

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044870.D
 Acq On : 26 Sep 2021 05:04
 Operator : SY/MD
 Sample : M3888-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 20897

Quant Time: Sep 27 03:16:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 25 09:30:46 2021
 Response via : Initial Calibration

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

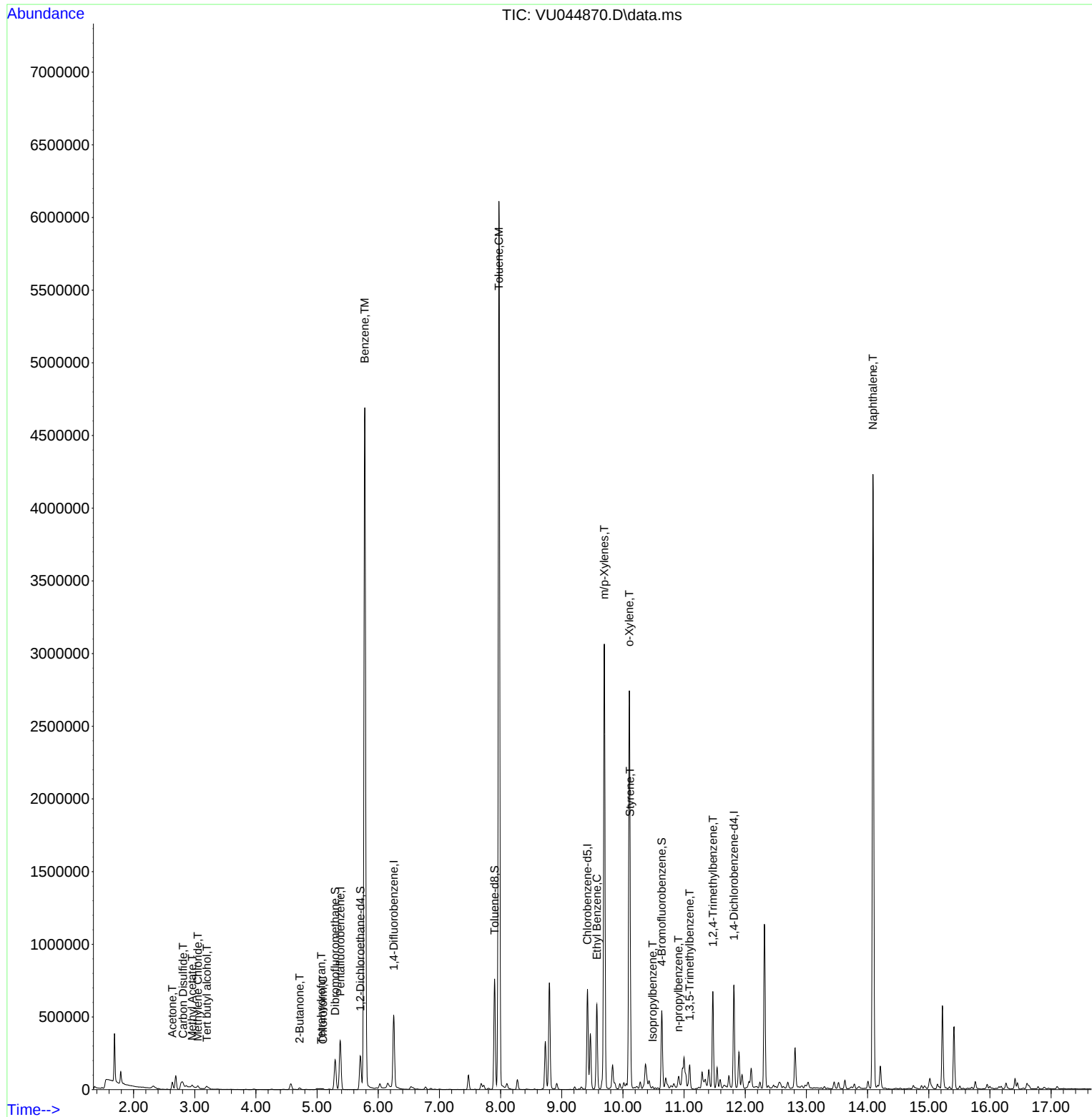
Internal Standards						
1) Pentafluorobenzene	5.378	168	215827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	381283	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	349851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	168271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	173061	45.944	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.880%	
35) Dibromofluoromethane	5.295	113	119872	45.828	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.660%	
50) Toluene-d8	7.902	98	481235	48.714	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.420%	
62) 4-Bromofluorobenzene	10.635	95	176881	48.207	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.420%	
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.198	59	24816	22.572	ug/l	99
16) Acetone	2.633	43	59250	27.886	ug/l	98
17) Carbon Disulfide	2.806	76	31906	4.364	ug/l	99
18) Methyl Acetate	2.957	43	15491	2.182	ug/l	98
20) Methylene Chloride	3.051	84	7276	2.115	ug/l	90
25) 2-Butanone	4.713	43	18899	5.862	ug/l	100
29) Tetrahydrofuran	5.070	42	2367	1.167	ug/l	94
30) Chloroform	5.095	83	4399	0.756	ug/l	91
40) Benzene	5.780	78	4299691	348.605	ug/l	100
52) Toluene	7.973	92	2497962	338.749	ug/l	100
67) Ethyl Benzene	9.574	91	397677	30.677	ug/l	100
68) m/p-Xylenes	9.697	106	826105	166.620	ug/l	97
69) o-Xylene	10.105	106	624135	130.184	ug/l	98
70) Styrene	10.118	104	310132	34.922	ug/l #	75
73) Isopropylbenzene	10.488	105	11170	0.935	ug/l	96
78) n-propylbenzene	10.909	91	47846	3.306	ug/l	84
80) 1,3,5-Trimethylbenzene	11.092	105	86162	8.517	ug/l	99
84) 1,2,4-Trimethylbenzene	11.471	105	346848	34.777	ug/l	95
95) Naphthalene	14.089	128	3087629	235.661	ug/l	100

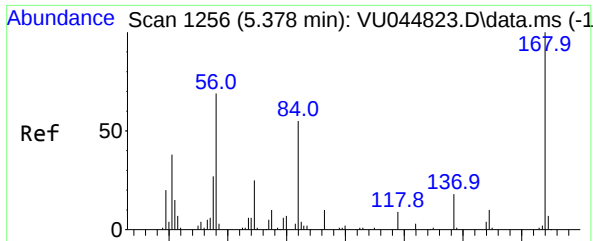
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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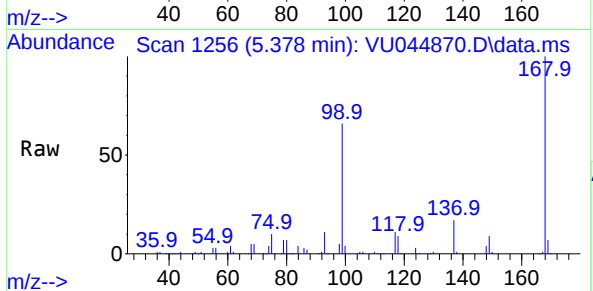
Quant Time: Sep 27 03:16:55 2021
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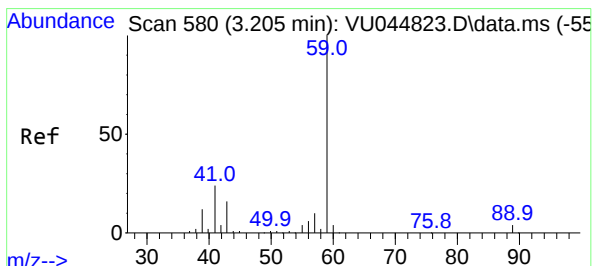
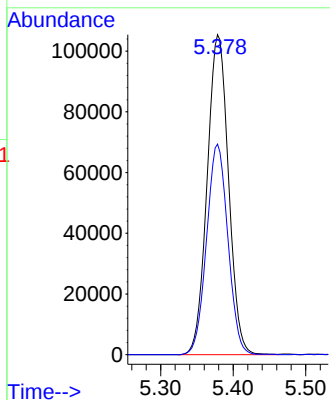
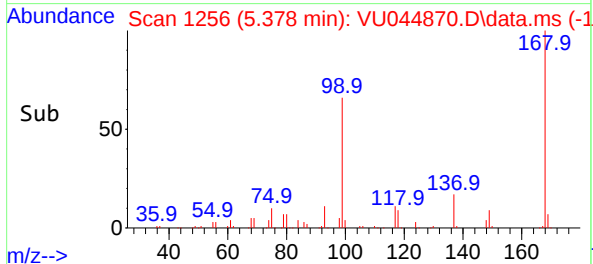


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.378 min Scan# 1256
 Delta R.T. 0.000 min
 Lab File: VU044870.D
 Acq: 26 Sep 2021 05:04

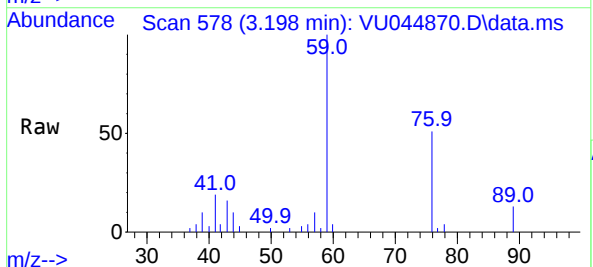
Instrument :
 MSVOA_U
 ClientSampleId :
 20897



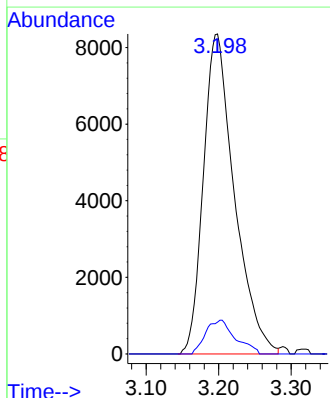
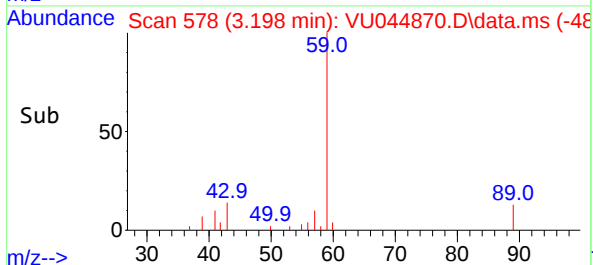
Tgt Ion:168 Resp: 215827
 Ion Ratio Lower Upper
 168 100
 99 65.8 51.4 77.0

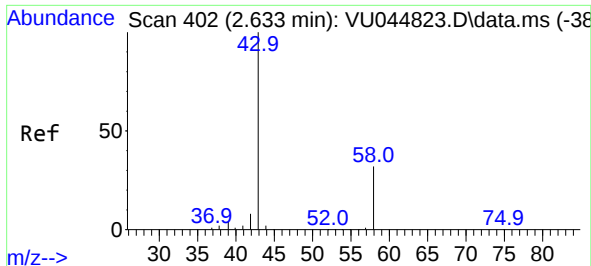


#11
 Tert butyl alcohol
 Concen: 22.572 ug/l
 RT: 3.198 min Scan# 578
 Delta R.T. -0.007 min
 Lab File: VU044870.D
 Acq: 26 Sep 2021 05:04



Tgt Ion: 59 Resp: 24816
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.3 12.5

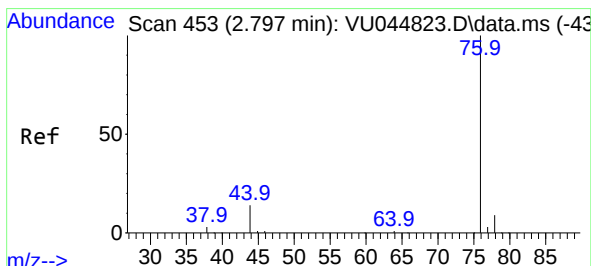
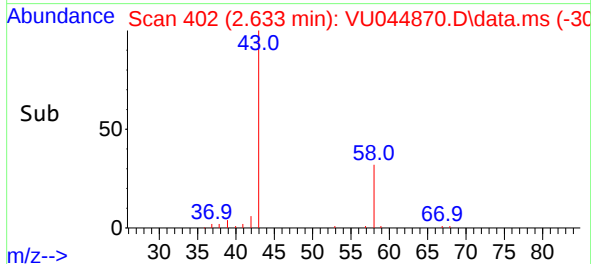
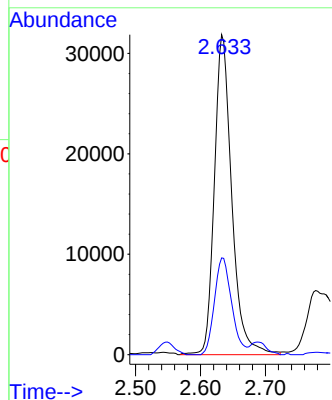
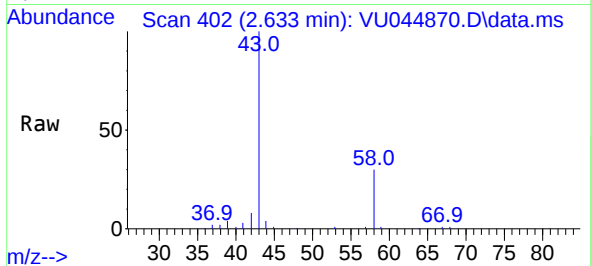




#16
Acetone
Concen: 27.886 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

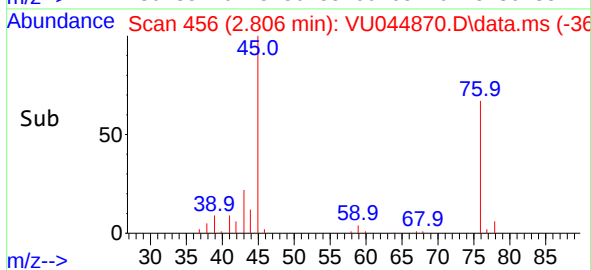
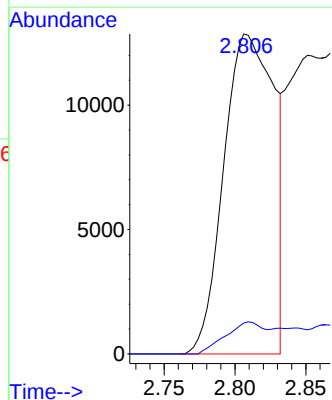
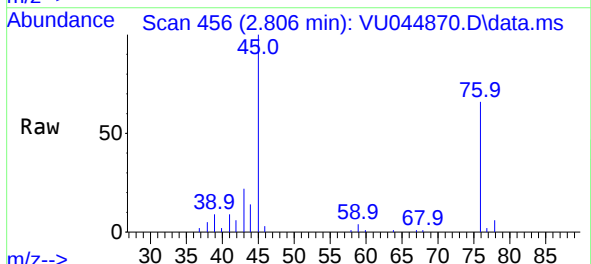
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20897

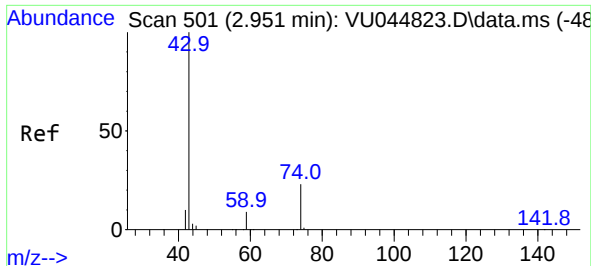
Tgt Ion: 43 Resp: 59250
Ion Ratio Lower Upper
43 100
58 30.2 25.2 37.8



#17
Carbon Disulfide
Concen: 4.364 ug/l
RT: 2.806 min Scan# 456
Delta R.T. 0.010 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

Tgt Ion: 76 Resp: 31906
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0

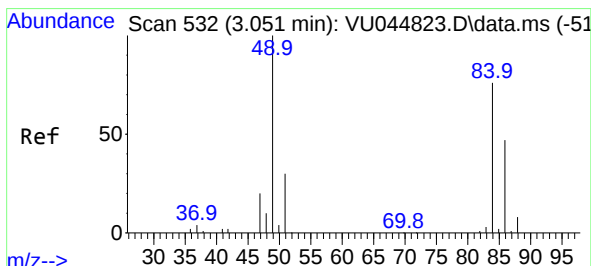
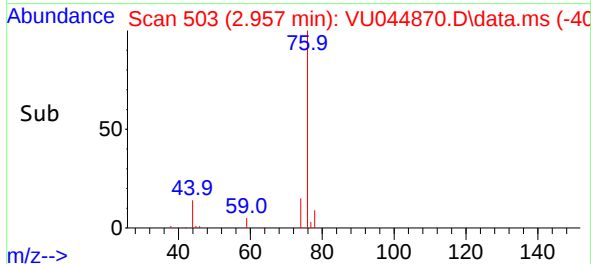
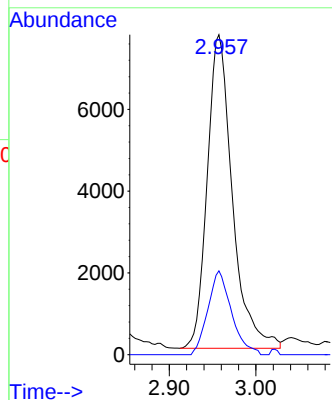
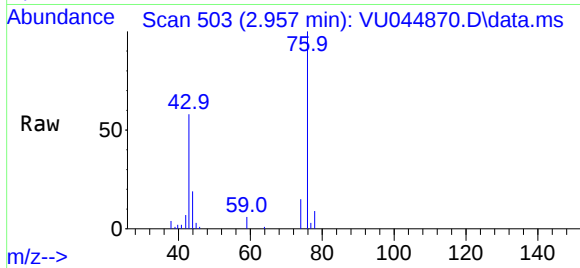




#18
Methyl Acetate
Concen: 2.182 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.006 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

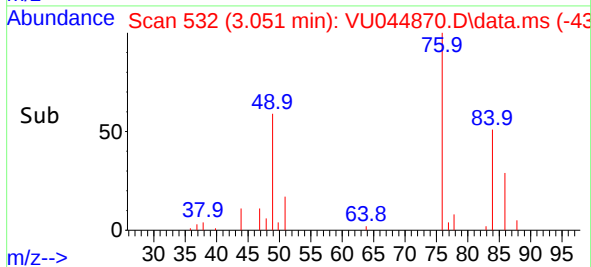
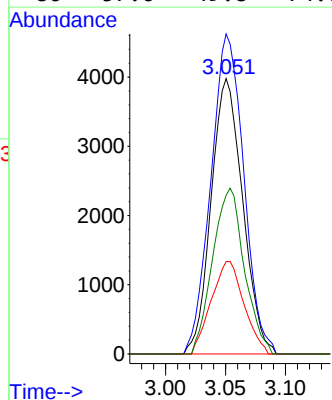
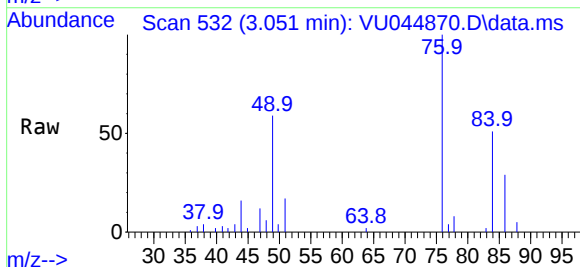
Instrument :
MSVOA_U
ClientSampleId :
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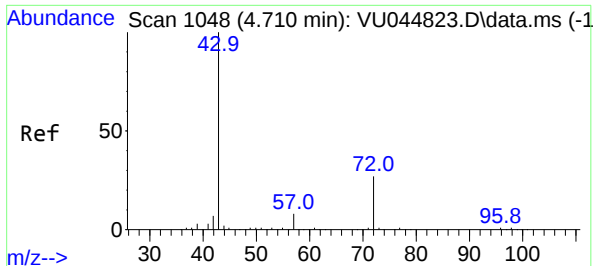
Tgt Ion: 43 Resp: 15491
Ion Ratio Lower Upper
43 100
74 25.0 19.0 28.6



#20
Methylene Chloride
Concen: 2.115 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

Tgt Ion: 84 Resp: 7276
Ion Ratio Lower Upper
84 100
49 116.2 104.9 157.3
51 33.5 31.8 47.8
86 57.6 49.8 74.6

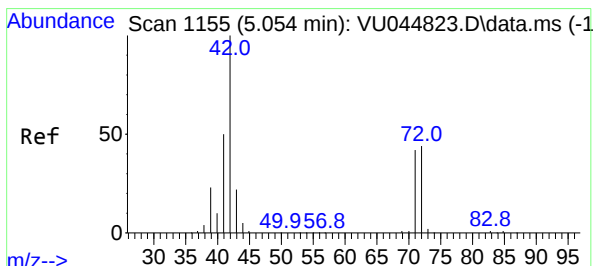
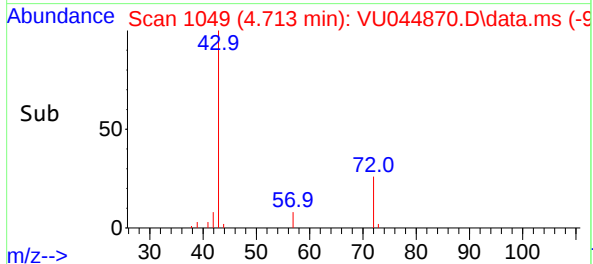
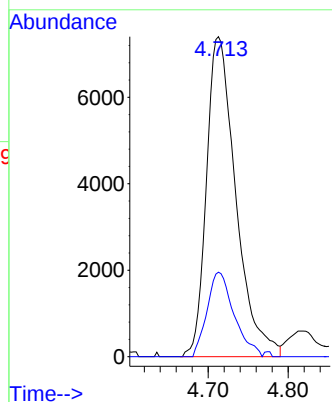
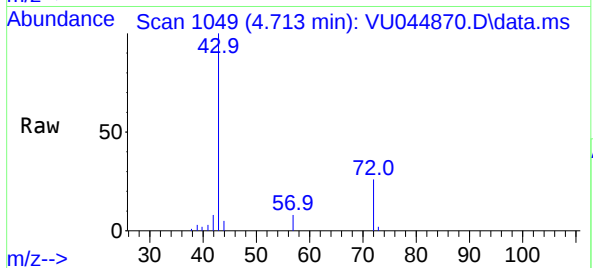




#25
2-Butanone
Concen: 5.862 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

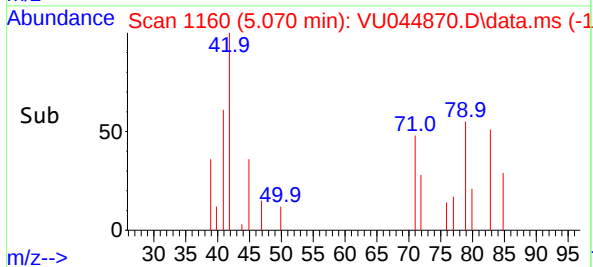
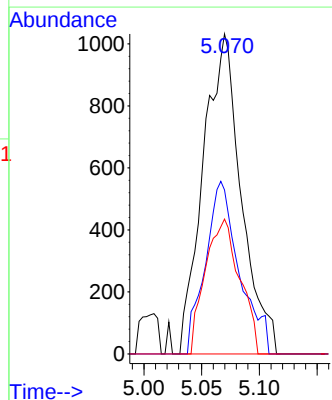
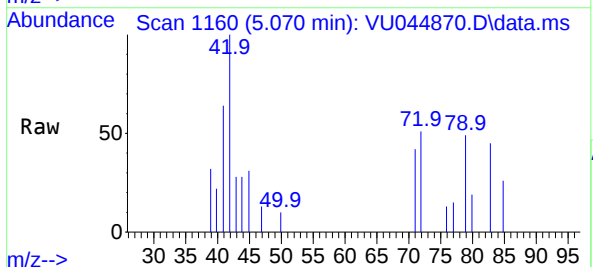
Instrument :
MSVOA_U
ClientSampled :
20897

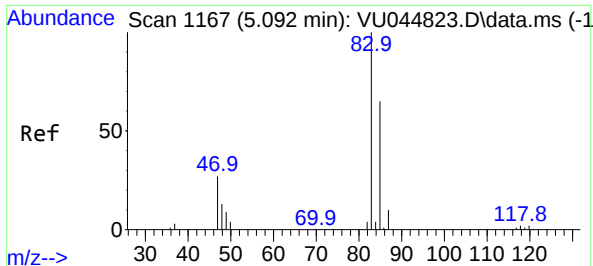
Tgt Ion: 43 Resp: 18899
Ion Ratio Lower Upper
43 100
72 26.4 21.3 31.9



#29
Tetrahydrofuran
Concen: 1.167 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.016 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

Tgt Ion: 42 Resp: 2367
Ion Ratio Lower Upper
42 100
72 48.2 36.2 54.4
71 38.1 34.1 51.1



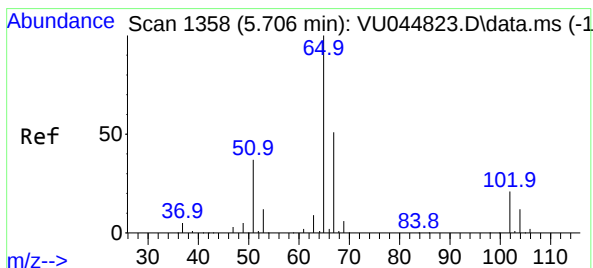
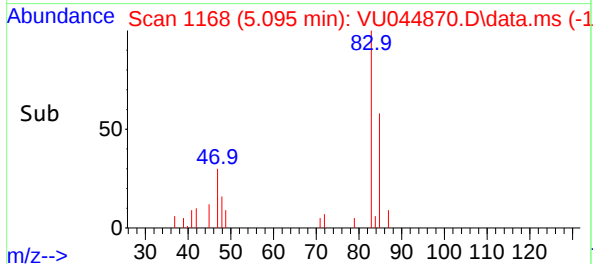
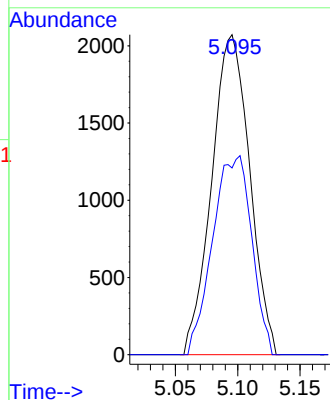
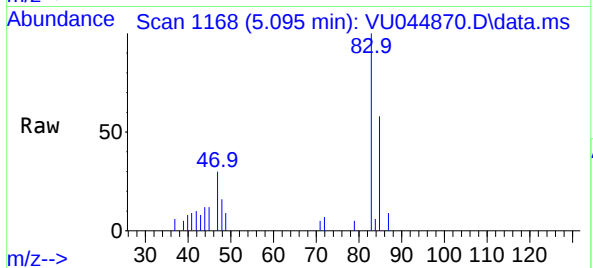


#30

Chloroform
Concen: 0.756 ug/l
RT: 5.095 min Scan# 1168
Delta R.T. 0.003 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

Instrument :
MSVOA_U
ClientSampled :
20897

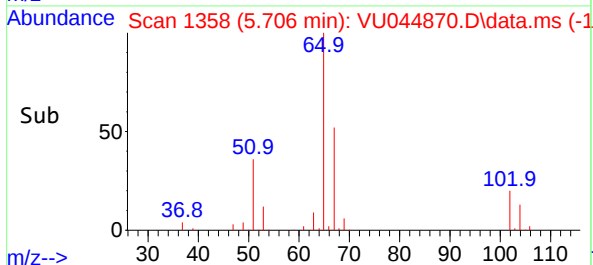
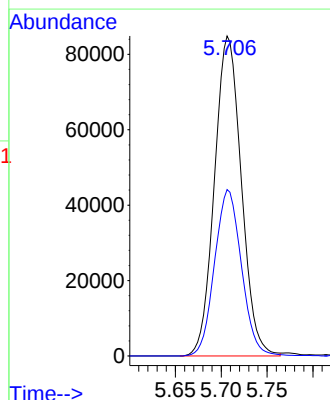
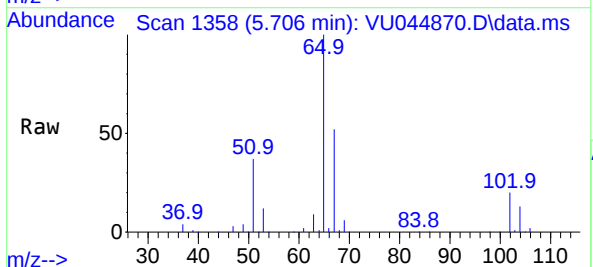
Tgt Ion: 83 Resp: 4399
Ion Ratio Lower Upper
83 100
85 58.3 52.1 78.1

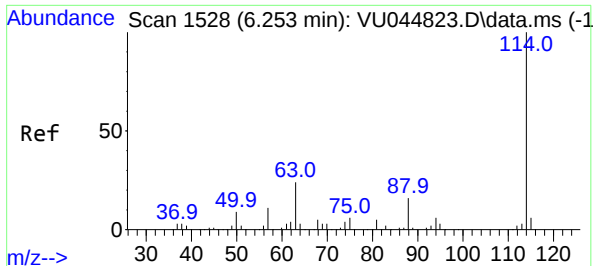


#33

1,2-Dichloroethane-d4
Concen: 45.944 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

Tgt Ion: 65 Resp: 173061
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.000 min

Lab File: VU044870.D

Acq: 26 Sep 2021 05:04

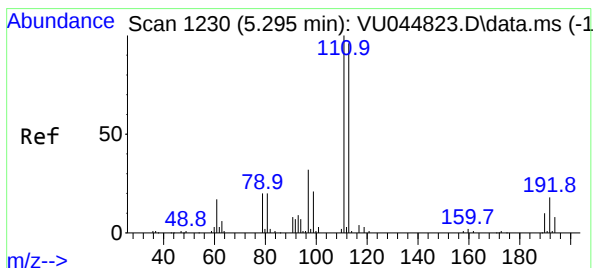
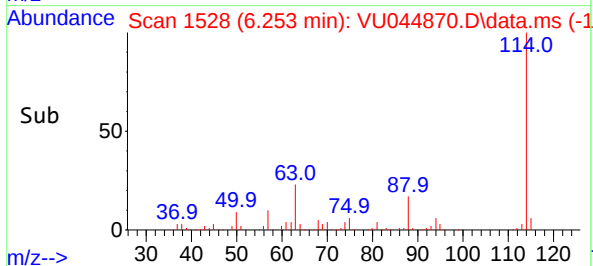
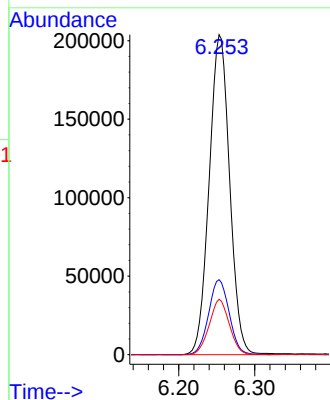
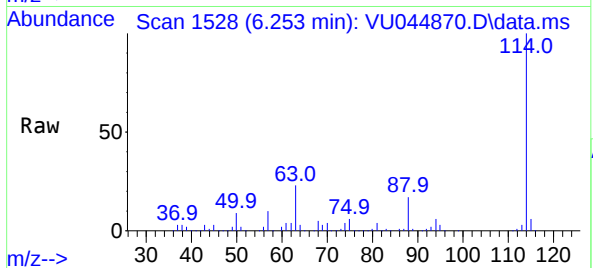
Tgt Ion:114 Resp: 381283

Ion Ratio Lower Upper

114 100

63 23.4 0.0 47.8

88 17.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 45.828 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. -0.000 min

Lab File: VU044870.D

Acq: 26 Sep 2021 05:04

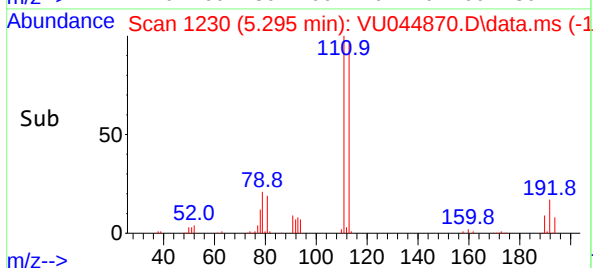
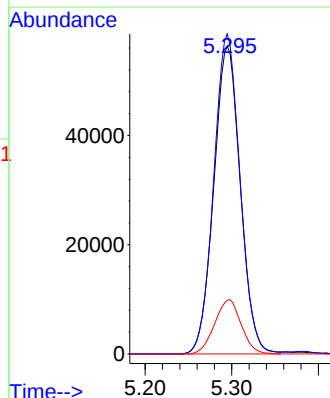
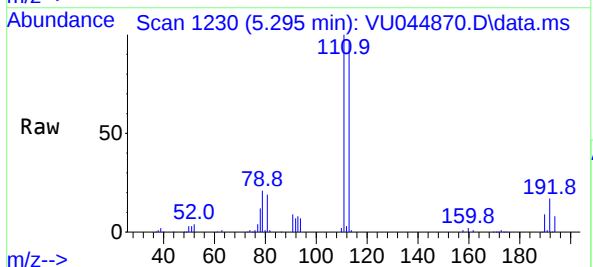
Tgt Ion:113 Resp: 119872

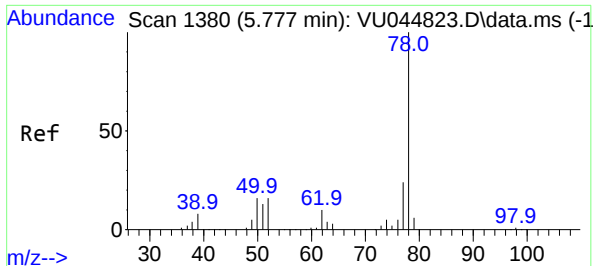
Ion Ratio Lower Upper

113 100

111 103.0 84.1 126.1

192 17.7 14.8 22.2





#40

Benzene

Concen: 348.605 ug/l

RT: 5.780 min Scan# 1381

Delta R.T. 0.003 min

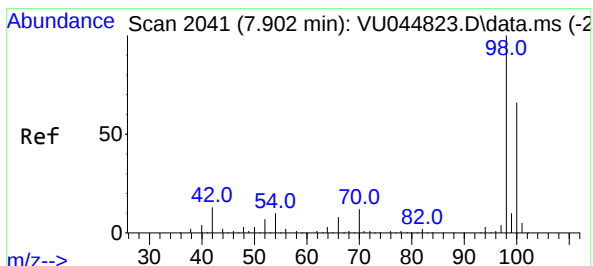
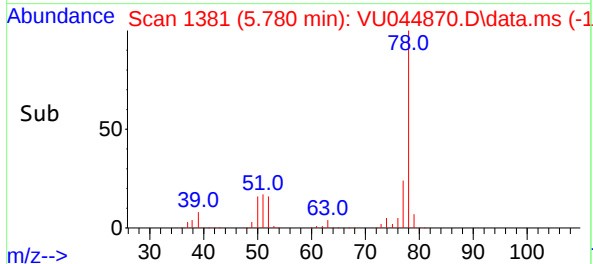
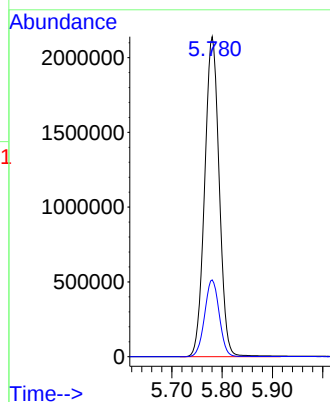
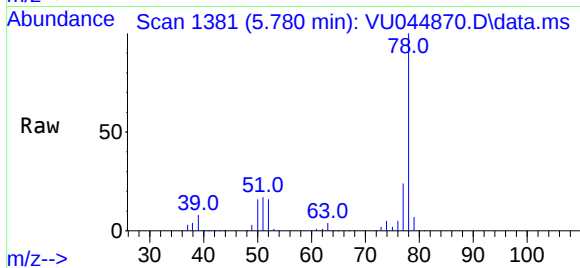
Lab File: VU044870.D

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20897

Tgt Ion: 78 Resp: 4299691

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7



#50

Toluene-d8

Concen: 48.714 ug/l

RT: 7.902 min Scan# 2041

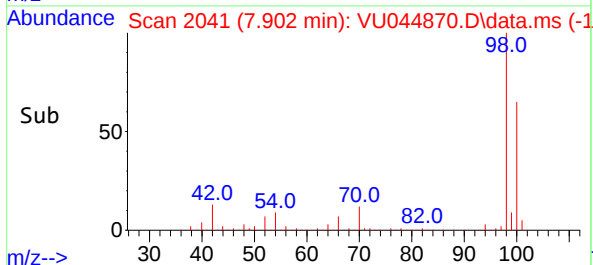
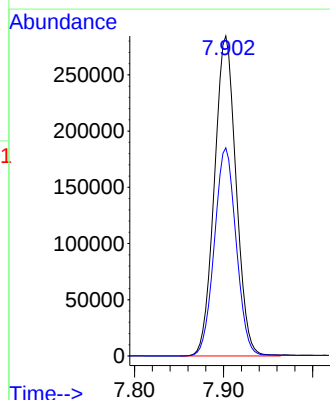
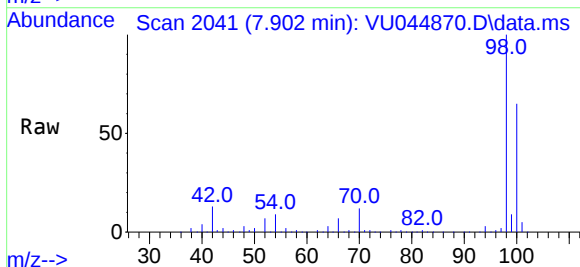
Delta R.T. -0.000 min

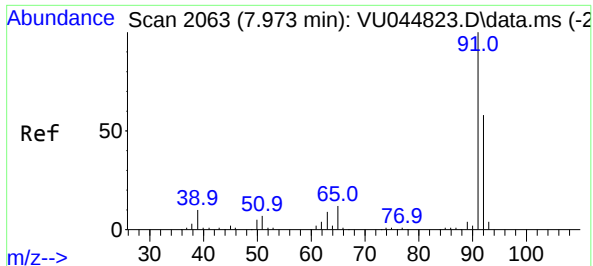
Lab File: VU044870.D

Acq: 26 Sep 2021 05:04

Tgt Ion: 98 Resp: 481235

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7

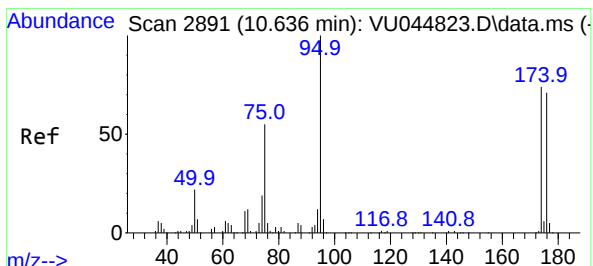
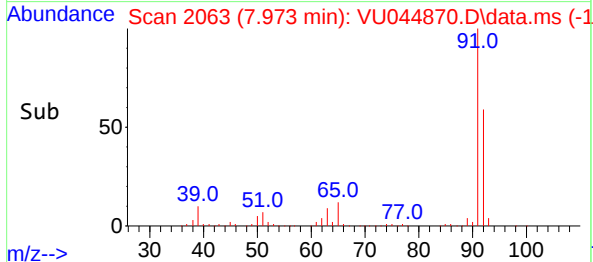
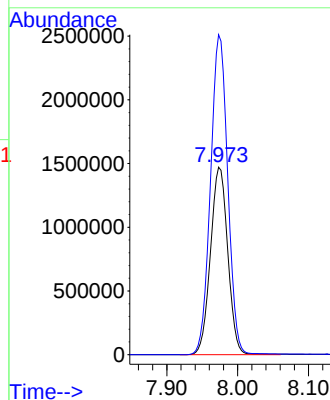
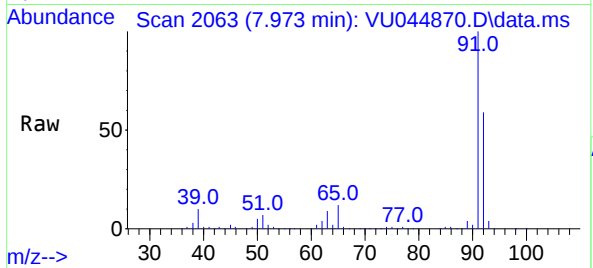




#52
Toluene
Concen: 338.749 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

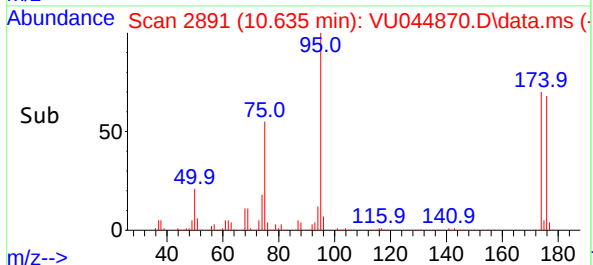
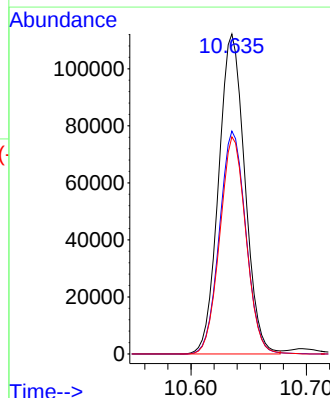
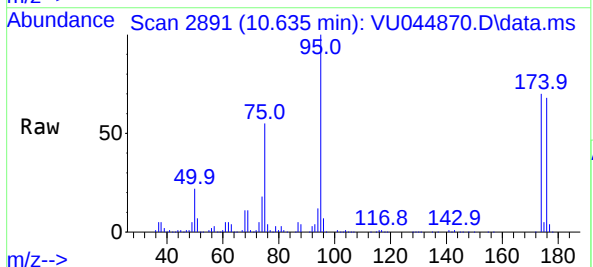
Instrument :
MSVOA_U
ClientSampleId :
20897

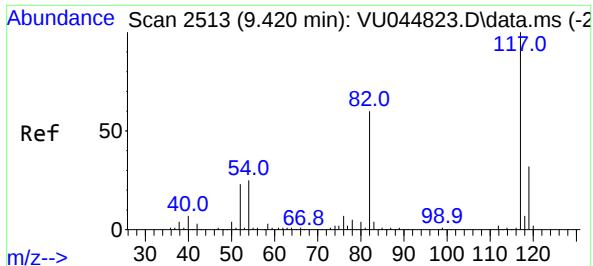
Tgt Ion: 92 Resp: 2497962
Ion Ratio Lower Upper
92 100
91 170.8 136.9 205.3



#62
4-Bromofluorobenzene
Concen: 48.207 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

Tgt Ion: 95 Resp: 176881
Ion Ratio Lower Upper
95 100
174 70.1 0.0 146.6
176 67.6 0.0 141.2

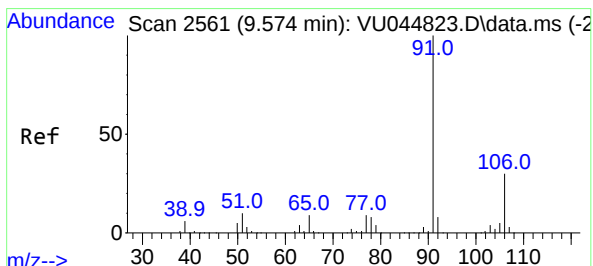
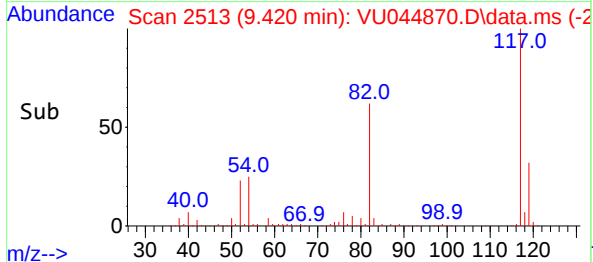
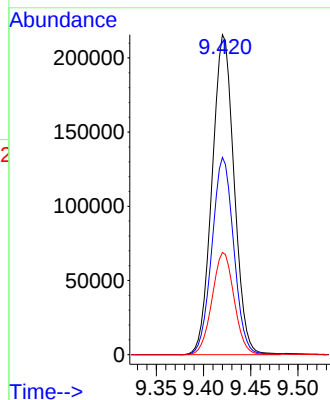
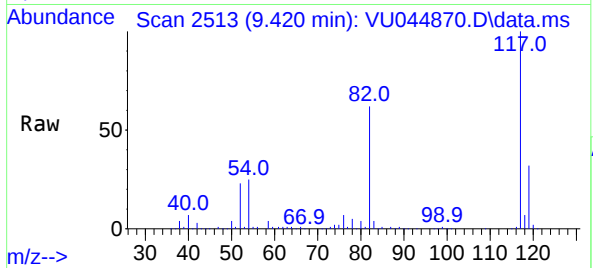




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

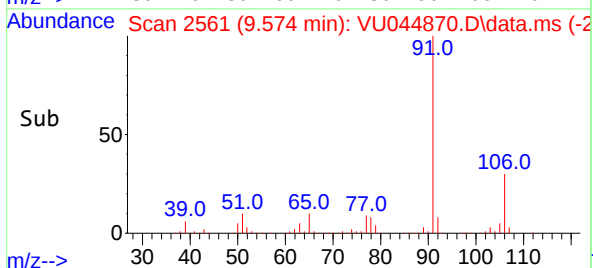
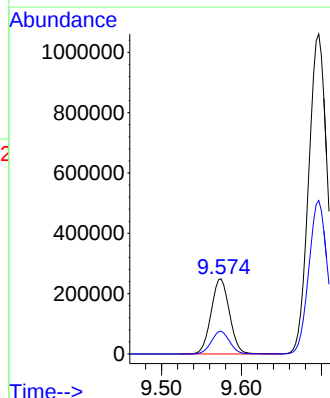
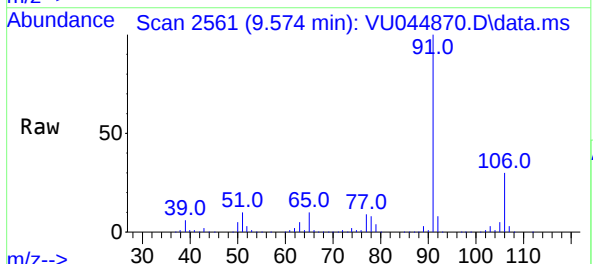
Instrument :
MSVOA_U
ClientSampleId :
20897

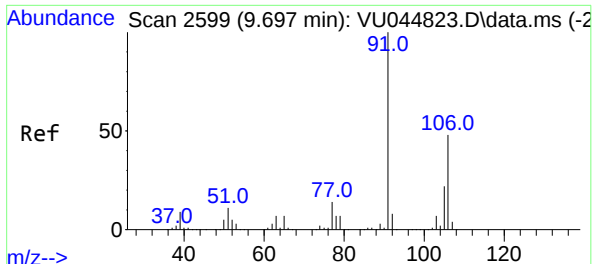
Tgt Ion:117 Resp: 349851
Ion Ratio Lower Upper
117 100
82 61.6 47.8 71.8
119 31.9 25.8 38.6



#67
Ethyl Benzene
Concen: 30.677 ug/l
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

Tgt Ion: 91 Resp: 397677
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5

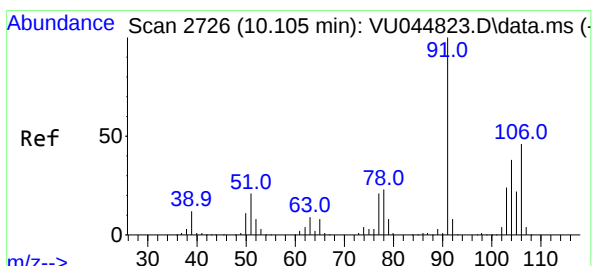
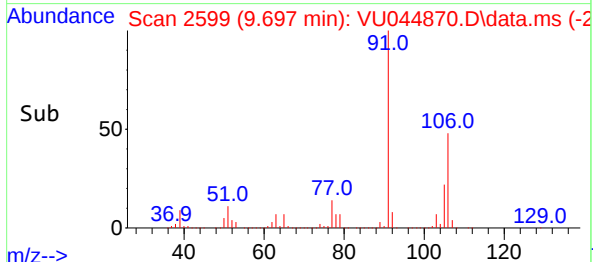
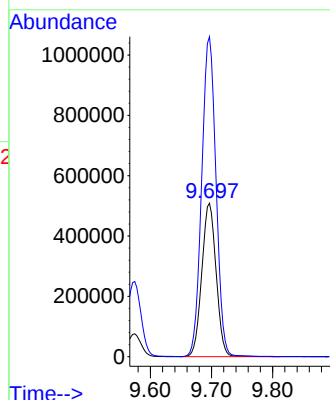
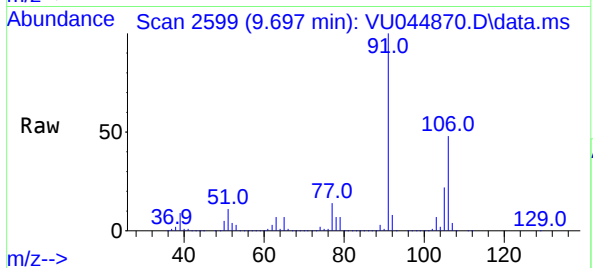




#68
m/p-Xylenes
Concen: 166.620 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

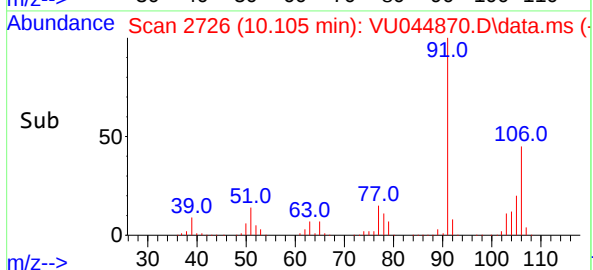
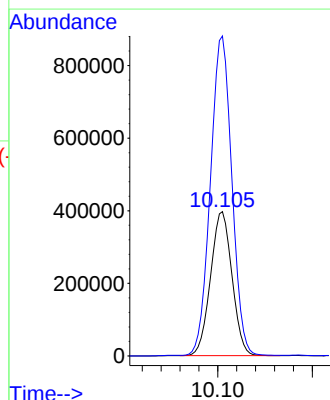
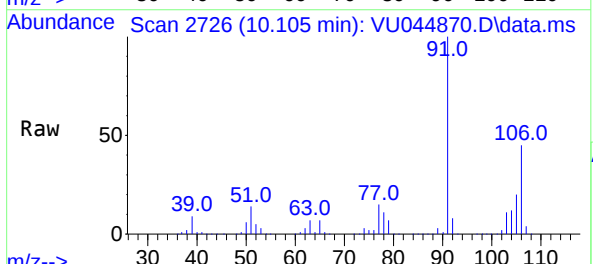
Instrument :
MSVOA_U
ClientSampled :
20897

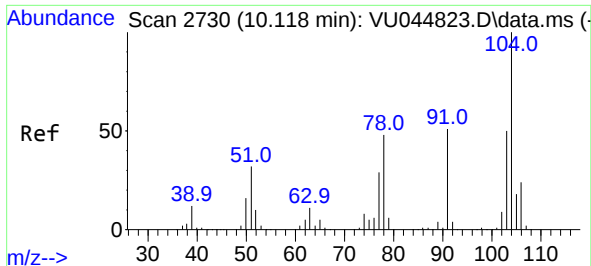
Tgt Ion:106 Resp: 826105
Ion Ratio Lower Upper
106 100
91 209.1 164.2 246.2



#69
o-Xylene
Concen: 130.184 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

Tgt Ion:106 Resp: 624135
Ion Ratio Lower Upper
106 100
91 221.5 108.9 326.7

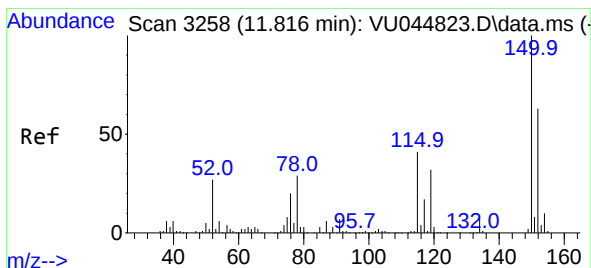
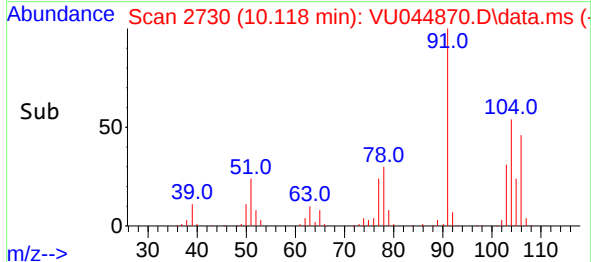
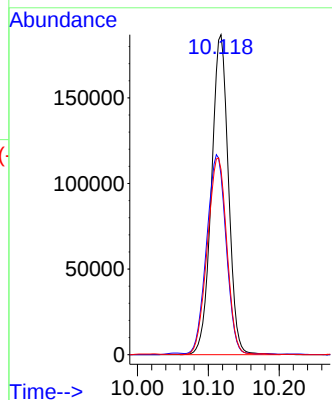
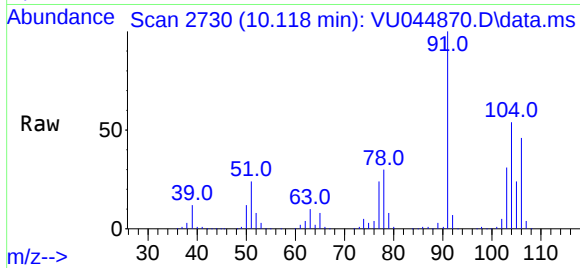




#70
Styrene
Concen: 34.922 ug/l
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

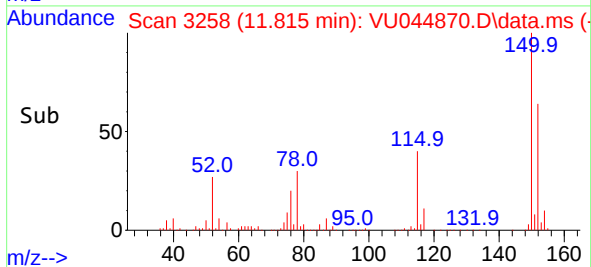
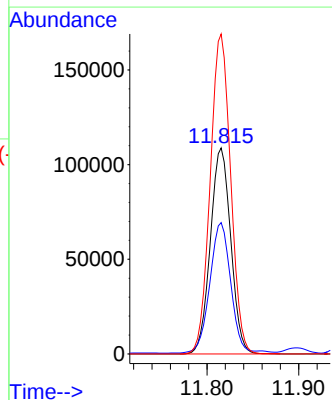
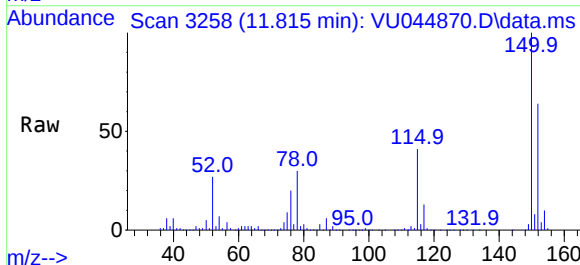
Instrument :
MSVOA_U
ClientSampled :
20897

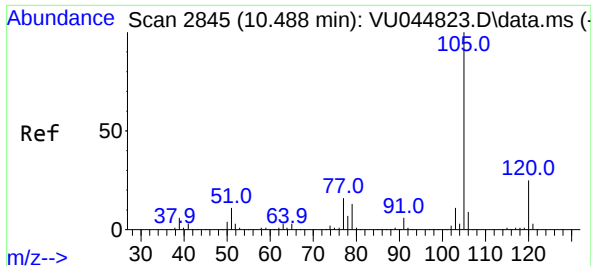
Tgt Ion:104 Resp: 310132
Ion Ratio Lower Upper
104 100
78 71.1 41.4 62.0#
103 70.4 43.5 65.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

Tgt Ion:152 Resp: 168271
Ion Ratio Lower Upper
152 100
115 64.6 43.5 130.7
150 155.5 0.0 350.0

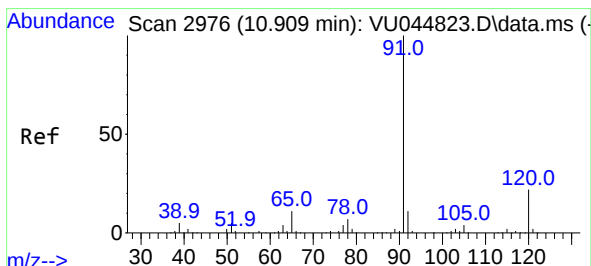
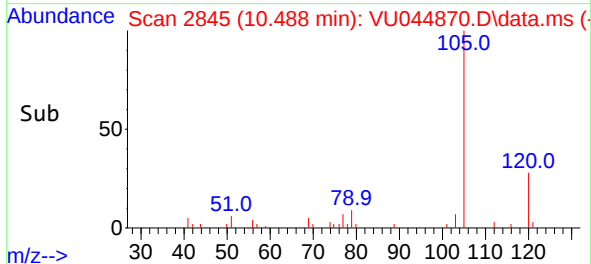
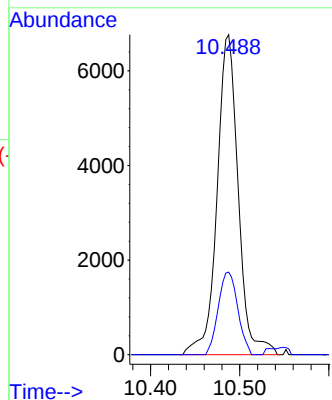
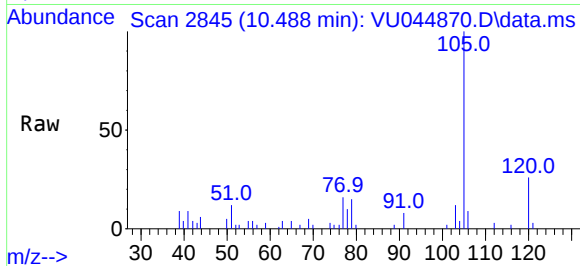




#73
Isopropylbenzene
Concen: 0.935 ug/l
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

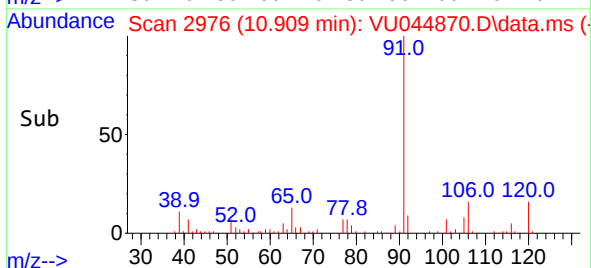
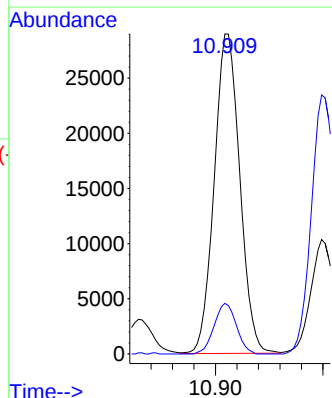
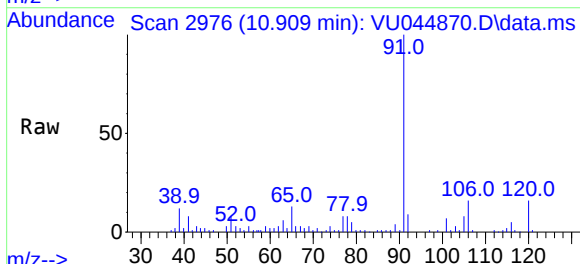
Instrument :
MSVOA_U
ClientSampled :
20897

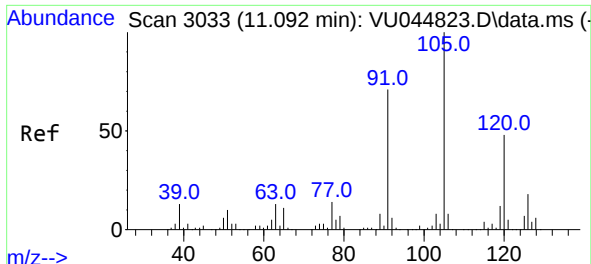
Tgt Ion:105 Resp: 11170
Ion Ratio Lower Upper
105 100
120 23.7 12.8 38.3



#78
n-propylbenzene
Concen: 3.306 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

Tgt Ion: 91 Resp: 47846
Ion Ratio Lower Upper
91 100
120 13.8 10.8 32.4

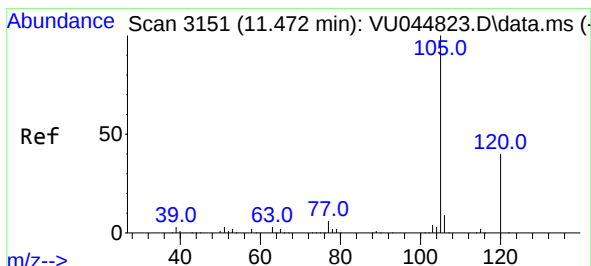
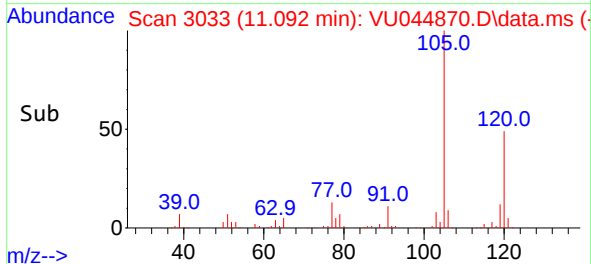
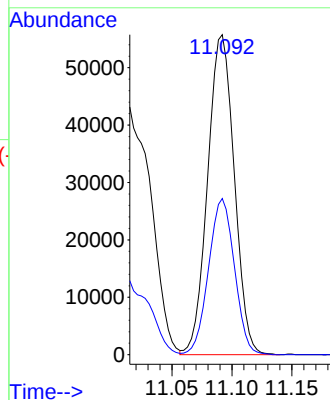
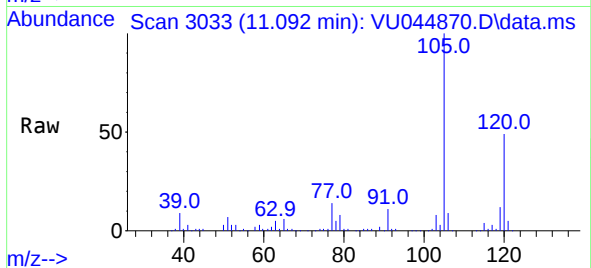




#80
1,3,5-Trimethylbenzene
Concen: 8.517 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

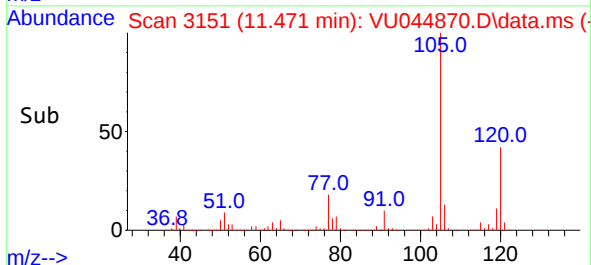
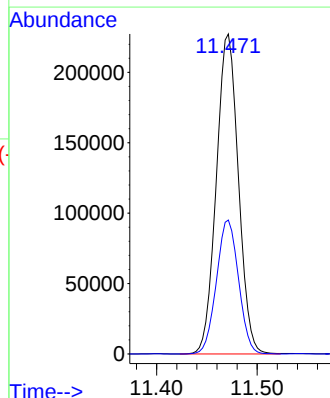
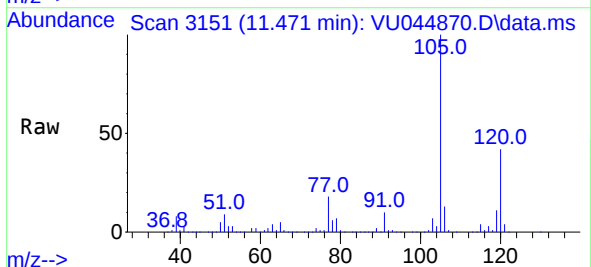
Instrument :
MSVOA_U
ClientSampleId :
20897

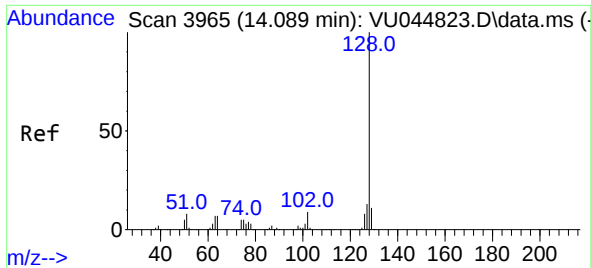
Tgt Ion:105 Resp: 86162
Ion Ratio Lower Upper
105 100
120 47.4 24.1 72.2



#84
1,2,4-Trimethylbenzene
Concen: 34.777 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

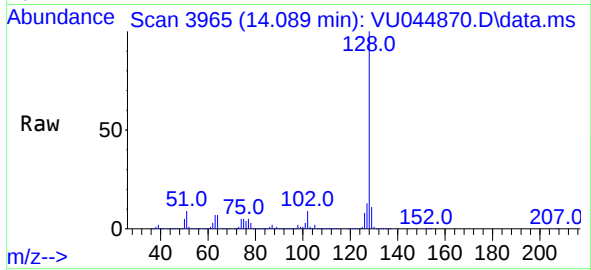
Tgt Ion:105 Resp: 346848
Ion Ratio Lower Upper
105 100
120 41.9 22.4 67.3





#95
Naphthalene
Concen: 235.661 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU044870.D
Acq: 26 Sep 2021 05:04

Instrument :
MSVOA_U
ClientSampleId :
20897



Tgt Ion:128 Resp: 3087629

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

