

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032506.D
 Acq On : 19 Nov 2025 16:32
 Operator : SY/MD
 Sample : Q3619-14
 Misc : 6.56g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-B3(13.2)

Quant Time: Nov 20 01:20:55 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	7.959	168	193618	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	458673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	498464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	274081	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	157871	63.245	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	126.480%
35) Dibromofluoromethane	7.904	113	141591	51.559	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	103.120%
50) Toluene-d8	10.325	98	476912	45.268	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.540%
62) 4-Bromofluorobenzene	12.617	95	235556	59.188	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	118.380%

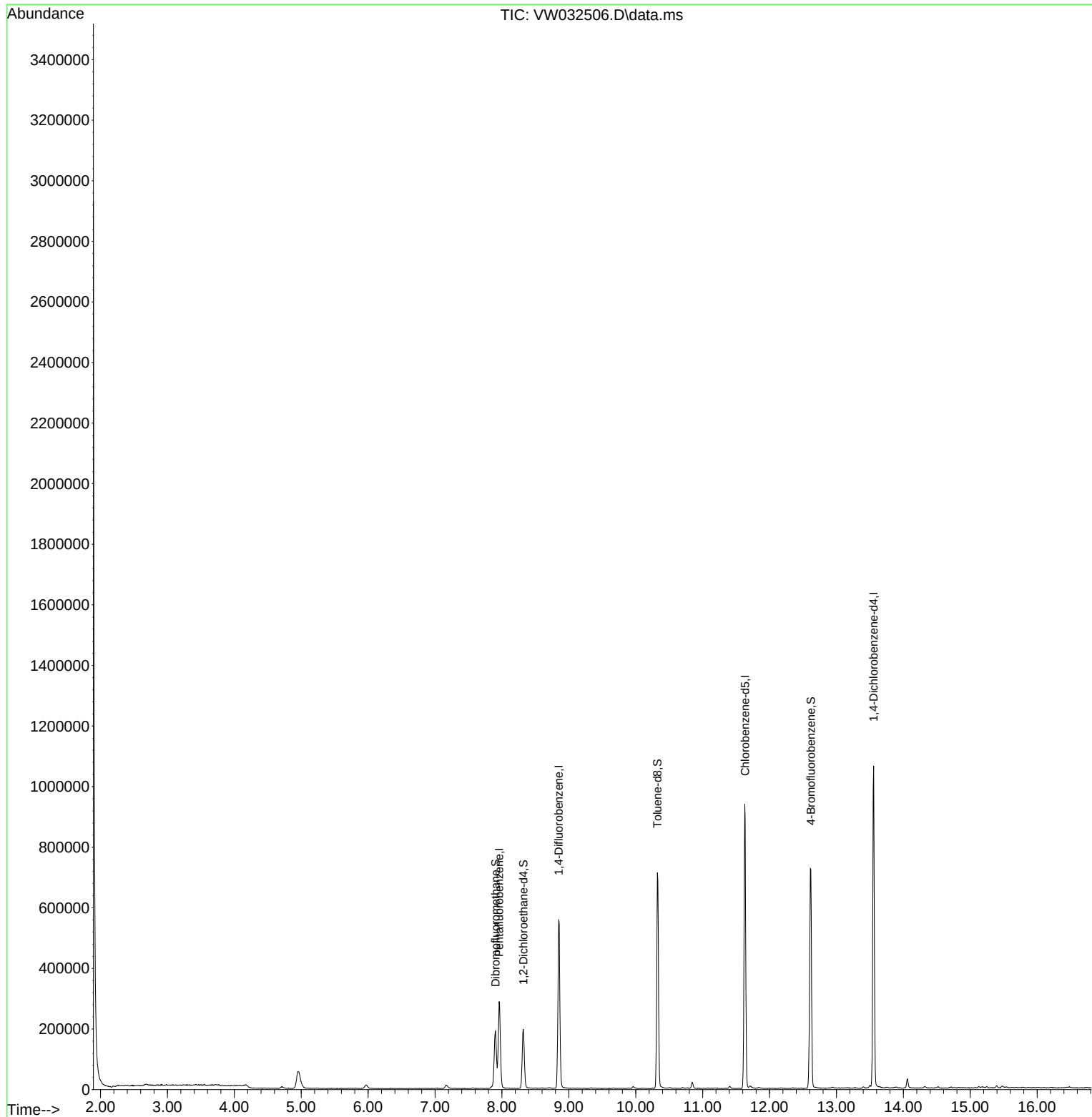
Target Compounds	Qvalue

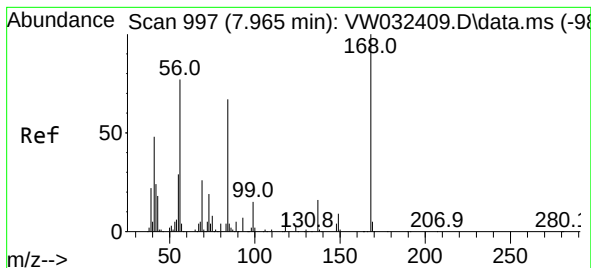
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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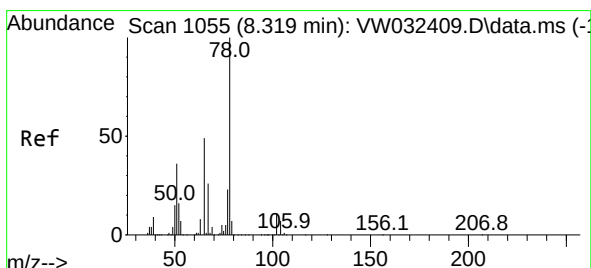
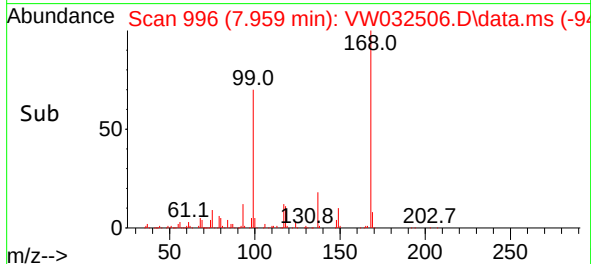
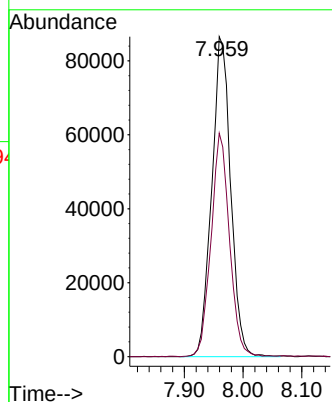
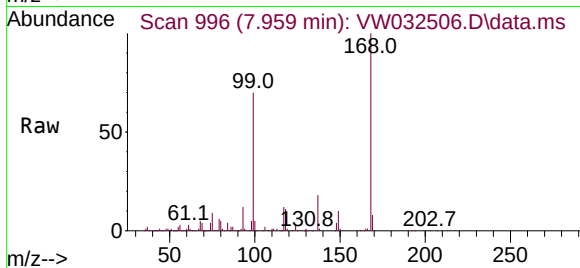




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

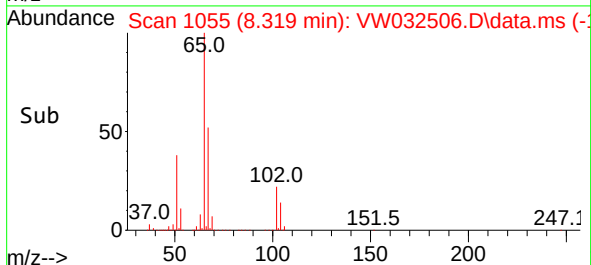
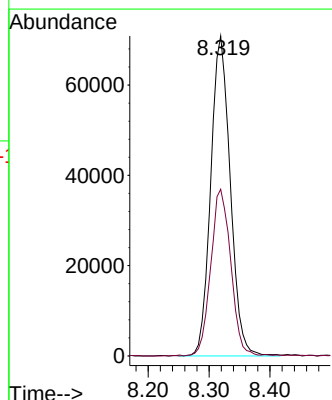
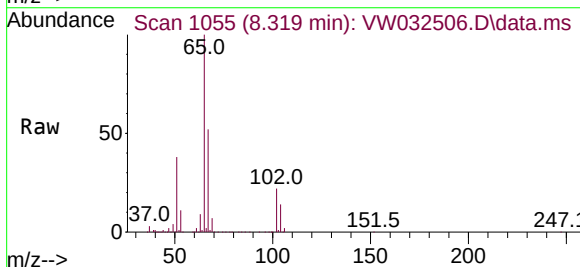
Instrument :
MSVOA_W
ClientSampleId :
GP-B3(13.2)

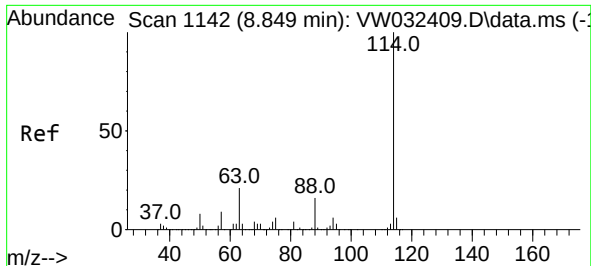
Tgt Ion:168 Resp: 193618
Ion Ratio Lower Upper
168 100
99 69.8 45.4 68.2#



#33
1,2-Dichloroethane-d4
Concen: 63.245 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

Tgt Ion: 65 Resp: 157871
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8

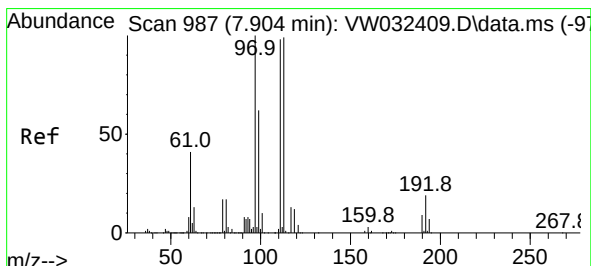
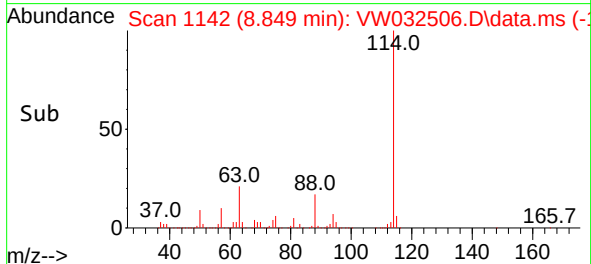
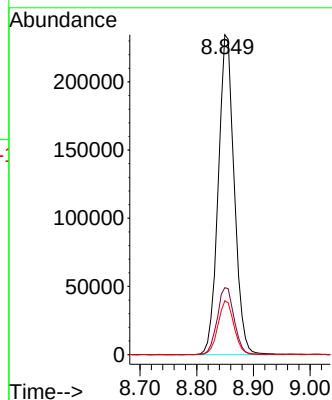
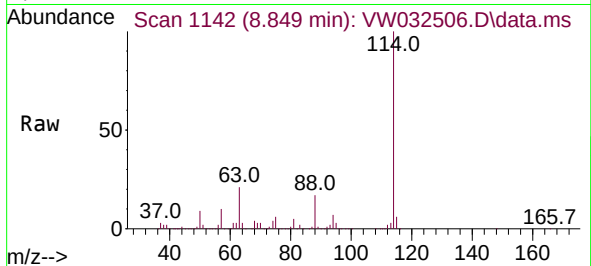




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

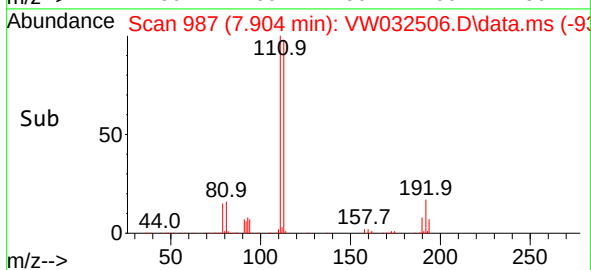
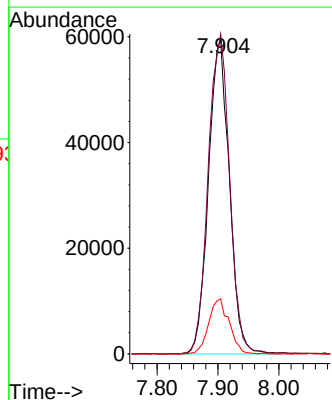
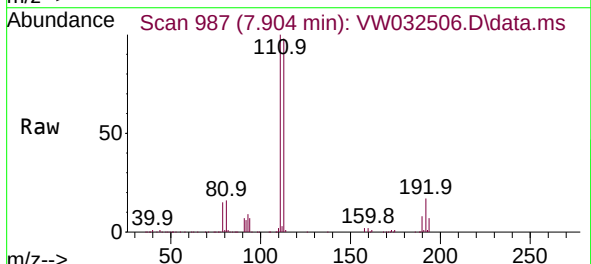
Instrument :
MSVOA_W
ClientSampleId :
GP-B3(13.2)

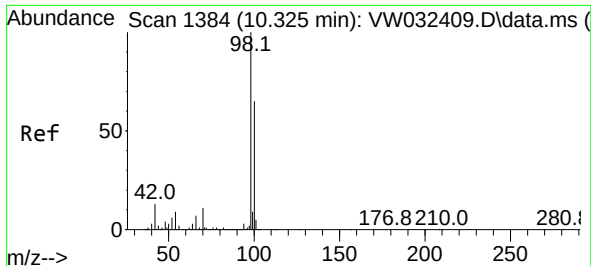
Tgt Ion:114 Resp: 458673
Ion Ratio Lower Upper
114 100
63 20.9 0.0 41.8
88 16.8 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.559 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

Tgt Ion:113 Resp: 141591
Ion Ratio Lower Upper
113 100
111 104.7 83.1 124.7
192 17.1 13.4 20.2

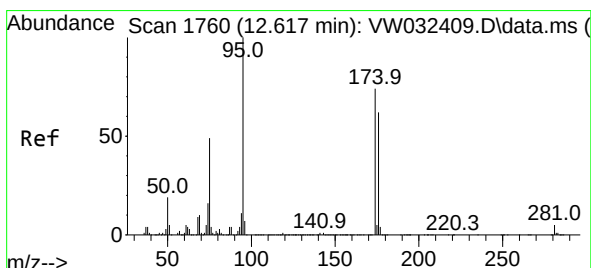
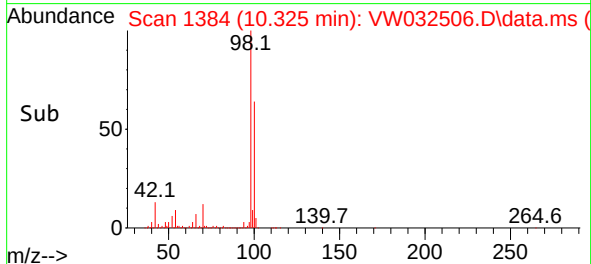
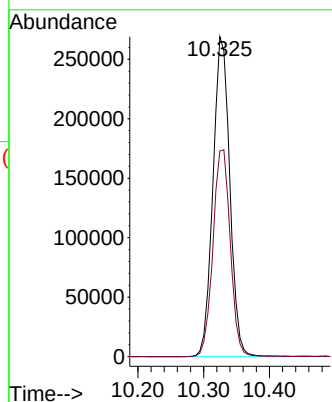
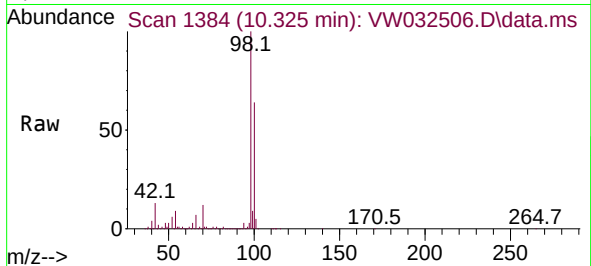




#50
Toluene-d8
Concen: 45.268 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

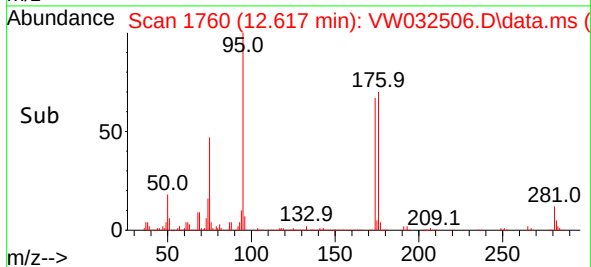
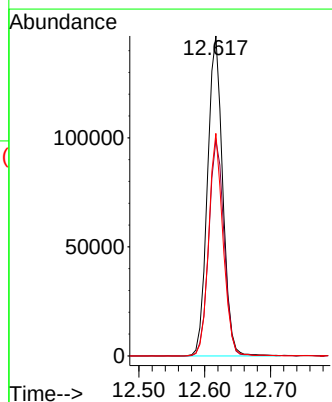
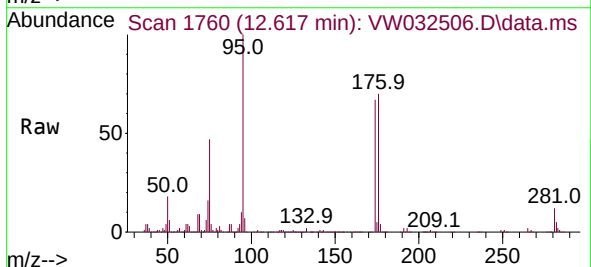
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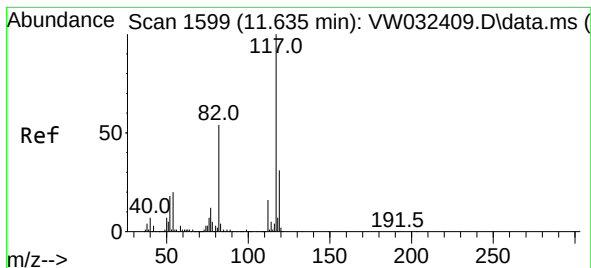
Tgt Ion: 98 Resp: 476912
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 59.188 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

Tgt Ion: 95 Resp: 235556
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.4
176 65.4 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032506.D

Acq: 19 Nov 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

GP-B3(13.2)

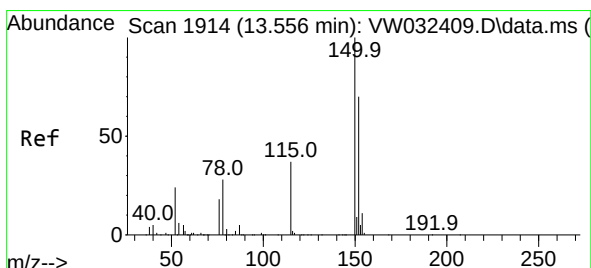
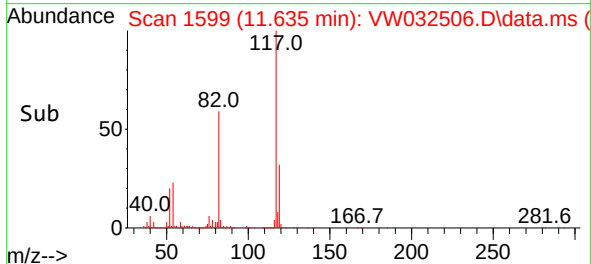
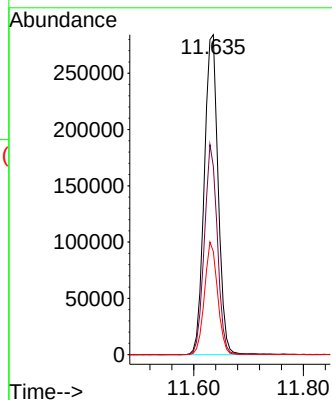
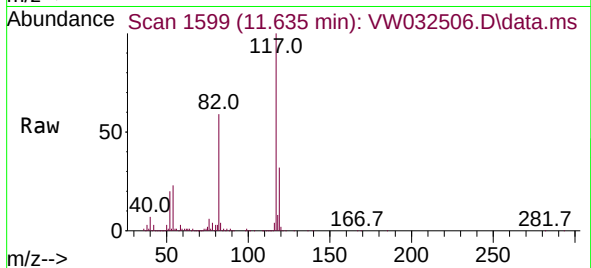
Tgt Ion:117 Resp: 498464

Ion Ratio Lower Upper

117 100

82 58.9 43.0 64.4

119 32.2 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: VW032506.D

Acq: 19 Nov 2025 16:32

Tgt Ion:152 Resp: 274081

Ion Ratio Lower Upper

152 100

115 61.9 32.8 98.3

150 161.3 0.0 356.6

