

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032281.D
 Acq On : 26 Sep 2025 15:31
 Operator : SY/MD
 Sample : Q3222-01
 Misc : 5.11g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-092625

Quant Time: Sep 29 08:40:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

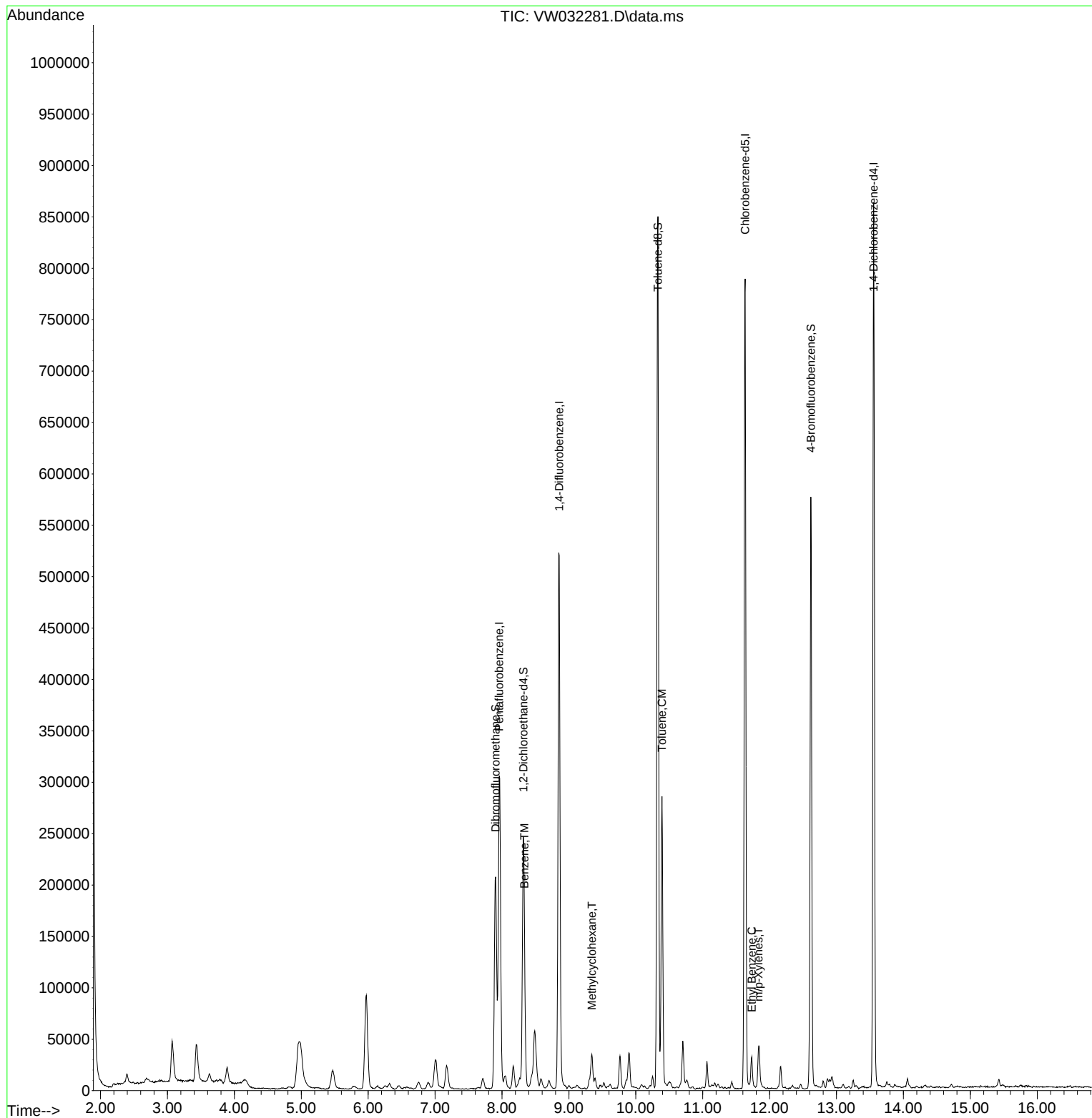
Internal Standards						
1) Pentafluorobenzene	7.959	168	203104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	438603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	431422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	212662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	186665	58.206	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	116.420%	
35) Dibromofluoromethane	7.904	113	156066	49.477	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	98.960%	
50) Toluene-d8	10.331	98	563208	49.543	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	99.080%	
62) 4-Bromofluorobenzene	12.617	95	197241	45.998	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	92.000%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.343	83	11626	2.363	ug/l	93
40) Benzene	8.337	78	38145	2.850	ug/l	97
52) Toluene	10.392	92	119795	14.439	ug/l	98
67) Ethyl Benzene	11.733	91	19113	1.175	ug/l	95
68) m/p-Xylenes	11.837	106	13781	2.210	ug/l	93

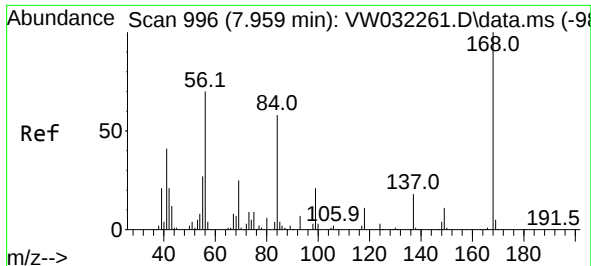
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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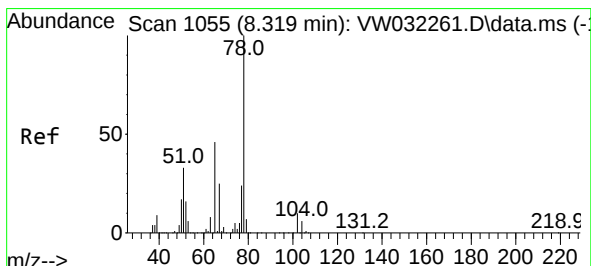
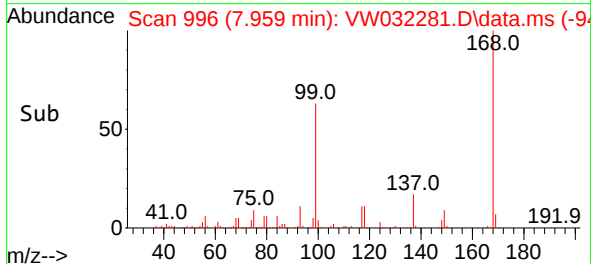
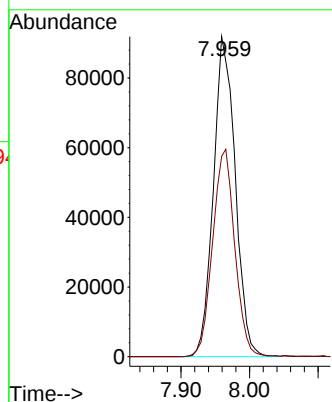
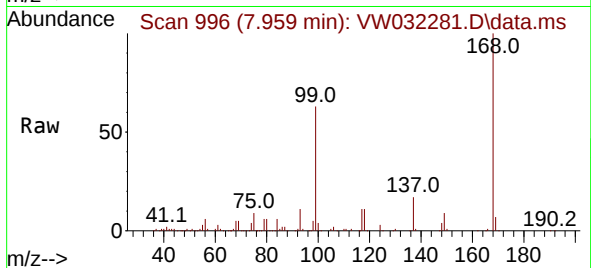




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032281.D
Acq: 26 Sep 2025 15:31

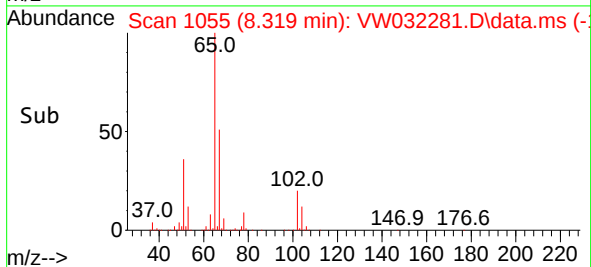
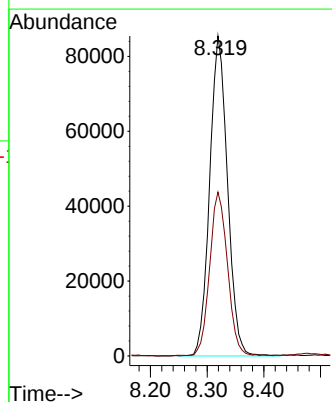
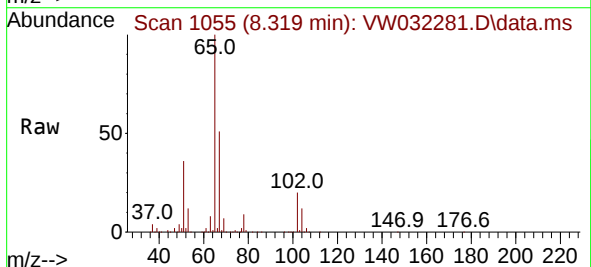
Instrument :
MSVOA_W
ClientSampleId :
SU-03-092625

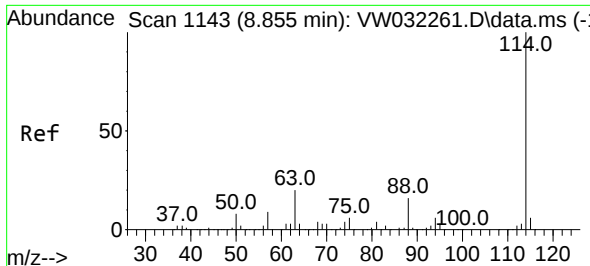
Tgt Ion:168 Resp: 203104
Ion Ratio Lower Upper
168 100
99 62.6 55.0 82.4



#33
1,2-Dichloroethane-d4
Concen: 58.206 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032281.D
Acq: 26 Sep 2025 15:31

Tgt Ion: 65 Resp: 186665
Ion Ratio Lower Upper
65 100
67 50.9 0.0 105.8

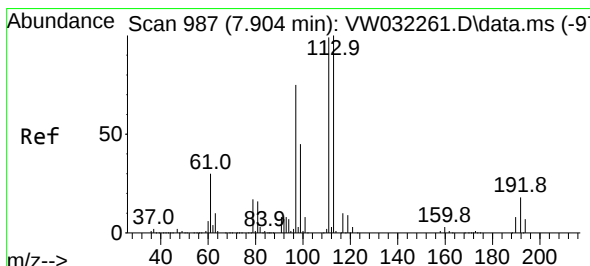
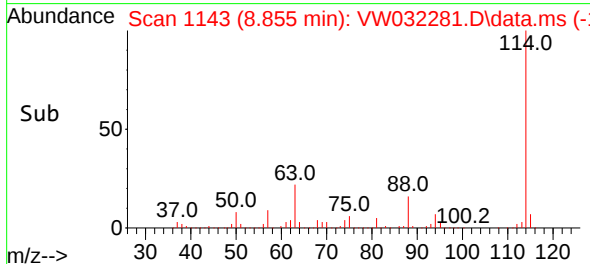
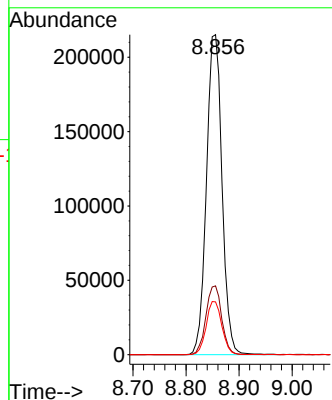
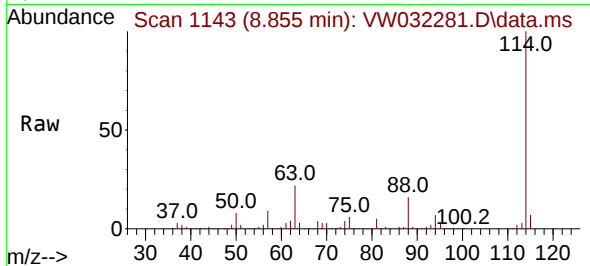




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW032281.D
Acq: 26 Sep 2025 15:31

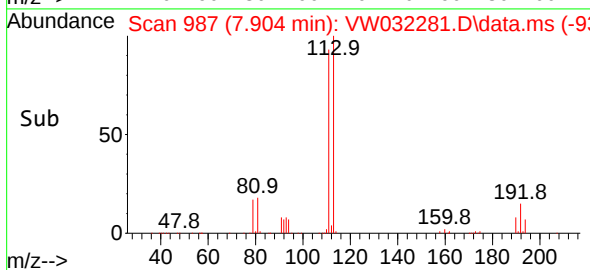
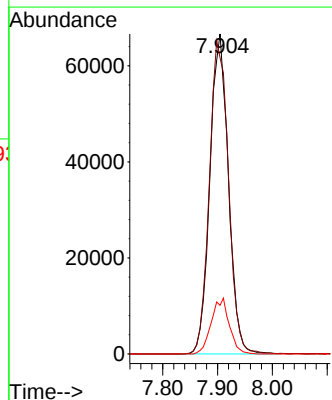
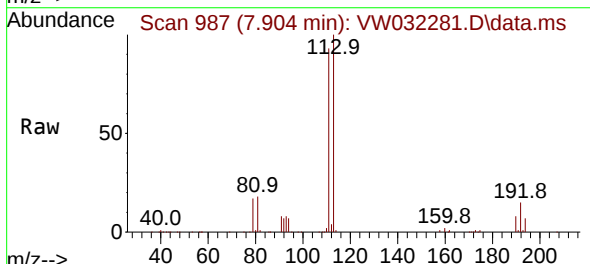
Instrument :
MSVOA_W
ClientSampleId :
SU-03-092625

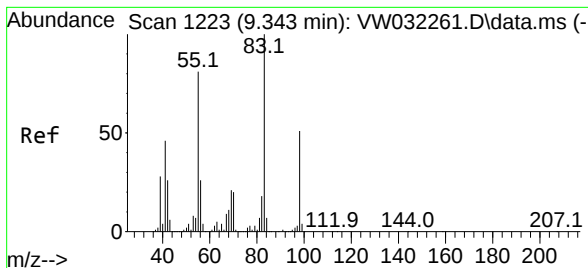
Tgt Ion:114 Resp: 438603
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.2
88 16.5 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.477 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032281.D
Acq: 26 Sep 2025 15:31

Tgt Ion:113 Resp: 156066
Ion Ratio Lower Upper
113 100
111 101.3 81.8 122.8
192 17.0 13.0 19.4





#39

Methylcyclohexane

Concen: 2.363 ug/l

RT: 9.343 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032281.D

Acq: 26 Sep 2025 15:31

Instrument :

MSVOA_W

ClientSampleId :

SU-03-092625

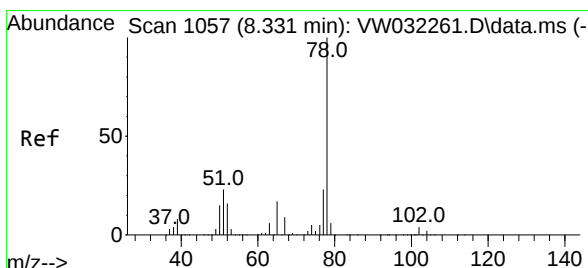
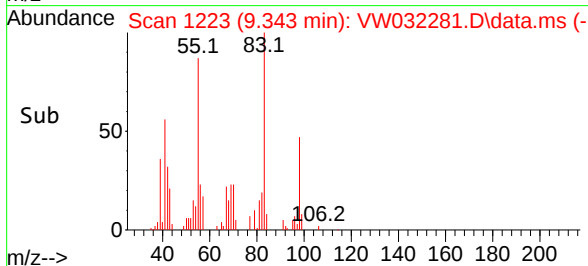
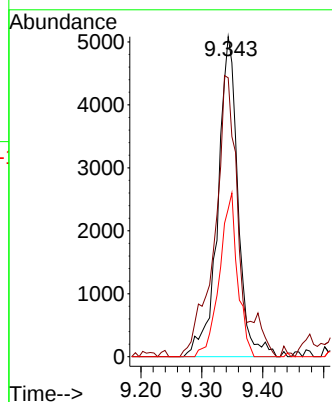
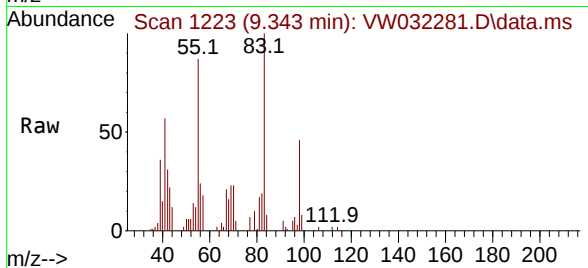
Tgt Ion: 83 Resp: 11626

Ion Ratio Lower Upper

83 100

55 87.1 65.0 97.6

98 46.1 40.8 61.2



#40

Benzene

Concen: 2.850 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VW032281.D

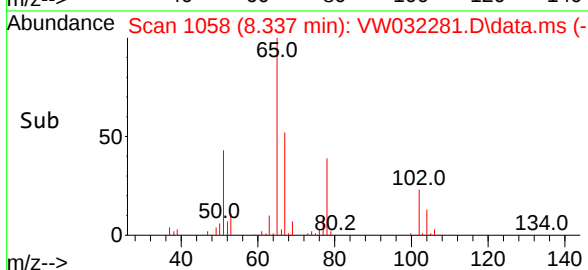
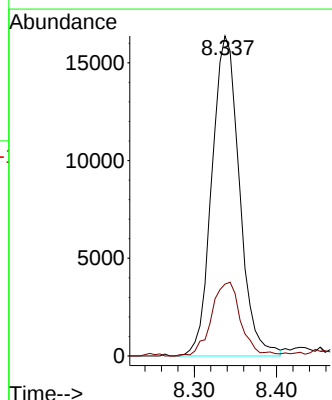
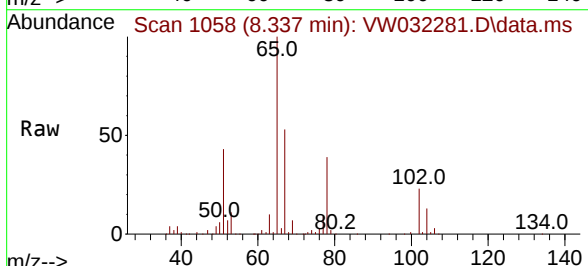
Acq: 26 Sep 2025 15:31

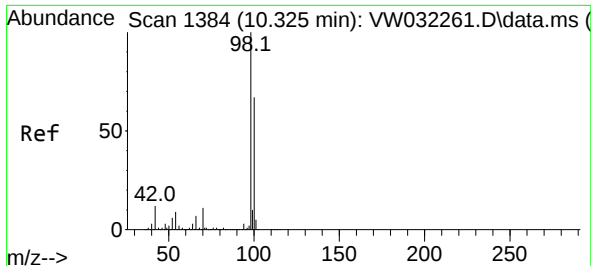
Tgt Ion: 78 Resp: 38145

Ion Ratio Lower Upper

78 100

77 22.1 18.7 28.1

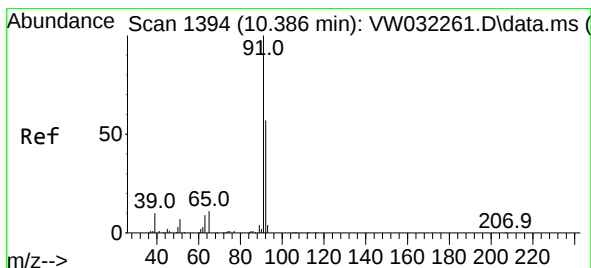
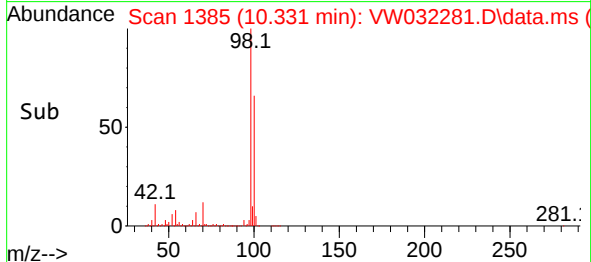
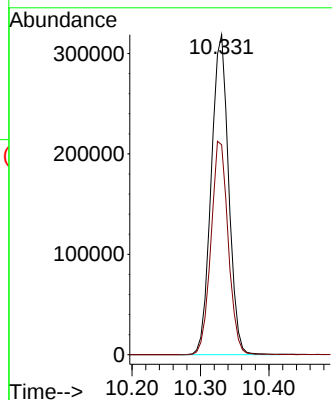
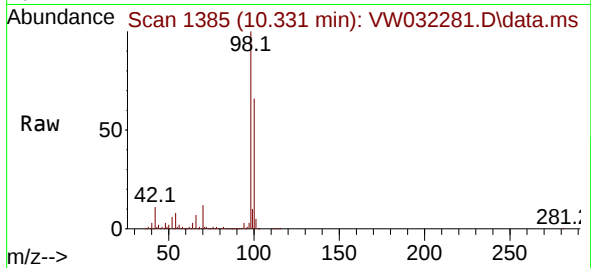




#50
Toluene-d8
Concen: 49.543 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032281.D
Acq: 26 Sep 2025 15:31

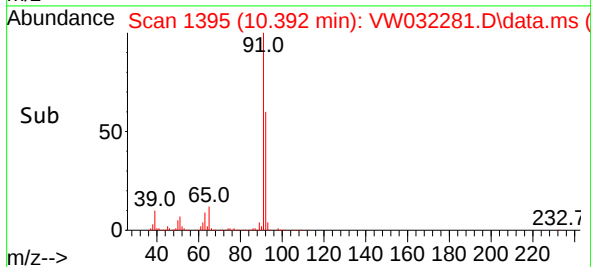
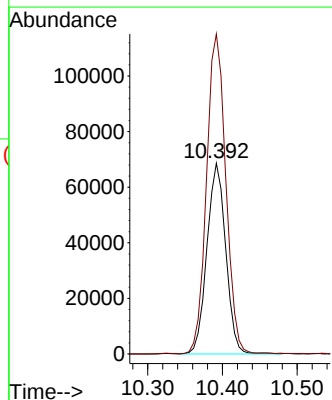
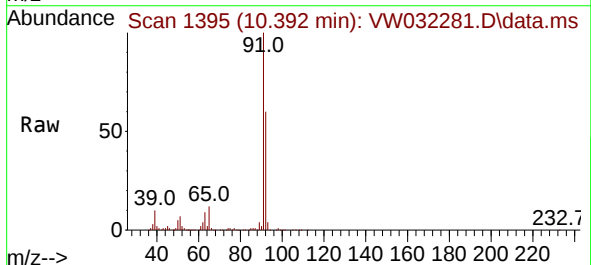
Instrument :
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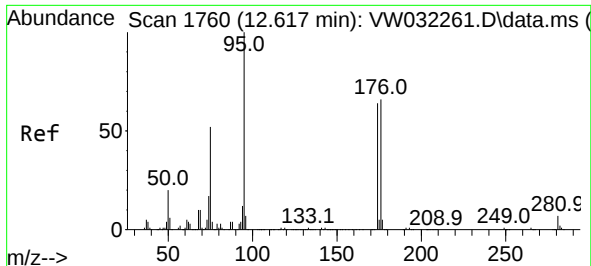
Tgt Ion: 98 Resp: 563208
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4



#52
Toluene
Concen: 14.439 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VW032281.D
Acq: 26 Sep 2025 15:31

Tgt Ion: 92 Resp: 119795
Ion Ratio Lower Upper
92 100
91 171.9 139.2 208.8

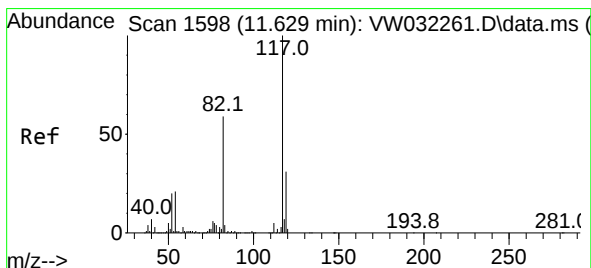
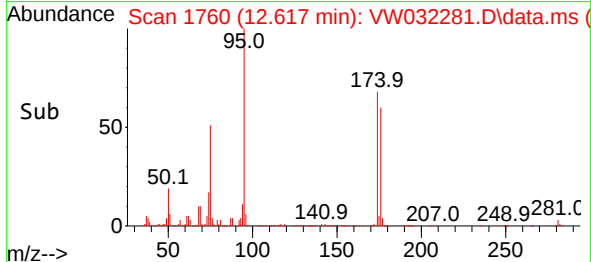
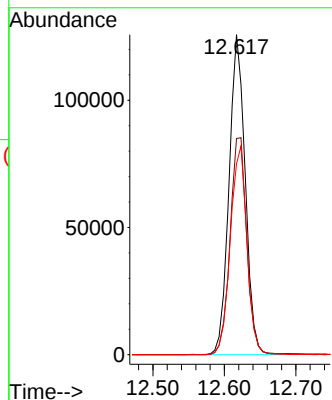
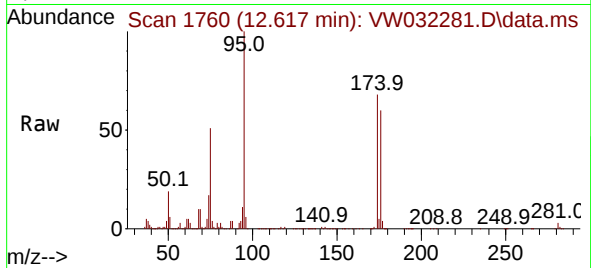




#62
4-Bromofluorobenzene
Concen: 45.998 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032281.D
Acq: 26 Sep 2025 15:31

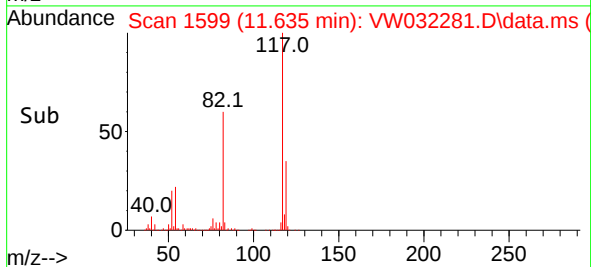
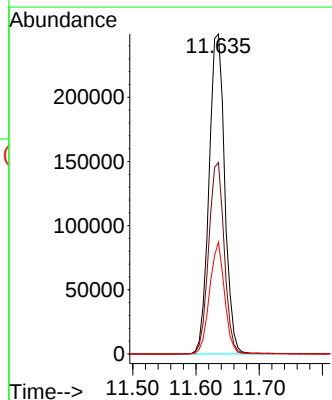
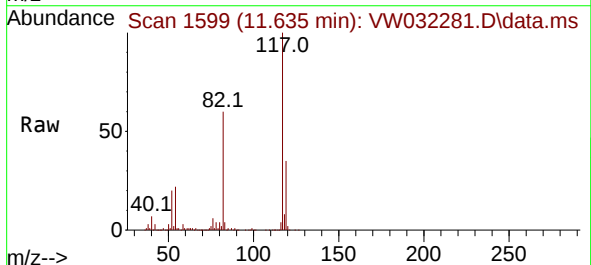
Instrument :
MSVOA_W
ClientSampleId :
SU-03-092625

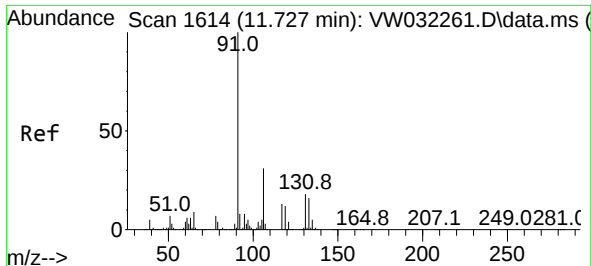
Tgt Ion: 95 Resp: 197241
Ion Ratio Lower Upper
95 100
174 70.3 0.0 130.6
176 66.7 0.0 127.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032281.D
Acq: 26 Sep 2025 15:31

Tgt Ion: 117 Resp: 431422
Ion Ratio Lower Upper
117 100
82 59.8 46.9 70.3
119 35.0 24.9 37.3





#67

Ethyl Benzene

Concen: 1.175 ug/l

RT: 11.733 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032281.D

Acq: 26 Sep 2025 15:31

Instrument :

MSVOA_W

ClientSampleId :

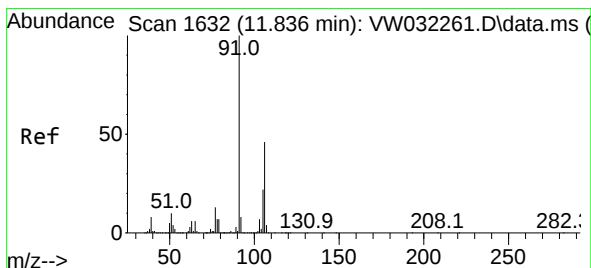
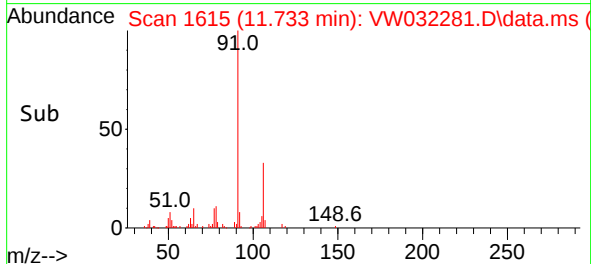
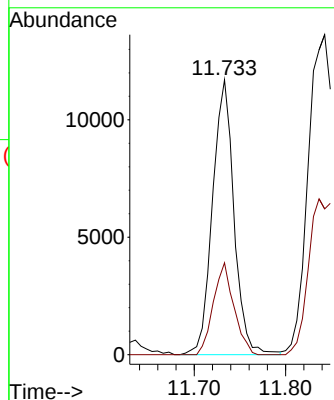
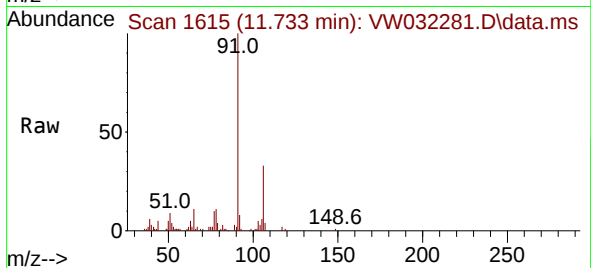
SU-03-092625

Tgt Ion: 91 Resp: 19113

Ion Ratio Lower Upper

91 100

106 33.4 24.7 37.1



#68

m/p-Xylenes

Concen: 2.210 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW032281.D

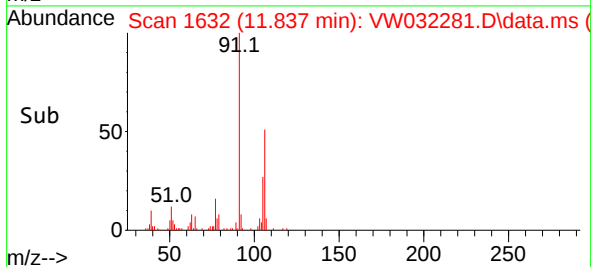
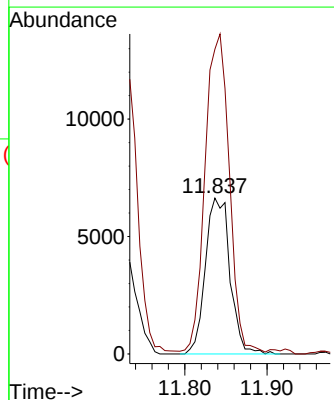
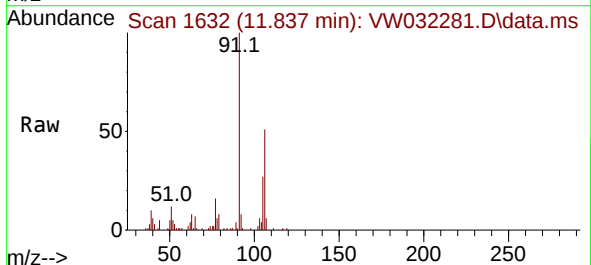
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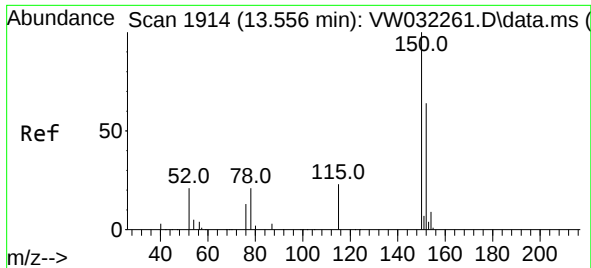
Tgt Ion:106 Resp: 13781

Ion Ratio Lower Upper

106 100

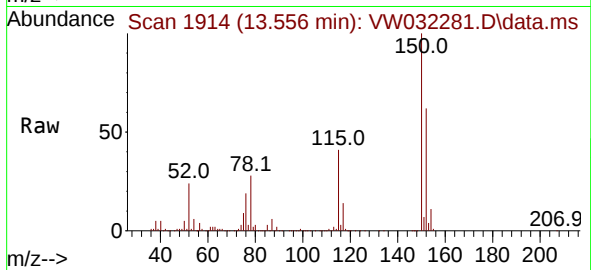
91 200.5 169.0 253.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032281.D
 Acq: 26 Sep 2025 15:31

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-092625



Tgt Ion:	152	Resp:	212662
Ion	Ratio	Lower	Upper
152	100		
115	68.1	32.5	97.5
150	160.9	0.0	370.2

