

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032321\  
 Data File : VY004173.D  
 Acq On : 23 Mar 2021 13:02  
 Operator : SY/MD  
 Sample : M1780-01  
 Misc : 5.21g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TT-41-RW6-IDWSO-20210322

Quant Time: Mar 24 01:19:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 08 12:28:55 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 206077   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 348570   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.495 | 117  | 327218   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 158294   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.154  | 65    | 117715   | 57.88    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 115.76% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 106139   | 54.00    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.00% |
| 50) Toluene-d8              | 10.184 | 98    | 417238   | 54.14    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 108.28% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 149894   | 52.67    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 105.34% |

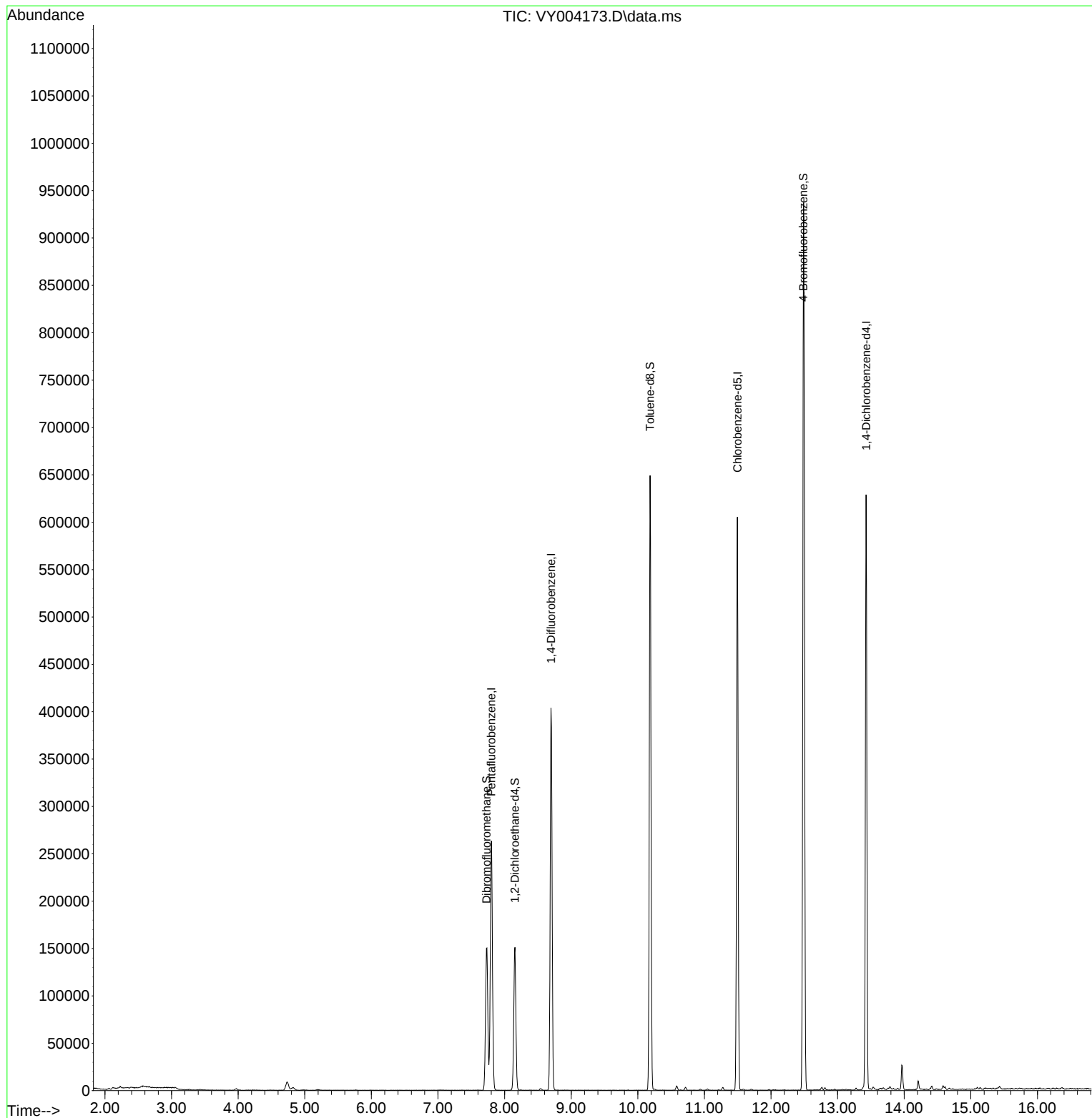
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

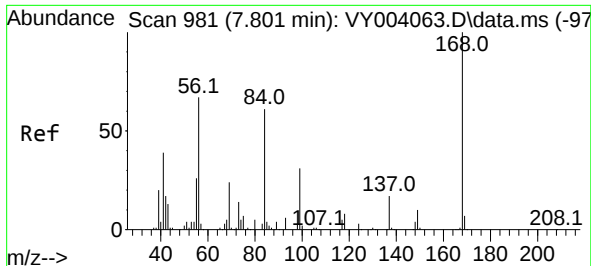
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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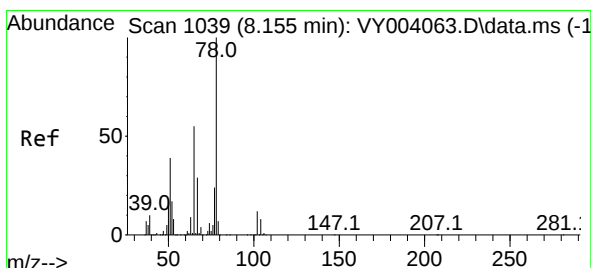
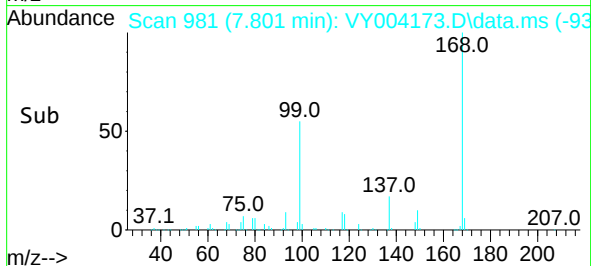
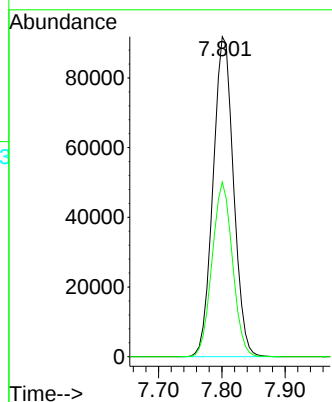
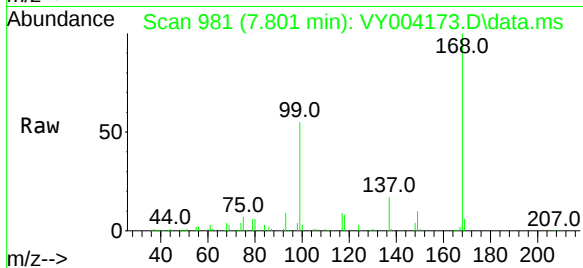




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY004173.D  
Acq: 23 Mar 2021 13:02

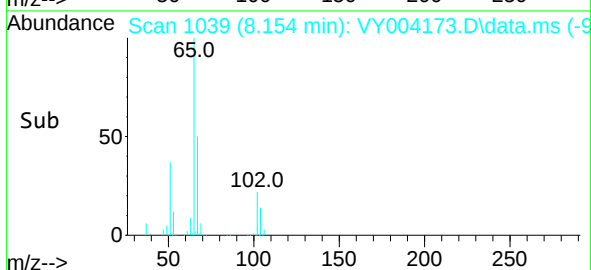
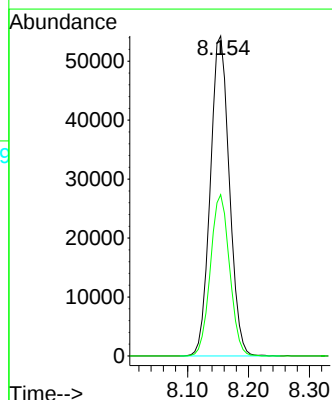
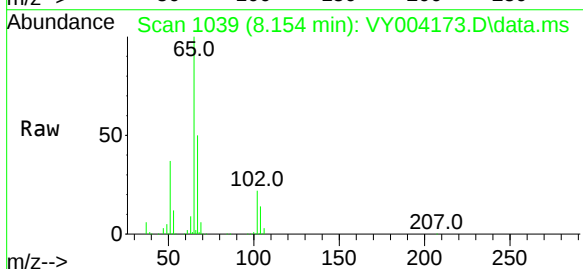
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TT-41-RW6-IDWSO-20210322

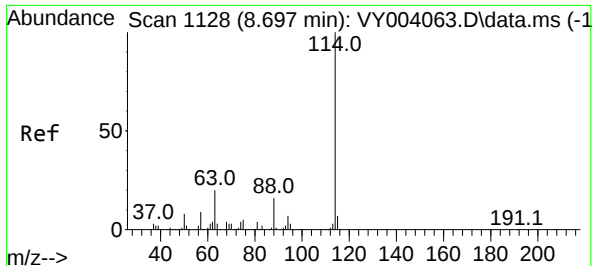
Tgt Ion:168 Resp: 206077  
Ion Ratio Lower Upper  
168 100  
99 54.5 41.2 61.8



#33  
1,2-Dichloroethane-d4  
Concen: 57.88 ug/l  
RT: 8.154 min Scan# 1039  
Delta R.T. -0.001 min  
Lab File: VY004173.D  
Acq: 23 Mar 2021 13:02

Tgt Ion: 65 Resp: 117715  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY004173.D

Acq: 23 Mar 2021 13:02

Tgt Ion:114 Resp: 348570

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.6

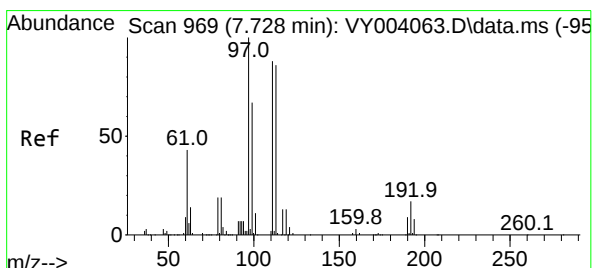
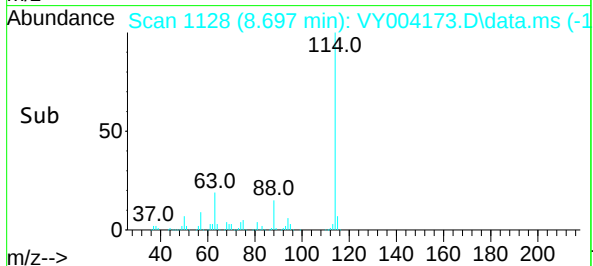
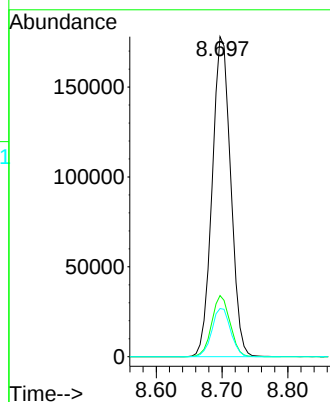
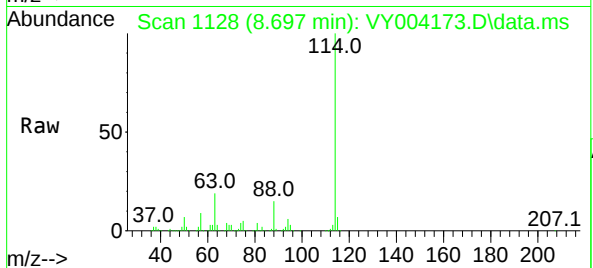
88 15.0 0.0 31.4

Instrument :

MSVOA\_Y

ClientSampleId :

TT-41-RW6-IDWSO-20210322



#35

Dibromofluoromethane

Concen: 54.00 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY004173.D

Acq: 23 Mar 2021 13:02

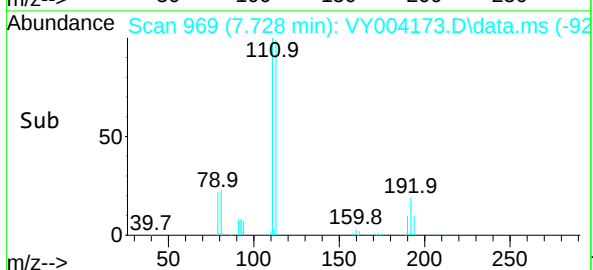
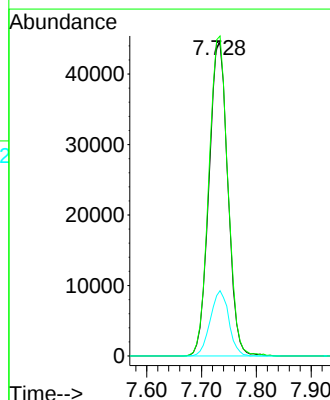
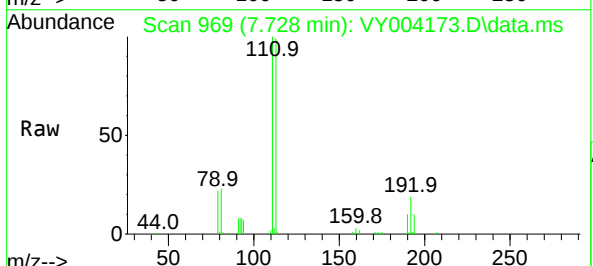
Tgt Ion:113 Resp: 106139

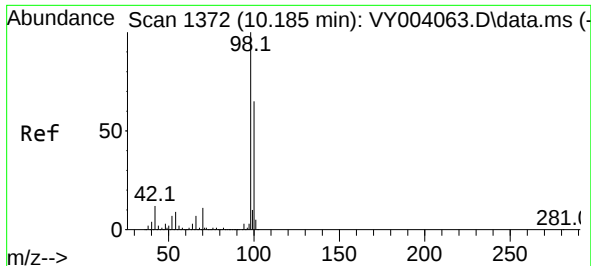
Ion Ratio Lower Upper

113 100

111 102.5 83.2 124.8

192 20.4 18.5 27.7

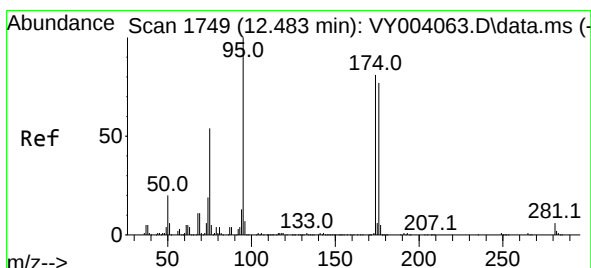
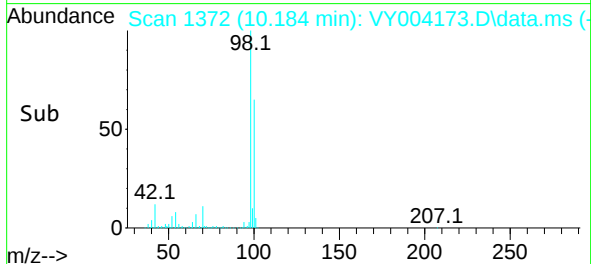
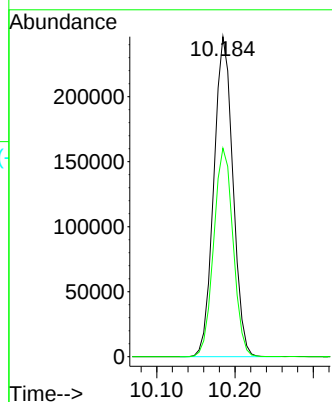
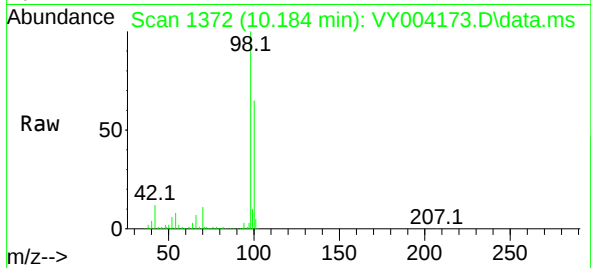




#50  
Toluene-d8  
Concen: 54.14 ug/l  
RT: 10.184 min Scan# 1372  
Delta R.T. -0.001 min  
Lab File: VY004173.D  
Acq: 23 Mar 2021 13:02

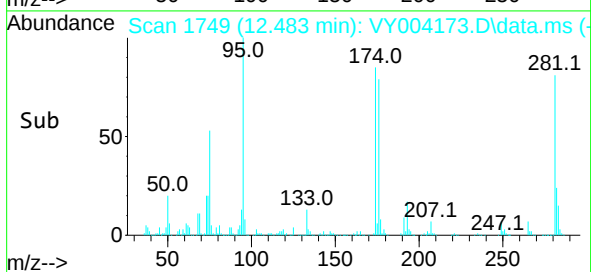
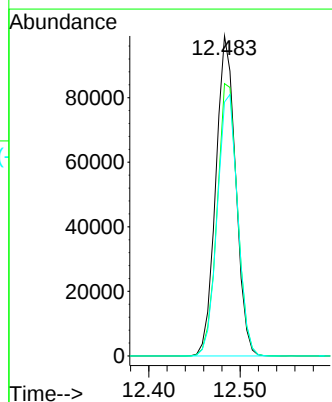
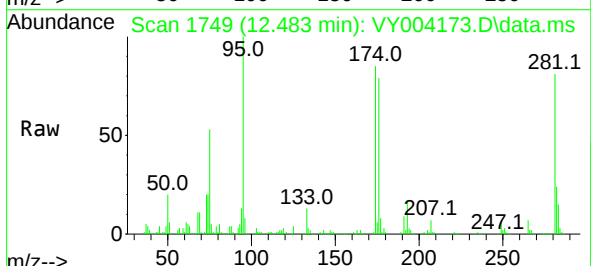
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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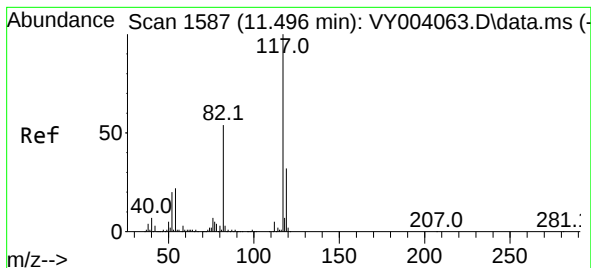
Tgt Ion: 98 Resp: 417238  
Ion Ratio Lower Upper  
98 100  
100 65.9 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 52.67 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY004173.D  
Acq: 23 Mar 2021 13:02

Tgt Ion: 95 Resp: 149894  
Ion Ratio Lower Upper  
95 100  
174 86.8 0.0 179.0  
176 84.1 0.0 174.4

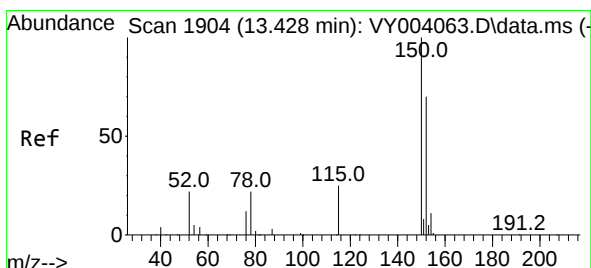
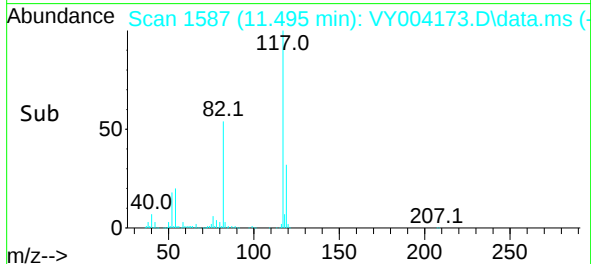
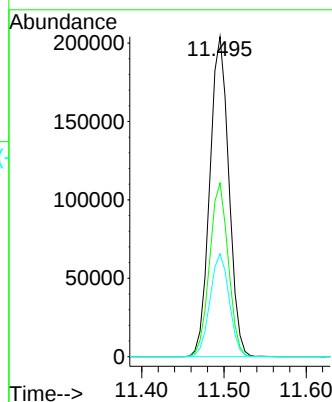
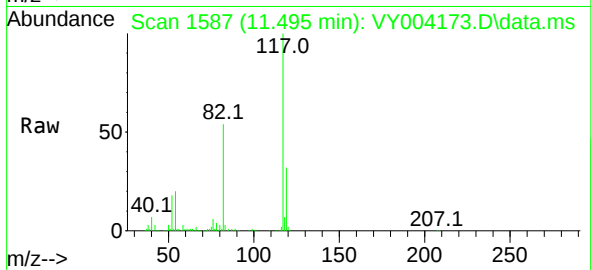




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.001 min  
Lab File: VY004173.D  
Acq: 23 Mar 2021 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Tgt Ion:117 Resp: 327218  
Ion Ratio Lower Upper  
117 100  
82 54.2 43.8 65.6  
119 32.2 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY004173.D  
Acq: 23 Mar 2021 13:02

Tgt Ion:152 Resp: 158294  
Ion Ratio Lower Upper  
152 100  
115 57.3 28.2 84.6  
150 155.9 0.0 347.2

