

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051325\
 Data File : VY022248.D
 Acq On : 13 May 2025 17:05
 Operator : SY/MD
 Sample : Q2007-20
 Misc : 5.17g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-13

Quant Time: May 14 04:36:31 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	7.707	168	197384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	356543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	312364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	132449	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96486	52.921	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.840%
35) Dibromofluoromethane	7.634	113	112066	47.576	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.160%
50) Toluene-d8	10.109	98	397956	44.813	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.620%
62) 4-Bromofluorobenzene	12.402	95	106043	35.472	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	70.940%

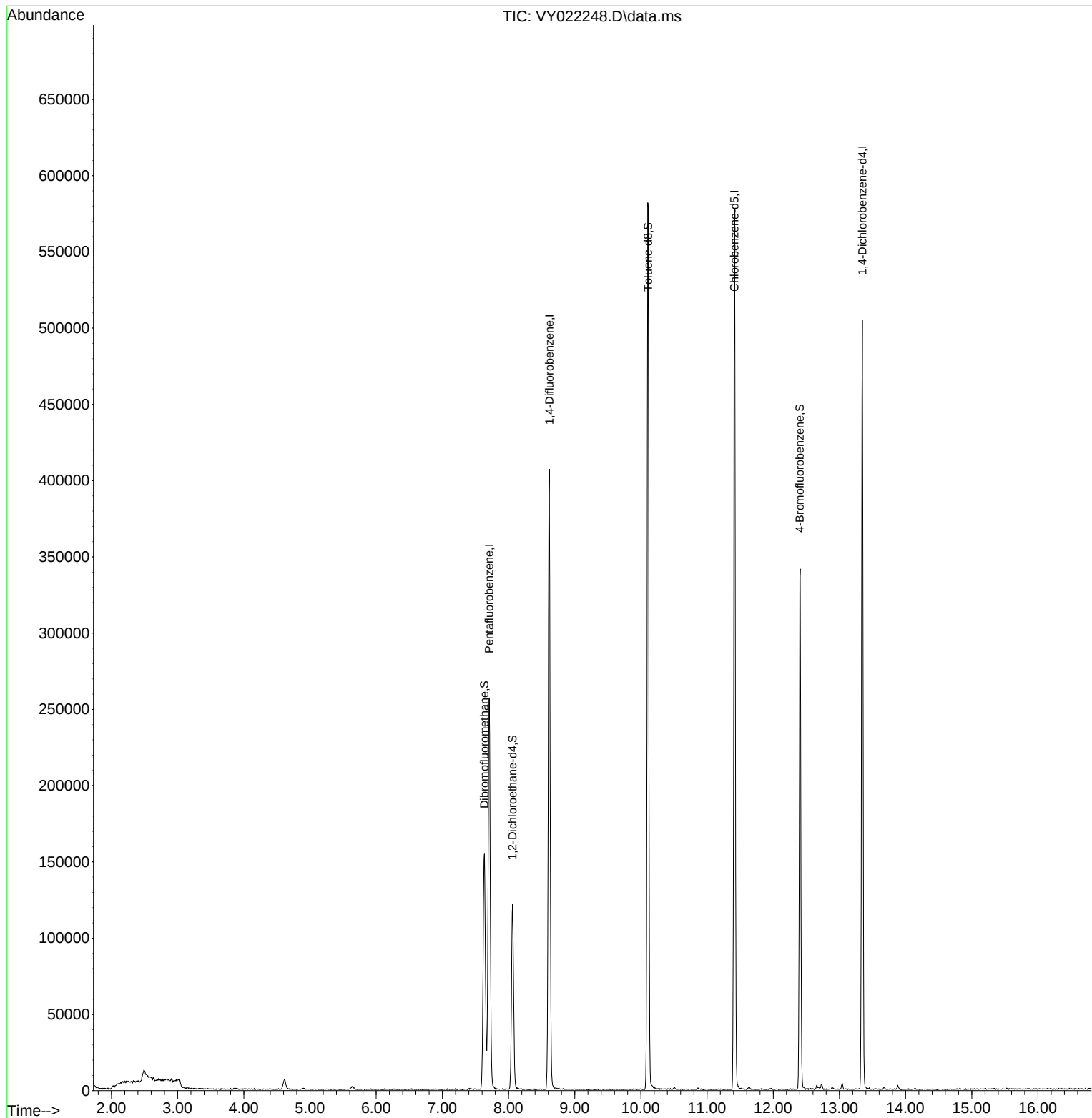
Target Compounds	Qvalue

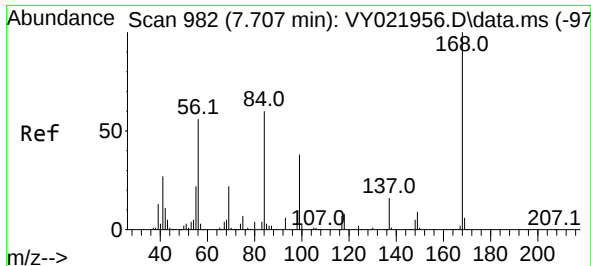
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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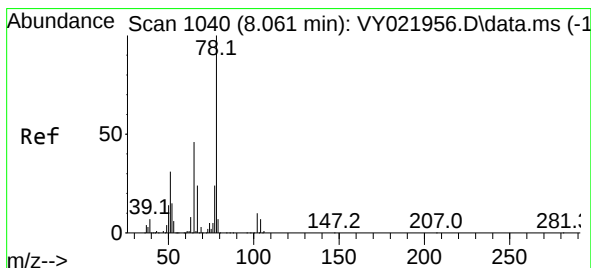
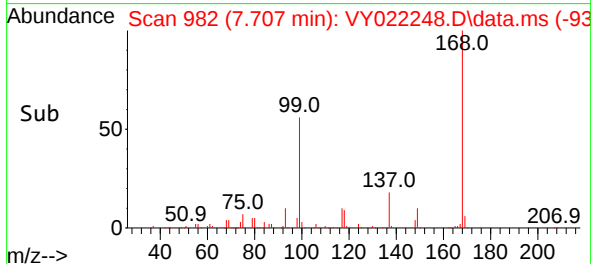
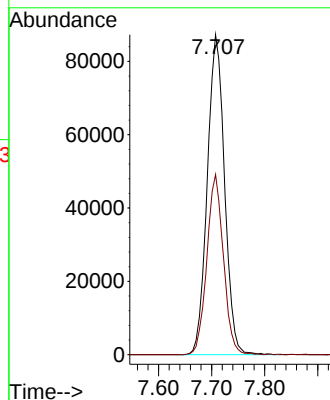
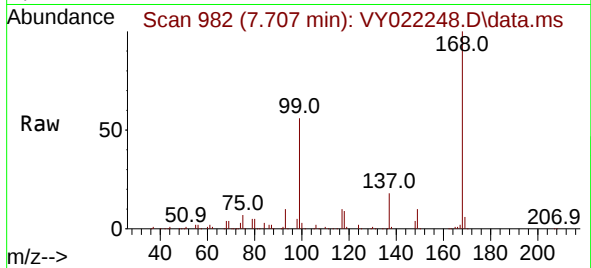




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022248.D
Acq: 13 May 2025 17:05

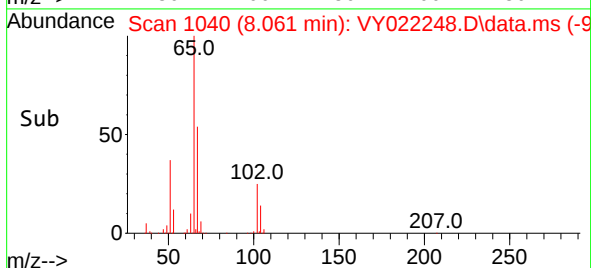
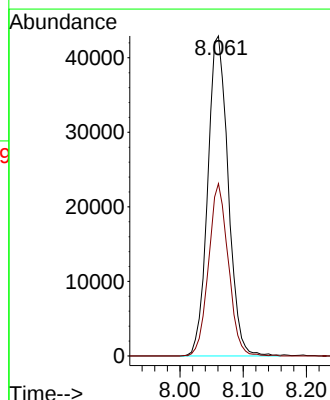
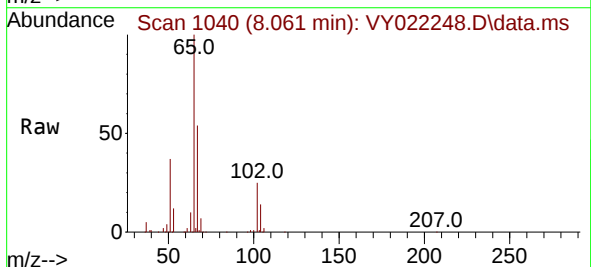
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-13

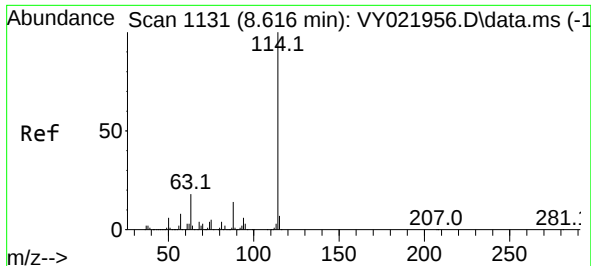
Tgt Ion:168 Resp: 197384
Ion Ratio Lower Upper
168 100
99 56.3 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 52.921 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022248.D
Acq: 13 May 2025 17:05

Tgt Ion: 65 Resp: 96486
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022248.D

Acq: 13 May 2025 17:05

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-13

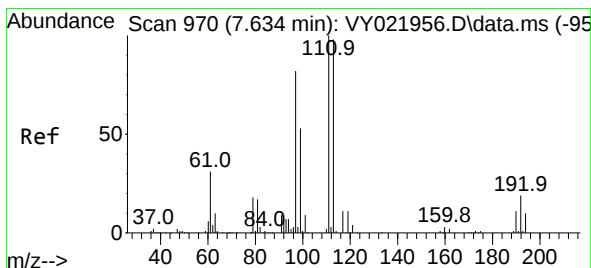
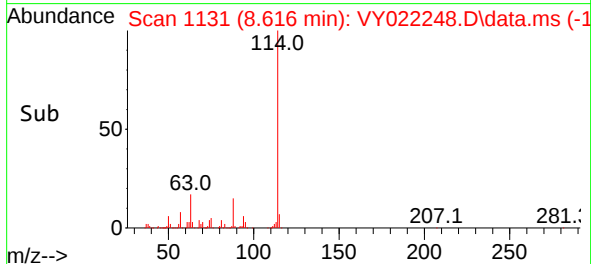
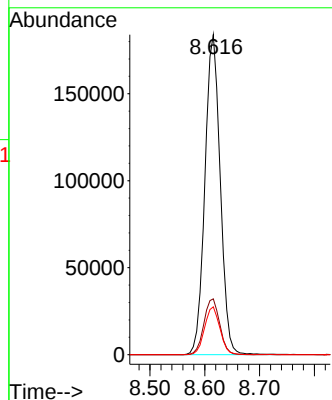
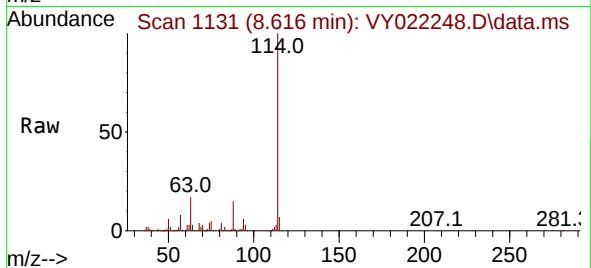
Tgt Ion:114 Resp: 356543

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 14.9 0.0 28.2



#35

Dibromofluoromethane

Concen: 47.576 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022248.D

Acq: 13 May 2025 17:05

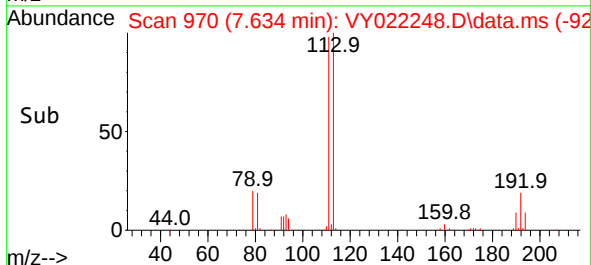
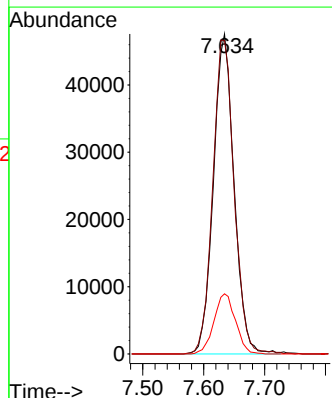
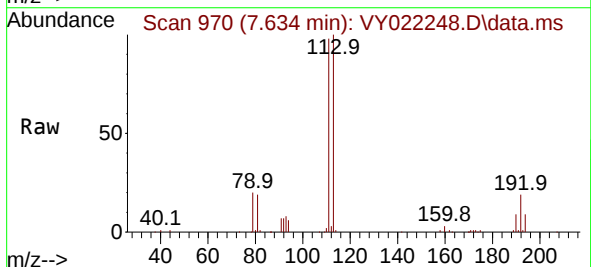
Tgt Ion:113 Resp: 112066

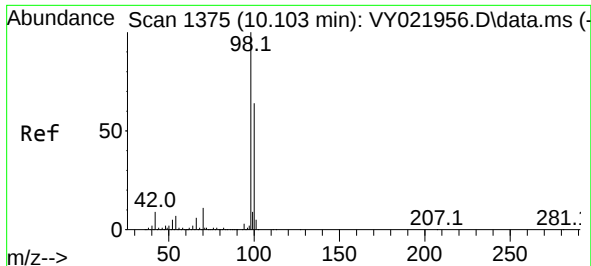
Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.8

192 19.6 15.6 23.4

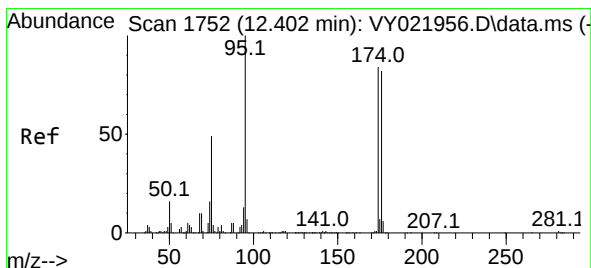
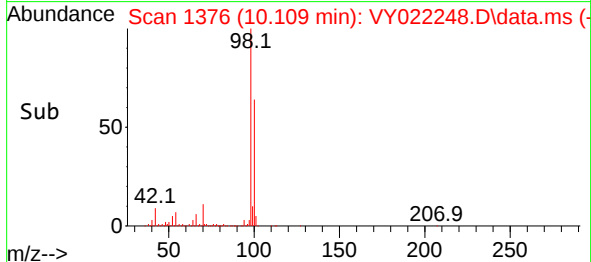
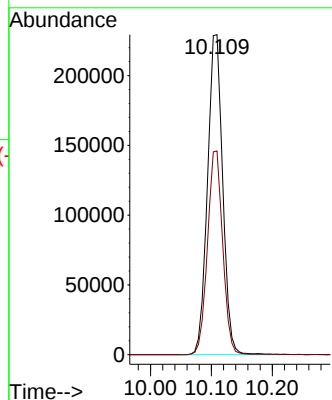
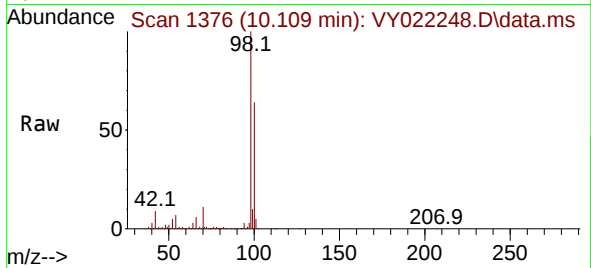




#50
Toluene-d8
Concen: 44.813 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022248.D
Acq: 13 May 2025 17:05

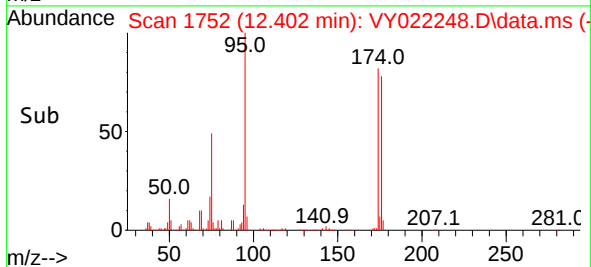
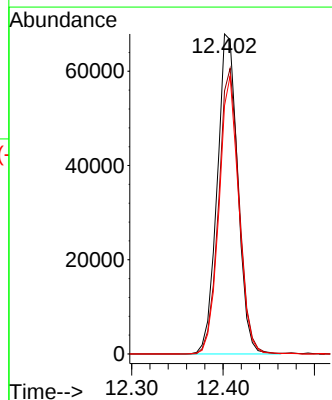
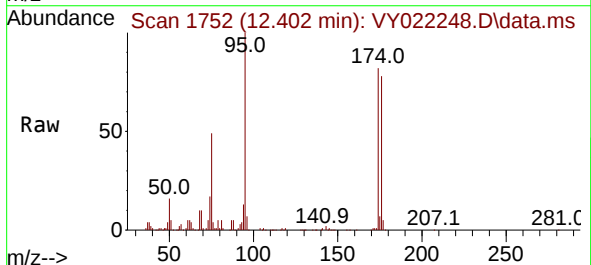
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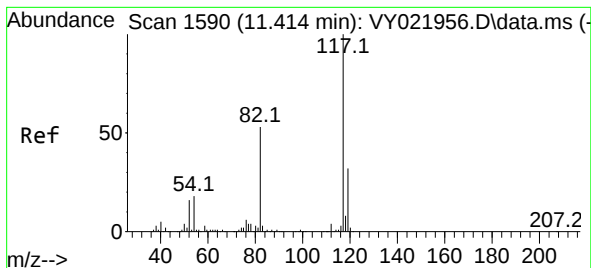
Tgt Ion: 98 Resp: 397956
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 35.472 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022248.D
Acq: 13 May 2025 17:05

Tgt Ion: 95 Resp: 106043
Ion Ratio Lower Upper
95 100
174 89.0 0.0 179.0
176 83.8 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022248.D

Acq: 13 May 2025 17:05

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-13

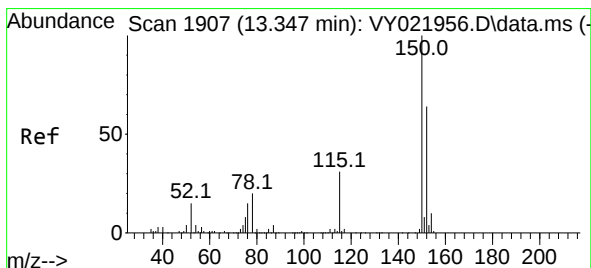
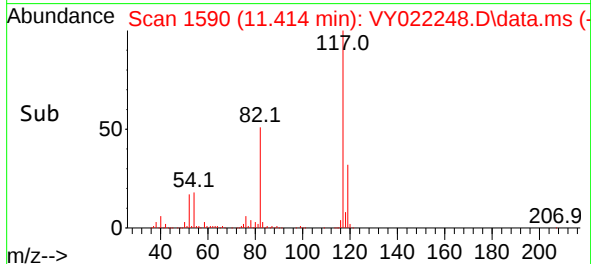
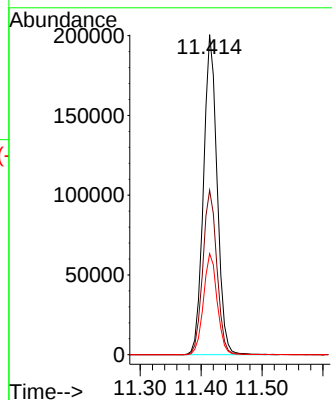
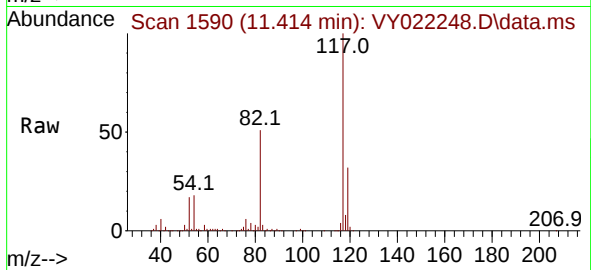
Tgt Ion:117 Resp: 312364

Ion Ratio Lower Upper

117 100

82 51.4 42.1 63.1

119 31.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022248.D

Acq: 13 May 2025 17:05

Tgt Ion:152 Resp: 132449

Ion Ratio Lower Upper

152 100

115 56.5 28.0 84.0

150 157.8 0.0 345.6

