

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013798.D
 Acq On : 18 May 2023 13:52
 Operator : KP/MD
 Sample : 02828-03
 Misc : 4.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-3

Quant Time: May 19 03:21:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	171029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	300509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	291922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133804	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	121577	61.193	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.380%
35) Dibromofluoromethane	7.728	113	101135	52.482	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.960%
50) Toluene-d8	10.185	98	368094	50.385	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.760%
62) 4-Bromofluorobenzene	12.483	95	122020	50.284	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.560%

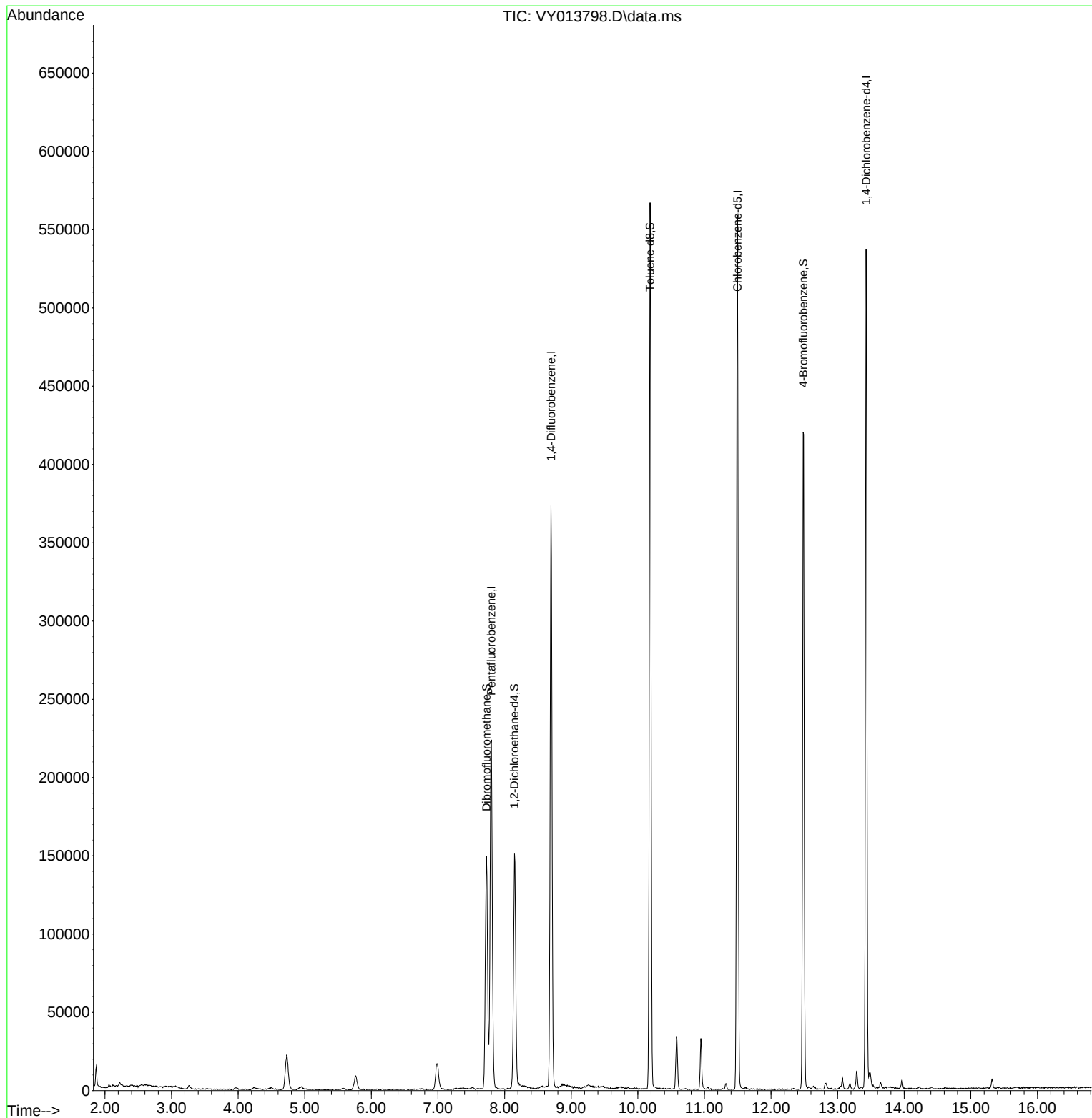
Target Compounds	Qvalue

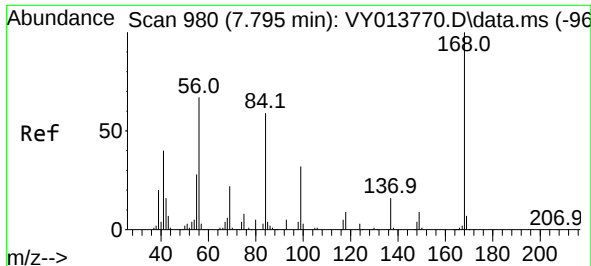
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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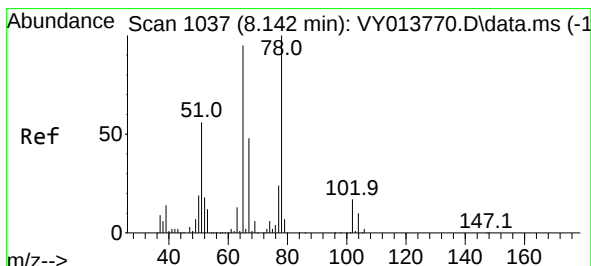
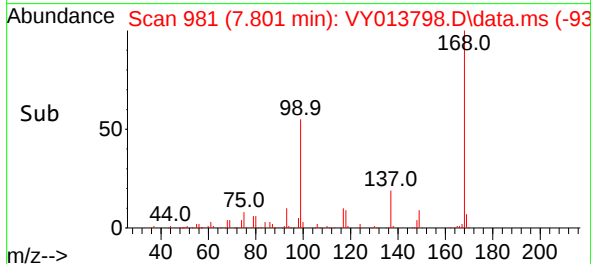
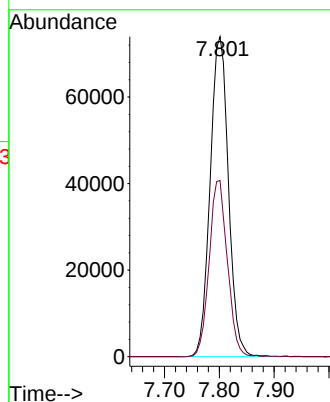
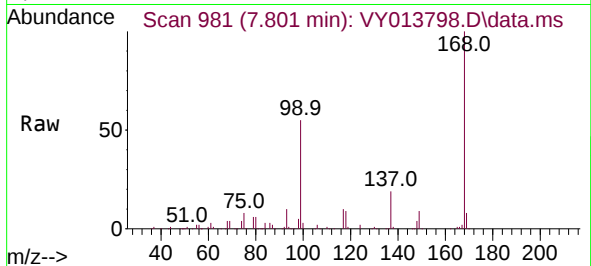




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

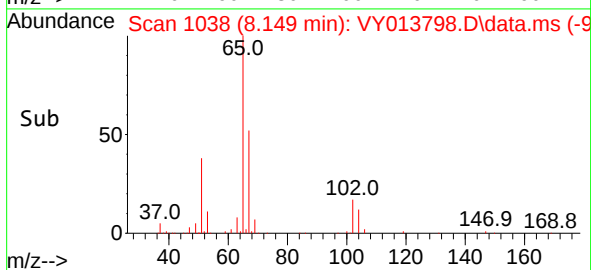
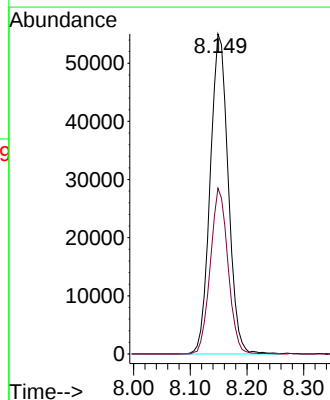
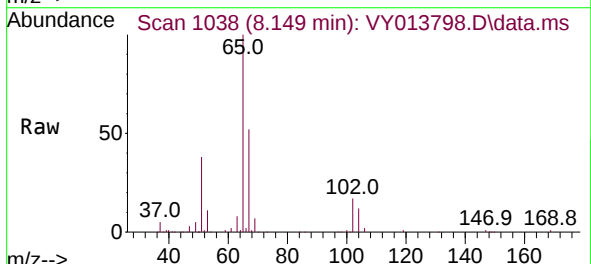
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

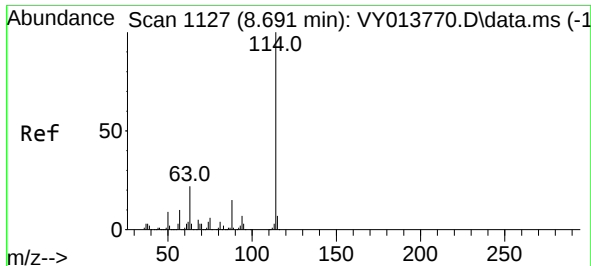
Tgt Ion:168 Resp: 171029
Ion Ratio Lower Upper
168 100
99 55.0 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 61.193 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

Tgt Ion: 65 Resp: 121577
Ion Ratio Lower Upper
65 100
67 50.7 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY013798.D

Acq: 18 May 2023 13:52

Instrument :

MSVOA_Y

ClientSampleId :

SB-3

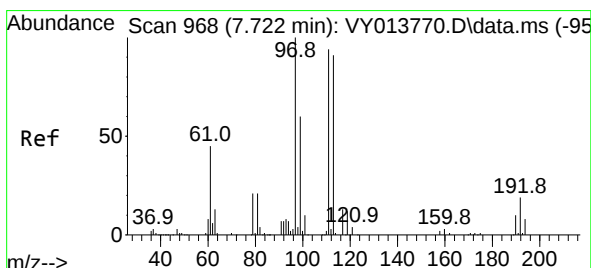
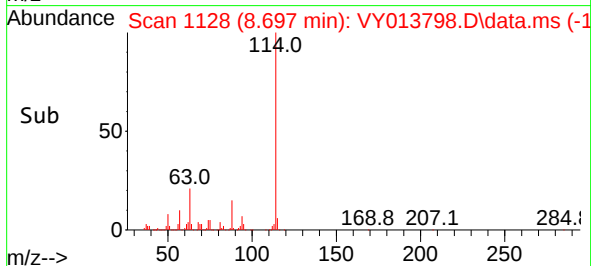
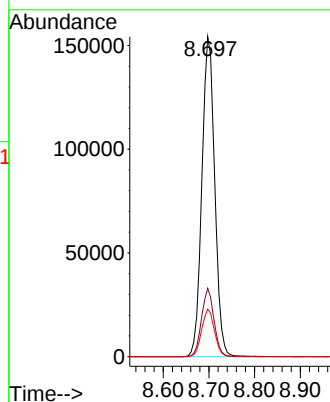
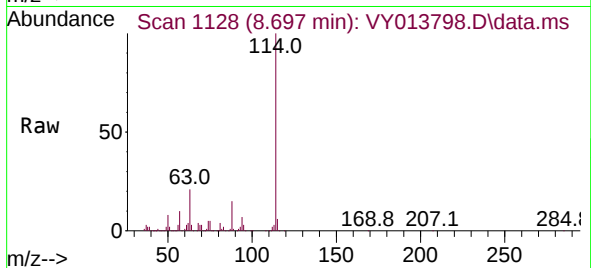
Tgt Ion:114 Resp: 300509

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.8

88 14.9 0.0 30.8



#35

Dibromofluoromethane

Concen: 52.482 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY013798.D

Acq: 18 May 2023 13:52

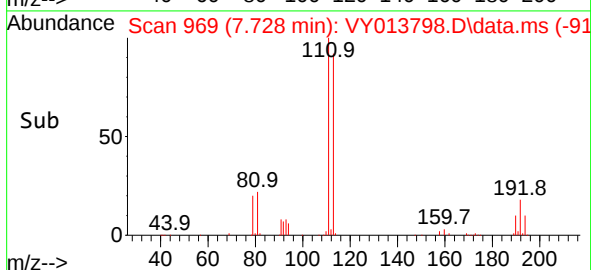
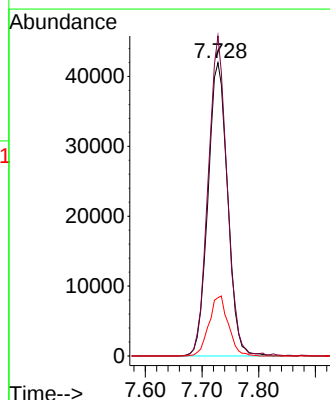
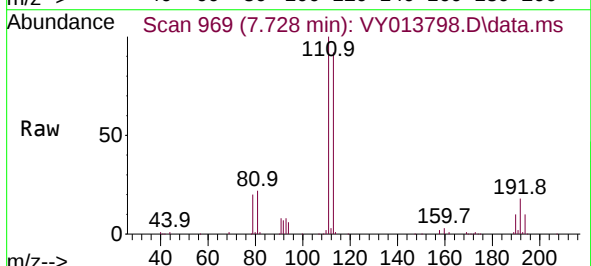
Tgt Ion:113 Resp: 101135

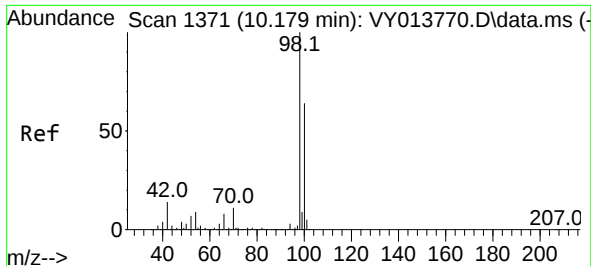
Ion Ratio Lower Upper

113 100

111 105.1 82.3 123.5

192 20.0 16.0 24.0

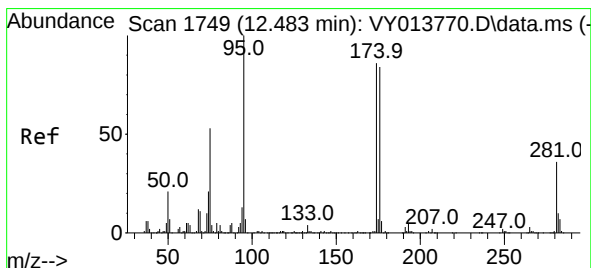
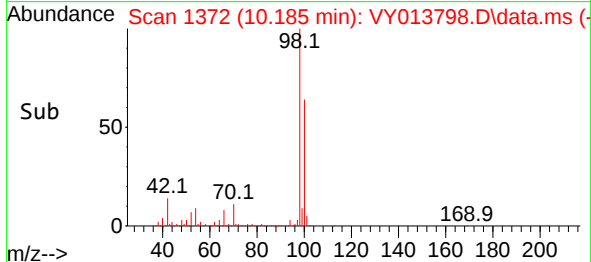
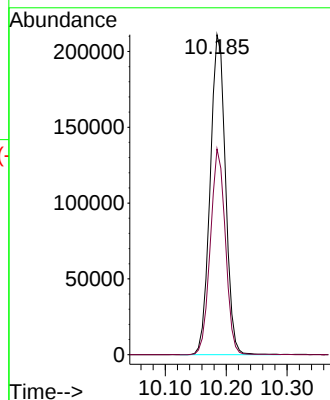
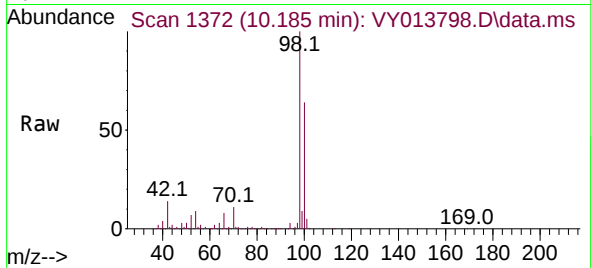




#50
Toluene-d8
Concen: 50.385 ug/l
RT: 10.185 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

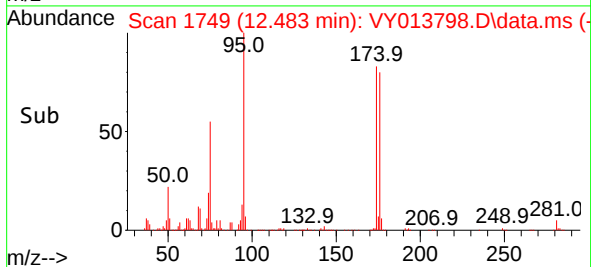
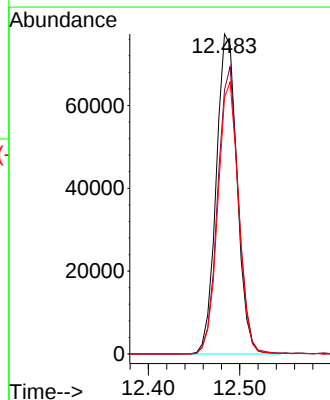
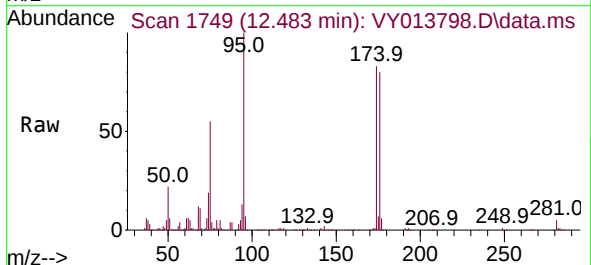
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

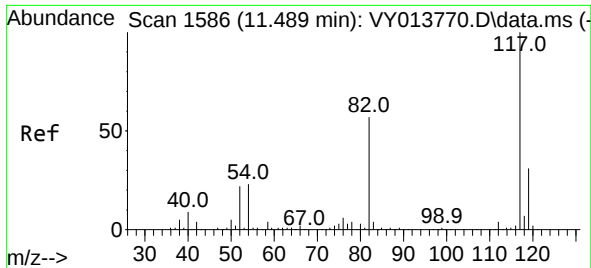
Tgt Ion: 98 Resp: 368094
Ion Ratio Lower Upper
98 100
100 63.1 51.0 76.6



#62
4-Bromofluorobenzene
Concen: 50.284 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

Tgt Ion: 95 Resp: 122020
Ion Ratio Lower Upper
95 100
174 89.6 0.0 168.8
176 84.9 0.0 165.2

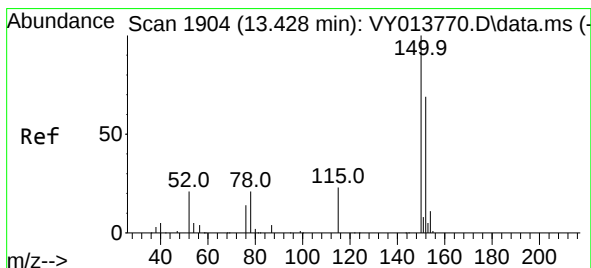
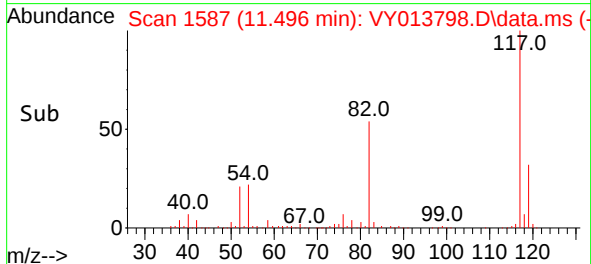
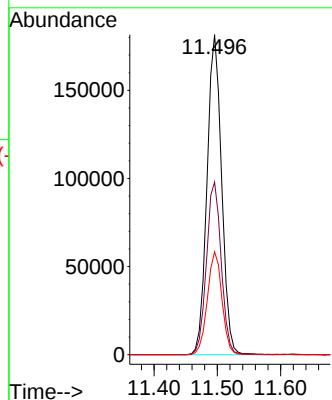
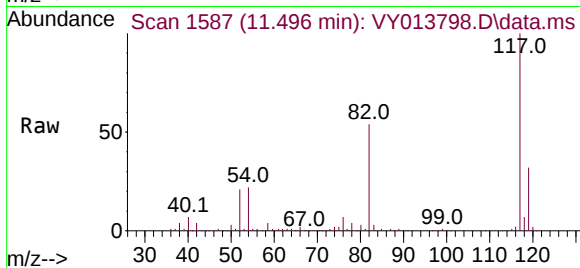




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

Instrument :
MSVOA_Y
ClientSampleId :
SB-3

Tgt Ion:117 Resp: 291922
Ion Ratio Lower Upper
117 100
82 53.9 45.5 68.3
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013798.D
Acq: 18 May 2023 13:52

Tgt Ion:152 Resp: 133804
Ion Ratio Lower Upper
152 100
115 57.0 28.5 85.5
150 156.1 0.0 347.0

