

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091622\
 Data File : VU050726.D
 Acq On : 16 Sep 2022 15:40
 Operator : JC/MD
 Sample : N4568-01DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 01:08:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Aug 25 14:01:59 2022
 Response via : Initial Calibration

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

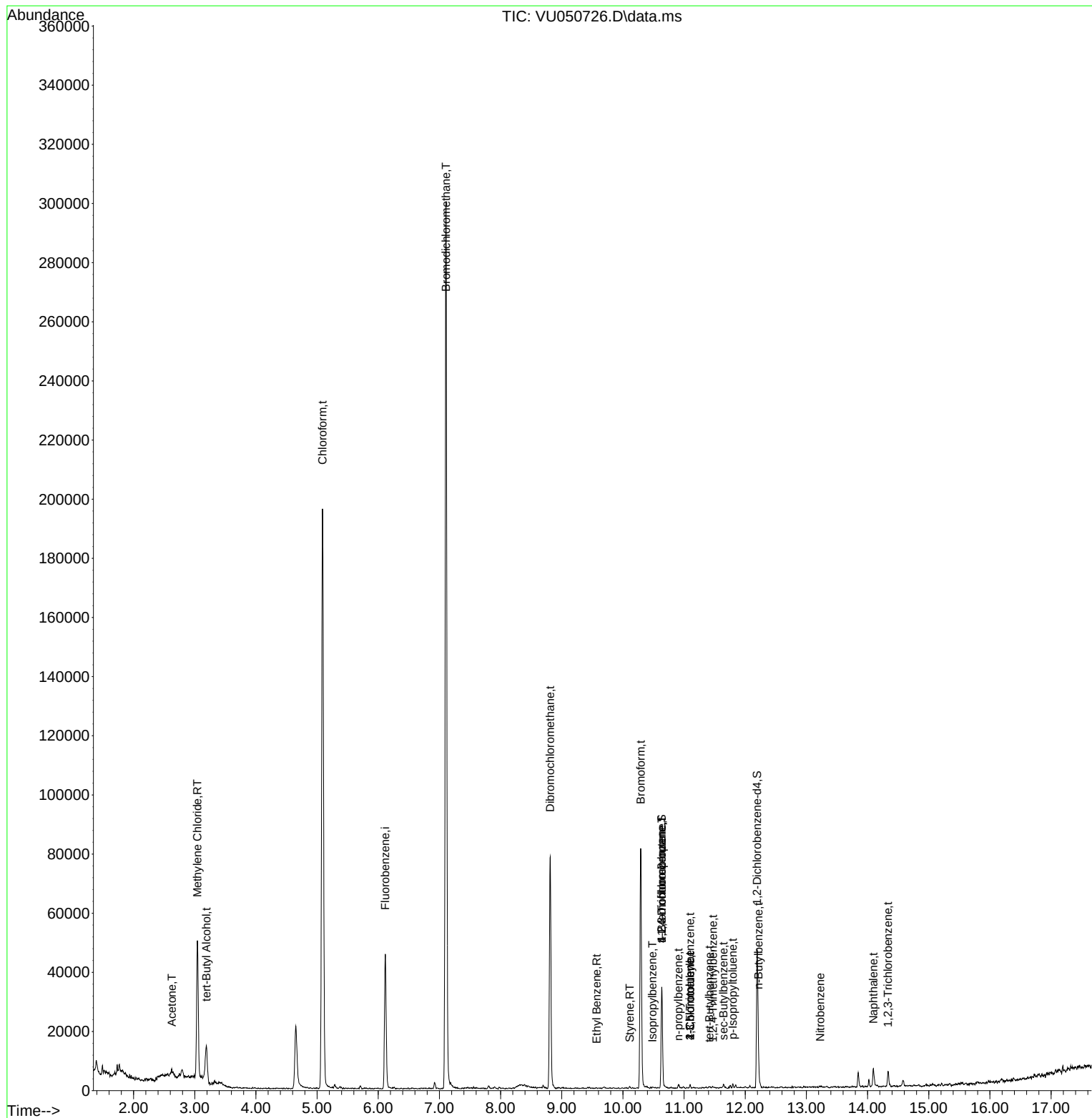
Internal Standards						
1) Fluorobenzene	6.115	96	42552	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	11532	0.796	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	13247	0.773	ug/l	0.00
Spiked Amount 1.000			Recovery	=	77.000%	
Target Compounds						
					Qvalue	
13) Acetone	2.626	43	1826	0.695	ug/l	92
15) Methylene Chloride	3.041	84	21607	1.274	ug/l	93
24) tert-Butyl Alcohol	3.189	59	7081	5.197	ug/l #	73
27) Chloroform	5.089	83	178208	6.817	ug/l	96
44) Bromodichloromethane	7.108	83	196637	10.964	ug/l	98
46) t-1,4-Dichloro-2-butene	10.636	75	6088	1.825	ug/l #	21
55) Dibromochloromethane	8.812	129	42178	3.432	ug/l	98
63) Ethyl Benzene	9.571	91	241	0.574	ug/l #	44
66) Styrene	10.111	104	89	0.603	ug/l #	25
67) Bromoform	10.291	173	37487	5.372	ug/l	98
69) Isopropylbenzene	10.481	105	411	0.576	ug/l #	50
71) 1,2,3-Trichloropropane	10.636	75	6088	0.527	ug/l #	37
73) n-propylbenzene	10.906	120	122	0.599	ug/l	80
74) 2-Chlorotoluene	11.099	126	49	0.393	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.099	105	341	0.530	ug/l	92
76) 4-Chlorotoluene	11.099	126	49	0.404	ug/l #	1
77) tert-Butylbenzene	11.414	119	351	0.501	ug/l #	81
78) 1,2,4-Trimethylbenzene	11.472	105	459	0.573	ug/l	83
79) sec-Butylbenzene	11.642	105	1241	0.566	ug/l	92
80) Nitrobenzene	13.227	77	390	0.468	ug/l #	66
81) p-Isopropyltoluene	11.796	119	864	0.619	ug/l	93
84) n-Butylbenzene	12.214	91	2700	0.636	ug/l #	94
89) Naphthalene	14.095	128	6729	1.108	ug/l	97
90) 1,2,3-Trichlorobenzene	14.333	180	2156	0.597	ug/l #	90

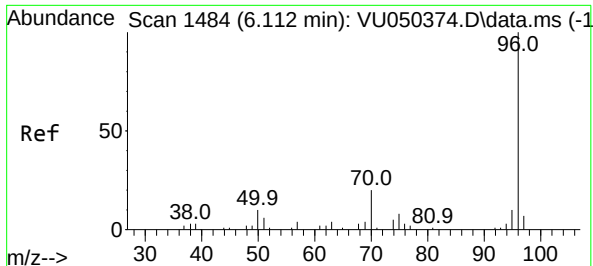
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_U
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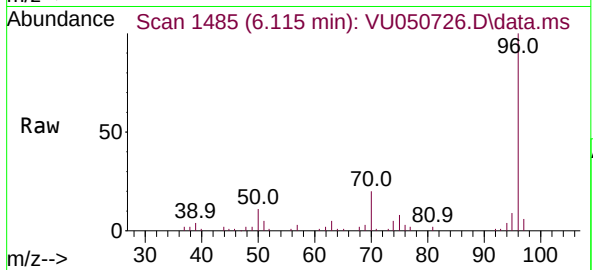
Quant Time: Sep 17 01:08:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Aug 25 14:01:59 2022
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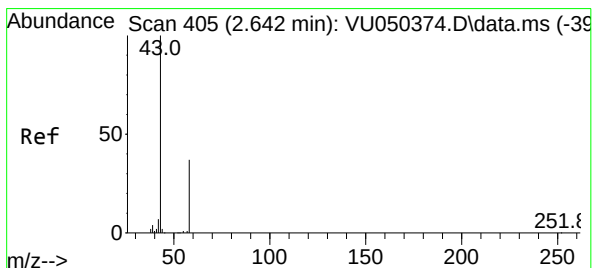
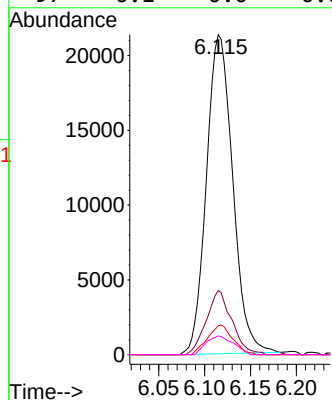
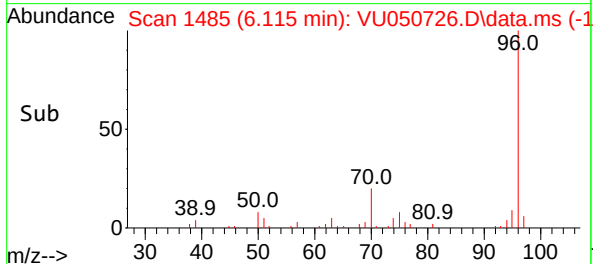


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.115 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

Instrument :
MSVOA_U
ClientSampleId :

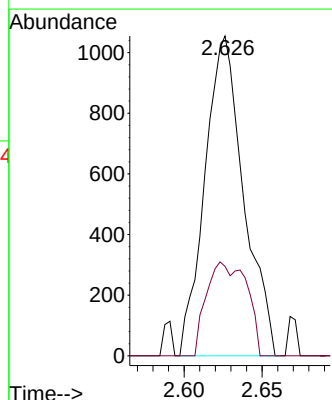
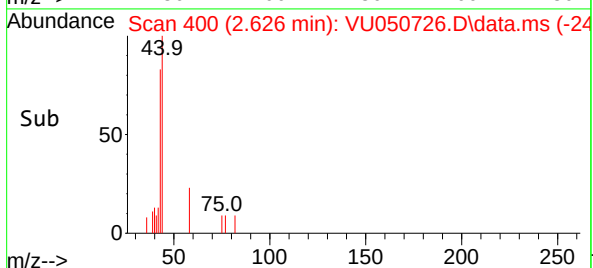
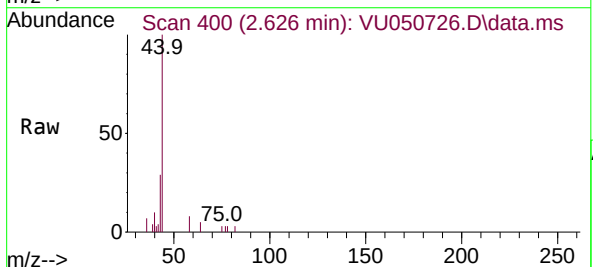


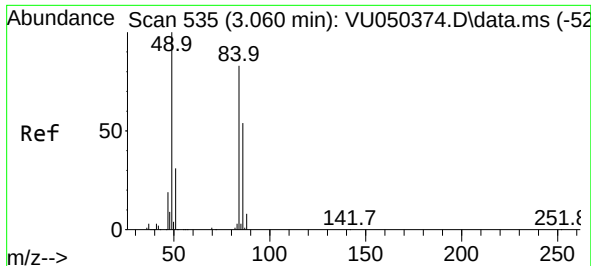
Tgt Ion: 96 Resp: 42552
Ion Ratio Lower Upper
96 100
70 19.4 16.7 25.1
95 8.9 7.4 11.0
97 6.1 0.0 0.0#



#13
Acetone
Concen: 0.695 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

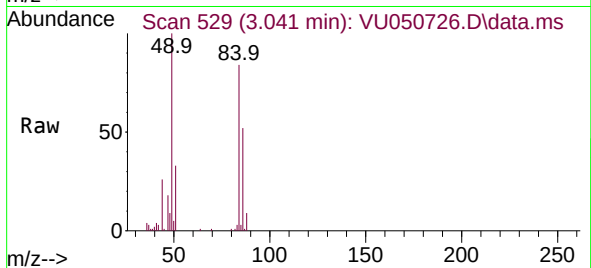
Tgt Ion: 43 Resp: 1826
Ion Ratio Lower Upper
43 100
58 28.0 26.2 39.2





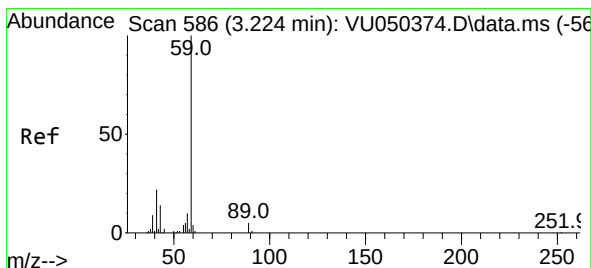
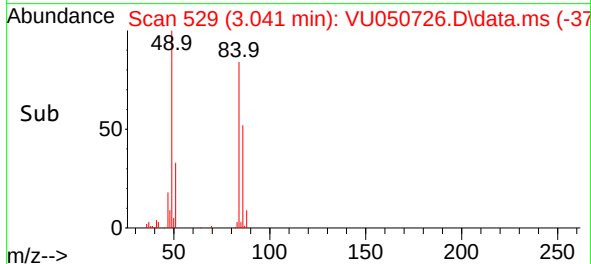
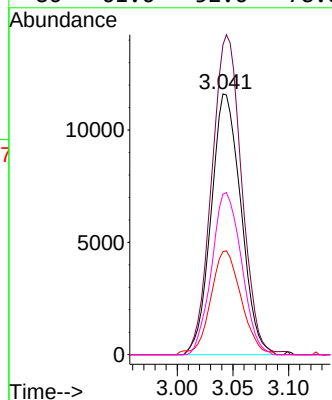
#15
Methylene Chloride
Concen: 1.274 ug/l
RT: 3.041 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 21607

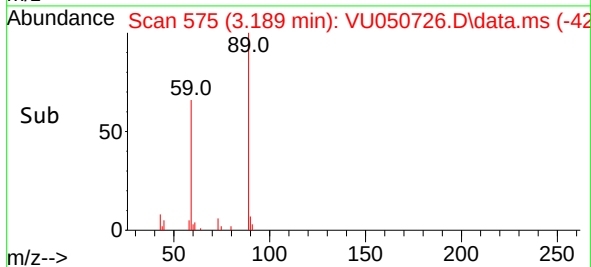
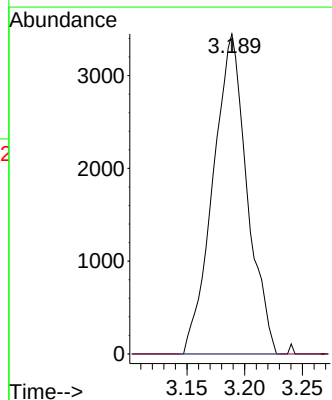
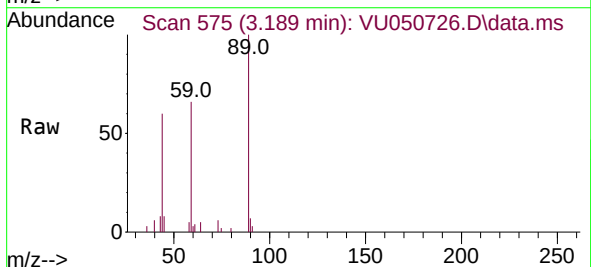
Ion	Ratio	Lower	Upper
84	100		
49	118.8	104.6	157.0
51	39.5	0.0	81.4
86	61.6	52.6	78.8

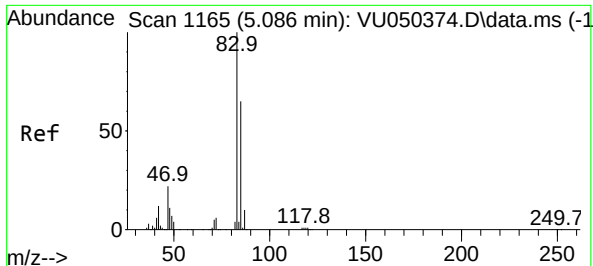


#24
tert-Butyl Alcohol
Concen: 5.197 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.006 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

Tgt Ion: 59 Resp: 7081

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#





#27

Chloroform

Concen: 6.817 ug/l

RT: 5.089 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050726.D

Acq: 16 Sep 2022 15:40

Instrument :

MSVOA_U

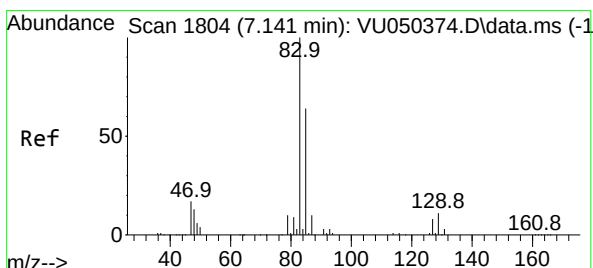
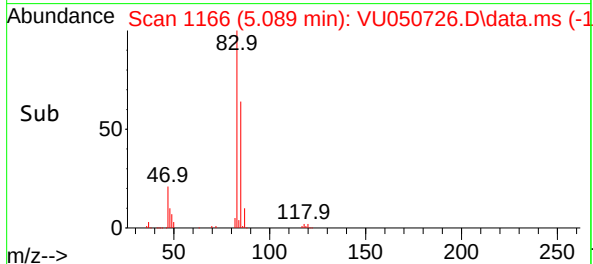
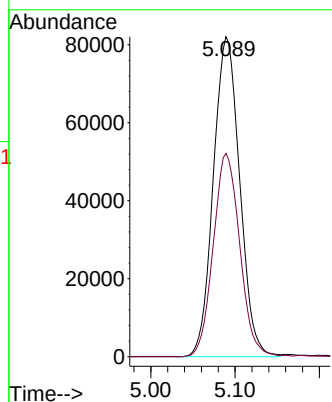
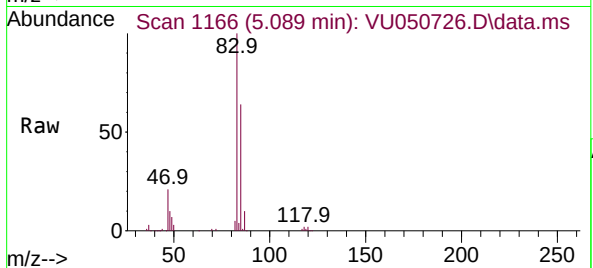
ClientSampleId :

Tgt Ion: 83 Resp: 178208

Ion Ratio Lower Upper

83 100

85 63.6 0.0 133.6



#44

Bromodichloromethane

Concen: 10.964 ug/l

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU050726.D

Acq: 16 Sep 2022 15:40

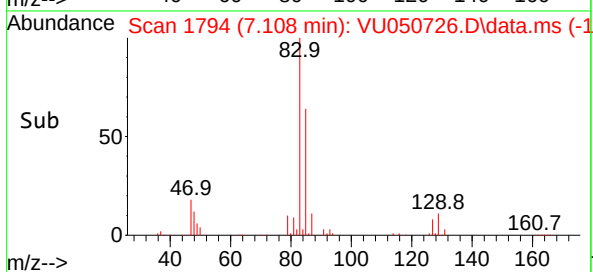
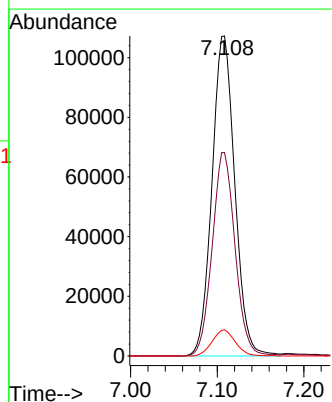
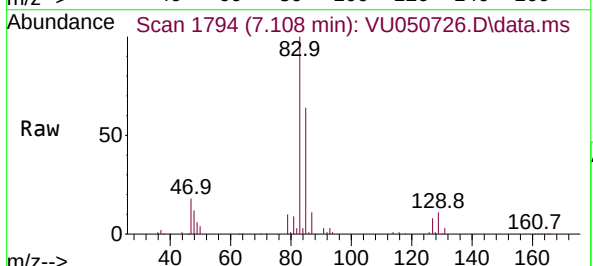
Tgt Ion: 83 Resp: 196637

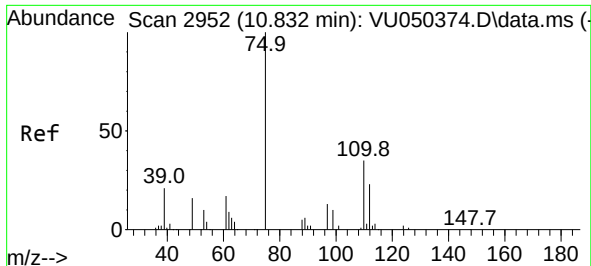
Ion Ratio Lower Upper

83 100

85 63.5 49.4 74.0

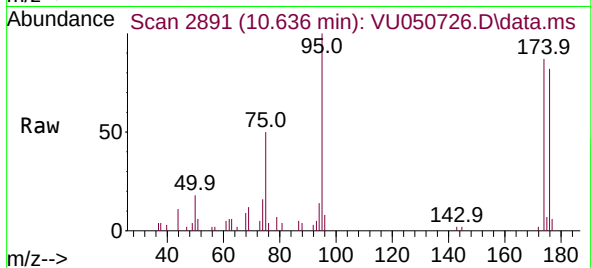
127 8.2 6.6 10.0





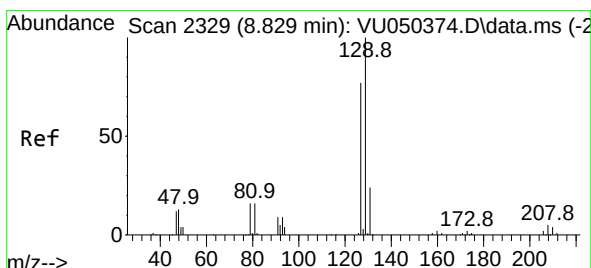
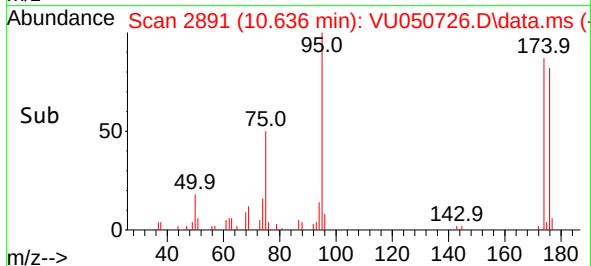
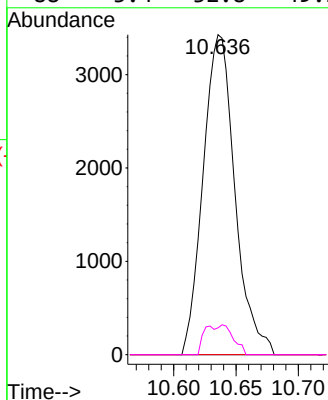
#46
t-1,4-Dichloro-2-butene
Concen: 1.825 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.196 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

Instrument : MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 6088

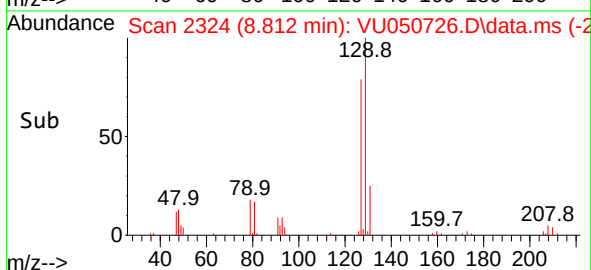
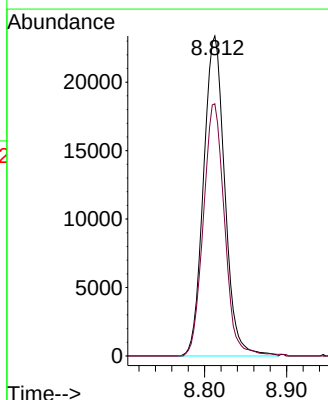
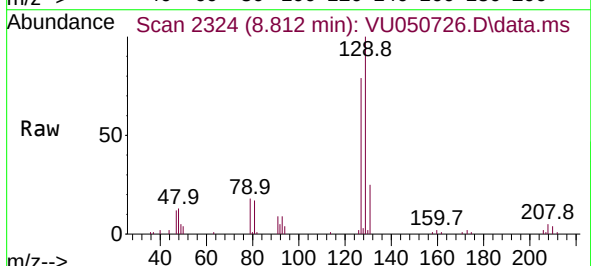
Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.4	96.6#
89	0.0	44.2	66.2#
88	3.4	32.8	49.2#

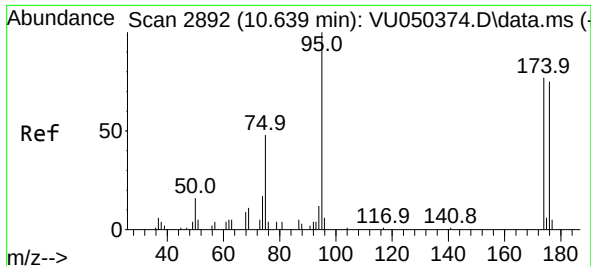


#55
Dibromochloromethane
Concen: 3.432 ug/l
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

Tgt Ion: 129 Resp: 42178

Ion	Ratio	Lower	Upper
129	100		
127	78.5	61.2	91.8





#57

4-Bromofluorobenzene

Concen: 0.796 ug/l

RT: 10.636 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU050726.D

Acq: 16 Sep 2022 15:40

Instrument :

MSVOA_U

ClientSampleId :

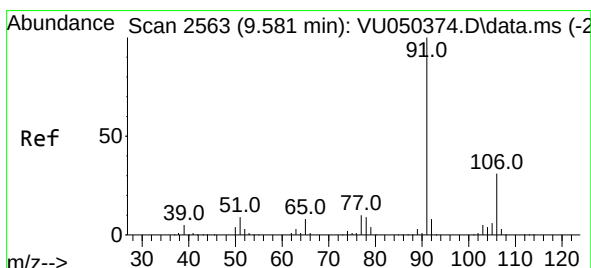
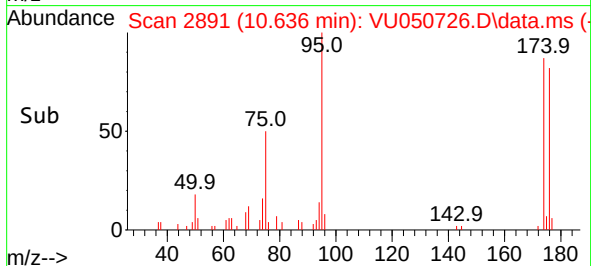
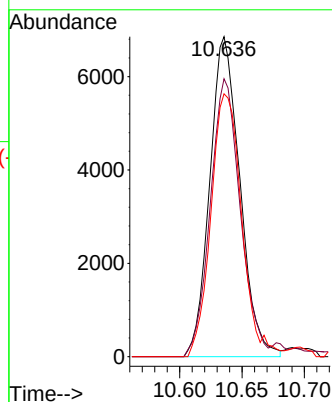
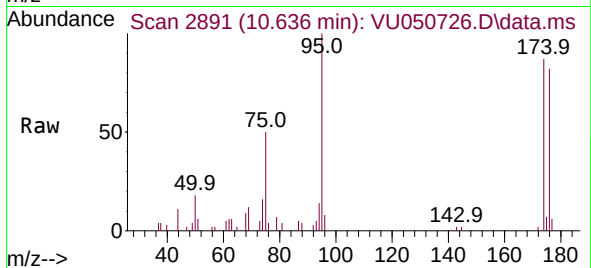
Tgt Ion: 95 Resp: 11532

Ion Ratio Lower Upper

95 100

174 86.1 62.4 93.6

176 83.8 56.2 84.2



#63

Ethyl Benzene

Concen: 0.574 ug/l

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU050726.D

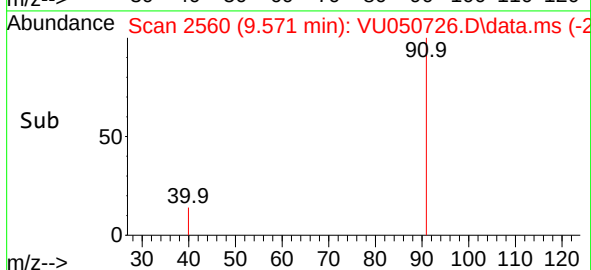
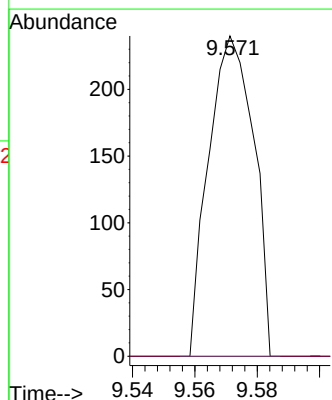
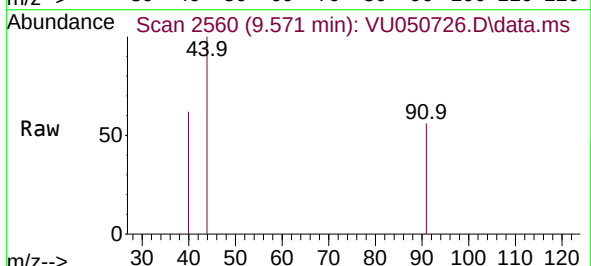
Acq: 16 Sep 2022 15:40

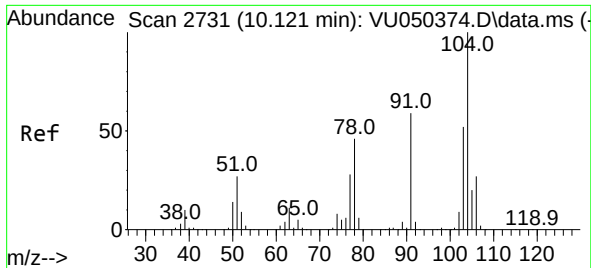
Tgt Ion: 91 Resp: 241

Ion Ratio Lower Upper

91 100

106 0.0 24.4 36.6#

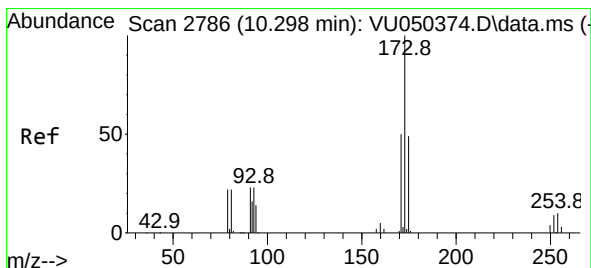
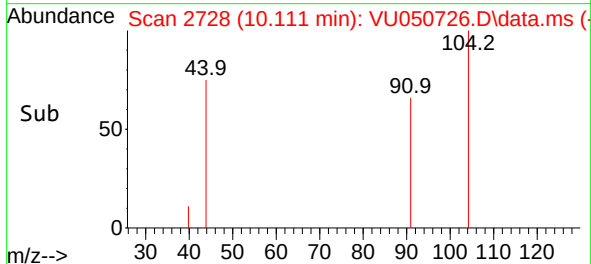
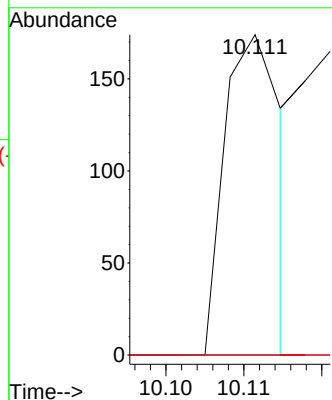
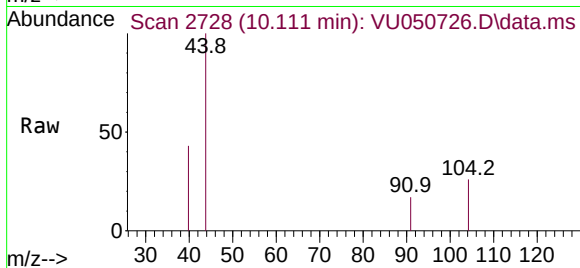




#66
Styrene
Concen: 0.603 ug/l
RT: 10.111 min Scan# 2731
Delta R.T. -0.003 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

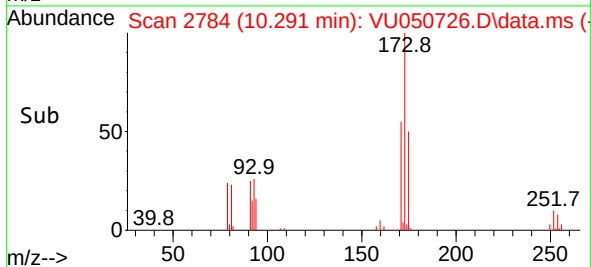
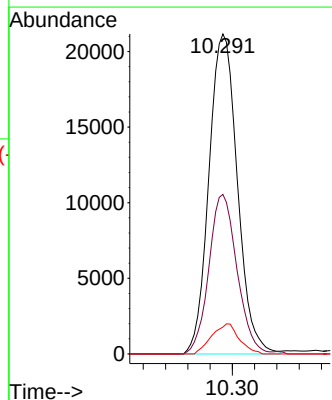
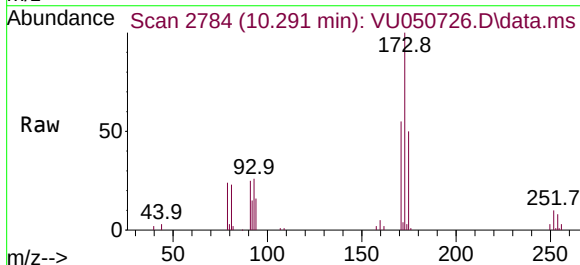
Instrument :
MSVOA_U
ClientSampleId :

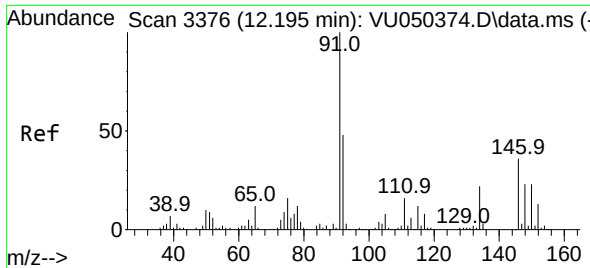
Tgt Ion:104 Resp: 89
Ion Ratio Lower Upper
104 100
78 0.0 42.1 63.1#
103 0.0 44.5 66.7#



#67
Bromoform
Concen: 5.372 ug/l
RT: 10.291 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

Tgt Ion:173 Resp: 37487
Ion Ratio Lower Upper
173 100
175 49.3 38.4 57.6
254 9.1 7.7 11.5

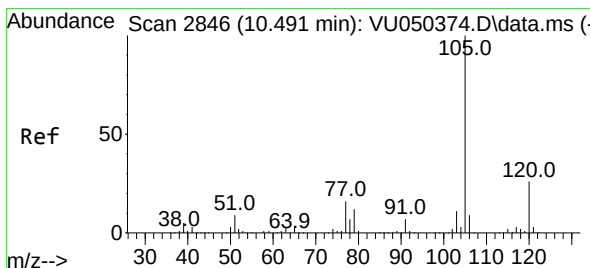
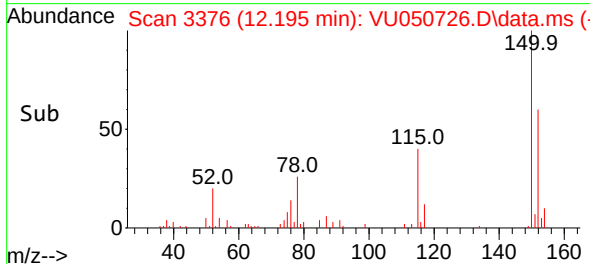
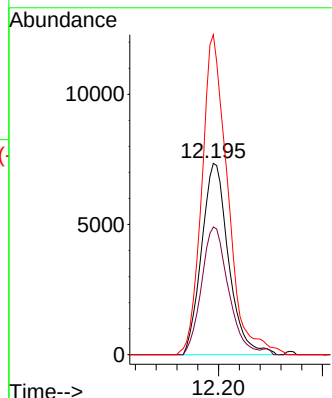
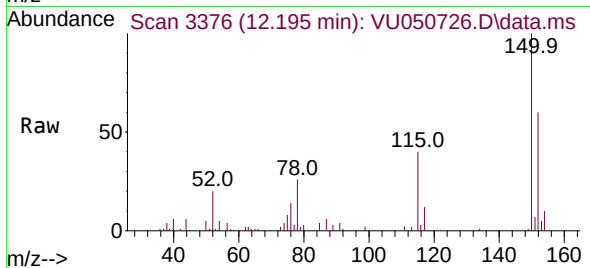




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.773 ug/l
 RT: 12.195 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU050726.D
 Acq: 16 Sep 2022 15:40

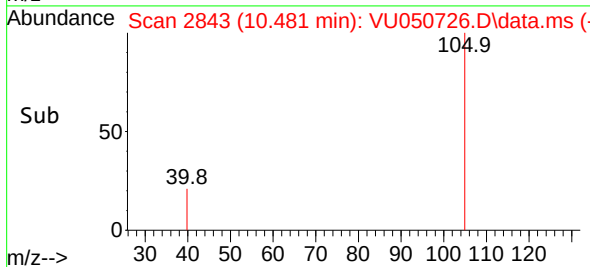
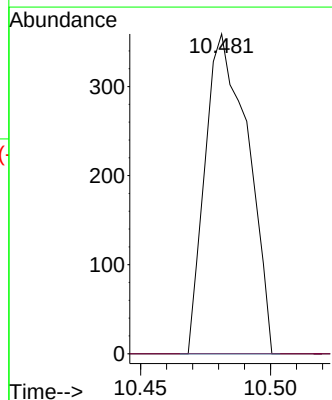
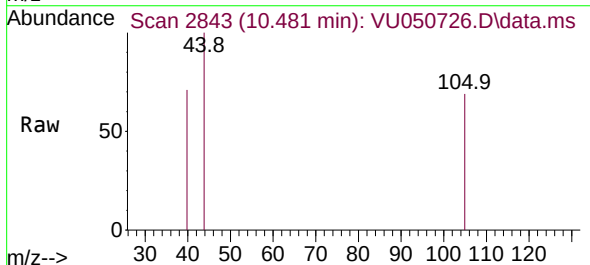
Instrument :
 MSVOA_U
 ClientSampleId :

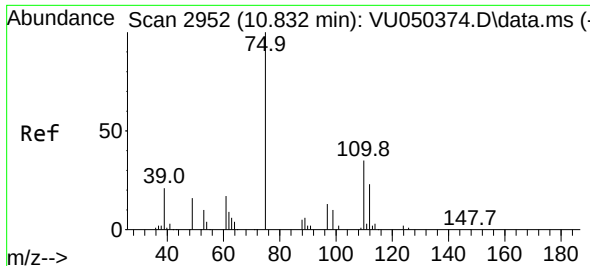
Tgt Ion:152 Resp: 13247
 Ion Ratio Lower Upper
 152 100
 115 66.5 0.0 254.6
 150 160.7 0.0 623.6



#69
 Isopropylbenzene
 Concen: 0.576 ug/l
 RT: 10.481 min Scan# 2843
 Delta R.T. -0.003 min
 Lab File: VU050726.D
 Acq: 16 Sep 2022 15:40

Tgt Ion:105 Resp: 411
 Ion Ratio Lower Upper
 105 100
 120 0.0 12.6 37.8#

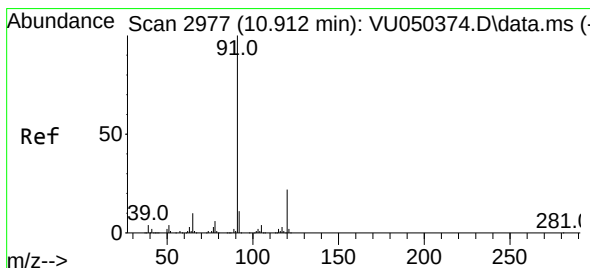
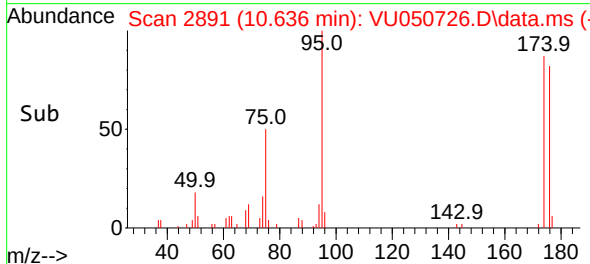
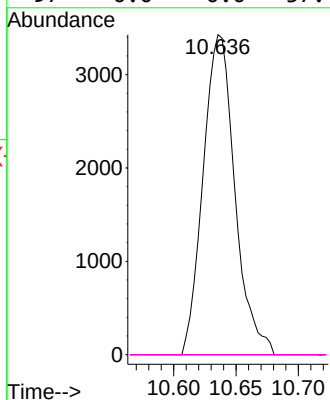
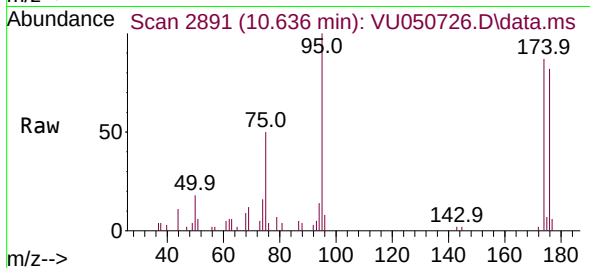




#71
1,2,3-Trichloropropane
Concen: 0.527 ug/l
RT: 10.636 min Scan# 2952
Delta R.T. -0.190 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

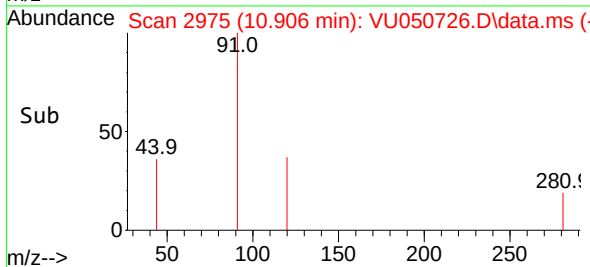
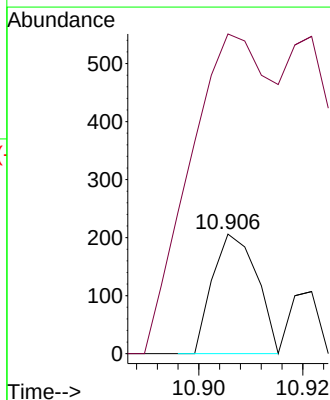
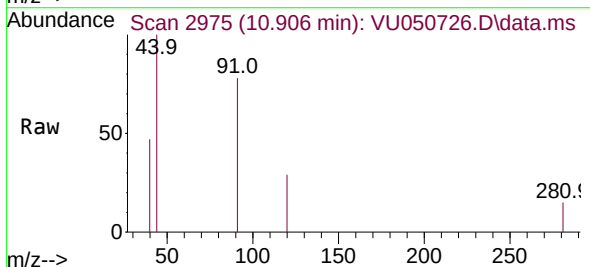
Instrument :
MSVOA_U
ClientSampleId :

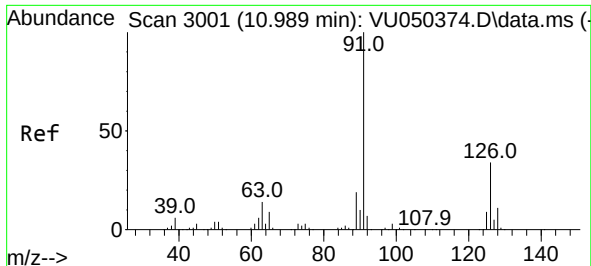
Tgt Ion:	75	Resp:	6088
Ion	Ratio	Lower	Upper
75	100		
77	3.5	0.0	112.4
110	0.0	0.0	70.6
97	0.0	0.0	37.4



#73
n-propylbenzene
Concen: 0.599 ug/l
RT: 10.906 min Scan# 2975
Delta R.T. 0.000 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

Tgt Ion:	120	Resp:	122
Ion	Ratio	Lower	Upper
120	100		
91	512.3	367.8	551.6

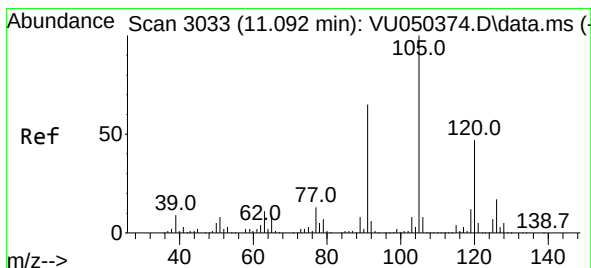
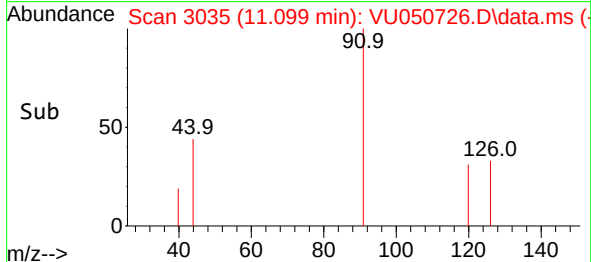
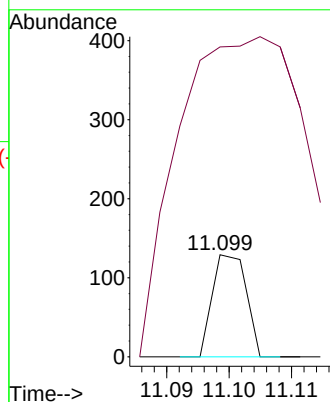
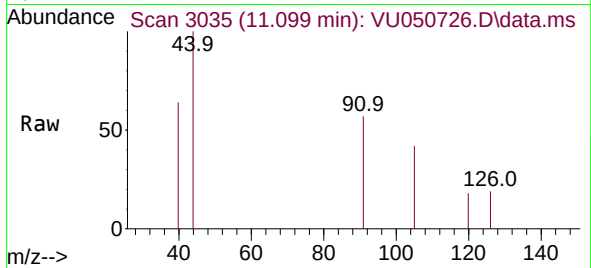




#74
2-Chlorotoluene
Concen: 0.393 ug/l
RT: 11.099 min Scan# 3001
Delta R.T. 0.113 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

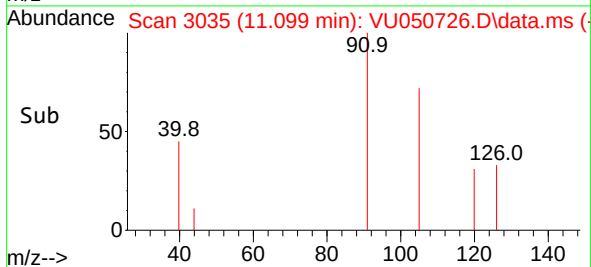
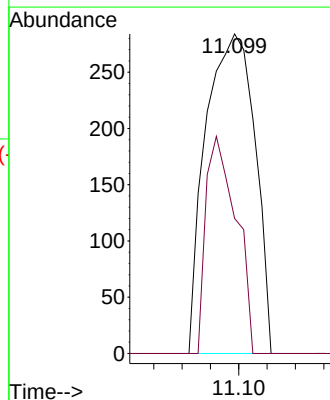
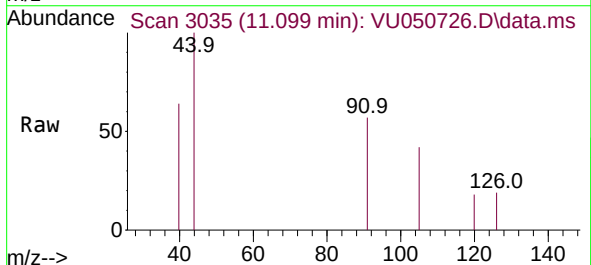
Instrument :
MSVOA_U
ClientSampleId :

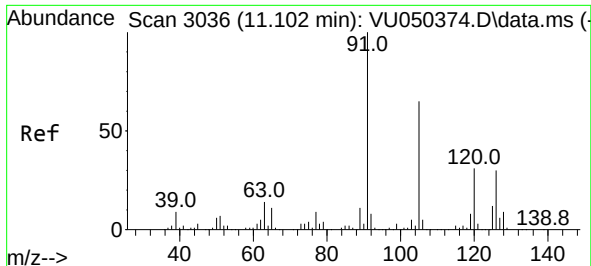
Tgt Ion:126 Resp: 49
Ion Ratio Lower Upper
126 100
91 1202.0 0.0 620.6#



#75
1,3,5-Trimethylbenzene
Concen: 0.530 ug/l
RT: 11.099 min Scan# 3035
Delta R.T. 0.010 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

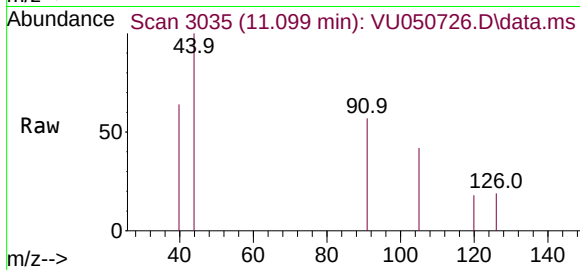
Tgt Ion:105 Resp: 341
Ion Ratio Lower Upper
105 100
120 41.9 37.6 56.4



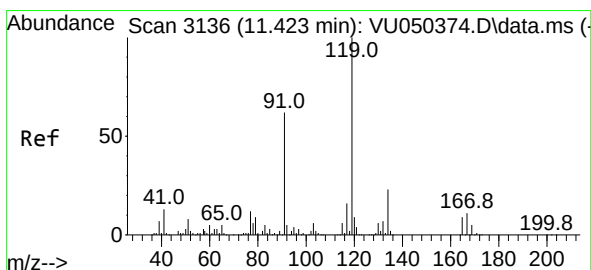
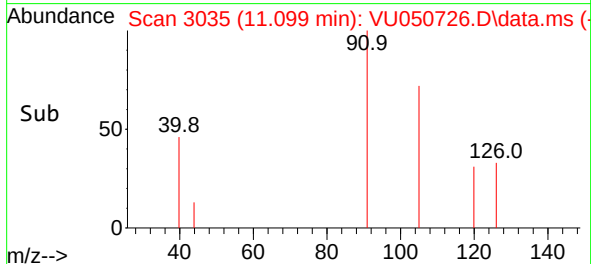
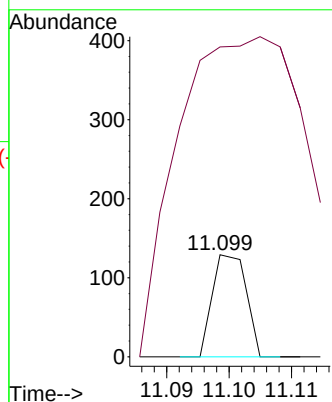


#76
4-Chlorotoluene
Concen: 0.404 ug/l
RT: 11.099 min Scan# 3036
Delta R.T. 0.000 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

Instrument :
MSVOA_U
ClientSampleId :

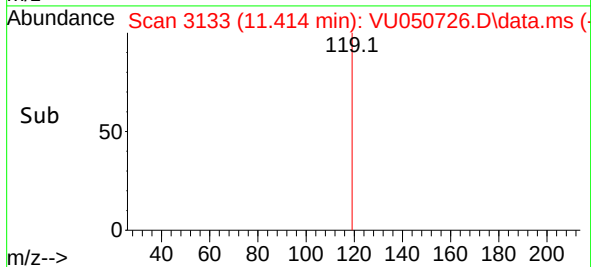
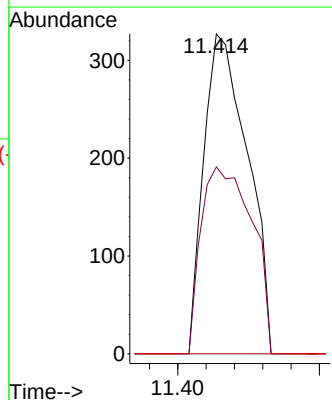
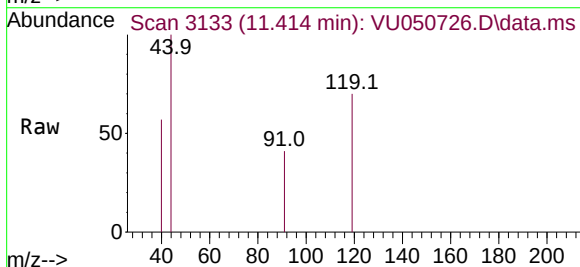


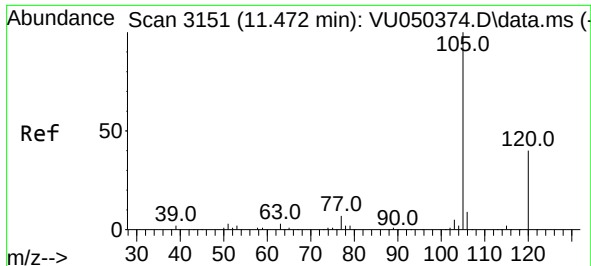
Tgt Ion:126 Resp: 49
Ion Ratio Lower Upper
126 100
91 1202.0 0.0 738.8#



#77
tert-Butylbenzene
Concen: 0.501 ug/l
RT: 11.414 min Scan# 3133
Delta R.T. -0.006 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

Tgt Ion:119 Resp: 351
Ion Ratio Lower Upper
119 100
91 68.1 30.4 91.3
134 0.0 17.8 26.6#

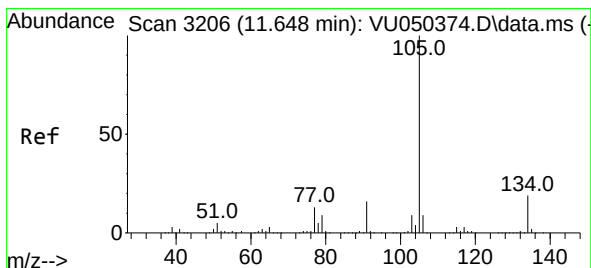
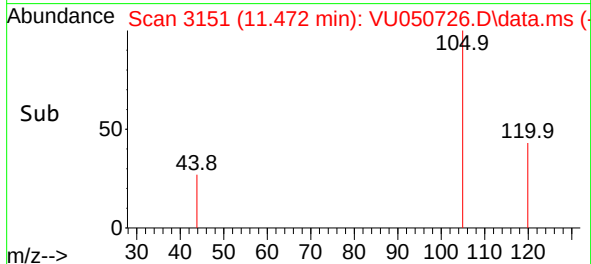
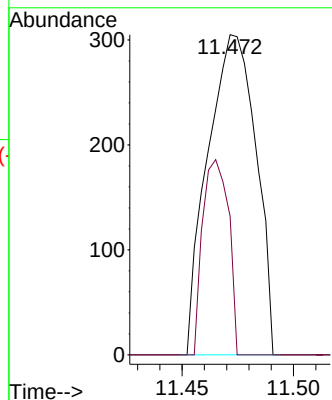
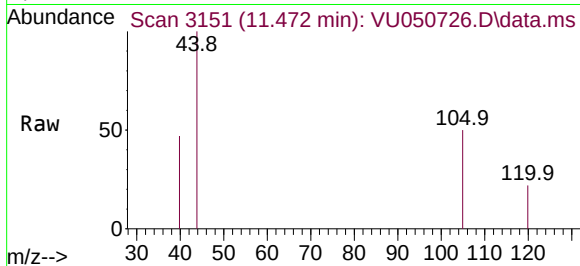




#78
1,2,4-Trimethylbenzene
Concen: 0.573 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

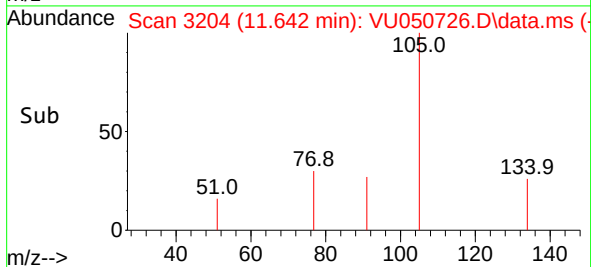
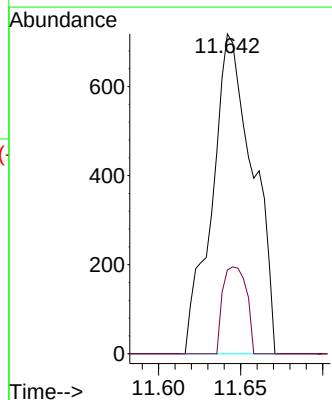
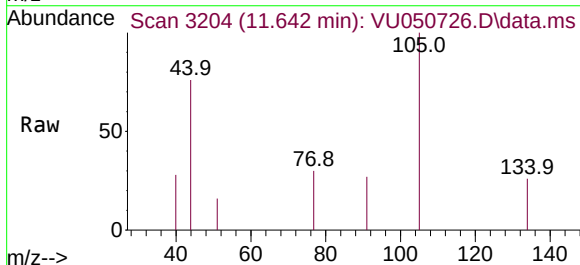
Instrument :
MSVOA_U
ClientSampleId :

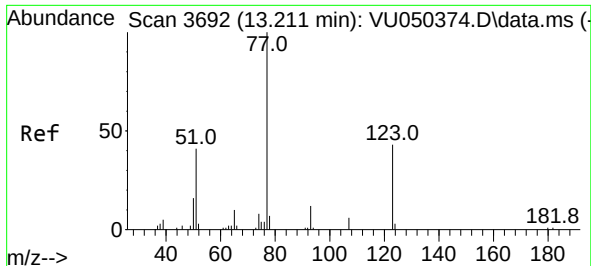
Tgt Ion:105 Resp: 459
Ion Ratio Lower Upper
105 100
120 32.7 21.6 65.0



#79
sec-Butylbenzene
Concen: 0.566 ug/l
RT: 11.642 min Scan# 3204
Delta R.T. -0.003 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

Tgt Ion:105 Resp: 1241
Ion Ratio Lower Upper
105 100
134 15.7 15.4 23.0

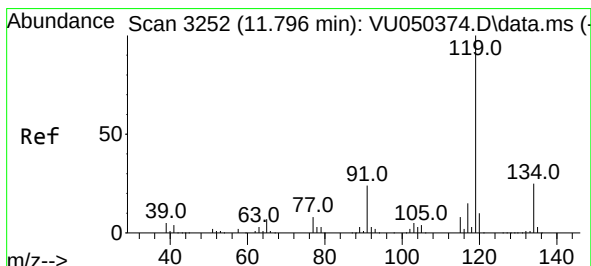
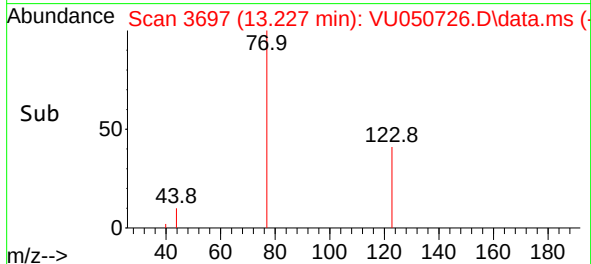
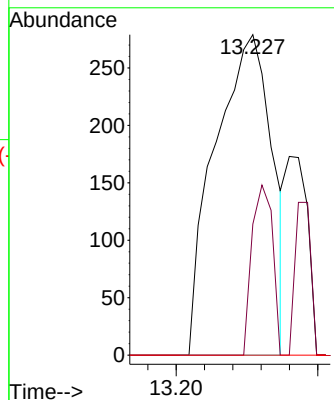
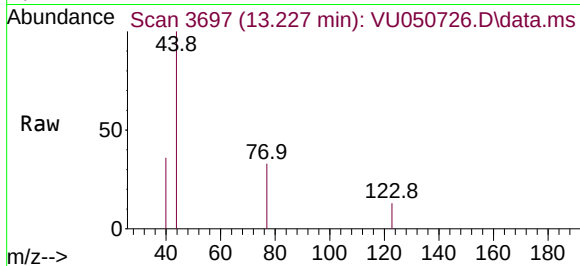




#80
Nitrobenzene
Concen: 0.468 ug/l
RT: 13.227 min Scan# 3697
Delta R.T. 0.019 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

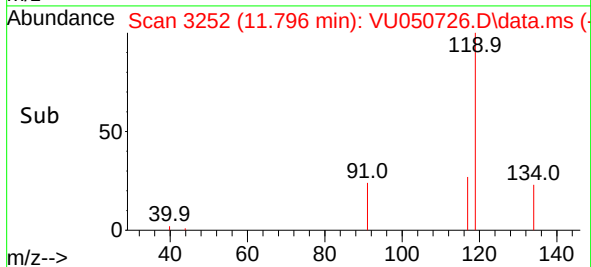
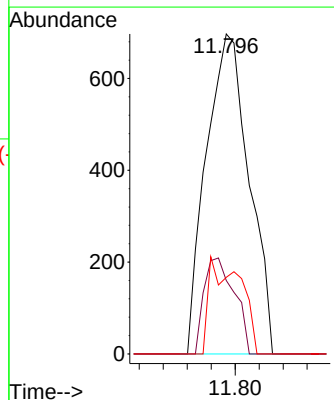
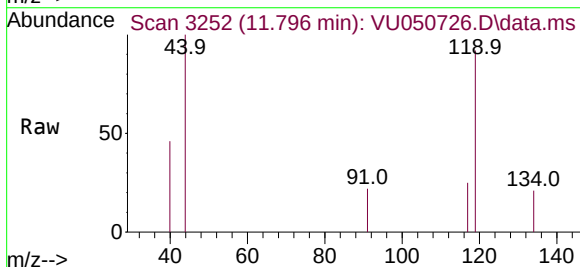
Instrument :
MSVOA_U
ClientSampleId :

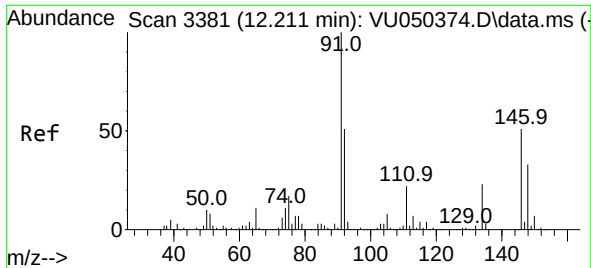
Tgt Ion: 77 Resp: 390
Ion Ratio Lower Upper
77 100
123 19.2 18.1 64.3
65 0.0 10.8 13.8#



#81
p-Isopropyltoluene
Concen: 0.619 ug/l
RT: 11.796 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

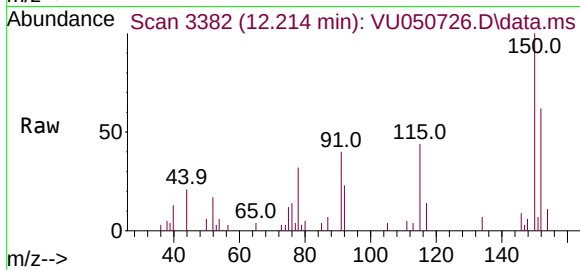
Tgt Ion: 119 Resp: 864
Ion Ratio Lower Upper
119 100
134 21.2 20.5 30.7
91 22.1 19.8 29.6



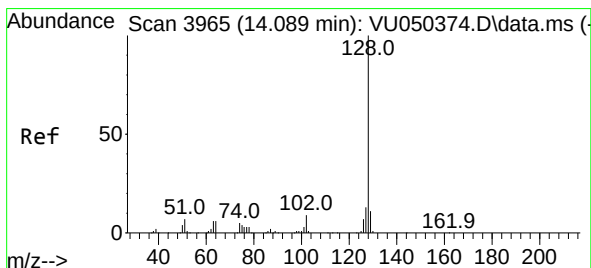
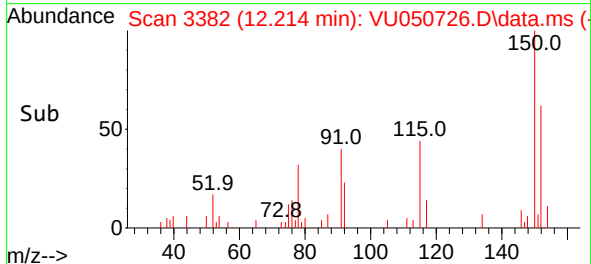
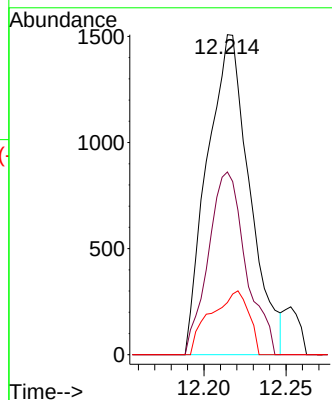


#84
n-Butylbenzene
Concen: 0.636 ug/l
RT: 12.214 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

Instrument :
MSVOA_U
ClientSampleId :

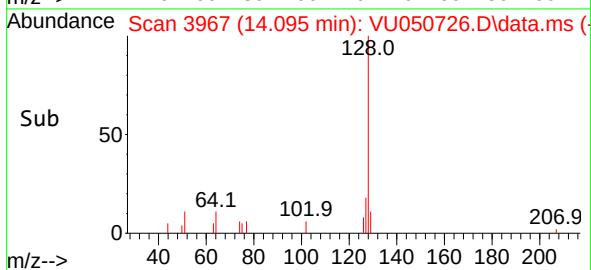
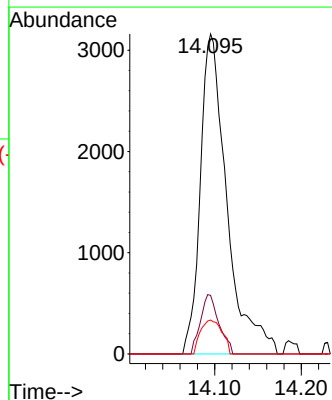
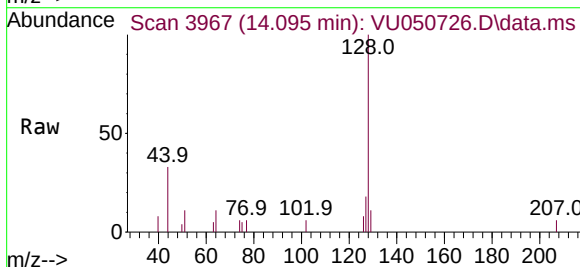


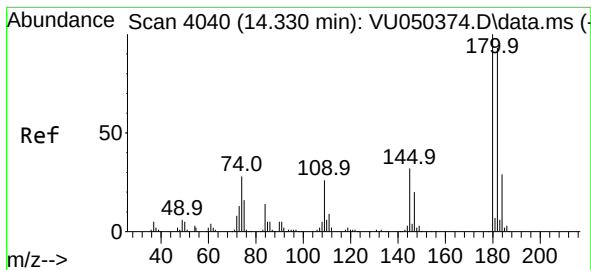
Tgt Ion: 91 Resp: 2700
Ion Ratio Lower Upper
91 100
92 50.7 42.3 63.5
134 18.0 19.6 29.4#



#89
Naphthalene
Concen: 1.108 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.006 min
Lab File: VU050726.D
Acq: 16 Sep 2022 15:40

Tgt Ion:128 Resp: 6729
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 8.6 8.6 12.8





#90

1,2,3-Trichlorobenzene

Concen: 0.597 ug/l

RT: 14.333 min Scan# 4041

Delta R.T. 0.003 min

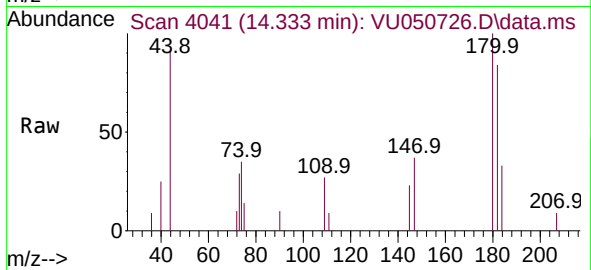
Lab File: VU050726.D

Acq: 16 Sep 2022 15:40

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 2156

Ion Ratio Lower Upper

180 100

182 90.4 76.6 114.8

145 22.1 27.3 40.9#

