

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042022\  
 Data File : VY008419.D  
 Acq On : 20 Apr 2022 15:31  
 Operator : KP/MD  
 Sample : N2451-05  
 Misc : 7.24g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-10145

Quant Time: Apr 21 02:39:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 08 16:02:50 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 92709    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 172705   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 168883   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 75466    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 54921    | 63.067   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 126.140% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 55262    | 55.400   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 110.800% |
| 50) Toluene-d8              | 10.179 | 98    | 212061   | 62.128   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 124.260% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 76293    | 59.426   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 118.860% |

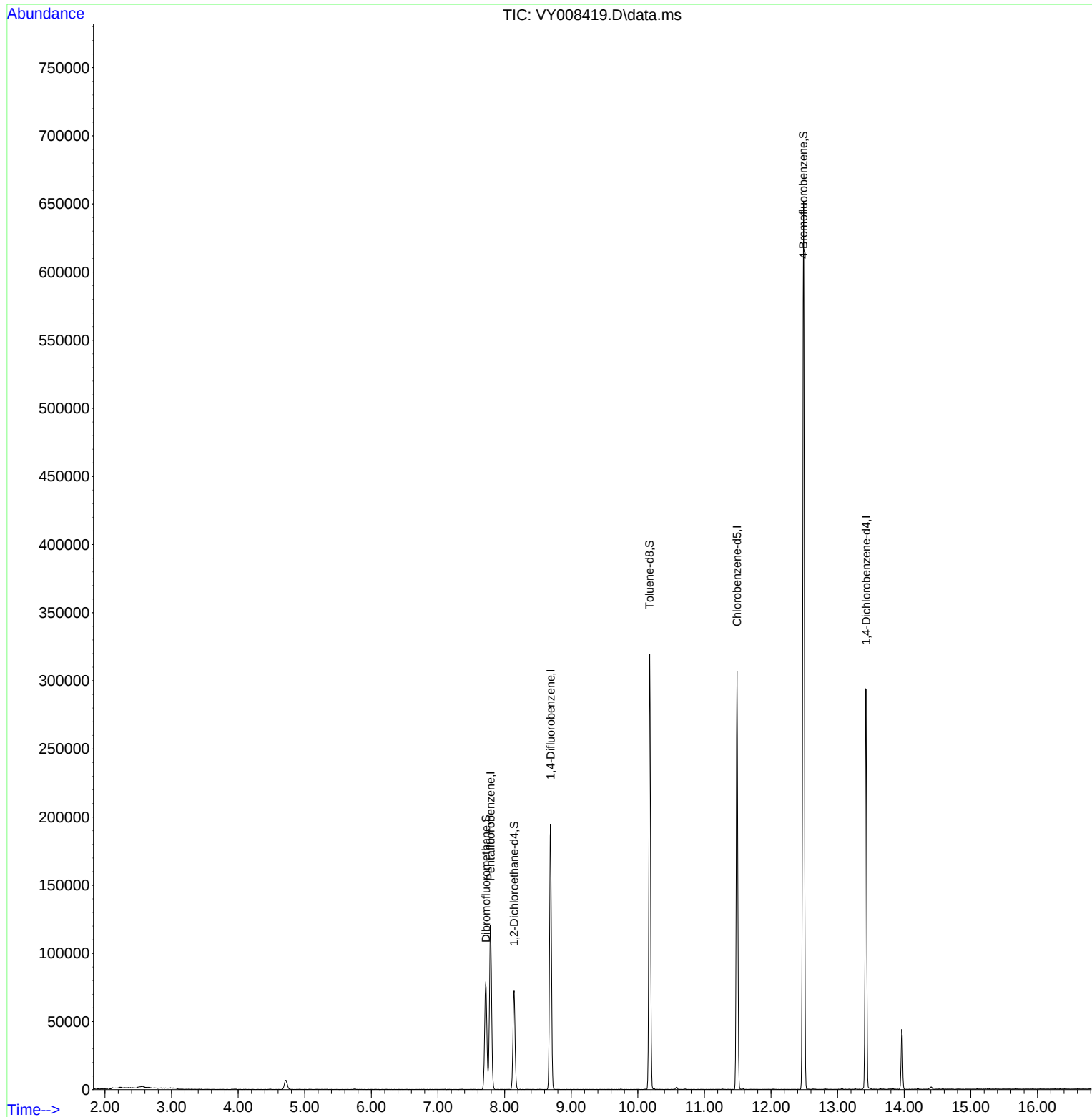
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

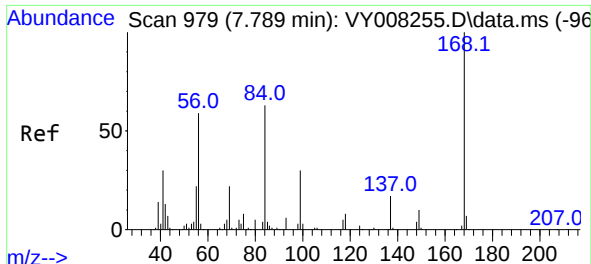
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042022\  
Data File : VY008419.D  
Acq On : 20 Apr 2022 15:31  
Operator : KP/MD  
Sample : N2451-05  
Misc : 7.24g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10145

Quant Time: Apr 21 02:39:30 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 08 16:02:50 2022  
Response via : Initial Calibration

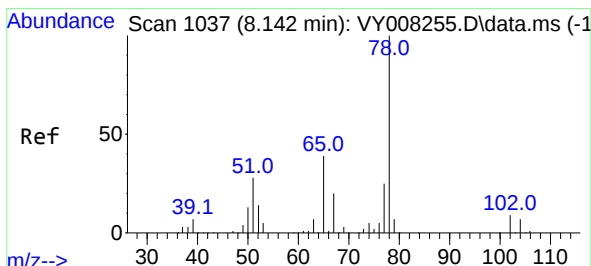
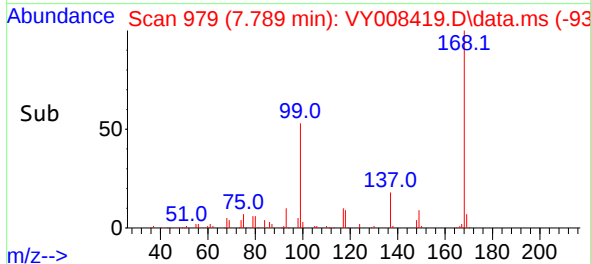
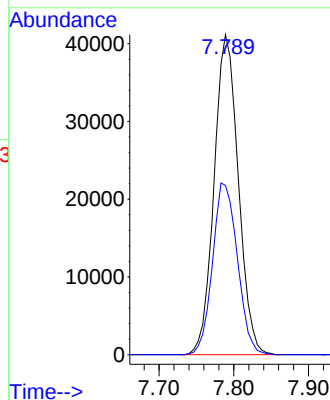
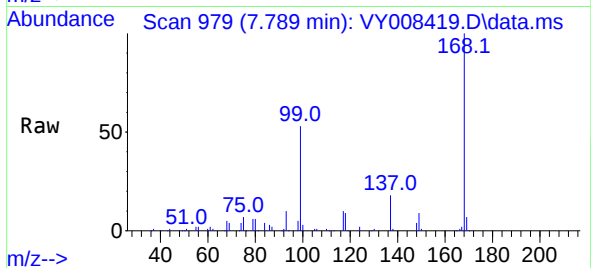




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008419.D  
Acq: 20 Apr 2022 15:31

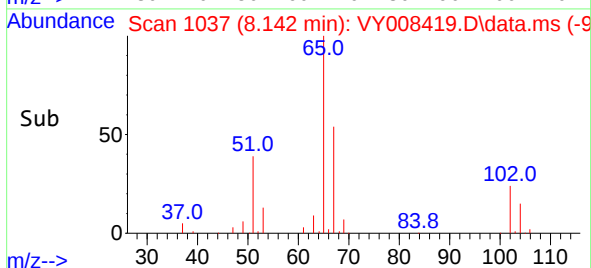
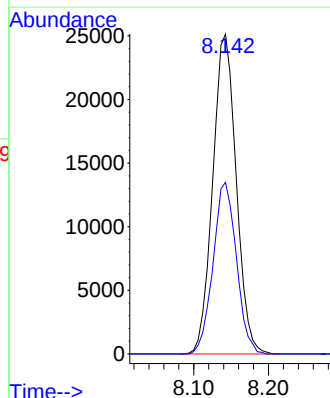
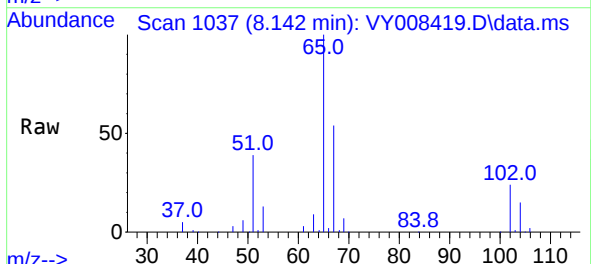
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10145

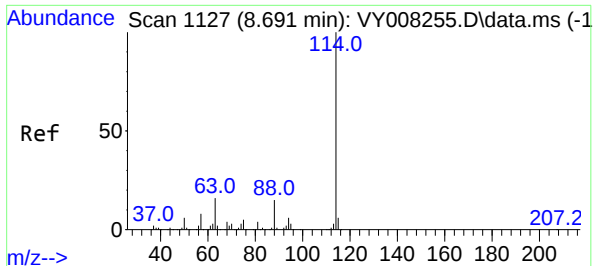
Tgt Ion:168 Resp: 92709  
Ion Ratio Lower Upper  
168 100  
99 52.9 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 63.067 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY008419.D  
Acq: 20 Apr 2022 15:31

Tgt Ion: 65 Resp: 54921  
Ion Ratio Lower Upper  
65 100  
67 53.4 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: VY008419.D

Acq: 20 Apr 2022 15:31

Instrument :

MSVOA\_Y

ClientSampleId :

SB-10145

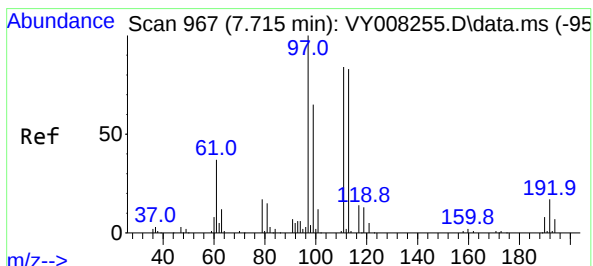
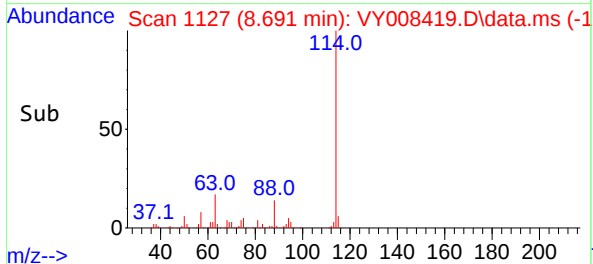
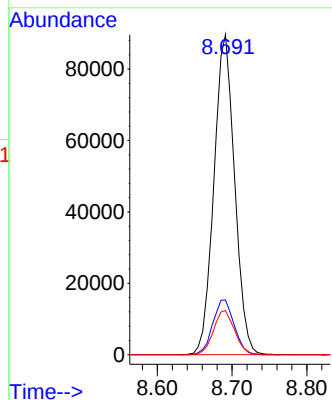
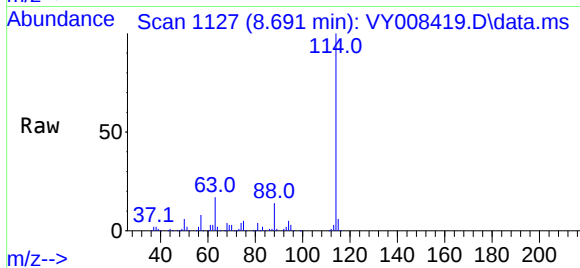
Tgt Ion:114 Resp: 172705

Ion Ratio Lower Upper

114 100

63 17.1 0.0 43.2

88 13.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.400 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.007 min

Lab File: VY008419.D

Acq: 20 Apr 2022 15:31

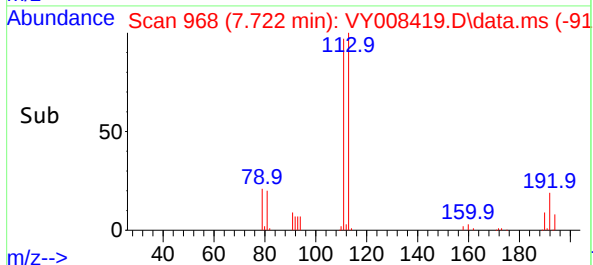
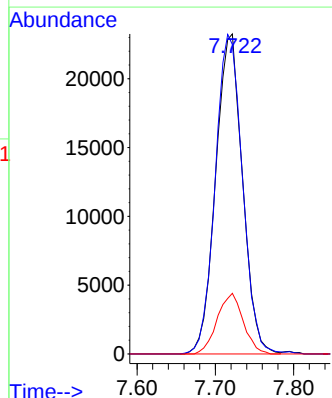
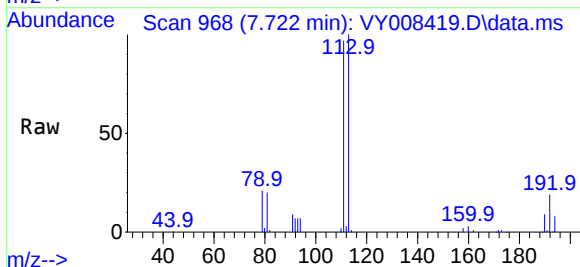
Tgt Ion:113 Resp: 55262

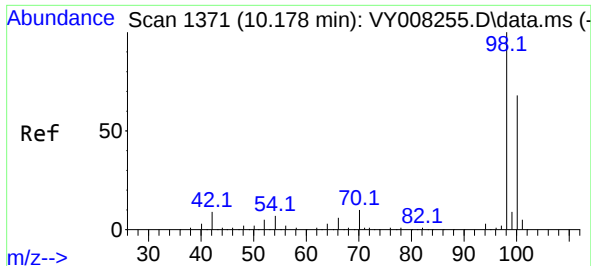
Ion Ratio Lower Upper

113 100

111 101.4 82.6 124.0

192 18.4 17.6 26.4

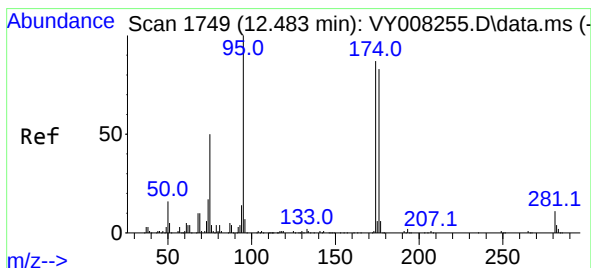
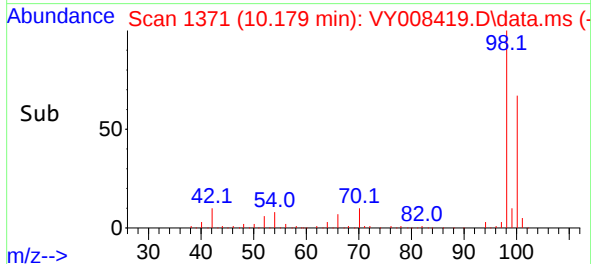
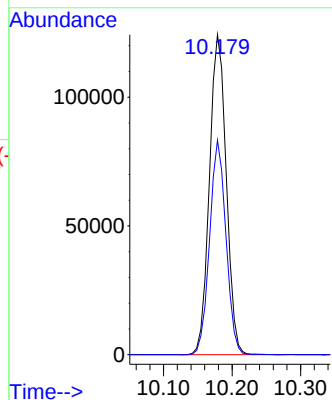
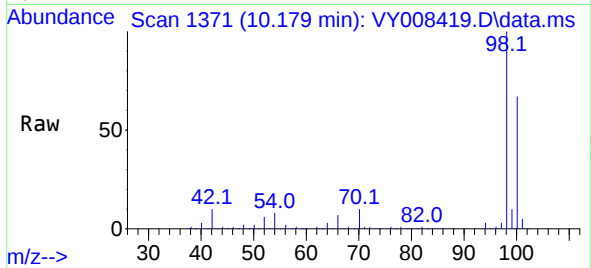




#50  
Toluene-d8  
Concen: 62.128 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY008419.D  
Acq: 20 Apr 2022 15:31

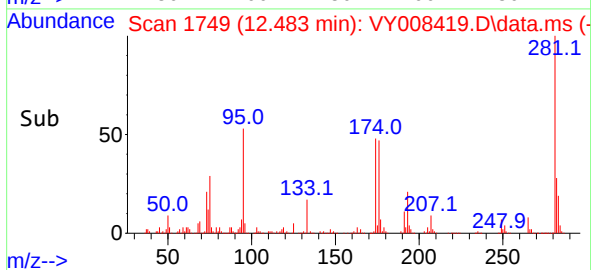
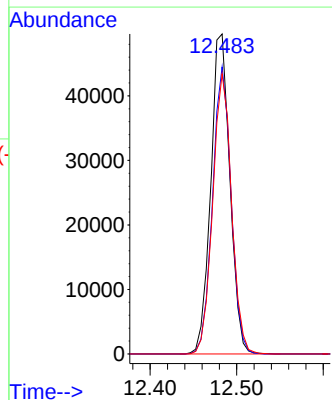
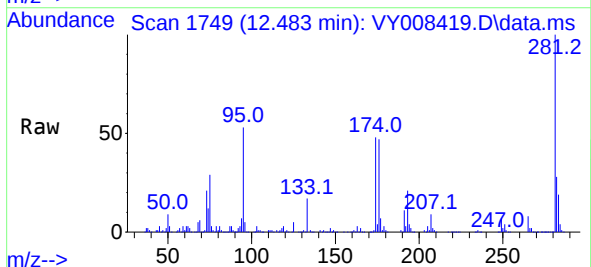
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10145

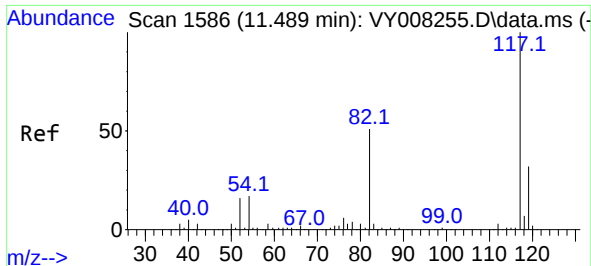
Tgt Ion: 98 Resp: 212061  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 59.426 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008419.D  
Acq: 20 Apr 2022 15:31

Tgt Ion: 95 Resp: 76293  
Ion Ratio Lower Upper  
95 100  
174 86.9 0.0 177.0  
176 86.0 0.0 175.8

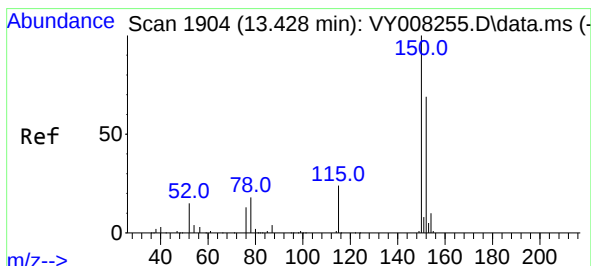
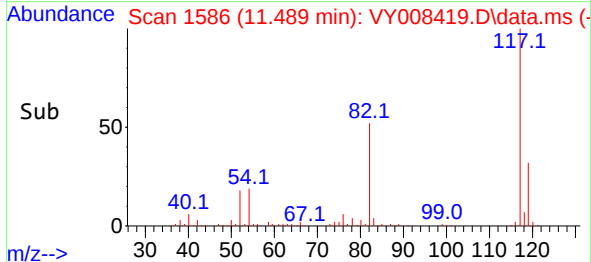
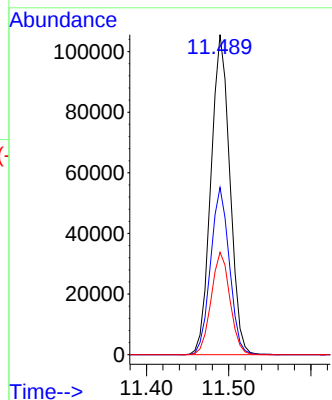
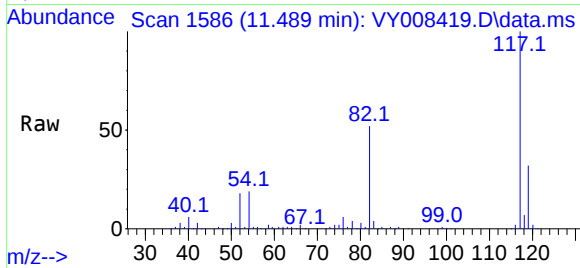




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY008419.D  
Acq: 20 Apr 2022 15:31

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10145

Tgt Ion:117 Resp: 168883  
Ion Ratio Lower Upper  
117 100  
82 52.2 43.0 64.4  
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: VY008419.D  
Acq: 20 Apr 2022 15:31

Tgt Ion:152 Resp: 75466  
Ion Ratio Lower Upper  
152 100  
115 57.3 28.2 84.7  
150 160.2 0.0 347.6

