

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112823\
 Data File : VY016520.D
 Acq On : 28 Nov 2023 15:00
 Operator : SY/MD
 Sample : 05556-03
 Misc : 10.30g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1-GRAB

Quant Time: Nov 29 03:08:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	101325	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	177639	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	172224	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	77196	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	61529	66.441	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.880%
35) Dibromofluoromethane	7.746	113	56516	56.006	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.020%
50) Toluene-d8	10.203	98	205777	50.286	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.580%
62) 4-Bromofluorobenzene	12.501	95	71429	53.744	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.480%

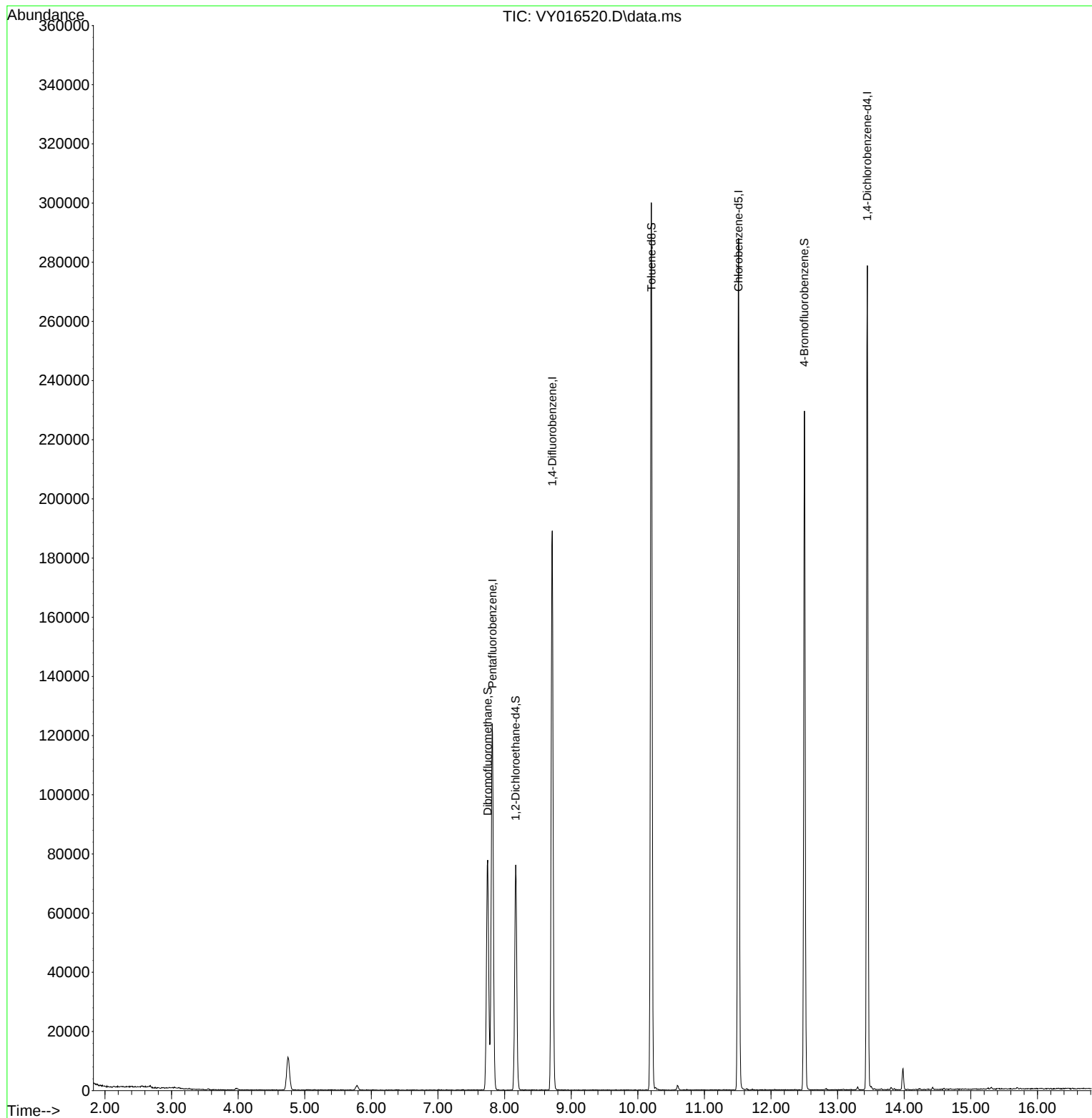
Target Compounds	Qvalue

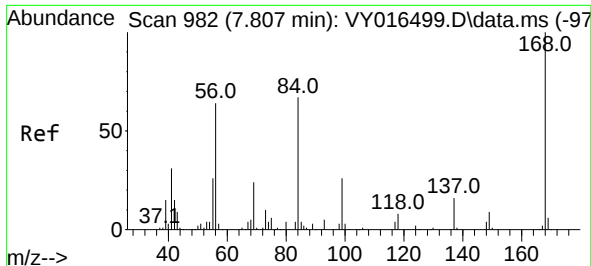
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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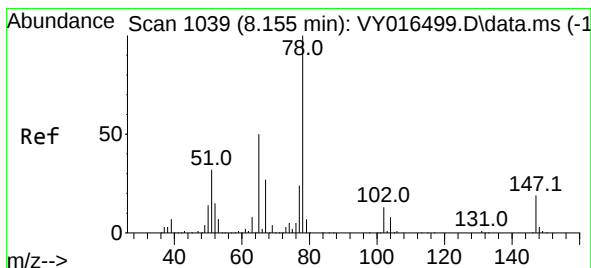
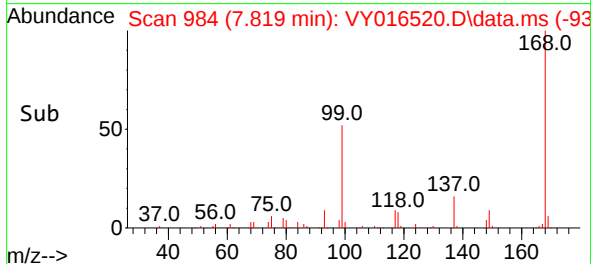
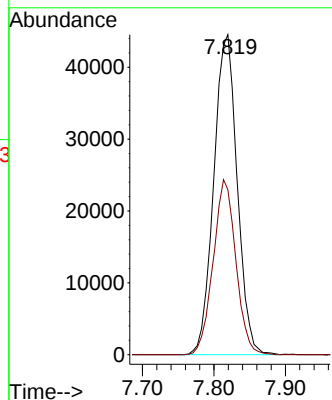
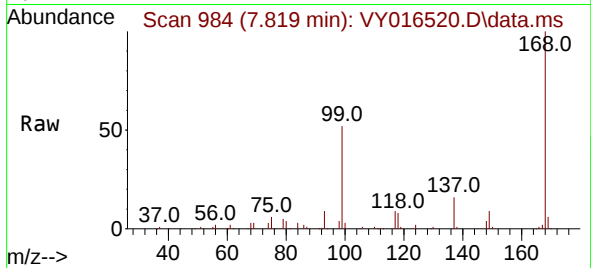




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016520.D
Acq: 28 Nov 2023 15:00

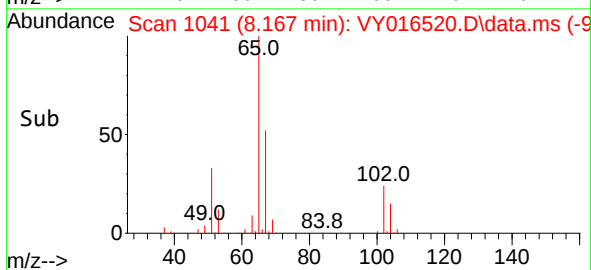
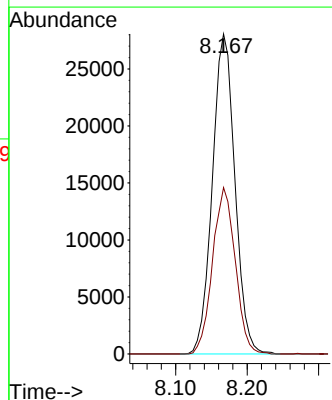
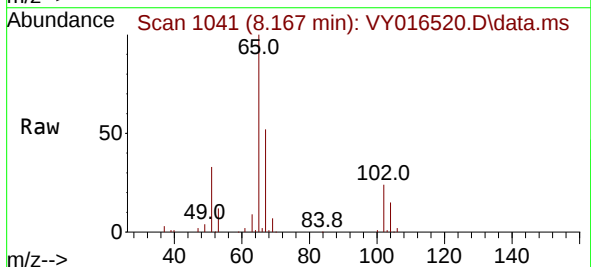
Instrument :
MSVOA_Y
ClientSampleId :
SP-1-GRAB

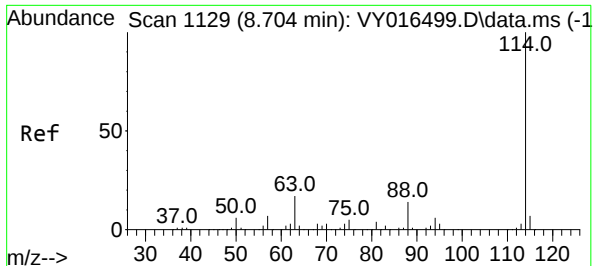
Tgt Ion:168 Resp: 101325
Ion Ratio Lower Upper
168 100
99 51.6 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 66.441 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY016520.D
Acq: 28 Nov 2023 15:00

Tgt Ion: 65 Resp: 61529
Ion Ratio Lower Upper
65 100
67 52.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1129

Delta R.T. 0.012 min

Lab File: VY016520.D

Acq: 28 Nov 2023 15:00

Instrument :

MSVOA_Y

ClientSampleId :

SP-1-GRAB

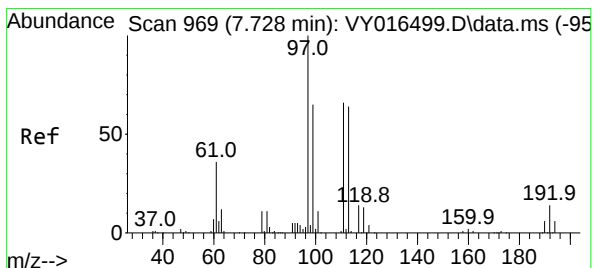
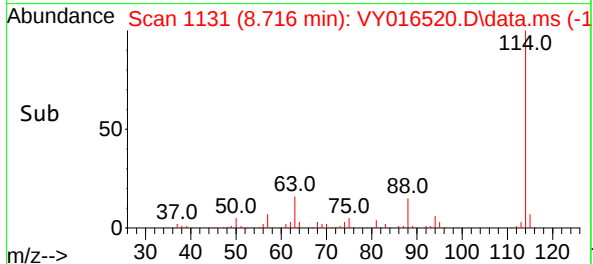
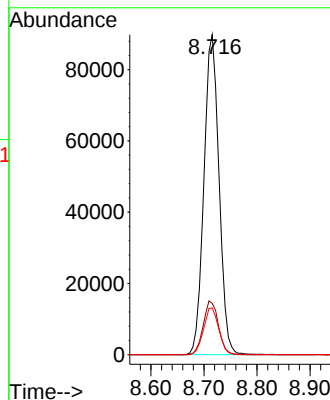
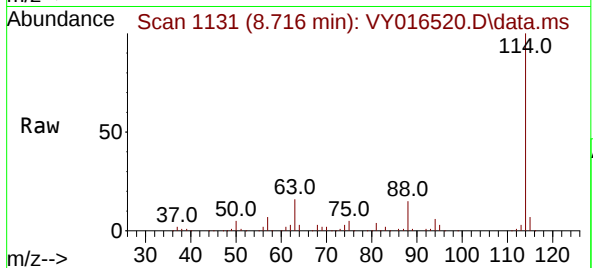
Tgt Ion:114 Resp: 177639

Ion Ratio Lower Upper

114 100

63 16.0 0.0 42.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.006 ug/l

RT: 7.746 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY016520.D

Acq: 28 Nov 2023 15:00

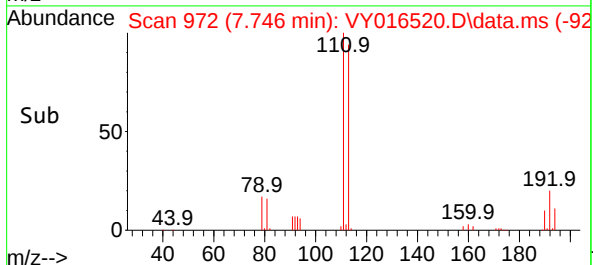
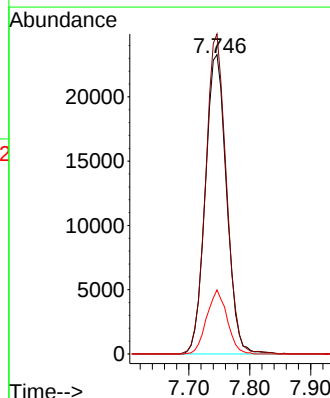
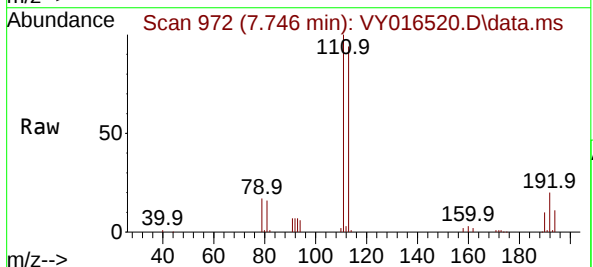
Tgt Ion:113 Resp: 56516

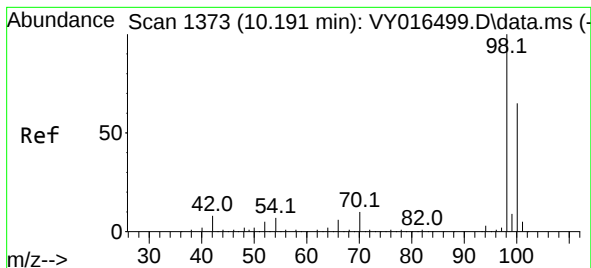
Ion Ratio Lower Upper

113 100

111 104.1 81.3 121.9

192 20.5 16.9 25.3





#50

Toluene-d8

Concen: 50.286 ug/l

RT: 10.203 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016520.D

Acq: 28 Nov 2023 15:00

Instrument :

MSVOA_Y

ClientSampleId :

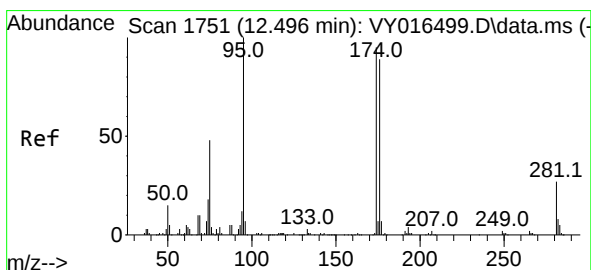
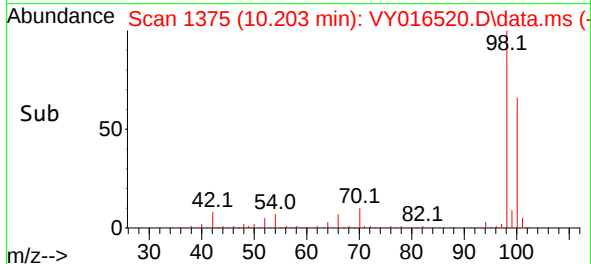
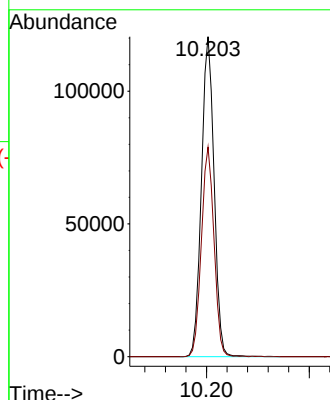
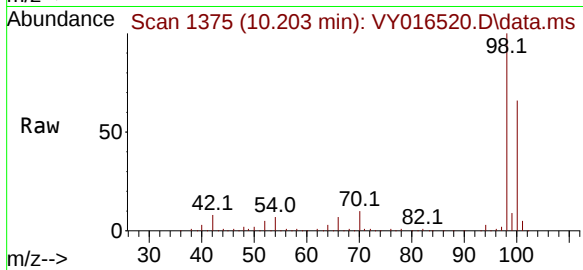
SP-1-GRAB

Tgt Ion: 98 Resp: 205777

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 53.744 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY016520.D

Acq: 28 Nov 2023 15:00

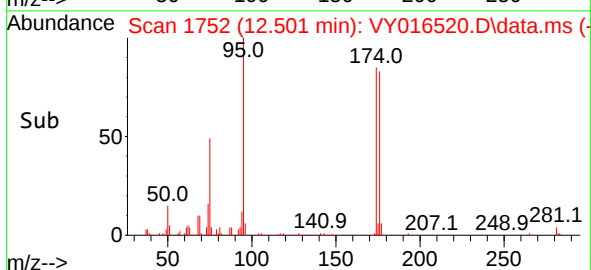
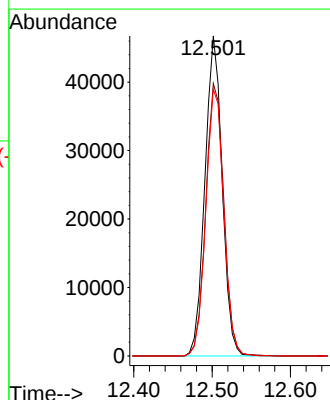
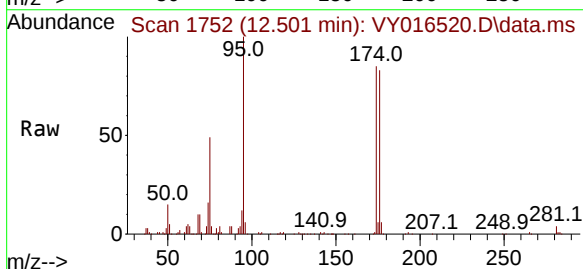
Tgt Ion: 95 Resp: 71429

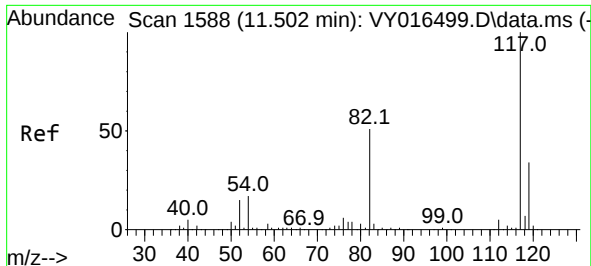
Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.2

176 86.6 0.0 173.8

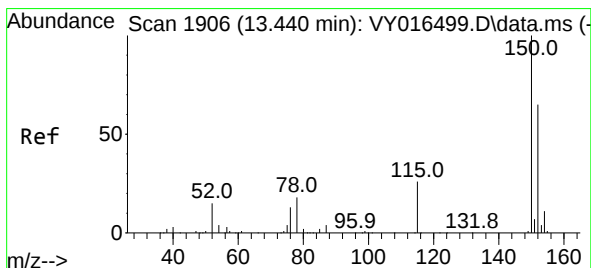
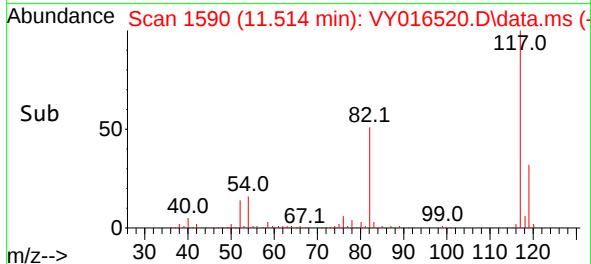
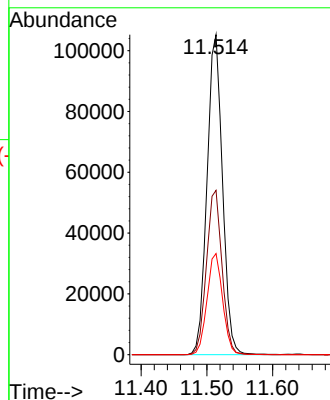
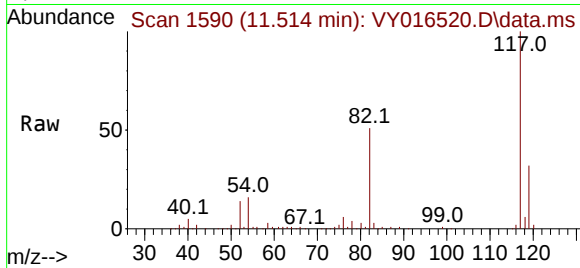




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016520.D
Acq: 28 Nov 2023 15:00

Instrument :
MSVOA_Y
ClientSampleId :
SP-1-GRAB

Tgt Ion:117 Resp: 172224
Ion Ratio Lower Upper
117 100
82 51.3 43.4 65.0
119 31.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.012 min
Lab File: VY016520.D
Acq: 28 Nov 2023 15:00

Tgt Ion:152 Resp: 77196
Ion Ratio Lower Upper
152 100
115 57.0 28.8 86.5
150 156.3 0.0 348.8

