

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032469.D
 Acq On : 18 Nov 2025 10:13
 Operator : SY/MD
 Sample : VW1118SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1118SBL01

Quant Time: Nov 19 00:24:19 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	212726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	511741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	533709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	261053	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	177417	64.691	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	129.380%
35) Dibromofluoromethane	7.898	113	160106	52.255	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	104.520%
50) Toluene-d8	10.325	98	557281	47.411	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	94.820%
62) 4-Bromofluorobenzene	12.617	95	231076	52.041	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	104.080%

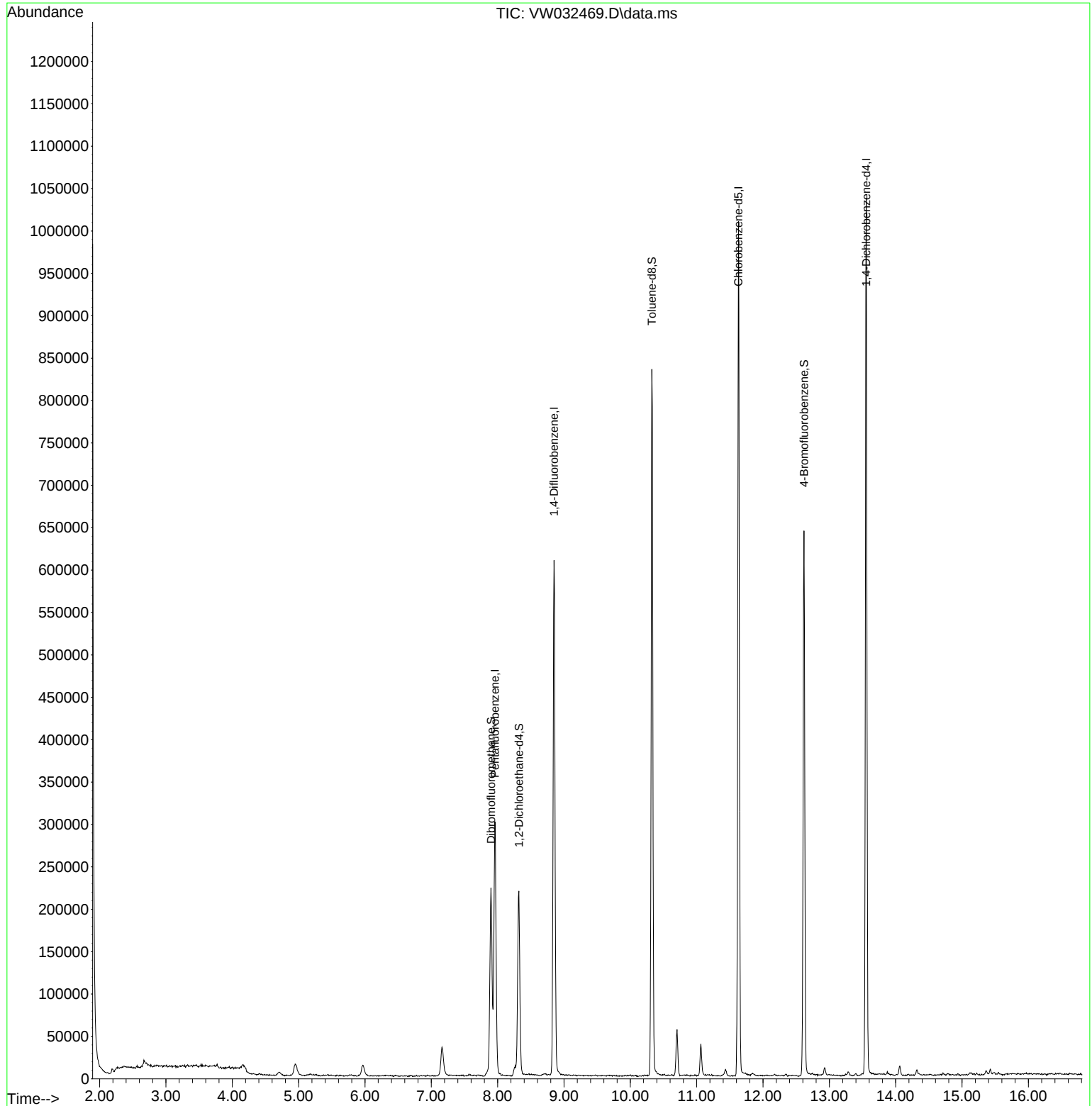
Target Compounds	Qvalue

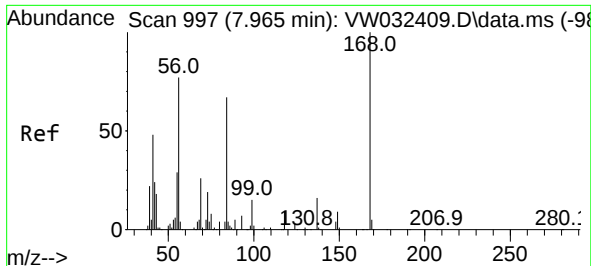
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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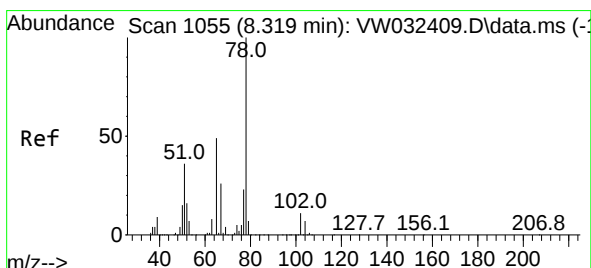
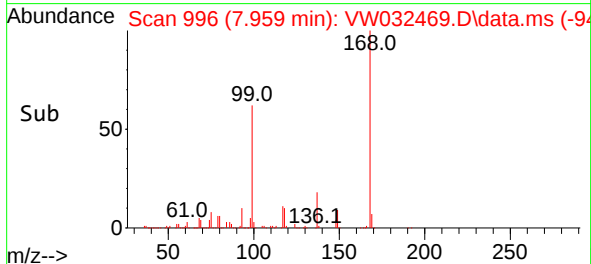
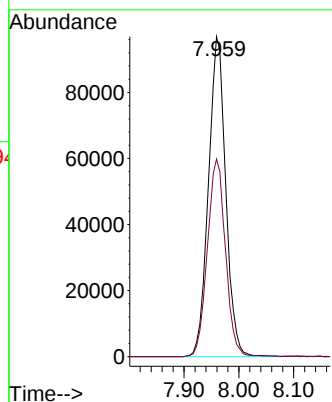
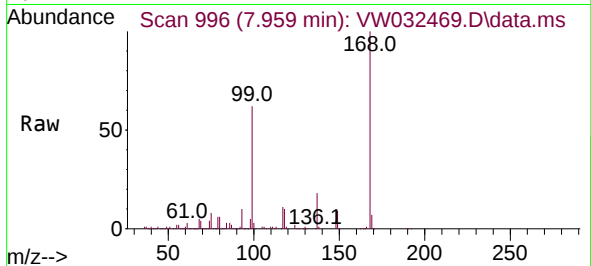




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

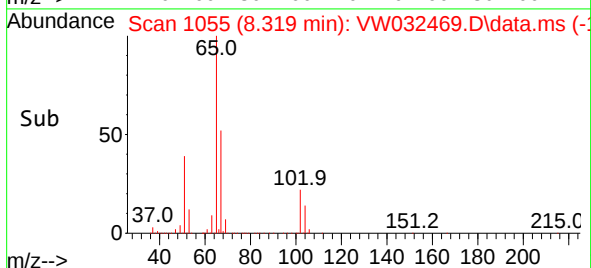
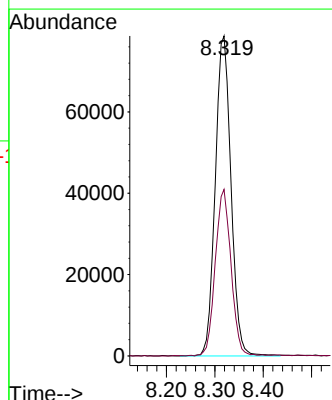
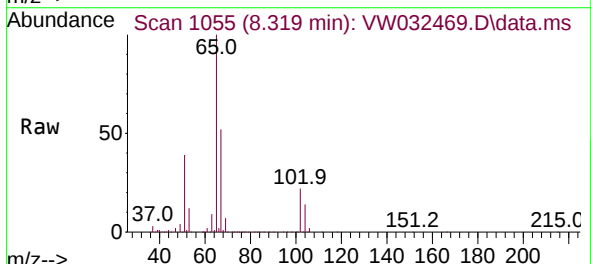
Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

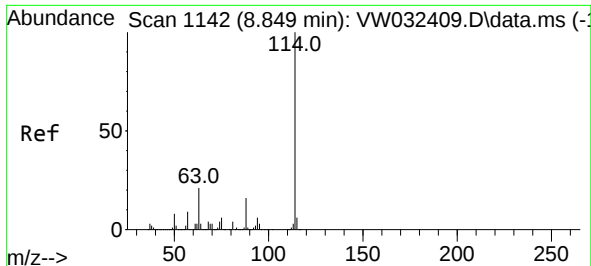
Tgt Ion:168 Resp: 212726
Ion Ratio Lower Upper
168 100
99 61.7 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 64.691 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion: 65 Resp: 177417
Ion Ratio Lower Upper
65 100
67 52.0 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: VW032469.D

Acq: 18 Nov 2025 10:13

Instrument :

MSVOA_W

ClientSampleId :

VW1118SBL01

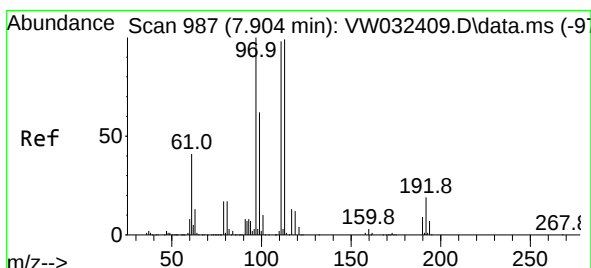
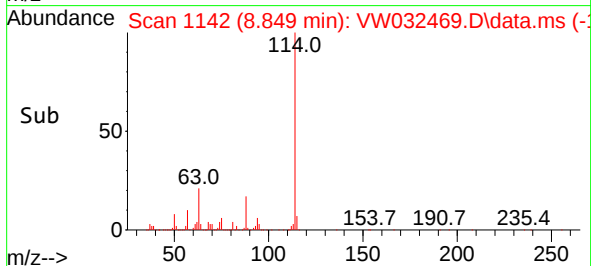
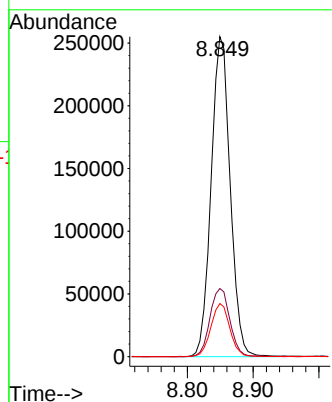
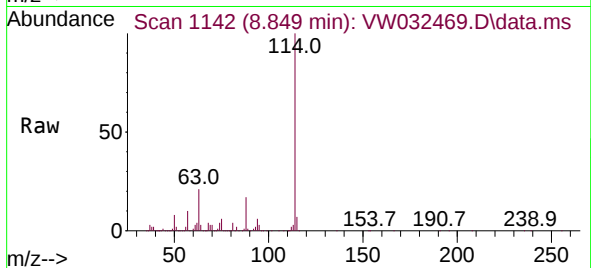
Tgt Ion:114 Resp: 511741

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.8

88 16.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.255 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032469.D

Acq: 18 Nov 2025 10:13

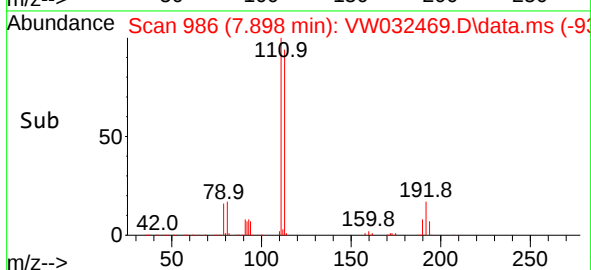
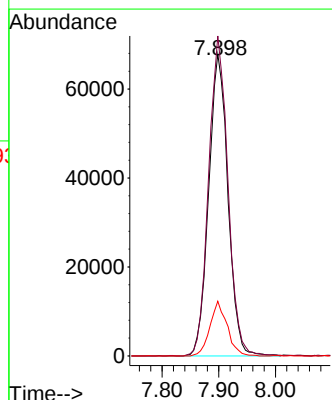
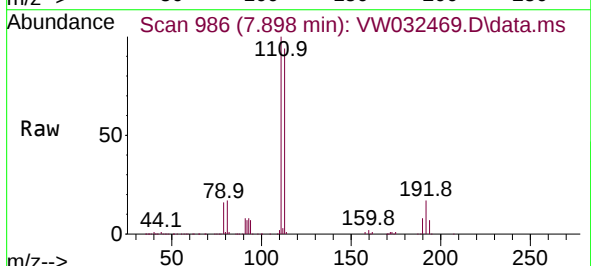
Tgt Ion:113 Resp: 160106

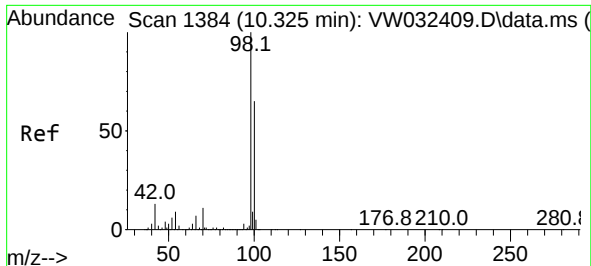
Ion Ratio Lower Upper

113 100

111 106.3 83.1 124.7

192 16.2 13.4 20.2

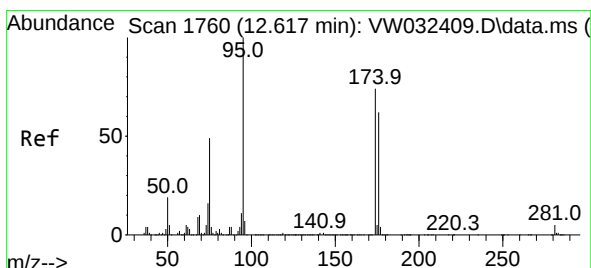
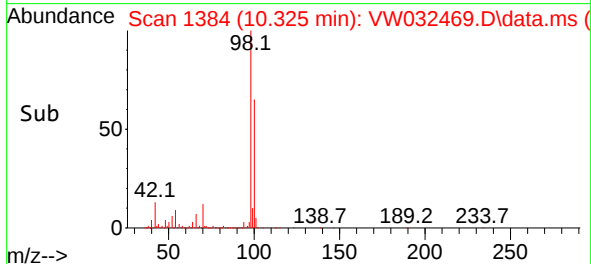
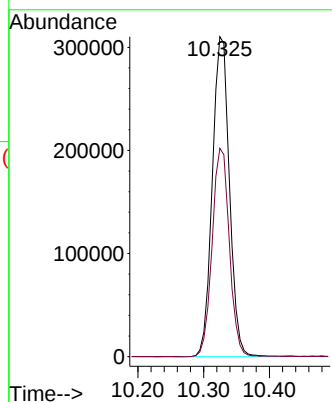
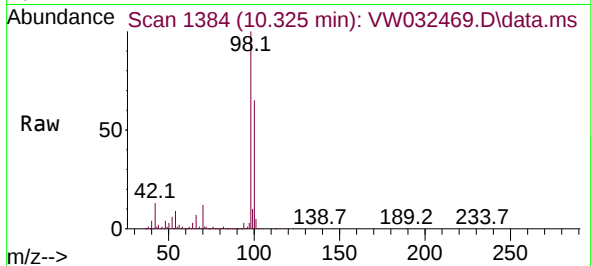




#50
Toluene-d8
Concen: 47.411 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

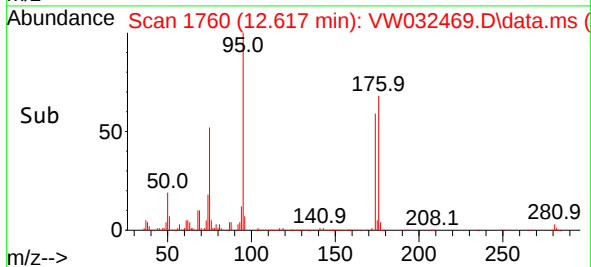
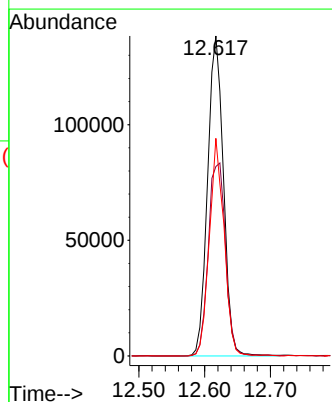
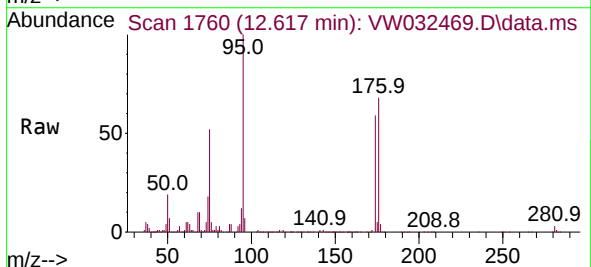
Instrument :
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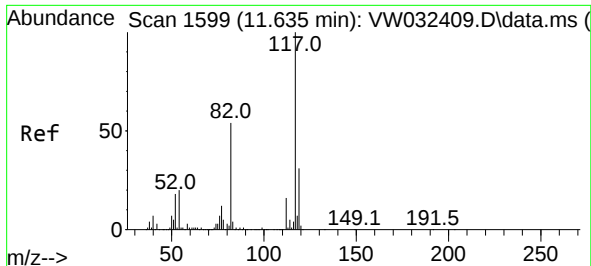
Tgt Ion: 98 Resp: 557281
Ion Ratio Lower Upper
98 100
100 65.7 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 52.041 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion: 95 Resp: 231076
Ion Ratio Lower Upper
95 100
174 65.9 0.0 135.4
176 63.2 0.0 131.8

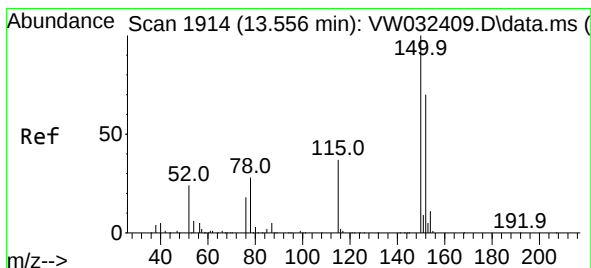
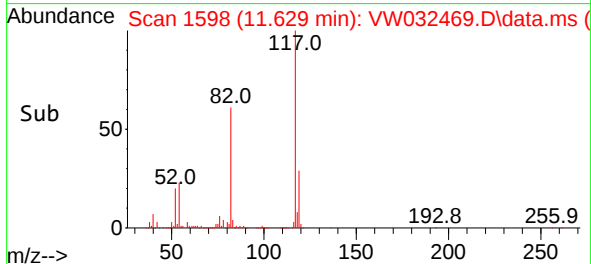
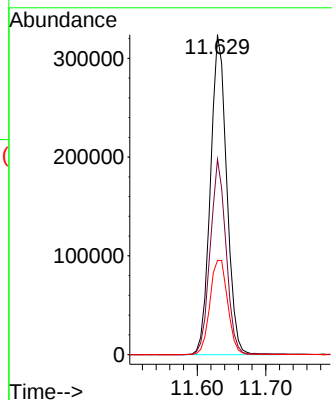
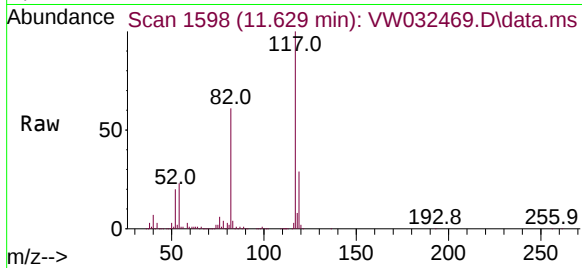




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032469.D
Acq: 18 Nov 2025 10:13

Instrument :
MSVOA_W
ClientSampleId :
VW1118SBL01

Tgt Ion:117 Resp: 533709
Ion Ratio Lower Upper
117 100
82 61.1 43.0 64.4
119 29.4 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: VW032469.D
Acq: 18 Nov 2025 10:13

Tgt Ion:152 Resp: 261053
Ion Ratio Lower Upper
152 100
115 63.2 32.8 98.3
150 161.2 0.0 356.6

