

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012299.D
 Acq On : 20 Jan 2023 18:33
 Operator : KP/MD
 Sample : 01232-09
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P-35B

Quant Time: Jan 23 02:24:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	37522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	64399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	69318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	33340	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	28941	96.728	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	193.460%#
35) Dibromofluoromethane	7.716	113	22145	64.943	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	129.880%
50) Toluene-d8	10.179	98	77406	66.988	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	133.980%
62) 4-Bromofluorobenzene	12.483	95	27205	56.595	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.200%

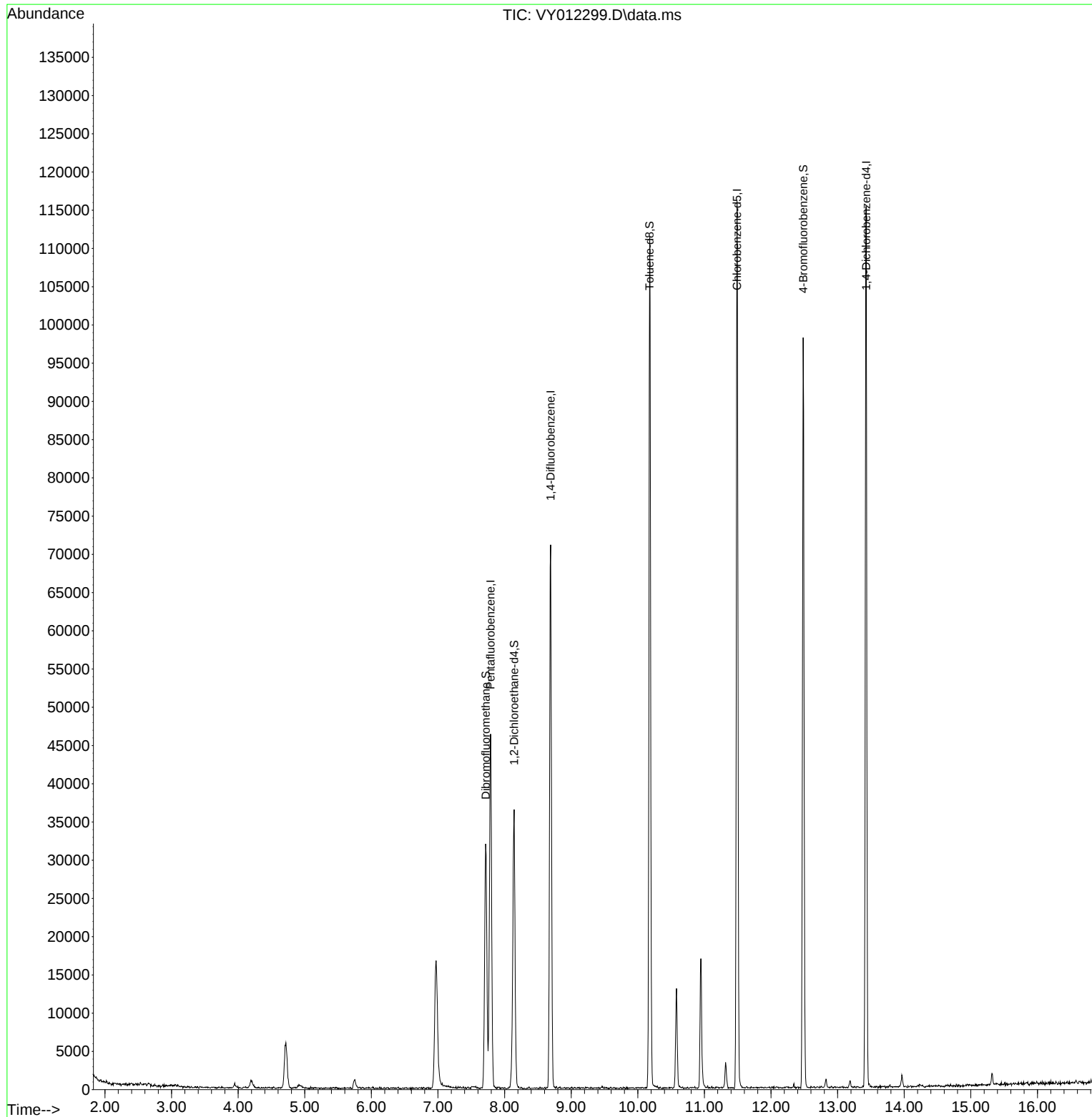
Target Compounds	Qvalue

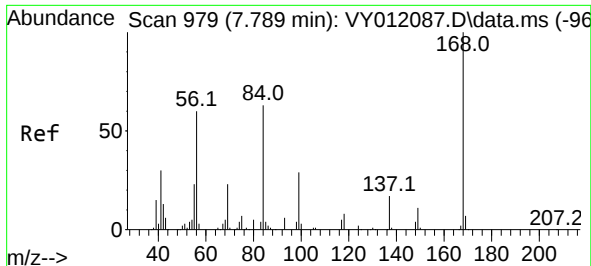
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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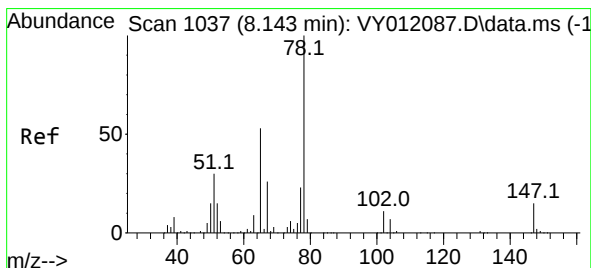
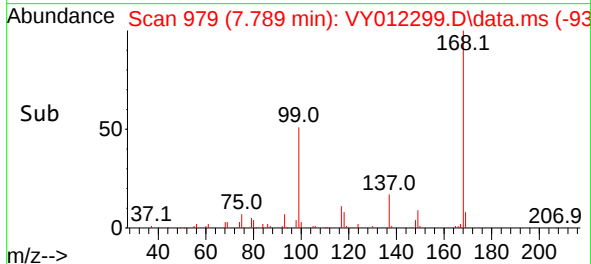
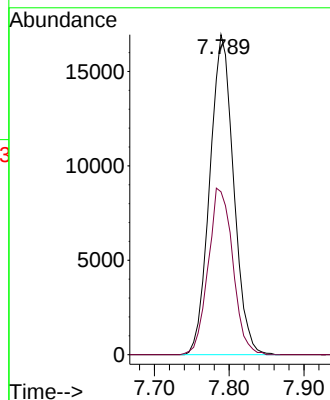
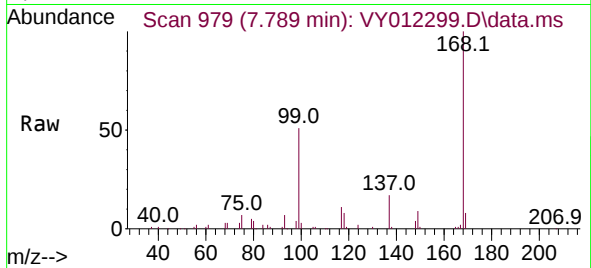




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012299.D
Acq: 20 Jan 2023 18:33

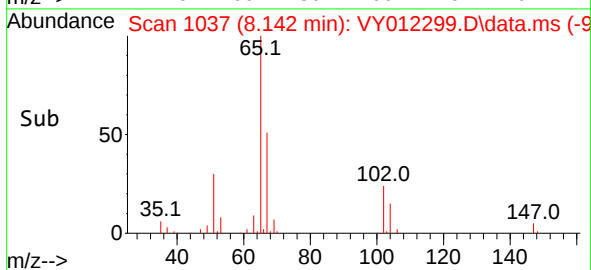
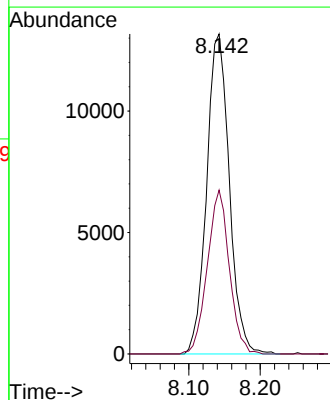
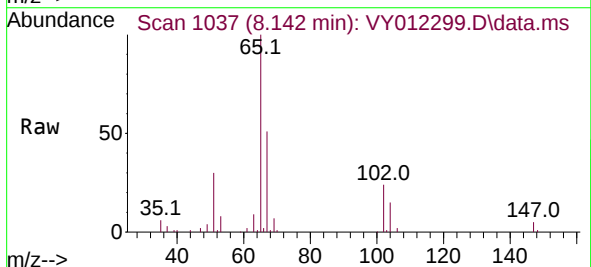
Instrument :
MSVOA_Y
ClientSampleId :
B-P-35B

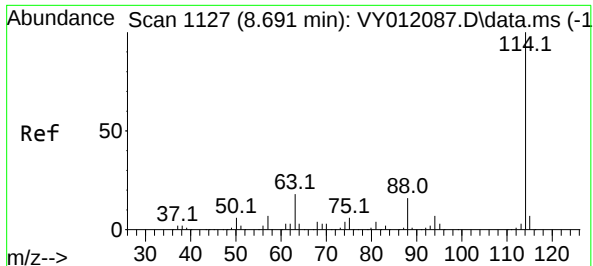
Tgt Ion:168 Resp: 37522
Ion Ratio Lower Upper
168 100
99 50.9 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 96.728 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012299.D
Acq: 20 Jan 2023 18:33

Tgt Ion: 65 Resp: 28941
Ion Ratio Lower Upper
65 100
67 49.8 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012299.D

Acq: 20 Jan 2023 18:33

Instrument :

MSVOA_Y

ClientSampleId :

B-P-35B

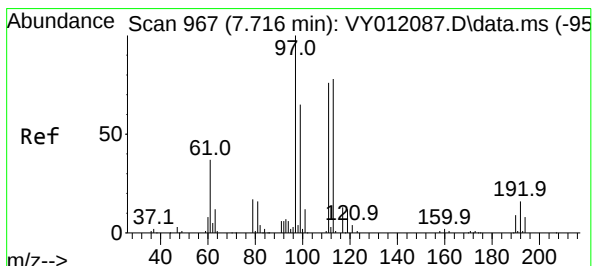
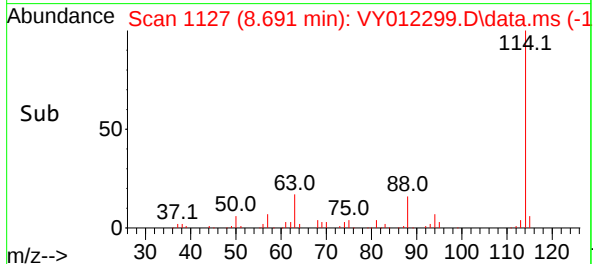
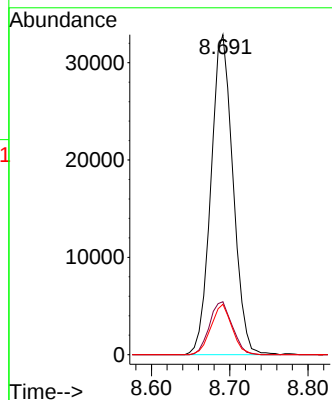
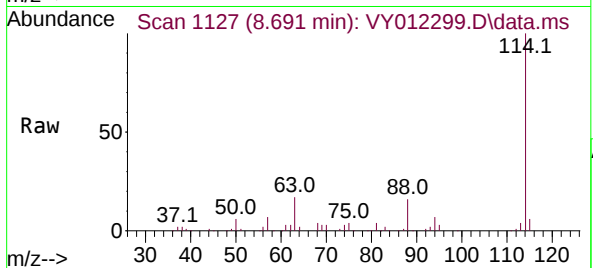
Tgt Ion:114 Resp: 64399

Ion Ratio Lower Upper

114 100

63 16.5 0.0 39.6

88 15.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 64.943 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012299.D

Acq: 20 Jan 2023 18:33

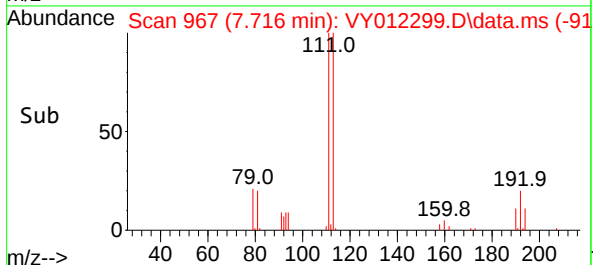
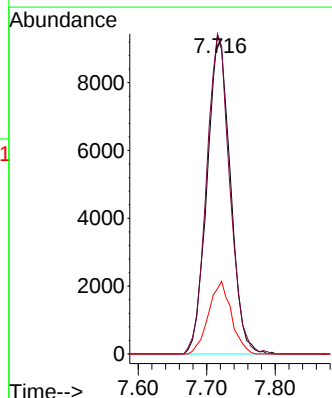
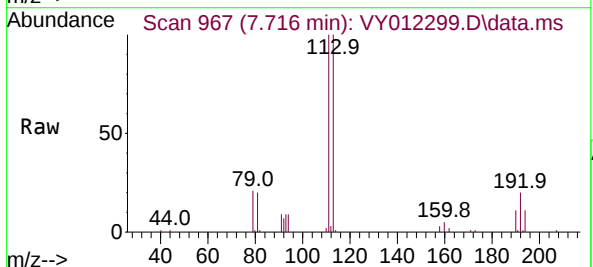
Tgt Ion:113 Resp: 22145

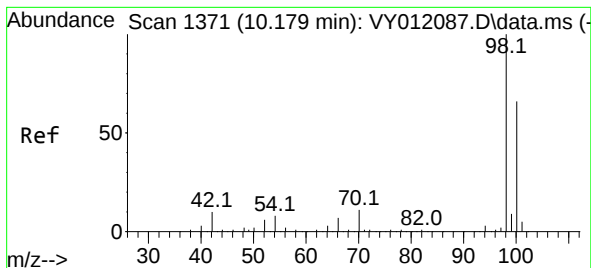
Ion Ratio Lower Upper

113 100

111 100.6 83.0 124.4

192 22.3 16.0 24.0





#50

Toluene-d8

Concen: 66.988 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012299.D

Acq: 20 Jan 2023 18:33

Instrument :

MSVOA_Y

ClientSampleId :

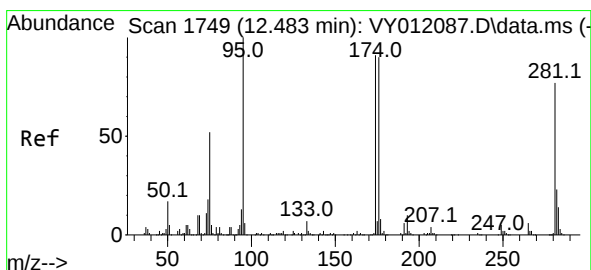
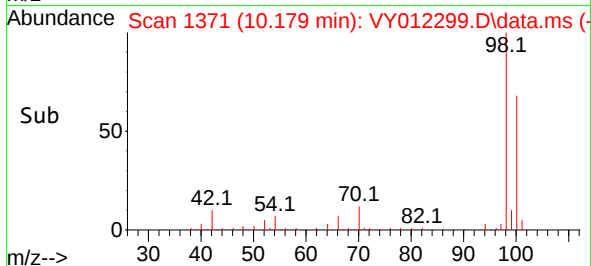
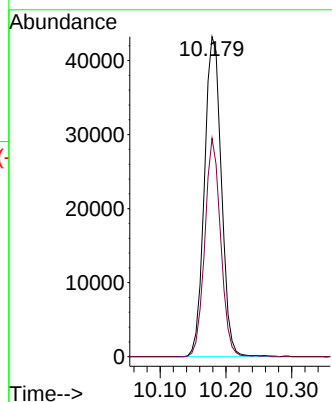
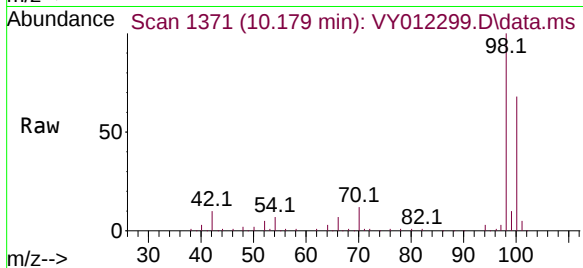
B-P-35B

Tgt Ion: 98 Resp: 77406

Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 56.595 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012299.D

Acq: 20 Jan 2023 18:33

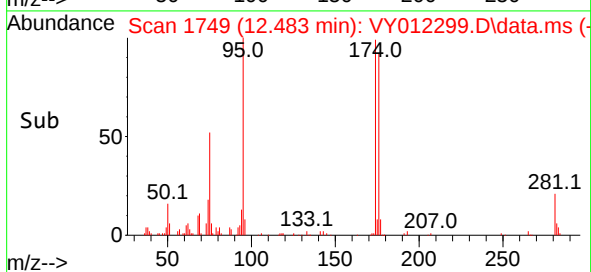
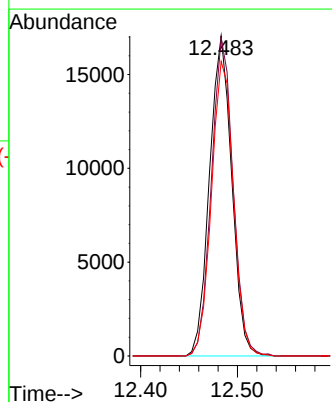
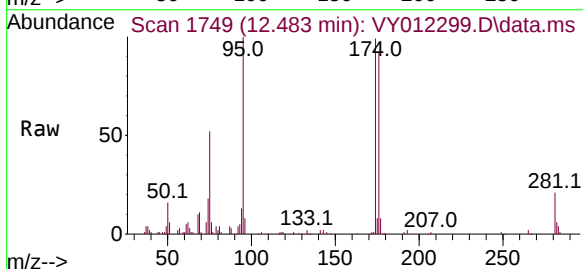
Tgt Ion: 95 Resp: 27205

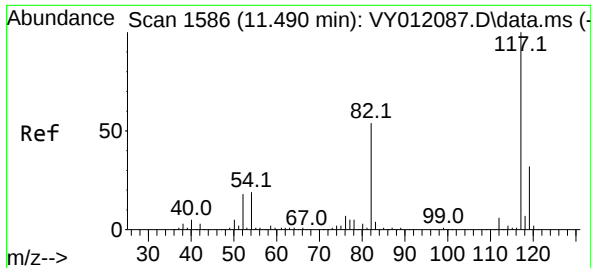
Ion Ratio Lower Upper

95 100

174 97.2 0.0 172.0

176 91.3 0.0 167.6

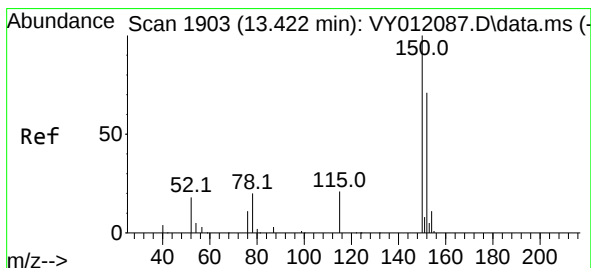
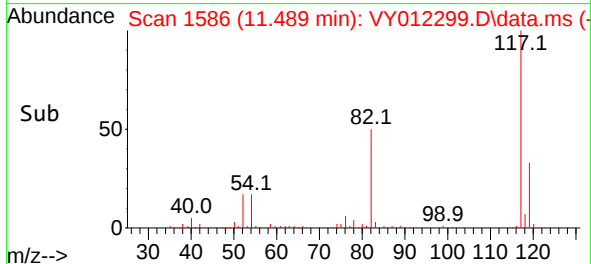
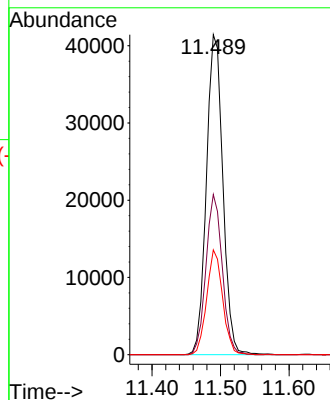
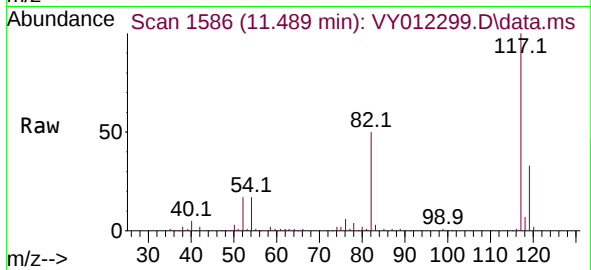




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012299.D
Acq: 20 Jan 2023 18:33

Instrument :
MSVOA_Y
ClientSampleId :
B-P-35B

Tgt Ion:117 Resp: 69318
Ion Ratio Lower Upper
117 100
82 50.0 44.8 67.2
119 32.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012299.D
Acq: 20 Jan 2023 18:33

Tgt Ion:152 Resp: 33340
Ion Ratio Lower Upper
152 100
115 53.3 29.1 87.3
150 152.4 0.0 342.6

