

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101422\
 Data File : VU051424.D
 Acq On : 14 Oct 2022 15:15
 Operator : JC/MD
 Sample : N4817-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 38025-110221

Quant Time: Oct 15 06:10:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 05 02:45:21 2022
 Response via : Initial Calibration

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

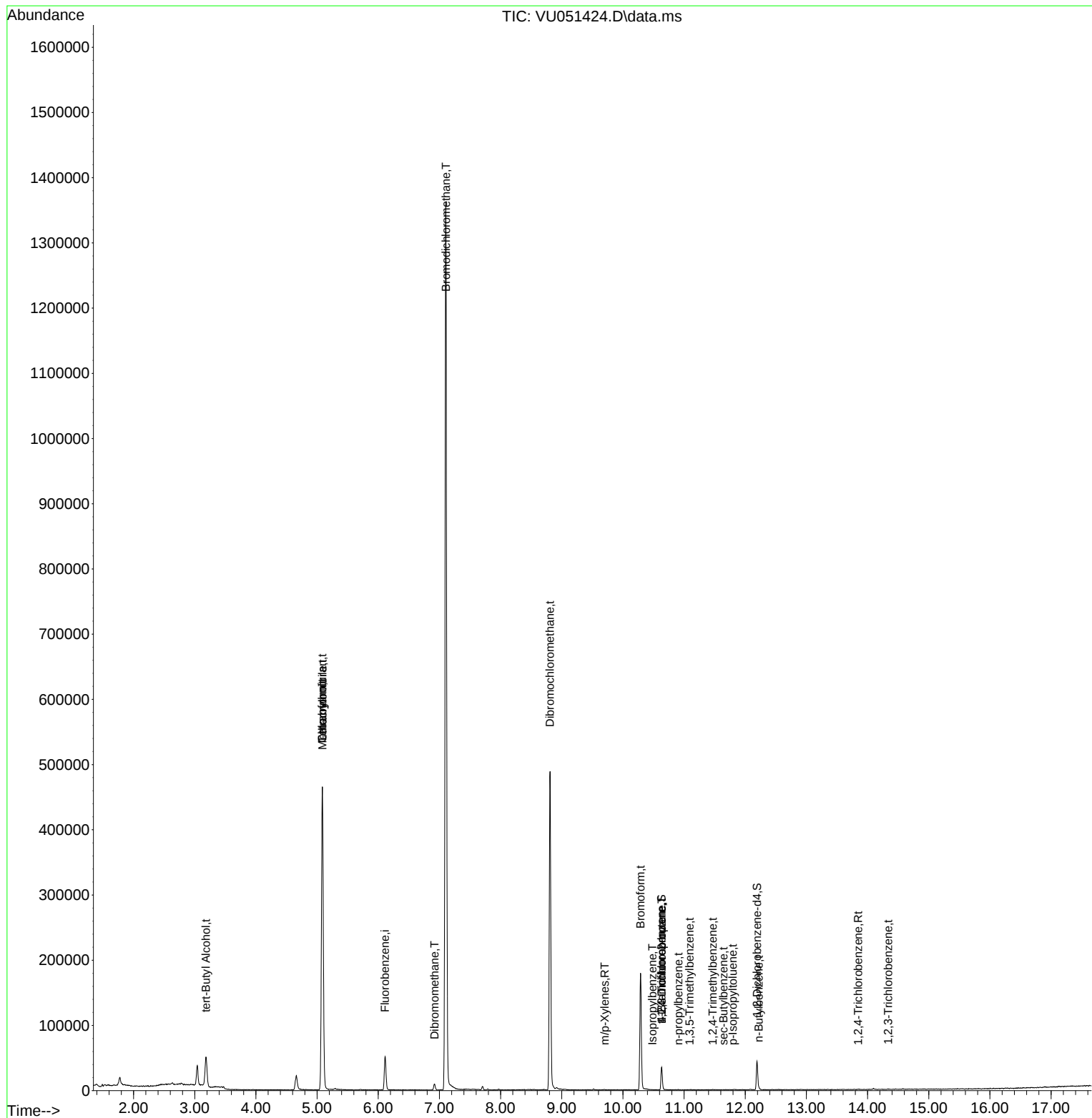
Internal Standards						
1) Fluorobenzene	6.111	96	46393	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	12183	0.799	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	12441	0.734	ug/l	0.00
Spiked Amount 1.000			Recovery	=	73.000%	
Target Compounds						
						Qvalue
13) Acetone	2.671	43	91	Below Cal	#	42
15) Methylene Chloride	3.041	84	13722	Below Cal		89
18) 2-Butanone	4.755	43	182	Below Cal		75
24) tert-Butyl Alcohol	3.182	59	26731	47.616	ug/l #	74
27) Chloroform	5.086	83	414082	15.482	ug/l	97
39) Methacrylonitrile	5.089	41	1248	0.310	ug/l #	23
41) Tetrahydrofuran	5.086	42	1342	0.630	ug/l #	1
43) Dibromomethane	6.919	93	3686	0.448	ug/l	97
44) Bromodichloromethane	7.105	83	877387	45.720	ug/l	97
46) t-1,4-Dichloro-2-butene	10.635	75	5529	1.940	ug/l #	23
55) Dibromochloromethane	8.809	129	251770	19.374	ug/l	97
64) m/p-Xylenes	9.703	106	205	0.883	ug/l #	68
67) Bromoform	10.288	173	79311	10.574	ug/l	99
69) Isopropylbenzene	10.484	105	100	0.474	ug/l #	50
71) 1,2,3-Trichloropropane	10.635	75	5529	0.447	ug/l #	35
73) n-propylbenzene	10.909	120	41	0.534	ug/l	94
75) 1,3,5-Trimethylbenzene	11.092	105	105	0.478	ug/l	88
78) 1,2,4-Trimethylbenzene	11.468	105	314	0.498	ug/l #	33
79) sec-Butylbenzene	11.642	105	109	0.439	ug/l #	58
80) Nitrobenzene	13.240	77	132	Below Cal	#	42
81) p-Isopropyltoluene	11.796	119	126	0.546	ug/l #	50
84) n-Butylbenzene	12.221	91	313	0.585	ug/l #	46
87) 1,2,4-Trichlorobenzene	13.844	180	383	0.390	ug/l #	83
90) 1,2,3-Trichlorobenzene	14.336	180	369	0.363	ug/l #	68

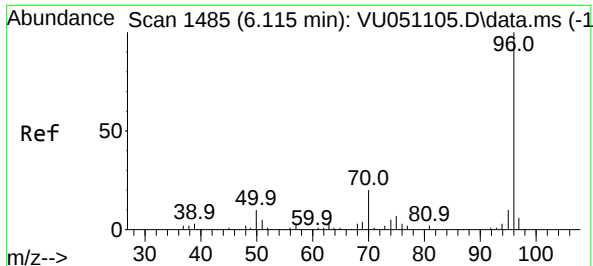
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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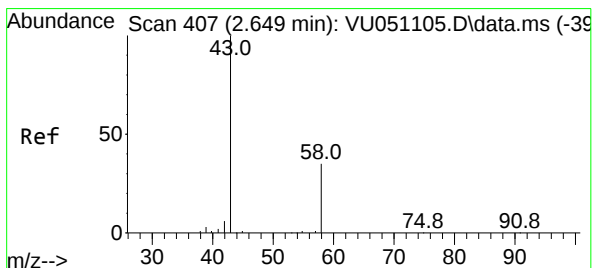
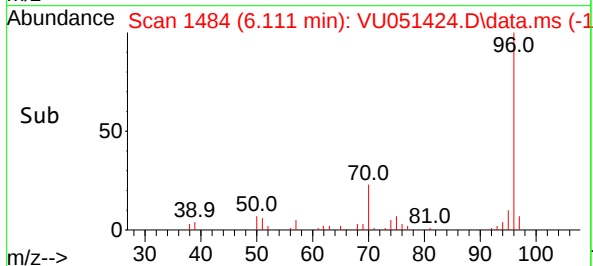
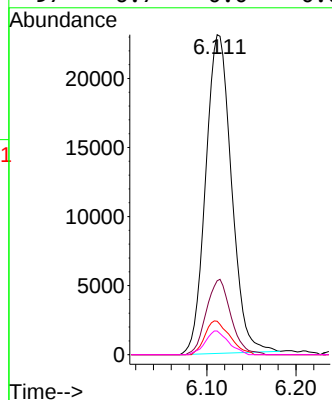
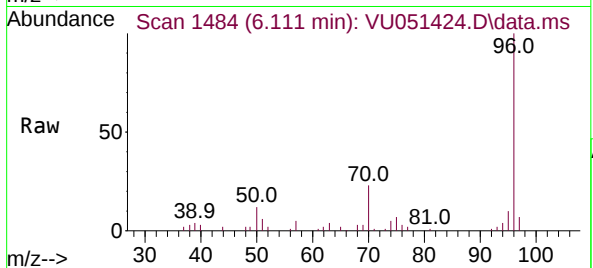




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.111 min Scan# 14
Delta R.T. -0.004 min
Lab File: VU051424.D
Acq: 14 Oct 2022 15:15

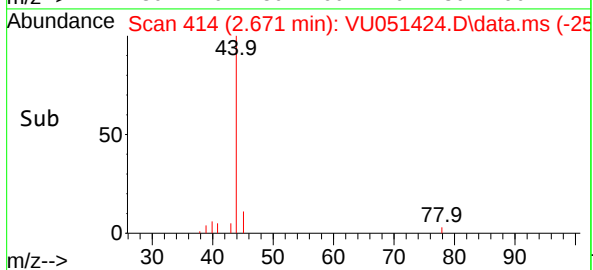
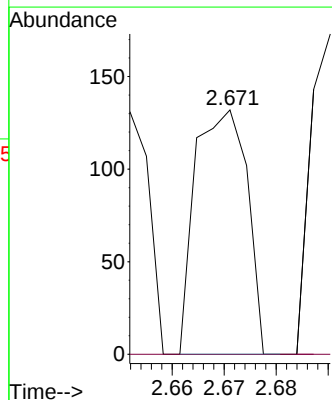
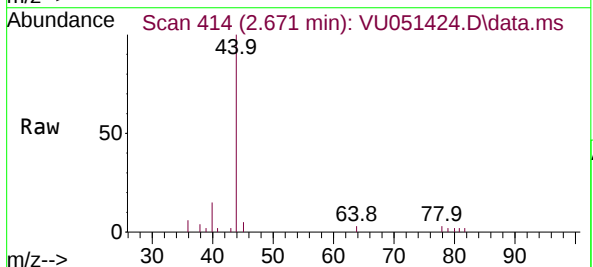
Instrument :
MSVOA_U
ClientSampleId :
38025-110221

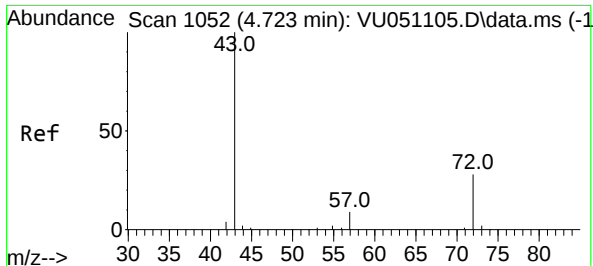
Tgt Ion: 96	Resp: 46393
Ion Ratio	Lower Upper
96 100	
70 22.5	16.7 25.1
95 10.2	7.4 11.0
97 6.7	0.0 0.0#



#13
Acetone
Concen: Below Cal
RT: 2.671 min Scan# 414
Delta R.T. 0.022 min
Lab File: VU051424.D
Acq: 14 Oct 2022 15:15

Tgt Ion: 43	Resp: 91
Ion Ratio	Lower Upper
43 100	
58 0.0	26.2 39.2#





#18

2-Butanone

Concen: Below Cal

RT: 4.755 min Scan# 1062

Delta R.T. 0.032 min

Lab File: VU051424.D

Acq: 14 Oct 2022 15:15

Instrument :

MSVOA_U

ClientSampleId :

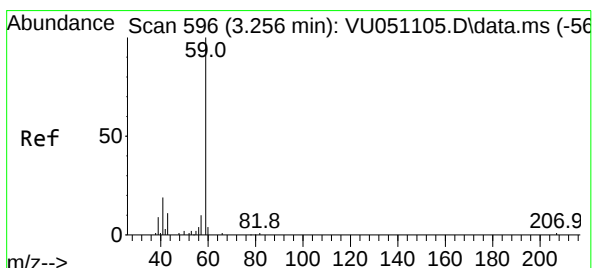
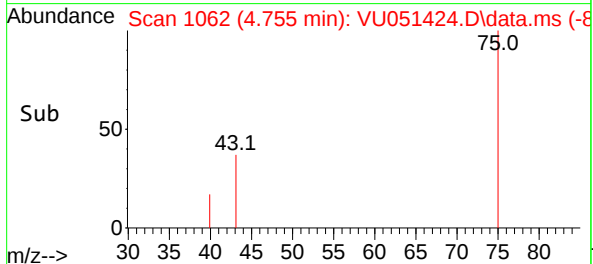
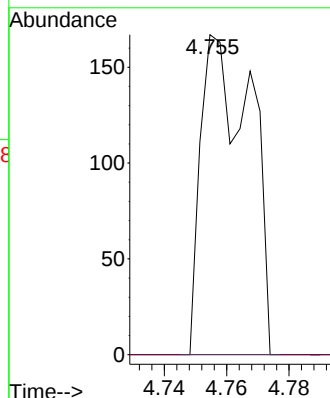
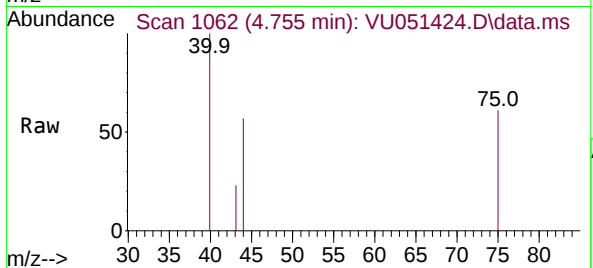
38025-110221

Tgt Ion: 43 Resp: 182

Ion Ratio Lower Upper

43 100

57 0.0 0.0 18.0



#24

tert-Butyl Alcohol

Concen: 47.616 ug/l

RT: 3.182 min Scan# 573

Delta R.T. -0.074 min

Lab File: VU051424.D

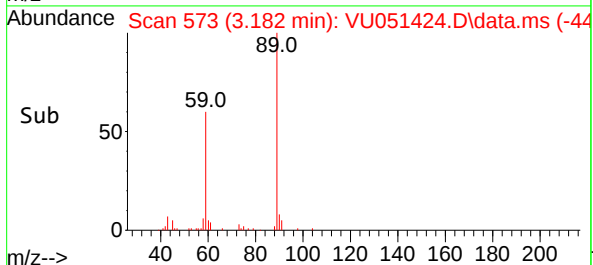
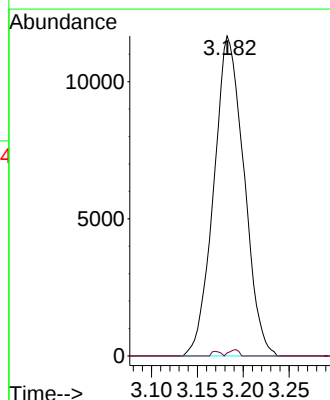
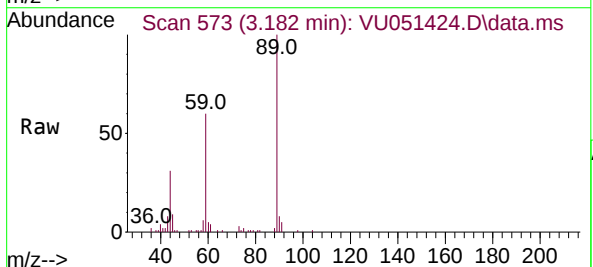
Acq: 14 Oct 2022 15:15

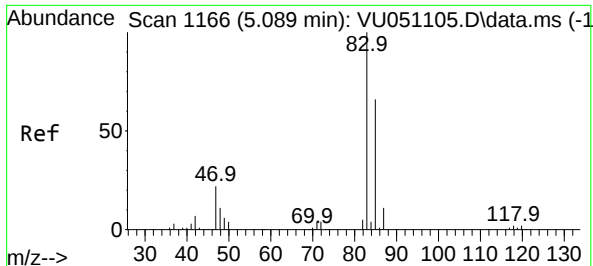
Tgt Ion: 59 Resp: 26731

Ion Ratio Lower Upper

59 100

57 0.6 8.2 12.2#





#27

Chloroform

Concen: 15.482 ug/l

RT: 5.086 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU051424.D

Acq: 14 Oct 2022 15:15

Instrument :

MSVOA_U

ClientSampleId :

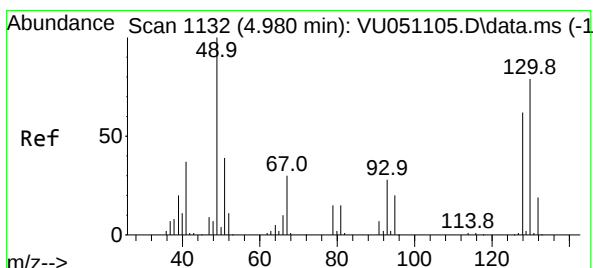
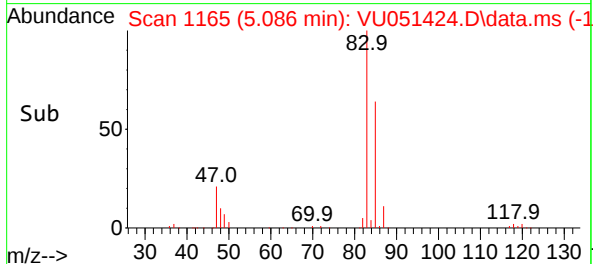
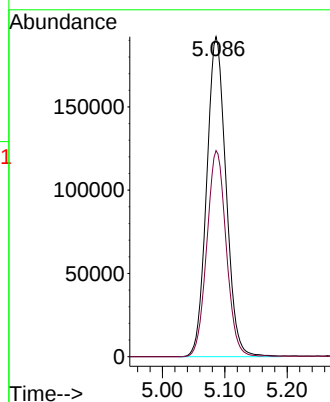
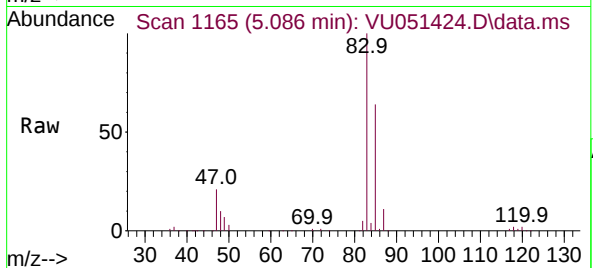
38025-110221

Tgt Ion: 83 Resp: 414082

Ion Ratio Lower Upper

83 100

85 64.4 0.0 133.6



#39

Methacrylonitrile

Concen: 0.310 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. 0.109 min

Lab File: VU051424.D

Acq: 14 Oct 2022 15:15

Tgt Ion: 41 Resp: 1248

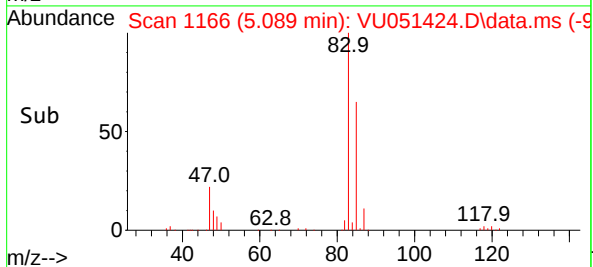
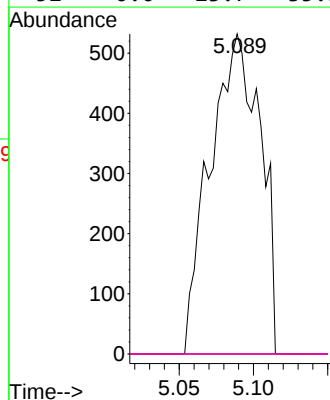
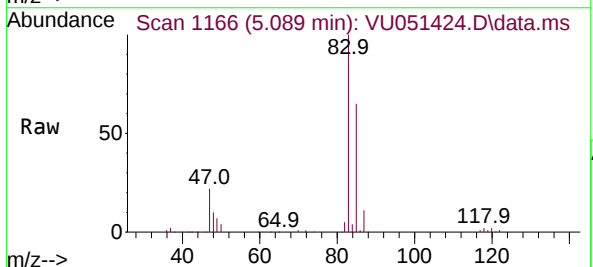
Ion Ratio Lower Upper

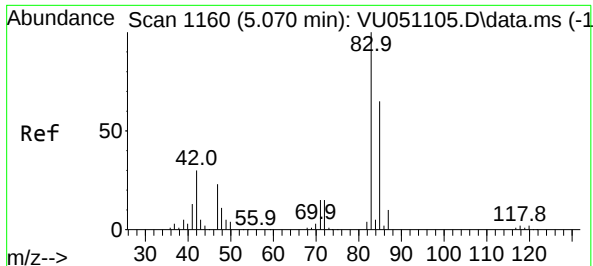
41 100

67 0.0 59.4 89.0#

39 0.0 42.2 63.2#

52 0.0 23.7 35.5#





#41

Tetrahydrofuran

Concen: 0.630 ug/l

RT: 5.086 min Scan# 1165

Delta R.T. 0.016 min

Lab File: VU051424.D

Acq: 14 Oct 2022 15:15

Instrument :

MSVOA_U

ClientSampleId :

38025-110221

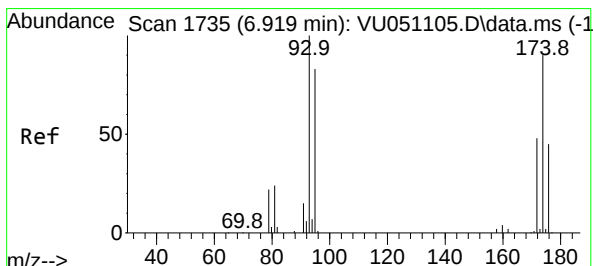
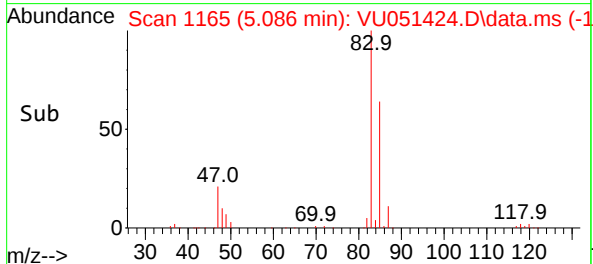
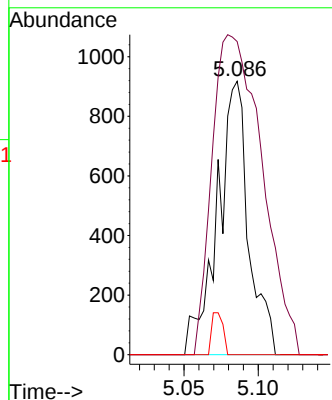
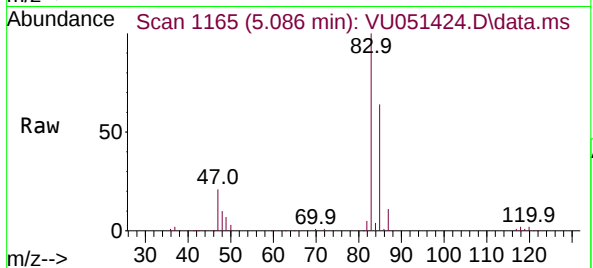
Tgt Ion: 42 Resp: 1342

Ion Ratio Lower Upper

42 100

72 187.4 38.9 58.3#

71 5.5 33.7 50.5#



#43

Dibromomethane

Concen: 0.448 ug/l

RT: 6.919 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VU051424.D

Acq: 14 Oct 2022 15:15

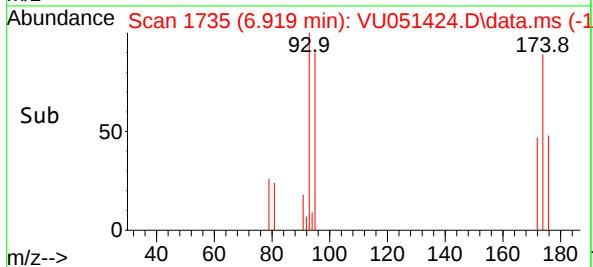
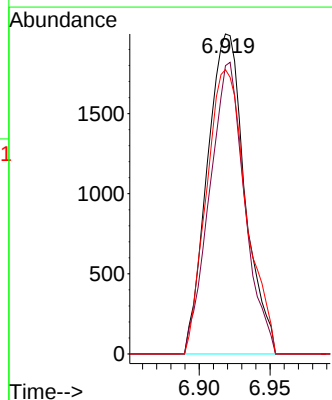
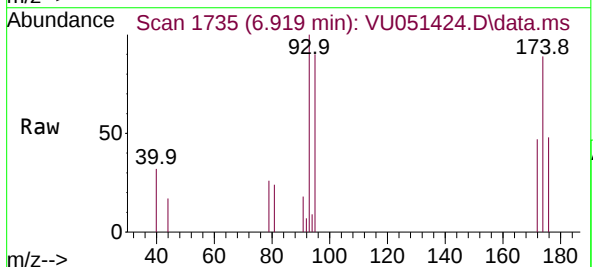
Tgt Ion: 93 Resp: 3686

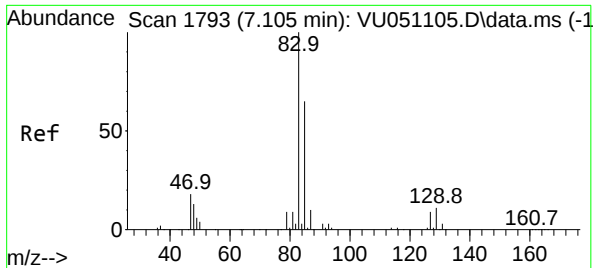
Ion Ratio Lower Upper

93 100

95 84.9 65.0 97.6

174 93.4 76.3 114.5

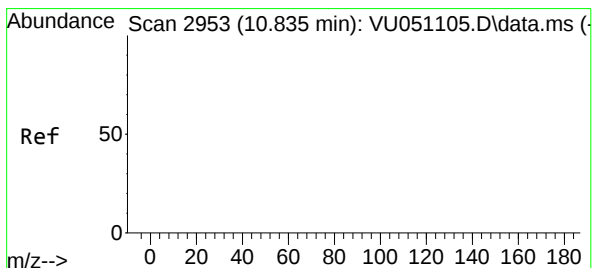
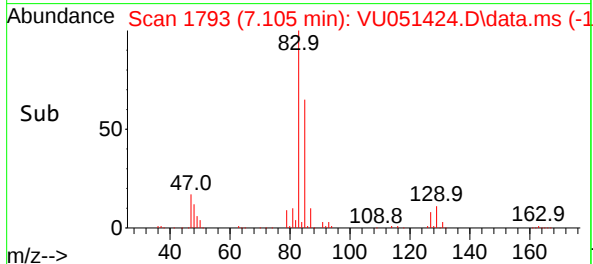
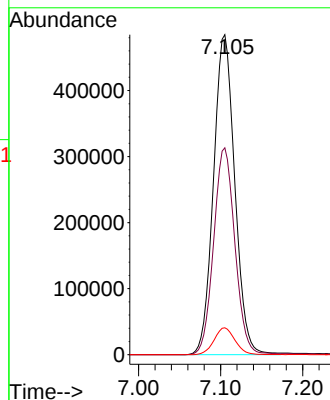
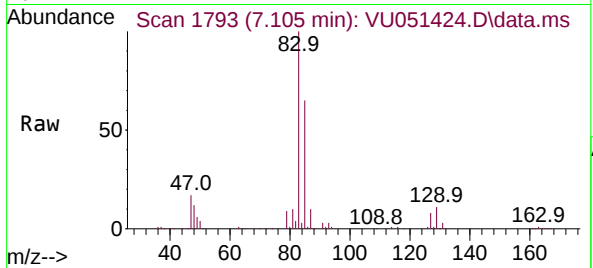




#44
Bromodichloromethane
Concen: 45.720 ug/l
RT: 7.105 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051424.D
Acq: 14 Oct 2022 15:15

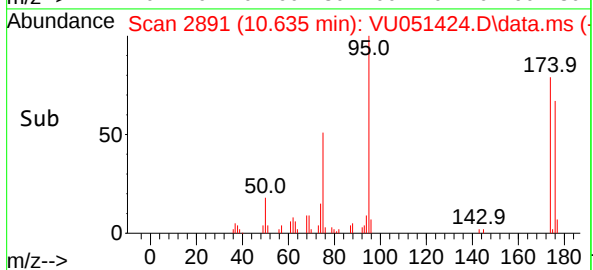
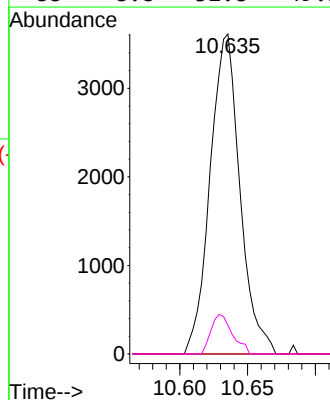
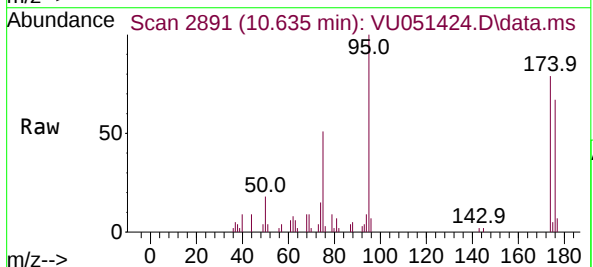
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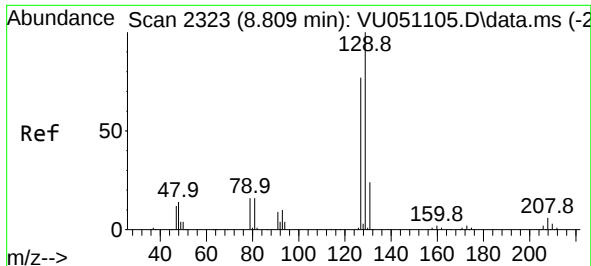
Tgt Ion: 83 Resp: 877387
Ion Ratio Lower Upper
83 100
85 64.6 49.4 74.0
127 8.4 6.6 10.0



#46
t-1,4-Dichloro-2-butene
Concen: 1.940 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.200 min
Lab File: VU051424.D
Acq: 14 Oct 2022 15:15

Tgt Ion: 75 Resp: 5529
Ion Ratio Lower Upper
75 100
53 0.0 64.4 96.6#
89 0.0 44.2 66.2#
88 8.8 32.8 49.2#

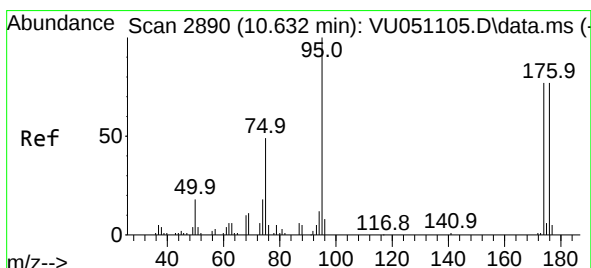
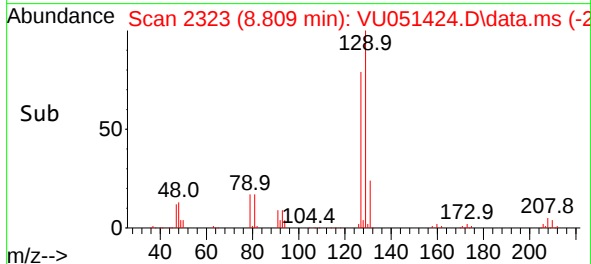
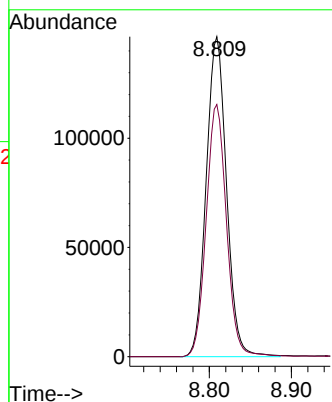
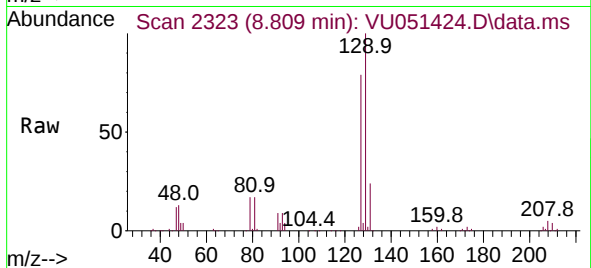




#55
Dibromochloromethane
Concen: 19.374 ug/l
RT: 8.809 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051424.D
Acq: 14 Oct 2022 15:15

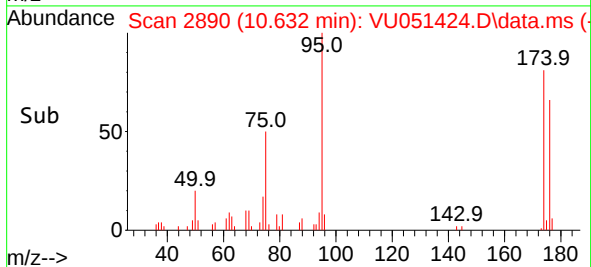
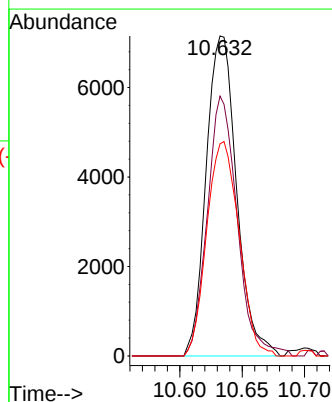
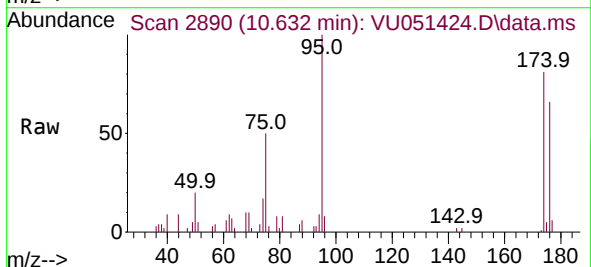
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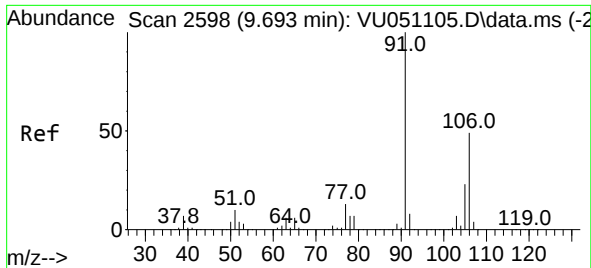
Tgt Ion:129 Resp: 251770
Ion Ratio Lower Upper
129 100
127 78.8 61.2 91.8



#57
4-Bromofluorobenzene
Concen: 0.799 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU051424.D
Acq: 14 Oct 2022 15:15

Tgt Ion: 95 Resp: 12183
Ion Ratio Lower Upper
95 100
174 79.5 62.4 93.6
176 71.0 56.2 84.2

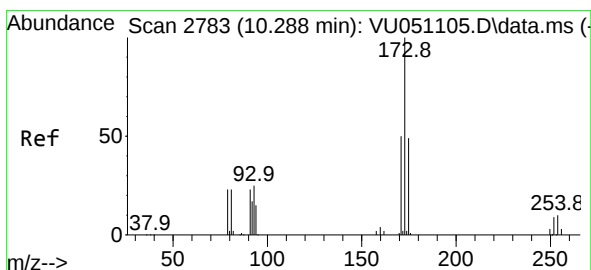
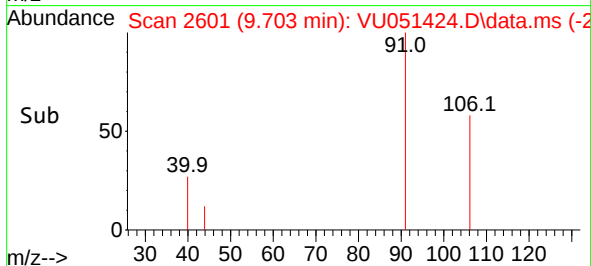
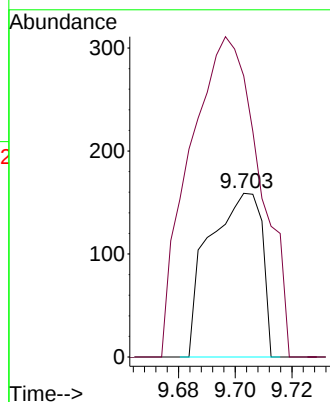
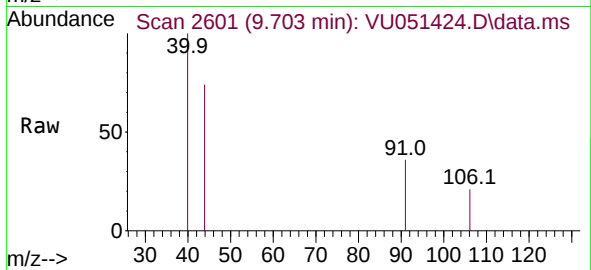




#64
m/p-Xylenes
Concen: 0.883 ug/l
RT: 9.703 min Scan# 210
Delta R.T. 0.010 min
Lab File: VU051424.D
Acq: 14 Oct 2022 15:15

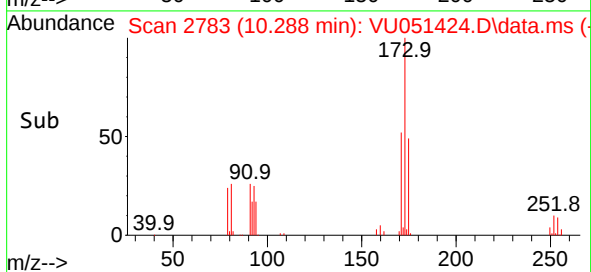
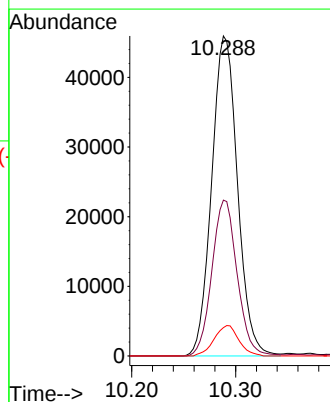
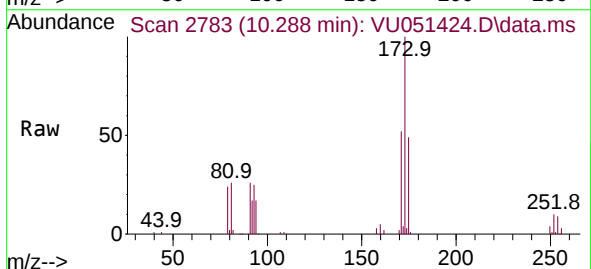
Instrument :
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38025-110221

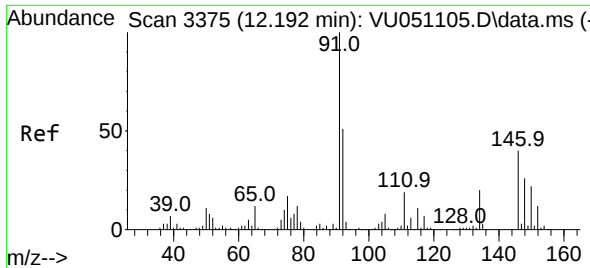
Tgt Ion:106 Resp: 205
Ion Ratio Lower Upper
106 100
91 259.0 167.8 251.6#



#67
Bromoform
Concen: 10.574 ug/l
RT: 10.288 min Scan# 2783
Delta R.T. -0.000 min
Lab File: VU051424.D
Acq: 14 Oct 2022 15:15

Tgt Ion:173 Resp: 79311
Ion Ratio Lower Upper
173 100
175 47.5 38.4 57.6
254 9.1 7.7 11.5

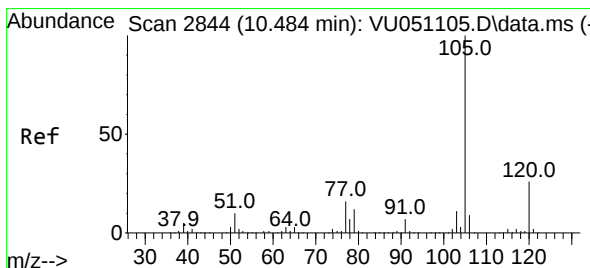
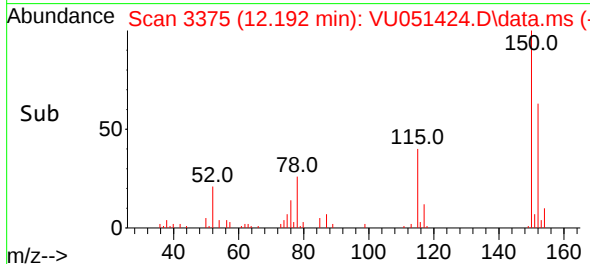
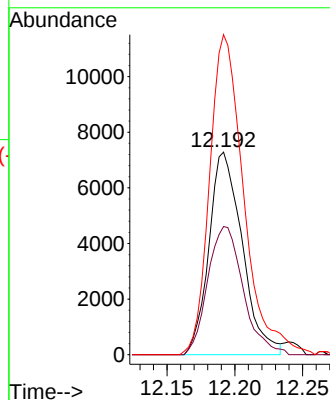
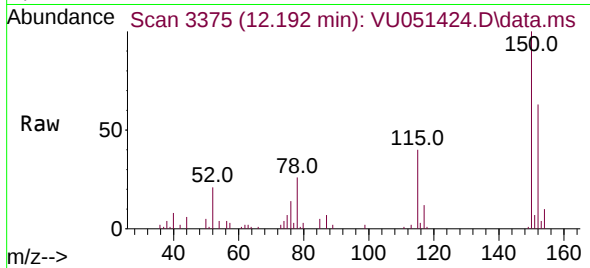




#68
1,2-Dichlorobenzene-d4
Concen: 0.734 ug/l
RT: 12.192 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU051424.D
Acq: 14 Oct 2022 15:15

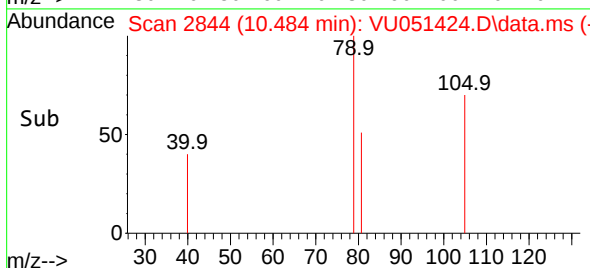
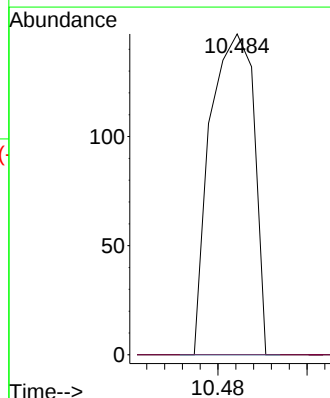
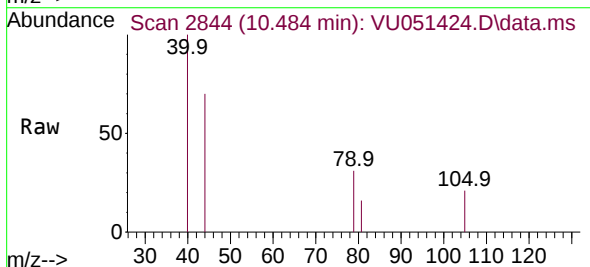
Instrument :
MSVOA_U
ClientSampleId :
38025-110221

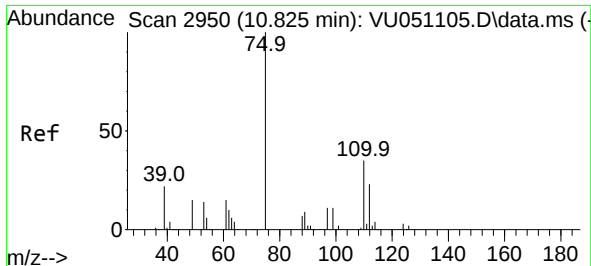
Tgt Ion:152 Resp: 12441
Ion Ratio Lower Upper
152 100
115 67.2 0.0 254.6
150 161.8 0.0 623.6



#69
Isopropylbenzene
Concen: 0.474 ug/l
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU051424.D
Acq: 14 Oct 2022 15:15

Tgt Ion:105 Resp: 100
Ion Ratio Lower Upper
105 100
120 0.0 12.6 37.8#

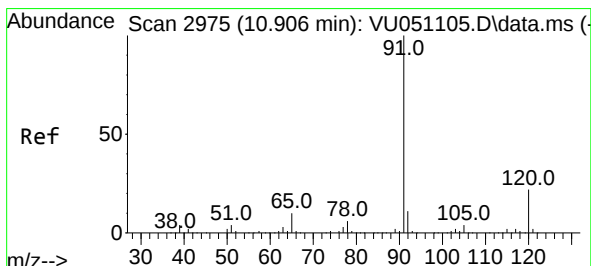
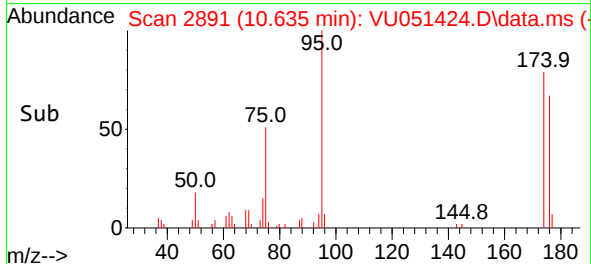
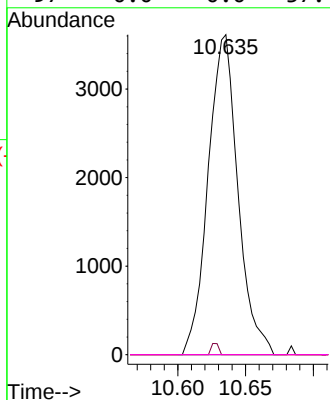
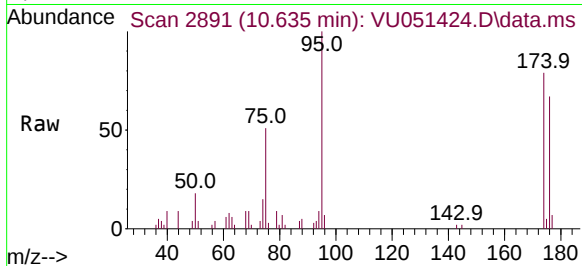




#71
1,2,3-Trichloropropane
Concen: 0.447 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU051424.D
Acq: 14 Oct 2022 15:15

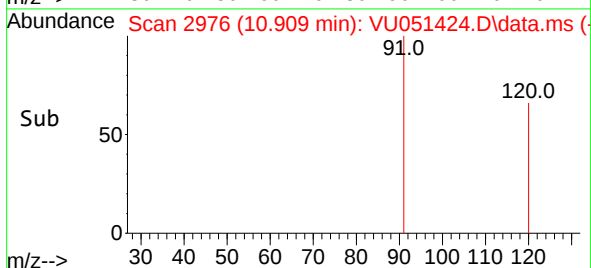
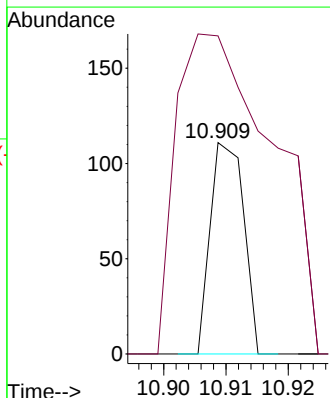
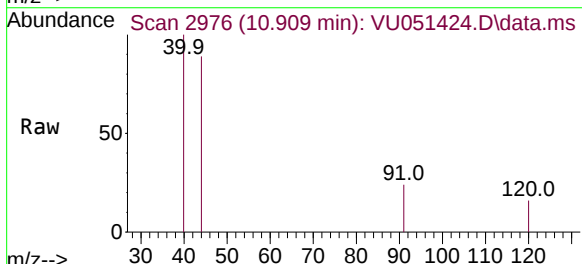
Instrument :
MSVOA_U
ClientSampleId :
38025-110221

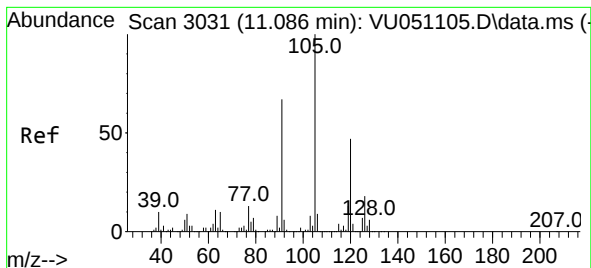
Tgt Ion:	75	Resp:	5529
Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	112.4
110	0.0	0.0	70.6
97	0.0	0.0	37.4



#73
n-propylbenzene
Concen: 0.534 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU051424.D
Acq: 14 Oct 2022 15:15

Tgt Ion:	120	Resp:	41
Ion	Ratio	Lower	Upper
120	100		
91	443.9	367.8	551.6





#75

1,3,5-Trimethylbenzene

Concen: 0.478 ug/l

RT: 11.092 min Scan# 3031

Delta R.T. 0.006 min

Lab File: VU051424.D

Acq: 14 Oct 2022 15:15

Instrument :

MSVOA_U

ClientSampleId :

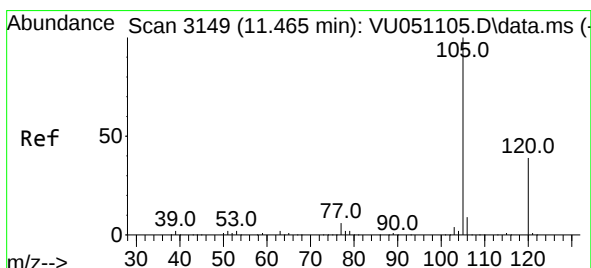
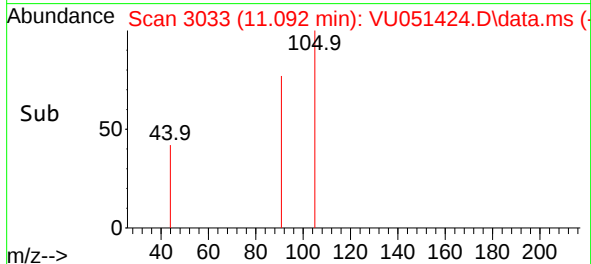
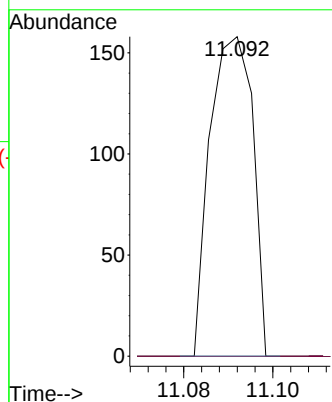
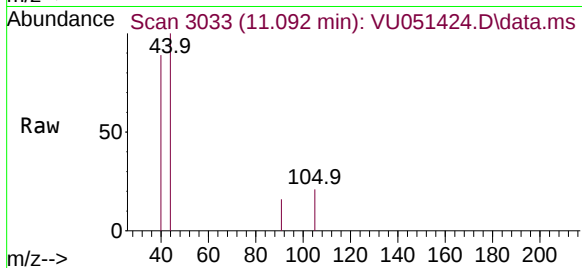
38025-110221

Tgt Ion:105 Resp: 105

Ion Ratio Lower Upper

105 100

120 39.0 37.6 56.4



#78

1,2,4-Trimethylbenzene

Concen: 0.498 ug/l

RT: 11.468 min Scan# 3150

Delta R.T. 0.003 min

Lab File: VU051424.D

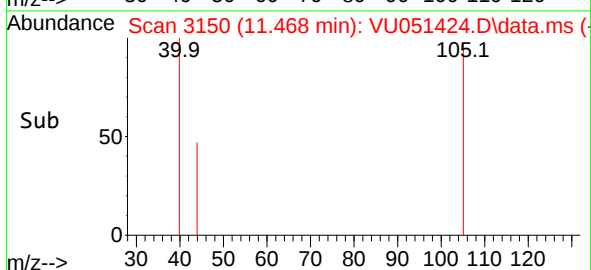
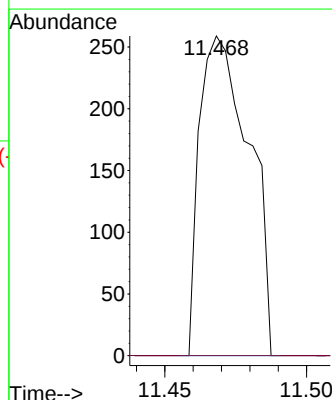
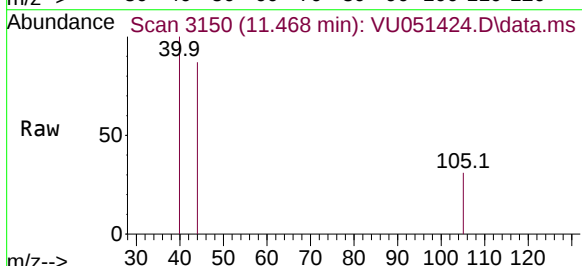
Acq: 14 Oct 2022 15:15

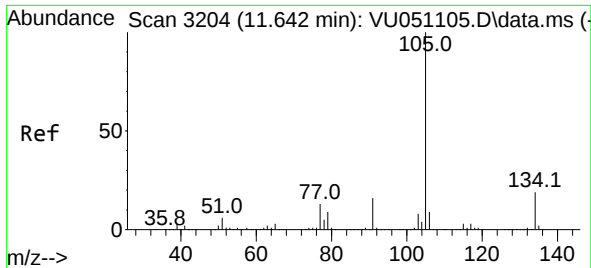
Tgt Ion:105 Resp: 314

Ion Ratio Lower Upper

105 100

120 0.0 21.6 65.0#

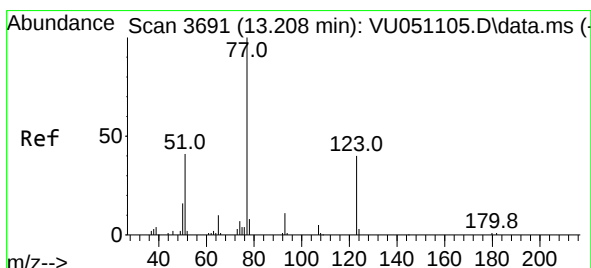
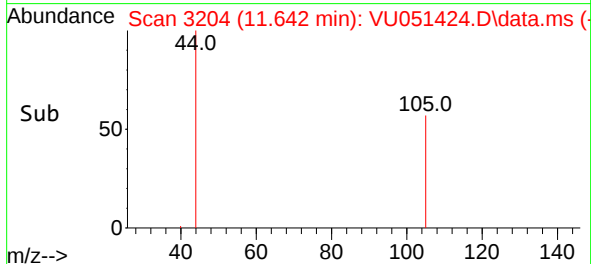
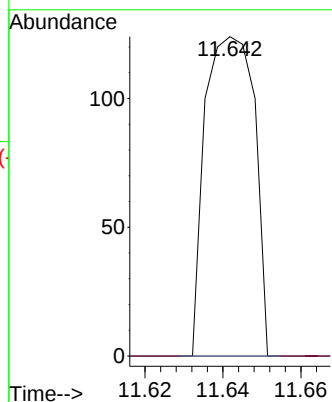
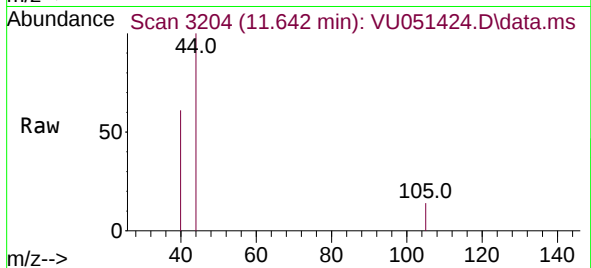




#79
 sec-Butylbenzene
 Concen: 0.439 ug/l
 RT: 11.642 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU051424.D
 Acq: 14 Oct 2022 15:15

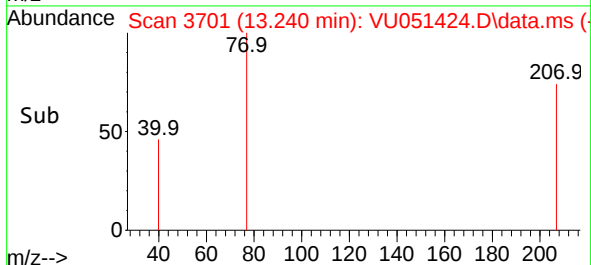
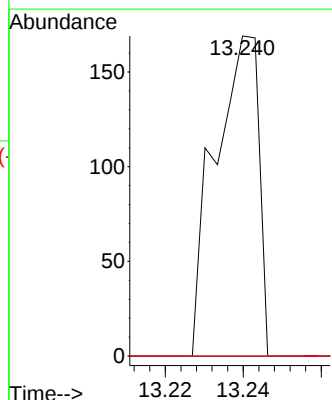
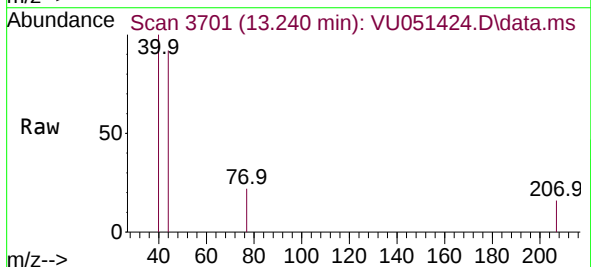
Instrument :
 MSVOA_U
 ClientSampleId :
 38025-110221

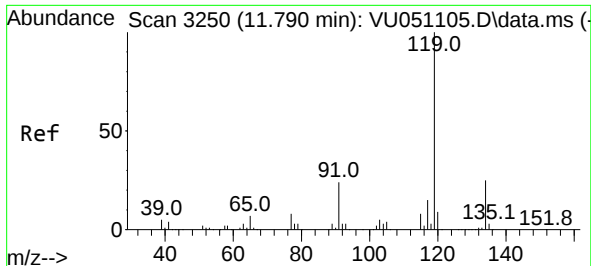
Tgt Ion:105 Resp: 109
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.4 23.0#



#80
 Nitrobenzene
 Concen: Below Cal
 RT: 13.240 min Scan# 3701
 Delta R.T. 0.032 min
 Lab File: VU051424.D
 Acq: 14 Oct 2022 15:15

Tgt Ion: 77 Resp: 132
 Ion Ratio Lower Upper
 77 100
 123 0.0 18.1 64.3#
 65 0.0 10.8 13.8#





#81

p-Isopropyltoluene

Concen: 0.546 ug/l

RT: 11.796 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU051424.D

Acq: 14 Oct 2022 15:15

Instrument :

MSVOA_U

ClientSampleId :

38025-110221

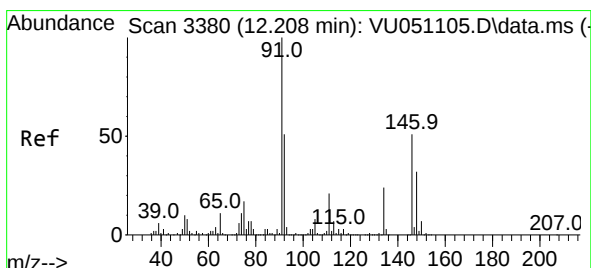
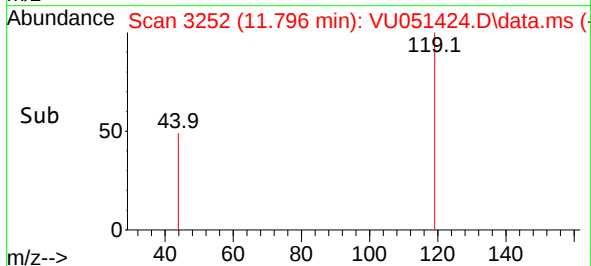
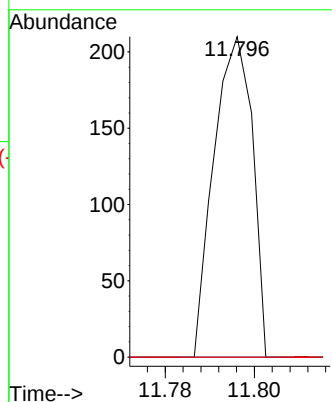
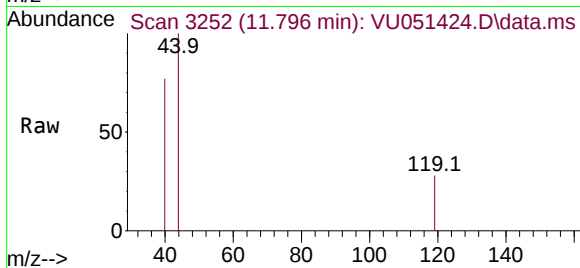
Tgt Ion:119 Resp: 126

Ion Ratio Lower Upper

119 100

134 0.0 20.5 30.7#

91 0.0 19.8 29.6#



#84

n-Butylbenzene

Concen: 0.585 ug/l

RT: 12.221 min Scan# 3384

Delta R.T. 0.013 min

Lab File: VU051424.D

Acq: 14 Oct 2022 15:15

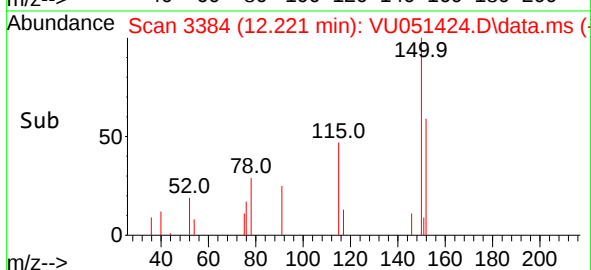
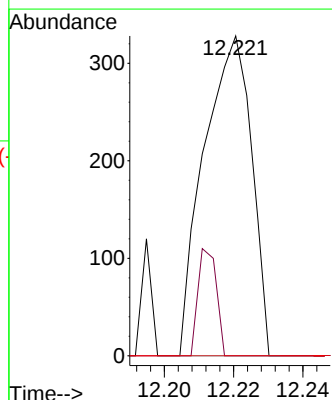
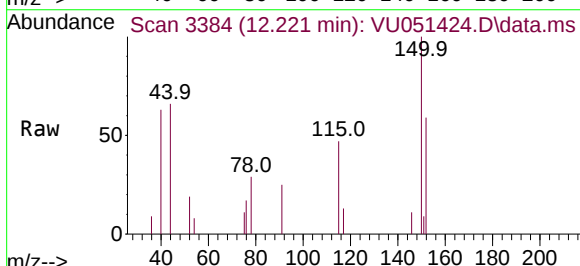
Tgt Ion: 91 Resp: 313

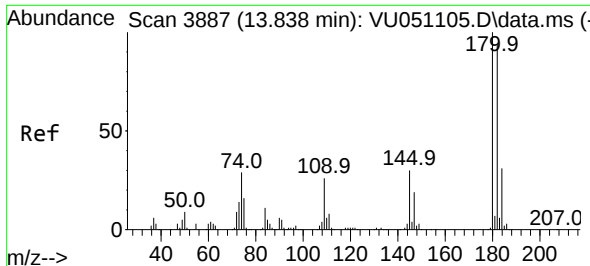
Ion Ratio Lower Upper

91 100

92 13.1 42.3 63.5#

134 0.0 19.6 29.4#





#87

1,2,4-Trichlorobenzene

Concen: 0.390 ug/l

RT: 13.844 min Scan# 3889

Delta R.T. 0.006 min

Lab File: VU051424.D

Acq: 14 Oct 2022 15:15

Instrument :

MSVOA_U

ClientSampleId :

38025-110221

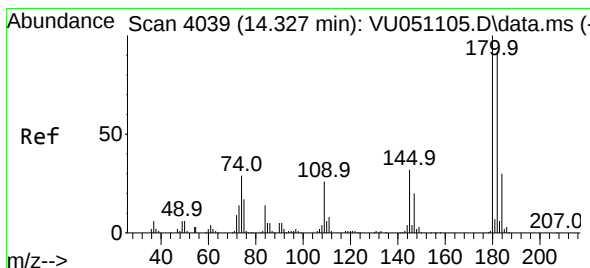
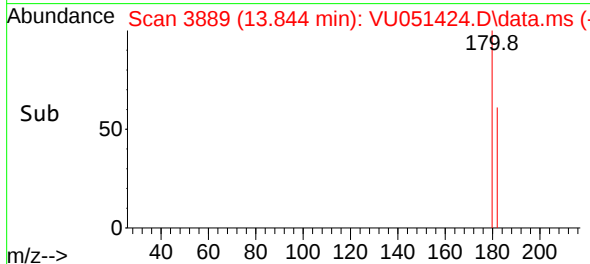
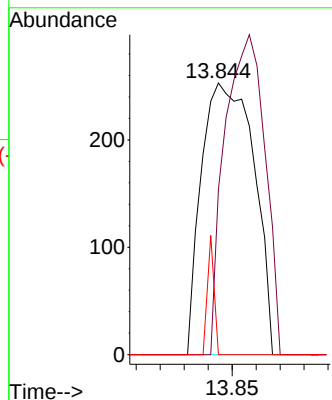
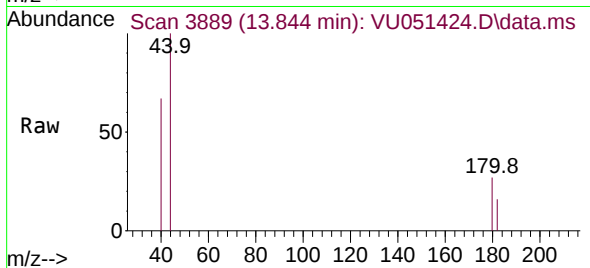
Tgt Ion:180 Resp: 383

Ion Ratio Lower Upper

180 100

182 90.1 77.0 115.6

145 5.5 25.7 38.5#



#90

1,2,3-Trichlorobenzene

Concen: 0.363 ug/l

RT: 14.336 min Scan# 4042

Delta R.T. 0.009 min

Lab File: VU051424.D

Acq: 14 Oct 2022 15:15

Tgt Ion:180 Resp: 369

Ion Ratio Lower Upper

180 100

182 117.9 76.6 114.8#

145 0.0 27.3 40.9#

