

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082222\
 Data File : VU050396.D
 Acq On : 22 Aug 2022 12:50
 Operator : SY/MD
 Sample : M3734-12DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WS-TRISALOMETHANESDL

Quant Time: Aug 23 08:26:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 23 08:18:20 2022
 Response via : Initial Calibration

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

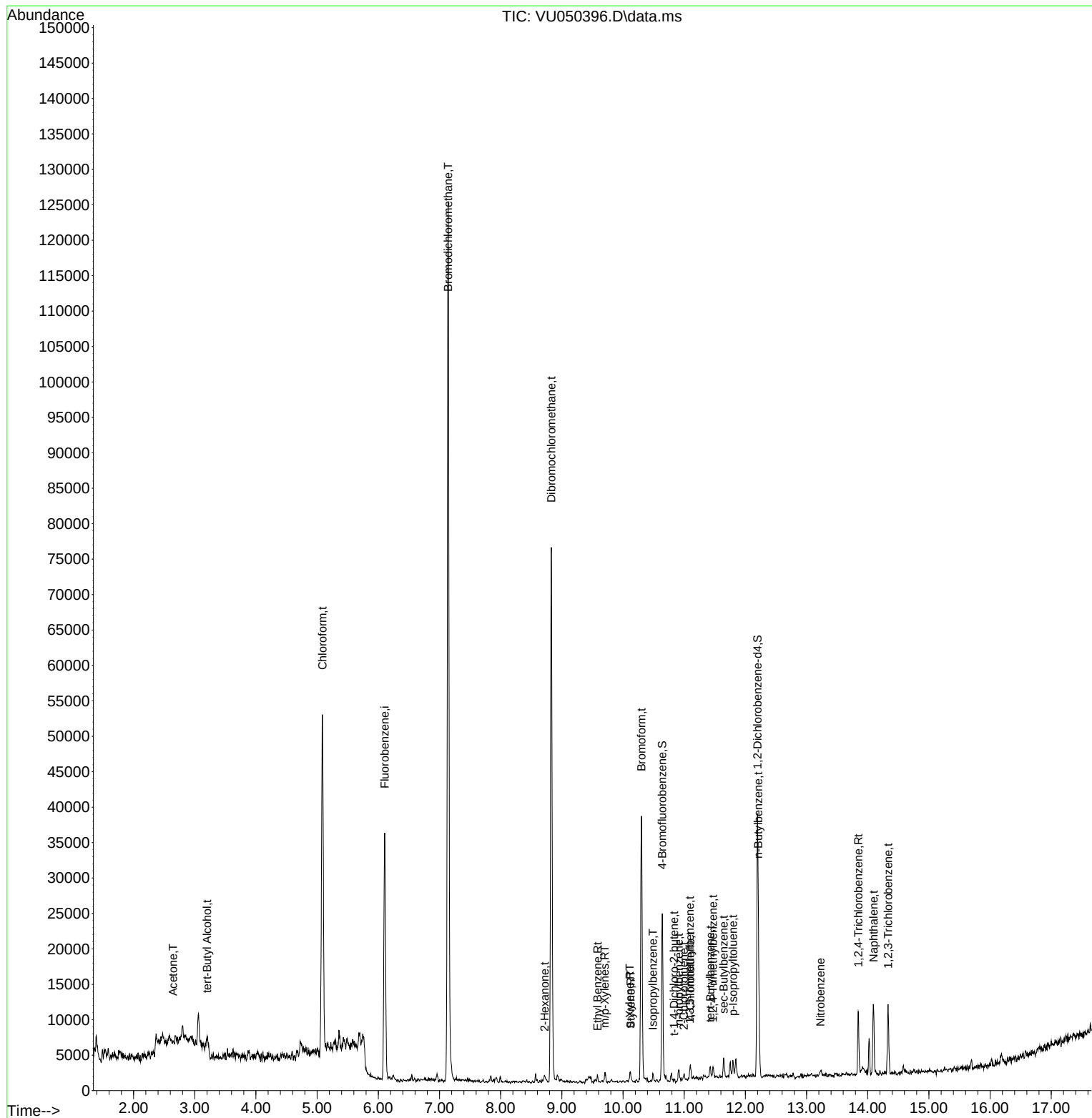
Internal Standards						
1) Fluorobenzene	6.105	96	32375	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	8369	0.759	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	9943	0.763	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.000%	
Target Compounds						
						Qvalue
13) Acetone	2.645	43	898	0.449	ug/l	# 85
24) tert-Butyl Alcohol	3.202	59	703	0.811	ug/l	# 73
27) Chloroform	5.086	83	40161	2.019	ug/l	99
44) Bromodichloromethane	7.140	83	84818	6.216	ug/l	100
46) t-1,4-Dichloro-2-butene	10.835	75	179	0.574	ug/l	# 20
54) 2-Hexanone	8.719	43	1095	0.271	ug/l	# 54
55) Dibromochloromethane	8.828	129	42125	4.506	ug/l	99
63) Ethyl Benzene	9.584	91	709	0.584	ug/l	98
64) m/p-Xylenes	9.703	106	523	1.111	ug/l	76
65) o-Xylene	10.111	106	234	0.524	ug/l	85
66) Styrene	10.124	104	562	0.618	ug/l	88
67) Bromoform	10.301	173	17908	3.373	ug/l	97
69) Isopropylbenzene	10.491	105	783	0.586	ug/l	# 75
73) n-propylbenzene	10.915	120	380	0.620	ug/l	79
74) 2-Chlorotoluene	10.996	126	155	0.403	ug/l	12
75) 1,3,5-Trimethylbenzene	11.092	105	848	0.543	ug/l	# 82
76) 4-Chlorotoluene	11.102	126	390	0.432	ug/l	81
77) tert-Butylbenzene	11.426	119	885	0.516	ug/l	# 93
78) 1,2,4-Trimethylbenzene	11.471	105	1183	0.592	ug/l	98
79) sec-Butylbenzene	11.645	105	2364	0.591	ug/l	# 92
80) Nitrobenzene	13.227	77	711	1.121	ug/l	# 73
81) p-Isopropyltoluene	11.796	119	2085	0.650	ug/l	# 85
84) n-Butylbenzene	12.211	91	4168	0.686	ug/l	97
87) 1,2,4-Trichlorobenzene	13.844	180	3396	0.294	ug/l	87
89) Naphthalene	14.095	128	9018	1.221	ug/l	98
90) 1,2,3-Trichlorobenzene	14.336	180	3518	0.717	ug/l	94

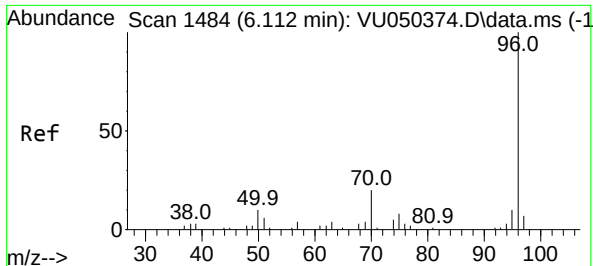
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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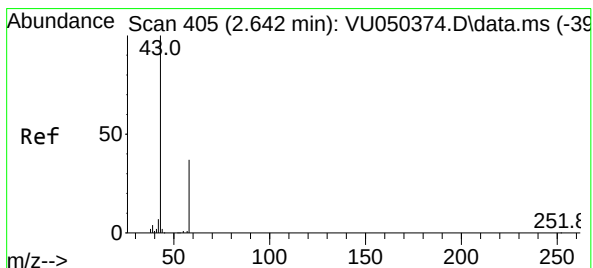
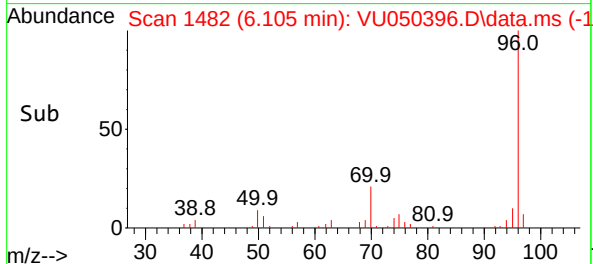
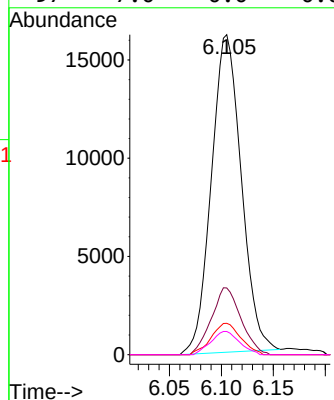
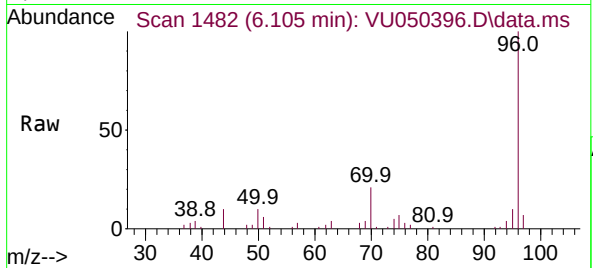




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.105 min Scan# 1484
Delta R.T. -0.010 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

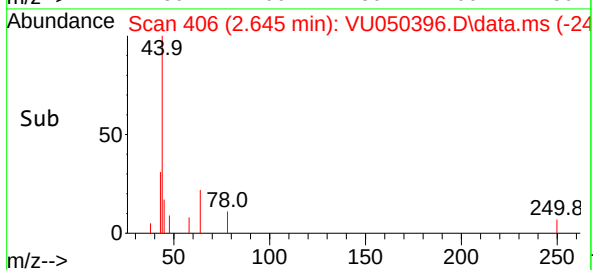
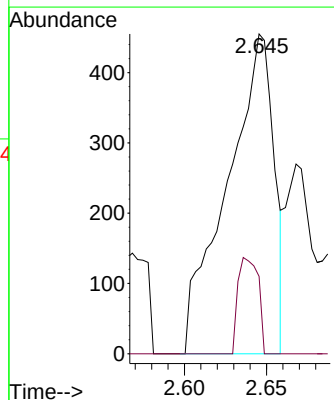
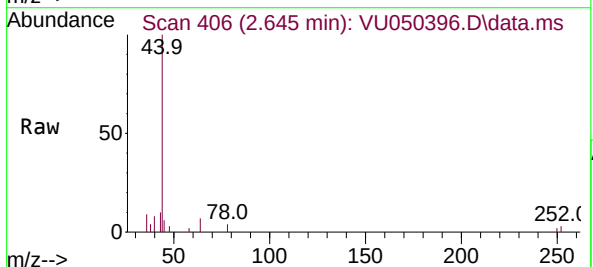
Instrument :
MSVOA_U
ClientSampleId :
WS-TRIS-THALOMETHANESDL

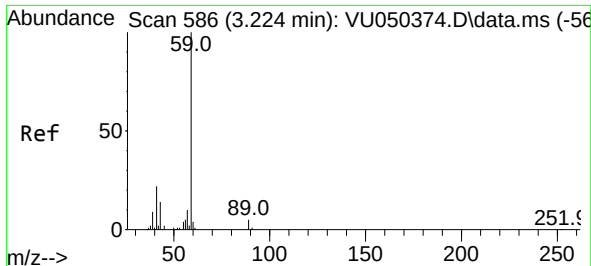
Tgt Ion: 96	Resp: 32375
Ion Ratio	Lower Upper
96 100	
70 20.8	16.7 25.1
95 9.8	7.4 11.0
97 7.0	0.0 0.0



#13
Acetone
Concen: 0.449 ug/l
RT: 2.645 min Scan# 406
Delta R.T. 0.019 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

Tgt Ion: 43	Resp: 898
Ion Ratio	Lower Upper
43 100	
58 24.2	26.2 39.2

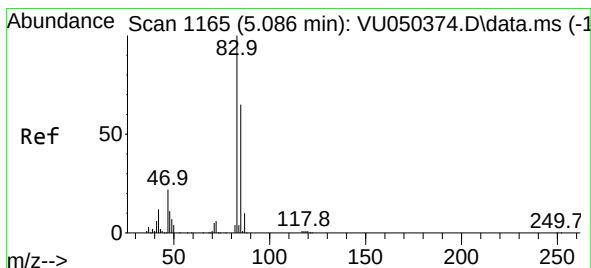
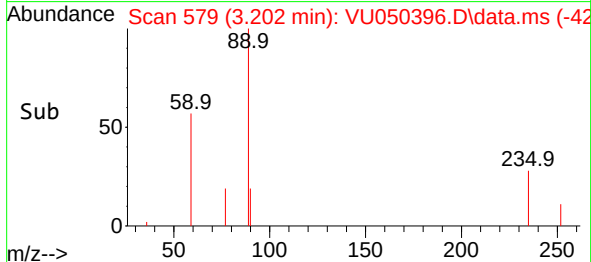
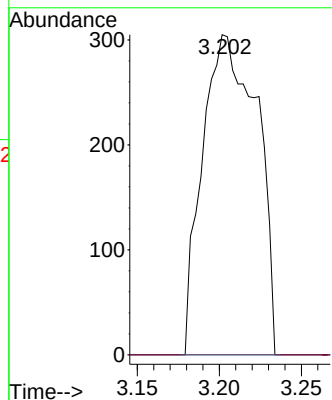
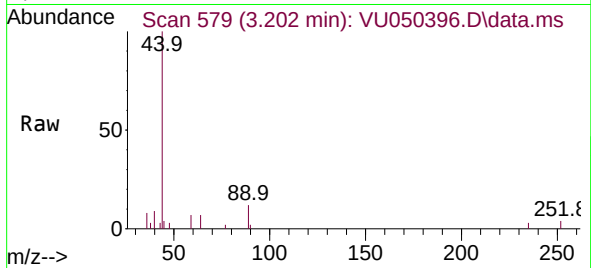




#24
tert-Butyl Alcohol
Concen: 0.811 ug/l
RT: 3.202 min Scan# 51
Delta R.T. 0.006 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

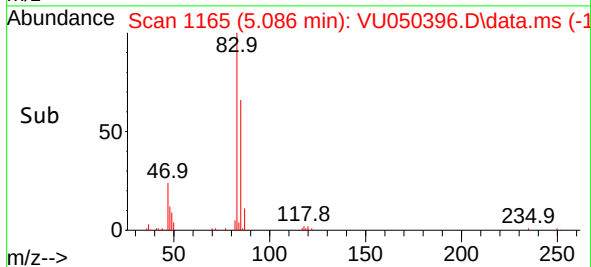
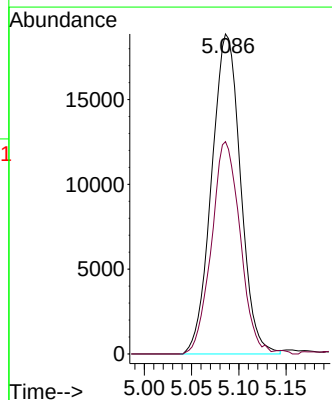
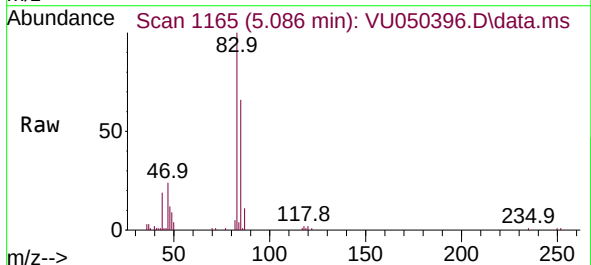
Instrument :
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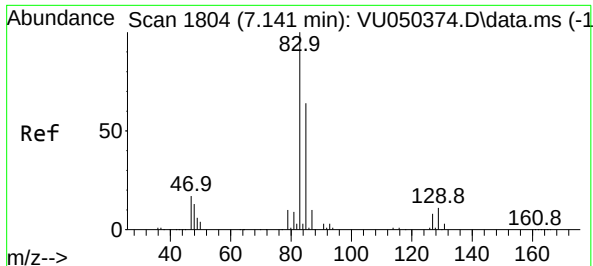
Tgt Ion: 59 Resp: 703
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#27
Chloroform
Concen: 2.019 ug/l
RT: 5.086 min Scan# 1165
Delta R.T. -0.003 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

Tgt Ion: 83 Resp: 40161
Ion Ratio Lower Upper
83 100
85 66.4 0.0 133.6

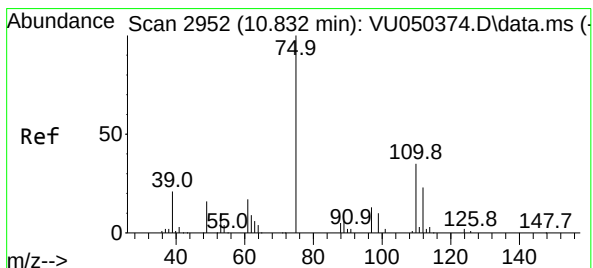
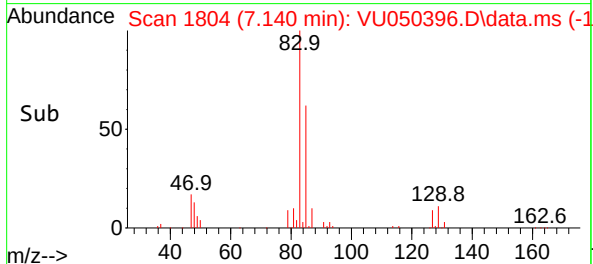
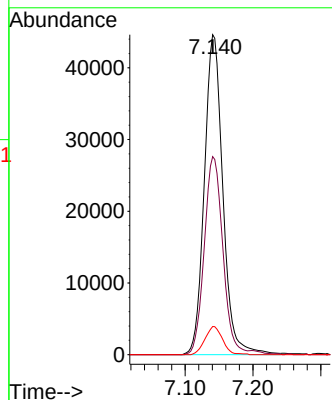
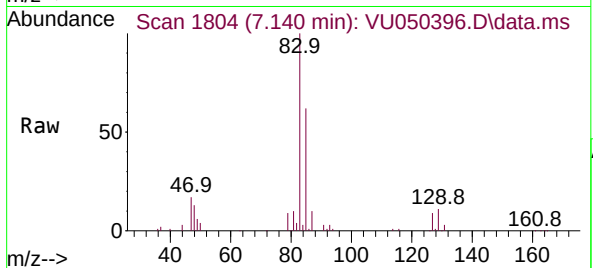




#44
Bromodichloromethane
Concen: 6.216 ug/l
RT: 7.140 min Scan# 11
Delta R.T. 0.032 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

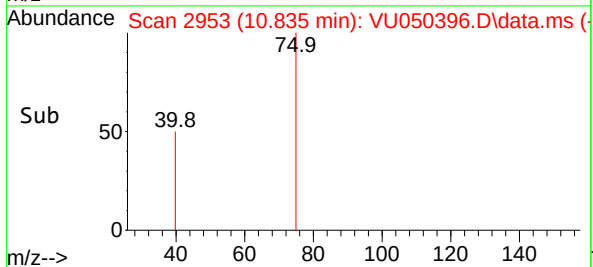
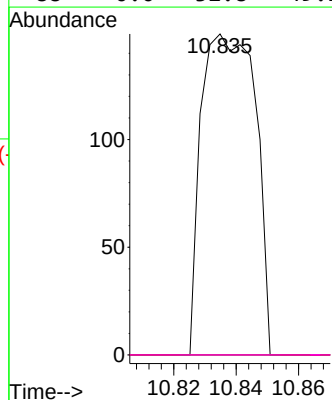
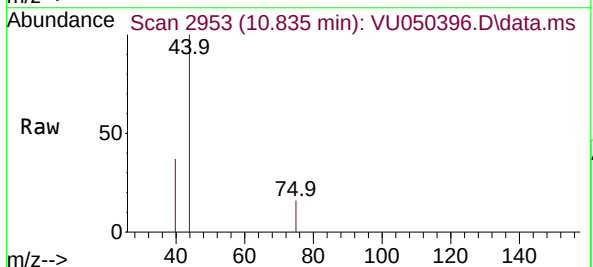
Instrument :
MSVOA_U
ClientSampleId :
WS-TRIS-THALOMETHANESDL

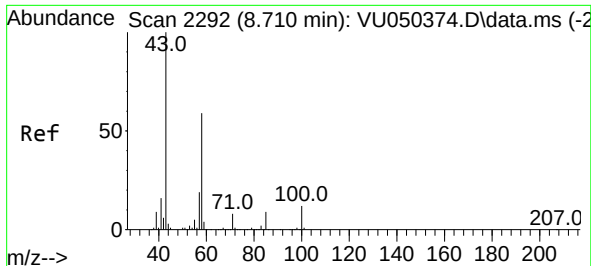
Tgt Ion: 83 Resp: 84818
Ion Ratio Lower Upper
83 100
85 61.9 49.4 74.0
127 8.8 6.6 10.0



#46
t-1,4-Dichloro-2-butene
Concen: 0.574 ug/l
RT: 10.835 min Scan# 2953
Delta R.T. 0.003 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

Tgt Ion: 75 Resp: 179
Ion Ratio Lower Upper
75 100
53 0.0 64.4 96.6#
89 0.0 44.2 66.2#
88 0.0 32.8 49.2#

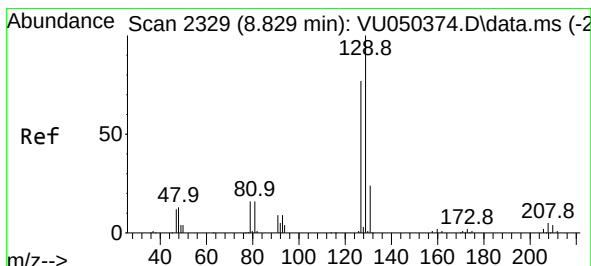
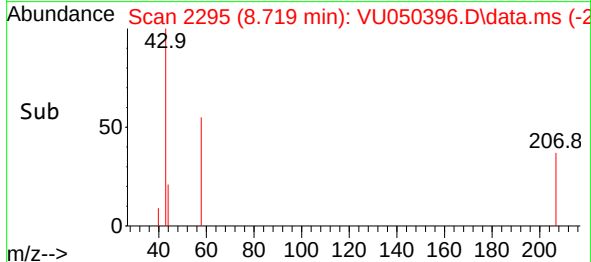
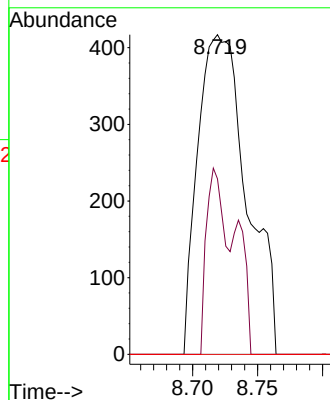
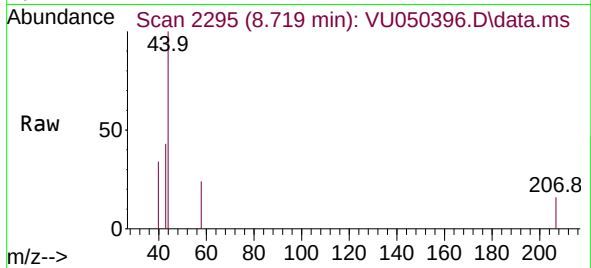




#54
2-Hexanone
Concen: 0.271 ug/l
RT: 8.719 min Scan# 21
Delta R.T. 0.029 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

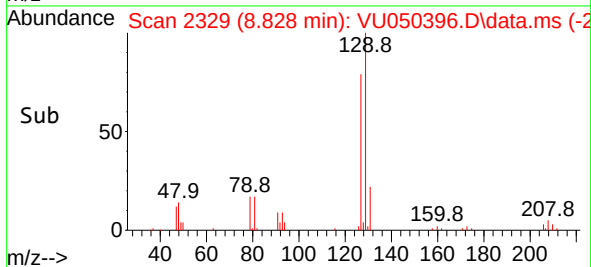
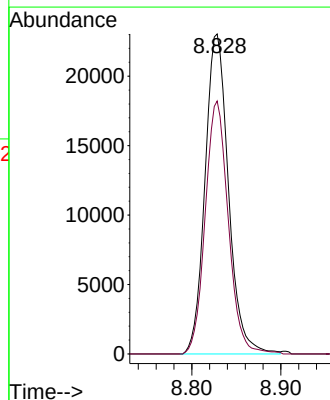
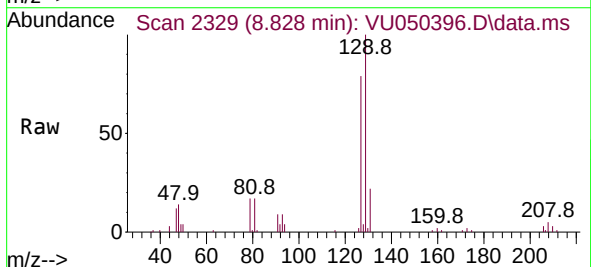
Instrument :
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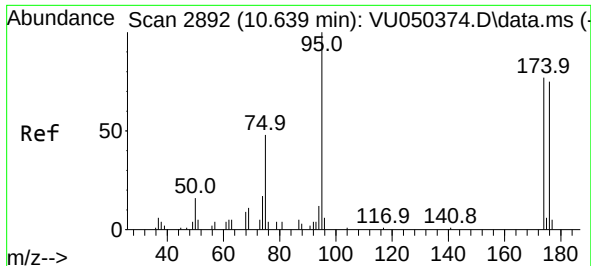
Tgt Ion: 43 Resp: 1095
Ion Ratio Lower Upper
43 100
58 22.6 37.1 77.1#
57 0.0 0.0 39.5



#55
Dibromochloromethane
Concen: 4.506 ug/l
RT: 8.828 min Scan# 2329
Delta R.T. 0.016 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

Tgt Ion: 129 Resp: 42125
Ion Ratio Lower Upper
129 100
127 77.8 61.2 91.8

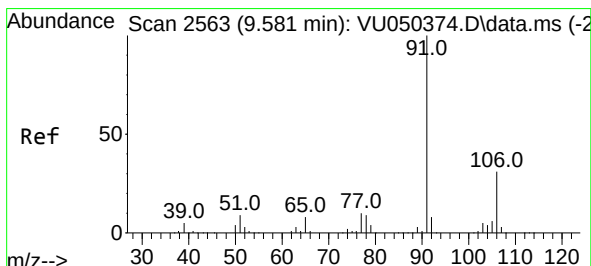
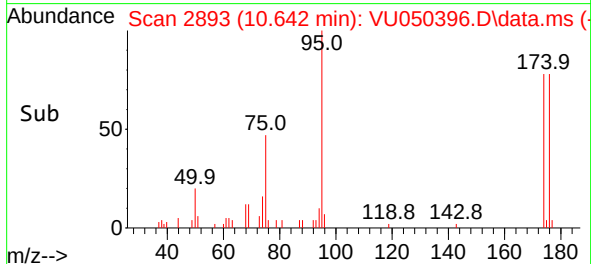
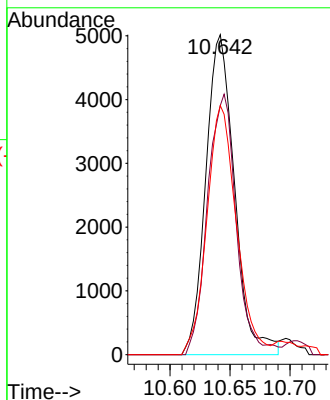
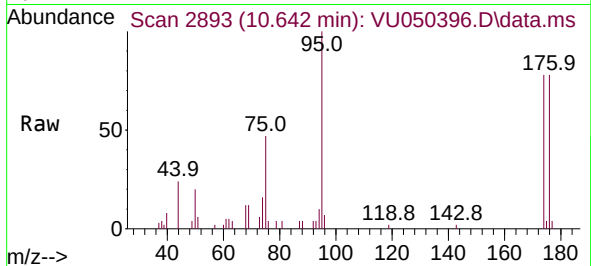




#57
 4-Bromofluorobenzene
 Concen: 0.759 ug/l
 RT: 10.642 min Scan# 21
 Delta R.T. 0.010 min
 Lab File: VU050396.D
 Acq: 22 Aug 2022 12:50

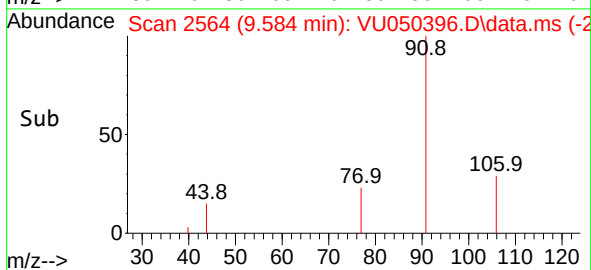
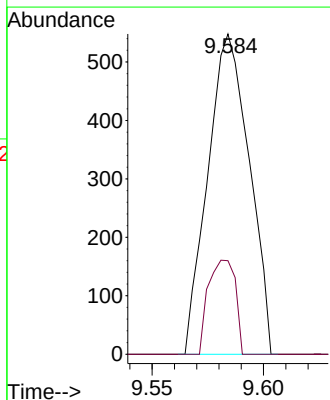
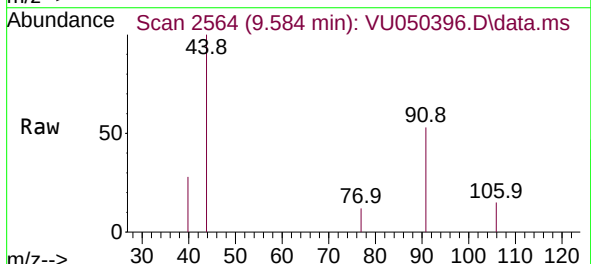
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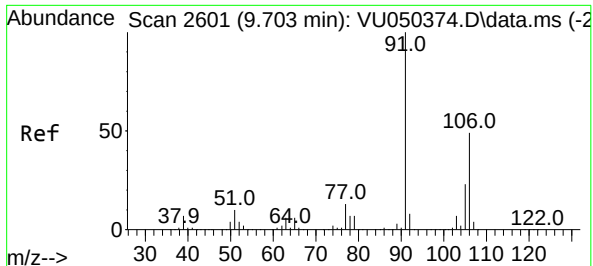
Tgt Ion: 95	Resp: 8369
Ion Ratio	Lower Upper
95 100	
174 81.6	62.4 93.6
176 80.0	56.2 84.2



#63
 Ethyl Benzene
 Concen: 0.584 ug/l
 RT: 9.584 min Scan# 2564
 Delta R.T. 0.013 min
 Lab File: VU050396.D
 Acq: 22 Aug 2022 12:50

Tgt Ion: 91	Resp: 709		
Ion Ratio	Lower	Upper	
91 100			
106 29.2	24.4	36.6	

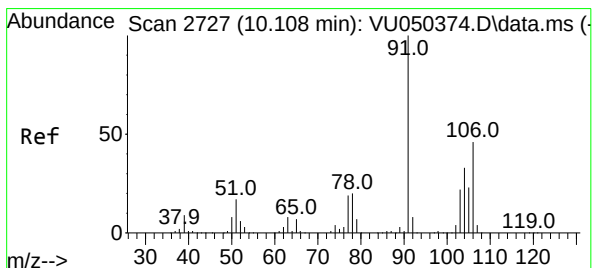
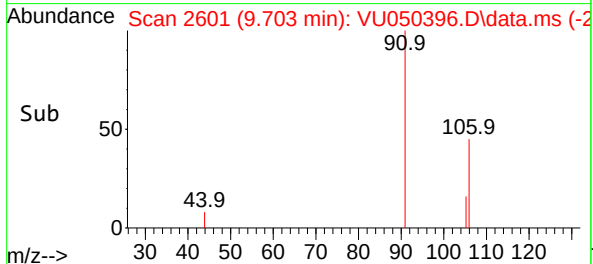
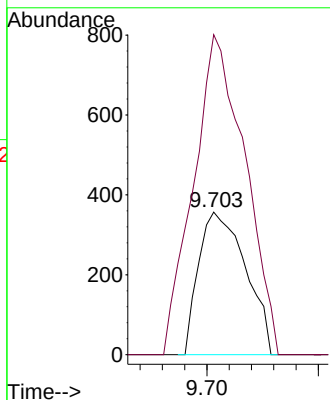
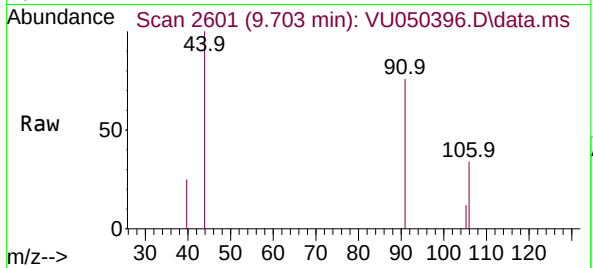




#64
m/p-Xylenes
Concen: 1.111 ug/l
RT: 9.703 min Scan# 2601
Delta R.T. 0.010 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

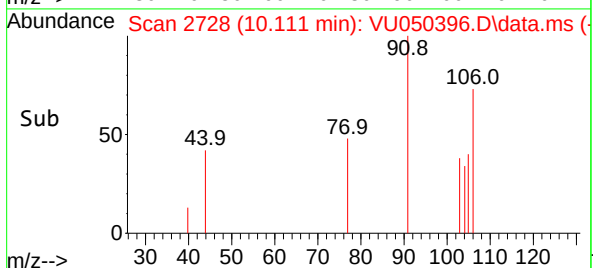
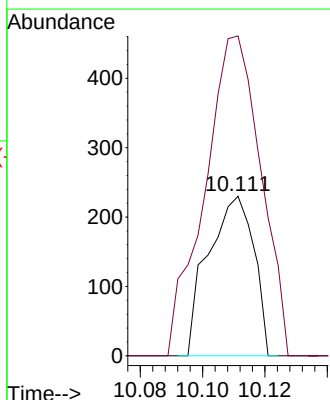
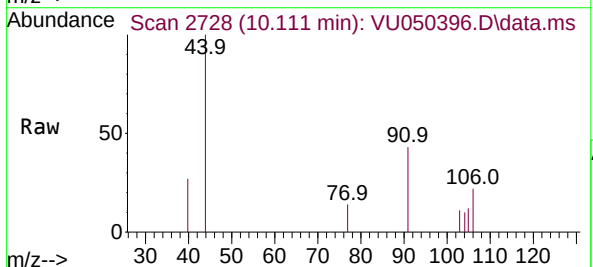
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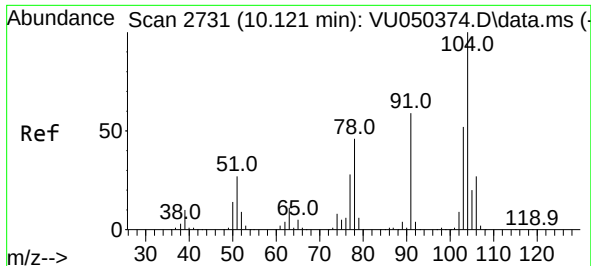
Tgt Ion:106 Resp: 523
Ion Ratio Lower Upper
106 100
91 246.7 167.8 251.6



#65
o-Xylene
Concen: 0.524 ug/l
RT: 10.111 min Scan# 2728
Delta R.T. 0.010 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

Tgt Ion:106 Resp: 234
Ion Ratio Lower Upper
106 100
91 247.0 111.1 333.2

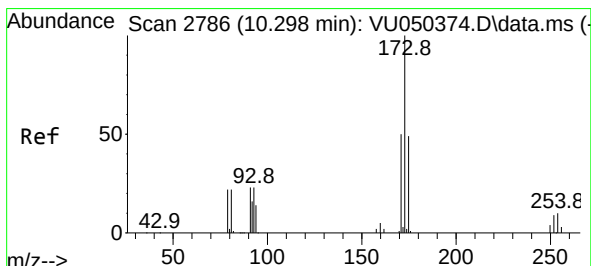
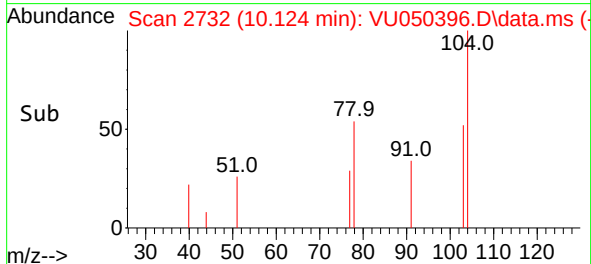
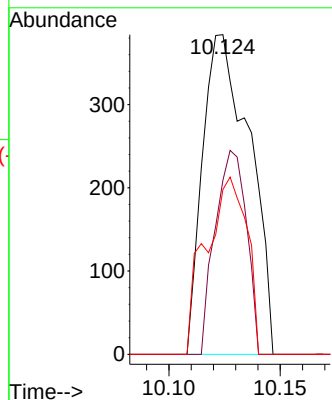
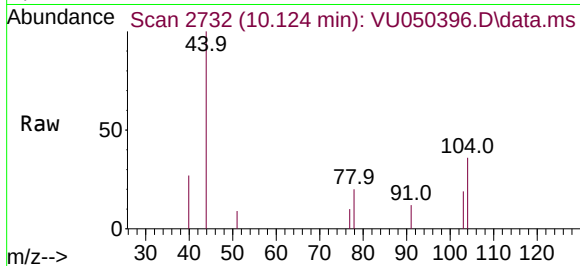




#66
Styrene
Concen: 0.618 ug/l
RT: 10.124 min Scan# 2732
Delta R.T. 0.010 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

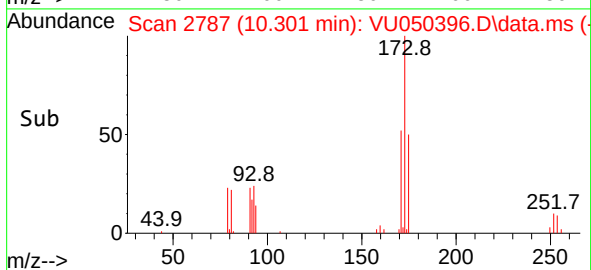
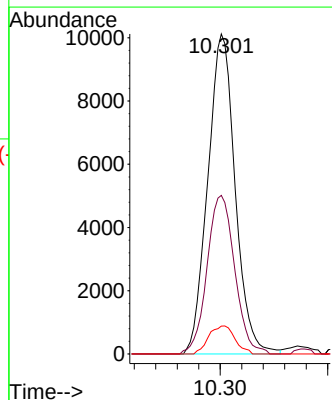
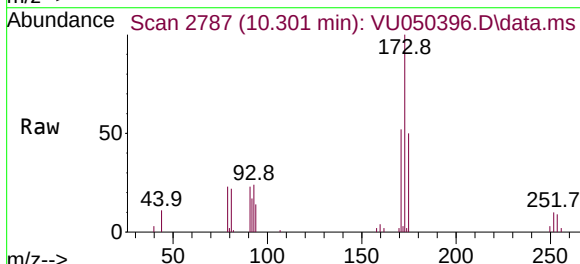
Instrument :
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WS-TRIS-THALOMETHANESDL

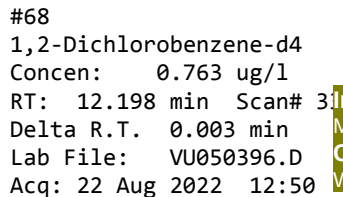
Tgt Ion	Ratio	Lower	Upper
104	100		
78	42.5	42.1	63.1
103	48.6	44.5	66.7



#67
Bromoform
Concen: 3.373 ug/l
RT: 10.301 min Scan# 2787
Delta R.T. 0.010 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

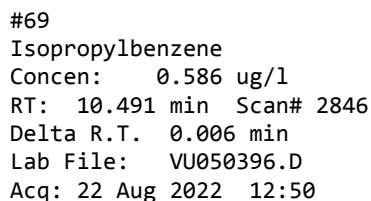
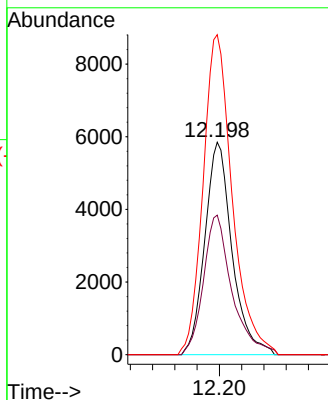
Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.0	38.4	57.6
254	8.4	7.7	11.5



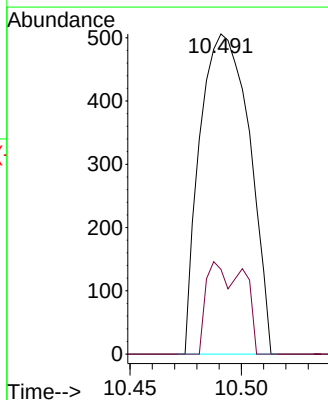


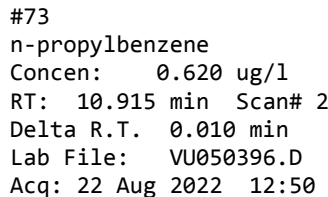
3. **Instrument :**
MSVOA_U
ClientSampleId :
WS-TRISALOMETHANESDL

Tgt	Ion:152	Resp:	9943
Ion	Ratio	Lower	Upper
152	100		
115	68.4	0.0	254.6
150	160.7	0.0	623.6



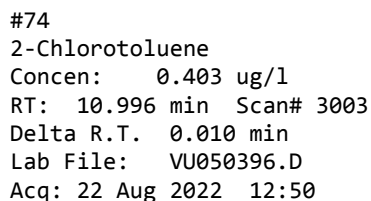
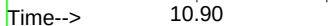
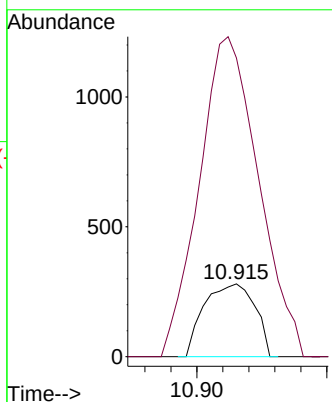
Tgt	Ion:105	Resp:	783
Ion	Ratio	Lower	Upper
105	100		
120	12.4	12.6	37.8#



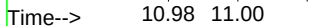
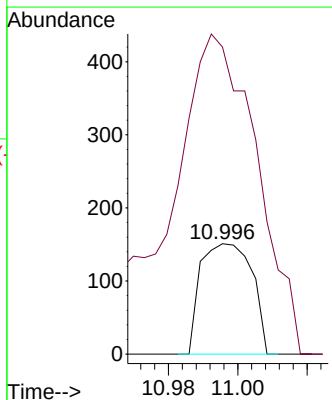


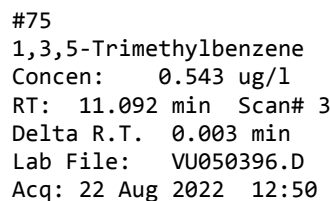
Instrument :
MSVOA_U
ClientSampleId :
WS-TRISALOMETHANESDL

Tgt	Ion:120	Resp:	380
Ion	Ratio	Lower	Upper
120	100		
91	513.9	367.8	551.6



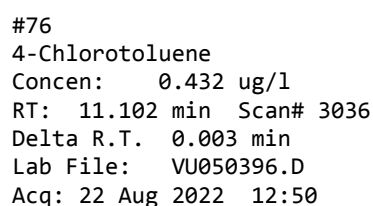
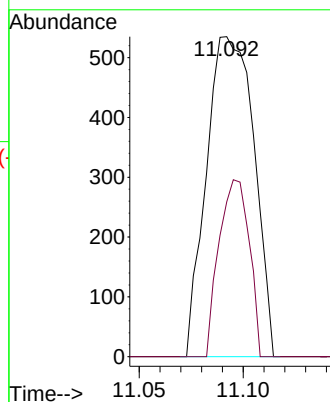
Tgt	Ion:126	Resp:	155
Ion	Ratio	Lower	Upper
126	100		
91	486.5	0.0	620.6



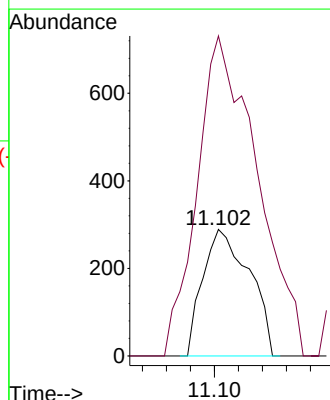


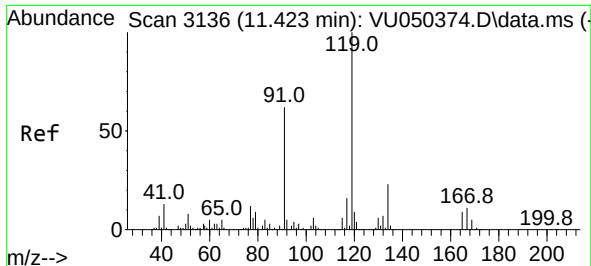
Instrument :
MSVOA_U
ClientSampleId :
WS-TRISALOMETHANESDL

Tgt	Ion:105	Resp:	848
Ion	Ratio	Lower	Upper
105	100		
120	35.1	37.6	56.4#



Tgt	Ion:126	Resp:	390
Ion	Ratio	Lower	Upper
126	100		
91	325.6	0.0	738.8

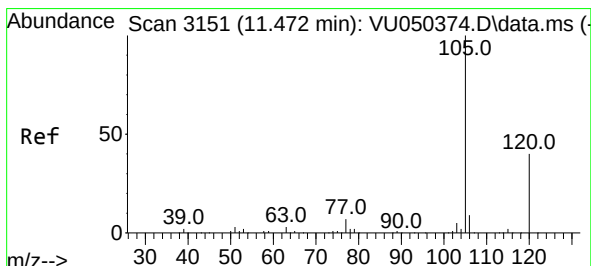
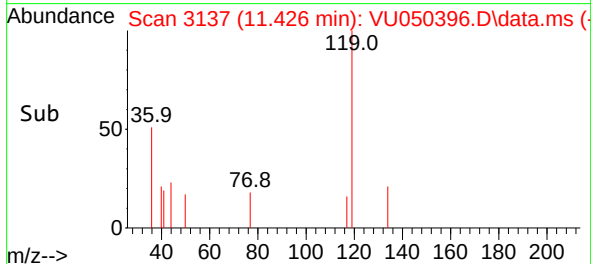
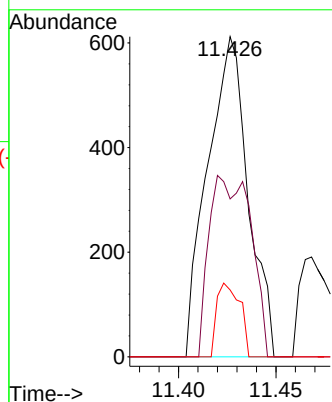
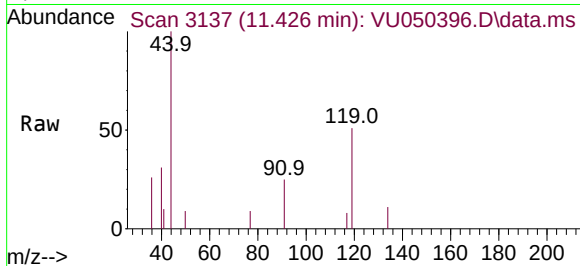




#77
 tert-Butylbenzene
 Concen: 0.516 ug/l
 RT: 11.426 min Scan# 3136
 Delta R.T. 0.006 min
 Lab File: VU050396.D
 Acq: 22 Aug 2022 12:50

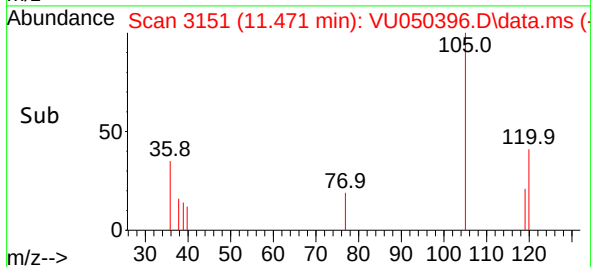
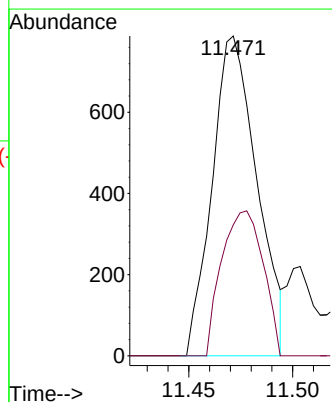
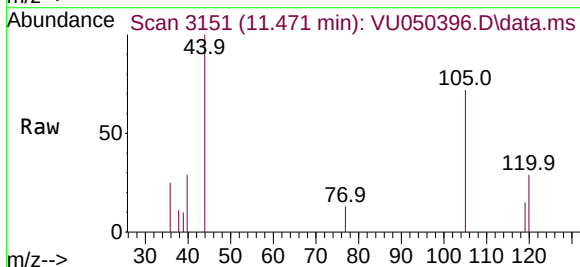
Instrument :
 MSVOA_U
 ClientSampleId :
 WS-TRISALOMETHANESDL

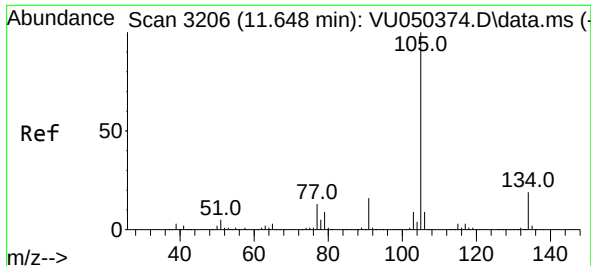
Tgt Ion	Ratio	Lower	Upper
119	100		
91	58.5	30.4	91.3
134	13.0	17.8	26.6



#78
 1,2,4-Trimethylbenzene
 Concen: 0.592 ug/l
 RT: 11.471 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VU050396.D
 Acq: 22 Aug 2022 12:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.8	21.6	65.0

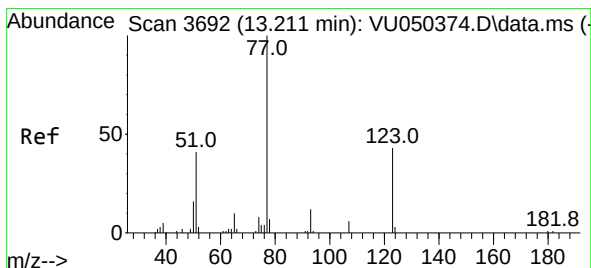
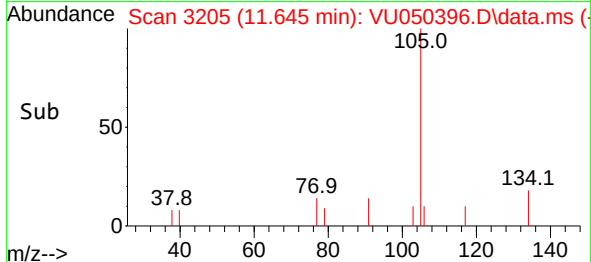
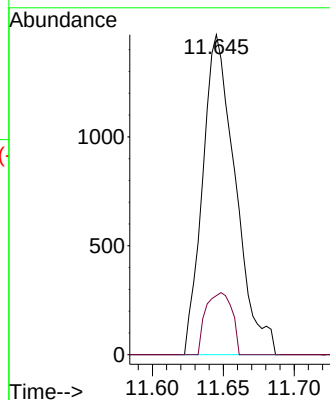
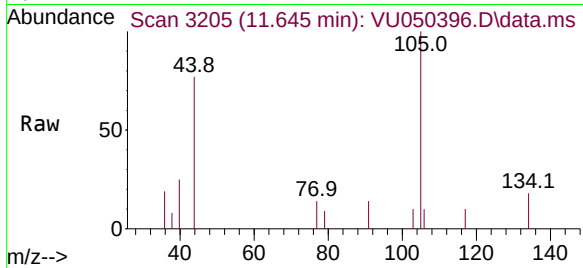




#79
 sec-Butylbenzene
 Concen: 0.591 ug/l
 RT: 11.645 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU050396.D
 Acq: 22 Aug 2022 12:50

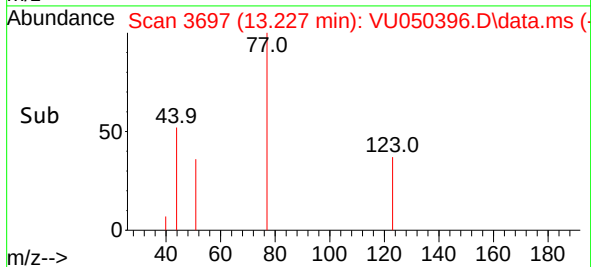
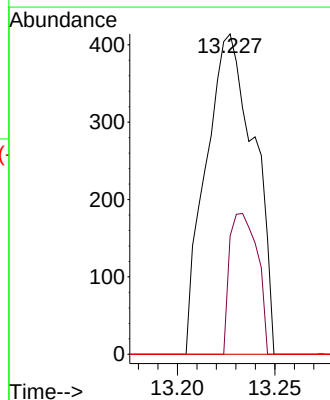
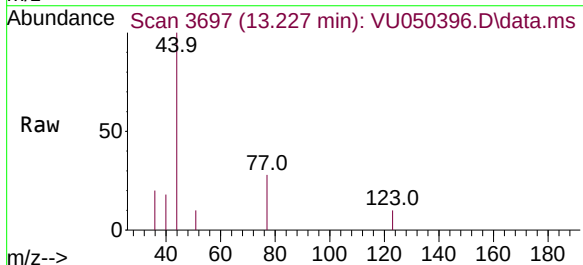
Instrument :
 MSVOA_U
 ClientSampleId :
 WS-TRISALOMETHANESDL

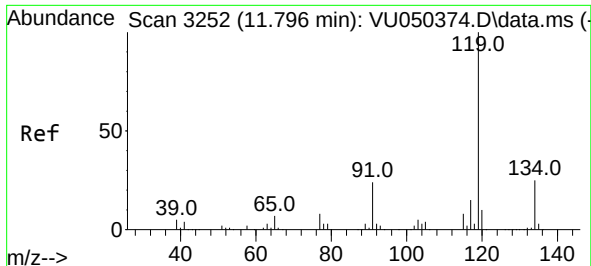
Tgt Ion:105 Resp: 2364
 Ion Ratio Lower Upper
 105 100
 134 15.4 15.4 23.0#



#80
 Nitrobenzene
 Concen: 1.121 ug/l
 RT: 13.227 min Scan# 3697
 Delta R.T. 0.019 min
 Lab File: VU050396.D
 Acq: 22 Aug 2022 12:50

Tgt Ion: 77 Resp: 711
 Ion Ratio Lower Upper
 77 100
 123 25.5 18.1 64.3
 65 0.0 10.8 13.8#

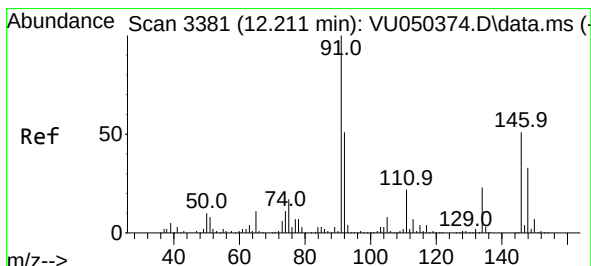
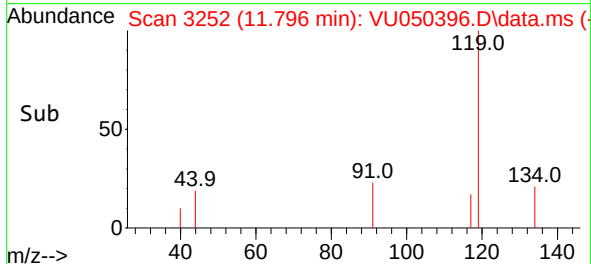
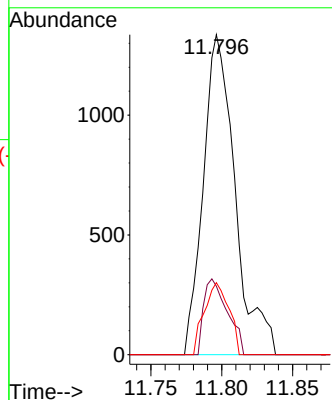
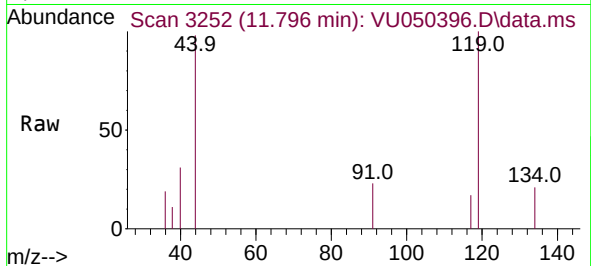




#81
p-Isopropyltoluene
Concen: 0.650 ug/l
RT: 11.796 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

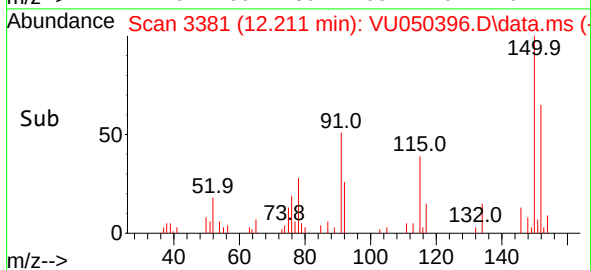
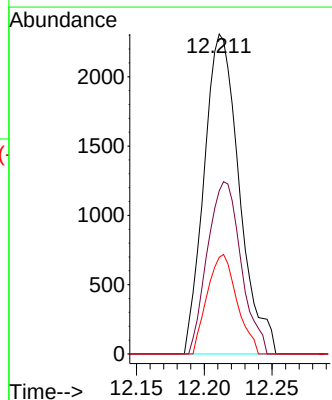
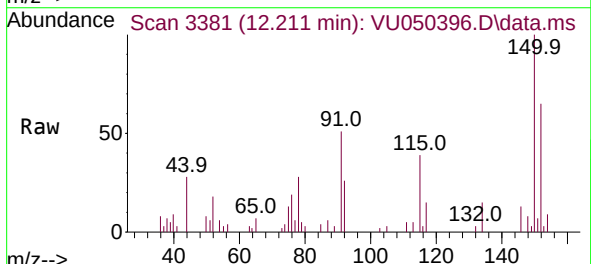
Instrument :
MSVOA_U
ClientSampleId :
WS-TRIS-THALOMETHANESDL

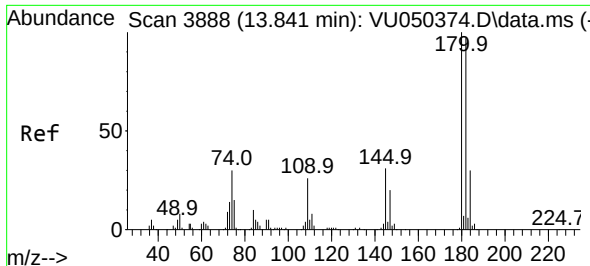
Tgt Ion: 119 Resp: 2085
Ion Ratio Lower Upper
119 100
134 17.6 20.5 30.7#
91 17.4 19.8 29.6#



#84
n-Butylbenzene
Concen: 0.686 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

Tgt Ion: 91 Resp: 4168
Ion Ratio Lower Upper
91 100
92 51.4 42.3 63.5
134 26.2 19.6 29.4

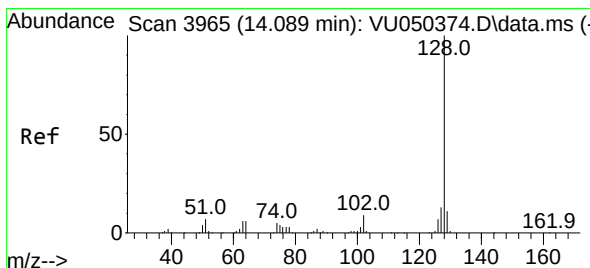
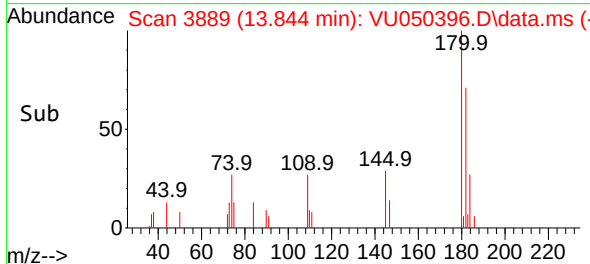
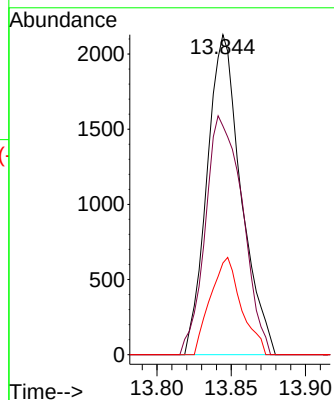
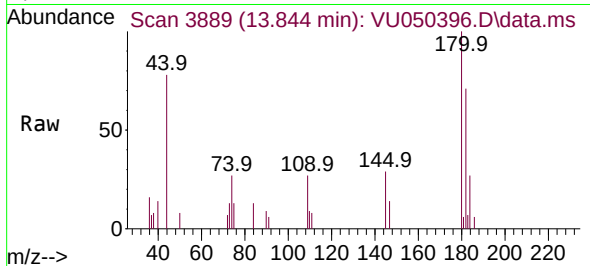




#87
1,2,4-Trichlorobenzene
Concen: 0.294 ug/l
RT: 13.844 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

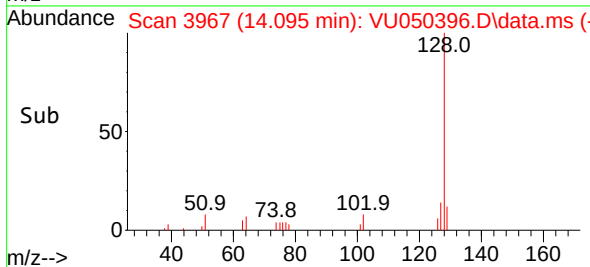
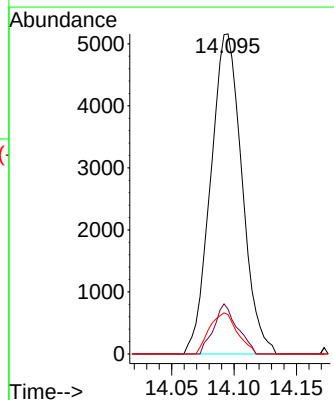
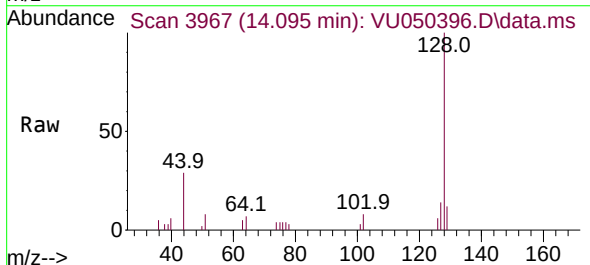
Instrument :
MSVOA_U
ClientSampleId :
WS-TRIS-TRICHLOROMETHANESDL

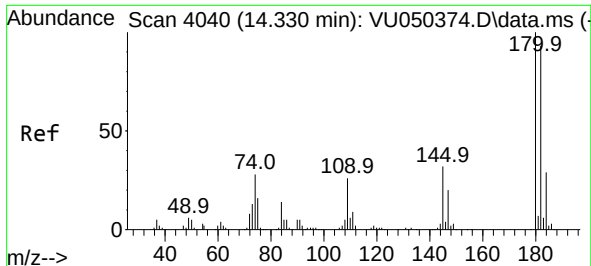
Tgt Ion:180	Resp:	3396
Ion Ratio	Lower	Upper
180	100	
182	81.4	77.0 115.6
145	27.5	25.7 38.5



#89
Naphthalene
Concen: 1.221 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.006 min
Lab File: VU050396.D
Acq: 22 Aug 2022 12:50

Tgt Ion:128	Resp:	9018
Ion Ratio	Lower	Upper
128	100	
127	11.7	10.1 15.1
129	11.4	8.6 12.8





#90

1,2,3-Trichlorobenzene

Concen: 0.717 ug/l

RT: 14.336 min Scan# 40

Delta R.T. 0.006 min

Lab File: VU050396.D

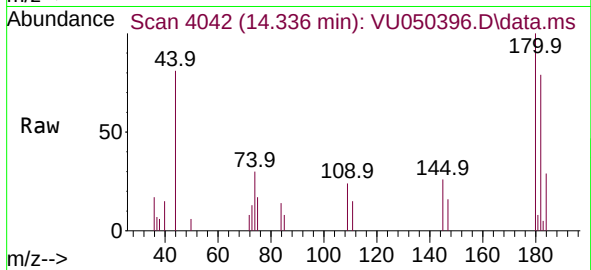
Acq: 22 Aug 2022 12:50

Instrument :

MSVOA_U

ClientSampleId :

WS-TRIS-TRICHLOROMETHANESDL



Tgt Ion:180 Resp: 3518

Ion Ratio Lower Upper

180 100

182 90.1 76.6 114.8

145 29.6 27.3 40.9

