

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015658.D
 Acq On : 20 Sep 2023 14:55
 Operator : SY/MD
 Sample : 04501-04
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Quant Time: Sep 21 03:41:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

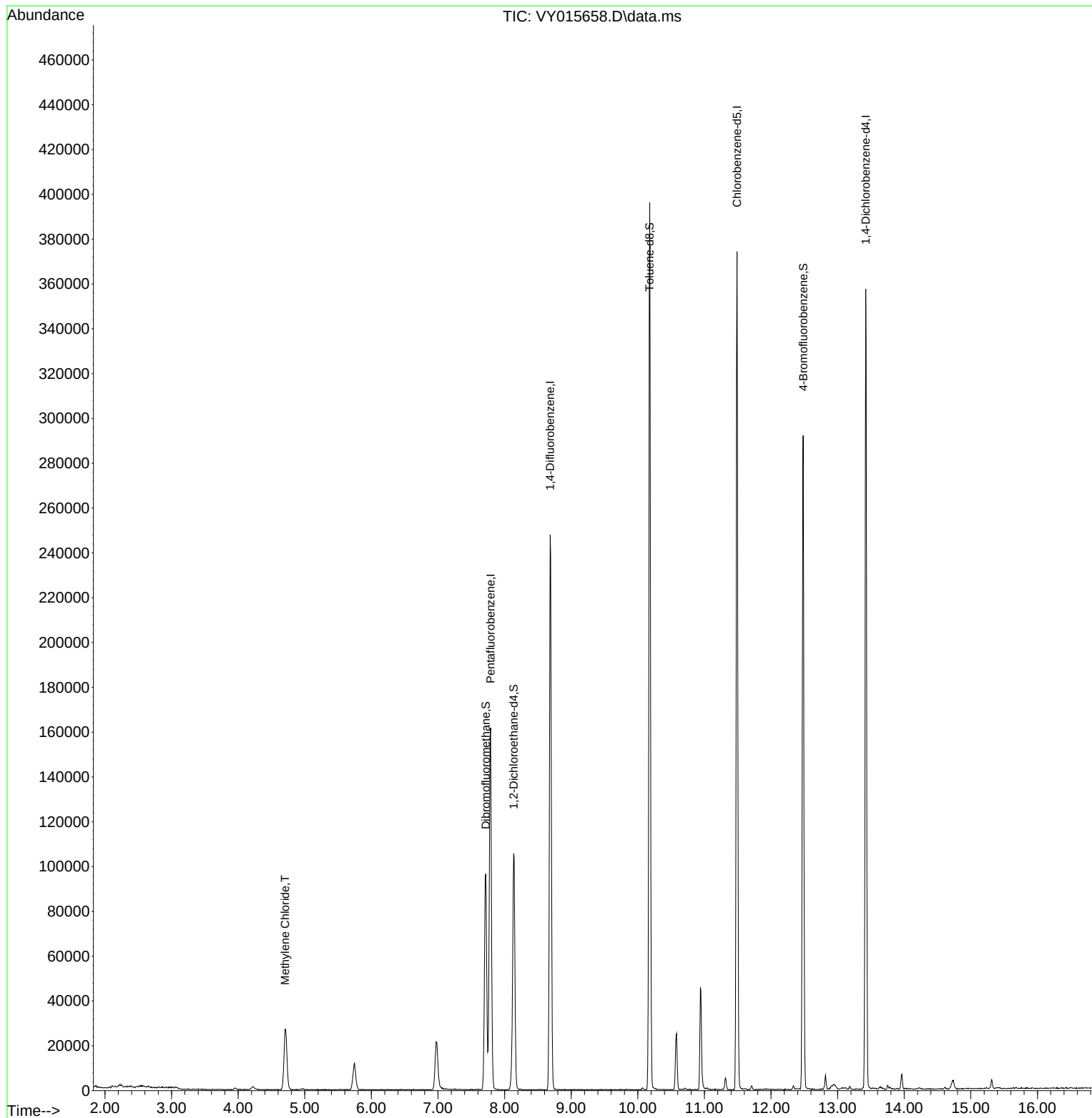
Internal Standards						
1) Pentafluorobenzene	7.789	168	124775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	213230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	198299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	80415	58.574	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.140%
35) Dibromofluoromethane	7.716	113	69780	54.676	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.360%
50) Toluene-d8	10.179	98	251869	58.204	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	116.400%
62) 4-Bromofluorobenzene	12.483	95	84552	49.790	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.580%
Target Compounds						
20) Methylene Chloride	4.704	84	20895	9.019	ug/l	90

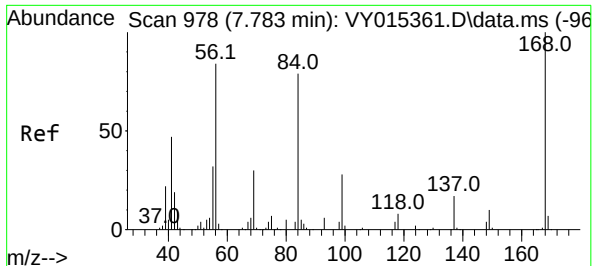
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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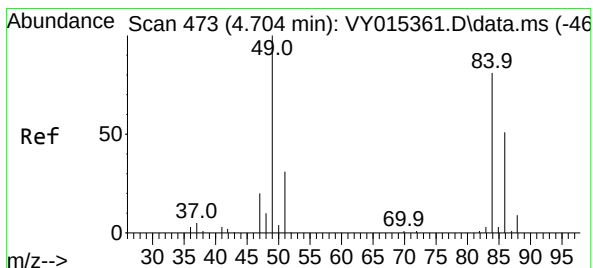
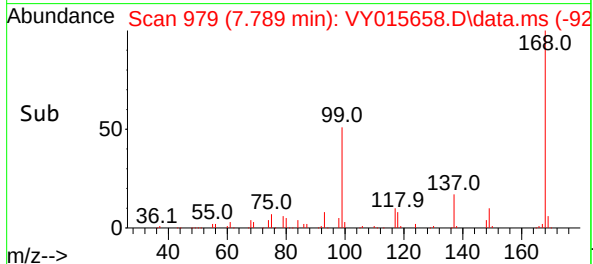
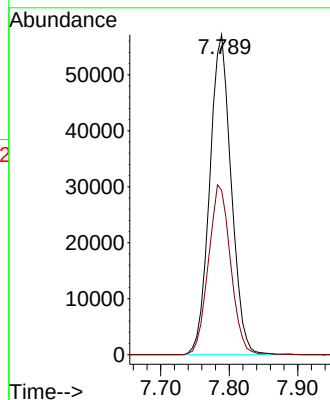
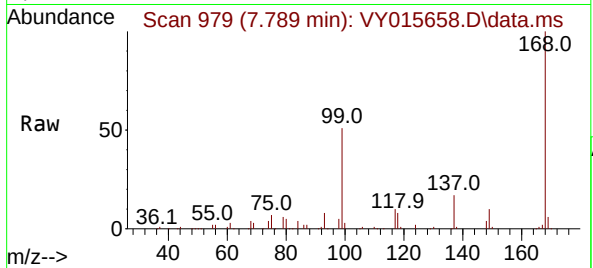




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

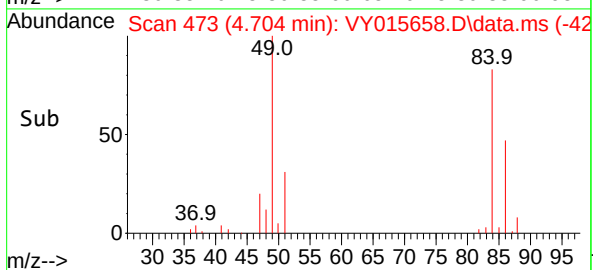
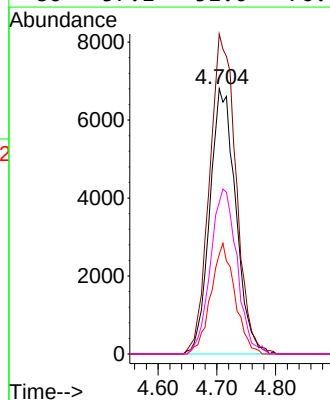
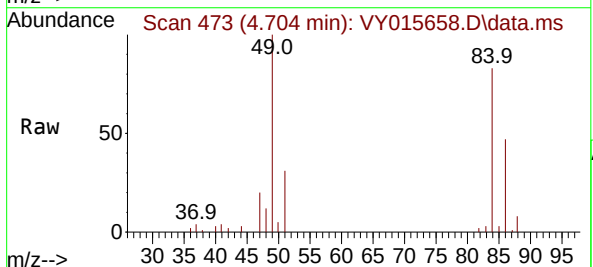
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

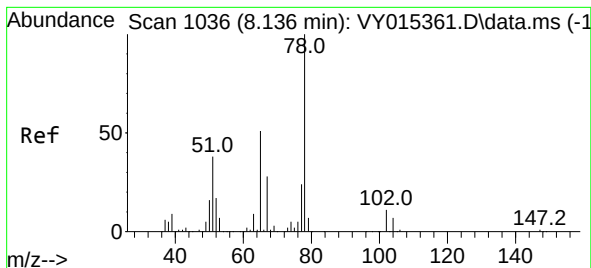
Tgt Ion:168 Resp: 124775
Ion Ratio Lower Upper
168 100
99 51.4 43.4 65.0



#20
Methylene Chloride
Concen: 9.019 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

Tgt Ion: 84 Resp: 20895
Ion Ratio Lower Upper
84 100
49 120.6 106.9 160.3
51 37.5 33.2 49.8
86 57.1 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 58.574 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015658.D

Acq: 20 Sep 2023 14:55

Instrument :

MSVOA_Y

ClientSampleId :

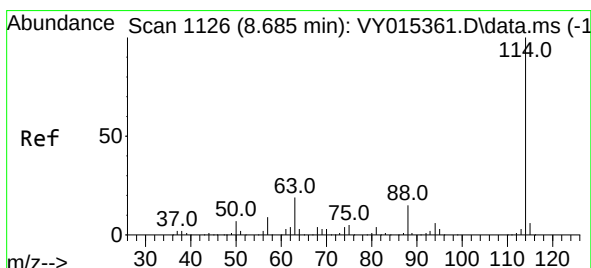
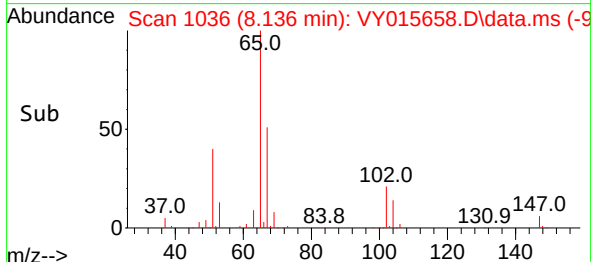
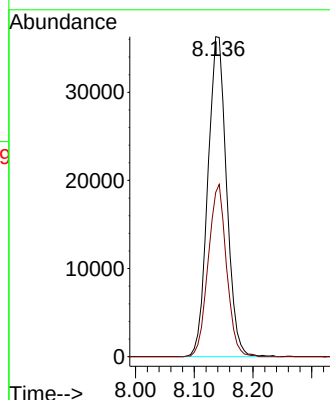
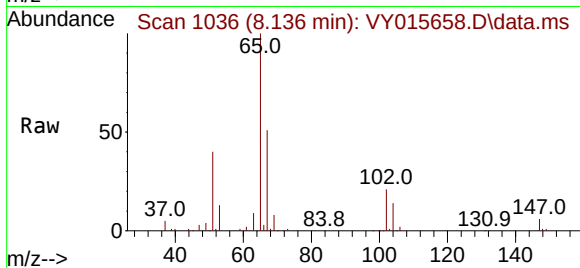
TP-3

Tgt Ion: 65 Resp: 80415

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015658.D

Acq: 20 Sep 2023 14:55

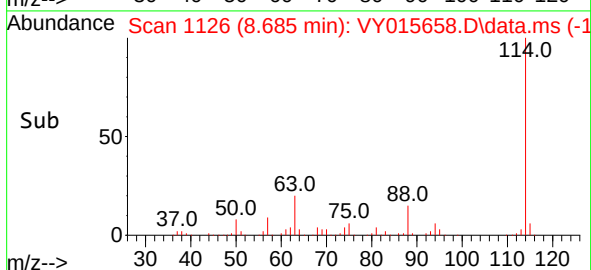
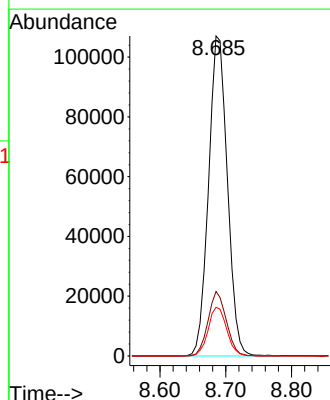
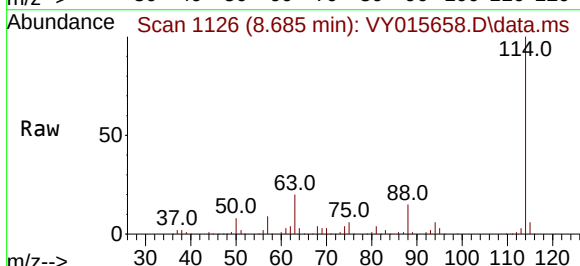
Tgt Ion: 114 Resp: 213230

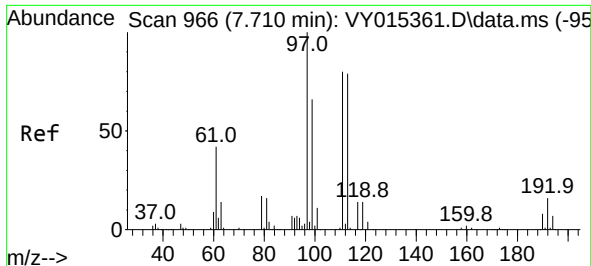
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

88 15.2 0.0 30.6

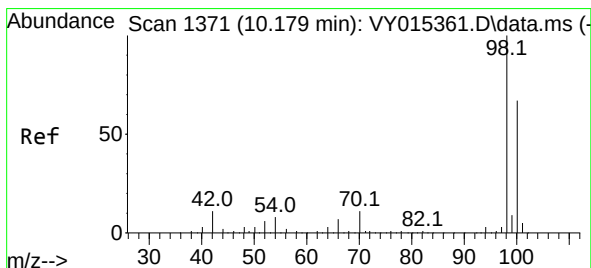
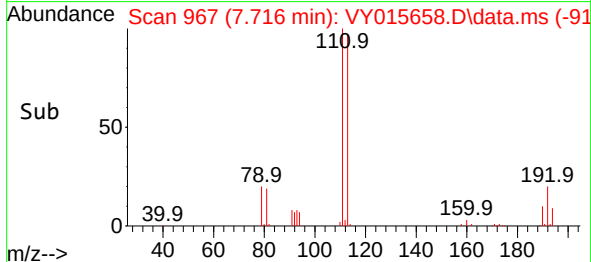
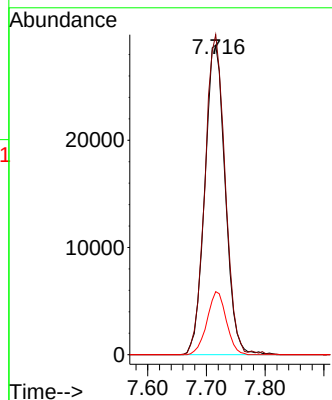
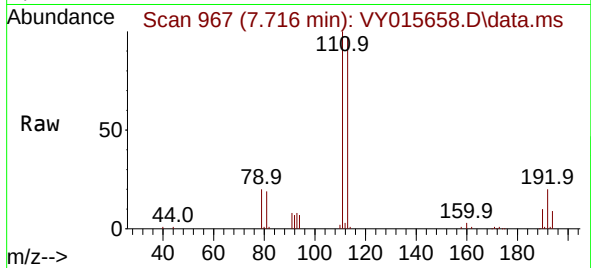




#35
Dibromofluoromethane
Concen: 54.676 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

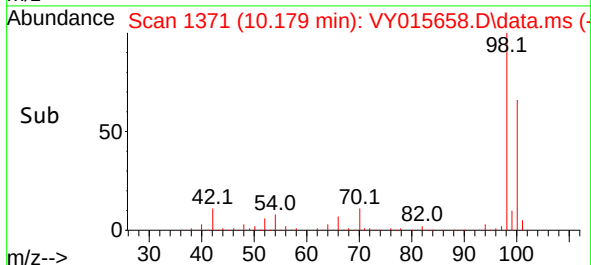
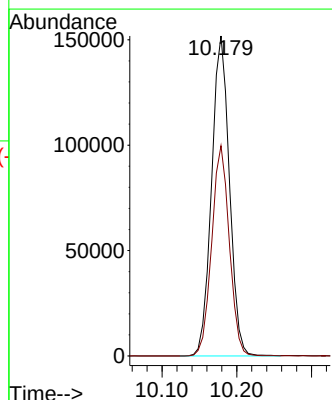
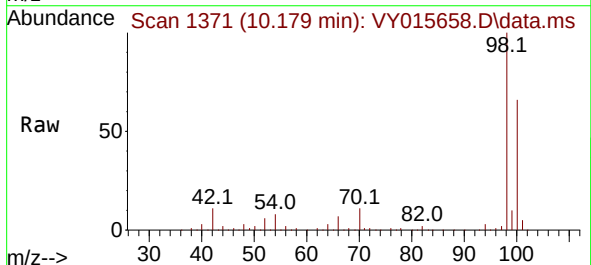
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

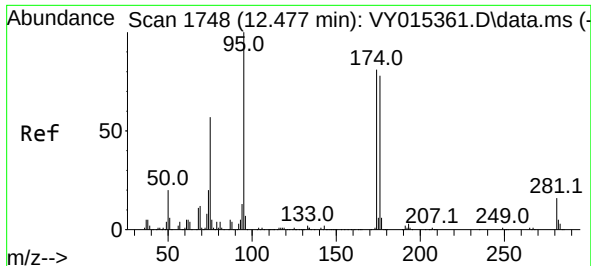
Tgt Ion:113 Resp: 69780
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 19.2 16.9 25.3



#50
Toluene-d8
Concen: 58.204 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

Tgt Ion: 98 Resp: 251869
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 49.790 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015658.D

Acq: 20 Sep 2023 14:55

Instrument :

MSVOA_Y

ClientSampleId :

TP-3

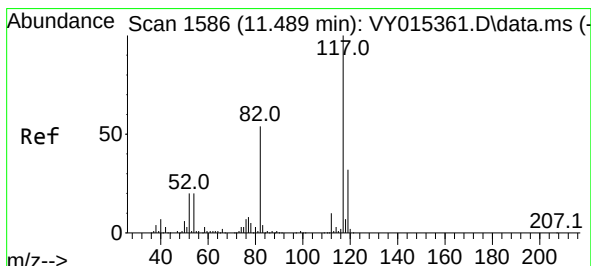
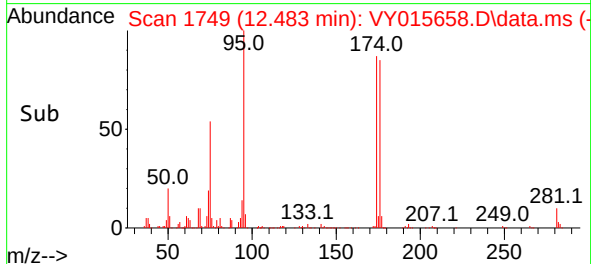
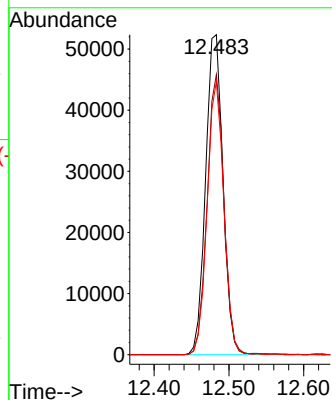
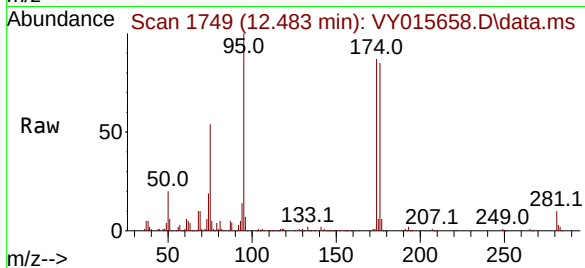
Tgt Ion: 95 Resp: 84552

Ion Ratio Lower Upper

95 100

174 84.9 0.0 178.2

176 81.7 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY015658.D

Acq: 20 Sep 2023 14:55

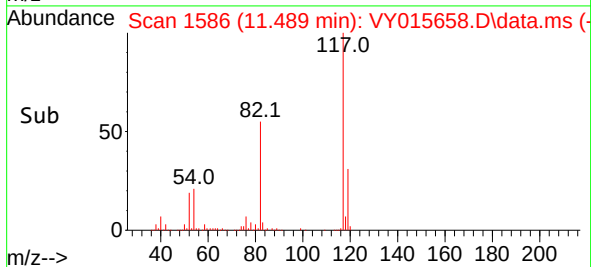
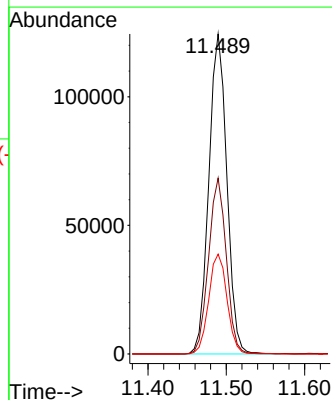
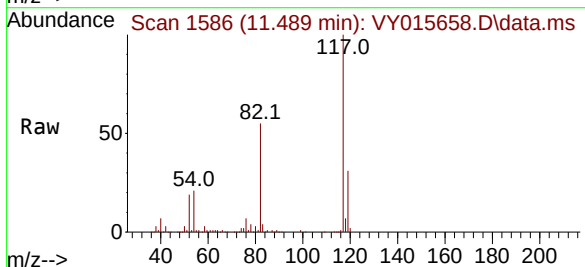
Tgt Ion: 117 Resp: 198299

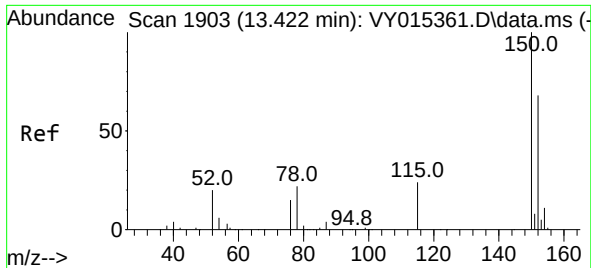
Ion Ratio Lower Upper

117 100

82 55.0 43.4 65.0

119 31.2 26.3 39.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY015658.D
 Acq: 20 Sep 2023 14:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.8	86.5
150	157.7	0.0	348.8

