

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
 Data File : VY023046.D
 Acq On : 22 Jul 2025 15:11
 Operator : SY/MD
 Sample : Q2668-07
 Misc : 4.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-VOC

Quant Time: Jul 23 02:05:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	284787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	559570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	594159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	274998	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	172936	59.985	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.960%
35) Dibromofluoromethane	7.634	113	176828	49.817	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.640%
50) Toluene-d8	10.103	98	728223	51.734	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.460%
62) 4-Bromofluorobenzene	12.402	95	276307	62.358	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	124.720%

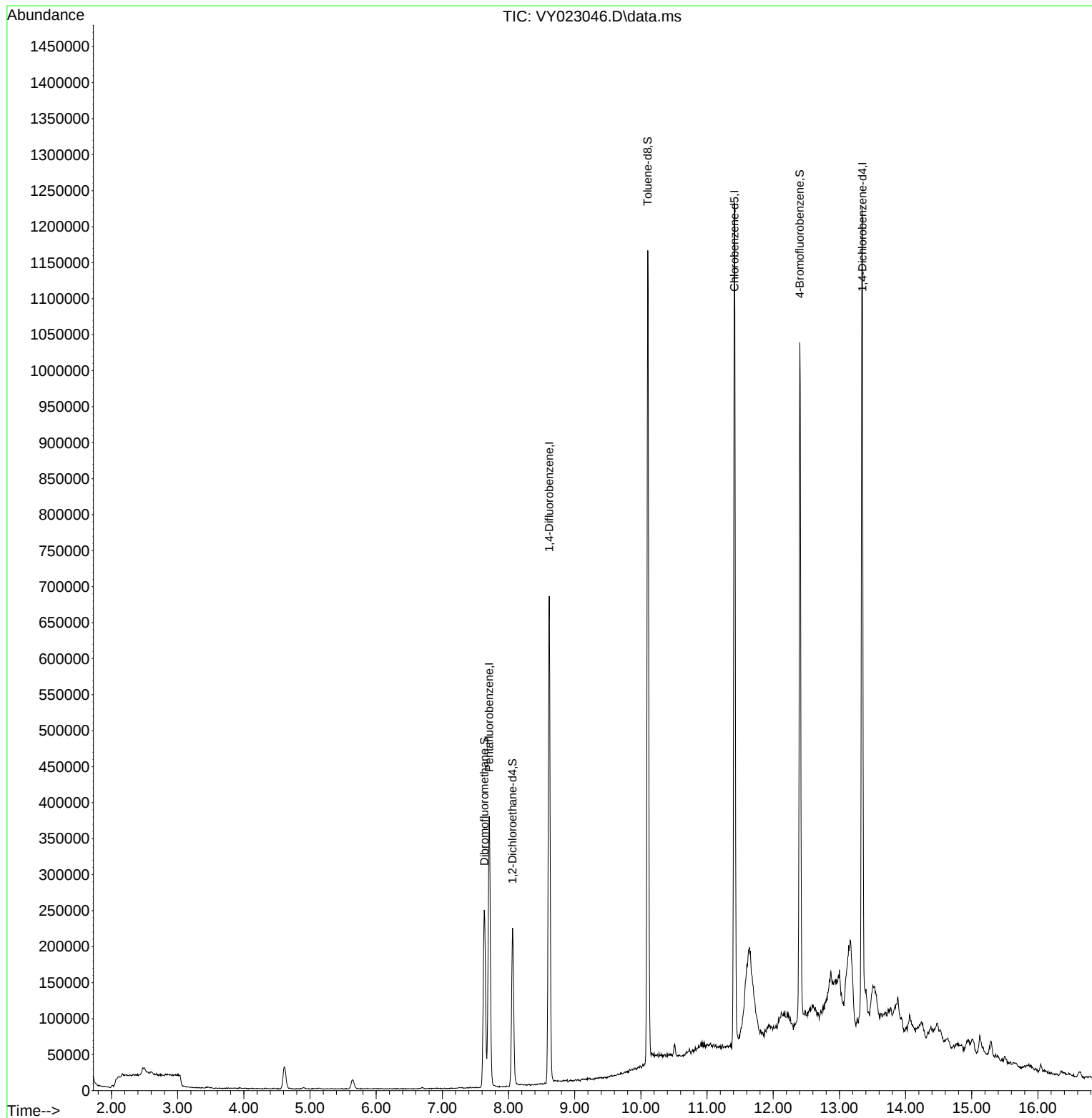
Target Compounds	Qvalue

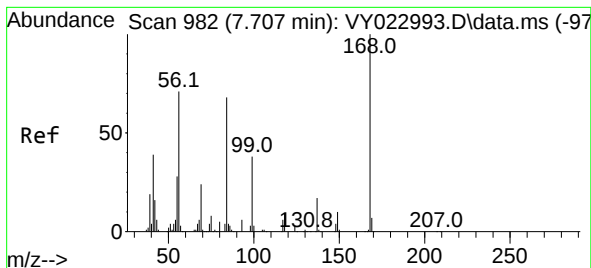
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.000 min

Lab File: VY023046.D

Acq: 22 Jul 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

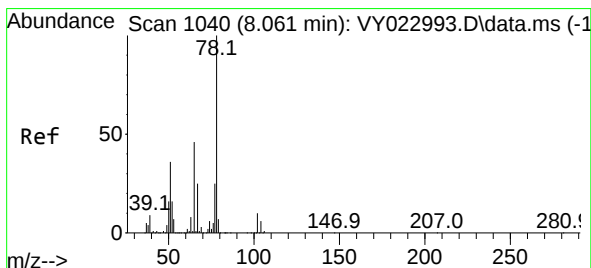
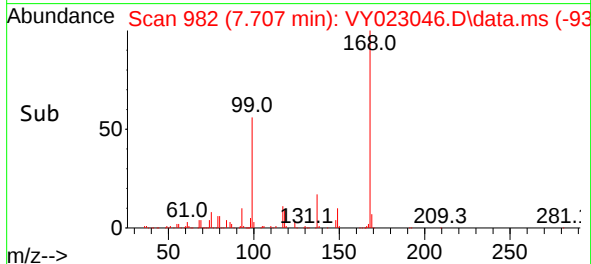
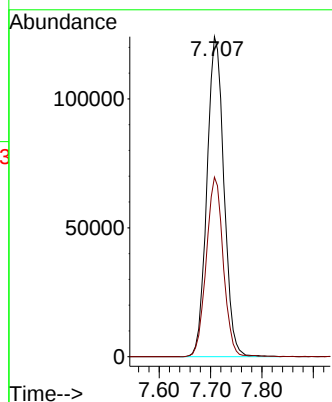
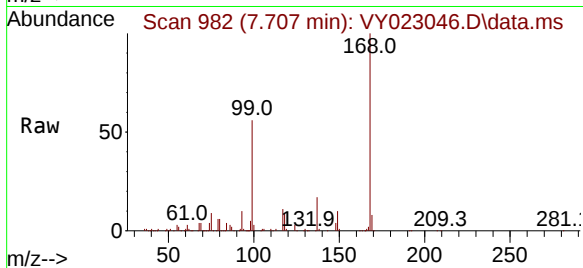
TP-3-VOC

Tgt Ion:168 Resp: 284787

Ion Ratio Lower Upper

168 100

99 56.1 44.4 66.6



#33

1,2-Dichloroethane-d4

Concen: 59.985 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023046.D

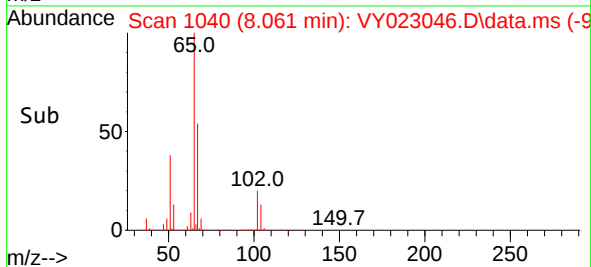
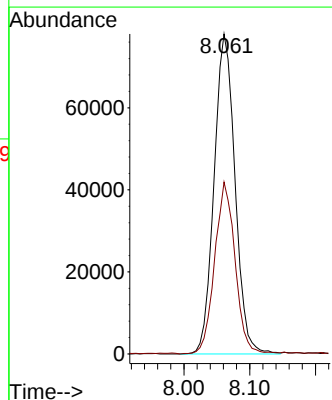
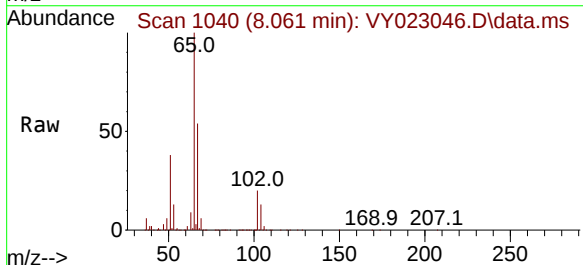
Acq: 22 Jul 2025 15:11

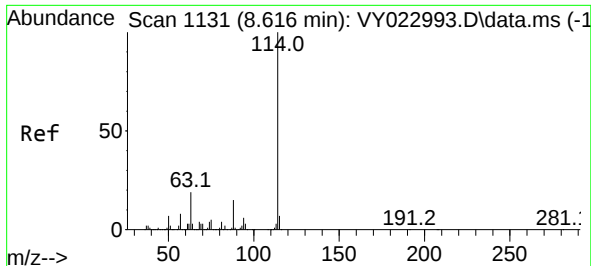
Tgt Ion: 65 Resp: 172936

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023046.D

Acq: 22 Jul 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-VOC

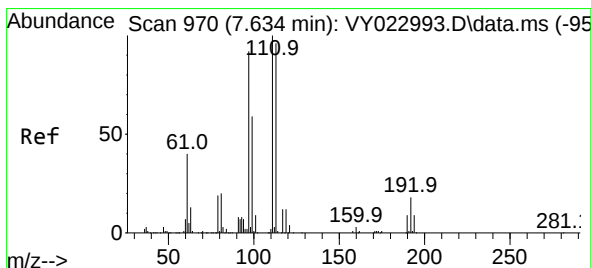
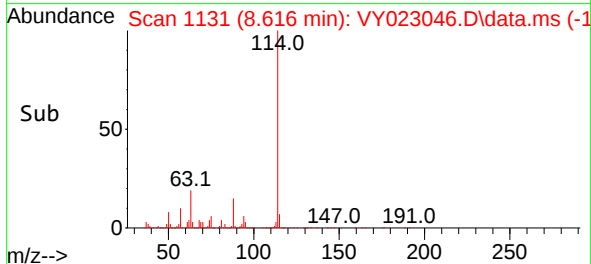
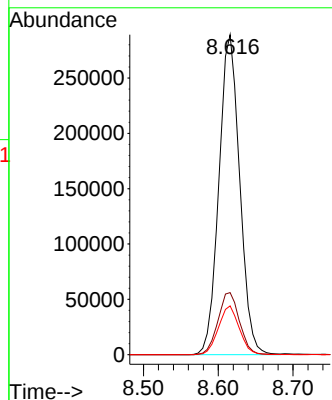
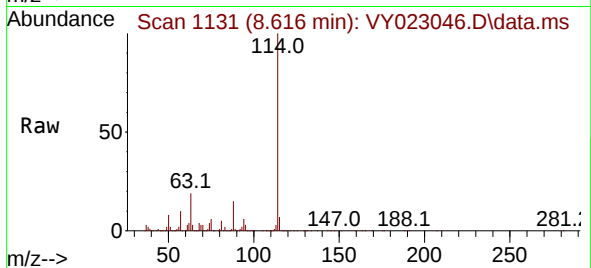
Tgt Ion:114 Resp: 559570

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.8

88 15.3 0.0 30.2



#35

Dibromofluoromethane

Concen: 49.817 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023046.D

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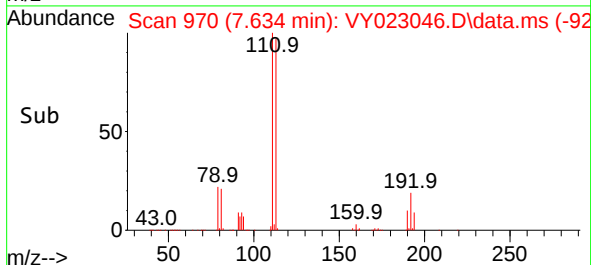
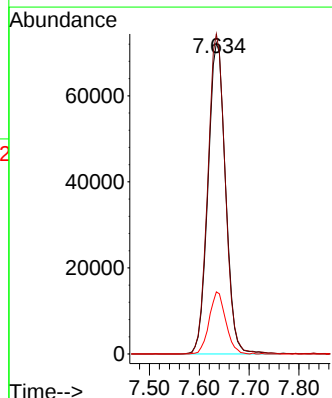
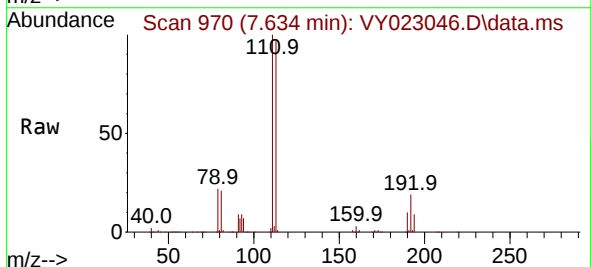
Tgt Ion:113 Resp: 176828

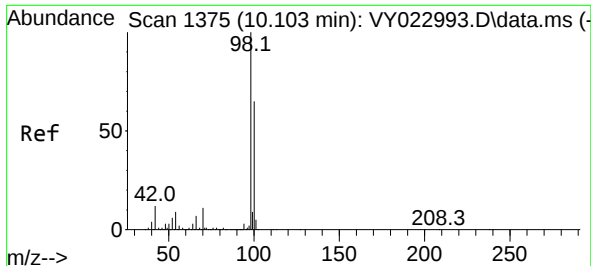
Ion Ratio Lower Upper

113 100

111 102.2 83.2 124.8

192 18.8 15.3 22.9

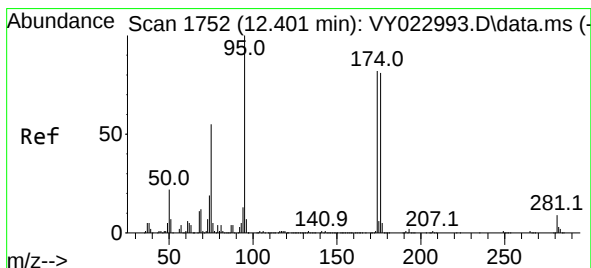
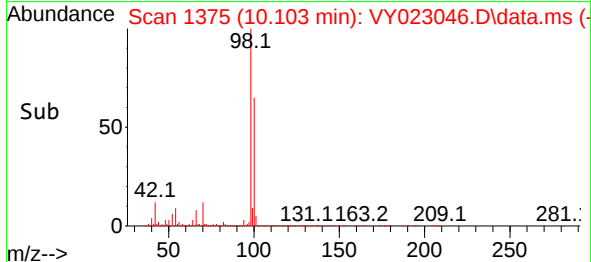
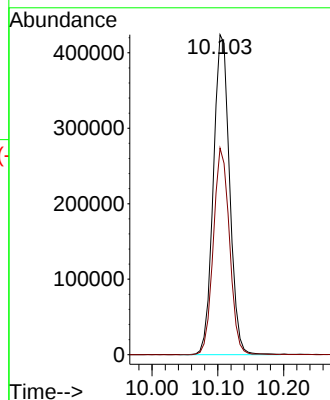
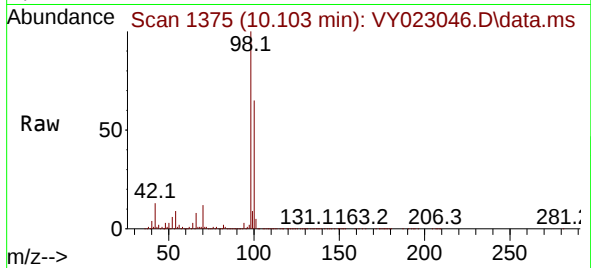




#50
Toluene-d8
Concen: 51.734 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023046.D
Acq: 22 Jul 2025 15:11

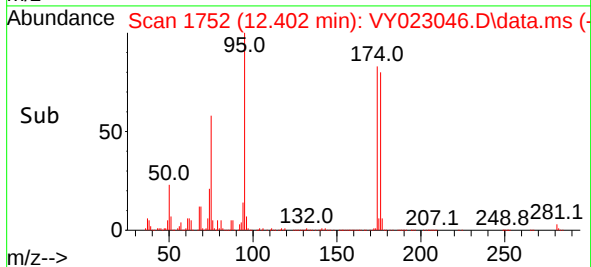
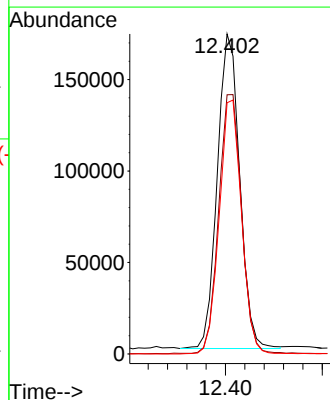
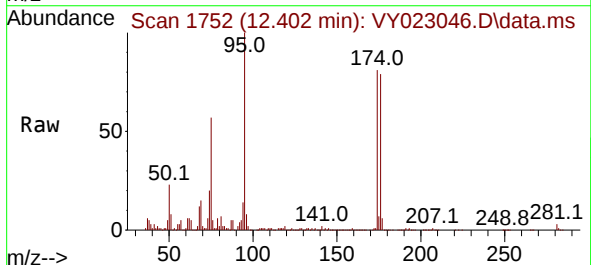
Instrument :
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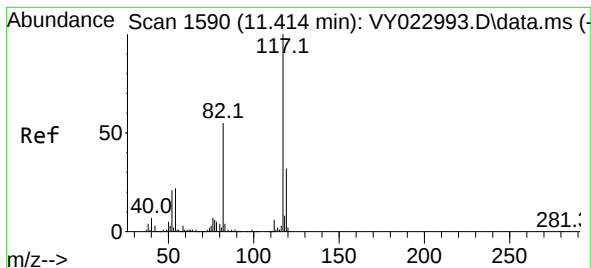
Tgt Ion: 98 Resp: 728223
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 62.358 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023046.D
Acq: 22 Jul 2025 15:11

Tgt Ion: 95 Resp: 276307
Ion Ratio Lower Upper
95 100
174 84.2 0.0 170.8
176 80.5 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023046.D

Acq: 22 Jul 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-VOC

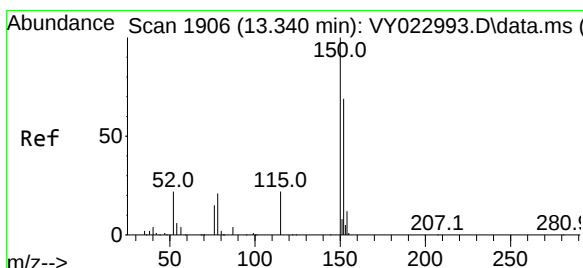
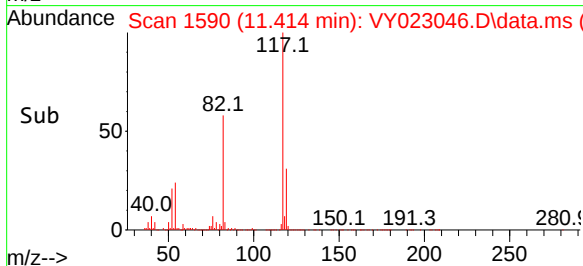
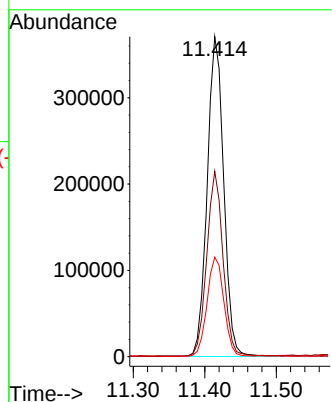
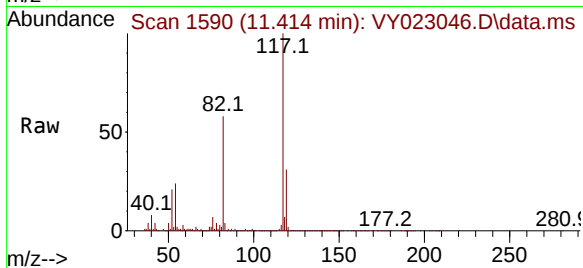
Tgt Ion:117 Resp: 594159

Ion Ratio Lower Upper

117 100

82 57.7 44.3 66.5

119 31.0 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023046.D

Acq: 22 Jul 2025 15:11

Tgt Ion:152 Resp: 274998

Ion Ratio Lower Upper

152 100

115 57.8 29.4 88.2

150 157.6 0.0 350.0

