

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050523\
 Data File : VY013625.D
 Acq On : 05 May 2023 15:08
 Operator : KP/MD
 Sample : 02655-02
 Misc : 5.17g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-2

Quant Time: May 08 00:24:33 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	205307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	343142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	339202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	155962	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	149572	66.458	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.920%
35) Dibromofluoromethane	7.716	113	118128	54.734	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.460%
50) Toluene-d8	10.179	98	421922	54.955	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.900%
62) 4-Bromofluorobenzene	12.477	95	139098	53.741	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.480%

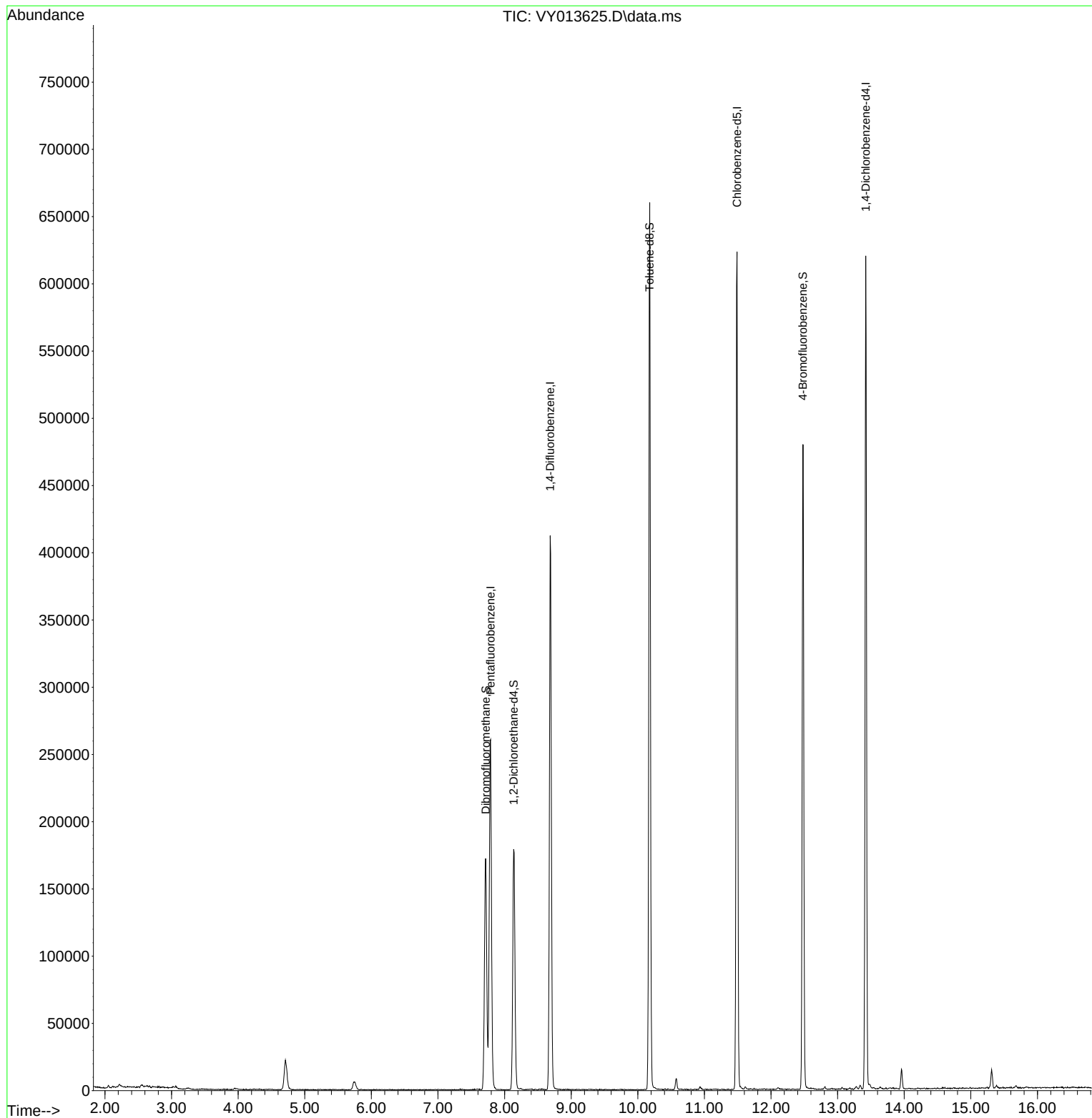
Target Compounds	Qvalue

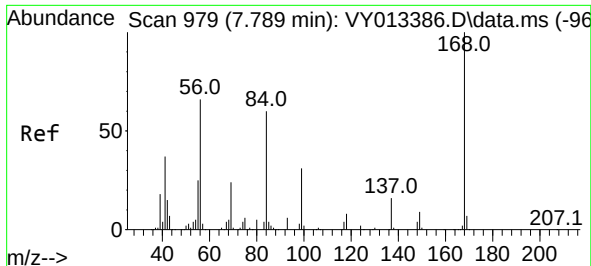
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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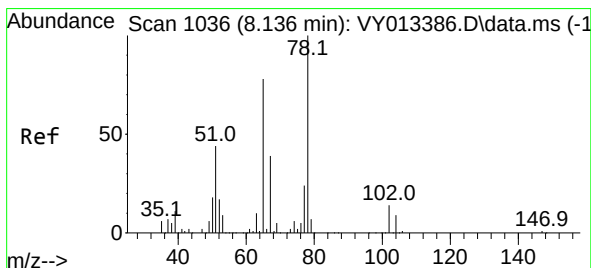
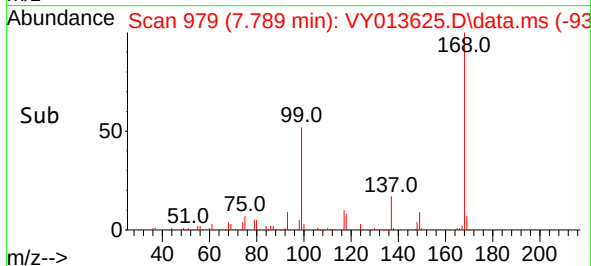
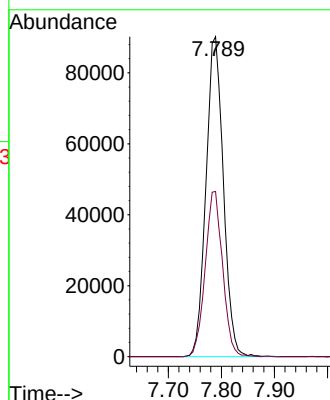
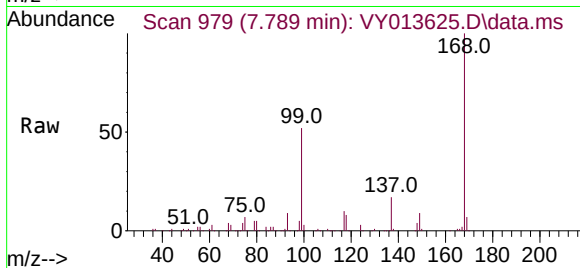




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013625.D
Acq: 05 May 2023 15:08

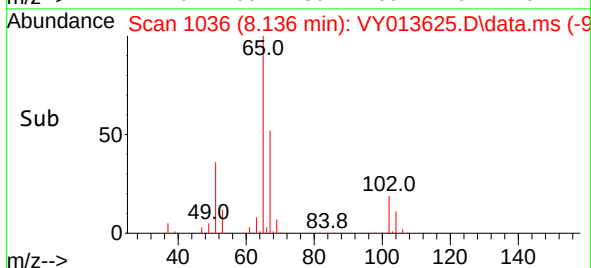
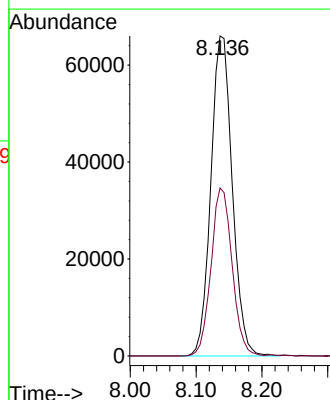
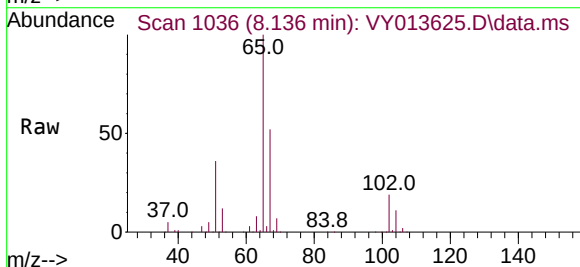
Instrument :
MSVOA_Y
ClientSampleId :
SS-2

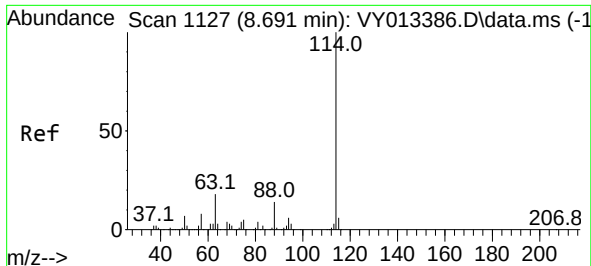
Tgt Ion:168 Resp: 205307
Ion Ratio Lower Upper
168 100
99 51.6 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 66.458 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013625.D
Acq: 05 May 2023 15:08

Tgt Ion: 65 Resp: 149572
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013625.D

Acq: 05 May 2023 15:08

Instrument :

MSVOA_Y

ClientSampleId :

SS-2

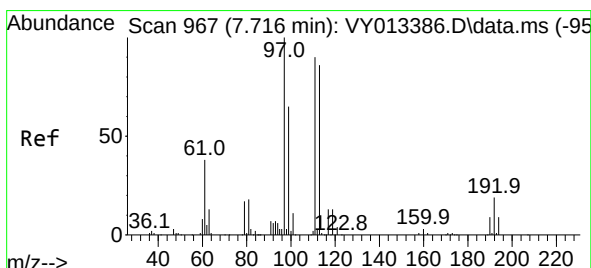
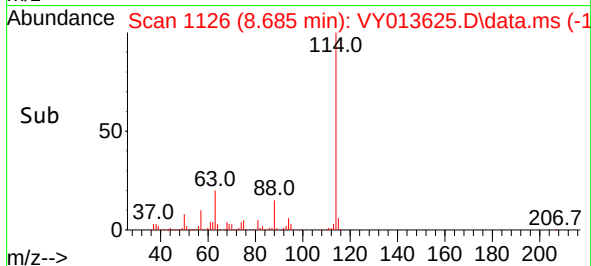
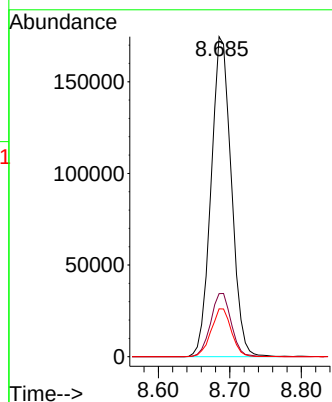
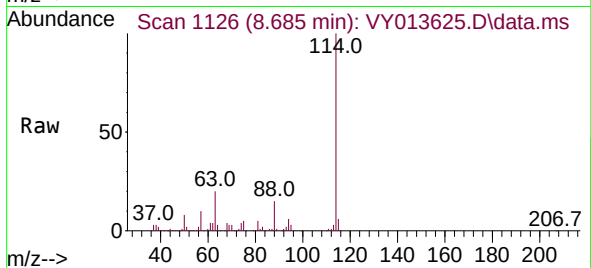
Tgt Ion:114 Resp: 343142

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.6

88 14.9 0.0 28.8



#35

Dibromofluoromethane

Concen: 54.734 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013625.D

Acq: 05 May 2023 15:08

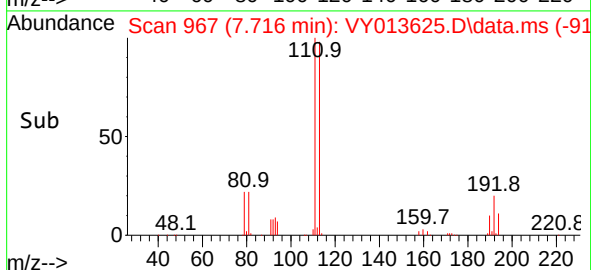
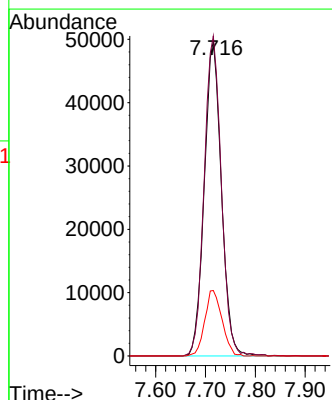
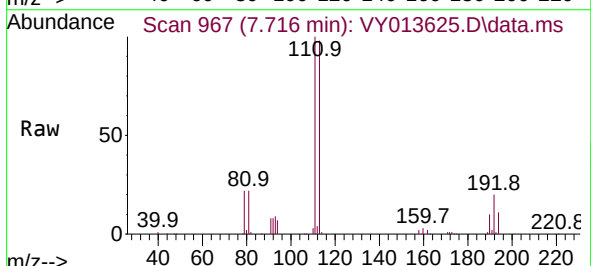
Tgt Ion:113 Resp: 118128

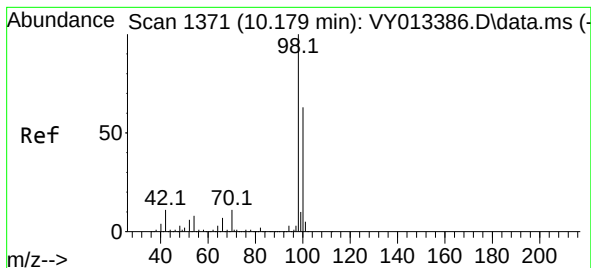
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.2

192 21.0 16.7 25.1





#50

Toluene-d8

Concen: 54.955 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013625.D

Acq: 05 May 2023 15:08

Instrument :

MSVOA_Y

ClientSampleId :

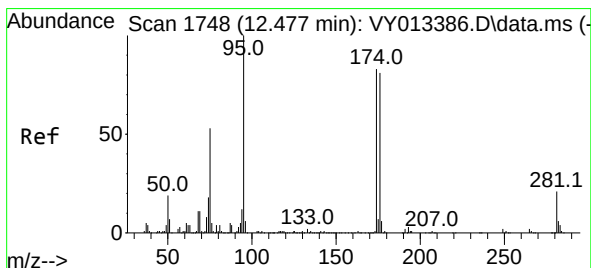
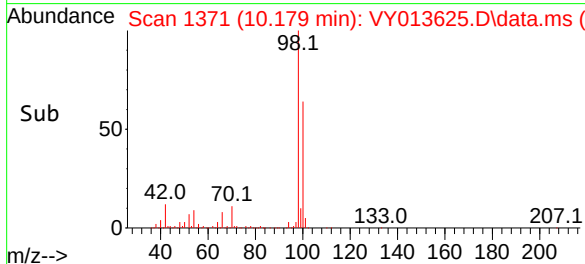
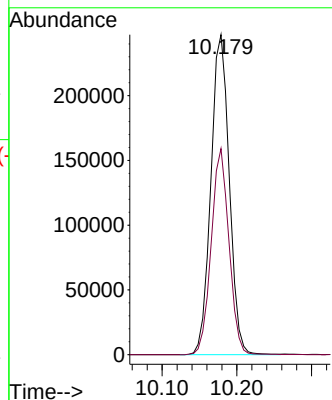
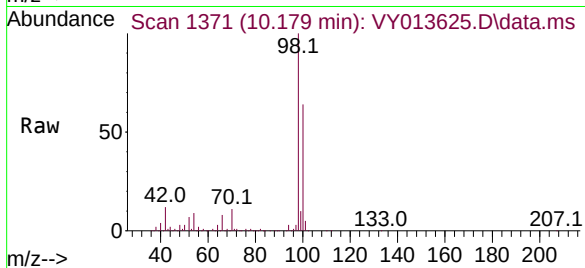
SS-2

Tgt Ion: 98 Resp: 421922

Ion Ratio Lower Upper

98 100

100 62.2 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 53.741 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY013625.D

Acq: 05 May 2023 15:08

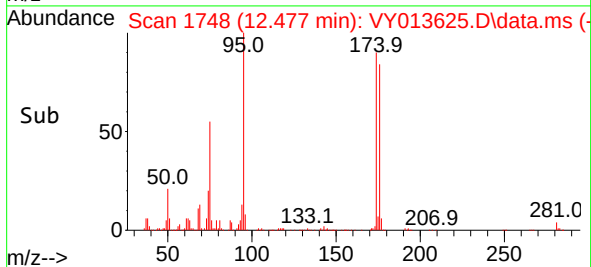
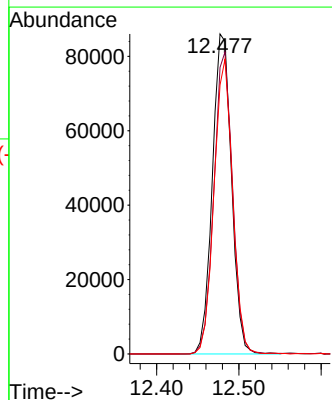
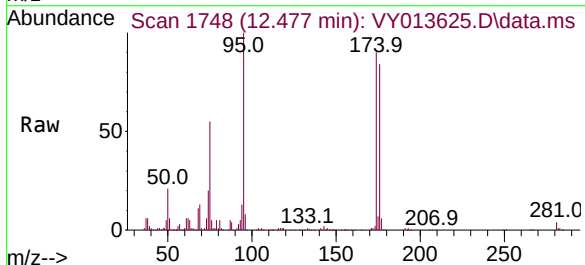
Tgt Ion: 95 Resp: 139098

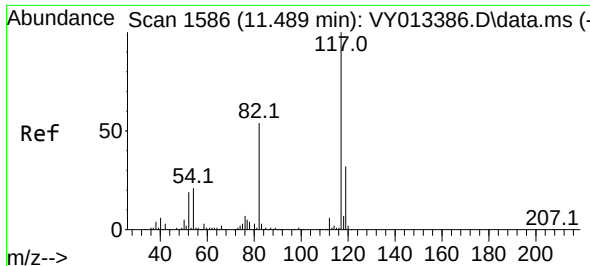
Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.0

176 89.4 0.0 175.4

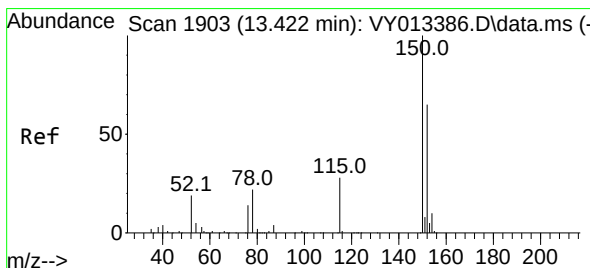
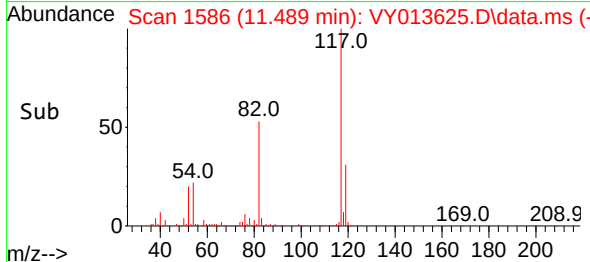
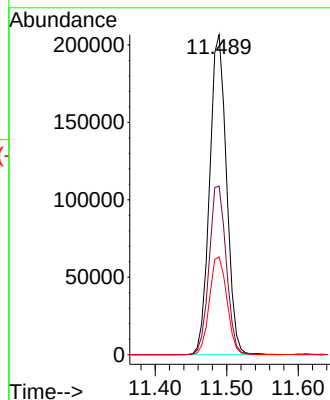
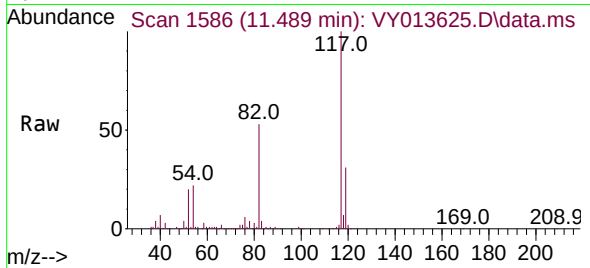




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013625.D
Acq: 05 May 2023 15:08

Instrument :
MSVOA_Y
ClientSampleId :
SS-2

Tgt Ion:117 Resp: 339202
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.6
119 30.5 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: VY013625.D
Acq: 05 May 2023 15:08

Tgt Ion:152 Resp: 155962
Ion Ratio Lower Upper
152 100
115 56.6 28.1 84.2
150 159.0 0.0 352.0

