

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022219.D
 Acq On : 12 May 2025 13:10
 Operator : SY/MD
 Sample : Q1983-32
 Misc : 4.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-06

Quant Time: May 13 02:19:30 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	7.713	168	142423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	241404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	208997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	81628	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	79169	60.180	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.360%
35) Dibromofluoromethane	7.634	113	91900	57.623	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.240%
50) Toluene-d8	10.109	98	313117	52.077	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.160%
62) 4-Bromofluorobenzene	12.408	95	79818	39.434	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.860%

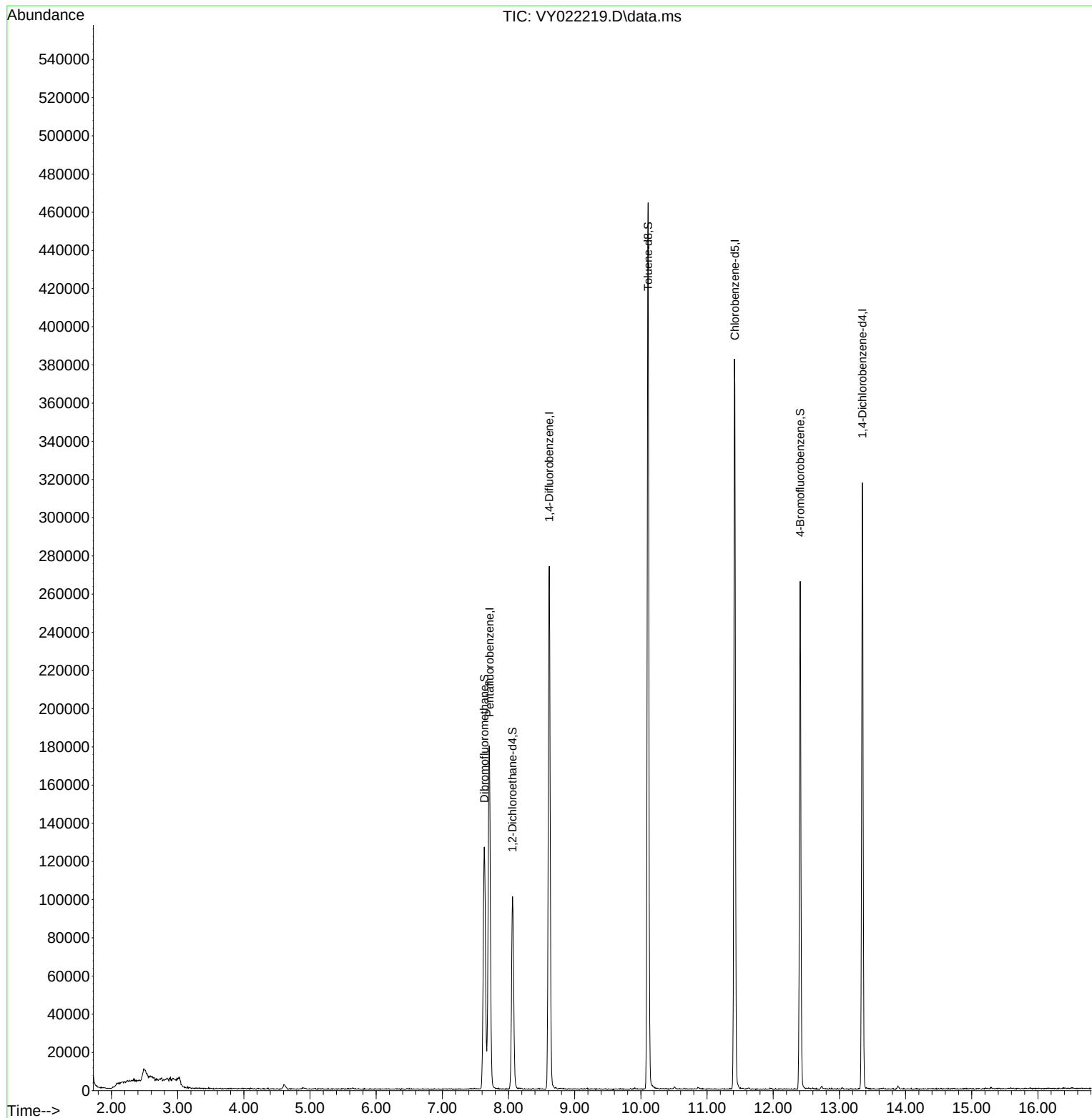
Target Compounds	Qvalue

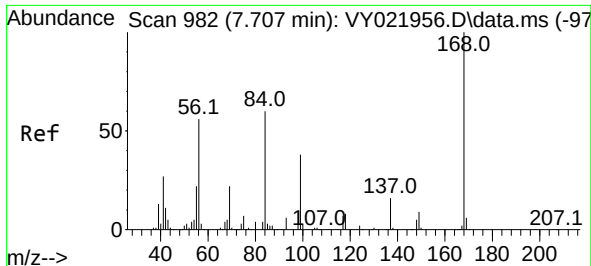
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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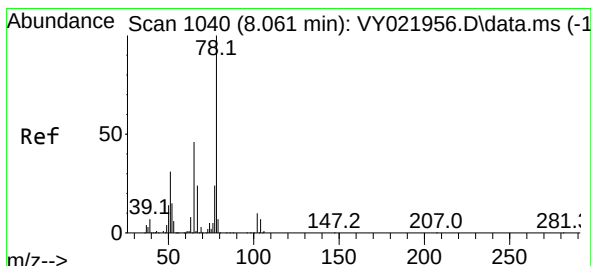
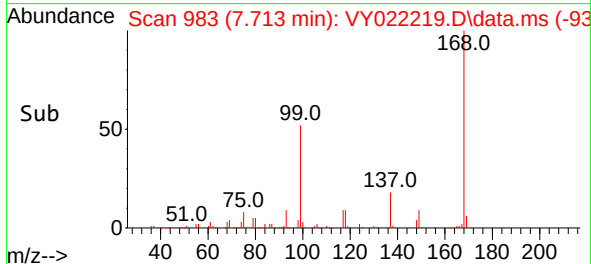
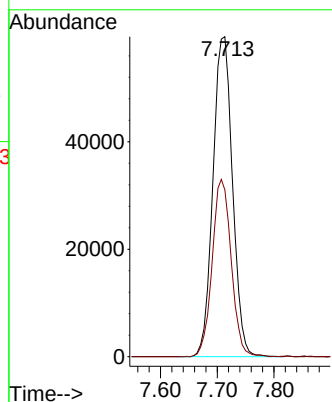
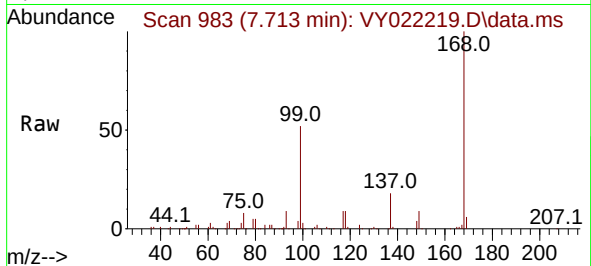




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

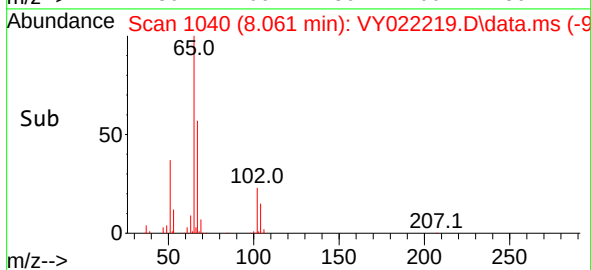
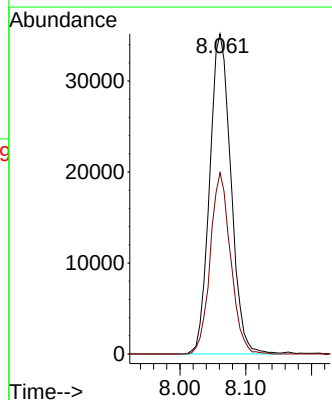
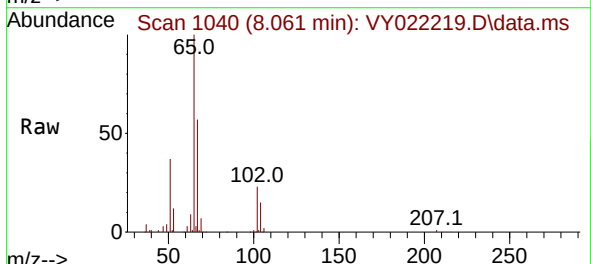
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-06

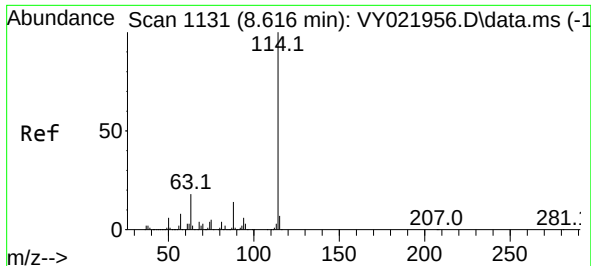
Tgt Ion:168 Resp: 142423
Ion Ratio Lower Upper
168 100
99 52.2 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 60.180 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

Tgt Ion: 65 Resp: 79169
Ion Ratio Lower Upper
65 100
67 54.2 0.0 105.8

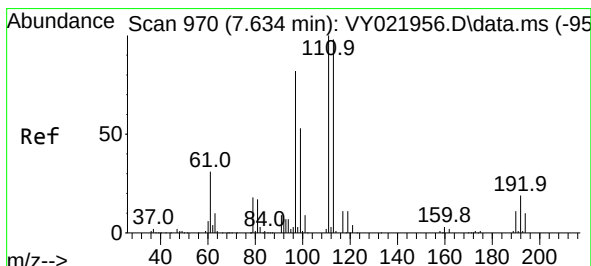
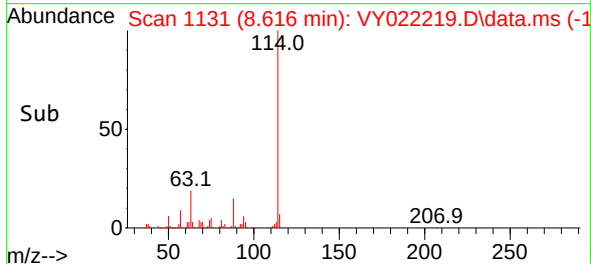
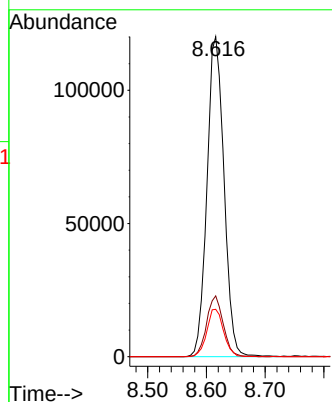
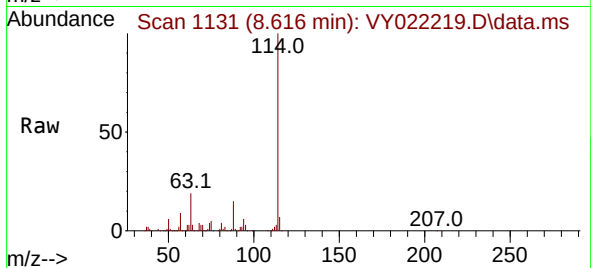




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

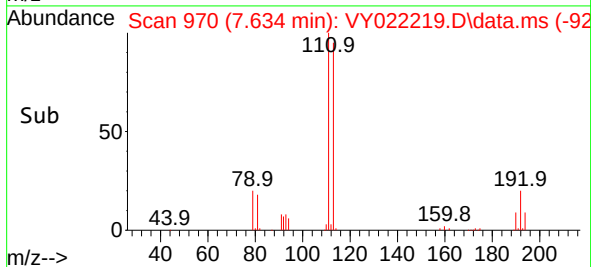
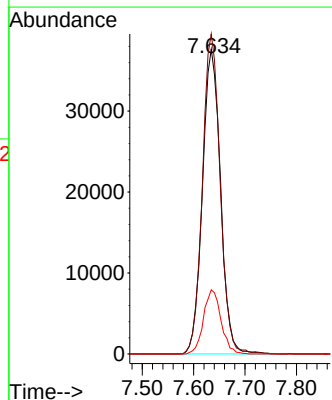
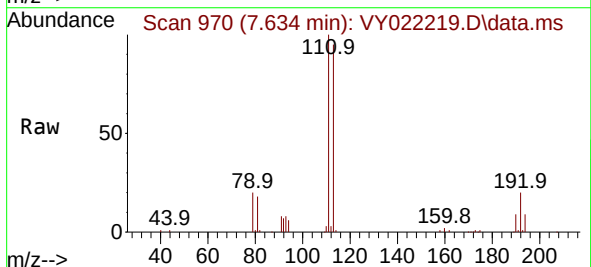
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-06

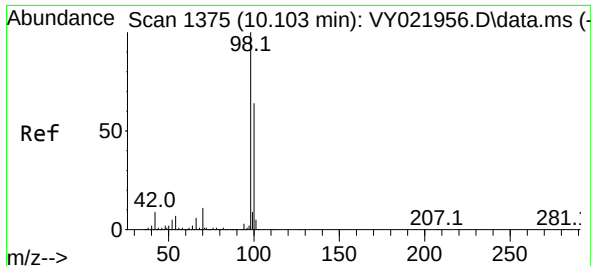
Tgt Ion:114 Resp: 241404
Ion Ratio Lower Upper
114 100
63 19.0 0.0 35.4
88 14.8 0.0 28.2



#35
Dibromofluoromethane
Concen: 57.623 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

Tgt Ion:113 Resp: 91900
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 20.4 15.6 23.4

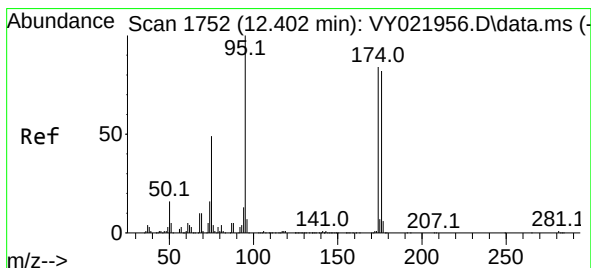
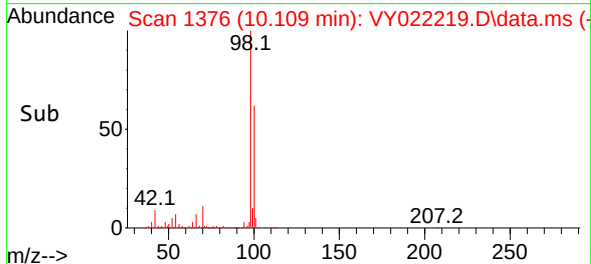
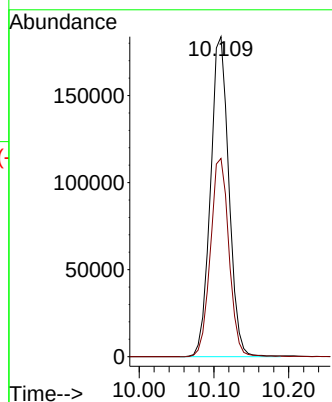
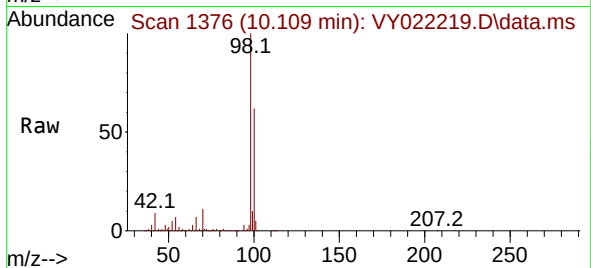




#50
Toluene-d8
Concen: 52.077 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

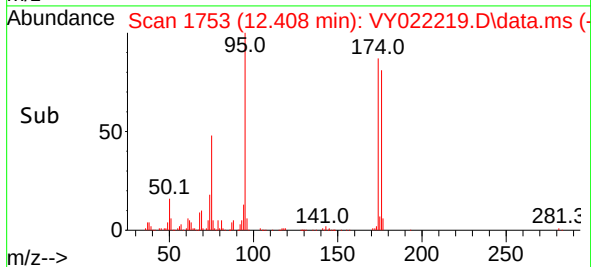
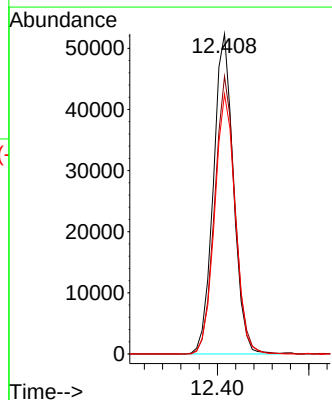
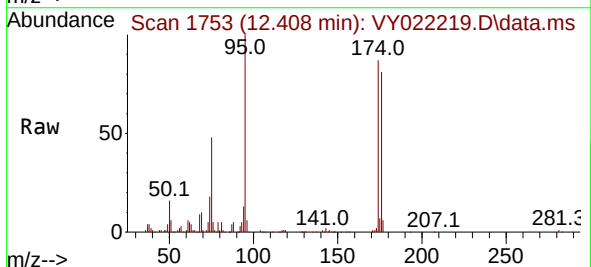
Instrument :
MSVOA_Y
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OR-636-VOC-06

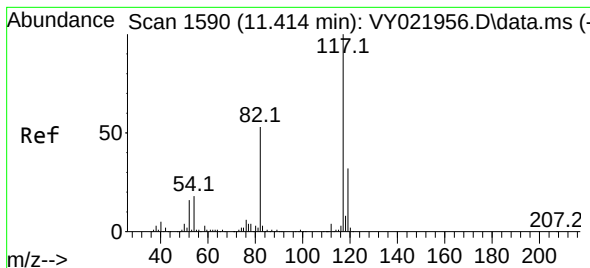
Tgt Ion: 98 Resp: 313117
Ion Ratio Lower Upper
98 100
100 62.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 39.434 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022219.D
Acq: 12 May 2025 13:10

Tgt Ion: 95 Resp: 79818
Ion Ratio Lower Upper
95 100
174 88.3 0.0 179.0
176 83.8 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022219.D

Acq: 12 May 2025 13:10

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-06

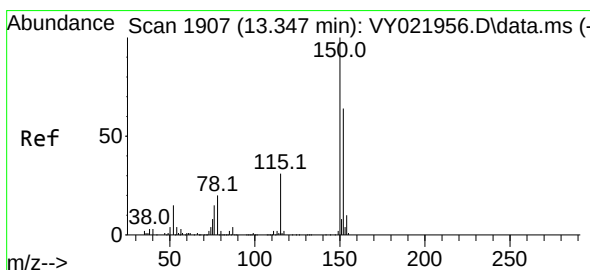
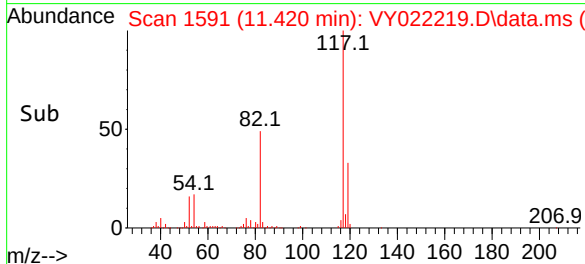
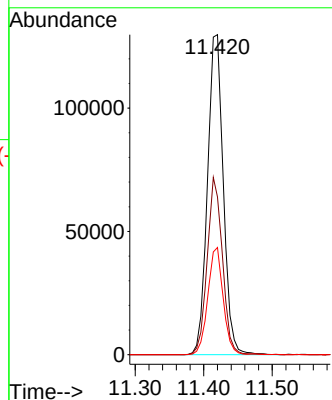
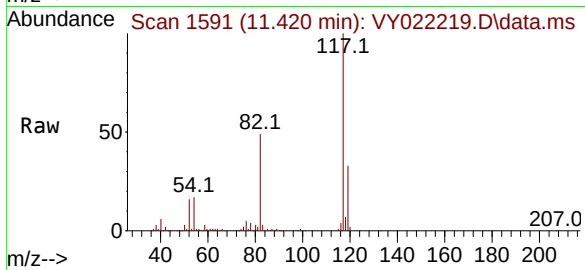
Tgt Ion:117 Resp: 208997

Ion Ratio Lower Upper

117 100

82 49.3 42.1 63.1

119 33.5 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022219.D

Acq: 12 May 2025 13:10

Tgt Ion:152 Resp: 81628

Ion Ratio Lower Upper

152 100

115 56.6 28.0 84.0

150 158.0 0.0 345.6

