

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032625.D
 Acq On : 11 Dec 2025 12:27
 Operator : SY/MD
 Sample : Q3814-07
 Misc : 4.03g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-8

Quant Time: Dec 12 00:42:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:56:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	489838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	950686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	835122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	383290	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	403055	52.172	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	104.340%
35) Dibromofluoromethane	7.898	113	307296	45.659	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	91.320%
50) Toluene-d8	10.324	98	1143742	46.878	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	93.760%
62) 4-Bromofluorobenzene	12.617	95	406578	45.389	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	90.780%

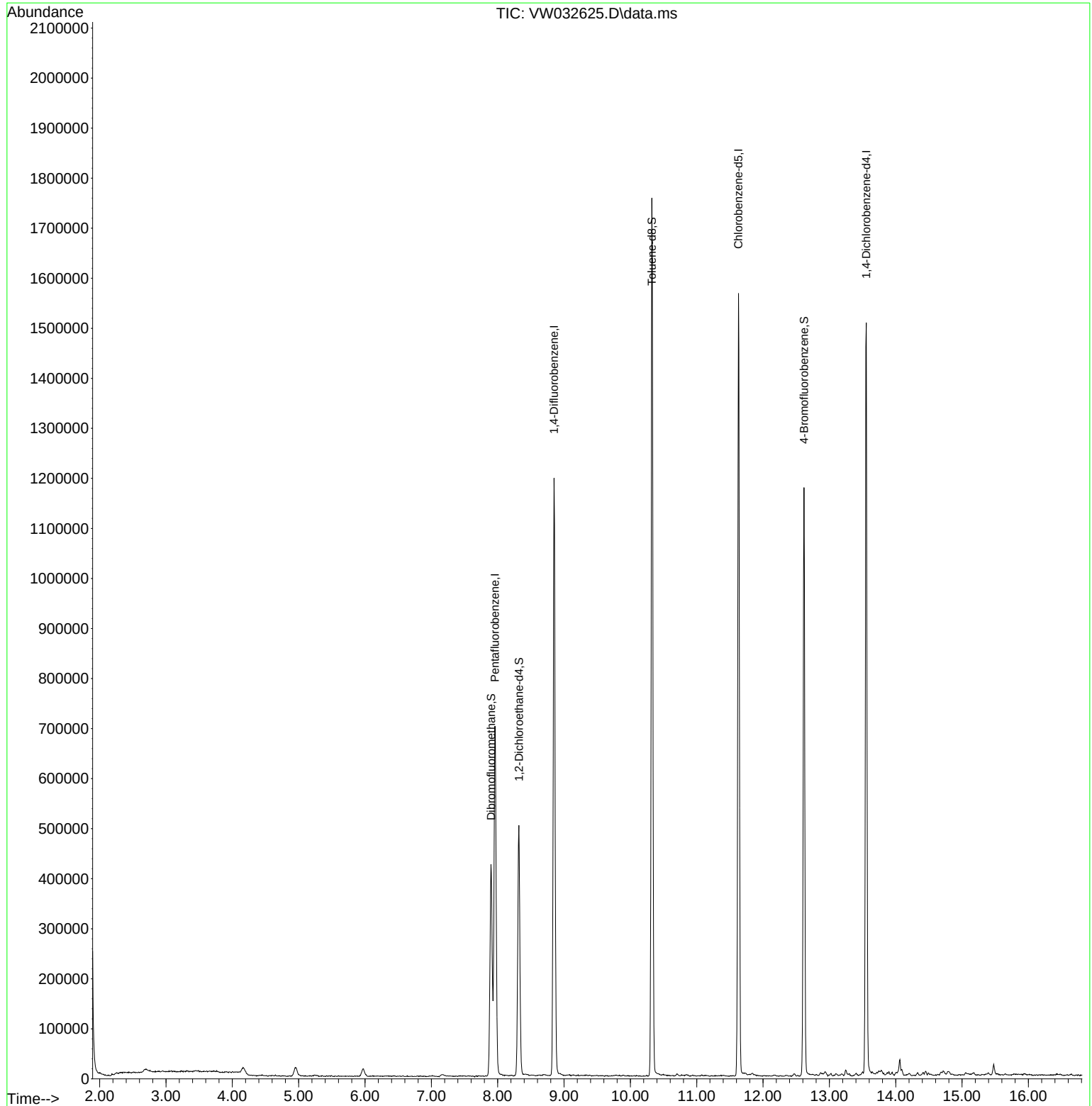
Target Compounds	Qvalue

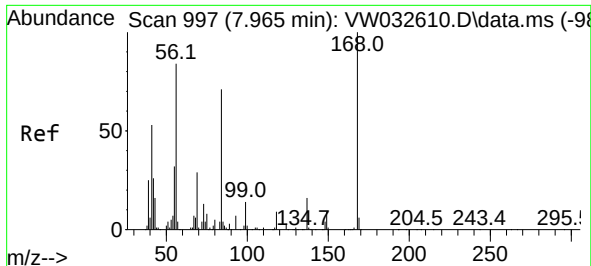
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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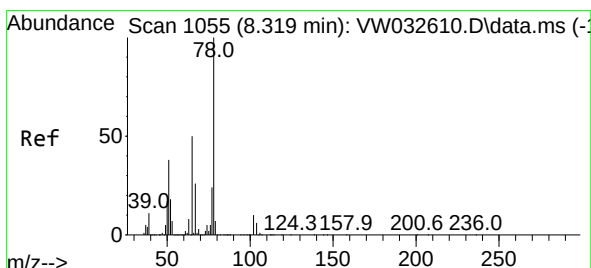
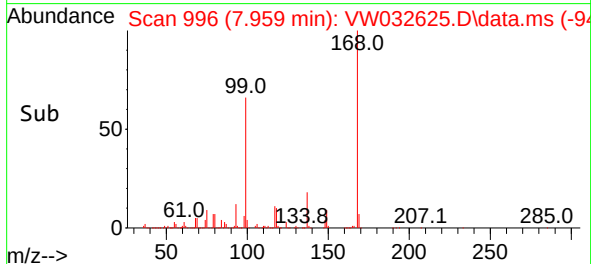
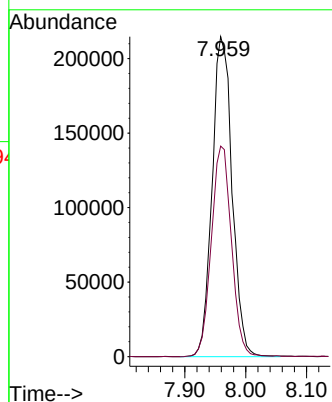
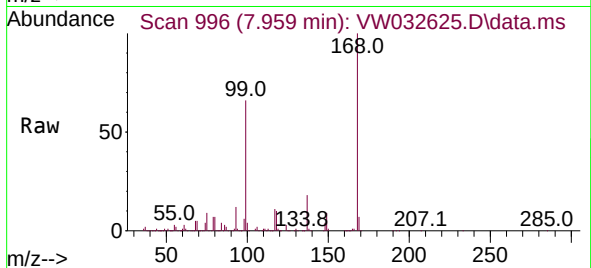




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

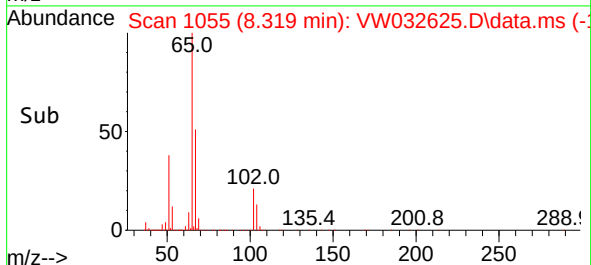
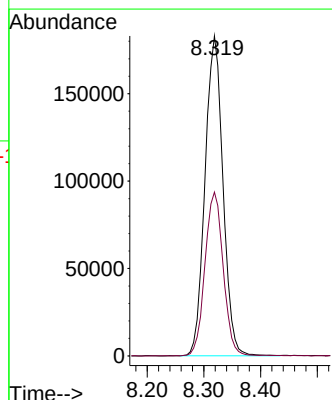
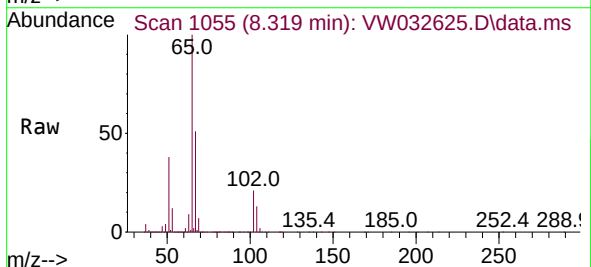
Instrument :
MSVOA_W
ClientSampleId :
TP-8

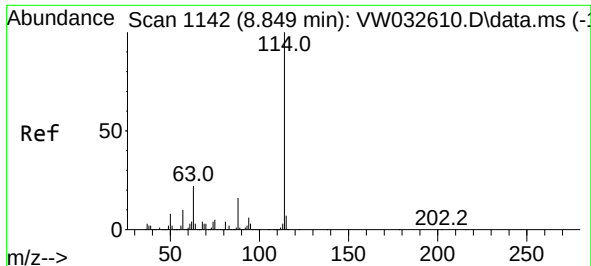
Tgt Ion:168 Resp: 489838
Ion Ratio Lower Upper
168 100
99 65.8 47.8 71.8



#33
1,2-Dichloroethane-d4
Concen: 52.172 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

Tgt Ion: 65 Resp: 403055
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VW032625.D

Acq: 11 Dec 2025 12:27

Instrument :

MSVOA_W

ClientSampleId :

TP-8

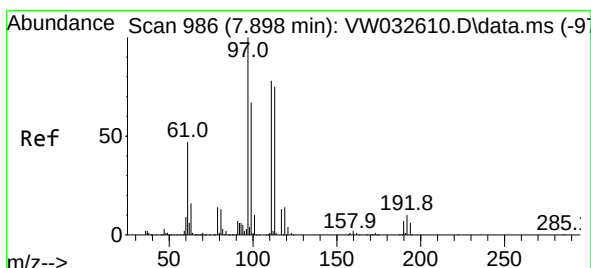
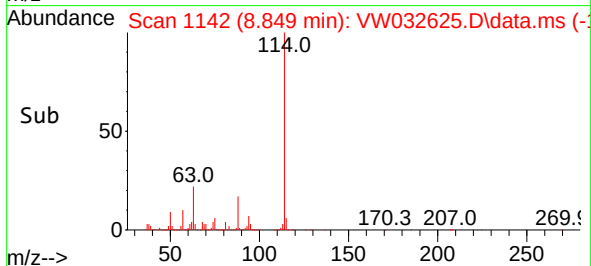
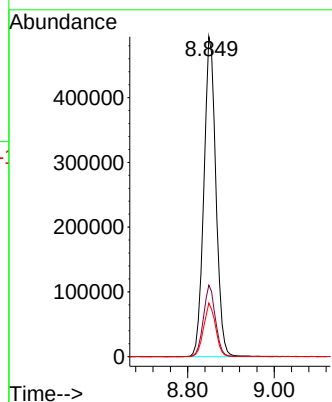
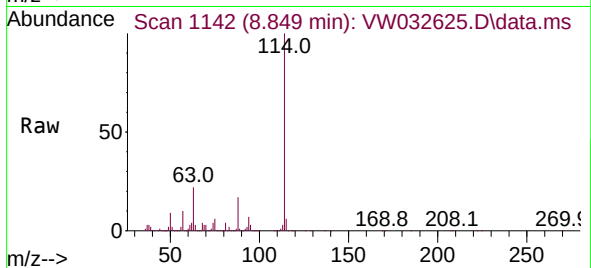
Tgt Ion:114 Resp: 950686

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.6

88 16.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.659 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.000 min

Lab File: VW032625.D

Acq: 11 Dec 2025 12:27

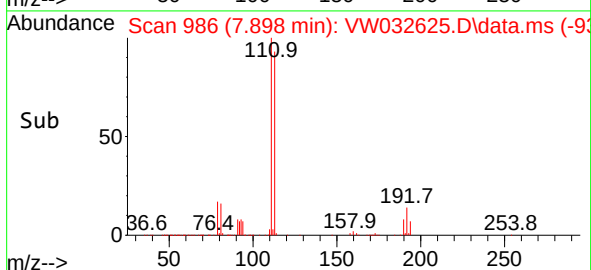
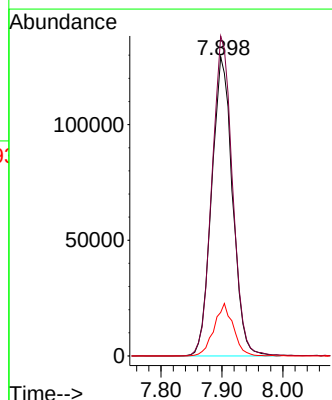
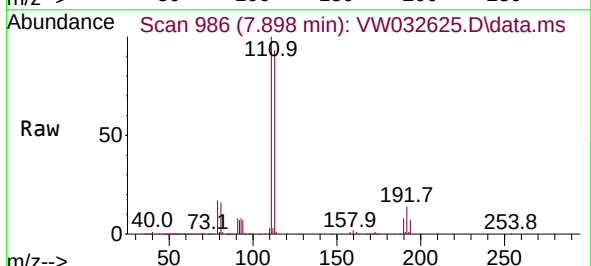
Tgt Ion:113 Resp: 307296

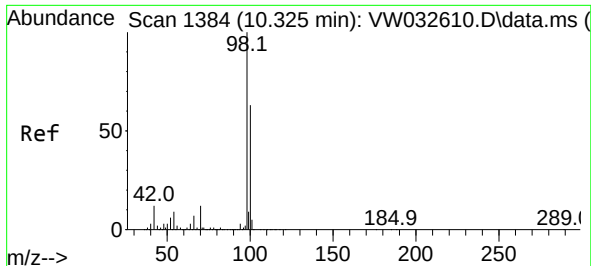
Ion Ratio Lower Upper

113 100

111 105.7 85.2 127.8

192 16.2 13.3 19.9

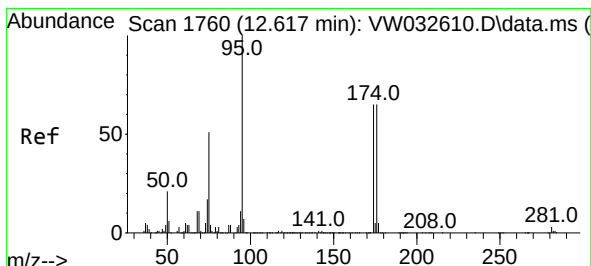
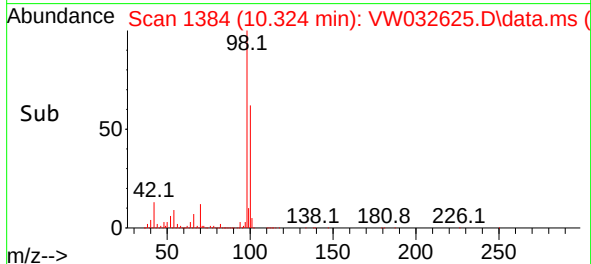
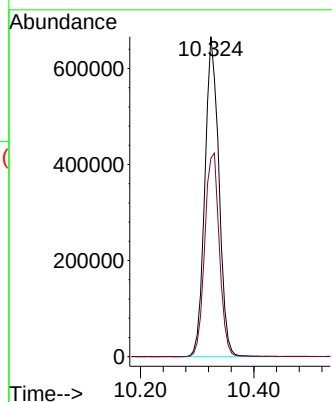
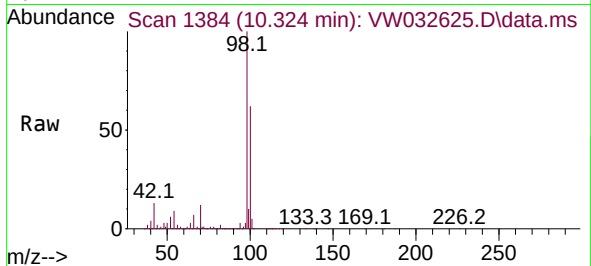




#50
Toluene-d8
Concen: 46.878 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

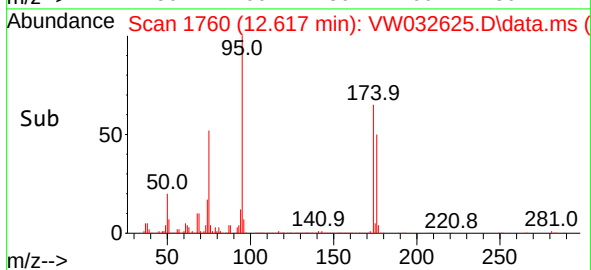
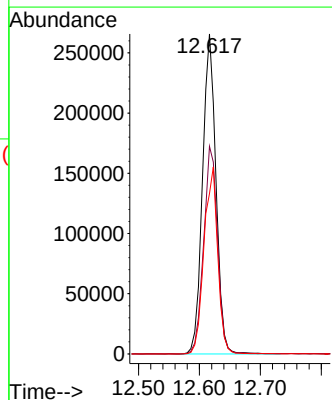
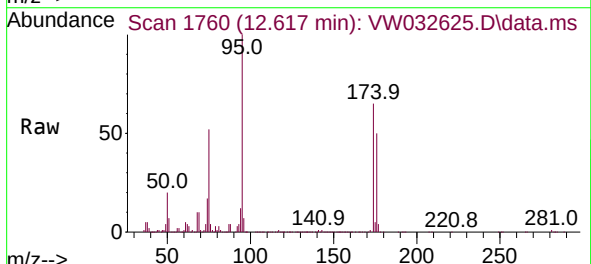
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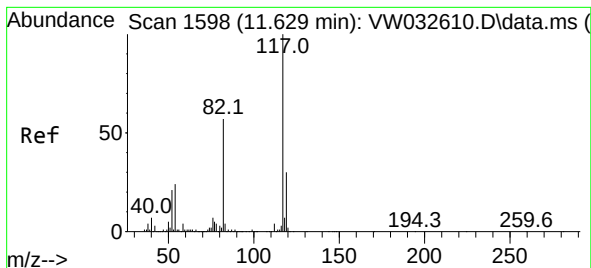
Tgt Ion: 98 Resp: 1143742
Ion Ratio Lower Upper
98 100
100 66.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 45.389 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

Tgt Ion: 95 Resp: 406578
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.0
176 59.5 0.0 123.4

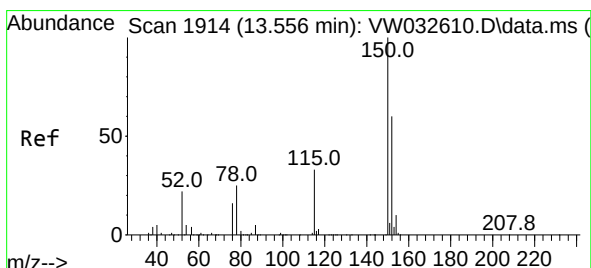
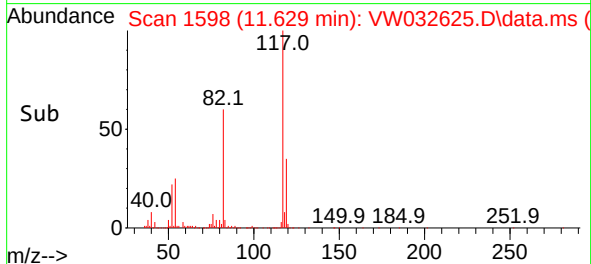
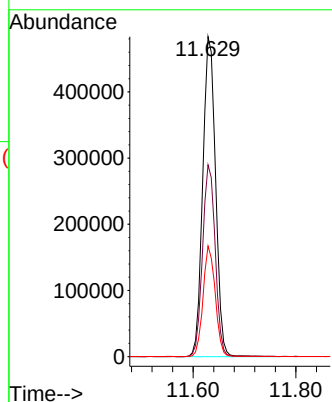
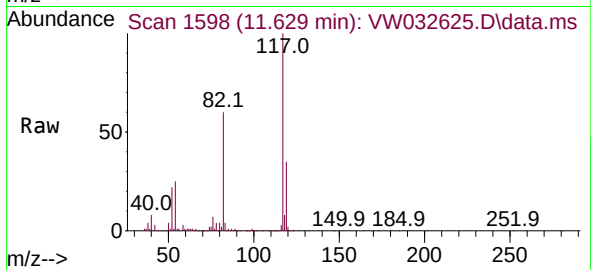




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

Instrument :
MSVOA_W
ClientSampleId :
TP-8

Tgt Ion:117 Resp: 835122
Ion Ratio Lower Upper
117 100
82 59.9 45.5 68.3
119 34.5 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032625.D
Acq: 11 Dec 2025 12:27

Tgt Ion:152 Resp: 383290
Ion Ratio Lower Upper
152 100
115 65.0 33.8 101.3
150 151.9 0.0 369.4

