

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032451.D
 Acq On : 17 Nov 2025 12:43
 Operator : SY/MD
 Sample : Q3621-01
 Misc : 6.52g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-231

Quant Time: Nov 17 13:51:06 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)

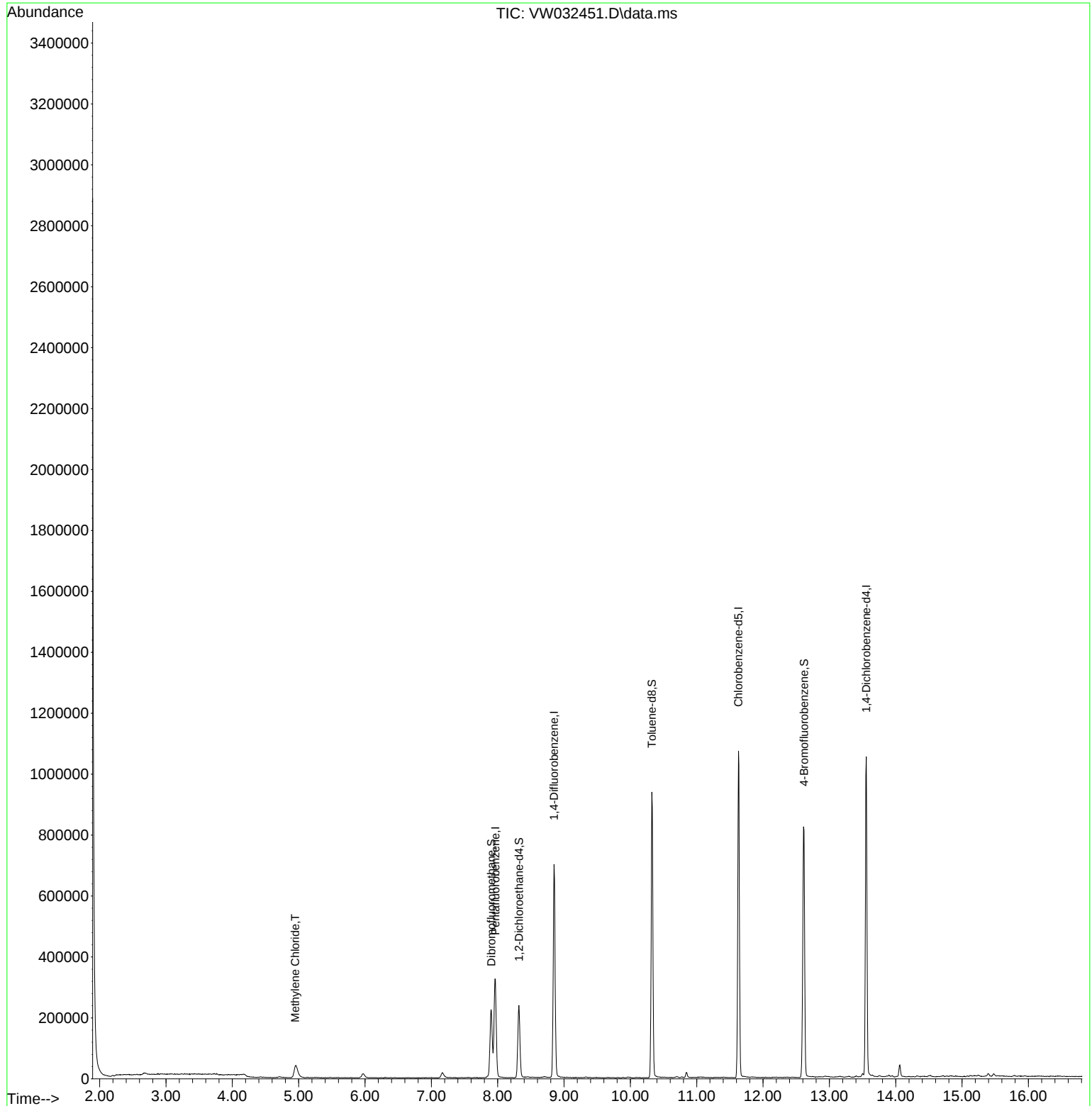
Internal Standards						
1) Pentafluorobenzene	7.965	168	236248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	567970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	592171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	273450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	188297	61.822	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 123.640%	
35) Dibromofluoromethane	7.904	113	173844	51.122	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 102.240%	
50) Toluene-d8	10.325	98	618683	47.424	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 94.840%	
62) 4-Bromofluorobenzene	12.617	95	253872	51.515	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 103.020%	
Target Compounds						Qvalue
20) Methylene Chloride	4.947	84	36467	11.190	ug/l	85

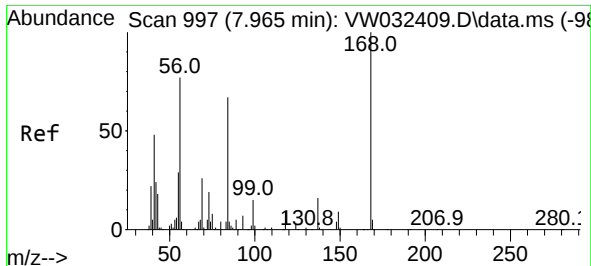
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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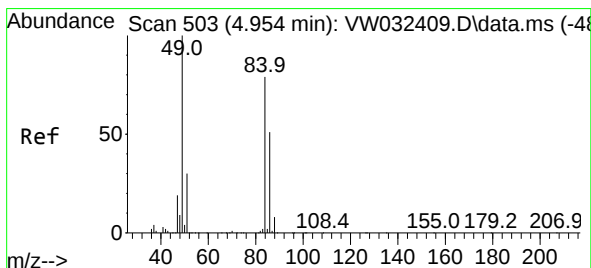
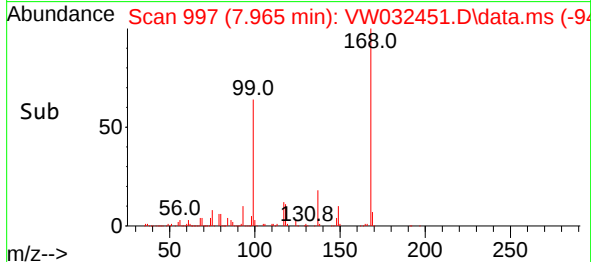
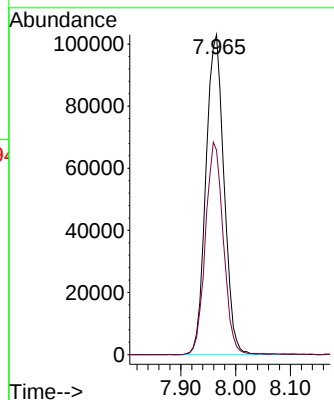
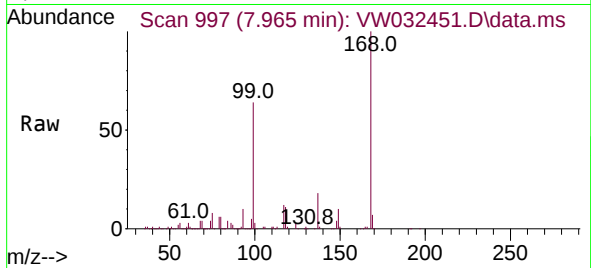




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032451.D
Acq: 17 Nov 2025 12:43

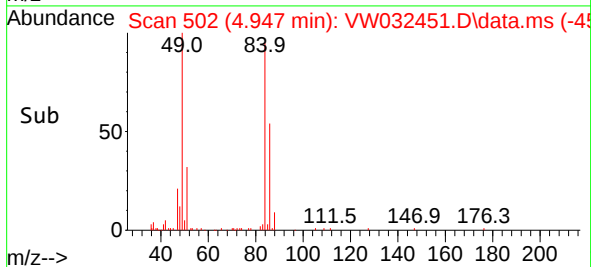
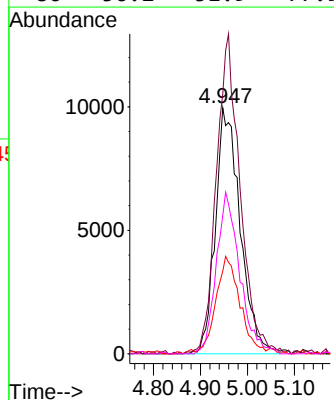
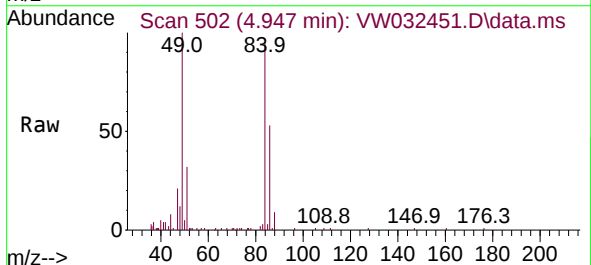
Instrument :
MSVOA_W
ClientSampleId :
VNJ-231

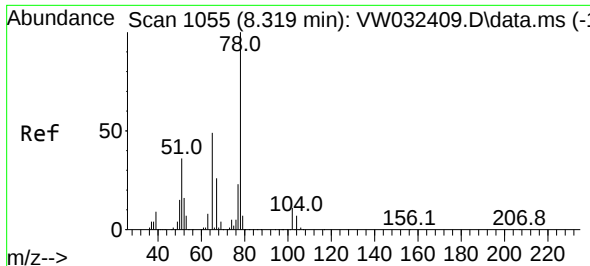
Tgt Ion:168 Resp: 236248
Ion Ratio Lower Upper
168 100
99 63.9 45.4 68.2



#20
Methylene Chloride
Concen: 11.190 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW032451.D
Acq: 17 Nov 2025 12:43

Tgt Ion: 84 Resp: 36467
Ion Ratio Lower Upper
84 100
49 104.8 101.5 152.3
51 32.9 30.6 46.0
86 56.2 51.9 77.9

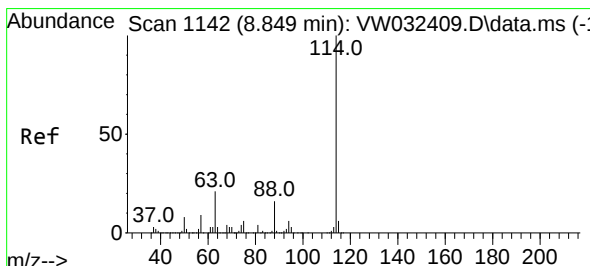
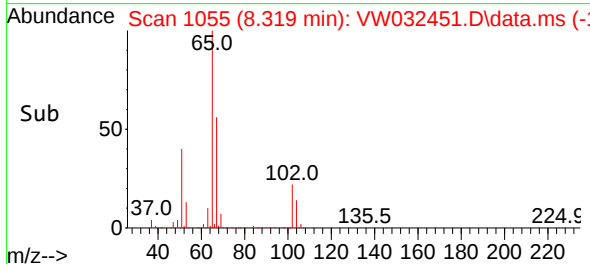
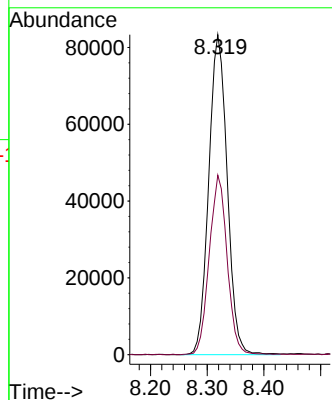
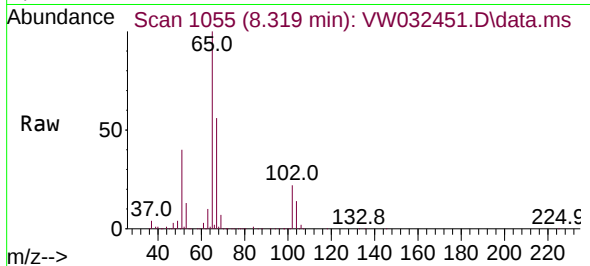




#33
 1,2-Dichloroethane-d4
 Concen: 61.822 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032451.D
 Acq: 17 Nov 2025 12:43

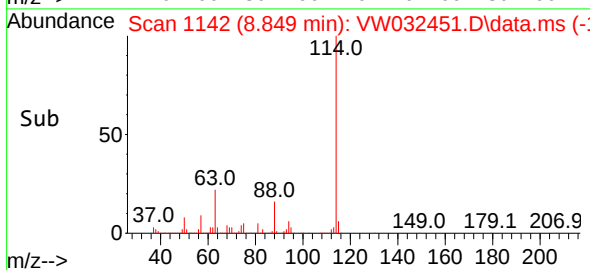
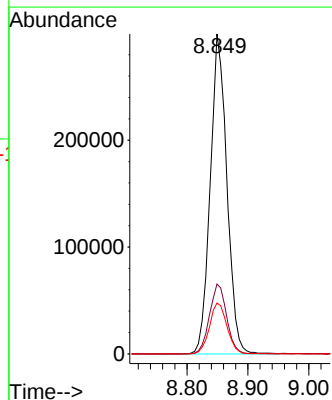
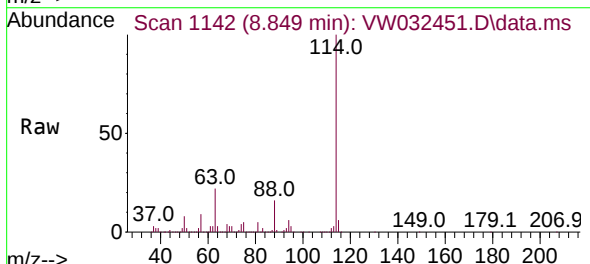
Instrument :
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 VNJ-231

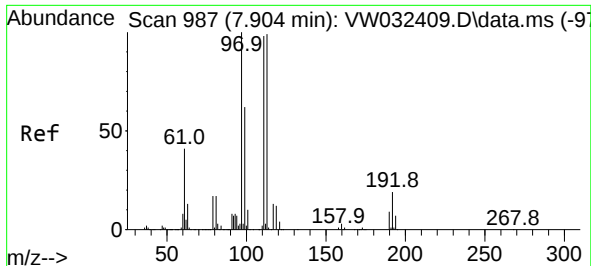
Tgt Ion: 65 Resp: 188297
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032451.D
 Acq: 17 Nov 2025 12:43

Tgt Ion: 114 Resp: 567970
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 41.8
 88 15.9 0.0 32.6

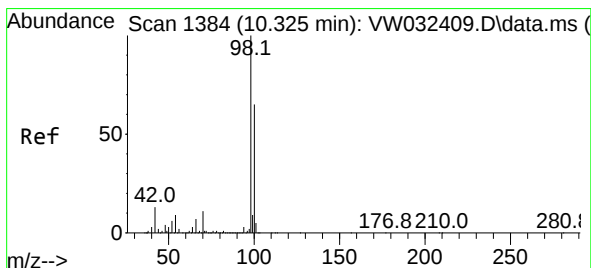
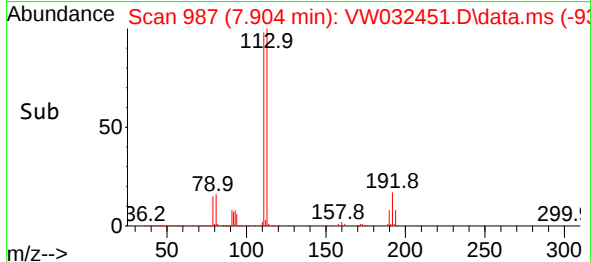
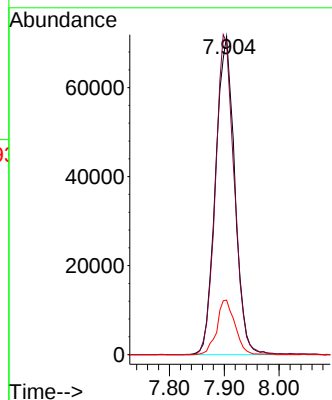
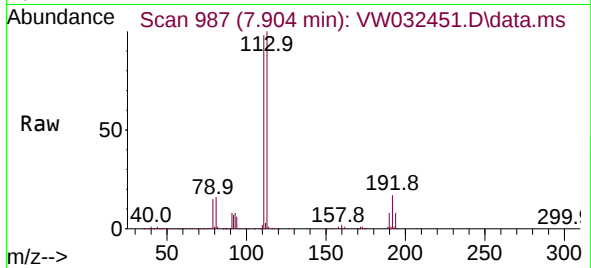




#35
Dibromofluoromethane
Concen: 51.122 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032451.D
Acq: 17 Nov 2025 12:43

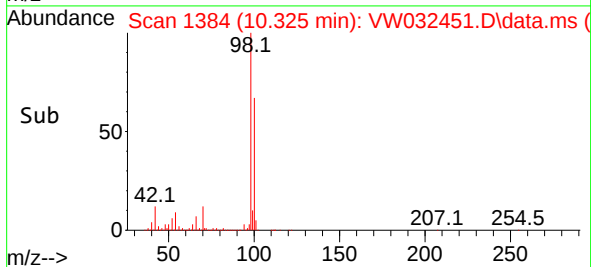
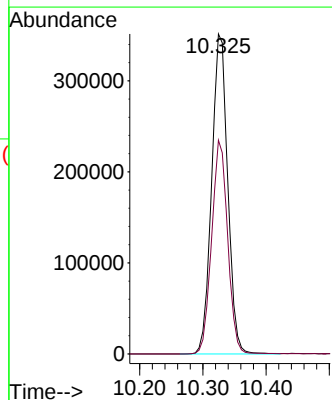
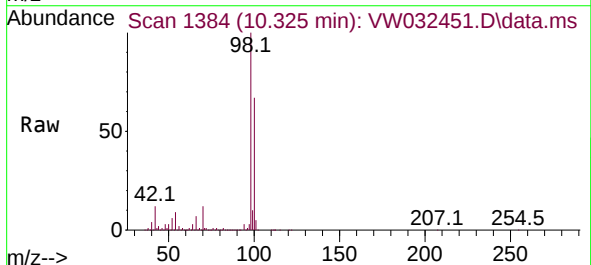
Instrument :
MSVOA_W
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VNJ-231

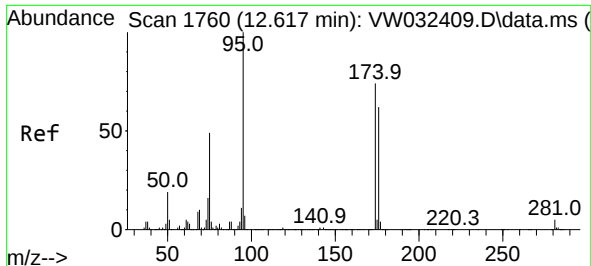
Tgt Ion:113 Resp: 173844
Ion Ratio Lower Upper
113 100
111 98.7 83.1 124.7
192 16.2 13.4 20.2



#50
Toluene-d8
Concen: 47.424 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032451.D
Acq: 17 Nov 2025 12:43

Tgt Ion: 98 Resp: 618683
Ion Ratio Lower Upper
98 100
100 66.8 53.3 79.9

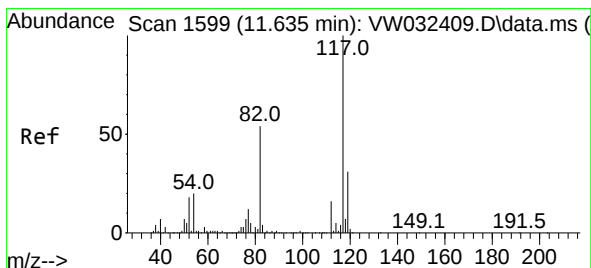
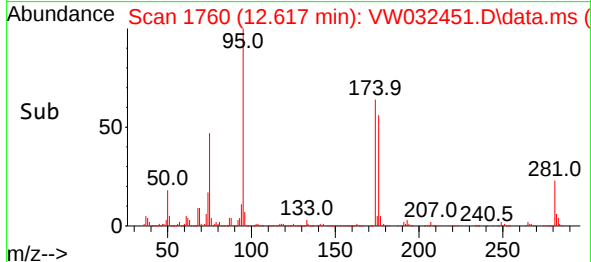
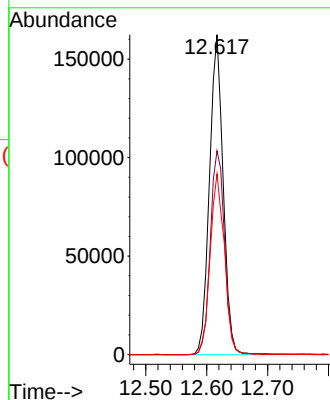
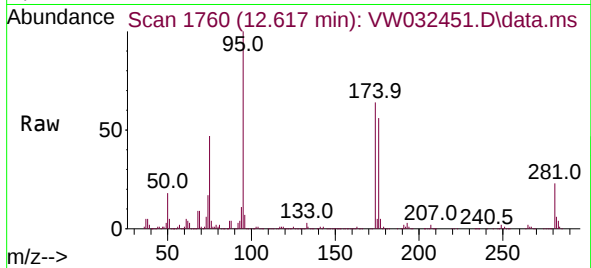




#62
4-Bromofluorobenzene
Concen: 51.515 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032451.D
Acq: 17 Nov 2025 12:43

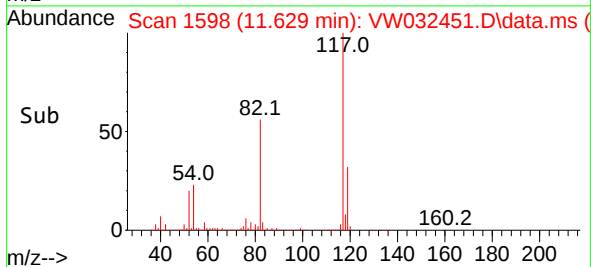
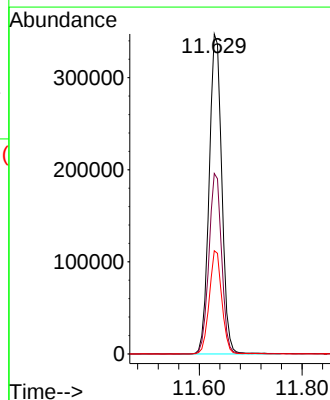
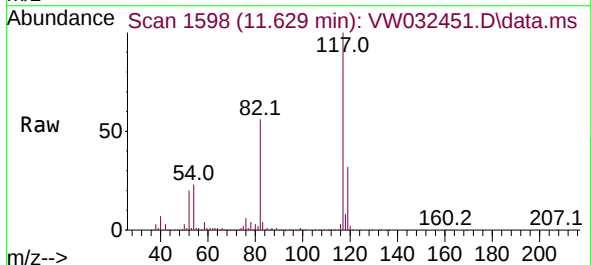
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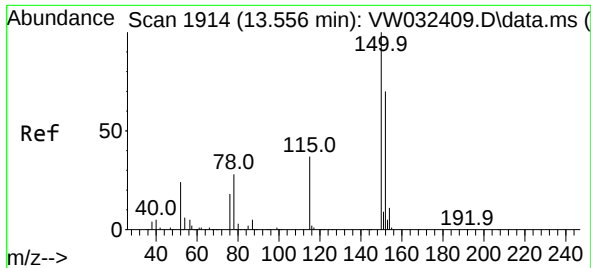
Tgt Ion: 95 Resp: 253872
Ion Ratio Lower Upper
95 100
174 66.5 0.0 135.4
176 58.8 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032451.D
Acq: 17 Nov 2025 12:43

Tgt Ion: 117 Resp: 592171
Ion Ratio Lower Upper
117 100
82 56.4 43.0 64.4
119 32.2 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: VW032451.D
 Acq: 17 Nov 2025 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-231

Tgt Ion:	152	Resp:	273450
Ion	Ratio	Lower	Upper
152	100		
115	64.3	32.8	98.3
150	157.1	0.0	356.6

