

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032367.D
 Acq On : 06 Oct 2025 18:08
 Operator : SY/MD
 Sample : Q3297-11
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP2

Quant Time: Oct 07 03:51:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	191576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	427640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	437403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	223112	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	173670	62.153	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	124.300%
35) Dibromofluoromethane	7.898	113	147259	53.173	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	106.340%
50) Toluene-d8	10.331	98	539544	52.786	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	105.580%
62) 4-Bromofluorobenzene	12.617	95	209155	54.138	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	108.280%

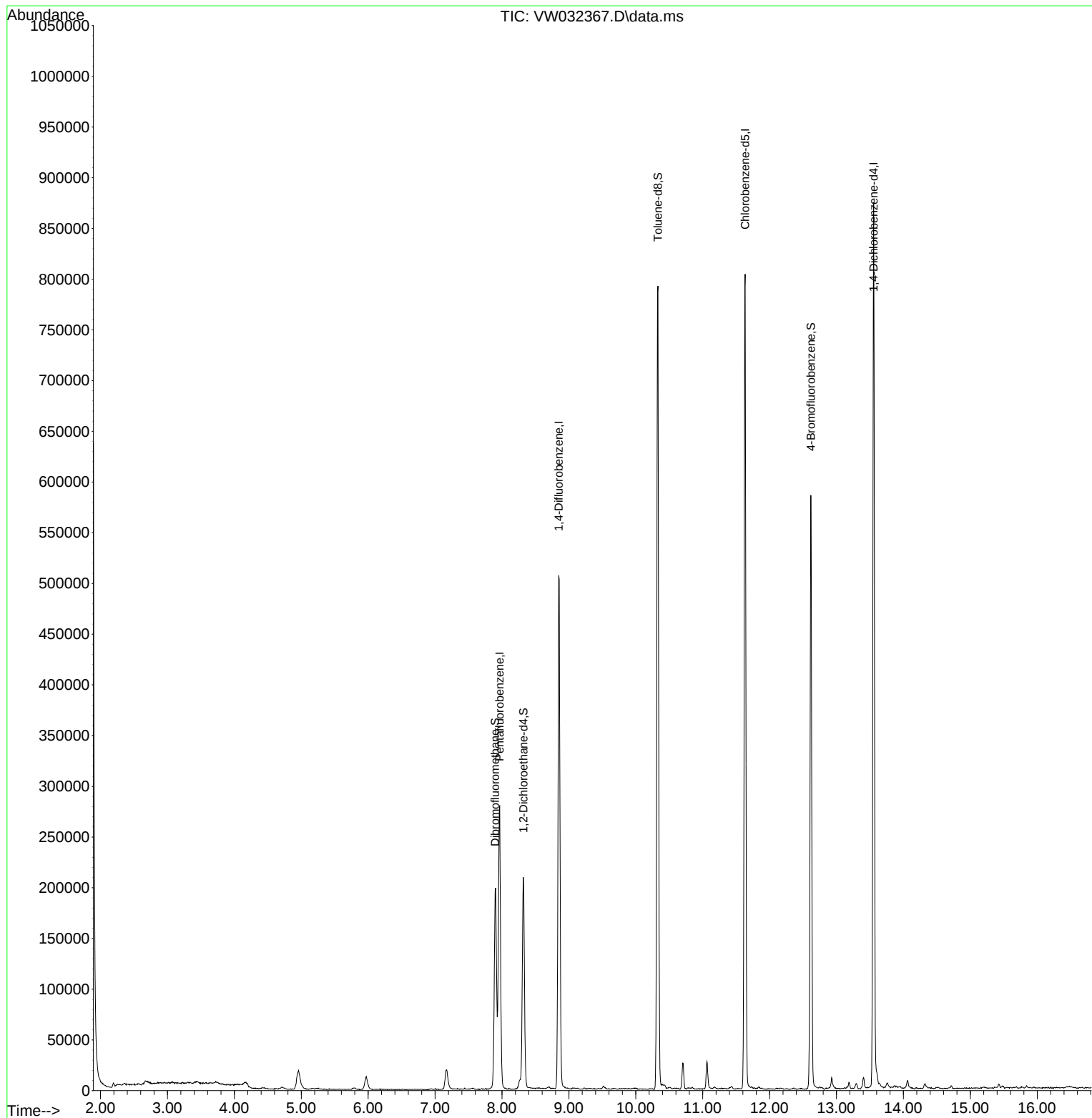
Target Compounds	Qvalue

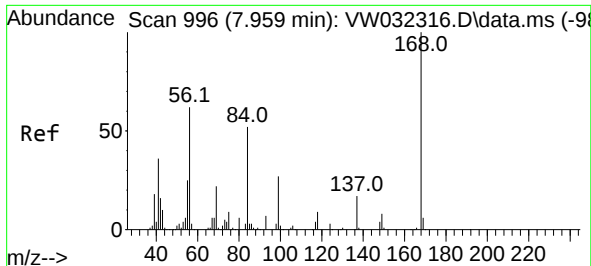
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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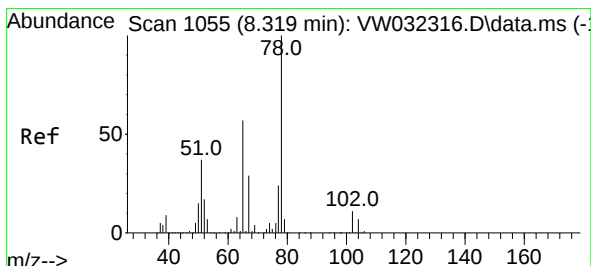
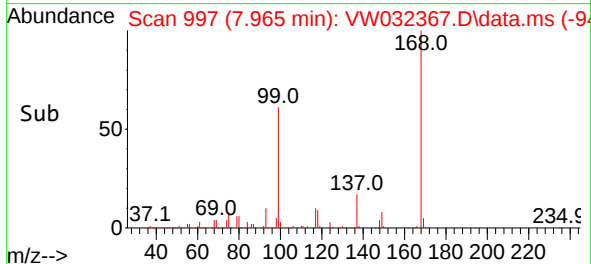
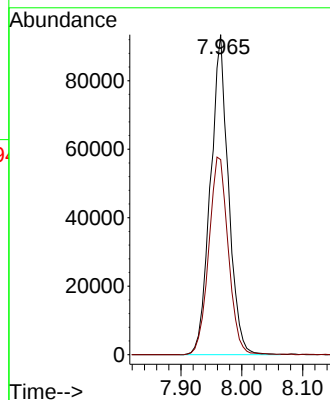
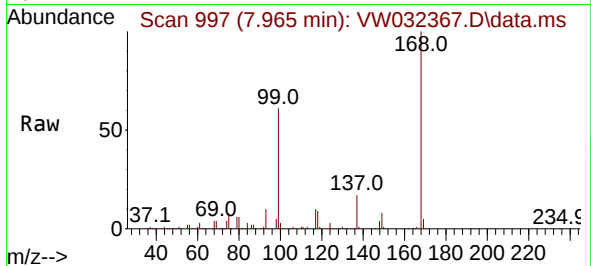




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

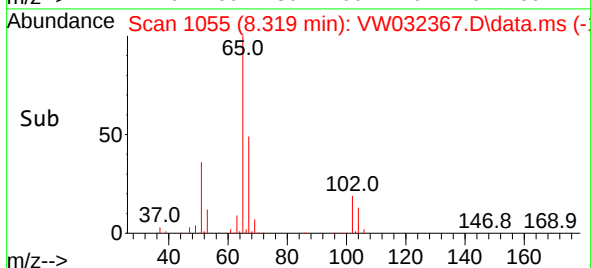
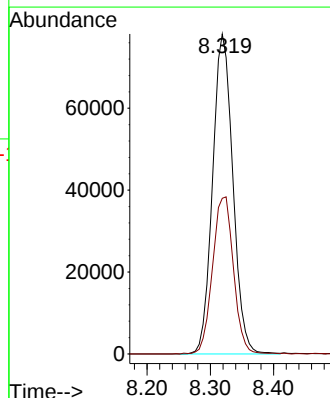
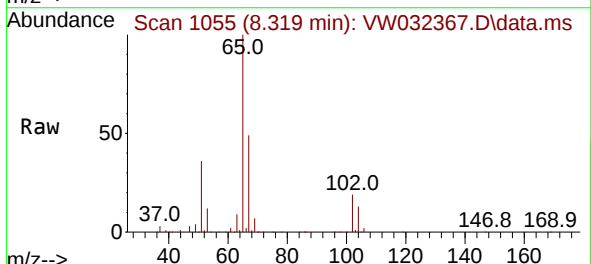
Instrument :
MSVOA_W
ClientSampleId :
TP2

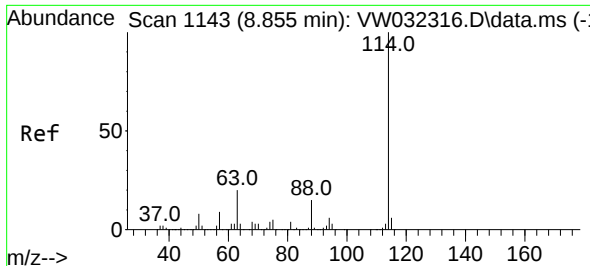
Tgt Ion:168 Resp: 191576
Ion Ratio Lower Upper
168 100
99 60.9 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 62.153 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

Tgt Ion: 65 Resp: 173670
Ion Ratio Lower Upper
65 100
67 50.8 0.0 99.6

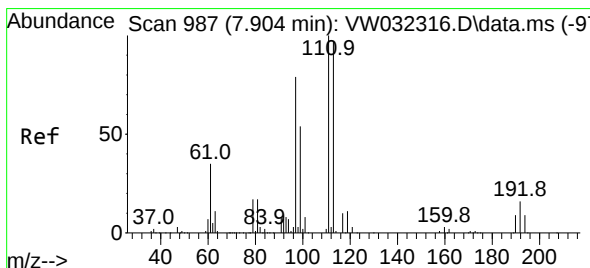
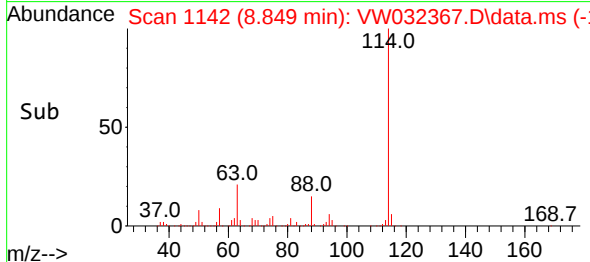
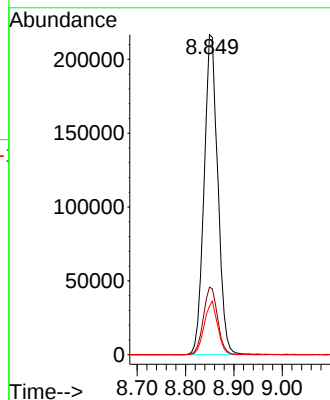
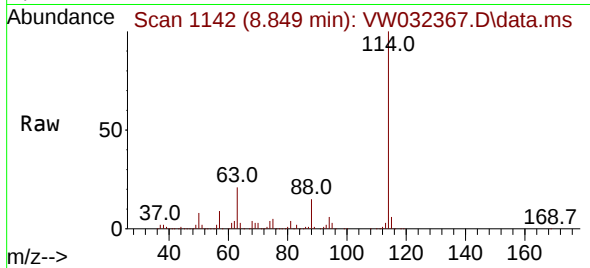




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032367.D
 Acq: 06 Oct 2025 18:08

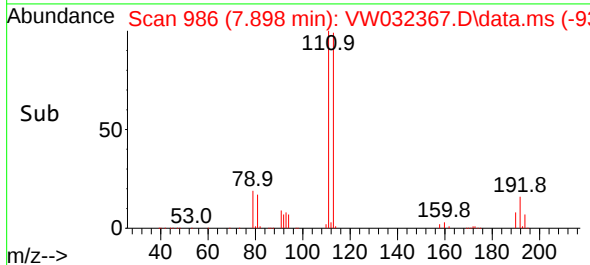
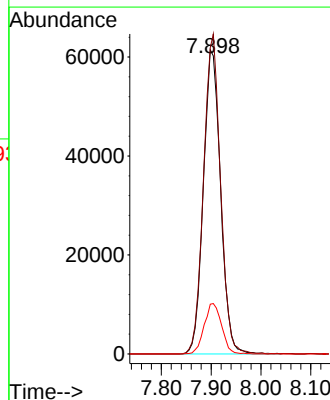
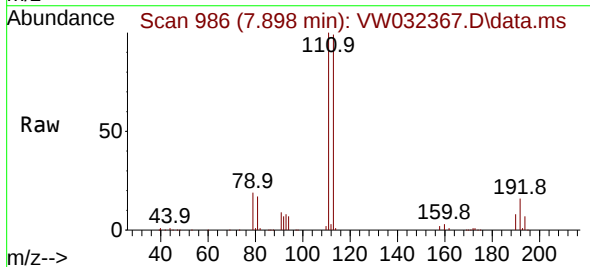
Instrument :
 MSVOA_W
 ClientSampleId :
 TP2

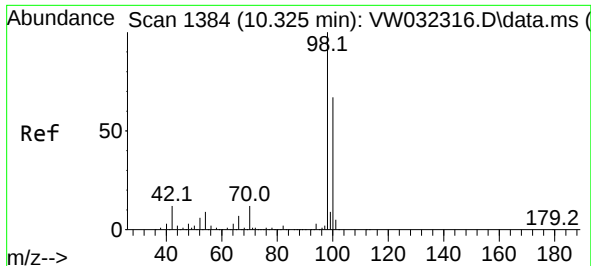
Tgt Ion:114	Resp:	427640	
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.4
88	15.1	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 53.173 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032367.D
 Acq: 06 Oct 2025 18:08

Tgt Ion:113	Resp:	147259	
Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.9	125.9
192	16.8	14.6	21.8

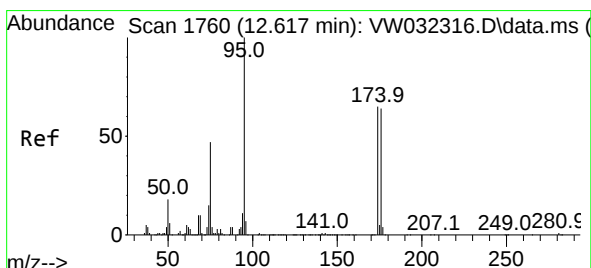
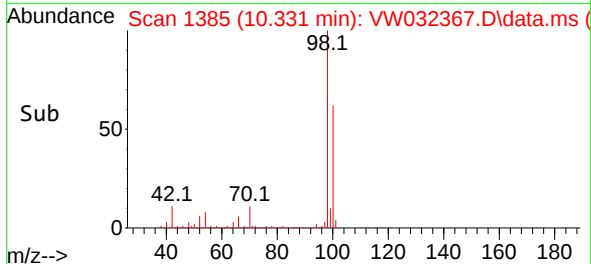
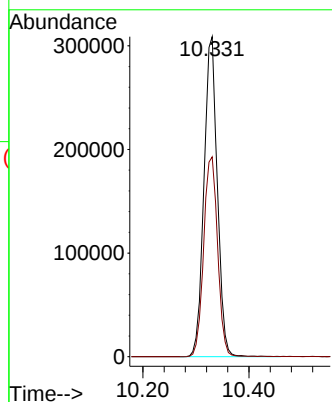
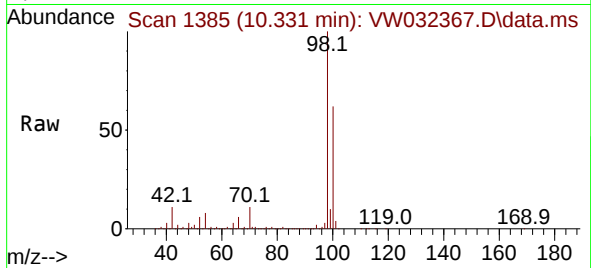




#50
Toluene-d8
Concen: 52.786 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

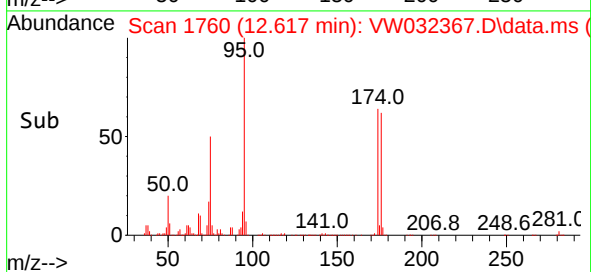
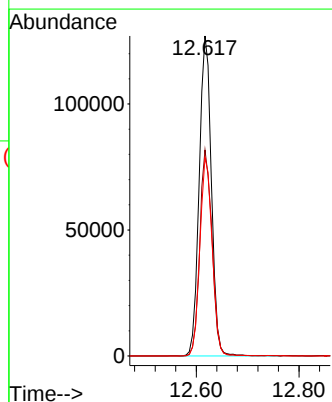
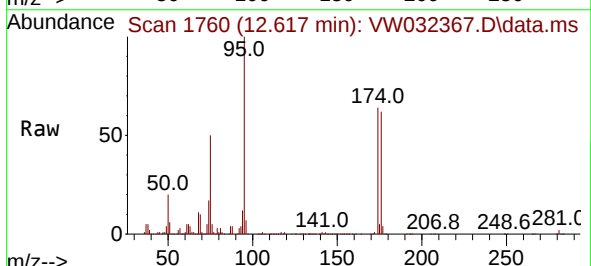
Instrument :
MSVOA_W
ClientSampleId :
TP2

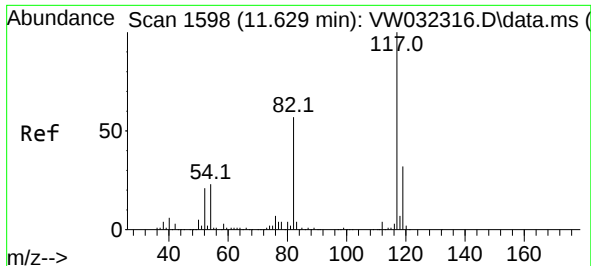
Tgt Ion: 98 Resp: 539544
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 54.138 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

Tgt Ion: 95 Resp: 209155
Ion Ratio Lower Upper
95 100
174 64.3 0.0 145.6
176 62.8 0.0 140.8

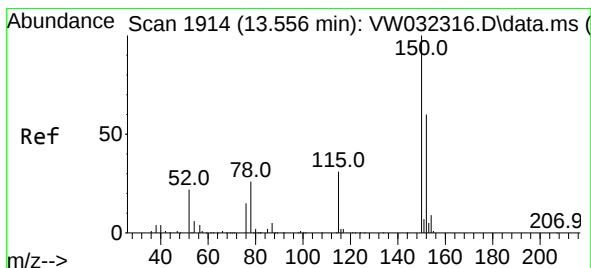
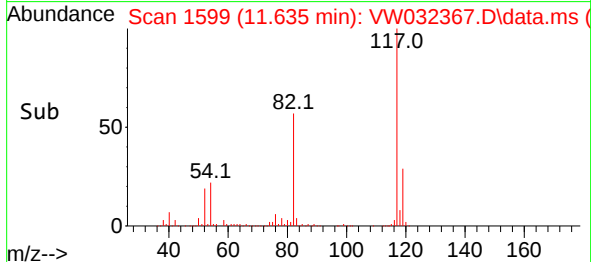
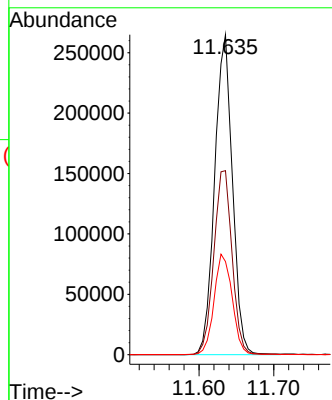
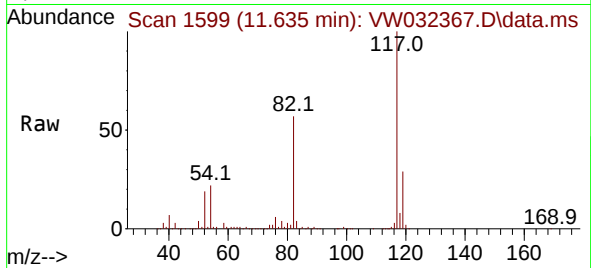




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

Instrument :
MSVOA_W
ClientSampleId :
TP2

Tgt Ion:117 Resp: 437403
Ion Ratio Lower Upper
117 100
82 57.5 42.7 64.1
119 29.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032367.D
Acq: 06 Oct 2025 18:08

Tgt Ion:152 Resp: 223112
Ion Ratio Lower Upper
152 100
115 61.9 31.8 95.4
150 156.8 0.0 343.0

