

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU073024\
 Data File : VU060271.D
 Acq On : 30 Jul 2024 18:56
 Operator : MD/SY
 Sample : VIBLK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 31 04:54:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U073024DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 31 04:49:33 2024
 Response via : Initial Calibration

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

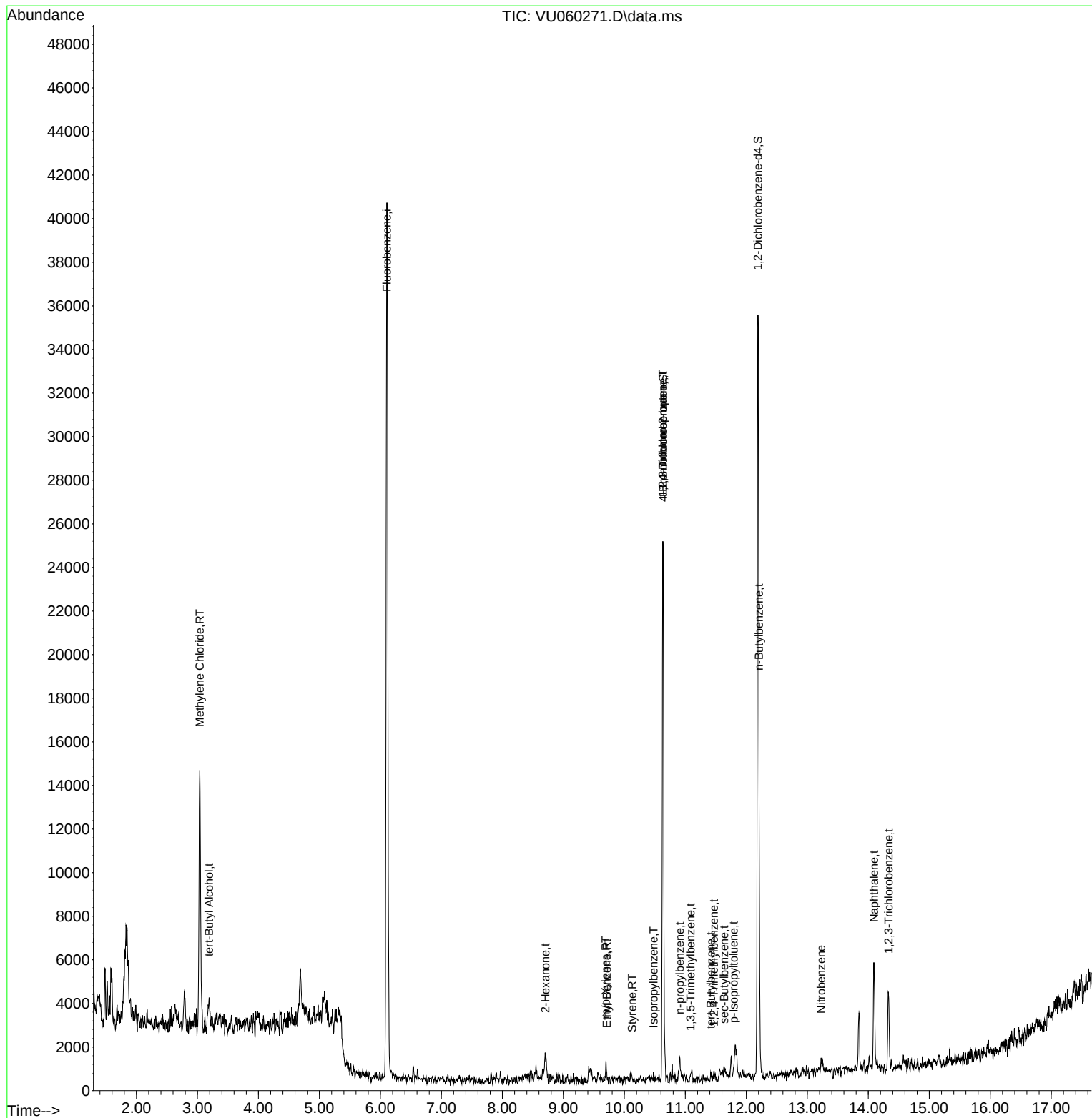
Internal Standards						
1) Fluorobenzene	6.107	96	38505	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	9036	0.696	ug/l	0.00
Spiked Amount 1.000			Recovery	=	70.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	10464	0.750	ug/l	0.00
Spiked Amount 1.000			Recovery	=	75.000%	
Target Compounds						
					Qvalue	
13) Acetone	2.631	43	691	Below Cal		88
15) Methylene Chloride	3.036	84	5635	0.391	ug/l	93
24) tert-Butyl Alcohol	3.187	59	786	0.775	ug/l #	73
46) t-1,4-Dichloro-2-butene	10.631	75	4314	1.693	ug/l #	20
54) 2-Hexanone	8.705	43	1062	0.233	ug/l	85
63) Ethyl Benzene	9.711	91	506	0.287	ug/l	99
64) m/p-Xylenes	9.695	106	262	0.723	ug/l	92
66) Styrene	10.126	104	218	0.380	ug/l #	26
69) Isopropylbenzene	10.480	105	215	0.264	ug/l #	49
71) 1,2,3-Trichloropropane	10.631	75	4314	0.504	ug/l #	39
73) n-propylbenzene	10.910	120	124	0.297	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.084	105	158	0.349	ug/l #	55
77) tert-Butylbenzene	11.418	119	153	0.208	ug/l #	86
78) 1,2,4-Trimethylbenzene	11.470	105	225	0.400	ug/l #	31
79) sec-Butylbenzene	11.634	105	486	0.301	ug/l #	58
80) Nitrobenzene	13.225	77	421	0.762	ug/l #	80
81) p-Isopropyltoluene	11.791	119	468	0.364	ug/l #	51
84) n-Butylbenzene	12.206	91	1620	0.330	ug/l #	83
89) Naphthalene	14.094	128	5344	0.407	ug/l #	96
90) 1,2,3-Trichlorobenzene	14.335	180	1463	0.325	ug/l	90

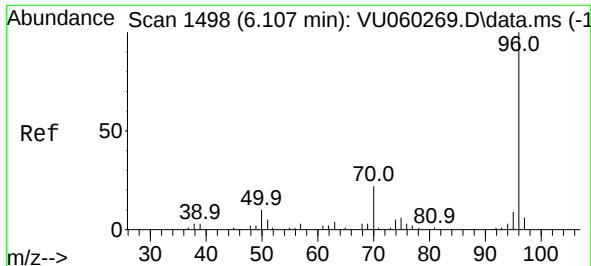
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU073024\
Data File : VU060271.D
Acq On : 30 Jul 2024 18:56
Operator : MD/SY
Sample : VIBLK
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

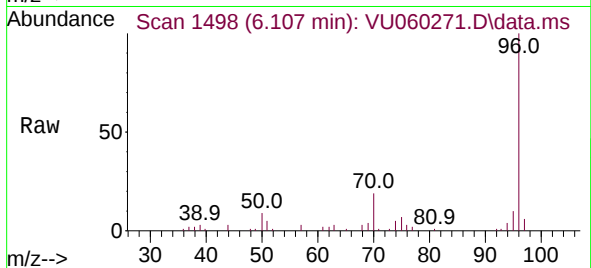
Quant Time: Jul 31 04:54:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U073024DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 31 04:49:33 2024
Response via : Initial Calibration



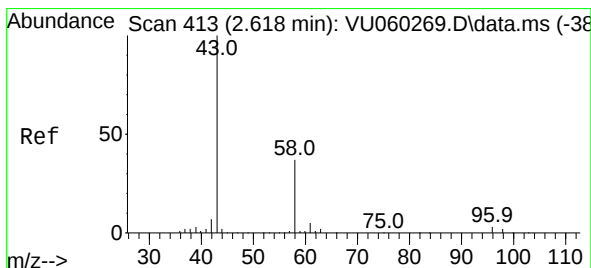
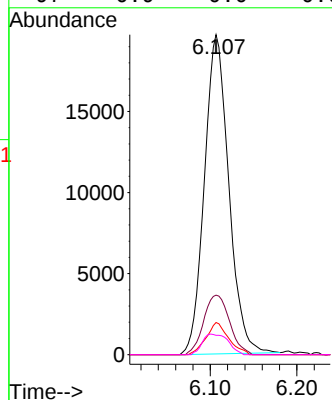
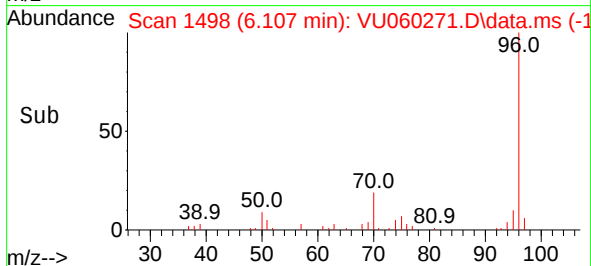


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.107 min Scan# 1498
Delta R.T. -0.000 min
Lab File: VU060271.D
Acq: 30 Jul 2024 18:56

Instrument :
MSVOA_U
ClientSampleId :

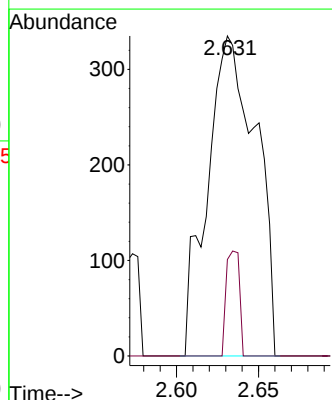
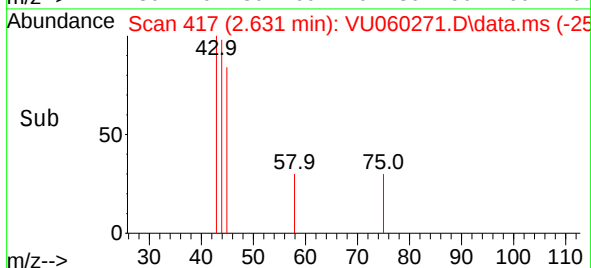
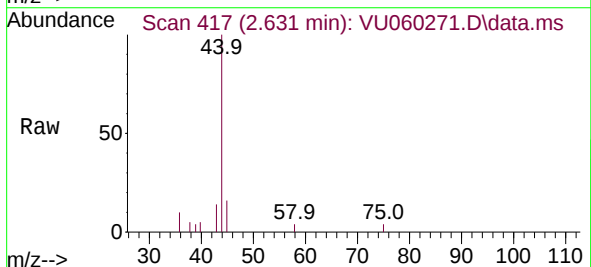


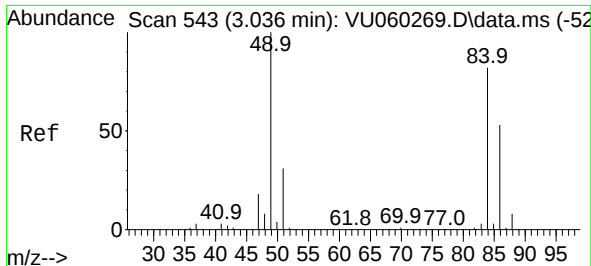
Tgt Ion: 96	Resp: 38505
Ion Ratio	Lower Upper
96	100
70	19.8 17.0 25.4
95	9.3 7.6 11.4
97	6.9 0.0 0.0#



#13
Acetone
Concen: Below Cal
RT: 2.631 min Scan# 417
Delta R.T. 0.013 min
Lab File: VU060271.D
Acq: 30 Jul 2024 18:56

Tgt Ion: 43	Resp: 691
Ion Ratio	Lower Upper
43	100
58	30.1 29.6 44.4





#15

Methylene Chloride

Concen: 0.391 ug/l

RT: 3.036 min Scan# 543

Delta R.T. -0.000 min

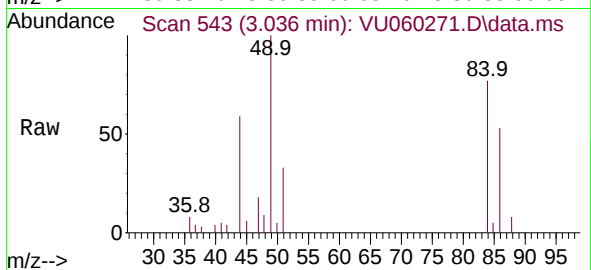
Lab File: VU060271.D

Acq: 30 Jul 2024 18:56

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 84 Resp: 5635

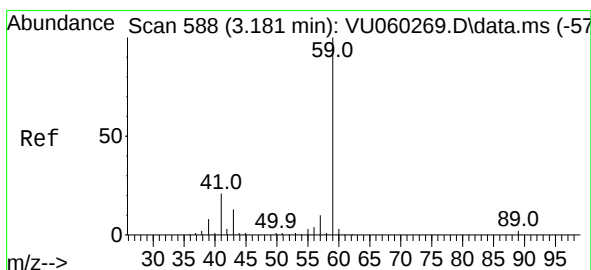
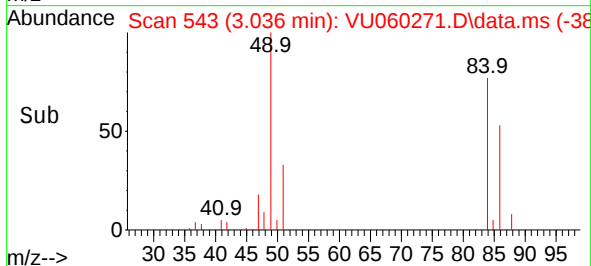
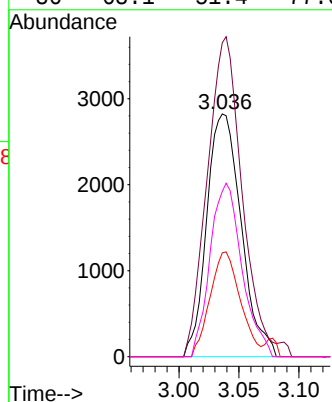
Ion Ratio Lower Upper

84 100

49 129.3 97.1 145.7

51 42.8 0.0 74.6

86 68.1 51.4 77.0



#24

tert-Butyl Alcohol

Concen: 0.775 ug/l

RT: 3.187 min Scan# 590

Delta R.T. 0.006 min

Lab File: VU060271.D

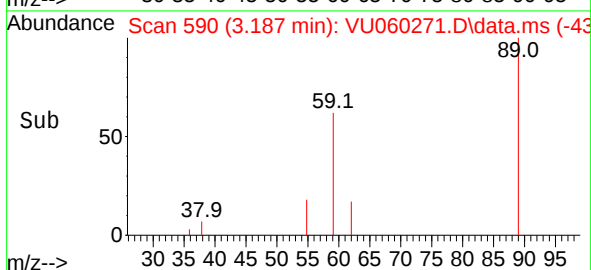
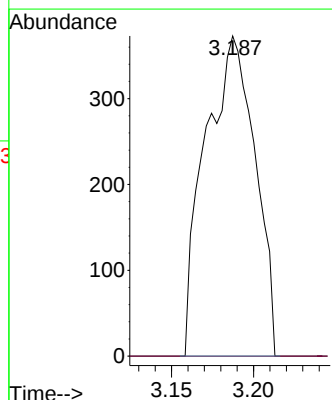
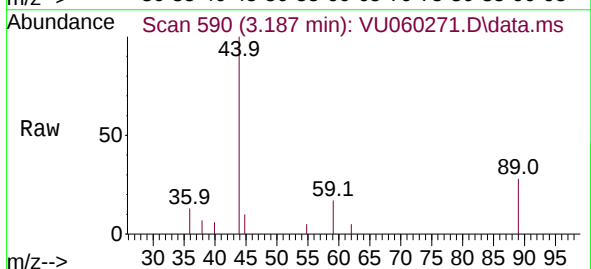
Acq: 30 Jul 2024 18:56

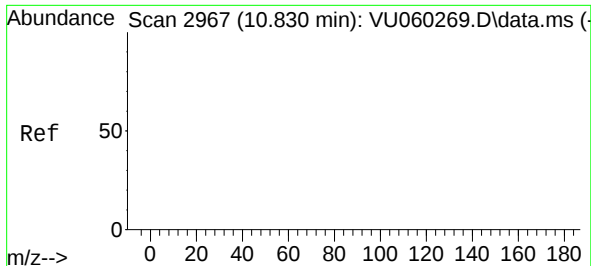
Tgt Ion: 59 Resp: 786

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#46

t-1,4-Dichloro-2-butene

Concen: 1.693 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. -0.199 min

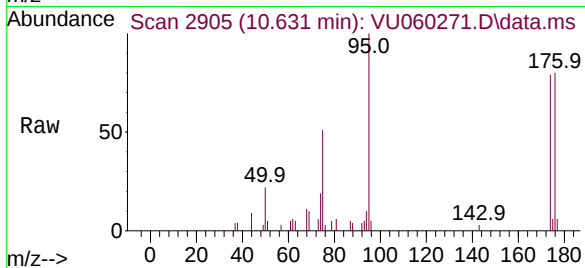
Lab File: VU060271.D

Acq: 30 Jul 2024 18:56

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 4314

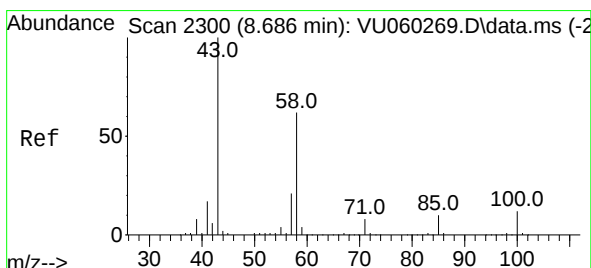
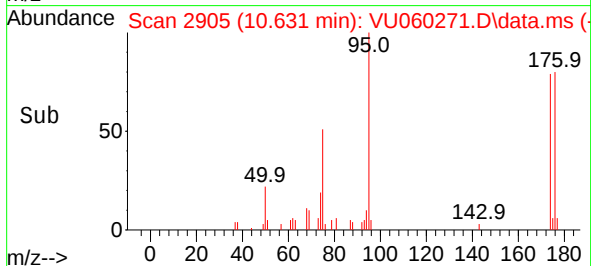
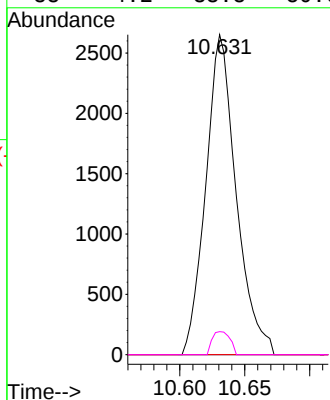
Ion Ratio Lower Upper

75 100

53 0.0 66.4 99.6#

89 0.0 45.7 68.5#

88 4.2 33.8 50.6#



#54

2-Hexanone

Concen: 0.233 ug/l

RT: 8.705 min Scan# 2306

Delta R.T. 0.019 min

Lab File: VU060271.D

Acq: 30 Jul 2024 18:56

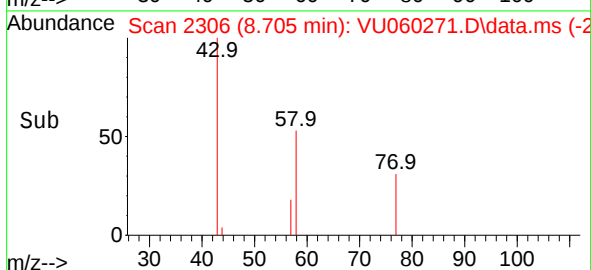
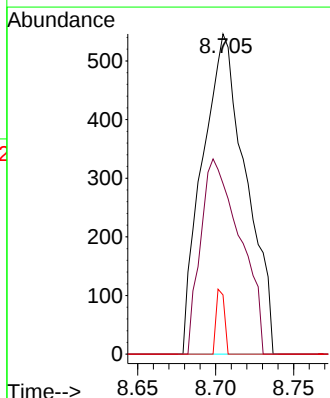
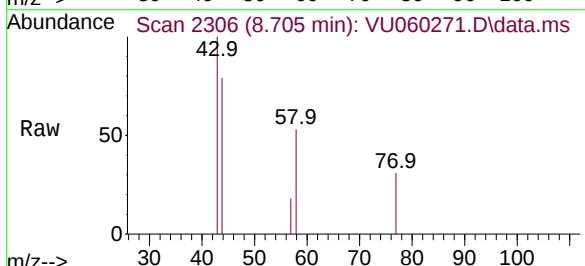
Tgt Ion: 43 Resp: 1062

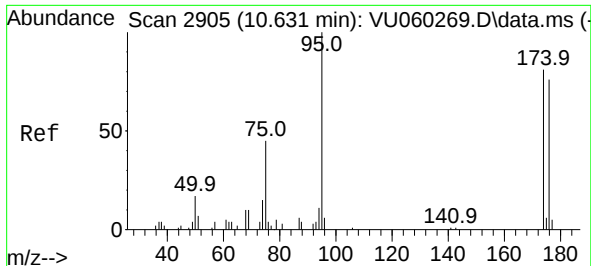
Ion Ratio Lower Upper

43 100

58 55.3 41.1 81.1

57 3.9 0.3 40.3





#57

4-Bromofluorobenzene

Concen: 0.696 ug/l

RT: 10.634 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VU060271.D

Acq: 30 Jul 2024 18:56

Instrument :

MSVOA_U

ClientSampleId :

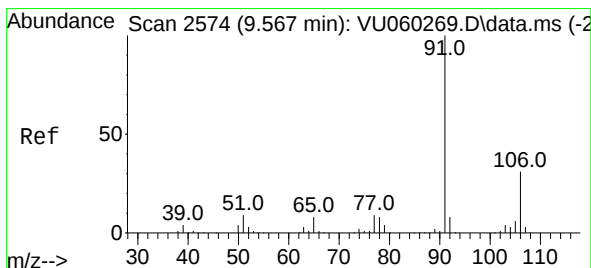
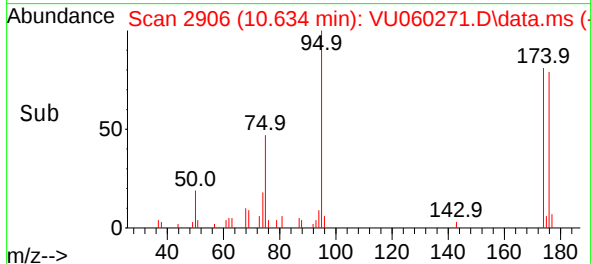
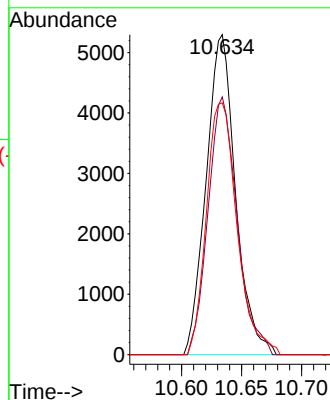
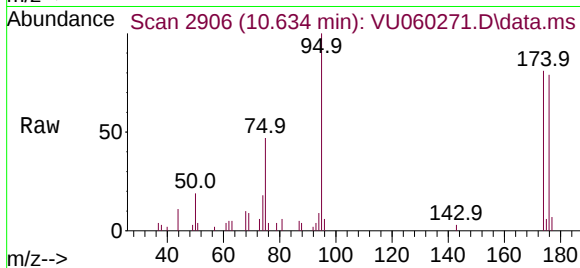
Tgt Ion: 95 Resp: 9036

Ion Ratio Lower Upper

95 100

174 79.8 62.2 93.4

176 82.0 59.4 89.2



#63

Ethyl Benzene

Concen: 0.287 ug/l

RT: 9.711 min Scan# 2619

Delta R.T. 0.145 min

Lab File: VU060271.D

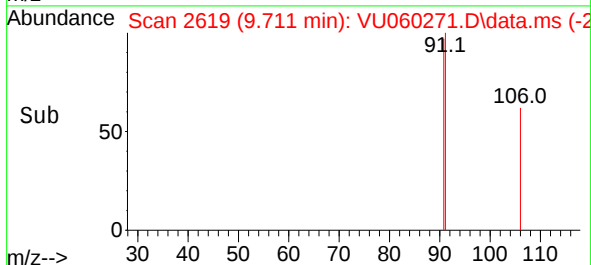
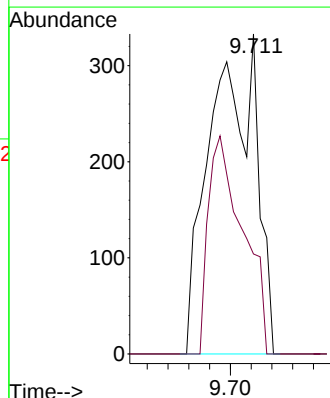
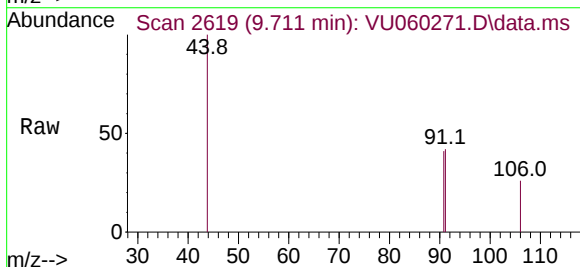
Acq: 30 Jul 2024 18:56

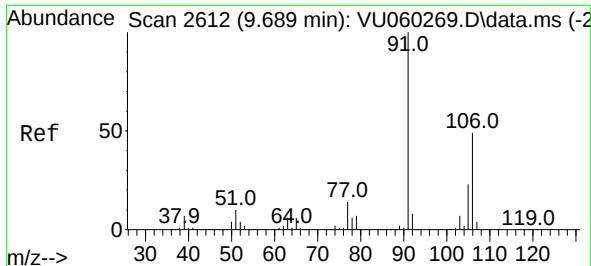
Tgt Ion: 91 Resp: 506

Ion Ratio Lower Upper

91 100

106 31.2 24.5 36.7

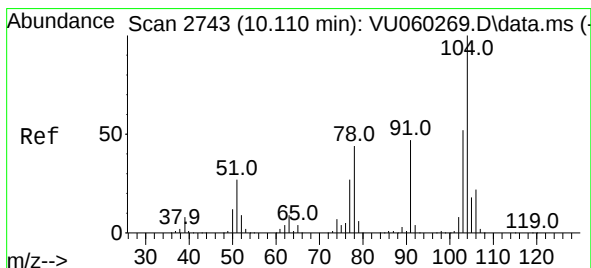
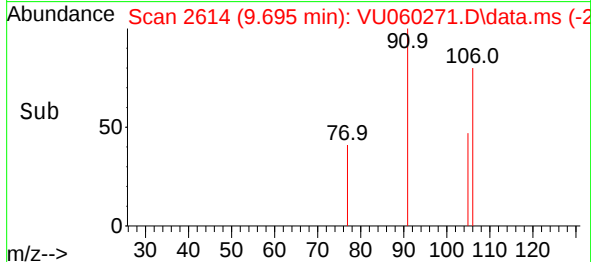
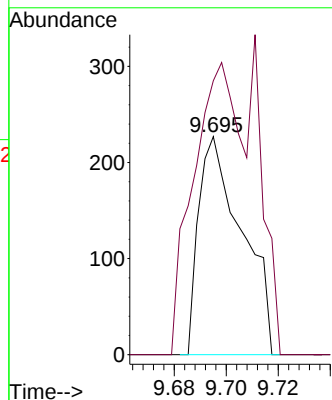
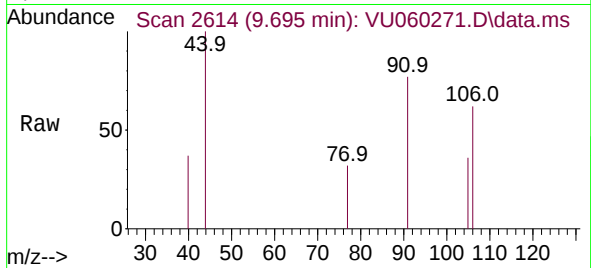




#64
m/p-Xylenes
Concen: 0.723 ug/l
RT: 9.695 min Scan# 20
Delta R.T. 0.006 min
Lab File: VU060271.D
Acq: 30 Jul 2024 18:56

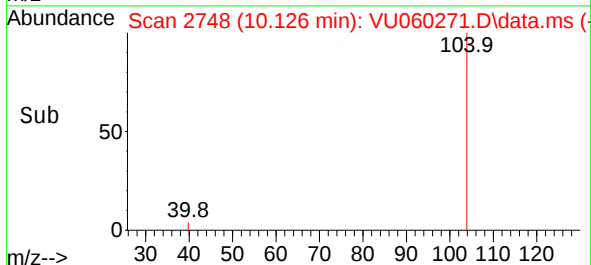
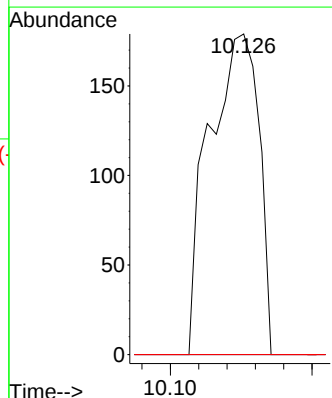
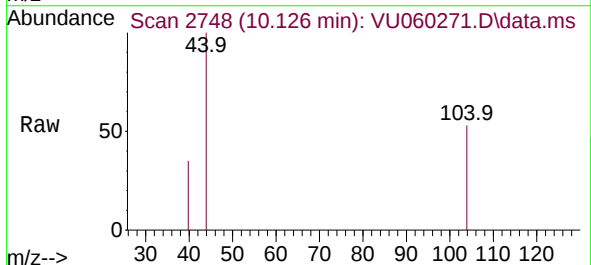
Instrument :
MSVOA_U
ClientSampleId :

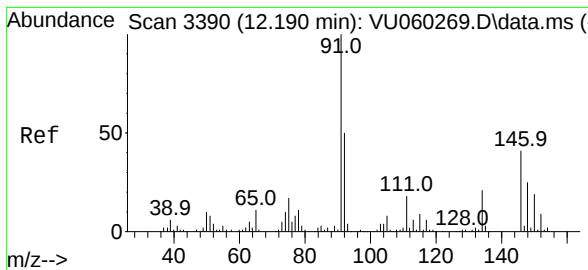
Tgt Ion:106 Resp: 262
Ion Ratio Lower Upper
106 100
91 193.1 164.2 246.4



#66
Styrene
Concen: 0.380 ug/l
RT: 10.126 min Scan# 2748
Delta R.T. 0.016 min
Lab File: VU060271.D
Acq: 30 Jul 2024 18:56

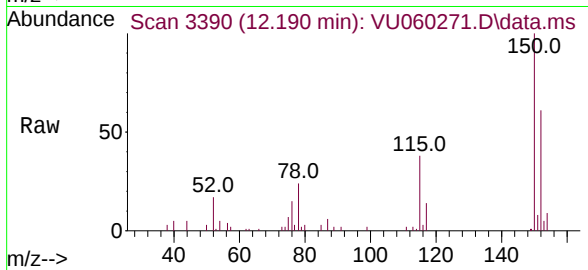
Tgt Ion:104 Resp: 218
Ion Ratio Lower Upper
104 100
78 0.0 39.1 58.7#
103 0.0 44.8 67.2#



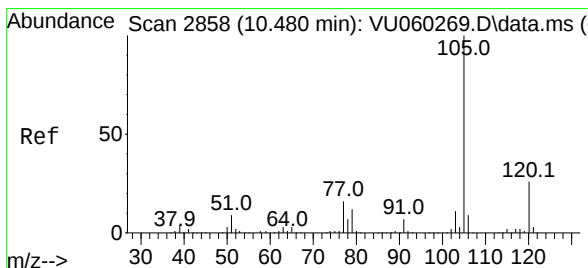
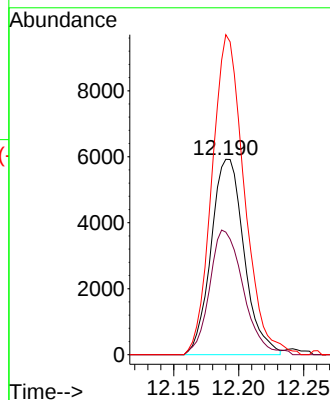
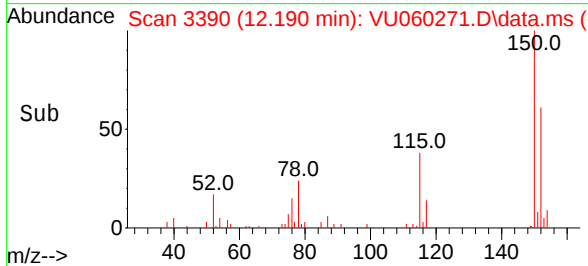


#68
1,2-Dichlorobenzene-d4
Concen: 0.750 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. -0.000 min
Lab File: VU060271.D
Acq: 30 Jul 2024 18:56

Instrument :
MSVOA_U
ClientSampleId :

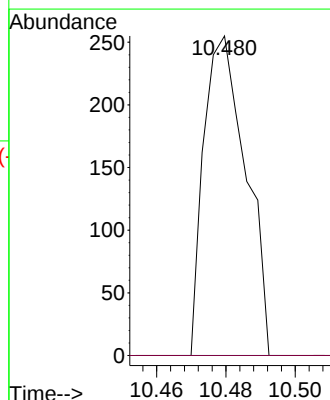
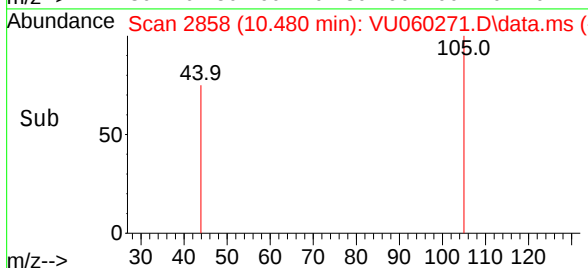
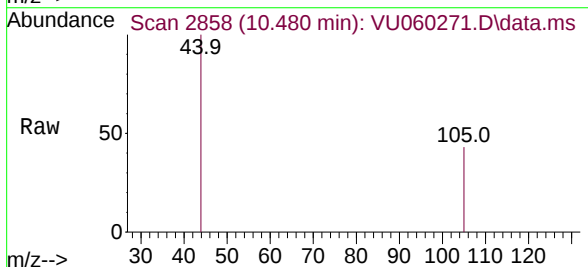


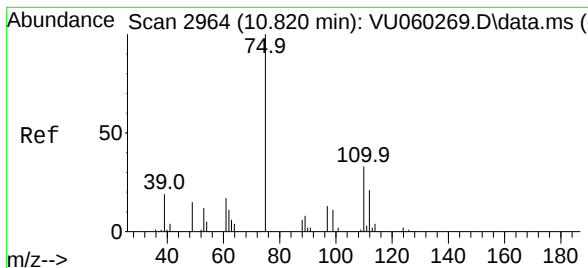
Tgt Ion:152 Resp: 10464
Ion Ratio Lower Upper
152 100
115 64.9 0.0 305.0
150 160.0 0.0 671.8



#69
Isopropylbenzene
Concen: 0.264 ug/l
RT: 10.480 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU060271.D
Acq: 30 Jul 2024 18:56

Tgt Ion:105 Resp: 215
Ion Ratio Lower Upper
105 100
120 0.0 13.1 39.1#





#71

1,2,3-Trichloropropane

Concen: 0.504 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. -0.190 min

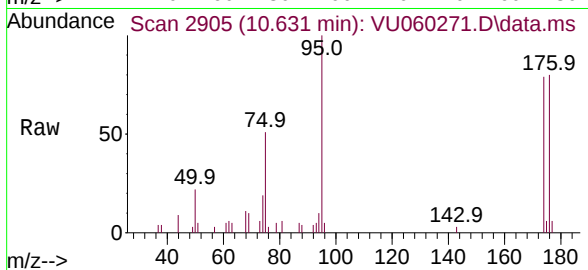
Lab File: VU060271.D

Acq: 30 Jul 2024 18:56

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 4314

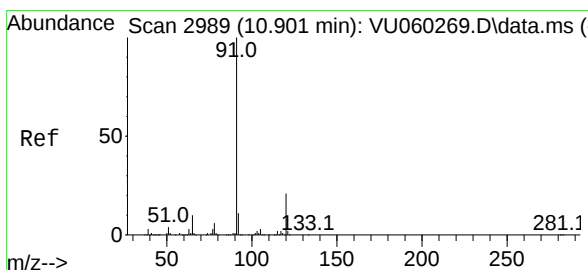
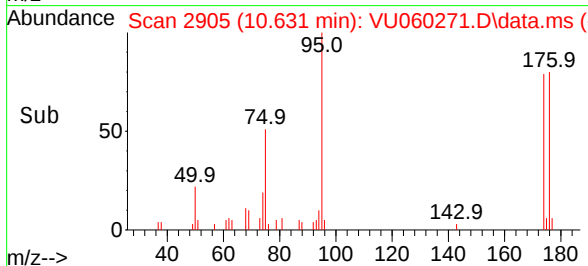
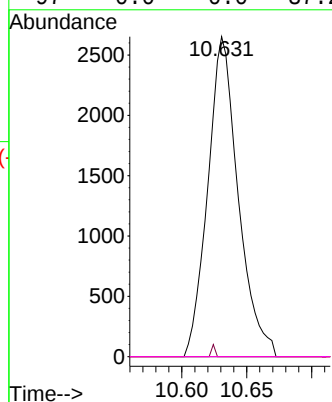
Ion Ratio Lower Upper

75 100

77 0.4 0.0 96.0

110 0.0 0.0 65.4

97 0.0 0.0 37.2



#73

n-propylbenzene

Concen: 0.297 ug/l

RT: 10.910 min Scan# 2992

Delta R.T. 0.010 min

Lab File: VU060271.D

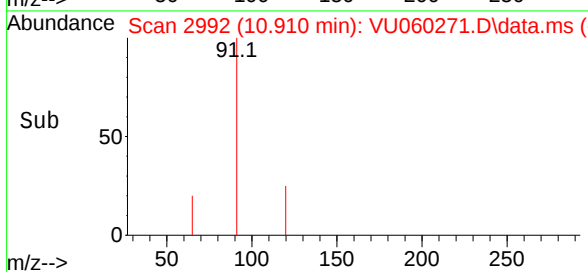
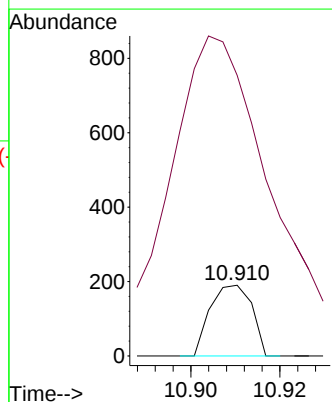
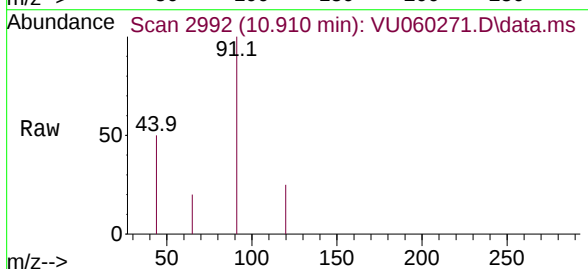
Acq: 30 Jul 2024 18:56

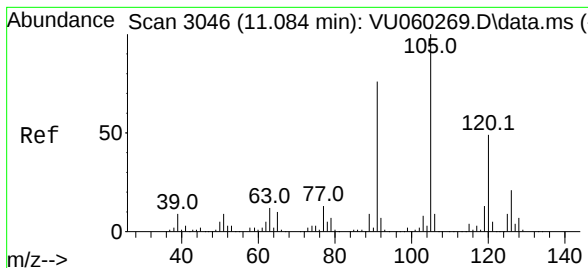
Tgt Ion:120 Resp: 124

Ion Ratio Lower Upper

120 100

91 1085.5 370.7 556.1#





#75

1,3,5-Trimethylbenzene

Concen: 0.349 ug/l

RT: 11.084 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU060271.D

Acq: 30 Jul 2024 18:56

Instrument :

MSVOA_U

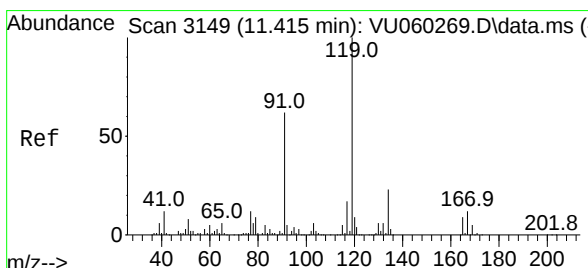
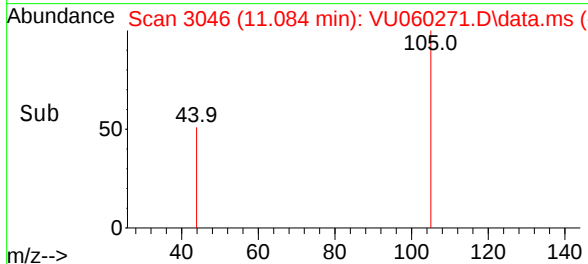
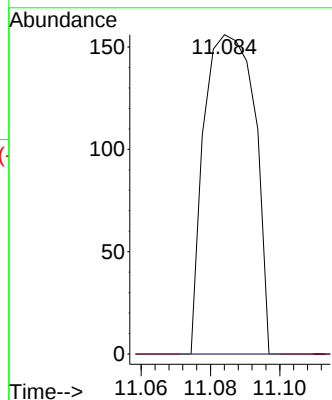
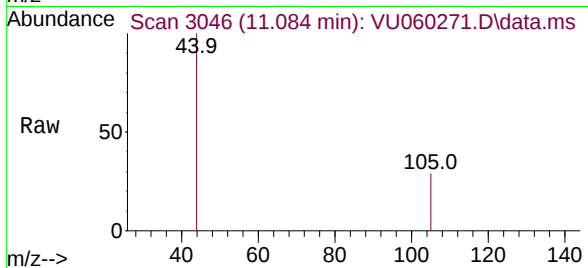
ClientSampleId :

Tgt Ion:105 Resp: 158

Ion Ratio Lower Upper

105 100

120 78.5 38.5 57.7#



#77

tert-Butylbenzene

Concen: 0.208 ug/l

RT: 11.418 min Scan# 3150

Delta R.T. 0.003 min

Lab File: VU060271.D

Acq: 30 Jul 2024 18:56

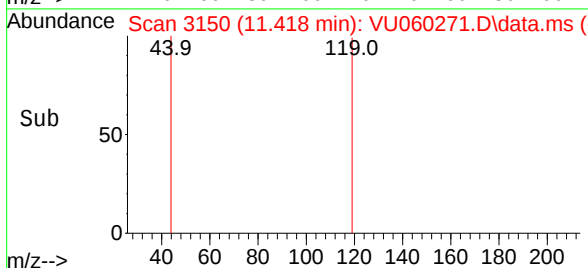
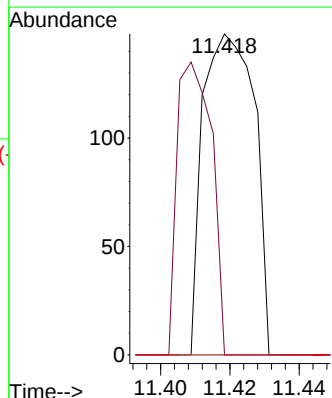
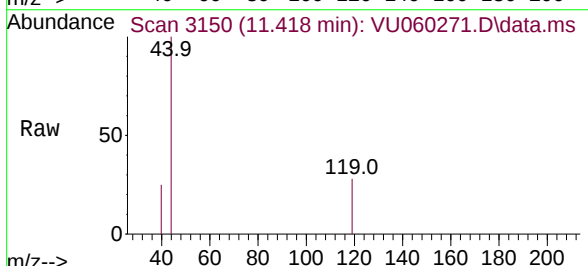
Tgt Ion:119 Resp: 153

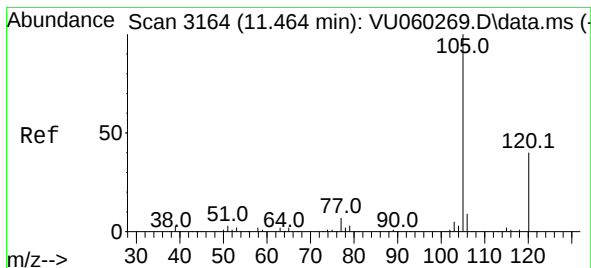
Ion Ratio Lower Upper

119 100

91 61.4 30.1 90.3

134 0.0 18.5 27.7#





#78

1,2,4-Trimethylbenzene

Concen: 0.400 ug/l

RT: 11.470 min Scan# 3166

Delta R.T. 0.006 min

Lab File: VU060271.D

Acq: 30 Jul 2024 18:56

Instrument :

MSVOA_U

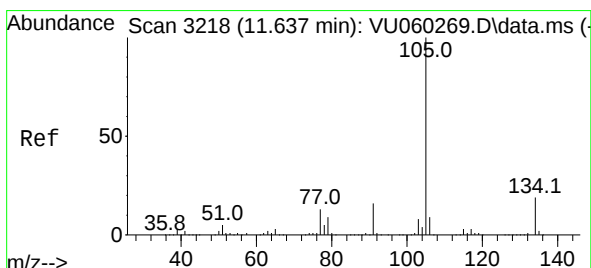
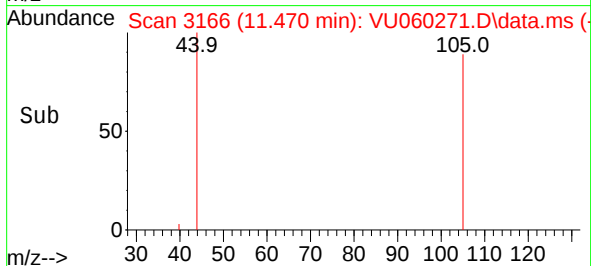
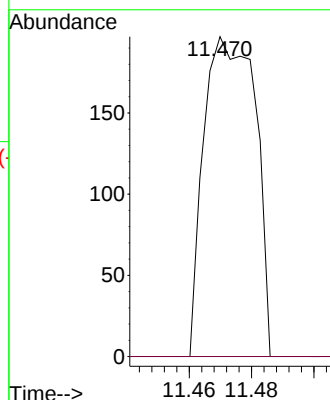
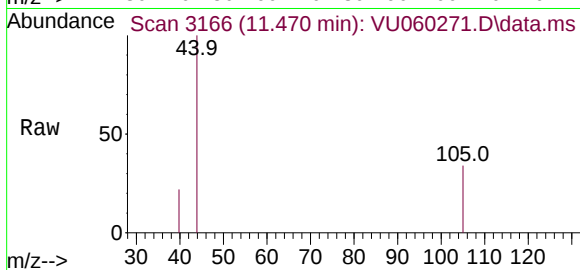
ClientSampleId :

Tgt Ion:105 Resp: 225

Ion Ratio Lower Upper

105 100

120 0.0 22.6 67.7#



#79

sec-Butylbenzene

Concen: 0.301 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. -0.003 min

Lab File: VU060271.D

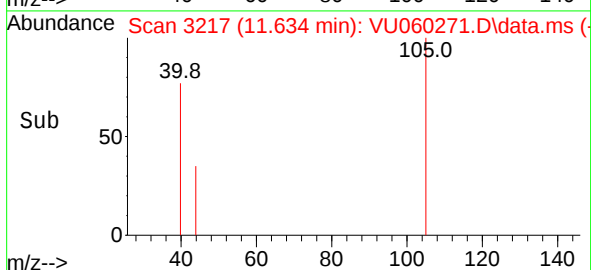
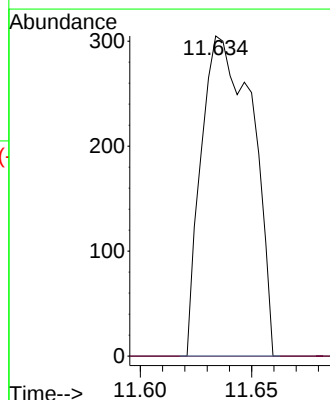
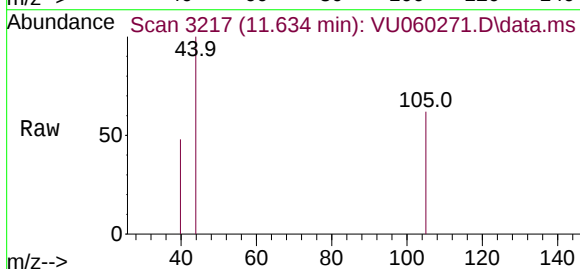
Acq: 30 Jul 2024 18:56

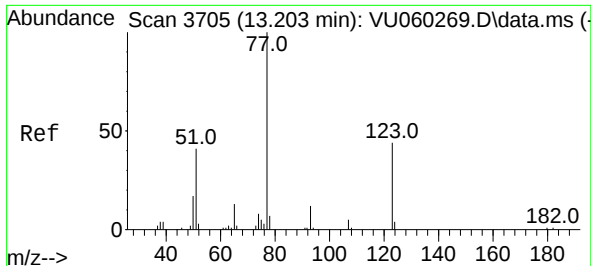
Tgt Ion:105 Resp: 486

Ion Ratio Lower Upper

105 100

134 0.0 15.1 22.7#

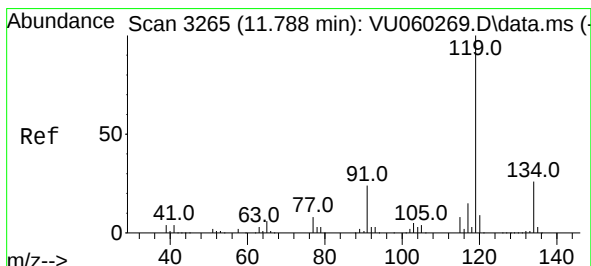
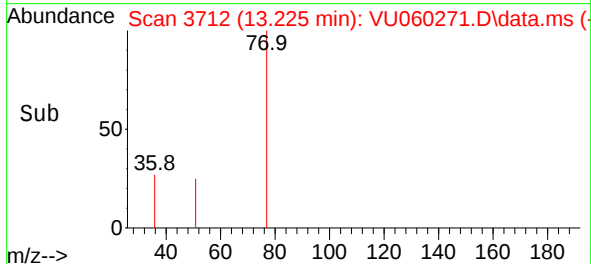
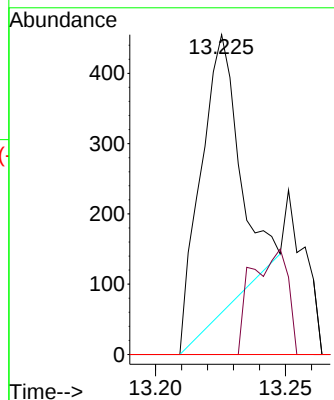
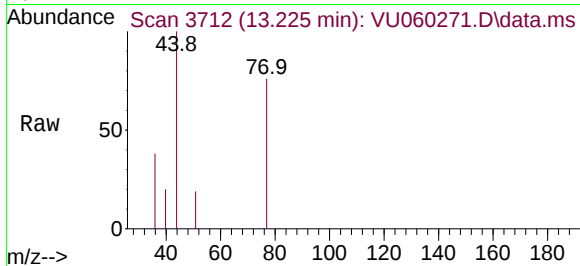




#80
Nitrobenzene
Concen: 0.762 ug/l
RT: 13.225 min Scan# 3712
Delta R.T. 0.022 min
Lab File: VU060271.D
Acq: 30 Jul 2024 18:56

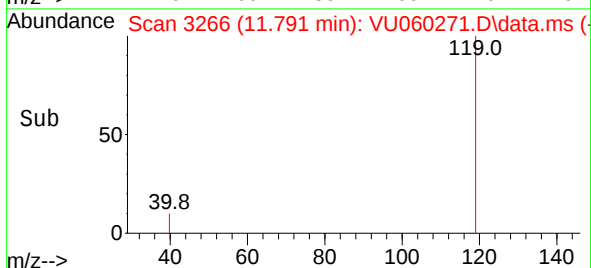
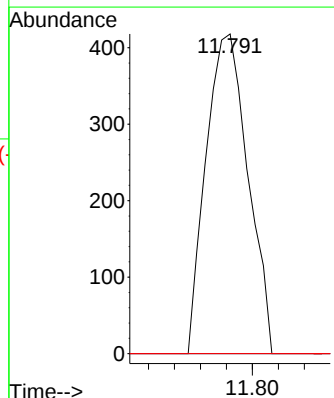
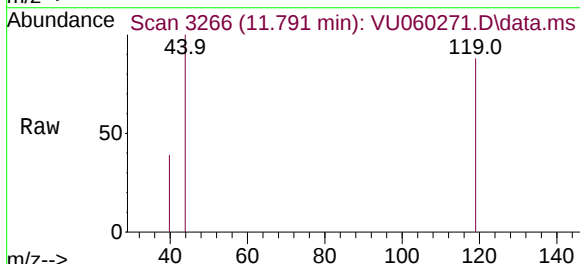
Instrument :
MSVOA_U
ClientSampleId :

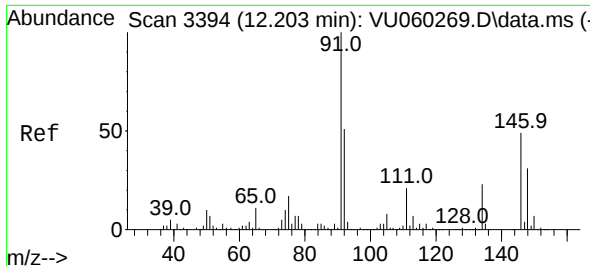
Tgt Ion: 77 Resp: 421
Ion Ratio Lower Upper
77 100
123 34.2 20.1 71.1
65 0.0 10.5 13.3#



#81
p-Isopropyltoluene
Concen: 0.364 ug/l
RT: 11.791 min Scan# 3266
Delta R.T. 0.003 min
Lab File: VU060271.D
Acq: 30 Jul 2024 18:56

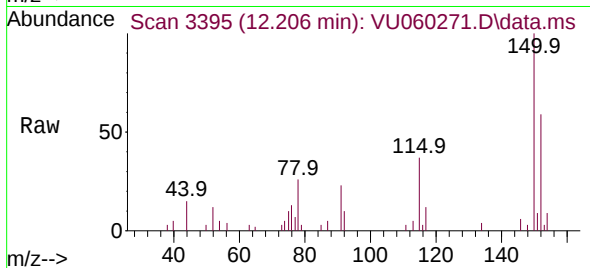
Tgt Ion: 119 Resp: 468
Ion Ratio Lower Upper
119 100
134 0.0 20.6 30.8#
91 0.0 18.8 28.2#



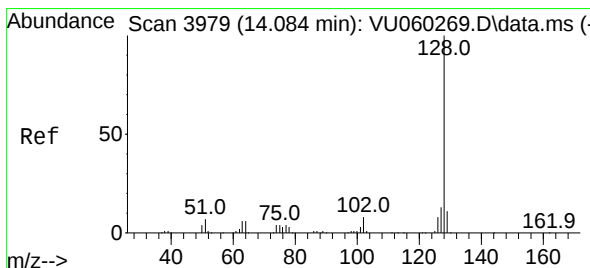
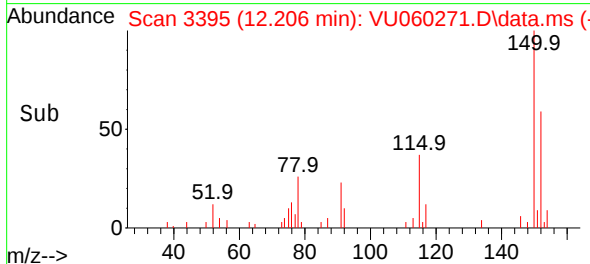
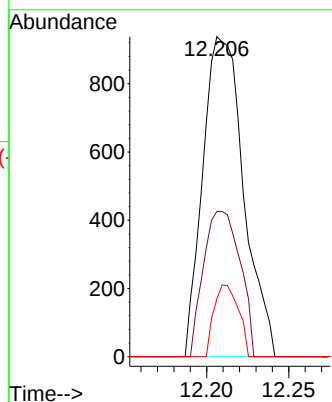


#84
n-Butylbenzene
Concen: 0.330 ug/l
RT: 12.206 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VU060271.D
Acq: 30 Jul 2024 18:56

Instrument :
MSVOA_U
ClientSampleId :

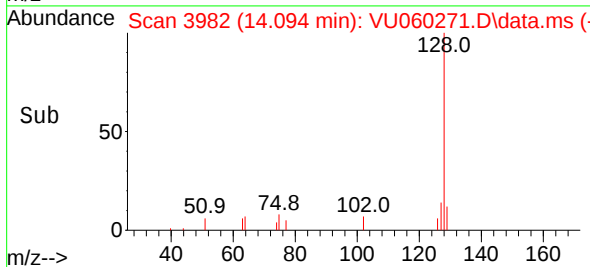
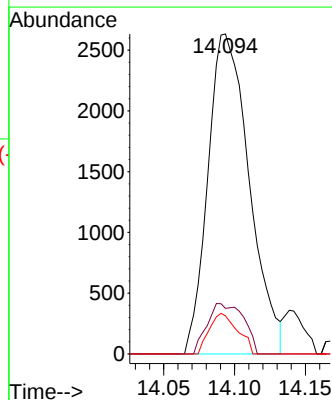
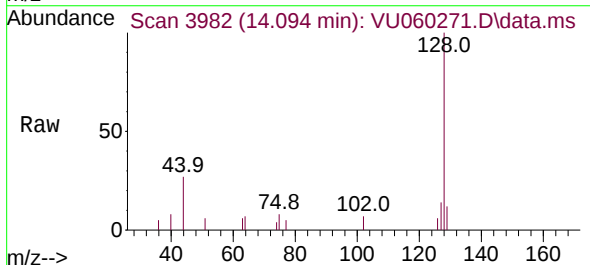


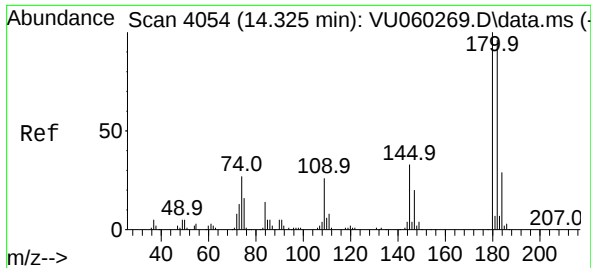
Tgt Ion: 91 Resp: 1620
Ion Ratio Lower Upper
91 100
92 40.7 41.1 61.7#
134 13.5 18.8 28.2#



#89
Naphthalene
Concen: 0.407 ug/l
RT: 14.094 min Scan# 3982
Delta R.T. 0.010 min
Lab File: VU060271.D
Acq: 30 Jul 2024 18:56

Tgt Ion: 128 Resp: 5344
Ion Ratio Lower Upper
128 100
127 13.9 10.5 15.7
129 8.7 8.7 13.1#





#90

1,2,3-Trichlorobenzene

Concen: 0.325 ug/l

RT: 14.335 min Scan# 4057

Delta R.T. 0.010 min

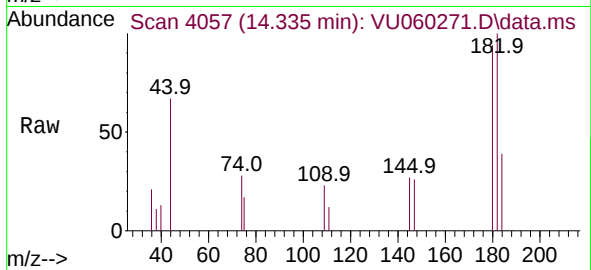
Lab File: VU060271.D

Acq: 30 Jul 2024 18:56

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 1463

Ion Ratio Lower Upper

180 100

182 107.4 76.2 114.2

145 29.9 25.6 38.4

