

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032161.D
 Acq On : 28 Aug 2025 15:30
 Operator : SY/MD
 Sample : Q2979-03
 Misc : 5.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-B

Quant Time: Aug 29 01:20:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

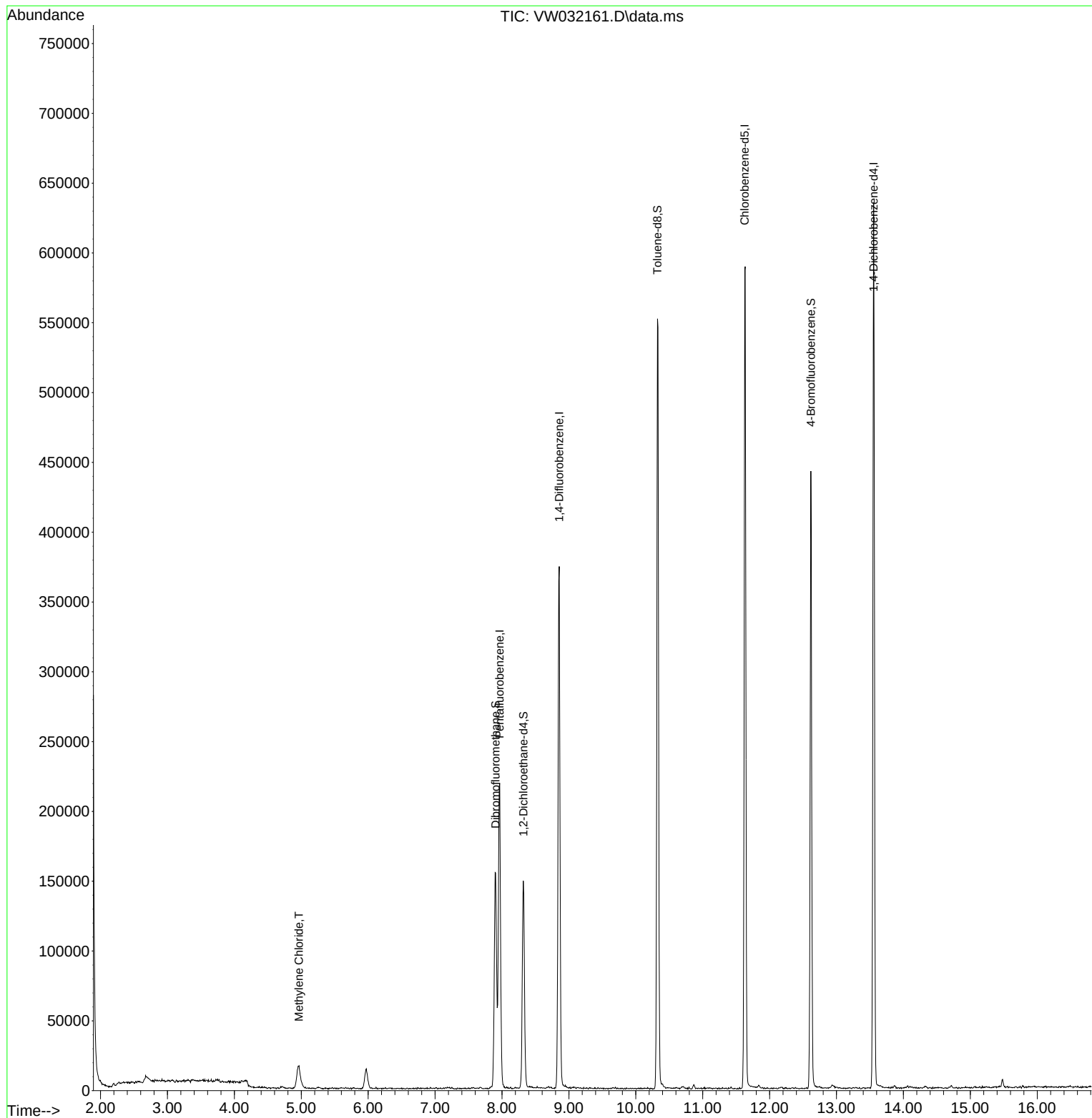
Internal Standards						
1) Pentafluorobenzene	7.965	168	154806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	307643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	316956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	157355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	125363	56.625	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	113.240%	
35) Dibromofluoromethane	7.904	113	109844	50.891	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	101.780%	
50) Toluene-d8	10.325	98	366704	48.397	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	96.800%	
62) 4-Bromofluorobenzene	12.617	95	139180	49.674	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	99.340%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.966	84	15472	4.374	ug/l	92

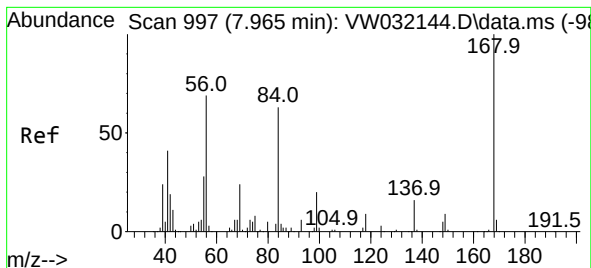
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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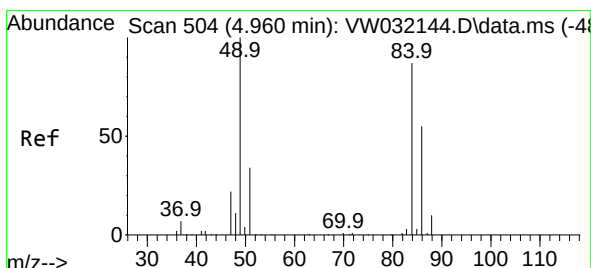
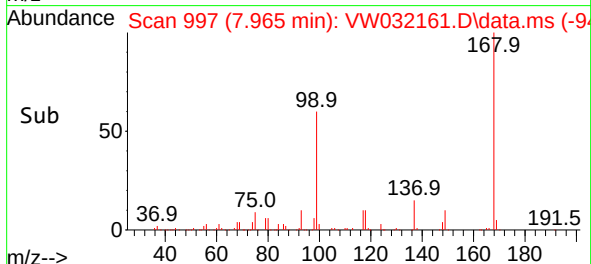
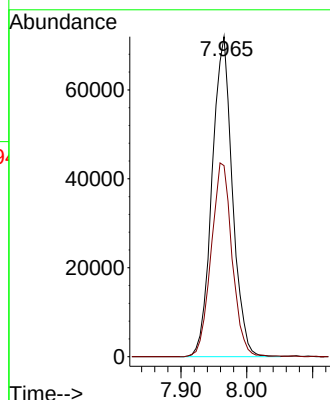
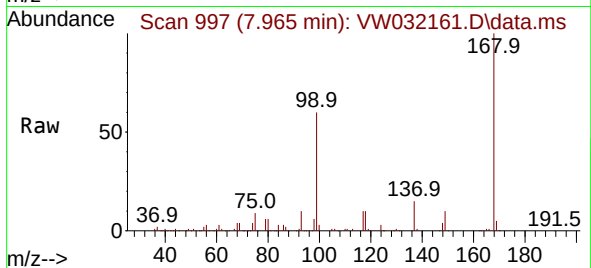




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032161.D
Acq: 28 Aug 2025 15:30

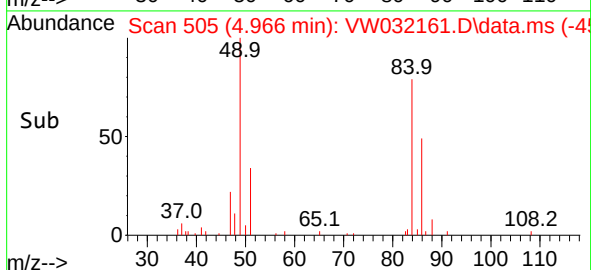
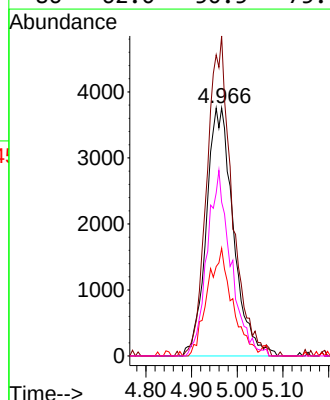
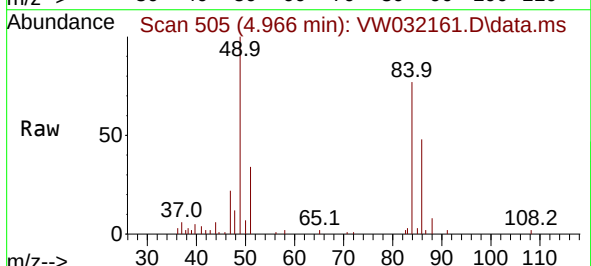
Instrument :
MSVOA_W
ClientSampleId :
SP-B

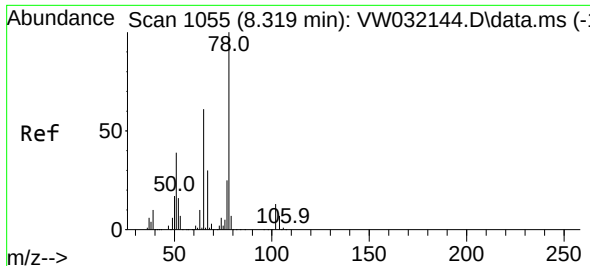
Tgt Ion:168 Resp: 154806
Ion Ratio Lower Upper
168 100
99 59.7 49.3 73.9



#20
Methylene Chloride
Concen: 4.374 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.006 min
Lab File: VW032161.D
Acq: 28 Aug 2025 15:30

Tgt Ion: 84 Resp: 15472
Ion Ratio Lower Upper
84 100
49 129.0 92.2 138.4
51 43.4 31.0 46.6
86 62.0 50.5 75.7





#33

1,2-Dichloroethane-d4

Concen: 56.625 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032161.D

Acq: 28 Aug 2025 15:30

Instrument :

MSVOA_W

ClientSampleId :

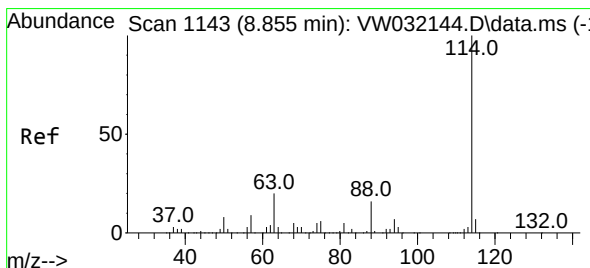
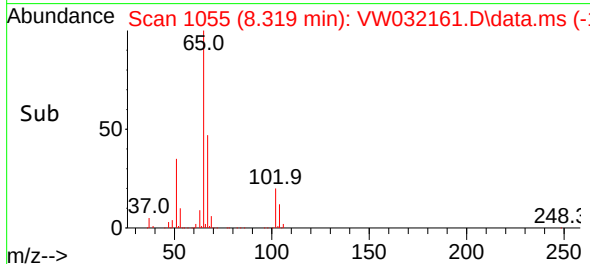
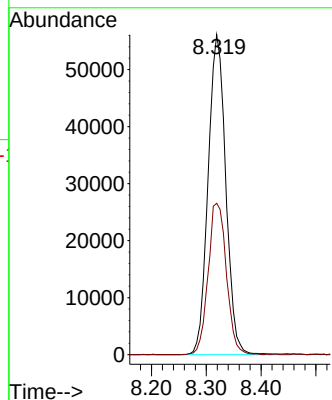
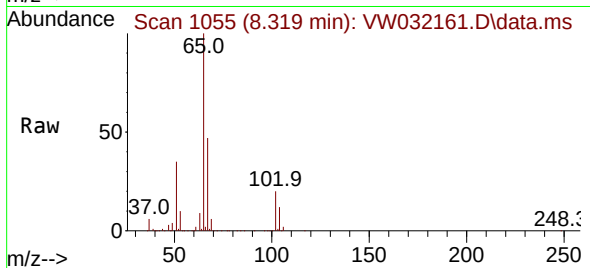
SP-B

Tgt Ion: 65 Resp: 125363

Ion Ratio Lower Upper

65 100

67 49.0 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032161.D

Acq: 28 Aug 2025 15:30

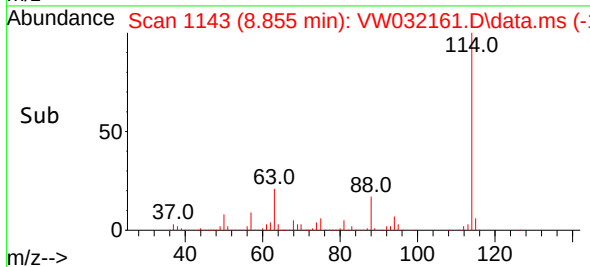
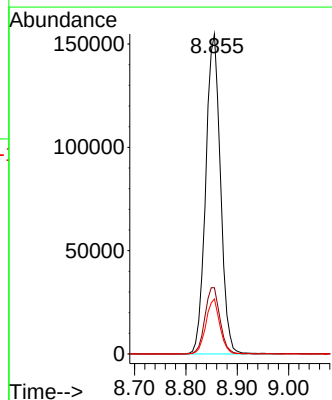
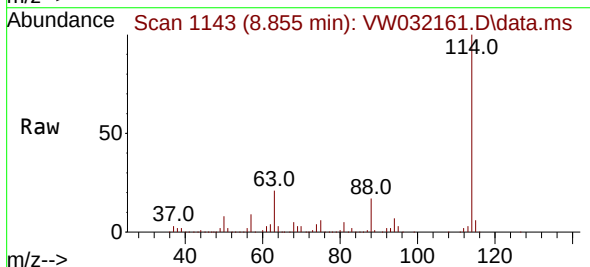
Tgt Ion: 114 Resp: 307643

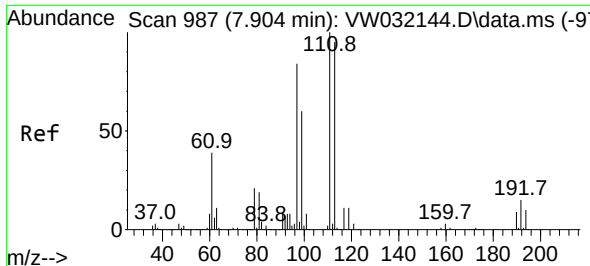
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.4

88 17.2 0.0 32.0

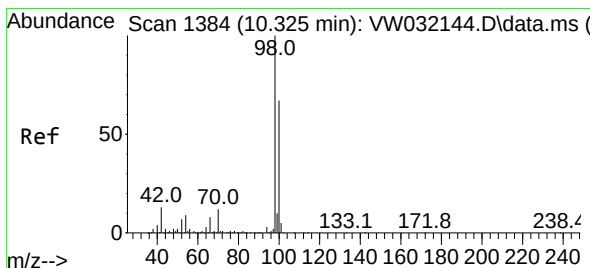
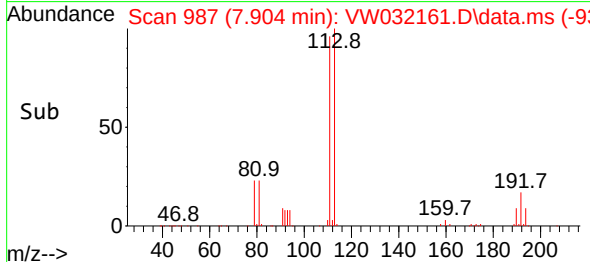
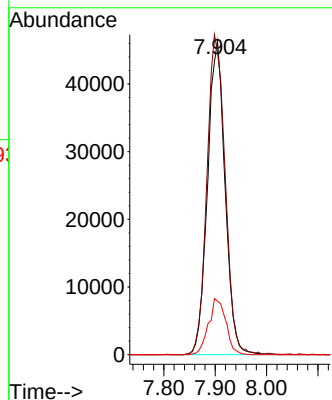
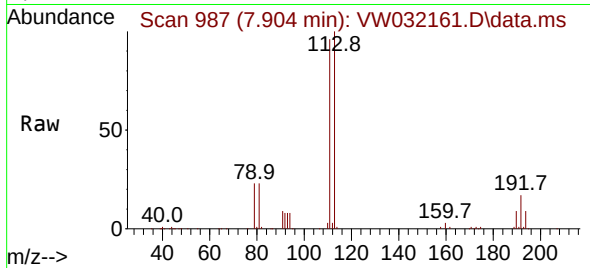




#35
 Dibromofluoromethane
 Concen: 50.891 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VW032161.D
 Acq: 28 Aug 2025 15:30

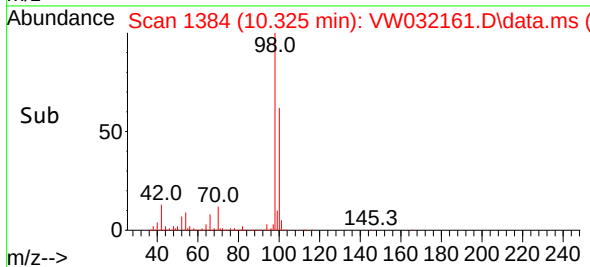
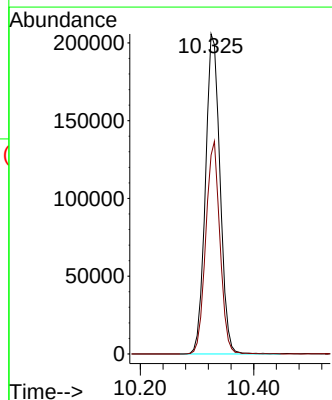
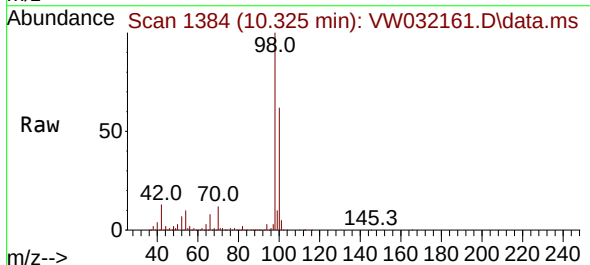
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-B

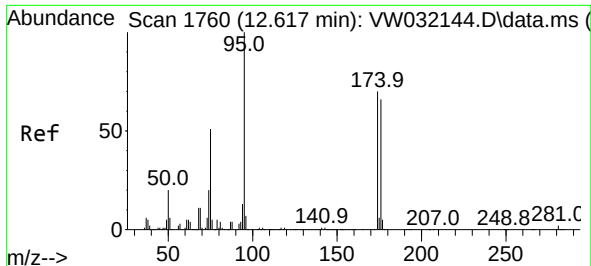
Tgt Ion:113 Resp: 109844
 Ion Ratio Lower Upper
 113 100
 111 105.6 83.9 125.9
 192 17.7 14.6 21.8



#50
 Toluene-d8
 Concen: 48.397 ug/l
 RT: 10.325 min Scan# 1384
 Delta R.T. -0.000 min
 Lab File: VW032161.D
 Acq: 28 Aug 2025 15:30

Tgt Ion: 98 Resp: 366704
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.4 77.2

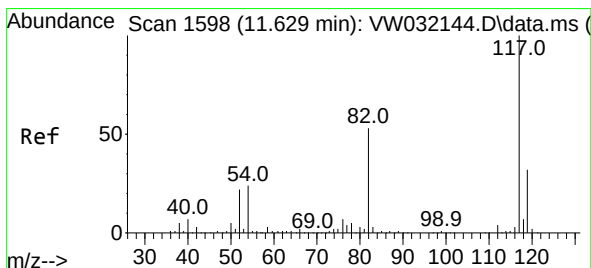
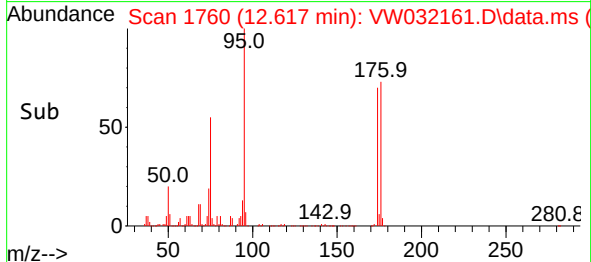
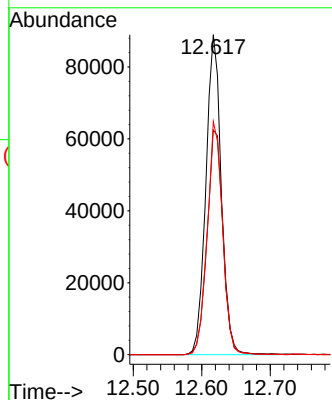
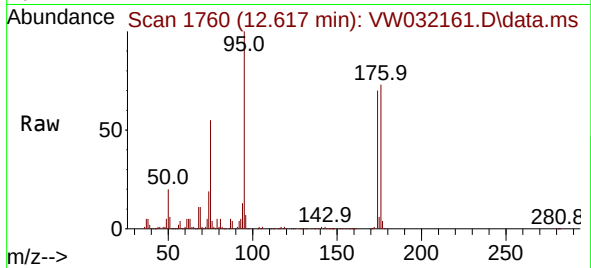




#62
4-Bromofluorobenzene
Concen: 49.674 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032161.D
Acq: 28 Aug 2025 15:30

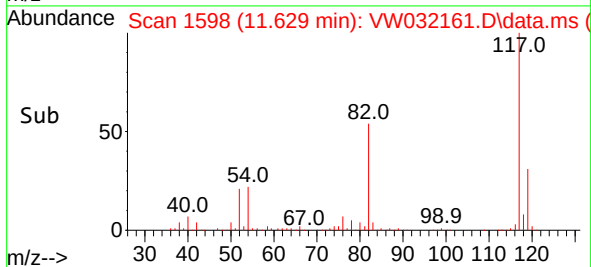
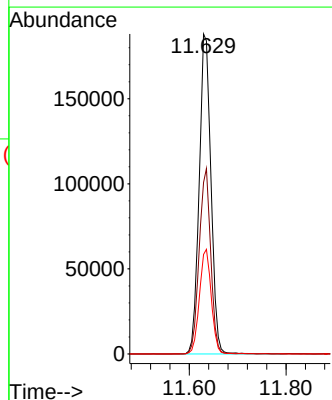
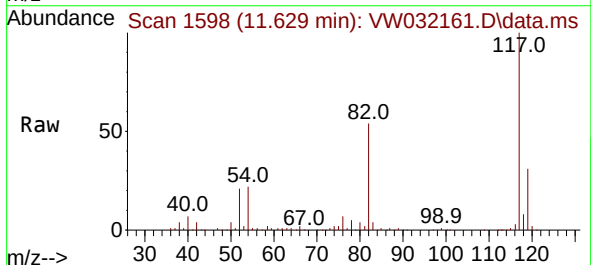
Instrument :
MSVOA_W
ClientSampleId :
SP-B

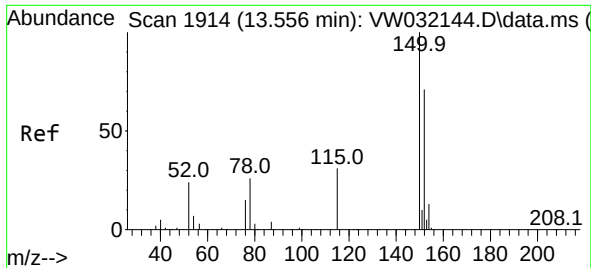
Tgt Ion: 95 Resp: 139180
Ion Ratio Lower Upper
95 100
174 72.7 0.0 145.6
176 72.7 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032161.D
Acq: 28 Aug 2025 15:30

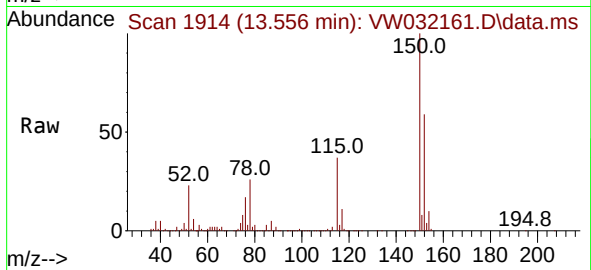
Tgt Ion: 117 Resp: 316956
Ion Ratio Lower Upper
117 100
82 53.6 42.7 64.1
119 31.1 25.2 37.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032161.D
 Acq: 28 Aug 2025 15:30

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-B



Tgt Ion:	152	Resp:	157355
Ion Ratio	Lower	Upper	
152	100		
115	61.2	31.8	95.4
150	160.4	0.0	343.0

