

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052422\  
 Data File : VY009067.D  
 Acq On : 24 May 2022 17:16  
 Operator : KP/MD  
 Sample : N2981-03  
 Misc : 2.83g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-15(0.5-1)

Quant Time: May 25 02:55:25 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

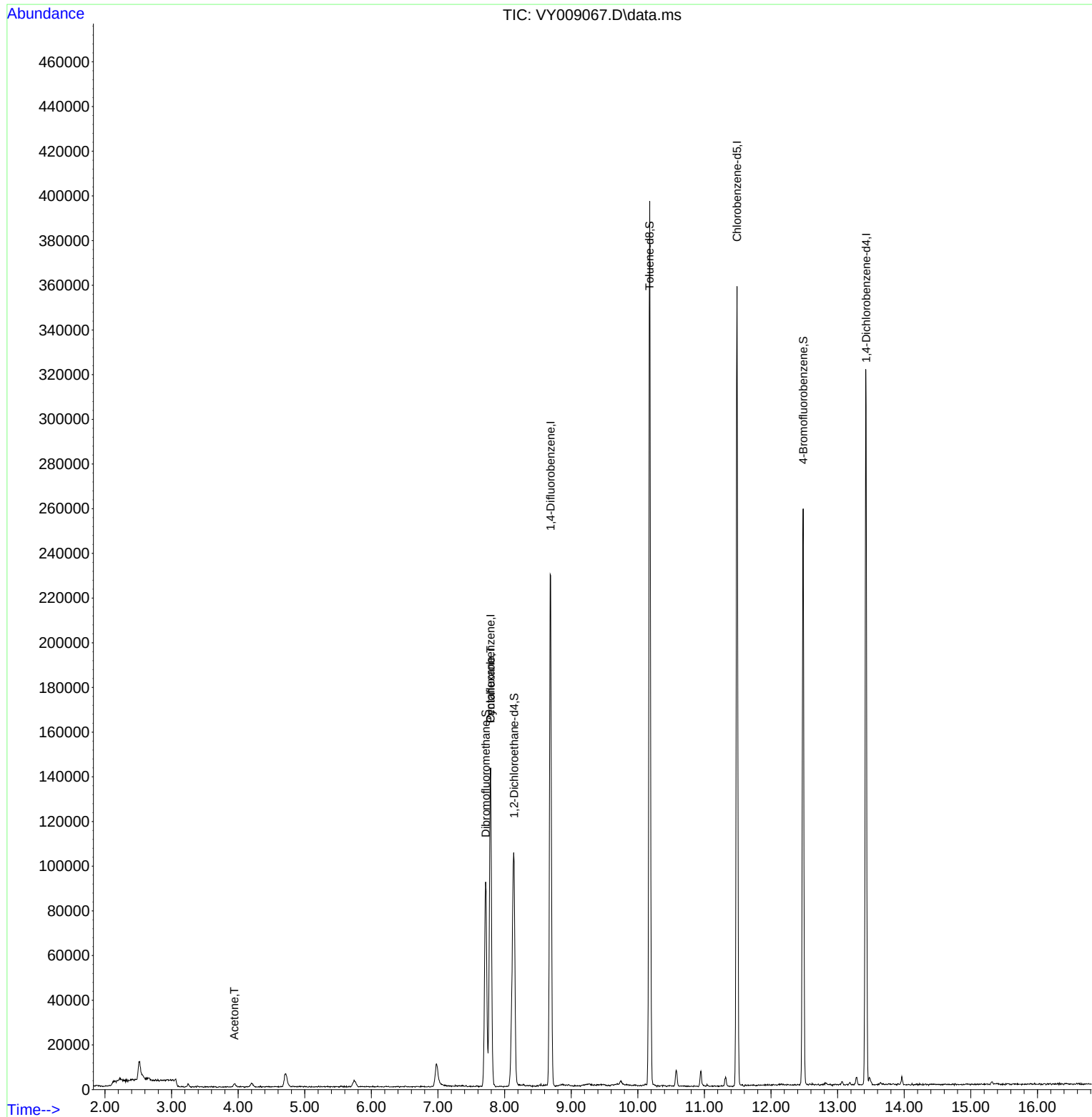
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 107448   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 193661   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 181289   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 75368    | 50.000   | ug/l       | 0.00     |
|                             |        |       |          |          |            |          |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 66508    | 60.143   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 120.280% |          |
| 35) Dibromofluoromethane    | 7.716  | 113   | 61982    | 51.469   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 102.940% |          |
| 50) Toluene-d8              | 10.179 | 98    | 240979   | 54.241   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 108.480% |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 69066    | 38.538   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 77.080%  |          |
|                             |        |       |          |          |            |          |
| Target Compounds            |        |       |          |          |            | Qvalue   |
| 16) Acetone                 | 3.942  | 43    | 2466     | 10.713   | ug/l       | 92       |
| 31) Cyclohexane             | 7.789  | 56    | 2905     | 1.343    | ug/l #     | 37       |
| -----                       |        |       |          |          |            |          |

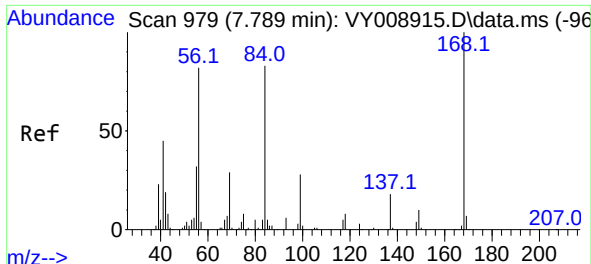
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri May 20 23:50:52 2022  
Response via : Initial Calibration

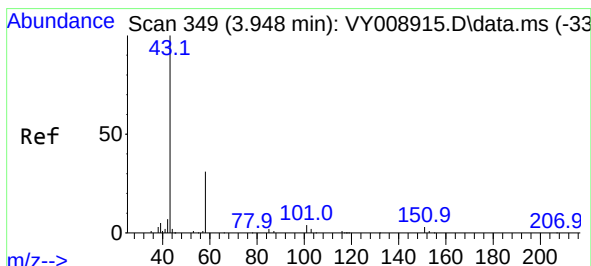
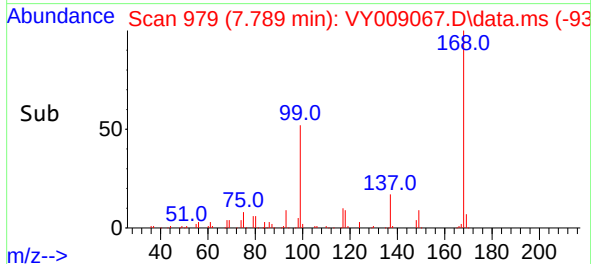
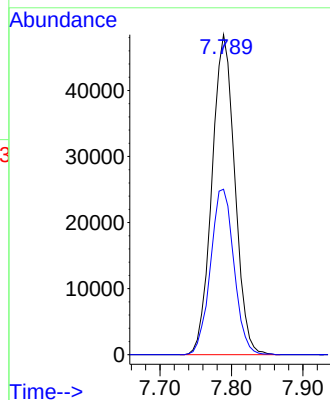
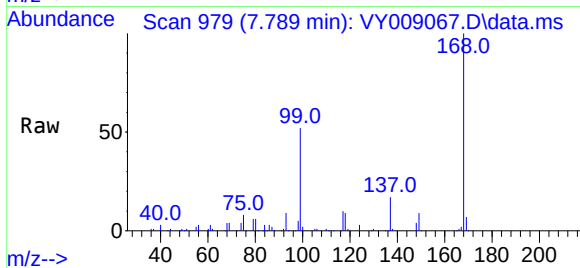




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009067.D  
Acq: 24 May 2022 17:16

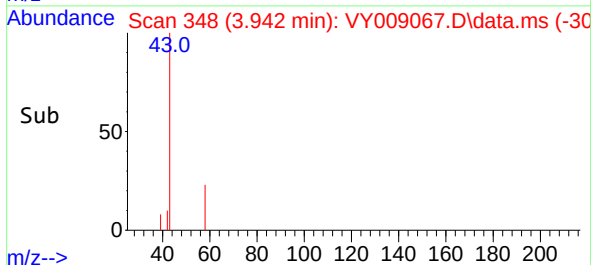
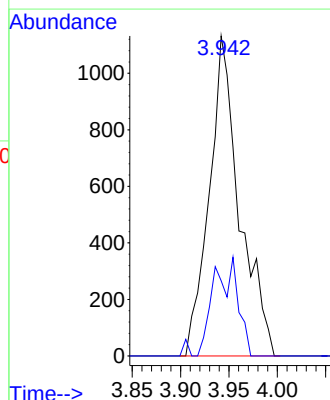
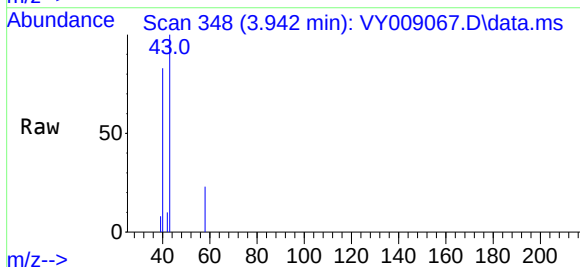
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15(0.5-1)

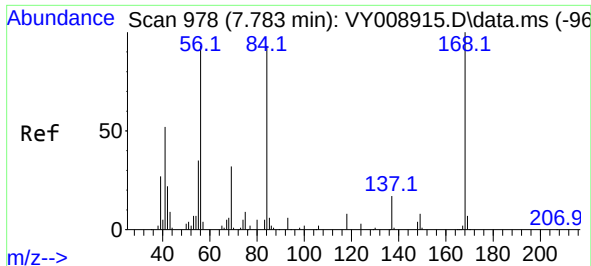
Tgt Ion:168 Resp: 107448  
Ion Ratio Lower Upper  
168 100  
99 51.7 46.9 70.3



#16  
Acetone  
Concen: 10.713 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY009067.D  
Acq: 24 May 2022 17:16

Tgt Ion: 43 Resp: 2466  
Ion Ratio Lower Upper  
43 100  
58 23.5 22.0 33.0

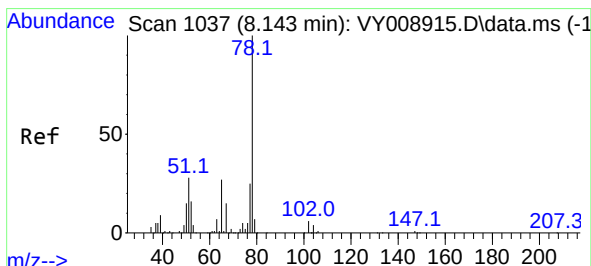
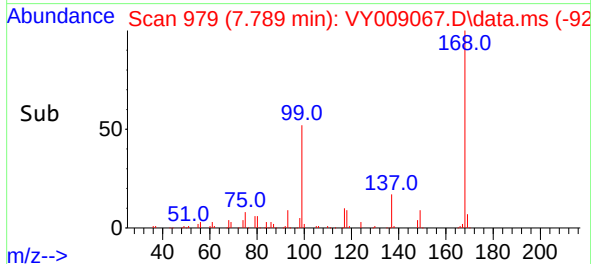
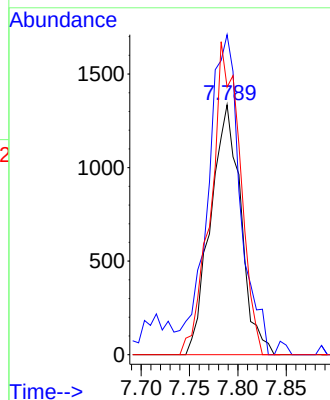
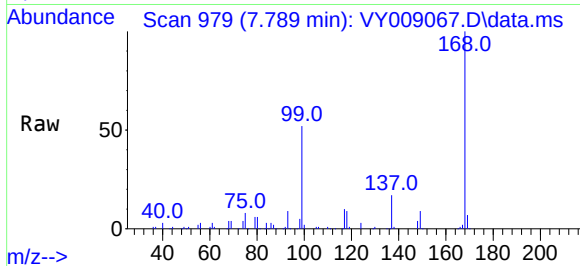




#31  
Cyclohexane  
Concen: 1.343 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY009067.D  
Acq: 24 May 2022 17:16

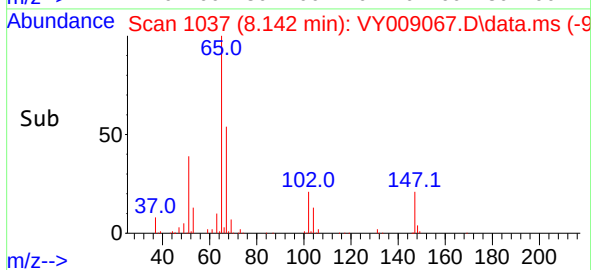
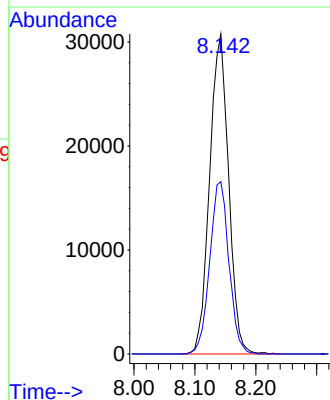
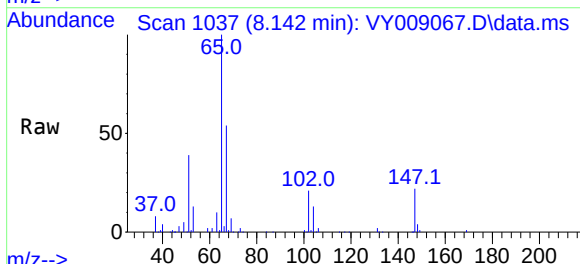
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ClientSampleId :  
SB-15(0.5-1)

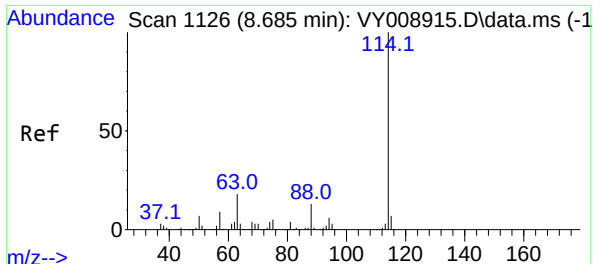
Tgt Ion: 56 Resp: 2905  
Ion Ratio Lower Upper  
56 100  
69 122.6 26.7 40.1#  
84 107.0 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 60.143 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY009067.D  
Acq: 24 May 2022 17:16

Tgt Ion: 65 Resp: 66508  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY009067.D

Acq: 24 May 2022 17:16

Instrument :

MSVOA\_Y

ClientSampleId :

SB-15(0.5-1)

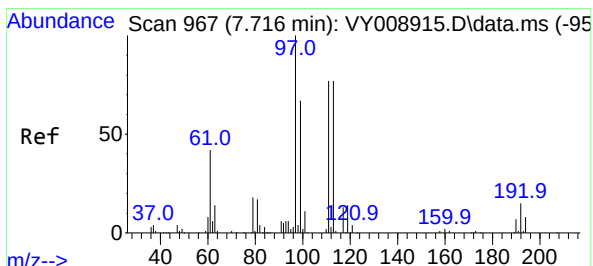
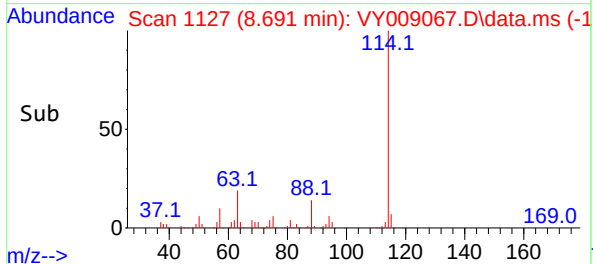
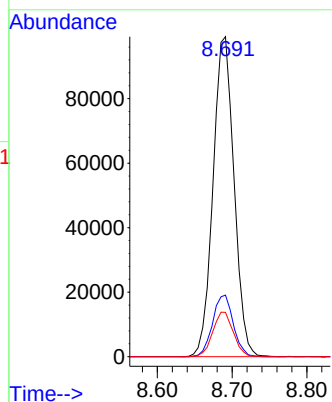
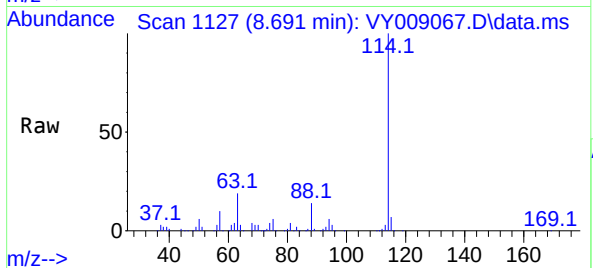
Tgt Ion:114 Resp: 193661

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 13.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.469 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY009067.D

Acq: 24 May 2022 17:16

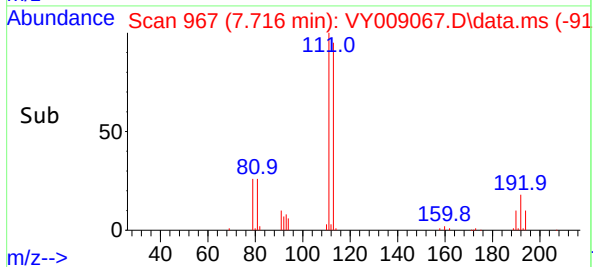
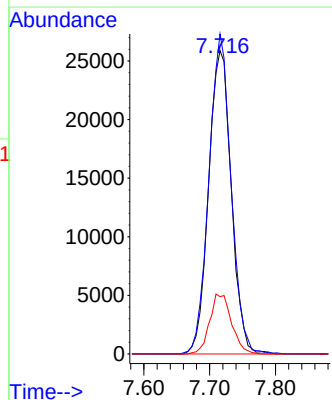
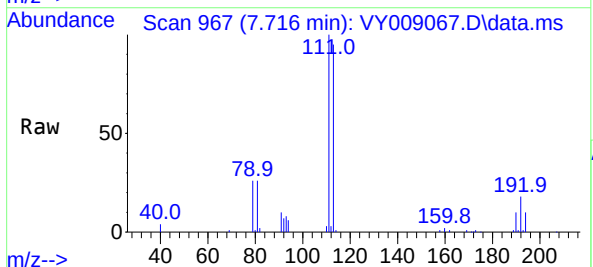
Tgt Ion:113 Resp: 61982

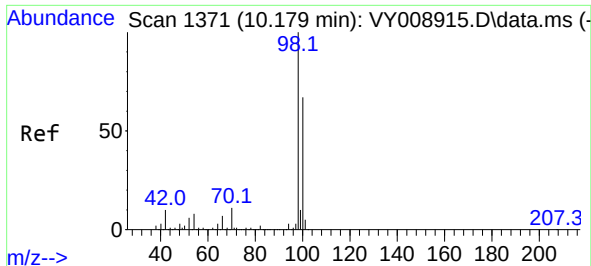
Ion Ratio Lower Upper

113 100

111 103.4 82.6 124.0

192 19.1 17.6 26.4

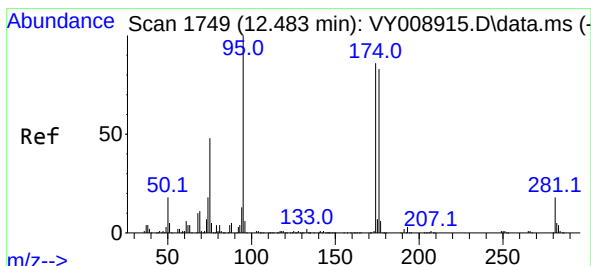
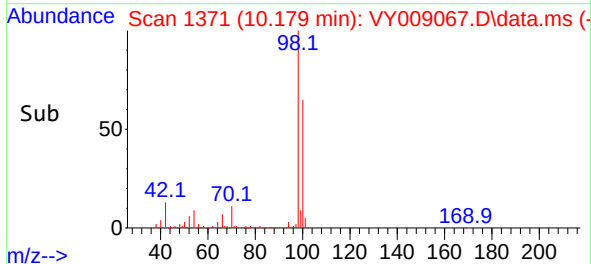
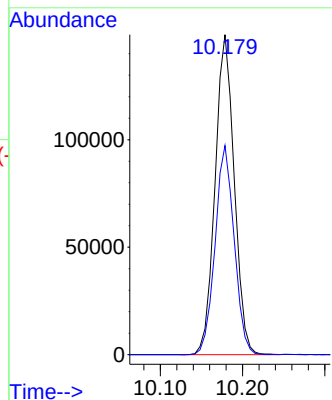
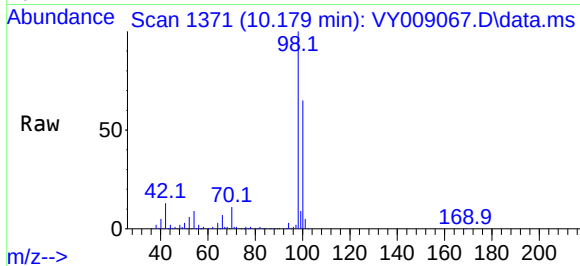




#50  
Toluene-d8  
Concen: 54.241 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009067.D  
Acq: 24 May 2022 17:16

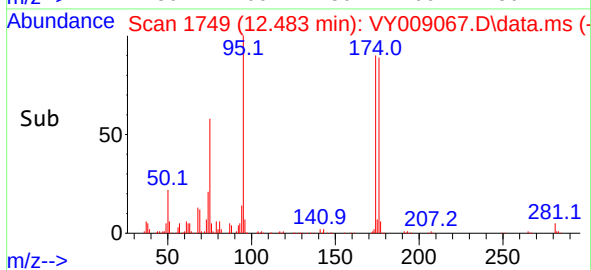
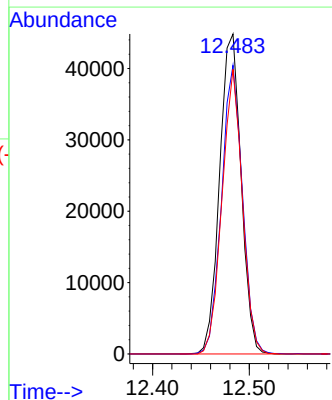
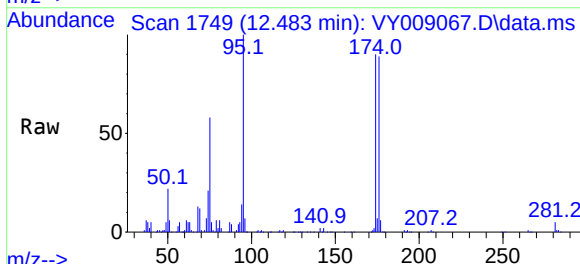
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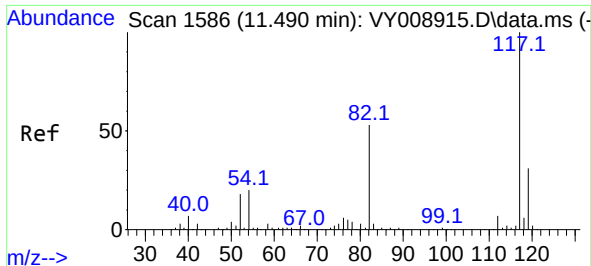
Tgt Ion: 98 Resp: 240979  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 38.538 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY009067.D  
Acq: 24 May 2022 17:16

Tgt Ion: 95 Resp: 69066  
Ion Ratio Lower Upper  
95 100  
174 87.8 0.0 177.0  
176 84.1 0.0 175.8

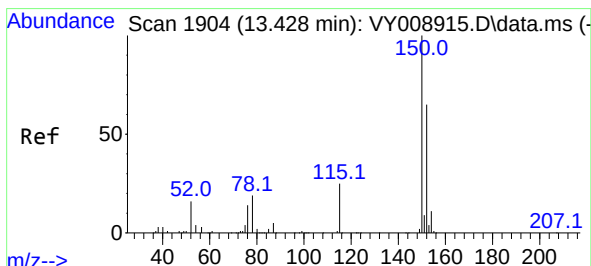
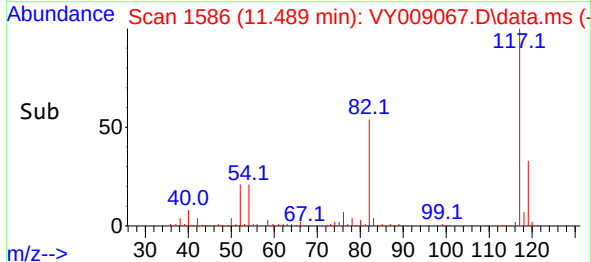
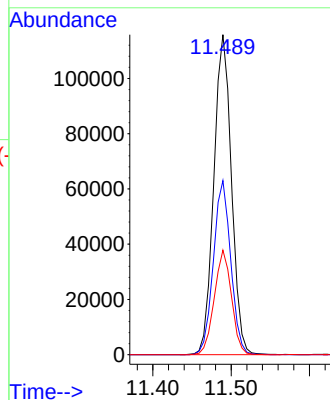
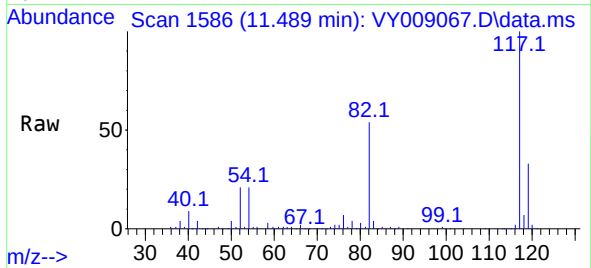




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY009067.D  
Acq: 24 May 2022 17:16

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15(0.5-1)

Tgt Ion:117 Resp: 181289  
Ion Ratio Lower Upper  
117 100  
82 54.4 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: VY009067.D  
Acq: 24 May 2022 17:16

Tgt Ion:152 Resp: 75368  
Ion Ratio Lower Upper  
152 100  
115 56.3 28.2 84.7  
150 156.7 0.0 347.6

