| 121      | 0.0   | 25.0  | 37.6#  |

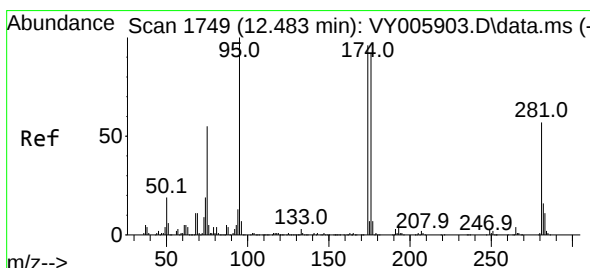
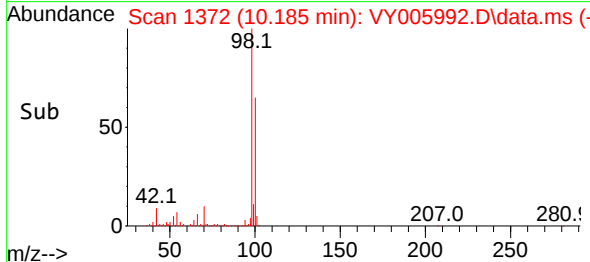
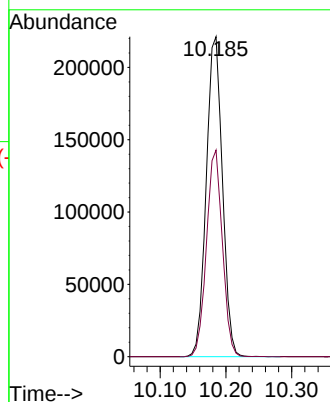
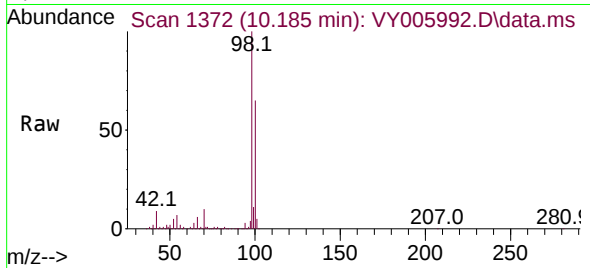




#50  
Toluene-d8  
Concen: 53.203 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

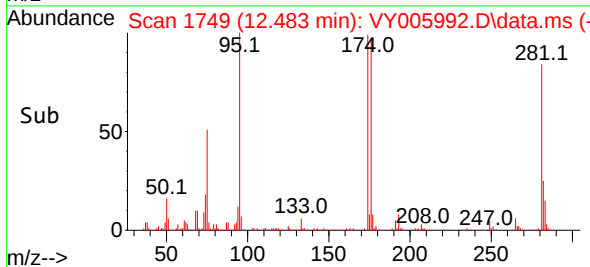
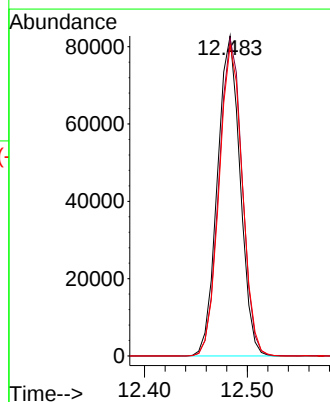
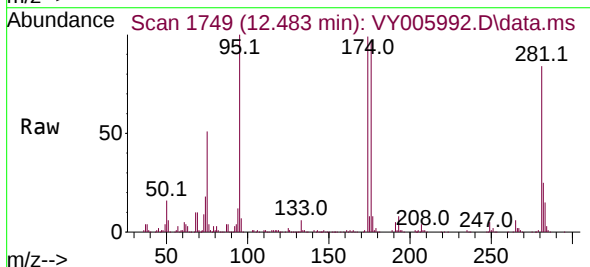
Instrument :  
MSVOA\_Y  
ClientSampled :

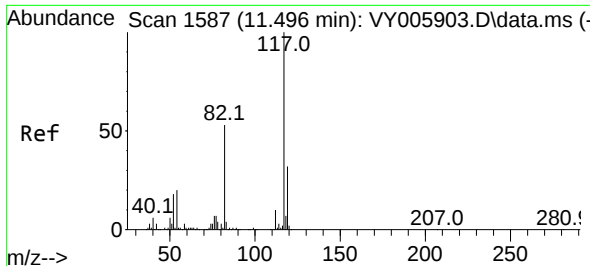
Tgt Ion: 98 Resp: 377558  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 53.237 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

Tgt Ion: 95 Resp: 126858  
Ion Ratio Lower Upper  
95 100  
174 101.1 0.0 192.4  
176 98.9 0.0 186.8

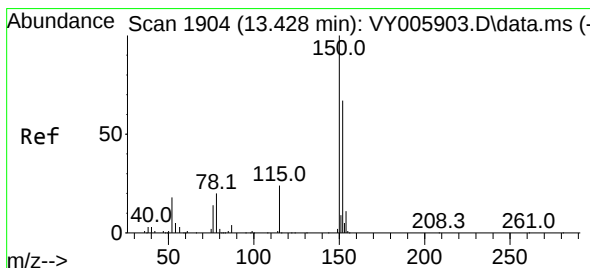
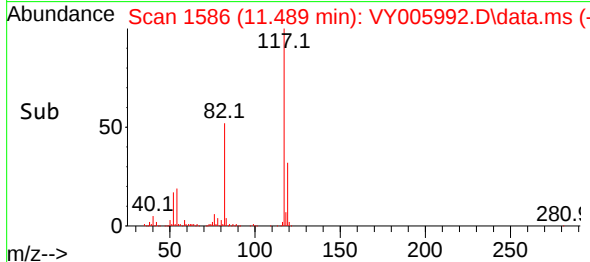
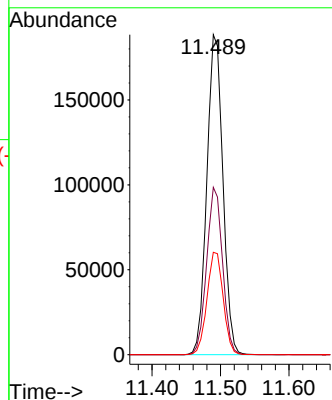
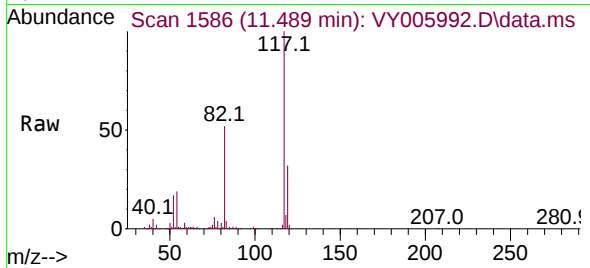




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

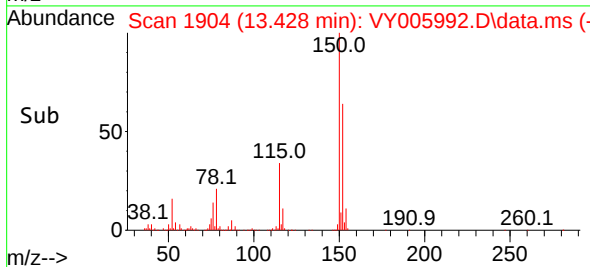
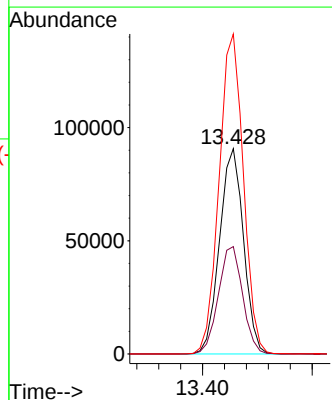
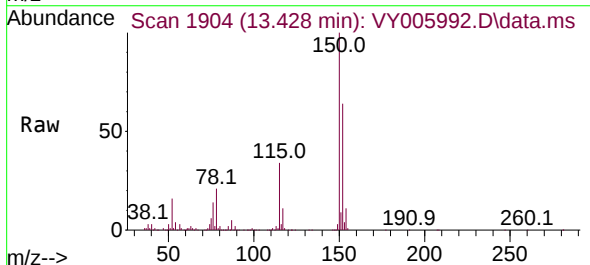
Instrument :  
MSVOA\_Y  
ClientSampleId :

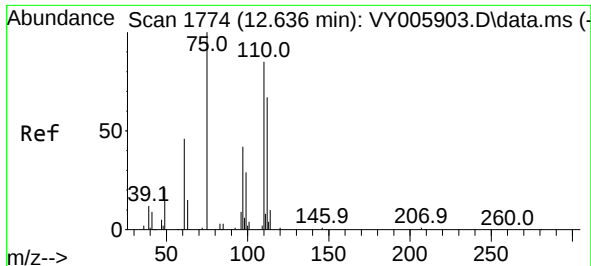
Tgt Ion:117 Resp: 306806  
Ion Ratio Lower Upper  
117 100  
82 52.3 42.4 63.6  
119 32.0 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

Tgt Ion:152 Resp: 137632  
Ion Ratio Lower Upper  
152 100  
115 53.0 26.8 80.4  
150 157.8 0.0 345.6

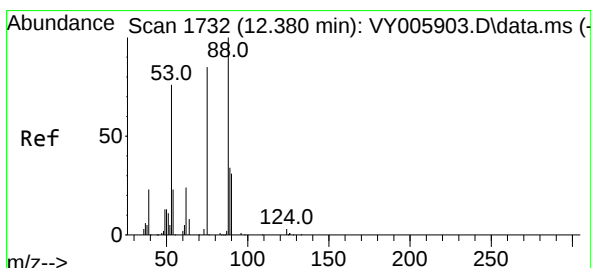
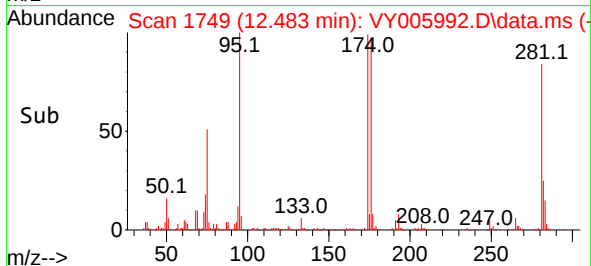
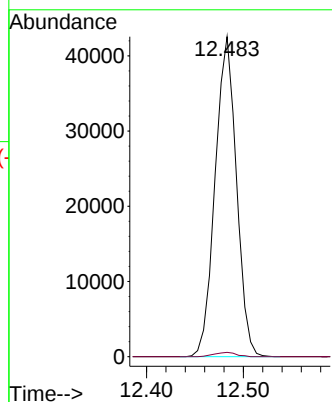
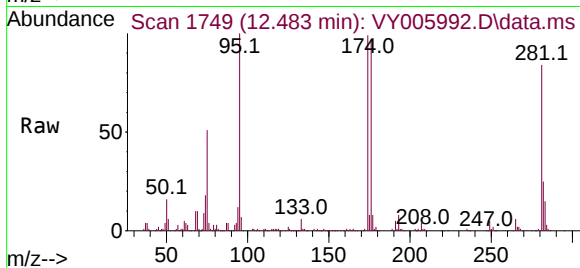




#76  
1,2,3-Trichloropropane  
Concen: 50.567 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

Instrument :  
MSVOA\_Y  
ClientSampled :

Tgt Ion: 75 Resp: 65140  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 96.168 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY005992.D  
Acq: 10 Sep 2021 18:49

Tgt Ion: 75 Resp: 65140  
Ion Ratio Lower Upper  
75 100  
53 0.0 71.8 107.8#  
89 0.9 35.8 53.6#

