

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100522\  
 Data File : VY010825.D  
 Acq On : 05 Oct 2022 17:09  
 Operator : KP/MD  
 Sample : N5004-05  
 Misc : 6.57g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 D22010-18

Quant Time: Oct 06 09:22:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100322S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 04 07:26:22 2022  
 Response via : Initial Calibration

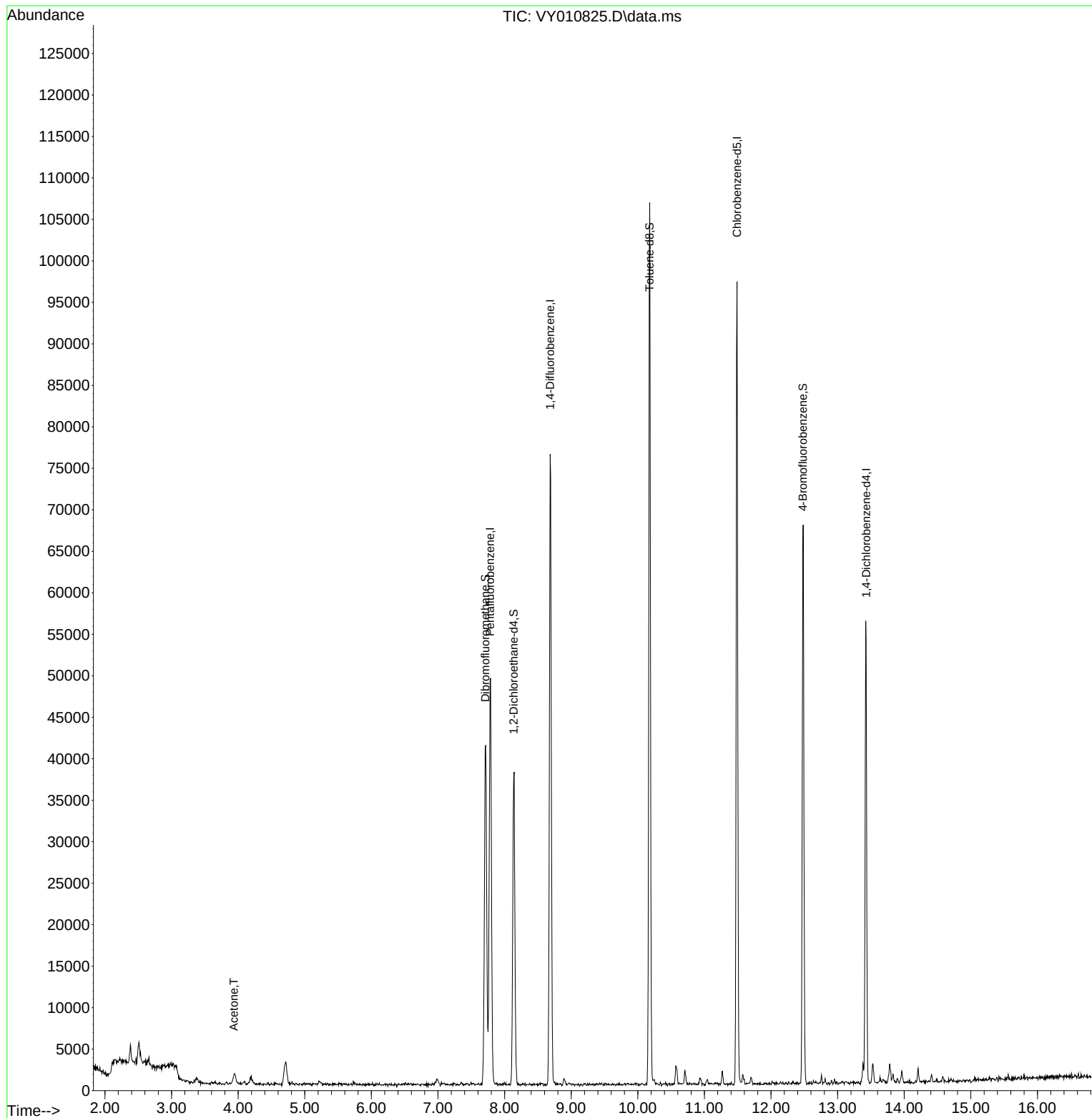
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Pentafluorobenzene       | 7.783  | 168   | 39261    | 50.000   | ug/l  | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 66291    | 50.000   | ug/l  | 0.00        |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 53259    | 50.000   | ug/l  | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 14988    | 50.000   | ug/l  | 0.00        |
| System Monitoring Compounds |        |       |          |          |       |             |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 29347    | 73.744   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 147.480%    |
| 35) Dibromofluoromethane    | 7.710  | 113   | 29519    | 67.082   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 134.160%    |
| 50) Toluene-d8              | 10.179 | 98    | 71778    | 47.696   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 95.400%     |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 19375    | 31.600   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 63.200%     |
| Target Compounds            |        |       |          |          |       |             |
| 16) Acetone                 | 3.936  | 43    | 2250     | 22.261   | ug/l  | Qvalue # 89 |
| -----                       |        |       |          |          |       |             |

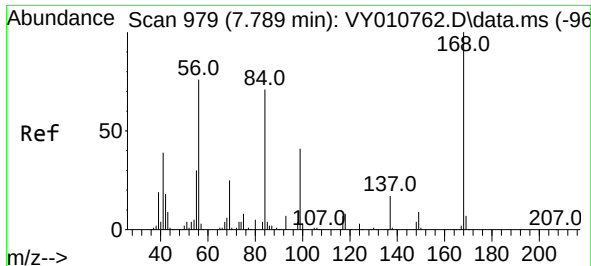
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Oct 04 07:26:22 2022  
Response via : Initial Calibration

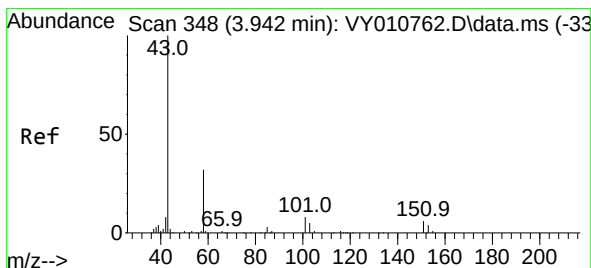
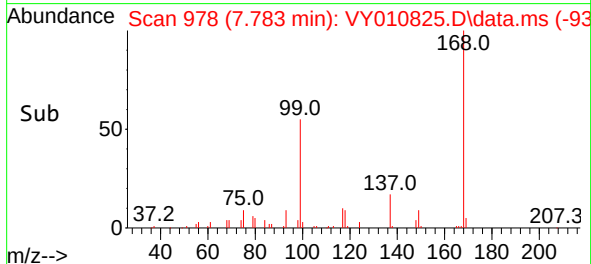
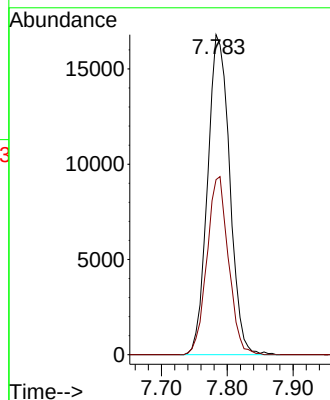
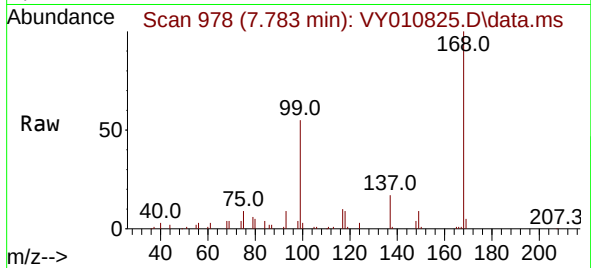




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY010825.D  
Acq: 05 Oct 2022 17:09

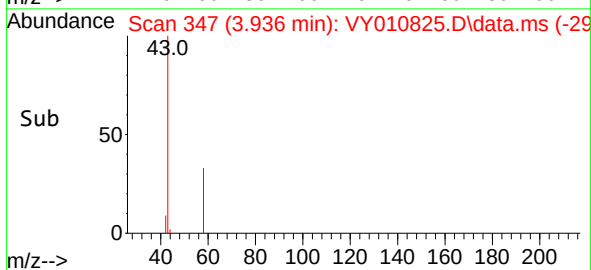
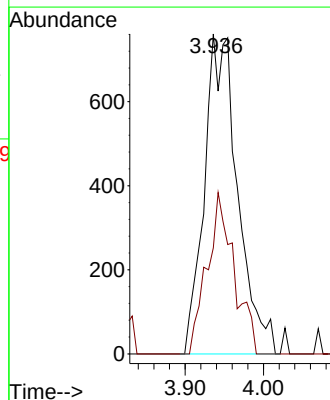
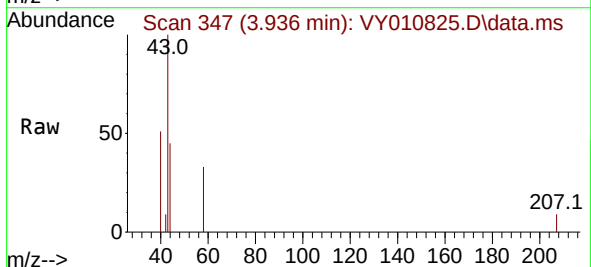
Instrument :  
MSVOA\_Y  
ClientSampleId :  
D22010-18

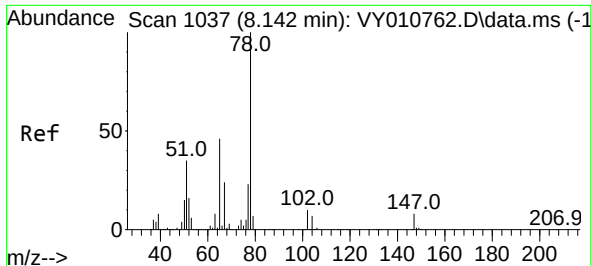
Tgt Ion:168 Resp: 39261  
Ion Ratio Lower Upper  
168 100  
99 54.7 46.9 70.3



#16  
Acetone  
Concen: 22.261 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.006 min  
Lab File: VY010825.D  
Acq: 05 Oct 2022 17:09

Tgt Ion: 43 Resp: 2250  
Ion Ratio Lower Upper  
43 100  
58 33.1 22.0 33.0#





#33

1,2-Dichloroethane-d4

Concen: 73.744 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY010825.D

Acq: 05 Oct 2022 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

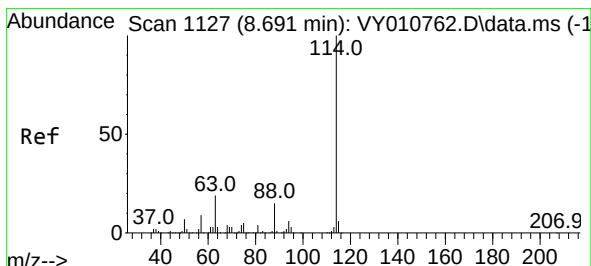
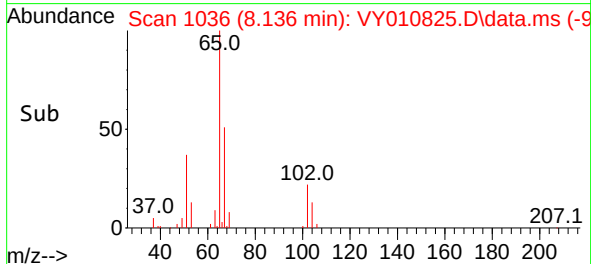
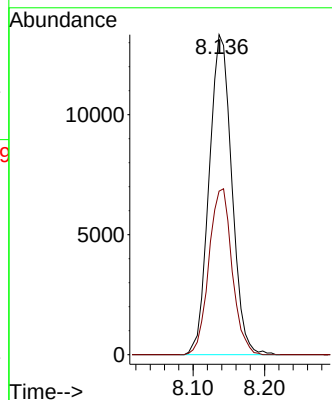
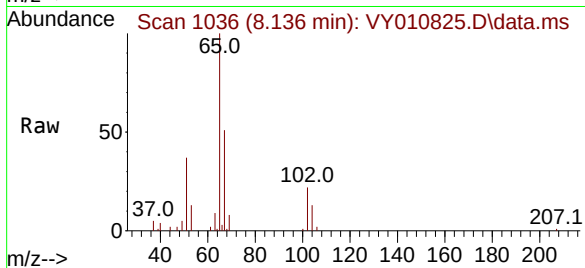
D22010-18

Tgt Ion: 65 Resp: 29347

Ion Ratio Lower Upper

65 100

67 53.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010825.D

Acq: 05 Oct 2022 17:09

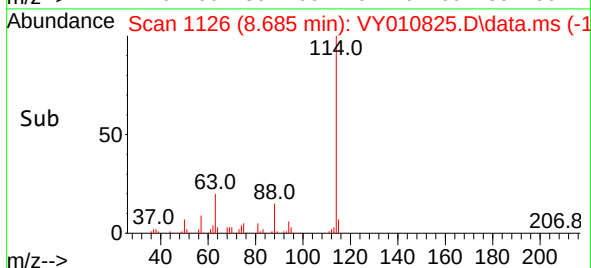
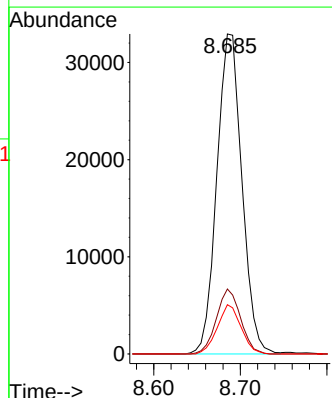
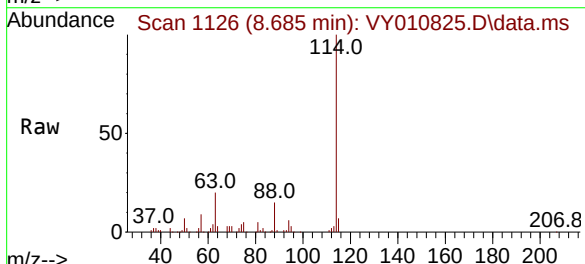
Tgt Ion: 114 Resp: 66291

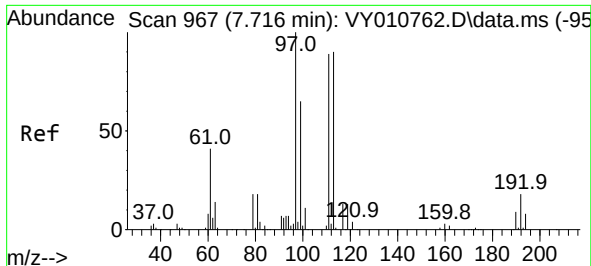
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

88 15.4 0.0 31.8

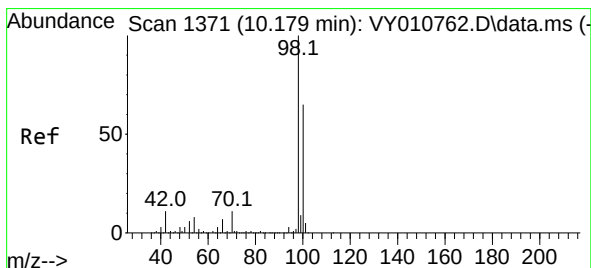
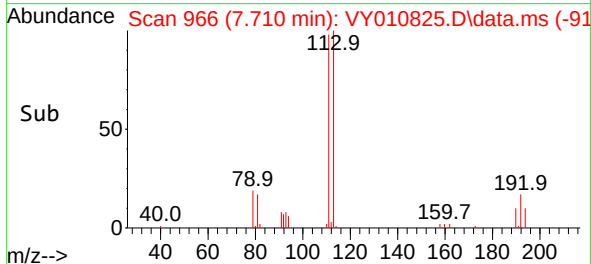
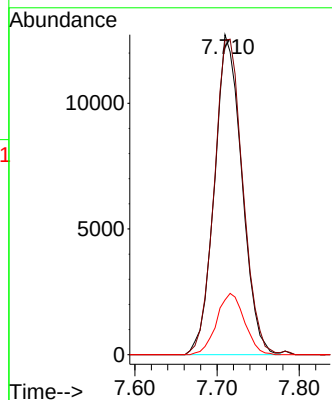
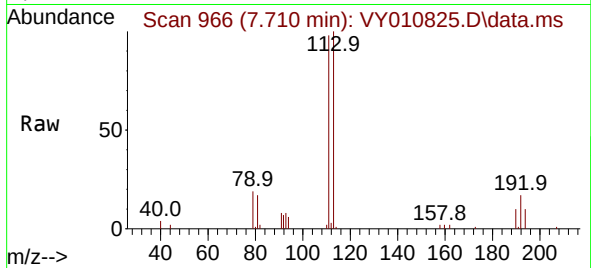




#35  
Dibromofluoromethane  
Concen: 67.082 ug/l  
RT: 7.710 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY010825.D  
Acq: 05 Oct 2022 17:09

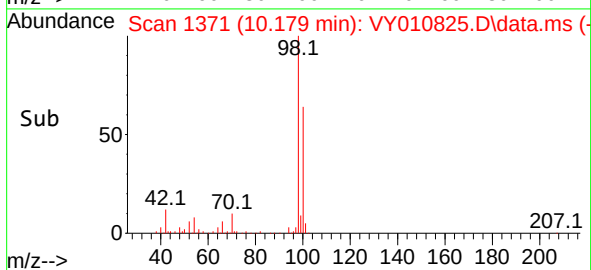
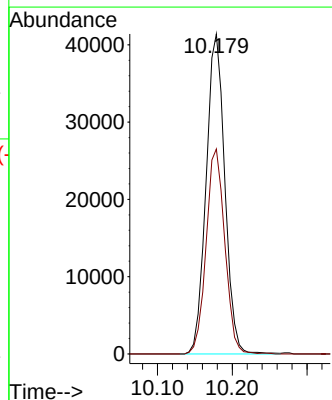
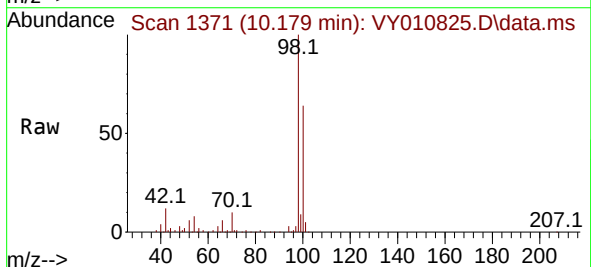
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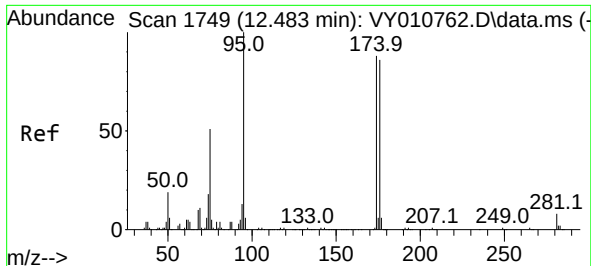
Tgt Ion:113 Resp: 29519  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.6 124.0  
192 19.3 17.6 26.4



#50  
Toluene-d8  
Concen: 47.696 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY010825.D  
Acq: 05 Oct 2022 17:09

Tgt Ion: 98 Resp: 71778  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.2 75.2

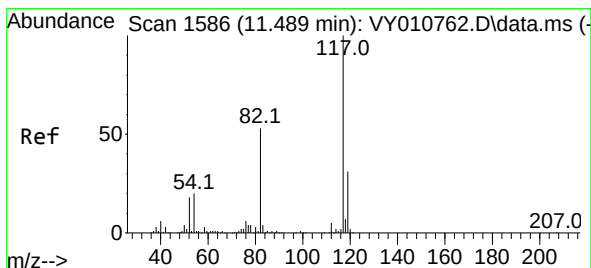
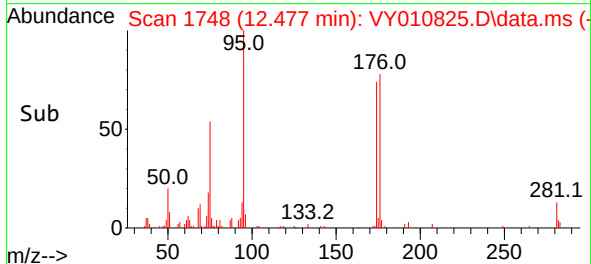
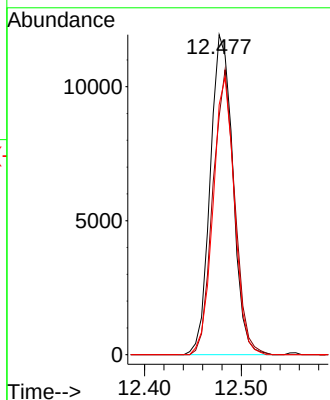
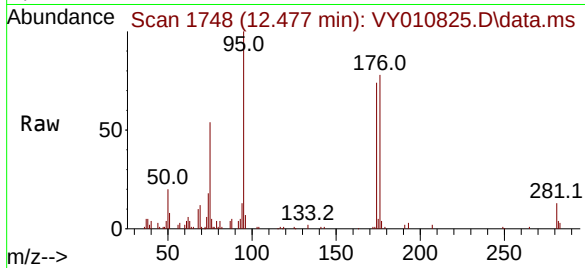




#62  
4-Bromofluorobenzene  
Concen: 31.600 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY010825.D  
Acq: 05 Oct 2022 17:09

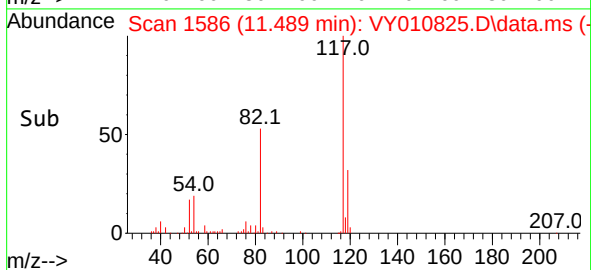
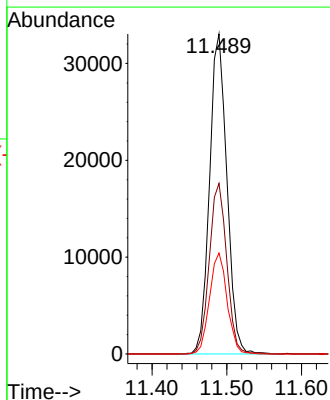
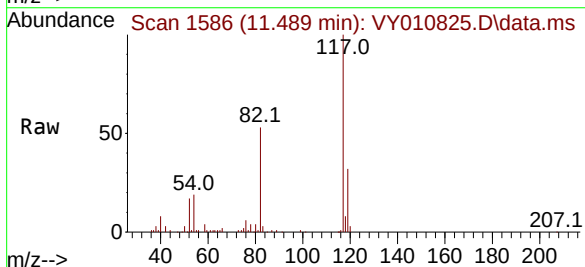
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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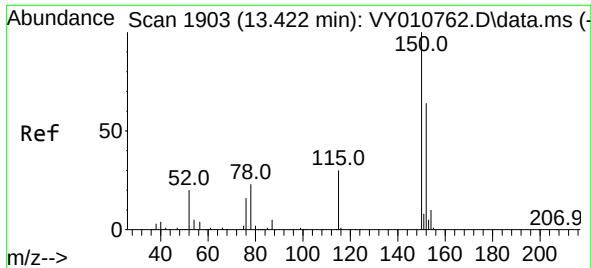
Tgt Ion: 95 Resp: 19375  
Ion Ratio Lower Upper  
95 100  
174 85.9 0.0 177.0  
176 82.0 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY010825.D  
Acq: 05 Oct 2022 17:09

Tgt Ion: 117 Resp: 53259  
Ion Ratio Lower Upper  
117 100  
82 53.3 43.0 64.4  
119 31.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY010825.D

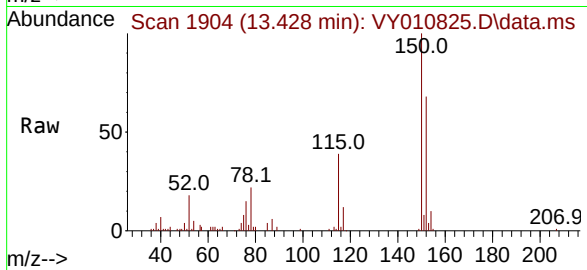
Acq: 05 Oct 2022 17:09

Instrument :

MSVOA\_Y

ClientSampleId :

D22010-18



Tgt Ion:152 Resp: 14988

Ion Ratio Lower Upper

152 100

115 60.0 28.2 84.7

150 157.5 0.0 347.6

