

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY093021\  
 Data File : VY006245.D  
 Acq On : 30 Sep 2021 17:14  
 Operator : SY/MD  
 Sample : M3998-02  
 Misc : 5.05G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 01 06:28:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 17:44:36 2021  
 Response via : Initial Calibration

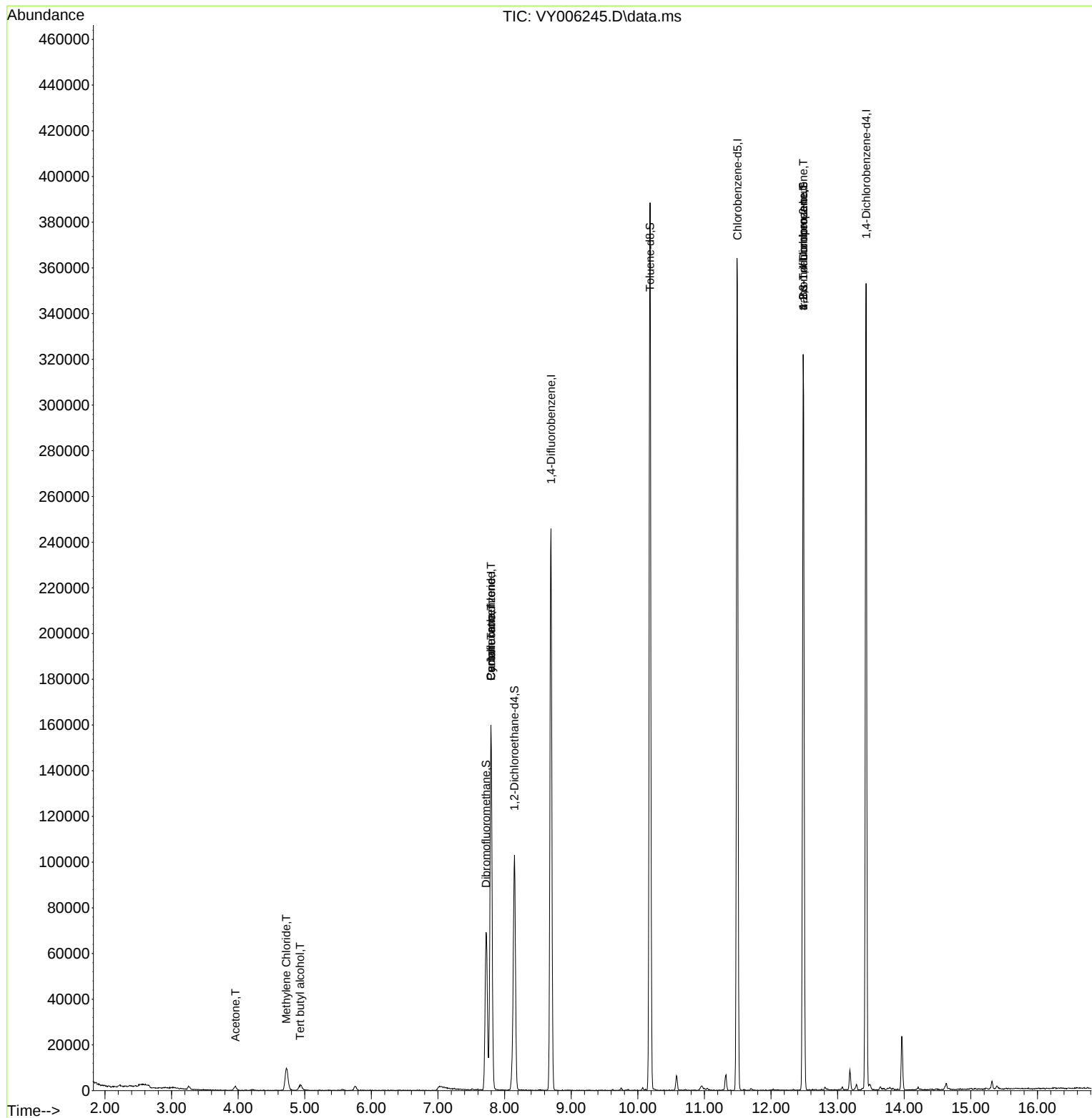
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 124470              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 200994              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 190285              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 87838               | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 81420               | 61.117  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 122.240% |         |        |          |
| 35) Dibromofluoromethane      | 7.722          | 113  | 47206               | 43.960  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 87.920%  |         |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 253003              | 56.296  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 112.600% |         |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 78069               | 51.135  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 102.260% |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.930          | 59   | 2602                | 22.328  | ug/l # | 77       |
| 16) Acetone                   | 3.960          | 43   | 3394                | 9.122   | ug/l   | 89       |
| 20) Methylene Chloride        | 4.722          | 84   | 7018                | 1.867   | ug/l # | 84       |
| 31) Cyclohexane               | 7.795          | 56   | 2846                | 1.128   | ug/l # | 33       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 12239               | 5.796   | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 45634               | 53.452  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 45634               | 105.041 | ug/l # | 7        |
| -----                         |                |      |                     |         |        |          |

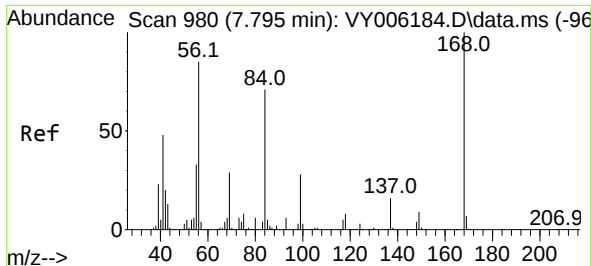
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 01 06:28:18 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 28 17:44:36 2021  
Response via : Initial Calibration

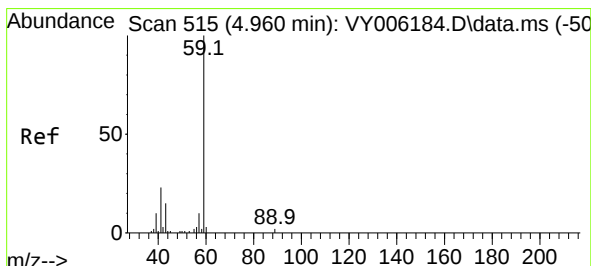
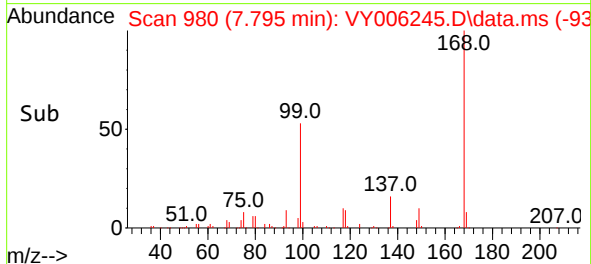
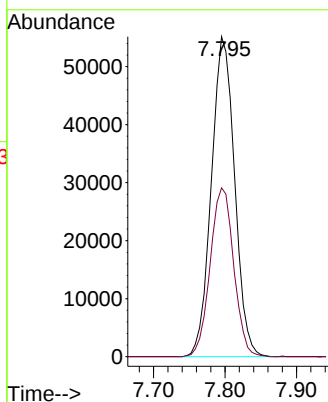
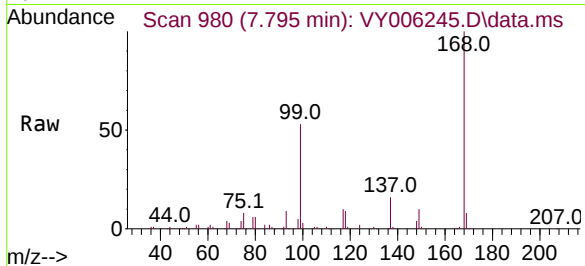




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY006245.D  
Acq: 30 Sep 2021 17:14

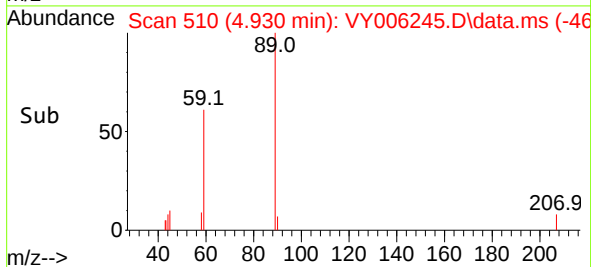
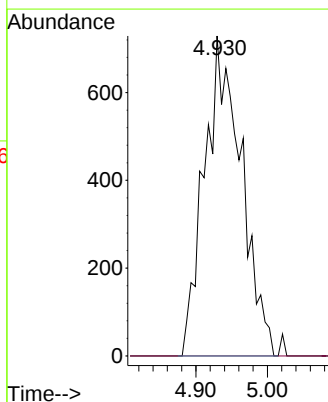
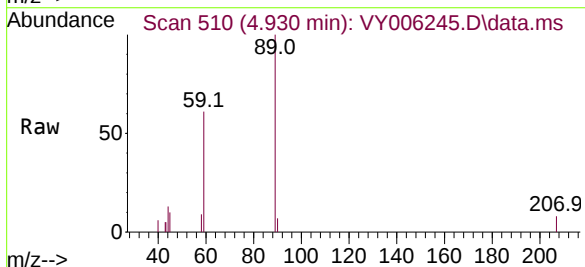
Instrument :  
MSVOA\_Y  
ClientSampleId :

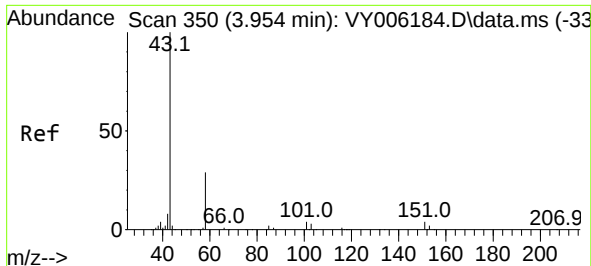
Tgt Ion:168 Resp: 124470  
Ion Ratio Lower Upper  
168 100  
99 52.8 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 22.328 ug/l  
RT: 4.930 min Scan# 510  
Delta R.T. -0.030 min  
Lab File: VY006245.D  
Acq: 30 Sep 2021 17:14

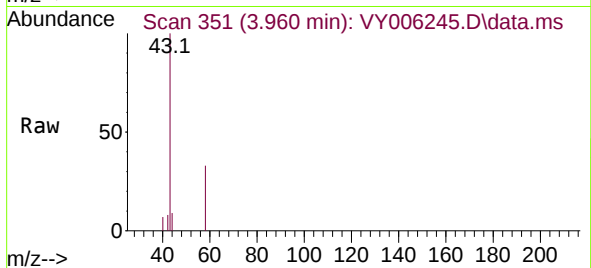
Tgt Ion: 59 Resp: 2602  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#



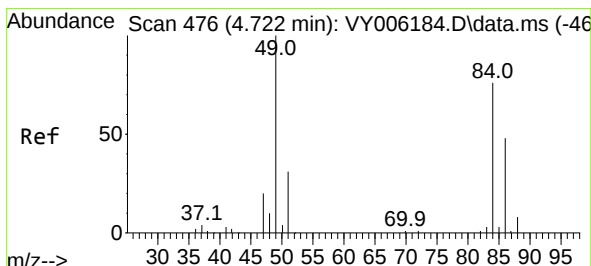
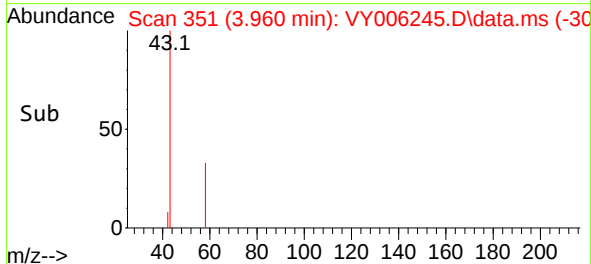
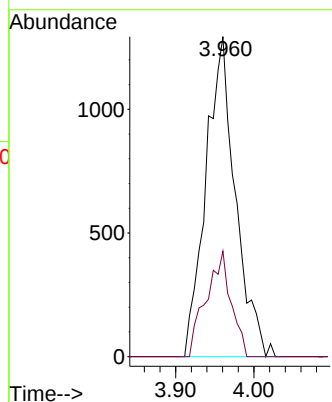


#16  
Acetone  
Concen: 9.122 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY006245.D  
Acq: 30 Sep 2021 17:14

Instrument :  
MSVOA\_Y  
ClientSampled :

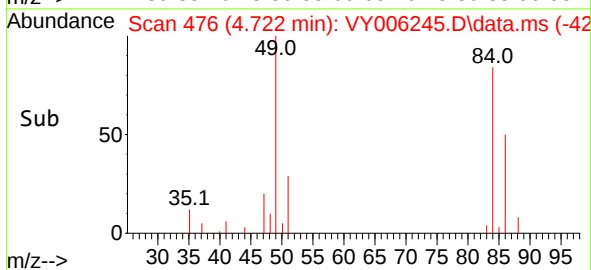
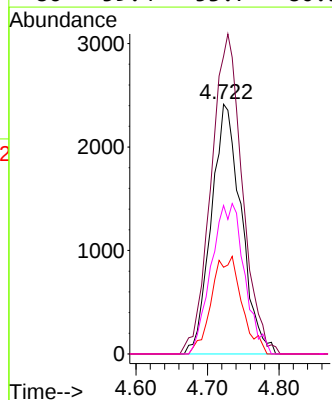
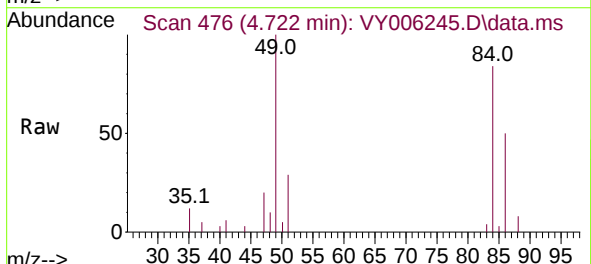


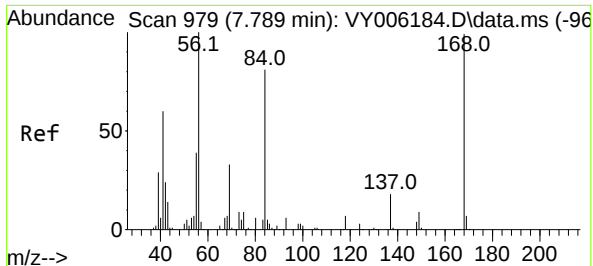
Tgt Ion: 43 Resp: 3394  
Ion Ratio Lower Upper  
43 100  
58 33.0 22.0 33.0



#20  
Methylene Chloride  
Concen: 1.867 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VY006245.D  
Acq: 30 Sep 2021 17:14

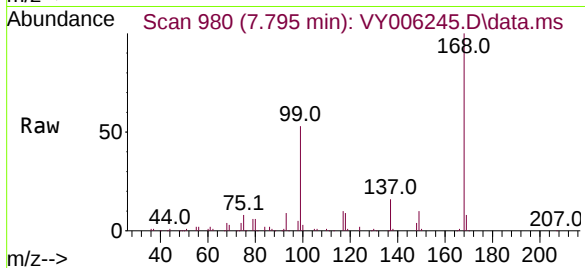
Tgt Ion: 84 Resp: 7018  
Ion Ratio Lower Upper  
84 100  
49 119.2 114.4 171.6  
51 34.7 35.3 52.9#  
86 59.4 53.7 80.5



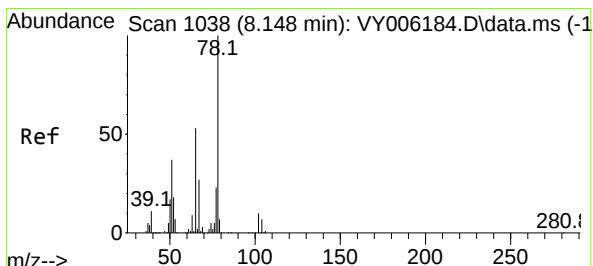
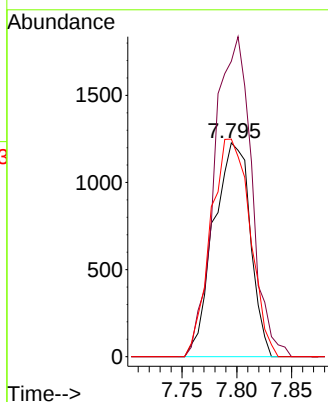
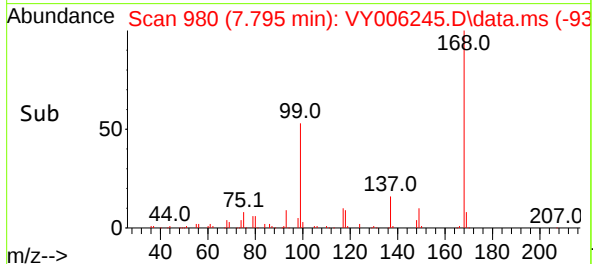


#31  
Cyclohexane  
Concen: 1.128 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY006245.D  
Acq: 30 Sep 2021 17:14

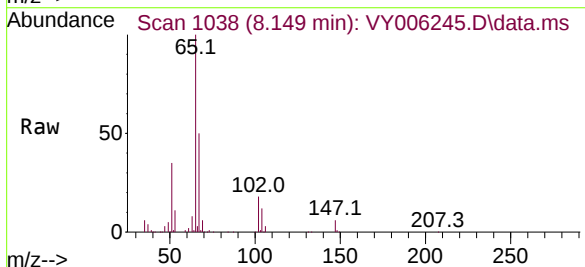
Instrument :  
MSVOA\_Y  
ClientSampleId :



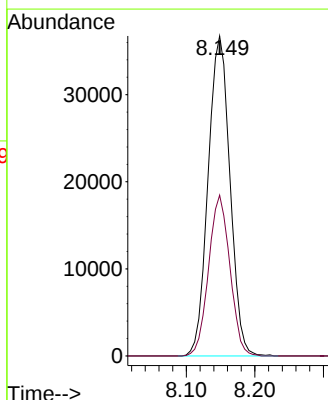
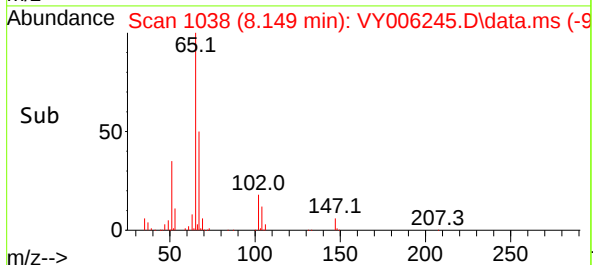
Tgt Ion: 56 Resp: 2846  
Ion Ratio Lower Upper  
56 100  
69 138.2 26.7 40.1#  
84 101.8 67.2 100.8#

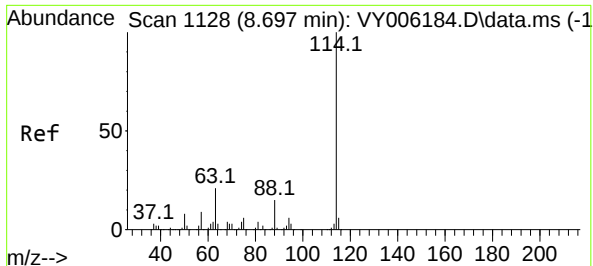


#33  
1,2-Dichloroethane-d4  
Concen: 61.117 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY006245.D  
Acq: 30 Sep 2021 17:14



Tgt Ion: 65 Resp: 81420  
Ion Ratio Lower Upper  
65 100  
67 48.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY006245.D

Acq: 30 Sep 2021 17:14

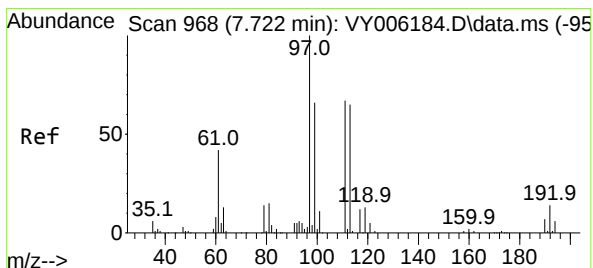
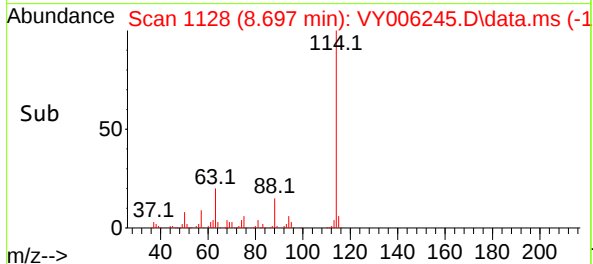
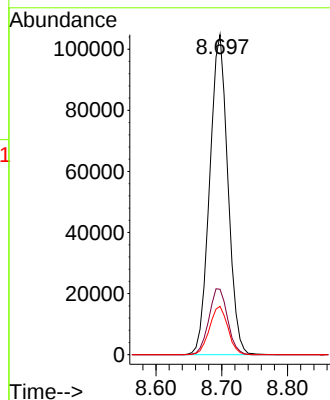
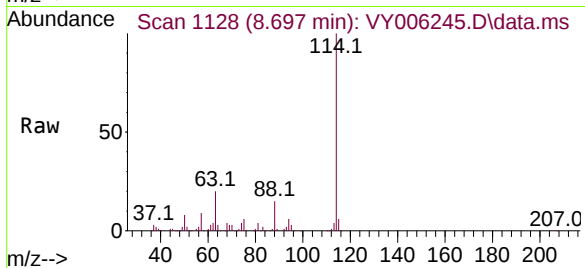
Tgt Ion:114 Resp: 200994

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 43.960 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY006245.D

Acq: 30 Sep 2021 17:14

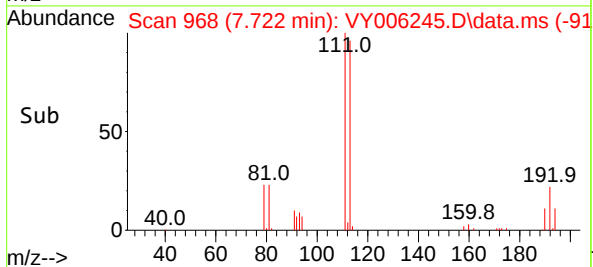
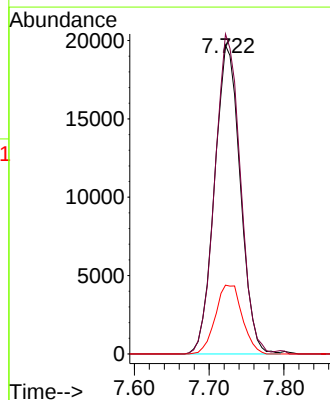
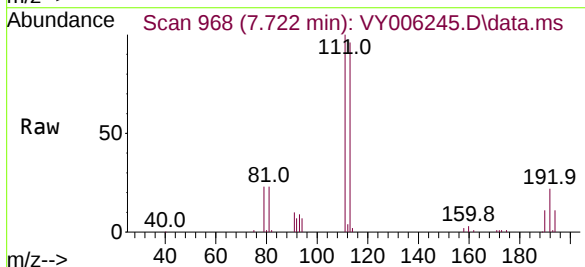
Tgt Ion:113 Resp: 47206

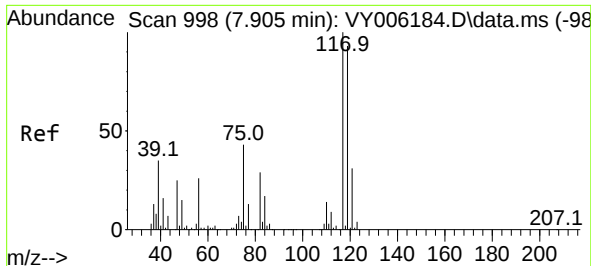
Ion Ratio Lower Upper

113 100

111 102.6 82.6 124.0

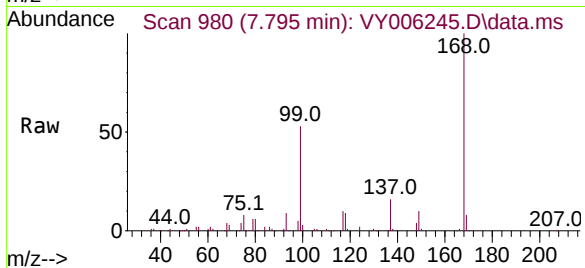
192 23.3 17.6 26.4



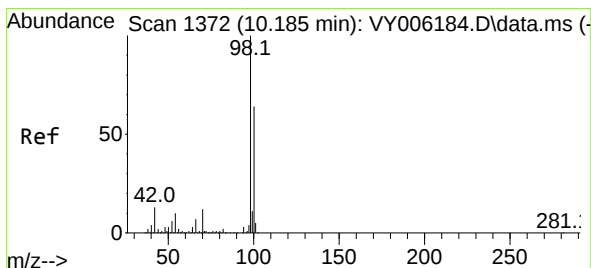
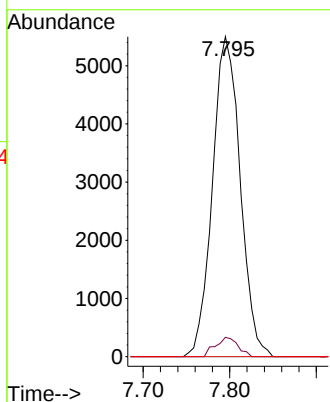
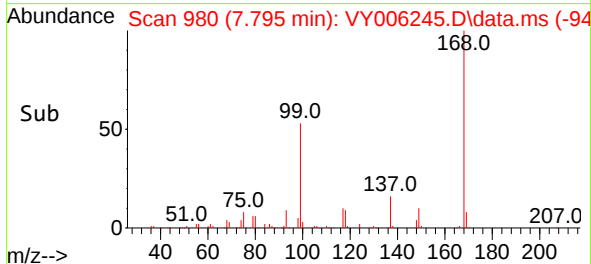


#38  
Carbon Tetrachloride  
Concen: 5.796 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.110 min  
Lab File: VY006245.D  
Acq: 30 Sep 2021 17:14

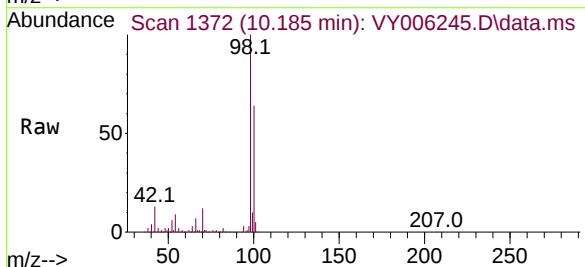
Instrument :  
MSVOA\_Y  
ClientSampleId :



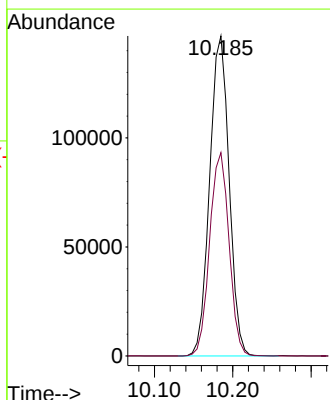
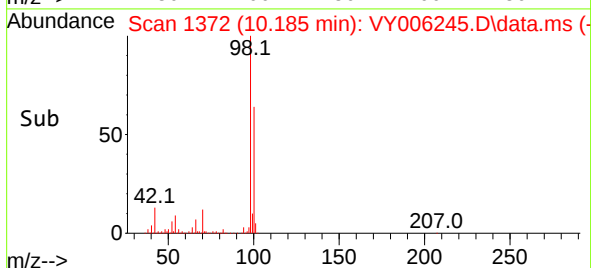
Tgt Ion: 117 Resp: 12239  
Ion Ratio Lower Upper  
117 100  
119 6.0 77.9 116.9#  
121 0.0 24.8 37.2#

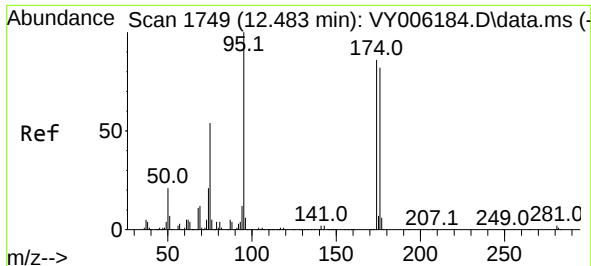


#50  
Toluene-d8  
Concen: 56.296 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY006245.D  
Acq: 30 Sep 2021 17:14



Tgt Ion: 98 Resp: 253003  
Ion Ratio Lower Upper  
98 100  
100 63.4 50.2 75.2

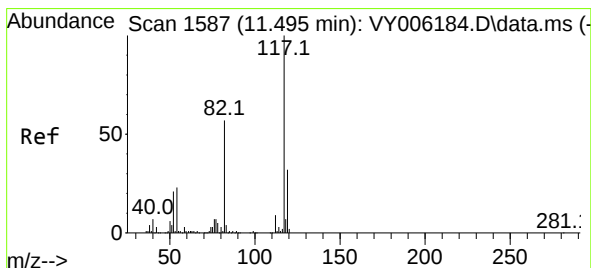
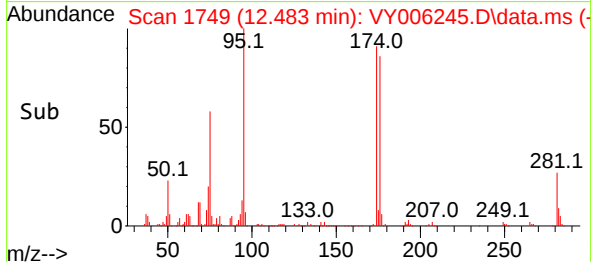
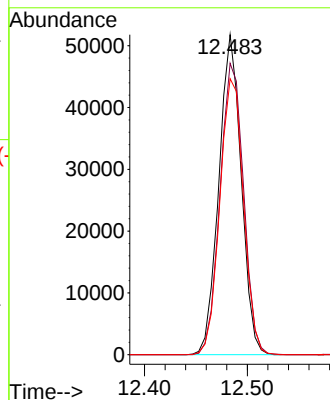
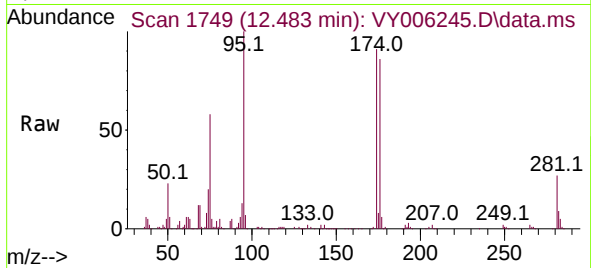




#62  
4-Bromofluorobenzene  
Concen: 51.135 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006245.D  
Acq: 30 Sep 2021 17:14

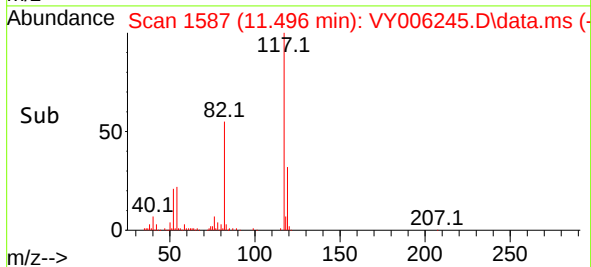
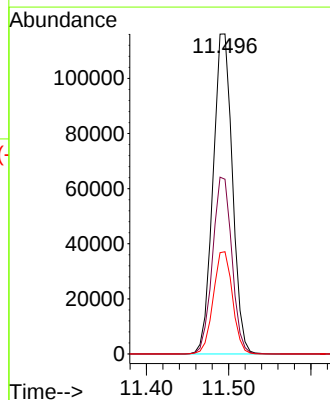
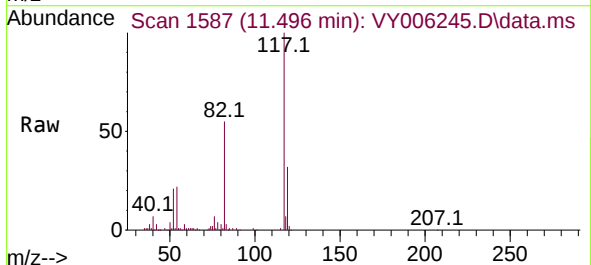
Instrument :  
MSVOA\_Y  
ClientSampleId :

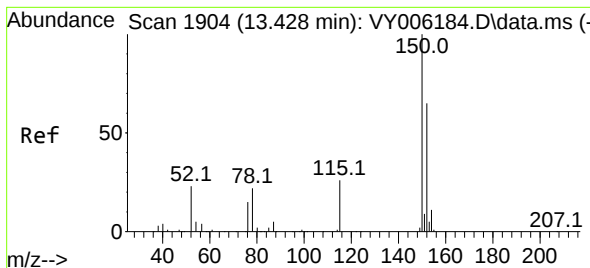
Tgt Ion: 95 Resp: 78069  
Ion Ratio Lower Upper  
95 100  
174 95.9 0.0 177.0  
176 91.4 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY006245.D  
Acq: 30 Sep 2021 17:14

Tgt Ion: 117 Resp: 190285  
Ion Ratio Lower Upper  
117 100  
82 54.6 43.0 64.4  
119 31.9 25.4 38.0

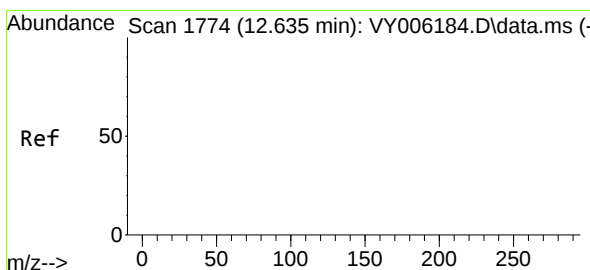
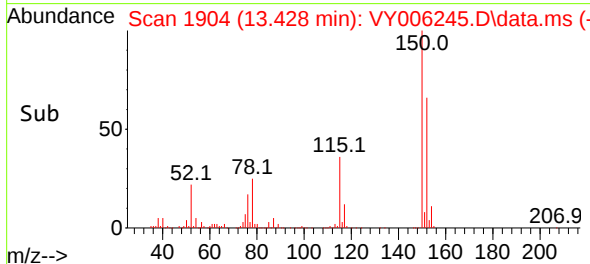
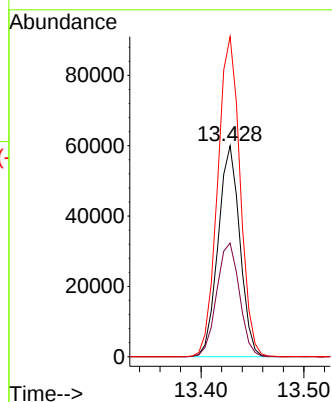
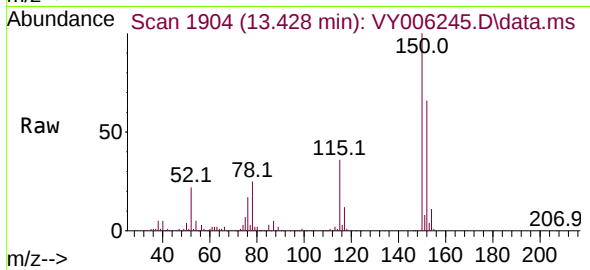




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY006245.D  
Acq: 30 Sep 2021 17:14

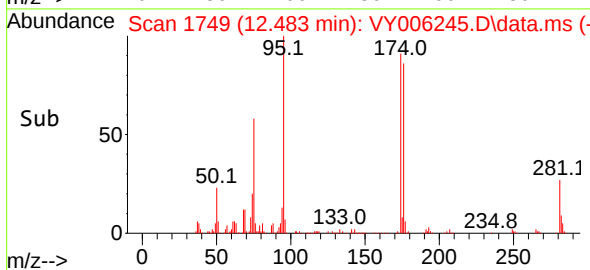
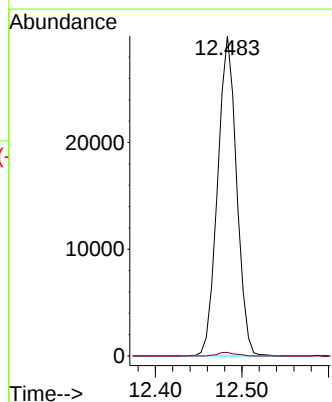
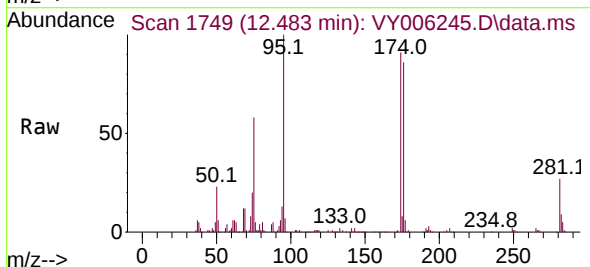
Instrument :  
MSVOA\_Y  
ClientSampleId :

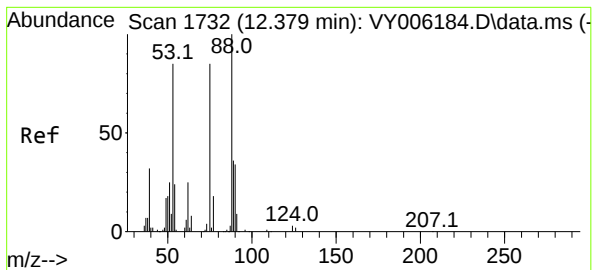
Tgt Ion:152 Resp: 87838  
Ion Ratio Lower Upper  
152 100  
115 56.5 28.2 84.7  
150 156.8 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 53.452 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY006245.D  
Acq: 30 Sep 2021 17:14

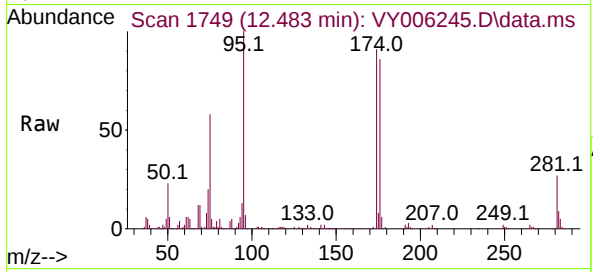
Tgt Ion: 75 Resp: 45634  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 105.041 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.104 min  
 Lab File: VY006245.D  
 Acq: 30 Sep 2021 17:14

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 45634  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 0.3 37.0 55.4#

