

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051722\  
 Data File : VY008804.D  
 Acq On : 18 May 2022 04:27  
 Operator : KP/MD  
 Sample : N2869-03  
 Misc : 4.27g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P027-SS002-0006-01

Quant Time: May 18 08:02:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051722S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 18 07:32:50 2022  
 Response via : Initial Calibration

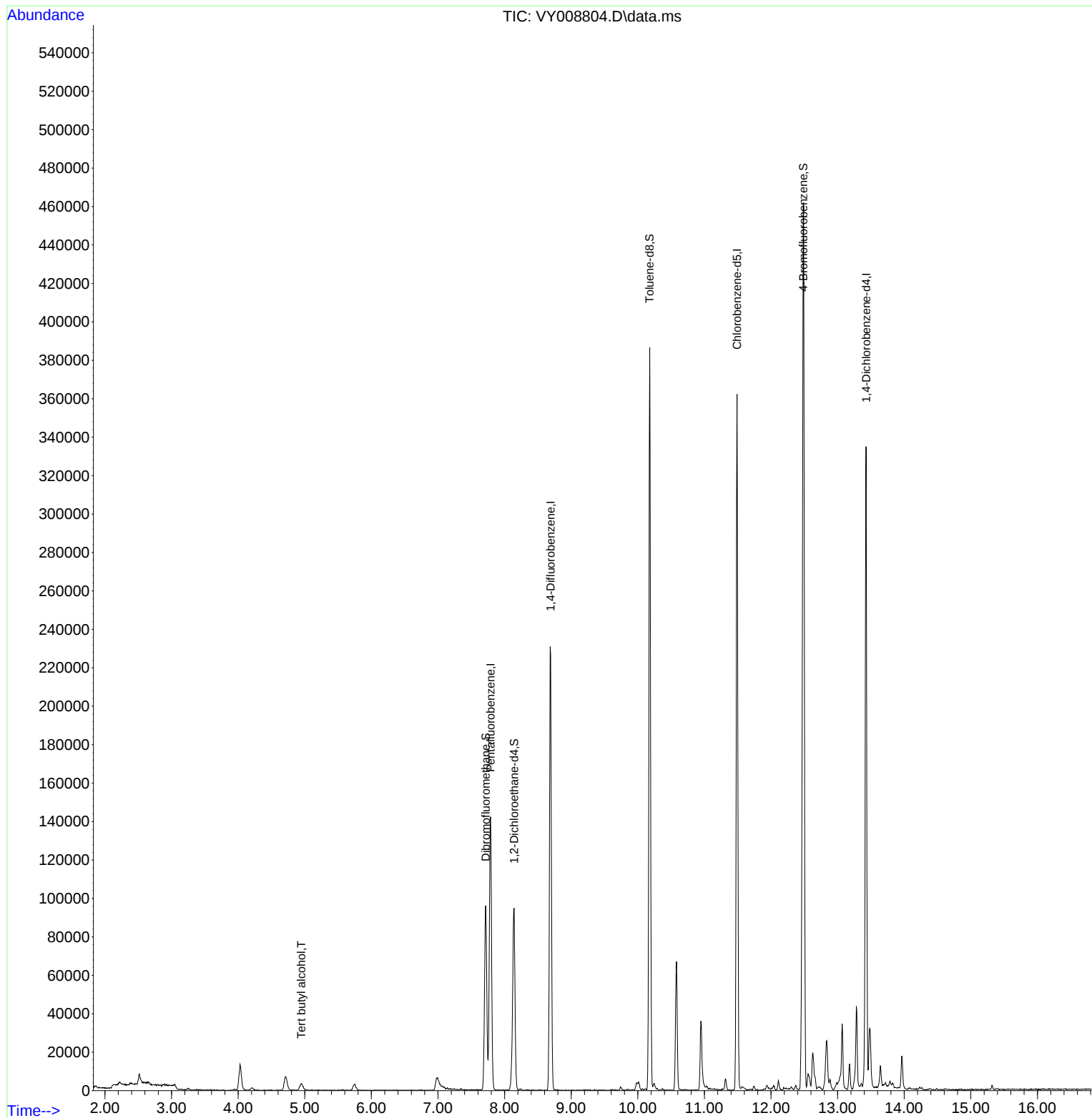
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.789  | 168   | 110938   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 196556   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 184651   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 80567    | 50.000   | ug/l  | 0.00      |
|                             |        |       |          |          |       |           |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 69253    | 67.290   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 134.580%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 65719    | 57.225   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 114.440%  |
| 50) Toluene-d8              | 10.179 | 98    | 243577   | 47.861   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 95.720%   |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 75896    | 42.243   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 84.480%   |
|                             |        |       |          |          |       |           |
| Target Compounds            |        |       |          |          |       |           |
| 11) Tert butyl alcohol      | 4.948  | 59    | 6525     | 57.365   | ug/l  | Qvalue 96 |
| -----                       |        |       |          |          |       |           |

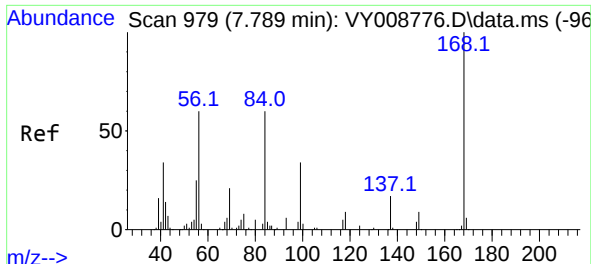
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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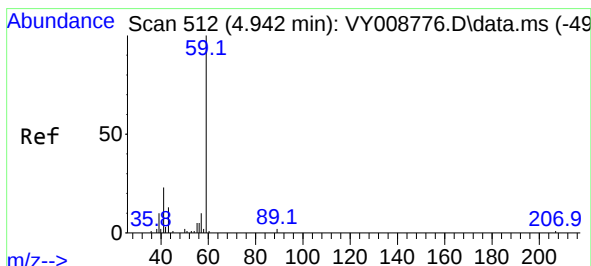
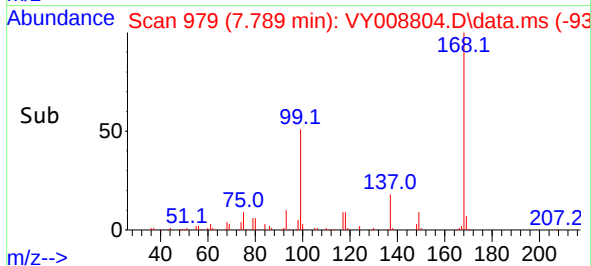
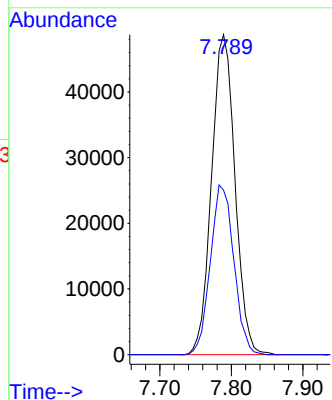
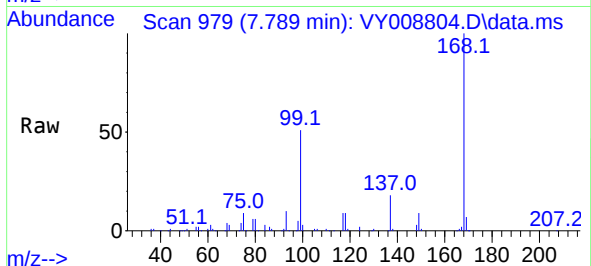




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008804.D  
Acq: 18 May 2022 04:27

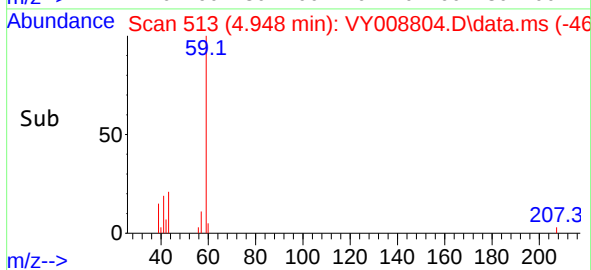
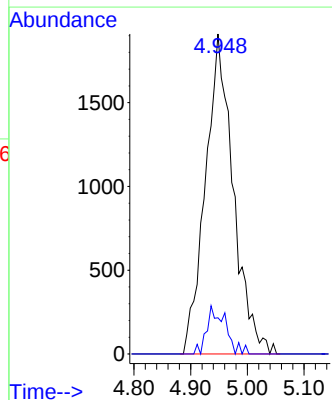
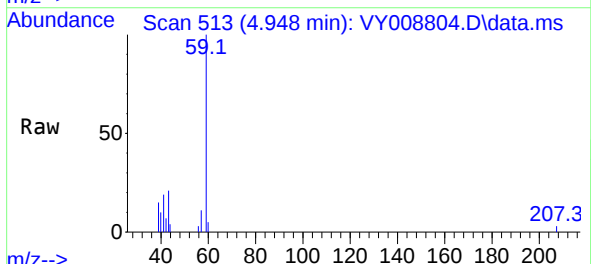
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P027-SS002-0006-01

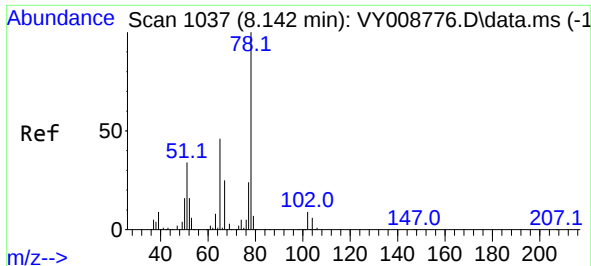
Tgt Ion:168 Resp: 110938  
Ion Ratio Lower Upper  
168 100  
99 51.4 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 57.365 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. 0.006 min  
Lab File: VY008804.D  
Acq: 18 May 2022 04:27

Tgt Ion: 59 Resp: 6525  
Ion Ratio Lower Upper  
59 100  
57 9.3 6.4 9.6





#33

1,2-Dichloroethane-d4

Concen: 67.290 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY008804.D

Acq: 18 May 2022 04:27

Instrument :

MSVOA\_Y

ClientSampleId :

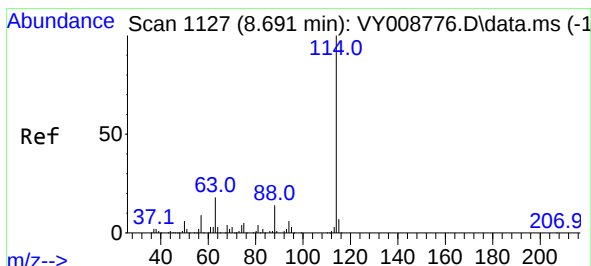
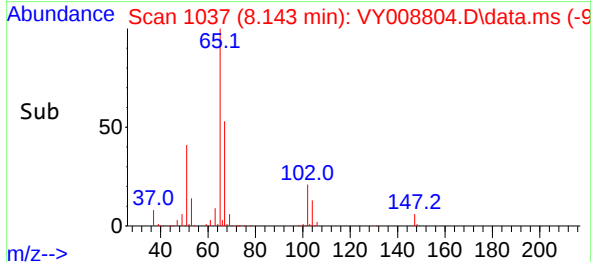
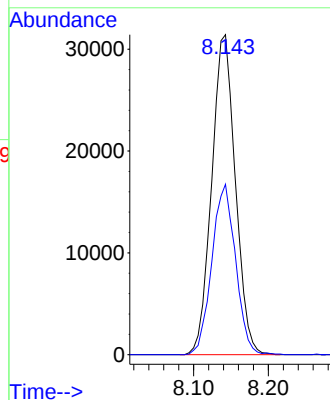
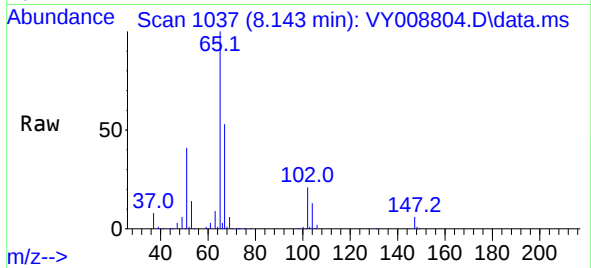
P027-SS002-0006-01

Tgt Ion: 65 Resp: 69253

Ion Ratio Lower Upper

65 100

67 53.3 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: VY008804.D

Acq: 18 May 2022 04:27

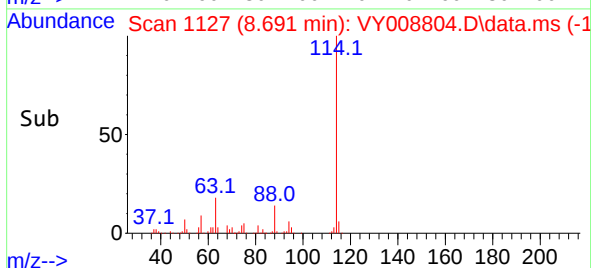
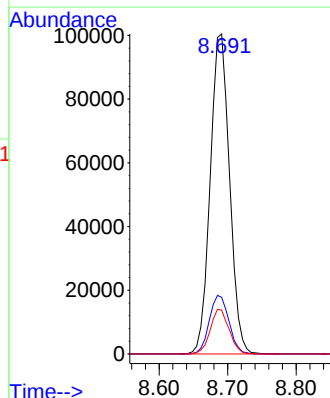
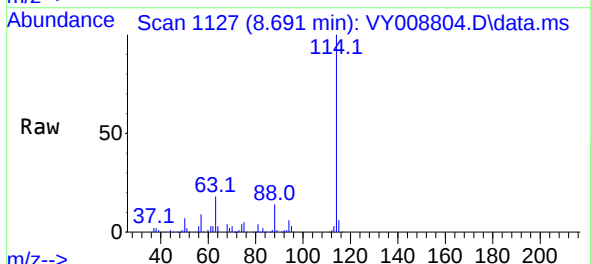
Tgt Ion: 114 Resp: 196556

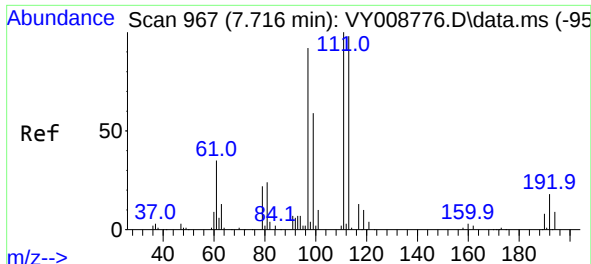
Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 13.7 0.0 31.8

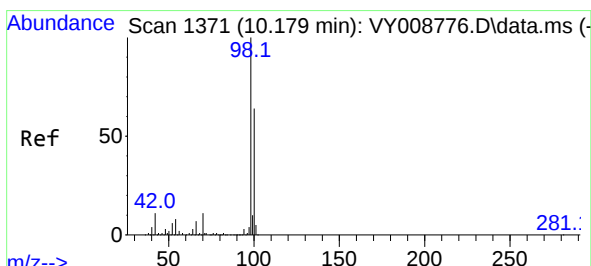
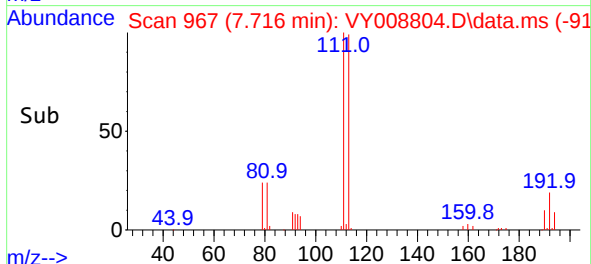
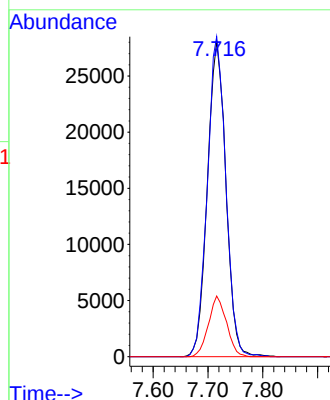
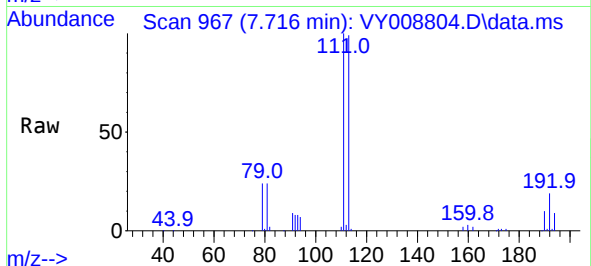




#35  
Dibromofluoromethane  
Concen: 57.225 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VY008804.D  
Acq: 18 May 2022 04:27

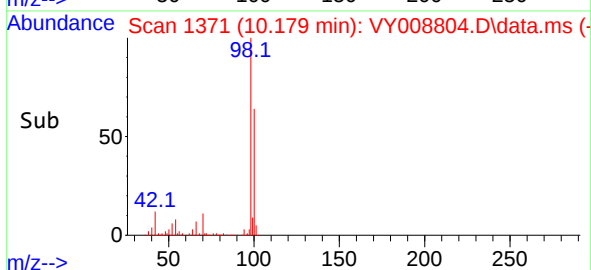
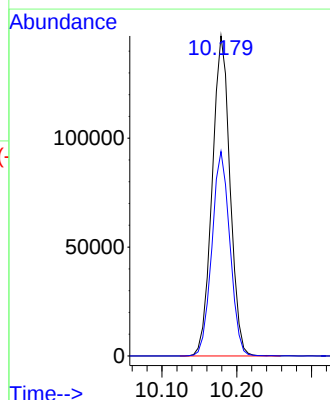
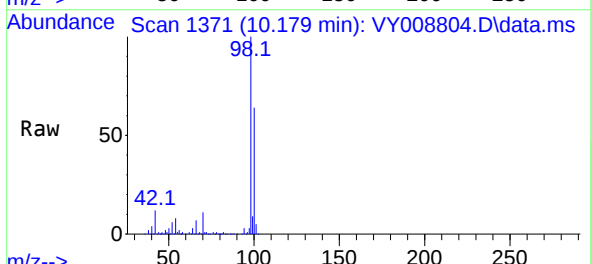
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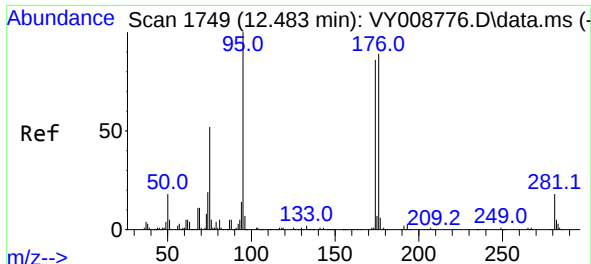
Tgt Ion:113 Resp: 65719  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.6 124.0  
192 18.8 17.6 26.4



#50  
Toluene-d8  
Concen: 47.861 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008804.D  
Acq: 18 May 2022 04:27

Tgt Ion: 98 Resp: 243577  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.2 75.2

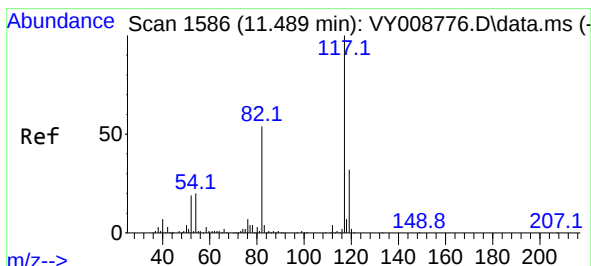
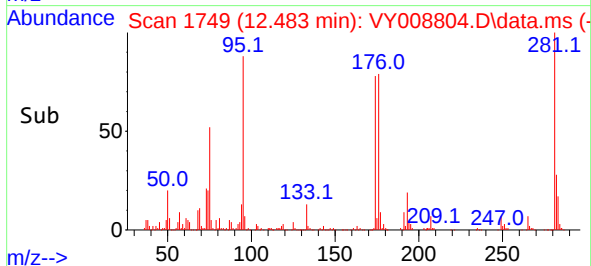
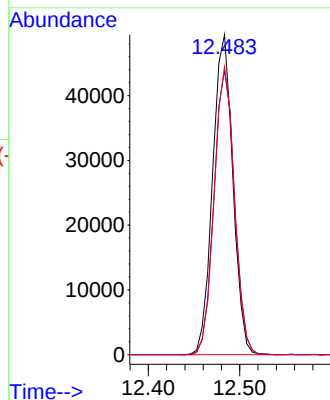
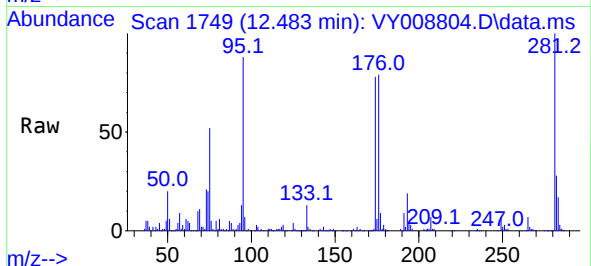




#62  
4-Bromofluorobenzene  
Concen: 42.243 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008804.D  
Acq: 18 May 2022 04:27

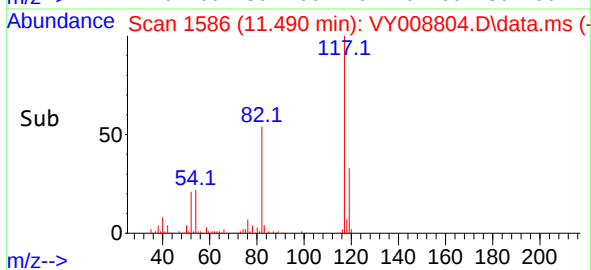
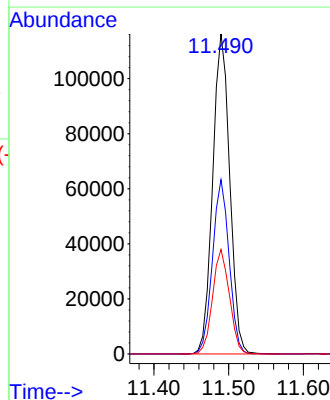
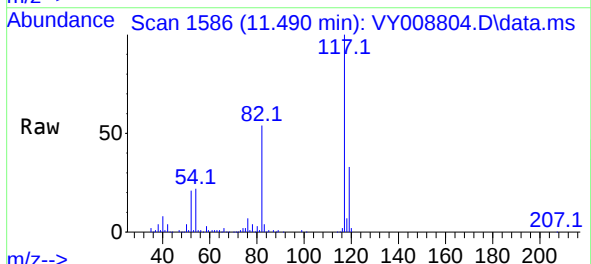
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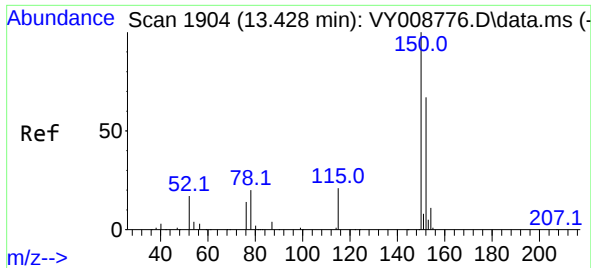
Tgt Ion: 95 Resp: 75896  
Ion Ratio Lower Upper  
95 100  
174 90.3 0.0 177.0  
176 89.9 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY008804.D  
Acq: 18 May 2022 04:27

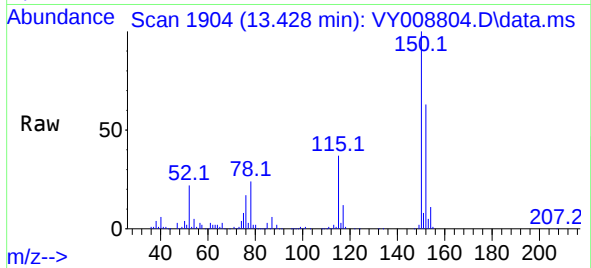
Tgt Ion: 117 Resp: 184651  
Ion Ratio Lower Upper  
117 100  
82 54.5 43.0 64.4  
119 32.6 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY008804.D  
 Acq: 18 May 2022 04:27

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P027-SS002-0006-01



Tgt Ion:152 Resp: 80567  
 Ion Ratio Lower Upper  
 152 100  
 115 56.4 28.2 84.7  
 150 156.7 0.0 347.6

