

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032485.D
 Acq On : 18 Nov 2025 16:36
 Operator : SY/MD
 Sample : Q3662-01
 Misc : 6.40g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B3-0.5-1.0-20251117

Quant Time: Nov 19 00:29:55 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	7.965	168	225287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	534048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	544672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	237264	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	160596	55.292	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	110.580%
35) Dibromofluoromethane	7.898	113	152037	47.549	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	95.100%
50) Toluene-d8	10.325	98	533491	43.491	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	86.980%
62) 4-Bromofluorobenzene	12.617	95	241626	52.144	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	104.280%

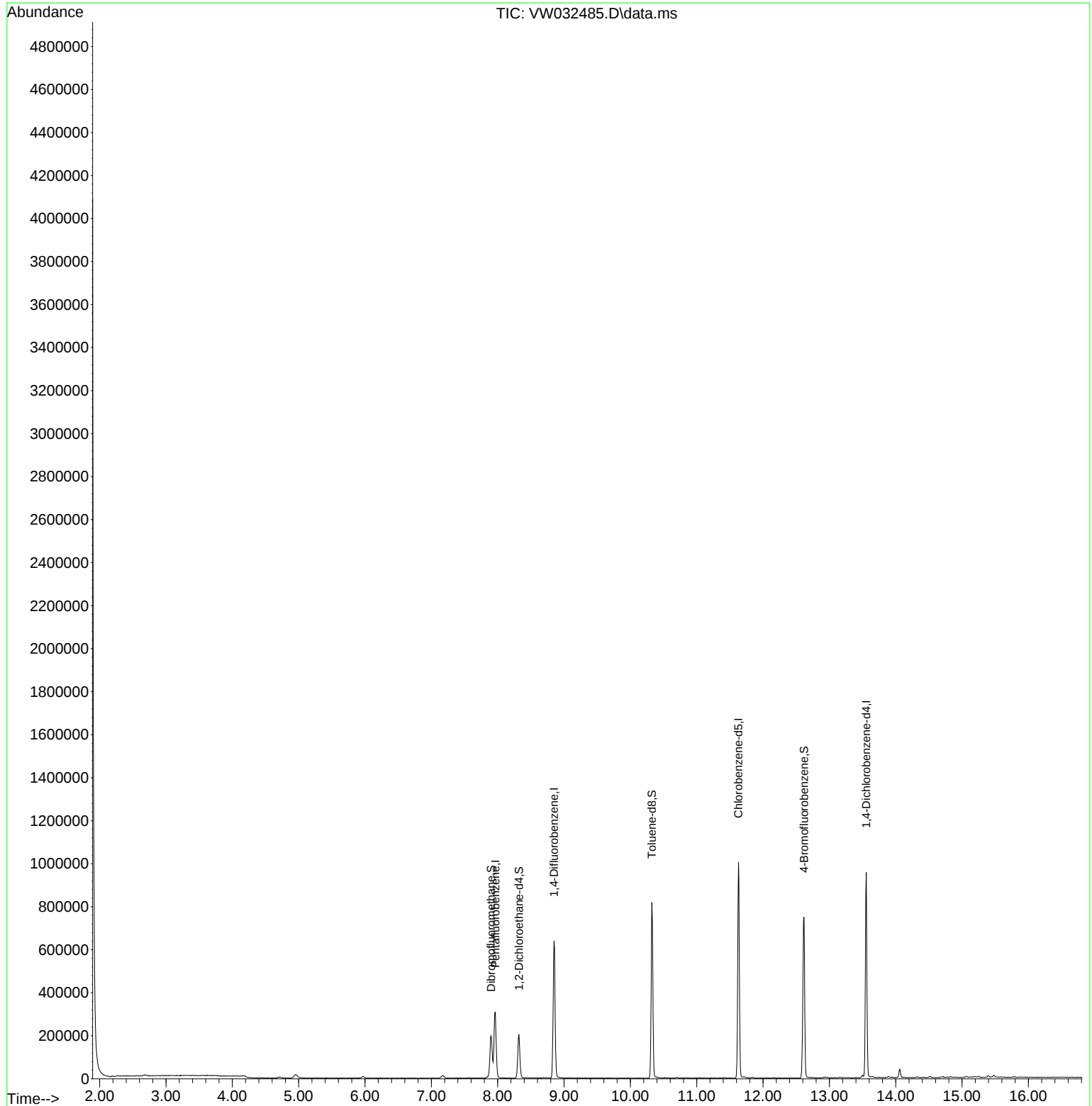
Target Compounds	Qvalue

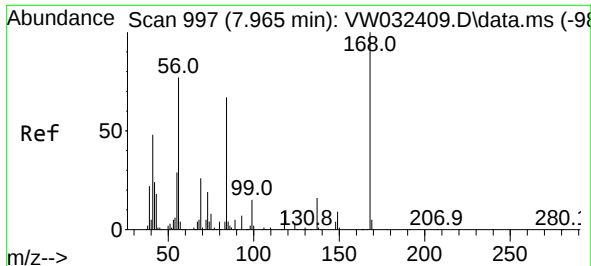
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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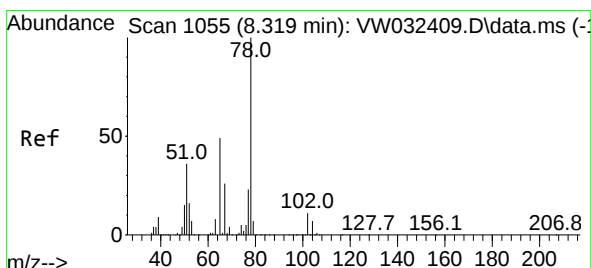
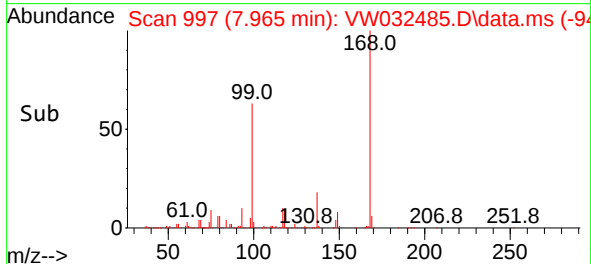
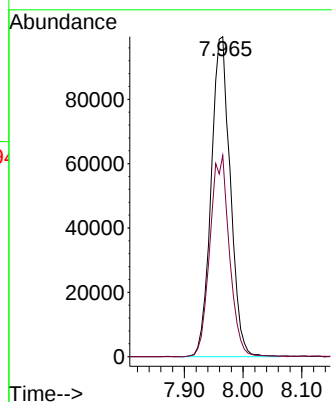
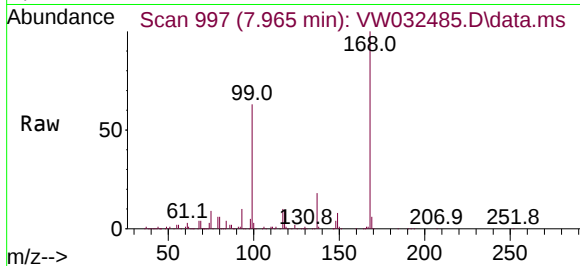




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

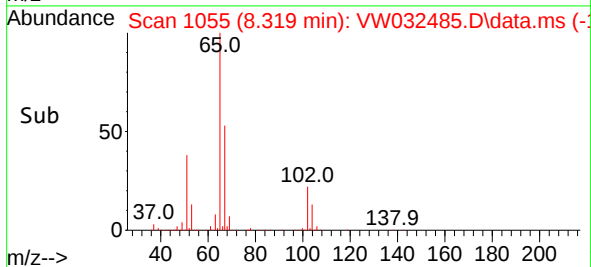
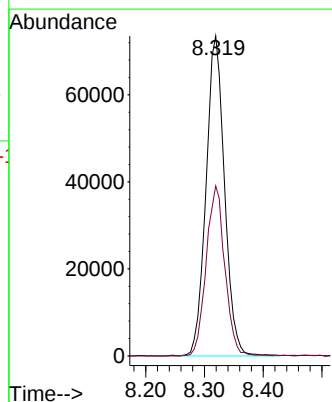
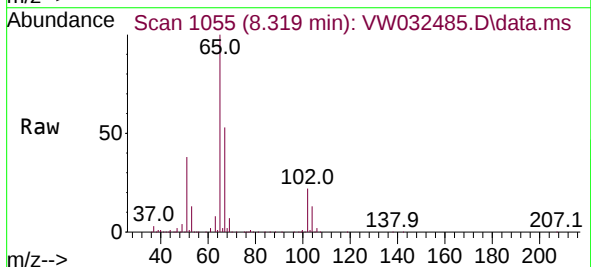
Instrument :
MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251117

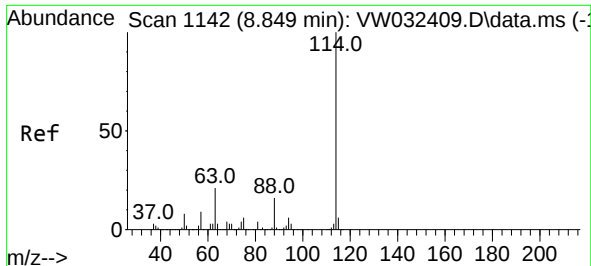
Tgt Ion:168 Resp: 225287
Ion Ratio Lower Upper
168 100
99 62.9 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 55.292 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Tgt Ion: 65 Resp: 160596
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8

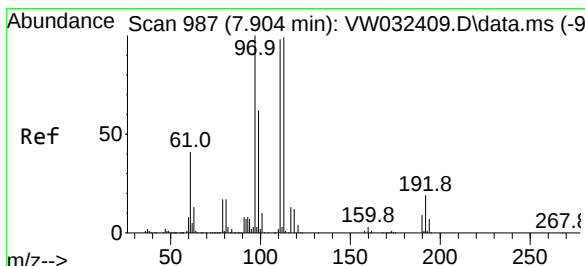
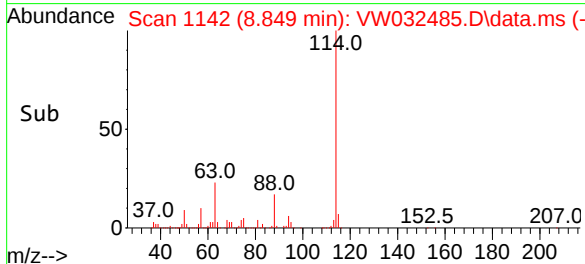
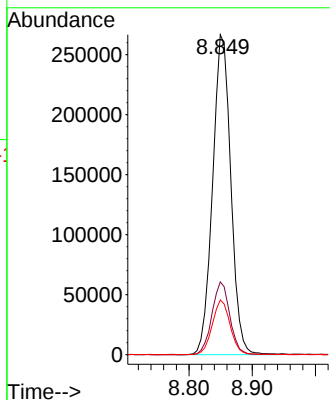
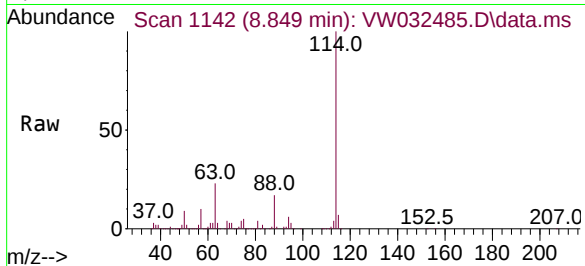




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

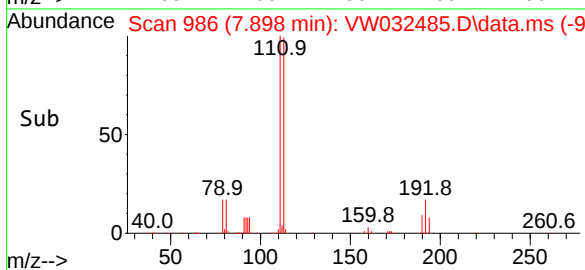
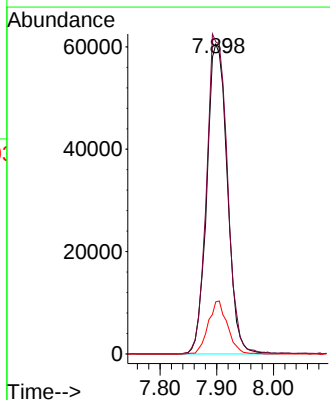
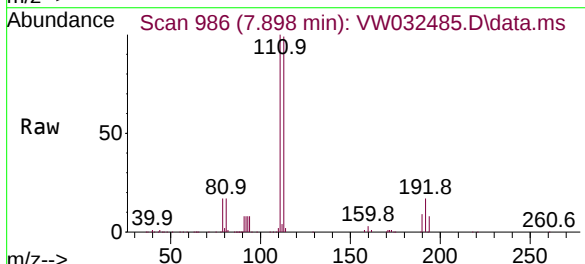
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ClientSampleId :
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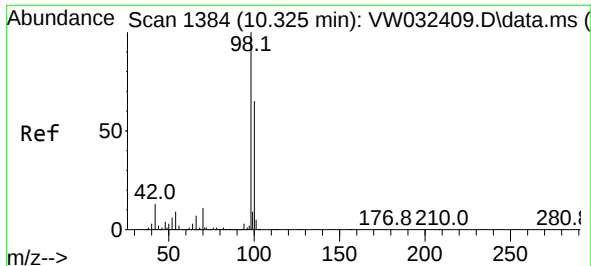
Tgt Ion:	114	Resp:	534048
Ion Ratio	Lower	Upper	
114	100		
63	22.7	0.0	41.8
88	17.1	0.0	32.6



#35
Dibromofluoromethane
Concen: 47.549 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Tgt Ion:	113	Resp:	152037
Ion Ratio	Lower	Upper	
113	100		
111	104.4	83.1	124.7
192	15.9	13.4	20.2

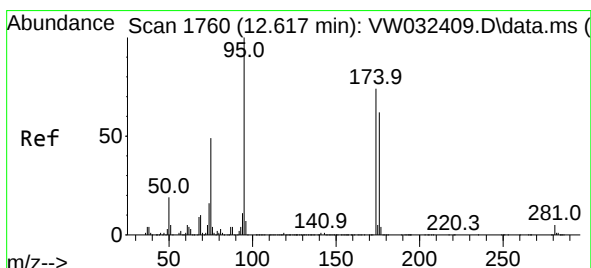
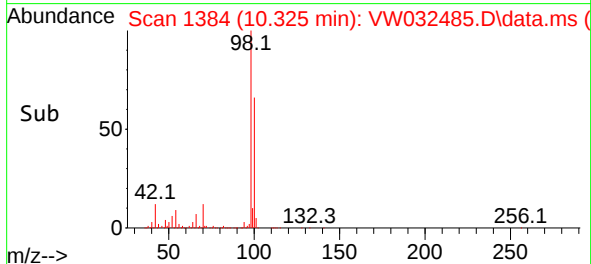
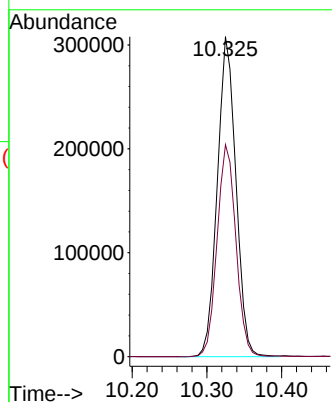
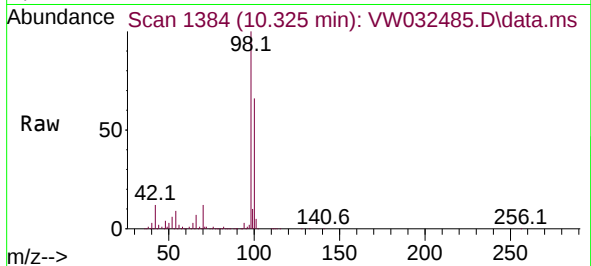




#50
Toluene-d8
Concen: 43.491 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

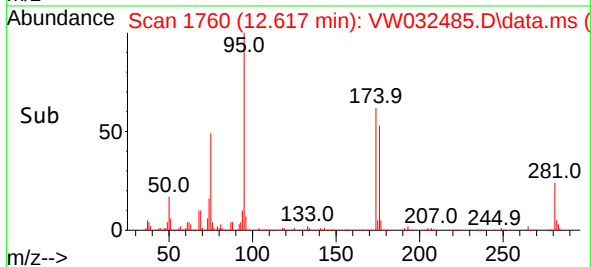
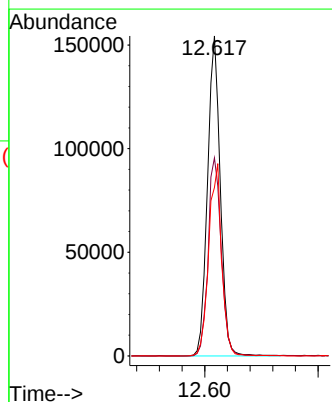
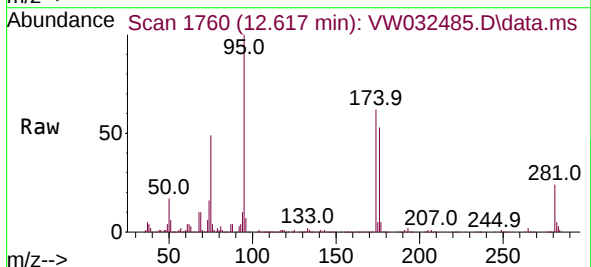
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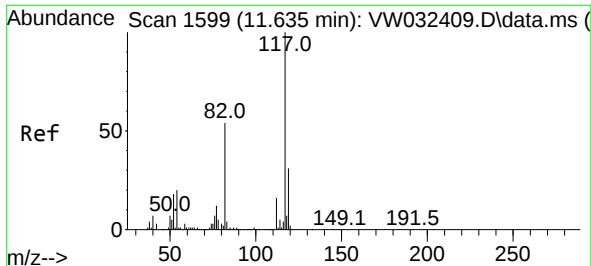
Tgt Ion: 98 Resp: 533491
Ion Ratio Lower Upper
98 100
100 67.0 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 52.144 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

Tgt Ion: 95 Resp: 241626
Ion Ratio Lower Upper
95 100
174 63.6 0.0 135.4
176 60.6 0.0 131.8

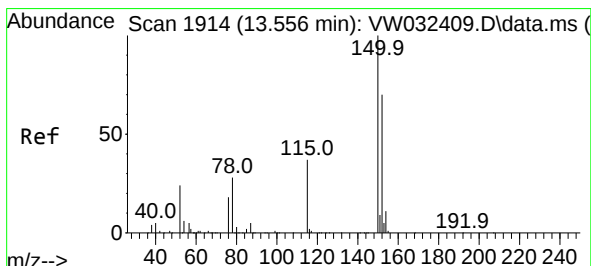
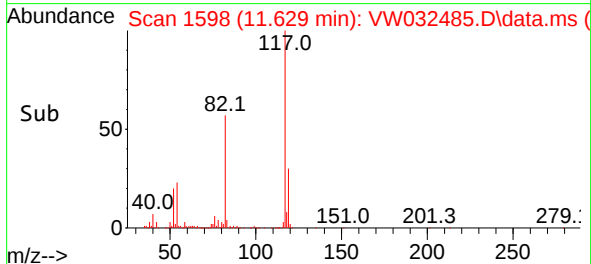
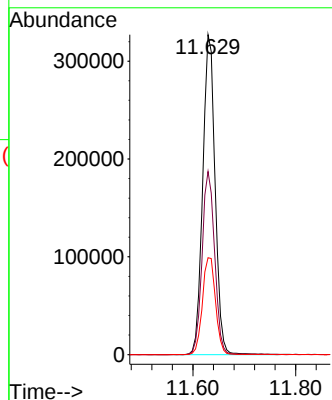
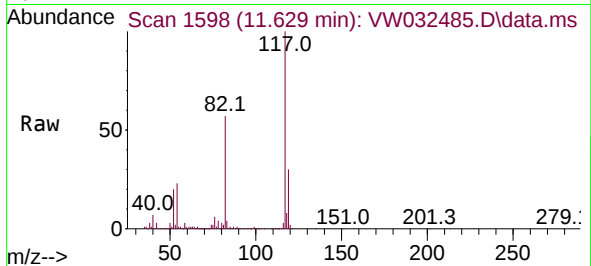




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032485.D
Acq: 18 Nov 2025 16:36

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MSVOA_W
ClientSampleId :
B3-0.5-1.0-20251117

Tgt Ion:117 Resp: 544672
Ion Ratio Lower Upper
117 100
82 57.2 43.0 64.4
119 30.2 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: VW032485.D
Acq: 18 Nov 2025 16:36

Tgt Ion:152 Resp: 237264
Ion Ratio Lower Upper
152 100
115 65.3 32.8 98.3
150 154.1 0.0 356.6

