

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023842.D
 Acq On : 01 Dec 2025 14:46
 Operator : SY/MD
 Sample : Q3741-06
 Misc : 6.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP4-112525

Quant Time: Dec 02 03:17:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

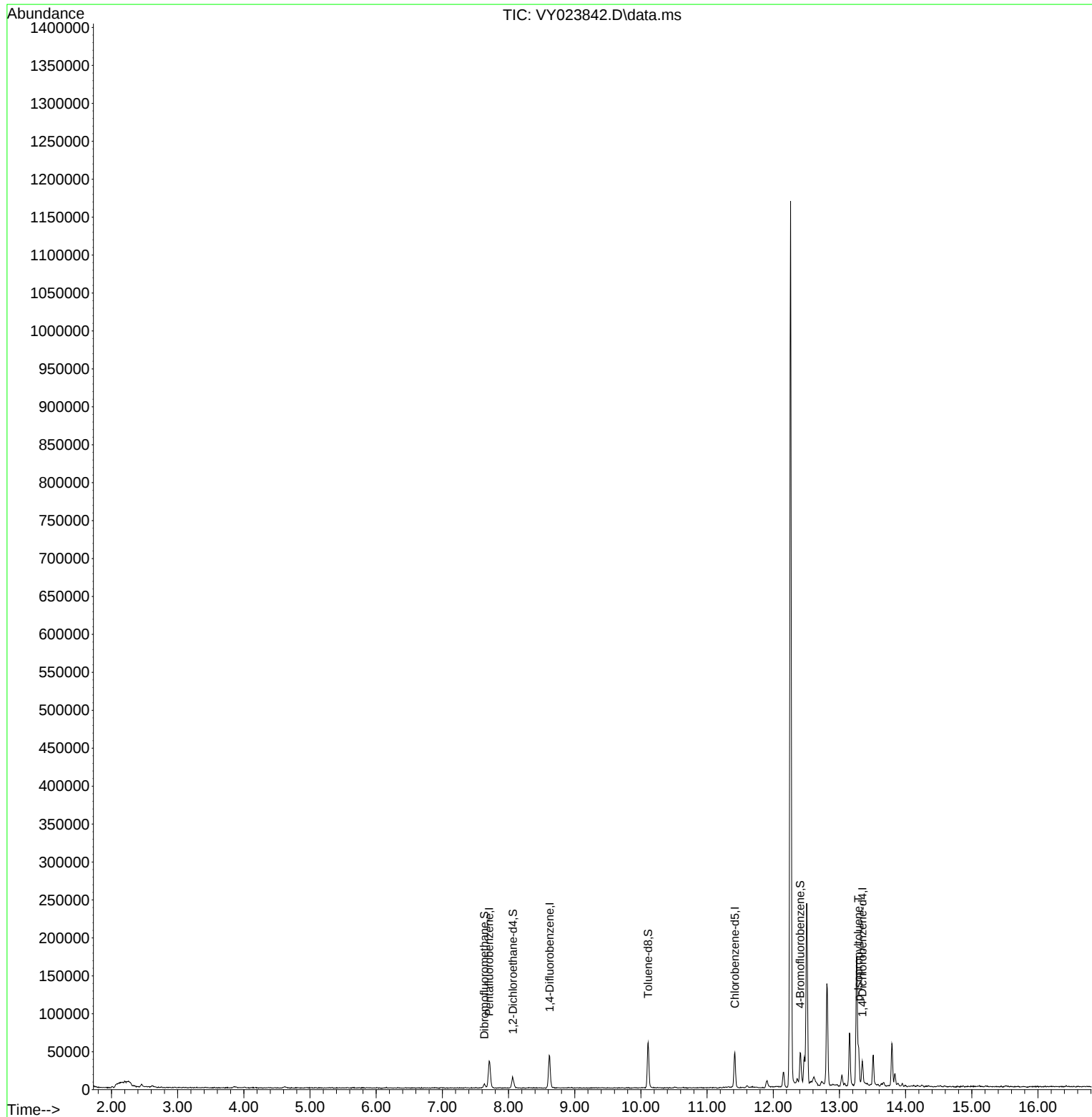
Internal Standards						
1) Pentafluorobenzene	7.707	168	27791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	36476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	25342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	6298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	10742	39.691	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.380%
35) Dibromofluoromethane	7.634	113	3469	16.054	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	32.100%#
50) Toluene-d8	10.109	98	40247	46.893	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.780%
62) 4-Bromofluorobenzene	12.408	95	9622	34.072	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.140%
Target Compounds						
					Qvalue	
86) p-Isopropyltoluene	13.286	119	27155	67.140	ug/l #	74

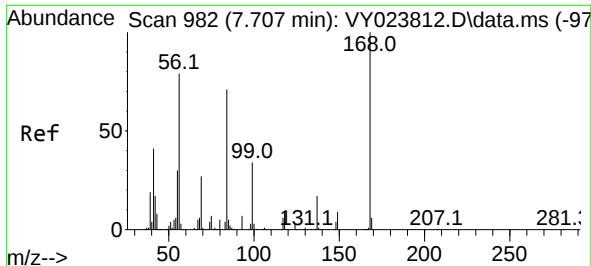
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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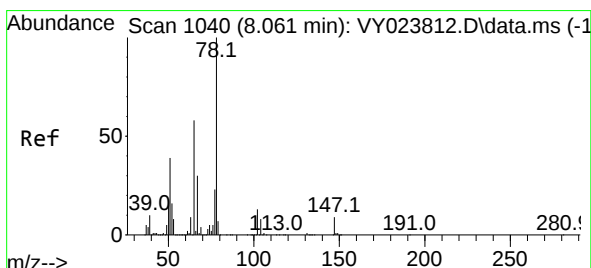
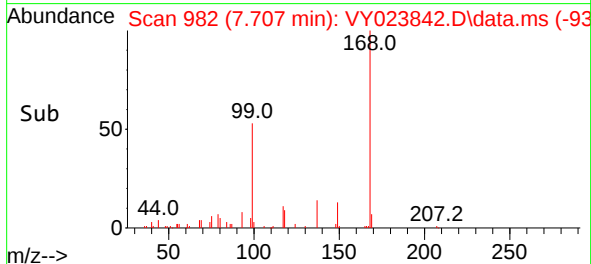
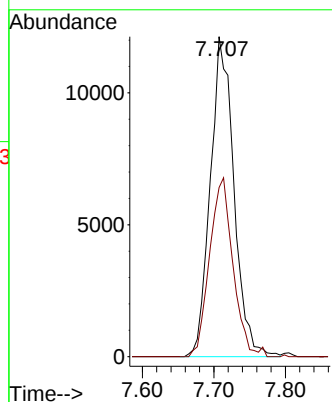
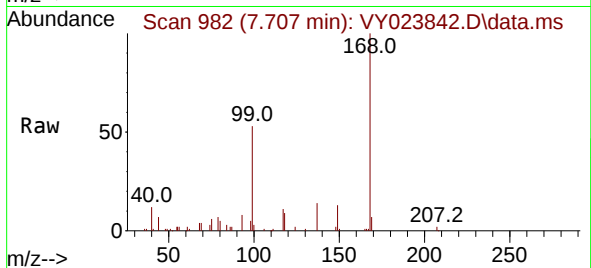




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023842.D
Acq: 01 Dec 2025 14:46

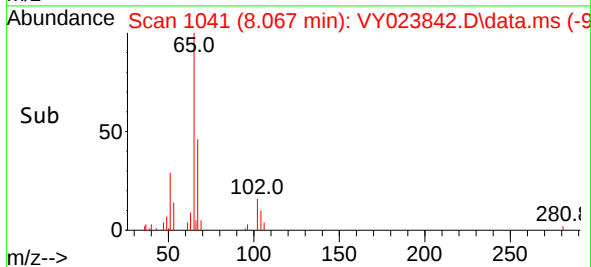
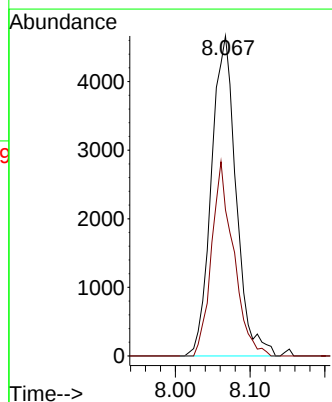
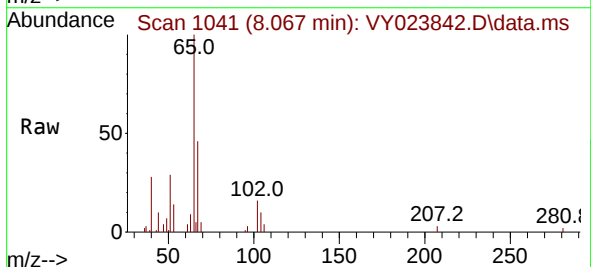
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

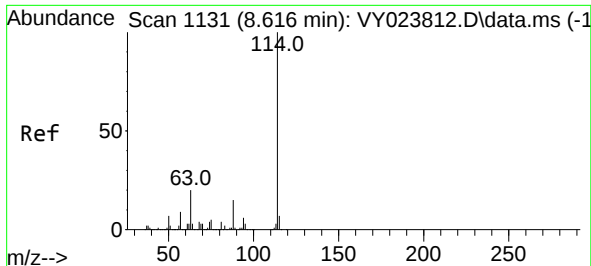
Tgt Ion:168 Resp: 27791
Ion Ratio Lower Upper
168 100
99 52.9 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 39.691 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023842.D
Acq: 01 Dec 2025 14:46

Tgt Ion: 65 Resp: 10742
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.4

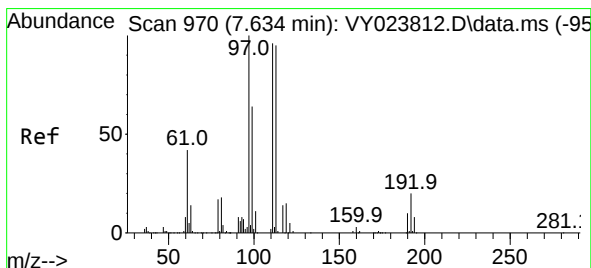
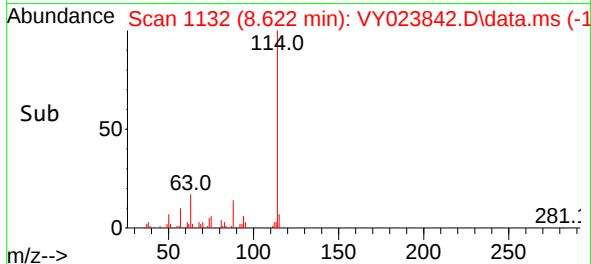
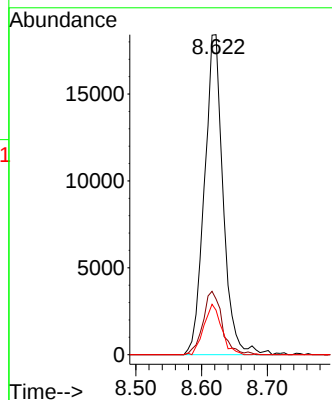
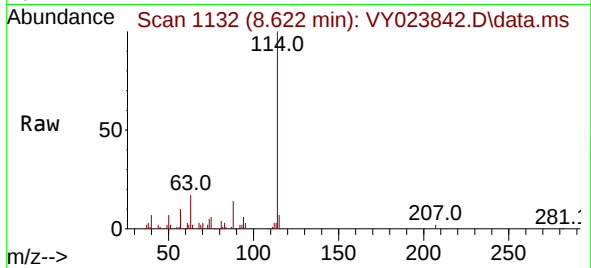




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023842.D
Acq: 01 Dec 2025 14:46

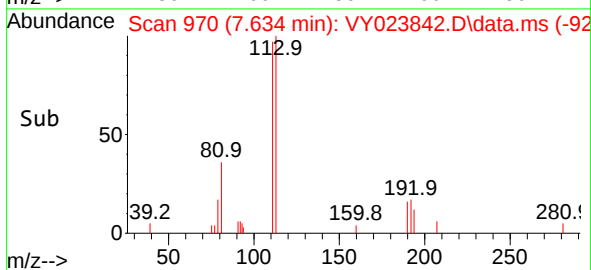
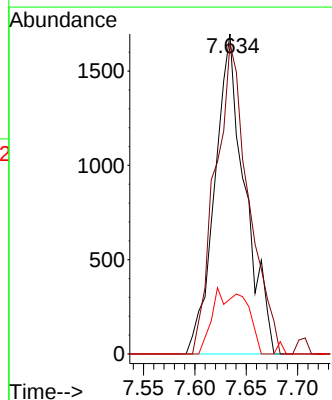
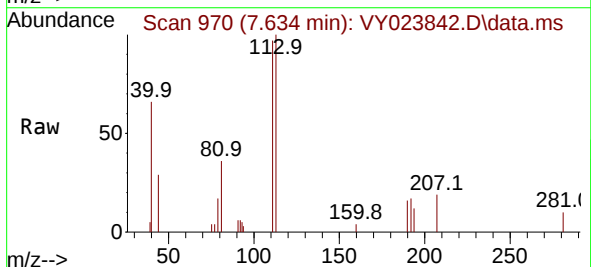
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

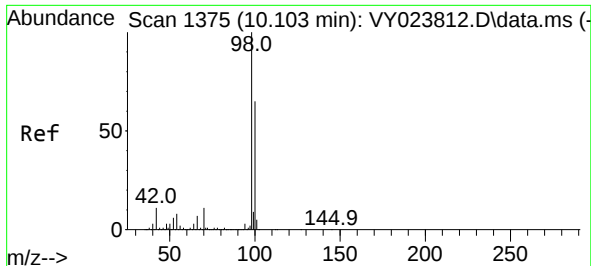
Tgt Ion:114 Resp: 36476
Ion Ratio Lower Upper
114 100
63 17.4 0.0 39.4
88 13.9 0.0 30.8



#35
Dibromofluoromethane
Concen: 16.054 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023842.D
Acq: 01 Dec 2025 14:46

Tgt Ion:113 Resp: 3469
Ion Ratio Lower Upper
113 100
111 106.9 81.4 122.0
192 22.8 15.8 23.8

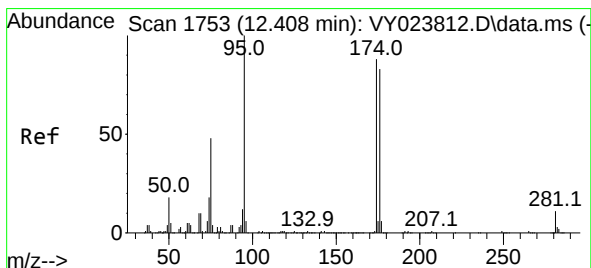
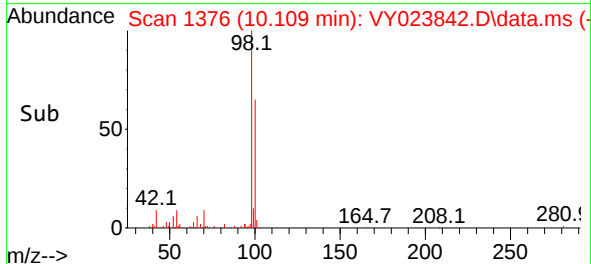
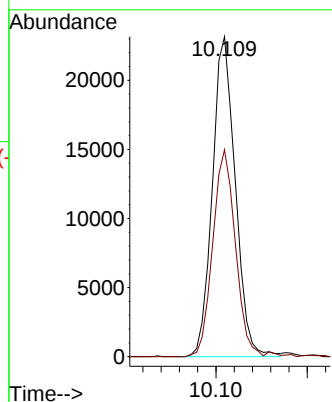
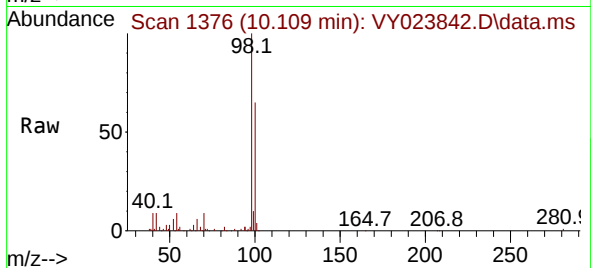




#50
Toluene-d8
Concen: 46.893 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023842.D
Acq: 01 Dec 2025 14:46

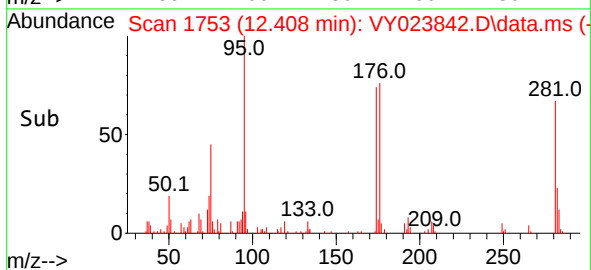
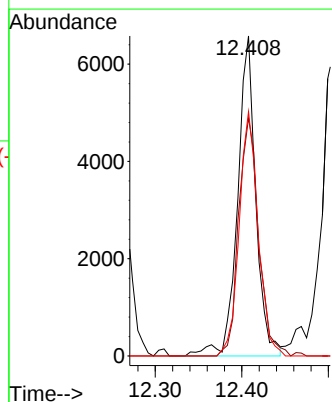
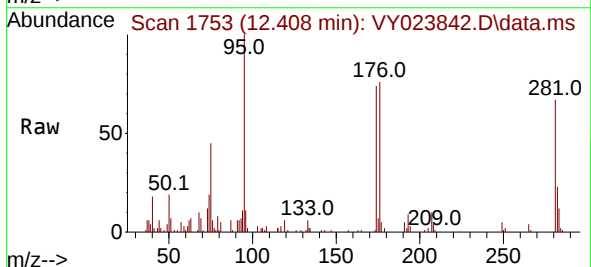
Instrument :
MSVOA_Y
ClientSampleId :
B50-SP4-112525

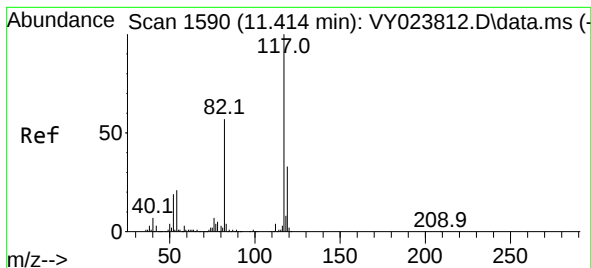
Tgt Ion: 98 Resp: 40247
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 34.072 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023842.D
Acq: 01 Dec 2025 14:46

Tgt Ion: 95 Resp: 9622
Ion Ratio Lower Upper
95 100
174 82.1 0.0 168.6
176 79.3 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023842.D

Acq: 01 Dec 2025 14:46

Instrument :

MSVOA_Y

ClientSampleId :

B50-SP4-112525

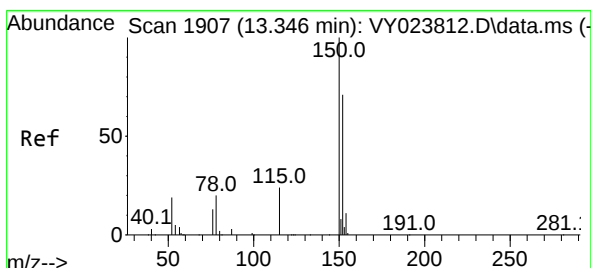
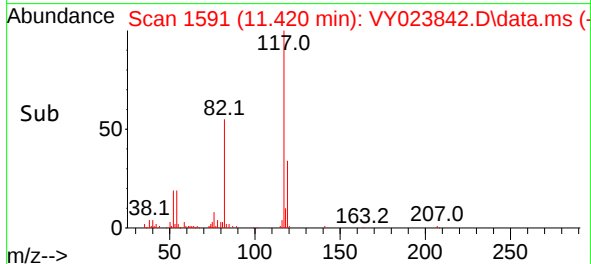
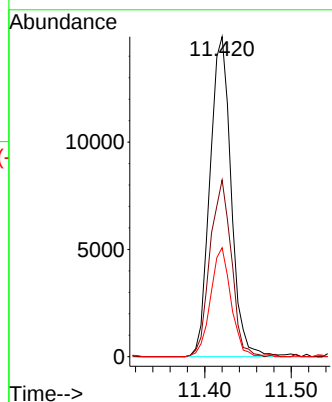
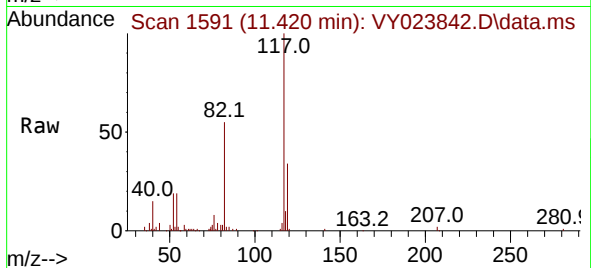
Tgt Ion:117 Resp: 25342

Ion Ratio Lower Upper

117 100

82 55.2 45.4 68.0

119 34.1 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023842.D

Acq: 01 Dec 2025 14:46

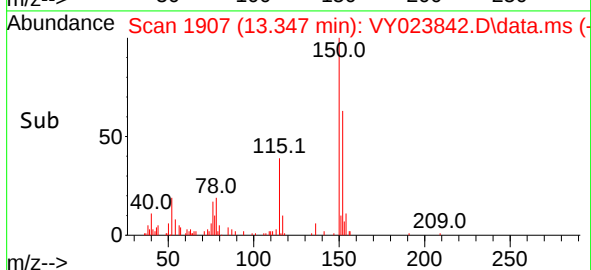
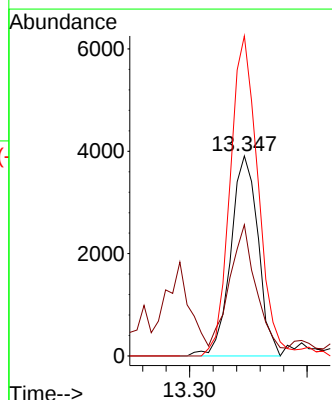
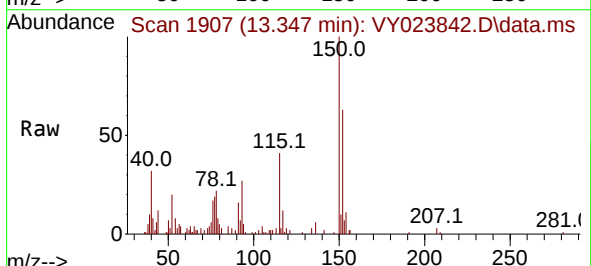
Tgt Ion:152 Resp: 6298

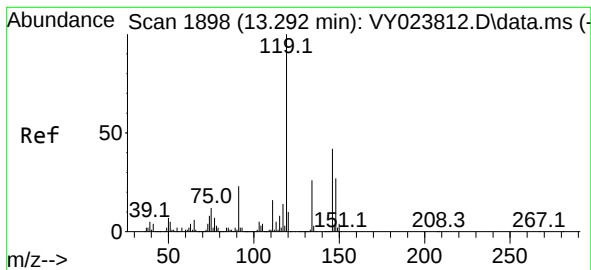
Ion Ratio Lower Upper

152 100

115 63.2 28.7 86.3

150 163.6 0.0 345.6





#86
 p-Isopropyltoluene
 Concen: 67.140 ug/l
 RT: 13.286 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY023842.D
 Acq: 01 Dec 2025 14:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP4-112525

Tgt Ion:119 Resp: 27155
 Ion Ratio Lower Upper
 119 100
 134 29.9 13.1 39.3
 91 0.0 11.5 34.4#

