

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063426.D
 Acq On : 23 Jun 2025 14:07
 Operator : MD/SY
 Sample : VIBLK
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: Jun 24 05:14:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 05:06:50 2025
 Response via : Initial Calibration

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

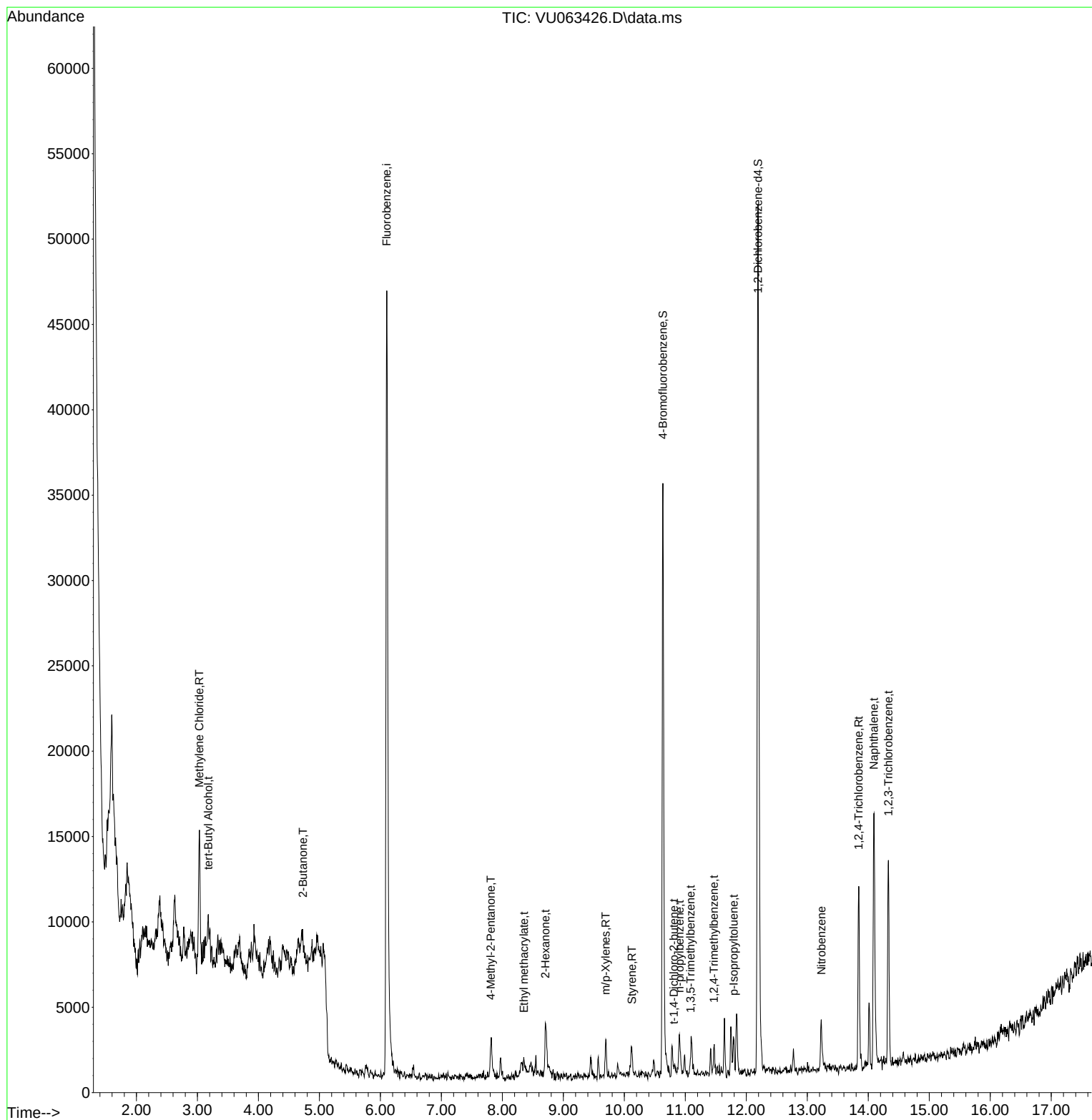
Internal Standards						
1) Fluorobenzene	6.103	96	47811	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	13388	0.763	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	14454	0.820	ug/l	0.00
Spiked Amount 1.000			Recovery	=	82.000%	
Target Compounds						
					Qvalue	
13) Acetone	2.621	43	2337	Below Cal		98
15) Methylene Chloride	3.030	84	3277	0.206	ug/l	86
18) 2-Butanone	4.731	43	1745	0.345	ug/l	77
24) tert-Butyl Alcohol	3.178	59	1024	0.858	ug/l #	73
45) 4-Methyl-2-Pentanone	7.811	43	2671	0.310	ug/l #	72
46) t-1,4-Dichloro-2-butene	10.811	75	574	0.202	ug/l #	24
48) Ethyl methacrylate	8.351	69	248	0.326	ug/l #	30
54) 2-Hexanone	8.705	43	1615	1.372	ug/l #	48
64) m/p-Xylenes	9.695	106	769	0.814	ug/l	89
66) Styrene	10.123	104	845	0.431	ug/l #	82
73) n-propylbenzene	10.904	120	153	0.373	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.087	105	903	0.391	ug/l	90
78) 1,2,4-Trimethylbenzene	11.467	105	1493	0.441	ug/l	87
80) Nitrobenzene	13.229	77	2752	5.317	ug/l #	61
81) p-Isopropyltoluene	11.795	119	1697	0.438	ug/l #	84
87) 1,2,4-Trichlorobenzene	13.840	180	4082	0.255	ug/l	94
89) Naphthalene	14.090	128	15986	1.319	ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	4580	0.287	ug/l	96

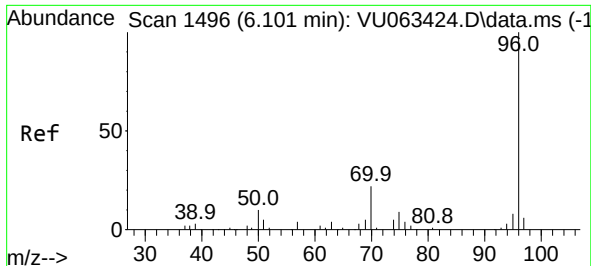
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 24 05:14:50 2025
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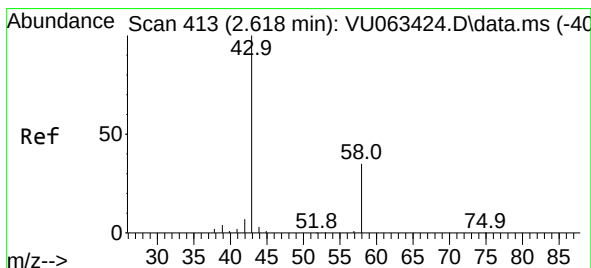
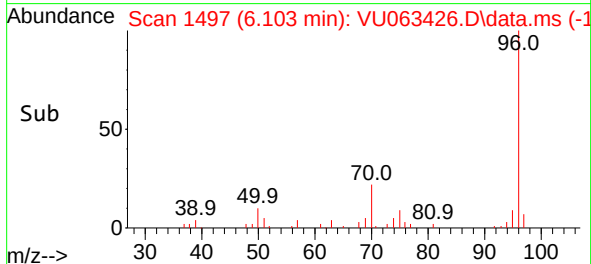
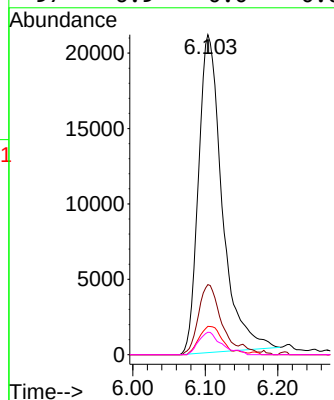
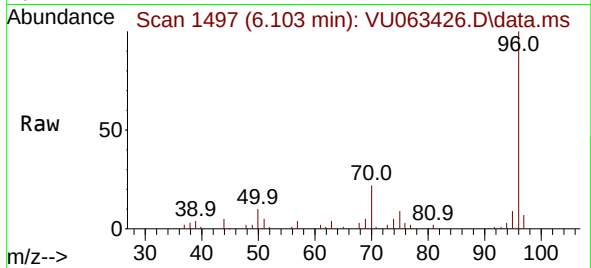




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.103 min Scan# 1496
Delta R.T. 0.002 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

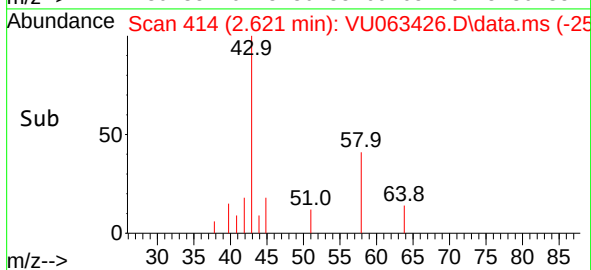
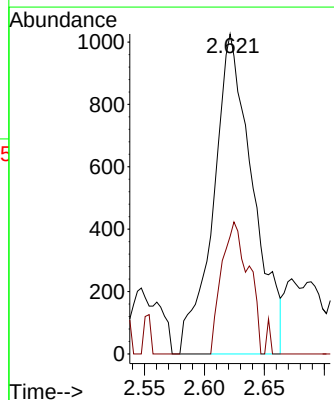
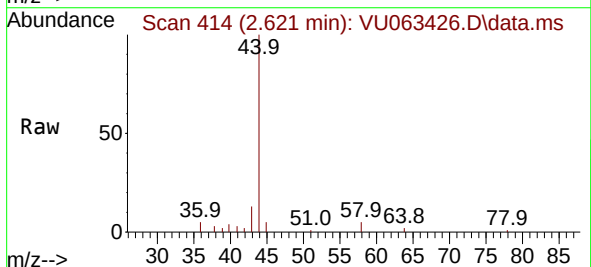
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

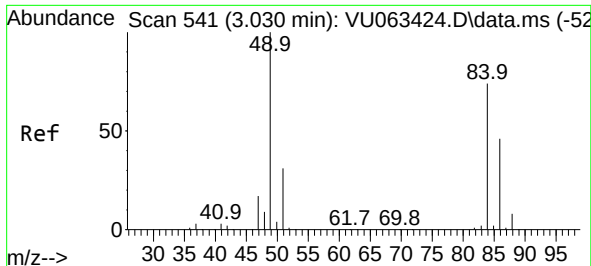
Tgt Ion: 96 Resp: 47811
Ion Ratio Lower Upper
96 100
70 18.0 16.4 24.6
95 7.6 6.2 9.2
97 6.9 0.0 0.0#



#13
Acetone
Concen: Below Cal
RT: 2.621 min Scan# 414
Delta R.T. 0.003 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

Tgt Ion: 43 Resp: 2337
Ion Ratio Lower Upper
43 100
58 36.7 28.3 42.5

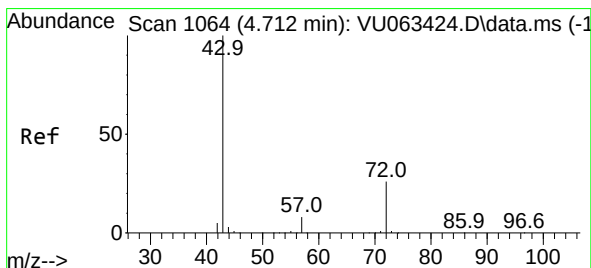
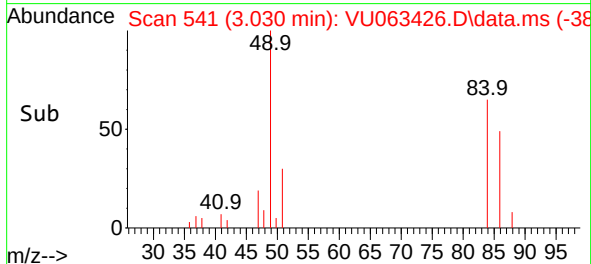
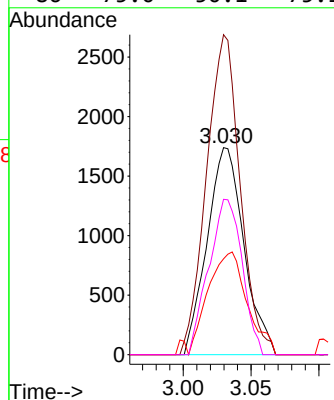
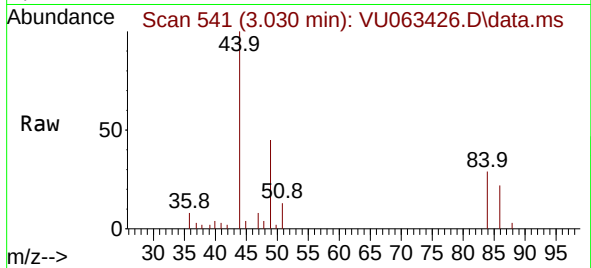




#15
Methylene Chloride
Concen: 0.206 ug/l
RT: 3.030 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

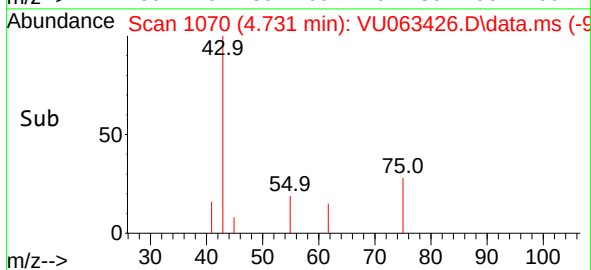
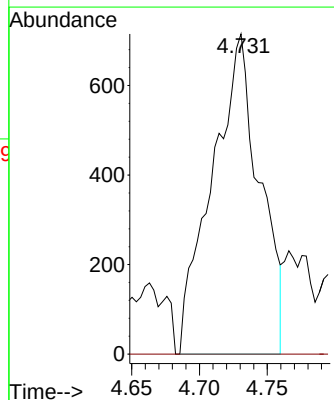
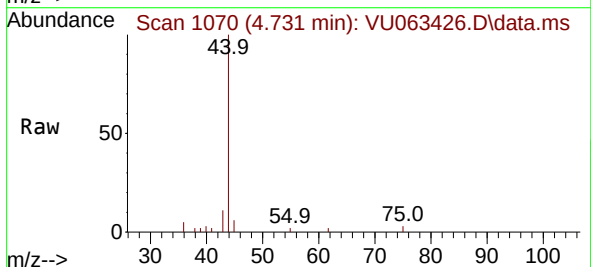
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

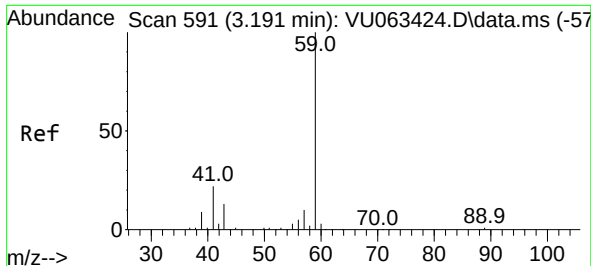
Tgt Ion:	84	Resp:	3277
Ion	Ratio	Lower	Upper
84	100		
49	154.6	108.7	163.1
51	46.3	0.0	83.8
86	75.0	50.1	75.1



#18
2-Butanone
Concen: 0.345 ug/l
RT: 4.731 min Scan# 1070
Delta R.T. 0.019 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

Tgt Ion:	43	Resp:	1745
Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	16.0

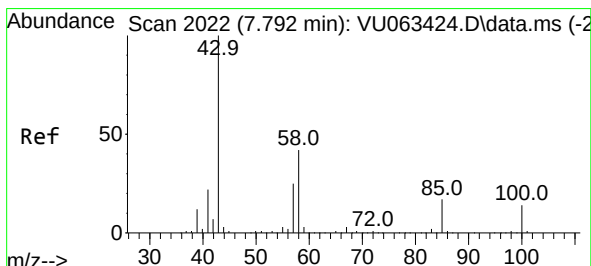
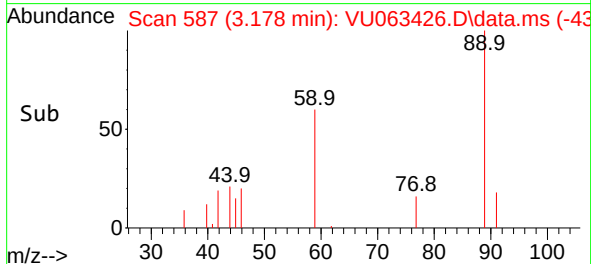
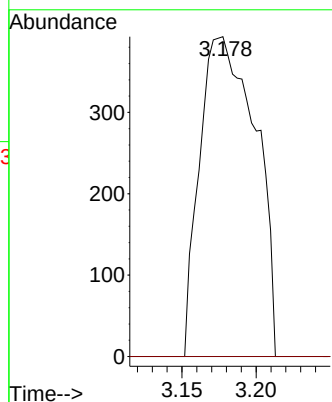
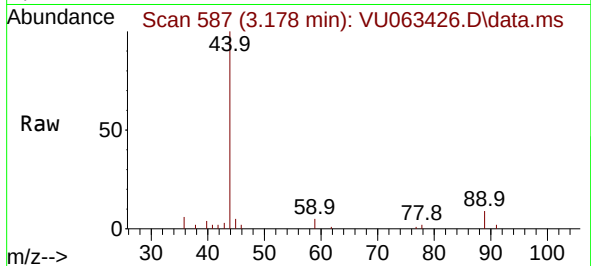




#24
tert-Butyl Alcohol
Concen: 0.858 ug/l
RT: 3.178 min Scan# 51
Delta R.T. -0.013 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

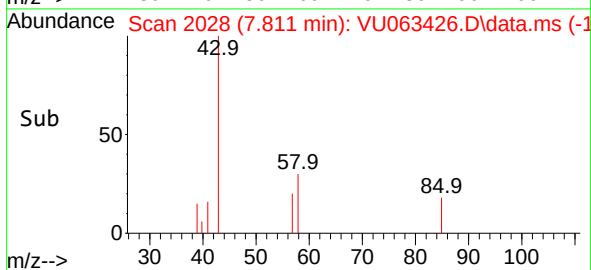
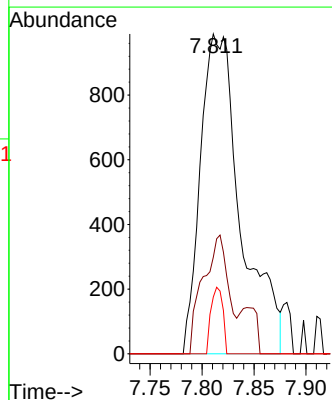
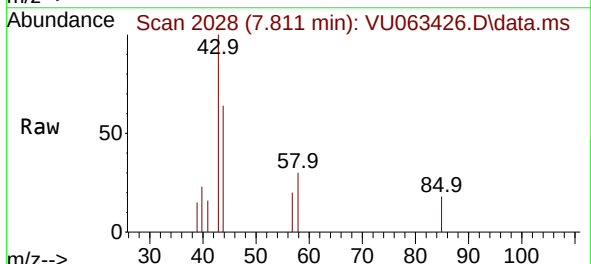
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

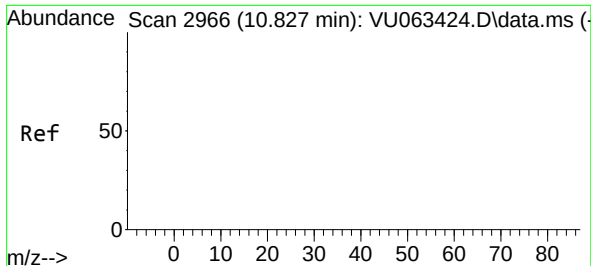
Tgt Ion: 59 Resp: 1024
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#45
4-Methyl-2-Pentanone
Concen: 0.310 ug/l
RT: 7.811 min Scan# 2028
Delta R.T. 0.019 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

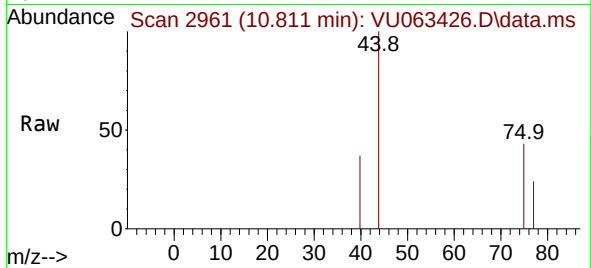
Tgt Ion: 43 Resp: 2671
Ion Ratio Lower Upper
43 100
58 23.5 20.5 61.6
85 6.0 14.2 21.2#



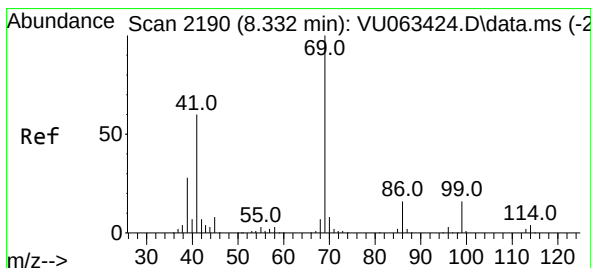
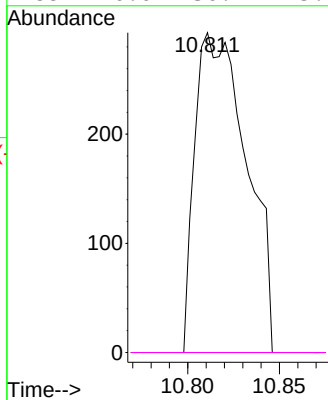
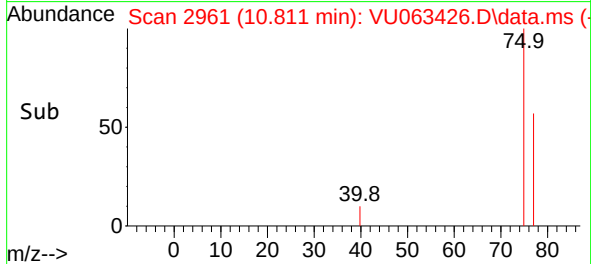


#46
t-1,4-Dichloro-2-butene
Concen: 0.202 ug/l
RT: 10.811 min Scan# 2961
Delta R.T. -0.016 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

Instrument : MSVOA_U
ClientSampleId : VIBLK

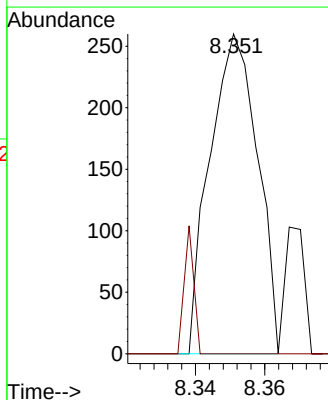
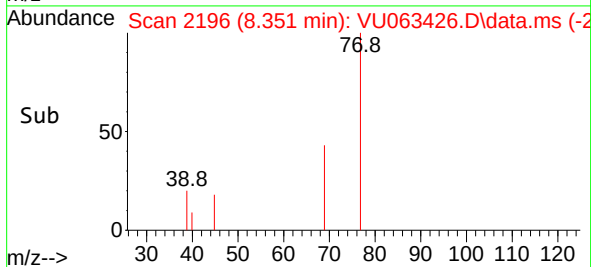
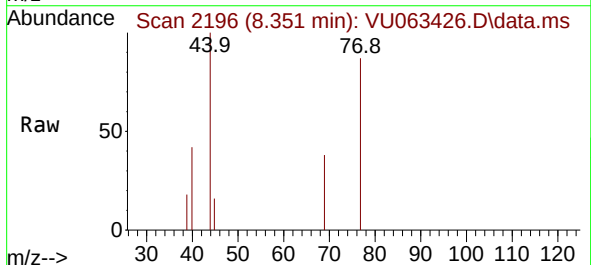


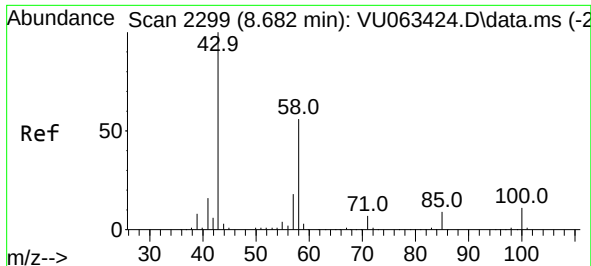
Tgt Ion: 75	Resp: 574
Ion Ratio	Lower Upper
75 100	
53 0.0	61.4 92.2#
89 3.3	39.2 58.8#
88 0.0	30.1 45.1#



#48
Ethyl methacrylate
Concen: 0.326 ug/l
RT: 8.351 min Scan# 2196
Delta R.T. 0.019 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

Tgt Ion: 69	Resp: 248
Ion Ratio	Lower Upper
69 100	
41 8.1	30.6 92.0#

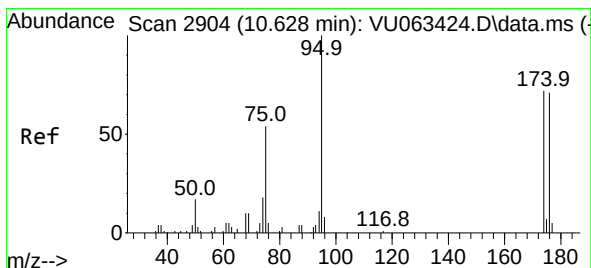
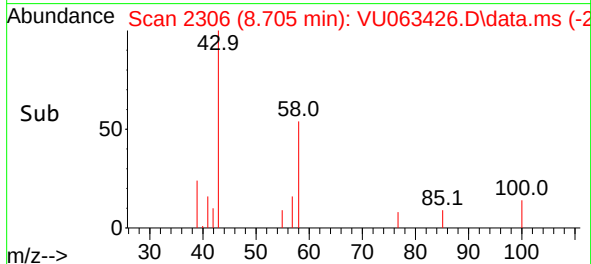
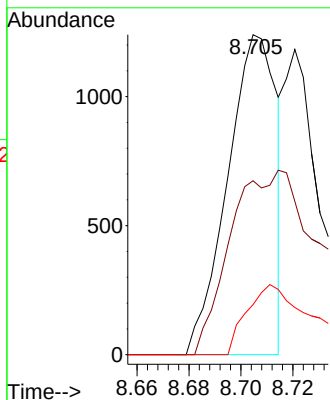
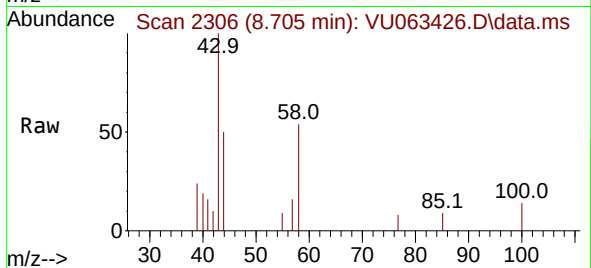




#54
2-Hexanone
Concen: 1.372 ug/l
RT: 8.705 min Scan# 21
Delta R.T. 0.023 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

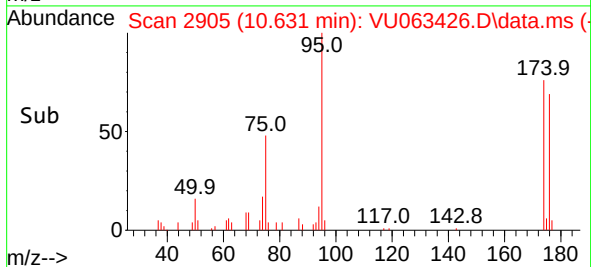
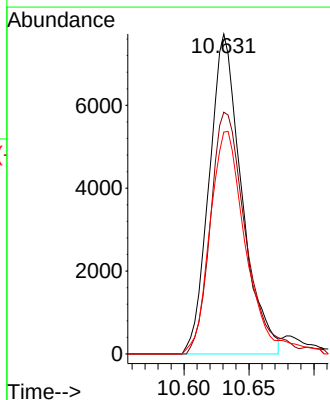
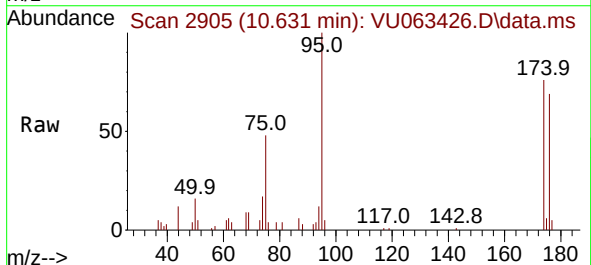
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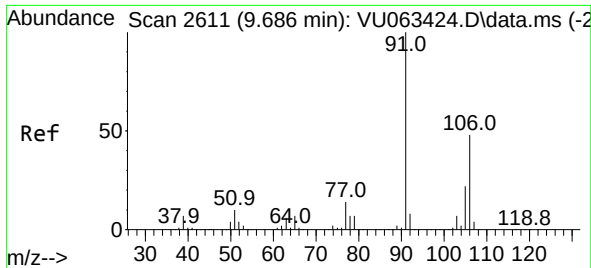
Tgt Ion: 43 Resp: 1615
Ion Ratio Lower Upper
43 100
58 103.8 36.9 76.9#
57 26.3 0.0 38.8



#57
4-Bromofluorobenzene
Concen: 0.763 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

Tgt Ion: 95 Resp: 13388
Ion Ratio Lower Upper
95 100
174 82.1 59.4 89.2
176 77.3 57.8 86.6

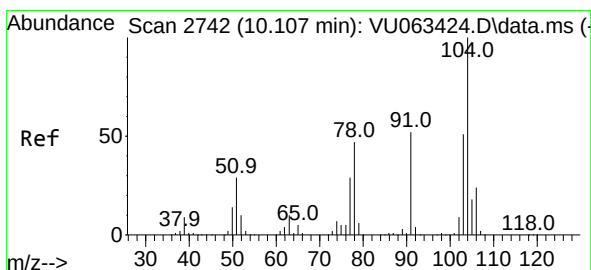
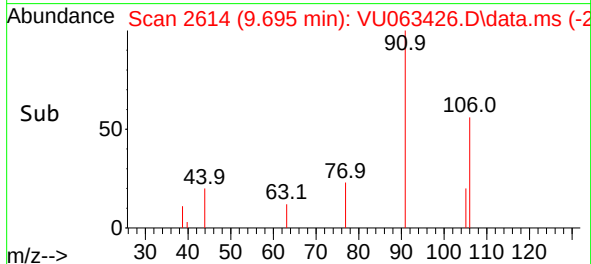
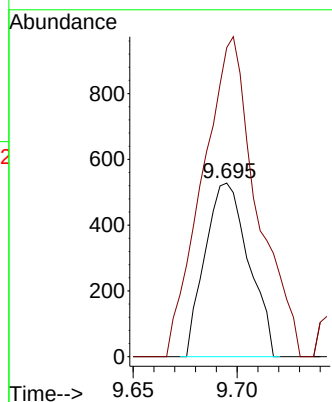
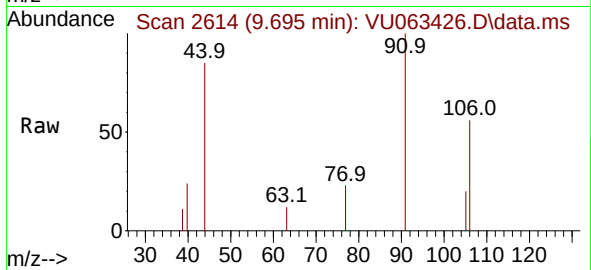




#64
m/p-Xylenes
Concen: 0.814 ug/l
RT: 9.695 min Scan# 2614
Delta R.T. 0.009 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

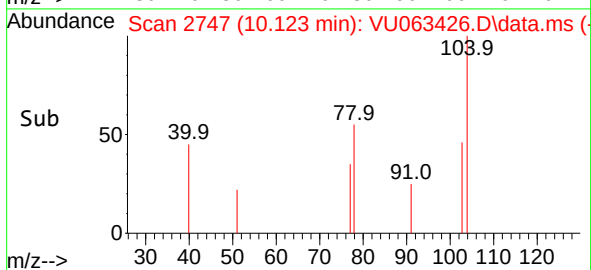
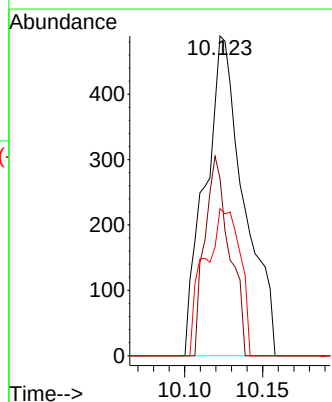
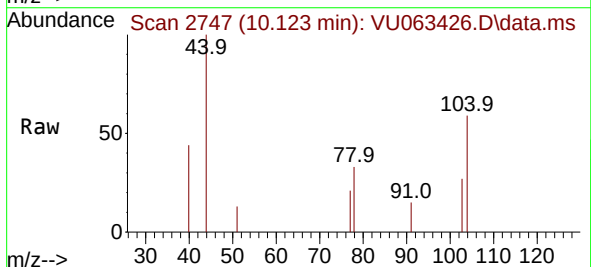
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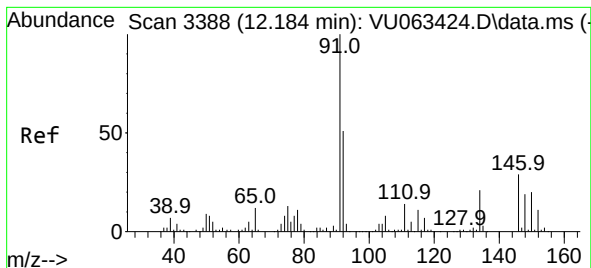
Tgt Ion:106 Resp: 769
Ion Ratio Lower Upper
106 100
91 229.8 169.9 254.9



#66
Styrene
Concen: 0.431 ug/l
RT: 10.123 min Scan# 2747
Delta R.T. 0.016 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

Tgt Ion:104 Resp: 845
Ion Ratio Lower Upper
104 100
78 39.6 41.6 62.4#
103 42.2 44.6 67.0#





#68

1,2-Dichlorobenzene-d4

Concen: 0.820 ug/l

RT: 12.190 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU063426.D

Acq: 23 Jun 2025 14:07

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

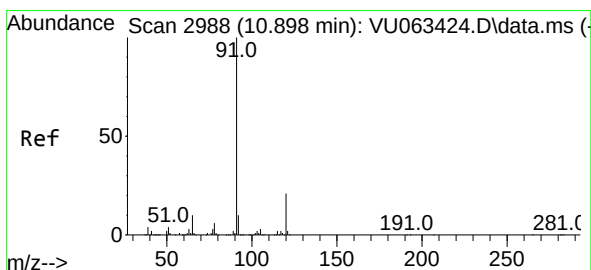
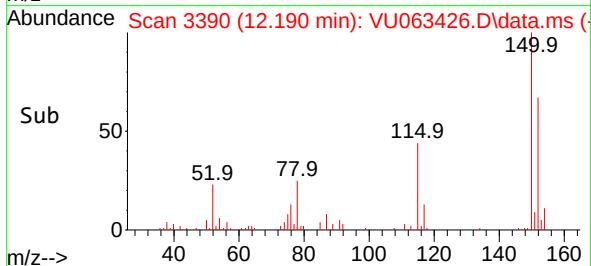
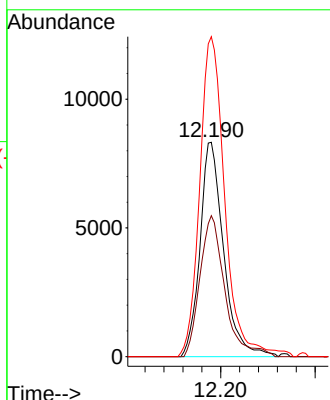
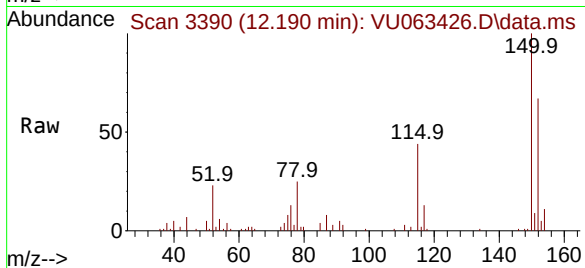
Tgt Ion:152 Resp: 14454

Ion Ratio Lower Upper

152 100

115 69.3 0.0 327.6

150 158.5 0.0 664.4



#73

n-propylbenzene

Concen: 0.373 ug/l

RT: 10.904 min Scan# 2990

Delta R.T. 0.006 min

Lab File: VU063426.D

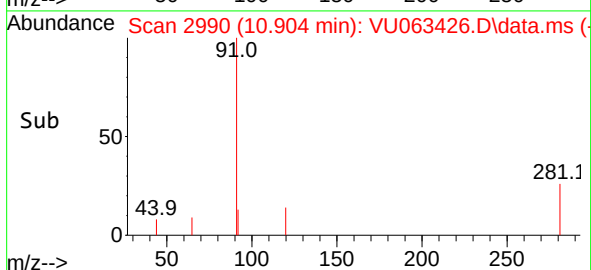
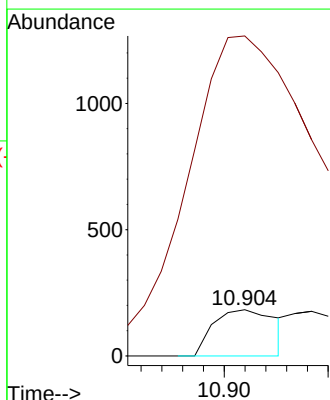
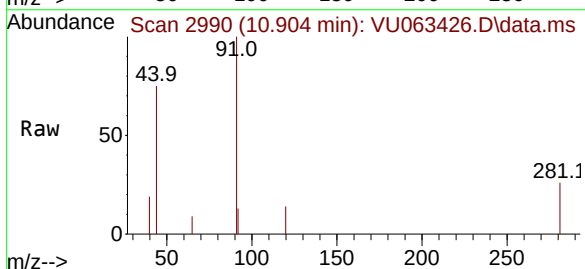
Acq: 23 Jun 2025 14:07

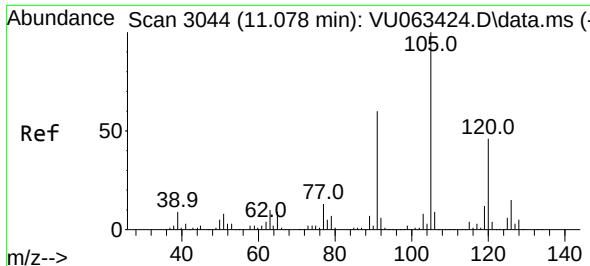
Tgt Ion:120 Resp: 153

Ion Ratio Lower Upper

120 100

91 1581.7 373.7 560.5#

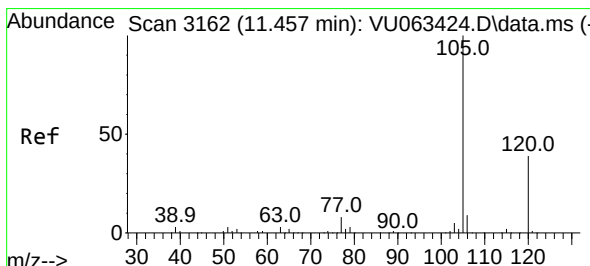
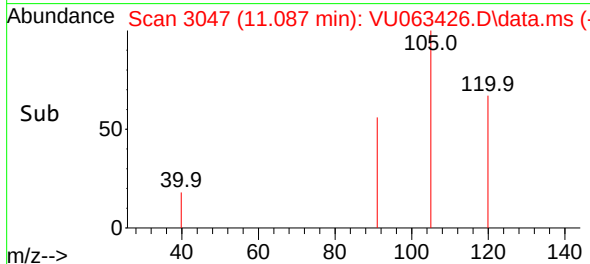
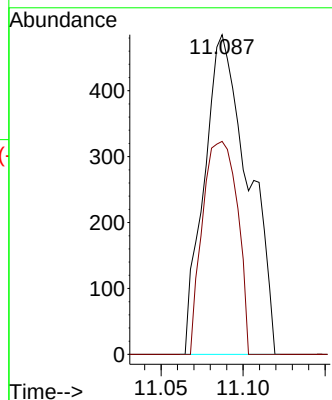
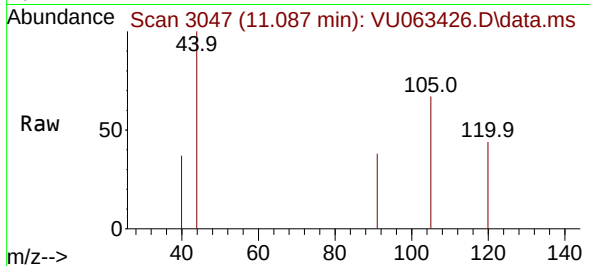




#75
 1,3,5-Trimethylbenzene
 Concen: 0.391 ug/l
 RT: 11.087 min Scan# 3047
 Delta R.T. 0.009 min
 Lab File: VU063426.D
 Acq: 23 Jun 2025 14:07

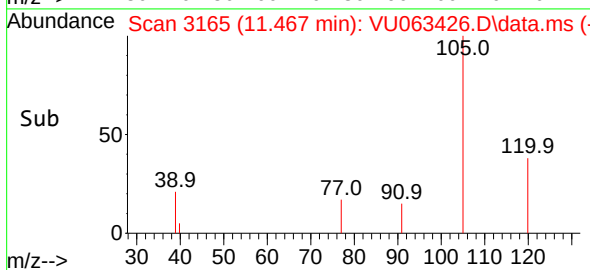
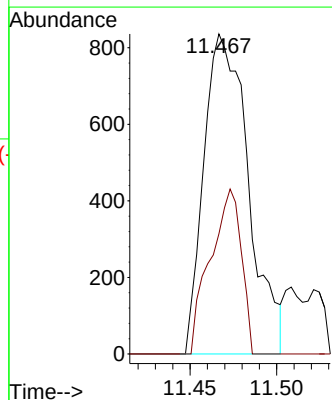
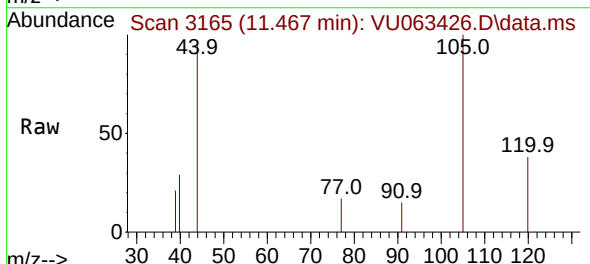
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

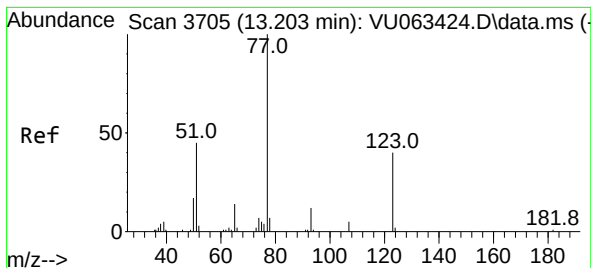
Tgt Ion:105 Resp: 903
 Ion Ratio Lower Upper
 105 100
 120 52.6 37.0 55.4



#78
 1,2,4-Trimethylbenzene
 Concen: 0.441 ug/l
 RT: 11.467 min Scan# 3165
 Delta R.T. 0.010 min
 Lab File: VU063426.D
 Acq: 23 Jun 2025 14:07

Tgt Ion:105 Resp: 1493
 Ion Ratio Lower Upper
 105 100
 120 36.0 22.1 66.5

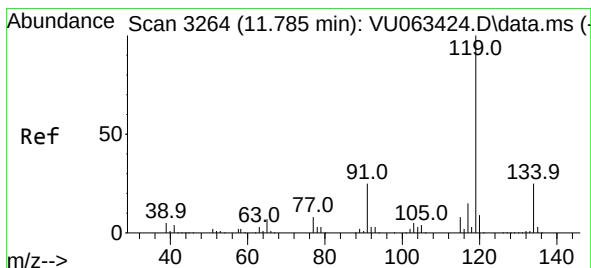
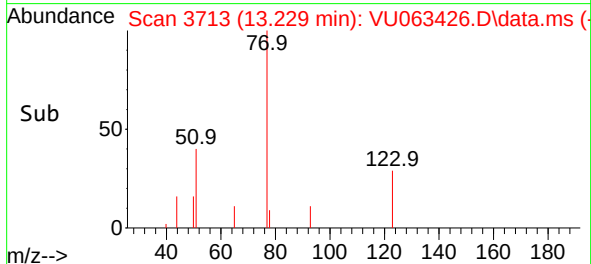
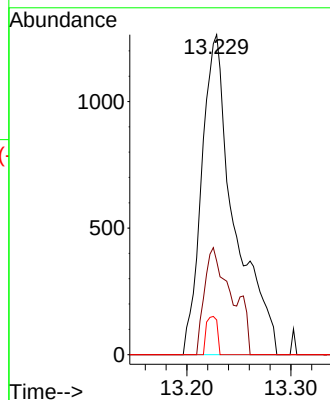
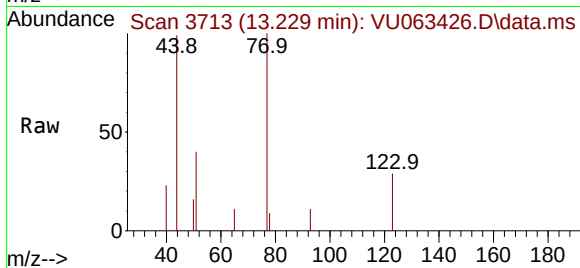




#80
Nitrobenzene
Concen: 5.317 ug/l
RT: 13.229 min Scan# 31
Delta R.T. 0.026 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

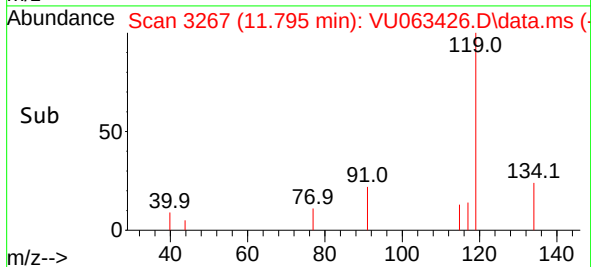
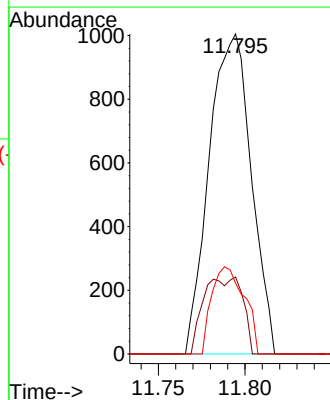
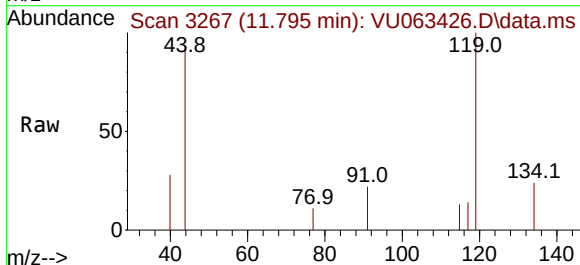
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

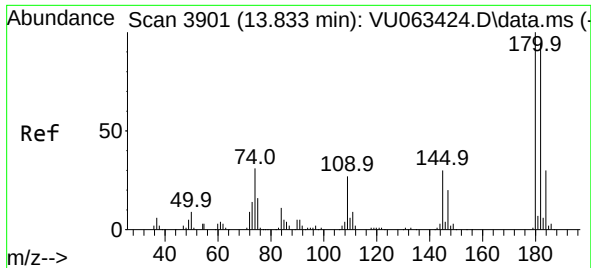
Tgt Ion: 77 Resp: 2752
Ion Ratio Lower Upper
77 100
123 15.7 19.6 69.6#
65 4.0 10.6 13.4#



#81
p-Isopropyltoluene
Concen: 0.438 ug/l
RT: 11.795 min Scan# 3267
Delta R.T. 0.010 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

Tgt Ion: 119 Resp: 1697
Ion Ratio Lower Upper
119 100
134 13.1 20.2 30.2#
91 21.0 19.7 29.5

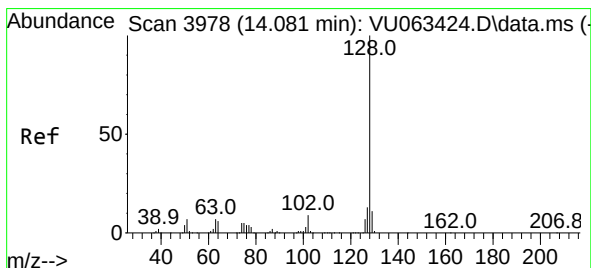
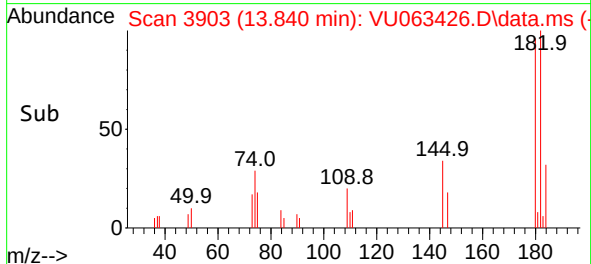
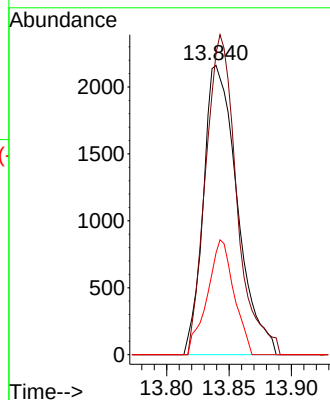
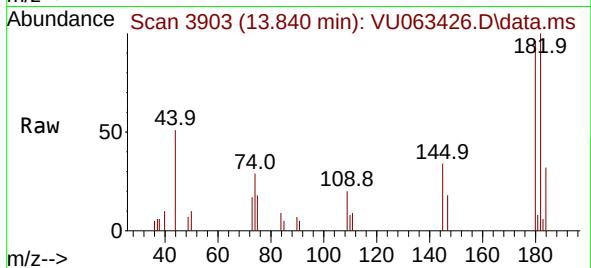




#87
1,2,4-Trichlorobenzene
Concen: 0.255 ug/l
RT: 13.840 min Scan# 3903
Delta R.T. 0.006 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

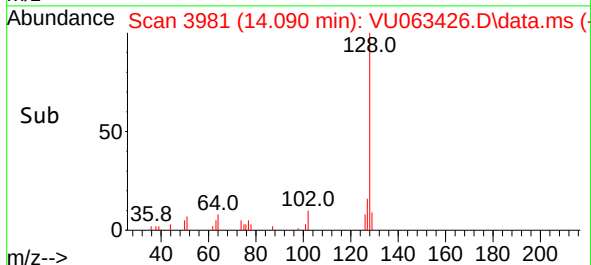
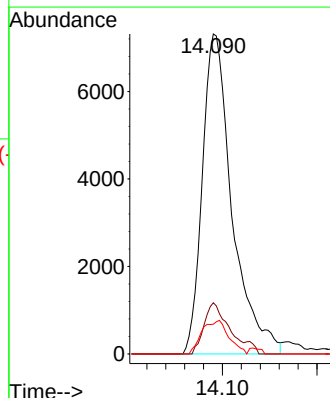
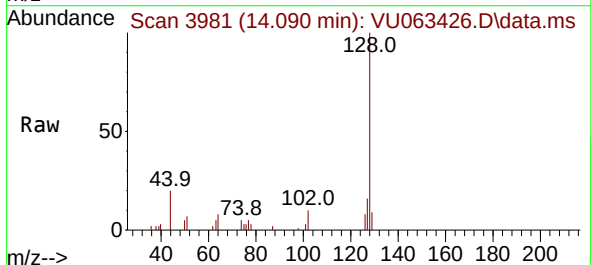
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

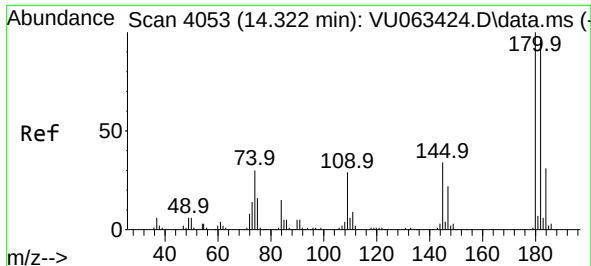
Tgt Ion:180 Resp: 4082
Ion Ratio Lower Upper
180 100
182 101.6 75.6 113.4
145 31.3 24.6 36.8



#89
Naphthalene
Concen: 1.319 ug/l
RT: 14.090 min Scan# 3981
Delta R.T. 0.009 min
Lab File: VU063426.D
Acq: 23 Jun 2025 14:07

Tgt Ion:128 Resp: 15986
Ion Ratio Lower Upper
128 100
127 14.0 10.4 15.6
129 9.5 8.7 13.1





#90

1,2,3-Trichlorobenzene

Concen: 0.287 ug/l

RT: 14.328 min Scan# 4055

Delta R.T. 0.006 min

Lab File: VU063426.D

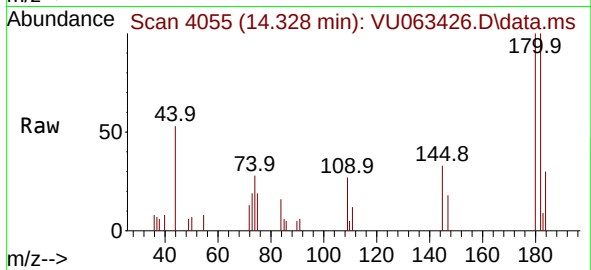
Acq: 23 Jun 2025 14:07

Instrument :

MSVOA_U

ClientSampleId :

VIBLK



Tgt Ion:180 Resp: 4580

Ion Ratio Lower Upper

180 100

182 92.3 76.7 115.1

145 31.6 27.4 41.2

