

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032922\  
 Data File : VY008088.D  
 Acq On : 29 Mar 2022 15:39  
 Operator : SY/MD  
 Sample : N2155-09  
 Misc : 5.69g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 22L076-I

Quant Time: Mar 30 04:00:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032522S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 26 03:24:51 2022  
 Response via : Initial Calibration

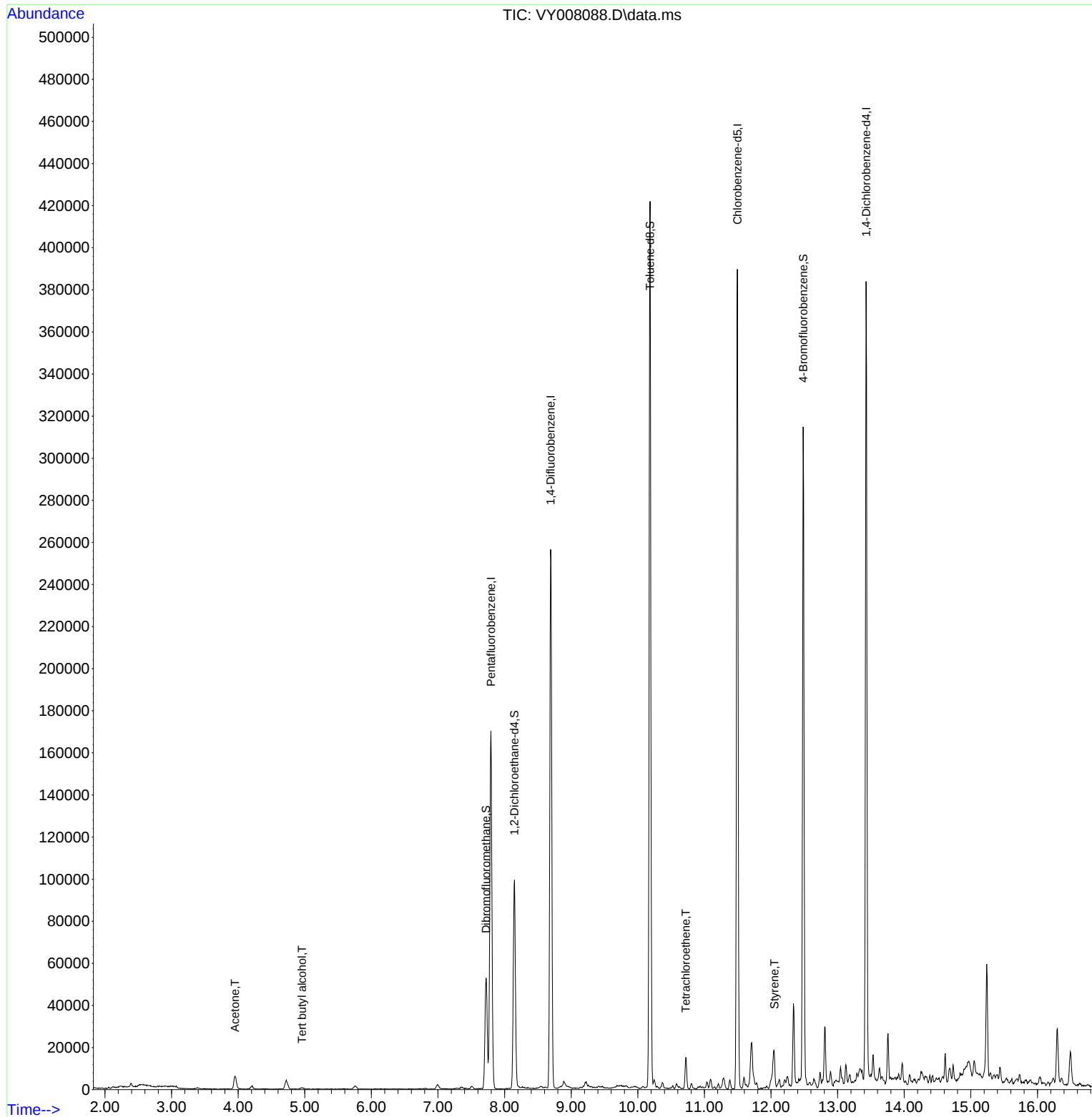
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.795     | 168   | 131039   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691     | 114   | 236312   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.496    | 117   | 223707   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428    | 152   | 98340    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.149     | 65    | 76053    | 57.848   | ug/l       | 0.01     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 115.700% |          |
| 35) Dibromofluoromethane    | 7.722     | 113   | 38822    | 26.203   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 52.400%# |          |
| 50) Toluene-d8              | 10.185    | 98    | 287208   | 51.453   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 49 - 140 | Recovery | = 102.900% |          |
| 62) 4-Bromofluorobenzene    | 12.483    | 95    | 99060    | 50.301   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 25 - 144 | Recovery | = 100.600% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol      | 4.960     | 59    | 1333     | 9.772    | ug/l #     | 86       |
| 16) Acetone                 | 3.954     | 43    | 10718    | 35.667   | ug/l       | 92       |
| 64) Tetrachloroethene       | 10.721    | 164   | 3160     | 1.839    | ug/l       | 92       |
| 70) Styrene                 | 12.050    | 104   | 6897     | 1.252    | ug/l #     | 92       |
| -----                       |           |       |          |          |            |          |

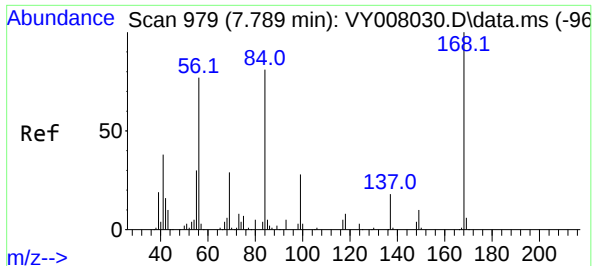
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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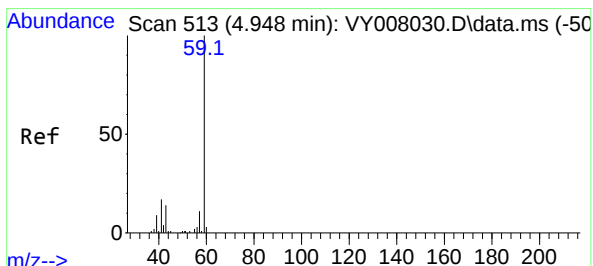
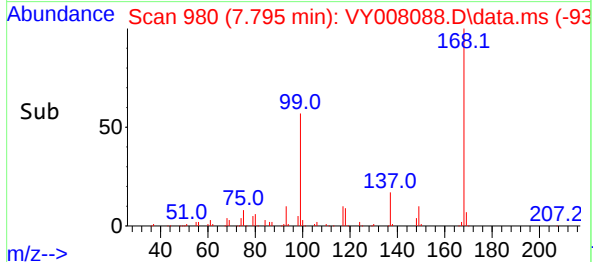
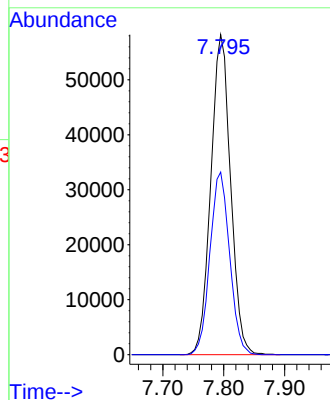
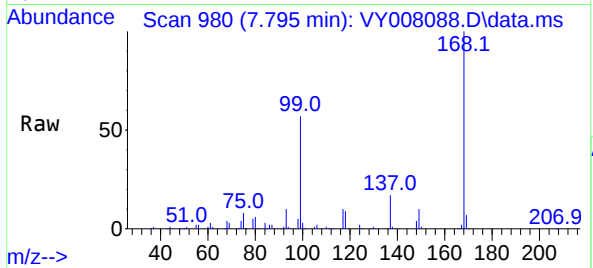




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY008088.D  
Acq: 29 Mar 2022 15:39

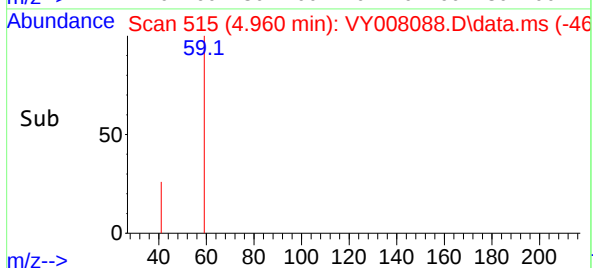
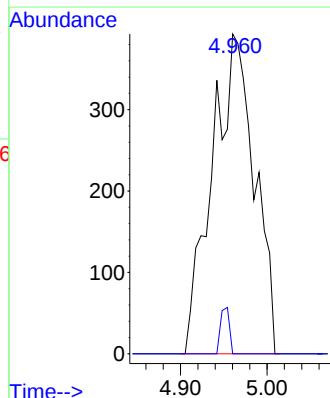
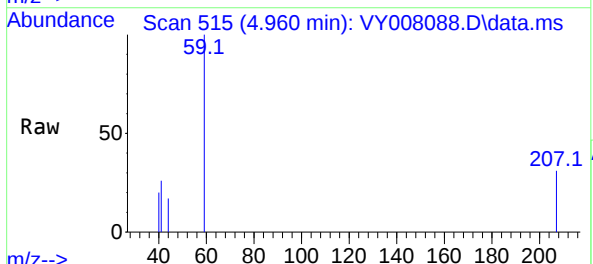
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ClientSampleId :  
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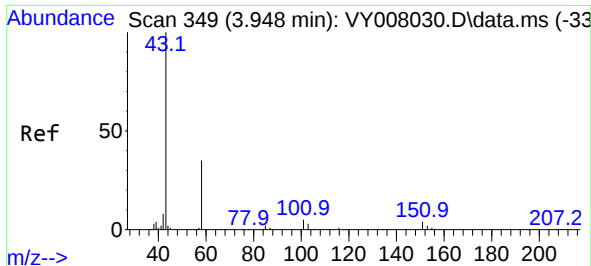
Tgt Ion:168 Resp: 131039  
Ion Ratio Lower Upper  
168 100  
99 57.0 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 9.772 ug/l  
RT: 4.960 min Scan# 515  
Delta R.T. 0.012 min  
Lab File: VY008088.D  
Acq: 29 Mar 2022 15:39

Tgt Ion: 59 Resp: 1333  
Ion Ratio Lower Upper  
59 100  
57 3.0 6.4 9.6#

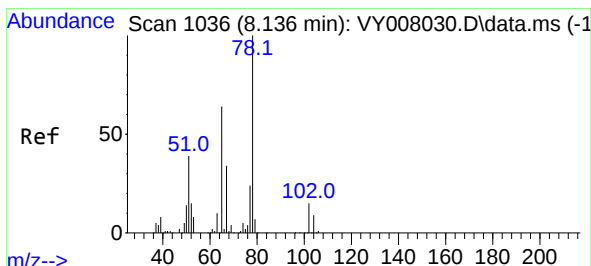
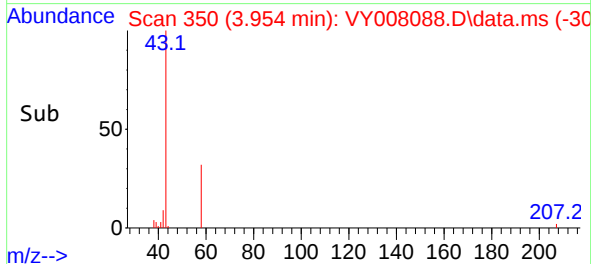
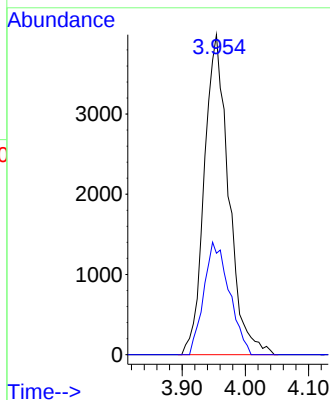
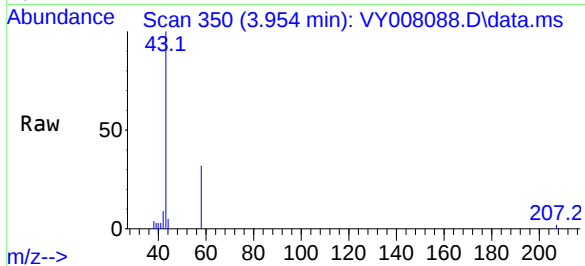




#16  
Acetone  
Concen: 35.667 ug/l  
RT: 3.954 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY008088.D  
Acq: 29 Mar 2022 15:39

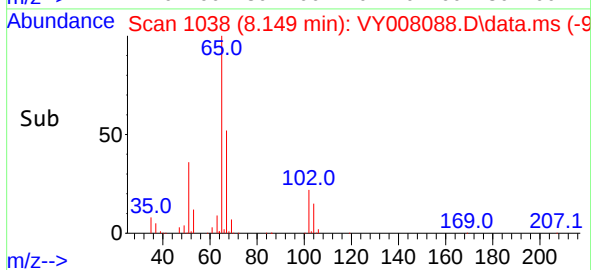
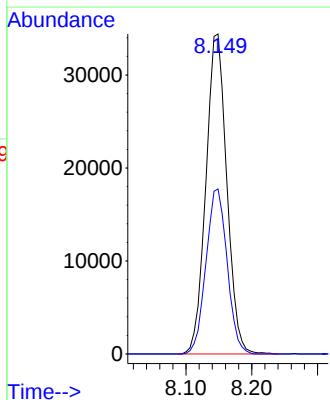
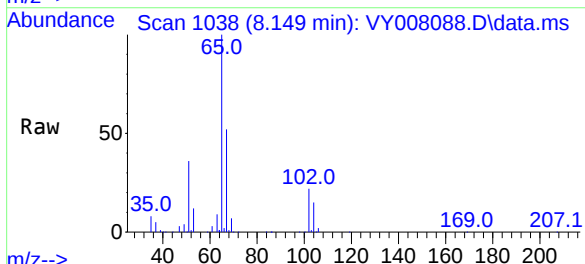
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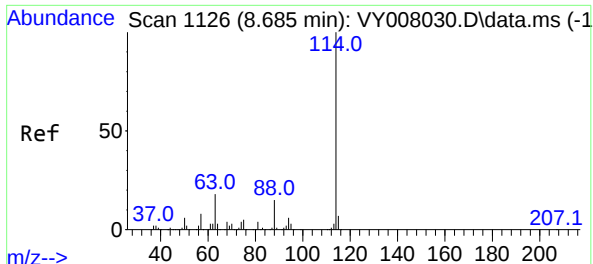
Tgt Ion: 43 Resp: 10718  
Ion Ratio Lower Upper  
43 100  
58 31.7 22.0 33.0



#33  
1,2-Dichloroethane-d4  
Concen: 57.848 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.013 min  
Lab File: VY008088.D  
Acq: 29 Mar 2022 15:39

Tgt Ion: 65 Resp: 76053  
Ion Ratio Lower Upper  
65 100  
67 52.2 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: VY008088.D

Acq: 29 Mar 2022 15:39

Instrument :

MSVOA\_Y

ClientSampleId :

22L076-I

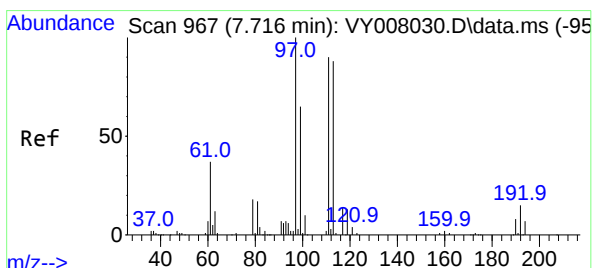
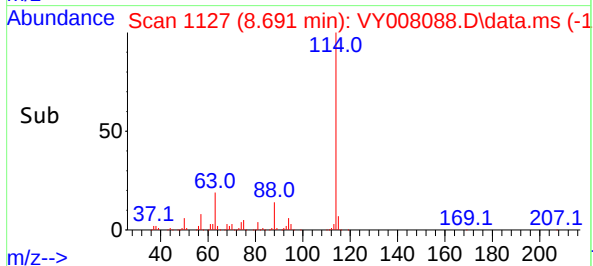
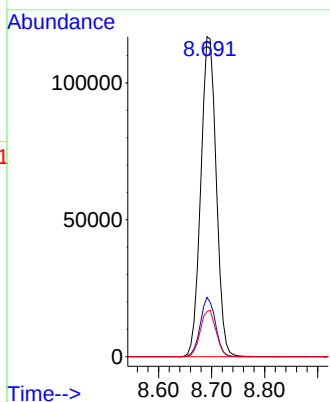
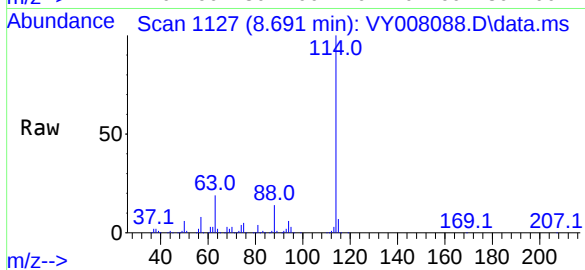
Tgt Ion:114 Resp: 236312

Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 14.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 26.203 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY008088.D

Acq: 29 Mar 2022 15:39

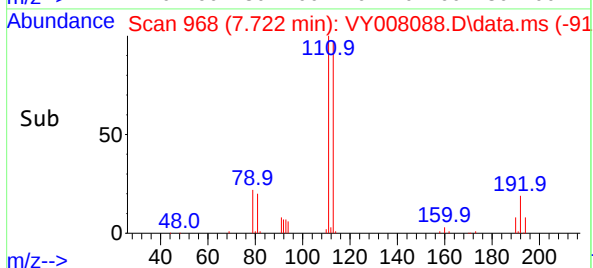
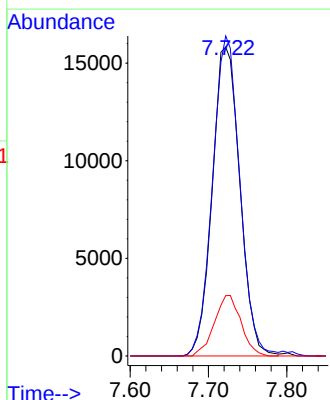
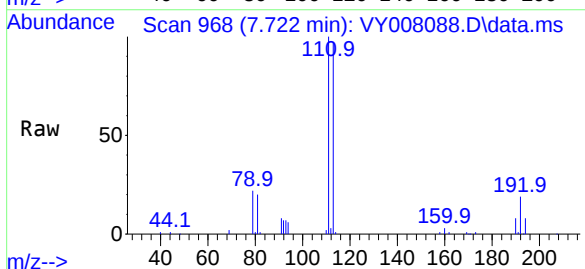
Tgt Ion:113 Resp: 38822

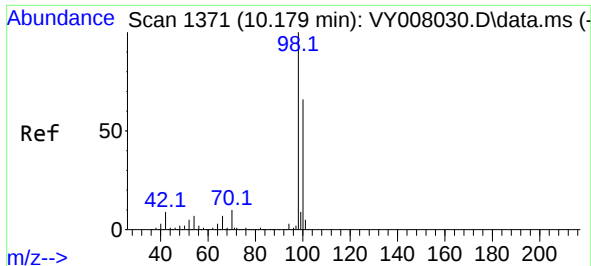
Ion Ratio Lower Upper

113 100

111 101.9 82.6 124.0

192 18.9 17.6 26.4

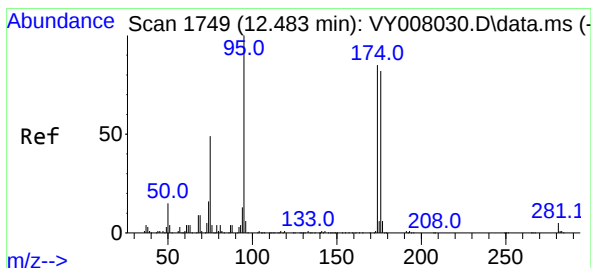
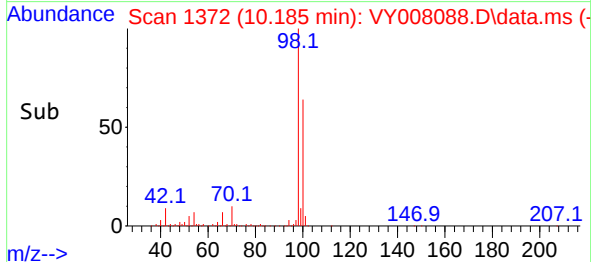
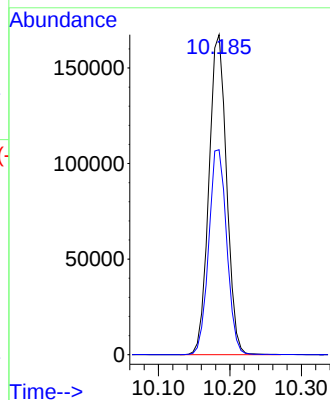
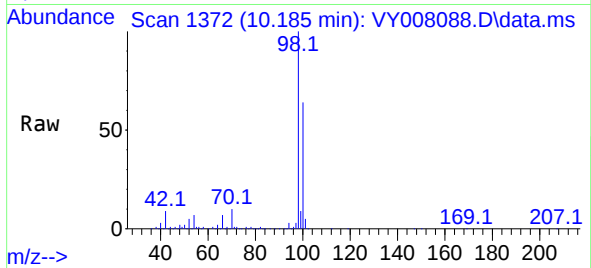




#50  
Toluene-d8  
Concen: 51.453 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY008088.D  
Acq: 29 Mar 2022 15:39

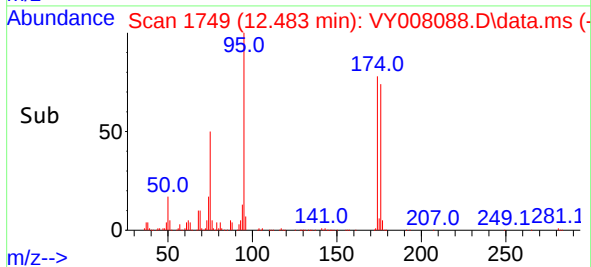
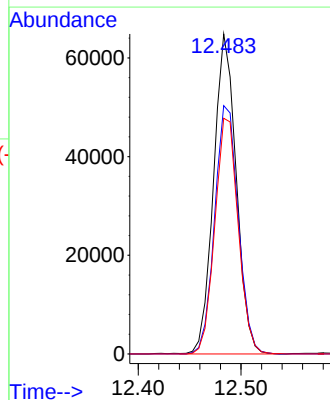
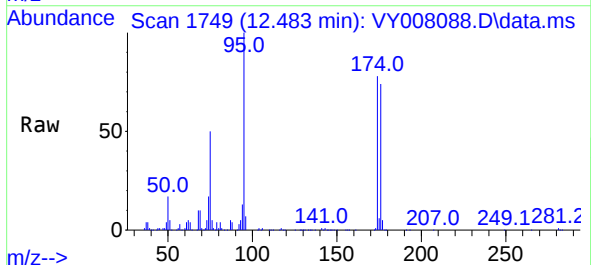
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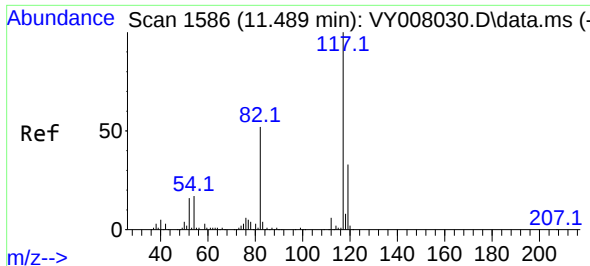
Tgt Ion: 98 Resp: 287208  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 50.301 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008088.D  
Acq: 29 Mar 2022 15:39

Tgt Ion: 95 Resp: 99060  
Ion Ratio Lower Upper  
95 100  
174 80.9 0.0 177.0  
176 76.0 0.0 175.8

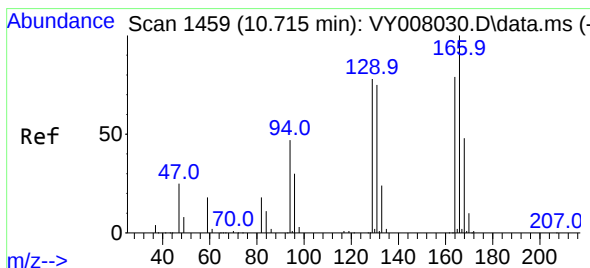
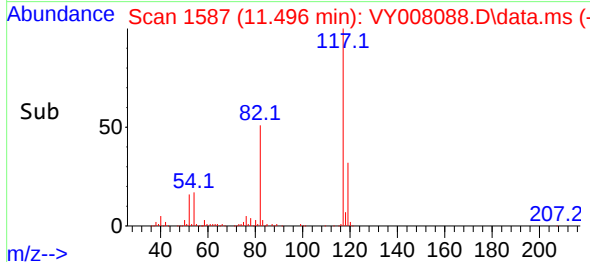
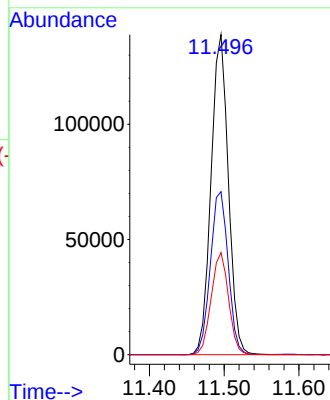
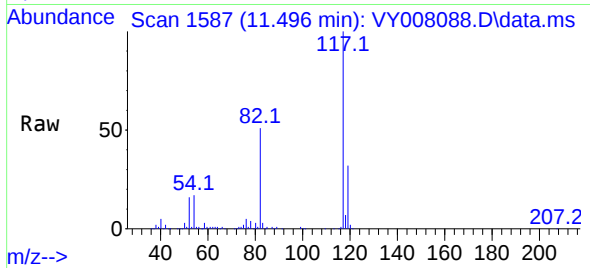




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VY008088.D  
Acq: 29 Mar 2022 15:39

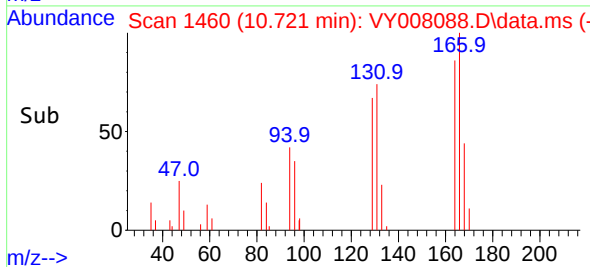
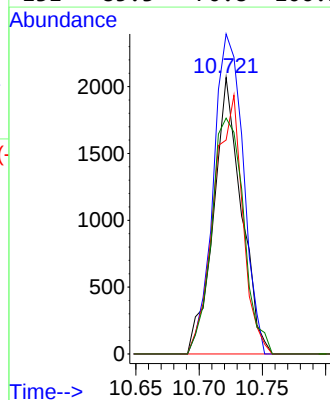
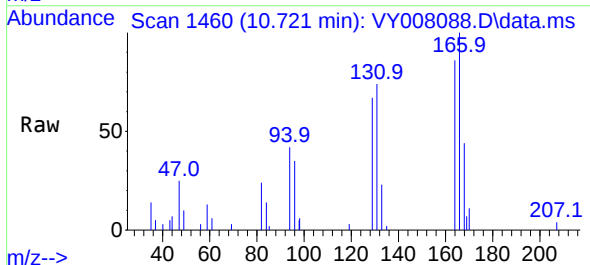
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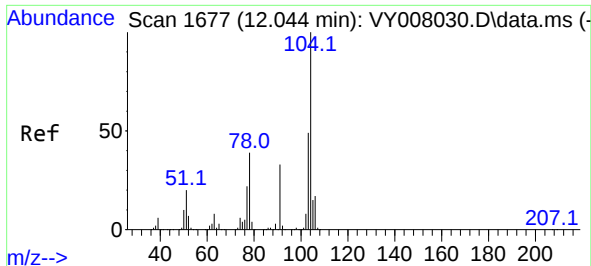
Tgt Ion:117 Resp: 223707  
Ion Ratio Lower Upper  
117 100  
82 50.9 43.0 64.4  
119 31.9 25.4 38.0



#64  
Tetrachloroethene  
Concen: 1.839 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. 0.006 min  
Lab File: VY008088.D  
Acq: 29 Mar 2022 15:39

Tgt Ion:164 Resp: 3160  
Ion Ratio Lower Upper  
164 100  
166 115.8 100.4 150.6  
129 77.4 71.4 107.0  
131 85.3 70.8 106.2

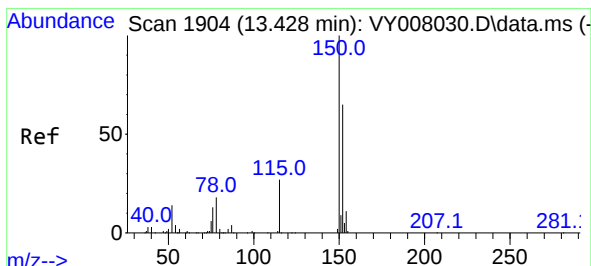
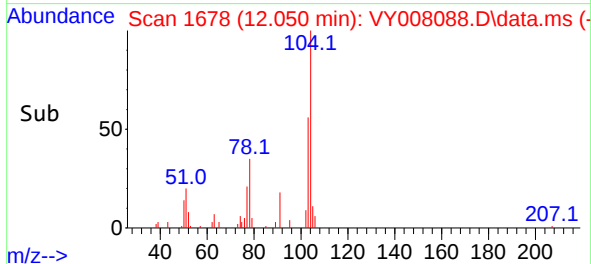
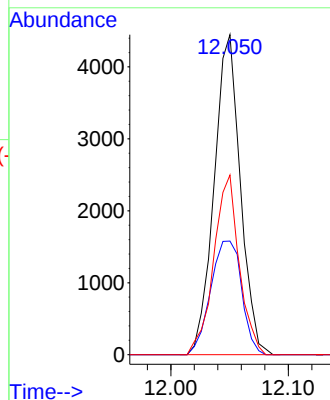
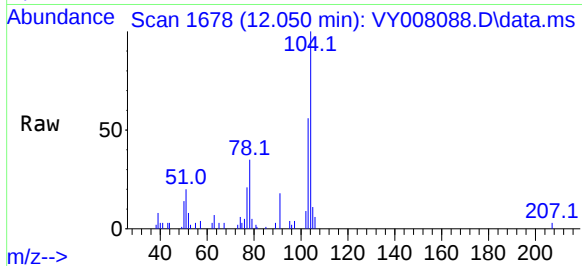




#70  
Styrene  
Concen: 1.252 ug/l  
RT: 12.050 min Scan# 104  
Delta R.T. 0.006 min  
Lab File: VY008088.D  
Acq: 29 Mar 2022 15:39

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MSVOA\_Y  
ClientSampleId :  
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Tgt Ion:104 Resp: 6897  
Ion Ratio Lower Upper  
104 100  
78 42.0 42.4 63.6#  
103 54.5 44.4 66.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008088.D  
Acq: 29 Mar 2022 15:39

Tgt Ion:152 Resp: 98340  
Ion Ratio Lower Upper  
152 100  
115 60.0 28.2 84.7  
150 154.5 0.0 347.6

