

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032453.D
 Acq On : 17 Nov 2025 13:26
 Operator : SY/MD
 Sample : Q3621-01
 Misc : 6.61g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-231

Quant Time: Nov 18 03:03:49 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)

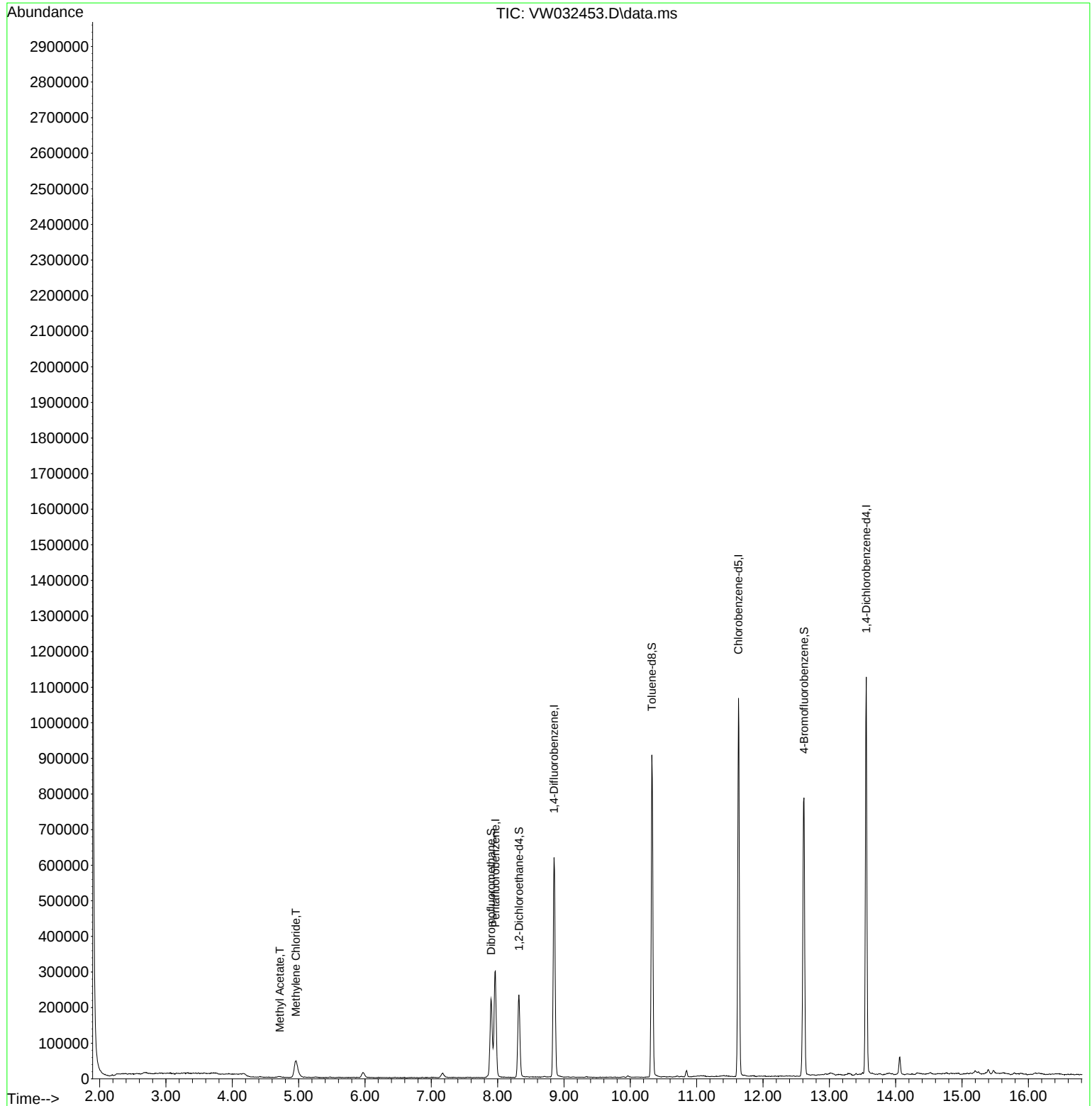
Internal Standards						
1) Pentafluorobenzene	7.965	168	214672	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	519225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	582463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	270084	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	187434	67.724	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	135.440%
35) Dibromofluoromethane	7.898	113	166698	53.623	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	107.240%
50) Toluene-d8	10.325	98	599605	50.277	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.560%
62) 4-Bromofluorobenzene	12.617	95	248277	55.109	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	110.220%
Target Compounds						
					Qvalue	
18) Methyl Acetate	4.716	43	6011	2.932	ug/l	93
20) Methylene Chloride	4.960	84	41526	14.024	ug/l	98

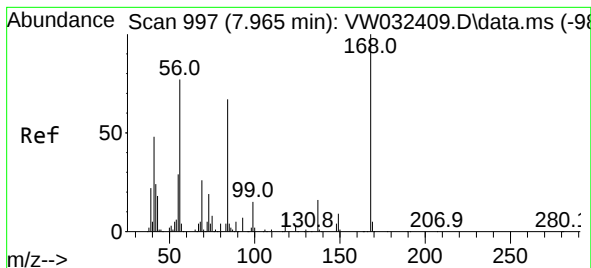
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. 0.000 min

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Instrument :

MSVOA_W

ClientSampleId :

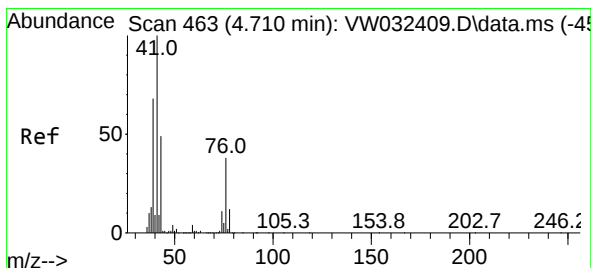
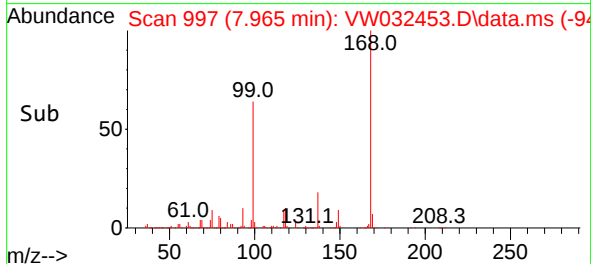
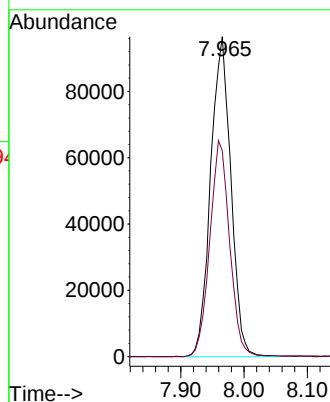
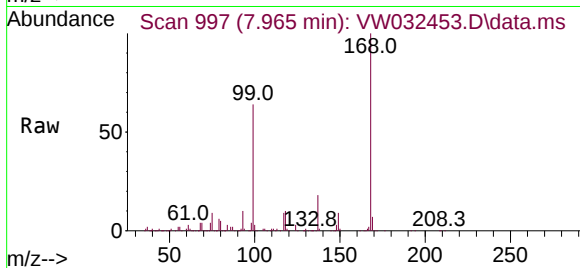
VNJ-231

Tgt Ion:168 Resp: 214672

Ion Ratio Lower Upper

168 100

99 64.2 45.4 68.2



#18

Methyl Acetate

Concen: 2.932 ug/l

RT: 4.716 min Scan# 464

Delta R.T. 0.006 min

Lab File: VW032453.D

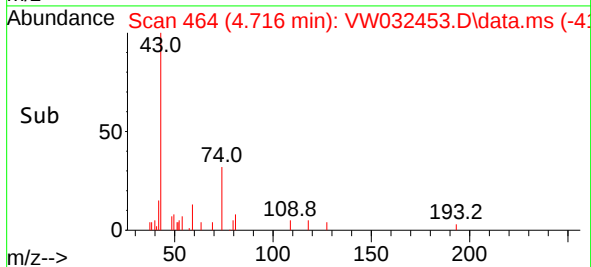
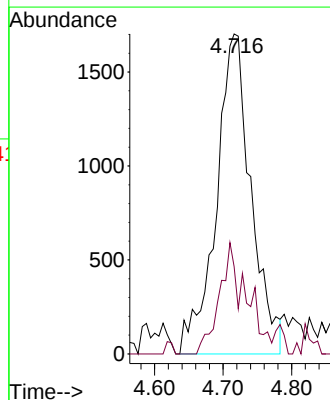
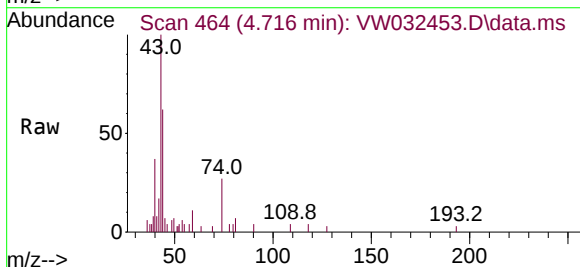
Acq: 17 Nov 2025 13:26

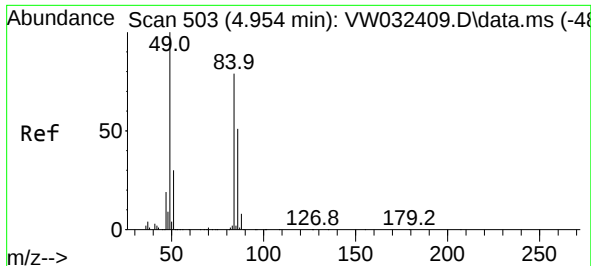
Tgt Ion: 43 Resp: 6011

Ion Ratio Lower Upper

43 100

74 27.0 18.9 28.3

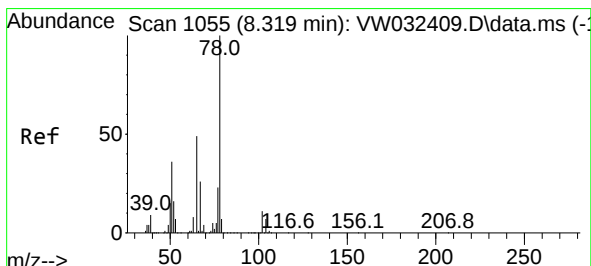
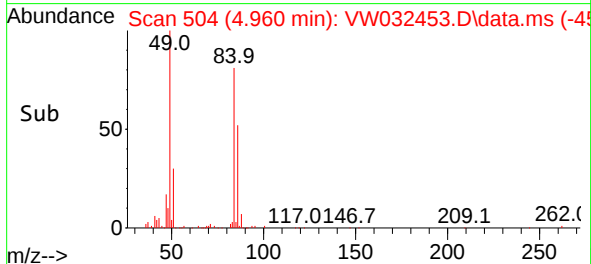
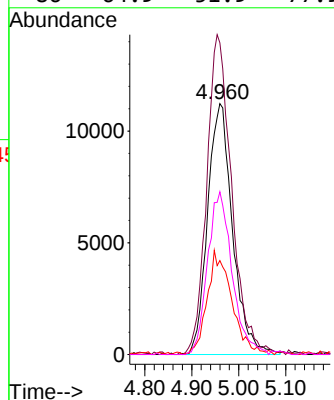
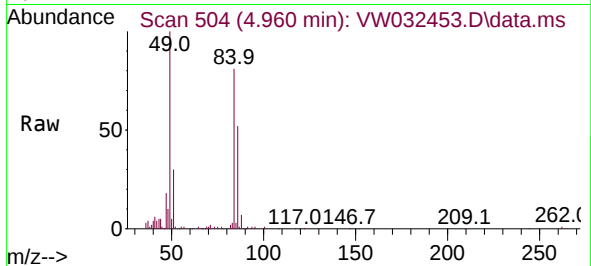




#20
Methylene Chloride
Concen: 14.024 ug/l
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

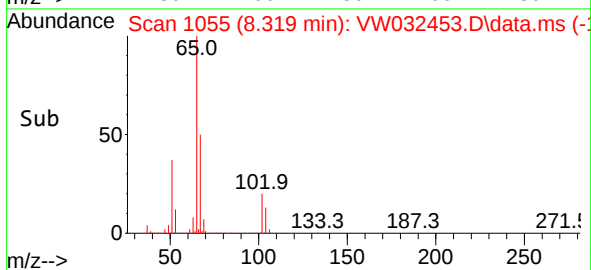
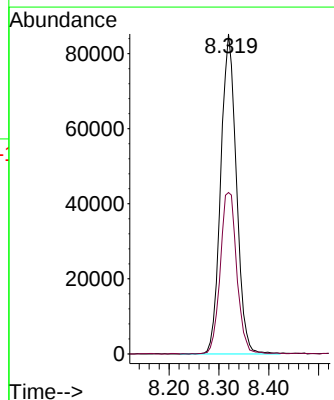
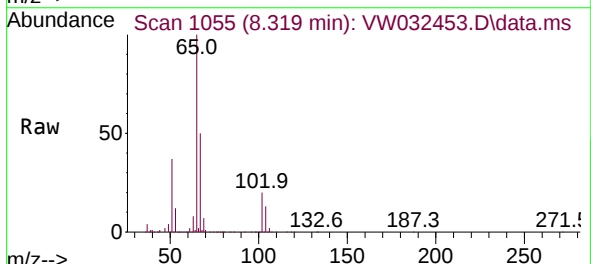
Instrument :
MSVOA_W
ClientSampleId :
VNJ-231

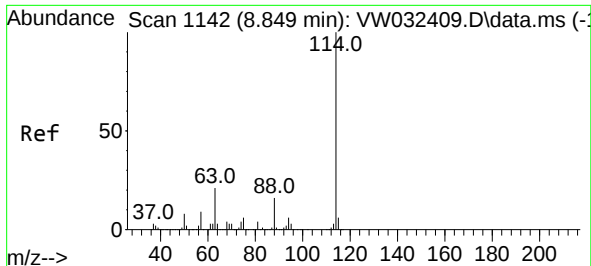
Tgt Ion:	84	Resp:	41526
Ion	Ratio	Lower	Upper
84	100		
49	123.4	101.5	152.3
51	36.7	30.6	46.0
86	64.9	51.9	77.9



#33
1,2-Dichloroethane-d4
Concen: 67.724 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

Tgt Ion:	65	Resp:	187434
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.8

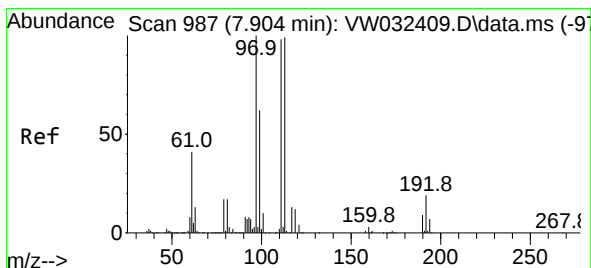
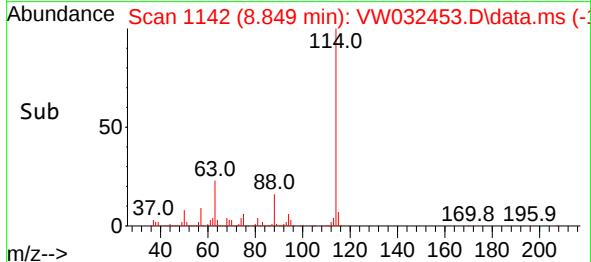
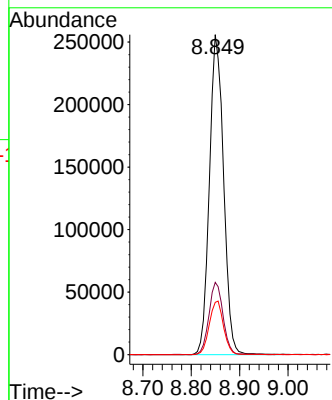
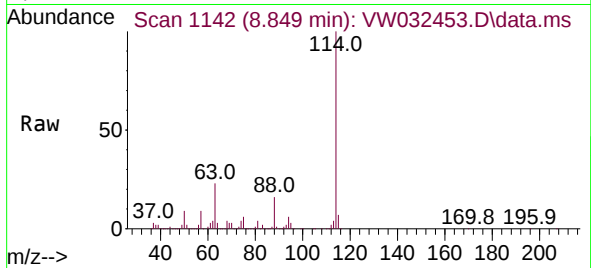




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

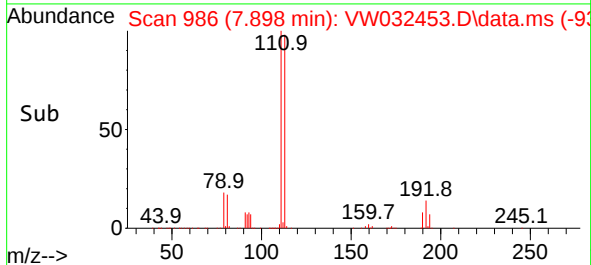
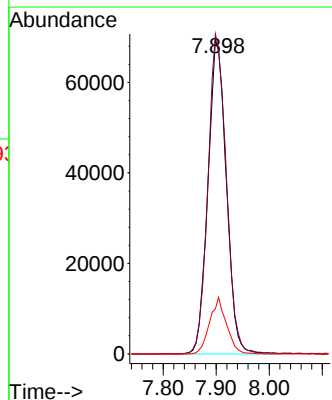
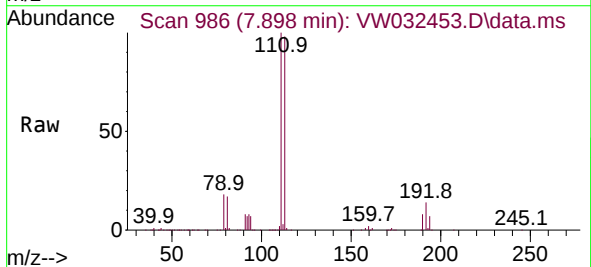
Instrument :
MSVOA_W
ClientSampleId :
VNJ-231

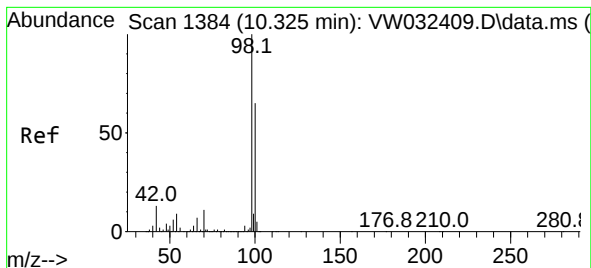
Tgt Ion:114 Resp: 519225
Ion Ratio Lower Upper
114 100
63 22.5 0.0 41.8
88 16.3 0.0 32.6



#35
Dibromofluoromethane
Concen: 53.623 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032453.D
Acq: 17 Nov 2025 13:26

Tgt Ion:113 Resp: 166698
Ion Ratio Lower Upper
113 100
111 101.9 83.1 124.7
192 16.4 13.4 20.2





#50

Toluene-d8

Concen: 50.277 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032453.D

Acq: 17 Nov 2025 13:26

Instrument :

MSVOA_W

ClientSampleId :

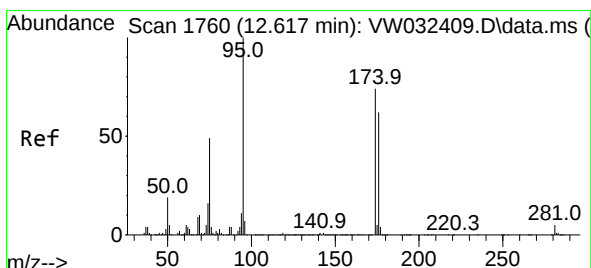
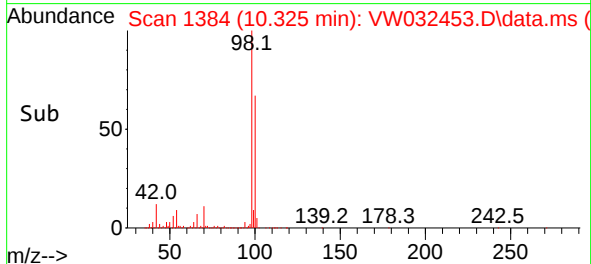
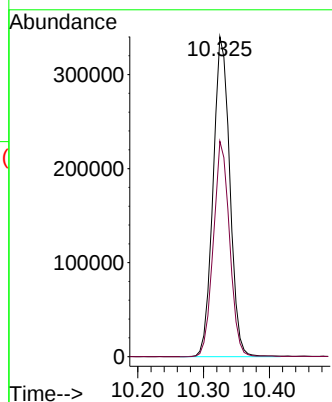
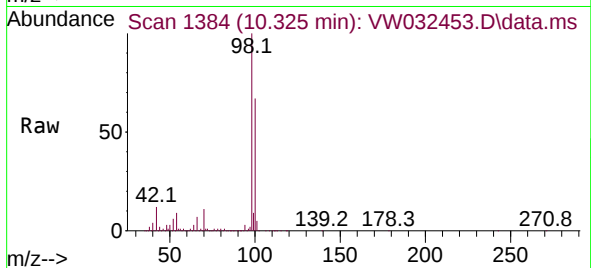
VNJ-231

Tgt Ion: 98 Resp: 599605

Ion Ratio Lower Upper

98 100

100 65.5 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 55.109 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW032453.D

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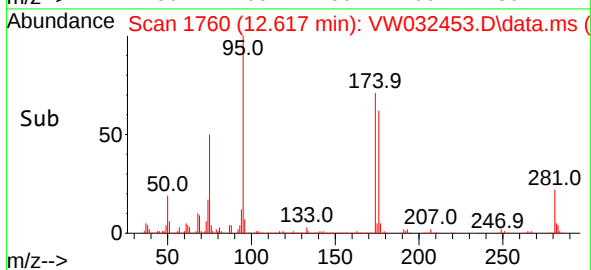
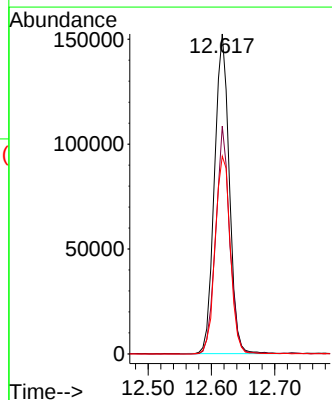
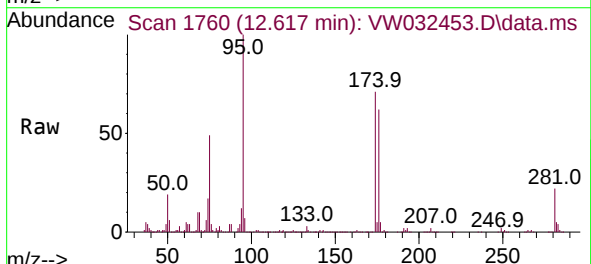
Tgt Ion: 95 Resp: 248277

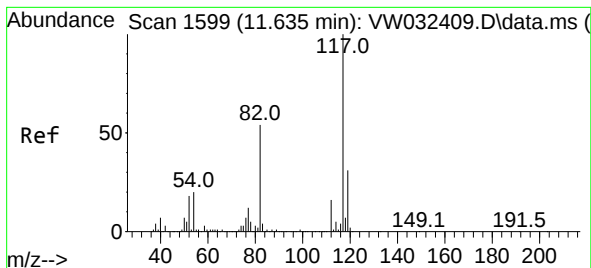
Ion Ratio Lower Upper

95 100

174 67.1 0.0 135.4

176 63.6 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: VW032453.D

Acq: 17 Nov 2025 13:26

Instrument :

MSVOA_W

ClientSampleId :

VNJ-231

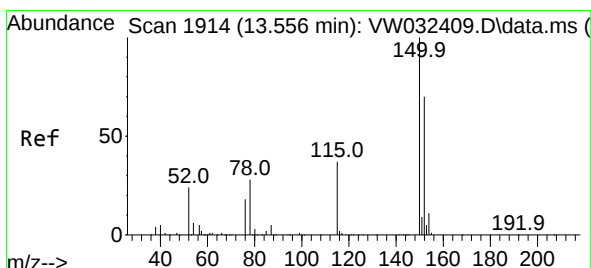
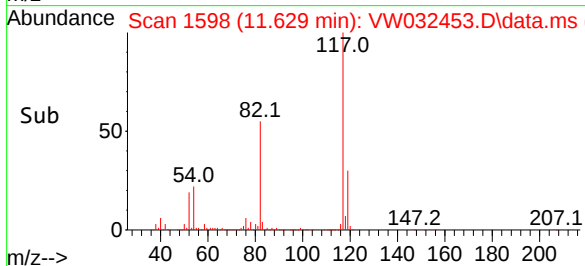
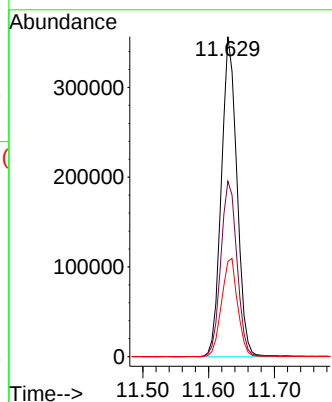
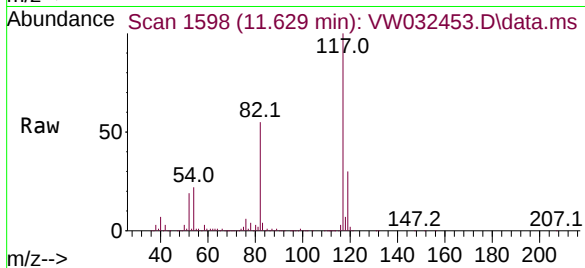
Tgt Ion:117 Resp: 582463

Ion Ratio Lower Upper

117 100

82 54.7 43.0 64.4

119 29.7 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: VW032453.D

Acq: 17 Nov 2025 13:26

Tgt Ion:152 Resp: 270084

Ion Ratio Lower Upper

152 100

115 66.6 32.8 98.3

150 161.1 0.0 356.6

