

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032500.D
 Acq On : 19 Nov 2025 14:20
 Operator : SY/MD
 Sample : Q3664-01
 Misc : 5.06g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0001

Quant Time: Nov 20 01:19:01 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)

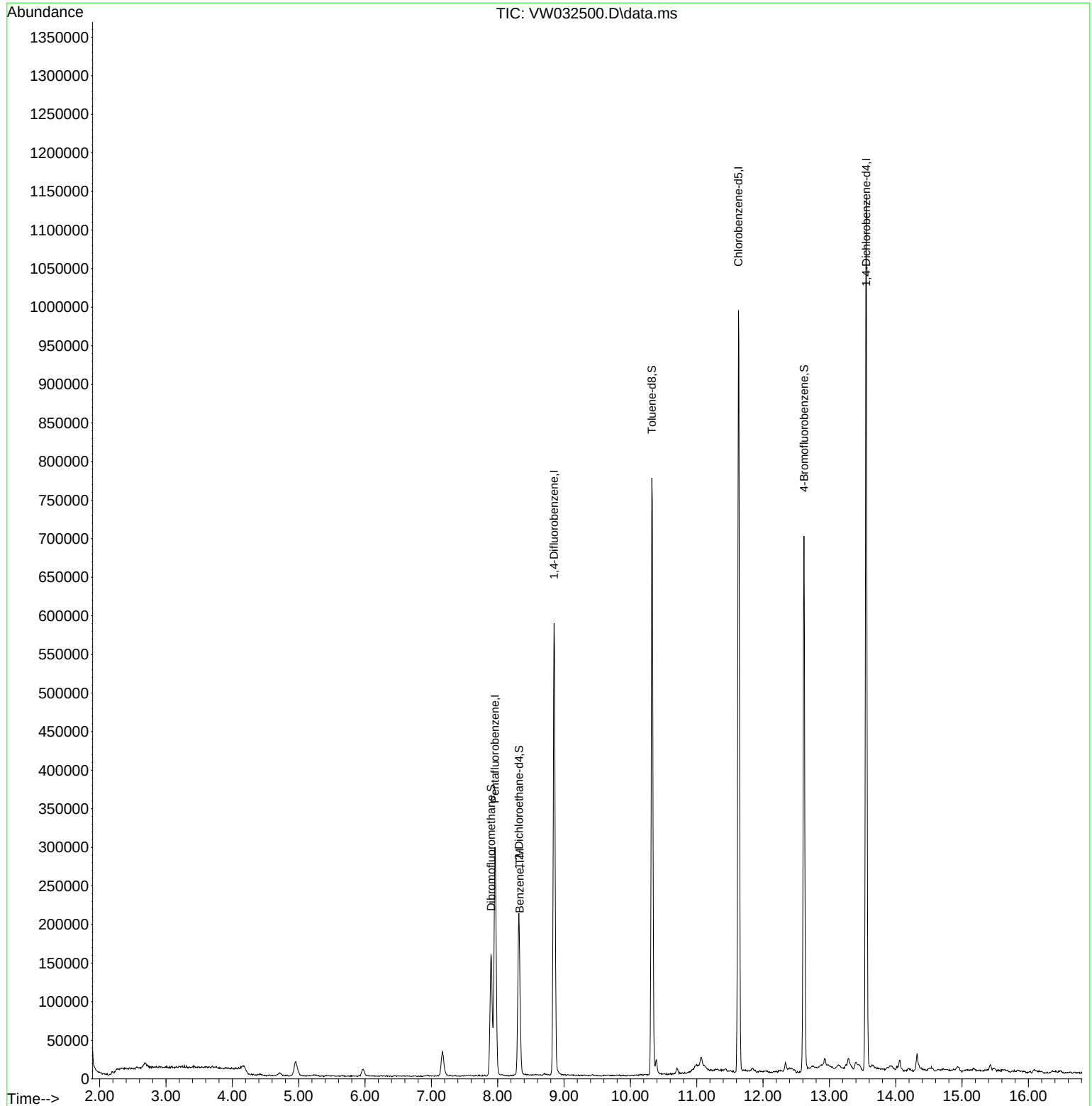
Internal Standards						
1) Pentafluorobenzene	7.959	168	214587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	486578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	551059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	281844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	159653	57.709	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	115.420%	
35) Dibromofluoromethane	7.898	113	116893	40.124	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	80.240%	
50) Toluene-d8	10.325	98	512116	45.822	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	91.640%	
62) 4-Bromofluorobenzene	12.617	95	243456	57.665	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	115.320%	
Target Compounds						
40) Benzene	8.331	78	19884	1.438	ug/l	Qvalue 99

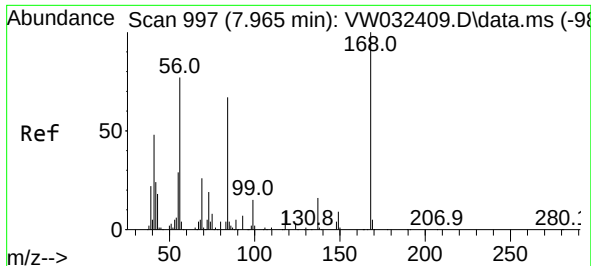
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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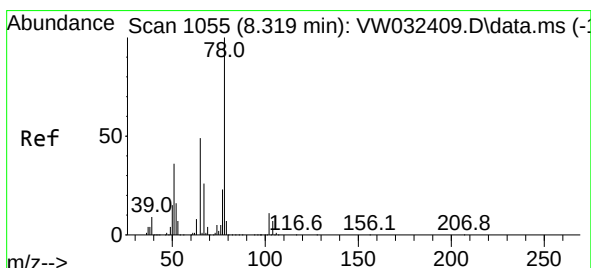
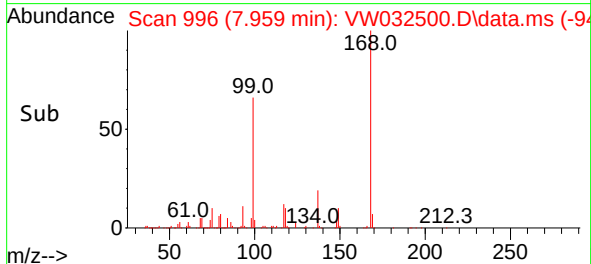
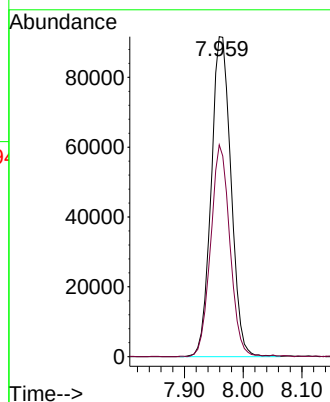
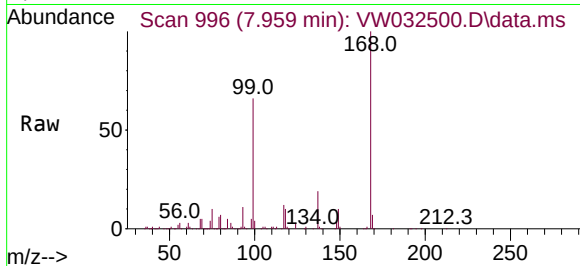




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032500.D
Acq: 19 Nov 2025 14:20

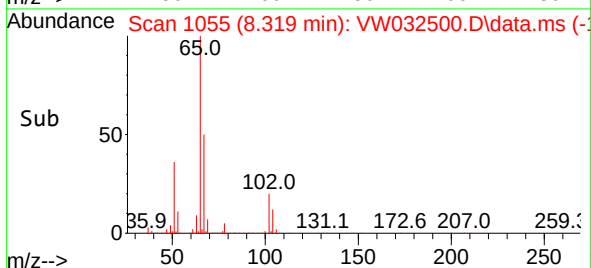
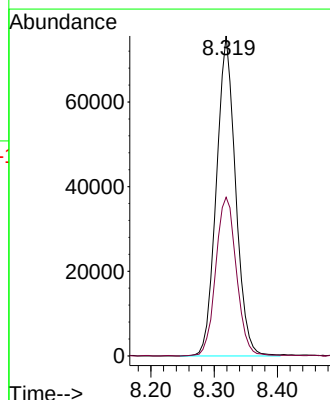
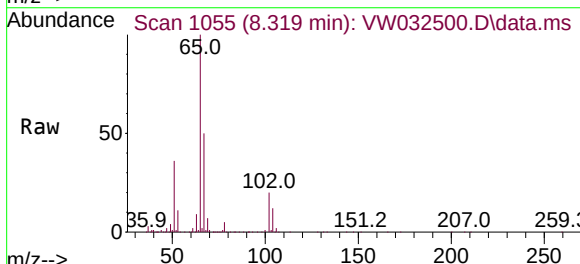
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0001

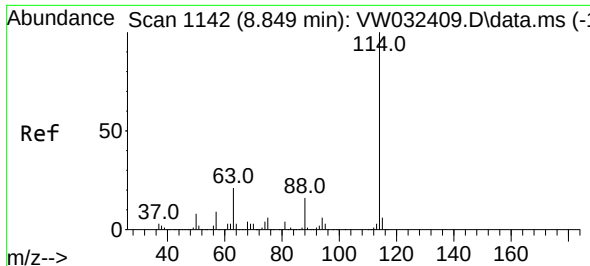
Tgt Ion:168 Resp: 214587
Ion Ratio Lower Upper
168 100
99 66.0 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 57.709 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032500.D
Acq: 19 Nov 2025 14:20

Tgt Ion: 65 Resp: 159653
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8

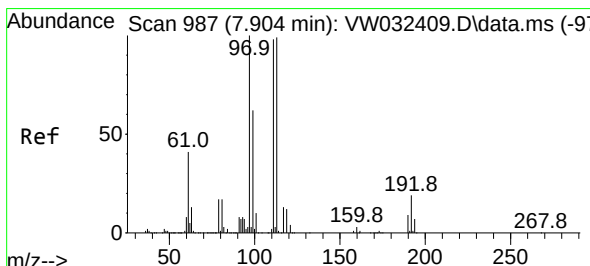
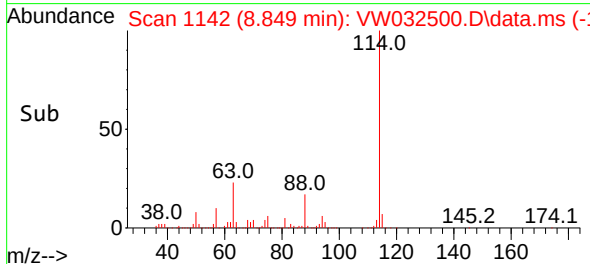
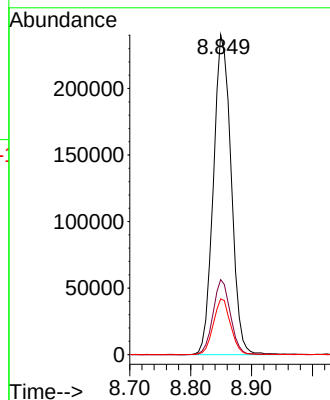
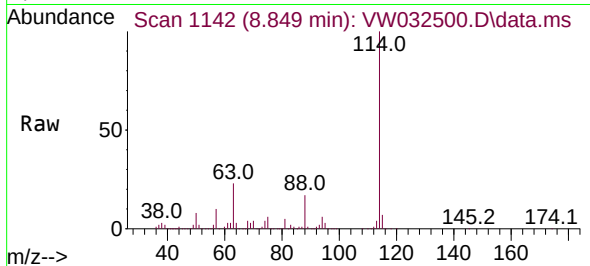




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032500.D
Acq: 19 Nov 2025 14:20

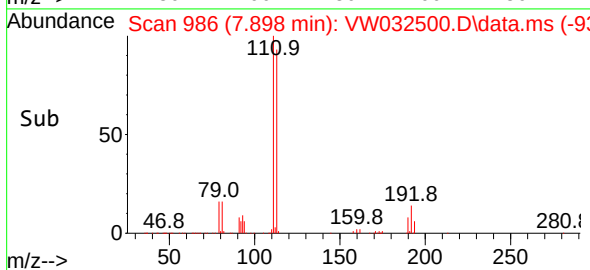
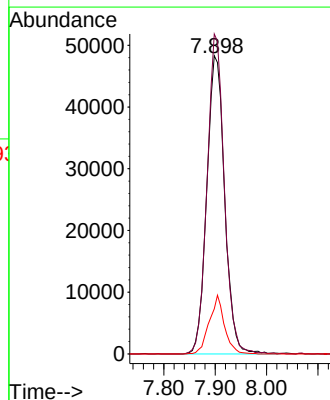
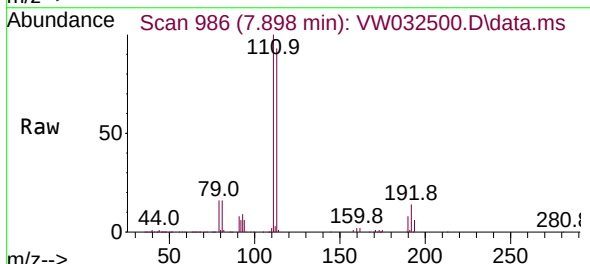
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0001

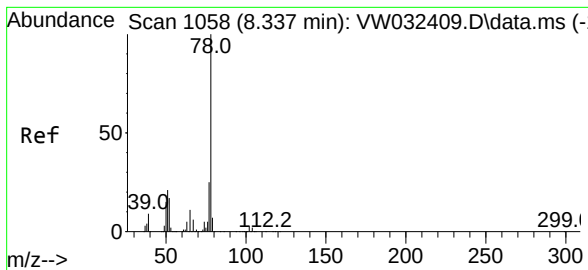
Tgt Ion:114	Resp:	486578
Ion	Ratio	Lower Upper
114	100	
63	23.4	0.0 41.8
88	17.4	0.0 32.6



#35
Dibromofluoromethane
Concen: 40.124 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032500.D
Acq: 19 Nov 2025 14:20

Tgt Ion:113	Resp:	116893
Ion	Ratio	Lower Upper
113	100	
111	103.3	83.1 124.7
192	16.7	13.4 20.2

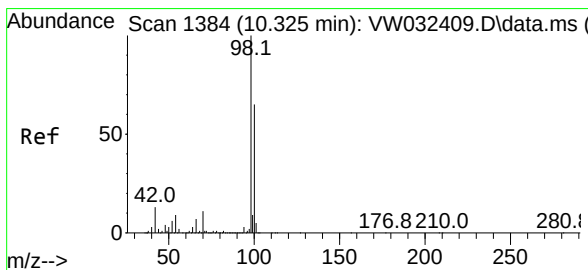
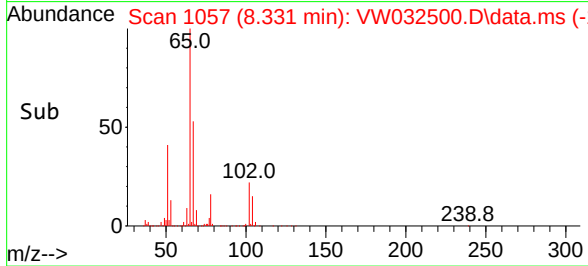
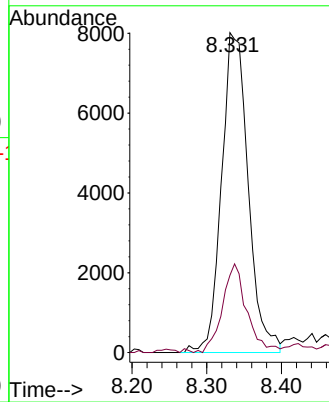
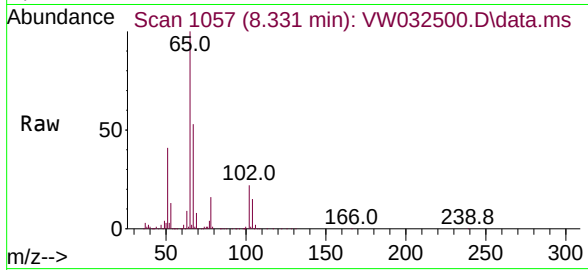




#40
Benzene
Concen: 1.438 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW032500.D
Acq: 19 Nov 2025 14:20

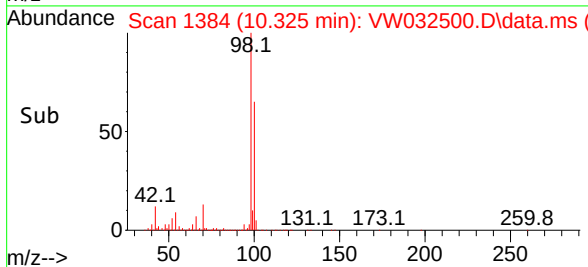
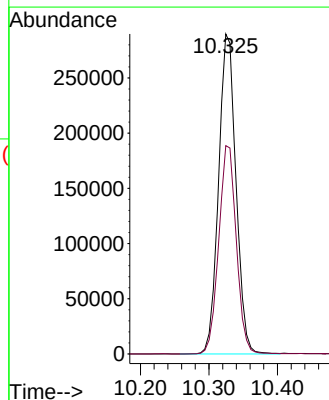
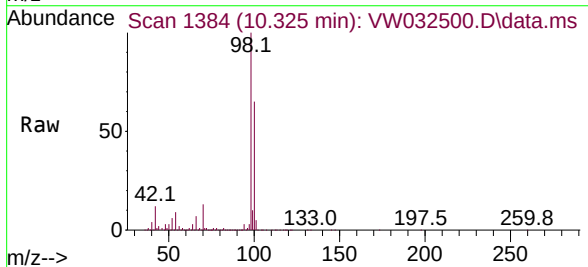
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0001

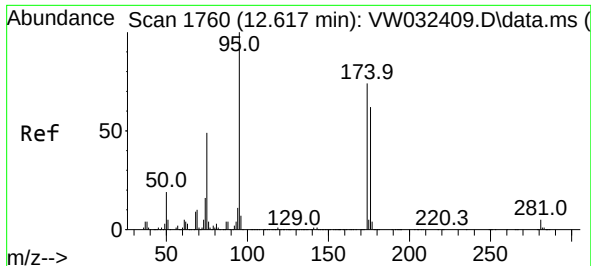
Tgt Ion: 78 Resp: 19884
Ion Ratio Lower Upper
78 100
77 24.2 19.6 29.4



#50
Toluene-d8
Concen: 45.822 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032500.D
Acq: 19 Nov 2025 14:20

Tgt Ion: 98 Resp: 512116
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9

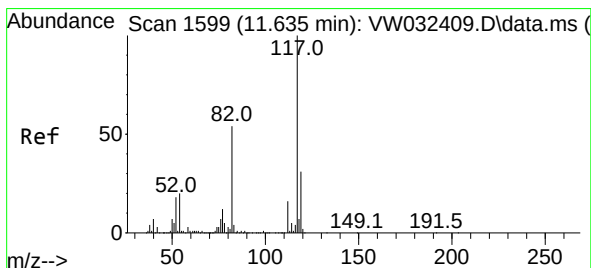
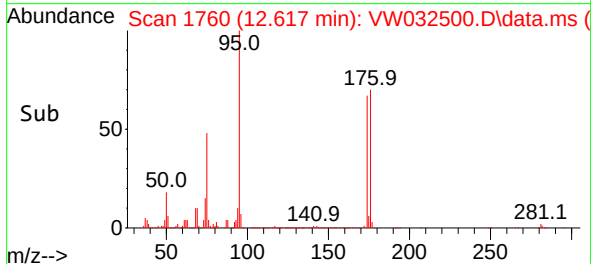
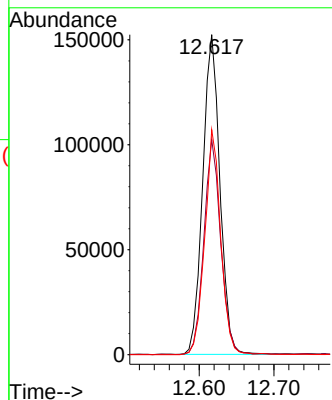
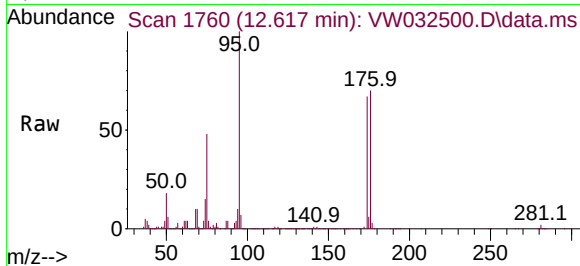




#62
4-Bromofluorobenzene
Concen: 57.665 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032500.D
Acq: 19 Nov 2025 14:20

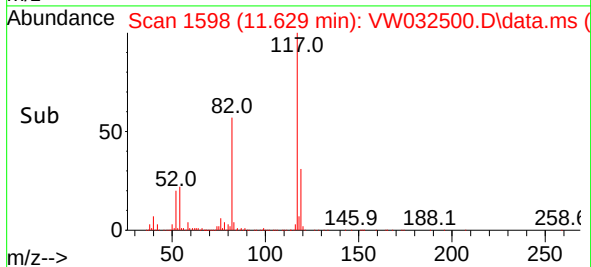
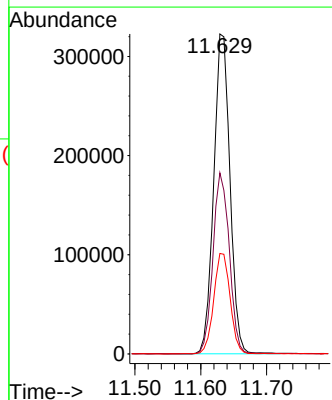
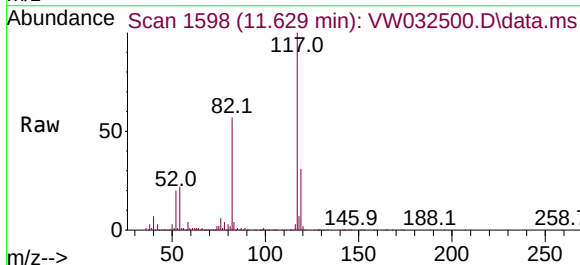
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0001

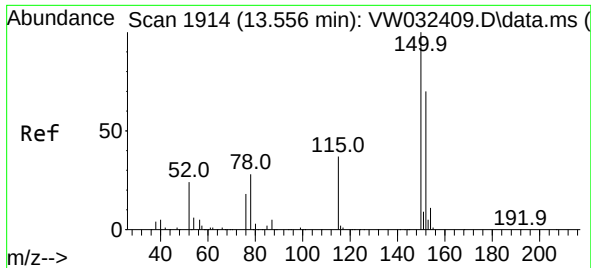
Tgt Ion: 95 Resp: 243456
Ion Ratio Lower Upper
95 100
174 66.1 0.0 135.4
176 65.3 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032500.D
Acq: 19 Nov 2025 14:20

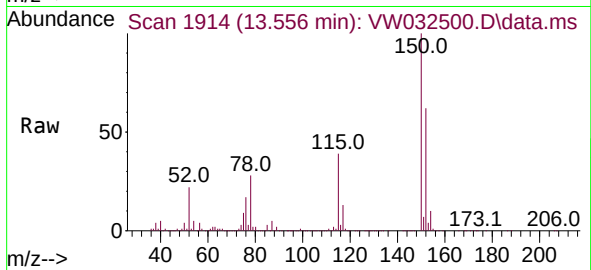
Tgt Ion: 117 Resp: 551059
Ion Ratio Lower Upper
117 100
82 56.6 43.0 64.4
119 31.3 25.0 37.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032500.D
 Acq: 19 Nov 2025 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0001



Tgt Ion:	152	Resp:	281844
Ion	Ratio	Lower	Upper
152	100		
115	63.8	32.8	98.3
150	161.8	0.0	356.6

