

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110222\  
 Data File : VY011268.D  
 Acq On : 02 Nov 2022 17:20  
 Operator : KP/MD  
 Sample : N5395-12  
 Misc : 5.47g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S-9-103122

Quant Time: Nov 03 05:18:32 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

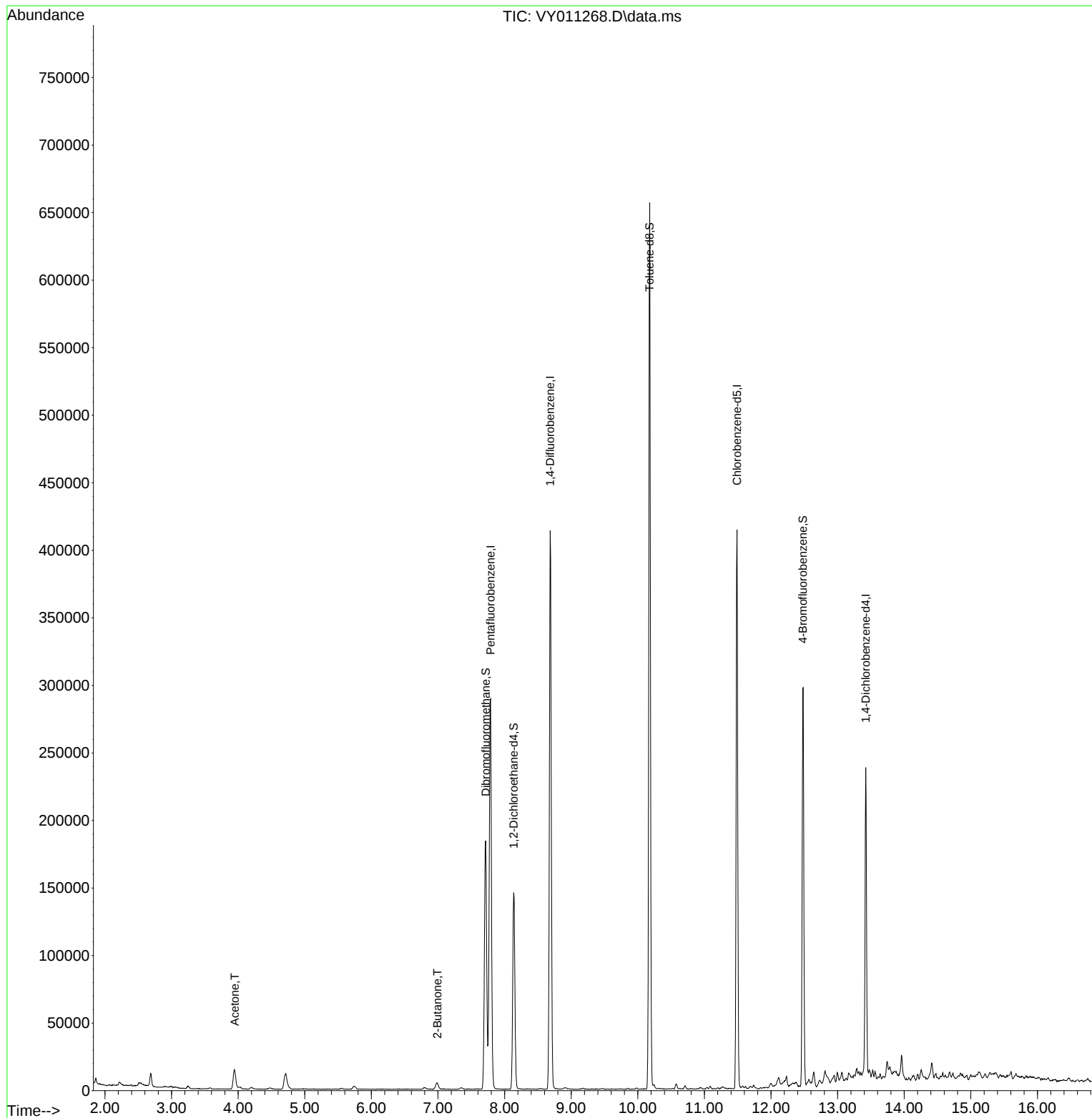
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 234067   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 363415   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 237668   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 60438    | 50.000   | ug/l   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 114066   | 45.565   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 91.140%  |
| 35) Dibromofluoromethane    | 7.715  | 113   | 134342   | 57.536   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 115.080% |
| 50) Toluene-d8              | 10.178 | 98    | 439865   | 48.520   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 97.040%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 94395    | 29.993   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 59.980%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
| 16) Acetone                 | 3.948  | 43    | 25511    | 33.760   | ug/l   | 90       |
| 25) 2-Butanone              | 6.990  | 43    | 7613     | 7.160    | ug/l # | 84       |
| -----                       |        |       |          |          |        |          |

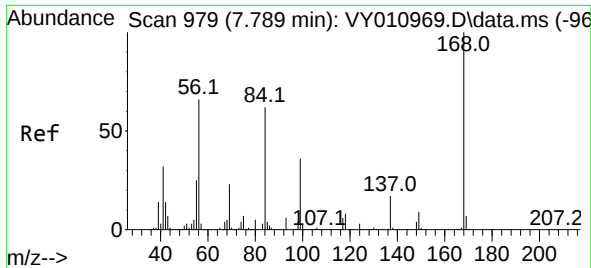
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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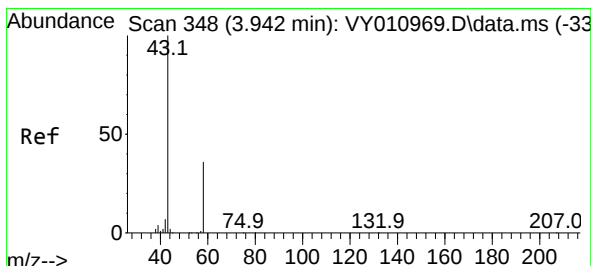
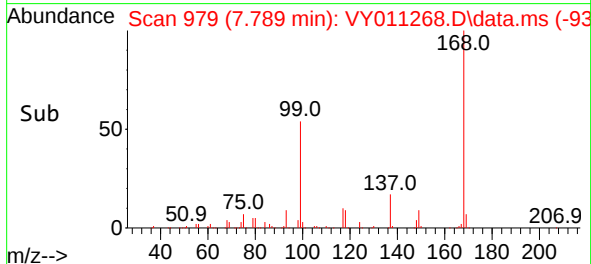
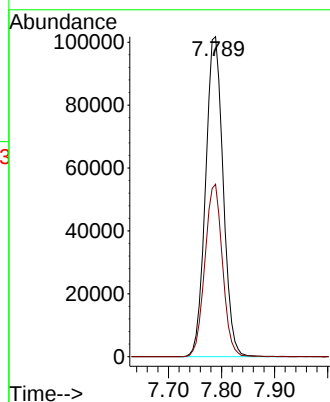
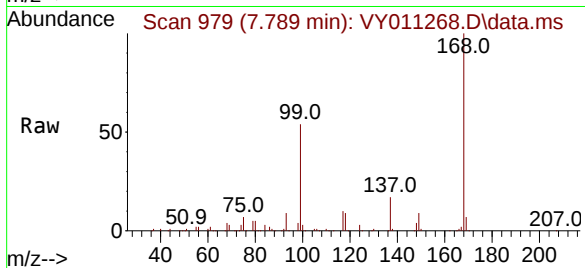




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011268.D  
Acq: 02 Nov 2022 17:20

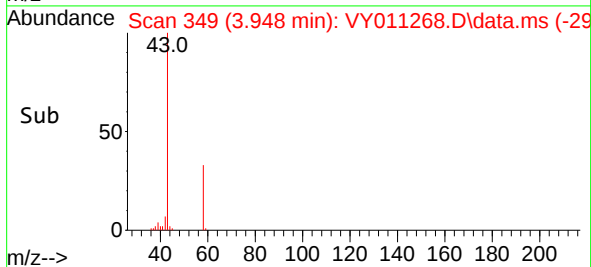
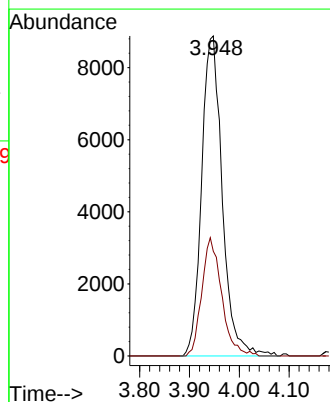
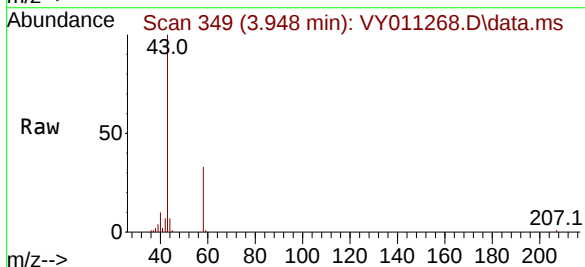
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-9-103122

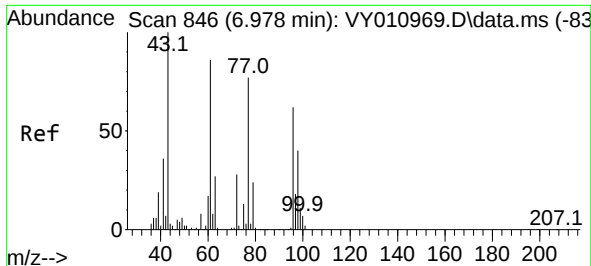
Tgt Ion:168 Resp: 234067  
Ion Ratio Lower Upper  
168 100  
99 53.9 46.9 70.3



#16  
Acetone  
Concen: 33.760 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY011268.D  
Acq: 02 Nov 2022 17:20

Tgt Ion: 43 Resp: 25511  
Ion Ratio Lower Upper  
43 100  
58 32.7 22.0 33.0





#25

2-Butanone

Concen: 7.160 ug/l

RT: 6.990 min Scan# 846

Delta R.T. 0.012 min

Lab File: VY011268.D

Acq: 02 Nov 2022 17:20

Instrument :

MSVOA\_Y

ClientSampleId :

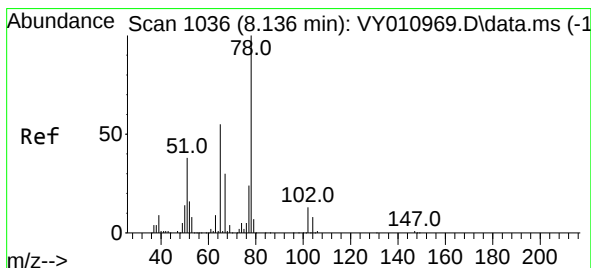
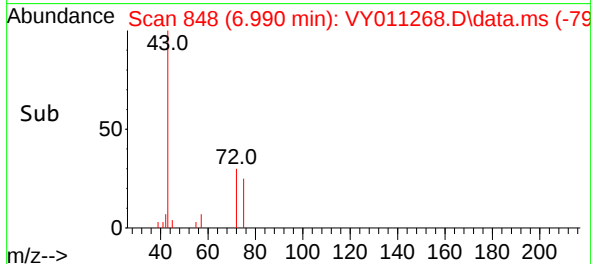
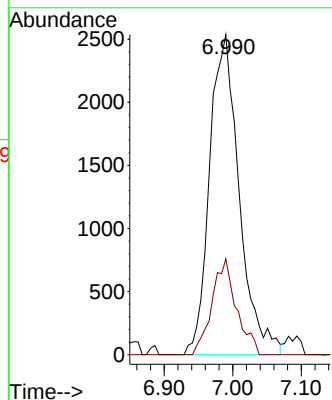
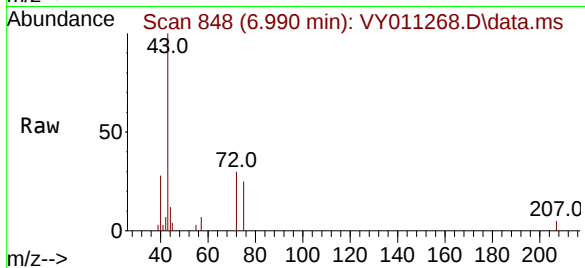
S-9-103122

Tgt Ion: 43 Resp: 7613

Ion Ratio Lower Upper

43 100

72 29.9 17.7 26.5#



#33

1,2-Dichloroethane-d4

Concen: 45.565 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011268.D

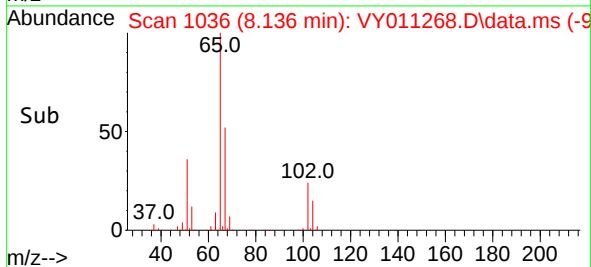
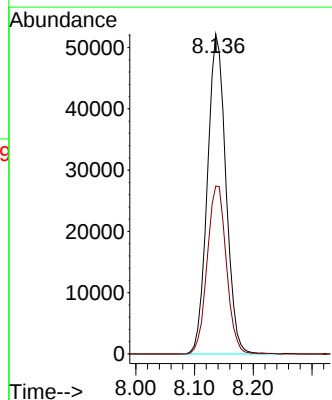
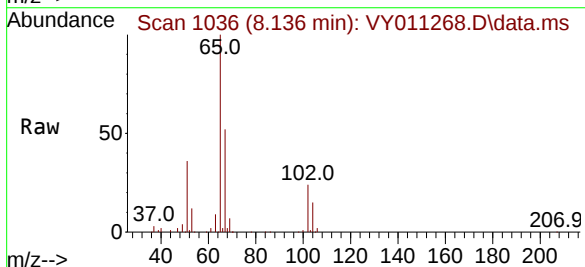
Acq: 02 Nov 2022 17:20

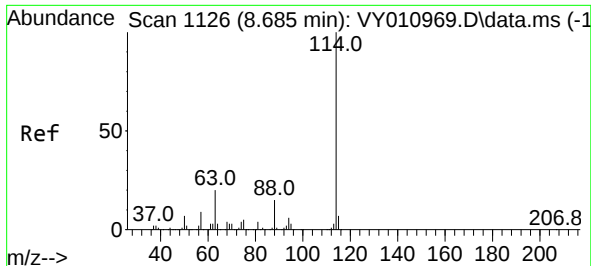
Tgt Ion: 65 Resp: 114066

Ion Ratio Lower Upper

65 100

67 54.4 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: VY011268.D

Acq: 02 Nov 2022 17:20

Instrument :

MSVOA\_Y

ClientSampleId :

S-9-103122

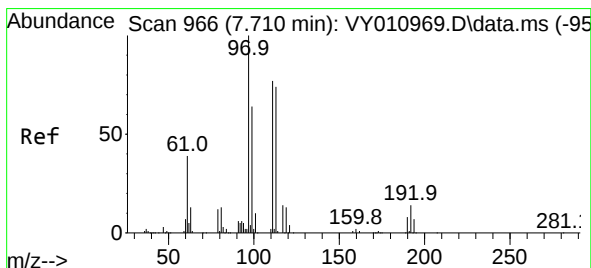
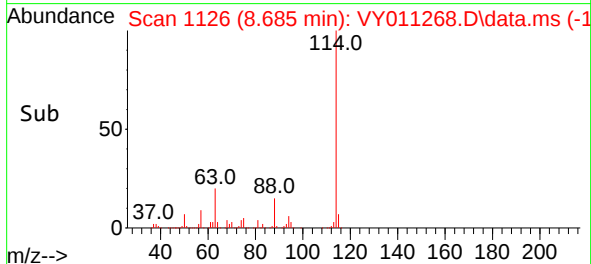
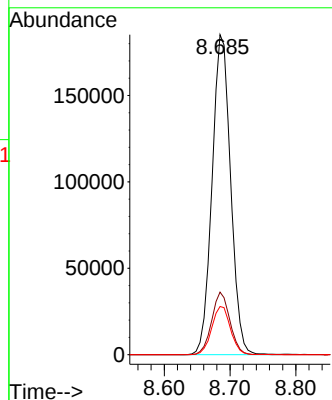
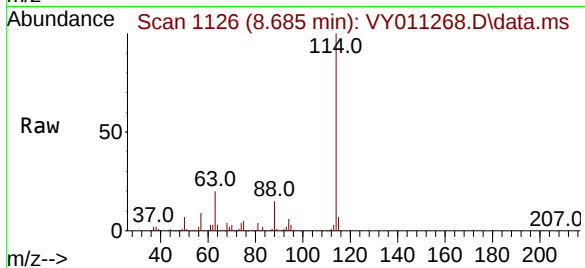
Tgt Ion:114 Resp: 363415

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 57.536 ug/l

RT: 7.715 min Scan# 967

Delta R.T. 0.005 min

Lab File: VY011268.D

Acq: 02 Nov 2022 17:20

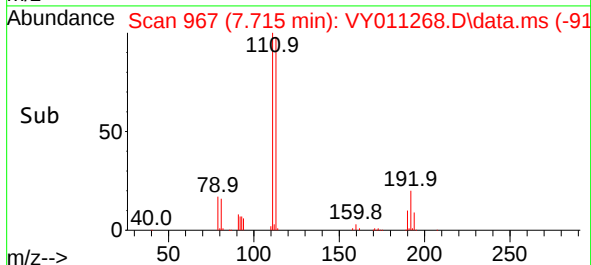
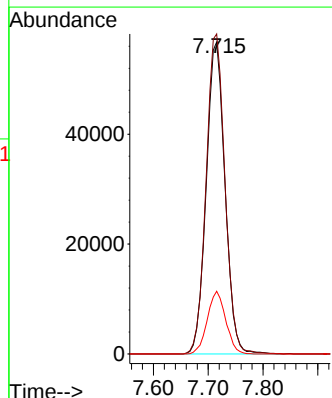
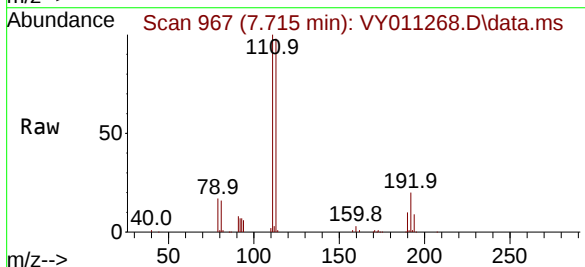
Tgt Ion:113 Resp: 134342

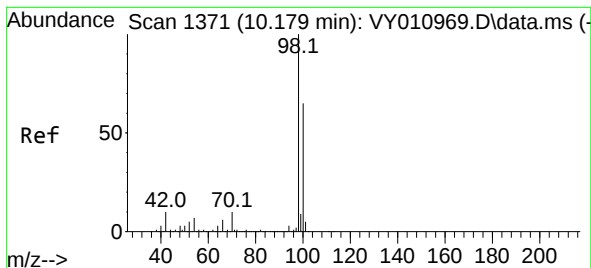
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 19.8 17.6 26.4





#50

Toluene-d8

Concen: 48.520 ug/l

RT: 10.178 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY011268.D

Acq: 02 Nov 2022 17:20

Instrument :

MSVOA\_Y

ClientSampleId :

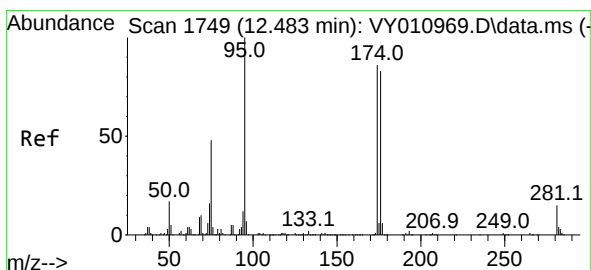
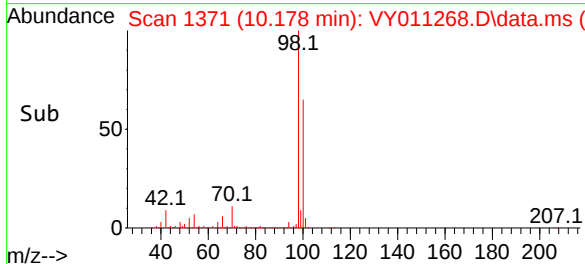
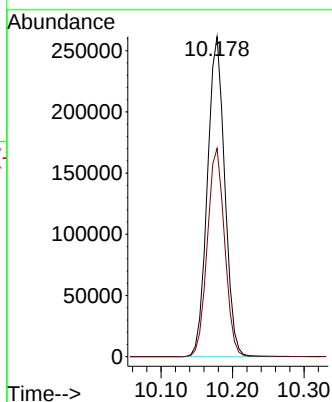
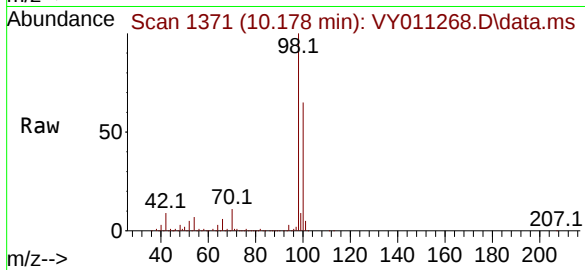
S-9-103122

Tgt Ion: 98 Resp: 439865

Ion Ratio Lower Upper

98 100

100 65.2 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 29.993 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY011268.D

Acq: 02 Nov 2022 17:20

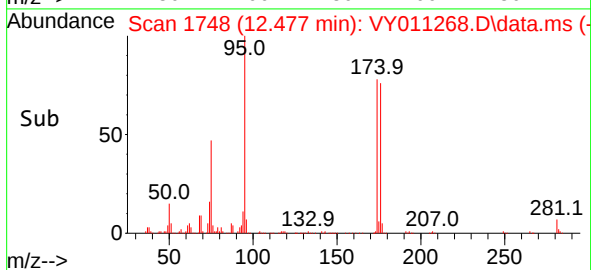
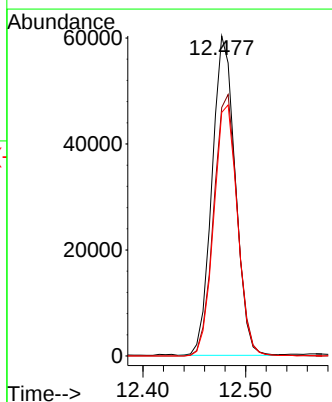
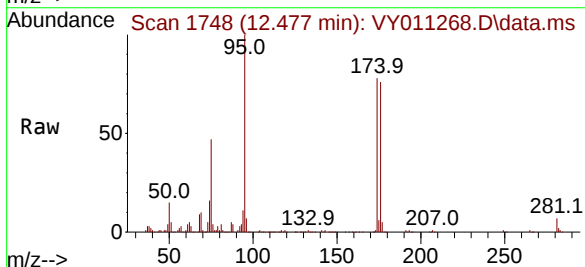
Tgt Ion: 95 Resp: 94395

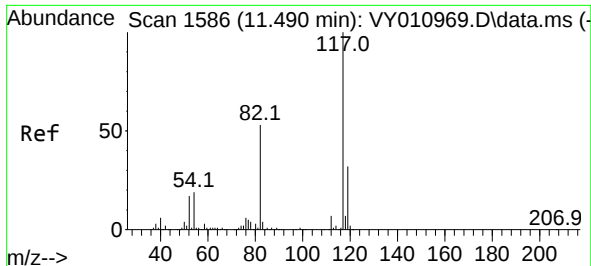
Ion Ratio Lower Upper

95 100

174 83.7 0.0 177.0

176 80.3 0.0 175.8

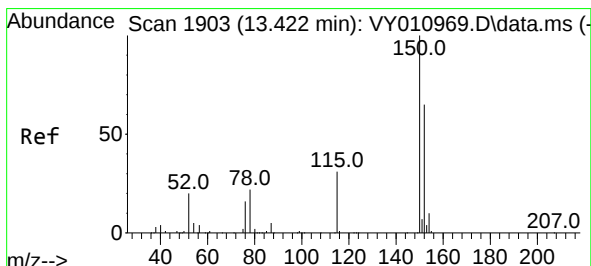
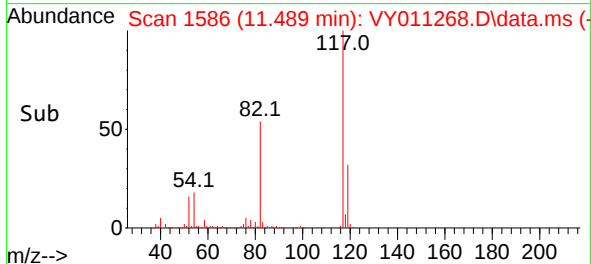
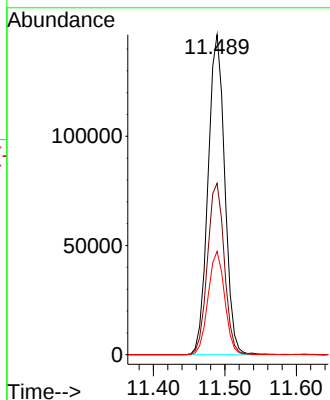
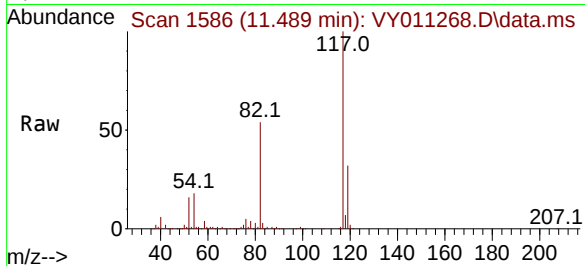




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY011268.D  
Acq: 02 Nov 2022 17:20

Instrument :  
MSVOA\_Y  
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Tgt Ion:117 Resp: 237668  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.0 64.4  
119 32.3 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: VY011268.D  
Acq: 02 Nov 2022 17:20

Tgt Ion:152 Resp: 60438  
Ion Ratio Lower Upper  
152 100  
115 58.0 28.2 84.7  
150 157.5 0.0 347.6

