

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032494.D
 Acq On : 19 Nov 2025 12:08
 Operator : SY/MD
 Sample : Q3619-17
 Misc : 6.15g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-B4(8-12)

Quant Time: Nov 20 01:17:06 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	209757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	491644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	534544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	291639	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	163763	60.557	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	121.120%
35) Dibromofluoromethane	7.898	113	153289	52.076	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	104.160%
50) Toluene-d8	10.325	98	514768	45.585	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.160%
62) 4-Bromofluorobenzene	12.617	95	263649	61.804	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	123.600%

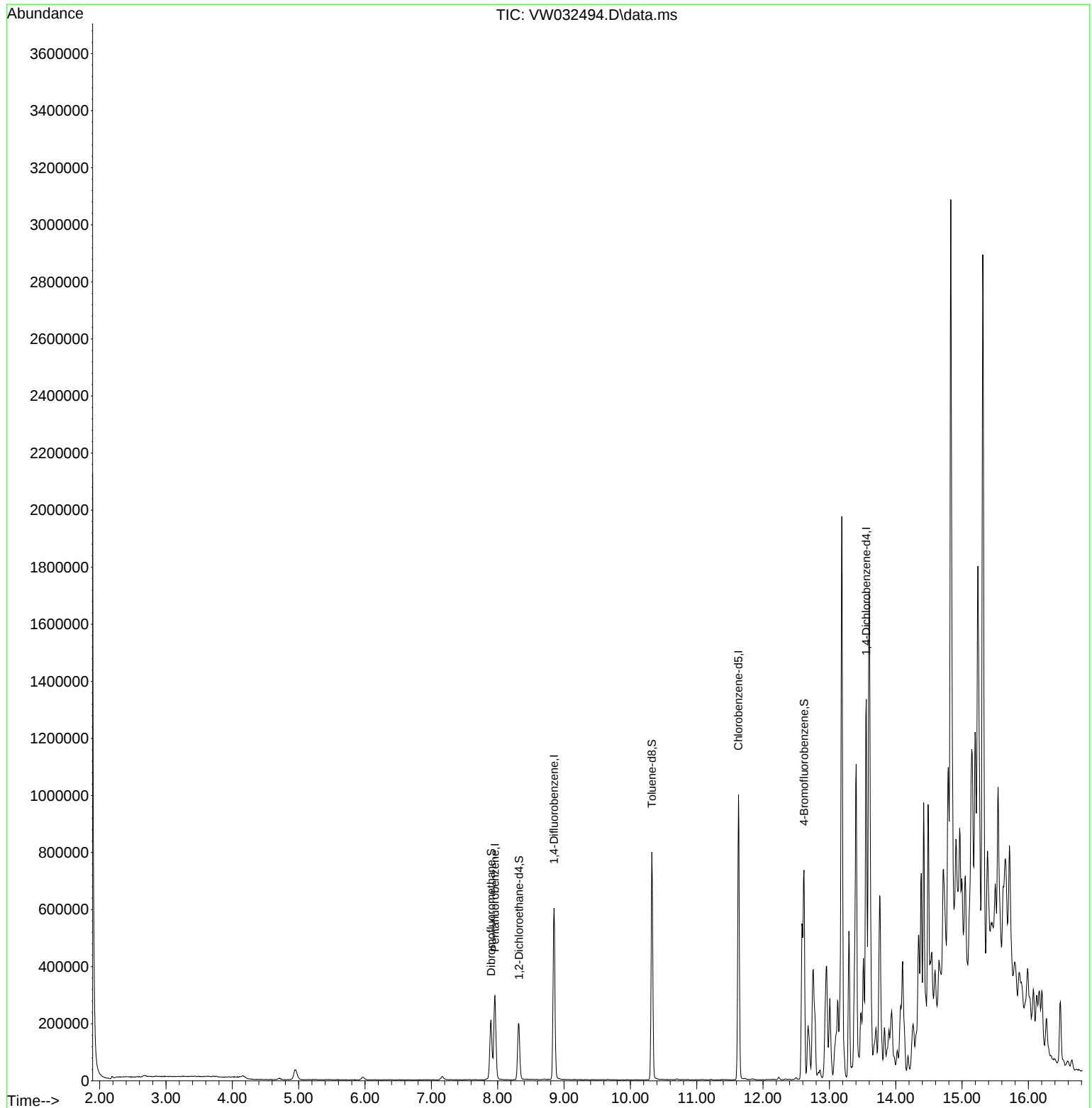
Target Compounds	Qvalue

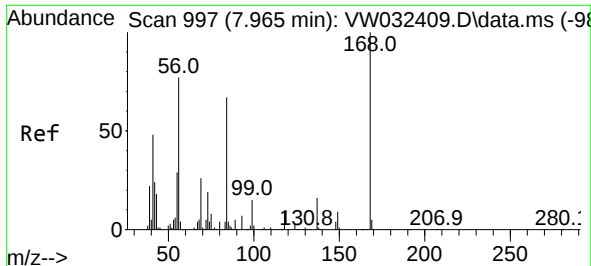
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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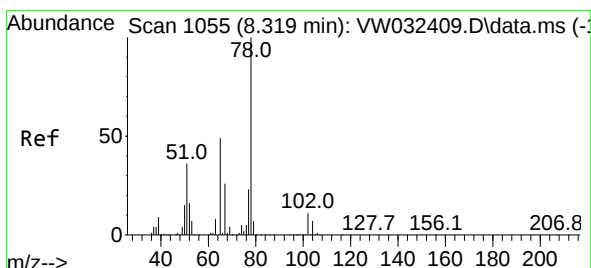
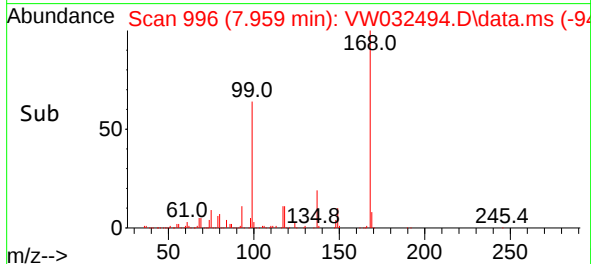
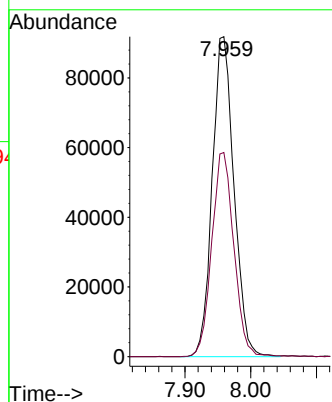
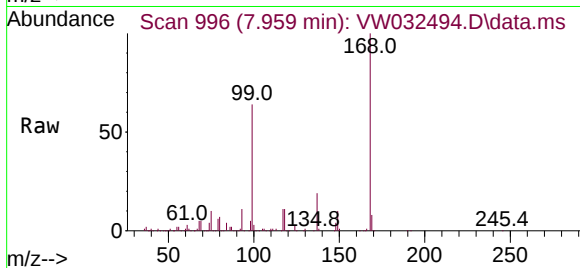




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

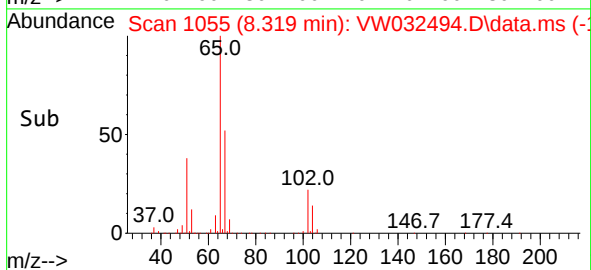
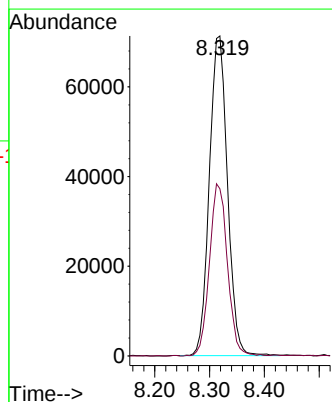
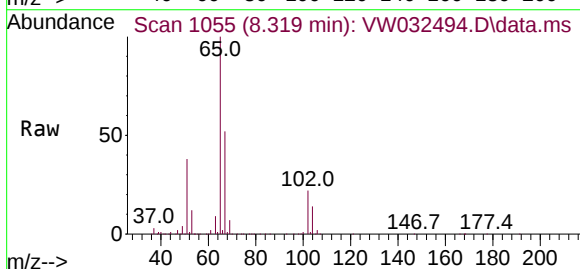
Instrument :
MSVOA_W
ClientSampleId :
GP-B4(8-12)

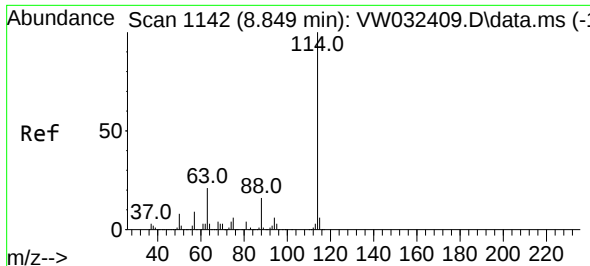
Tgt Ion:168 Resp: 209757
Ion Ratio Lower Upper
168 100
99 63.8 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 60.557 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

Tgt Ion: 65 Resp: 163763
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8

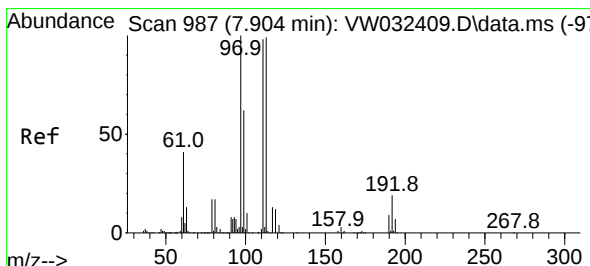
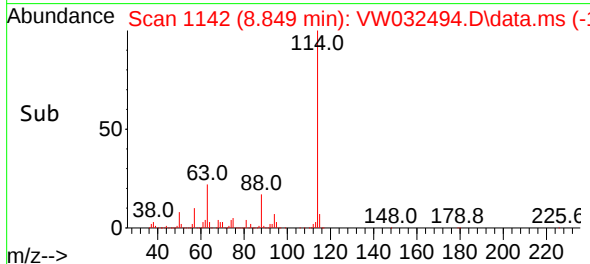
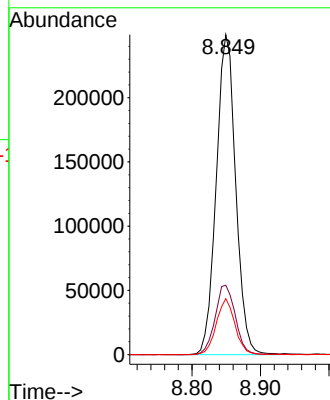
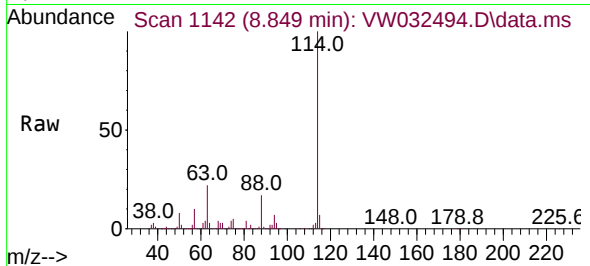




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

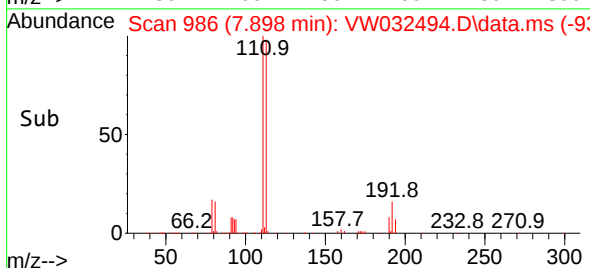
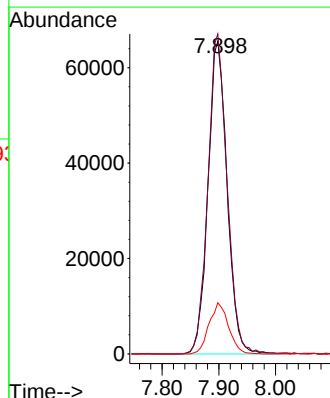
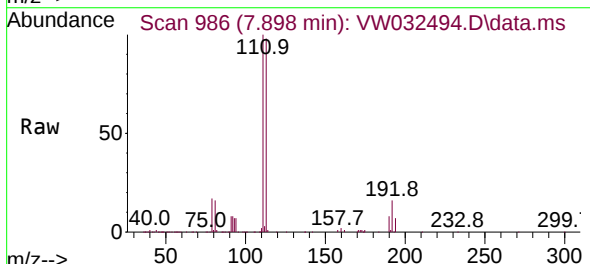
Instrument :
MSVOA_W
ClientSampleId :
GP-B4(8-12)

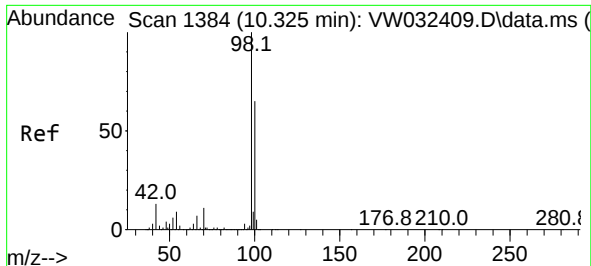
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.8
88	17.5	0.0	32.6



#35
Dibromofluoromethane
Concen: 52.076 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.1	124.7
192	16.7	13.4	20.2

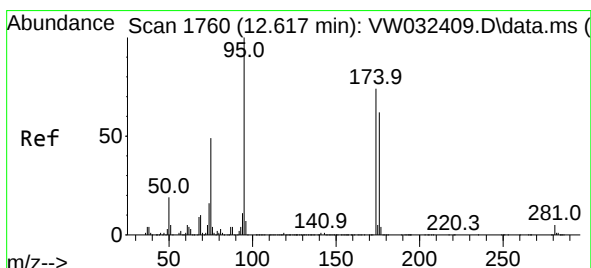
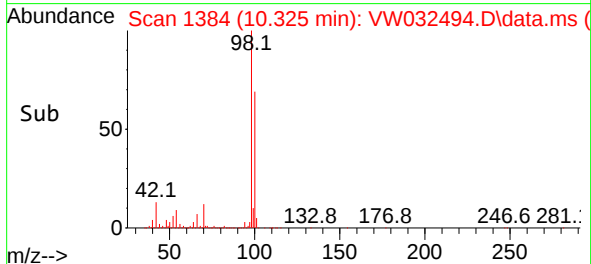
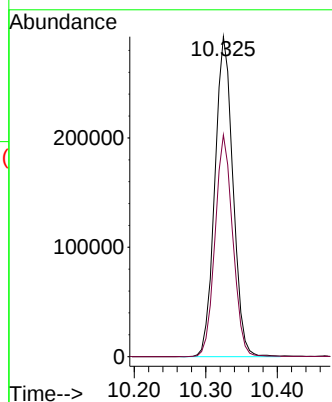
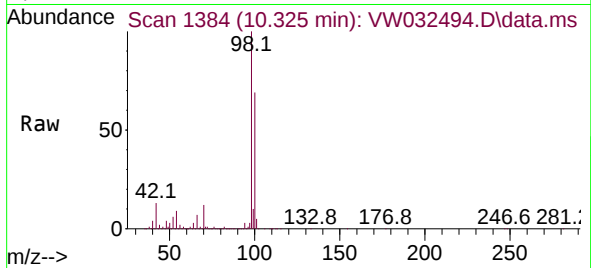




#50
Toluene-d8
Concen: 45.585 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

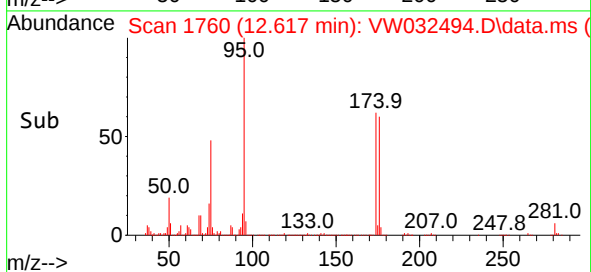
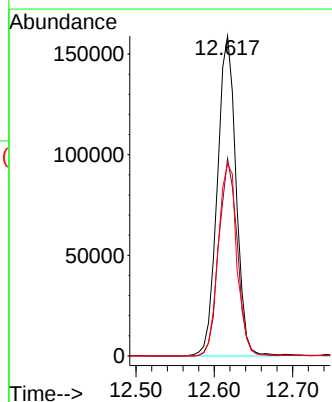
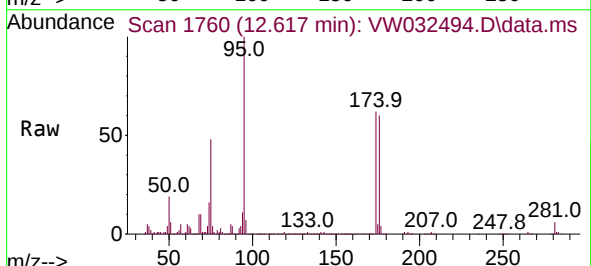
Instrument :
MSVOA_W
ClientSampleId :
GP-B4(8-12)

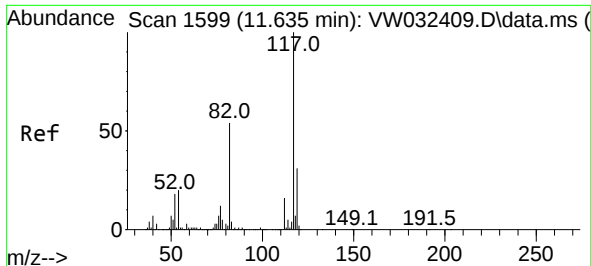
Tgt Ion: 98 Resp: 514768
Ion Ratio Lower Upper
98 100
100 67.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 61.804 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

Tgt Ion: 95 Resp: 263649
Ion Ratio Lower Upper
95 100
174 60.8 0.0 135.4
176 60.5 0.0 131.8

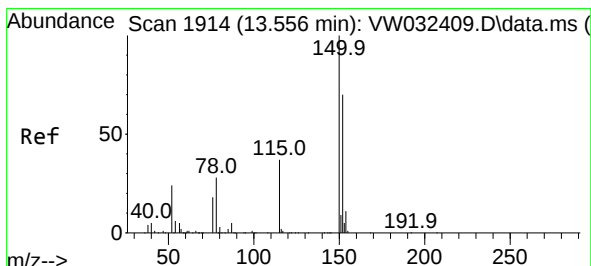
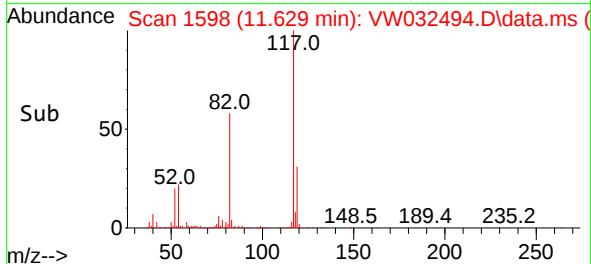
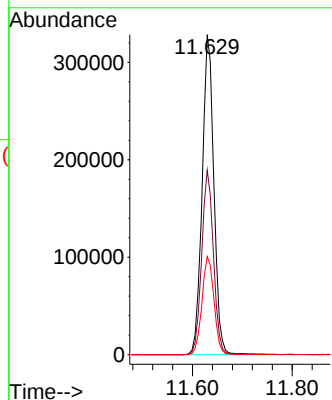
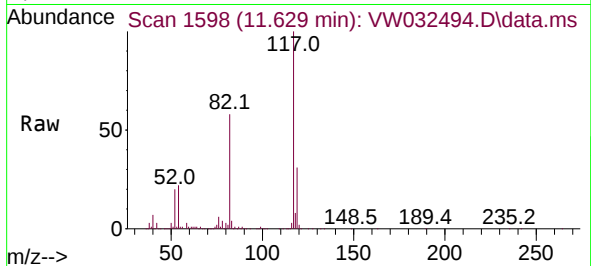




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032494.D
Acq: 19 Nov 2025 12:08

Instrument :
MSVOA_W
ClientSampleId :
GP-B4(8-12)

Tgt Ion:117 Resp: 534544
Ion Ratio Lower Upper
117 100
82 57.7 43.0 64.4
119 30.6 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: VW032494.D
Acq: 19 Nov 2025 12:08

Tgt Ion:152 Resp: 291639
Ion Ratio Lower Upper
152 100
115 61.8 32.8 98.3
150 159.6 0.0 356.6

