

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032508.D
 Acq On : 19 Nov 2025 17:16
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Nov 20 01:21:31 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	197872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	468601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	510233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	269194	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	150983	59.185	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	118.360%
35) Dibromofluoromethane	7.898	113	142236	50.697	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.400%
50) Toluene-d8	10.325	98	488365	45.373	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.740%
62) 4-Bromofluorobenzene	12.617	95	227164	55.870	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	111.740%

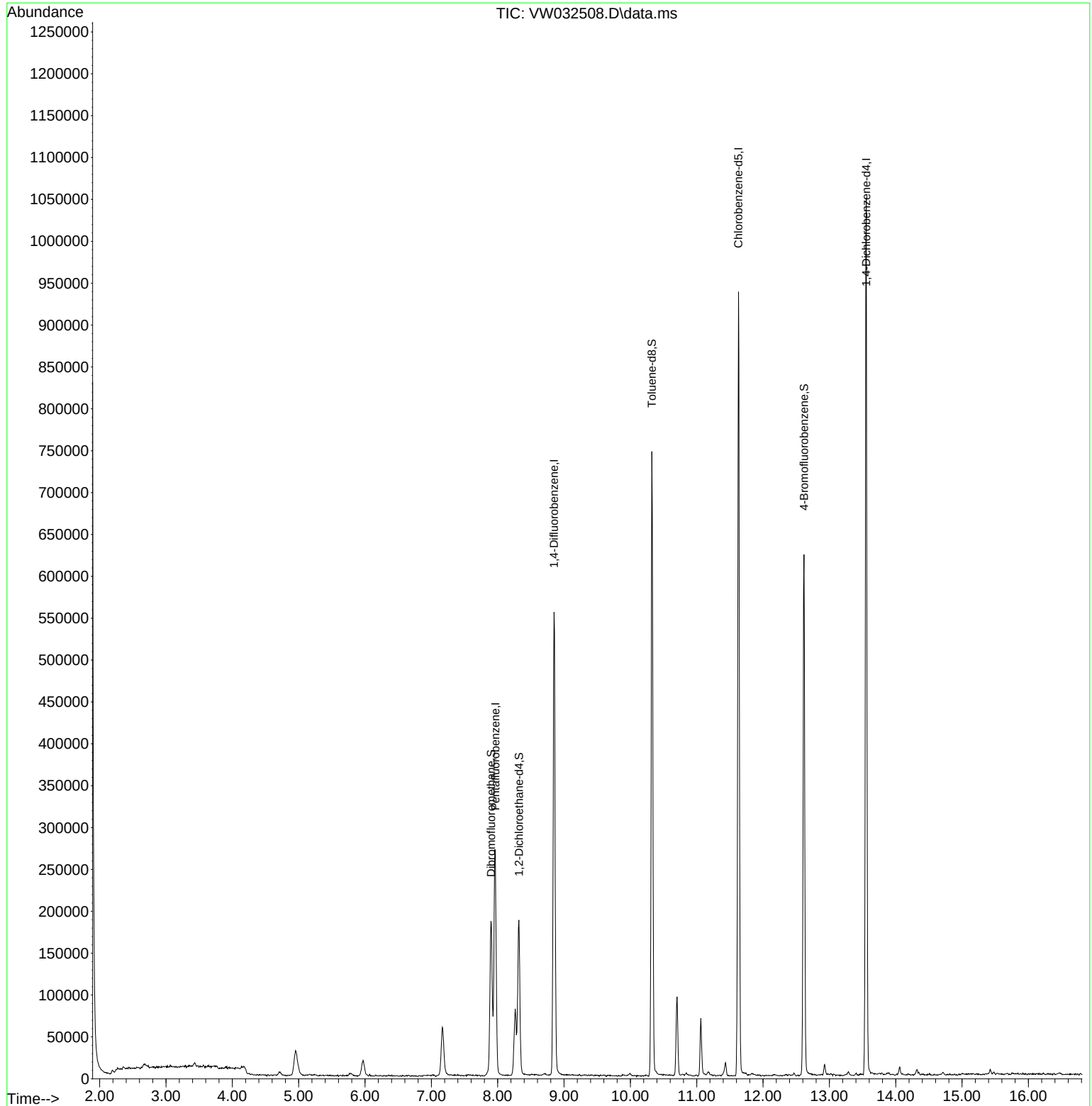
Target Compounds	Qvalue

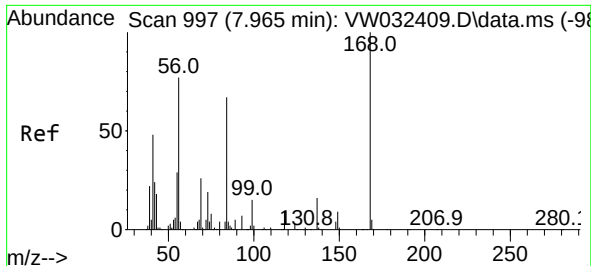
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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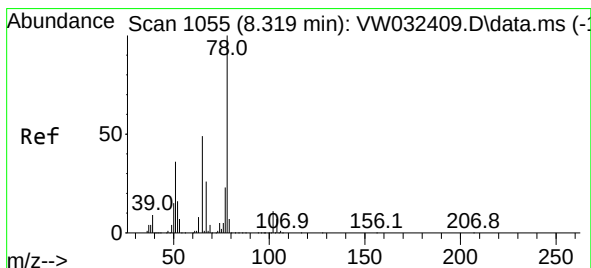
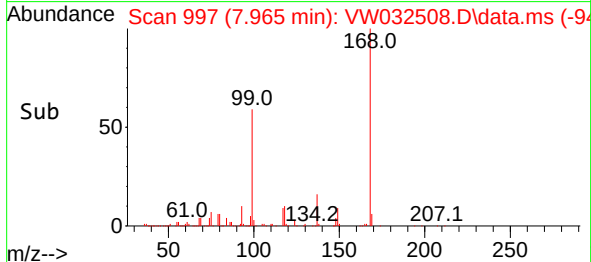
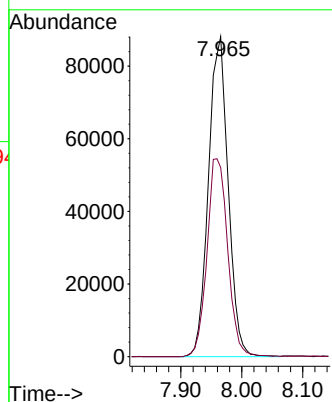
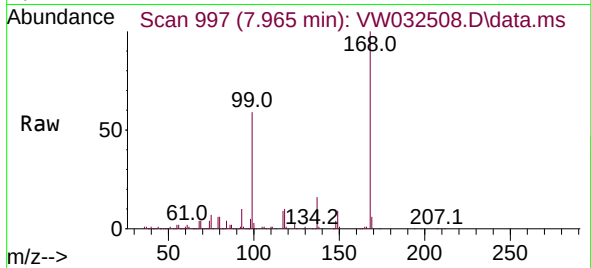




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

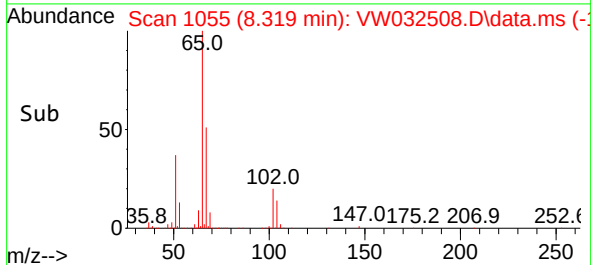
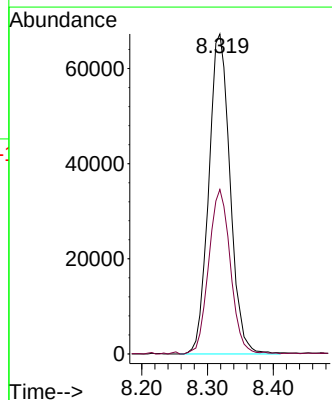
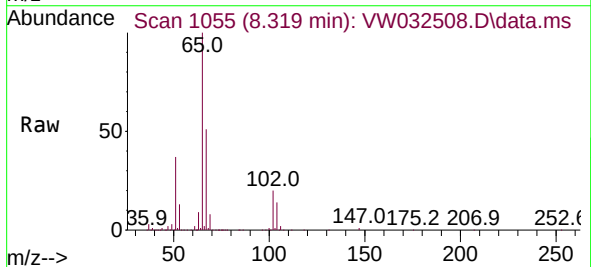
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

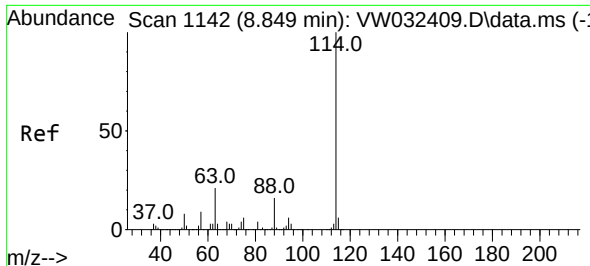
Tgt Ion:168 Resp: 197872
Ion Ratio Lower Upper
168 100
99 59.1 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 59.185 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

Tgt Ion: 65 Resp: 150983
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.8

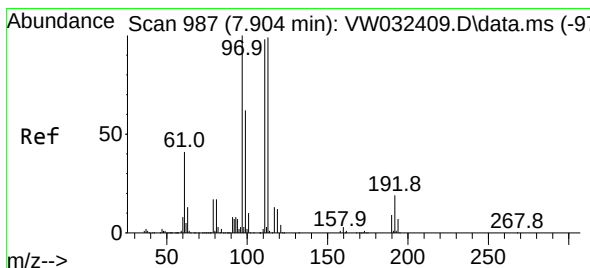
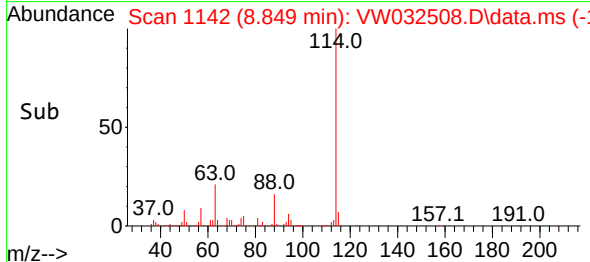
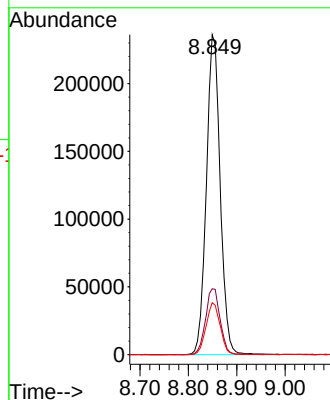
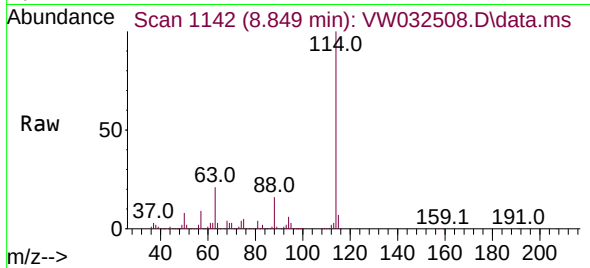




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

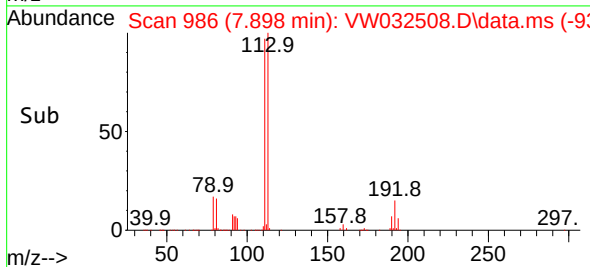
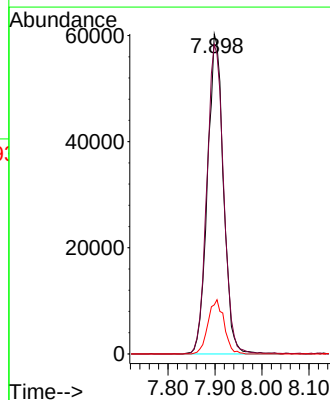
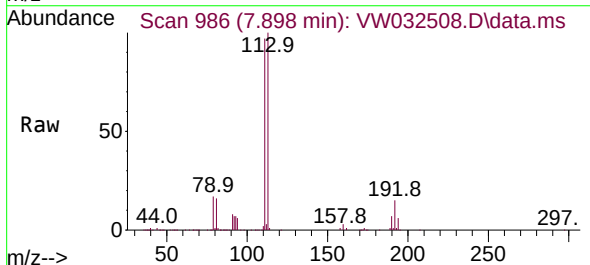
Instrument :
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ClientSampleId :
VIBLK

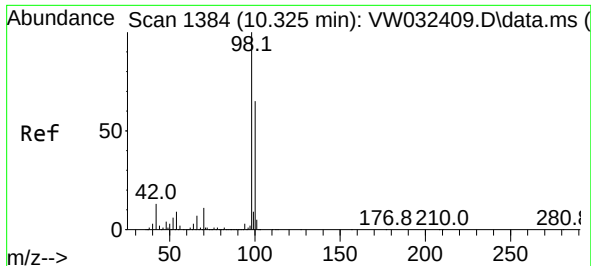
Tgt Ion:114 Resp: 468601
Ion Ratio Lower Upper
114 100
63 20.5 0.0 41.8
88 16.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.697 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

Tgt Ion:113 Resp: 142236
Ion Ratio Lower Upper
113 100
111 101.7 83.1 124.7
192 17.0 13.4 20.2

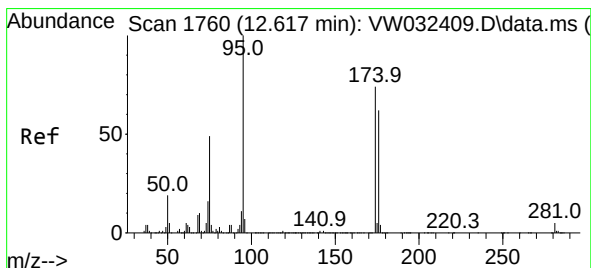
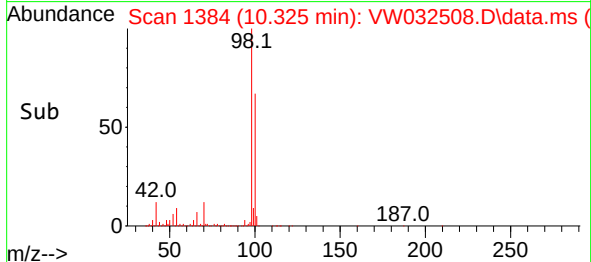
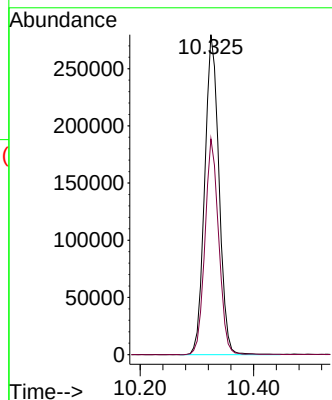
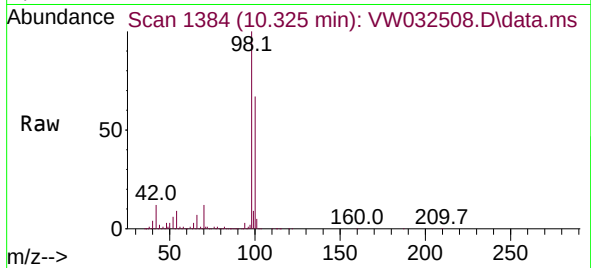




#50
Toluene-d8
Concen: 45.373 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

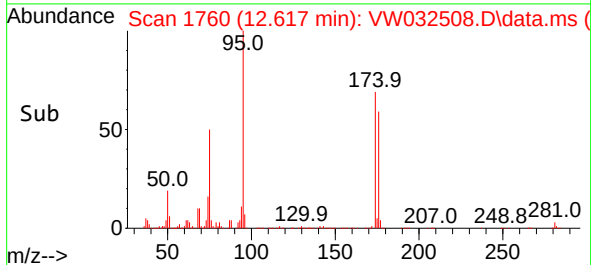
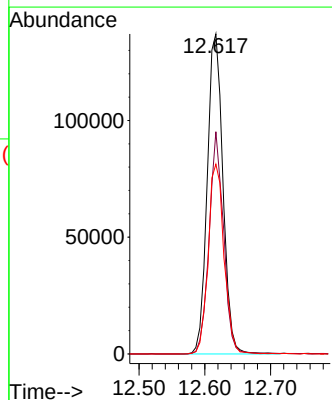
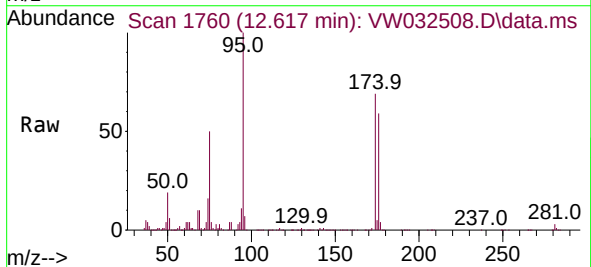
Instrument :
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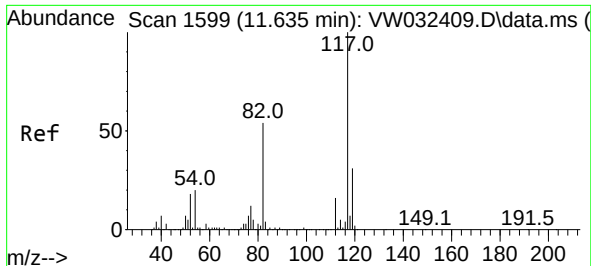
Tgt Ion: 98 Resp: 488365
Ion Ratio Lower Upper
98 100
100 64.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 55.870 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

Tgt Ion: 95 Resp: 227164
Ion Ratio Lower Upper
95 100
174 64.0 0.0 135.4
176 60.0 0.0 131.8

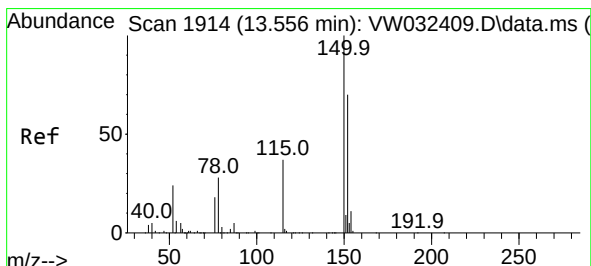
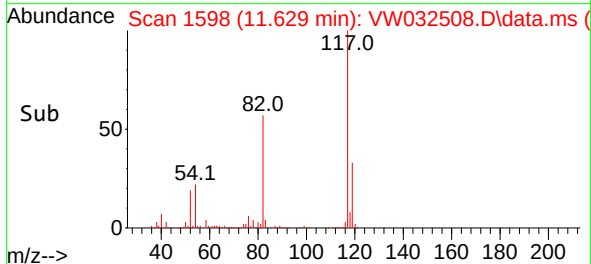
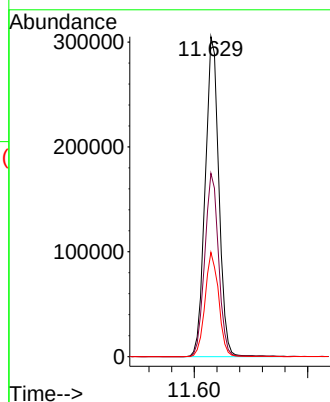
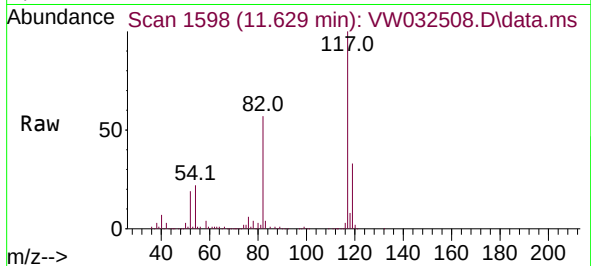




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032508.D
Acq: 19 Nov 2025 17:16

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:	117	Resp:	510233
Ion Ratio	Lower	Upper	
117	100		
82	57.3	43.0	64.4
119	32.6	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: VW032508.D
Acq: 19 Nov 2025 17:16

Tgt Ion:	152	Resp:	269194
Ion Ratio	Lower	Upper	
152	100		
115	61.8	32.8	98.3
150	153.8	0.0	356.6

