

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050323\
 Data File : VY013582.D
 Acq On : 03 May 2023 15:23
 Operator : KP/MD
 Sample : 02567-02RE
 Misc : 7.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-21-SB02RE

Quant Time: May 04 01:20:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

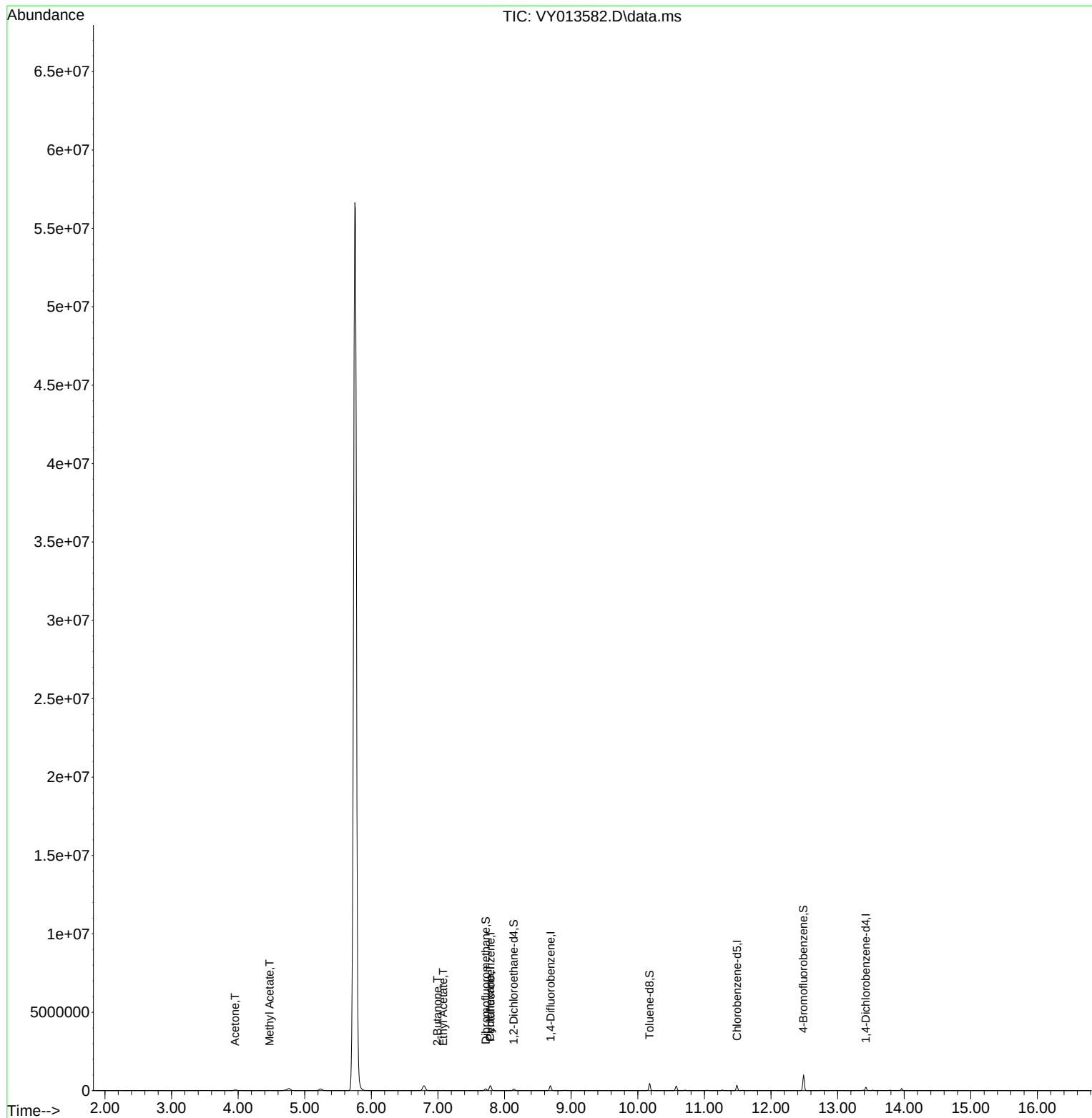
Internal Standards						
1) Pentafluorobenzene	7.789	168	189702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	260916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	182073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	54610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	82907	39.868	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.740%
35) Dibromofluoromethane	7.716	113	80667	49.156	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.320%
50) Toluene-d8	10.179	98	285583	48.919	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.840%
62) 4-Bromofluorobenzene	12.483	95	60669	30.826	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	61.660%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	113793	138.950	ug/l	96
18) Methyl Acetate	4.473	43	11100	4.104	ug/l	96
25) 2-Butanone	6.990	43	15163	14.599	ug/l	90
31) Cyclohexane	7.783	56	37606	10.100	ug/l	95
37) Ethyl Acetate	7.076	43	8058	3.932	ug/l #	98

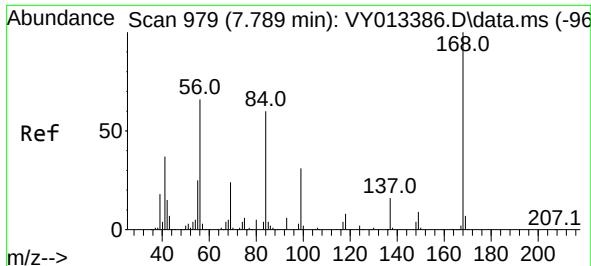
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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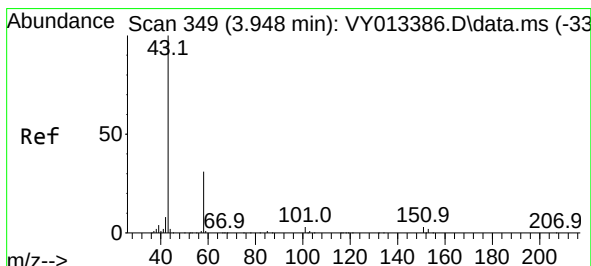
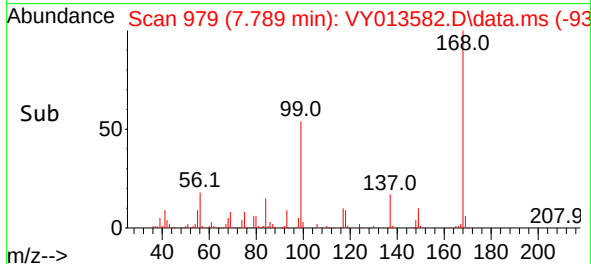
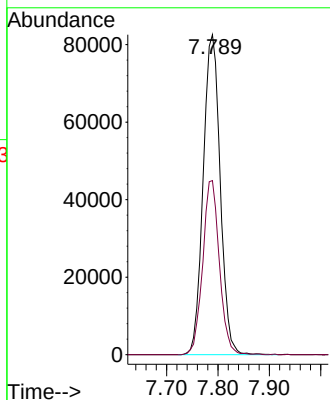
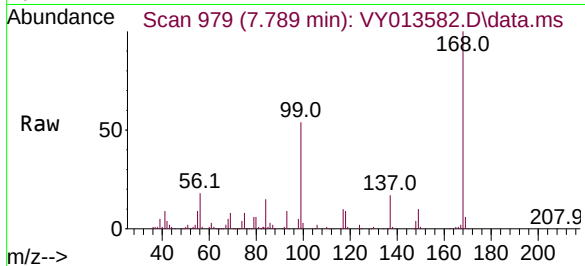




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

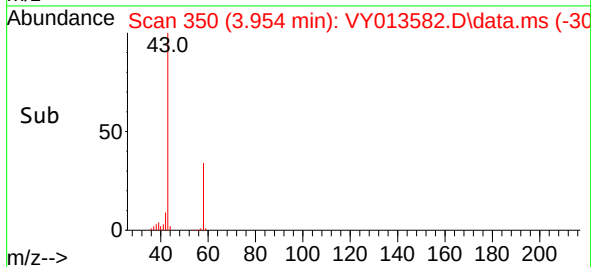
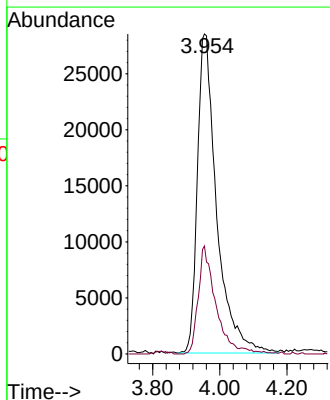
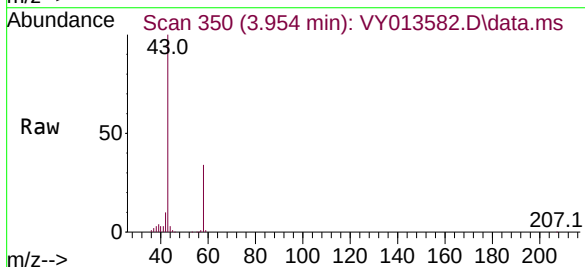
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02RE

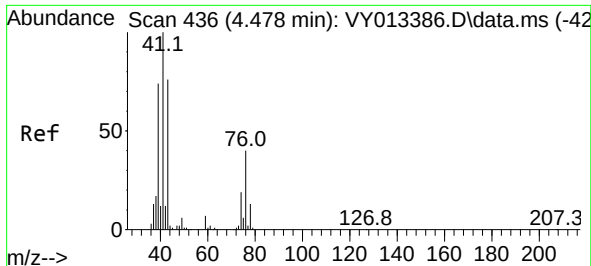
Tgt Ion:168 Resp: 189702
Ion Ratio Lower Upper
168 100
99 54.4 41.8 62.6



#16
Acetone
Concen: 138.950 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

Tgt Ion: 43 Resp: 113793
Ion Ratio Lower Upper
43 100
58 33.8 25.4 38.0

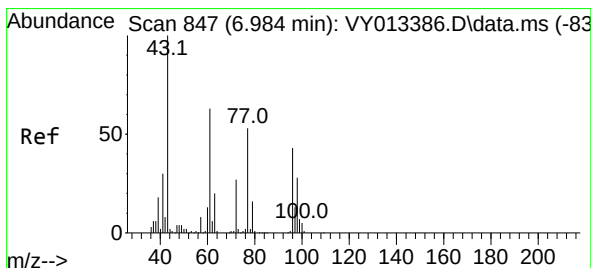
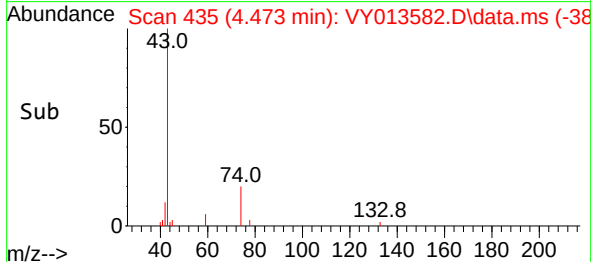
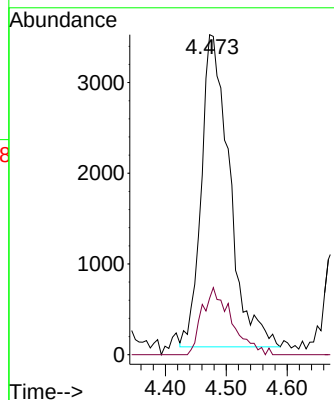
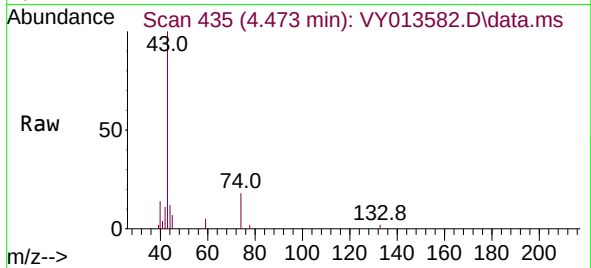




#18
Methyl Acetate
Concen: 4.104 ug/l
RT: 4.473 min Scan# 411
Delta R.T. -0.005 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

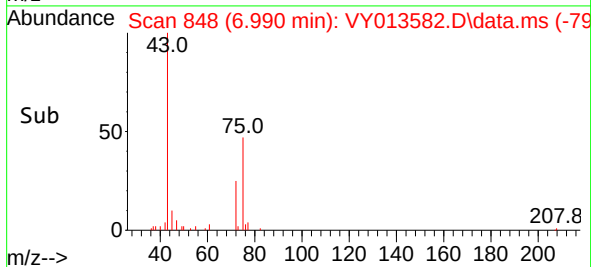
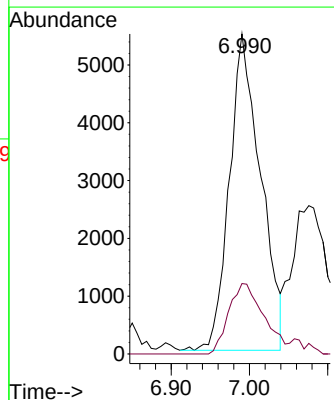
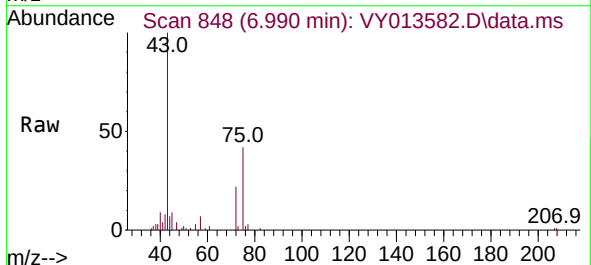
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02RE

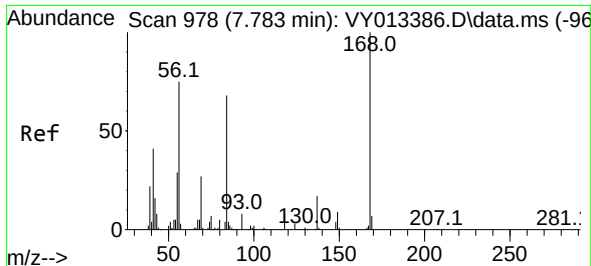
Tgt Ion: 43 Resp: 11100
Ion Ratio Lower Upper
43 100
74 22.6 19.4 29.2



#25
2-Butanone
Concen: 14.599 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

Tgt Ion: 43 Resp: 15163
Ion Ratio Lower Upper
43 100
72 22.3 21.9 32.9

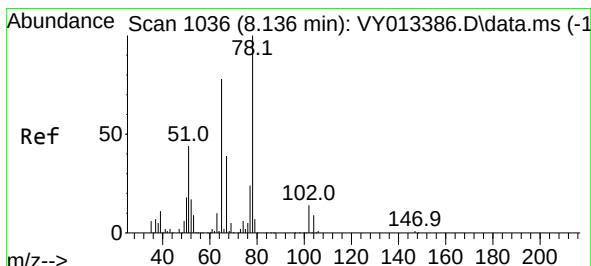
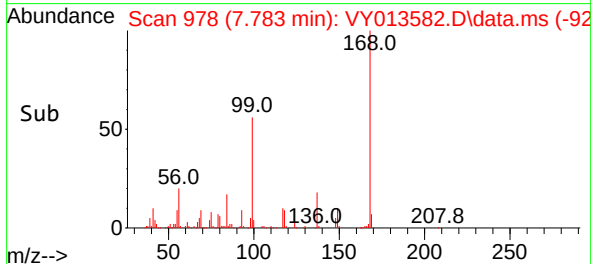
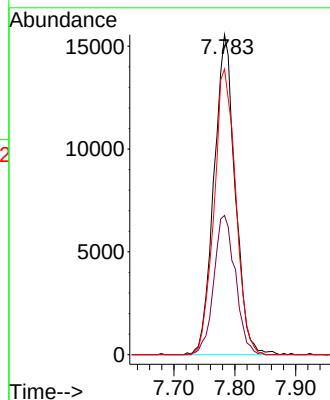
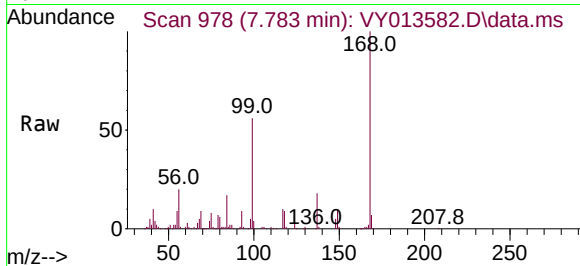




#31
Cyclohexane
Concen: 10.100 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

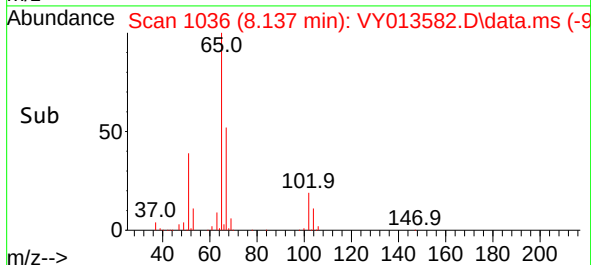
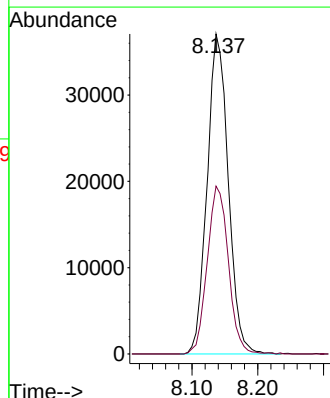
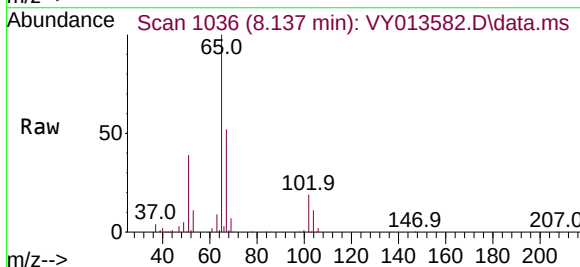
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02RE

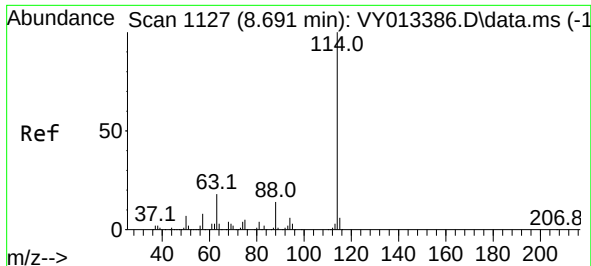
Tgt Ion: 56 Resp: 37606
Ion Ratio Lower Upper
56 100
69 43.5 29.2 43.8
84 89.3 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 39.868 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

Tgt Ion: 65 Resp: 82907
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013582.D

Acq: 03 May 2023 15:23

Instrument :

MSVOA_Y

ClientSampleId :

B-21-SB02RE

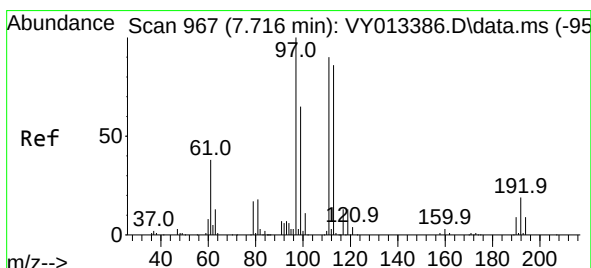
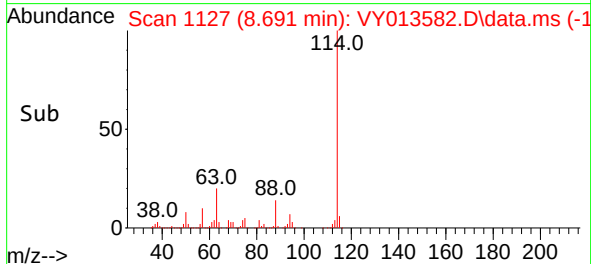
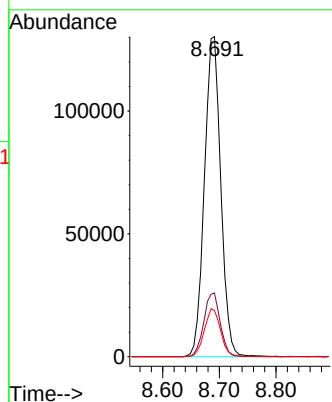
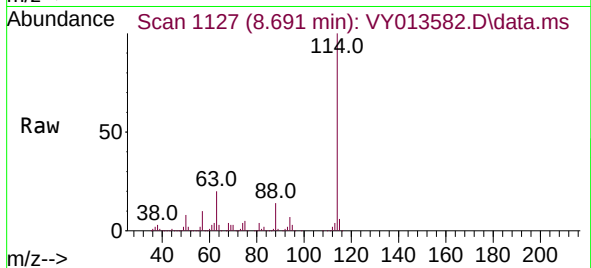
Tgt Ion:114 Resp: 260916

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.6

88 14.5 0.0 28.8



#35

Dibromofluoromethane

Concen: 49.156 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013582.D

Acq: 03 May 2023 15:23

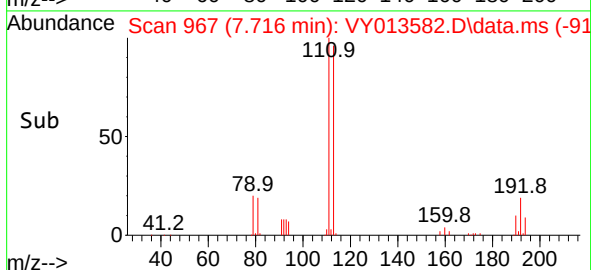
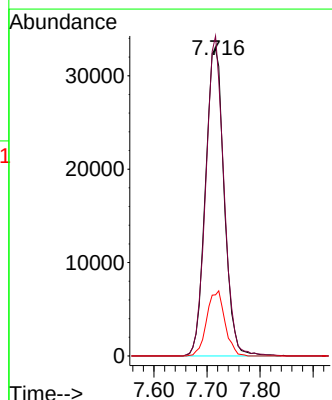
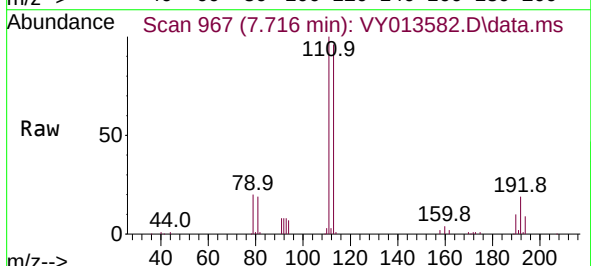
Tgt Ion:113 Resp: 80667

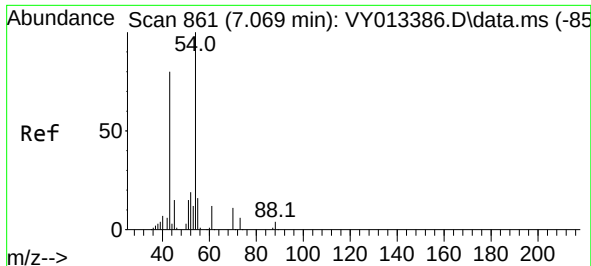
Ion Ratio Lower Upper

113 100

111 100.5 82.2 123.2

192 20.6 16.7 25.1





#37

Ethyl Acetate

Concen: 3.932 ug/l

RT: 7.076 min Scan# 80

Delta R.T. 0.007 min

Lab File: VY013582.D

Acq: 03 May 2023 15:23

Instrument :

MSVOA_Y

ClientSampleId :

B-21-SB02RE

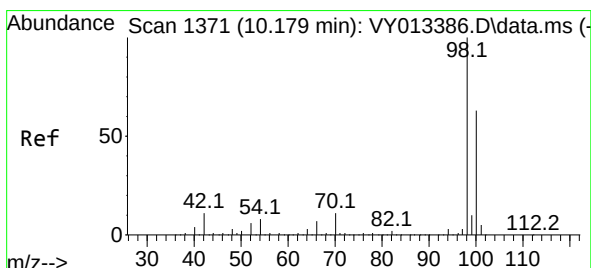
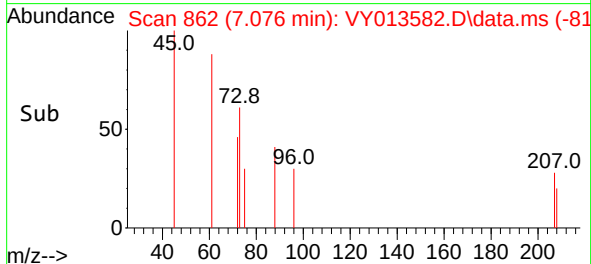
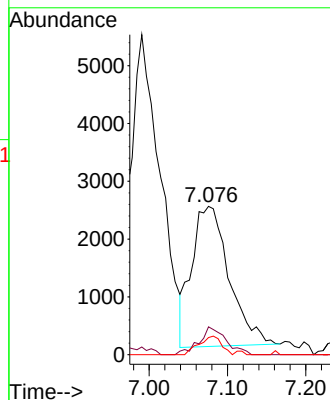
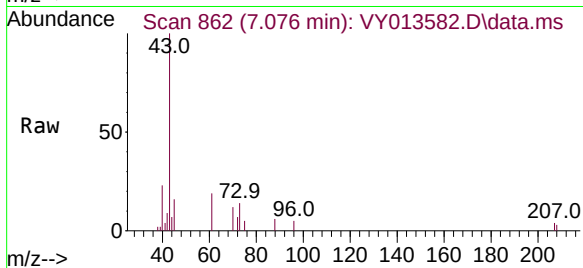
Tgt Ion: 43 Resp: 8058

Ion Ratio Lower Upper

43 100

61 14.2 11.4 17.0

70 7.9 7.9 11.9#



#50

Toluene-d8

Concen: 48.919 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013582.D

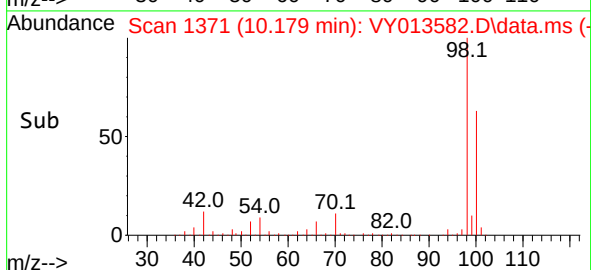
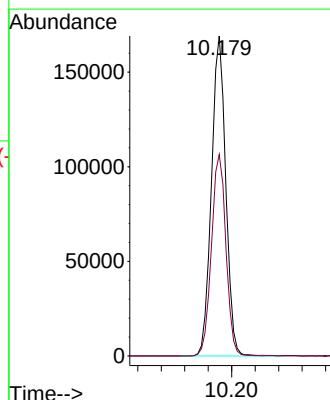
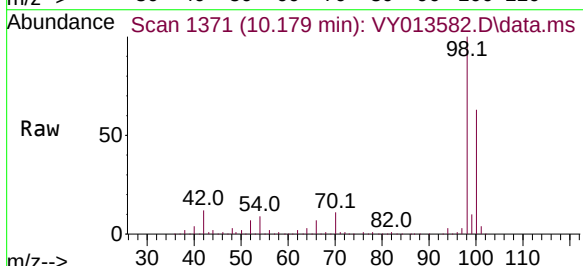
Acq: 03 May 2023 15:23

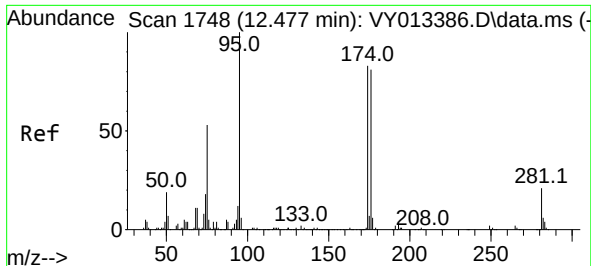
Tgt Ion: 98 Resp: 285583

Ion Ratio Lower Upper

98 100

100 63.7 50.5 75.7





#62

4-Bromofluorobenzene

Concen: 30.826 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY013582.D

Acq: 03 May 2023 15:23

Instrument :

MSVOA_Y

ClientSampleId :

B-21-SB02RE

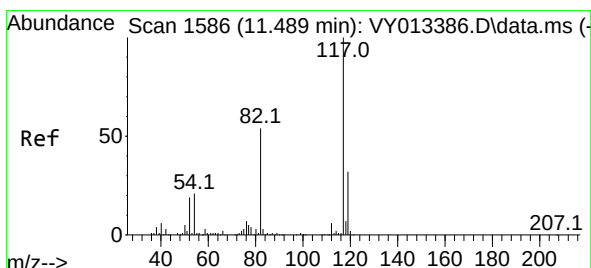
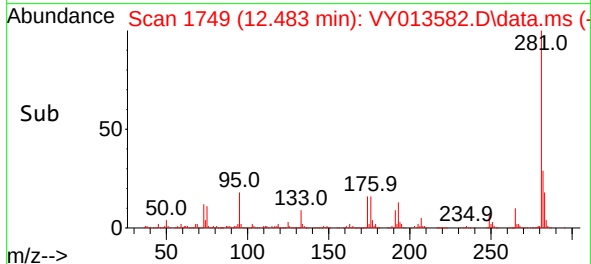
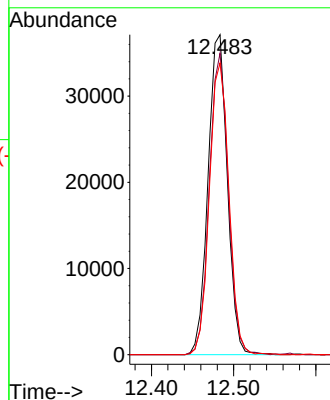
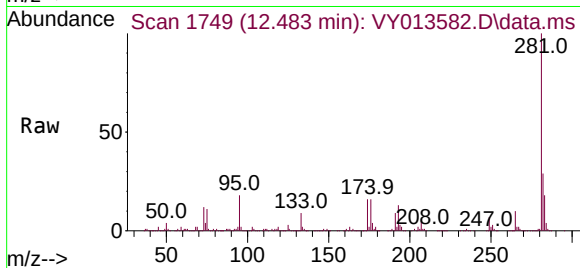
Tgt Ion: 95 Resp: 60669

Ion Ratio Lower Upper

95 100

174 92.9 0.0 182.0

176 92.2 0.0 175.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.001 min

Lab File: VY013582.D

Acq: 03 May 2023 15:23

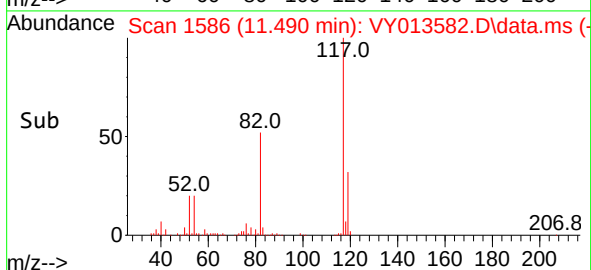
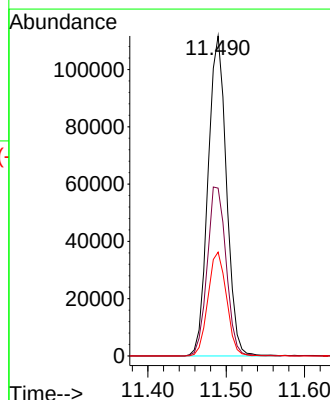
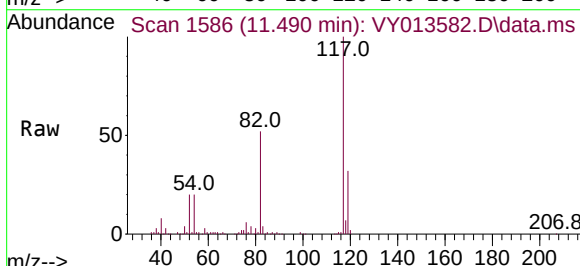
Tgt Ion: 117 Resp: 182073

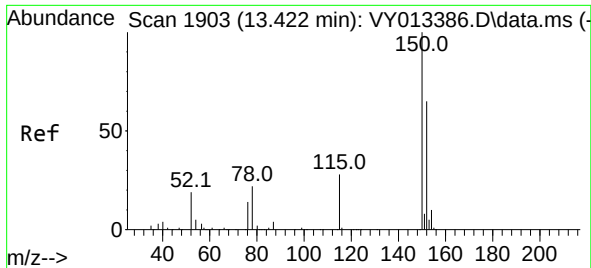
Ion Ratio Lower Upper

117 100

82 52.4 43.0 64.6

119 32.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013582.D

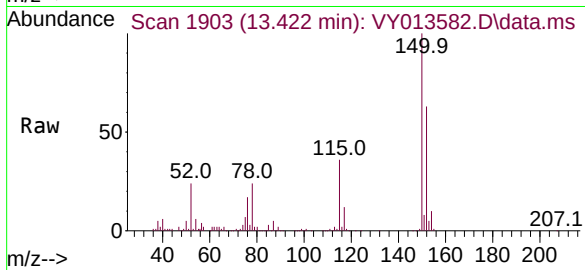
Acq: 03 May 2023 15:23

Instrument :

MSVOA_Y

ClientSampleId :

B-21-SB02RE



Tgt Ion:152 Resp: 54610

Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.2

150 157.5 0.0 352.0

