

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032118.D
 Acq On : 22 Aug 2025 17:56
 Operator : SY/MD
 Sample : Q2926-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-08212025

Quant Time: Aug 25 04:00:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

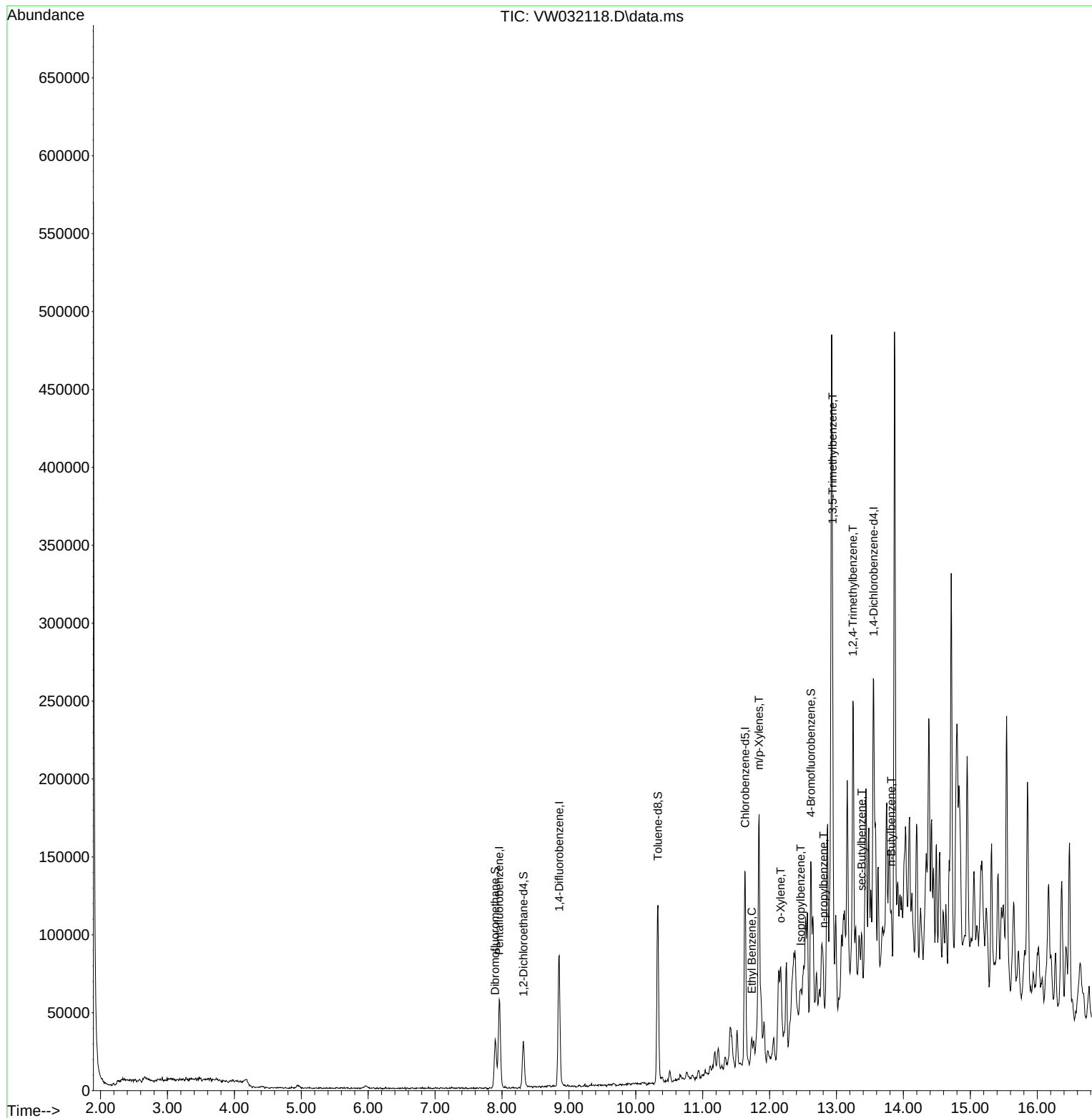
Internal Standards						
1) Pentafluorobenzene	7.959	168	39834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	71007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	70874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	34804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	23891	41.469	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	82.940%
35) Dibromofluoromethane	7.898	113	22350	48.721	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.440%
50) Toluene-d8	10.330	98	74776	44.071	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	88.140%
62) 4-Bromofluorobenzene	12.617	95	30077	48.103	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.200%
Target Compounds						
					Qvalue	
67) Ethyl Benzene	11.733	91	10091	3.862	ug/l	95
68) m/p-Xylenes	11.842	106	15623	15.494	ug/l	97
69) o-Xylene	12.165	106	10914	11.711	ug/l	95
73) Isopropylbenzene	12.464	105	6803	2.797	ug/l	96
78) n-propylbenzene	12.806	91	22098	7.379	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	41221	19.962	ug/l	97
84) 1,2,4-Trimethylbenzene	13.244	105	103870	49.414	ug/l	99
85) sec-Butylbenzene	13.379	105	14507	5.599	ug/l	79
89) n-Butylbenzene	13.818	91	14958	7.128	ug/l #	75

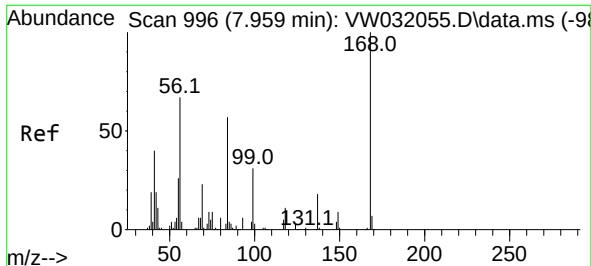
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TR-04-08212025

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Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

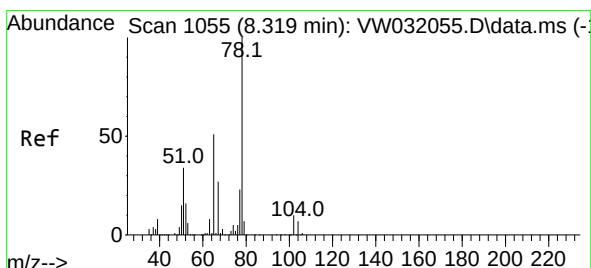
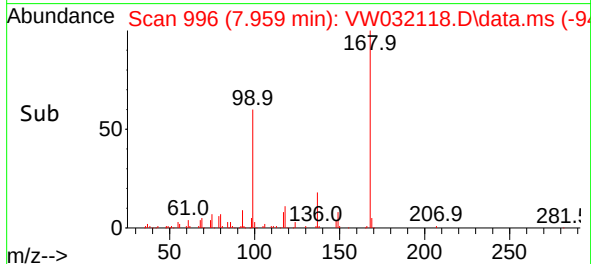
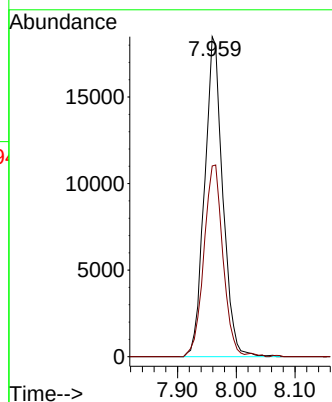
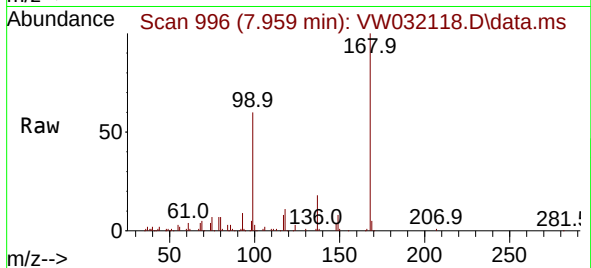




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW032118.D
Acq: 22 Aug 2025 17:56

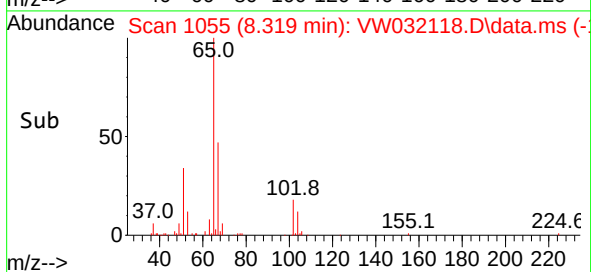
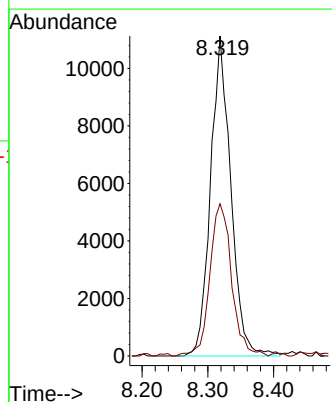
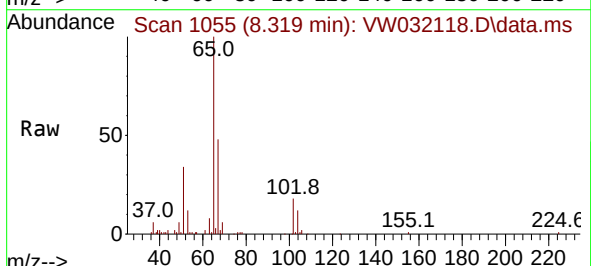
Instrument :
MSVOA_W
ClientSampleId :
TR-04-08212025

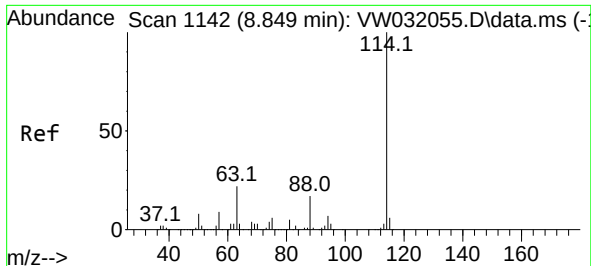
Tgt Ion:168 Resp: 39834
Ion Ratio Lower Upper
168 100
99 59.6 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 41.469 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032118.D
Acq: 22 Aug 2025 17:56

Tgt Ion: 65 Resp: 23891
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.4

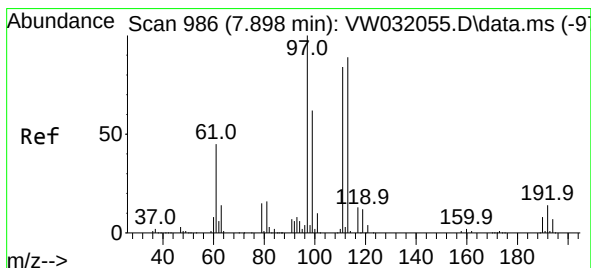
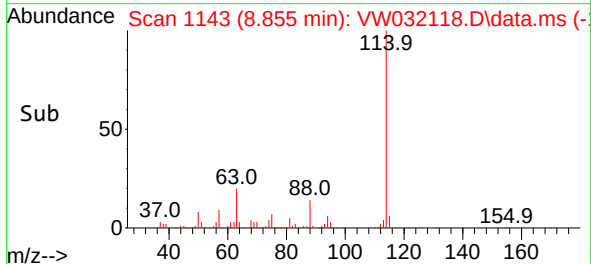
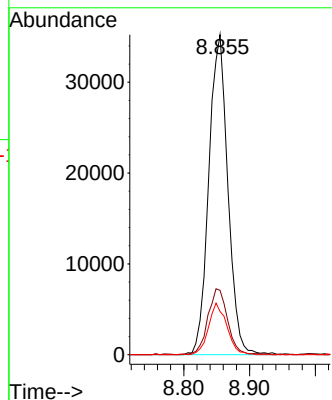
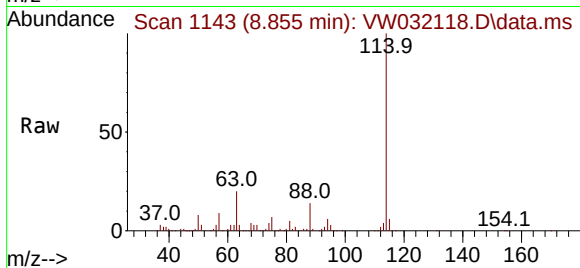




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032118.D
 Acq: 22 Aug 2025 17:56

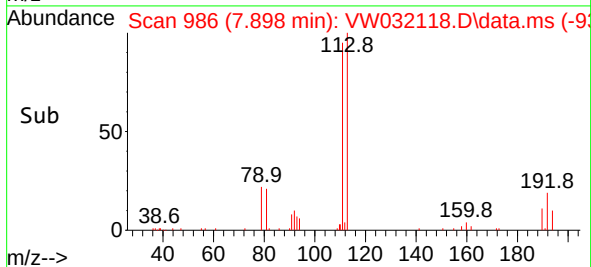
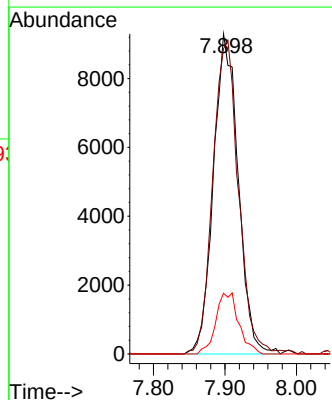
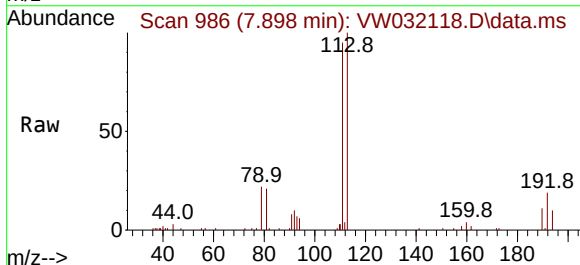
Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-08212025

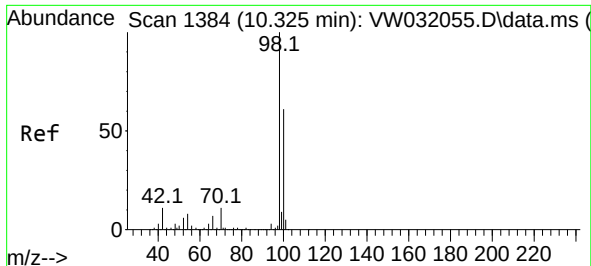
Tgt Ion:	114	Resp:	71007
Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	43.0
88	13.5	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 48.721 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.000 min
 Lab File: VW032118.D
 Acq: 22 Aug 2025 17:56

Tgt Ion:	113	Resp:	22350
Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.1	120.1
192	17.6	13.1	19.7

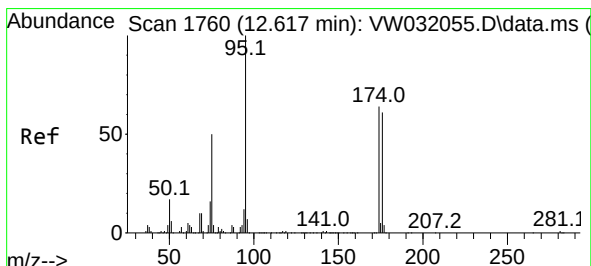
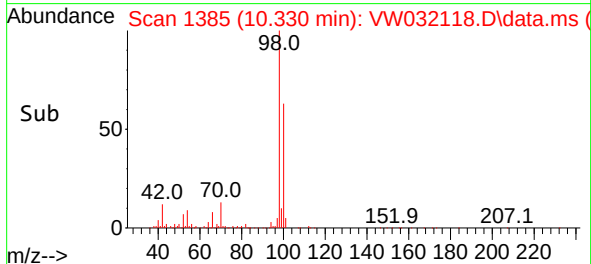
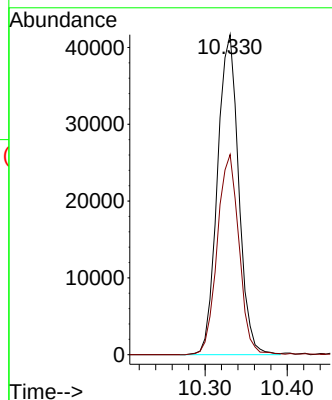
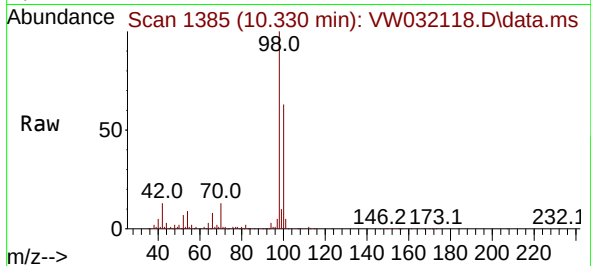




#50
Toluene-d8
Concen: 44.071 ug/l
RT: 10.330 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032118.D
Acq: 22 Aug 2025 17:56

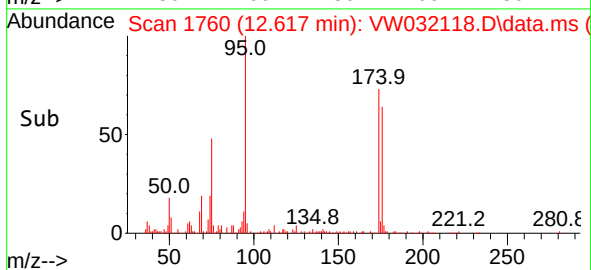
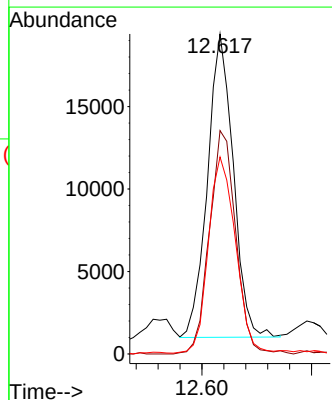
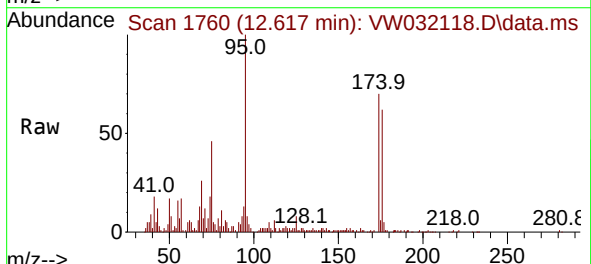
Instrument :
MSVOA_W
ClientSampleId :
TR-04-08212025

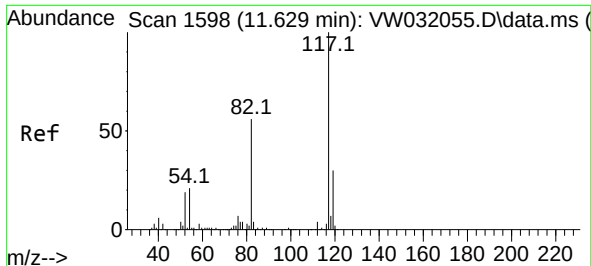
Tgt Ion: 98 Resp: 74776
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 48.103 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032118.D
Acq: 22 Aug 2025 17:56

Tgt Ion: 95 Resp: 30077
Ion Ratio Lower Upper
95 100
174 75.1 0.0 129.0
176 68.1 0.0 124.6

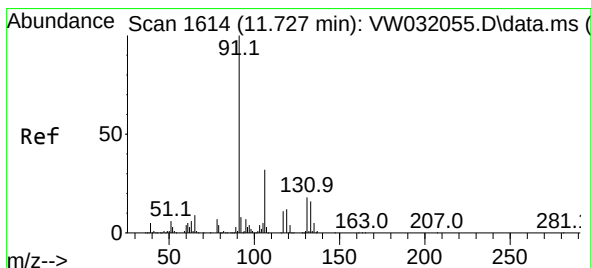
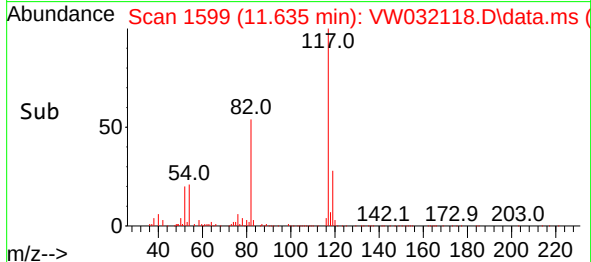
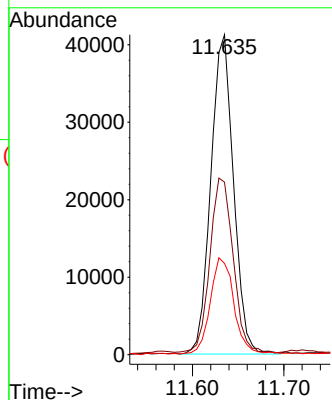
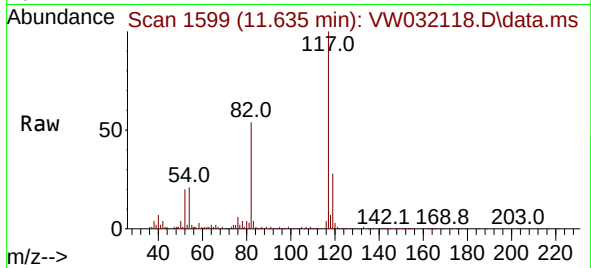




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032118.D
Acq: 22 Aug 2025 17:56

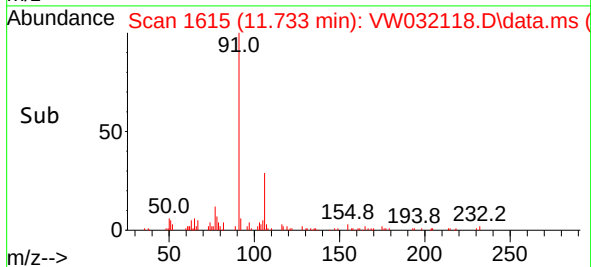
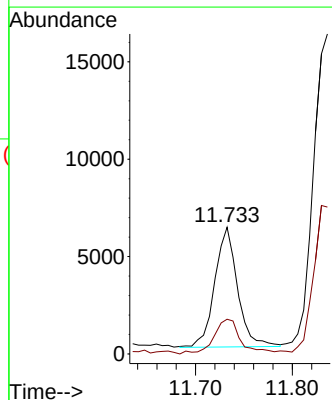
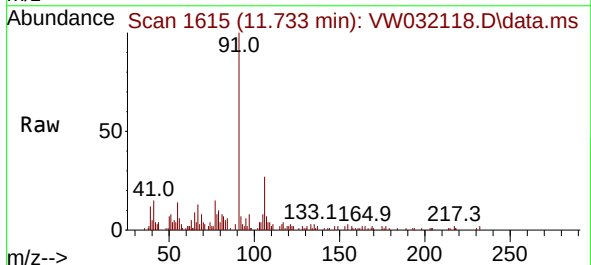
Instrument :
MSVOA_W
ClientSampleId :
TR-04-08212025

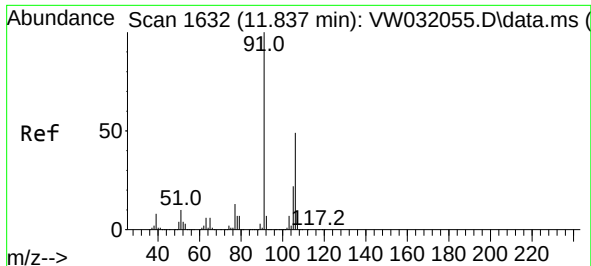
Tgt Ion:117 Resp: 70874
Ion Ratio Lower Upper
117 100
82 53.2 45.0 67.4
119 28.3 24.2 36.4



#67
Ethyl Benzene
Concen: 3.862 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032118.D
Acq: 22 Aug 2025 17:56

Tgt Ion: 91 Resp: 10091
Ion Ratio Lower Upper
91 100
106 29.1 25.4 38.0

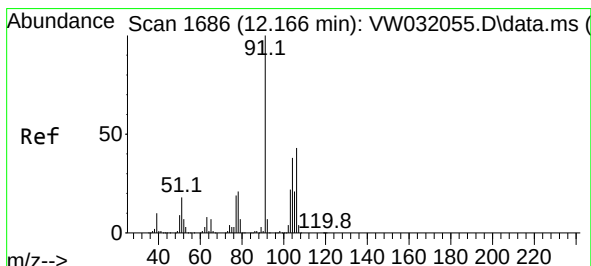
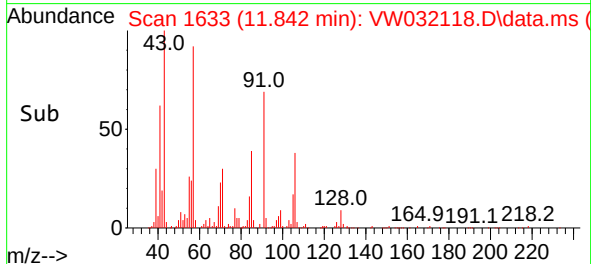
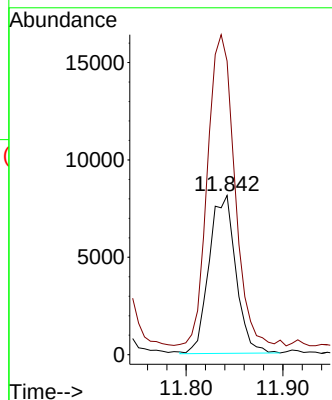
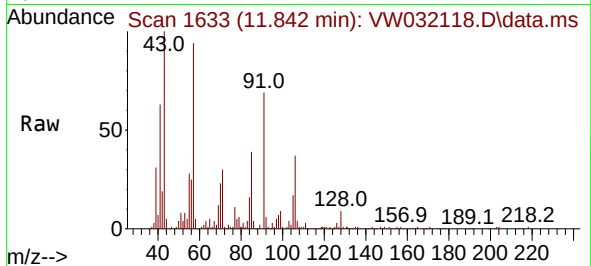




#68
m/p-Xylenes
Concen: 15.494 ug/l
RT: 11.842 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032118.D
Acq: 22 Aug 2025 17:56

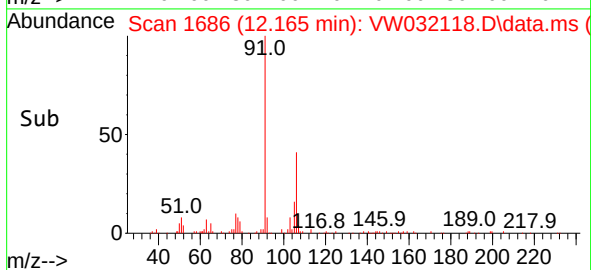
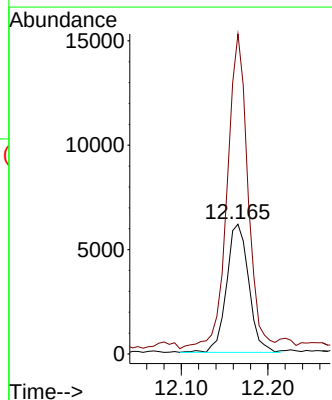
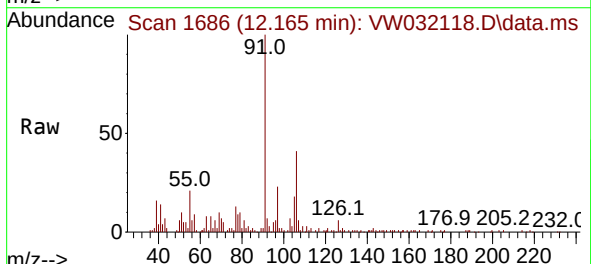
Instrument :
MSVOA_W
ClientSampleId :
TR-04-08212025

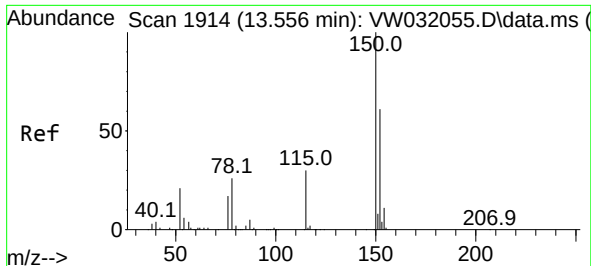
Tgt Ion:106 Resp: 15623
Ion Ratio Lower Upper
106 100
91 198.1 162.2 243.2



#69
o-Xylene
Concen: 11.711 ug/l
RT: 12.165 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032118.D
Acq: 22 Aug 2025 17:56

Tgt Ion:106 Resp: 10914
Ion Ratio Lower Upper
106 100
91 229.5 110.8 332.3

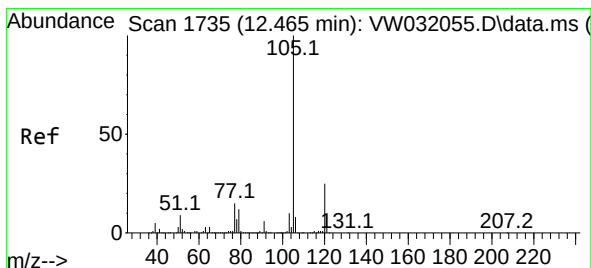
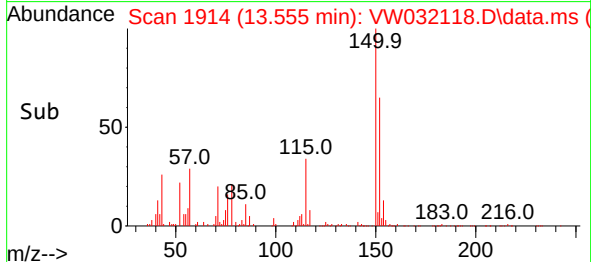
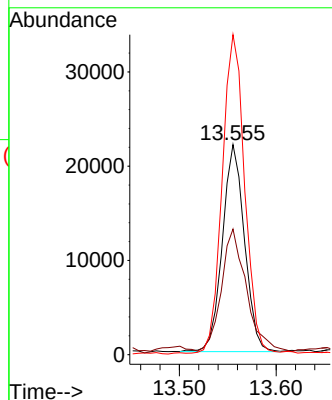
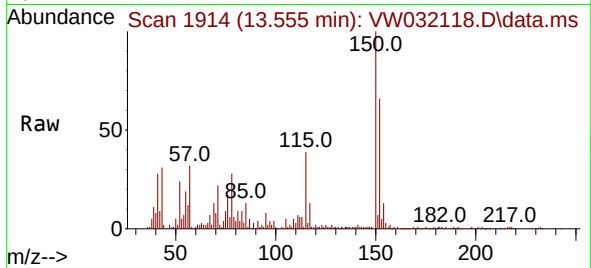




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032118.D
Acq: 22 Aug 2025 17:56

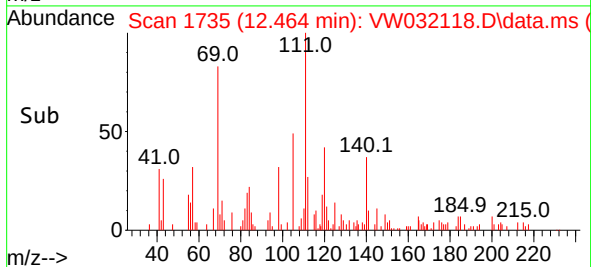
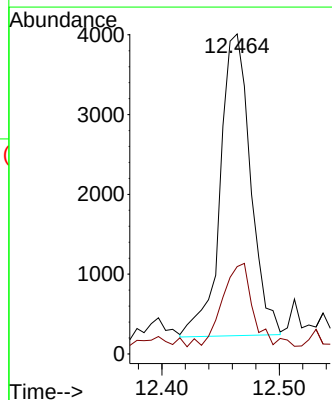
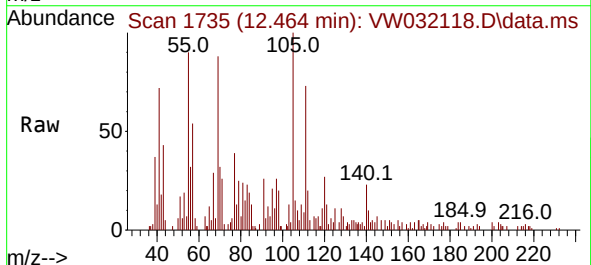
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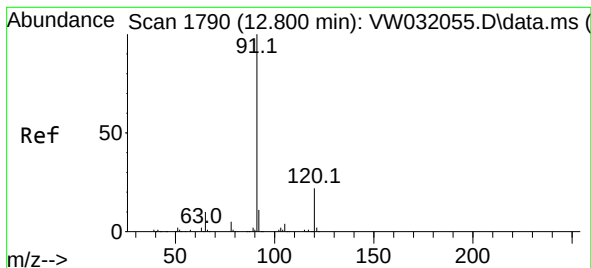
Tgt Ion:152 Resp: 34804
Ion Ratio Lower Upper
152 100
115 67.0 32.6 97.8
150 158.3 0.0 359.4



#73
Isopropylbenzene
Concen: 2.797 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VW032118.D
Acq: 22 Aug 2025 17:56

Tgt Ion:105 Resp: 6803
Ion Ratio Lower Upper
105 100
120 27.8 12.8 38.4





#78

n-propylbenzene

Concen: 7.379 ug/l

RT: 12.806 min Scan# 1790

Delta R.T. 0.006 min

Lab File: VW032118.D

Acq: 22 Aug 2025 17:56

Instrument :

MSVOA_W

ClientSampleId :

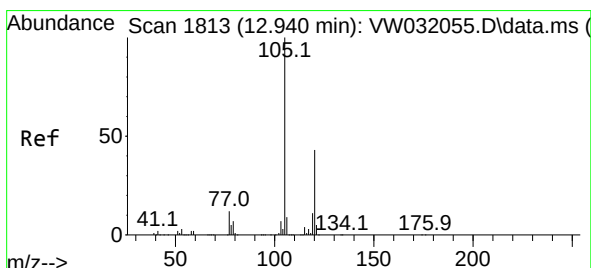
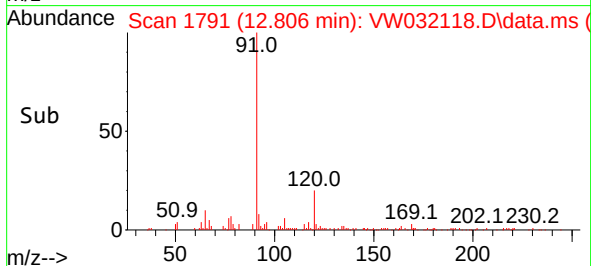
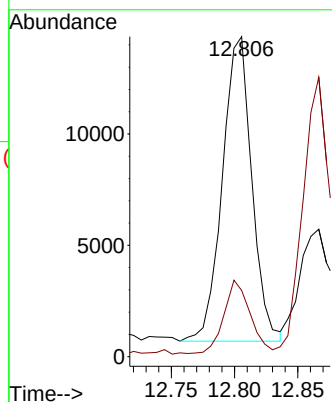
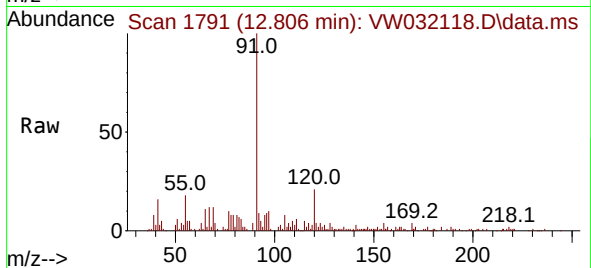
TR-04-08212025

Tgt Ion: 91 Resp: 22098

Ion Ratio Lower Upper

91 100

120 21.3 11.1 33.3



#80

1,3,5-Trimethylbenzene

Concen: 19.962 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032118.D

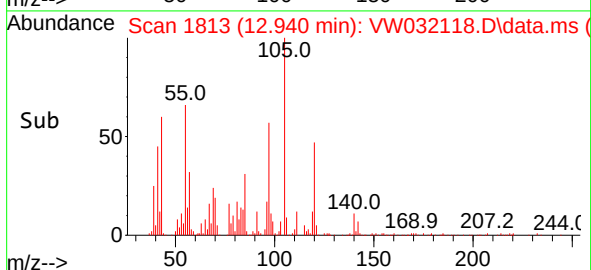
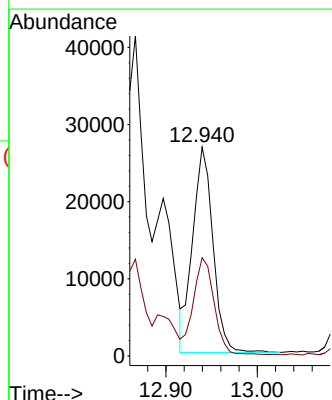
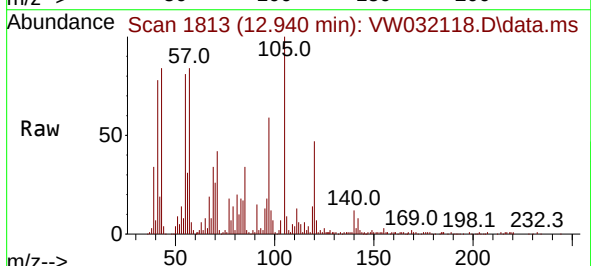
Acq: 22 Aug 2025 17:56

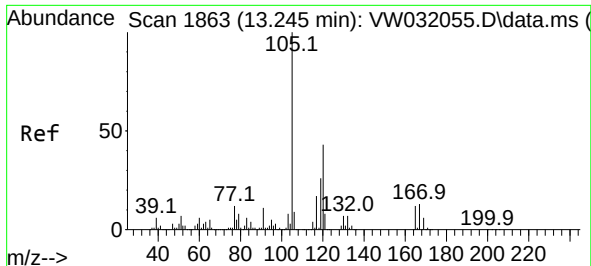
Tgt Ion: 105 Resp: 41221

Ion Ratio Lower Upper

105 100

120 48.4 23.4 70.0

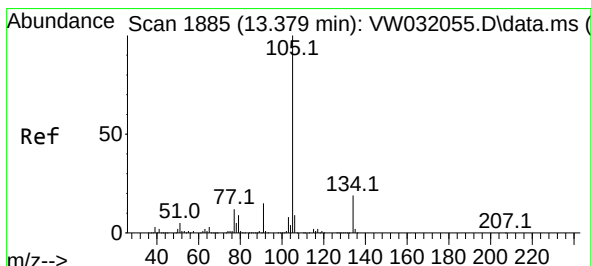
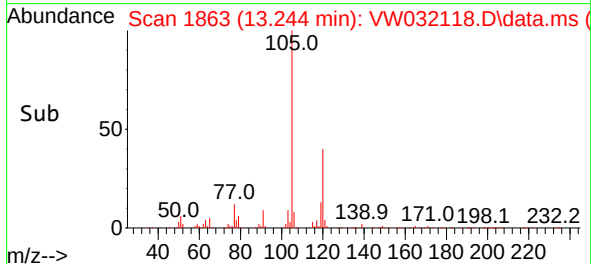
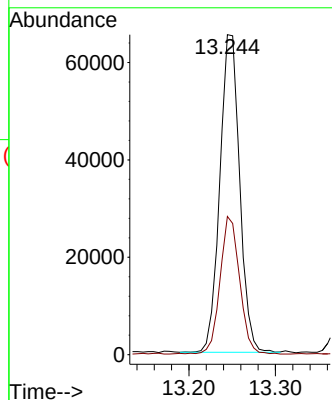
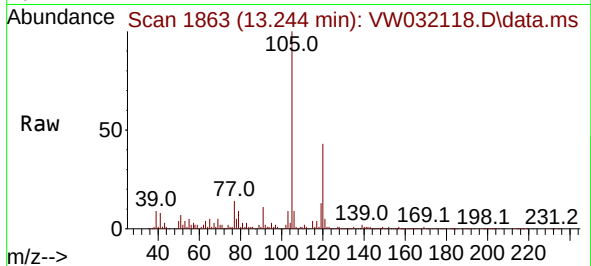




#84
1,2,4-Trimethylbenzene
Concen: 49.414 ug/l
RT: 13.244 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032118.D
Acq: 22 Aug 2025 17:56

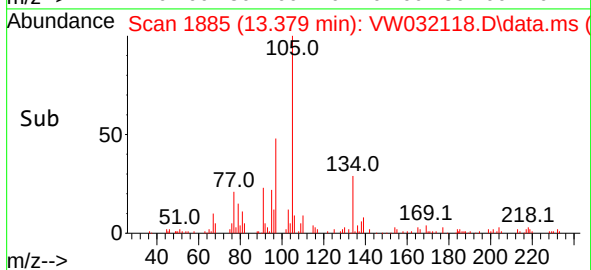
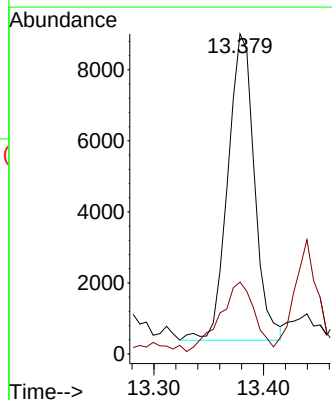
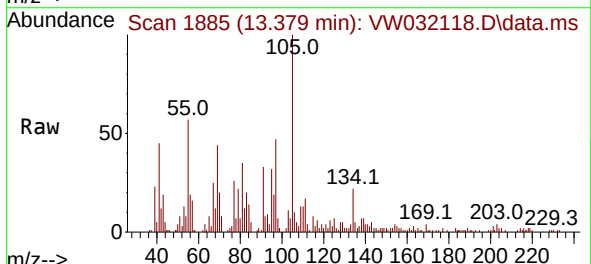
Instrument :
MSVOA_W
ClientSampleId :
TR-04-08212025

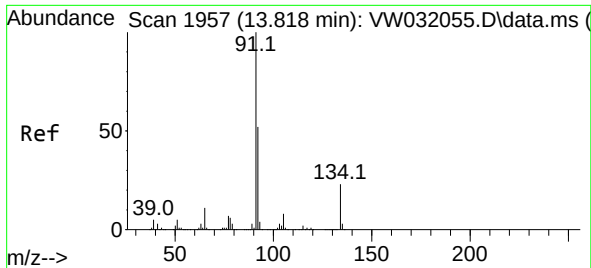
Tgt Ion:105 Resp: 103870
Ion Ratio Lower Upper
105 100
120 42.7 21.6 64.8



#85
sec-Butylbenzene
Concen: 5.599 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VW032118.D
Acq: 22 Aug 2025 17:56

Tgt Ion:105 Resp: 14507
Ion Ratio Lower Upper
105 100
134 29.5 9.9 29.7





#89
 n-Butylbenzene
 Concen: 7.128 ug/l
 RT: 13.818 min Scan# 14958
 Delta R.T. -0.000 min
 Lab File: VW032118.D
 Acq: 22 Aug 2025 17:56

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-08212025

Tgt Ion: 91	Resp: 14958
Ion Ratio	Lower Upper
91	100
92	63.1 26.7 80.1
134	0.0 12.0 36.1#

