

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052423\
 Data File : VY013852.D
 Acq On : 24 May 2023 17:32
 Operator : KP/MD
 Sample : 02848-20
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP6

Quant Time: May 25 07:09:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	166367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	287650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	285087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	132347	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	110755	57.544	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.080%
35) Dibromofluoromethane	7.716	113	97176	52.311	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.620%
50) Toluene-d8	10.179	98	354076	50.150	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.300%
62) 4-Bromofluorobenzene	12.477	95	115926	49.396	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.800%

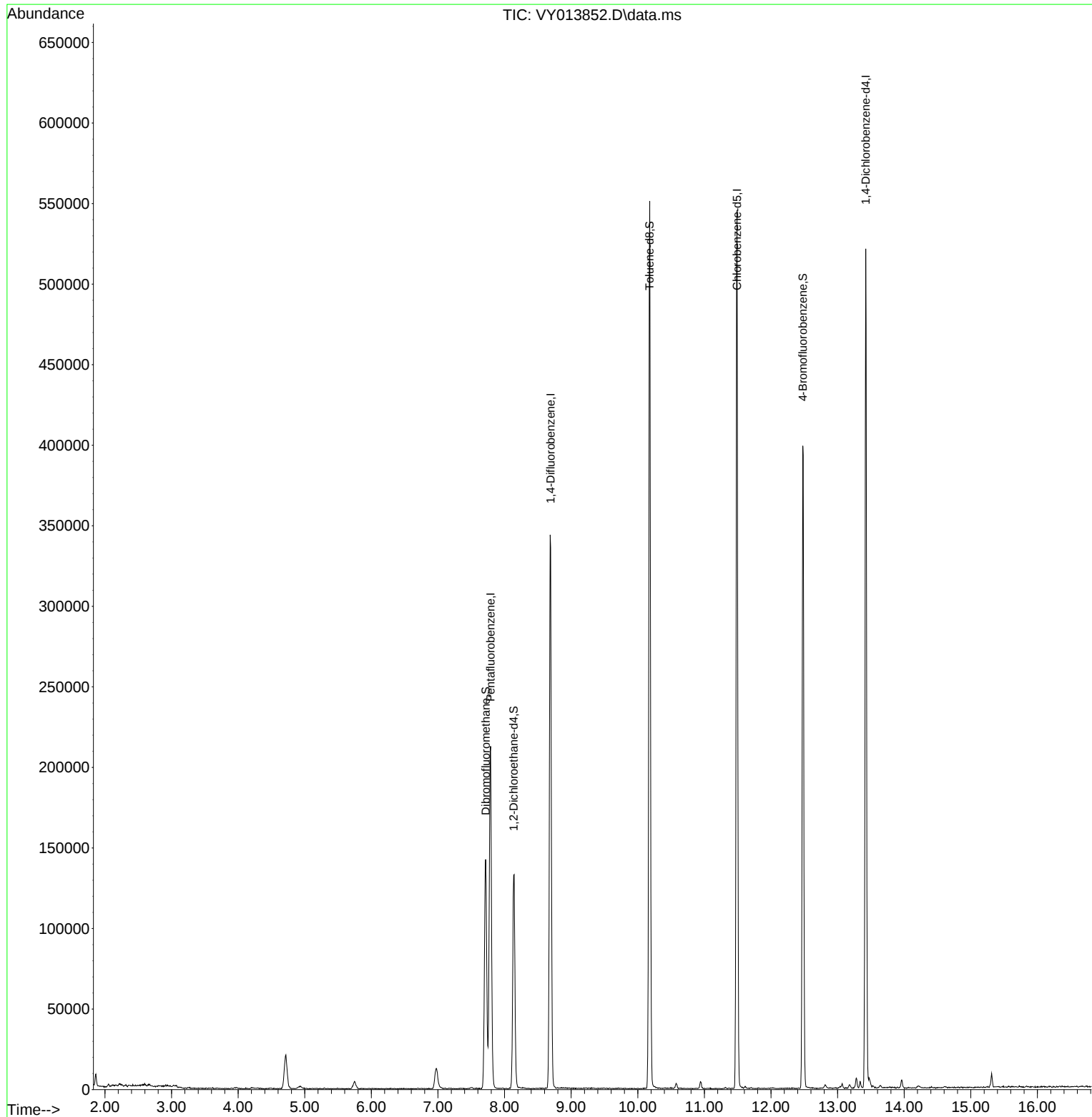
Target Compounds	Qvalue

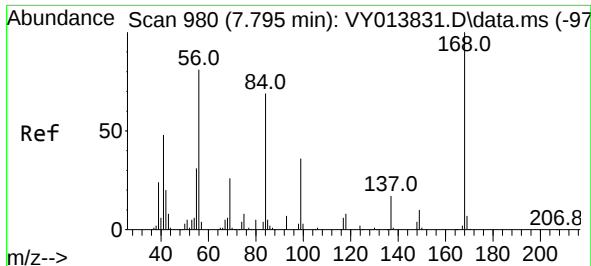
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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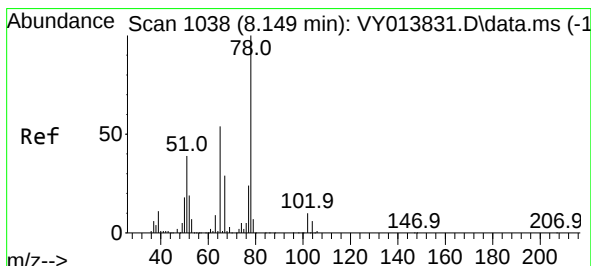
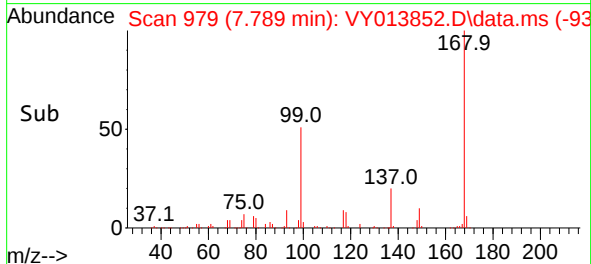
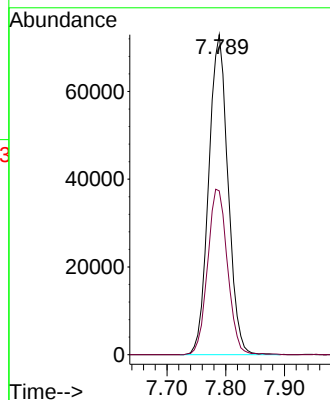
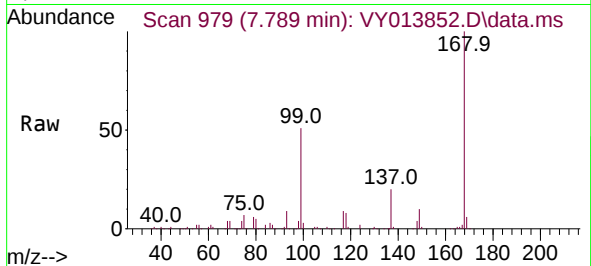




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013852.D
Acq: 24 May 2023 17:32

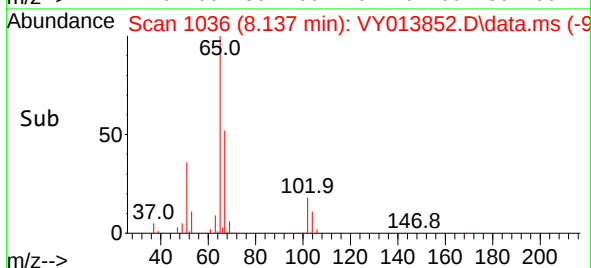
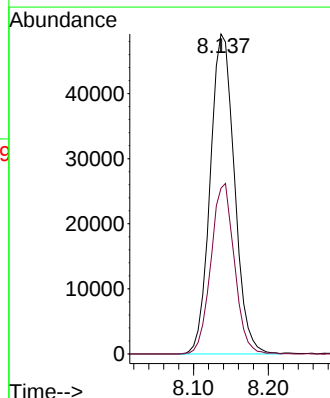
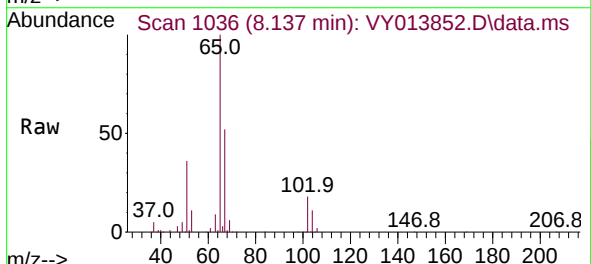
Instrument :
MSVOA_Y
ClientSampleId :
TP6

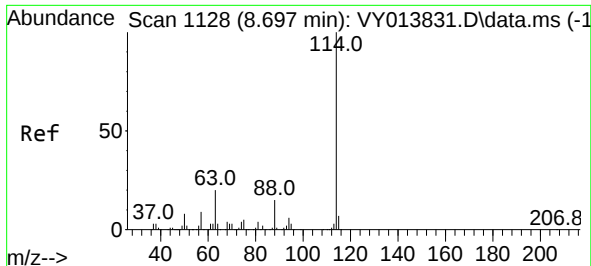
Tgt Ion:168 Resp: 166367
Ion Ratio Lower Upper
168 100
99 51.2 43.4 65.2



#33
1,2-Dichloroethane-d4
Concen: 57.544 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VY013852.D
Acq: 24 May 2023 17:32

Tgt Ion: 65 Resp: 110755
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.4

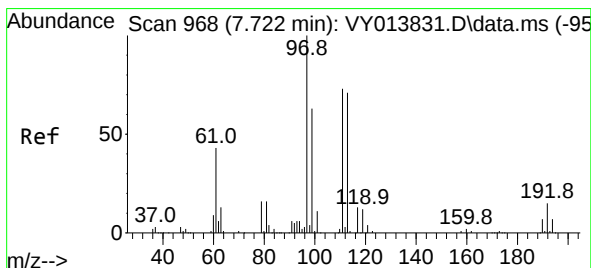
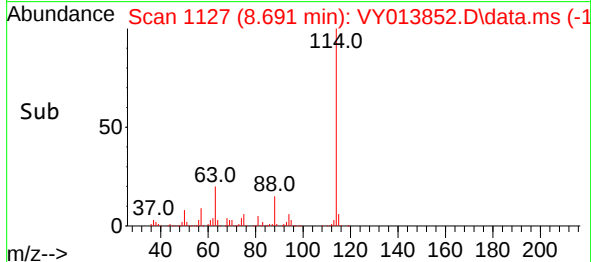
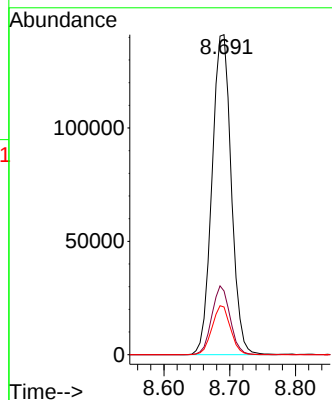
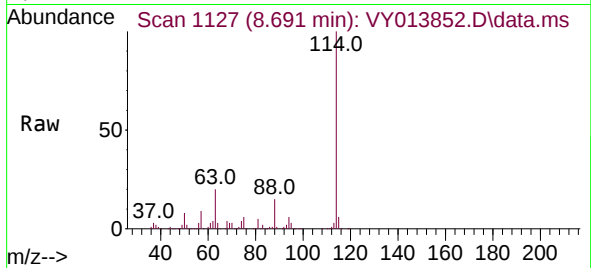




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VY013852.D
Acq: 24 May 2023 17:32

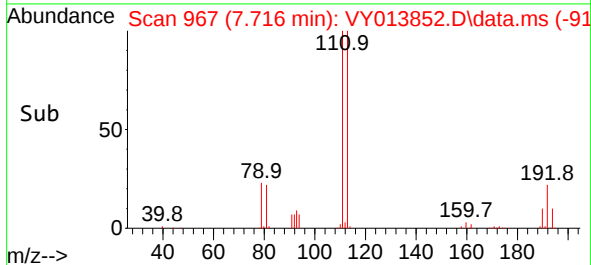
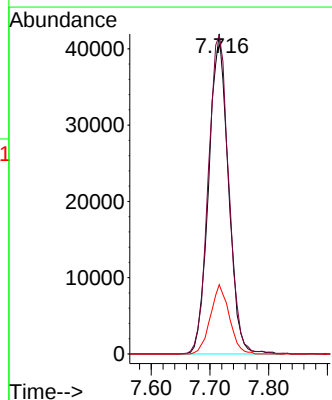
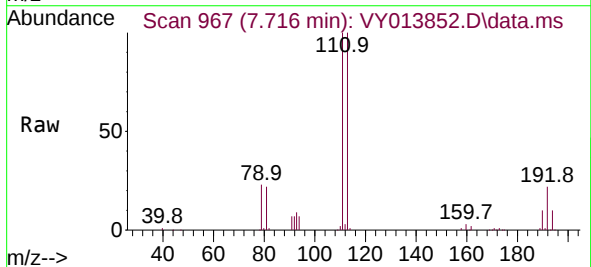
Instrument :
MSVOA_Y
ClientSampleId :
TP6

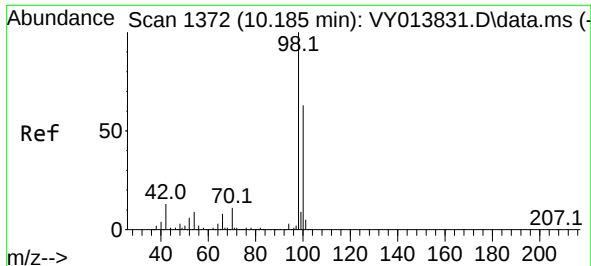
Tgt Ion:114 Resp: 287650
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.2
88 14.9 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.311 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY013852.D
Acq: 24 May 2023 17:32

Tgt Ion:113 Resp: 97176
Ion Ratio Lower Upper
113 100
111 103.9 80.4 120.6
192 20.8 16.6 25.0

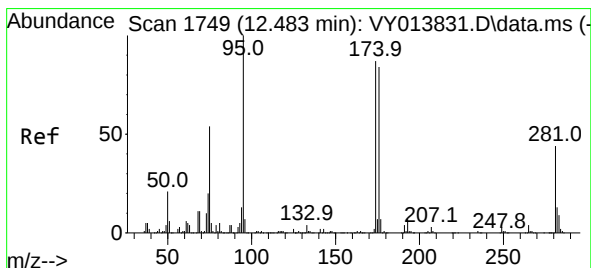
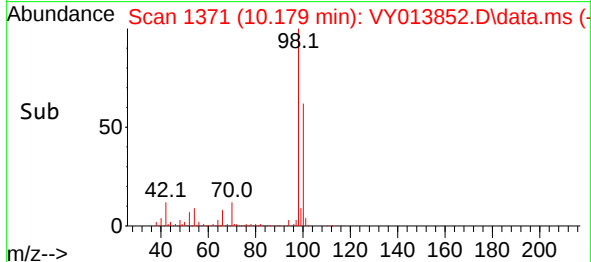
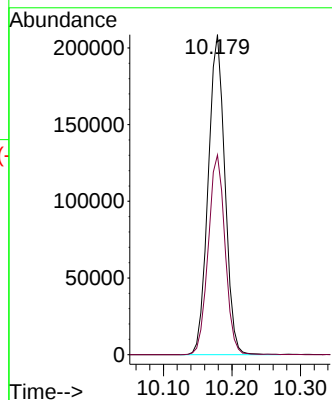
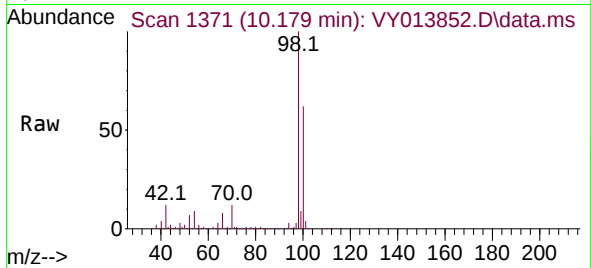




#50
Toluene-d8
Concen: 50.150 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013852.D
Acq: 24 May 2023 17:32

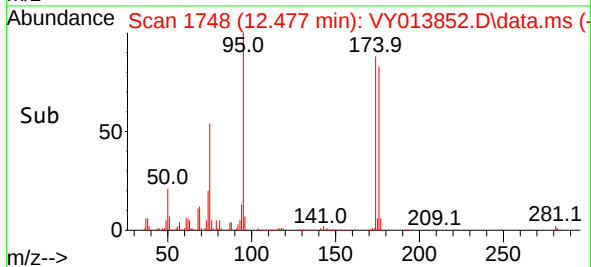
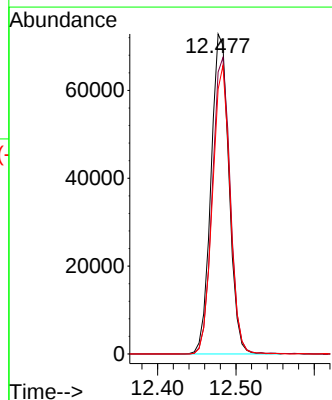
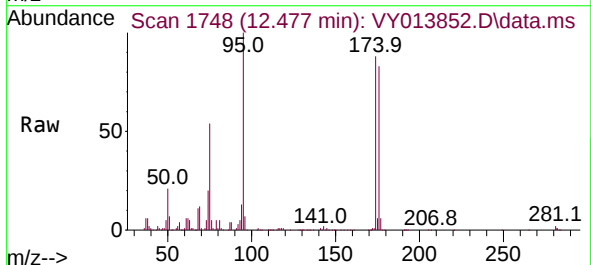
Instrument :
MSVOA_Y
ClientSampleId :
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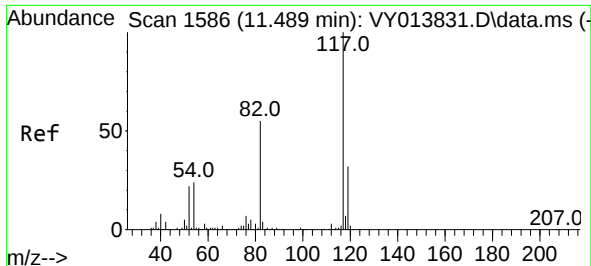
Tgt Ion: 98 Resp: 354076
Ion Ratio Lower Upper
98 100
100 62.7 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 49.396 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013852.D
Acq: 24 May 2023 17:32

Tgt Ion: 95 Resp: 115926
Ion Ratio Lower Upper
95 100
174 92.5 0.0 176.0
176 88.3 0.0 170.2

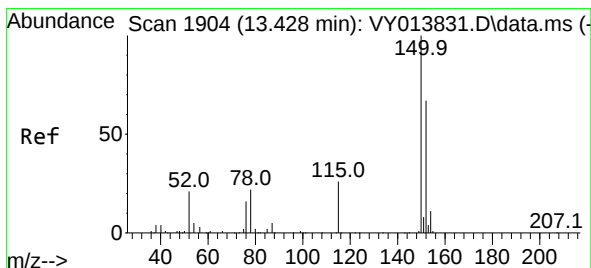
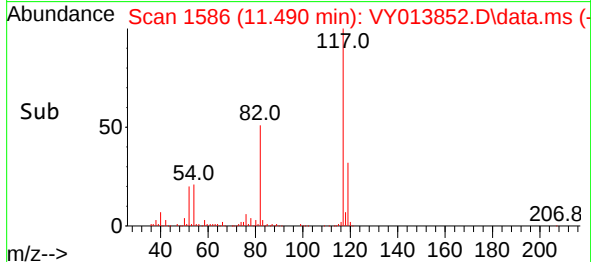
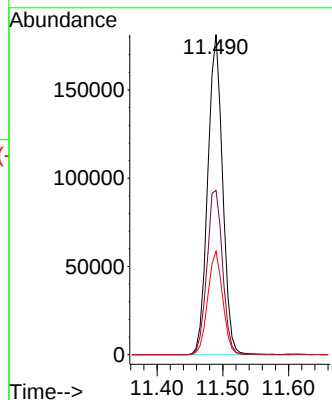
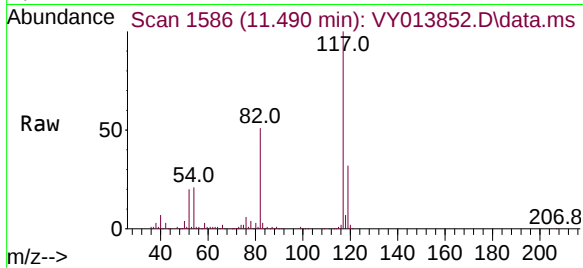




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013852.D
Acq: 24 May 2023 17:32

Instrument :
MSVOA_Y
ClientSampleId :
TP6

Tgt Ion:117 Resp: 285087
Ion Ratio Lower Upper
117 100
82 51.3 44.2 66.4
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013852.D
Acq: 24 May 2023 17:32

Tgt Ion:152 Resp: 132347
Ion Ratio Lower Upper
152 100
115 55.8 28.8 86.5
150 154.3 0.0 353.4

