

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032472.D
 Acq On : 18 Nov 2025 11:50
 Operator : SY/MD
 Sample : Q3658-01
 Misc : 5.30g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 NB-07-111725

Quant Time: Nov 19 00:26:14 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)

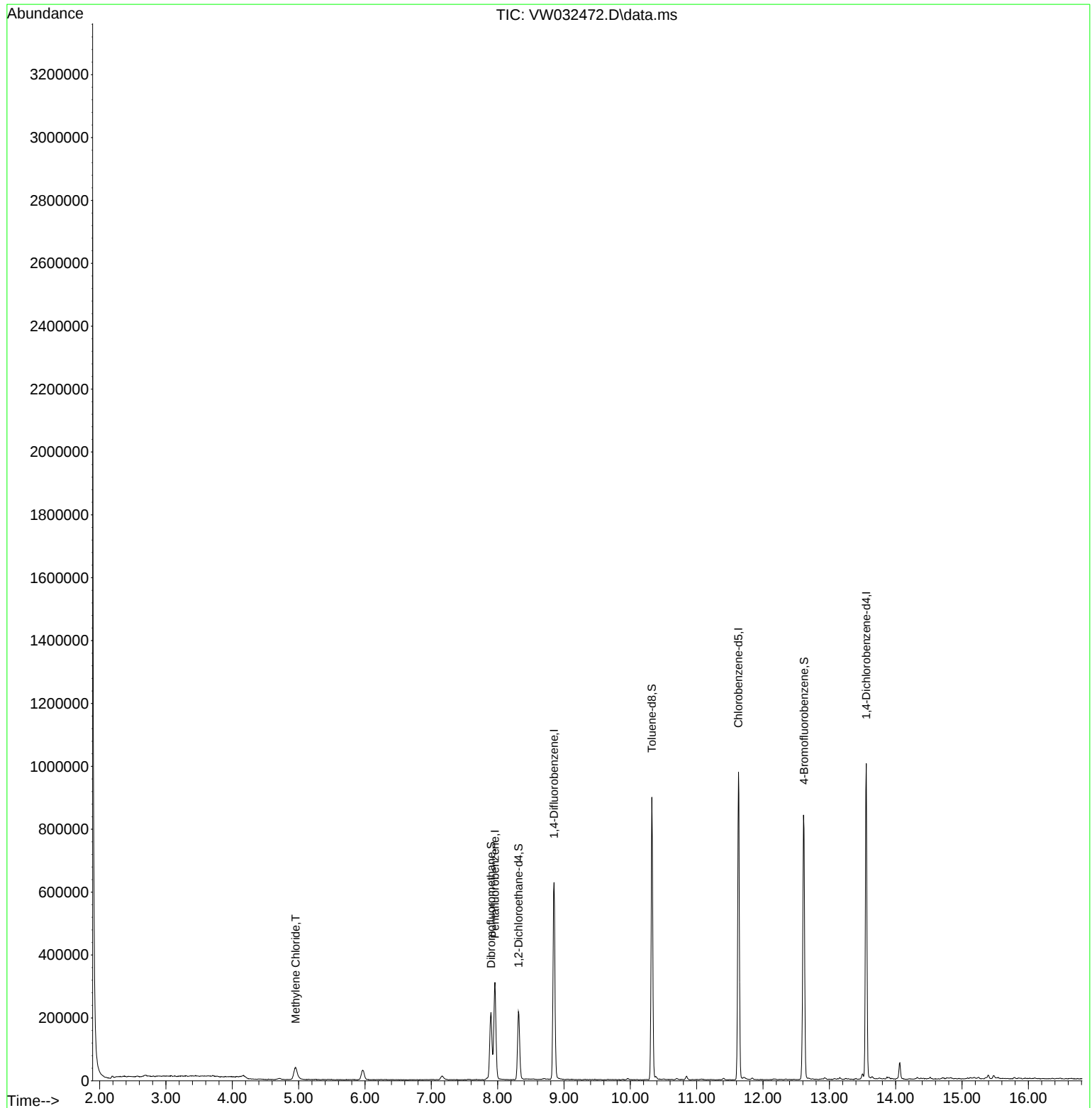
Internal Standards						
1) Pentafluorobenzene	7.959	168	214659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	522669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	527381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	259120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	173640	62.743	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 125.480%		
35) Dibromofluoromethane	7.898	113	160467	51.278	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 102.560%		
50) Toluene-d8	10.325	98	573254	47.750	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 95.500%		
62) 4-Bromofluorobenzene	12.617	95	248680	54.835	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 109.660%		
Target Compounds						Qvalue
20) Methylene Chloride	4.954	84	33294	11.244	ug/l	95

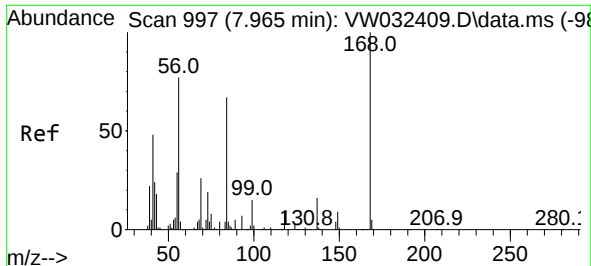
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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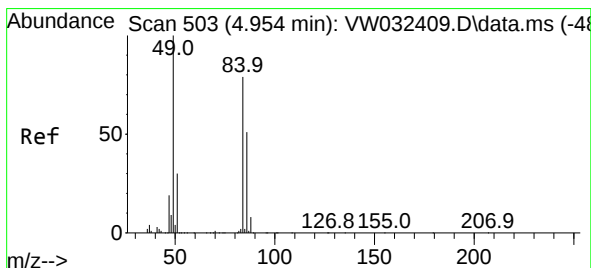
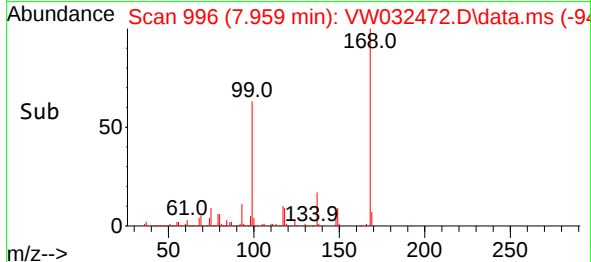
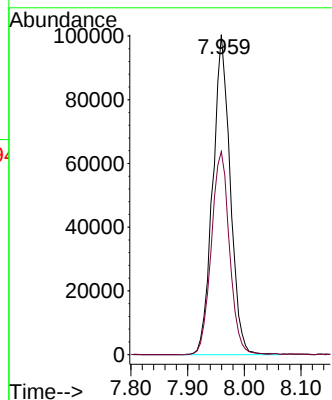
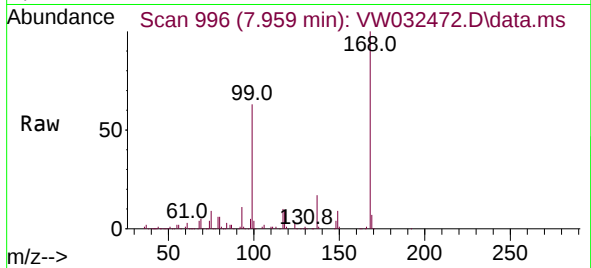




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

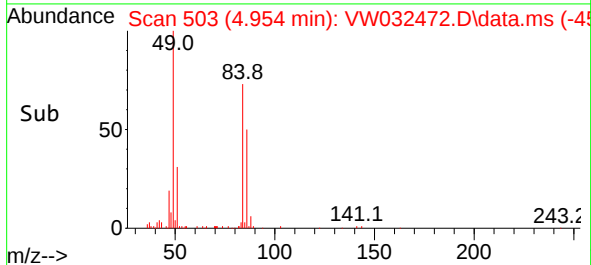
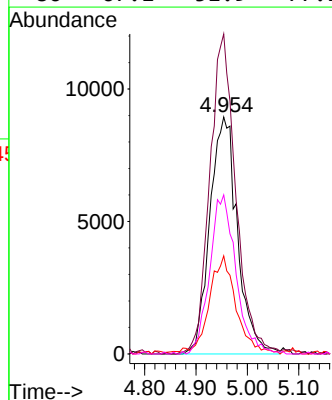
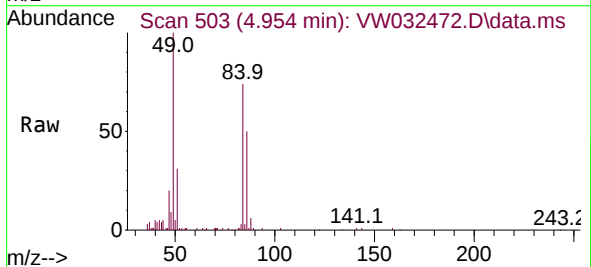
Instrument :
MSVOA_W
ClientSampleId :
NB-07-111725

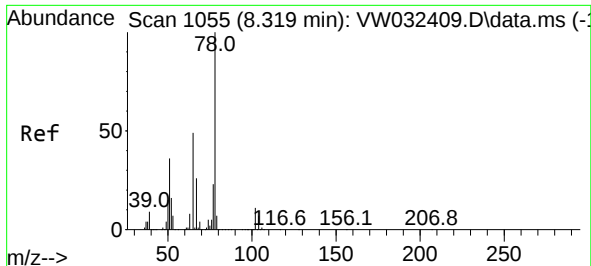
Tgt Ion:168 Resp: 214659
Ion Ratio Lower Upper
168 100
99 63.5 45.4 68.2



#20
Methylene Chloride
Concen: 11.244 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

Tgt Ion: 84 Resp: 33294
Ion Ratio Lower Upper
84 100
49 134.4 101.5 152.3
51 41.4 30.6 46.0
86 67.1 51.9 77.9





#33

1,2-Dichloroethane-d4

Concen: 62.743 ug/l

RT: 8.313 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VW032472.D

Acq: 18 Nov 2025 11:50

Instrument :

MSVOA_W

ClientSampleId :

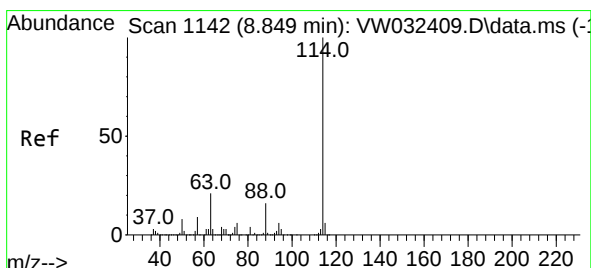
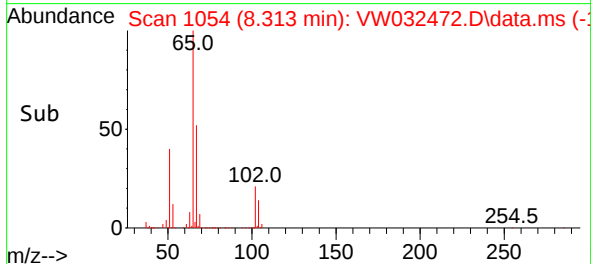
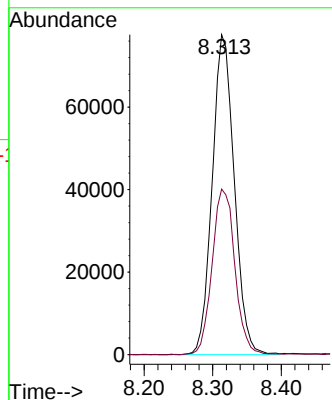
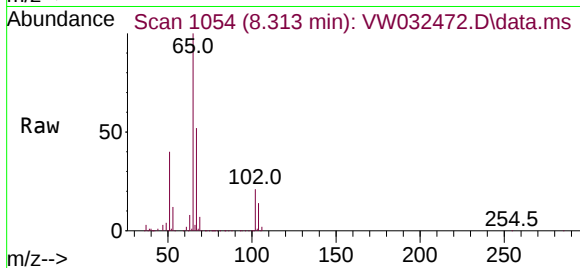
NB-07-111725

Tgt Ion: 65 Resp: 173640

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: VW032472.D

Acq: 18 Nov 2025 11:50

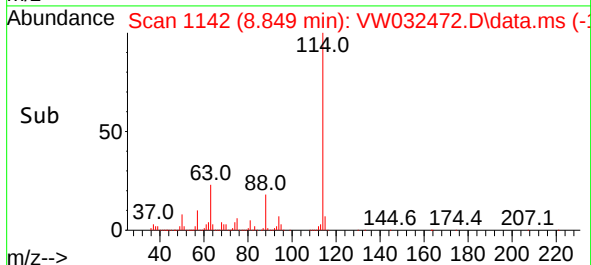
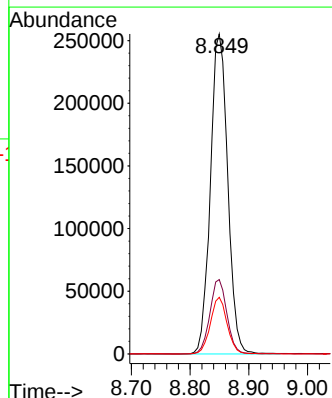
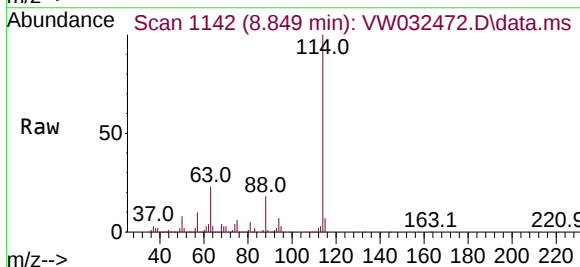
Tgt Ion: 114 Resp: 522669

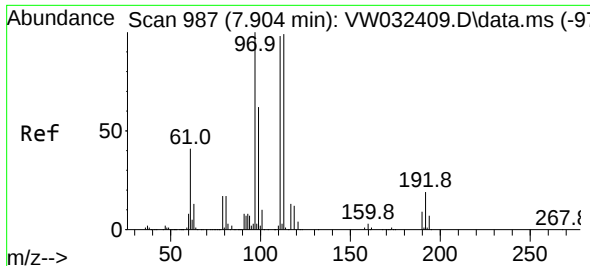
Ion Ratio Lower Upper

114 100

63 23.2 0.0 41.8

88 17.7 0.0 32.6

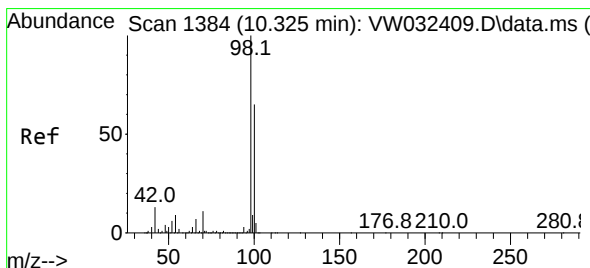
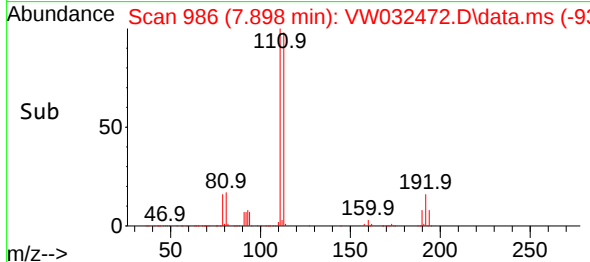
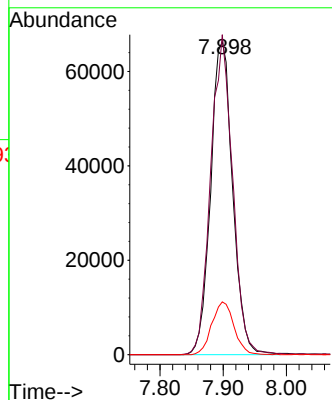
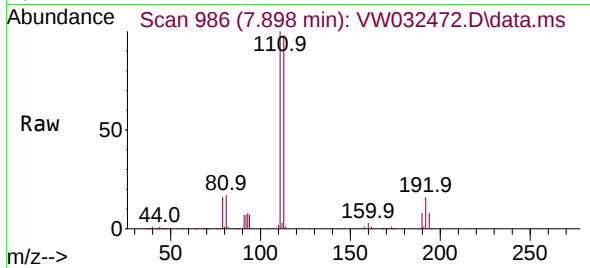




#35
Dibromofluoromethane
Concen: 51.278 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

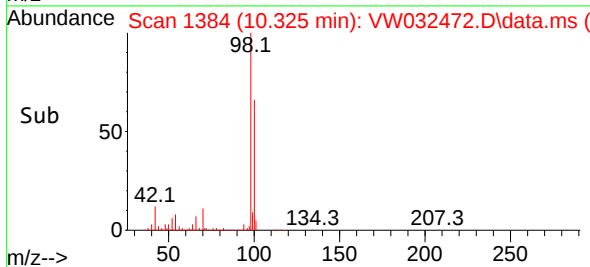
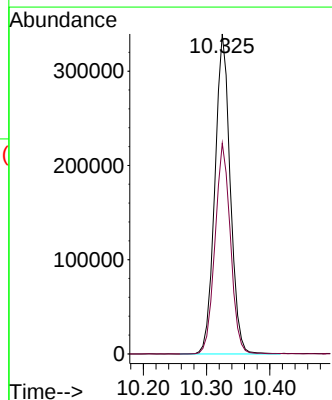
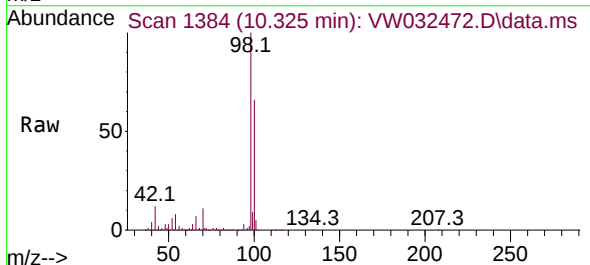
Instrument :
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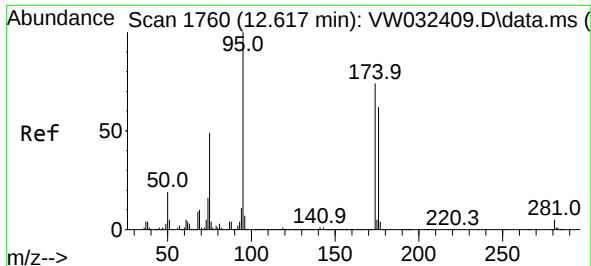
Tgt Ion:113 Resp: 160467
Ion Ratio Lower Upper
113 100
111 101.9 83.1 124.7
192 17.0 13.4 20.2



#50
Toluene-d8
Concen: 47.750 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

Tgt Ion: 98 Resp: 573254
Ion Ratio Lower Upper
98 100
100 66.0 53.3 79.9

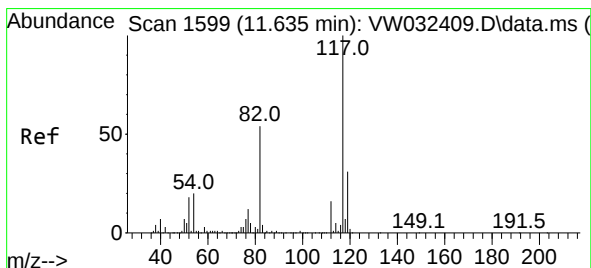
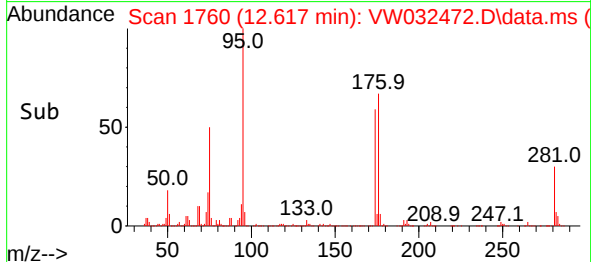
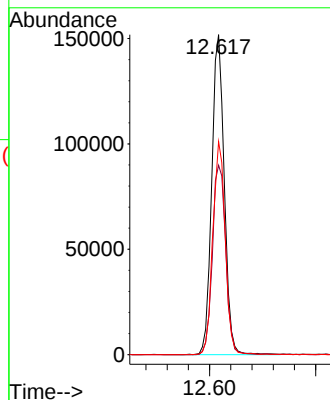
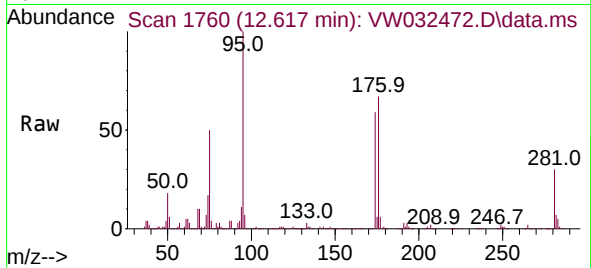




#62
4-Bromofluorobenzene
Concen: 54.835 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

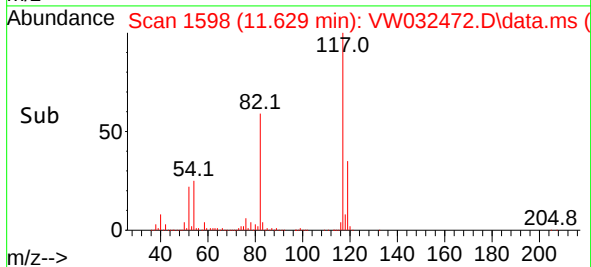
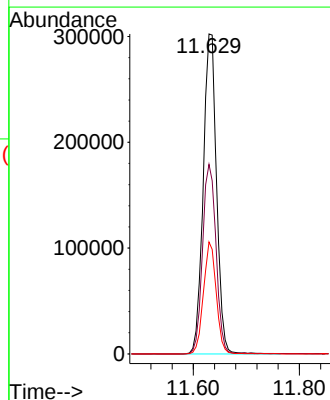
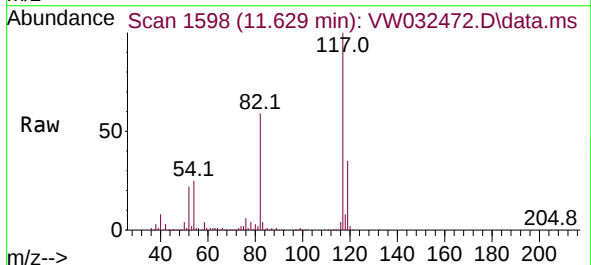
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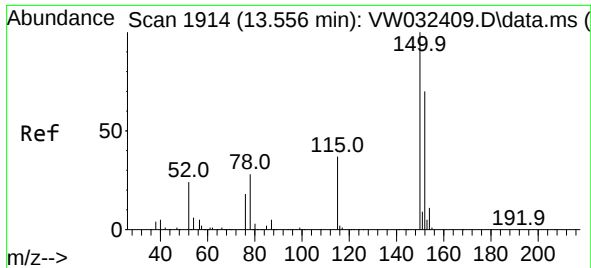
Tgt Ion: 95 Resp: 248680
Ion Ratio Lower Upper
95 100
174 62.7 0.0 135.4
176 66.1 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032472.D
Acq: 18 Nov 2025 11:50

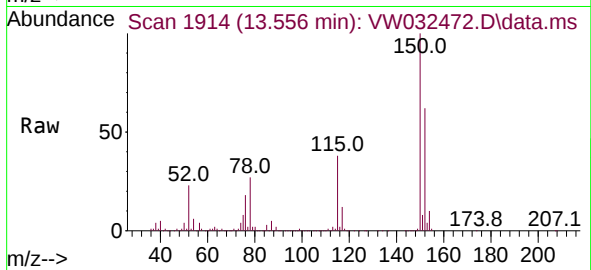
Tgt Ion: 117 Resp: 527381
Ion Ratio Lower Upper
117 100
82 59.2 43.0 64.4
119 35.0 25.0 37.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032472.D
 Acq: 18 Nov 2025 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 NB-07-111725



Tgt Ion:	152	Resp:	259120
Ion Ratio	Lower	Upper	
152	100		
115	61.5	32.8	98.3
150	155.9	0.0	356.6

