

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081922\  
 Data File : VY010115.D  
 Acq On : 19 Aug 2022 19:50  
 Operator : KP/MD  
 Sample : N4217-06  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP2-0815

Quant Time: Aug 22 02:45:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081922S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 22 02:37:07 2022  
 Response via : Initial Calibration

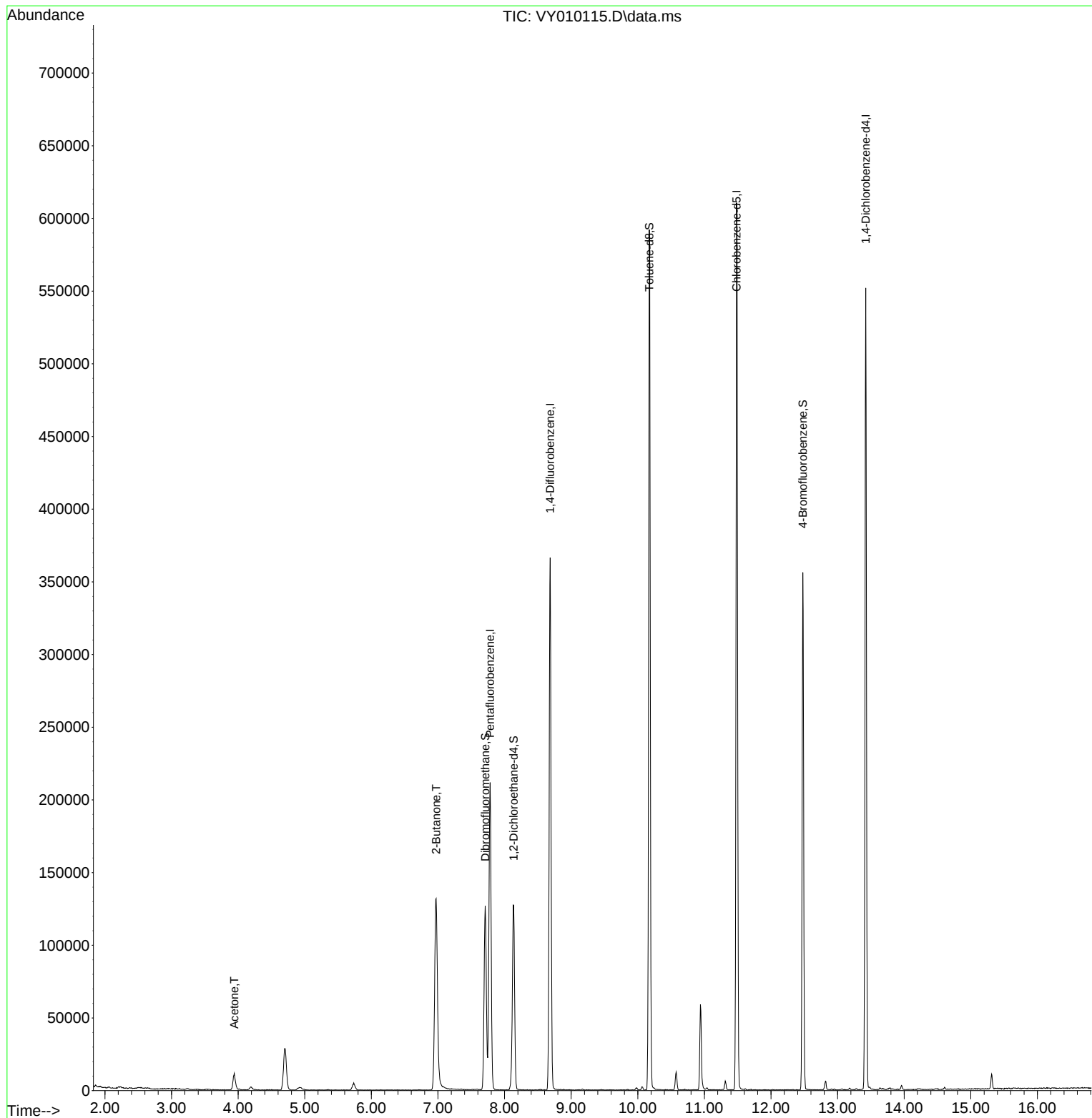
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 170527   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 318875   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.483 | 117   | 345888   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 144225   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 94783    | 67.858   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 135.720% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 92262    | 51.348   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 102.700% |
| 50) Toluene-d8              | 10.173 | 98    | 395264   | 58.708   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 117.420% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 106219   | 44.155   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 88.320%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.942  | 43    | 18666    | 53.394   | ug/l   | 99       |
| 25) 2-Butanone              | 6.972  | 43    | 6824     | 12.135   | ug/l # | 72       |
| -----                       |        |       |          |          |        |          |

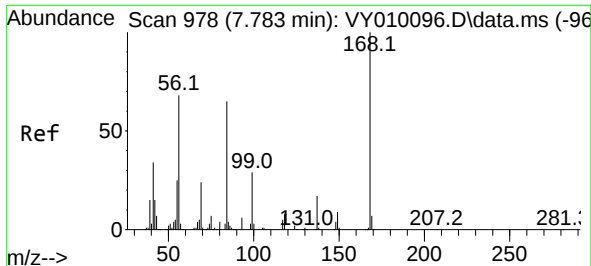
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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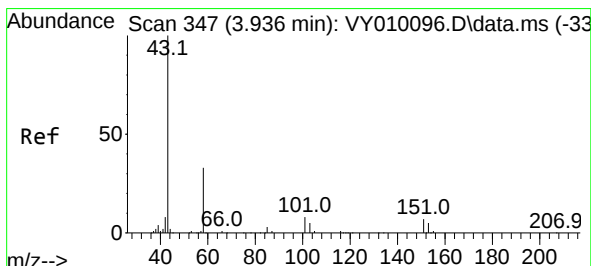
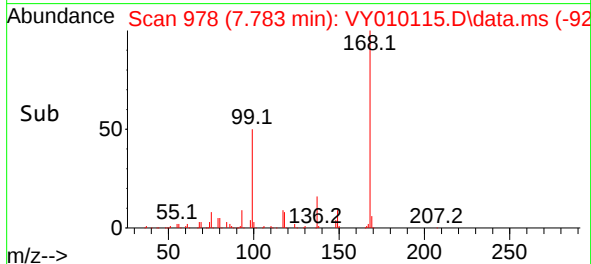
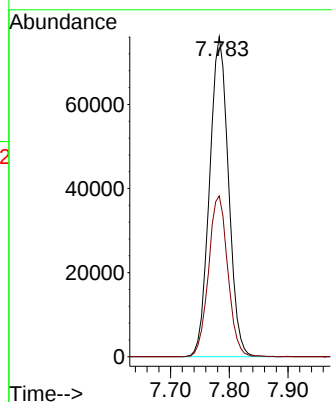
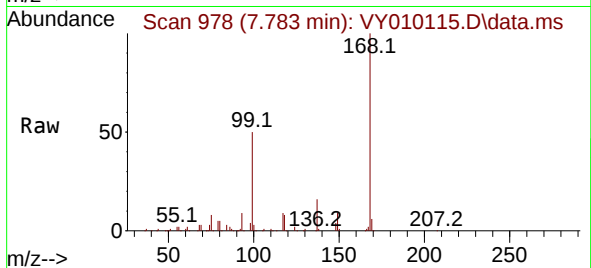




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010115.D  
Acq: 19 Aug 2022 19:50

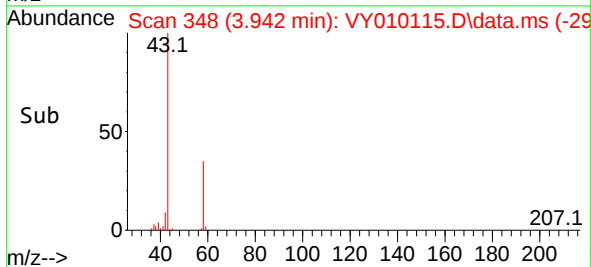
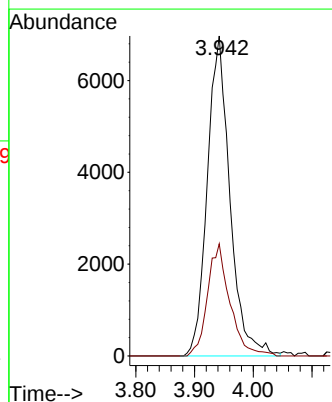
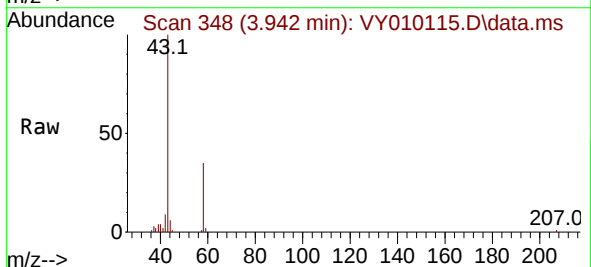
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP2-0815

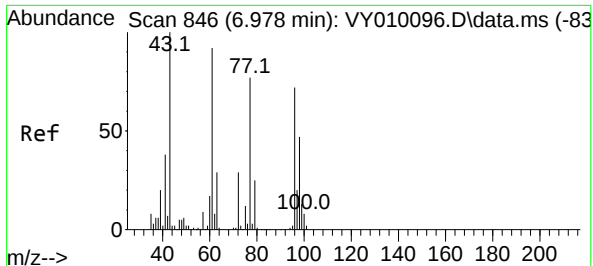
Tgt Ion:168 Resp: 170527  
Ion Ratio Lower Upper  
168 100  
99 50.2 40.7 61.1



#16  
Acetone  
Concen: 53.394 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.006 min  
Lab File: VY010115.D  
Acq: 19 Aug 2022 19:50

Tgt Ion: 43 Resp: 18666  
Ion Ratio Lower Upper  
43 100  
58 35.0 27.4 41.0





#25

2-Butanone

Concen: 12.135 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY010115.D

Acq: 19 Aug 2022 19:50

Instrument :

MSVOA\_Y

ClientSampleId :

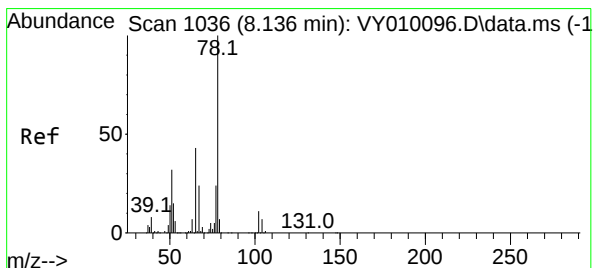
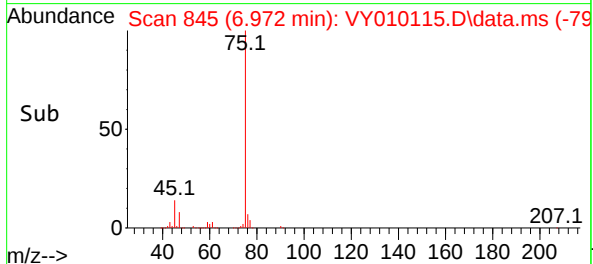
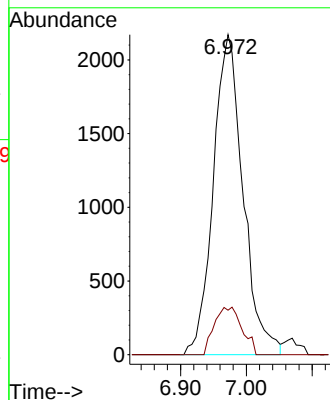
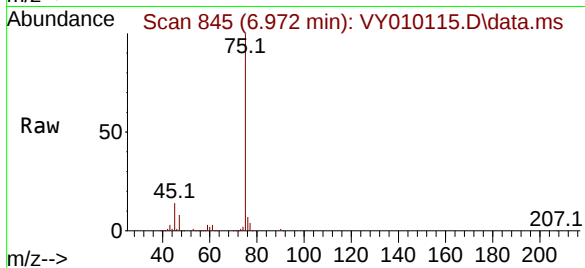
TP2-0815

Tgt Ion: 43 Resp: 6824

Ion Ratio Lower Upper

43 100

72 13.9 23.2 34.8#



#33

1,2-Dichloroethane-d4

Concen: 67.858 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY010115.D

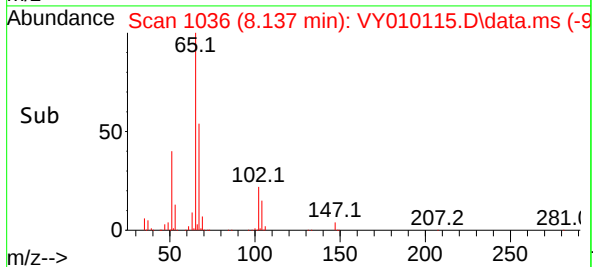
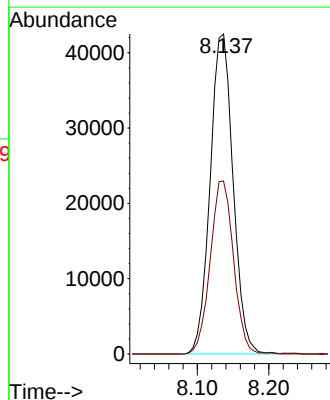
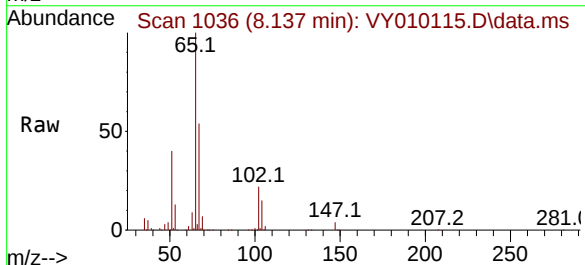
Acq: 19 Aug 2022 19:50

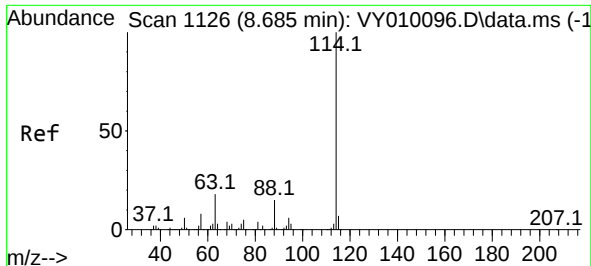
Tgt Ion: 65 Resp: 94783

Ion Ratio Lower Upper

65 100

67 54.9 0.0 110.6

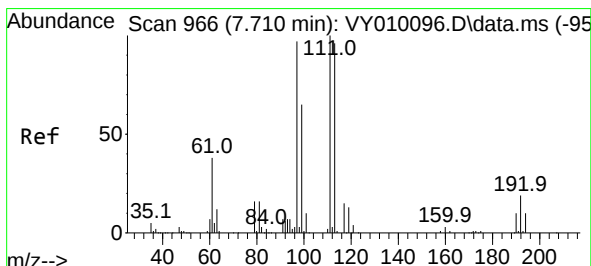
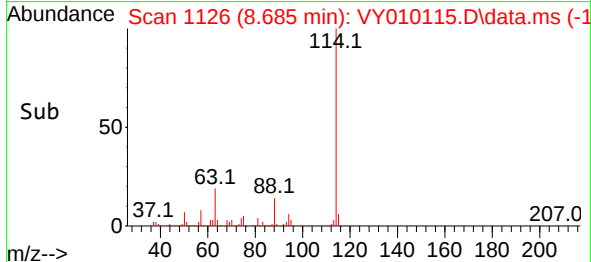
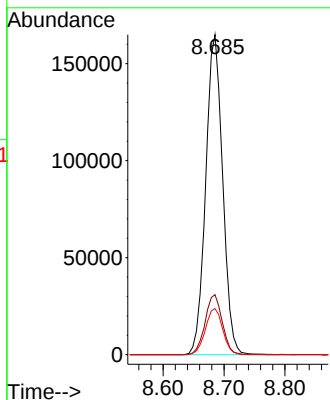
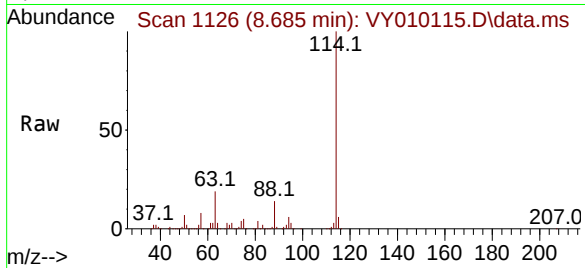




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY010115.D  
Acq: 19 Aug 2022 19:50

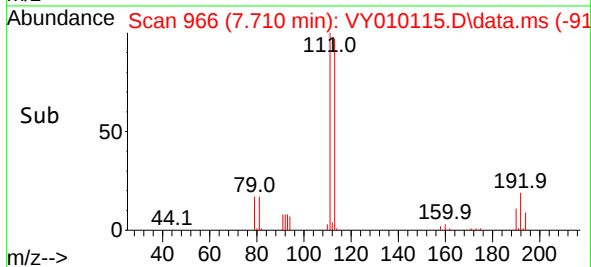
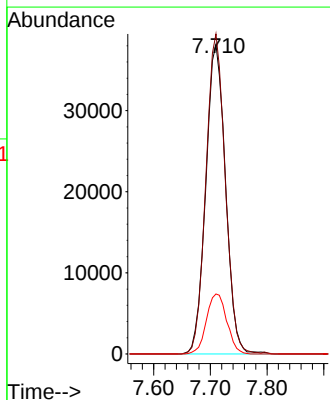
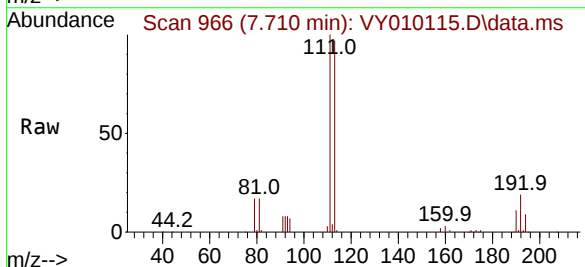
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TP2-0815

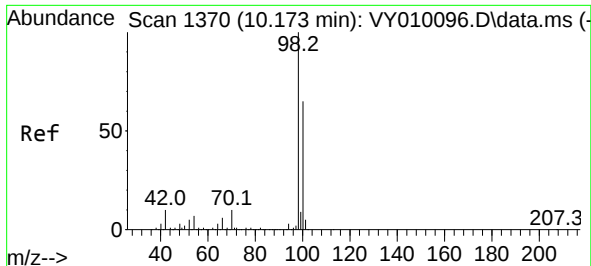
Tgt Ion:114 Resp: 318875  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 35.6  
88 14.4 0.0 29.6



#35  
Dibromofluoromethane  
Concen: 51.348 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.000 min  
Lab File: VY010115.D  
Acq: 19 Aug 2022 19:50

Tgt Ion:113 Resp: 92262  
Ion Ratio Lower Upper  
113 100  
111 101.1 82.8 124.2  
192 20.0 16.3 24.5

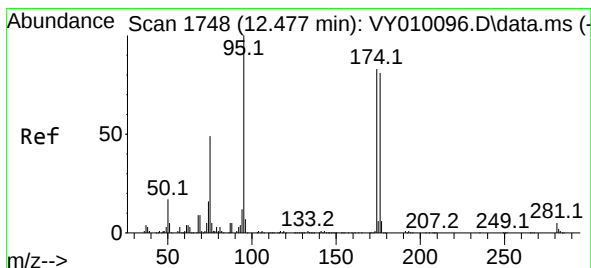
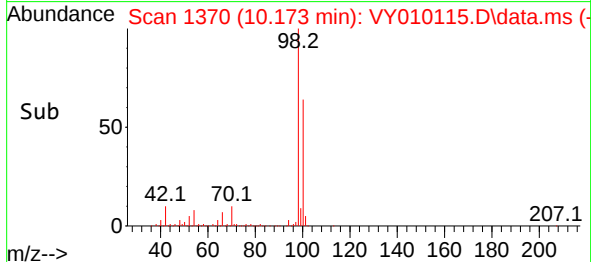
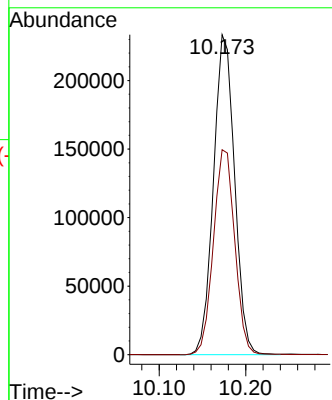
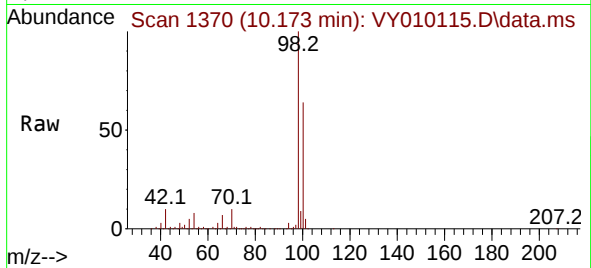




#50  
Toluene-d8  
Concen: 58.708 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. -0.000 min  
Lab File: VY010115.D  
Acq: 19 Aug 2022 19:50

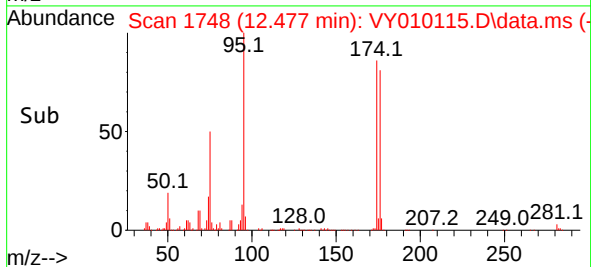
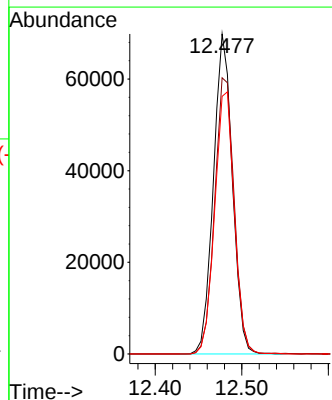
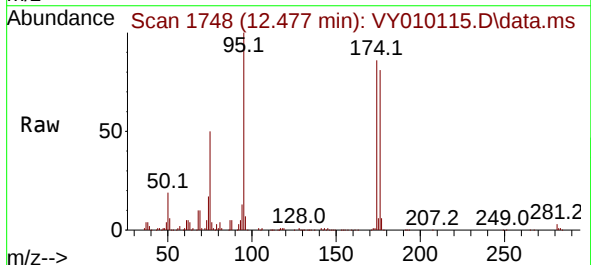
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ClientSampleId :  
TP2-0815

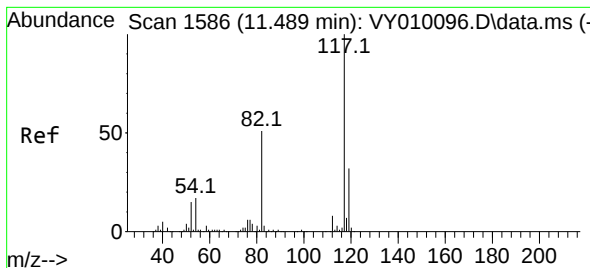
Tgt Ion: 98 Resp: 395264  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 44.155 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY010115.D  
Acq: 19 Aug 2022 19:50

Tgt Ion: 95 Resp: 106219  
Ion Ratio Lower Upper  
95 100  
174 89.3 0.0 173.8  
176 84.9 0.0 167.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY010115.D

Acq: 19 Aug 2022 19:50

Instrument :

MSVOA\_Y

ClientSampleId :

TP2-0815

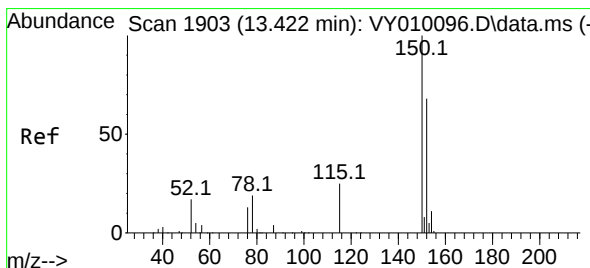
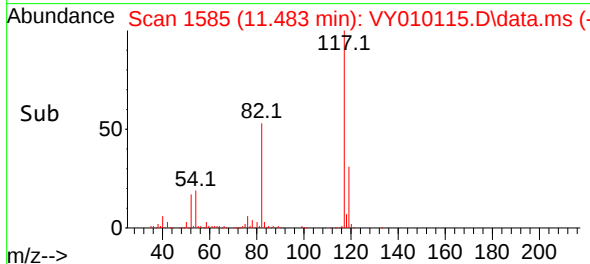
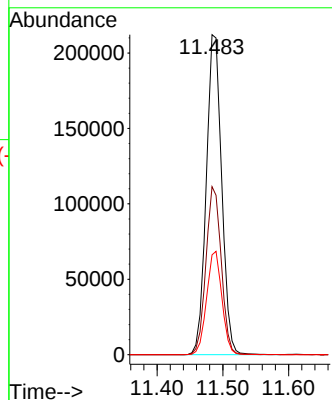
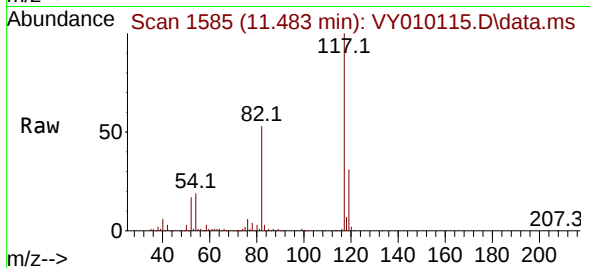
Tgt Ion:117 Resp: 345888

Ion Ratio Lower Upper

117 100

82 52.5 40.6 61.0

119 31.2 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY010115.D

Acq: 19 Aug 2022 19:50

Tgt Ion:152 Resp: 144225

Ion Ratio Lower Upper

152 100

115 56.3 28.1 84.2

150 158.3 0.0 346.2

