

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040521\
 Data File : VU042935.D
 Acq On : 05 Apr 2021 16:57
 Operator : SY/MD
 Sample : M1903-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 06 01:20:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 25 05:42:00 2021
 Response via : Initial Calibration

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

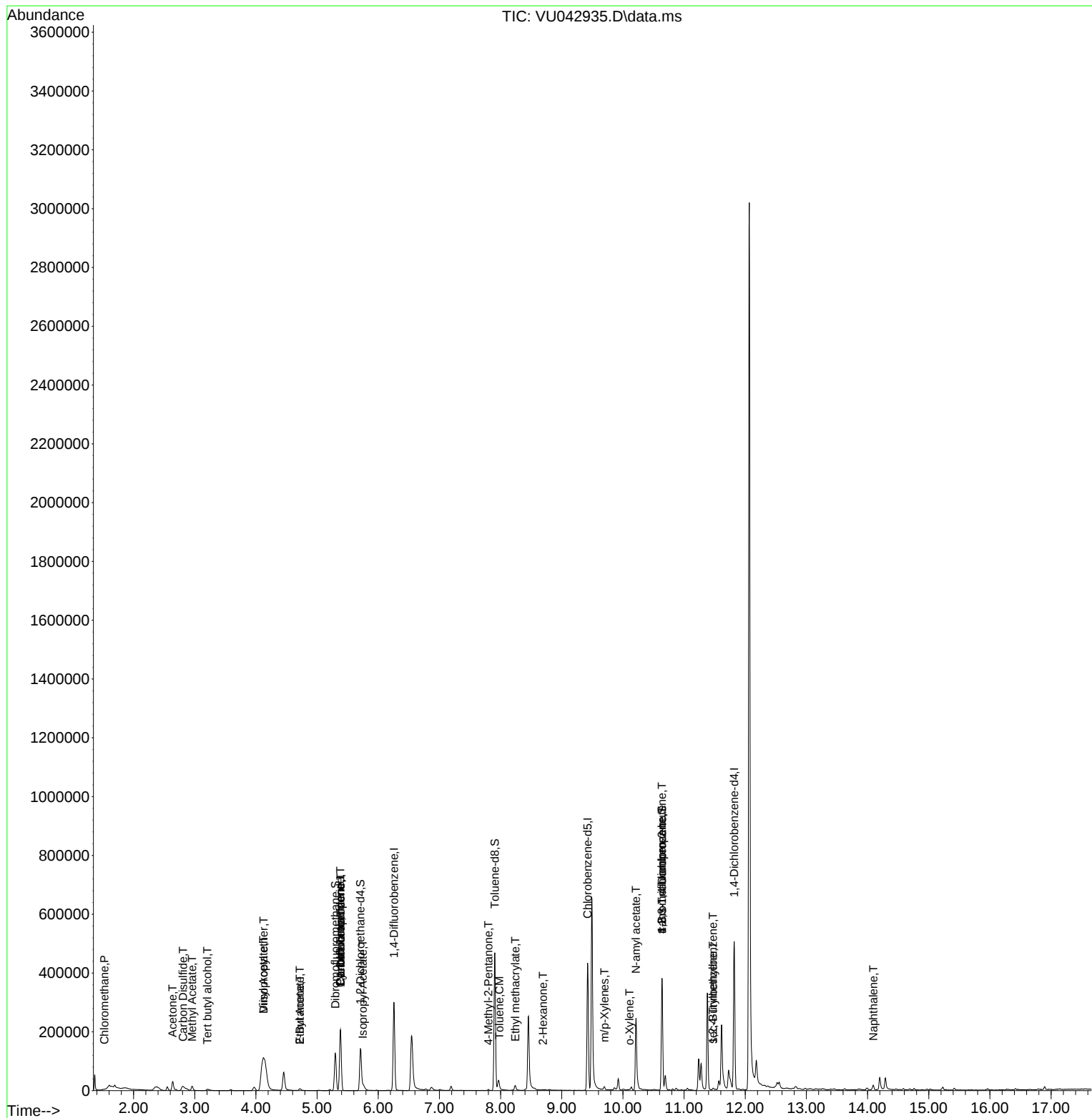
Internal Standards						
1) Pentafluorobenzene	5.382	168	140569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	223457	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	216635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	119011	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	110532	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
35) Dibromofluoromethane	5.298	113	77845	46.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.36%	
50) Toluene-d8	7.906	98	285303	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	10.639	95	114461	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.40%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	482	0.27	ug/l #	52
5) Bromomethane	1.867	94	162	Below	Cal	91
6) Chloroethane	2.154	64	220	Below	Cal #	43
11) Tert butyl alcohol	3.208	59	9238	19.28	ug/l #	87
13) Acrolein	2.485	56	79	Below	Cal #	1
16) Acetone	2.639	43	39356	22.25	ug/l	96
17) Carbon Disulfide	2.806	76	2206	0.61	ug/l #	75
18) Methyl Acetate	2.957	43	21415	8.34	ug/l	95
22) Diisopropyl ether	4.125	45	18064	3.22	ug/l #	1
23) Vinyl Acetate	4.121	43	46236	8.86	ug/l #	76
25) 2-Butanone	4.716	43	10907	5.98	ug/l	95
31) Cyclohexane	5.385	56	3585	1.29	ug/l #	27
36) 1,1-Dichloropropene	5.385	75	11270	5.10	ug/l #	48
37) Ethyl Acetate	4.716	43	10907	3.18	ug/l #	72
38) Carbon Tetrachloride	5.382	117	13489	5.35	ug/l #	17
43) Isopropyl Acetate	5.745	43	7759	1.50	ug/l #	65
49) 1,4-Dioxane	6.993	88	353	Below	Cal #	62
51) 4-Methyl-2-Pentanone	7.803	43	3004	0.83	ug/l #	87
52) Toluene	7.980	92	1272	0.31	ug/l	94
56) Ethyl methacrylate	8.243	69	3768	1.42	ug/l #	77
59) 2-Hexanone	8.693	43	1173	0.41	ug/l	91
68) m/p-Xylenes	9.700	106	1545	0.53	ug/l	98
69) o-Xylene	10.108	106	697	0.25	ug/l	82
74) N-amyl acetate	10.214	43	58723	13.81	ug/l #	1
76) 1,2,3-Trichloropropane	10.639	75	64944	21.46	ug/l #	37
81) trans-1,4-Dichloro-2-b...	10.639	75	64944	63.57	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.475	105	2113	0.32	ug/l	75
85) sec-Butylbenzene	11.475	105	2113	0.29	ug/l #	57
95) Naphthalene	14.095	128	10471	3.81	ug/l	98

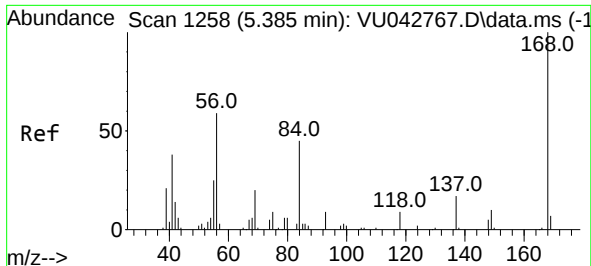
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040521\
Data File : VU042935.D
Acq On : 05 Apr 2021 16:57
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 25 05:42:00 2021
Response via : Initial Calibration

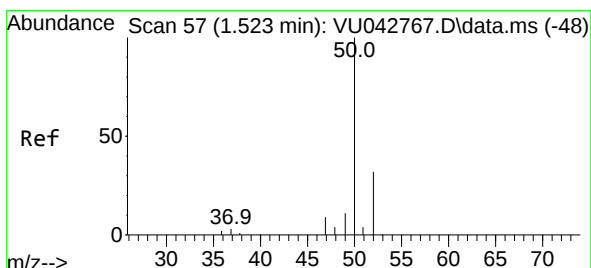
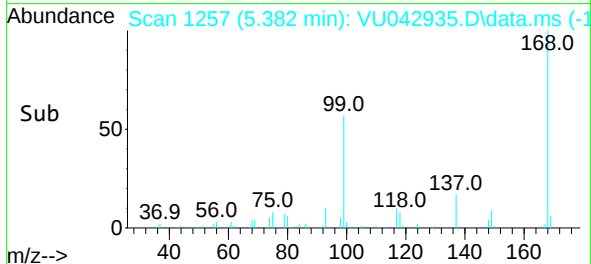
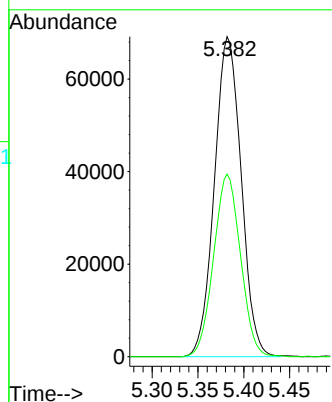
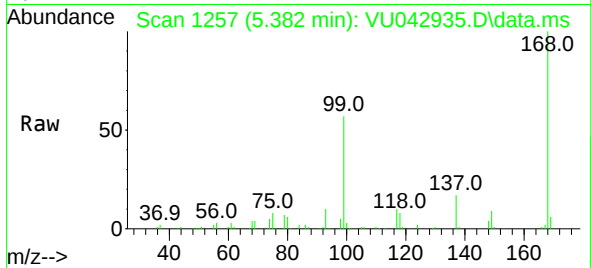




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

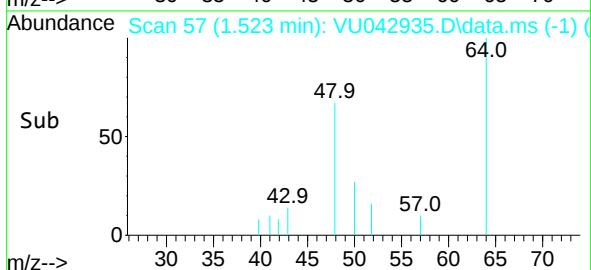
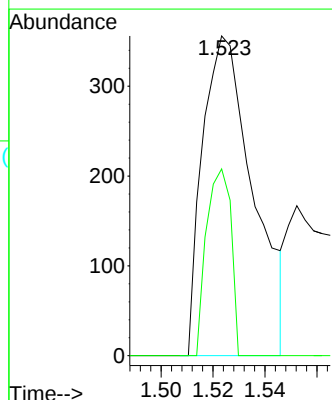
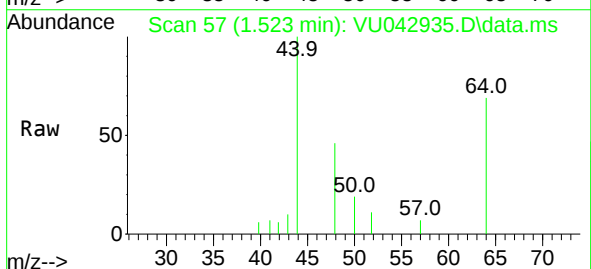
Instrument :
MSVOA_U
ClientSampleId :

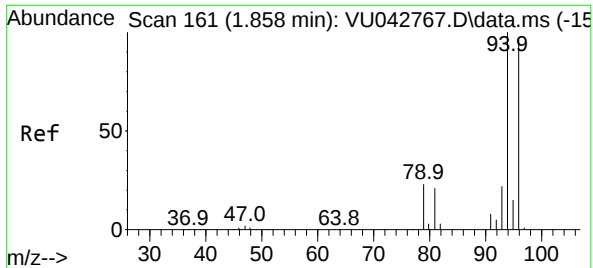
Tgt Ion:168 Resp: 140569
Ion Ratio Lower Upper
168 100
99 57.1 46.4 69.6



#3
Chloromethane
Concen: 0.27 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

Tgt Ion: 50 Resp: 482
Ion Ratio Lower Upper
50 100
52 58.4 25.4 38.0#





#5

Bromomethane

Concen: Below Cal

RT: 1.867 min Scan# 164

Delta R.T. 0.009 min

Lab File: VU042935.D

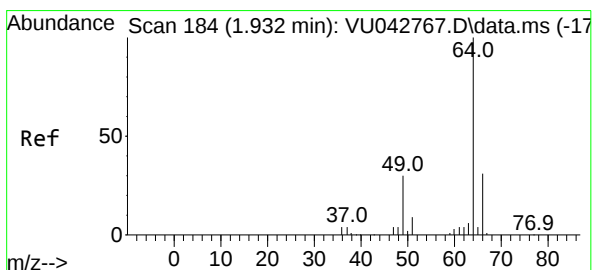
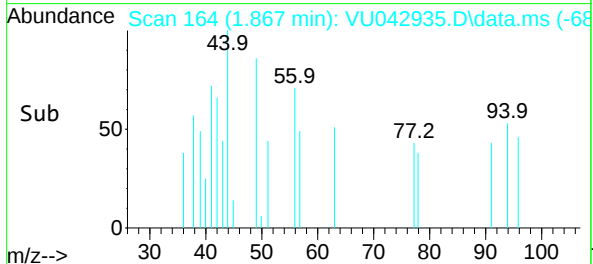
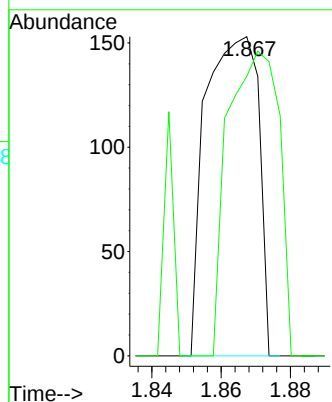
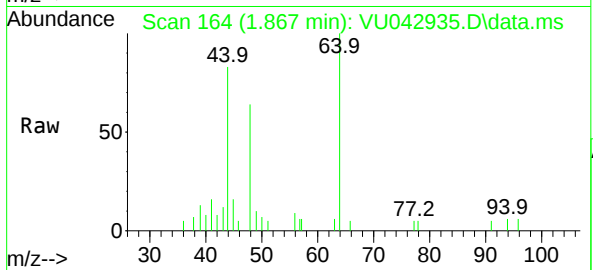
Acq: 05 Apr 2021 16:57

Tgt Ion: 94 Resp: 162

Ion Ratio Lower Upper

94 100

96 87.6 77.1 115.7



#6

Chloroethane

Concen: Below Cal

RT: 2.154 min Scan# 253

Delta R.T. 0.222 min

Lab File: VU042935.D

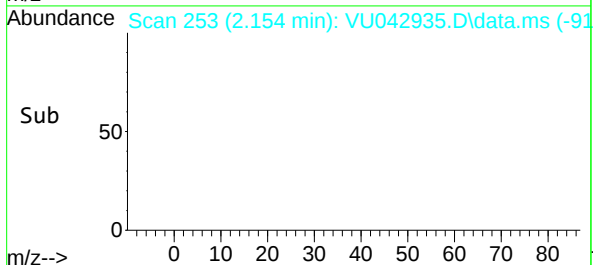
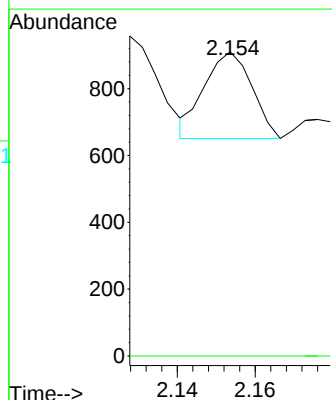
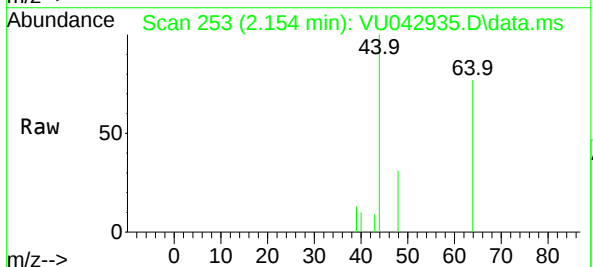
Acq: 05 Apr 2021 16:57

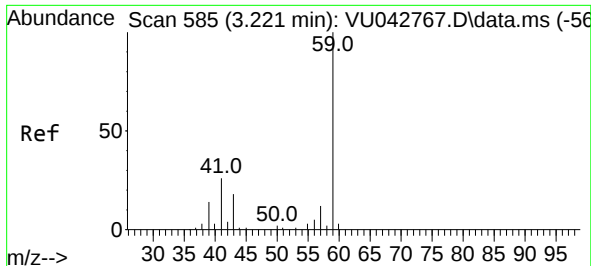
Tgt Ion: 64 Resp: 220

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



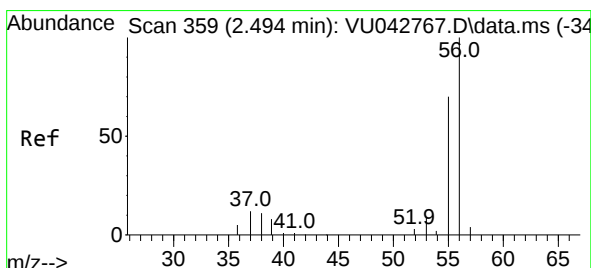
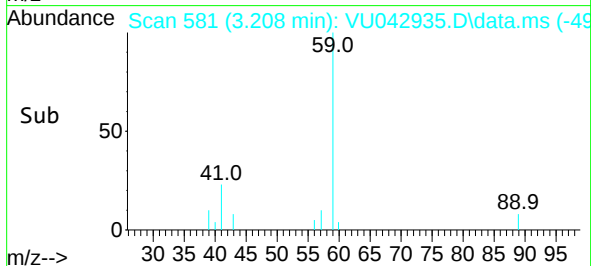
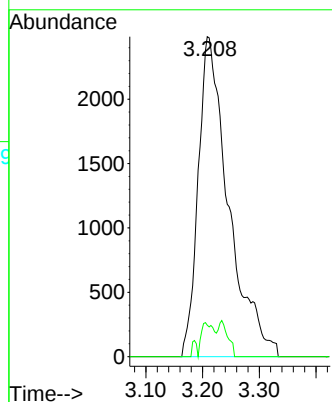
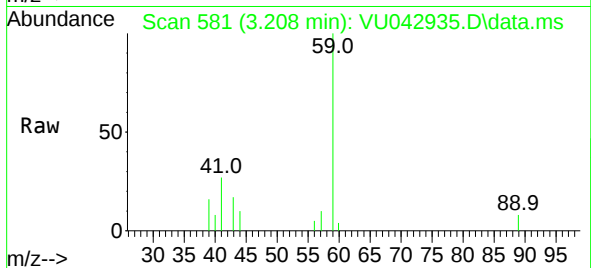


#11

Tert butyl alcohol
Concen: 19.28 ug/l
RT: 3.208 min Scan# 581
Delta R.T. -0.013 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

Instrument :
MSVOA_U
ClientSampled :

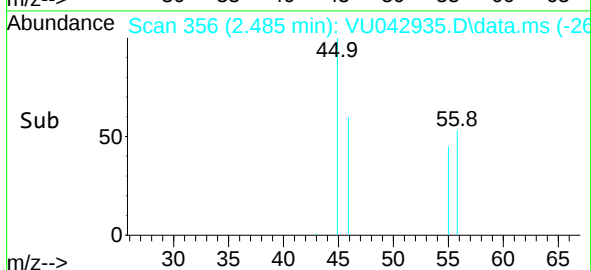
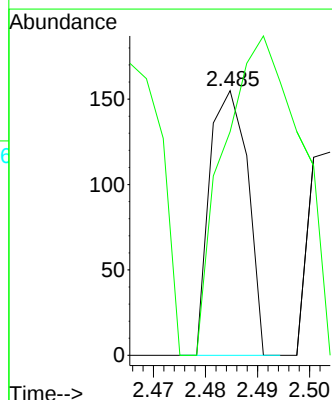
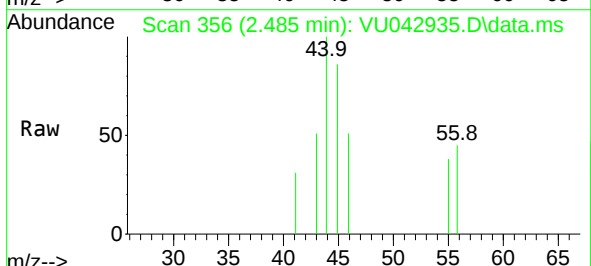
Tgt Ion: 59 Resp: 9238
Ion Ratio Lower Upper
59 100
57 4.5 7.4 11.2#

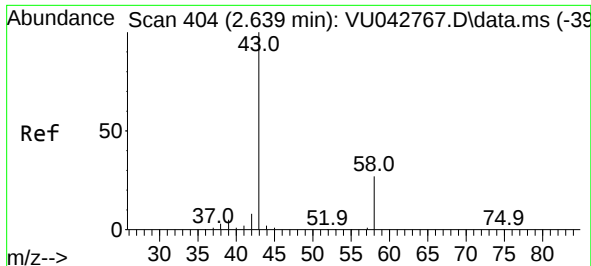


#13

Acrolein
Concen: Below Cal
RT: 2.485 min Scan# 356
Delta R.T. -0.009 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 243.0 55.8 83.8#

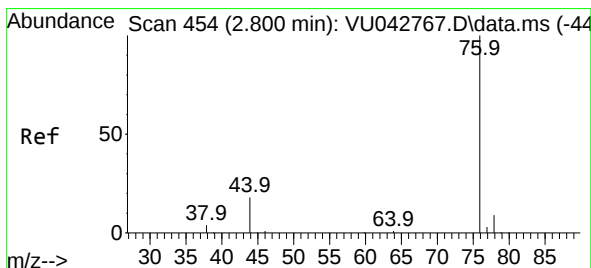
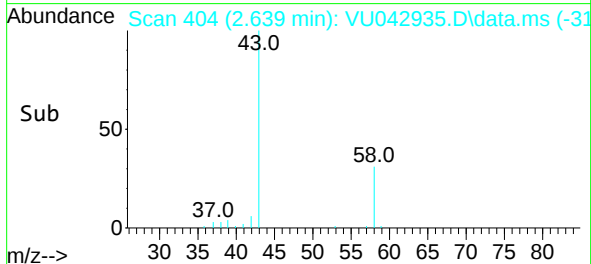
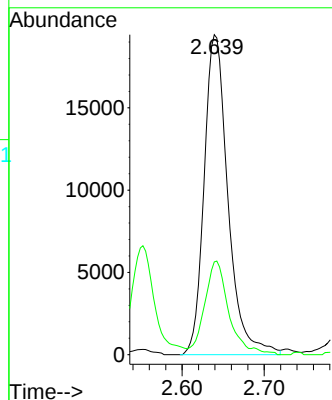
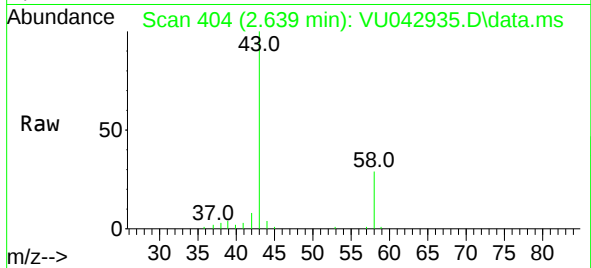




#16
Acetone
Concen: 22.25 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.000 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

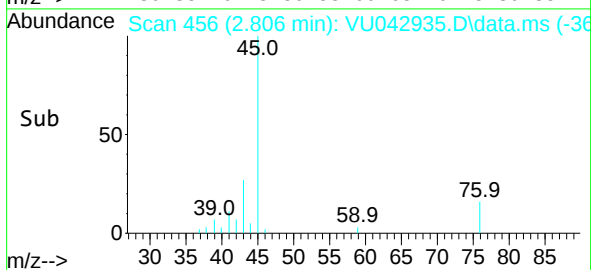
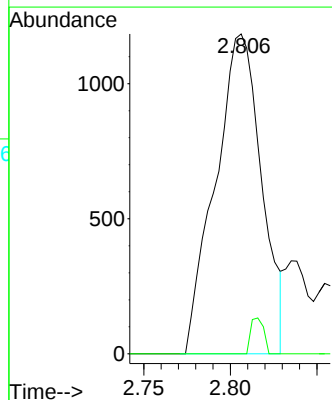
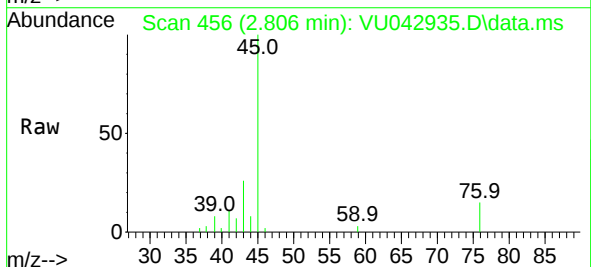
Instrument :
MSVOA_U
ClientSampleId :

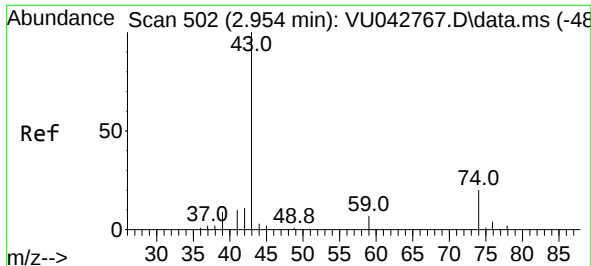
Tgt Ion: 43 Resp: 39356
Ion Ratio Lower Upper
43 100
58 29.0 21.6 32.4



#17
Carbon Disulfide
Concen: 0.61 ug/l
RT: 2.806 min Scan# 456
Delta R.T. 0.006 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

Tgt Ion: 76 Resp: 2206
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

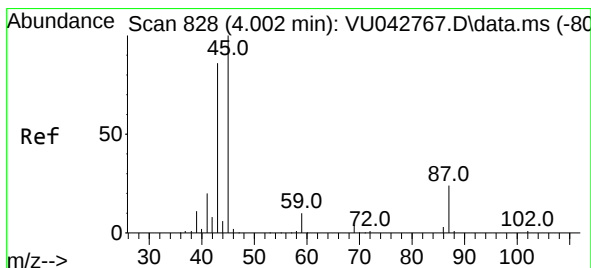
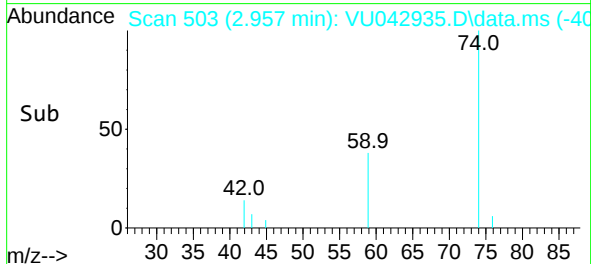
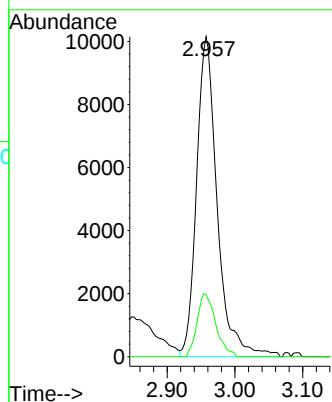
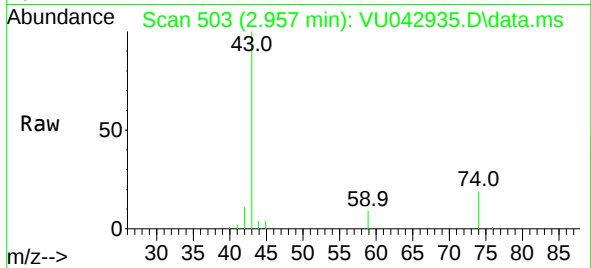




#18
Methyl Acetate
Concen: 8.34 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

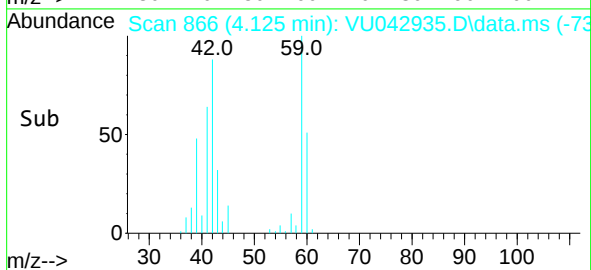
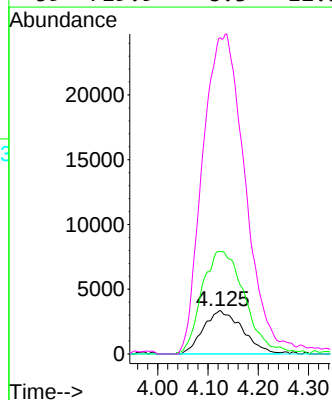
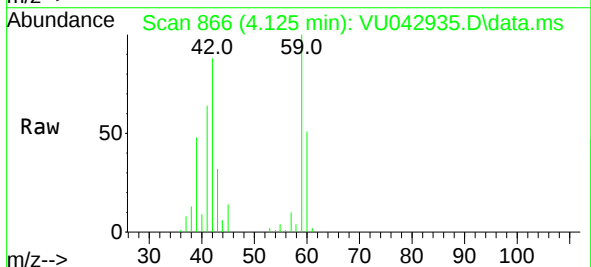
Instrument :
MSVOA_U
ClientSampleId :

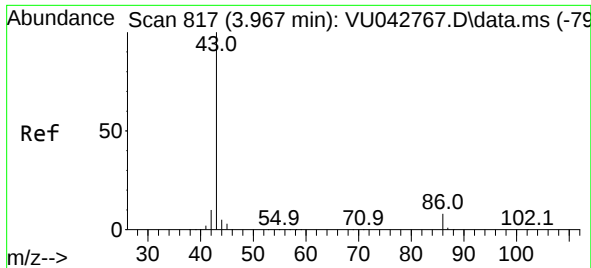
Tgt Ion: 43 Resp: 21415
Ion Ratio Lower Upper
43 100
74 17.8 16.2 24.4



#22
Diisopropyl ether
Concen: 3.22 ug/l
RT: 4.125 min Scan# 866
Delta R.T. 0.122 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

Tgt Ion: 45 Resp: 18064
Ion Ratio Lower Upper
45 100
43 231.2 68.6 102.8#
87 0.0 19.1 28.7#
59 719.9 8.3 12.5#

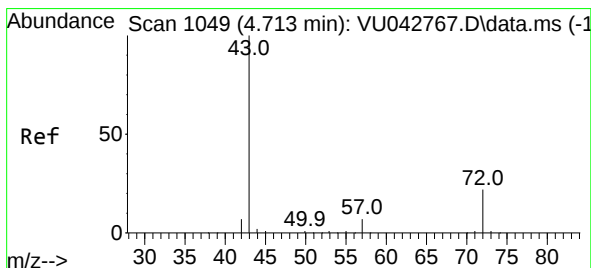
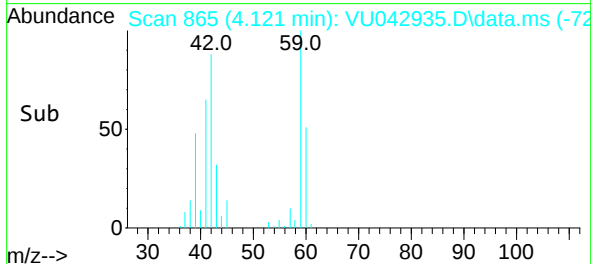
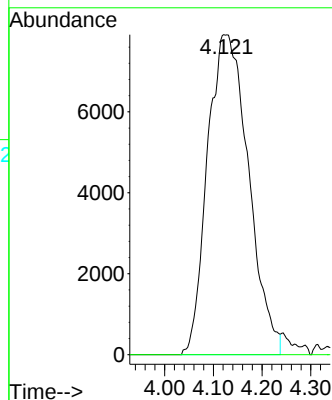
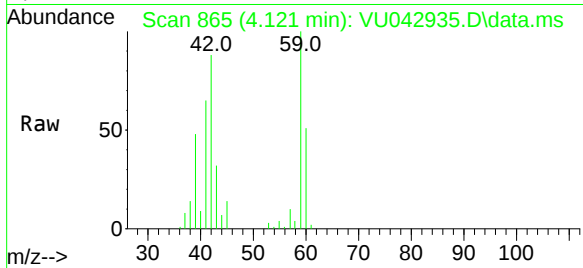




#23
 Vinyl Acetate
 Concen: 8.86 ug/l
 RT: 4.121 min Scan# 865
 Delta R.T. 0.154 min
 Lab File: VU042935.D
 Acq: 05 Apr 2021 16:57

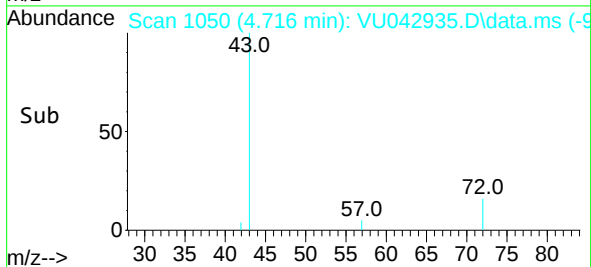
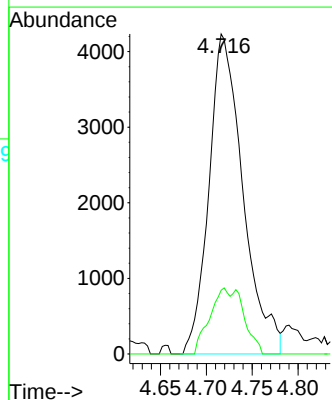
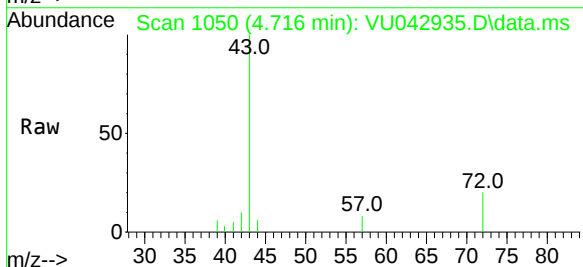
Instrument :
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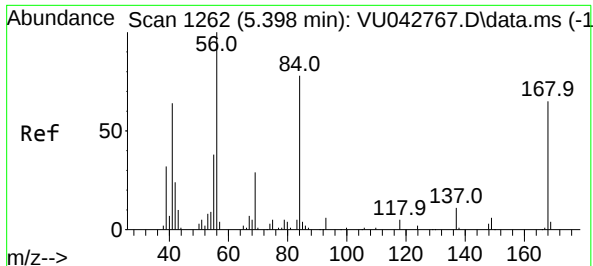
Tgt Ion: 43 Resp: 46236
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.7 10.1#



#25
 2-Butanone
 Concen: 5.98 ug/l
 RT: 4.716 min Scan# 1050
 Delta R.T. 0.003 min
 Lab File: VU042935.D
 Acq: 05 Apr 2021 16:57

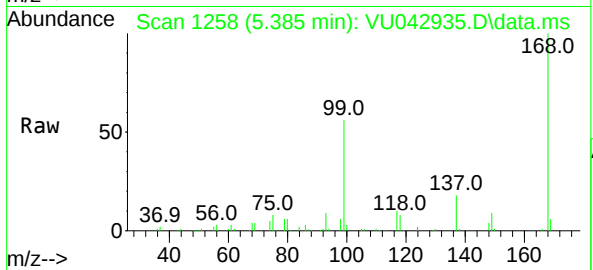
Tgt Ion: 43 Resp: 10907
 Ion Ratio Lower Upper
 43 100
 72 19.9 17.7 26.5



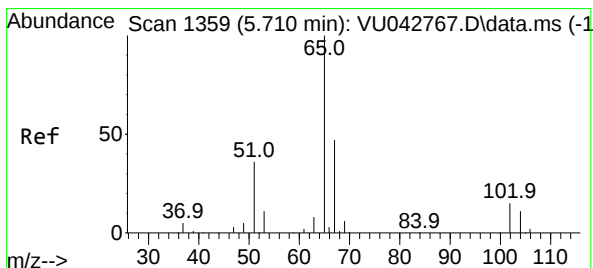
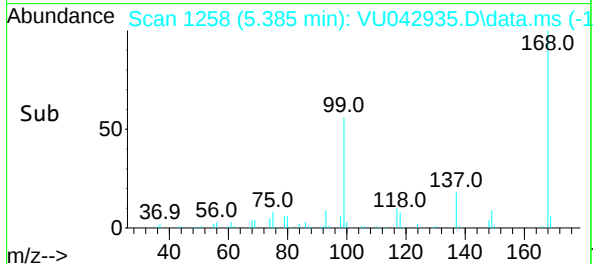
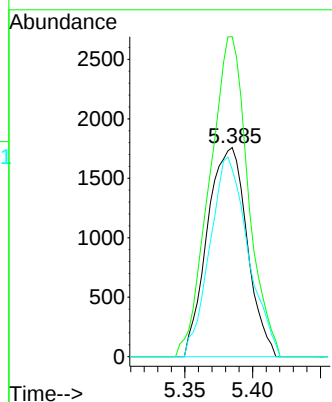


#31
Cyclohexane
Concen: 1.29 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.013 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

Instrument :
MSVOA_U
ClientSampleId :

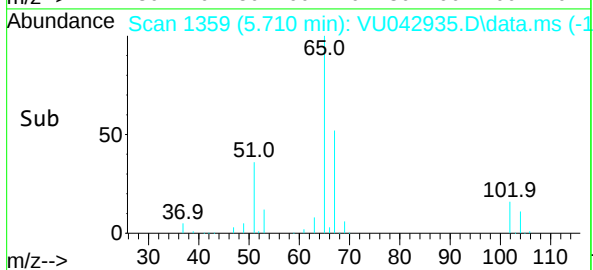
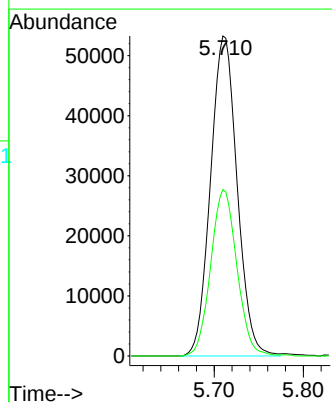
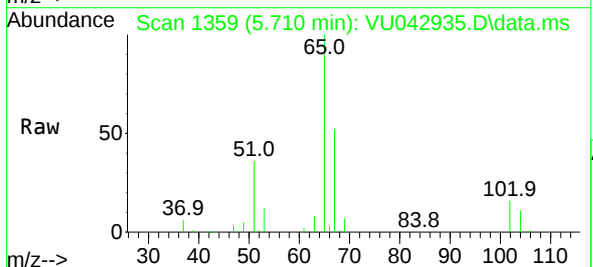


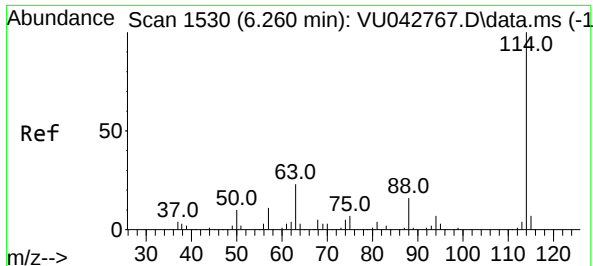
Tgt Ion: 56 Resp: 3585
Ion Ratio Lower Upper
56 100
69 153.1 23.3 34.9#
84 89.5 62.2 93.4



#33
1,2-Dichloroethane-d4
Concen: 49.33 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

Tgt Ion: 65 Resp: 110532
Ion Ratio Lower Upper
65 100
67 51.1 0.0 98.8

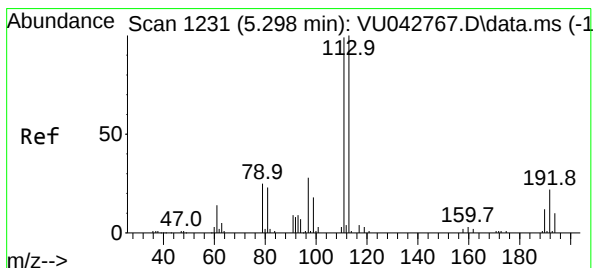
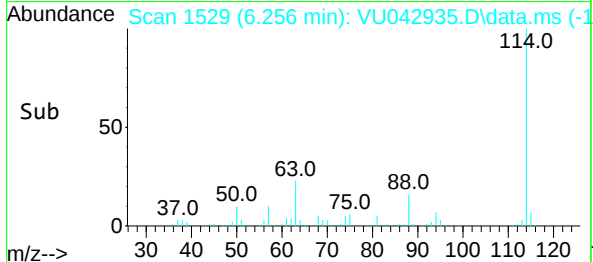
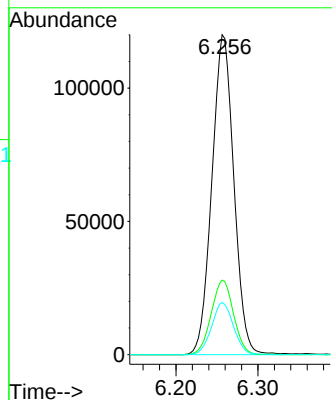
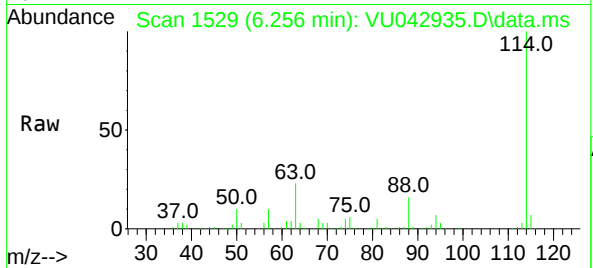




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. -0.004 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

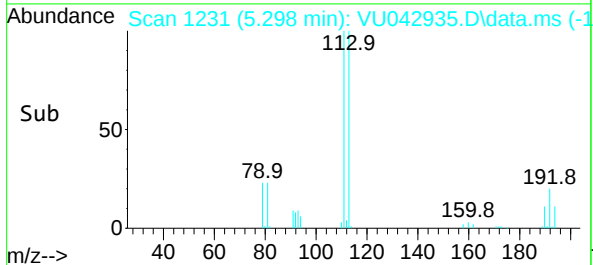
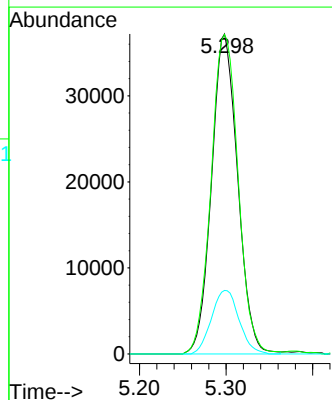
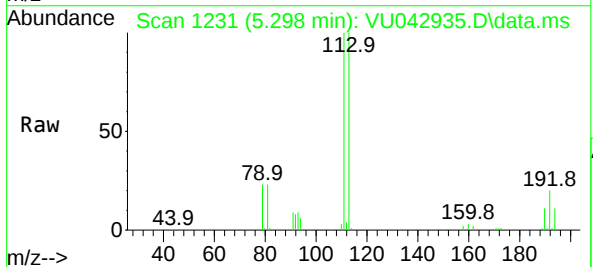
Instrument :
MSVOA_U
ClientSampleId :

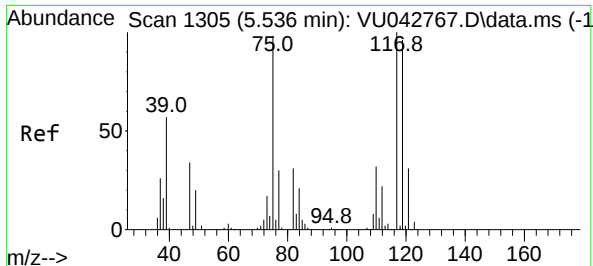
Tgt Ion:114 Resp: 223457
Ion Ratio Lower Upper
114 100
63 23.3 0.0 46.8
88 16.3 0.0 32.2



#35
Dibromofluoromethane
Concen: 46.68 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

Tgt Ion:113 Resp: 77845
Ion Ratio Lower Upper
113 100
111 103.5 82.1 123.1
192 21.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.10 ug/l

RT: 5.385 min Scan# 1258

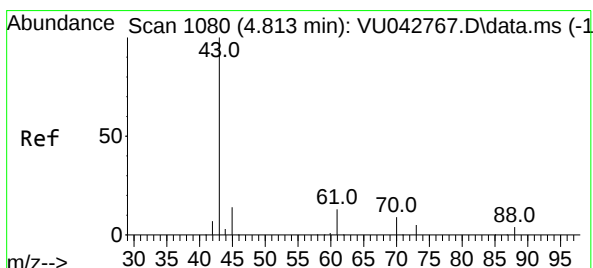
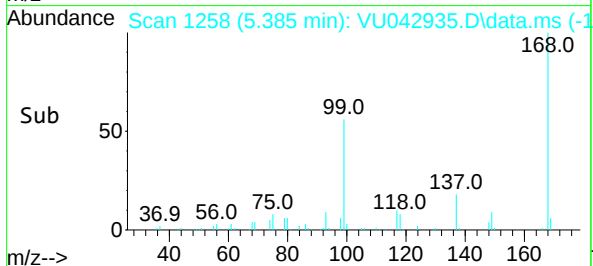
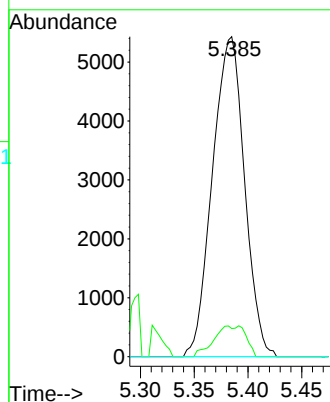
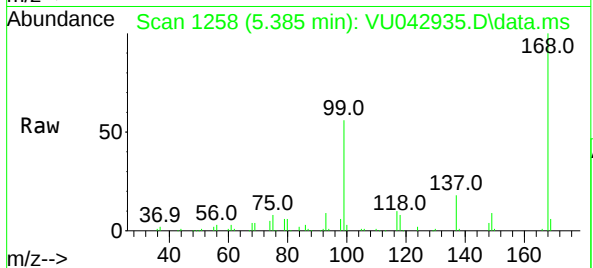
Delta R.T. -0.151 min

Lab File: VU042935.D

Acq: 05 Apr 2021 16:57

Tgt Ion:	75	Resp:	11270
Ion	Ratio	Lower	Upper
75	100		
110	5.8	16.6	49.7#
77	0.0	24.7	37.1#

Instrument :
MSVOA_U
ClientSampleId :



#37

Ethyl Acetate

Concen: 3.18 ug/l

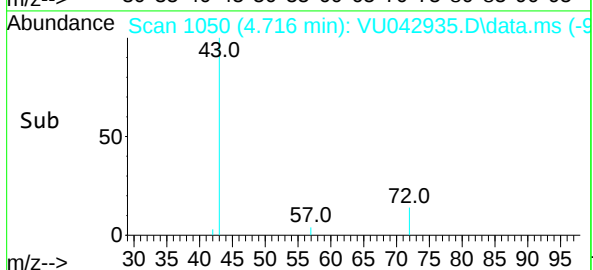
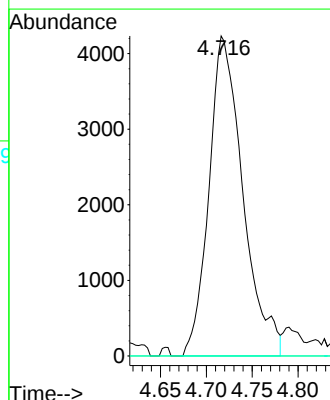
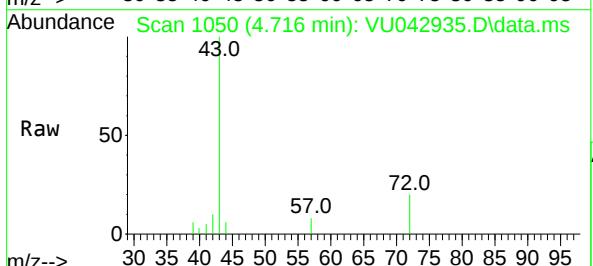
RT: 4.716 min Scan# 1050

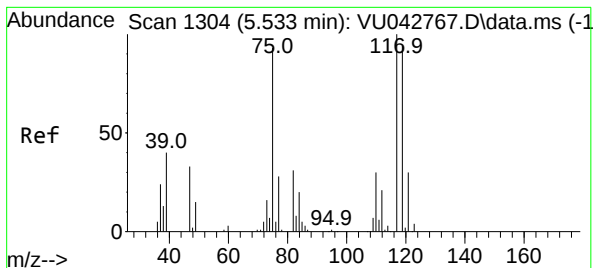
Delta R.T. -0.097 min

Lab File: VU042935.D

Acq: 05 Apr 2021 16:57

Tgt Ion:	43	Resp:	10907
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	6.6	9.8#





#38

Carbon Tetrachloride

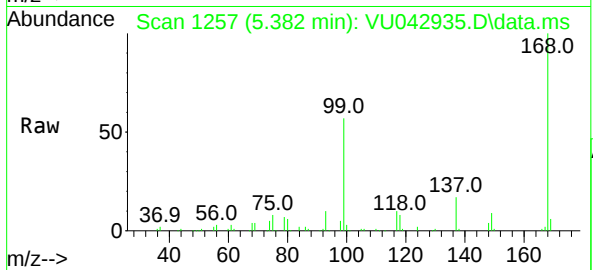
Concen: 5.35 ug/l

RT: 5.382 min Scan# 1257

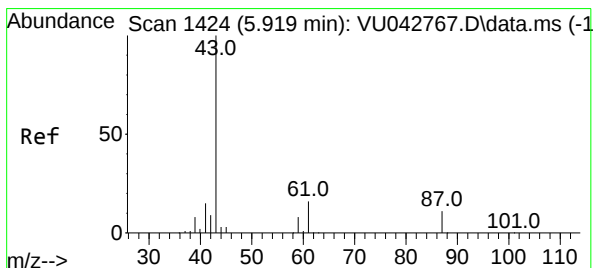
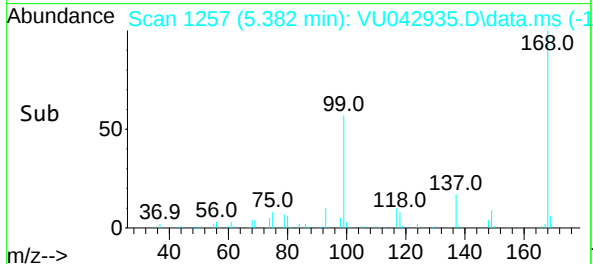
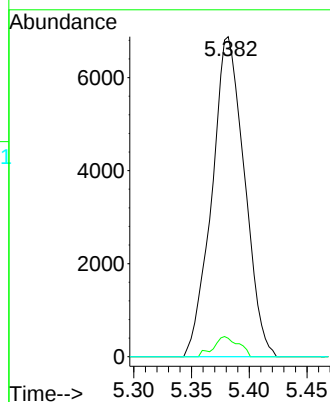
Delta R.T. -0.151 min

Lab File: VU042935.D

Acq: 05 Apr 2021 16:57



Tgt Ion:	117	Resp:	13489
Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.2	112.8#
121	0.0	24.2	36.4#



#43

Isopropyl Acetate

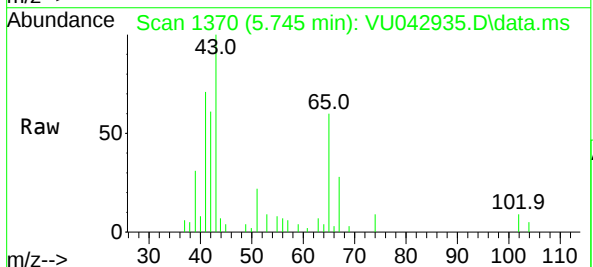
Concen: 1.50 ug/l

RT: 5.745 min Scan# 1370

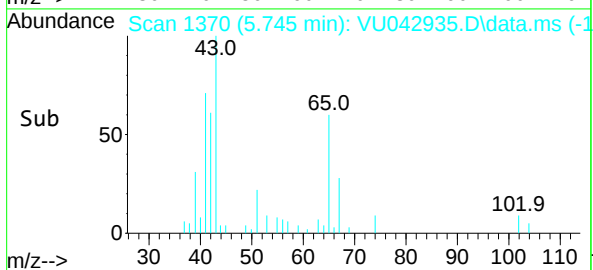
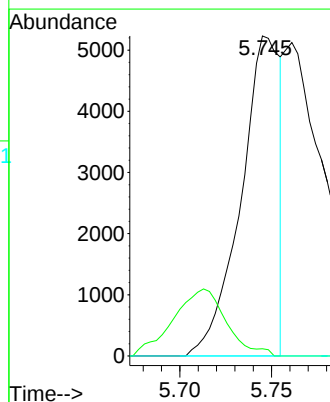
Delta R.T. -0.174 min

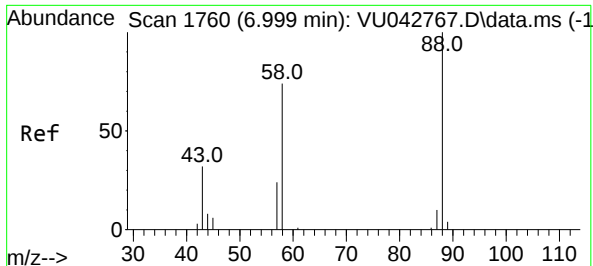
Lab File: VU042935.D

Acq: 05 Apr 2021 16:57



Tgt Ion:	43	Resp:	7759
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.4	20.0#
87	0.0	8.7	13.1#





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.993 min Scan# 1758

Delta R.T. -0.006 min

Lab File: VU042935.D

Acq: 05 Apr 2021 16:57

Tgt Ion: 88 Resp: 353

Ion Ratio Lower Upper

88 100

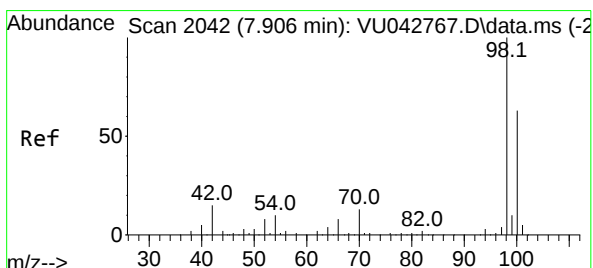
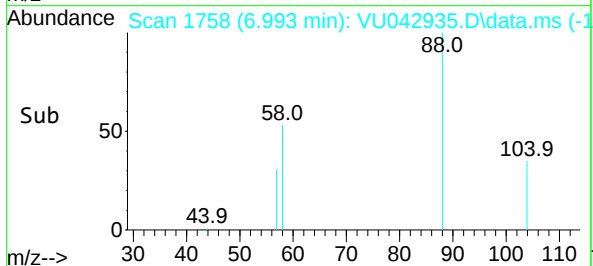
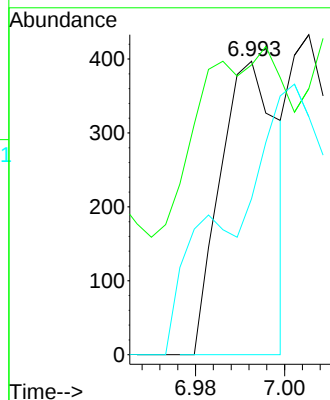
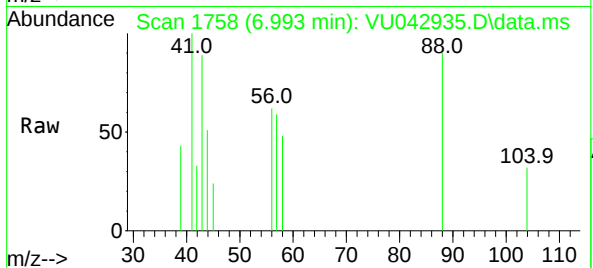
43 50.4 25.4 38.0#

58 43.9 62.5 93.7#

Instrument :

MSVOA_U

ClientSampled :



#50

Toluene-d8

Concen: 48.63 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU042935.D

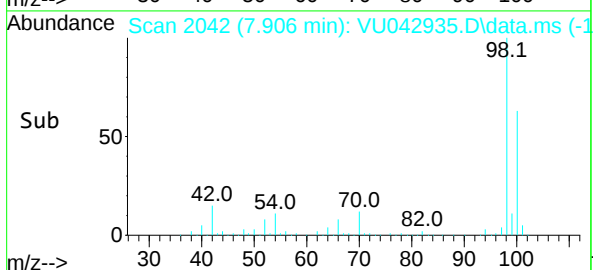
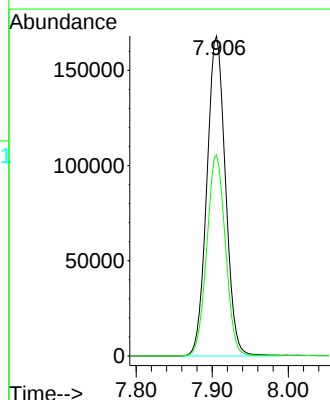
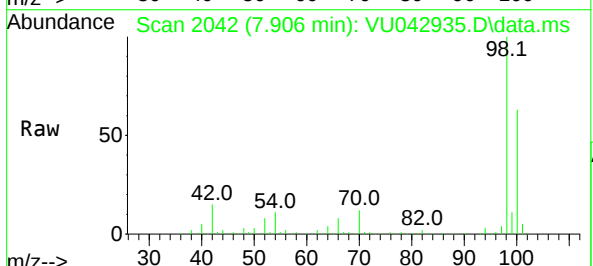
Acq: 05 Apr 2021 16:57

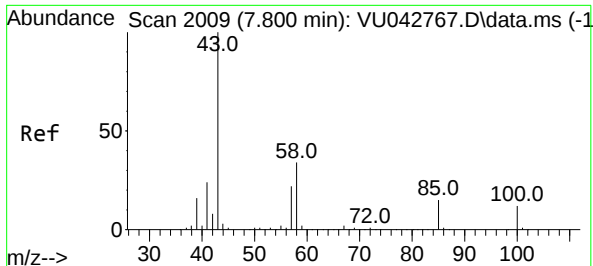
Tgt Ion: 98 Resp: 285303

Ion Ratio Lower Upper

98 100

100 62.8 50.4 75.6

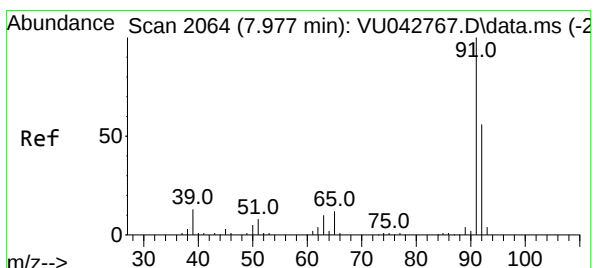
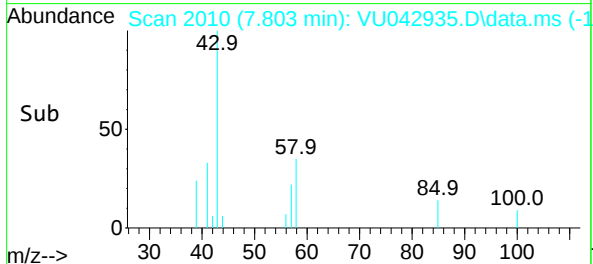
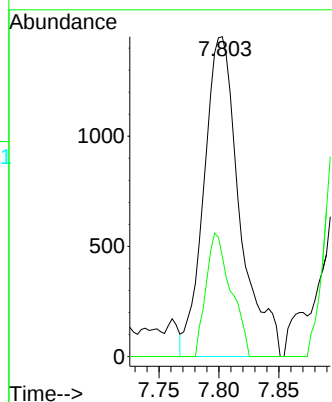
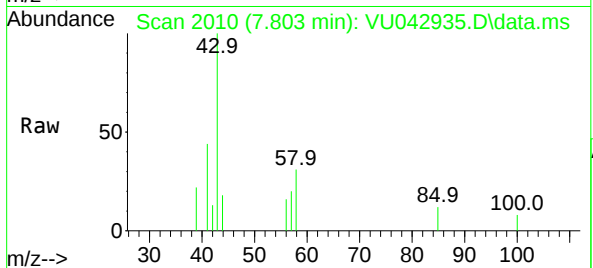




#51
4-Methyl-2-Pentanone
Concen: 0.83 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

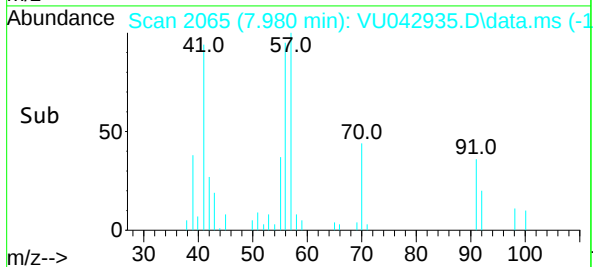
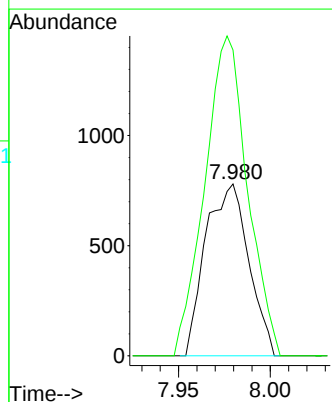
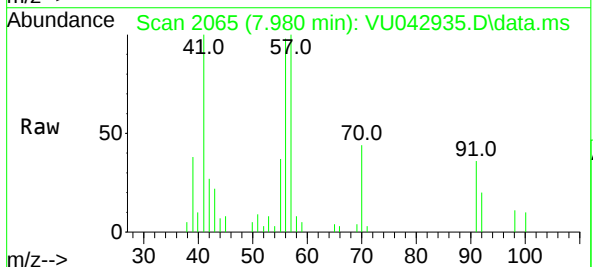
Instrument :
MSVOA_U
ClientSampled :

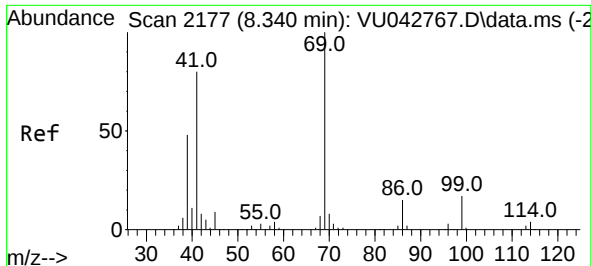
Tgt Ion: 43 Resp: 3004
Ion Ratio Lower Upper
43 100
58 26.9 27.4 41.2#



#52
Toluene
Concen: 0.31 ug/l
RT: 7.980 min Scan# 2065
Delta R.T. 0.003 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

Tgt Ion: 92 Resp: 1272
Ion Ratio Lower Upper
92 100
91 184.5 140.6 210.8

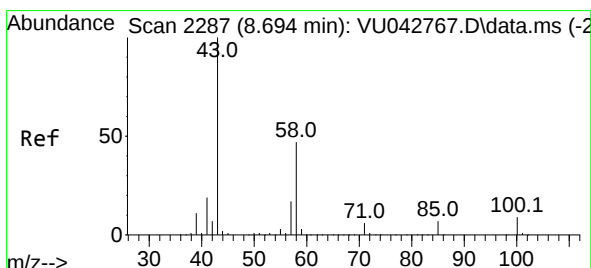
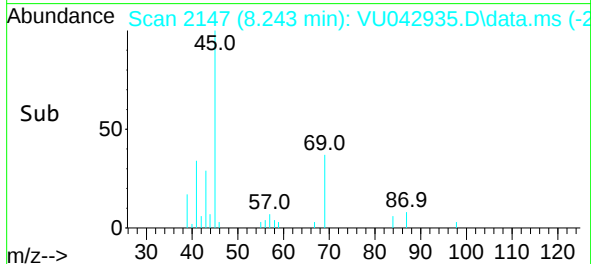
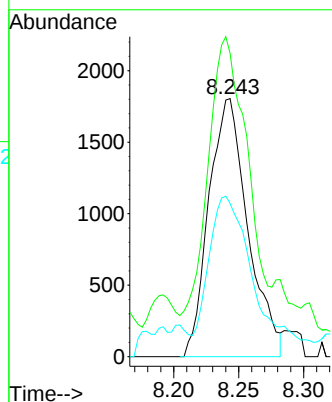
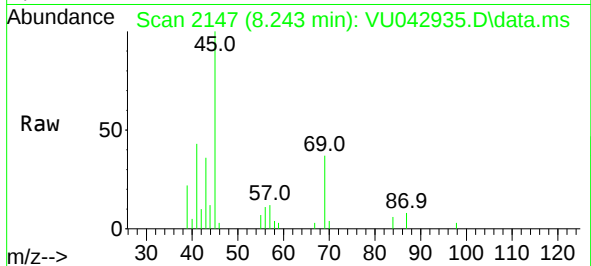




#56
Ethyl methacrylate
Concen: 1.42 ug/l
RT: 8.243 min Scan# 2147
Delta R.T. -0.097 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

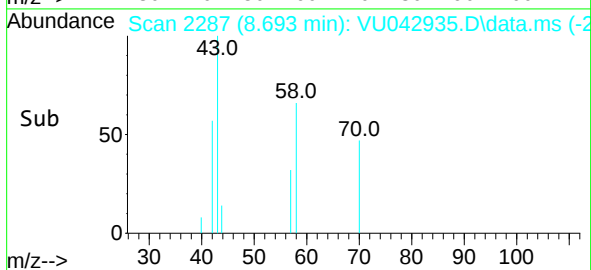
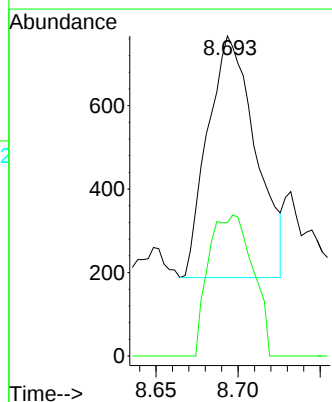
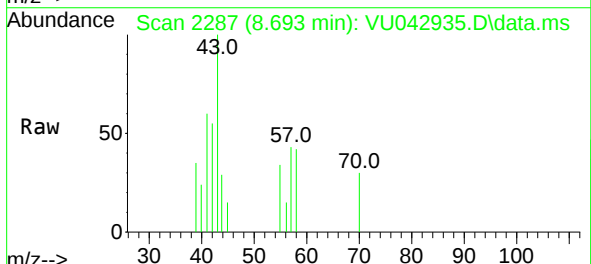
Instrument :
MSVOA_U
ClientSampleId :

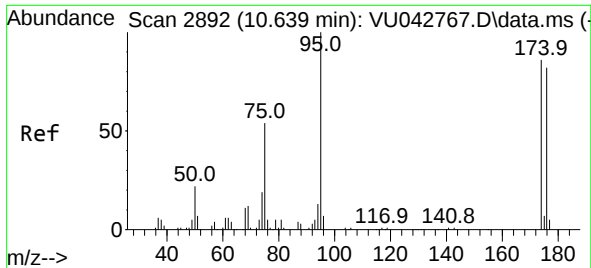
Tgt Ion: 69 Resp: 3768
Ion Ratio Lower Upper
69 100
41 104.2 64.6 97.0#
39 58.6 38.2 57.2#



#59
2-Hexanone
Concen: 0.41 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. -0.000 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

Tgt Ion: 43 Resp: 1173
Ion Ratio Lower Upper
43 100
58 53.8 23.8 71.2

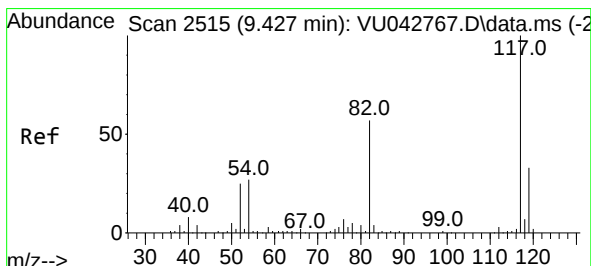
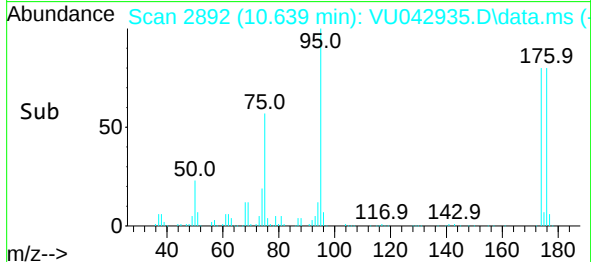
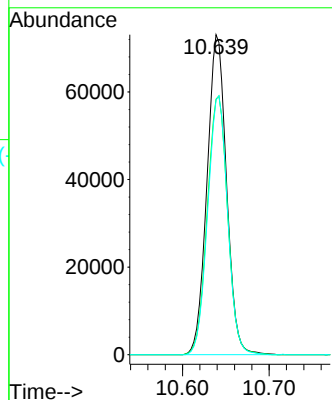
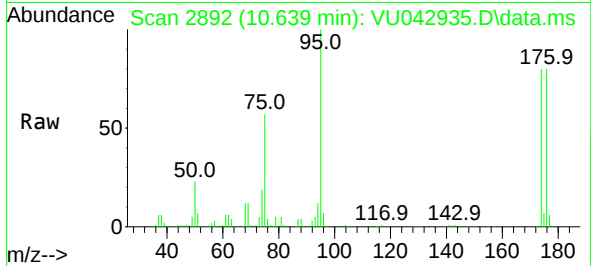




#62
4-Bromofluorobenzene
Concen: 50.20 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

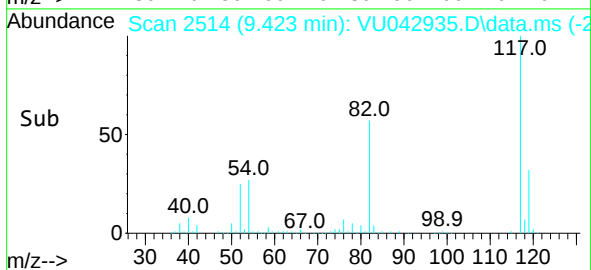
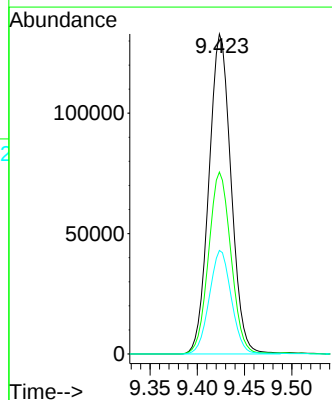
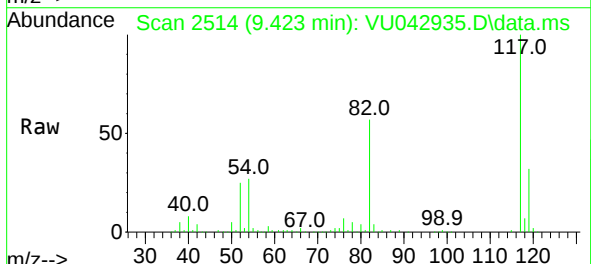
Instrument :
MSVOA_U
ClientSampleId :

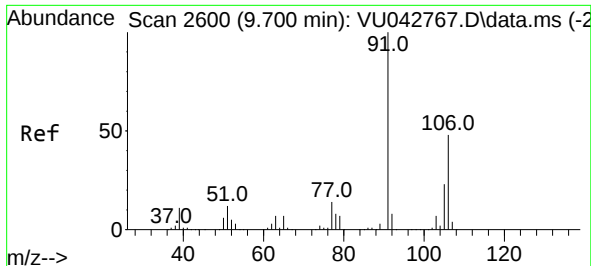
Tgt Ion: 95 Resp: 114461
Ion Ratio Lower Upper
95 100
174 84.0 0.0 175.2
176 82.4 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

Tgt Ion: 117 Resp: 216635
Ion Ratio Lower Upper
117 100
82 56.8 45.5 68.3
119 32.4 26.2 39.4

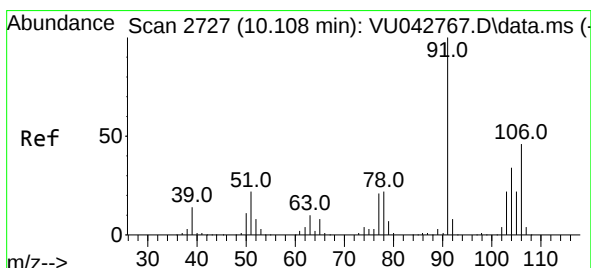
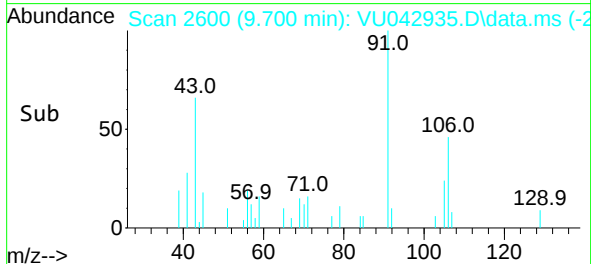
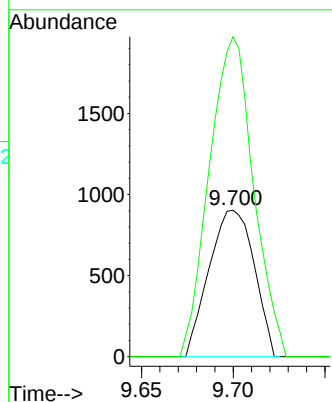
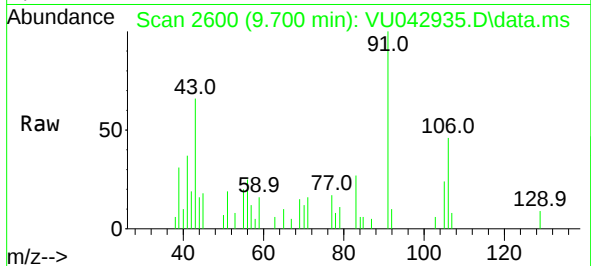




#68
m/p-Xylenes
Concen: 0.53 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

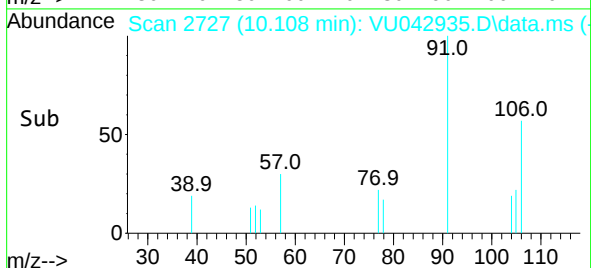
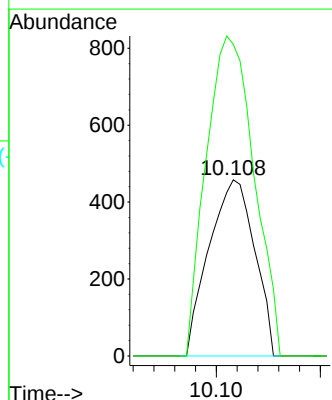
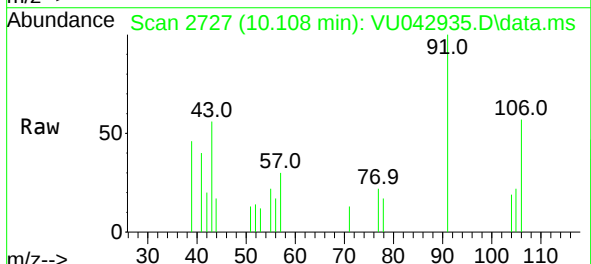
Instrument :
MSVOA_U
ClientSampled :

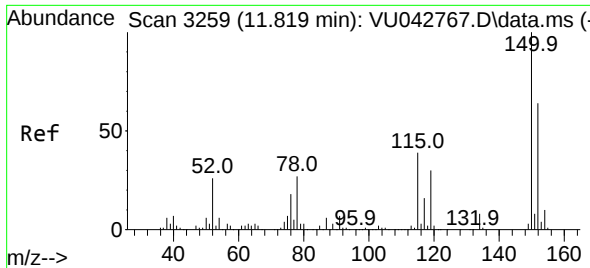
Tgt Ion:106 Resp: 1545
Ion Ratio Lower Upper
106 100
91 213.9 168.3 252.5



#69
o-Xylene
Concen: 0.25 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

Tgt Ion:106 Resp: 697
Ion Ratio Lower Upper
106 100
91 190.7 109.9 329.7

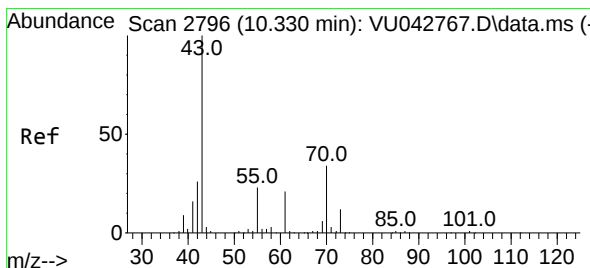
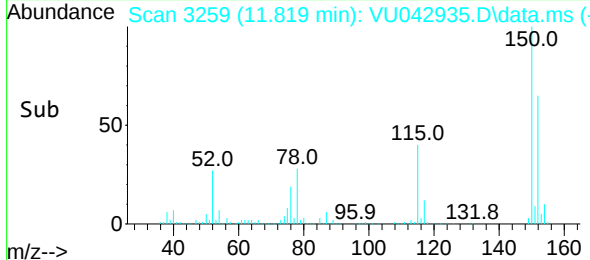
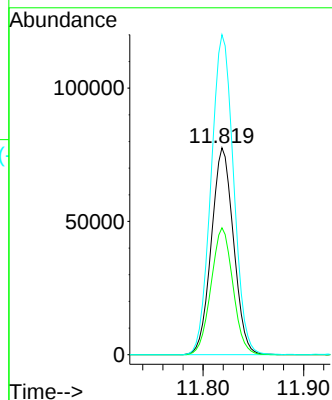
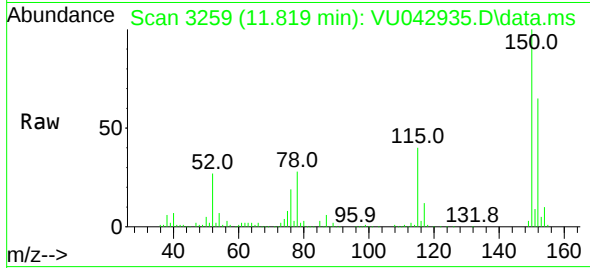




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU042935.D
 Acq: 05 Apr 2021 16:57

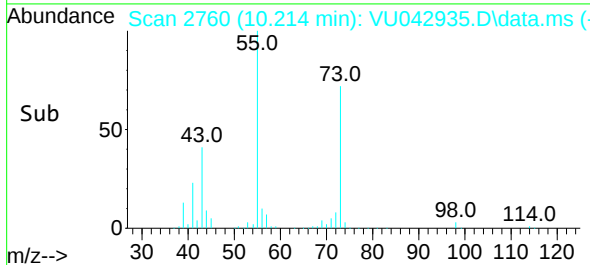
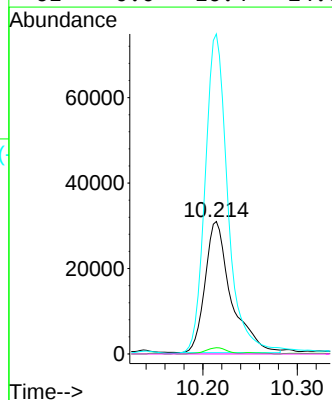
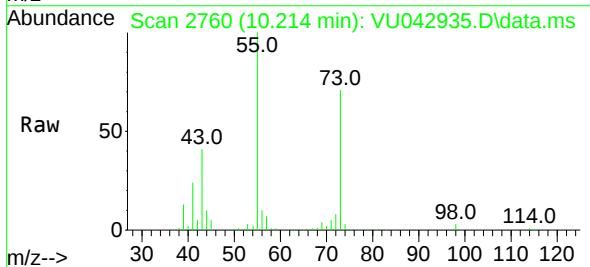
Instrument :
 MSVOA_U
 ClientSampled :

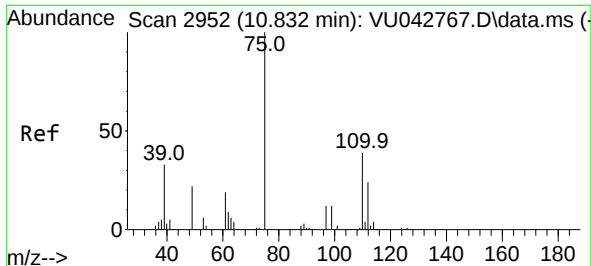
Tgt Ion:152 Resp: 119011
 Ion Ratio Lower Upper
 152 100
 115 60.5 41.0 123.0
 150 157.2 0.0 341.0



#74
 N-ethyl acetate
 Concen: 13.81 ug/l
 RT: 10.214 min Scan# 2760
 Delta R.T. -0.116 min
 Lab File: VU042935.D
 Acq: 05 Apr 2021 16:57

Tgt Ion: 43 Resp: 58723
 Ion Ratio Lower Upper
 43 100
 70 4.0 27.8 41.6#
 55 217.1 18.4 27.6#
 61 0.0 16.4 24.6#

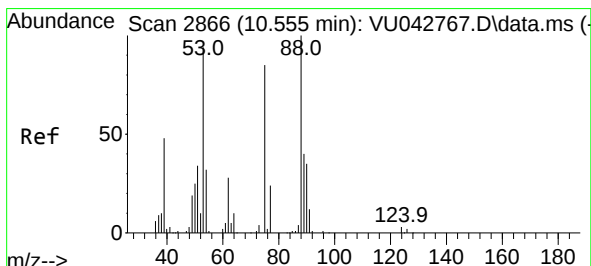
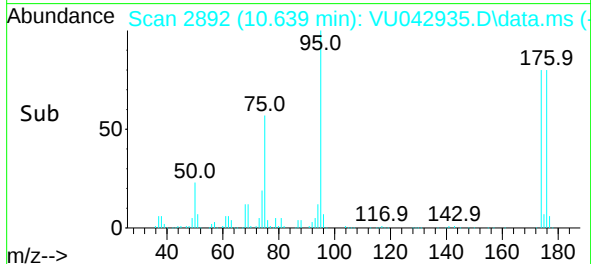
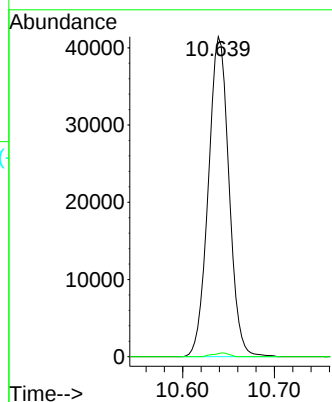
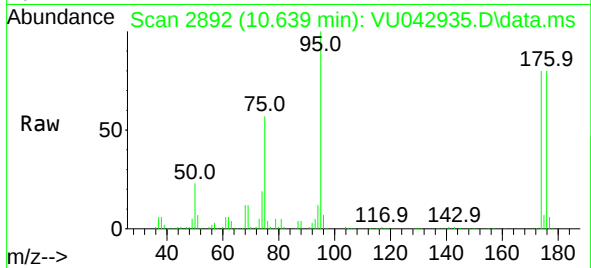




#76
1,2,3-Trichloropropane
Concen: 21.46 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

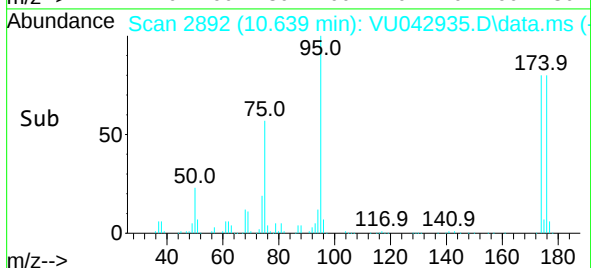
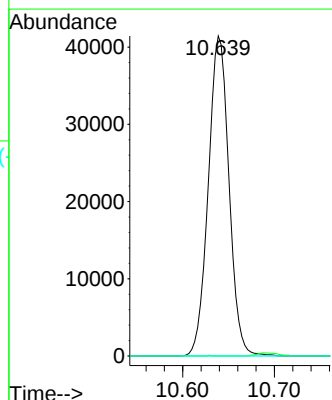
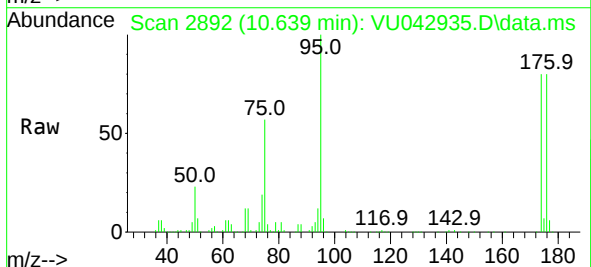
Instrument :
MSVOA_U
ClientSampled :

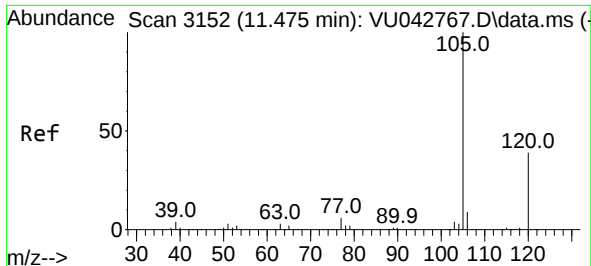
Tgt Ion: 75 Resp: 64944
Ion Ratio Lower Upper
75 100
77 0.9 19.6 58.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.57 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.083 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

Tgt Ion: 75 Resp: 64944
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#

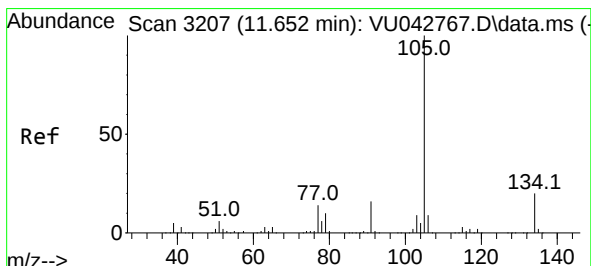
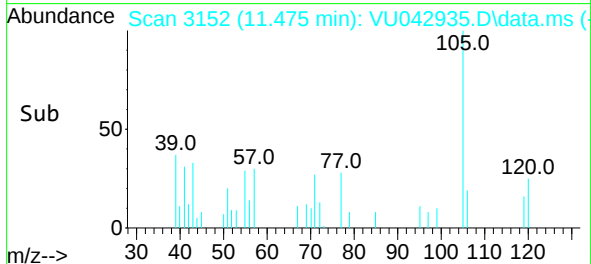
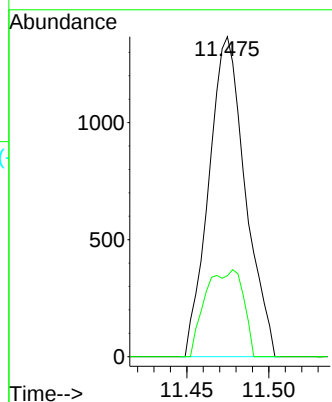
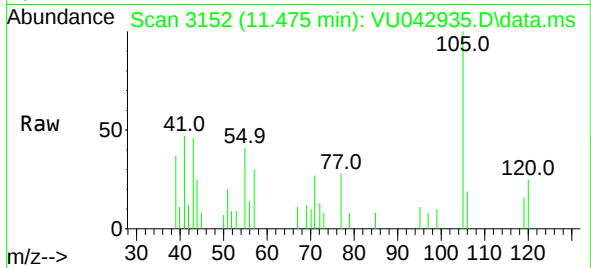




#84
1,2,4-Trimethylbenzene
Concen: 0.32 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

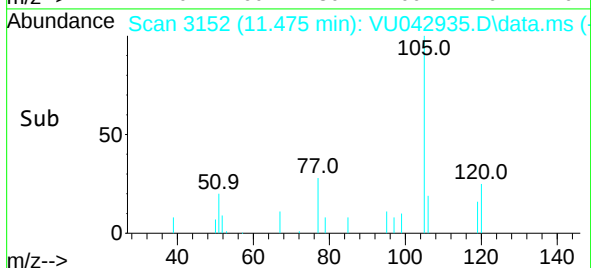
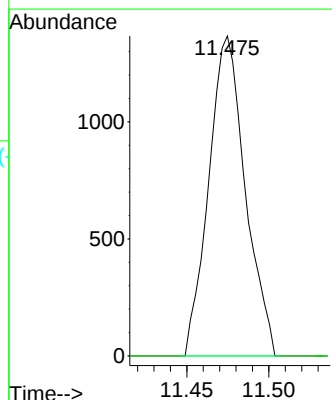
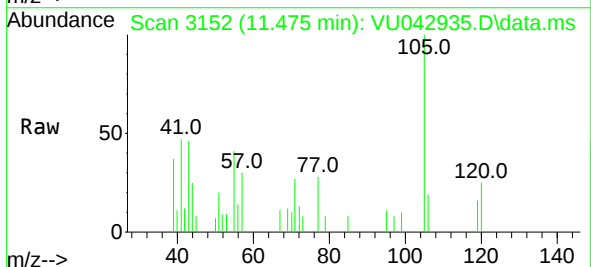
Instrument :
MSVOA_U
ClientSampled :

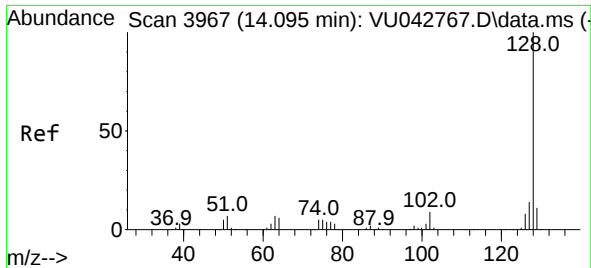
Tgt Ion:105 Resp: 2113
Ion Ratio Lower Upper
105 100
120 28.2 22.3 66.8



#85
sec-Butylbenzene
Concen: 0.29 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.177 min
Lab File: VU042935.D
Acq: 05 Apr 2021 16:57

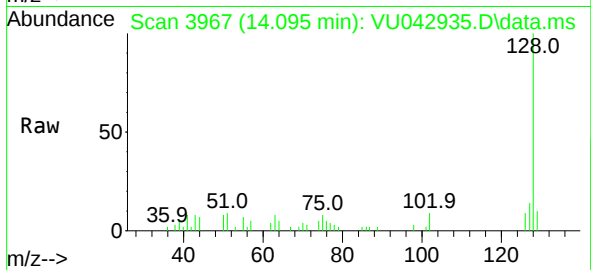
Tgt Ion:105 Resp: 2113
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.5#





#95
 Naphthalene
 Concen: 3.81 ug/l
 RT: 14.095 min Scan# 3967
 Delta R.T. 0.000 min
 Lab File: VU042935.D
 Acq: 05 Apr 2021 16:57

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:128 Resp: 10471
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.9 16.3
 129 9.7 8.7 13.1

