

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
 Data File : VY015838.D
 Acq On : 04 Oct 2023 19:23
 Operator : SY/MD
 Sample : 04731-04
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DTP-2

Quant Time: Oct 05 06:58:46 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	200576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	340261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	309847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	147161	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	124167	56.263	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.520%
35) Dibromofluoromethane	7.716	113	108235	53.145	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.300%
50) Toluene-d8	10.179	98	398506	57.710	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	115.420%
62) 4-Bromofluorobenzene	12.477	95	138576	51.137	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.280%

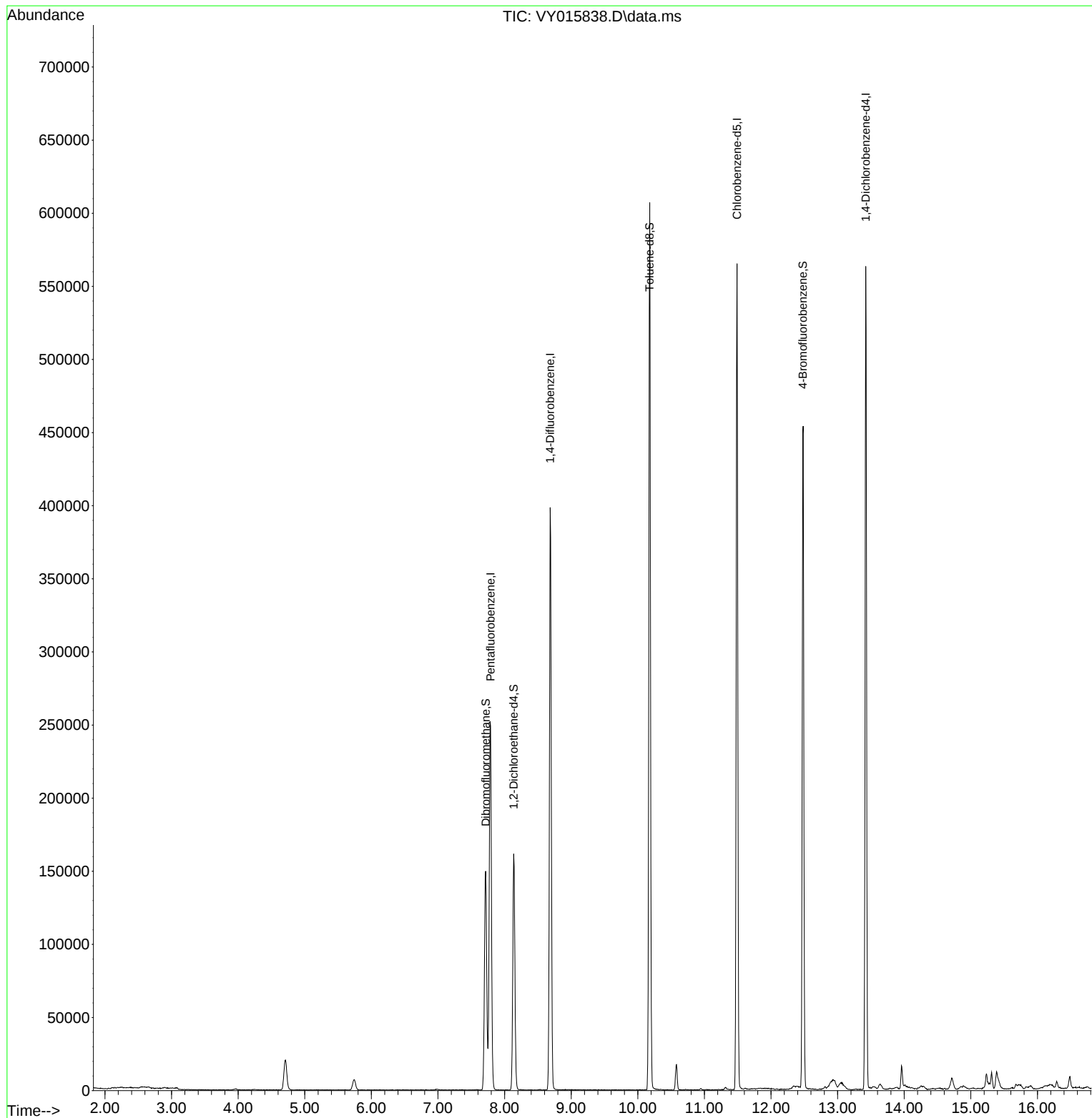
Target Compounds	Qvalue

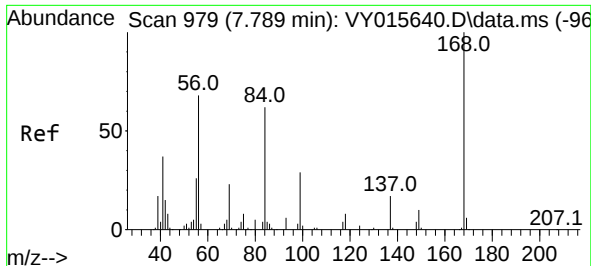
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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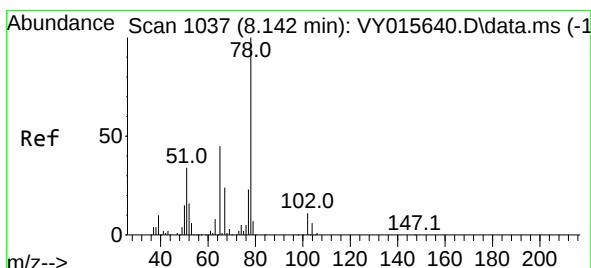
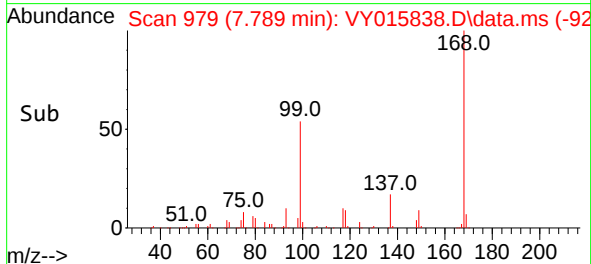
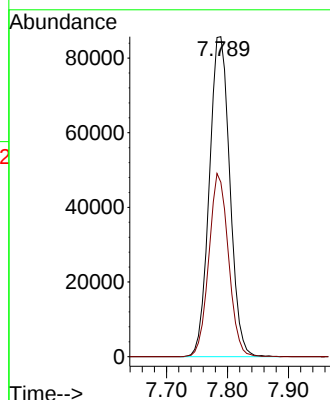
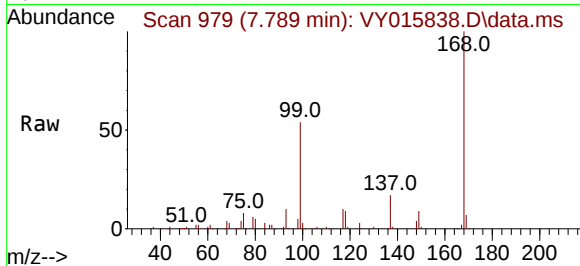




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015838.D
Acq: 04 Oct 2023 19:23

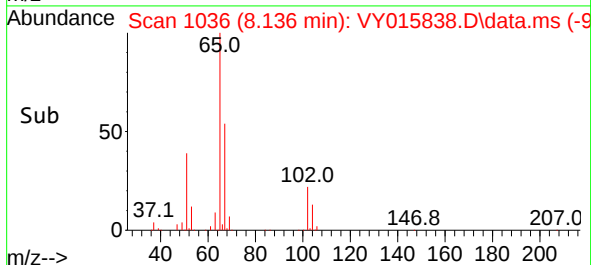
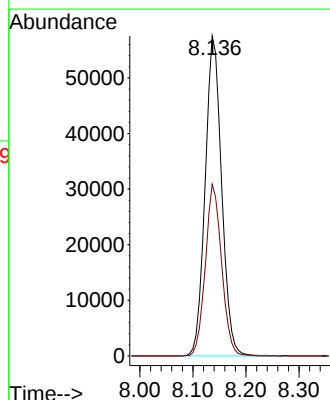
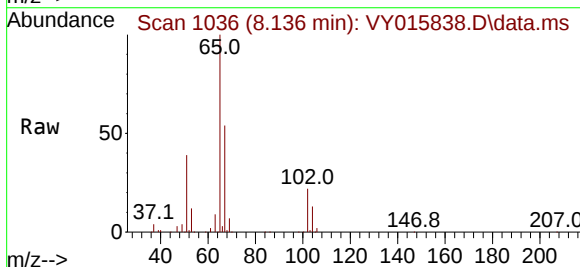
Instrument :
MSVOA_Y
ClientSampleId :
DTP-2

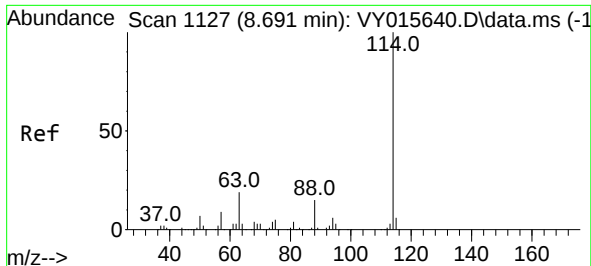
Tgt Ion:168 Resp: 200576
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 56.263 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015838.D
Acq: 04 Oct 2023 19:23

Tgt Ion: 65 Resp: 124167
Ion Ratio Lower Upper
65 100
67 52.9 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: VY015838.D

Acq: 04 Oct 2023 19:23

Instrument :

MSVOA_Y

ClientSampleId :

DTP-2

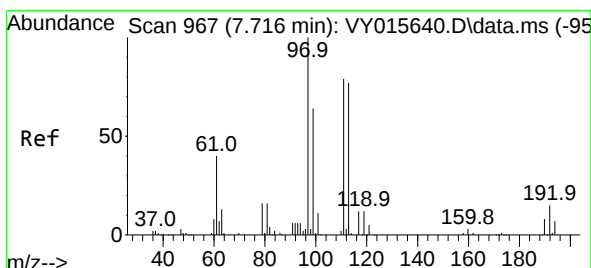
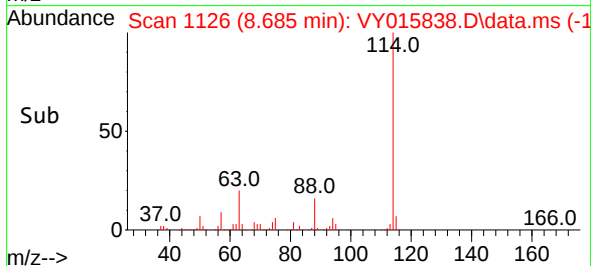
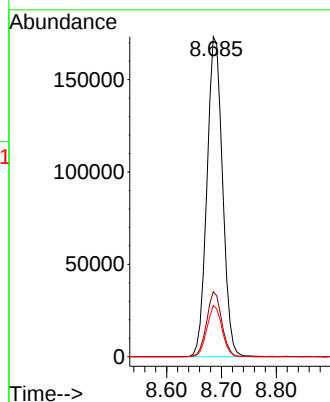
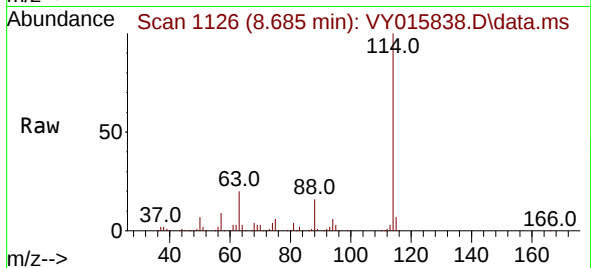
Tgt Ion:114 Resp: 340261

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.145 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015838.D

Acq: 04 Oct 2023 19:23

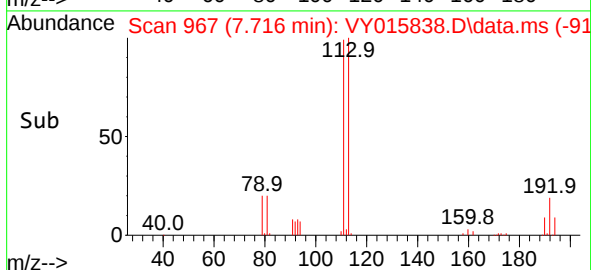
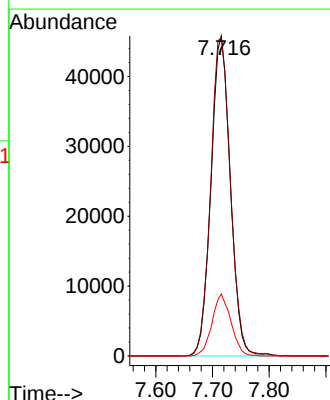
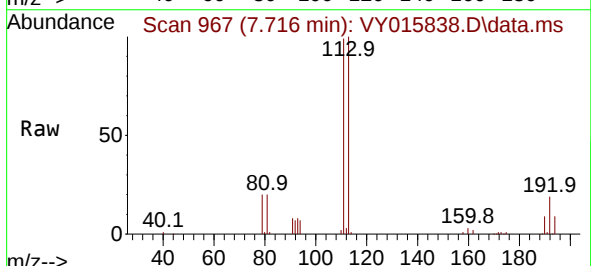
Tgt Ion:113 Resp: 108235

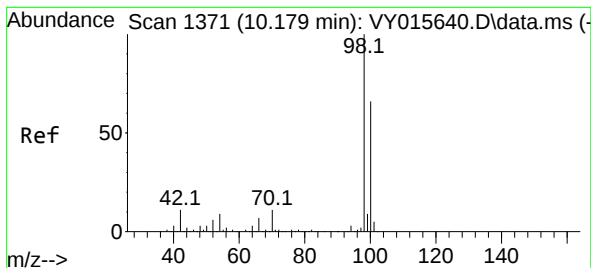
Ion Ratio Lower Upper

113 100

111 102.0 81.3 121.9

192 19.0 16.9 25.3





#50

Toluene-d8

Concen: 57.710 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015838.D

Acq: 04 Oct 2023 19:23

Instrument :

MSVOA_Y

ClientSampleId :

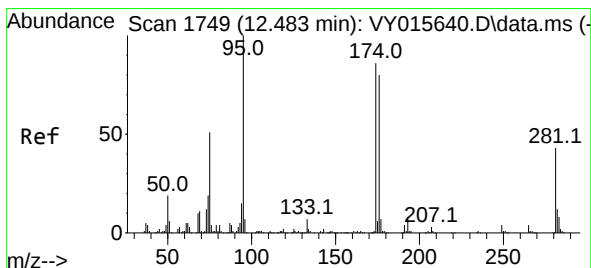
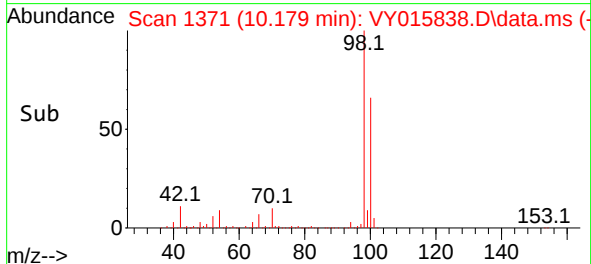
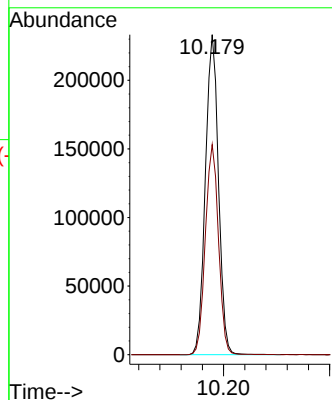
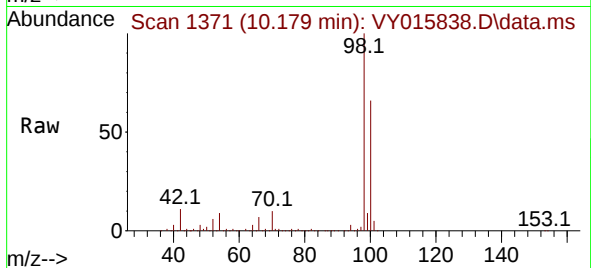
DTP-2

Tgt Ion: 98 Resp: 398506

Ion Ratio Lower Upper

98 100

100 65.9 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 51.137 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015838.D

Acq: 04 Oct 2023 19:23

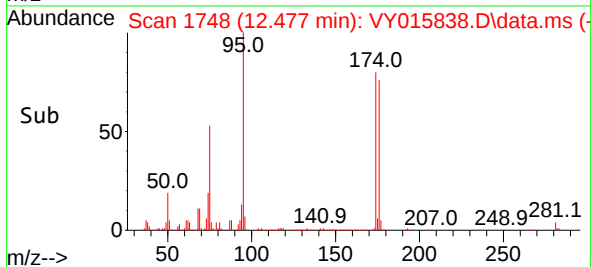
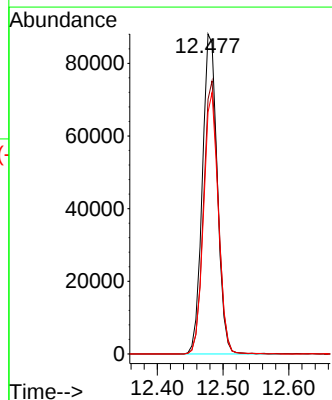
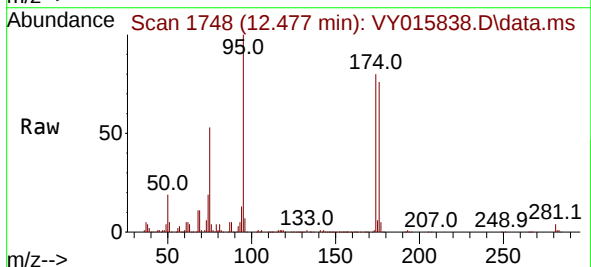
Tgt Ion: 95 Resp: 138576

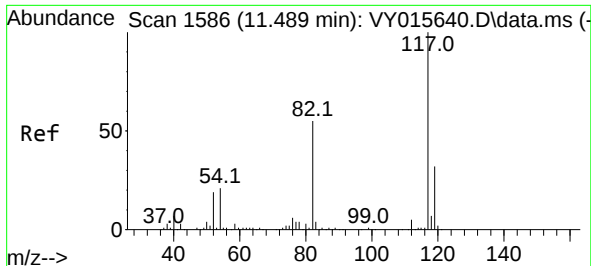
Ion Ratio Lower Upper

95 100

174 84.4 0.0 178.2

176 80.8 0.0 173.8

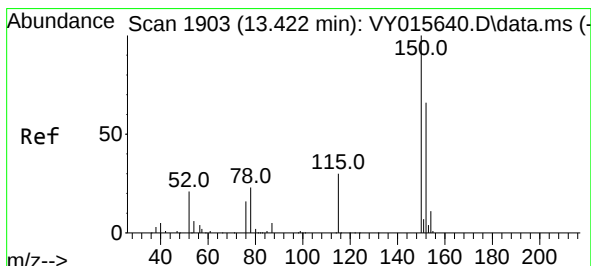
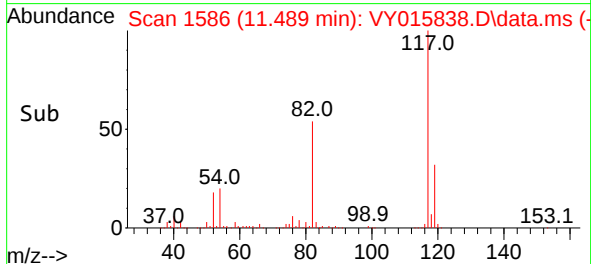
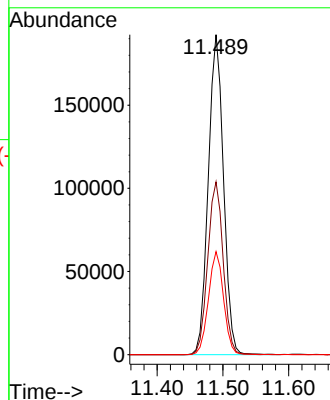
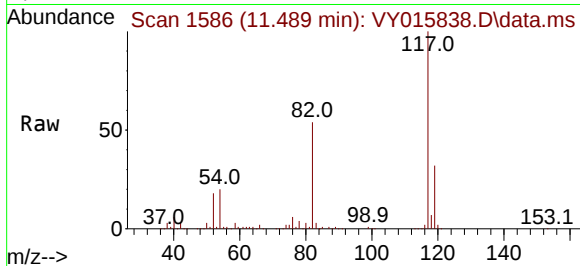




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015838.D
Acq: 04 Oct 2023 19:23

Instrument :
MSVOA_Y
ClientSampleId :
DTP-2

Tgt Ion:117 Resp: 309847
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 32.2 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: VY015838.D
Acq: 04 Oct 2023 19:23

Tgt Ion:152 Resp: 147161
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.5
150 154.7 0.0 348.8

