

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052022\  
 Data File : VY008931.D  
 Acq On : 21 May 2022 02:49  
 Operator : KP/MD  
 Sample : N2888-02  
 Misc : 5.80g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P041-SS001-1218-01

Quant Time: May 21 04:25:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

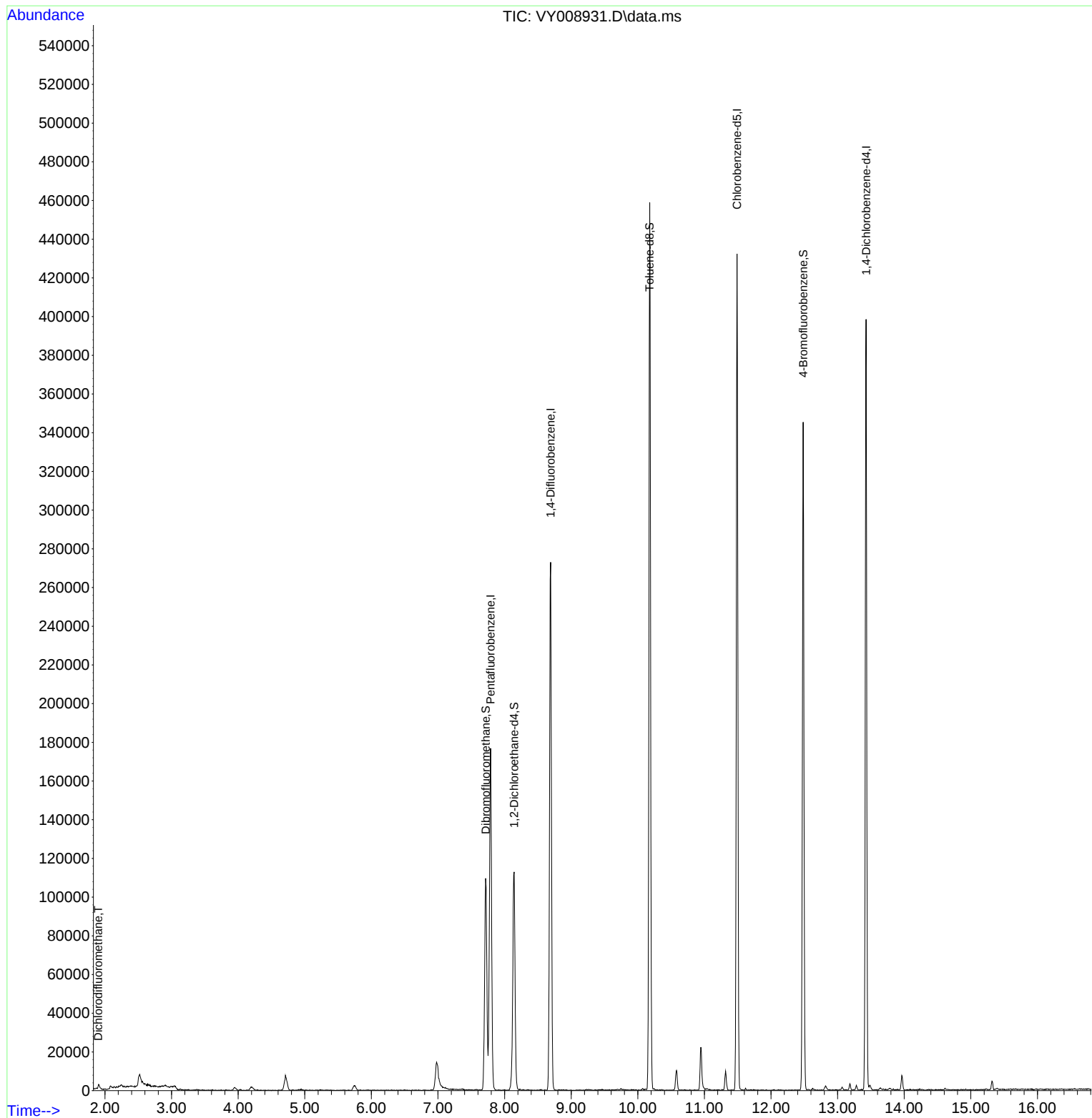
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 131628   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 234255   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 224501   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 96765    | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 84652    | 62.488   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 124.980% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 74431    | 51.096   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 102.200% |
| 50) Toluene-d8              | 10.179 | 98    | 293018   | 54.526   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 109.060% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 86022    | 39.682   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 79.360%  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       |          |
| 2) Dichlorodifluoromethane  | 1.900  | 85    | 1705     | 1.416    | ug/l  | 95       |
| -----                       |        |       |          |          |       |          |

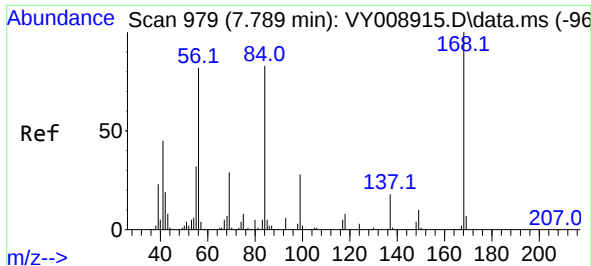
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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Response via : Initial Calibration

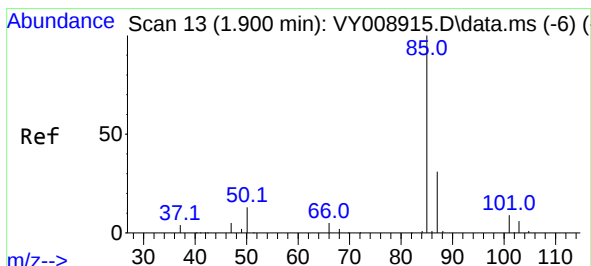
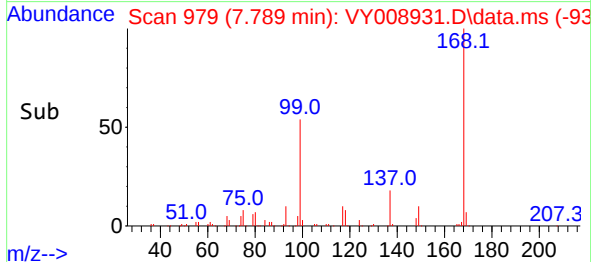
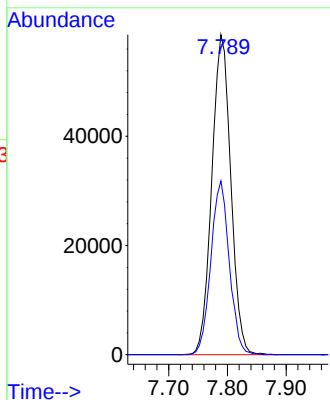
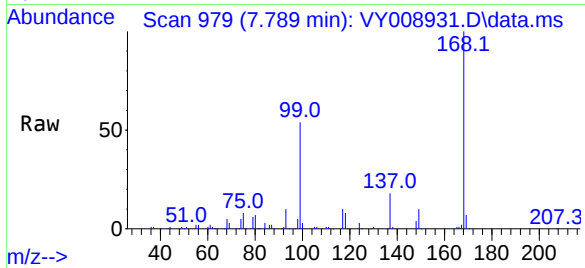




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008931.D  
Acq: 21 May 2022 02:49

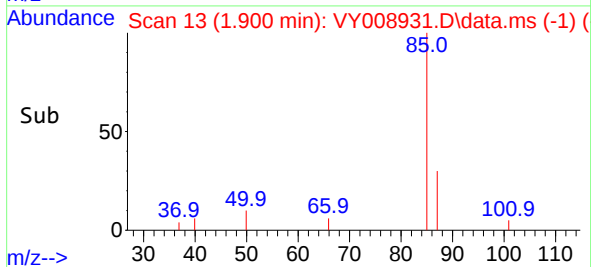
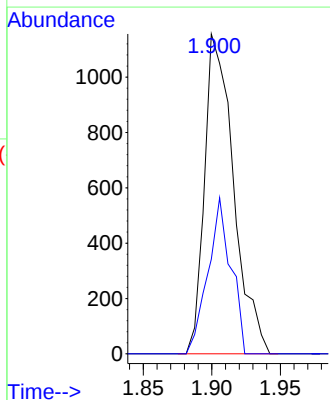
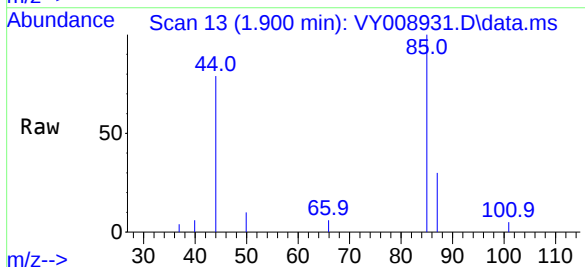
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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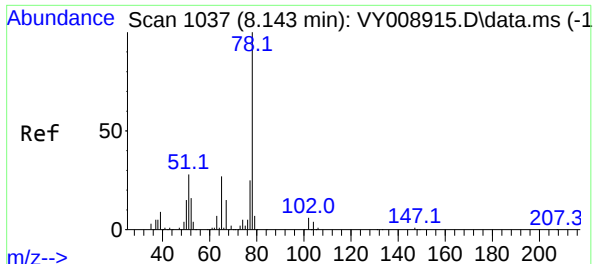
Tgt Ion:168 Resp: 131628  
Ion Ratio Lower Upper  
168 100  
99 54.3 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: 1.416 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VY008931.D  
Acq: 21 May 2022 02:49

Tgt Ion: 85 Resp: 1705  
Ion Ratio Lower Upper  
85 100  
87 29.6 16.1 48.2





#33

1,2-Dichloroethane-d4

Concen: 62.488 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY008931.D

Acq: 21 May 2022 02:49

Instrument :

MSVOA\_Y

ClientSampleId :

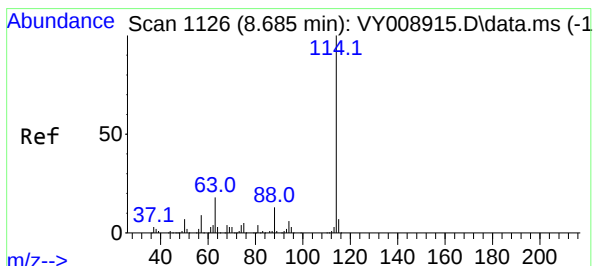
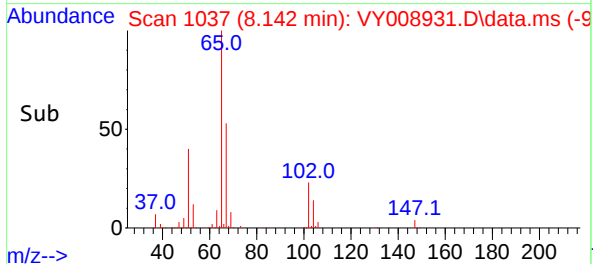
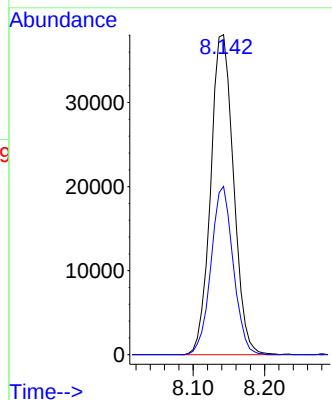
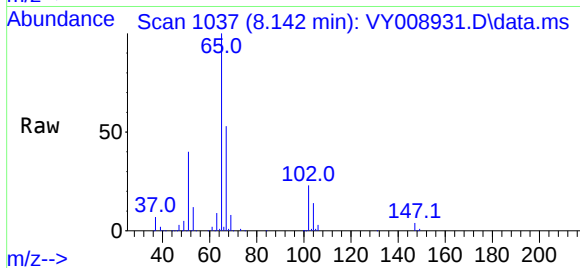
P041-SS001-1218-01

Tgt Ion: 65 Resp: 84652

Ion Ratio Lower Upper

65 100

67 51.1 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY008931.D

Acq: 21 May 2022 02:49

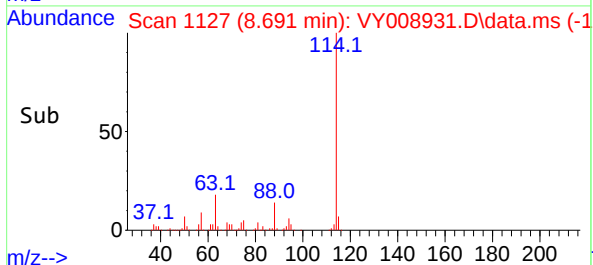
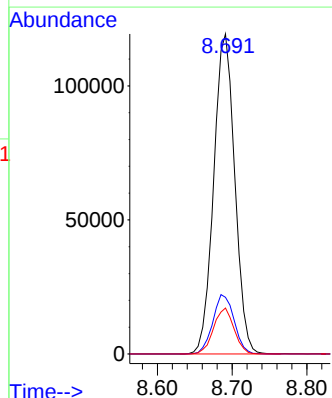
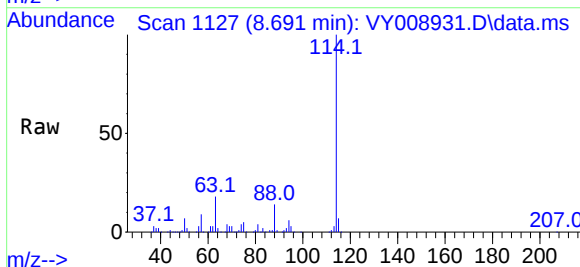
Tgt Ion: 114 Resp: 234255

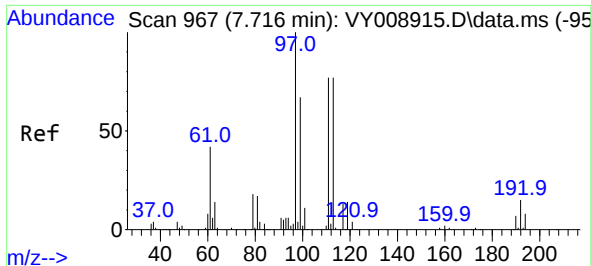
Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 14.4 0.0 31.8

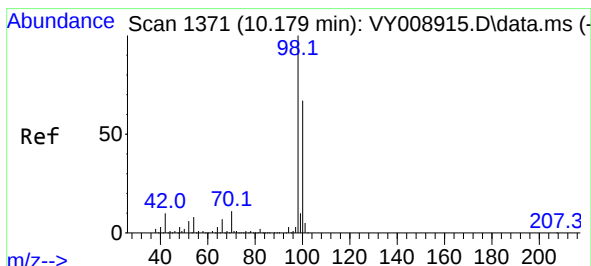
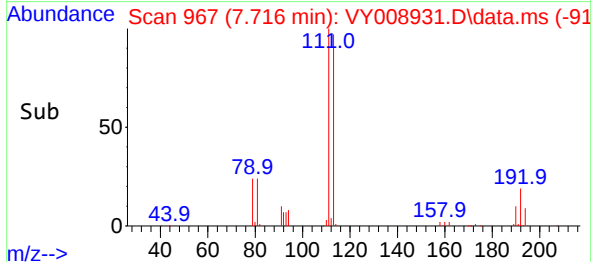
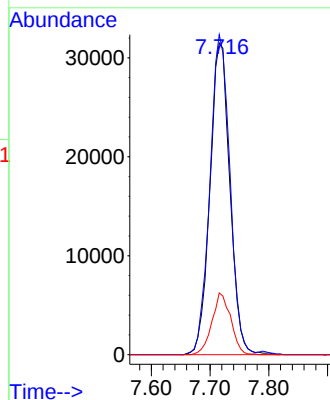
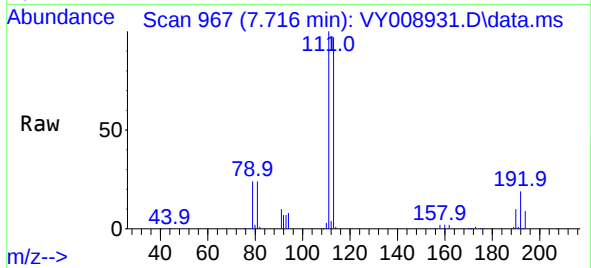




#35  
Dibromofluoromethane  
Concen: 51.096 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY008931.D  
Acq: 21 May 2022 02:49

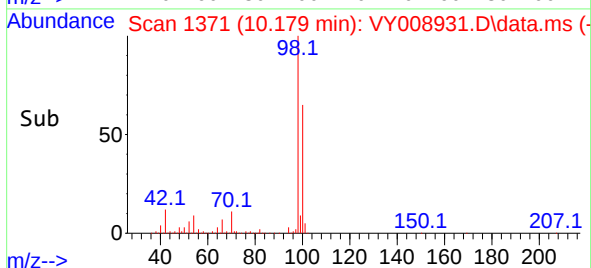
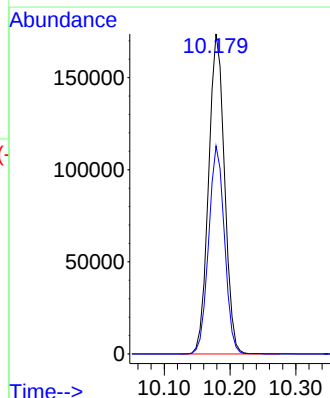
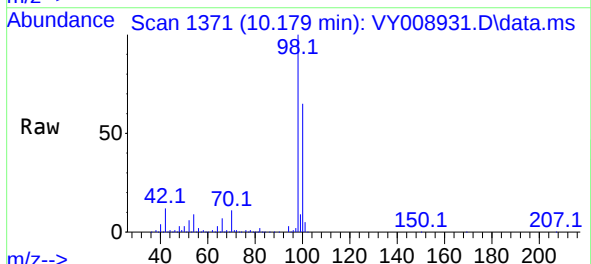
Instrument :  
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Tgt Ion:113 Resp: 74431  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.6 124.0  
192 18.7 17.6 26.4



#50  
Toluene-d8  
Concen: 54.526 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008931.D  
Acq: 21 May 2022 02:49

Tgt Ion: 98 Resp: 293018  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.2 75.2

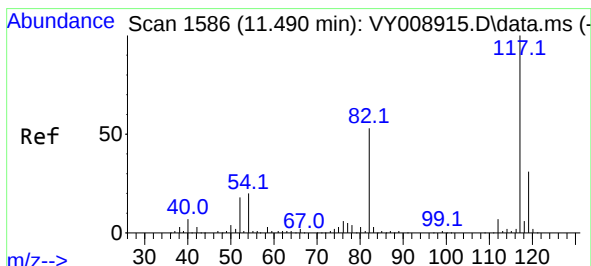
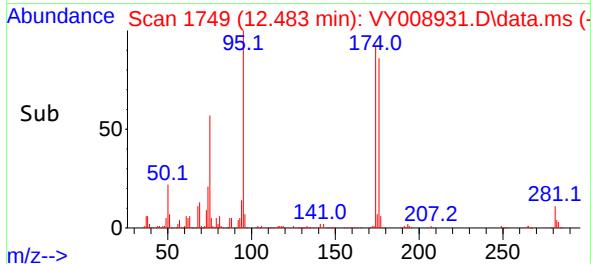
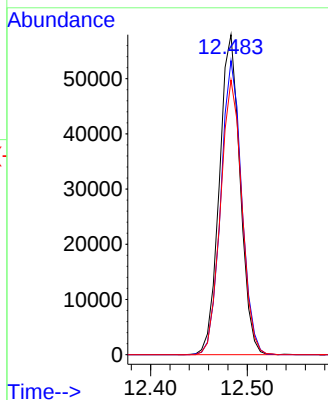
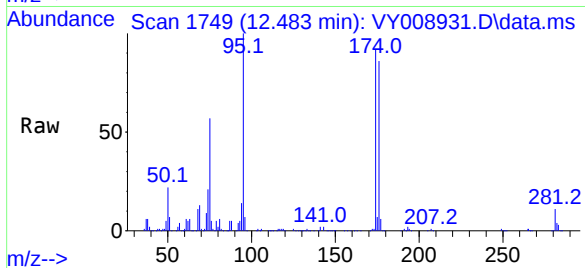




#62  
4-Bromofluorobenzene  
Concen: 39.682 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008931.D  
Acq: 21 May 2022 02:49

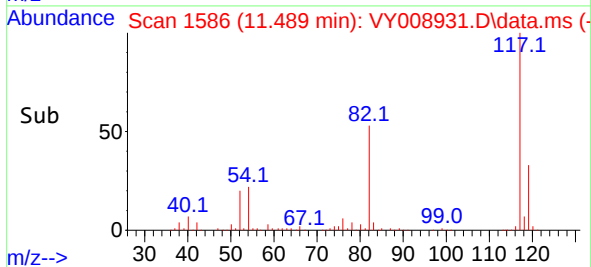
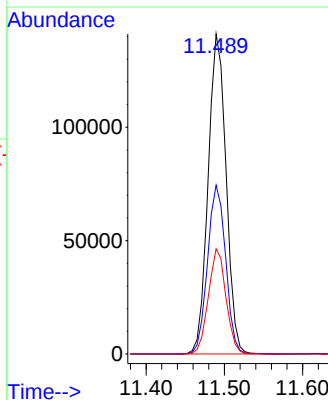
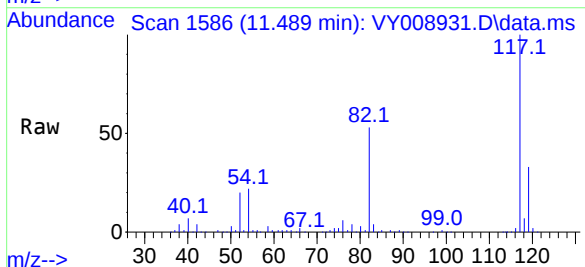
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P041-SS001-1218-01

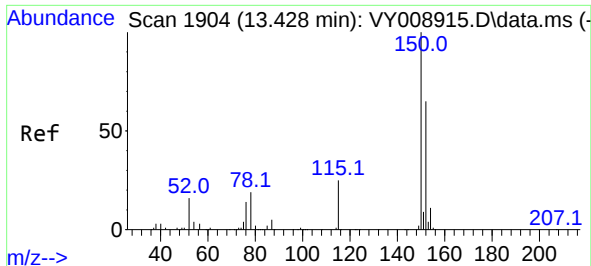
Tgt Ion: 95 Resp: 86022  
Ion Ratio Lower Upper  
95 100  
174 92.3 0.0 177.0  
176 88.3 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY008931.D  
Acq: 21 May 2022 02:49

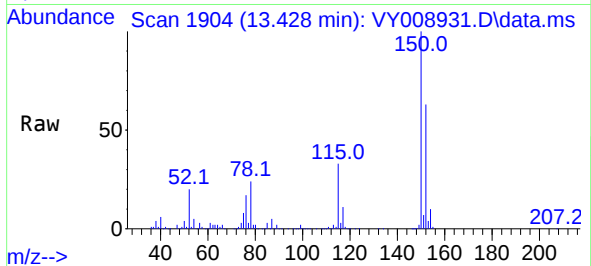
Tgt Ion: 117 Resp: 224501  
Ion Ratio Lower Upper  
117 100  
82 52.8 43.0 64.4  
119 32.9 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY008931.D  
 Acq: 21 May 2022 02:49

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P041-SS001-1218-01



Tgt Ion:152 Resp: 96765  
 Ion Ratio Lower Upper  
 152 100  
 115 55.3 28.2 84.7  
 150 155.7 0.0 347.6

