

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022575.D
 Acq On : 05 Jun 2025 15:31
 Operator : SY/MD
 Sample : Q2208-29
 Misc : 5.82g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-09

Quant Time: Jun 06 01:25:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	423720	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	790707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	654628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	249842	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	246964	52.112	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.220%
35) Dibromofluoromethane	7.628	113	237218	50.263	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.520%
50) Toluene-d8	10.103	98	974477	51.100	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.200%
62) 4-Bromofluorobenzene	12.402	95	250257	44.044	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.080%

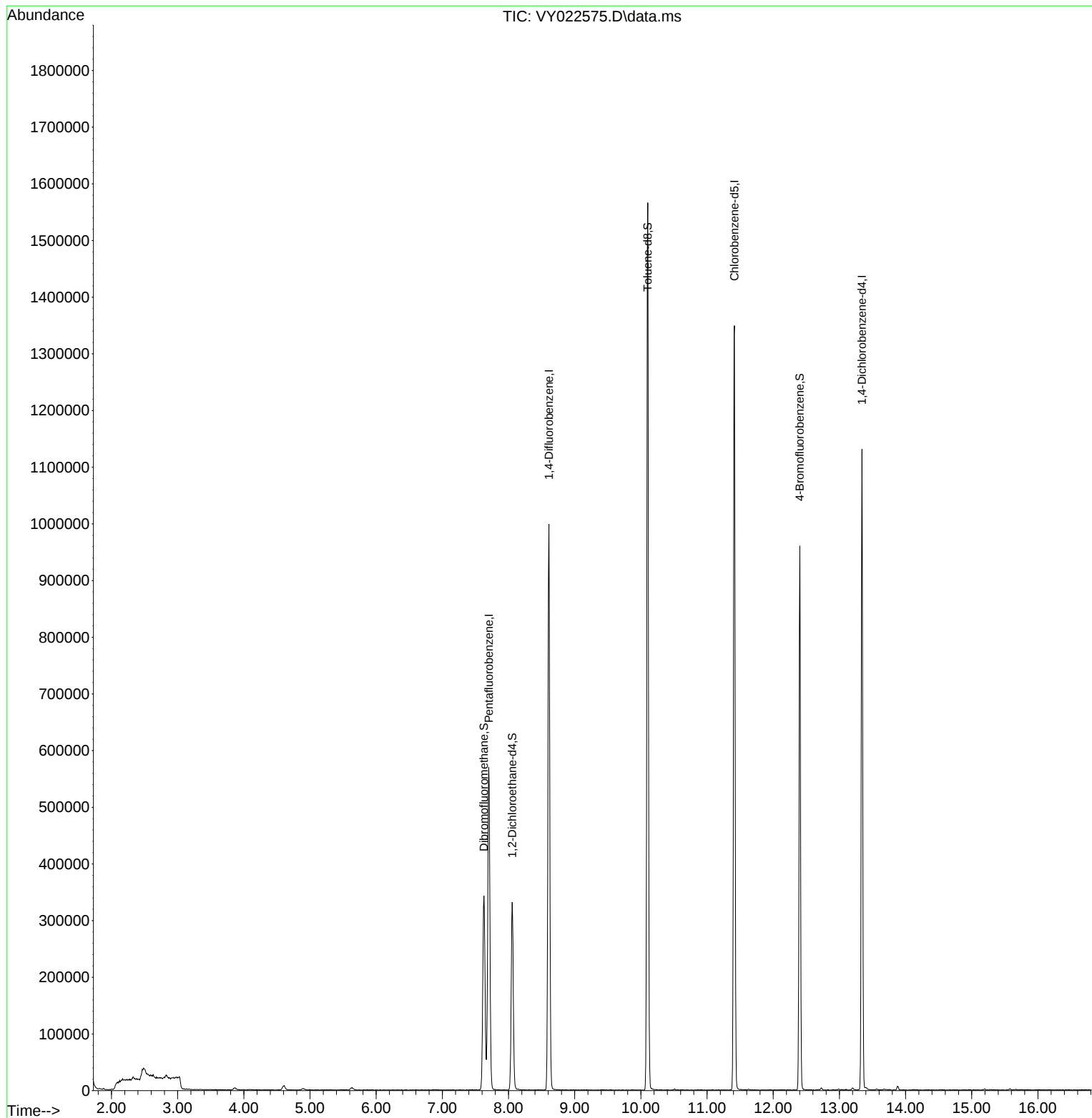
Target Compounds	Qvalue

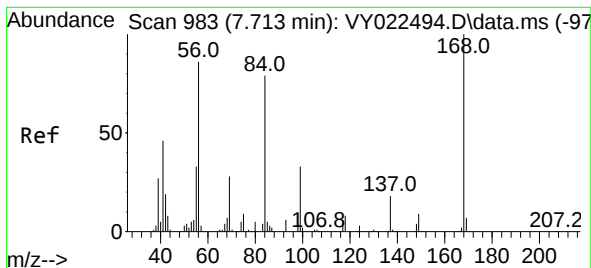
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY022575.D

Acq: 05 Jun 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

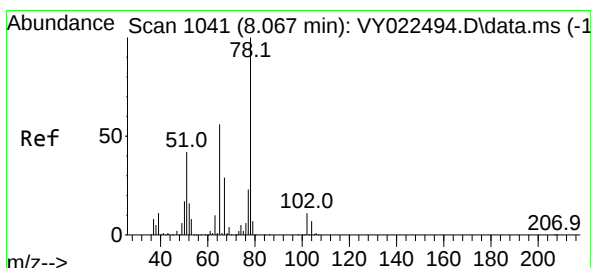
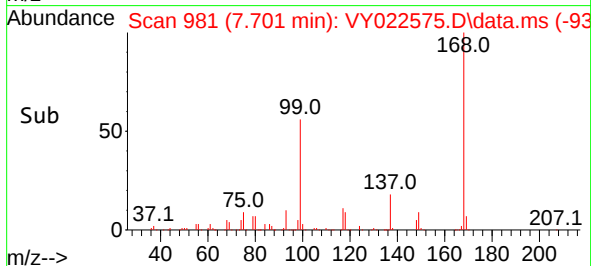
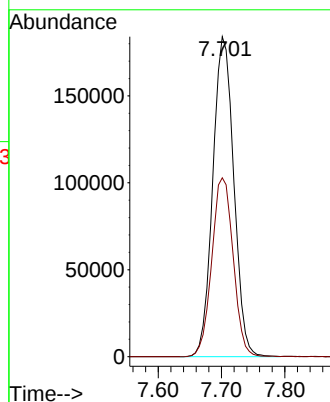
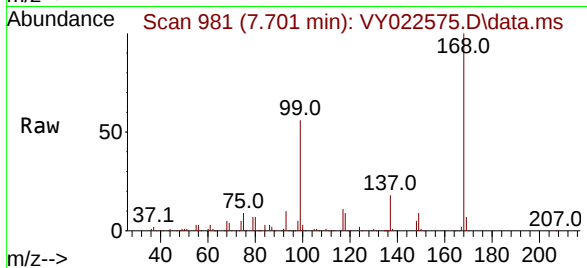
BU-703-VOC-09

Tgt Ion:168 Resp: 423720

Ion Ratio Lower Upper

168 100

99 55.9 44.3 66.5



#33

1,2-Dichloroethane-d4

Concen: 52.112 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022575.D

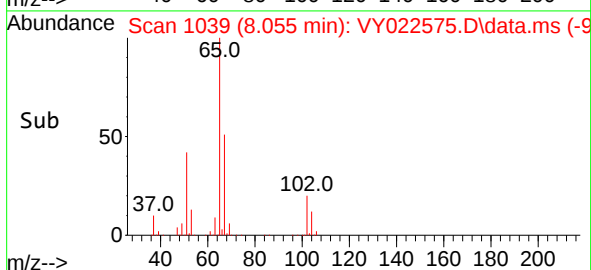
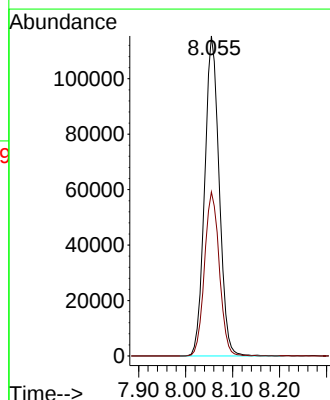
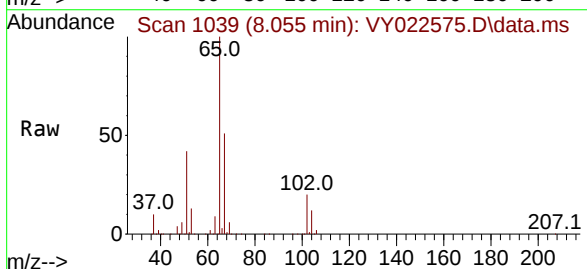
Acq: 05 Jun 2025 15:31

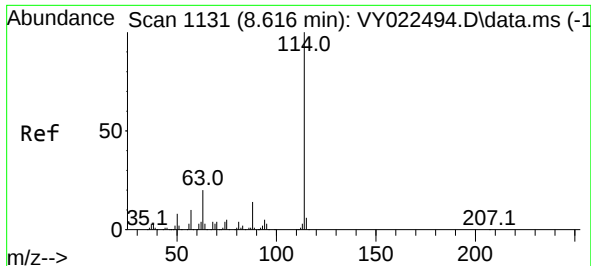
Tgt Ion: 65 Resp: 246964

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022575.D

Acq: 05 Jun 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-09

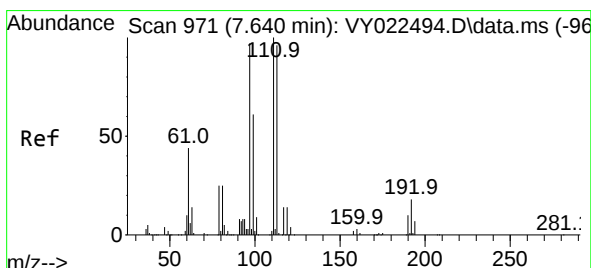
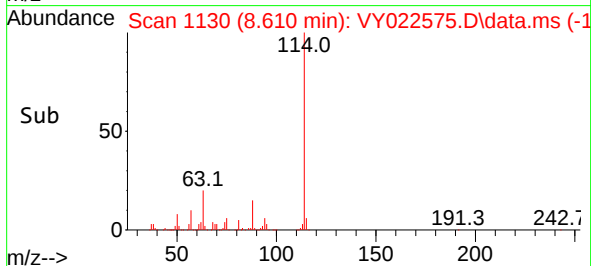
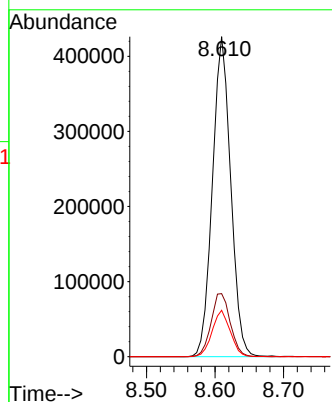
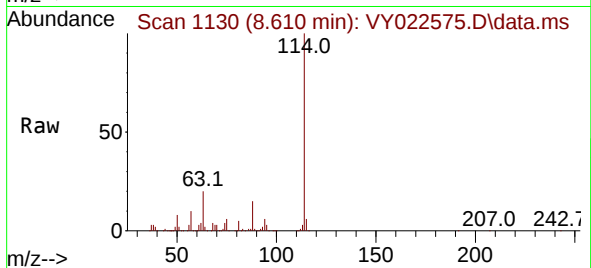
Tgt Ion:114 Resp: 790707

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 14.5 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.263 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022575.D

Acq: 05 Jun 2025 15:31

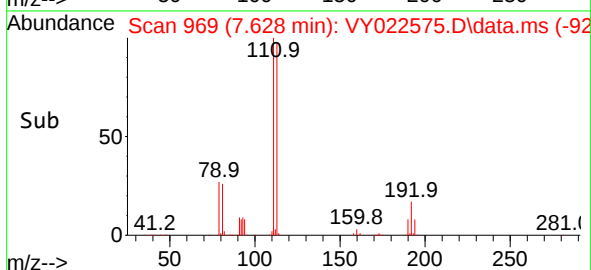
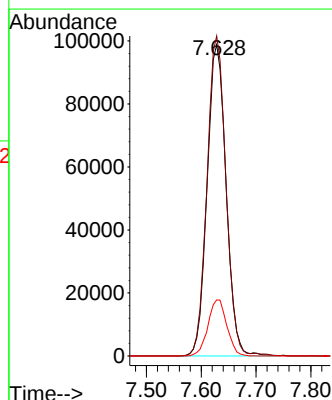
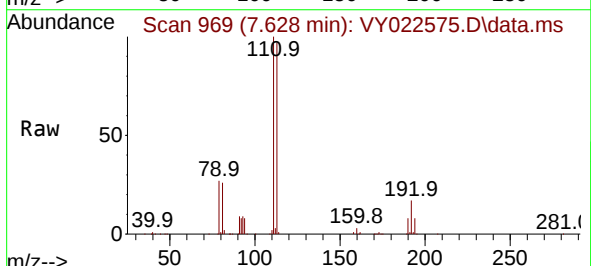
Tgt Ion:113 Resp: 237218

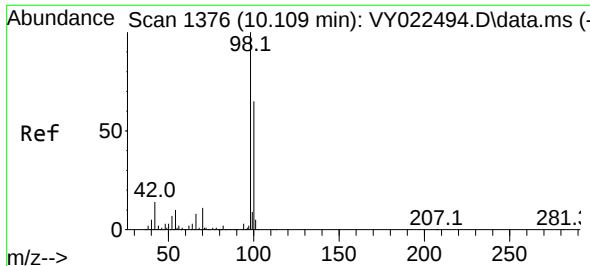
Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

192 18.0 14.2 21.2

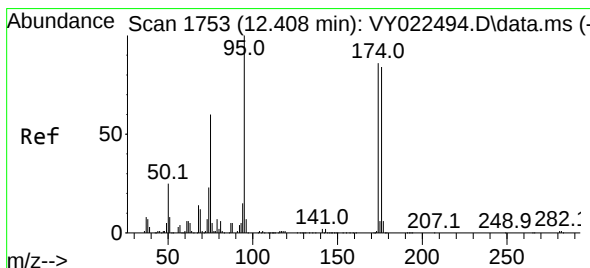
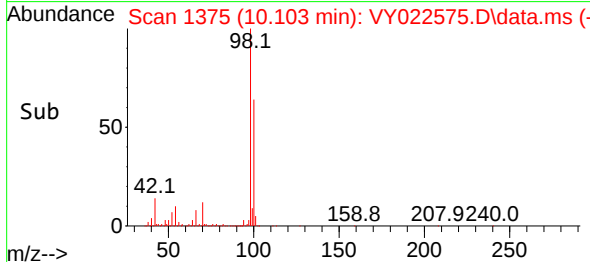
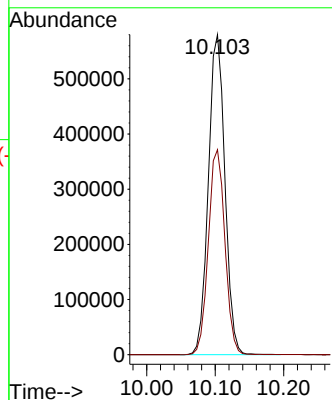
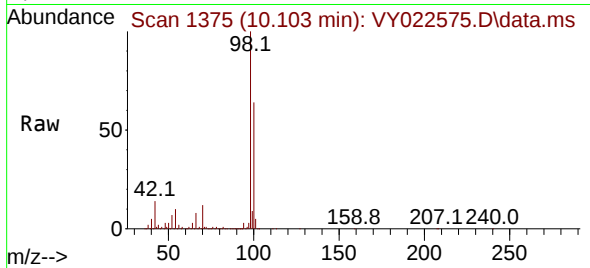




#50
Toluene-d8
Concen: 51.100 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022575.D
Acq: 05 Jun 2025 15:31

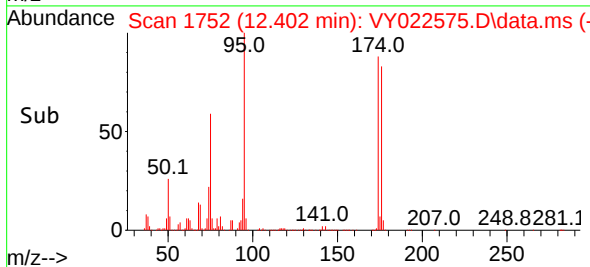
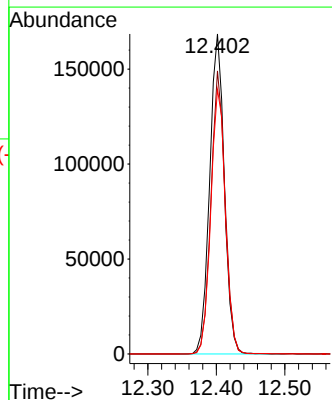
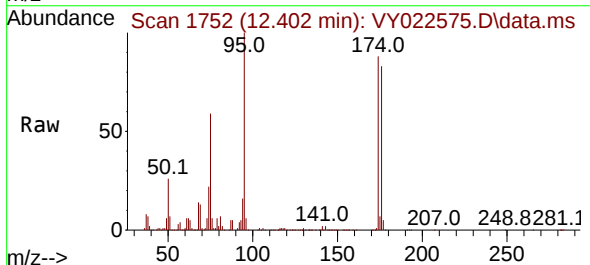
Instrument :
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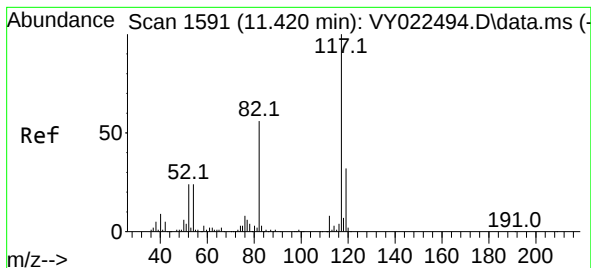
Tgt Ion: 98 Resp: 974477
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 44.044 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022575.D
Acq: 05 Jun 2025 15:31

Tgt Ion: 95 Resp: 250257
Ion Ratio Lower Upper
95 100
174 86.0 0.0 170.0
176 82.6 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022575.D

Acq: 05 Jun 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-09

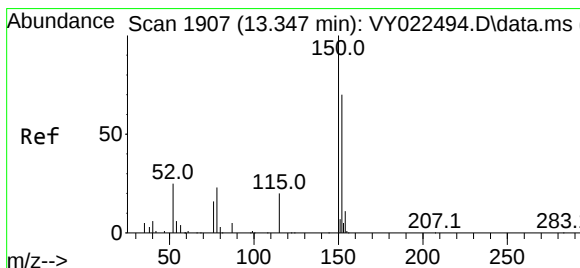
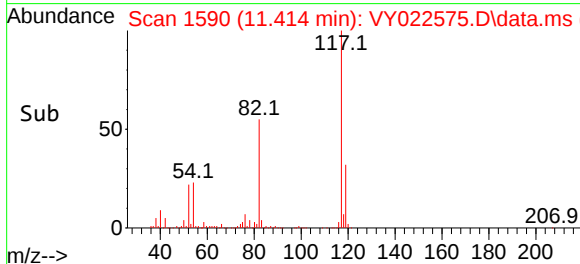
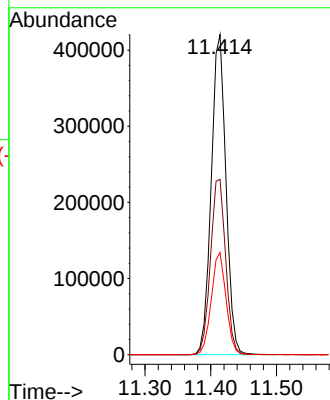
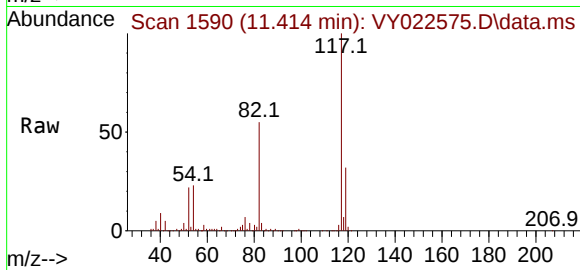
Tgt Ion:117 Resp: 654628

Ion Ratio Lower Upper

117 100

82 54.8 44.6 66.8

119 31.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022575.D

Acq: 05 Jun 2025 15:31

Tgt Ion:152 Resp: 249842

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

150 158.1 0.0 349.6

