

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110222\  
 Data File : VY011260.D  
 Acq On : 02 Nov 2022 14:18  
 Operator : KP/MD  
 Sample : N5395-03  
 Misc : 5.85g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S-11-103122

Quant Time: Nov 03 05:15:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 01 11:56:18 2022  
 Response via : Initial Calibration

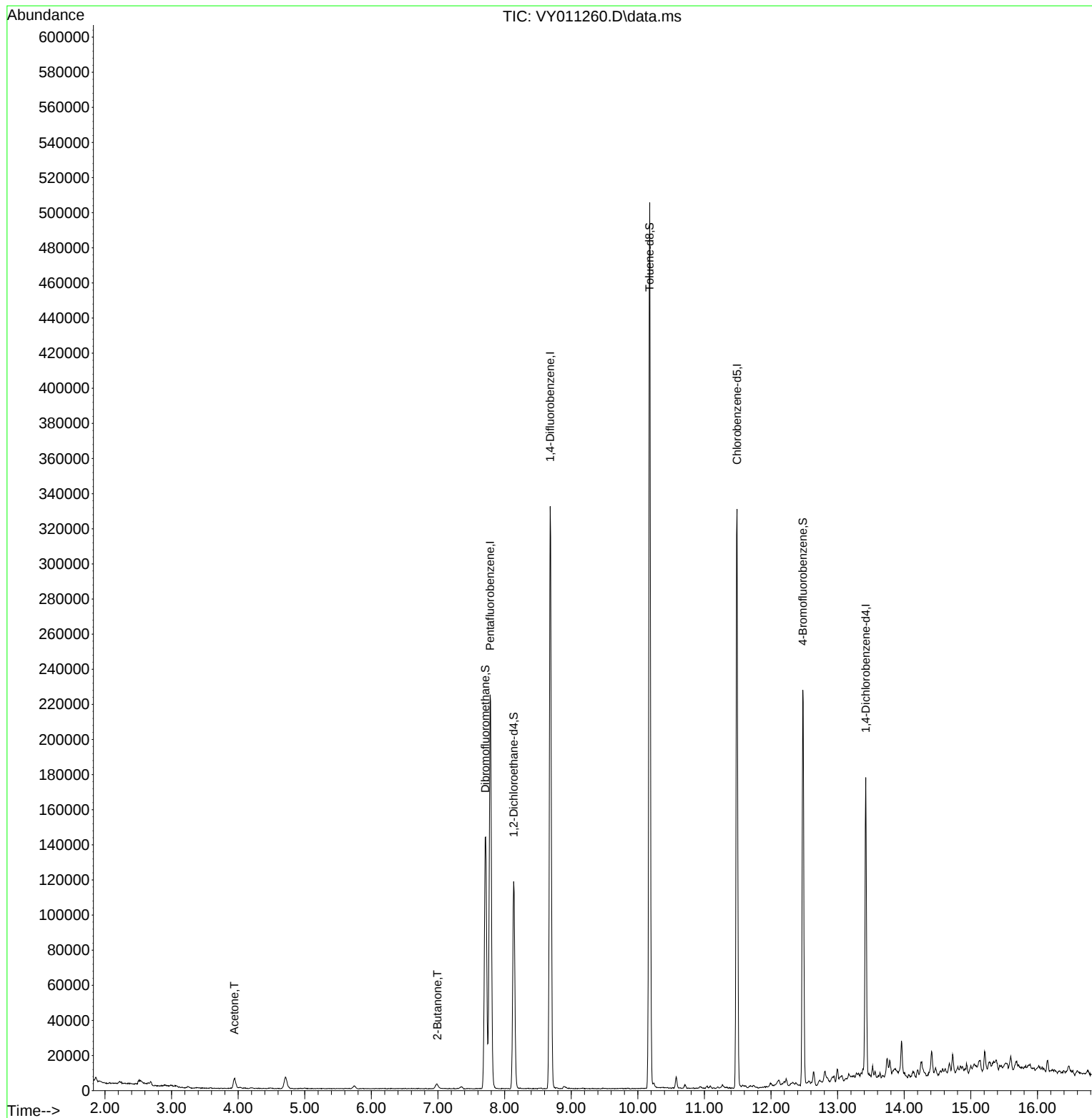
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 178328   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 293483   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 191311   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 44728    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 91974    | 48.224   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 96.440%  |
| 35) Dibromofluoromethane    | 7.710  | 113   | 108546   | 57.565   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 115.140% |
| 50) Toluene-d8              | 10.179 | 98    | 334591   | 45.702   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 91.400%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 67279    | 26.471   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 52.940%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.942  | 43    | 9919     | 17.229   | ug/l # | 89       |
| 25) 2-Butanone              | 6.990  | 43    | 3201     | 3.952    | ug/l # | 83       |
| -----                       |        |       |          |          |        |          |

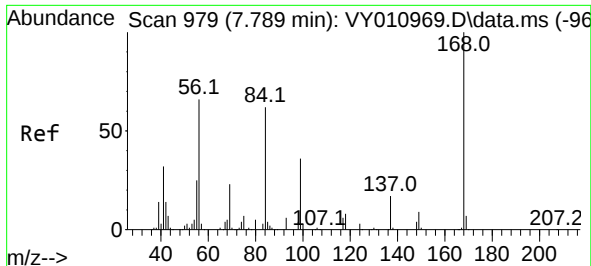
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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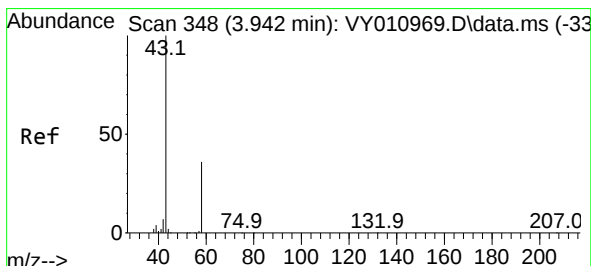
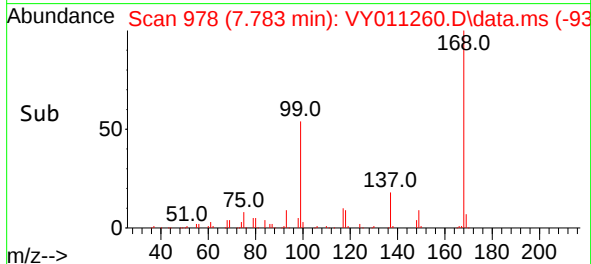
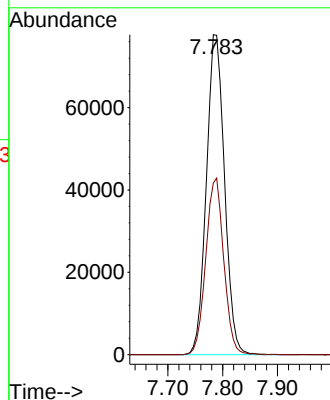
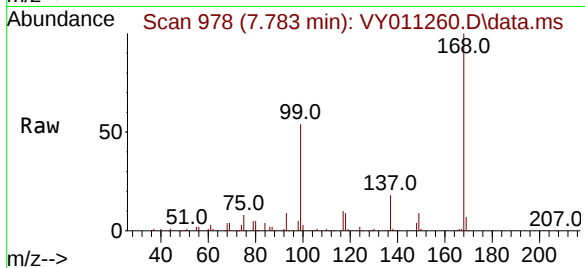




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011260.D  
Acq: 02 Nov 2022 14:18

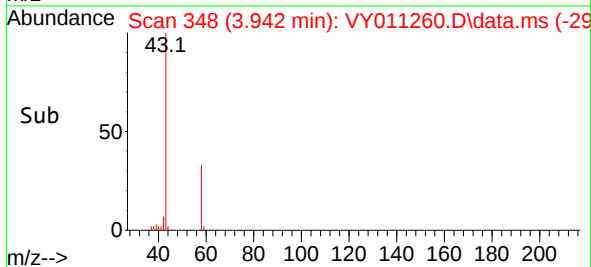
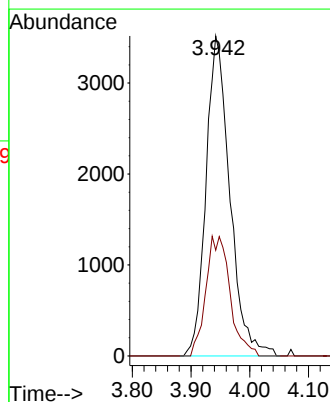
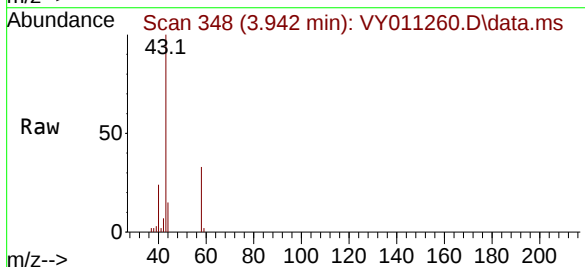
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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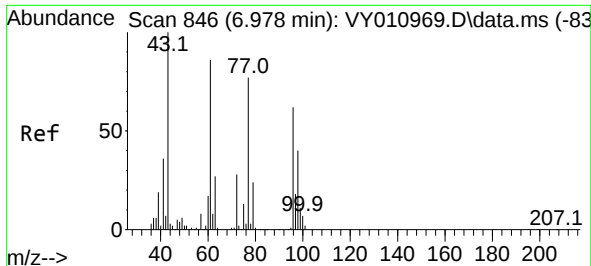
Tgt Ion:168 Resp: 178328  
Ion Ratio Lower Upper  
168 100  
99 53.6 46.9 70.3



#16  
Acetone  
Concen: 17.229 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY011260.D  
Acq: 02 Nov 2022 14:18

Tgt Ion: 43 Resp: 9919  
Ion Ratio Lower Upper  
43 100  
58 33.0 22.0 33.0#

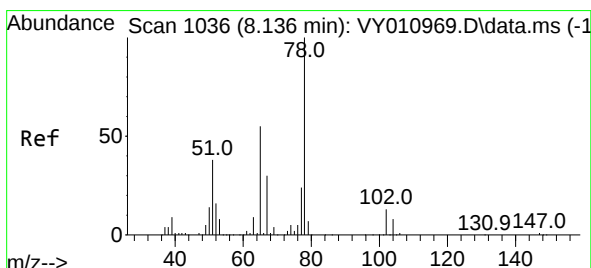
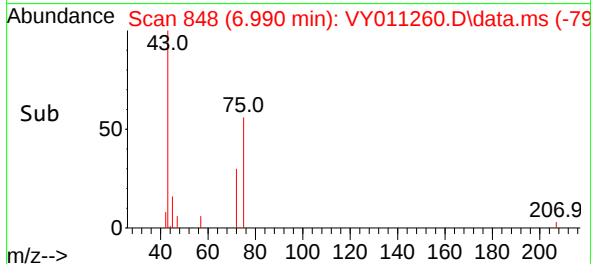
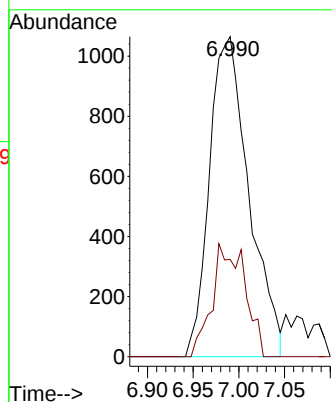
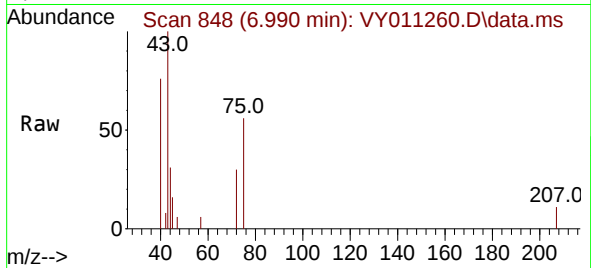




#25  
2-Butanone  
Concen: 3.952 ug/l  
RT: 6.990 min Scan# 846  
Delta R.T. 0.012 min  
Lab File: VY011260.D  
Acq: 02 Nov 2022 14:18

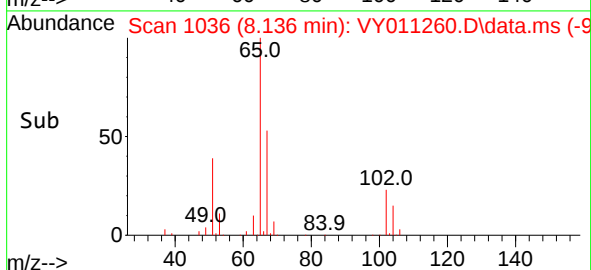
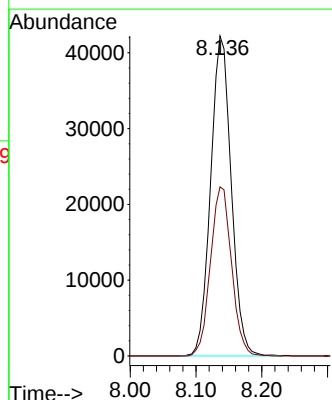
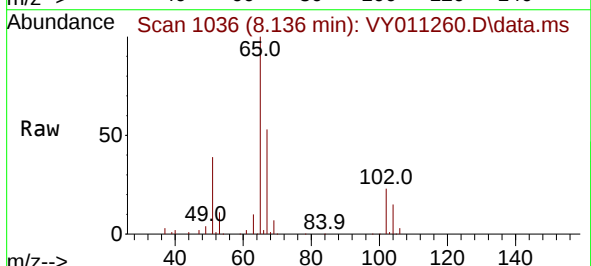
Instrument :  
MSVOA\_Y  
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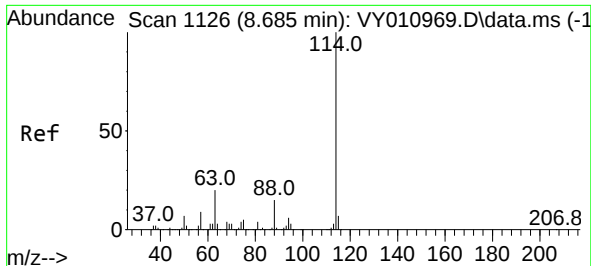
Tgt Ion: 43 Resp: 3201  
Ion Ratio Lower Upper  
43 100  
72 30.4 17.7 26.5#



#33  
1,2-Dichloroethane-d4  
Concen: 48.224 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY011260.D  
Acq: 02 Nov 2022 14:18

Tgt Ion: 65 Resp: 91974  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011260.D

Acq: 02 Nov 2022 14:18

Instrument :

MSVOA\_Y

ClientSampleId :

S-11-103122

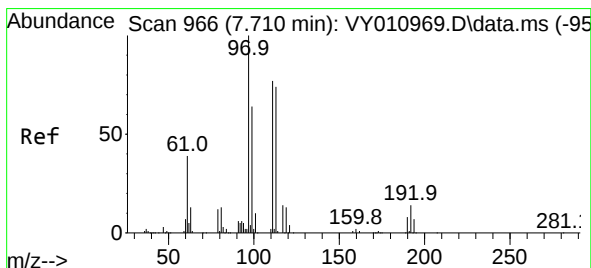
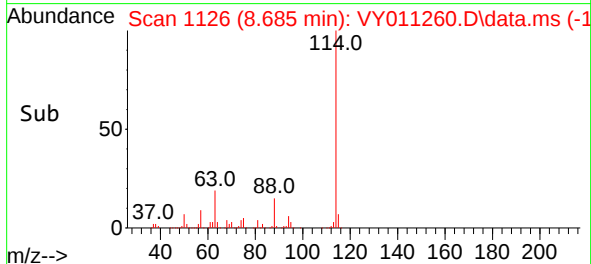
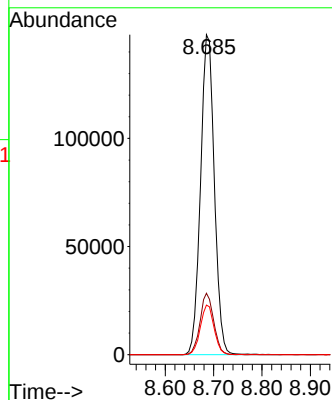
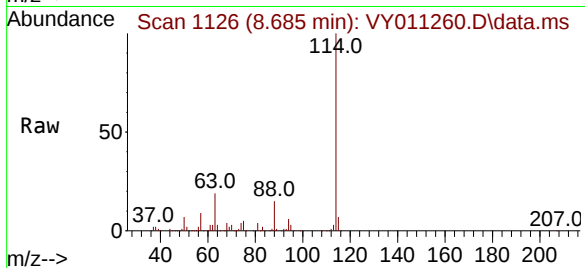
Tgt Ion:114 Resp: 293483

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 57.565 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY011260.D

Acq: 02 Nov 2022 14:18

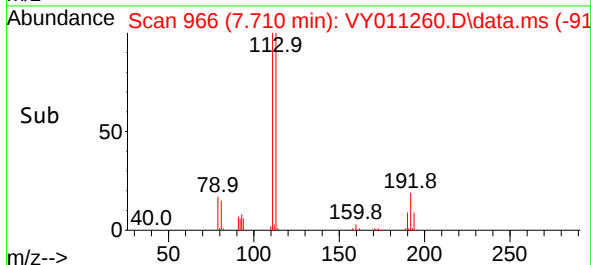
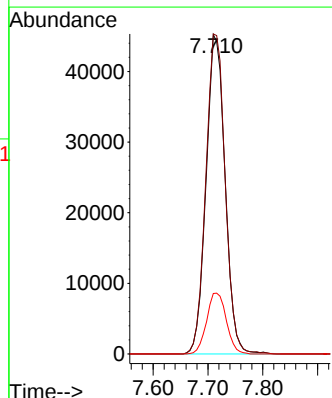
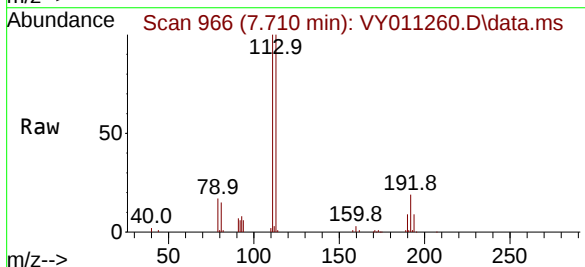
Tgt Ion:113 Resp: 108546

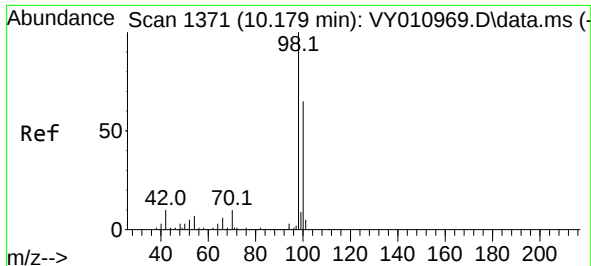
Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 19.8 17.6 26.4

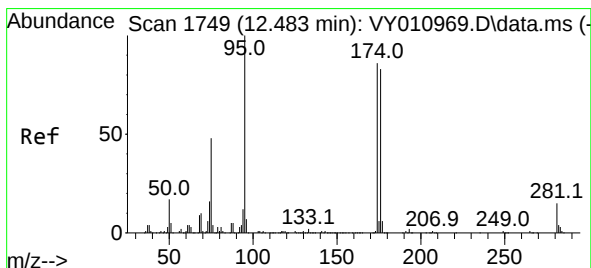
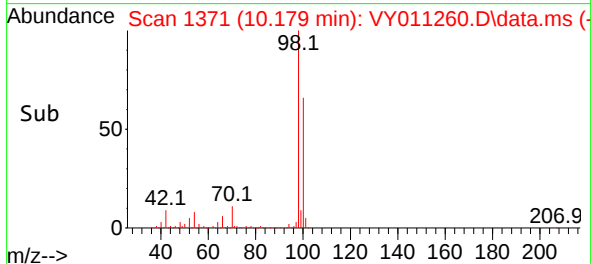
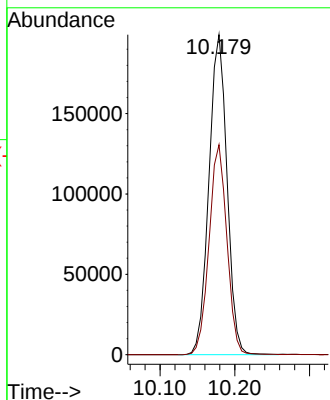
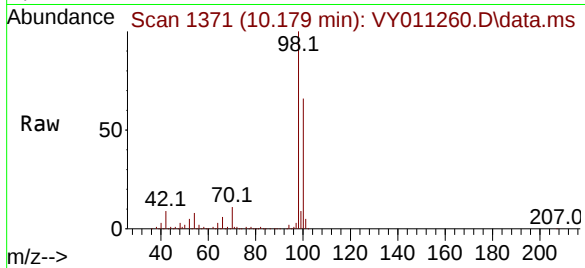




#50  
Toluene-d8  
Concen: 45.702 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011260.D  
Acq: 02 Nov 2022 14:18

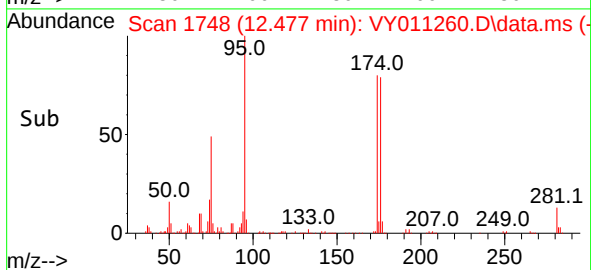
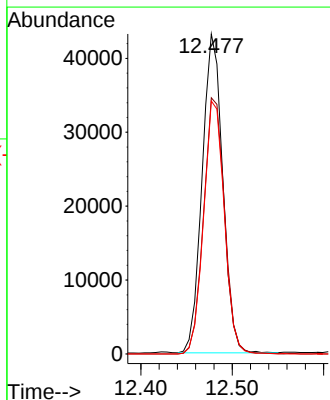
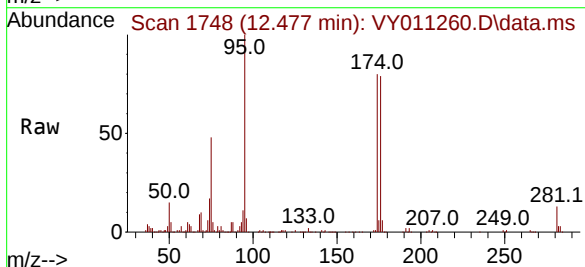
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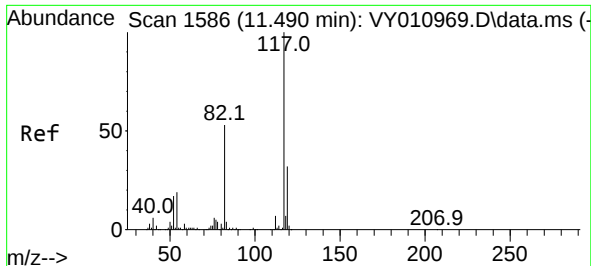
Tgt Ion: 98 Resp: 334591  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 26.471 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY011260.D  
Acq: 02 Nov 2022 14:18

Tgt Ion: 95 Resp: 67279  
Ion Ratio Lower Upper  
95 100  
174 82.2 0.0 177.0  
176 79.8 0.0 175.8

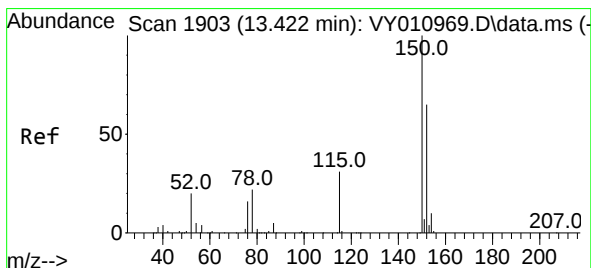
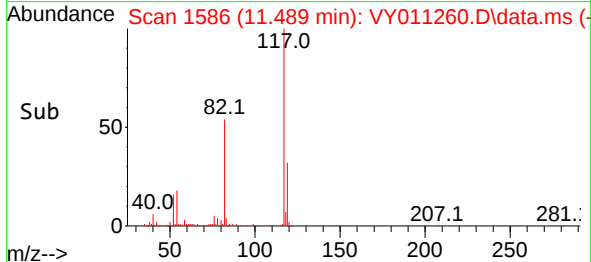
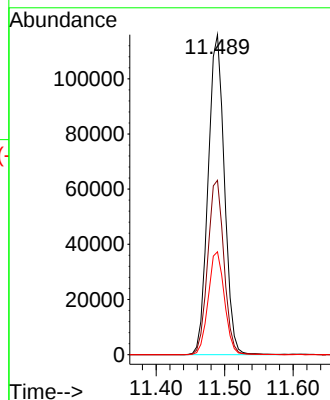
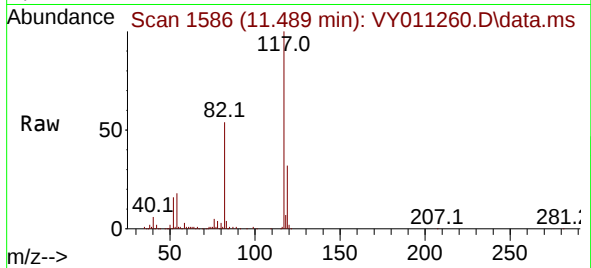




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY011260.D  
Acq: 02 Nov 2022 14:18

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-11-103122

Tgt Ion:117 Resp: 191311  
Ion Ratio Lower Upper  
117 100  
82 54.5 43.0 64.4  
119 32.1 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY011260.D  
Acq: 02 Nov 2022 14:18

Tgt Ion:152 Resp: 44728  
Ion Ratio Lower Upper  
152 100  
115 57.2 28.2 84.7  
150 157.9 0.0 347.6

