

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032223\
 Data File : VY013047.D
 Acq On : 22 Mar 2023 14:21
 Operator : KP/MD
 Sample : 02033-01
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-1-032123

Quant Time: Mar 23 05:22:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

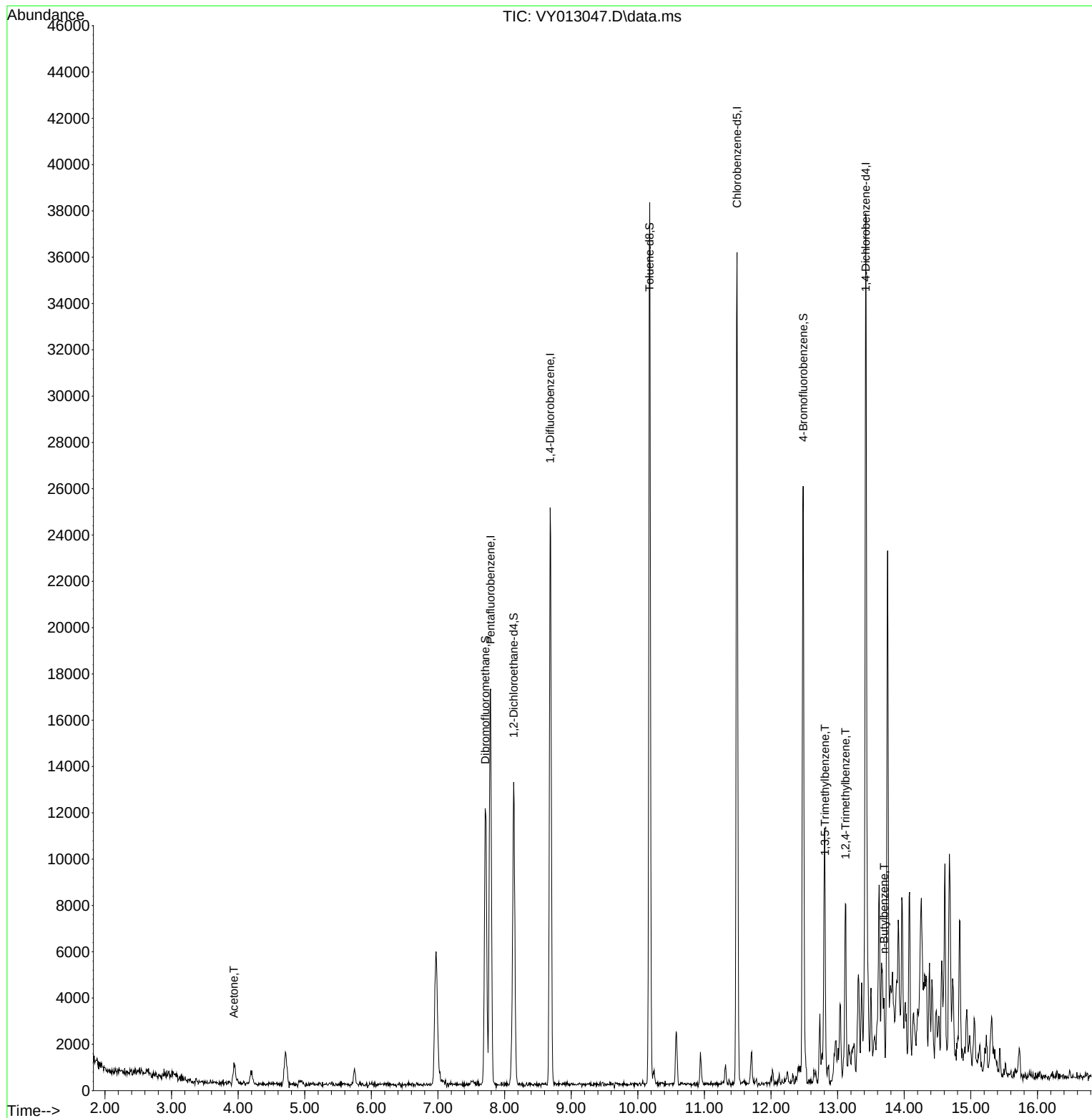
Internal Standards						
1) Pentafluorobenzene	7.789	168	13674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	21194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	19493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	8761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	9496	69.944	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	139.880%
35) Dibromofluoromethane	7.710	113	8474	66.252	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	132.500%
50) Toluene-d8	10.179	98	25635	54.823	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.640%
62) 4-Bromofluorobenzene	12.483	95	7330	46.444	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.880%
Target Compounds						
					Qvalue	
16) Acetone	3.936	43	1594	29.912	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	946	1.846	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	4011	8.005	ug/l	98
89) n-Butylbenzene	13.696	91	1073	2.033	ug/l #	72

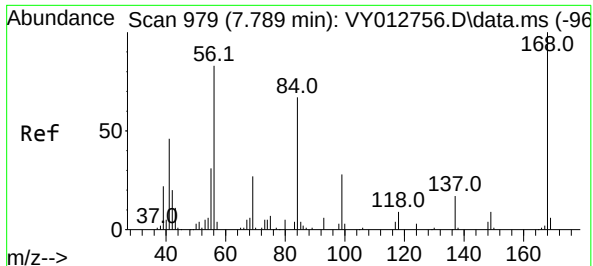
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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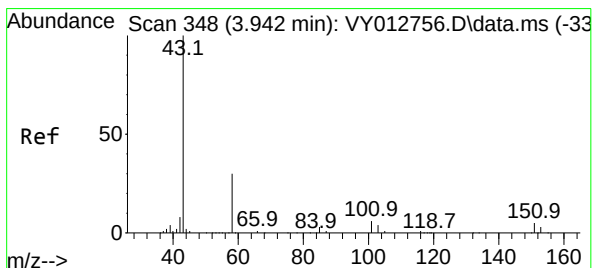
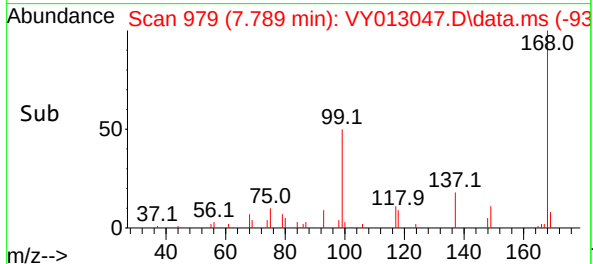
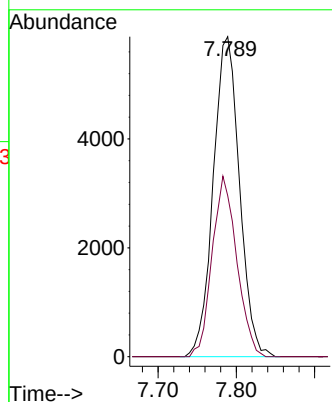
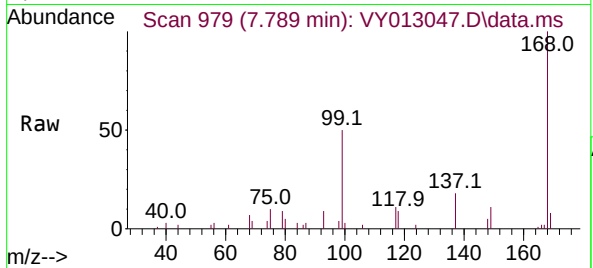




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013047.D
Acq: 22 Mar 2023 14:21

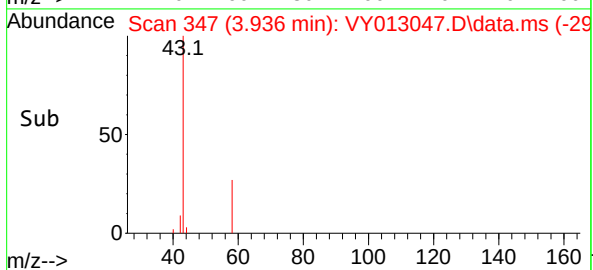
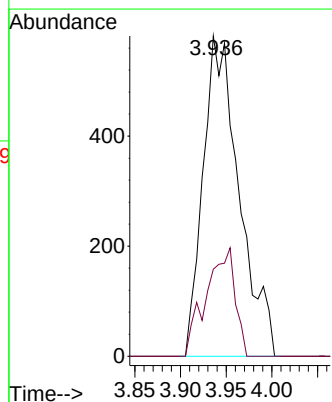
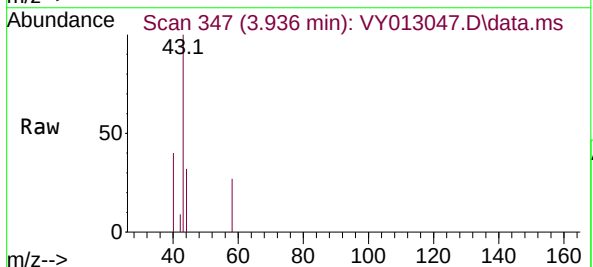
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-032123

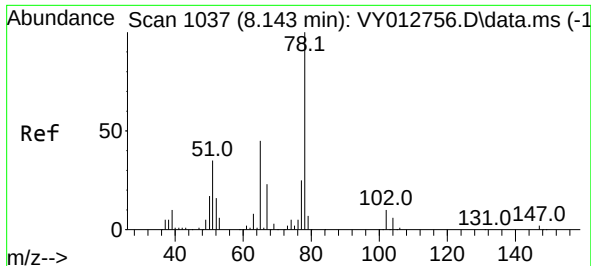
Tgt Ion:168 Resp: 13674
Ion Ratio Lower Upper
168 100
99 50.3 41.7 62.5



#16
Acetone
Concen: 29.912 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY013047.D
Acq: 22 Mar 2023 14:21

Tgt Ion: 43 Resp: 1594
Ion Ratio Lower Upper
43 100
58 27.1 24.2 36.2





#33

1,2-Dichloroethane-d4

Concen: 69.944 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.007 min

Lab File: VY013047.D

Acq: 22 Mar 2023 14:21

Instrument :

MSVOA_Y

ClientSampleId :

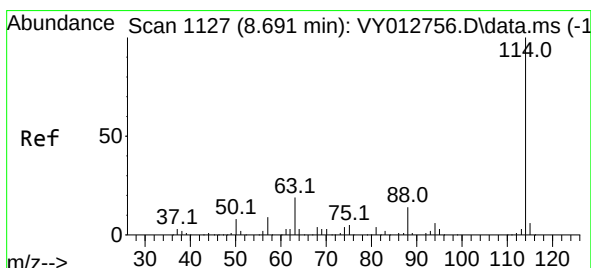
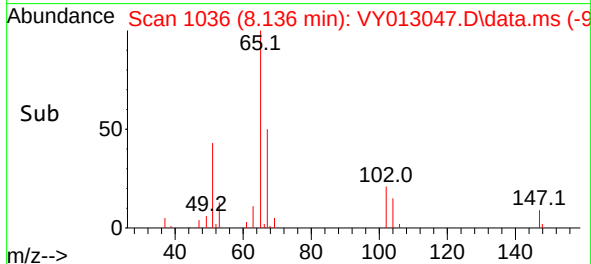
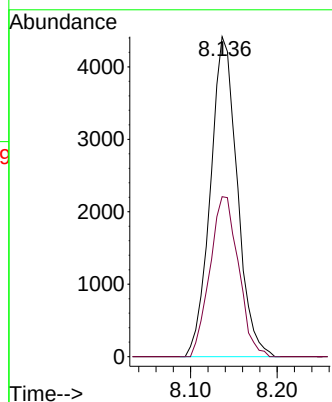
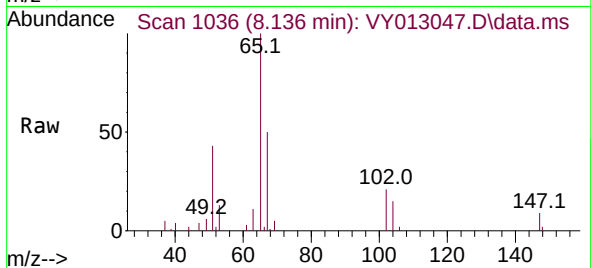
EO-1-032123

Tgt Ion: 65 Resp: 9496

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013047.D

Acq: 22 Mar 2023 14:21

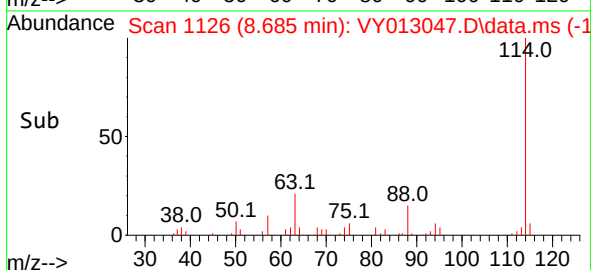
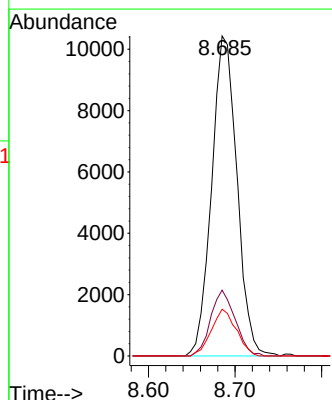
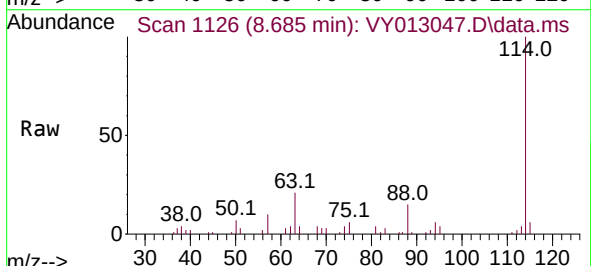
Tgt Ion: 114 Resp: 21194

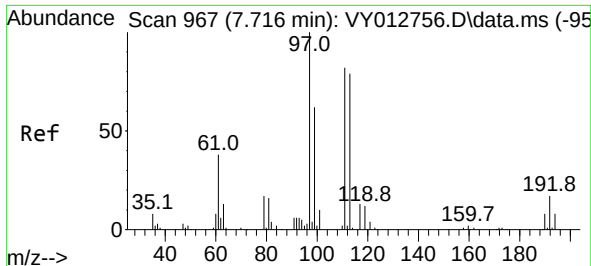
Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

88 14.6 0.0 28.6





#35

Dibromofluoromethane

Concen: 66.252 ug/l

RT: 7.710 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY013047.D

Acq: 22 Mar 2023 14:21

Instrument :

MSVOA_Y

ClientSampleId :

EO-1-032123

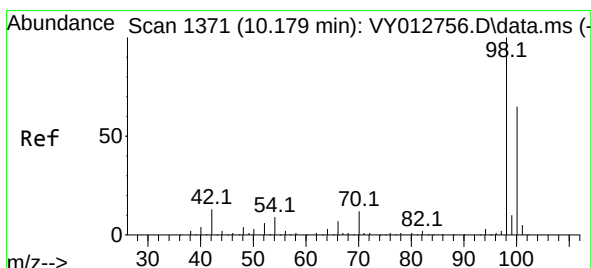
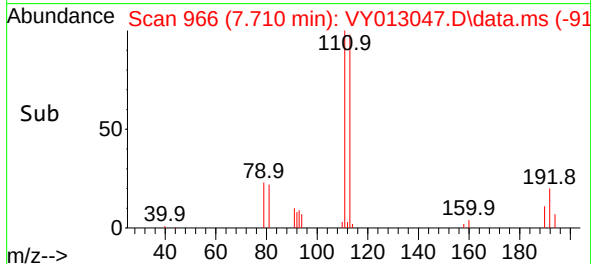
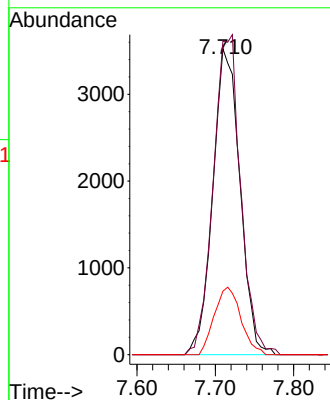
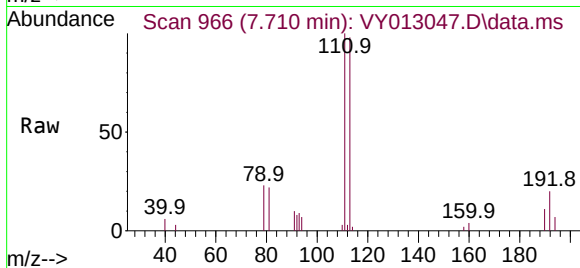
Tgt Ion:113 Resp: 8474

Ion Ratio Lower Upper

113 100

111 105.7 82.2 123.2

192 21.6 16.8 25.2



#50

Toluene-d8

Concen: 54.823 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013047.D

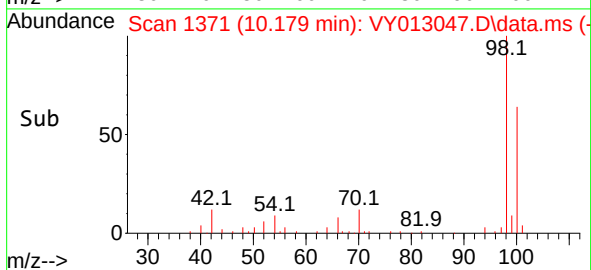
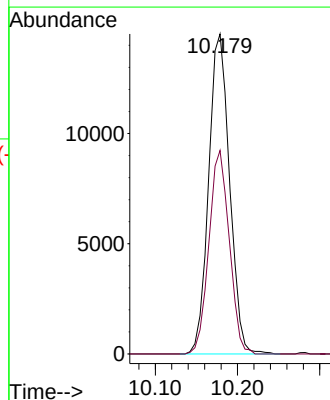
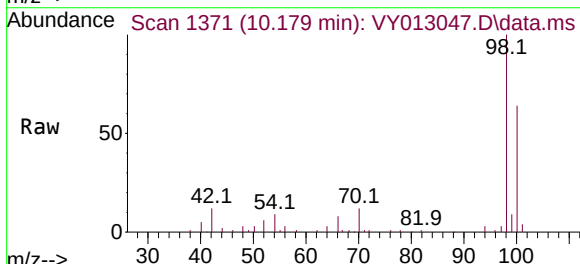
Acq: 22 Mar 2023 14:21

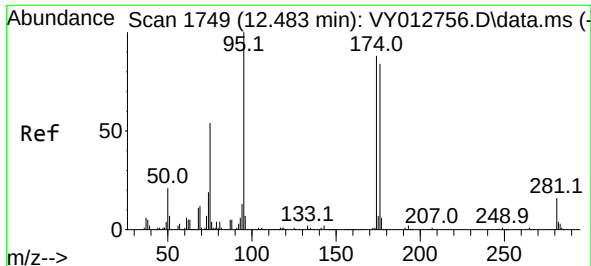
Tgt Ion: 98 Resp: 25635

Ion Ratio Lower Upper

98 100

100 61.9 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 46.444 ug/l

RT: 12.483 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013047.D

Acq: 22 Mar 2023 14:21

Instrument :

MSVOA_Y

ClientSampleId :

EO-1-032123

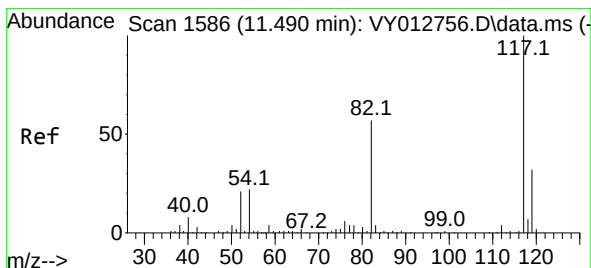
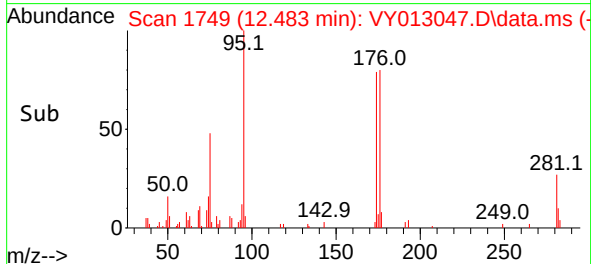
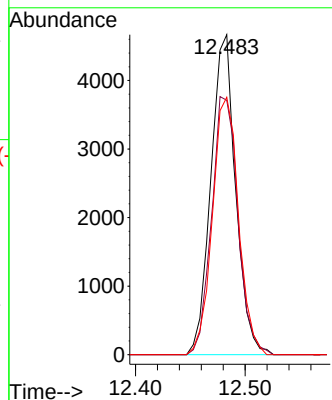
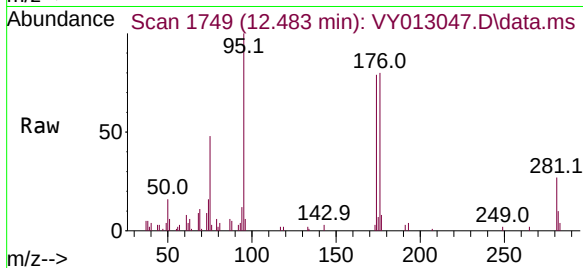
Tgt Ion: 95 Resp: 7330

Ion Ratio Lower Upper

95 100

174 85.4 0.0 176.6

176 84.6 0.0 170.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY013047.D

Acq: 22 Mar 2023 14:21

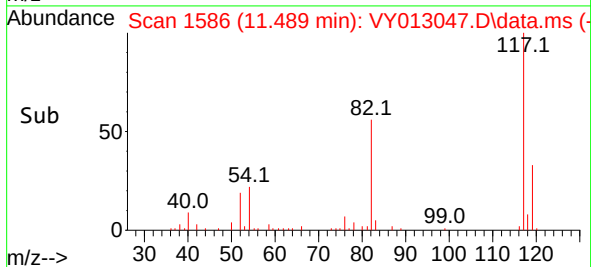
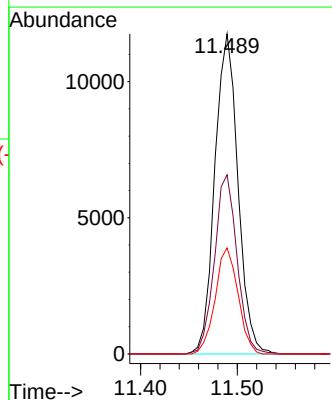
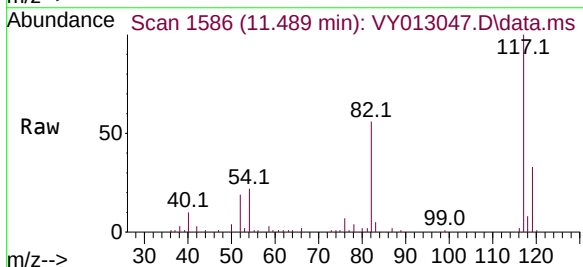
Tgt Ion: 117 Resp: 19493

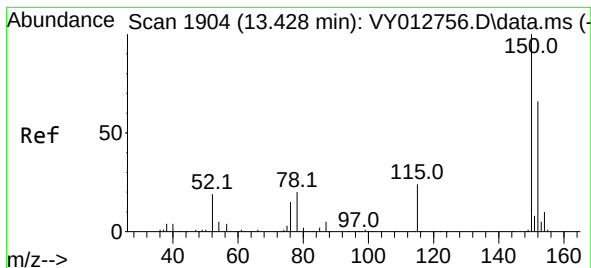
Ion Ratio Lower Upper

117 100

82 56.0 45.4 68.0

119 33.2 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY013047.D

Acq: 22 Mar 2023 14:21

Instrument :

MSVOA_Y

ClientSampleId :

EO-1-032123

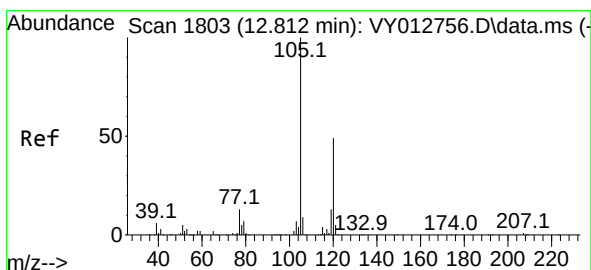
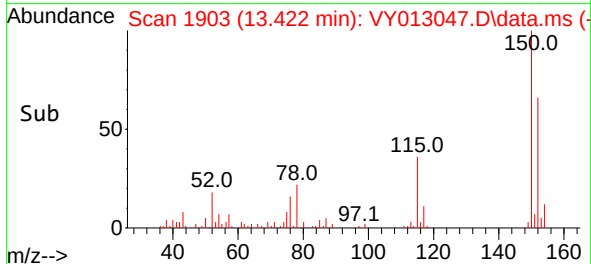
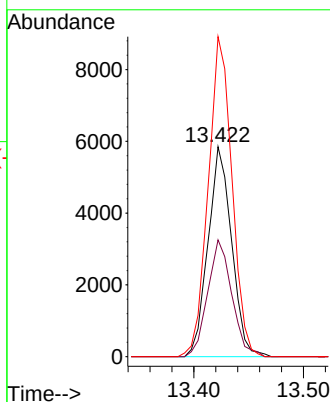
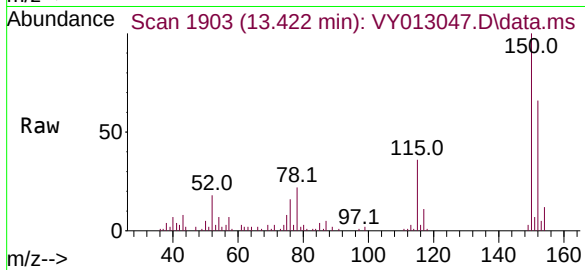
Tgt Ion:152 Resp: 8761

Ion Ratio Lower Upper

152 100

115 56.9 27.1 81.3

150 153.1 0.0 347.8



#80

1,3,5-Trimethylbenzene

Concen: 1.846 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY013047.D

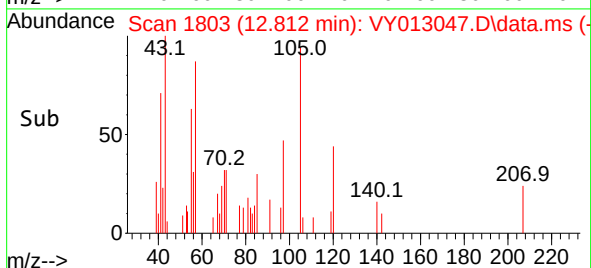
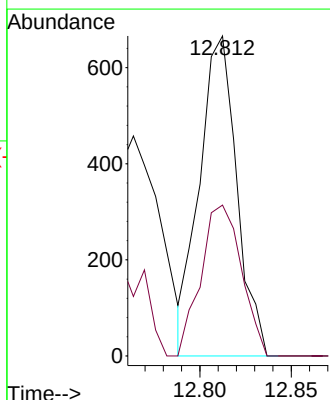
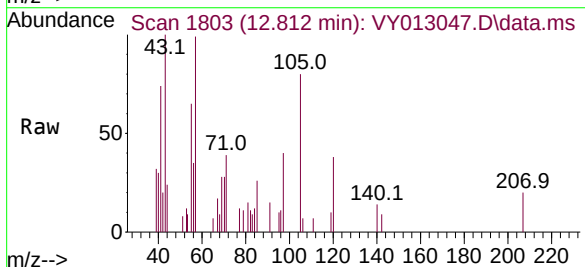
Acq: 22 Mar 2023 14:21

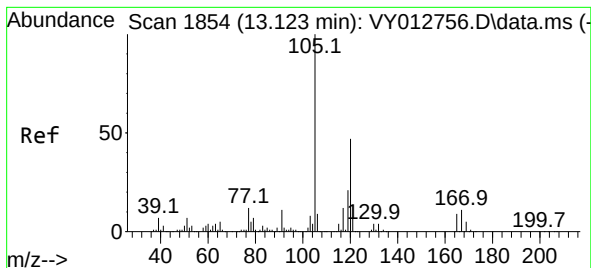
Tgt Ion:105 Resp: 946

Ion Ratio Lower Upper

105 100

120 51.4 24.8 74.4





#84

1,2,4-Trimethylbenzene

Concen: 8.005 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY013047.D

Acq: 22 Mar 2023 14:21

Instrument :

MSVOA_Y

ClientSampleId :

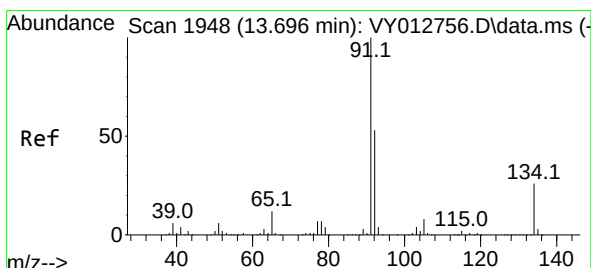
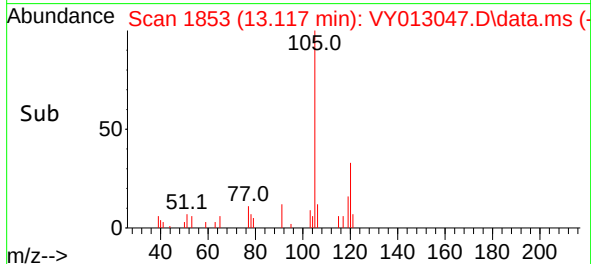
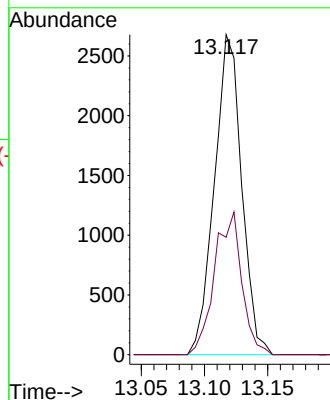
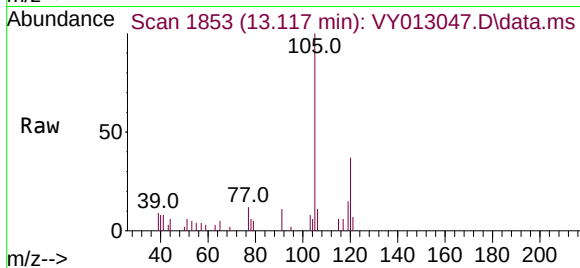
EO-1-032123

Tgt Ion:105 Resp: 4011

Ion Ratio Lower Upper

105 100

120 44.6 23.0 69.0



#89

n-Butylbenzene

Concen: 2.033 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY013047.D

Acq: 22 Mar 2023 14:21

Tgt Ion: 91 Resp: 1073

Ion Ratio Lower Upper

91 100

92 64.0 26.4 79.0

134 0.0 13.0 38.9#

