

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031723\
 Data File : VY013000.D
 Acq On : 17 Mar 2023 20:29
 Operator : KP/MD
 Sample : 01974-06
 Misc : 5.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SHELL-ROAD-2

Quant Time: Mar 18 05:50:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	73772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	124733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	112353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	45420	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	52099	71.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	142.260%
35) Dibromofluoromethane	7.710	113	44336	58.898	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.800%
50) Toluene-d8	10.179	98	151490	55.048	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.100%
62) 4-Bromofluorobenzene	12.477	95	43308	46.625	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.260%

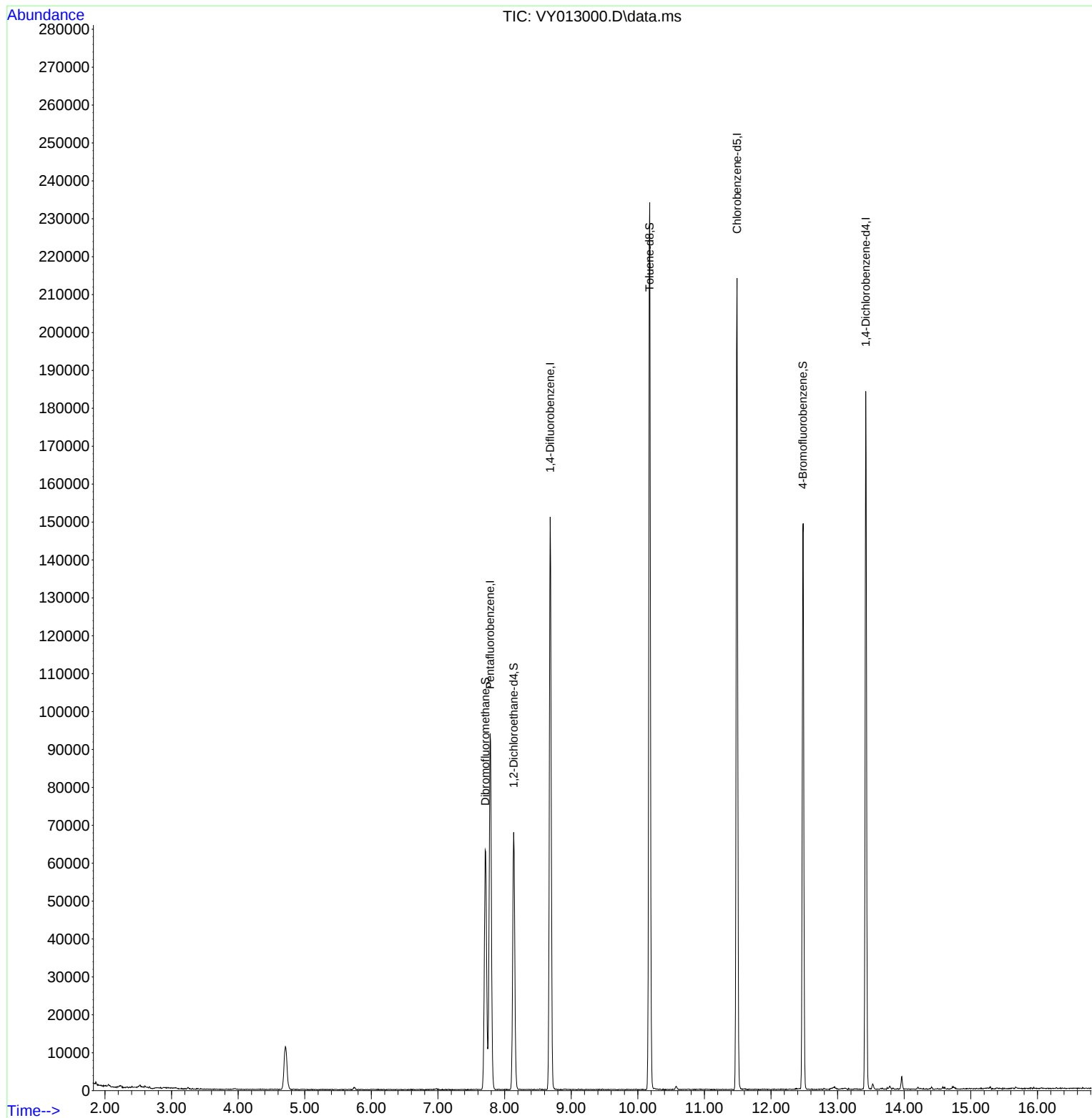
Target Compounds	Qvalue

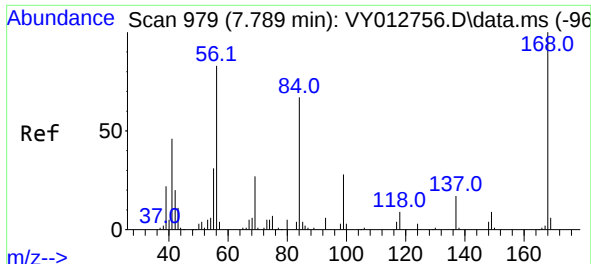
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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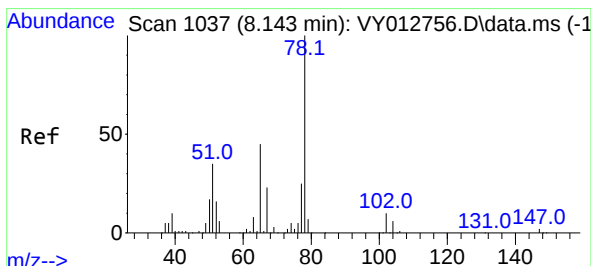
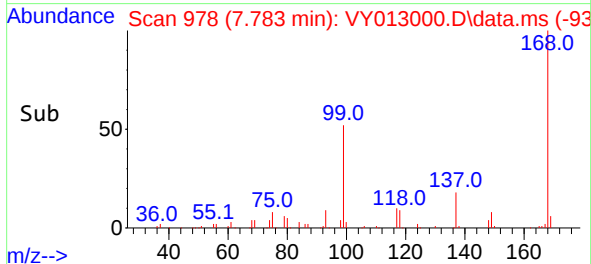
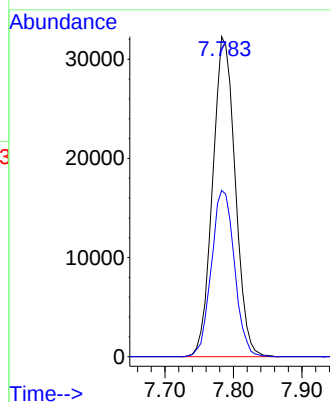
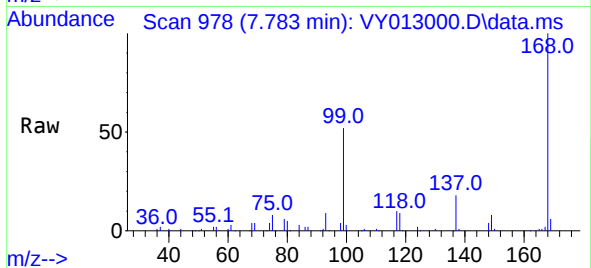




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013000.D
Acq: 17 Mar 2023 20:29

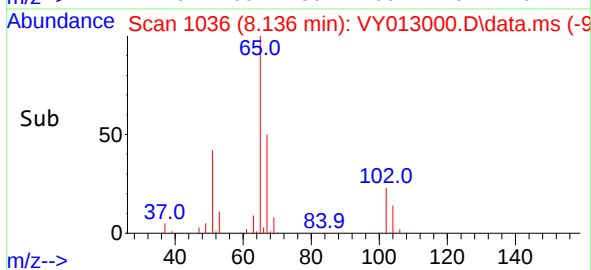
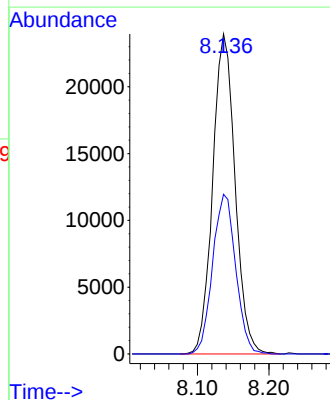
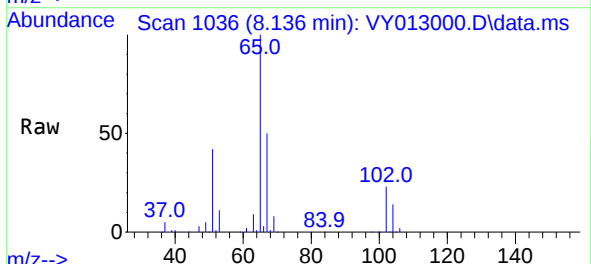
Instrument :
MSVOA_Y
ClientSampleId :
SHELL-ROAD-2

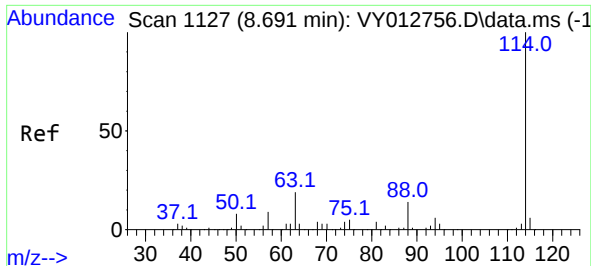
Tgt Ion:168 Resp: 73772
Ion Ratio Lower Upper
168 100
99 51.9 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 71.129 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY013000.D
Acq: 17 Mar 2023 20:29

Tgt Ion: 65 Resp: 52099
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013000.D

Acq: 17 Mar 2023 20:29

Instrument :

MSVOA_Y

ClientSampleId :

SHELL-ROAD-2

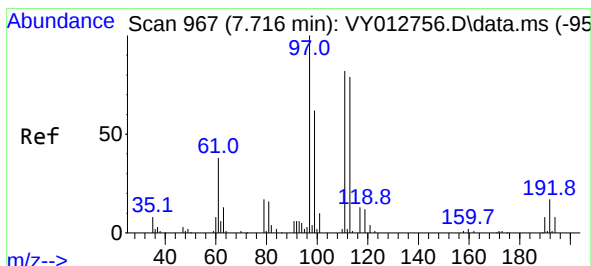
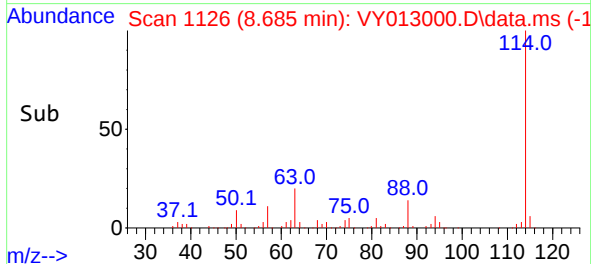
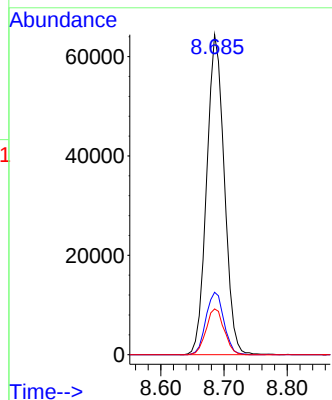
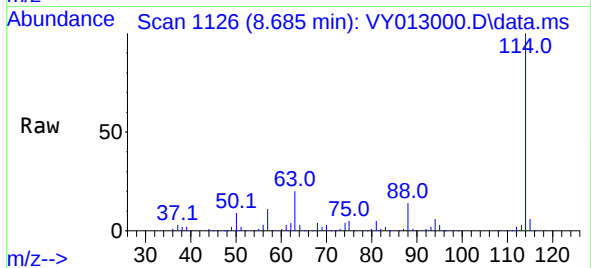
Tgt Ion:114 Resp: 124733

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.4

88 14.3 0.0 28.6



#35

Dibromofluoromethane

Concen: 58.898 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013000.D

Acq: 17 Mar 2023 20:29

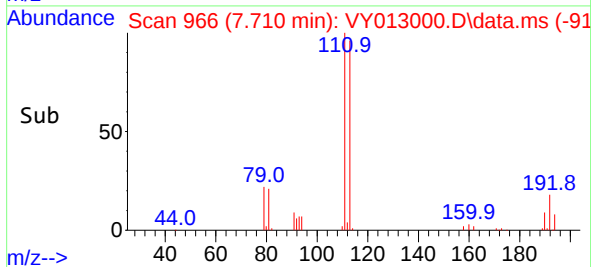
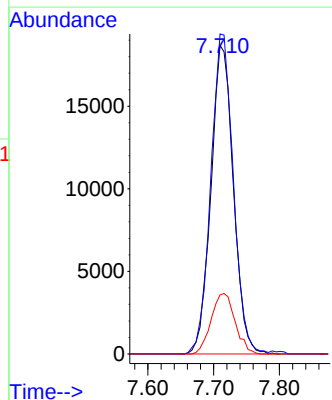
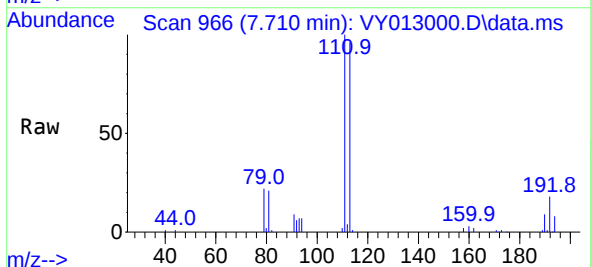
Tgt Ion:113 Resp: 44336

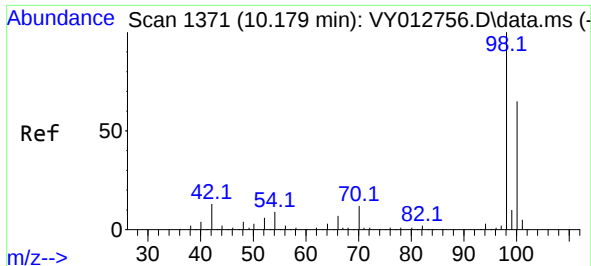
Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.2

192 20.9 16.8 25.2

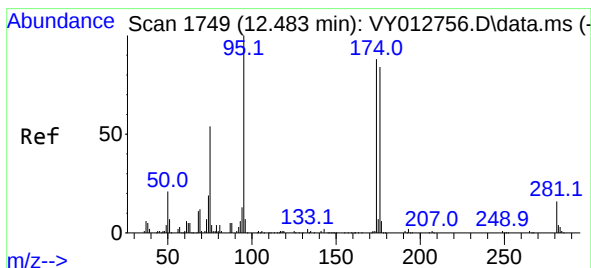
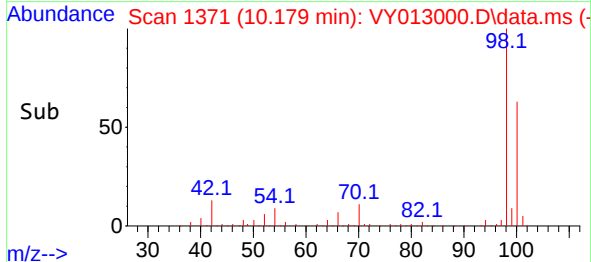
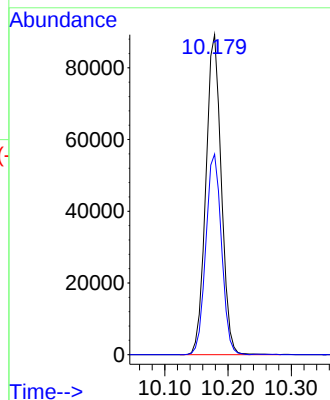
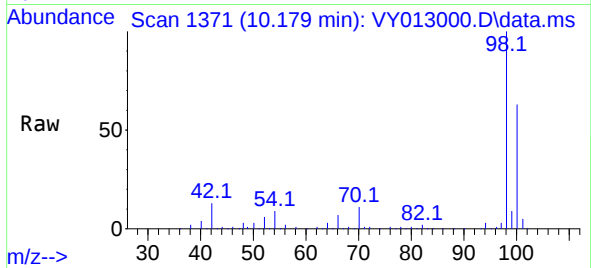




#50
Toluene-d8
Concen: 55.048 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013000.D
Acq: 17 Mar 2023 20:29

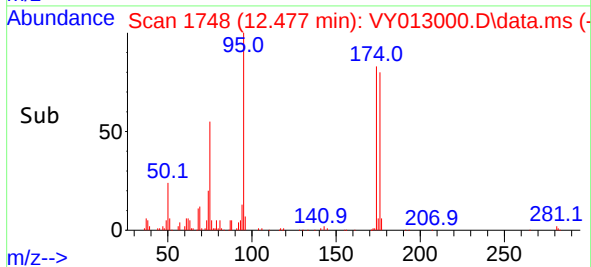
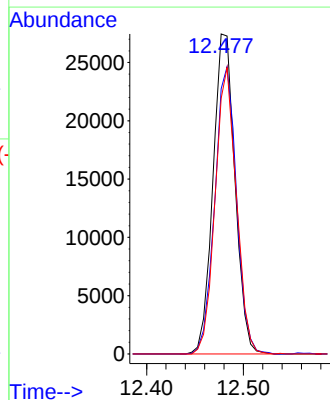
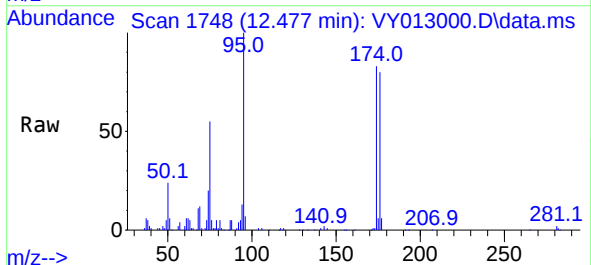
Instrument :
MSVOA_Y
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SHELL-ROAD-2

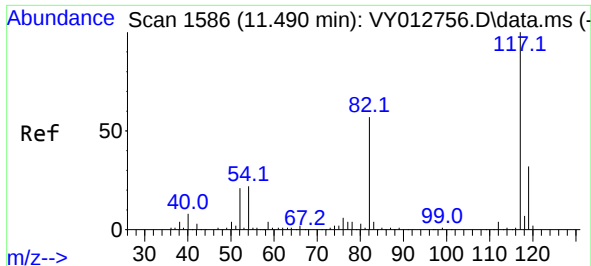
Tgt Ion: 98 Resp: 151490
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 46.625 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013000.D
Acq: 17 Mar 2023 20:29

Tgt Ion: 95 Resp: 43308
Ion Ratio Lower Upper
95 100
174 88.7 0.0 176.6
176 86.1 0.0 170.2

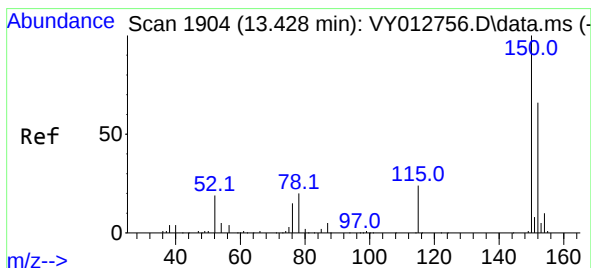
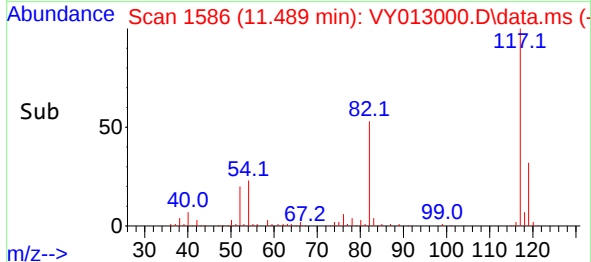
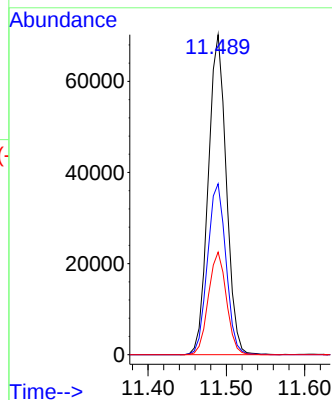
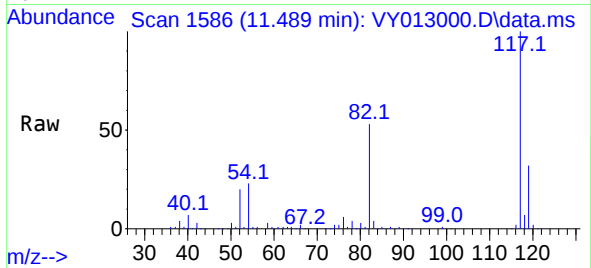




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY013000.D
Acq: 17 Mar 2023 20:29

Instrument :
MSVOA_Y
ClientSampleId :
SHELL-ROAD-2

Tgt Ion:117 Resp: 112353
Ion Ratio Lower Upper
117 100
82 53.4 45.4 68.0
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013000.D
Acq: 17 Mar 2023 20:29

Tgt Ion:152 Resp: 45420
Ion Ratio Lower Upper
152 100
115 56.8 27.1 81.3
150 158.8 0.0 347.8

