

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022578.D
 Acq On : 05 Jun 2025 16:42
 Operator : SY/MD
 Sample : Q2207-20
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-03

Quant Time: Jun 06 01:26:59 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	7.707	168	513432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	960851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	799471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	306848	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	286075	49.818	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.640%
35) Dibromofluoromethane	7.628	113	286322	49.924	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.840%
50) Toluene-d8	10.103	98	1175438	50.723	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.440%
62) 4-Bromofluorobenzene	12.402	95	307971	44.604	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.200%

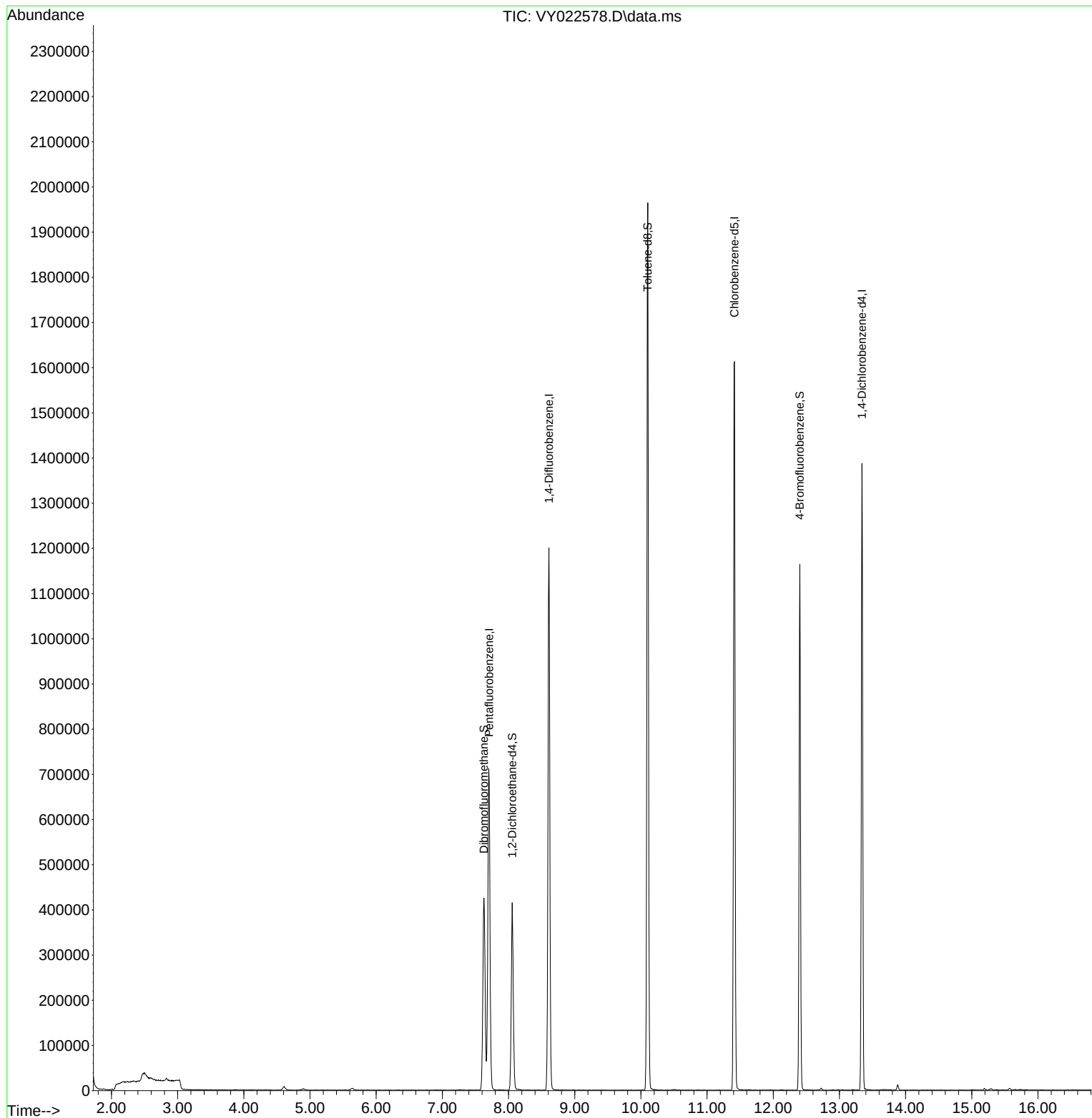
Target Compounds	Qvalue

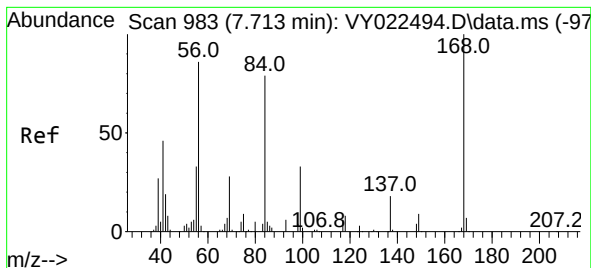
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022578.D

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Instrument :

MSVOA_Y

ClientSampleId :

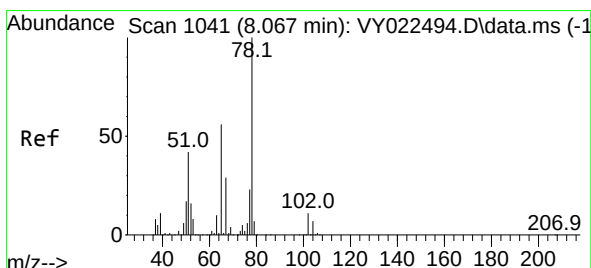
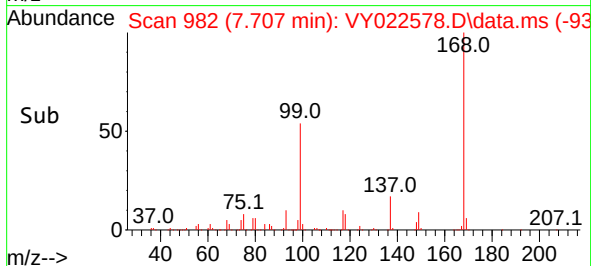
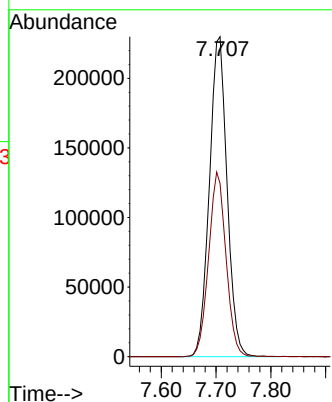
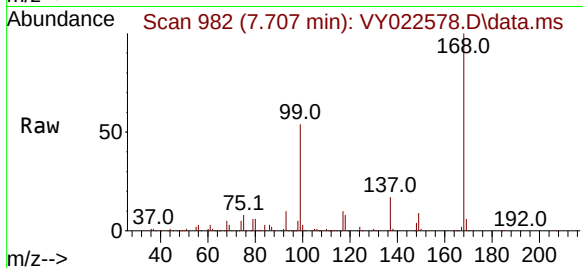
BU-703-VOC-03

Tgt Ion:168 Resp: 513432

Ion Ratio Lower Upper

168 100

99 54.1 44.3 66.5



#33

1,2-Dichloroethane-d4

Concen: 49.818 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022578.D

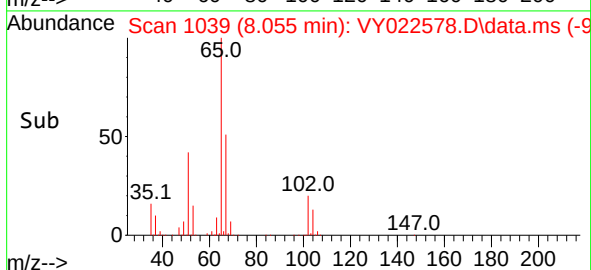
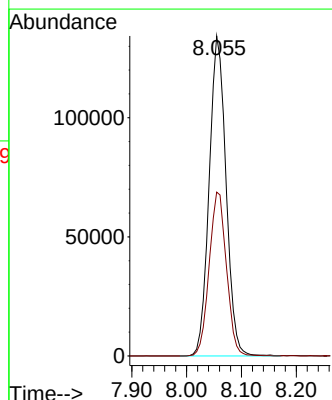
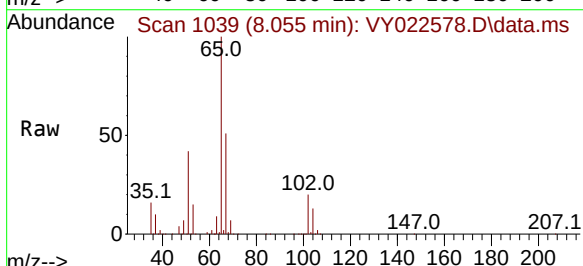
Acq: 05 Jun 2025 16:42

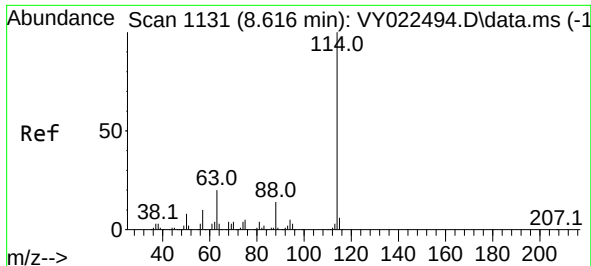
Tgt Ion: 65 Resp: 286075

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4

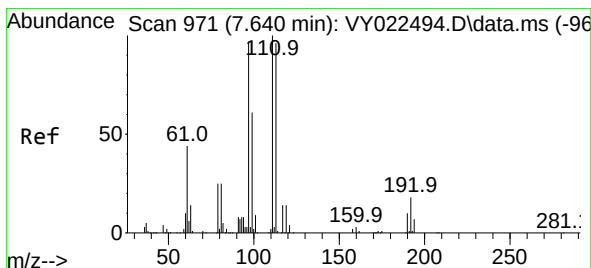
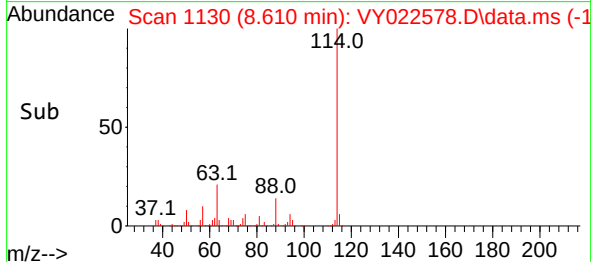
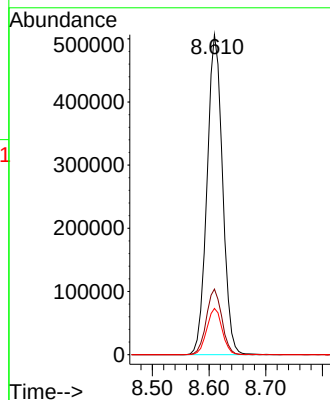
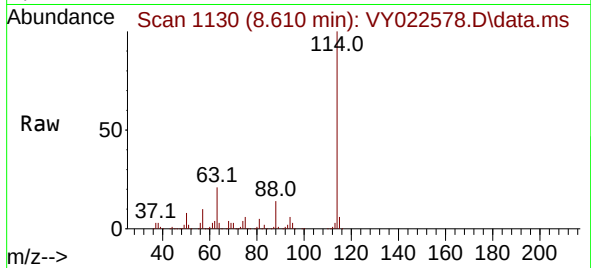




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022578.D
Acq: 05 Jun 2025 16:42

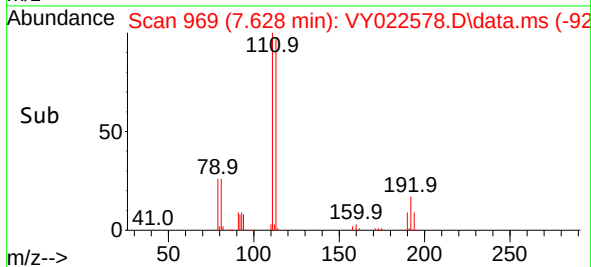
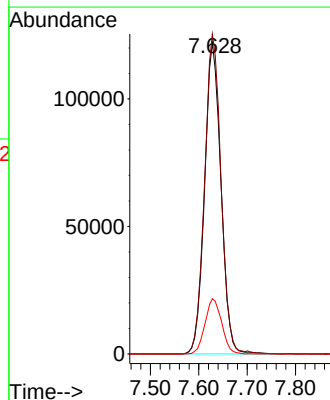
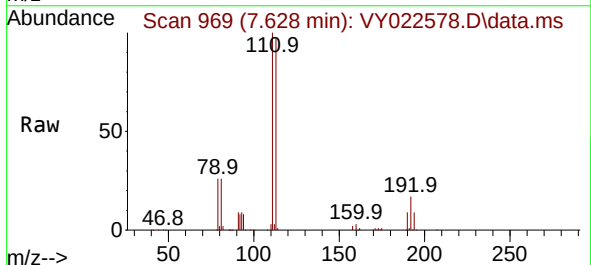
Instrument :
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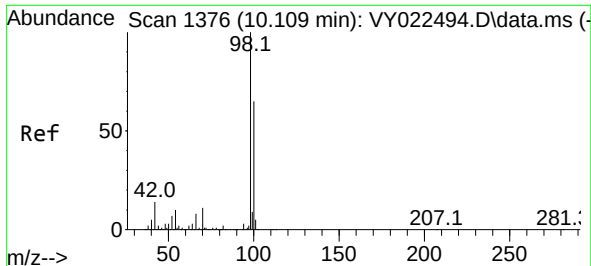
Tgt Ion:114 Resp: 960851
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 14.4 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.924 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022578.D
Acq: 05 Jun 2025 16:42

Tgt Ion:113 Resp: 286322
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 18.1 14.2 21.2

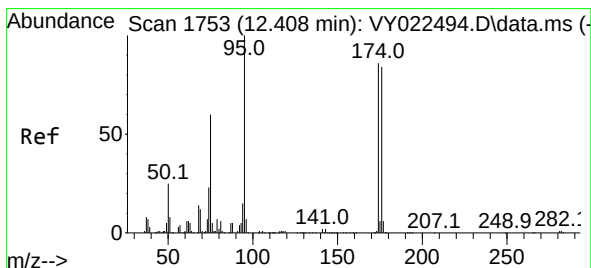
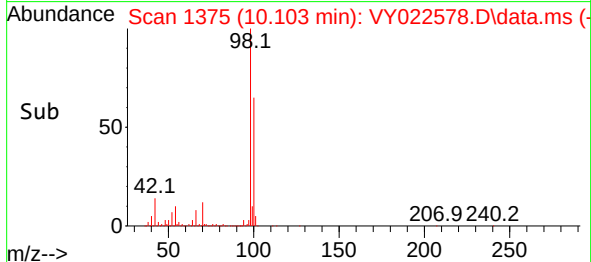
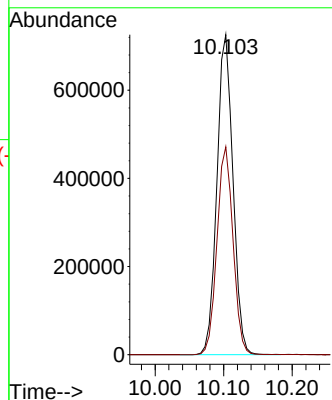
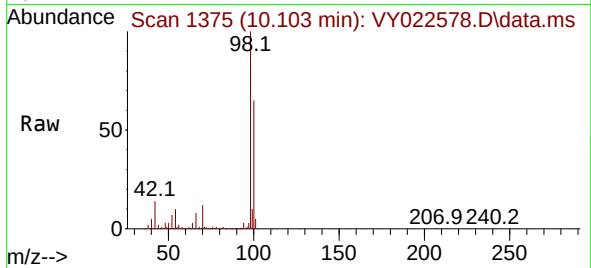




#50
Toluene-d8
Concen: 50.723 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022578.D
Acq: 05 Jun 2025 16:42

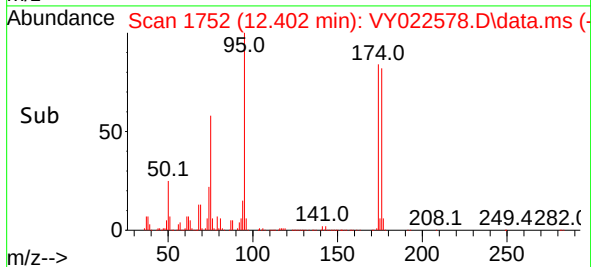
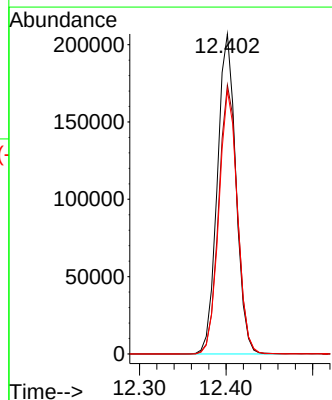
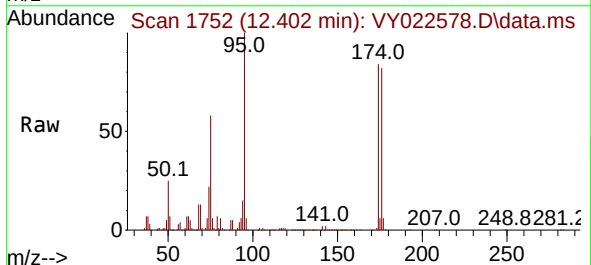
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-03

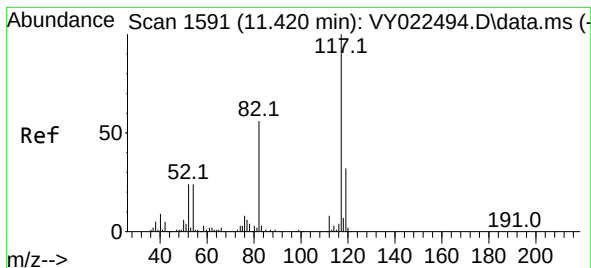
Tgt Ion: 98 Resp: 1175438
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 44.604 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022578.D
Acq: 05 Jun 2025 16:42

Tgt Ion: 95 Resp: 307971
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.0
176 82.4 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY022578.D

Acq: 05 Jun 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-03

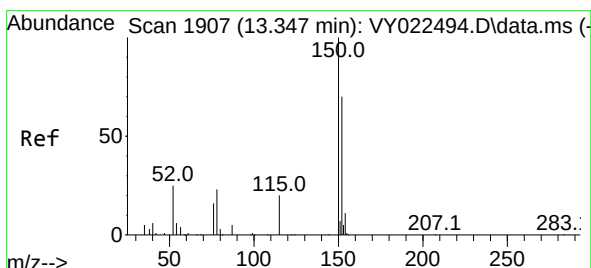
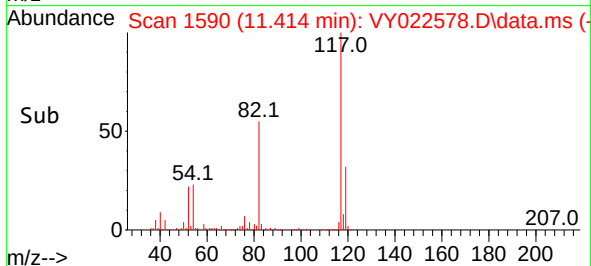
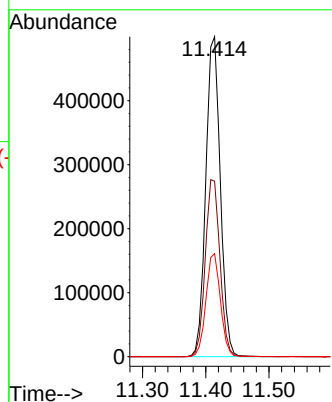
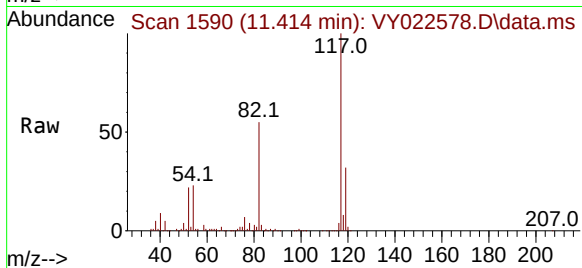
Tgt Ion:117 Resp: 799471

Ion Ratio Lower Upper

117 100

82 54.8 44.6 66.8

119 32.2 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: VY022578.D

Acq: 05 Jun 2025 16:42

Tgt Ion:152 Resp: 306848

Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 157.4 0.0 349.6

