

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112125\
 Data File : VW032524.D
 Acq On : 21 Nov 2025 14:33
 Operator : SY/MD
 Sample : Q3699-01
 Misc : 8.04g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-112025

Quant Time: Nov 26 01:21:50 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	7.953	168	205195	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	485698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	486715	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	223812	50.000	ug/l	0.00

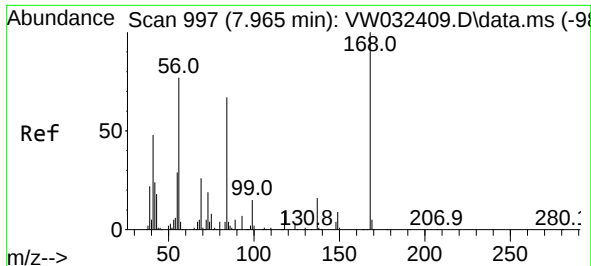
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	160827	60.794	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	121.580%
35) Dibromofluoromethane	7.904	113	146758	50.467	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	100.940%
50) Toluene-d8	10.325	98	488641	43.801	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	87.600%
62) 4-Bromofluorobenzene	12.617	95	210101	49.854	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	99.700%

Target Compounds	Qvalue

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

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Response via : Initial Calibration

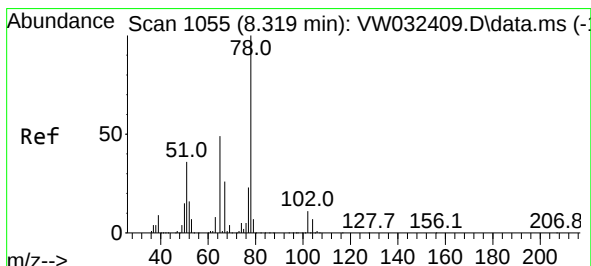
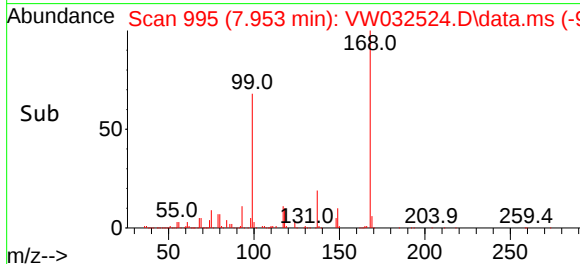
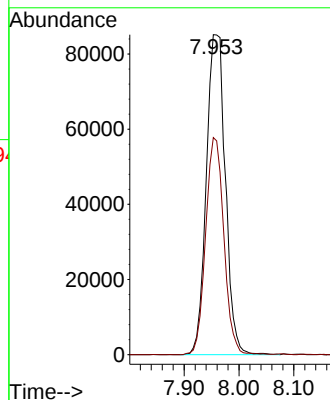
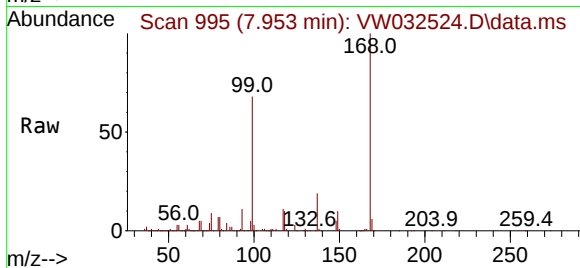




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.012 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

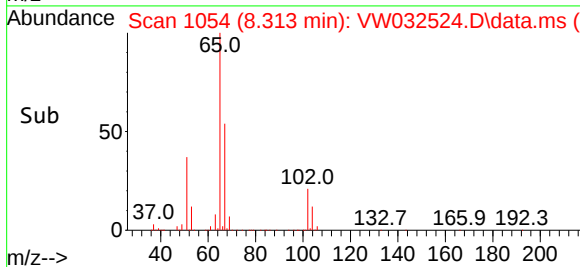
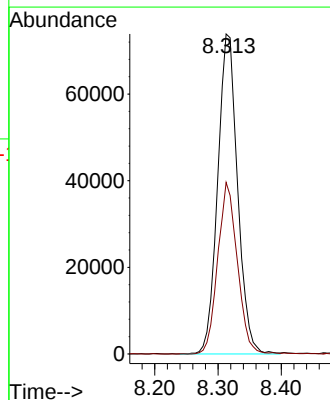
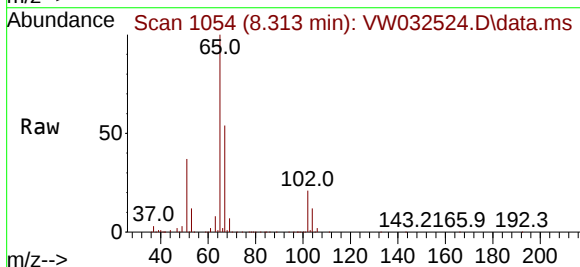
Instrument :
MSVOA_W
ClientSampleId :
TR-04-112025

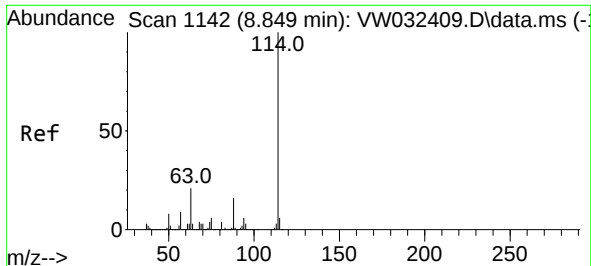
Tgt Ion:168 Resp: 205195
Ion Ratio Lower Upper
168 100
99 67.8 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 60.794 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 65 Resp: 160827
Ion Ratio Lower Upper
65 100
67 52.8 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: VW032524.D

Acq: 21 Nov 2025 14:33

Instrument :

MSVOA_W

ClientSampleId :

TR-04-112025

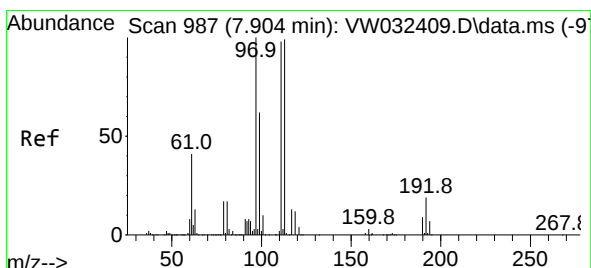
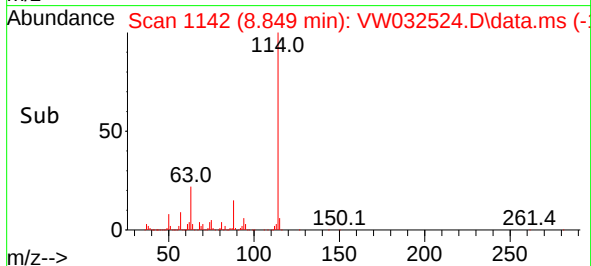
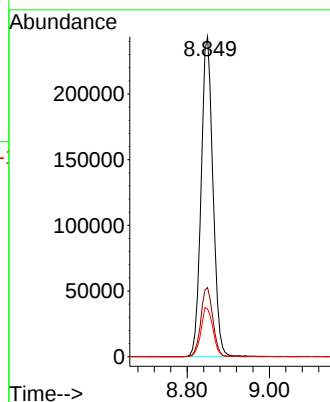
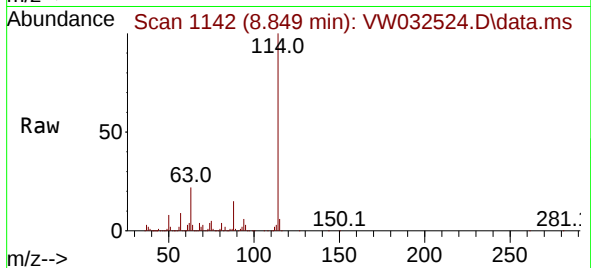
Tgt Ion:114 Resp: 485698

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

88 14.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.467 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032524.D

Acq: 21 Nov 2025 14:33

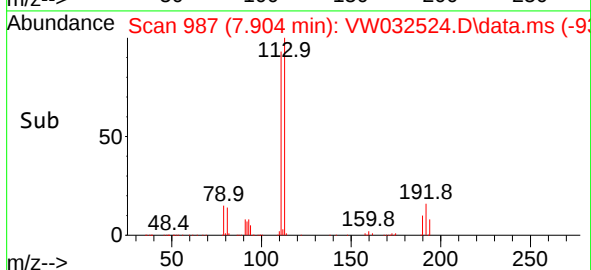
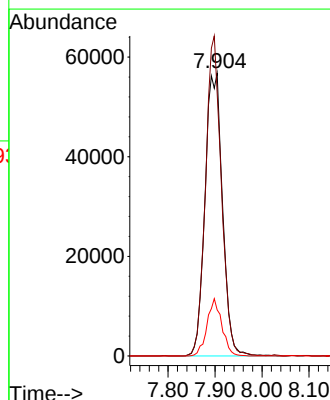
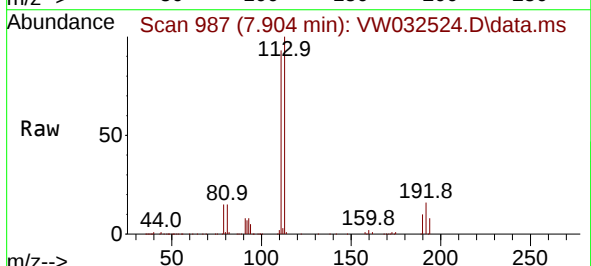
Tgt Ion:113 Resp: 146758

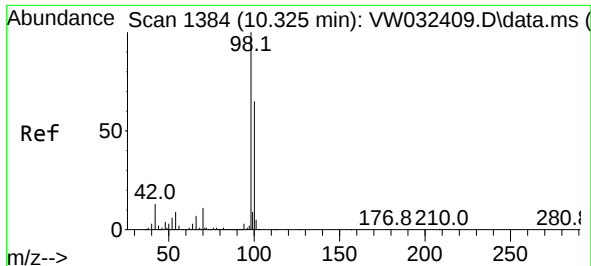
Ion Ratio Lower Upper

113 100

111 102.3 83.1 124.7

192 17.2 13.4 20.2

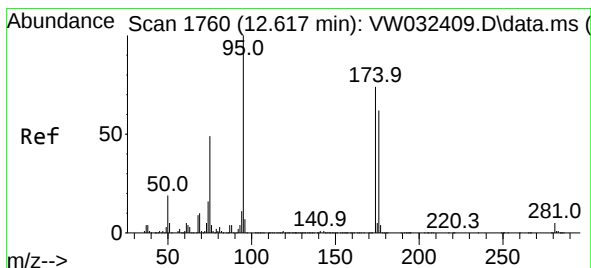
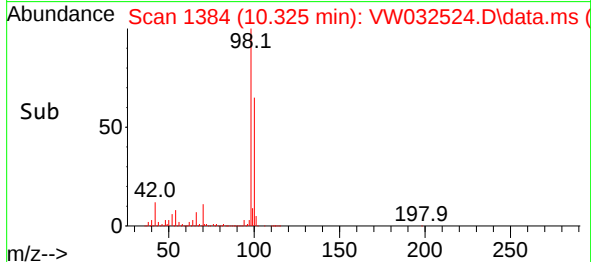
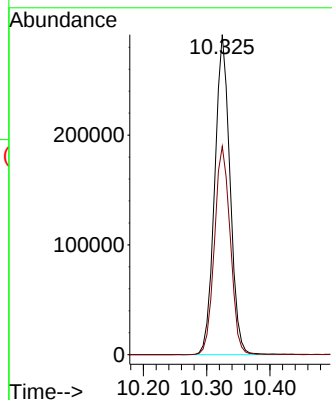
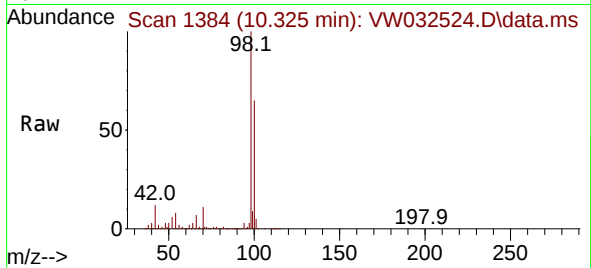




#50
Toluene-d8
Concen: 43.801 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

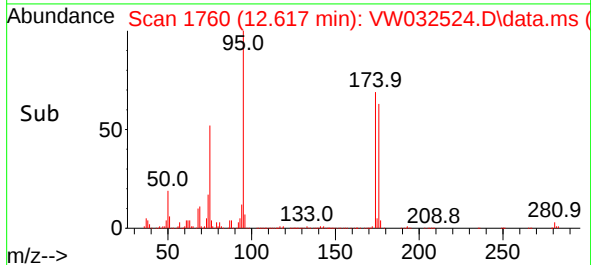
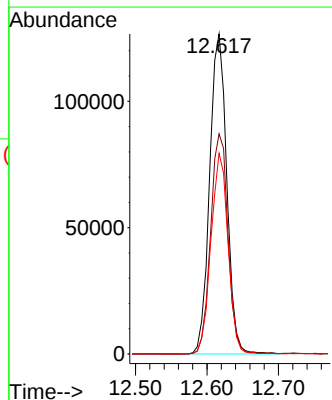
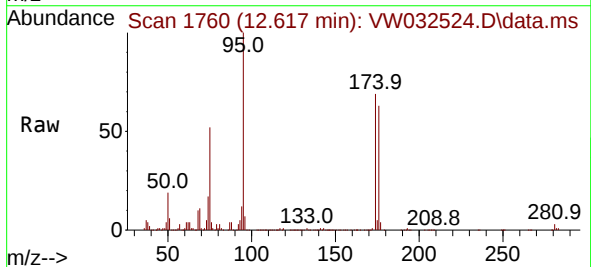
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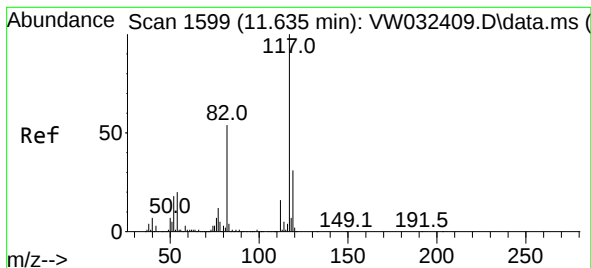
Tgt Ion: 98 Resp: 488641
Ion Ratio Lower Upper
98 100
100 67.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 49.854 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

Tgt Ion: 95 Resp: 210101
Ion Ratio Lower Upper
95 100
174 70.1 0.0 135.4
176 62.7 0.0 131.8

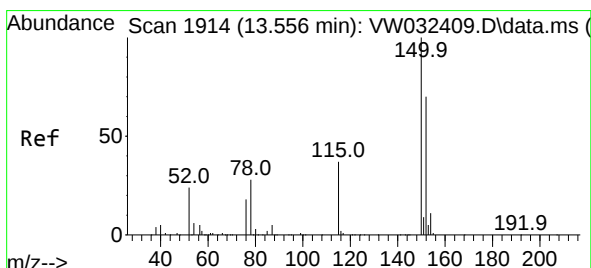
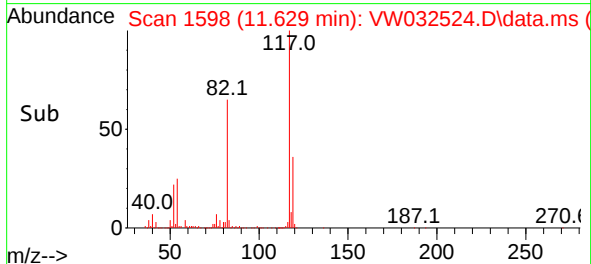
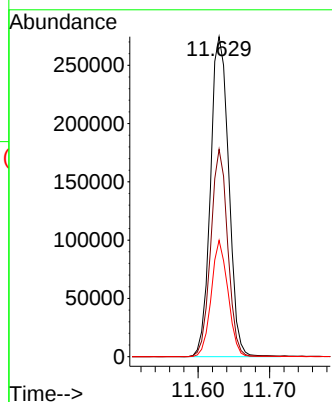
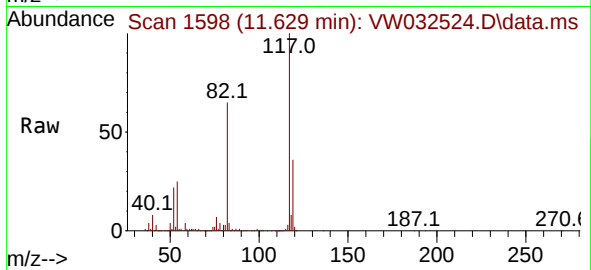




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1159
Delta R.T. -0.006 min
Lab File: VW032524.D
Acq: 21 Nov 2025 14:33

Instrument :
MSVOA_W
ClientSampleId :
TR-04-112025

Tgt Ion:117 Resp: 486715
Ion Ratio Lower Upper
117 100
82 64.8 43.0 64.4#
119 36.3 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: VW032524.D
Acq: 21 Nov 2025 14:33

Tgt Ion:152 Resp: 223812
Ion Ratio Lower Upper
152 100
115 63.0 32.8 98.3
150 157.9 0.0 356.6

