

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023564.D
 Acq On : 24 Oct 2025 11:21
 Operator : SY/MD
 Sample : Q3413-01
 Misc : 5.21g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-184-GW-980-982

Quant Time: Oct 24 23:49:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	812743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1310630	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1133524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	486654	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	369964	54.436	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.880%
35) Dibromofluoromethane	7.640	113	418712	51.993	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.980%
50) Toluene-d8	10.109	98	1455594	48.535	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.060%
62) 4-Bromofluorobenzene	12.407	95	455763	46.030	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.060%

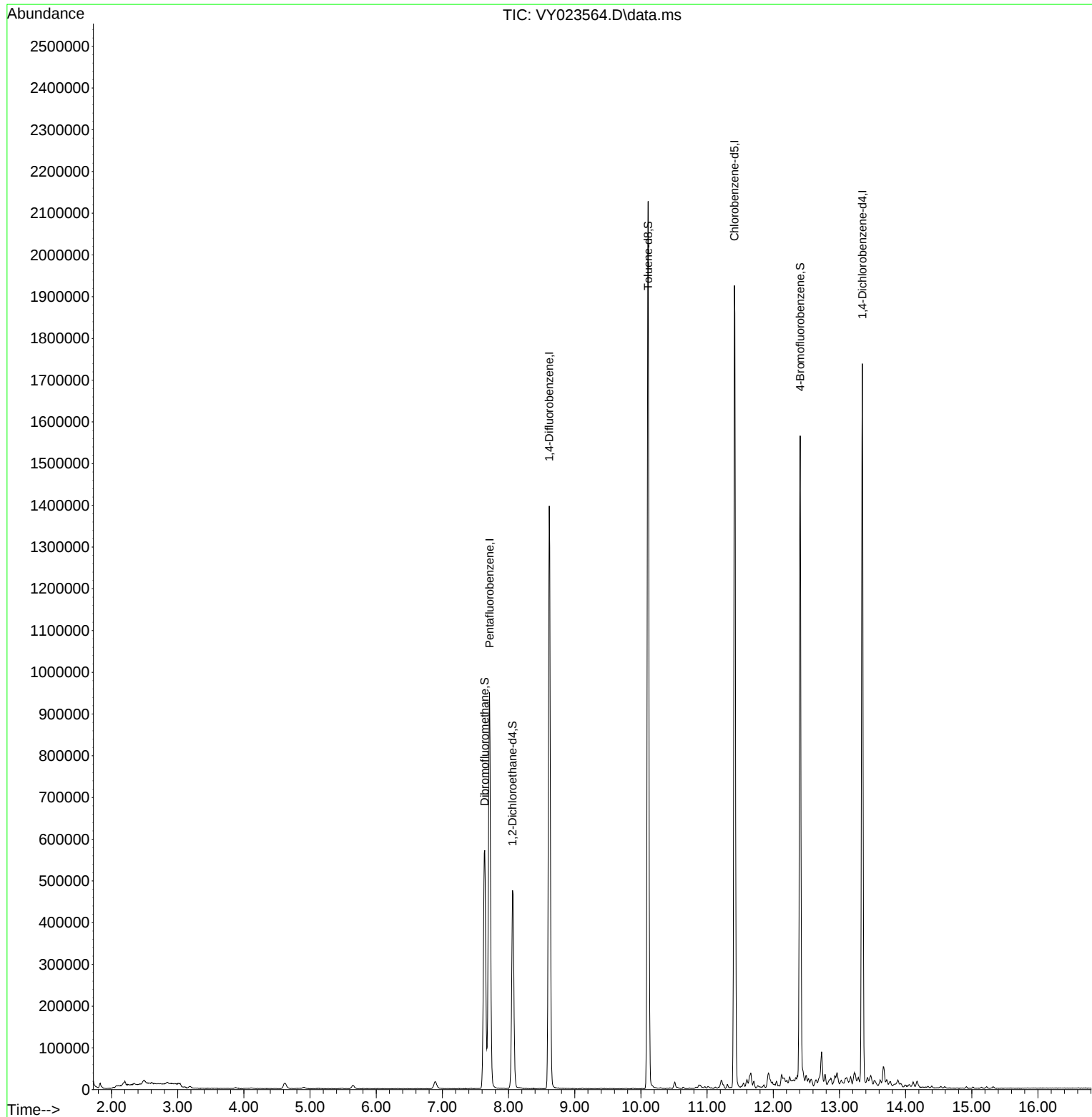
Target Compounds	Qvalue

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

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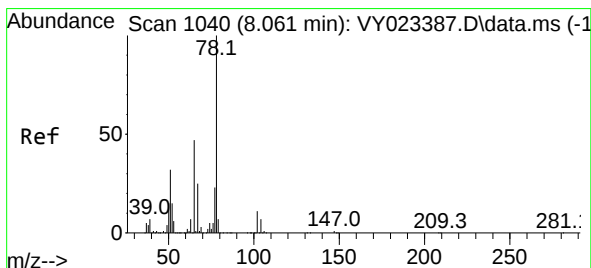
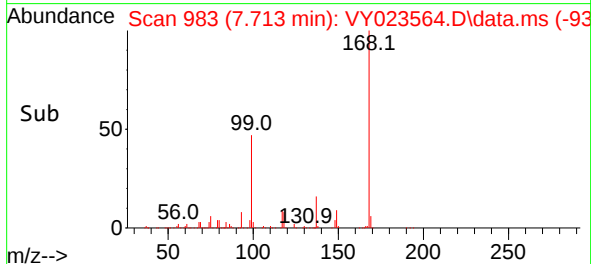
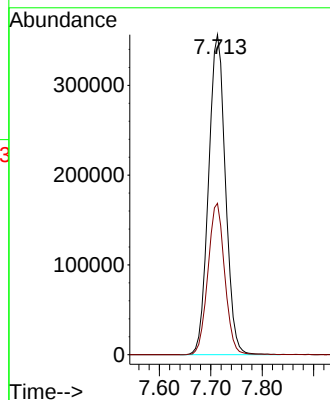
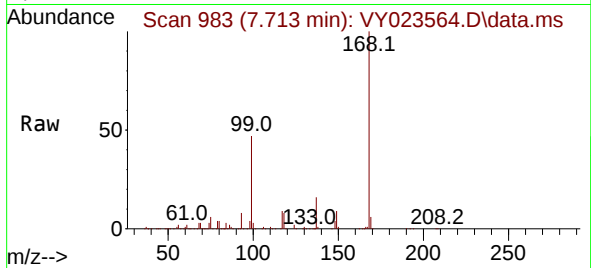




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023564.D
Acq: 24 Oct 2025 11:21

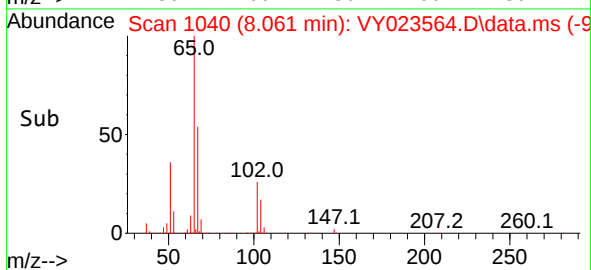
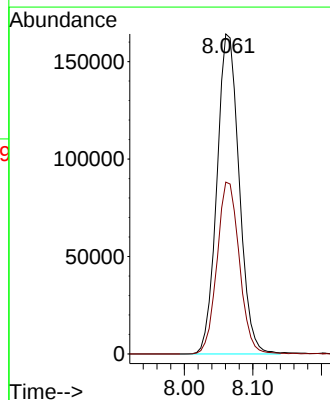
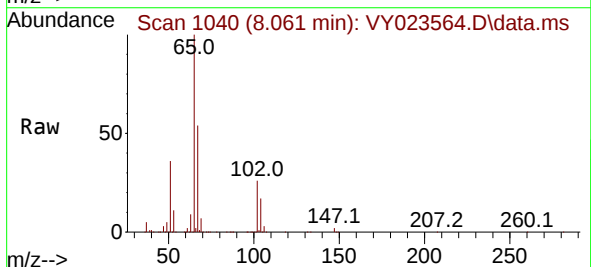
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-184-GW-980-982

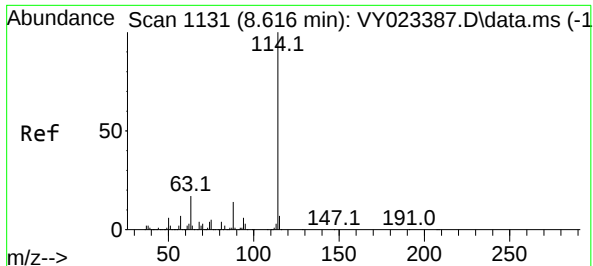
Tgt Ion:168 Resp: 812743
Ion Ratio Lower Upper
168 100
99 47.3 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 54.436 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023564.D
Acq: 24 Oct 2025 11:21

Tgt Ion: 65 Resp: 369964
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023564.D

Acq: 24 Oct 2025 11:21

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-184-GW-980-982

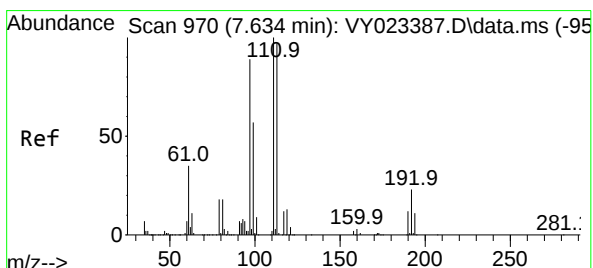
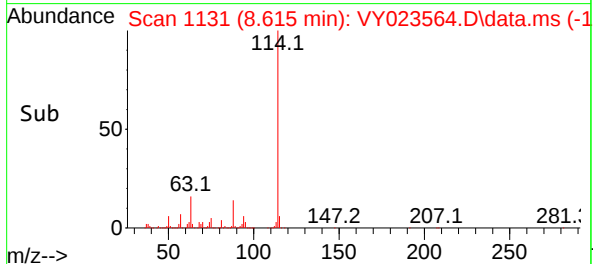
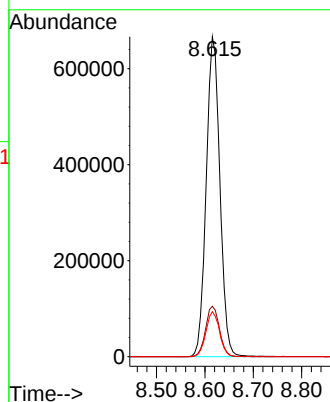
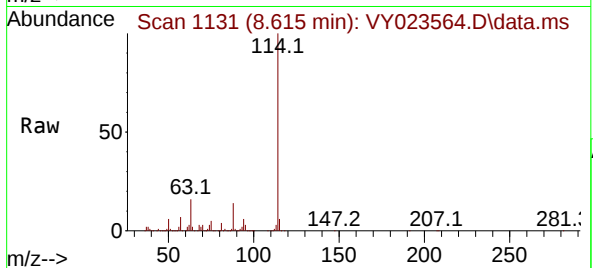
Tgt Ion:114 Resp: 1310630

Ion Ratio Lower Upper

114 100

63 15.7 0.0 34.2

88 14.1 0.0 28.4



#35

Dibromofluoromethane

Concen: 51.993 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023564.D

Acq: 24 Oct 2025 11:21

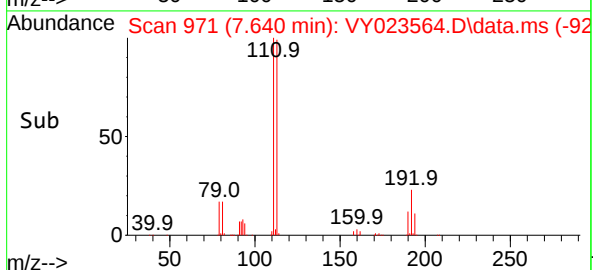
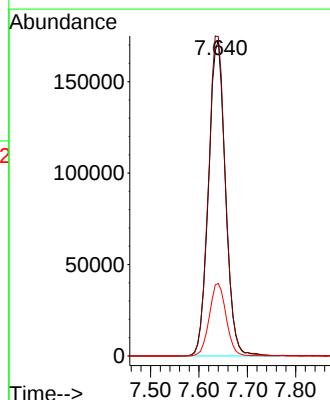
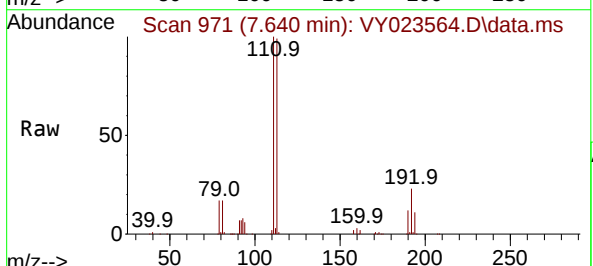
Tgt Ion:113 Resp: 418712

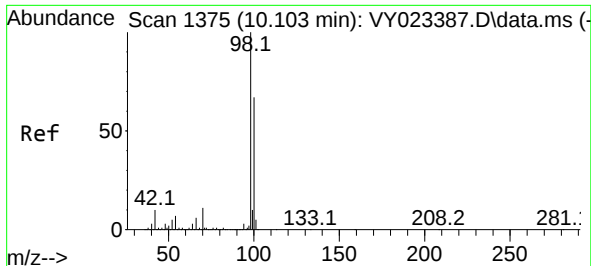
Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

192 22.8 18.0 27.0

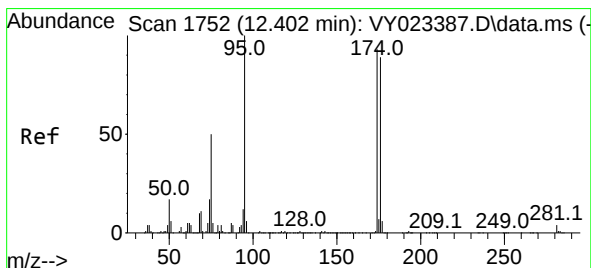
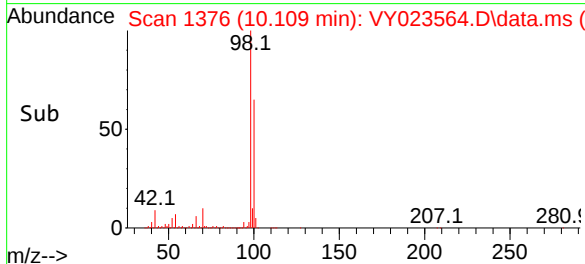
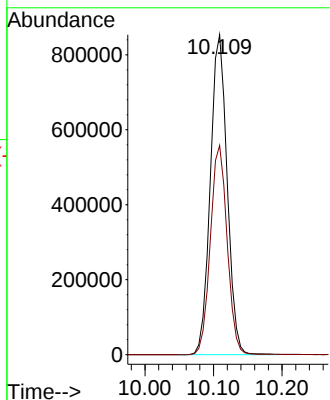
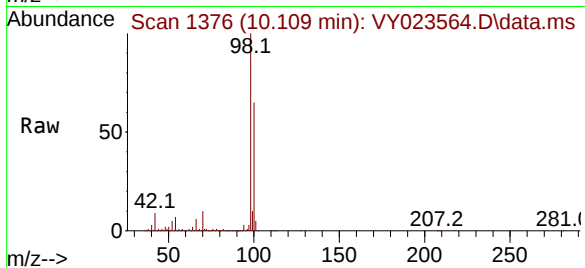




#50
Toluene-d8
Concen: 48.535 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023564.D
Acq: 24 Oct 2025 11:21

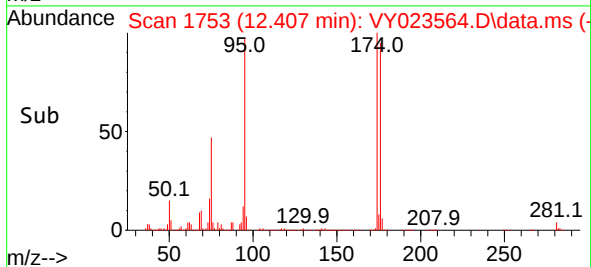
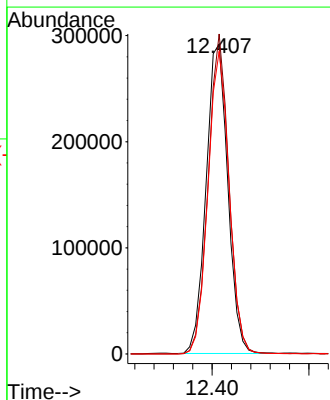
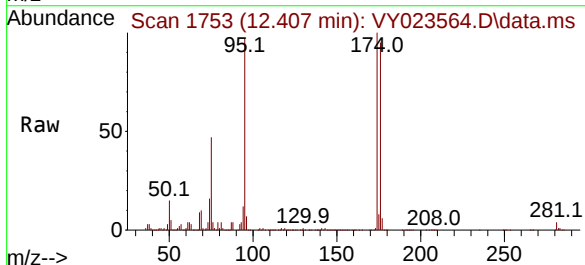
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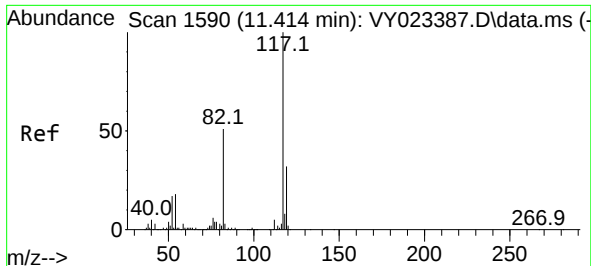
Tgt Ion: 98 Resp: 1455594
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 46.030 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023564.D
Acq: 24 Oct 2025 11:21

Tgt Ion: 95 Resp: 455763
Ion Ratio Lower Upper
95 100
174 98.7 0.0 192.8
176 95.5 0.0 187.6

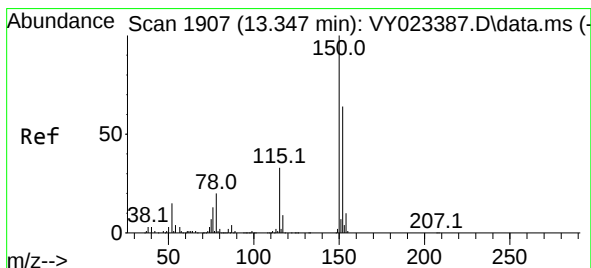
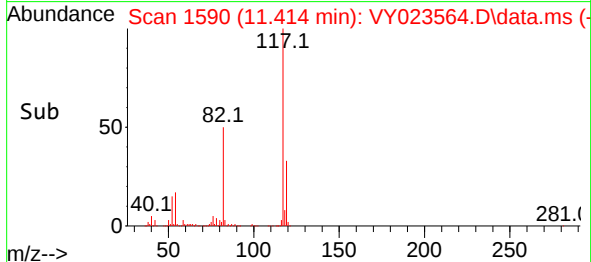
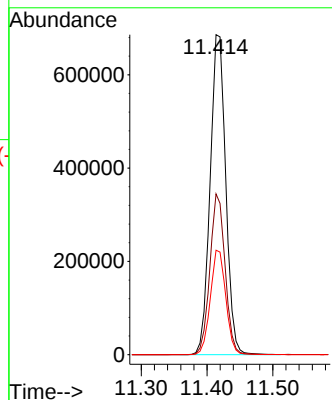
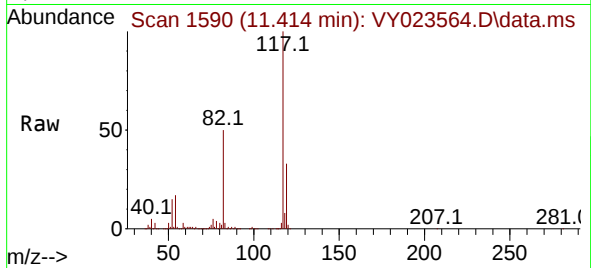




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023564.D
Acq: 24 Oct 2025 11:21

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-184-GW-980-982

Tgt Ion:117 Resp: 1133524
Ion Ratio Lower Upper
117 100
82 50.2 41.0 61.4
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023564.D
Acq: 24 Oct 2025 11:21

Tgt Ion:152 Resp: 486654
Ion Ratio Lower Upper
152 100
115 53.0 27.1 81.2
150 156.0 0.0 347.4

