

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050422\  
 Data File : VY008645.D  
 Acq On : 05 May 2022 05:11  
 Operator : KP/MD  
 Sample : N2665-08  
 Misc : 5.28g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-11.8

Quant Time: May 05 06:53:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 01:57:20 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 105761   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 176954   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 102047   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 45615    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 50231    | 48.867   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 97.740% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 55079    | 47.040   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 94.080% |
| 50) Toluene-d8              | 10.179 | 98    | 203897   | 49.152   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 98.300% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 45542    | 29.953   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 59.900% |

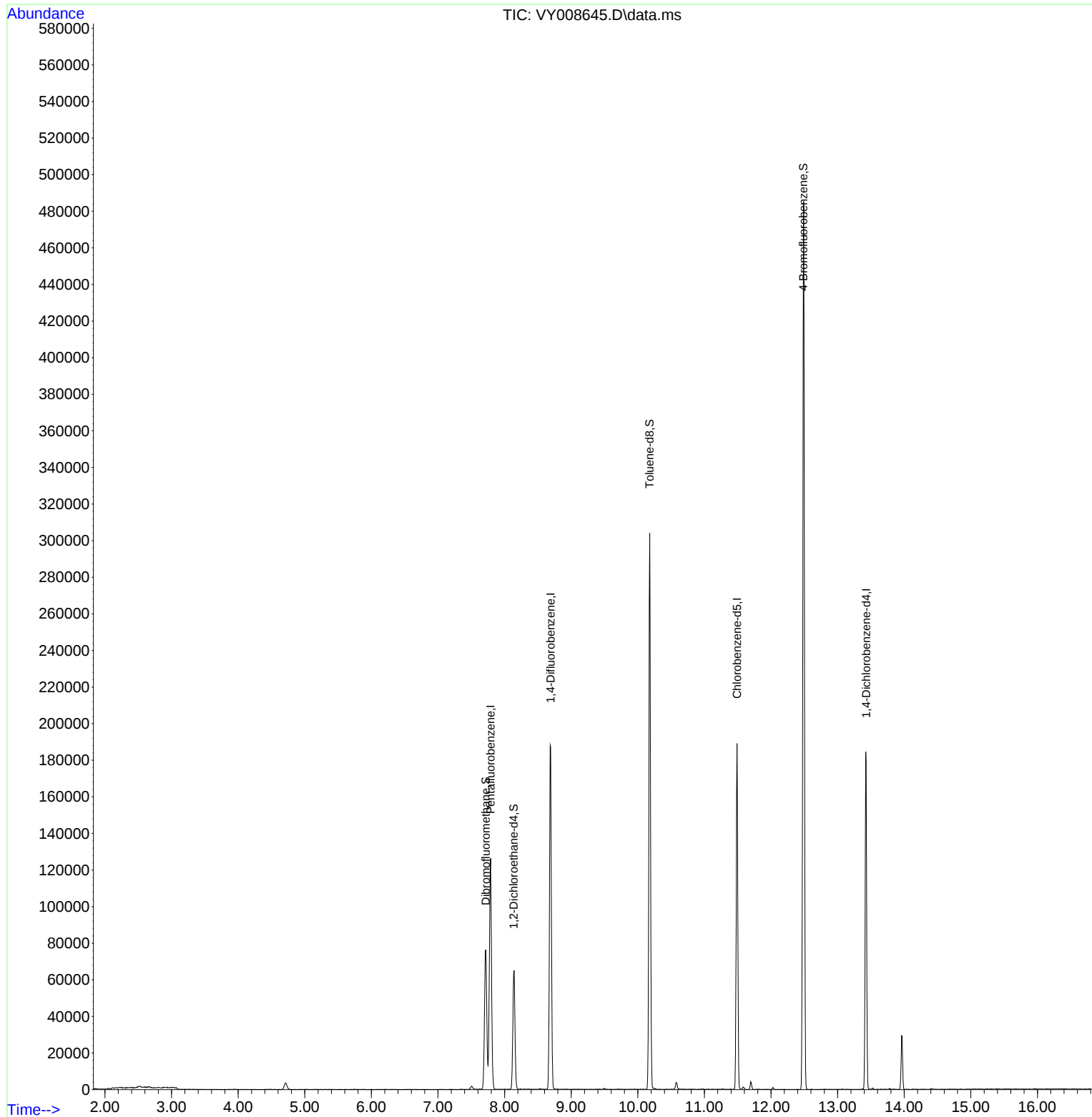
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

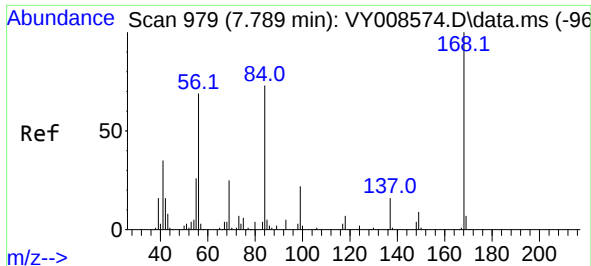
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 03 01:57:20 2022  
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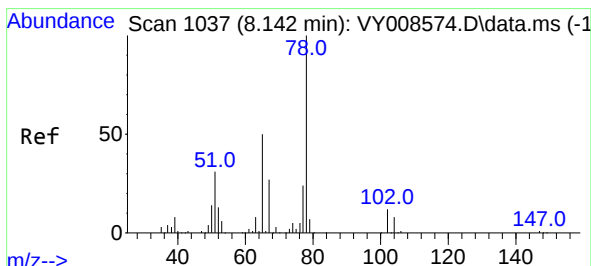
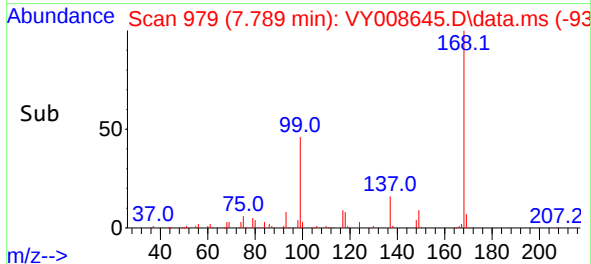
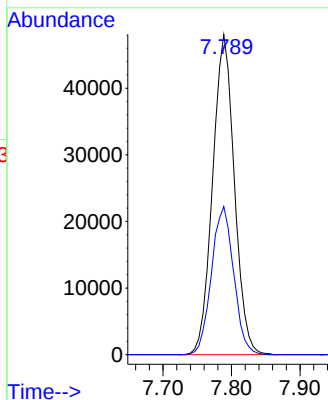
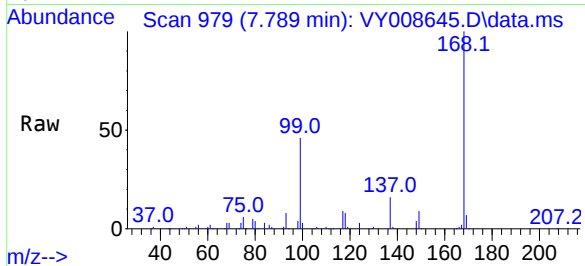




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008645.D  
Acq: 05 May 2022 05:11

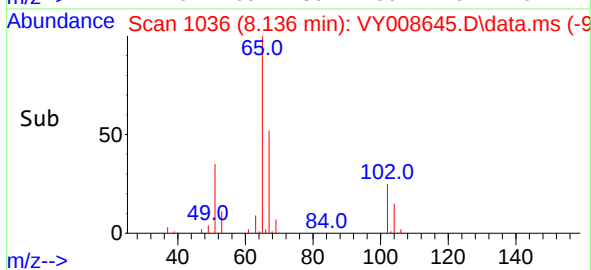
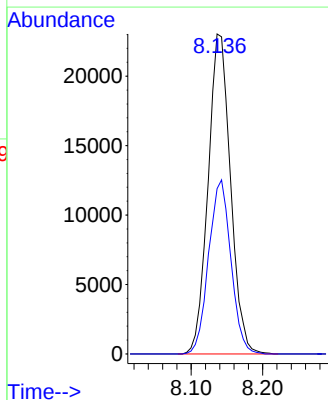
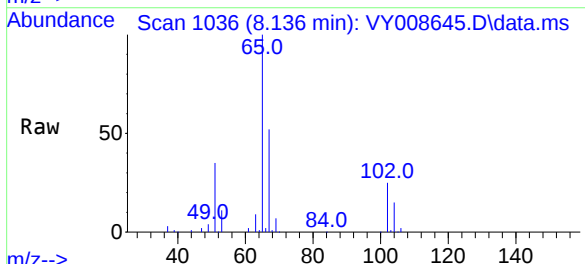
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-11.8

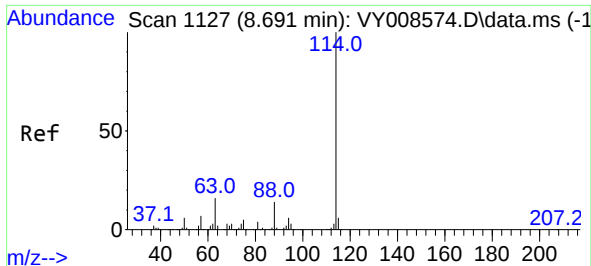
Tgt Ion:168 Resp: 105761  
Ion Ratio Lower Upper  
168 100  
99 46.3 46.9 70.3#



#33  
1,2-Dichloroethane-d4  
Concen: 48.867 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY008645.D  
Acq: 05 May 2022 05:11

Tgt Ion: 65 Resp: 50231  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY008645.D

Acq: 05 May 2022 05:11

Instrument :

MSVOA\_Y

ClientSampleId :

SB-11.8

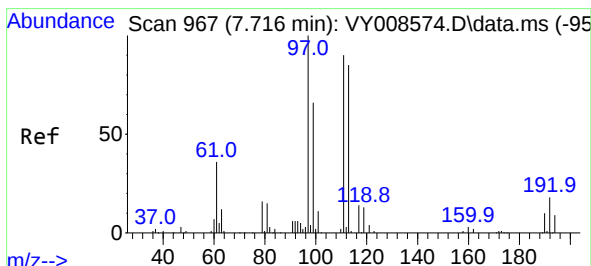
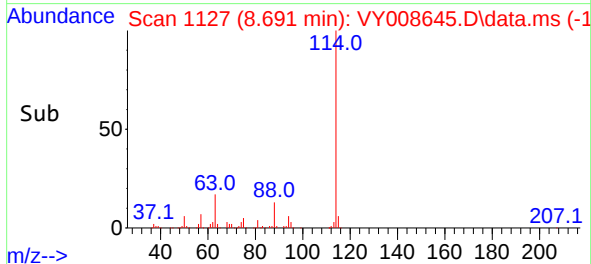
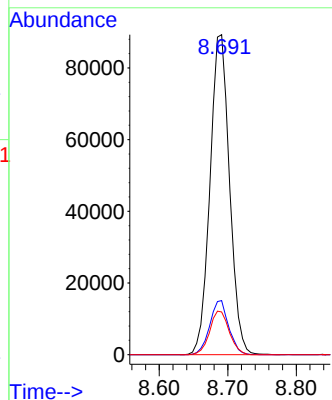
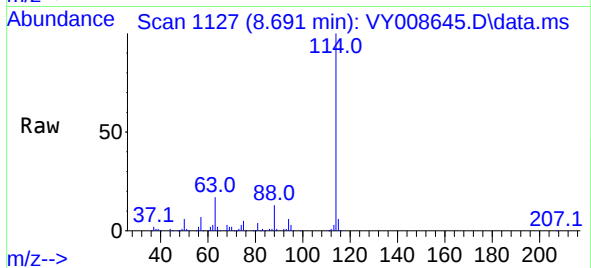
Tgt Ion:114 Resp: 176954

Ion Ratio Lower Upper

114 100

63 16.9 0.0 43.2

88 13.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.040 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008645.D

Acq: 05 May 2022 05:11

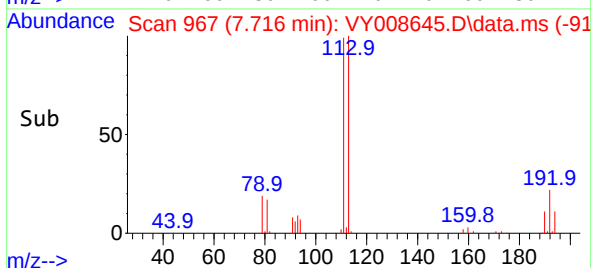
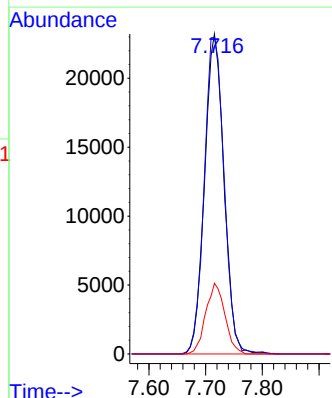
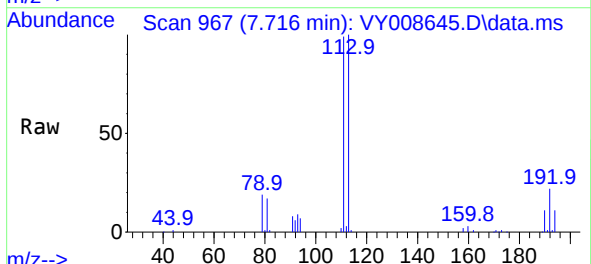
Tgt Ion:113 Resp: 55079

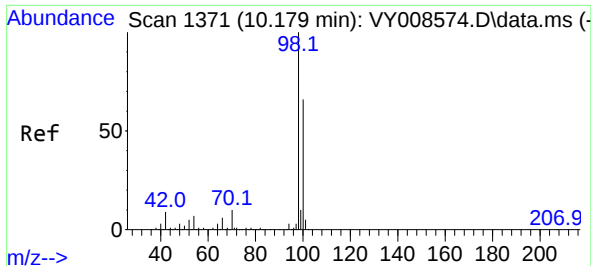
Ion Ratio Lower Upper

113 100

111 101.9 82.6 124.0

192 21.9 17.6 26.4

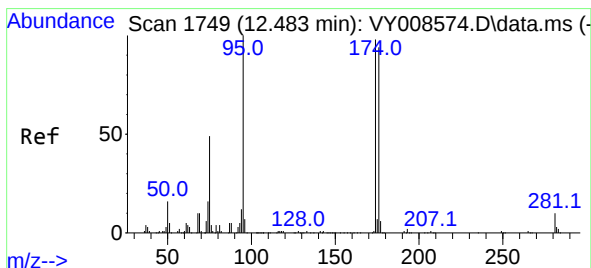
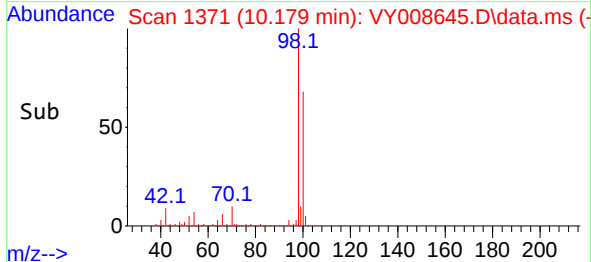
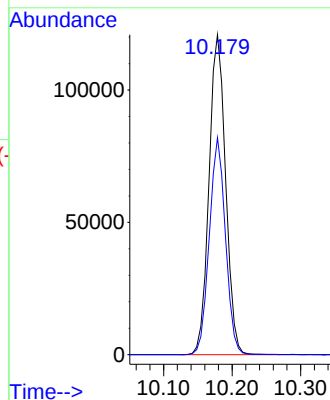
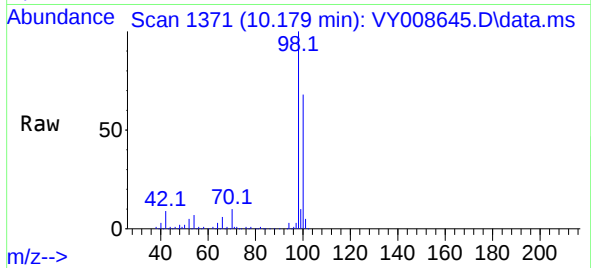




#50  
Toluene-d8  
Concen: 49.152 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008645.D  
Acq: 05 May 2022 05:11

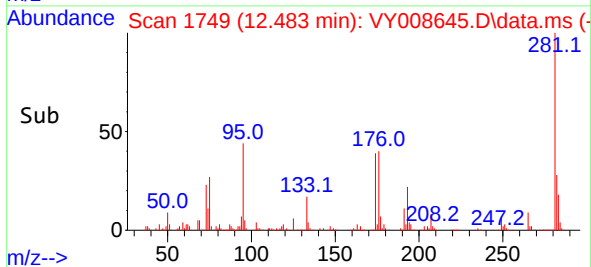
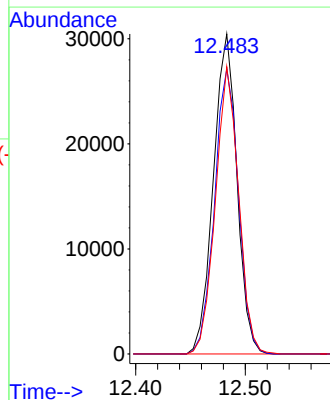
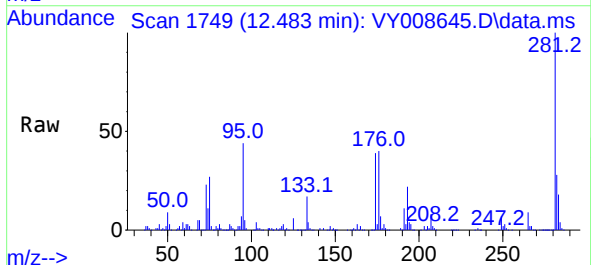
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MSVOA\_Y  
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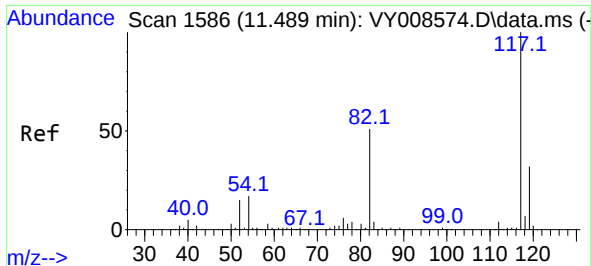
Tgt Ion: 98 Resp: 203897  
Ion Ratio Lower Upper  
98 100  
100 66.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 29.953 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY008645.D  
Acq: 05 May 2022 05:11

Tgt Ion: 95 Resp: 45542  
Ion Ratio Lower Upper  
95 100  
174 90.4 0.0 177.0  
176 88.2 0.0 175.8

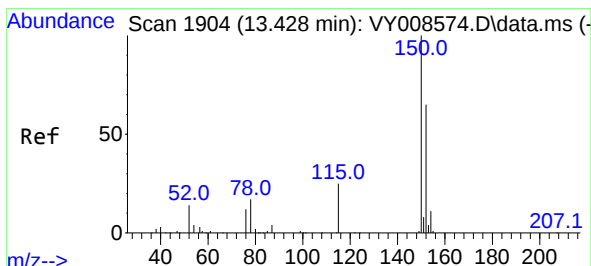
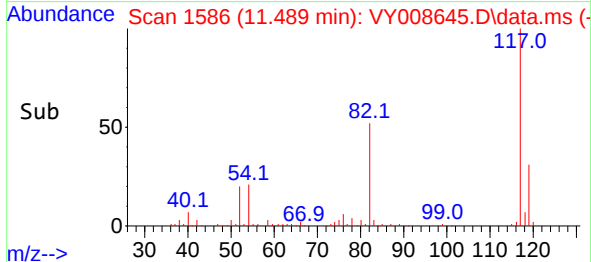
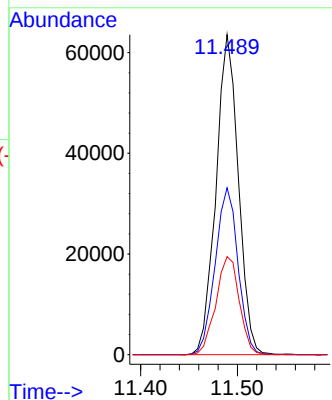
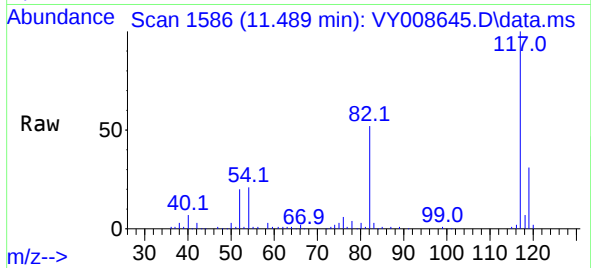




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008645.D  
Acq: 05 May 2022 05:11

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-11.8

Tgt Ion:117 Resp: 102047  
Ion Ratio Lower Upper  
117 100  
82 52.1 43.0 64.4  
119 30.6 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: VY008645.D  
Acq: 05 May 2022 05:11

Tgt Ion:152 Resp: 45615  
Ion Ratio Lower Upper  
152 100  
115 58.0 28.2 84.7  
150 159.1 0.0 347.6

