

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101922\
 Data File : VU051449.D
 Acq On : 19 Oct 2022 10:44
 Operator : JC/MD
 Sample : VU1019WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1019WBL01

Quant Time: Oct 20 07:12:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 18 04:53:19 2022
 Response via : Initial Calibration

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

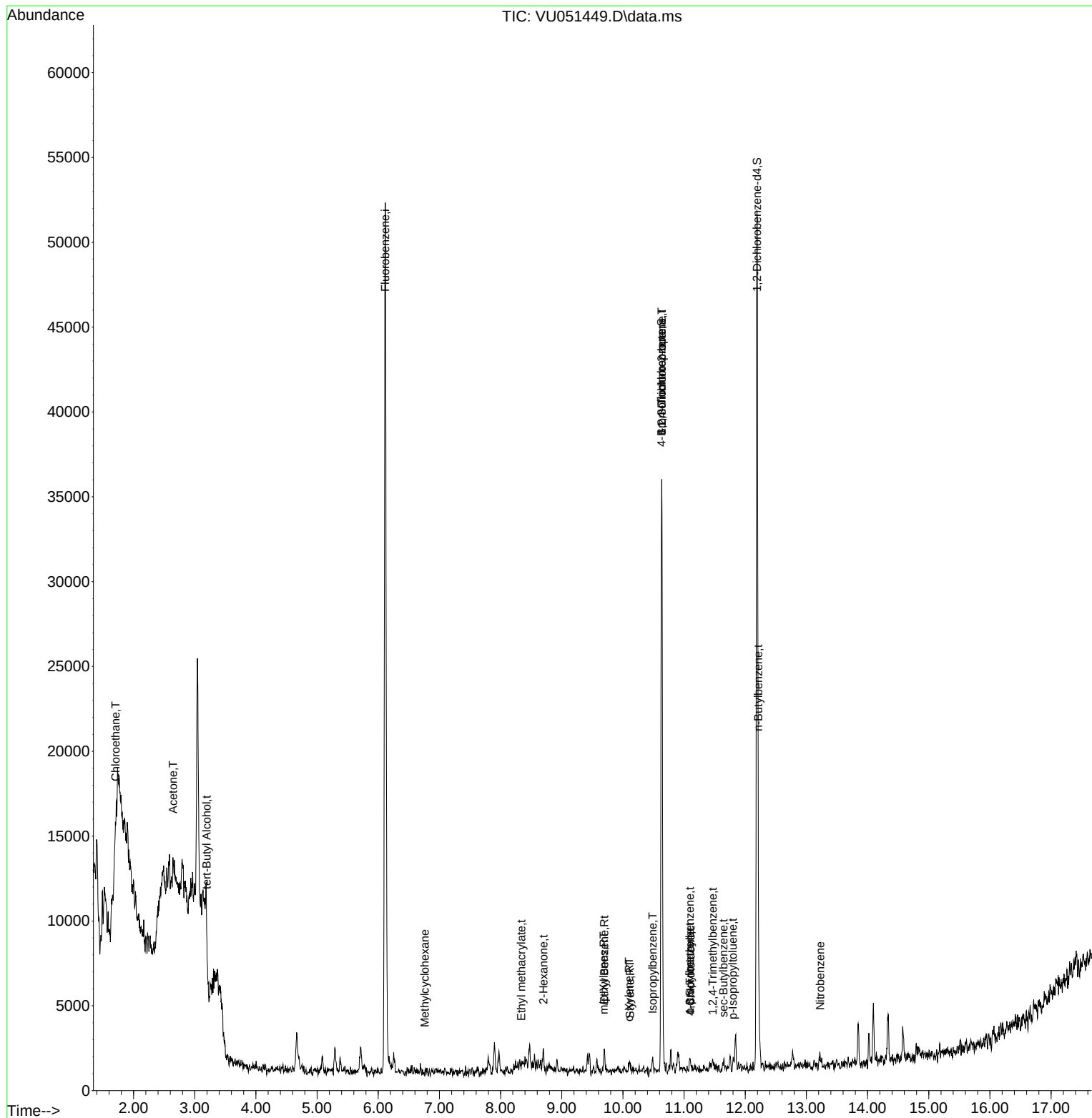
Internal Standards						
1) Fluorobenzene	6.115	96	48167	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	12386	0.733	ug/l	0.00
Spiked Amount 1.000			Recovery	=	73.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	14741	0.781	ug/l	0.00
Spiked Amount 1.000			Recovery	=	78.000%	
Target Compounds						
						Qvalue
6) Chloroethane	1.707	64	9895	0.757	ug/l	# 55
13) Acetone	2.645	43	1822	0.582	ug/l	# 80
15) Methylene Chloride	3.044	84	6675	Below Cal		95
20) Methylcyclohexane	6.761	83	19	0.620	ug/l	# 18
24) tert-Butyl Alcohol	3.195	59	301	0.222	ug/l	# 73
46) t-1,4-Dichloro-2-butene	10.635	75	6639	1.386	ug/l	# 25
48) Ethyl methacrylate	8.340	69	21	0.586	ug/l	# 22
54) 2-Hexanone	8.700	43	751	2.666	ug/l	# 84
63) Ethyl Benzene	9.697	91	1068	0.585	ug/l	94
64) m/p-Xylenes	9.687	106	197	1.048	ug/l	# 1
65) o-Xylene	10.099	106	80	0.483	ug/l	# 1
66) Styrene	10.118	104	243	0.547	ug/l	# 77
69) Isopropylbenzene	10.484	105	582	0.569	ug/l	# 49
71) 1,2,3-Trichloropropane	10.635	75	6639	0.513	ug/l	# 35
73) n-propylbenzene	11.092	120	155	0.590	ug/l	71
75) 1,3,5-Trimethylbenzene	11.092	105	339	0.539	ug/l	97
76) 4-Chlorotoluene	11.105	126	122	0.391	ug/l	44
78) 1,2,4-Trimethylbenzene	11.468	105	644	0.566	ug/l	74
79) sec-Butylbenzene	11.645	105	568	0.510	ug/l	# 89
80) Nitrobenzene	13.224	77	789	0.915	ug/l	# 43
81) p-Isopropyltoluene	11.793	119	318	0.589	ug/l	# 77
84) n-Butylbenzene	12.211	91	1038	0.596	ug/l	# 81

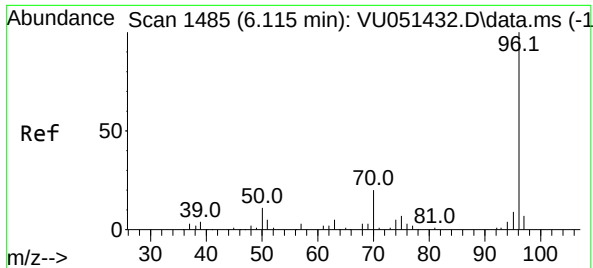
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 20 07:12:41 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Oct 18 04:53:19 2022
Response via : Initial Calibration

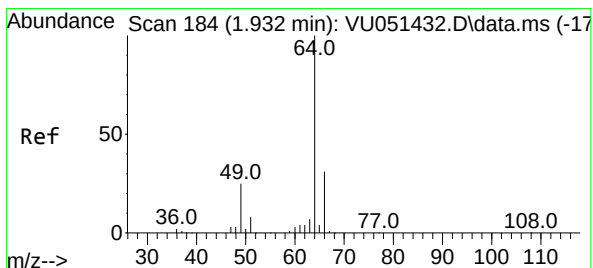
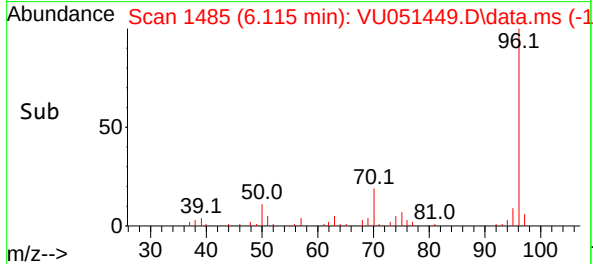
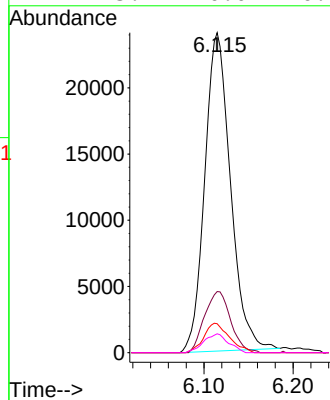
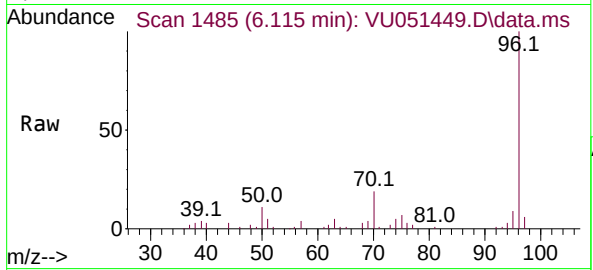




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.115 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051449.D
Acq: 19 Oct 2022 10:44

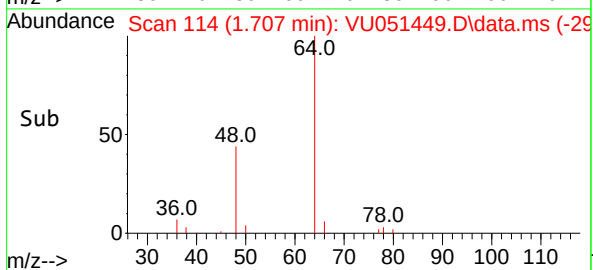
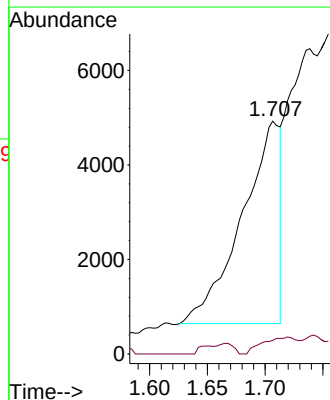
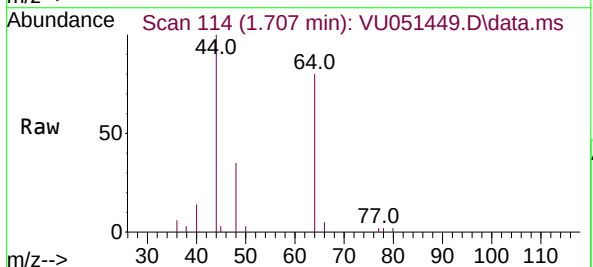
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBL01

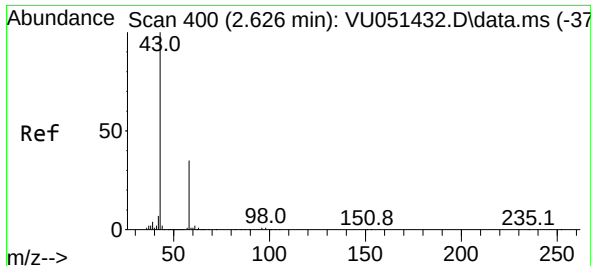
Tgt Ion: 96	Resp: 48167
Ion Ratio	Lower Upper
96 100	
70 19.4	16.7 25.1
95 9.2	7.5 11.3
97 5.7	0.0 0.0#



#6
Chloroethane
Concen: 0.757 ug/l
RT: 1.707 min Scan# 114
Delta R.T. -0.225 min
Lab File: VU051449.D
Acq: 19 Oct 2022 10:44

Tgt Ion: 64	Resp: 9895
Ion Ratio	Lower Upper
64 100	
66 6.7	25.2 37.8#





#13

Acetone

Concen: 0.582 ug/l

RT: 2.645 min Scan# 406

Delta R.T. 0.019 min

Lab File: VU051449.D

Acq: 19 Oct 2022 10:44

Instrument :

MSVOA_U

ClientSampleId :

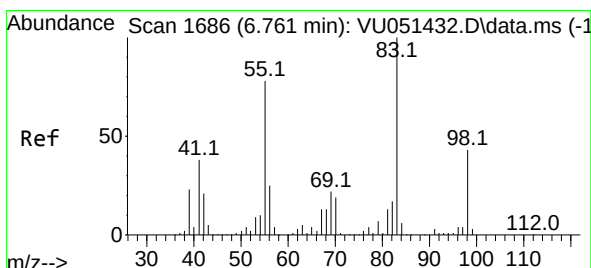
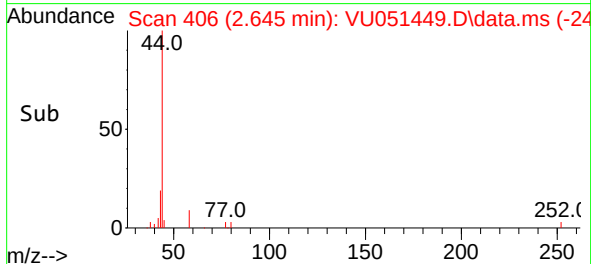
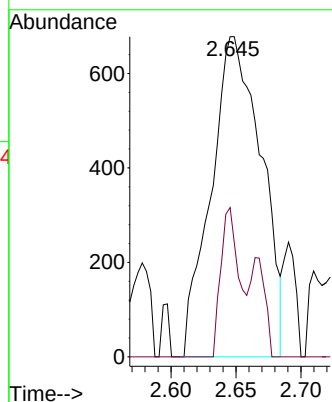
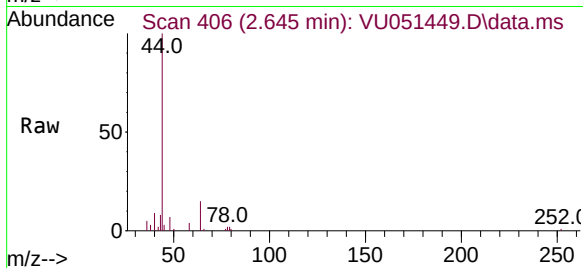
VU1019WBL01

Tgt Ion: 43 Resp: 1822

Ion Ratio Lower Upper

43 100

58 46.6 27.9 41.9#



#20

Methylcyclohexane

Concen: 0.620 ug/l

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU051449.D

Acq: 19 Oct 2022 10:44

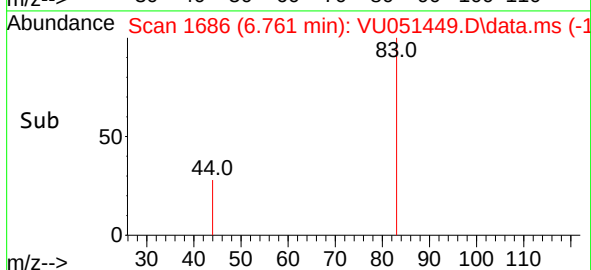
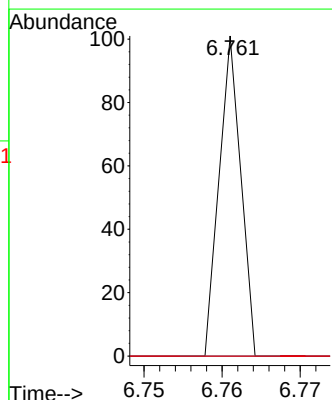
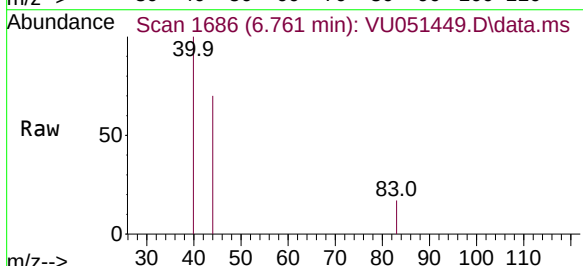
Tgt Ion: 83 Resp: 19

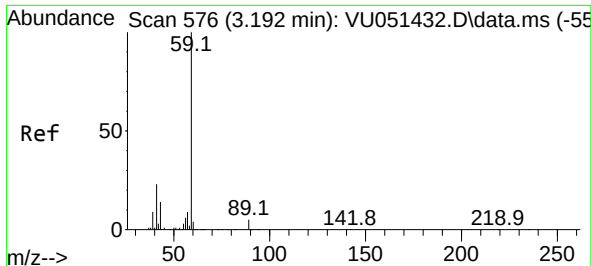
Ion Ratio Lower Upper

83 100

55 0.0 62.4 93.6#

98 0.0 35.5 53.3#

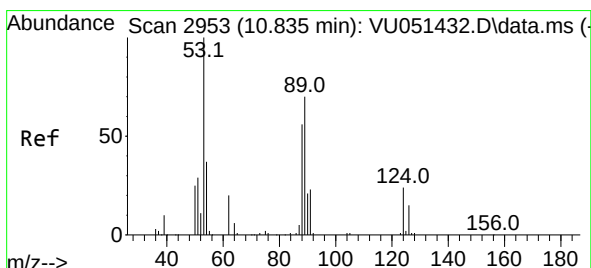
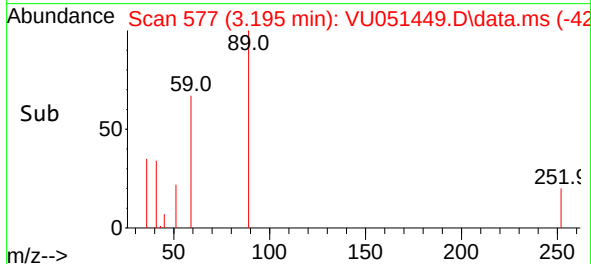
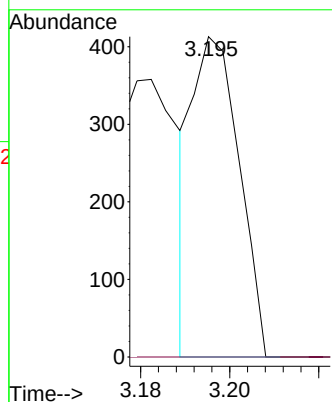
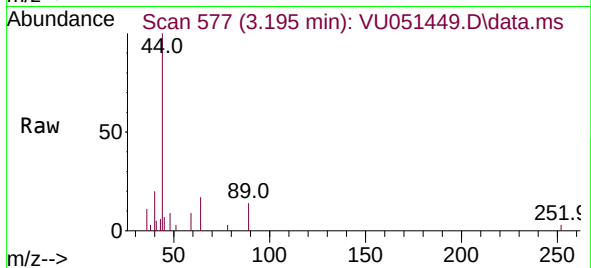




#24
tert-Butyl Alcohol
Concen: 0.222 ug/l
RT: 3.195 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU051449.D
Acq: 19 Oct 2022 10:44

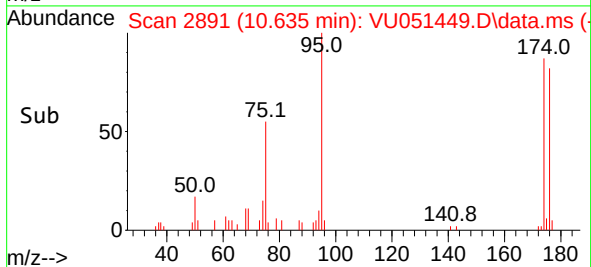
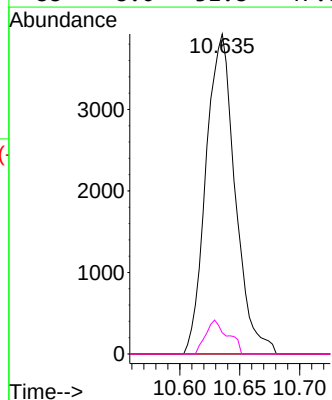
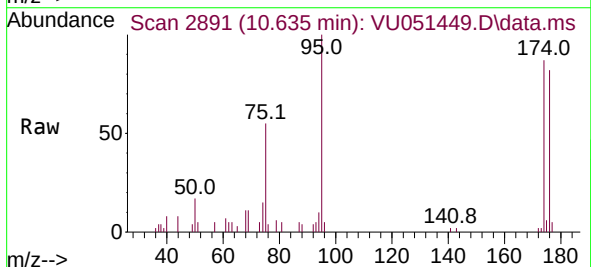
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBL01

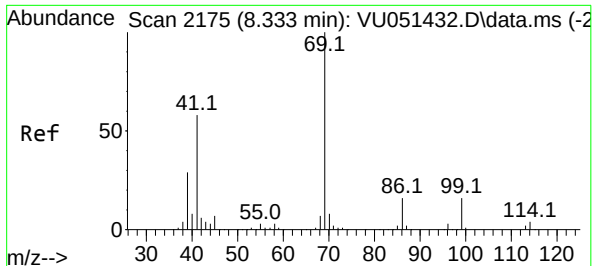
Tgt Ion: 59 Resp: 301
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#46
t-1,4-Dichloro-2-butene
Concen: 1.386 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.199 min
Lab File: VU051449.D
Acq: 19 Oct 2022 10:44

Tgt Ion: 75 Resp: 6639
Ion Ratio Lower Upper
75 100
53 0.0 61.1 91.7#
89 0.0 41.0 61.6#
88 8.0 31.8 47.8#





#48

Ethyl methacrylate

Concen: 0.586 ug/l

RT: 8.340 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU051449.D

Acq: 19 Oct 2022 10:44

Instrument :

MSVOA_U

ClientSampleId :

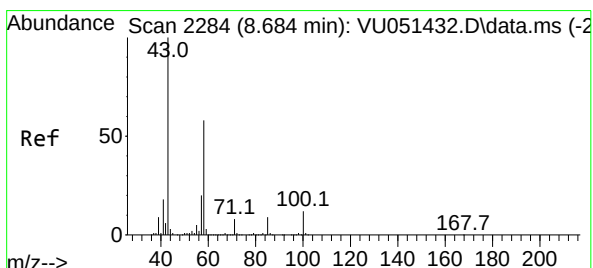
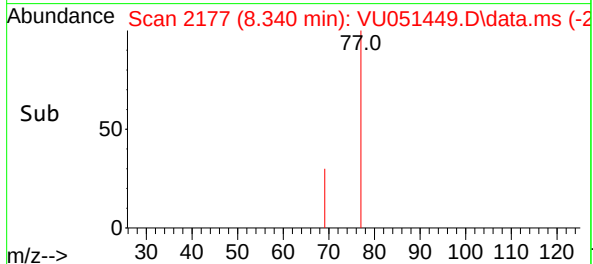
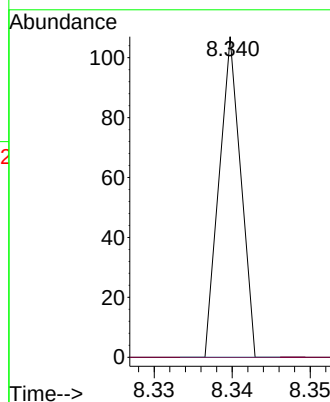
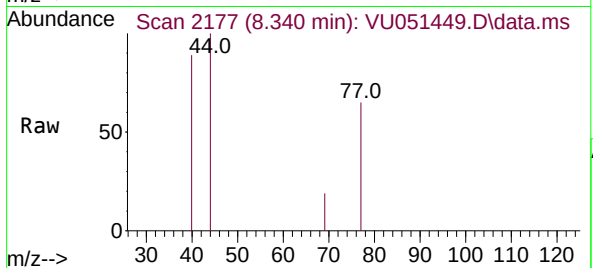
VU1019WBL01

Tgt Ion: 69 Resp: 21

Ion Ratio Lower Upper

69 100

41 0.0 28.8 86.5#



#54

2-Hexanone

Concen: 2.666 ug/l

RT: 8.700 min Scan# 2289

Delta R.T. 0.016 min

Lab File: VU051449.D

Acq: 19 Oct 2022 10:44

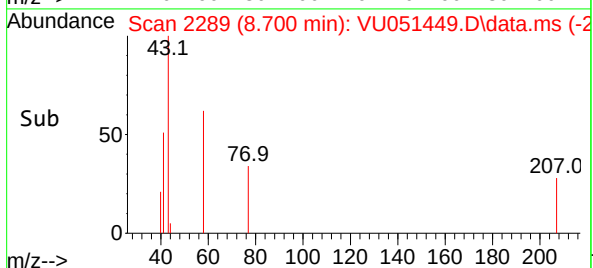
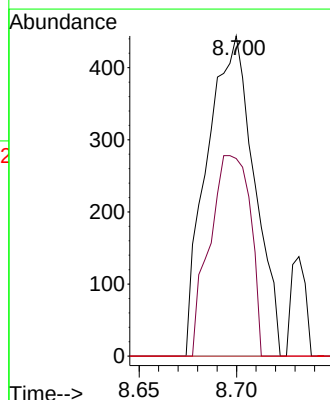
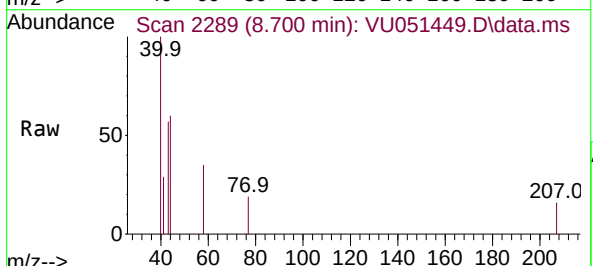
Tgt Ion: 43 Resp: 751

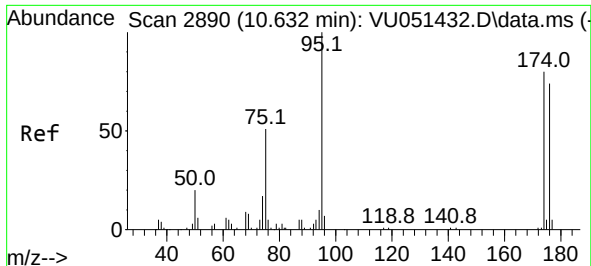
Ion Ratio Lower Upper

43 100

58 53.5 38.0 78.0

57 0.0 0.0 39.9





#57

4-Bromofluorobenzene

Concen: 0.733 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.000 min

Lab File: VU051449.D

Acq: 19 Oct 2022 10:44

Instrument :

MSVOA_U

ClientSampleId :

VU1019WBL01

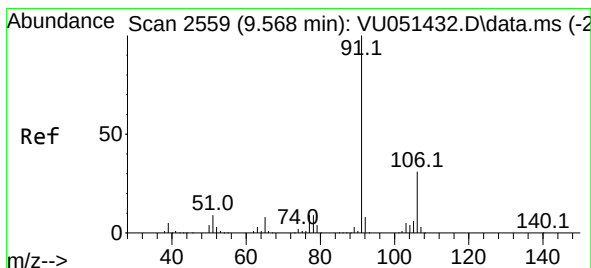
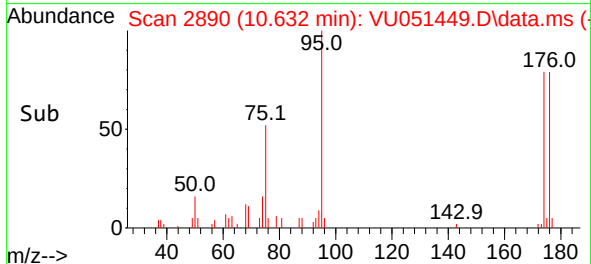
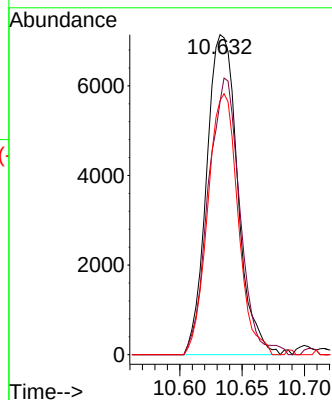
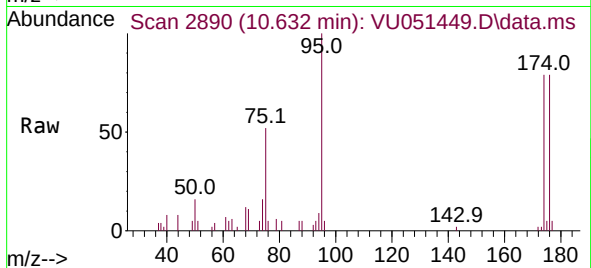
Tgt Ion: 95 Resp: 12386

Ion Ratio Lower Upper

95 100

174 87.6 63.0 94.6

176 79.3 59.8 89.6



#63

Ethyl Benzene

Concen: 0.585 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. 0.129 min

Lab File: VU051449.D

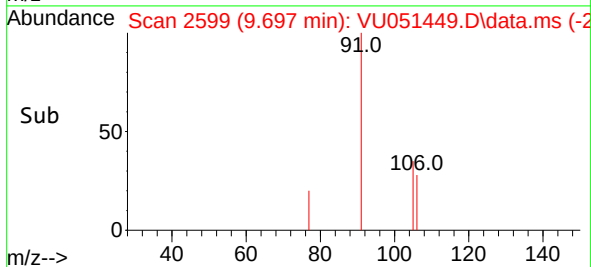
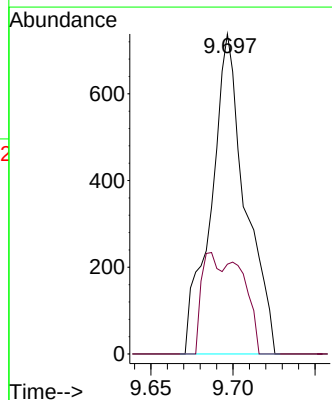
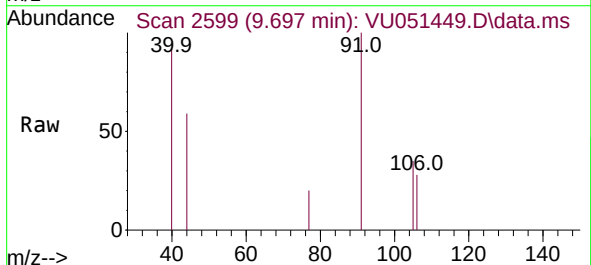
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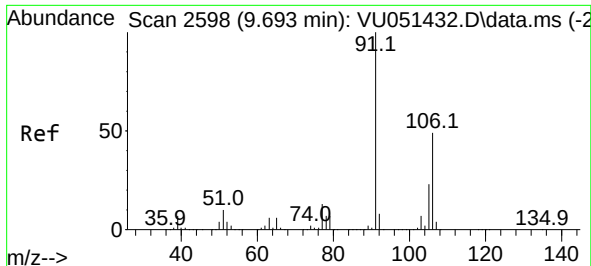
Tgt Ion: 91 Resp: 1068

Ion Ratio Lower Upper

91 100

106 28.0 24.9 37.3

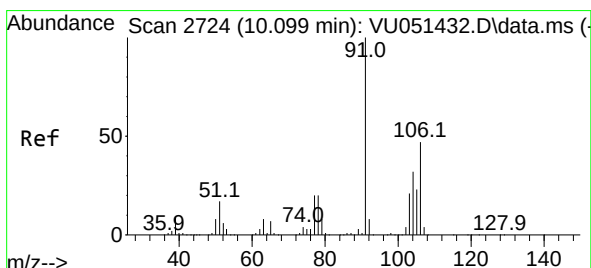
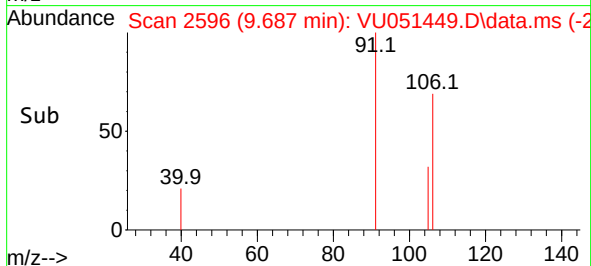
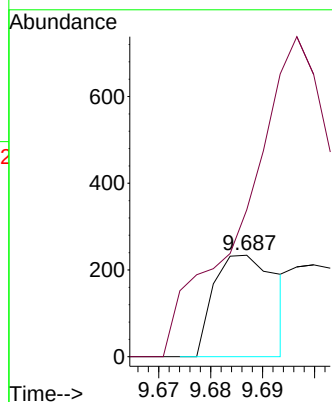
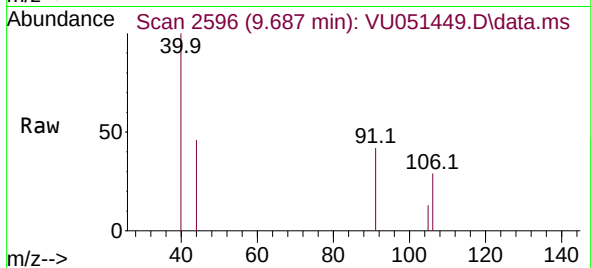




#64
m/p-Xylenes
Concen: 1.048 ug/l
RT: 9.687 min Scan# 2596
Delta R.T. -0.006 min
Lab File: VU051449.D
Acq: 19 Oct 2022 10:44

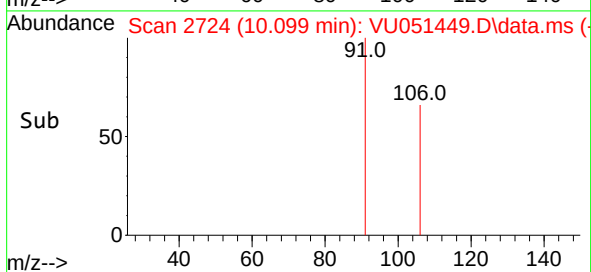
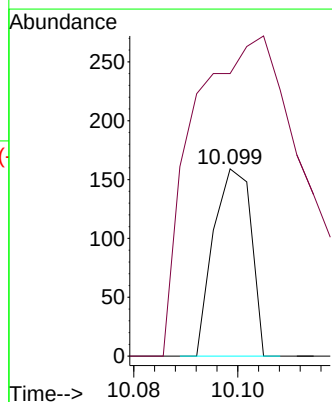
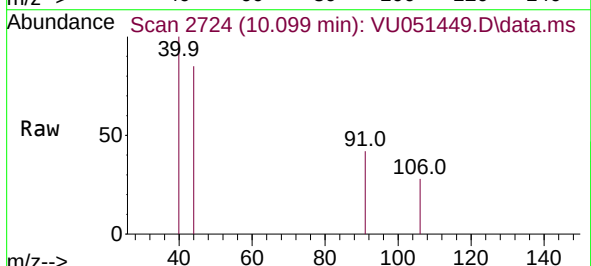
Instrument :
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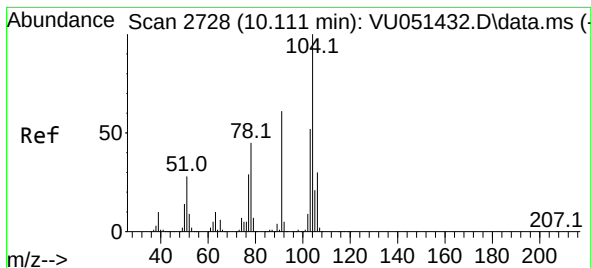
Tgt Ion:106 Resp: 197
Ion Ratio Lower Upper
106 100
91 542.1 163.2 244.8#



#65
o-Xylene
Concen: 0.483 ug/l
RT: 10.099 min Scan# 2724
Delta R.T. -0.001 min
Lab File: VU051449.D
Acq: 19 Oct 2022 10:44

Tgt Ion:106 Resp: 80
Ion Ratio Lower Upper
106 100
91 490.0 107.1 321.3#





#66

Styrene

Concen: 0.547 ug/l

RT: 10.118 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU051449.D

Acq: 19 Oct 2022 10:44

Instrument :

MSVOA_U

ClientSampleId :

VU1019WBL01

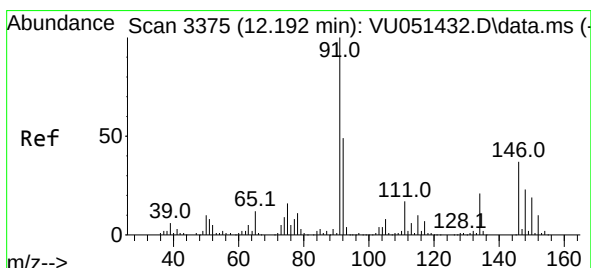
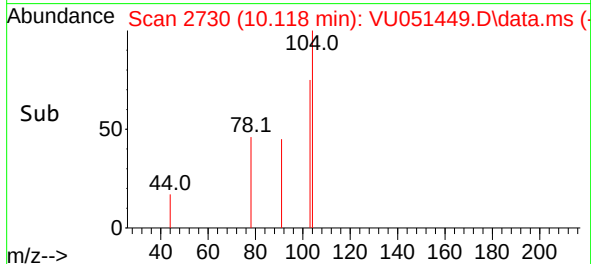
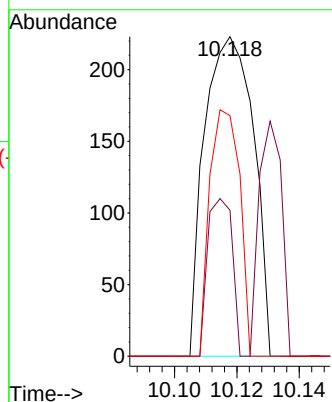
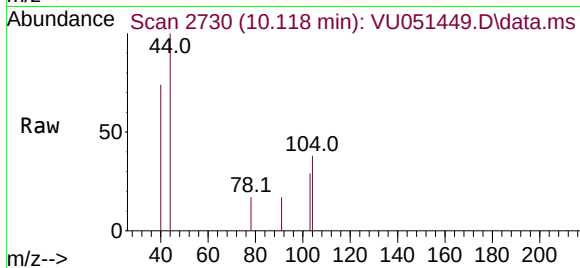
Tgt Ion:104 Resp: 243

Ion Ratio Lower Upper

104 100

78 24.7 39.7 59.5#

103 47.3 44.4 66.6



#68

1,2-Dichlorobenzene-d4

Concen: 0.781 ug/l

RT: 12.192 min Scan# 3375

Delta R.T. -0.000 min

Lab File: VU051449.D

Acq: 19 Oct 2022 10:44

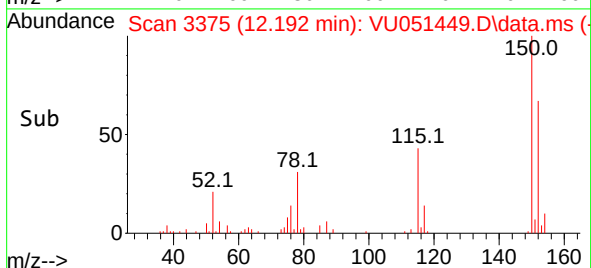
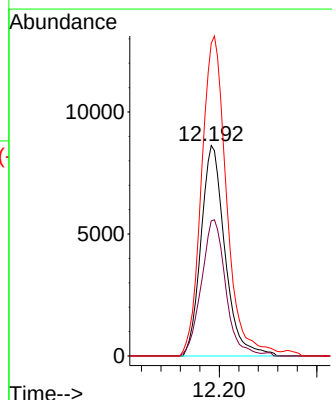
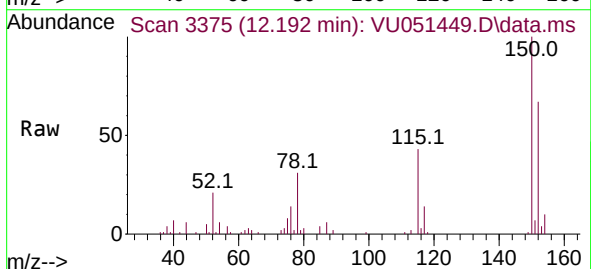
Tgt Ion:152 Resp: 14741

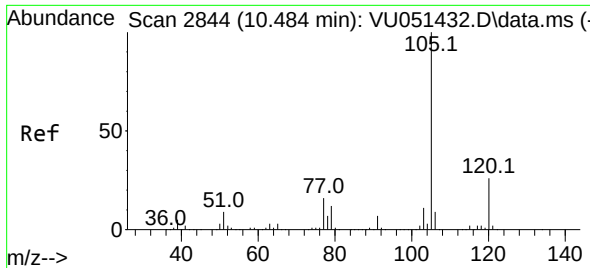
Ion Ratio Lower Upper

152 100

115 65.4 0.0 333.0

150 159.0 0.0 662.0

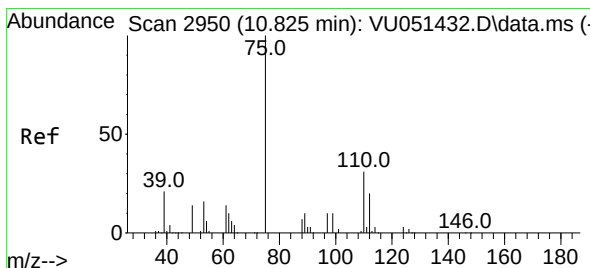
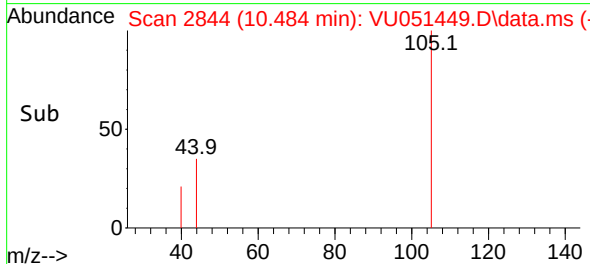
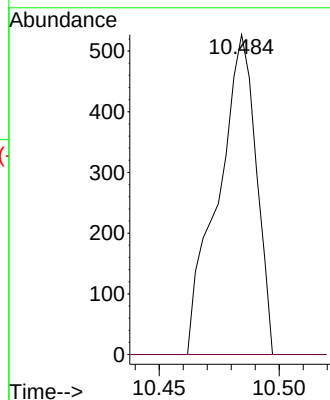
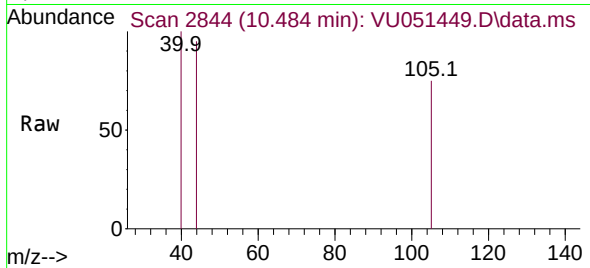




#69
Isopropylbenzene
Concen: 0.569 ug/l
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU051449.D
Acq: 19 Oct 2022 10:44

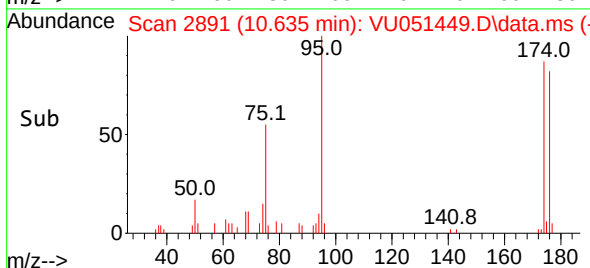
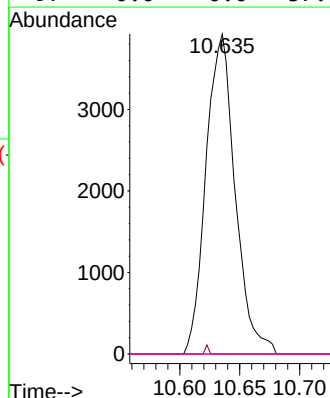
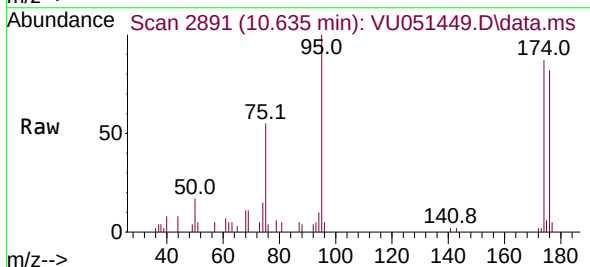
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBL01

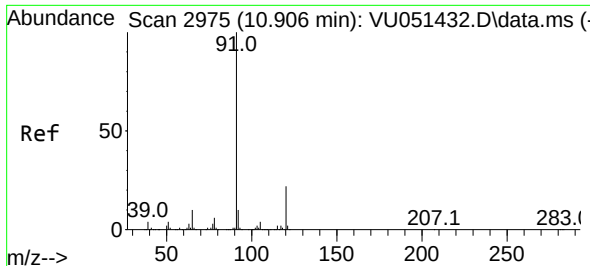
Tgt Ion:105 Resp: 582
Ion Ratio Lower Upper
105 100
120 0.0 13.0 39.0#



#71
1,2,3-Trichloropropane
Concen: 0.513 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU051449.D
Acq: 19 Oct 2022 10:44

Tgt Ion: 75 Resp: 6639
Ion Ratio Lower Upper
75 100
77 0.3 0.0 111.0
110 0.0 0.0 70.2
97 0.0 0.0 37.4

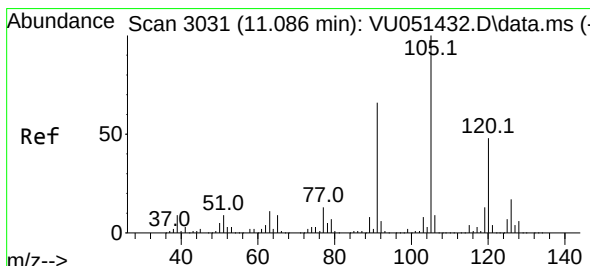
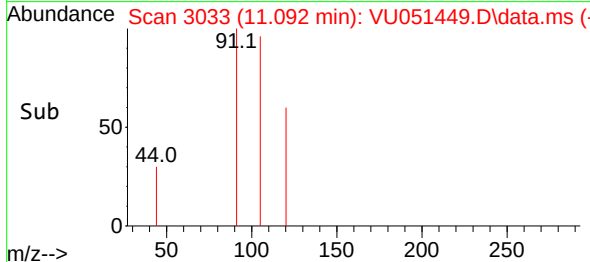
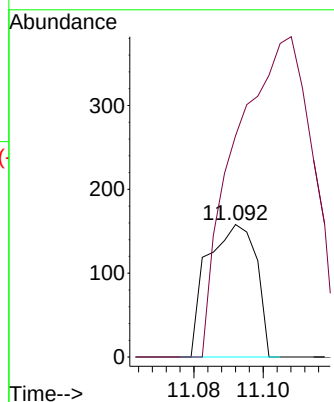
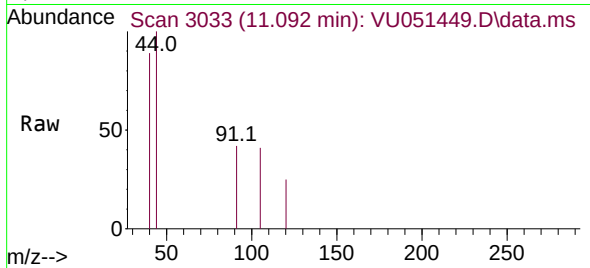




#73
n-propylbenzene
Concen: 0.590 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.186 min
Lab File: VU051449.D
Acq: 19 Oct 2022 10:44

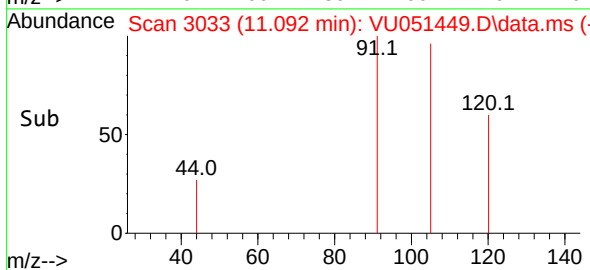
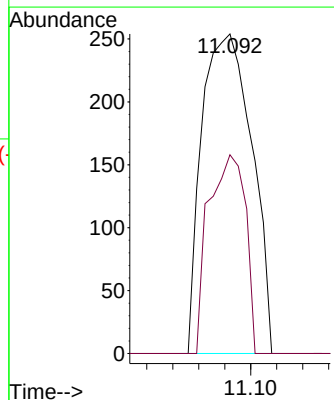
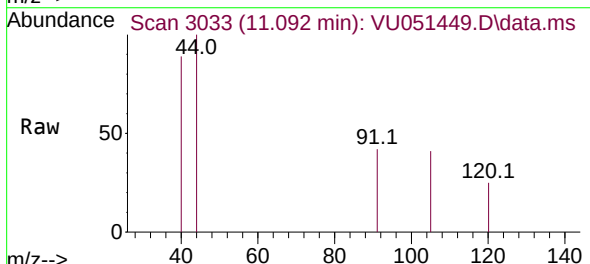
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBL01

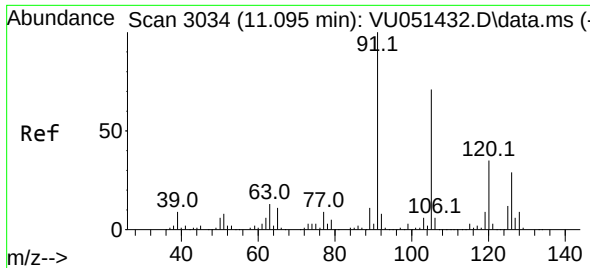
Tgt Ion:120 Resp: 155
Ion Ratio Lower Upper
120 100
91 379.4 362.3 543.5



#75
1,3,5-Trimethylbenzene
Concen: 0.539 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.006 min
Lab File: VU051449.D
Acq: 19 Oct 2022 10:44

Tgt Ion:105 Resp: 339
Ion Ratio Lower Upper
105 100
120 45.7 38.2 57.4

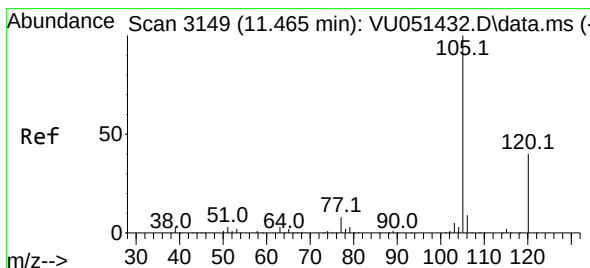
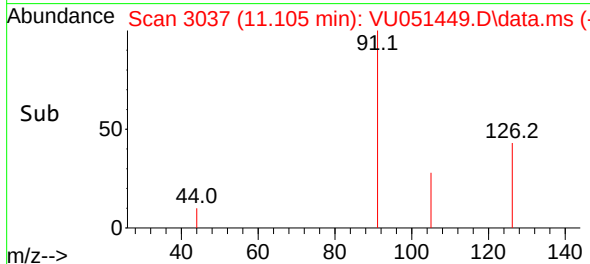
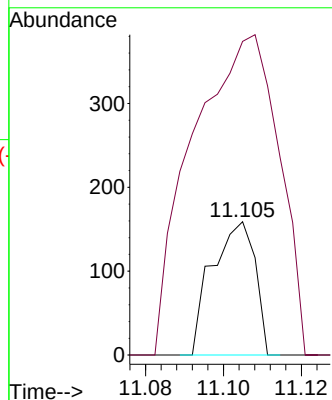
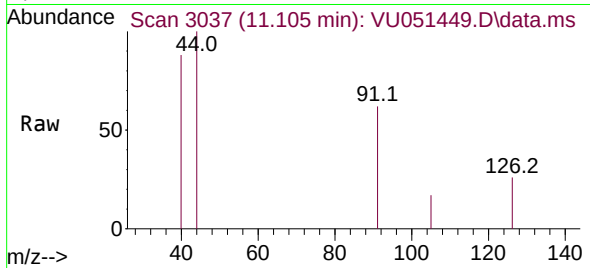




#76
4-Chlorotoluene
Concen: 0.391 ug/l
RT: 11.105 min Scan# 3034
Delta R.T. 0.010 min
Lab File: VU051449.D
Acq: 19 Oct 2022 10:44

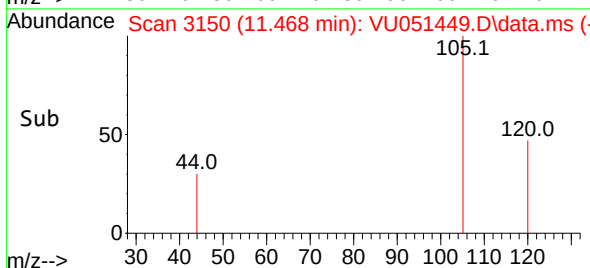
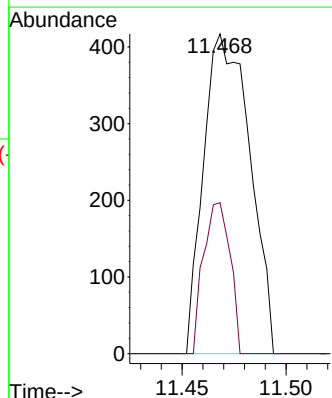
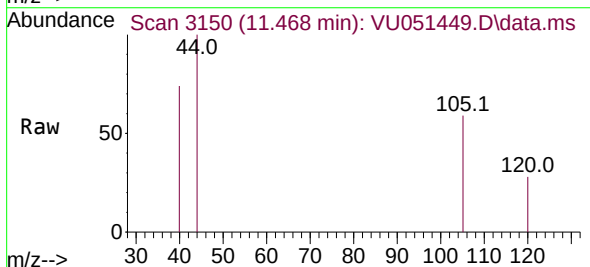
Instrument :
MSVOA_U
ClientSampleId :
VU1019WBL01

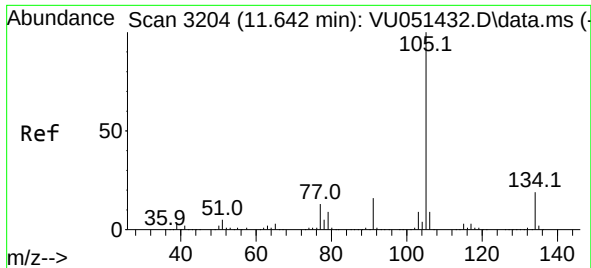
Tgt Ion:126 Resp: 122
Ion Ratio Lower Upper
126 100
91 482.0 0.0 717.6



#78
1,2,4-Trimethylbenzene
Concen: 0.566 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU051449.D
Acq: 19 Oct 2022 10:44

Tgt Ion:105 Resp: 644
Ion Ratio Lower Upper
105 100
120 27.2 22.1 66.3

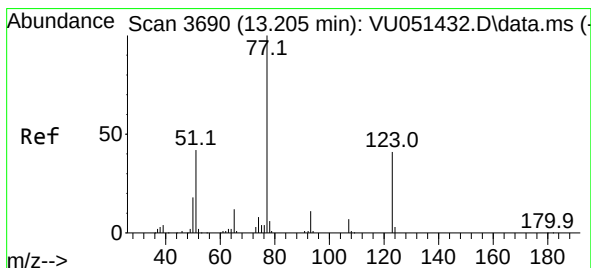
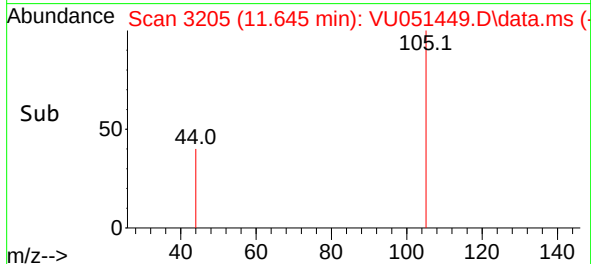
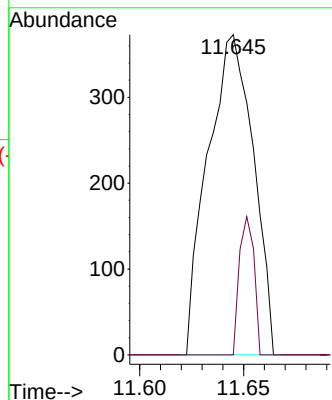
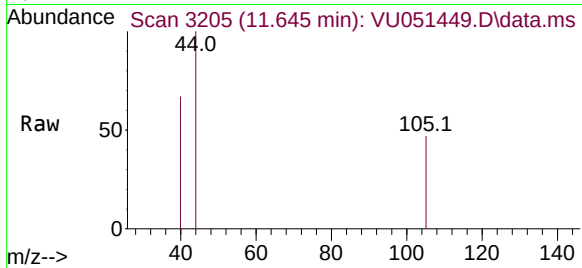




#79
 sec-Butylbenzene
 Concen: 0.510 ug/l
 RT: 11.645 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU051449.D
 Acq: 19 Oct 2022 10:44

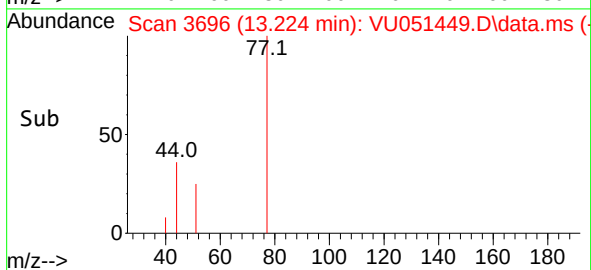
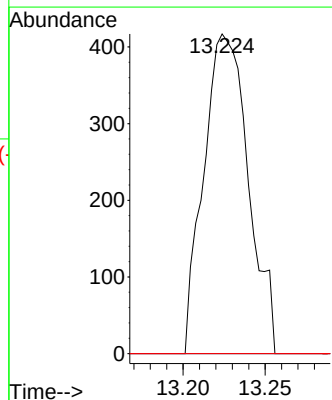
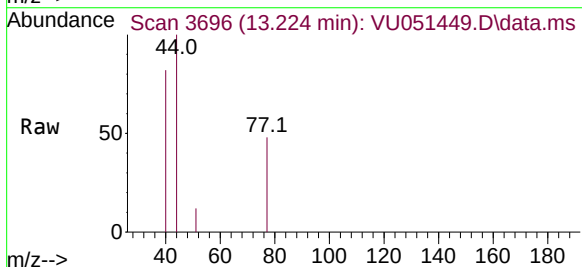
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1019WBL01

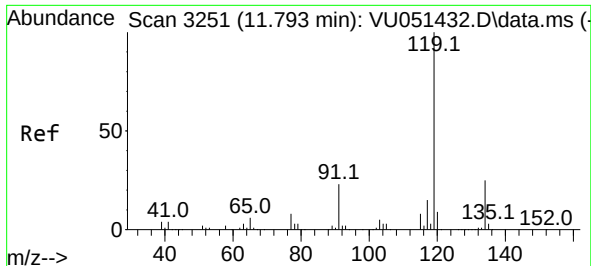
Tgt Ion:105 Resp: 568
 Ion Ratio Lower Upper
 105 100
 134 13.9 15.2 22.8#



#80
 Nitrobenzene
 Concen: 0.915 ug/l
 RT: 13.224 min Scan# 3696
 Delta R.T. 0.019 min
 Lab File: VU051449.D
 Acq: 19 Oct 2022 10:44

Tgt Ion: 77 Resp: 789
 Ion Ratio Lower Upper
 77 100
 123 0.0 17.5 62.1#
 65 0.0 11.1 14.1#

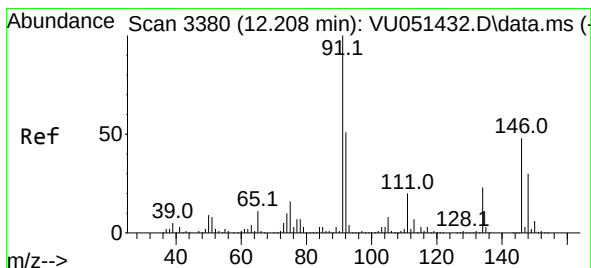
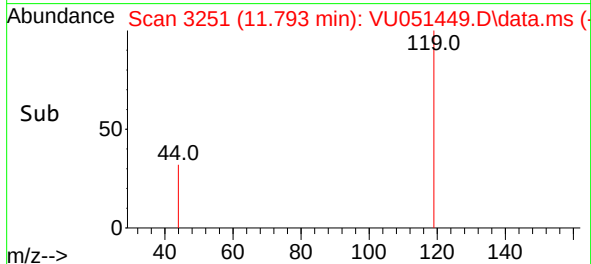
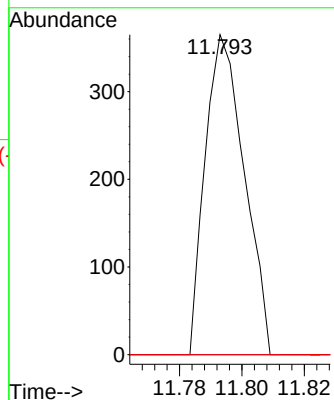
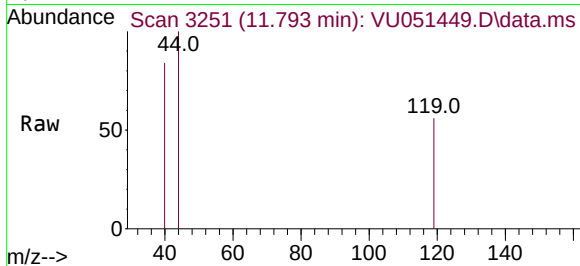




#81
p-Isopropyltoluene
Concen: 0.589 ug/l
RT: 11.793 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU051449.D
Acq: 19 Oct 2022 10:44

Instrument :
MSVOA_U
ClientSampleId :
VU1019WBL01

Tgt Ion:119 Resp: 318
Ion Ratio Lower Upper
119 100
134 24.8 20.3 30.5
91 0.0 18.6 27.8#



#84
n-Butylbenzene
Concen: 0.596 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU051449.D
Acq: 19 Oct 2022 10:44

Tgt Ion: 91 Resp: 1038
Ion Ratio Lower Upper
91 100
92 33.6 40.6 61.0#
134 19.9 18.3 27.5

