

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032556.D
 Acq On : 26 Nov 2025 19:45
 Operator : SY/MD
 Sample : Q3733-01
 Misc : 6.29g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-04-11-26-2025

Quant Time: Nov 27 00:32:53 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)

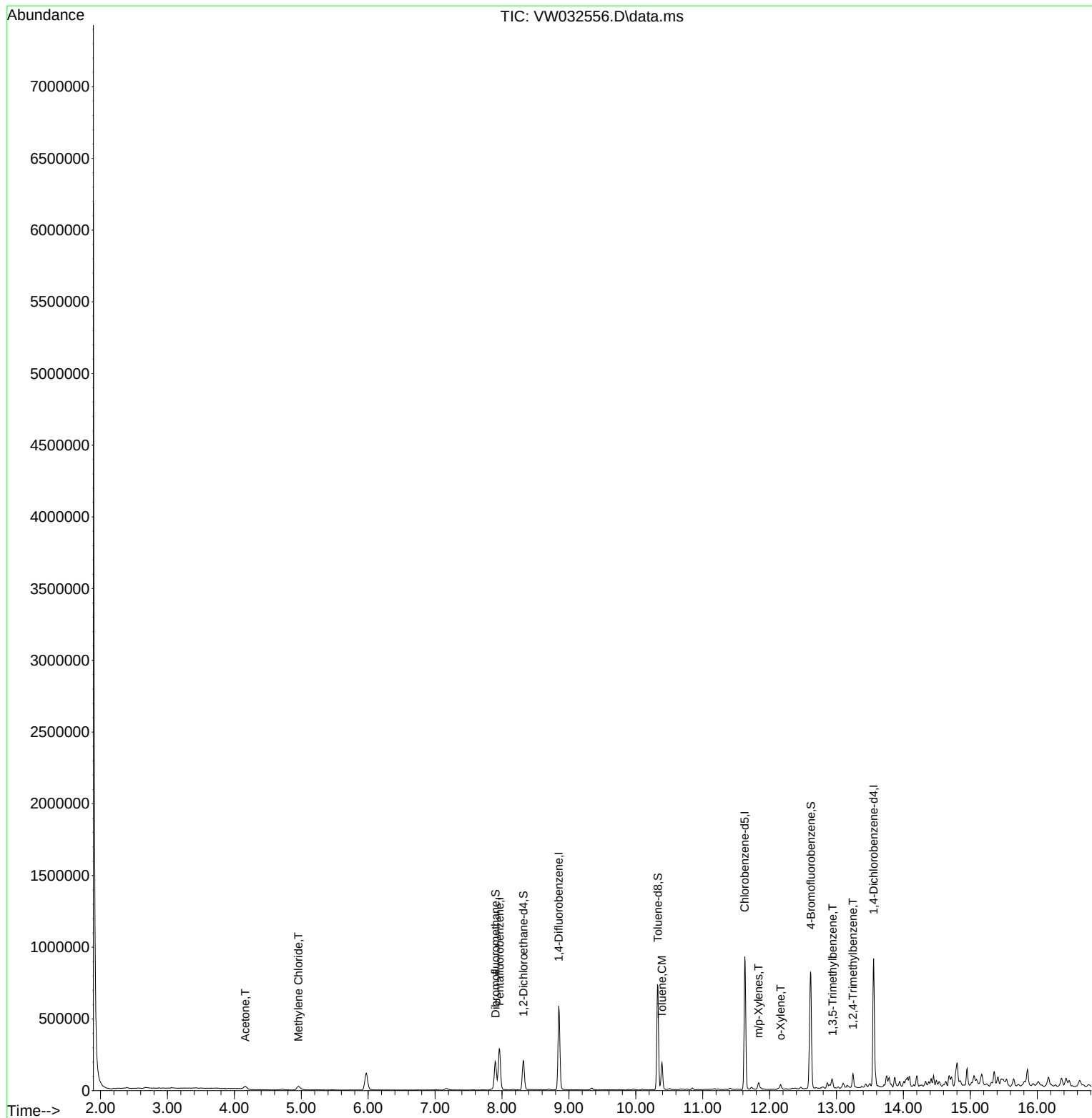
Internal Standards						
1) Pentafluorobenzene	7.965	168	195755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	470502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	508944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	219244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	166456	65.956	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 131.920%	
35) Dibromofluoromethane	7.904	113	146396	51.969	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 103.940%	
50) Toluene-d8	10.331	98	480474	44.460	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 88.920%	
62) 4-Bromofluorobenzene	12.617	95	226643	55.516	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 111.040%	
Target Compounds						
					Qvalue	
16) Acetone	4.161	43	29956	39.675	ug/l	99
20) Methylene Chloride	4.960	84	20356	7.539	ug/l	94
52) Toluene	10.392	92	79630	9.645	ug/l	98
68) m/p-Xylenes	11.837	106	11800	1.656	ug/l	99
69) o-Xylene	12.166	106	8485	1.243	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	20959	1.578	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	55707	4.123	ug/l	97

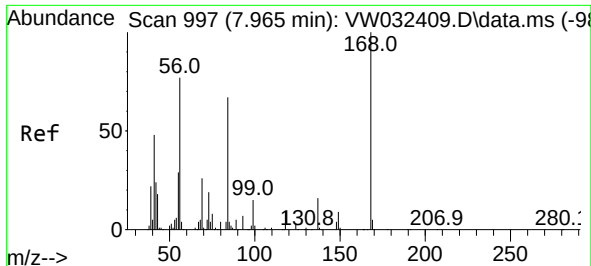
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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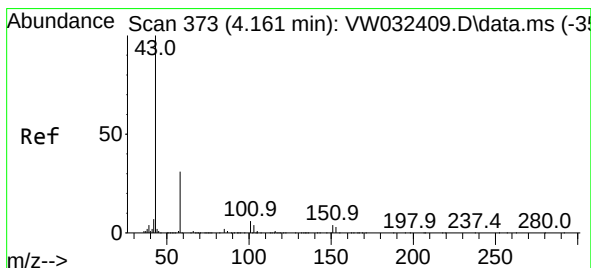
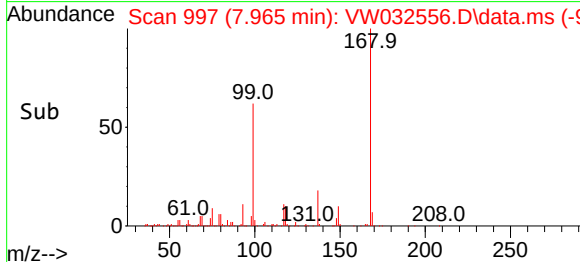
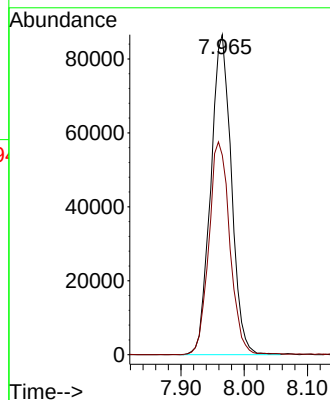
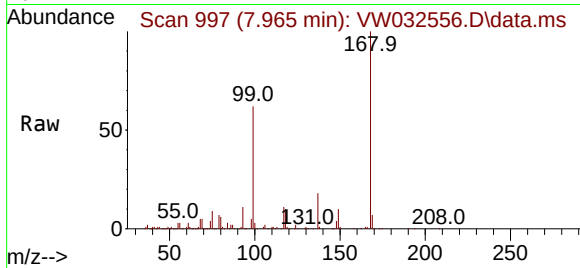




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032556.D
Acq: 26 Nov 2025 19:45

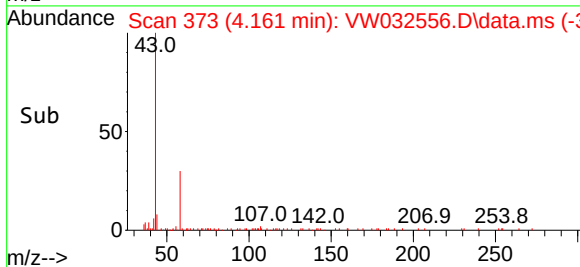
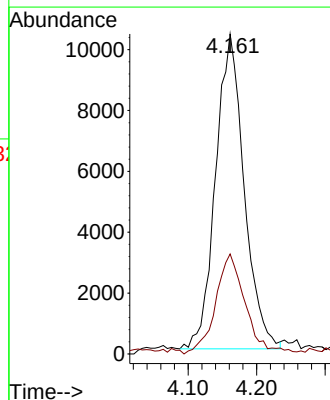
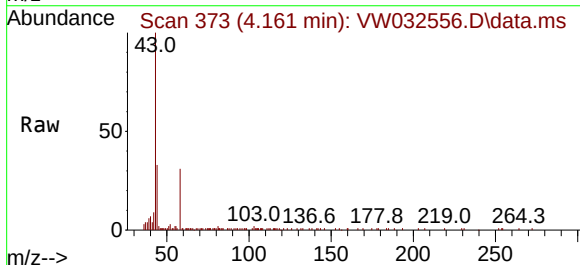
Instrument :
MSVOA_W
ClientSampleId :
SU-04-11-26-2025

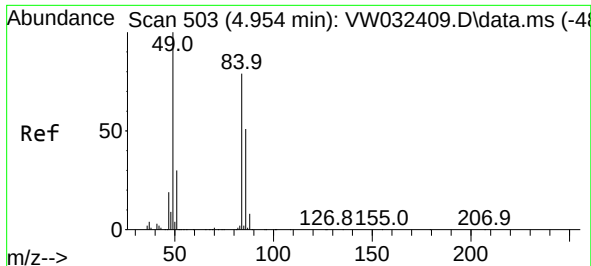
Tgt Ion:168 Resp: 195755
Ion Ratio Lower Upper
168 100
99 62.3 45.4 68.2



#16
Acetone
Concen: 39.675 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032556.D
Acq: 26 Nov 2025 19:45

Tgt Ion: 43 Resp: 29956
Ion Ratio Lower Upper
43 100
58 30.6 24.8 37.2

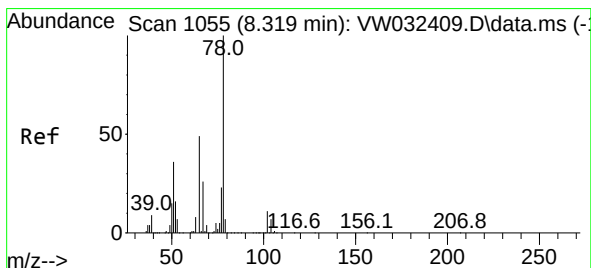
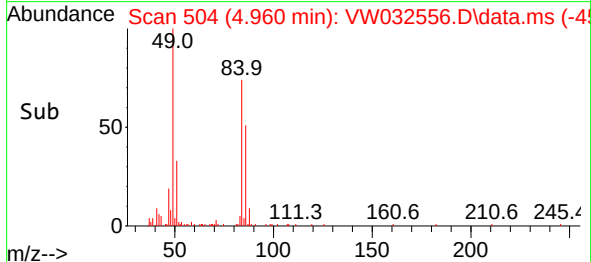
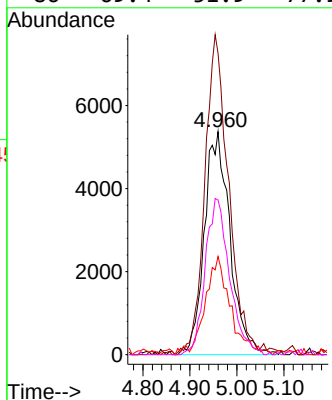
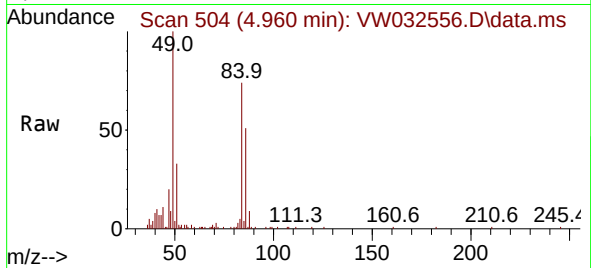




#20
Methylene Chloride
Concen: 7.539 ug/l
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW032556.D
Acq: 26 Nov 2025 19:45

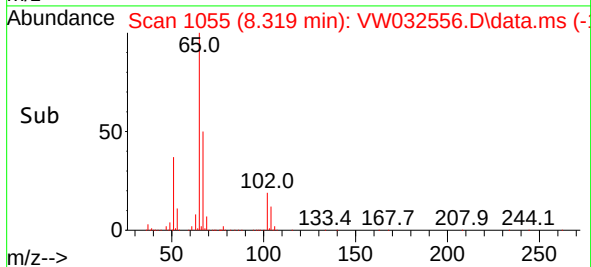
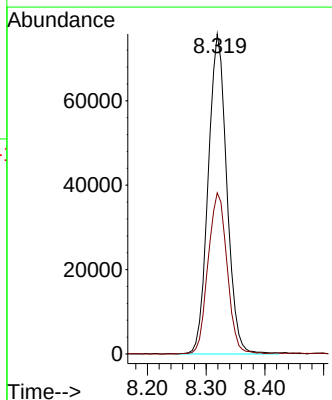
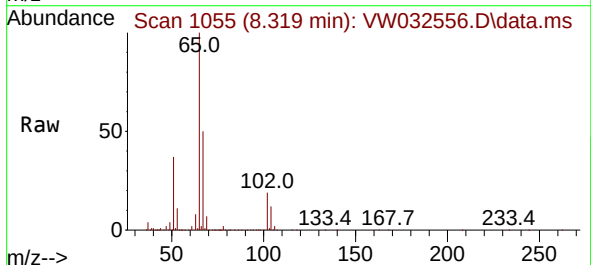
Instrument :
MSVOA_W
ClientSampleId :
SU-04-11-26-2025

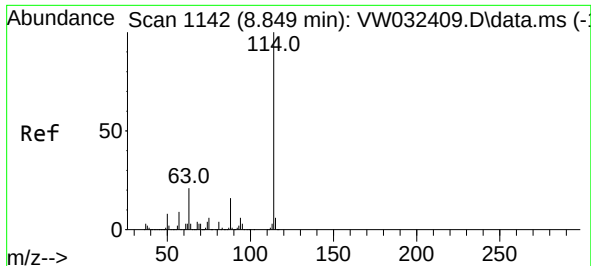
Tgt Ion:	84	Resp:	20356
Ion	Ratio	Lower	Upper
84	100		
49	134.1	101.5	152.3
51	42.3	30.6	46.0
86	69.4	51.9	77.9



#33
1,2-Dichloroethane-d4
Concen: 65.956 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032556.D
Acq: 26 Nov 2025 19:45

Tgt Ion:	65	Resp:	166456
Ion	Ratio	Lower	Upper
65	100		
67	51.7	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: VW032556.D

Acq: 26 Nov 2025 19:45

Instrument :

MSVOA_W

ClientSampleId :

SU-04-11-26-2025

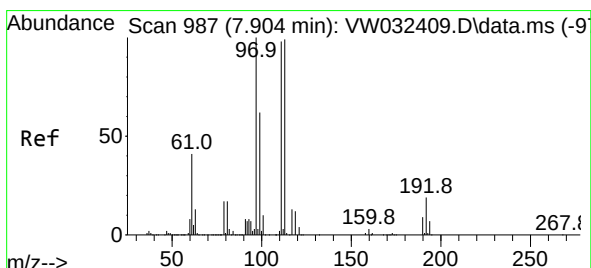
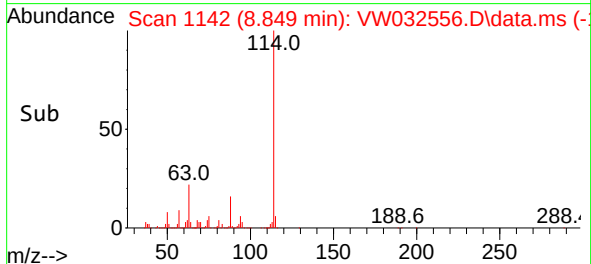
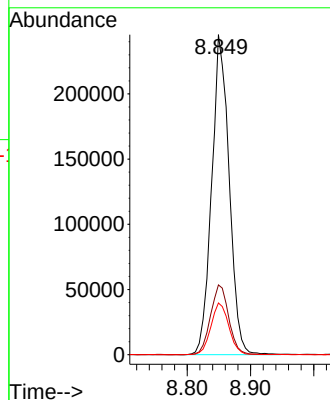
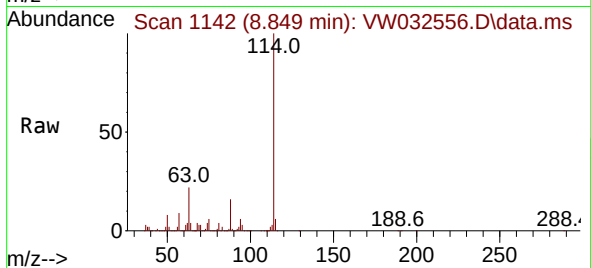
Tgt Ion:114 Resp: 470502

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.8

88 16.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.969 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032556.D

Acq: 26 Nov 2025 19:45

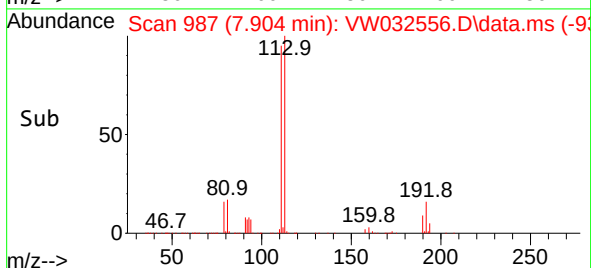
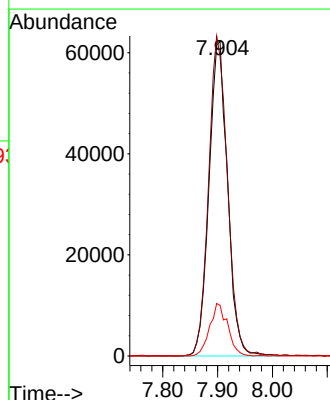
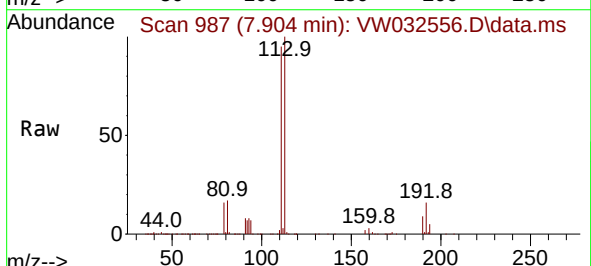
Tgt Ion:113 Resp: 146396

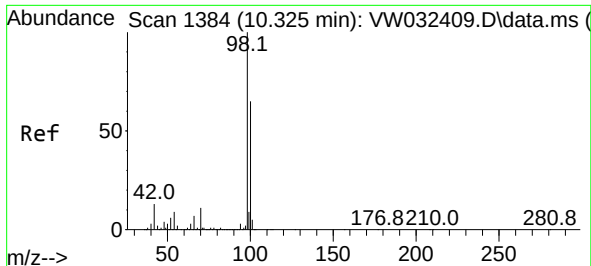
Ion Ratio Lower Upper

113 100

111 103.4 83.1 124.7

192 16.1 13.4 20.2

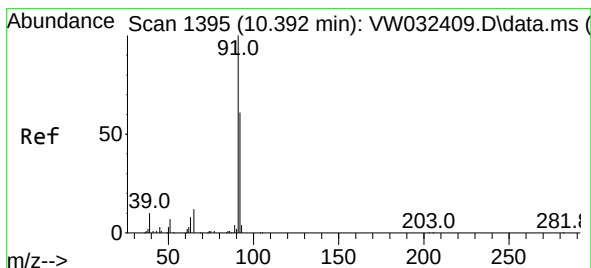
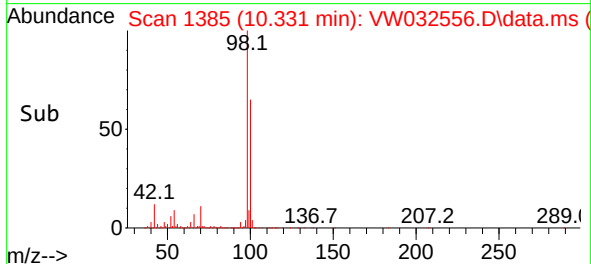
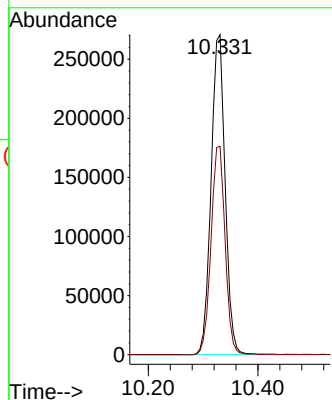
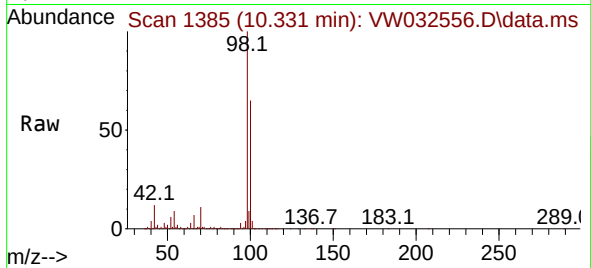




#50
Toluene-d8
Concen: 44.460 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032556.D
Acq: 26 Nov 2025 19:45

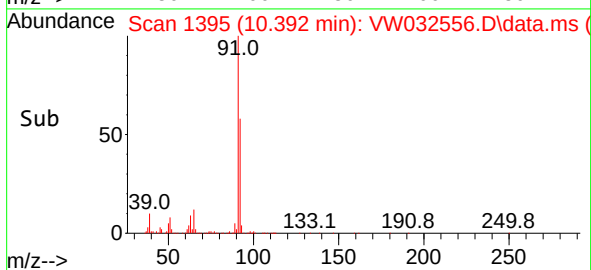
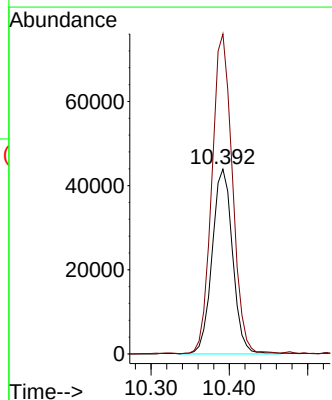
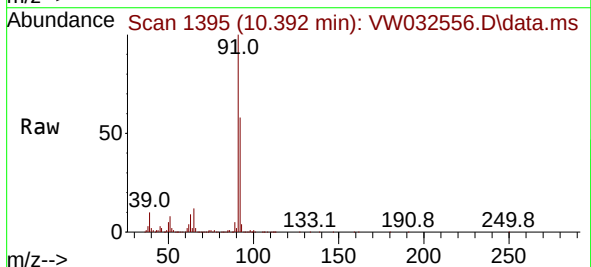
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SU-04-11-26-2025

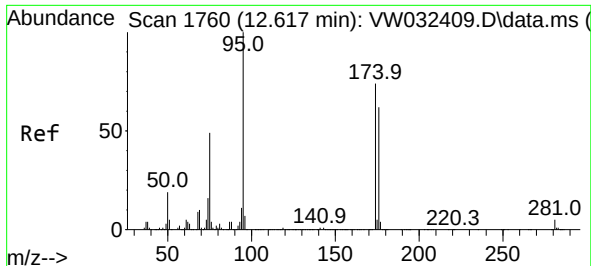
Tgt Ion: 98 Resp: 480474
Ion Ratio Lower Upper
98 100
100 65.2 53.3 79.9



#52
Toluene
Concen: 9.645 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032556.D
Acq: 26 Nov 2025 19:45

Tgt Ion: 92 Resp: 79630
Ion Ratio Lower Upper
92 100
91 173.3 136.6 205.0

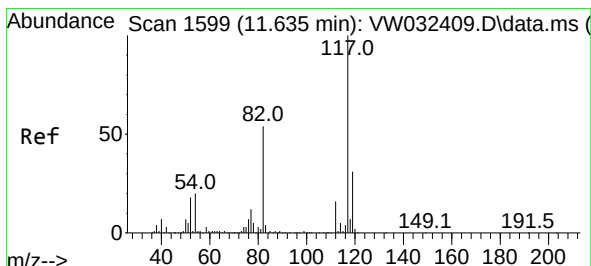
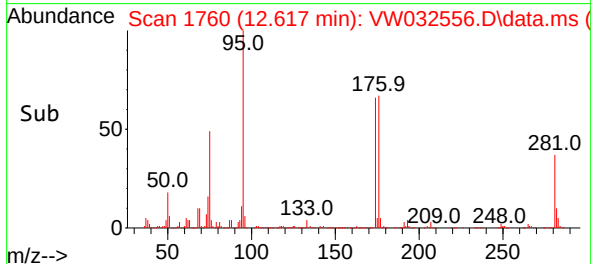
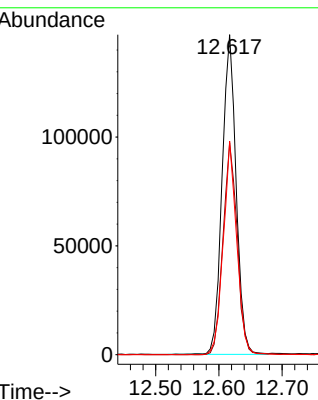
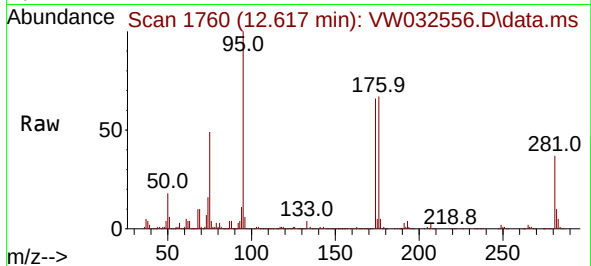




#62
4-Bromofluorobenzene
Concen: 55.516 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032556.D
Acq: 26 Nov 2025 19:45

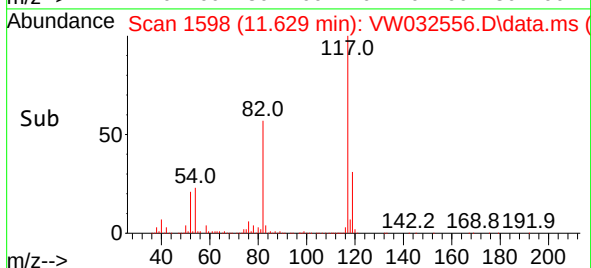
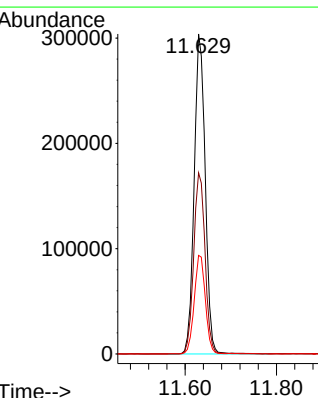
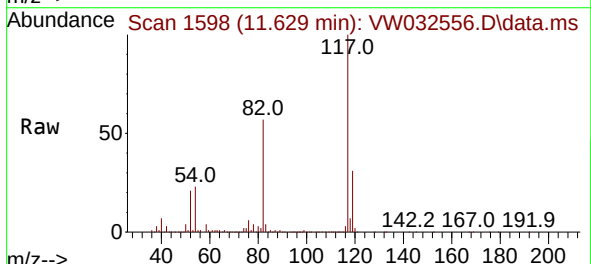
Instrument :
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ClientSampleId :
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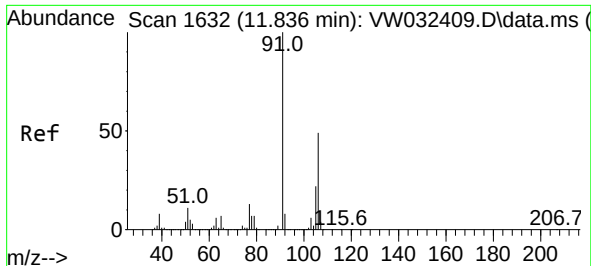
Tgt Ion: 95 Resp: 226643
Ion Ratio Lower Upper
95 100
174 67.2 0.0 135.4
176 64.4 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032556.D
Acq: 26 Nov 2025 19:45

Tgt Ion: 117 Resp: 508944
Ion Ratio Lower Upper
117 100
82 56.6 43.0 64.4
119 30.8 25.0 37.6

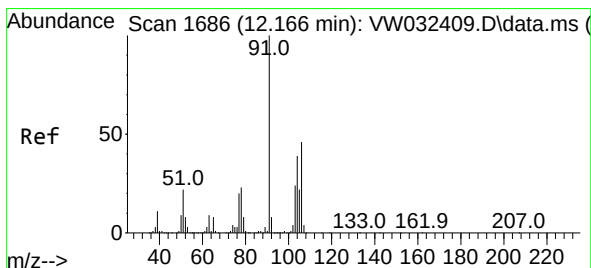
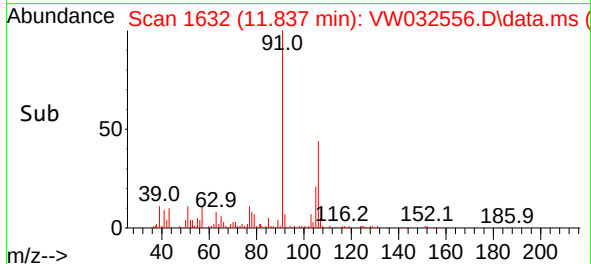
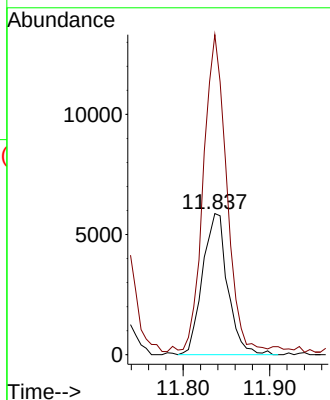
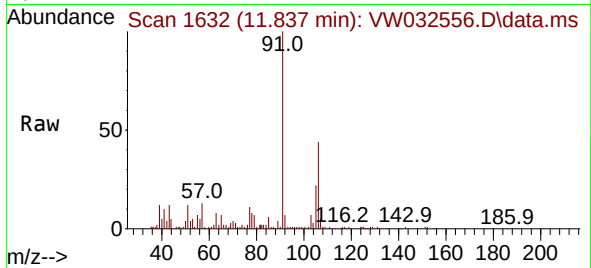




#68
m/p-Xylenes
Concen: 1.656 ug/l
RT: 11.837 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032556.D
Acq: 26 Nov 2025 19:45

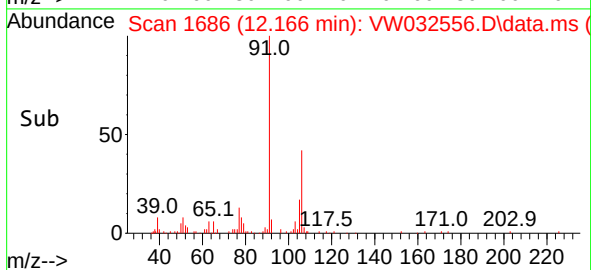
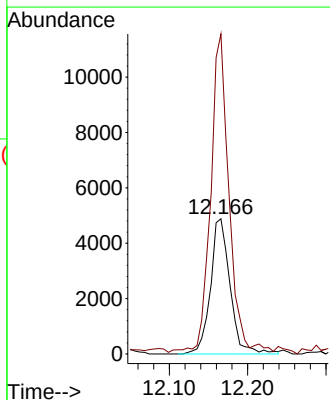
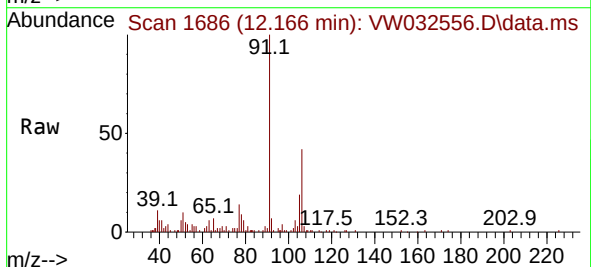
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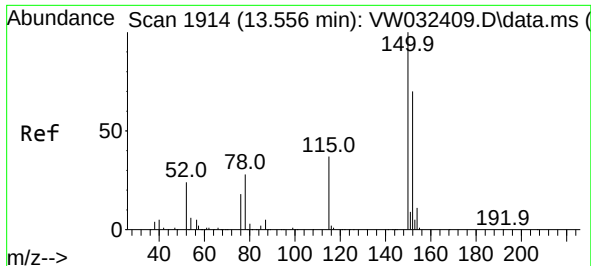
Tgt Ion:106 Resp: 11800
Ion Ratio Lower Upper
106 100
91 208.3 165.5 248.3



#69
o-Xylene
Concen: 1.243 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW032556.D
Acq: 26 Nov 2025 19:45

Tgt Ion:106 Resp: 8485
Ion Ratio Lower Upper
106 100
91 216.5 109.3 327.8

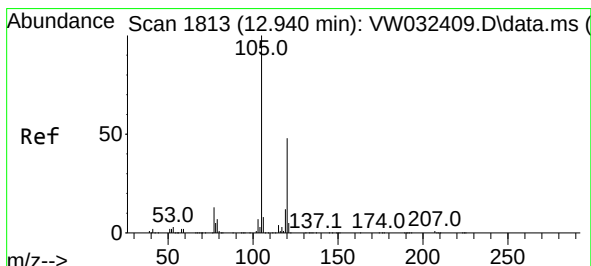
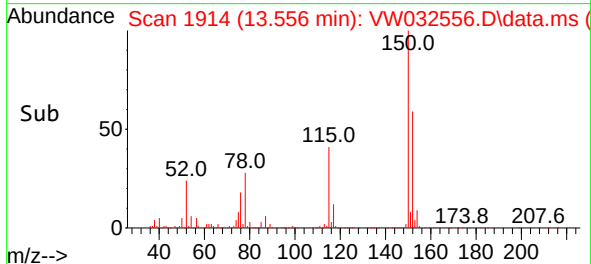
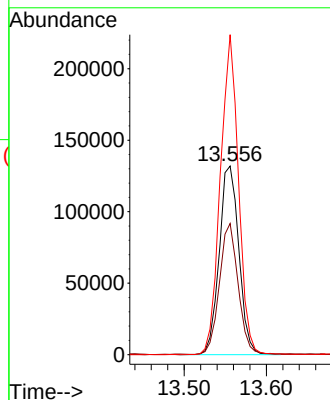
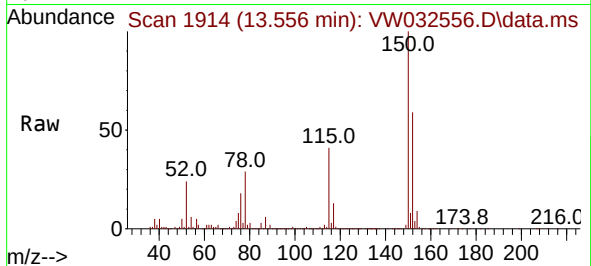




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032556.D
 Acq: 26 Nov 2025 19:45

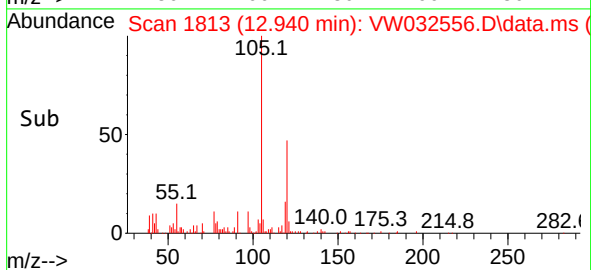
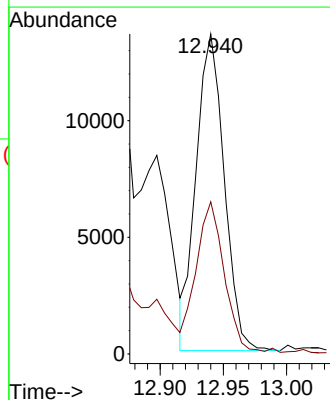
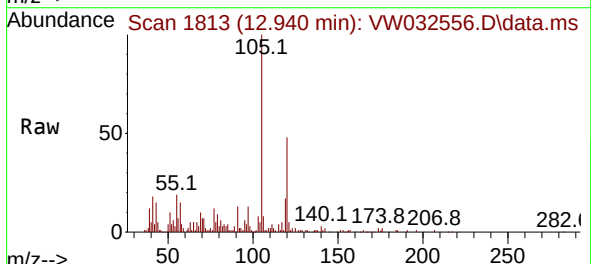
Instrument :
 MSVOA_W
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 SU-04-11-26-2025

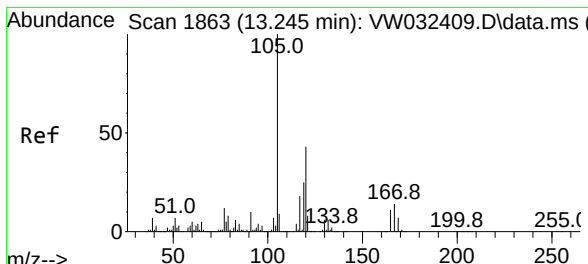
Tgt Ion:152 Resp: 219244
 Ion Ratio Lower Upper
 152 100
 115 66.3 32.8 98.3
 150 156.9 0.0 356.6



#80
 1,3,5-Trimethylbenzene
 Concen: 1.578 ug/l
 RT: 12.940 min Scan# 1813
 Delta R.T. 0.000 min
 Lab File: VW032556.D
 Acq: 26 Nov 2025 19:45

Tgt Ion:105 Resp: 20959
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.2 72.6





#84
 1,2,4-Trimethylbenzene
 Concen: 4.123 ug/l
 RT: 13.245 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW032556.D
 Acq: 26 Nov 2025 19:45

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-04-11-26-2025

Tgt Ion:	105	Resp:	55707
Ion Ratio	Lower	Upper	
105	100		
120	42.4	22.1	66.5

