

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122322\  
 Data File : VY011995.D  
 Acq On : 23 Dec 2022 14:14  
 Operator : KP/MD  
 Sample : N6200-01  
 Misc : 5.48g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PL-502A-COMP-3

Quant Time: Dec 23 22:25:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122022S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 20 12:37:37 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 188348   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 331477   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 314749   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 143478   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 123752   | 65.216   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 130.440% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 106134   | 53.184   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 106.360% |
| 50) Toluene-d8              | 10.179 | 98    | 402893   | 49.761   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 99.520%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 130843   | 48.050   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 96.100%  |

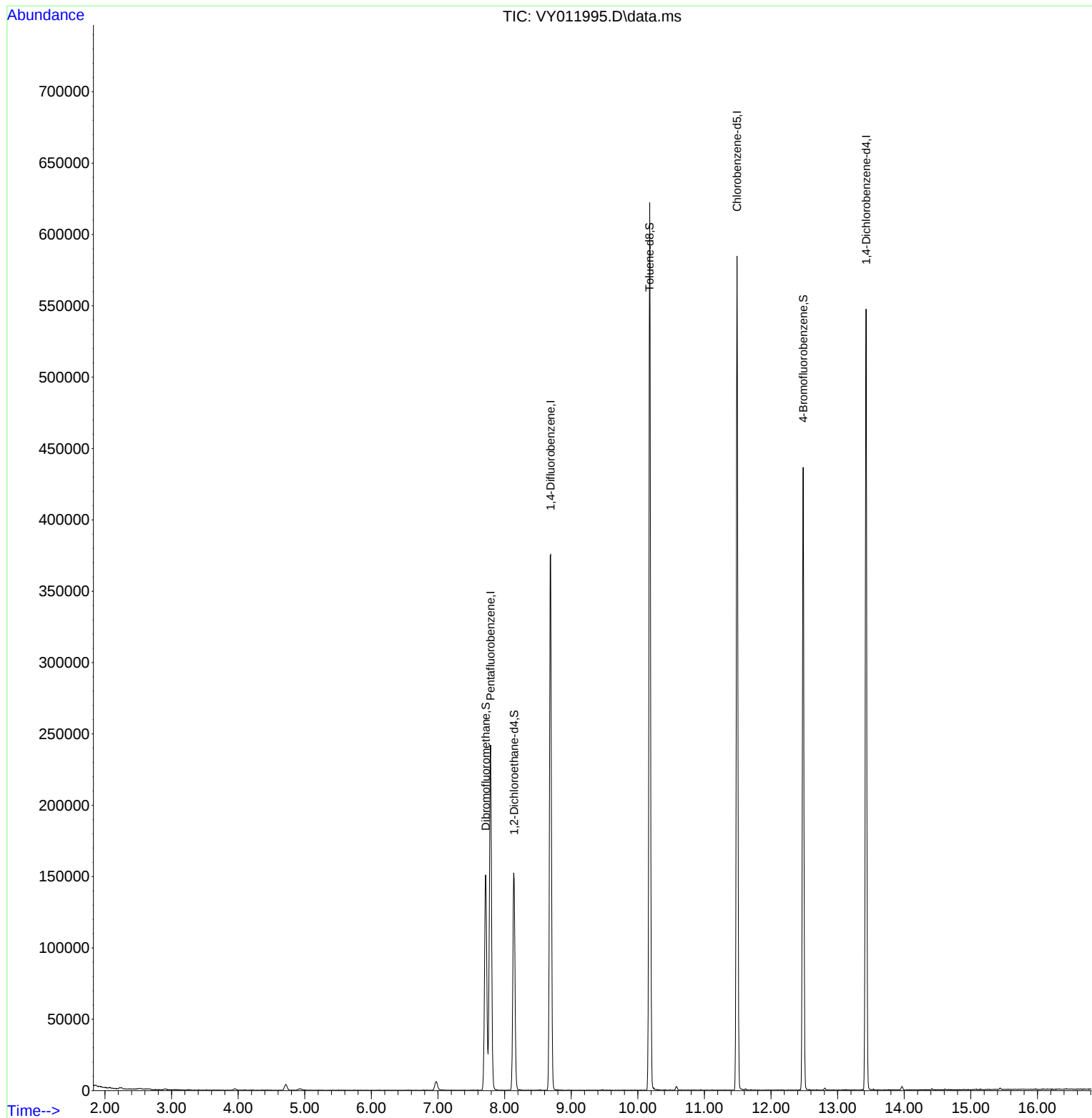
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

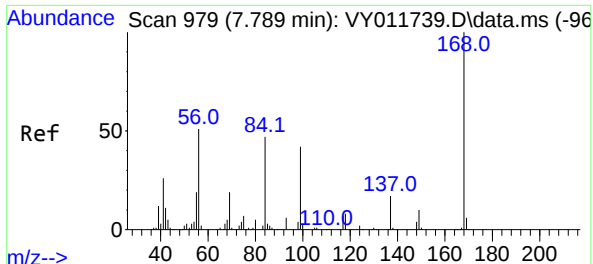
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :  
PL-502A-COMP-3

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Quant Title : SW846 8260  
QLast Update : Tue Dec 20 12:37:37 2022  
Response via : Initial Calibration

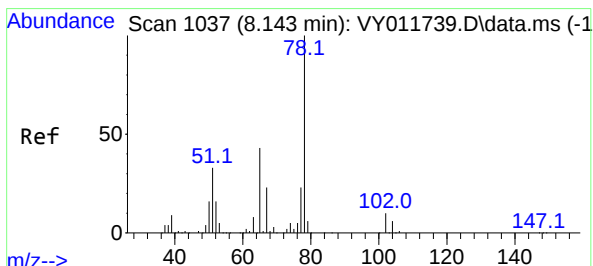
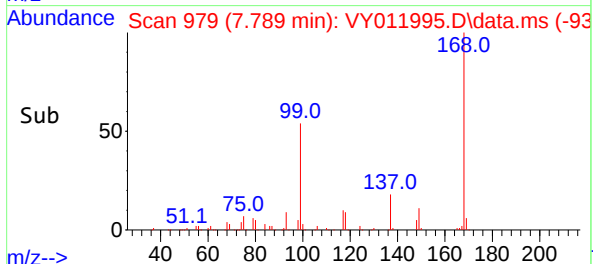
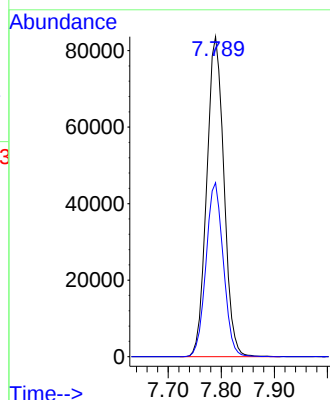
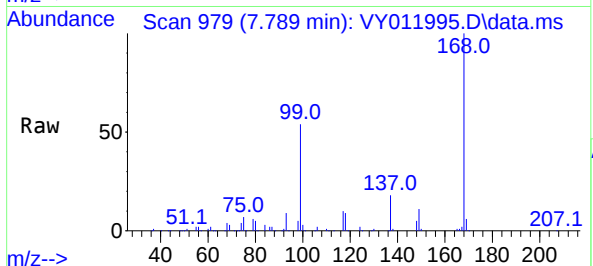




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY011995.D  
Acq: 23 Dec 2022 14:14

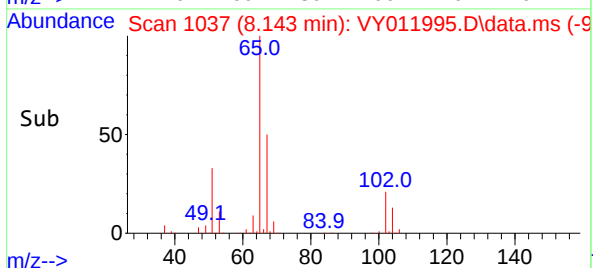
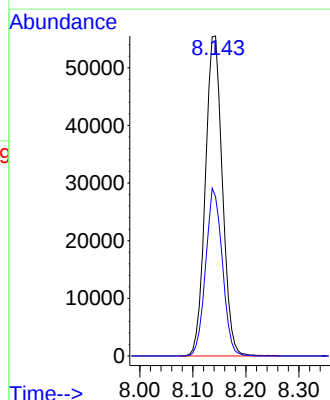
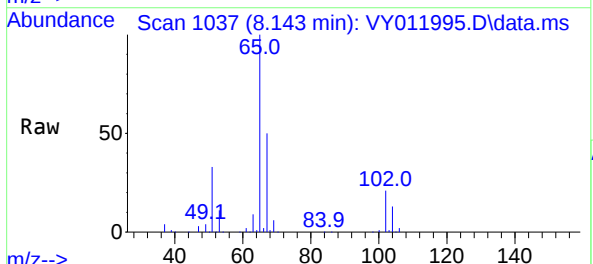
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-502A-COMP-3

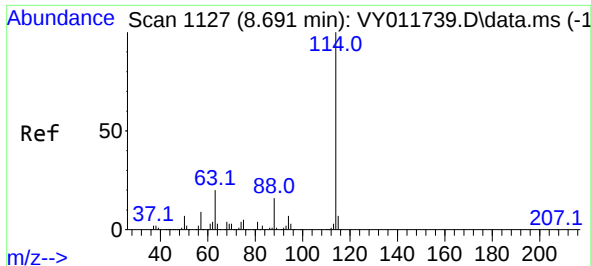
Tgt Ion:168 Resp: 188348  
Ion Ratio Lower Upper  
168 100  
99 54.3 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 65.216 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY011995.D  
Acq: 23 Dec 2022 14:14

Tgt Ion: 65 Resp: 123752  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011995.D

Acq: 23 Dec 2022 14:14

Instrument :

MSVOA\_Y

ClientSampleId :

PL-502A-COMP-3

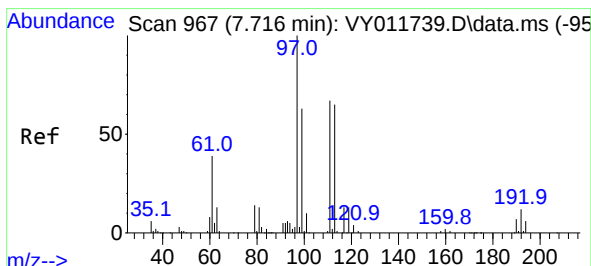
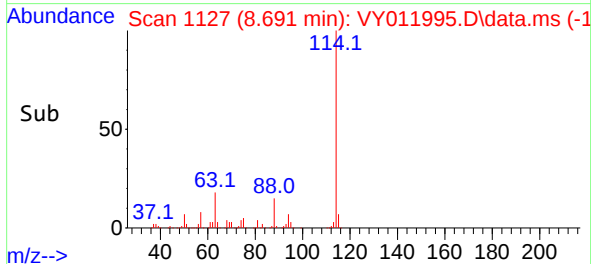
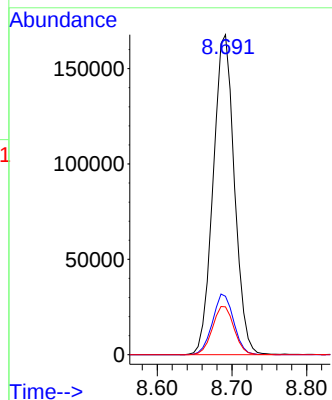
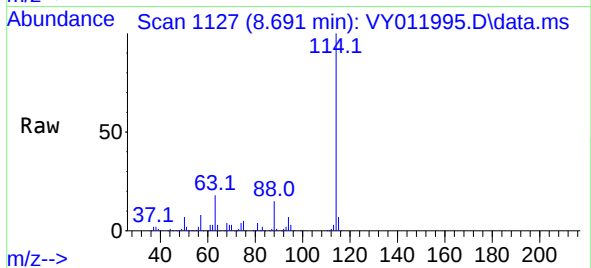
Tgt Ion:114 Resp: 331477

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 15.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 53.184 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011995.D

Acq: 23 Dec 2022 14:14

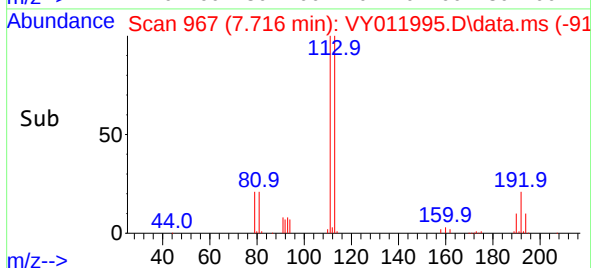
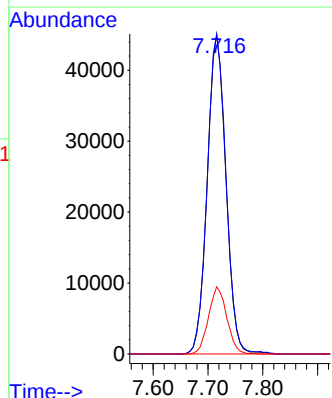
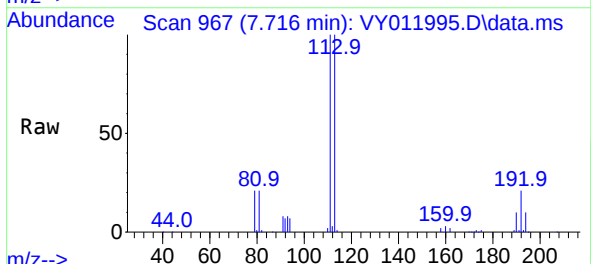
Tgt Ion:113 Resp: 106134

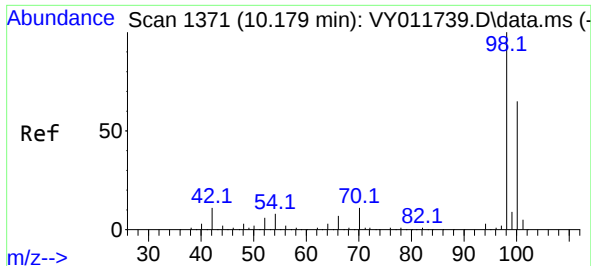
Ion Ratio Lower Upper

113 100

111 101.0 83.0 124.4

192 20.6 16.0 24.0

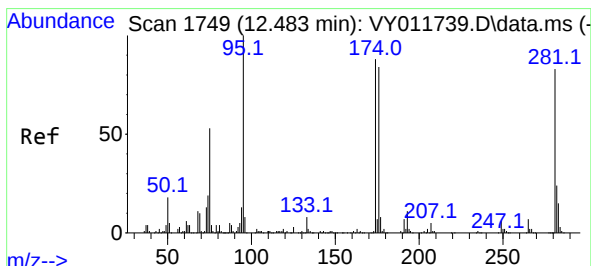
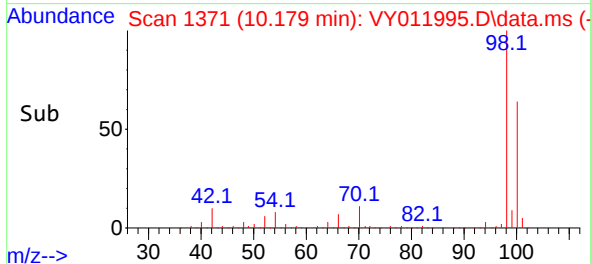
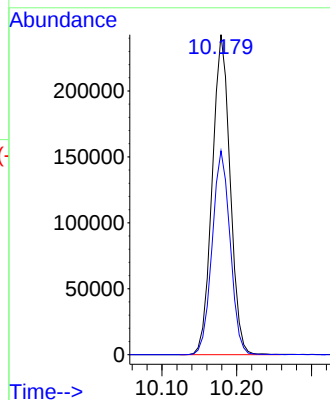
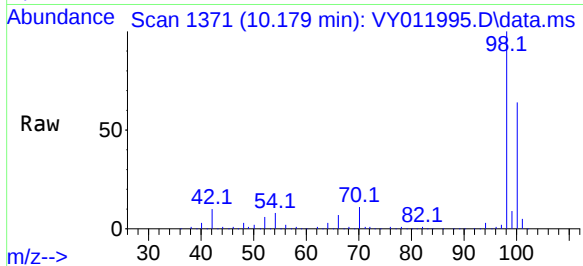




#50  
Toluene-d8  
Concen: 49.761 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011995.D  
Acq: 23 Dec 2022 14:14

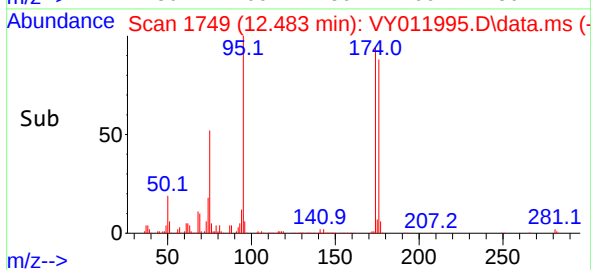
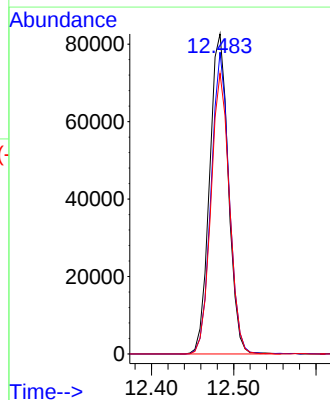
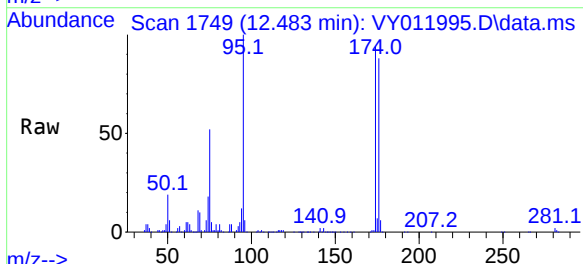
Instrument :  
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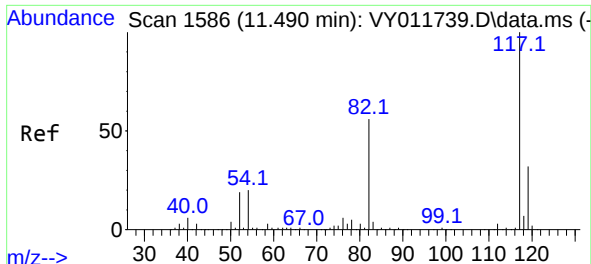
Tgt Ion: 98 Resp: 402893  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 48.050 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY011995.D  
Acq: 23 Dec 2022 14:14

Tgt Ion: 95 Resp: 130843  
Ion Ratio Lower Upper  
95 100  
174 90.5 0.0 172.0  
176 86.4 0.0 167.6

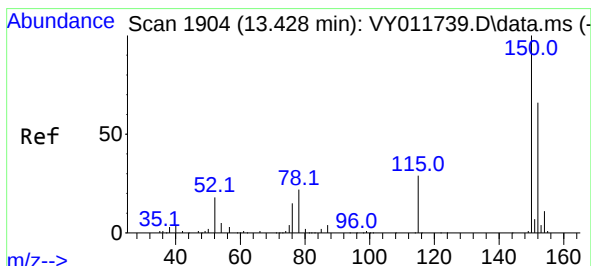
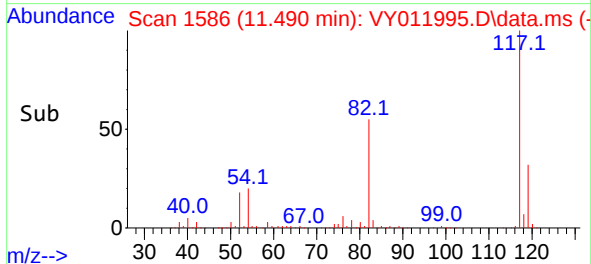
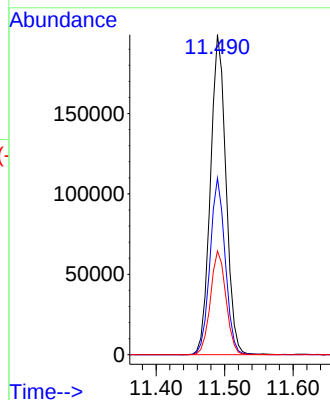
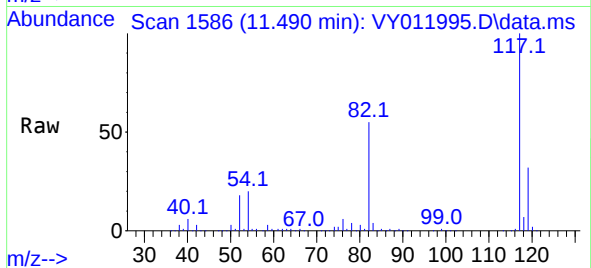




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY011995.D  
Acq: 23 Dec 2022 14:14

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-502A-COMP-3

Tgt Ion:117 Resp: 314749  
Ion Ratio Lower Upper  
117 100  
82 55.2 44.8 67.2  
119 32.4 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY011995.D  
Acq: 23 Dec 2022 14:14

Tgt Ion:152 Resp: 143478  
Ion Ratio Lower Upper  
152 100  
115 56.7 29.1 87.3  
150 158.2 0.0 342.6

