

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020725\
 Data File : VY021131.D
 Acq On : 07 Feb 2025 10:08
 Operator : SY/MD
 Sample : VY0207SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBL01

Quant Time: Feb 08 02:36:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	222650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	403911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	364645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	133881	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	116979	51.279	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.560%
35) Dibromofluoromethane	7.640	113	127961	49.434	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.860%
50) Toluene-d8	10.115	98	488700	49.590	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.180%
62) 4-Bromofluorobenzene	12.414	95	153343	47.630	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.260%

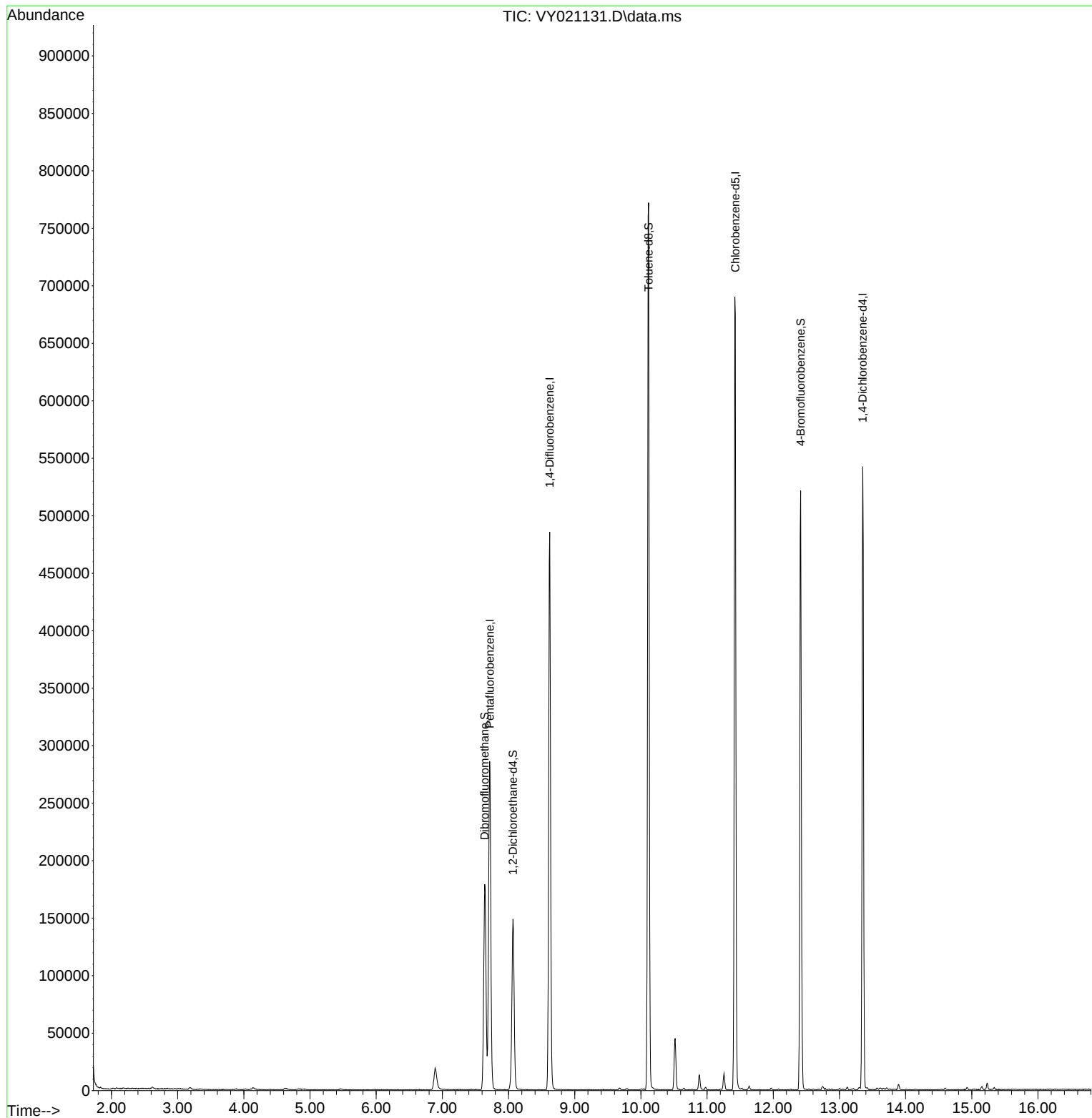
Target Compounds	Qvalue

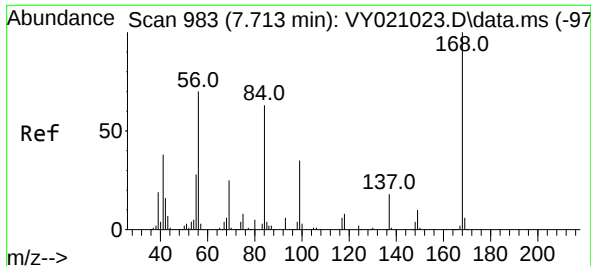
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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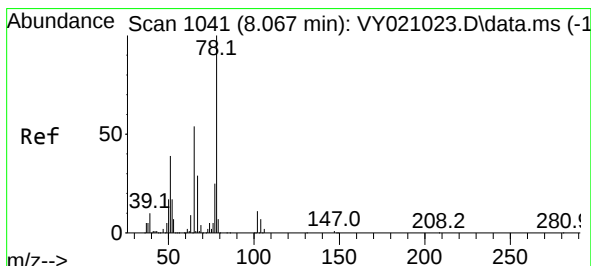
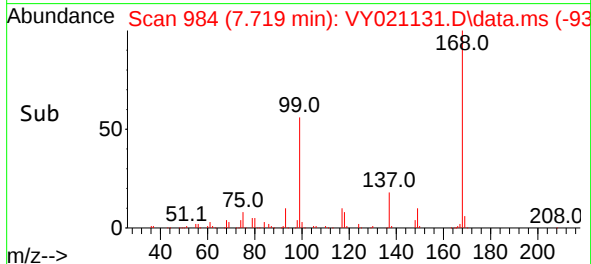
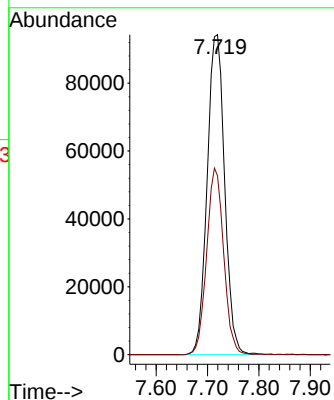
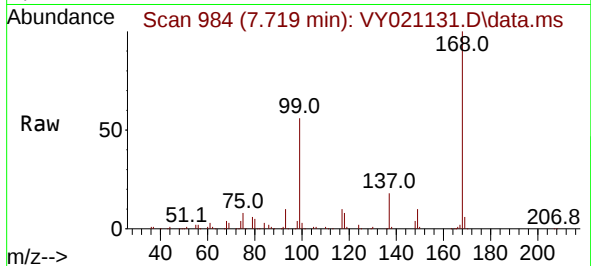




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021131.D
Acq: 07 Feb 2025 10:08

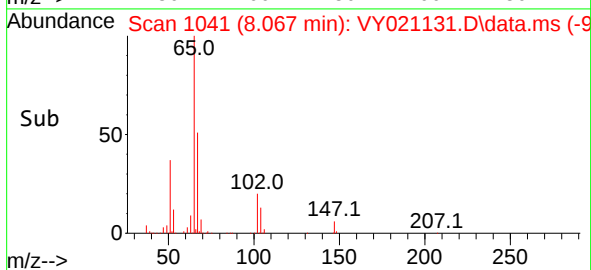
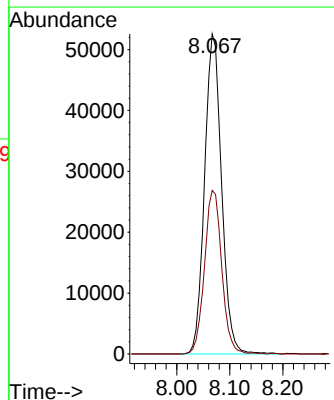
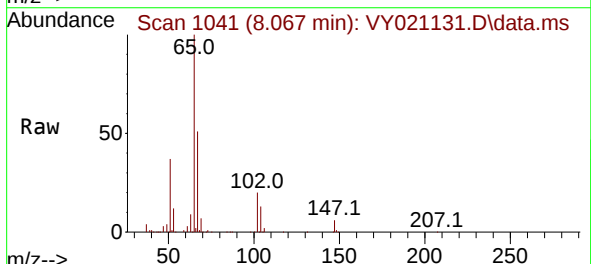
Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBL01

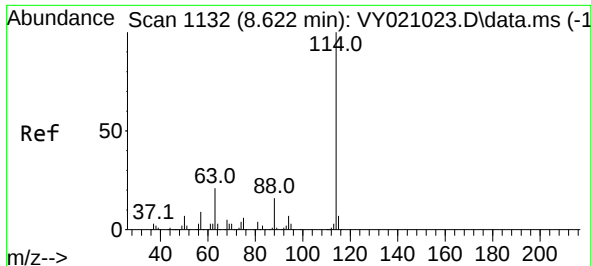
Tgt Ion:168 Resp: 222650
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 51.279 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021131.D
Acq: 07 Feb 2025 10:08

Tgt Ion: 65 Resp: 116979
Ion Ratio Lower Upper
65 100
67 51.9 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021131.D

Acq: 07 Feb 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBL01

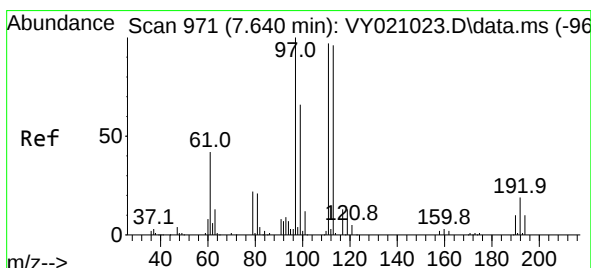
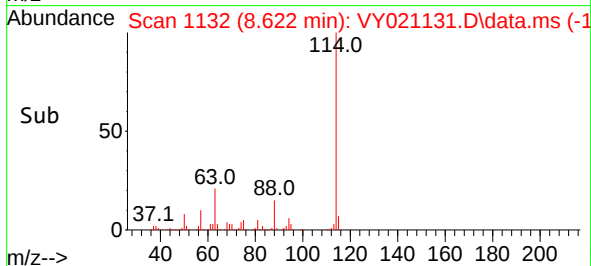
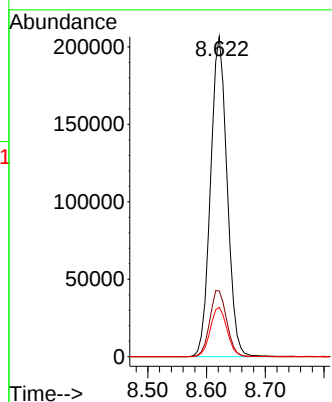
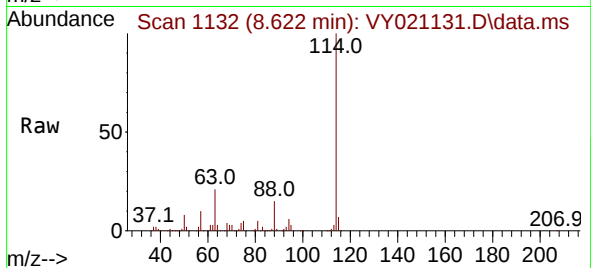
Tgt Ion:114 Resp: 403911

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

88 15.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.434 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021131.D

Acq: 07 Feb 2025 10:08

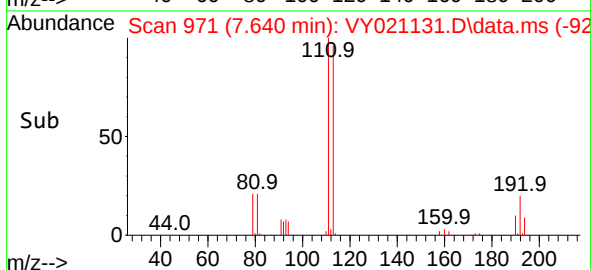
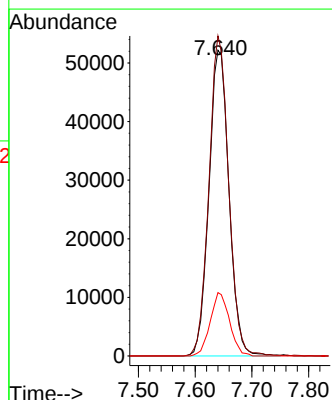
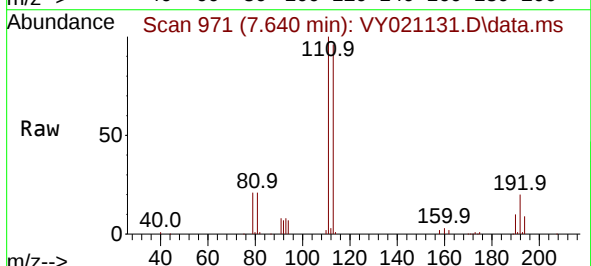
Tgt Ion:113 Resp: 127961

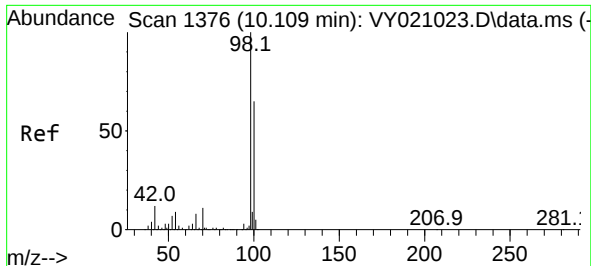
Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 20.0 14.5 21.7

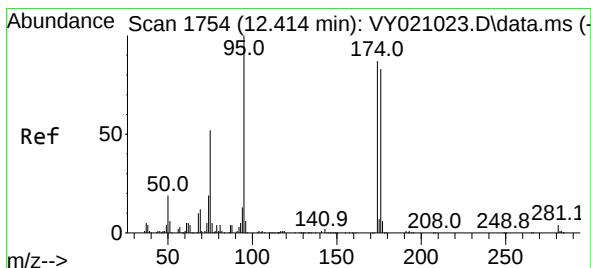
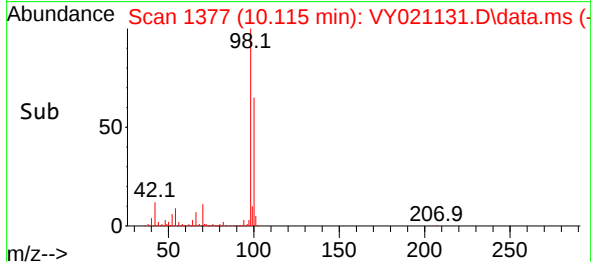
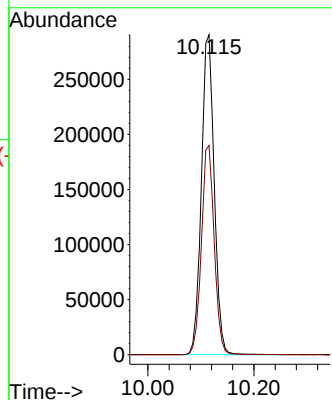
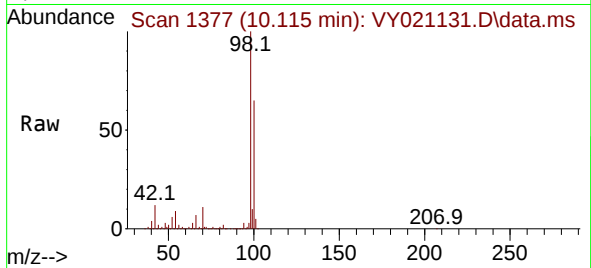




#50
Toluene-d8
Concen: 49.590 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021131.D
Acq: 07 Feb 2025 10:08

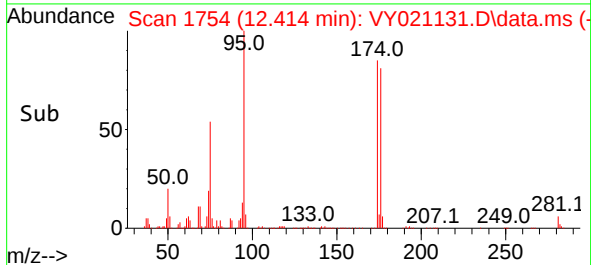
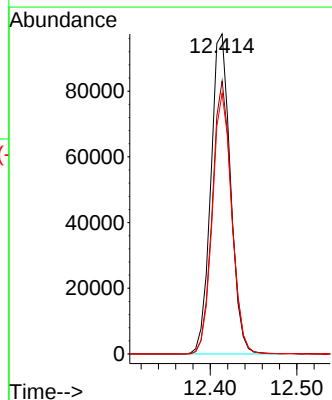
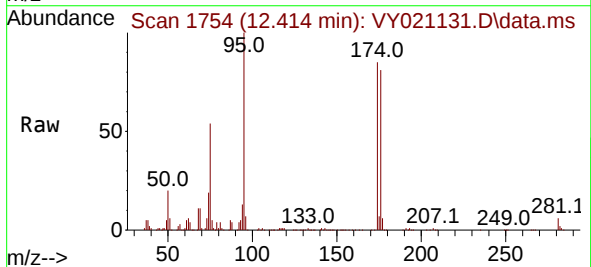
Instrument :
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VY0207SBL01

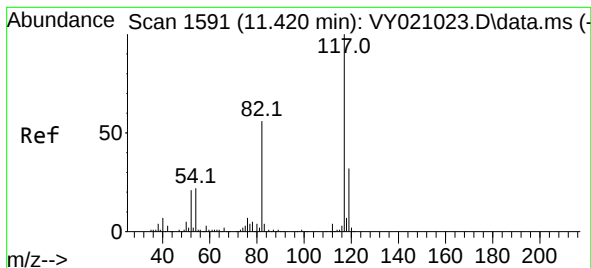
Tgt Ion: 98 Resp: 488700
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 47.630 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021131.D
Acq: 07 Feb 2025 10:08

Tgt Ion: 95 Resp: 153343
Ion Ratio Lower Upper
95 100
174 83.6 0.0 160.0
176 80.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021131.D

Acq: 07 Feb 2025 10:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBL01

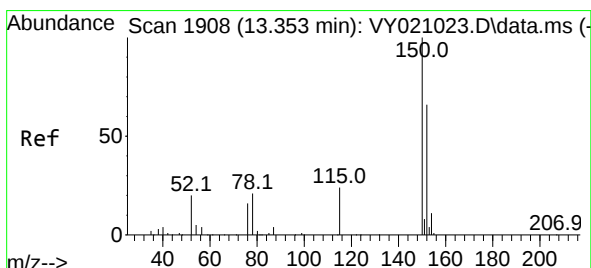
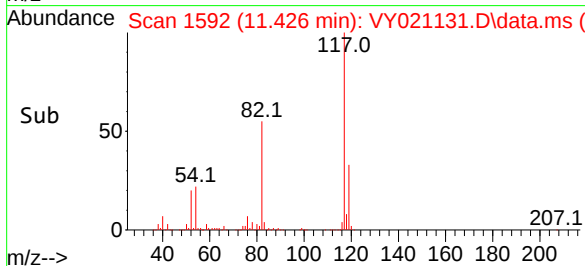
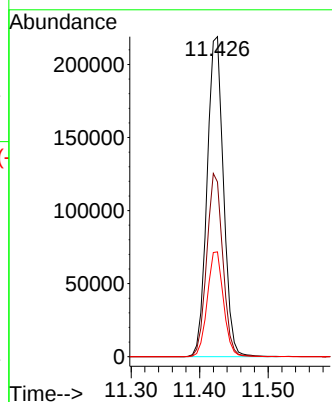
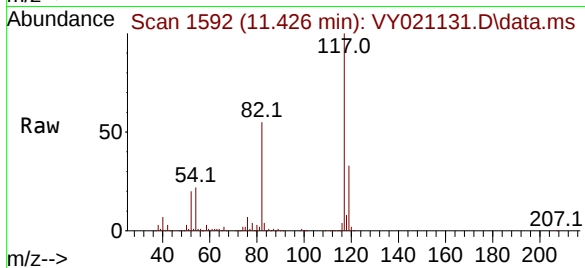
Tgt Ion:117 Resp: 364645

Ion Ratio Lower Upper

117 100

82 54.6 43.8 65.8

119 32.8 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021131.D

Acq: 07 Feb 2025 10:08

Tgt Ion:152 Resp: 133881

Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.0

150 157.7 0.0 344.6

