

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042723\
 Data File : VY013509.D
 Acq On : 27 Apr 2023 21:57
 Operator : KP/MD
 Sample : 02502-10
 Misc : 4.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-511-VOC-02

Quant Time: Apr 28 01:35:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	105865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	179204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	185225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	83295	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	84300	72.640	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	145.280%
35) Dibromofluoromethane	7.716	113	69941	62.053	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	124.100%
50) Toluene-d8	10.179	98	223023	55.622	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.240%
62) 4-Bromofluorobenzene	12.477	95	72394	53.556	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.120%

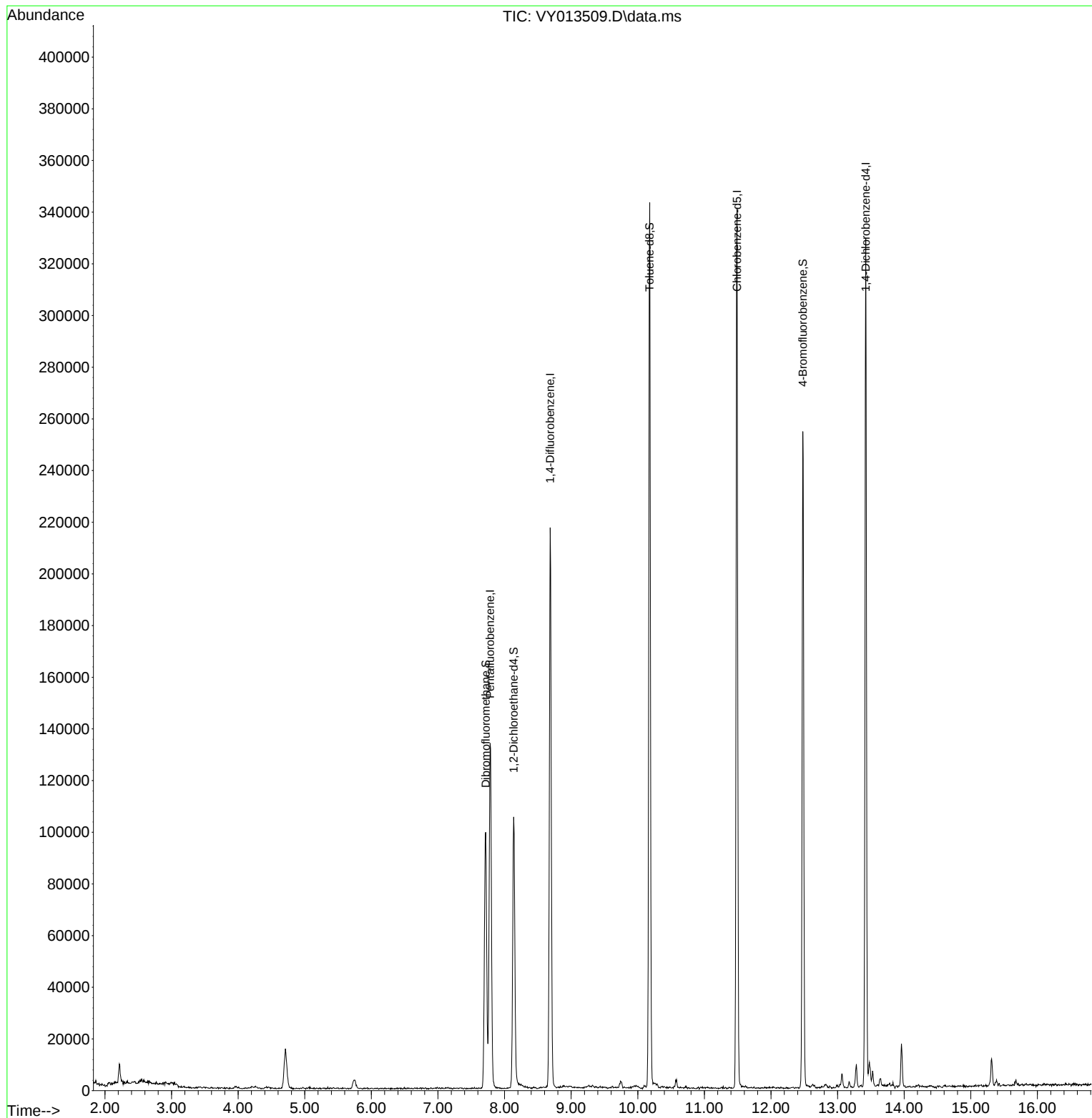
Target Compounds	Qvalue

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

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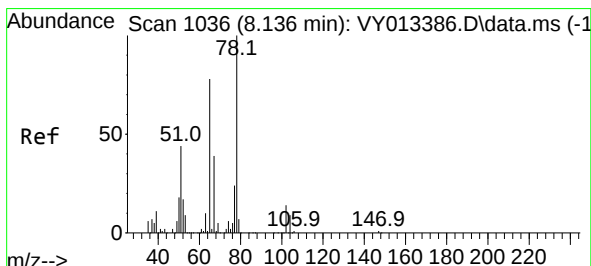
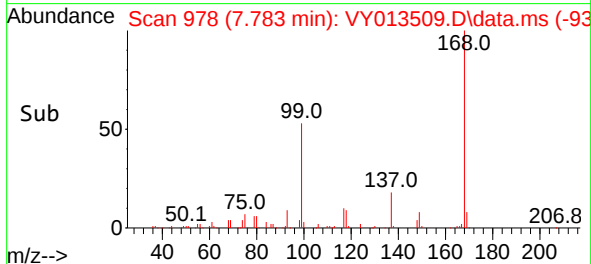
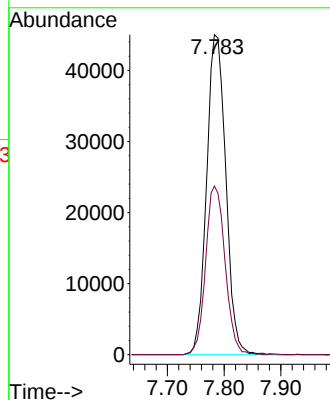
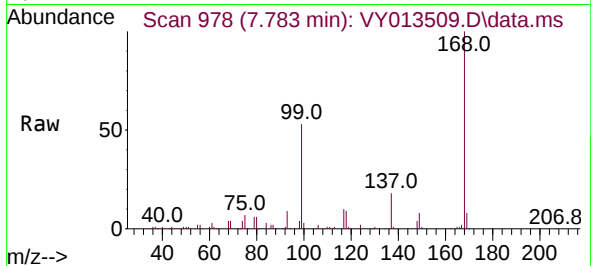




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

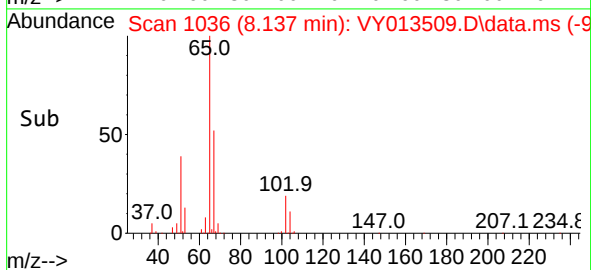
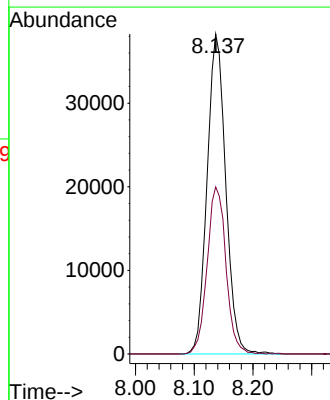
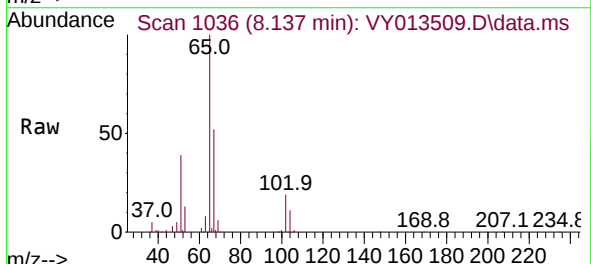
Instrument :
MSVOA_Y
ClientSampleId :
BU-511-VOC-02

Tgt Ion:168 Resp: 105865
Ion Ratio Lower Upper
168 100
99 52.7 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 72.640 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

Tgt Ion: 65 Resp: 84300
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013509.D

Acq: 27 Apr 2023 21:57

Instrument :

MSVOA_Y

ClientSampleId :

BU-511-VOC-02

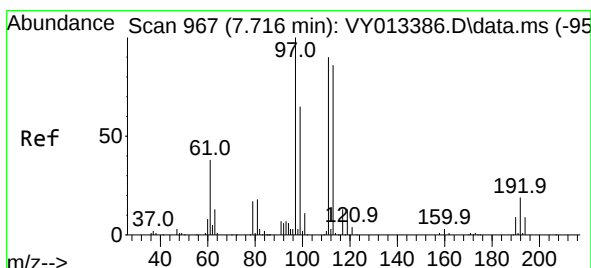
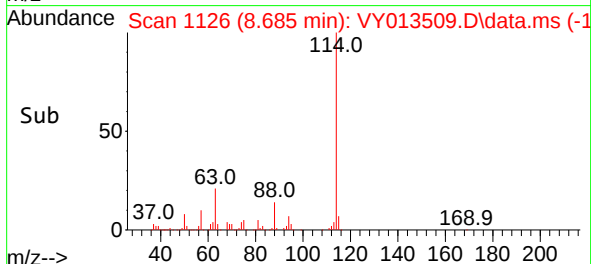
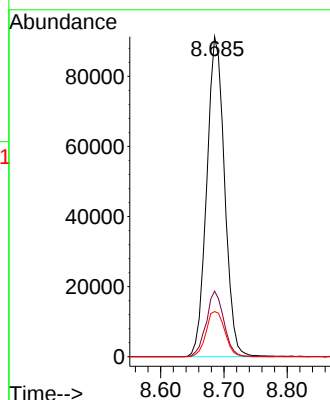
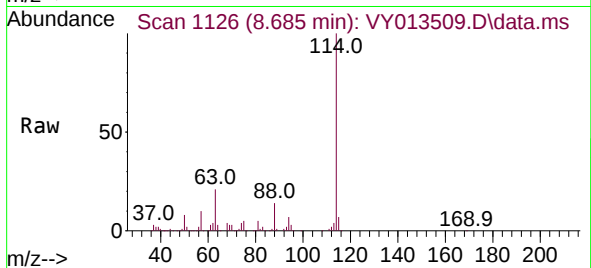
Tgt Ion:114 Resp: 179204

Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.6

88 14.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 62.053 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013509.D

Acq: 27 Apr 2023 21:57

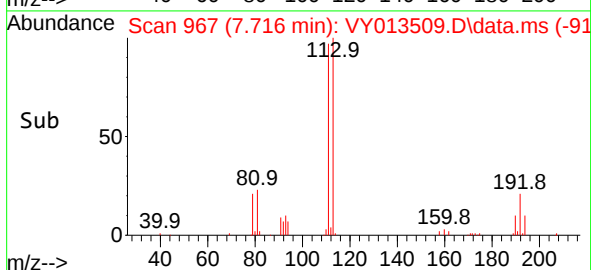
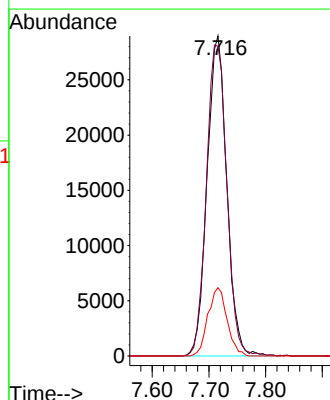
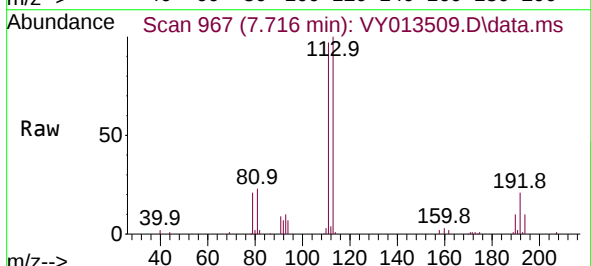
Tgt Ion:113 Resp: 69941

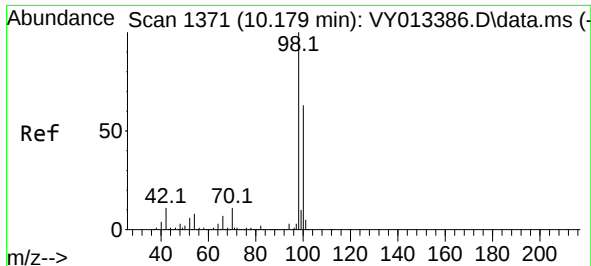
Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.2

192 20.7 16.7 25.1

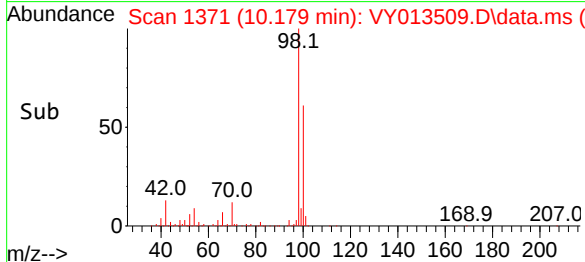
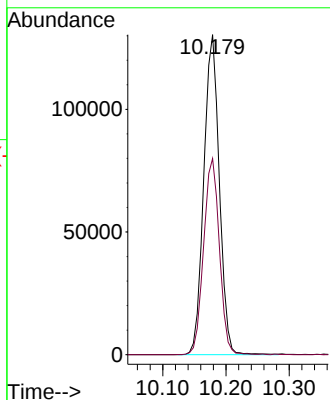
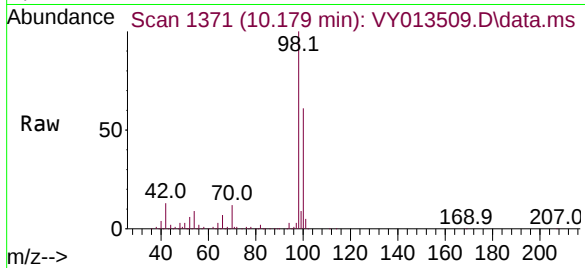




#50
Toluene-d8
Concen: 55.622 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

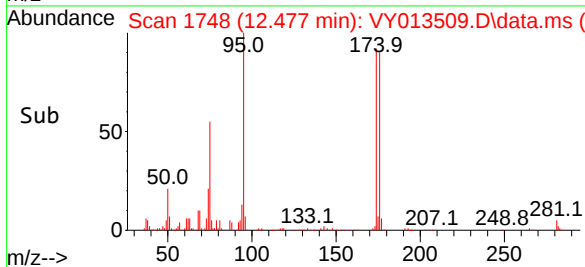
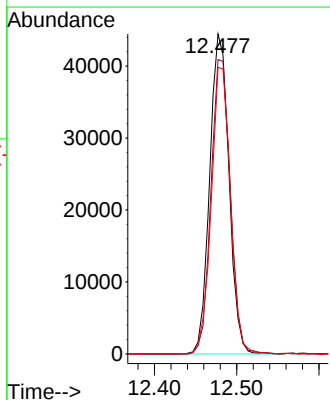
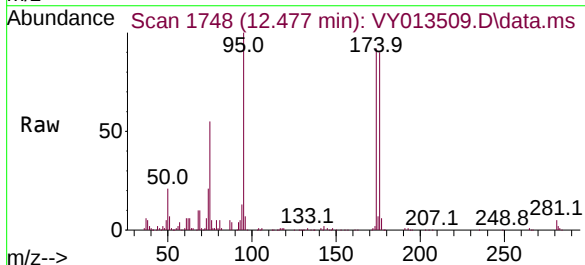
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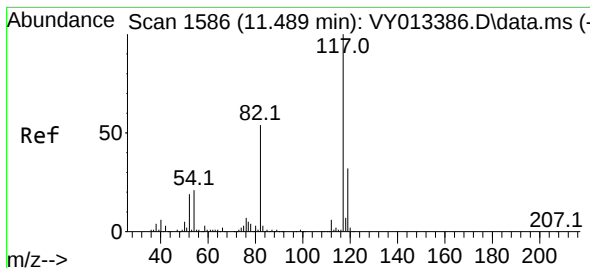
Tgt Ion: 98 Resp: 223023
Ion Ratio Lower Upper
98 100
100 62.1 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 53.556 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

Tgt Ion: 95 Resp: 72394
Ion Ratio Lower Upper
95 100
174 92.3 0.0 182.0
176 89.2 0.0 175.4

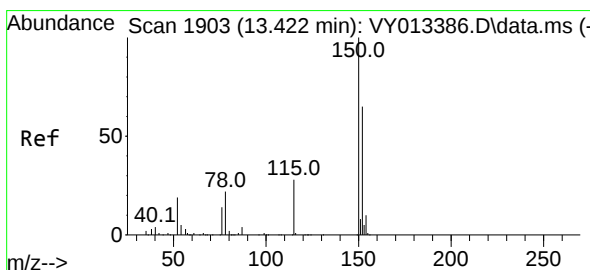
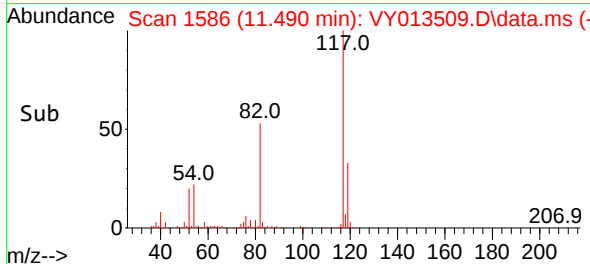
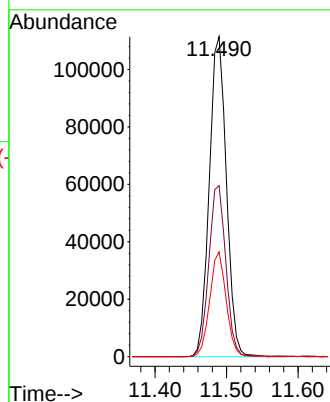
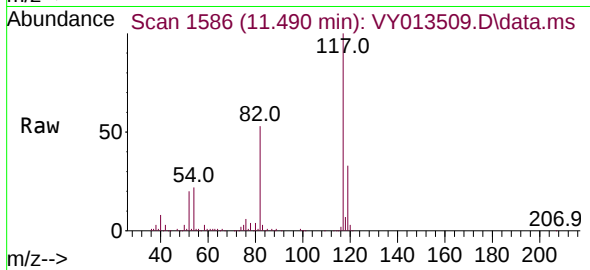




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

Instrument :
MSVOA_Y
ClientSampleId :
BU-511-VOC-02

Tgt Ion:117 Resp: 185225
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.6
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013509.D
Acq: 27 Apr 2023 21:57

Tgt Ion:152 Resp: 83295
Ion Ratio Lower Upper
152 100
115 56.1 28.1 84.2
150 156.2 0.0 352.0

