

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022215.D
 Acq On : 12 May 2025 11:39
 Operator : SY/MD
 Sample : Q1983-08
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-02

Quant Time: May 13 02:17:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	102	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.622	114	187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	101	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.35
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	50	53.070	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.140%	
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	= 0.000%#	
50) Toluene-d8	10.097	98	91	19.538	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 39.080%#	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	30 - 143	Recovery	= 0.000%#	

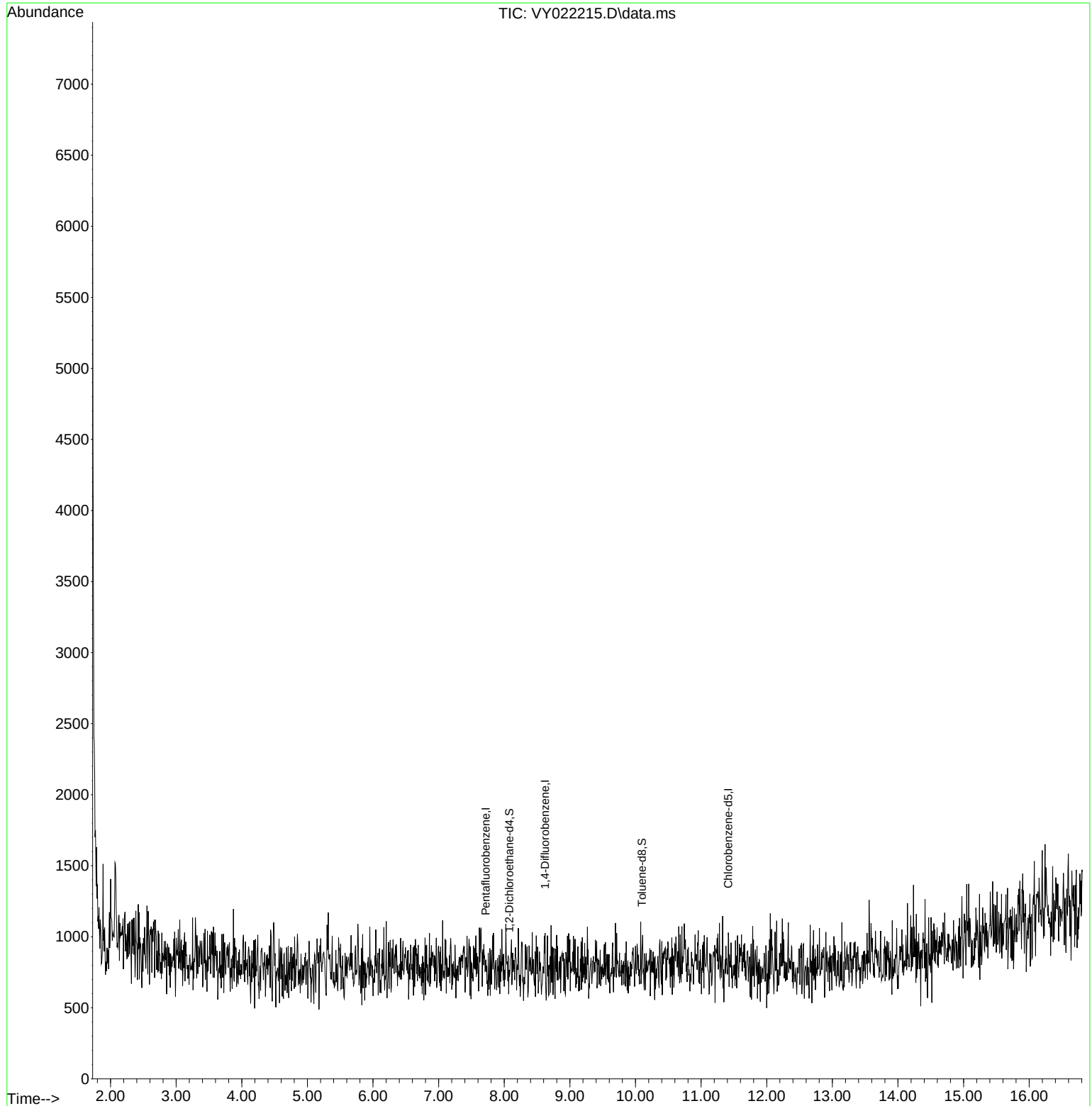
Target Compounds Qvalue

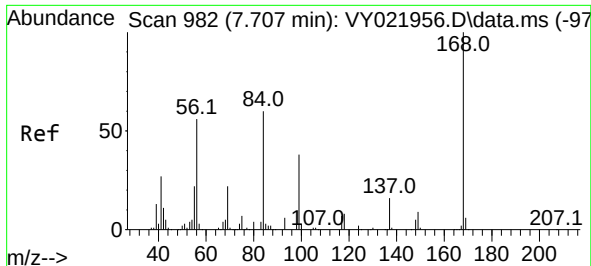
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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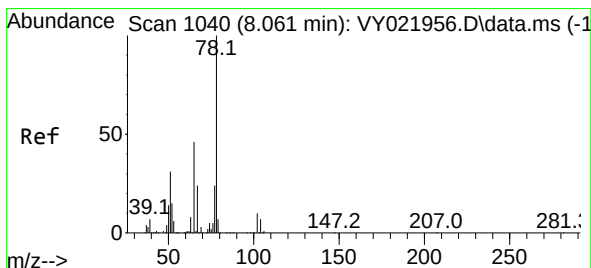
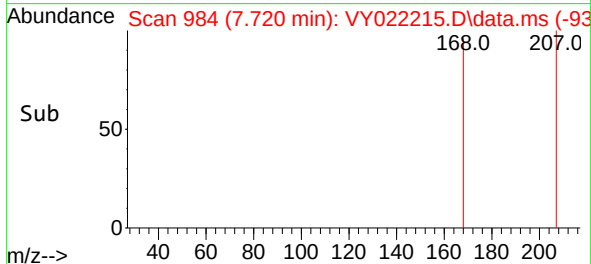
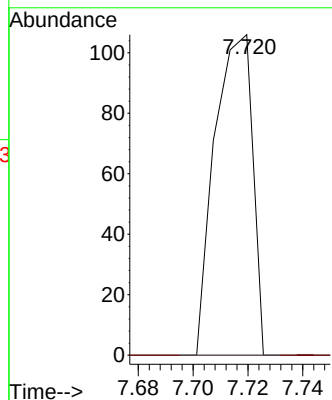
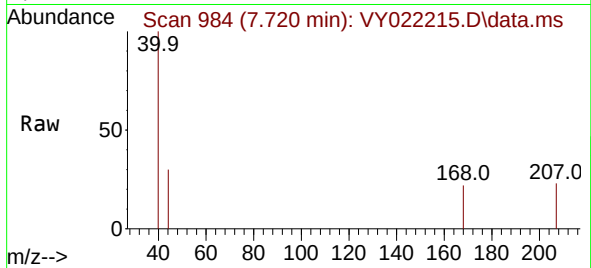




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY022215.D
Acq: 12 May 2025 11:39

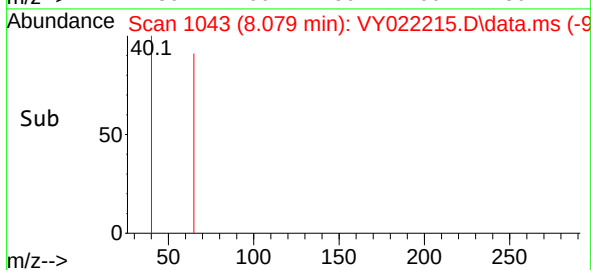
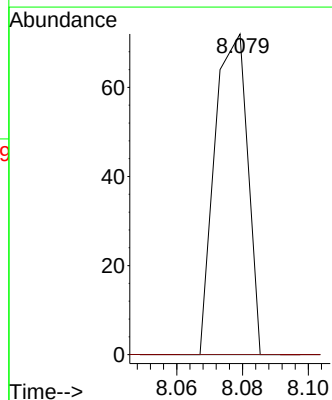
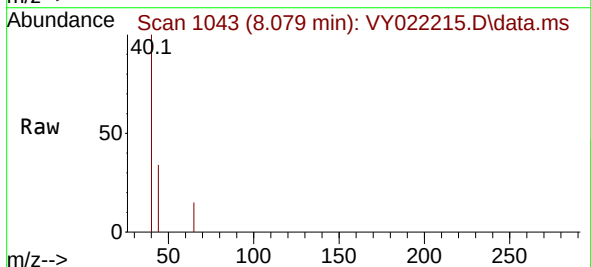
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-02

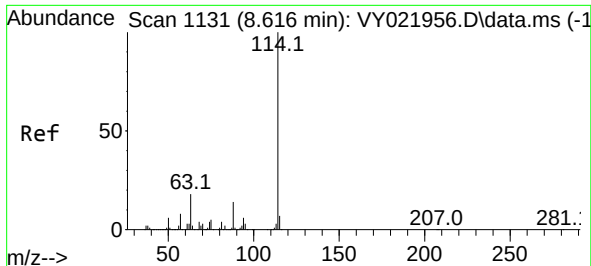
Tgt Ion:168 Resp: 102
Ion Ratio Lower Upper
168 100
99 0.0 43.1 64.7#



#33
1,2-Dichloroethane-d4
Concen: 53.070 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.018 min
Lab File: VY022215.D
Acq: 12 May 2025 11:39

Tgt Ion: 65 Resp: 50
Ion Ratio Lower Upper
65 100
67 0.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022215.D

Acq: 12 May 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-02

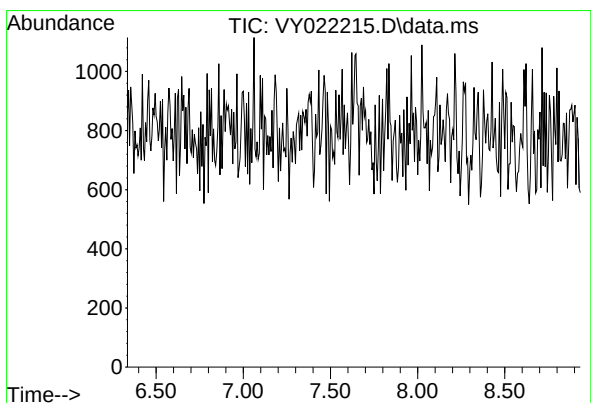
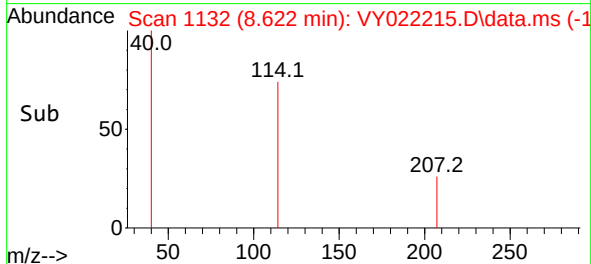
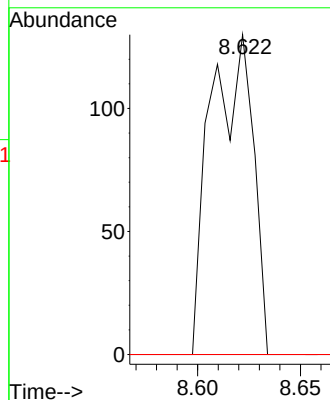
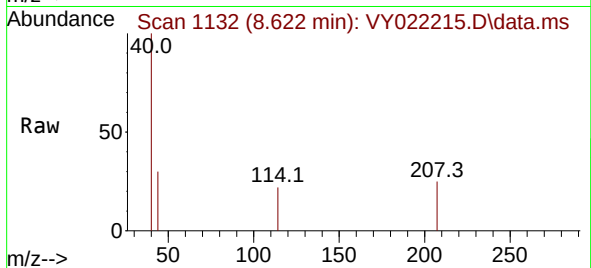
Tgt Ion:114 Resp: 187

Ion Ratio Lower Upper

114 100

63 0.0 0.0 35.4

88 0.0 0.0 28.2



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.63 min

Lab File: VY022215.D

Acq: 12 May 2025 11:39

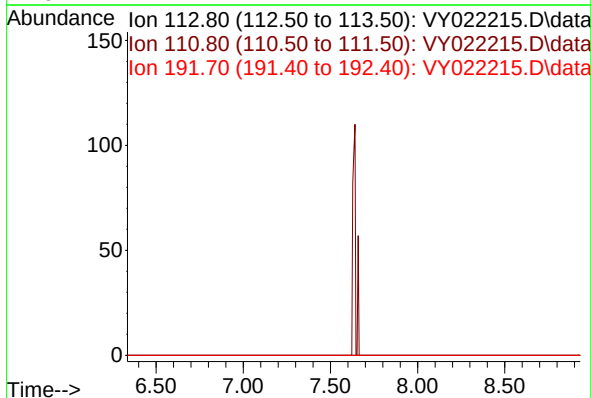
Tgt Ion: 113

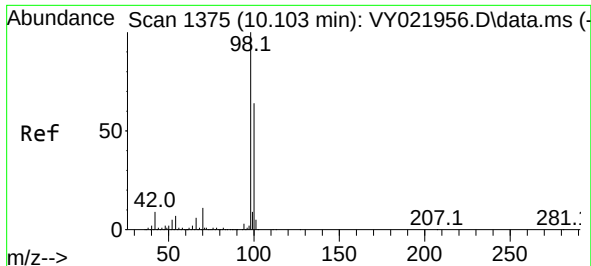
Sig Exp Ratio

113 100

111 102.3

192 19.5

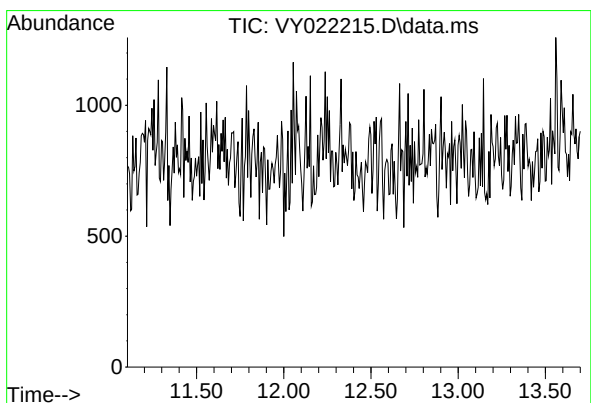
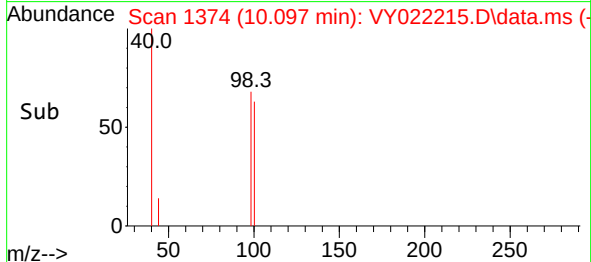
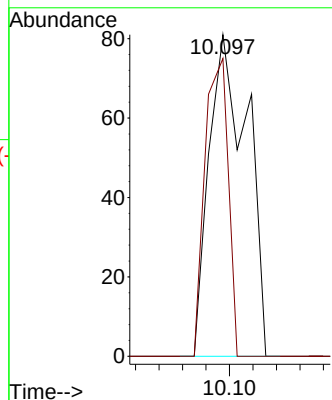
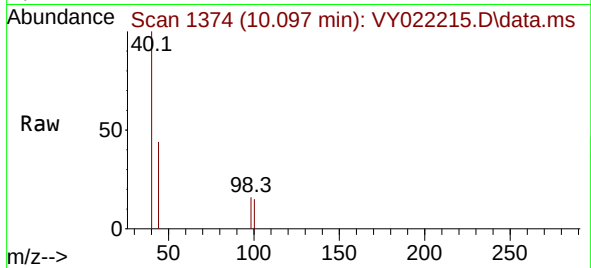




#50
Toluene-d8
Concen: 19.538 ug/l
RT: 10.097 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022215.D
Acq: 12 May 2025 11:39

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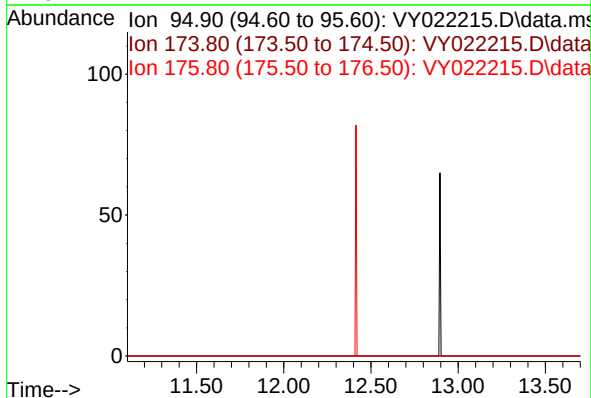
Tgt Ion: 98 Resp: 91
Ion Ratio Lower Upper
98 100
100 57.1 51.6 77.4

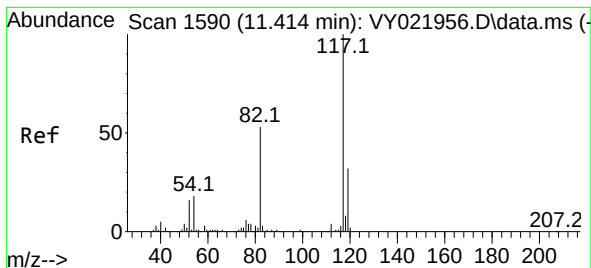


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.40 min

Lab File: VY022215.D
Acq: 12 May 2025 11:39

Tgt Ion: 95
Sig Exp Ratio
95 100
174 89.5
176 85.9

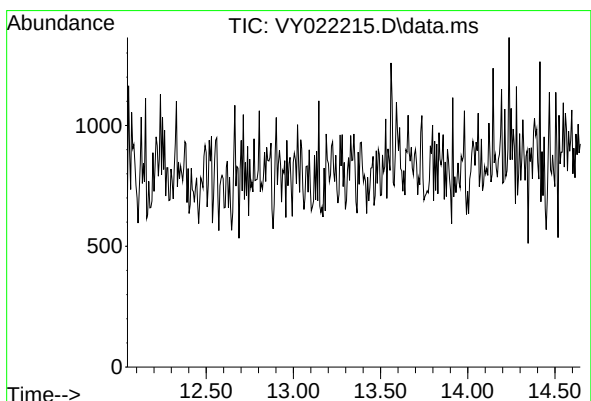
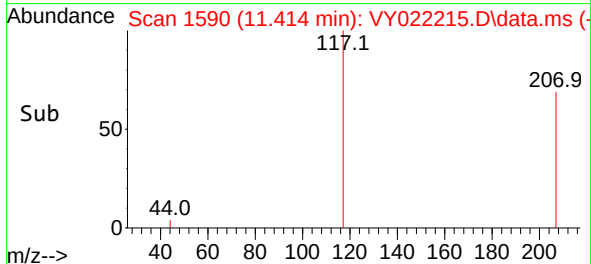
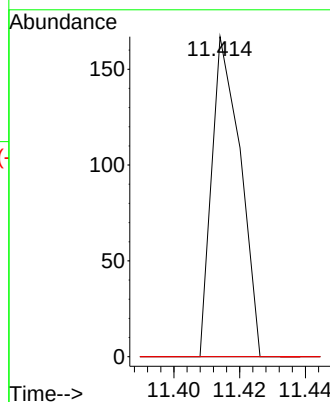
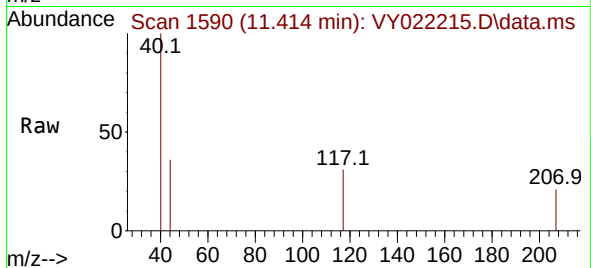




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022215.D
Acq: 12 May 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-02

Tgt Ion:117 Resp: 101
Ion Ratio Lower Upper
117 100
82 0.0 42.1 63.1#
119 0.0 25.7 38.5#



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.35 min

Lab File: VY022215.D
Acq: 12 May 2025 11:39

Tgt Ion: 152
Sig Exp Ratio
152 100
115 56.0
150 172.8

