

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032637.D
 Acq On : 11 Dec 2025 16:48
 Operator : SY/MD
 Sample : Q3814-01
 Misc : 3.52g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5

Quant Time: Dec 12 00:46:23 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	7.965	168	481657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	947798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	821758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	363722	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	413581	54.295	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	108.580%
35) Dibromofluoromethane	7.904	113	340532	50.384	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	100.760%
50) Toluene-d8	10.325	98	1257048	51.679	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	103.360%
62) 4-Bromofluorobenzene	12.617	95	444136	49.733	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	99.460%

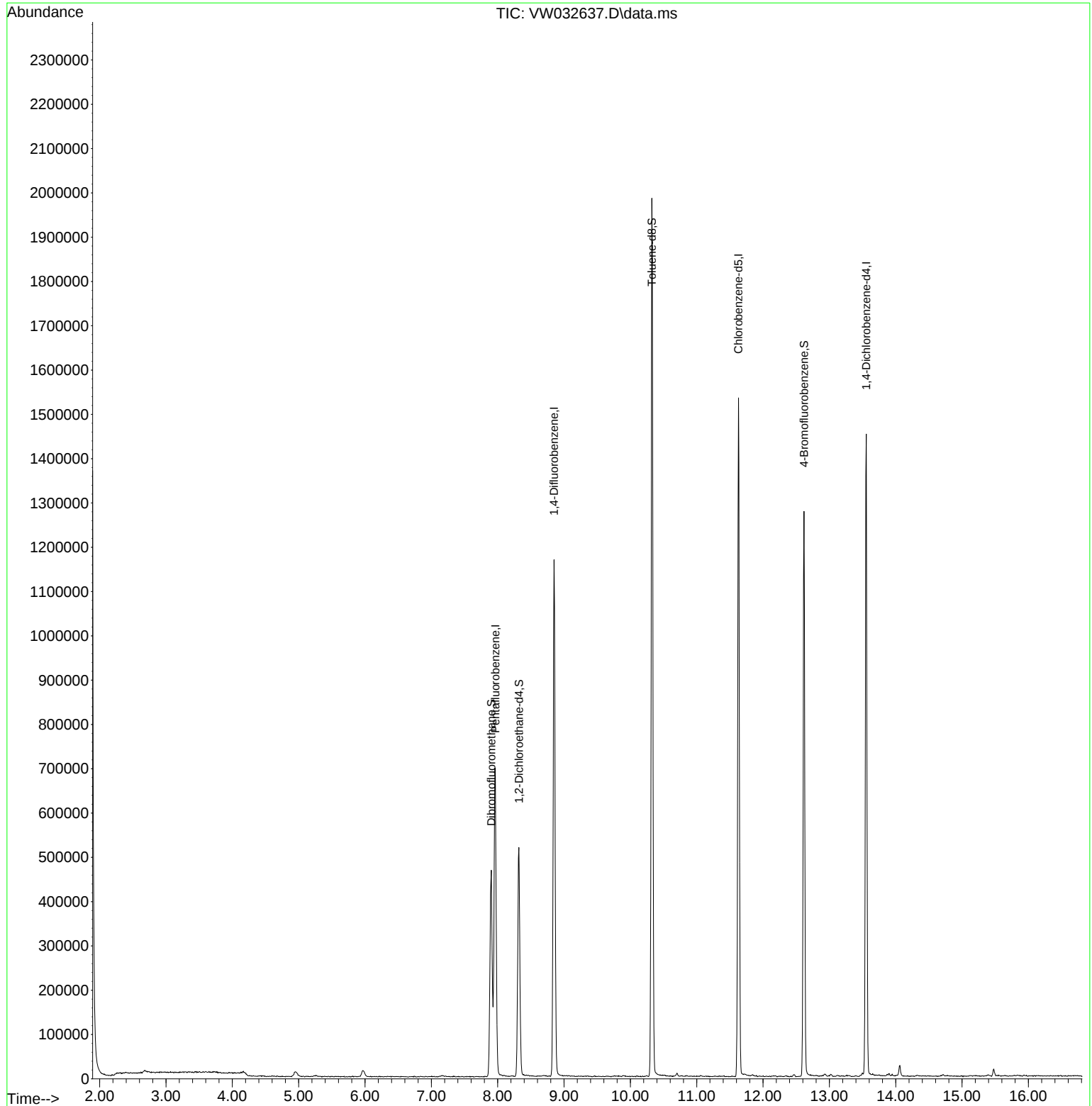
Target Compounds	Qvalue

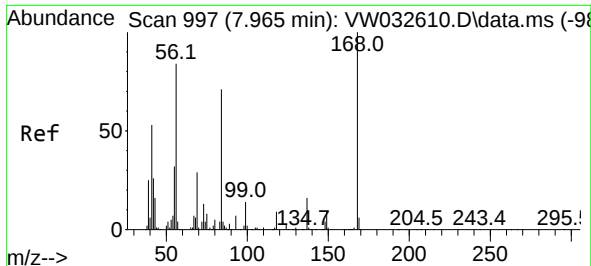
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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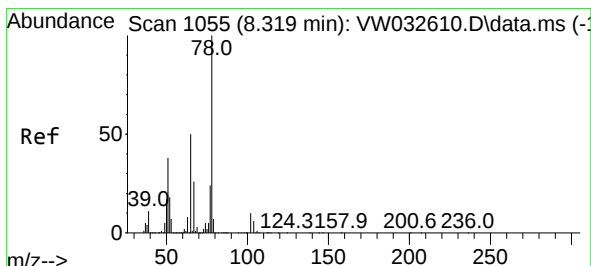
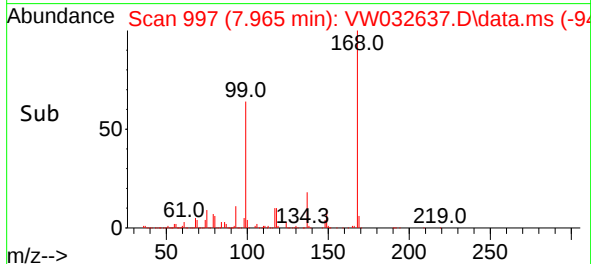
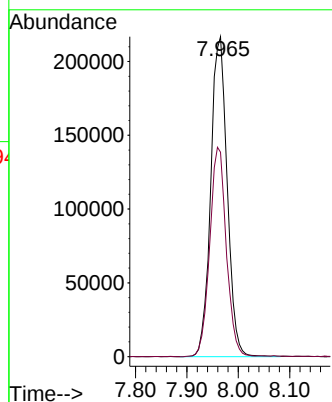
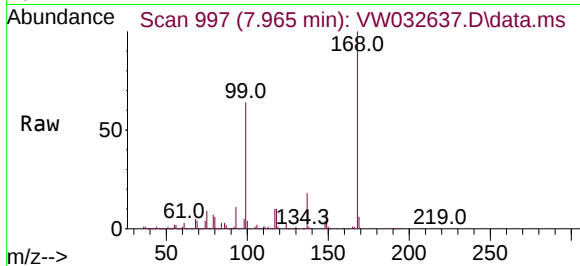




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032637.D
Acq: 11 Dec 2025 16:48

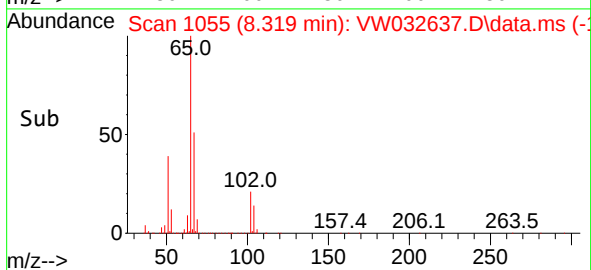
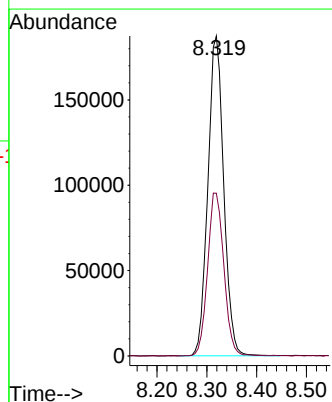
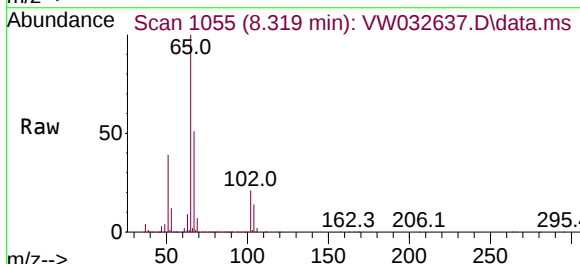
Instrument :
MSVOA_W
ClientSampleId :
TP-5

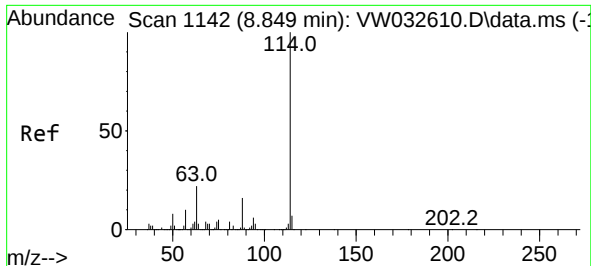
Tgt Ion:168 Resp: 481657
Ion Ratio Lower Upper
168 100
99 63.9 47.8 71.8



#33
1,2-Dichloroethane-d4
Concen: 54.295 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032637.D
Acq: 11 Dec 2025 16:48

Tgt Ion: 65 Resp: 413581
Ion Ratio Lower Upper
65 100
67 52.3 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: VW032637.D

Acq: 11 Dec 2025 16:48

Instrument :

MSVOA_W

ClientSampleId :

TP-5

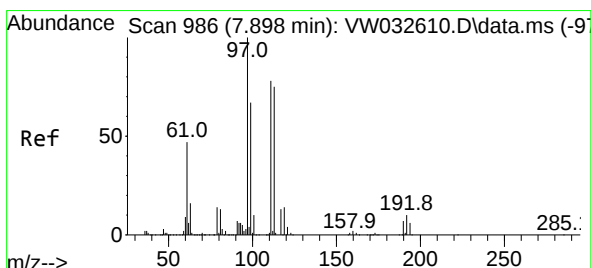
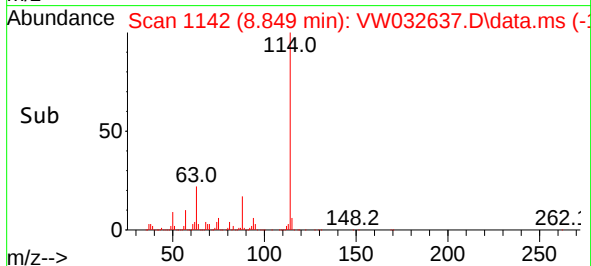
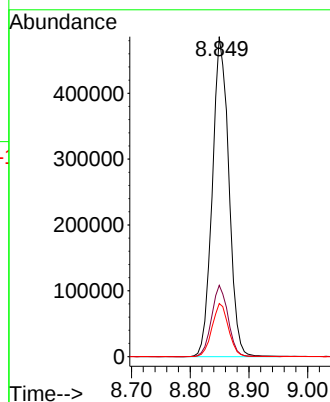
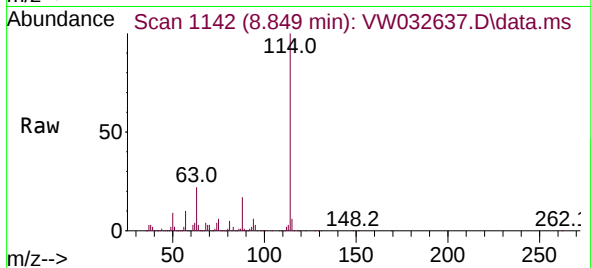
Tgt Ion:114 Resp: 947798

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.6

88 16.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.384 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032637.D

Acq: 11 Dec 2025 16:48

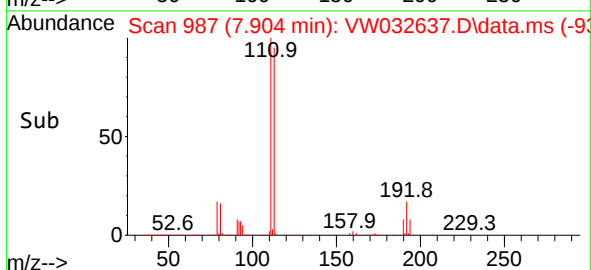
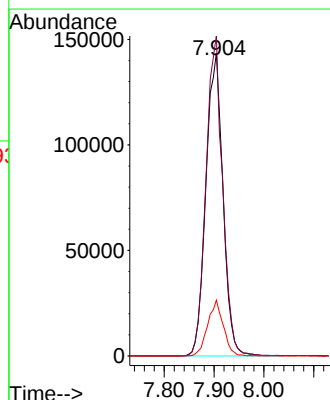
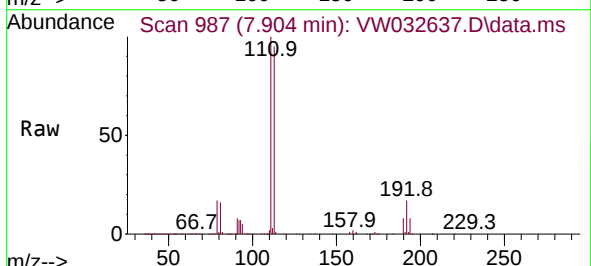
Tgt Ion:113 Resp: 340532

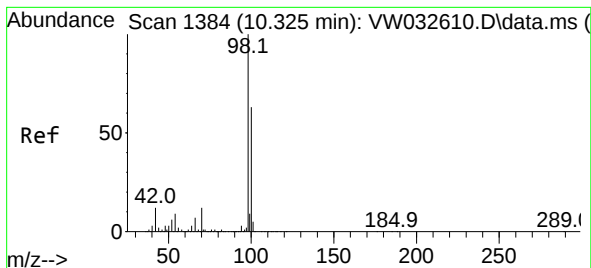
Ion Ratio Lower Upper

113 100

111 103.1 85.2 127.8

192 16.9 13.3 19.9





#50

Toluene-d8

Concen: 51.679 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032637.D

Acq: 11 Dec 2025 16:48

Instrument :

MSVOA_W

ClientSampleId :

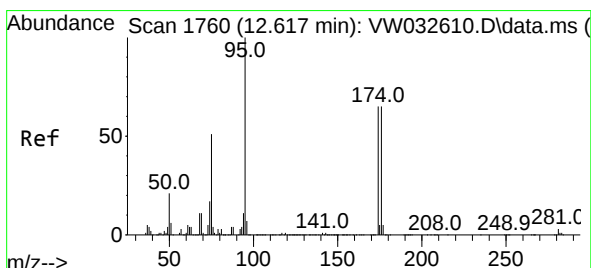
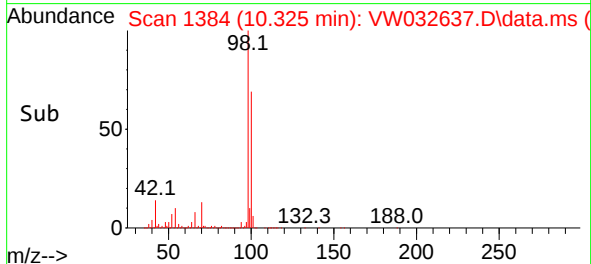
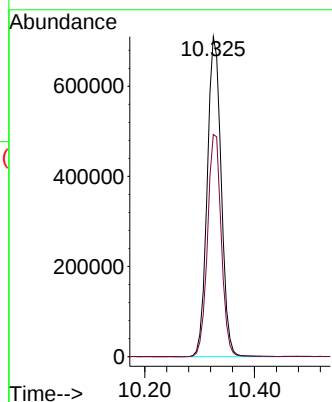
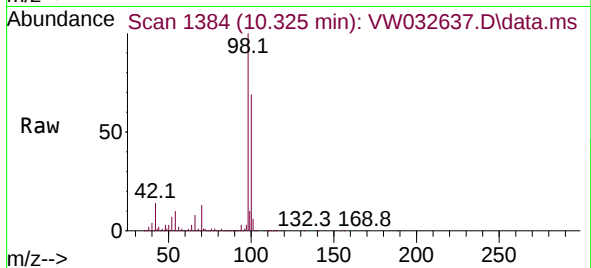
TP-5

Tgt Ion: 98 Resp: 1257048

Ion Ratio Lower Upper

98 100

100 68.5 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 49.733 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW032637.D

Acq: 11 Dec 2025 16:48

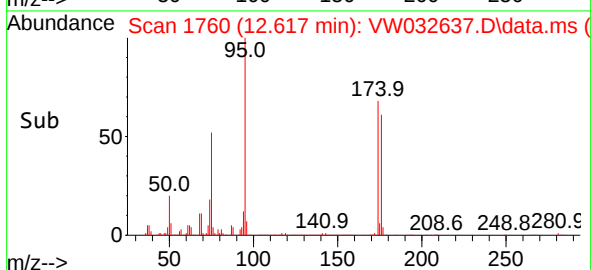
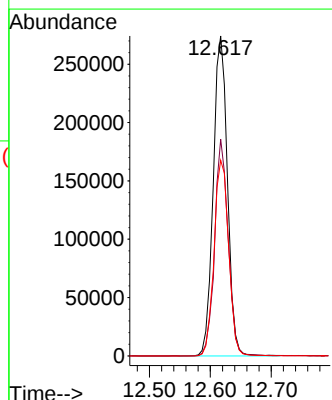
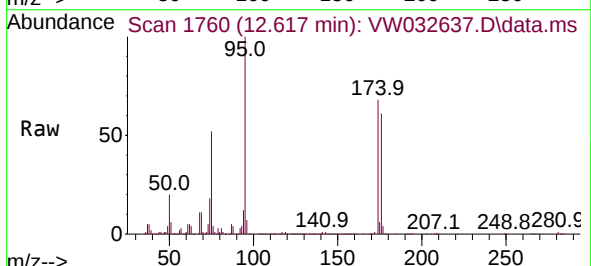
Tgt Ion: 95 Resp: 444136

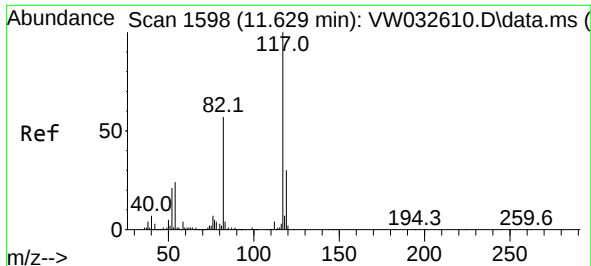
Ion Ratio Lower Upper

95 100

174 64.6 0.0 135.0

176 63.0 0.0 123.4

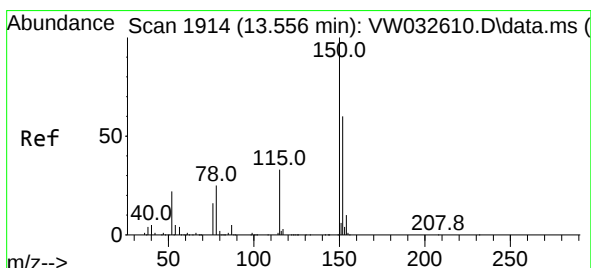
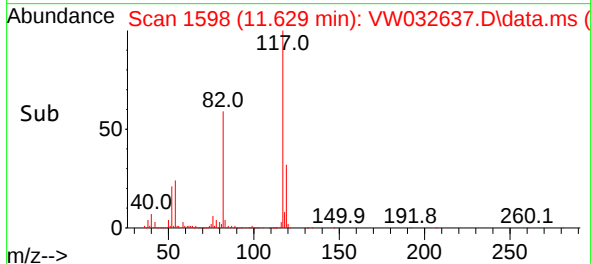
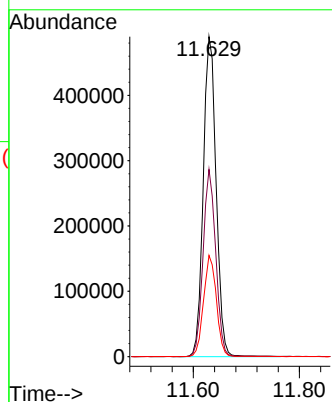
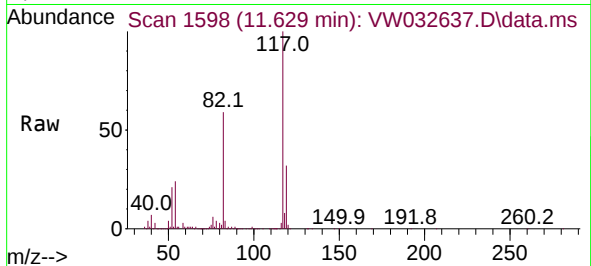




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032637.D
Acq: 11 Dec 2025 16:48

Instrument :
MSVOA_W
ClientSampleId :
TP-5

Tgt Ion:117 Resp: 821758
Ion Ratio Lower Upper
117 100
82 58.5 45.5 68.3
119 31.6 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032637.D
Acq: 11 Dec 2025 16:48

Tgt Ion:152 Resp: 363722
Ion Ratio Lower Upper
152 100
115 64.3 33.8 101.3
150 155.3 0.0 369.4

