

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032505.D
 Acq On : 19 Nov 2025 16:10
 Operator : SY/MD
 Sample : Q3619-09
 Misc : 6.74g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-B2(12-16)

Quant Time: Nov 20 01:20:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	203379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	479940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	511989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	278002	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161909	61.749	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	123.500%
35) Dibromofluoromethane	7.904	113	148307	51.612	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	103.220%
50) Toluene-d8	10.325	98	497404	45.121	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.240%
62) 4-Bromofluorobenzene	12.617	95	244583	58.733	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	117.460%

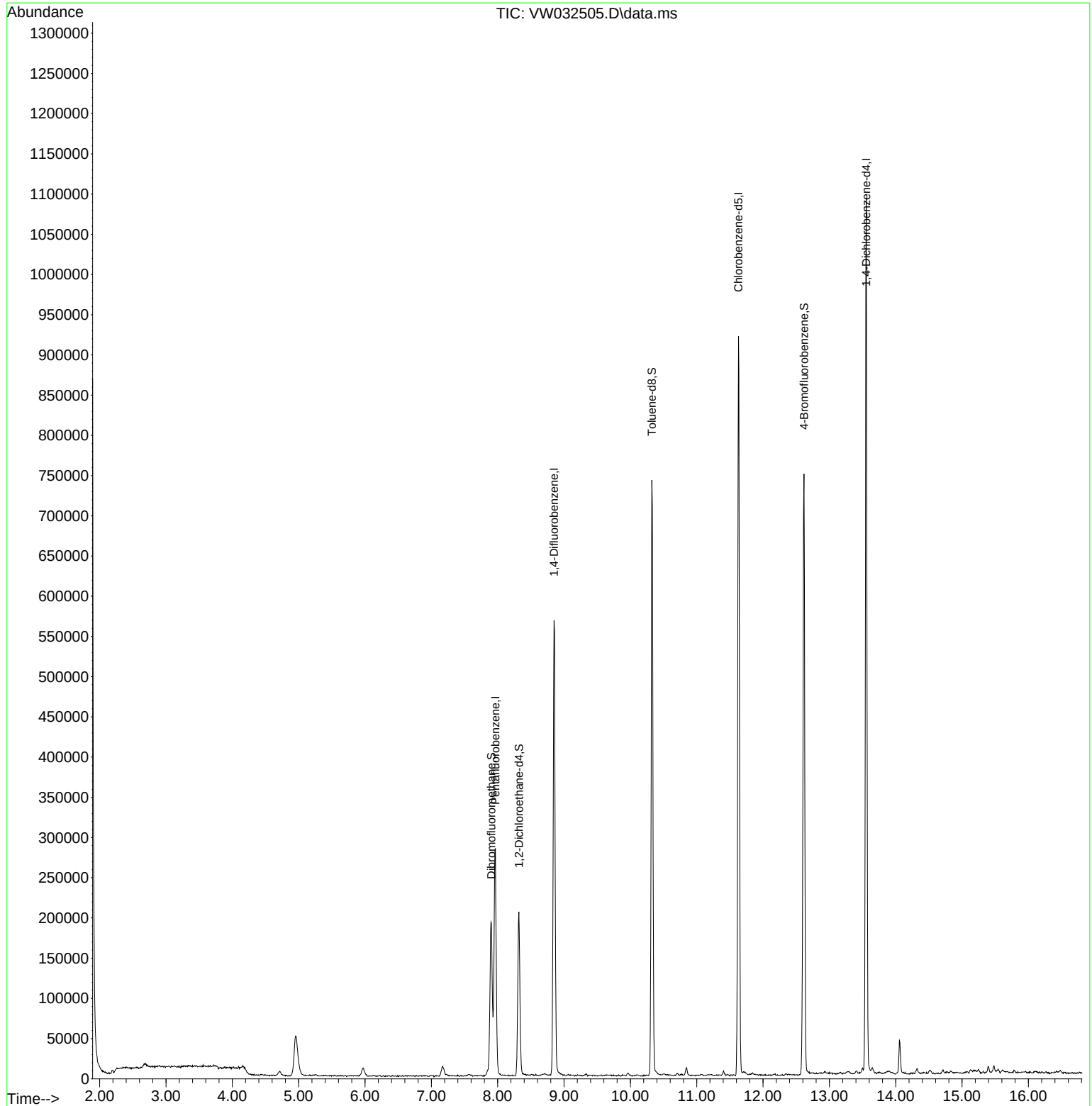
Target Compounds	Qvalue

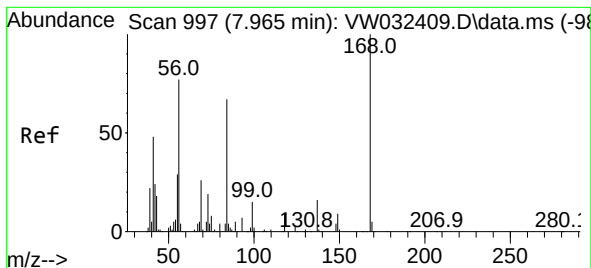
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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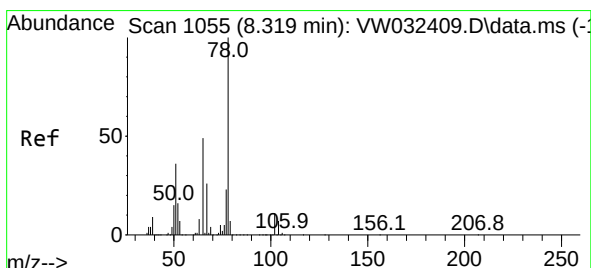
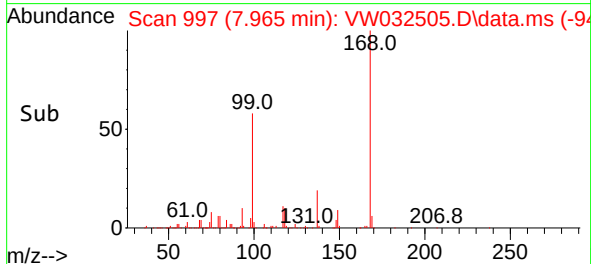
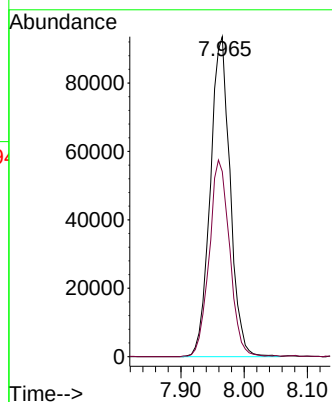
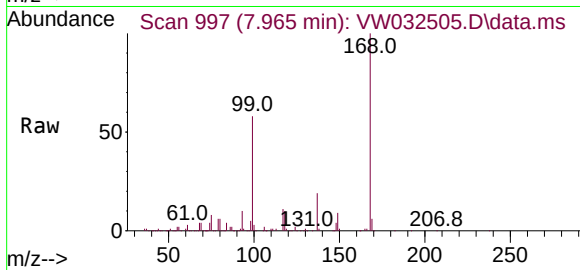




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

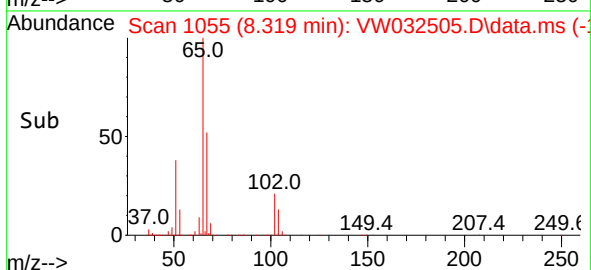
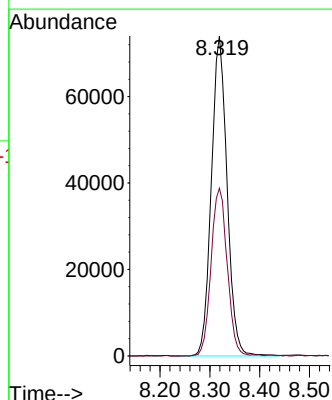
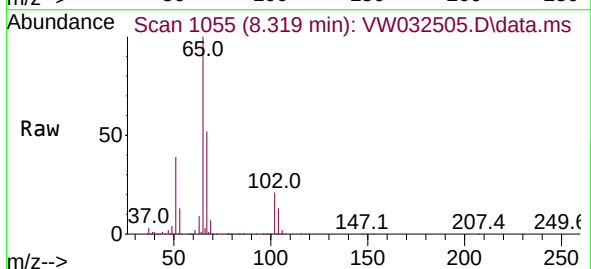
Instrument :
MSVOA_W
ClientSampleId :
GP-B2(12-16)

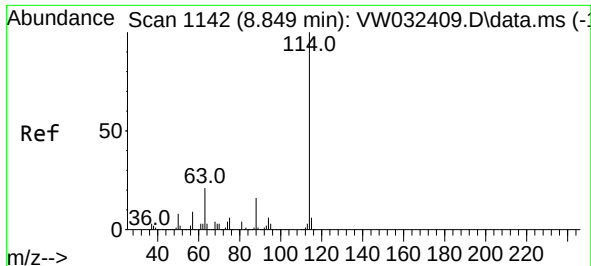
Tgt Ion:168 Resp: 203379
Ion Ratio Lower Upper
168 100
99 57.8 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 61.749 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

Tgt Ion: 65 Resp: 161909
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032505.D

Acq: 19 Nov 2025 16:10

Instrument :

MSVOA_W

ClientSampleId :

GP-B2(12-16)

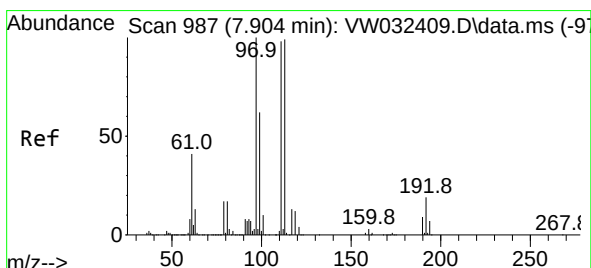
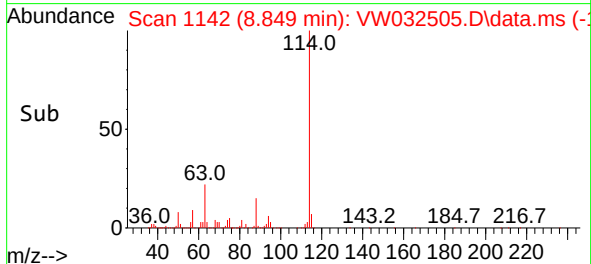
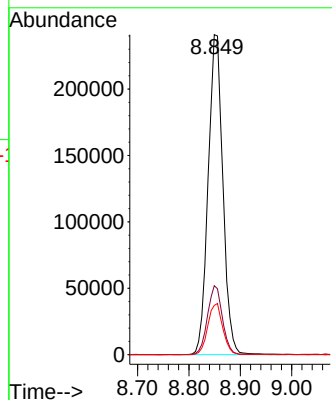
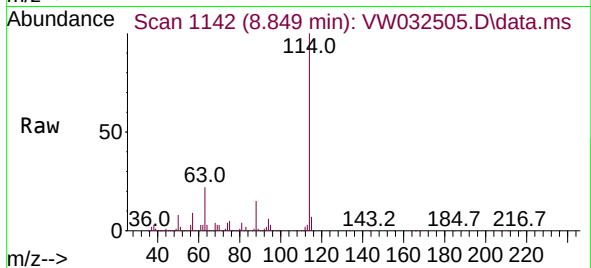
Tgt Ion:114 Resp: 479940

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.8

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.612 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032505.D

Acq: 19 Nov 2025 16:10

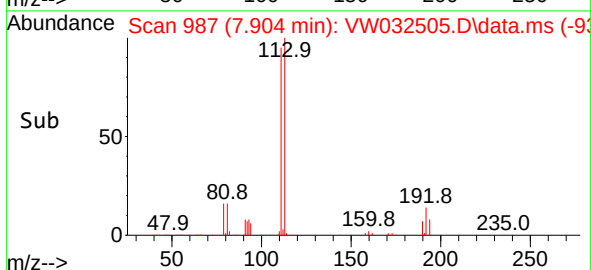
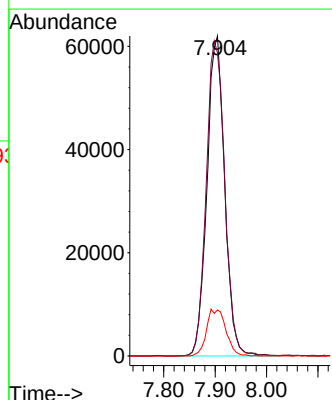
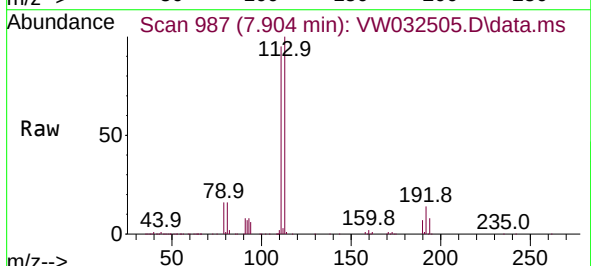
Tgt Ion:113 Resp: 148307

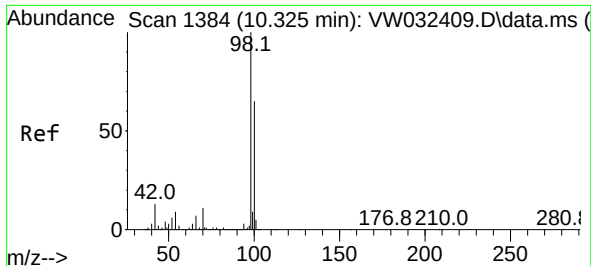
Ion Ratio Lower Upper

113 100

111 103.0 83.1 124.7

192 15.9 13.4 20.2

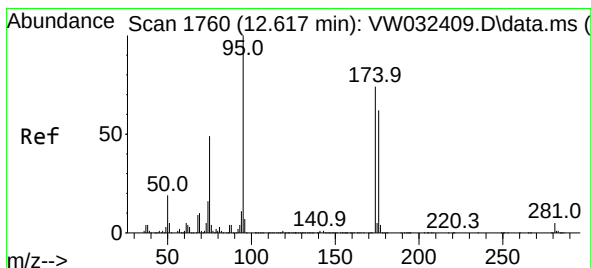
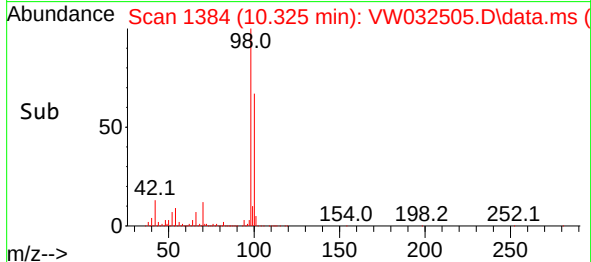
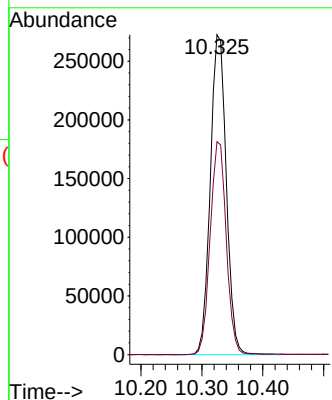
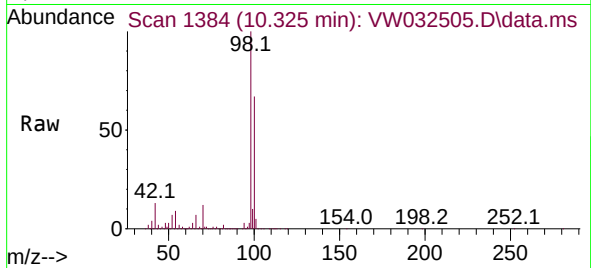




#50
Toluene-d8
Concen: 45.121 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

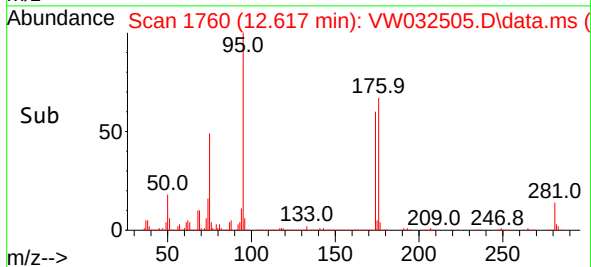
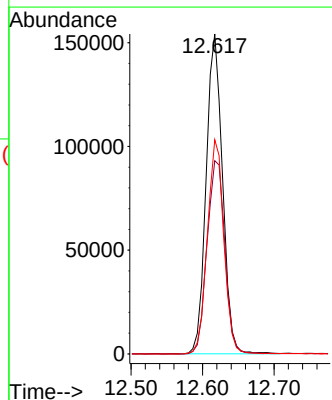
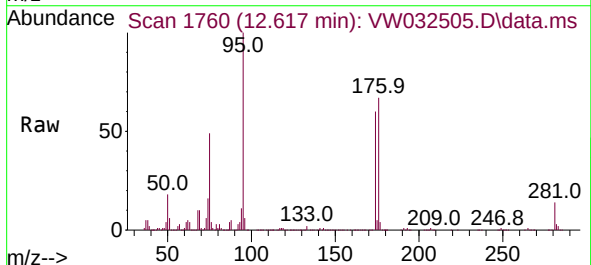
Instrument :
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GP-B2(12-16)

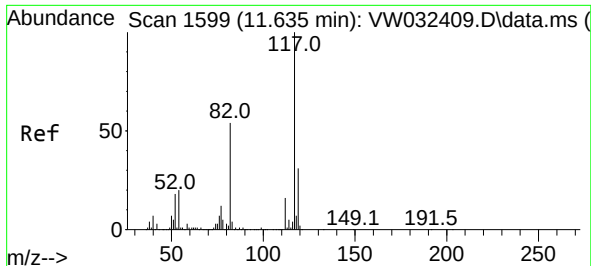
Tgt Ion: 98 Resp: 497404
Ion Ratio Lower Upper
98 100
100 66.9 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 58.733 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

Tgt Ion: 95 Resp: 244583
Ion Ratio Lower Upper
95 100
174 65.9 0.0 135.4
176 67.6 0.0 131.8

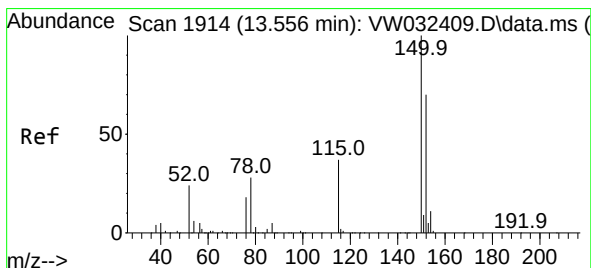
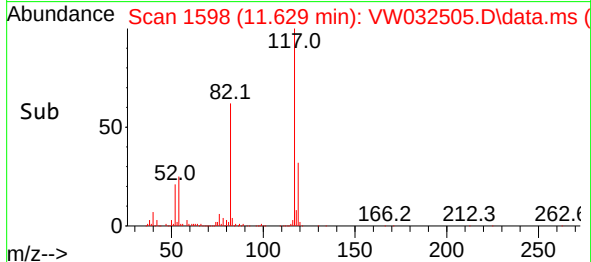
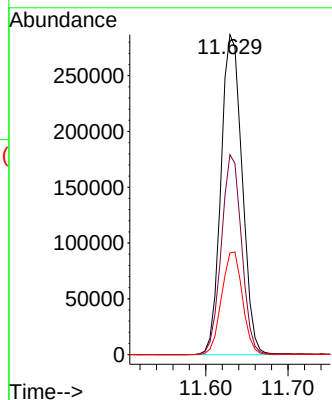
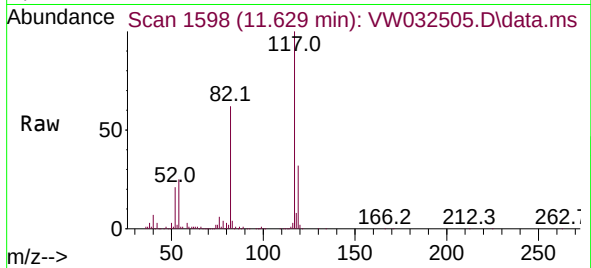




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

Instrument :
MSVOA_W
ClientSampleId :
GP-B2(12-16)

Tgt Ion:117 Resp: 511989
Ion Ratio Lower Upper
117 100
82 62.5 43.0 64.4
119 31.8 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032505.D
Acq: 19 Nov 2025 16:10

Tgt Ion:152 Resp: 278002
Ion Ratio Lower Upper
152 100
115 63.0 32.8 98.3
150 151.9 0.0 356.6

