

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040521\
 Data File : VU042936.D
 Acq On : 05 Apr 2021 17:20
 Operator : SY/MD
 Sample : M1903-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

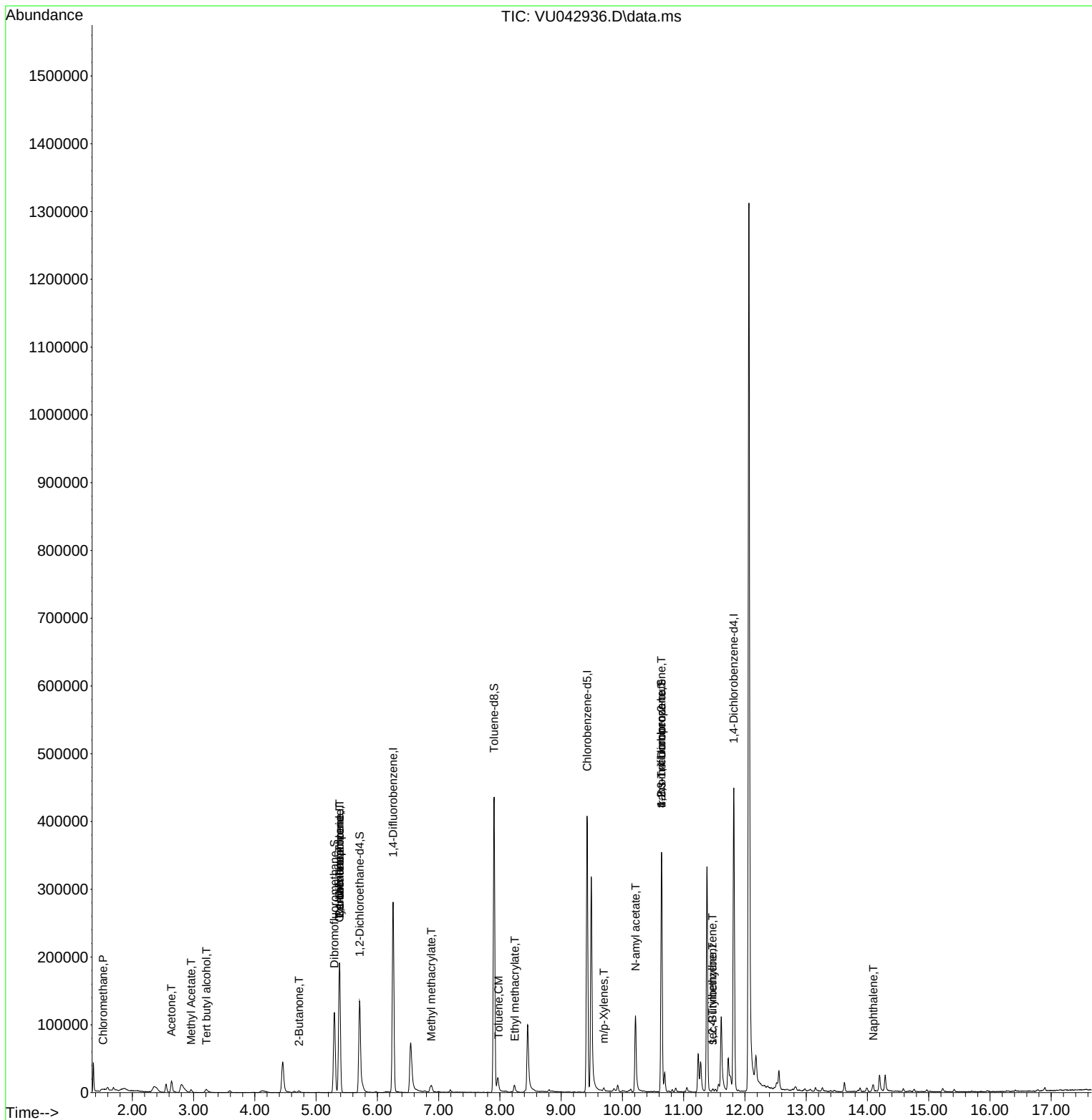
Quant Time: Apr 06 01:21:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 25 05:42:00 2021
 Response via : Initial Calibration

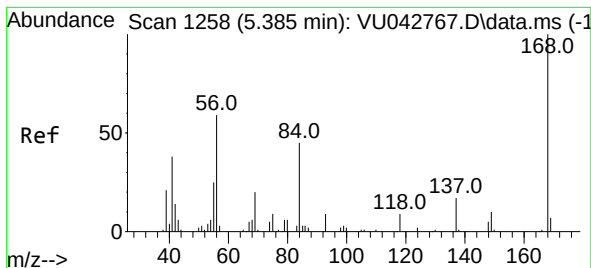
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.382	168	131872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	213037	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	201379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	109204	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	104521	49.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.44%	
35) Dibromofluoromethane	5.298	113	72085	45.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.68%	
50) Toluene-d8	7.906	98	266275	47.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.20%	
62) 4-Bromofluorobenzene	10.639	95	103144	47.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.90%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	435	0.26	ug/l	98
5) Bromomethane	1.864	94	167	Below Cal		84
6) Chloroethane	1.925	64	194	Below Cal	#	43
11) Tert butyl alcohol	3.212	59	7562	16.83	ug/l	# 88
13) Acrolein	2.494	56	124	Below Cal	#	15
16) Acetone	2.639	43	21751	7.35	ug/l	100
18) Methyl Acetate	2.961	43	4928	2.05	ug/l	100
25) 2-Butanone	4.723	43	4486	2.62	ug/l	95
31) Cyclohexane	5.379	56	3141	1.20	ug/l	# 38
36) 1,1-Dichloropropene	5.382	75	11082	5.26	ug/l	# 50
38) Carbon Tetrachloride	5.382	117	13508	5.62	ug/l	# 16
48) Methyl methacrylate	6.880	41	3331	1.40	ug/l	# 45
49) 1,4-Dioxane	6.996	88	251	Below Cal	#	66
52) Toluene	7.980	92	998	0.26	ug/l	96
56) Ethyl methacrylate	8.243	69	2464	0.97	ug/l	# 83
68) m/p-Xylenes	9.697	106	1059	0.39	ug/l	96
74) N-amyl acetate	10.214	43	26160	6.71	ug/l	# 1
76) 1,2,3-Trichloropropane	10.639	75	58750	21.15	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	10.639	75	58750	62.67	ug/l	# 6
84) 1,2,4-Trimethylbenzene	11.472	105	1656	0.27	ug/l	97
85) sec-Butylbenzene	11.472	105	1656	0.24	ug/l	# 57
95) Naphthalene	14.095	128	7227	3.50	ug/l	97

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

Quant Time: Apr 06 01:21:06 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

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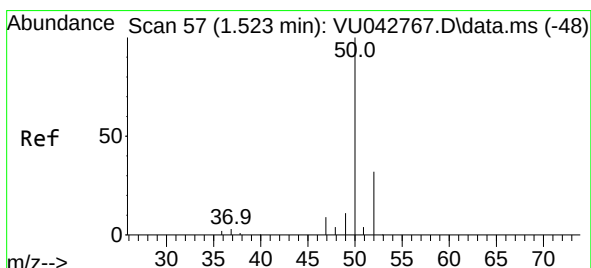
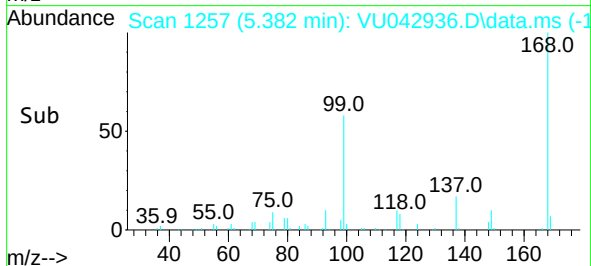
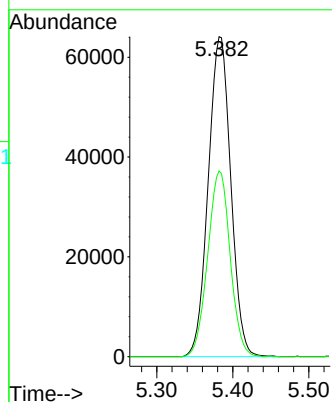
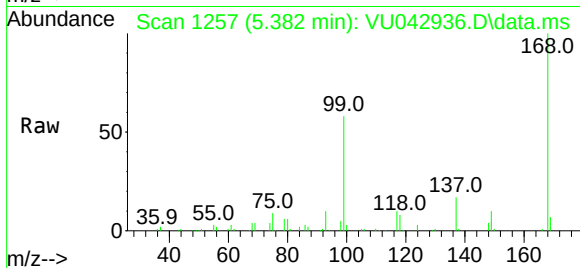
Acq: 05 Apr 2021 17:20

Tgt Ion:168 Resp: 131872

Ion Ratio Lower Upper

168 100

99 58.1 46.4 69.6



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.523 min Scan# 57

Delta R.T. 0.000 min

Lab File: VU042936.D

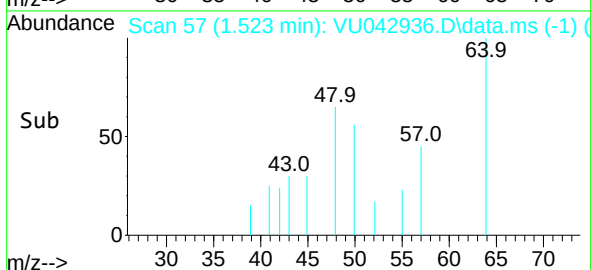
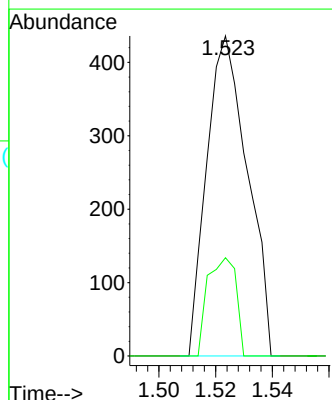
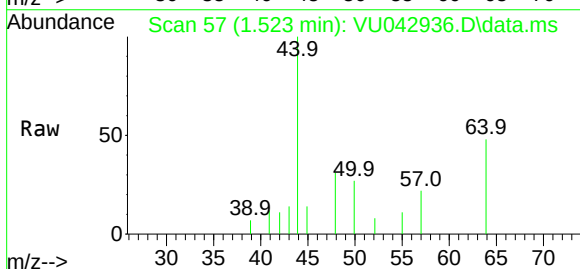
Acq: 05 Apr 2021 17:20

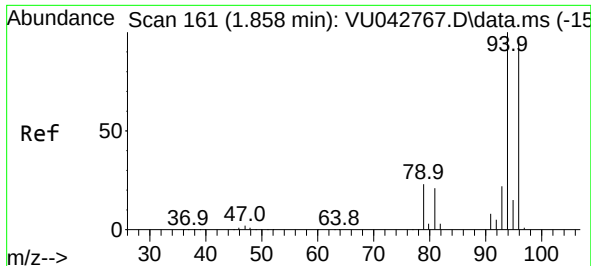
Tgt Ion: 50 Resp: 435

Ion Ratio Lower Upper

50 100

52 30.7 25.4 38.0

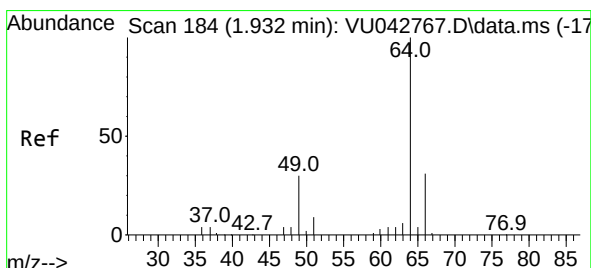
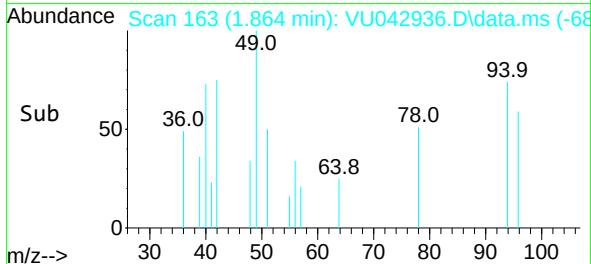
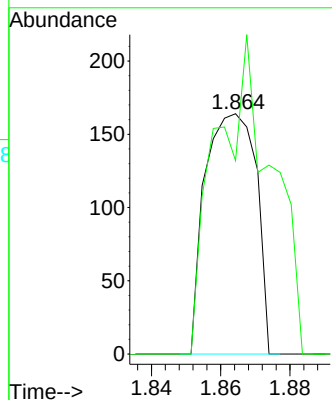
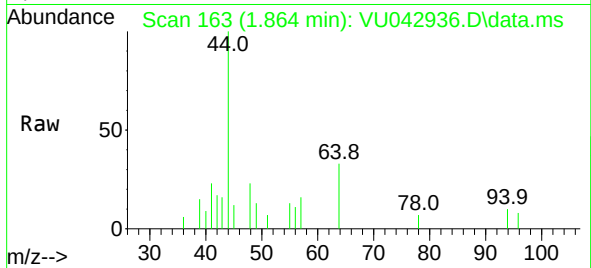




#5
Bromomethane
Concen: Below Cal
RT: 1.864 min Scan# 163
Delta R.T. 0.006 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

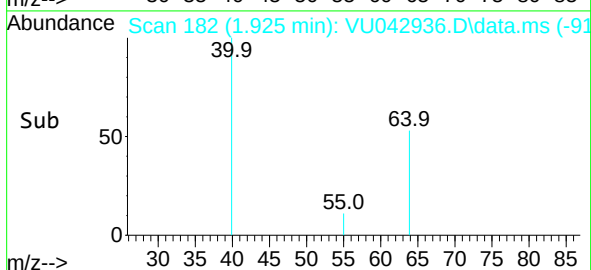
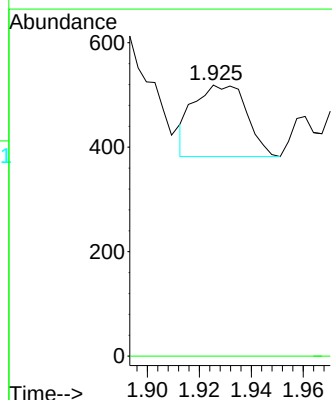
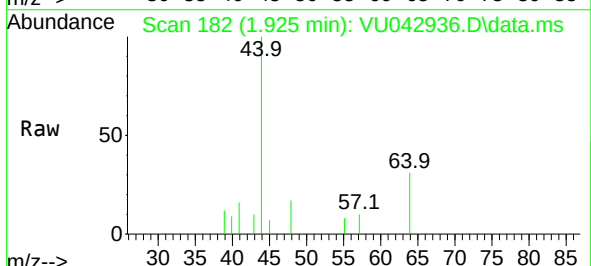
Instrument :
MSVOA_U
ClientSampled :

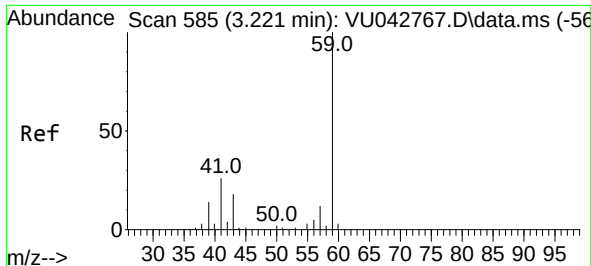
Tgt Ion: 94 Resp: 167
Ion Ratio Lower Upper
94 100
96 80.5 77.1 115.7



#6
Chloroethane
Concen: Below Cal
RT: 1.925 min Scan# 182
Delta R.T. -0.007 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

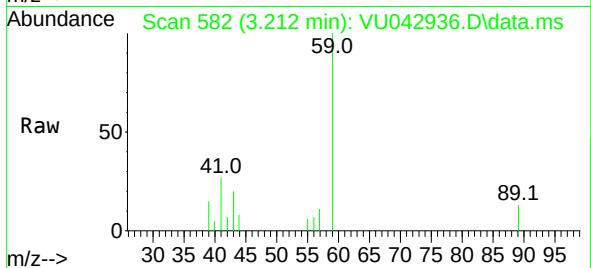
Tgt Ion: 64 Resp: 194
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



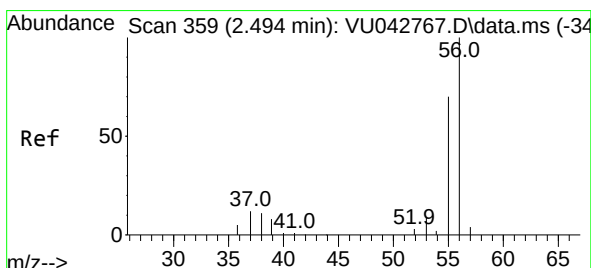
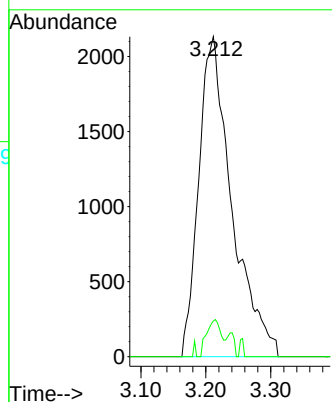
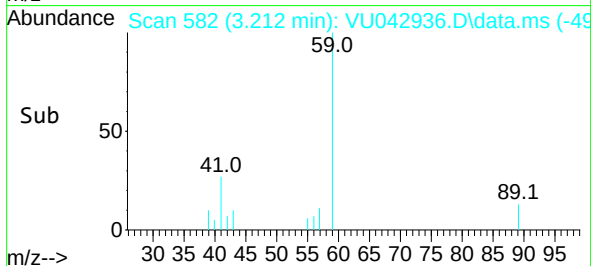


#11
Tert butyl alcohol
Concen: 16.83 ug/l
RT: 3.212 min Scan# 582
Delta R.T. -0.010 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

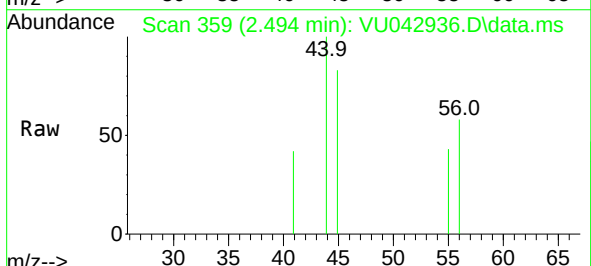
Instrument :
MSVOA_U
ClientSampled :



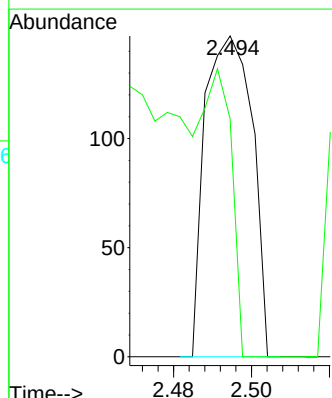
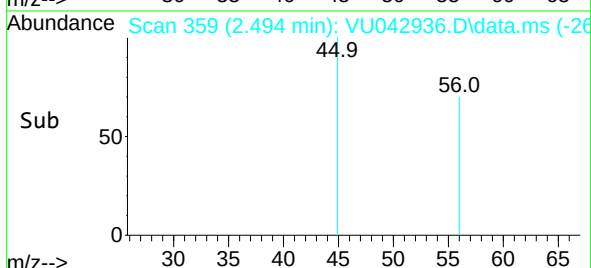
Tgt Ion: 59 Resp: 7562
Ion Ratio Lower Upper
59 100
57 5.0 7.4 11.2#

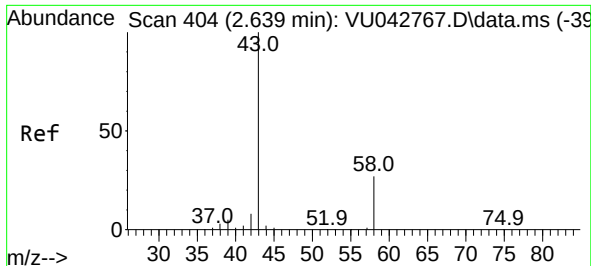


#13
Acrolein
Concen: Below Cal
RT: 2.494 min Scan# 359
Delta R.T. 0.000 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20



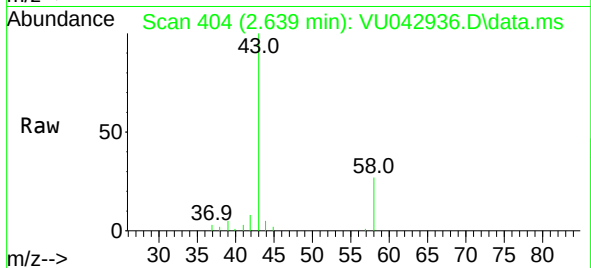
Tgt Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



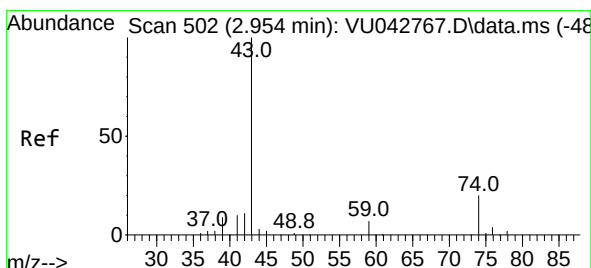
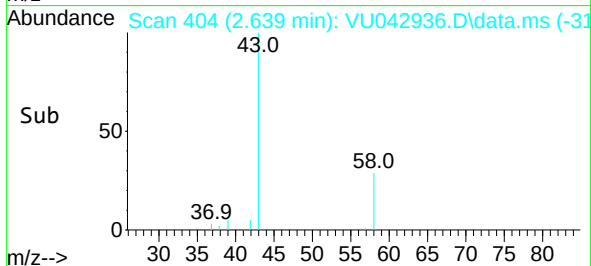
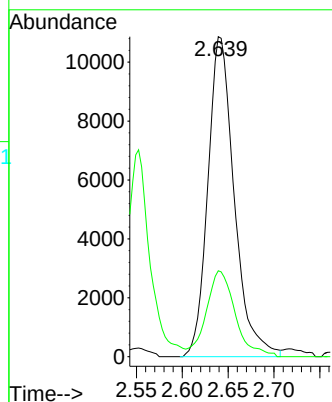


#16
Acetone
Concen: 7.35 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.000 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

Instrument :
MSVOA_U
ClientSampled :

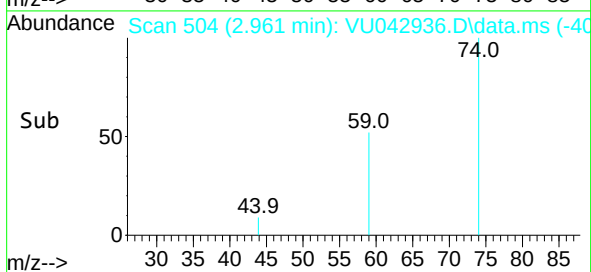
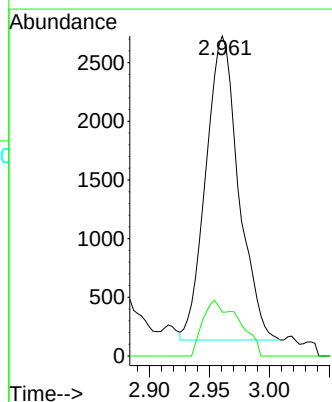
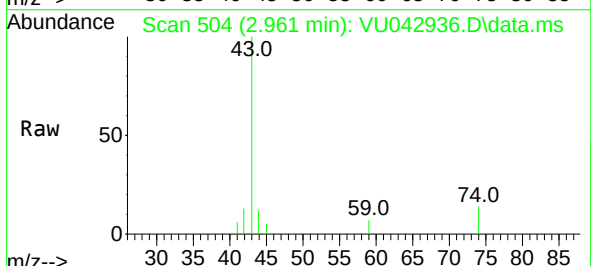


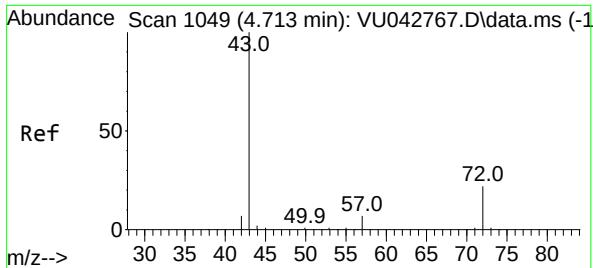
Tgt Ion: 43 Resp: 21751
Ion Ratio Lower Upper
43 100
58 26.8 21.6 32.4



#18
Methyl Acetate
Concen: 2.05 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

Tgt Ion: 43 Resp: 4928
Ion Ratio Lower Upper
43 100
74 20.2 16.2 24.4

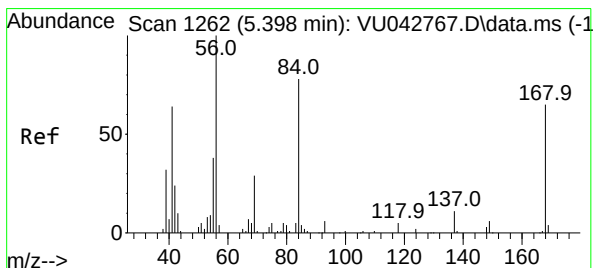
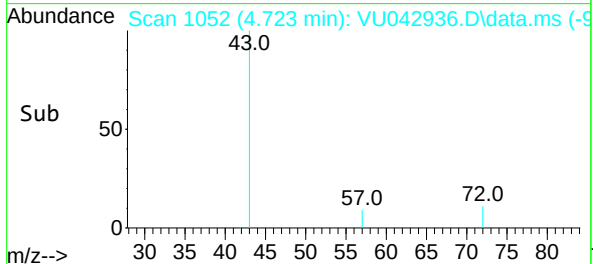
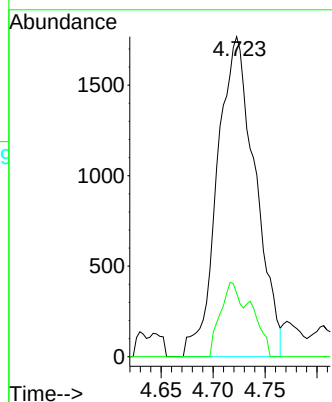
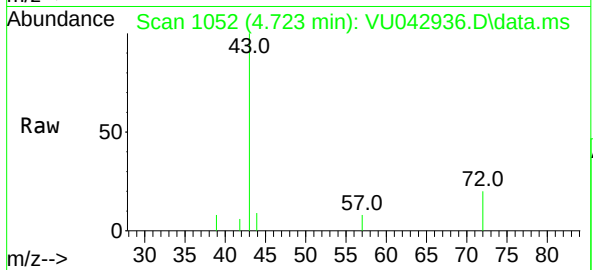




#25
2-Butanone
Concen: 2.62 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.010 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

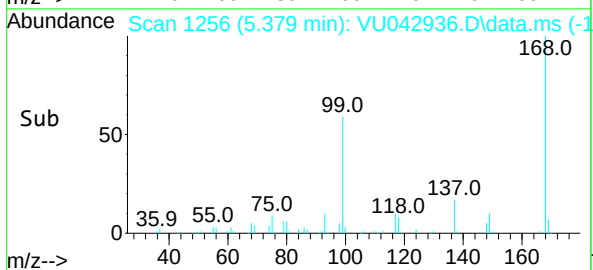
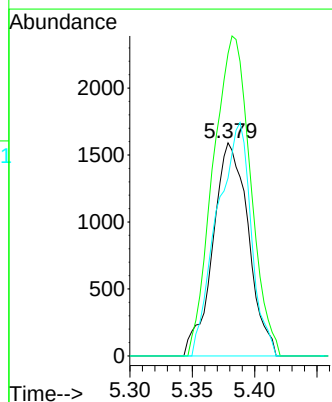
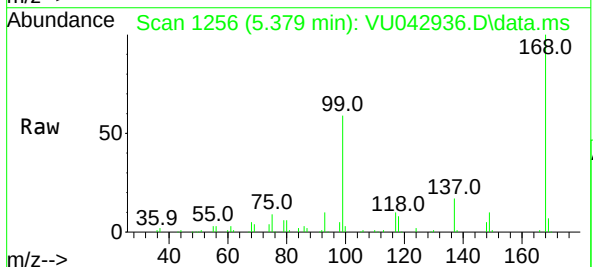
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MSVOA_U
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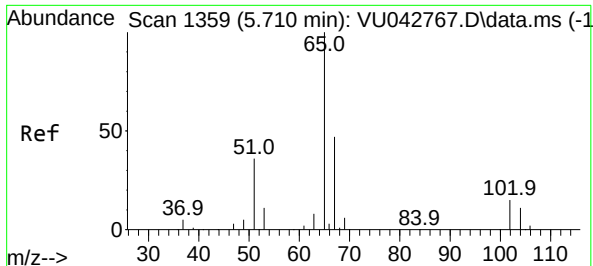
Tgt Ion: 43 Resp: 4486
Ion Ratio Lower Upper
43 100
72 19.9 17.7 26.5



#31
Cyclohexane
Concen: 1.20 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.019 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

Tgt Ion: 56 Resp: 3141
Ion Ratio Lower Upper
56 100
69 141.9 23.3 34.9#
84 83.5 62.2 93.4

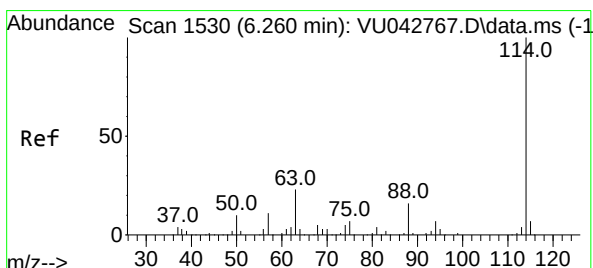
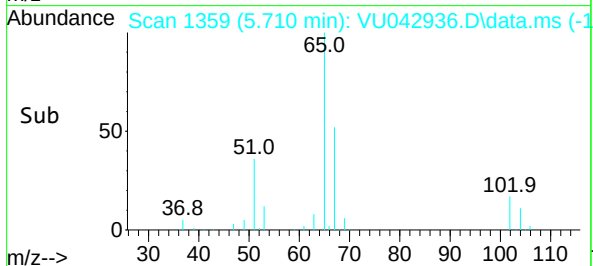
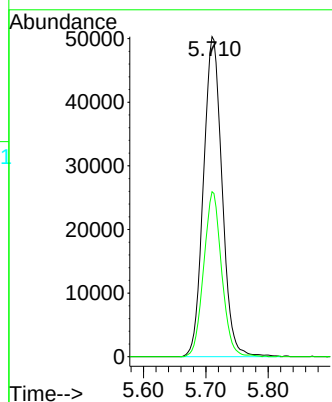
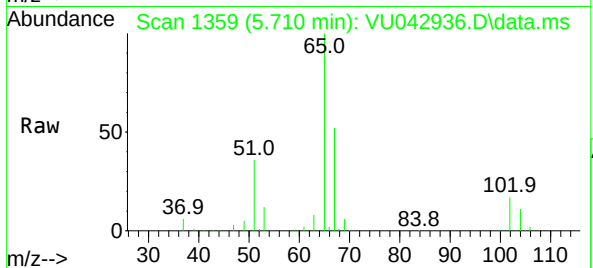




#33
1,2-Dichloroethane-d4
Concen: 49.72 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

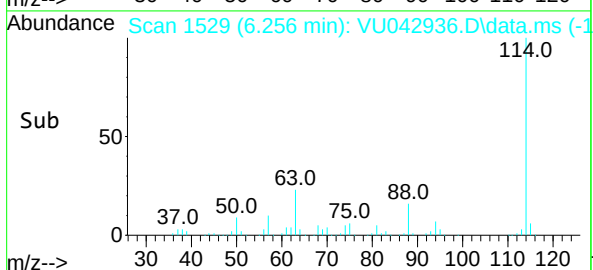
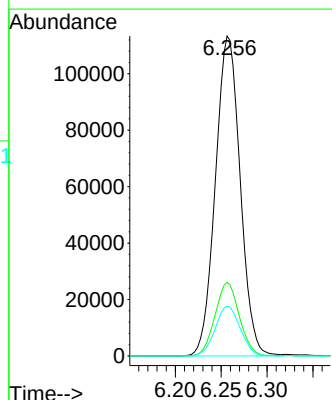
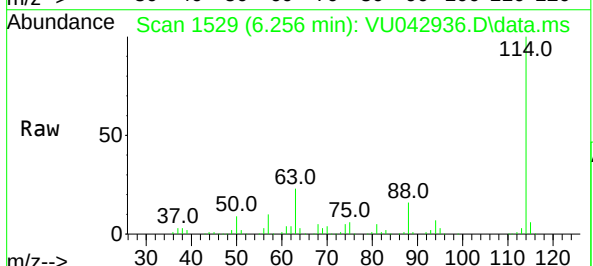
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MSVOA_U
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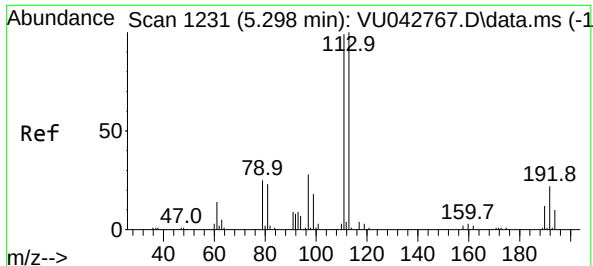
Tgt Ion: 65 Resp: 104521
Ion Ratio Lower Upper
65 100
67 49.4 0.0 98.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. -0.004 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

Tgt Ion: 114 Resp: 213037
Ion Ratio Lower Upper
114 100
63 23.1 0.0 46.8
88 15.6 0.0 32.2

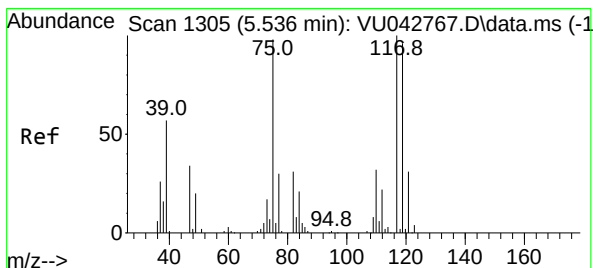
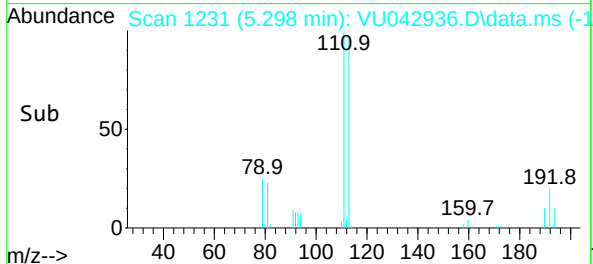
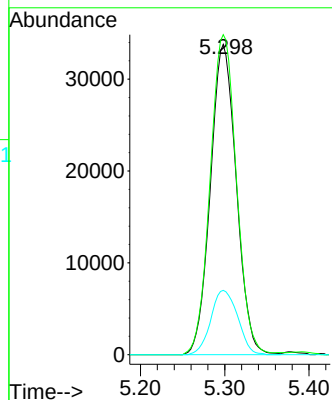
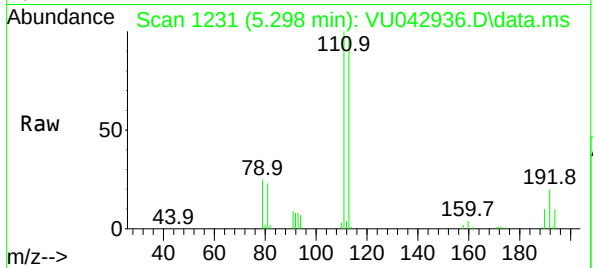




#35
Dibromofluoromethane
Concen: 45.34 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

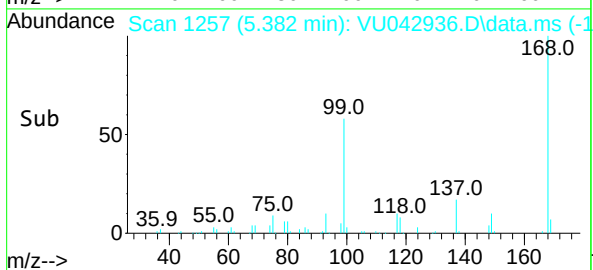
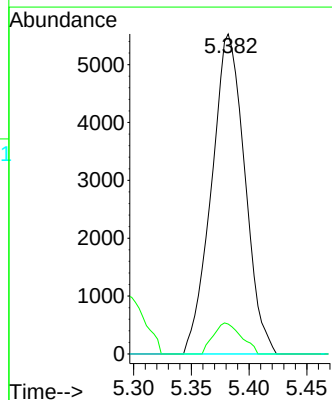
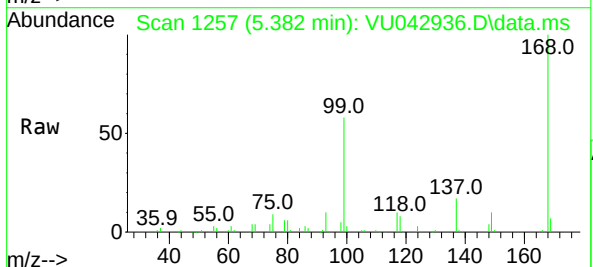
Instrument :
MSVOA_U
ClientSampleId :

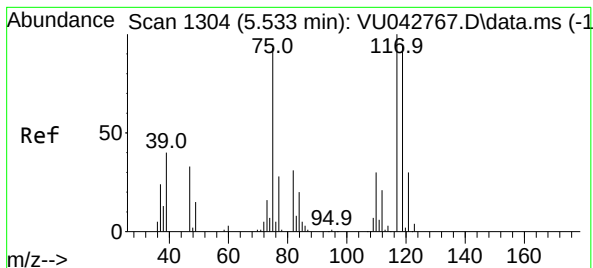
Tgt Ion:113 Resp: 72085
Ion Ratio Lower Upper
113 100
111 104.7 82.1 123.1
192 21.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.26 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.154 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

Tgt Ion: 75 Resp: 11082
Ion Ratio Lower Upper
75 100
110 8.1 16.6 49.7#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.62 ug/l

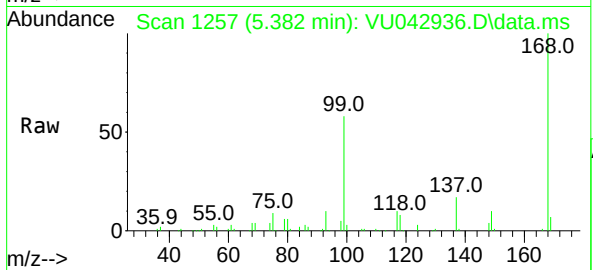
RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

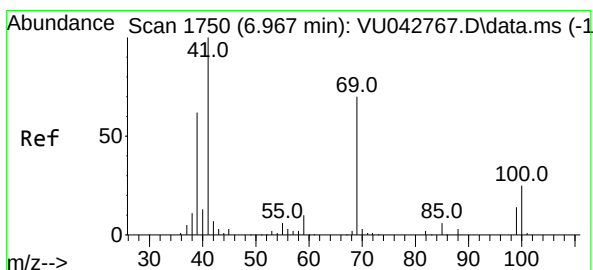
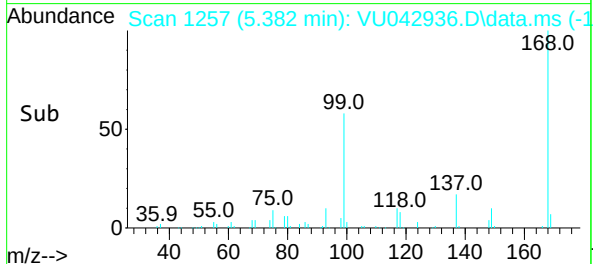
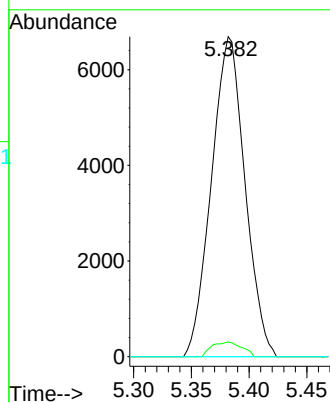
Lab File: VU042936.D

Acq: 05 Apr 2021 17:20

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	117	Resp:	13508
Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.2	112.8#
121	0.0	24.2	36.4#



#48

Methyl methacrylate

Concen: 1.40 ug/l

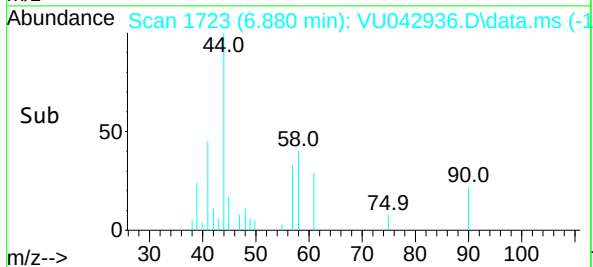
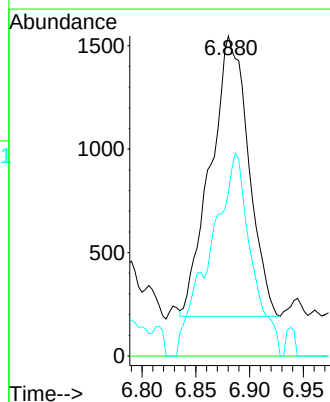
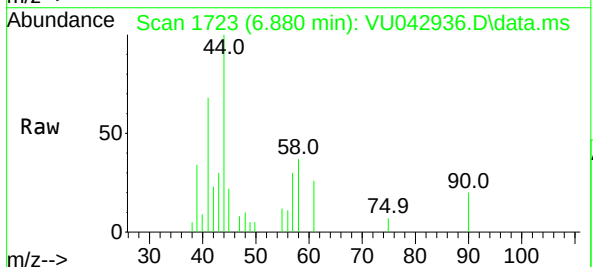
RT: 6.880 min Scan# 1723

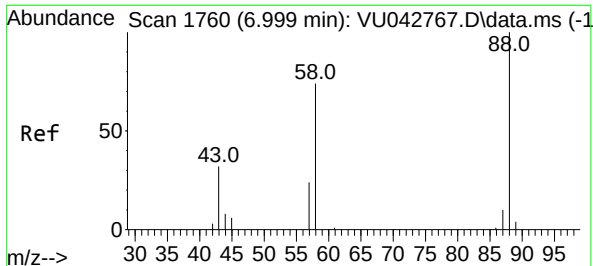
Delta R.T. -0.087 min

Lab File: VU042936.D

Acq: 05 Apr 2021 17:20

Tgt Ion:	41	Resp:	3331
Ion	Ratio	Lower	Upper
41	100		
69	0.0	55.9	83.9#
39	78.3	49.7	74.5#

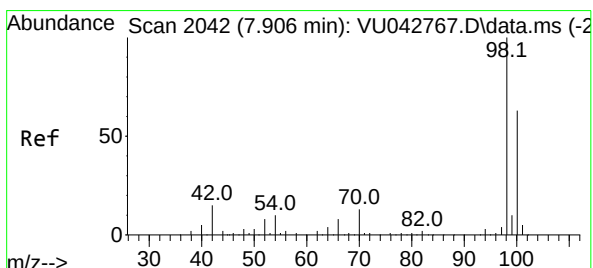
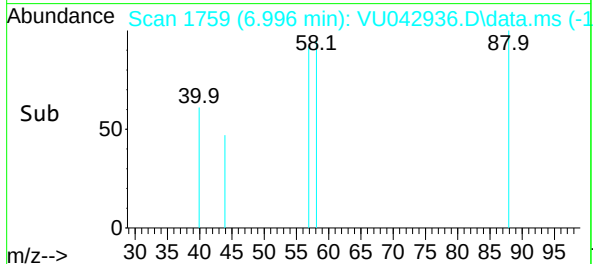
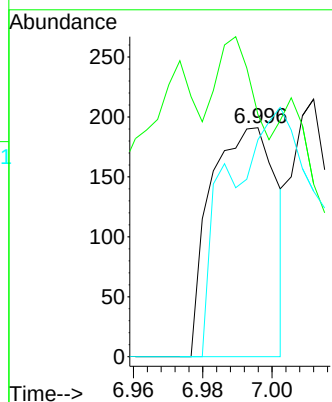
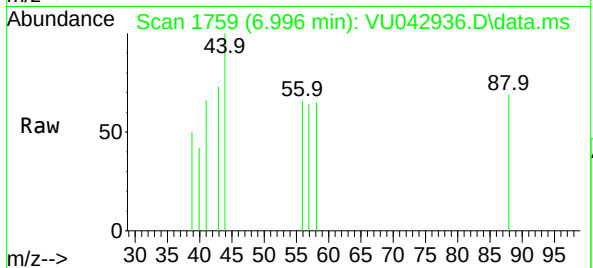




#49
1,4-Dioxane
Concen: Below Cal
RT: 6.996 min Scan# 1759
Delta R.T. -0.003 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

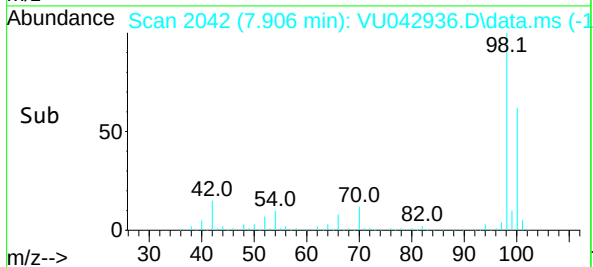
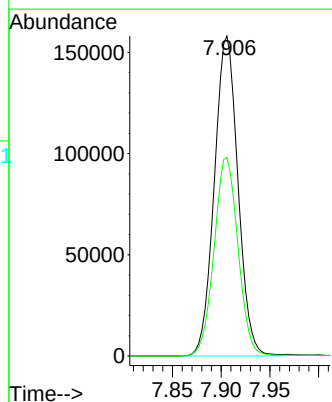
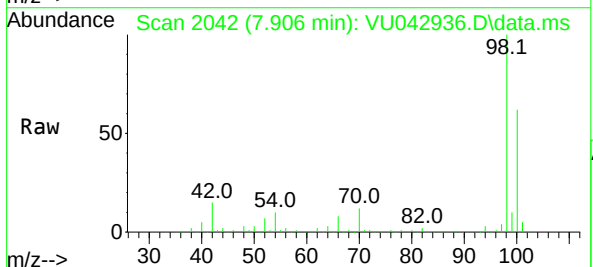
Instrument :
MSVOA_U
ClientSampled :

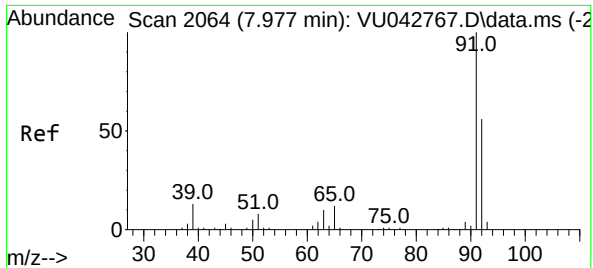
Tgt Ion: 88 Resp: 251
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.0#
58 100.0 62.5 93.7#



#50
Toluene-d8
Concen: 47.60 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

Tgt Ion: 98 Resp: 266275
Ion Ratio Lower Upper
98 100
100 62.9 50.4 75.6

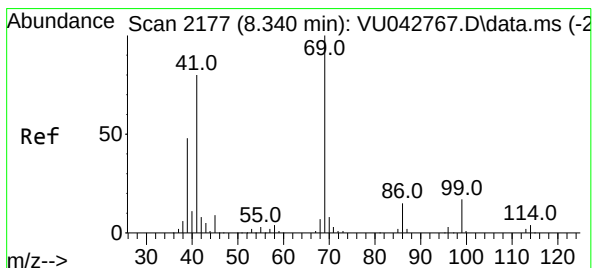
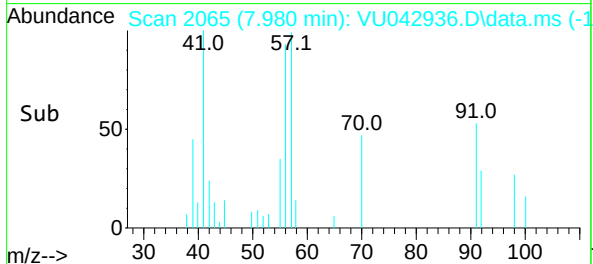
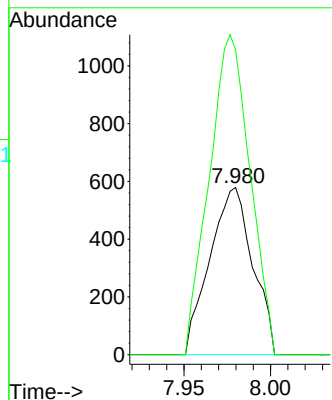
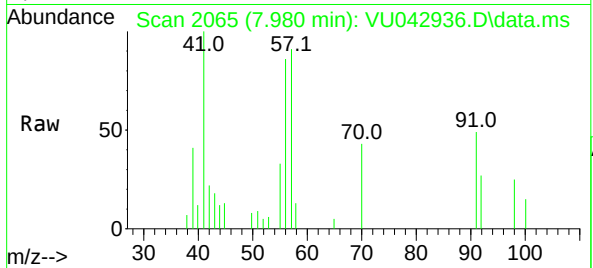




#52
Toluene
Concen: 0.26 ug/l
RT: 7.980 min Scan# 2065
Delta R.T. 0.003 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

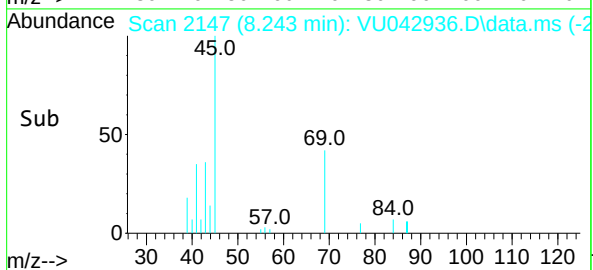
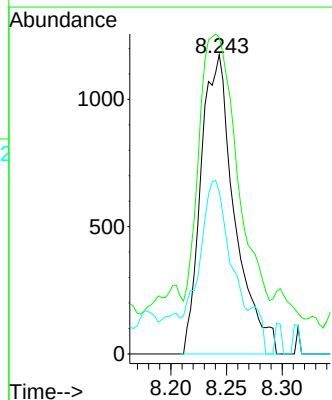
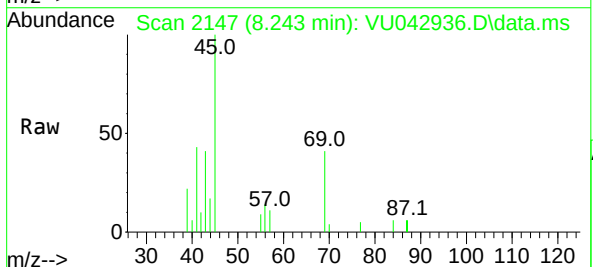
Instrument :
MSVOA_U
ClientSampled :

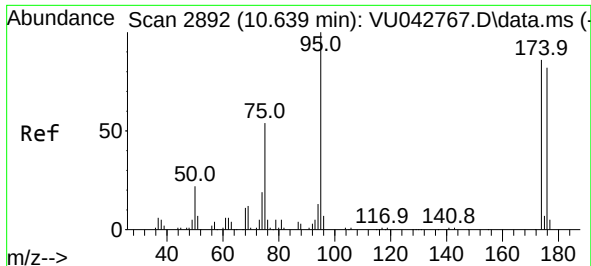
Tgt Ion: 92 Resp: 998
Ion Ratio Lower Upper
92 100
91 181.9 140.6 210.8



#56
Ethyl methacrylate
Concen: 0.97 ug/l
RT: 8.243 min Scan# 2147
Delta R.T. -0.096 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

Tgt Ion: 69 Resp: 2464
Ion Ratio Lower Upper
69 100
41 96.6 64.6 97.0
39 36.3 38.2 57.2#

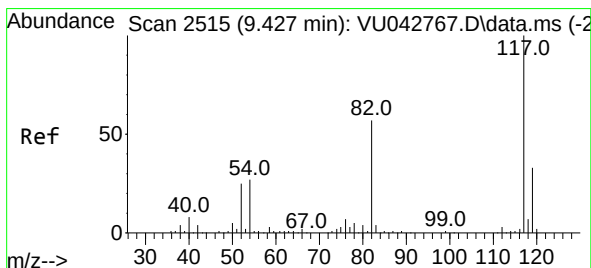
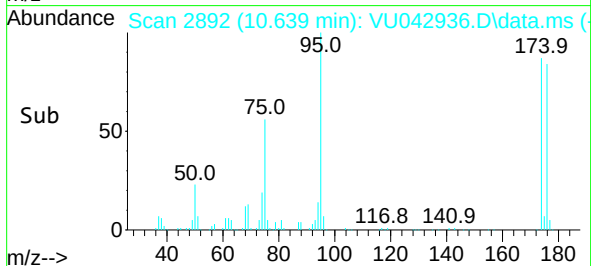
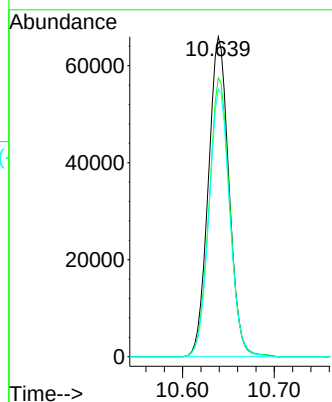
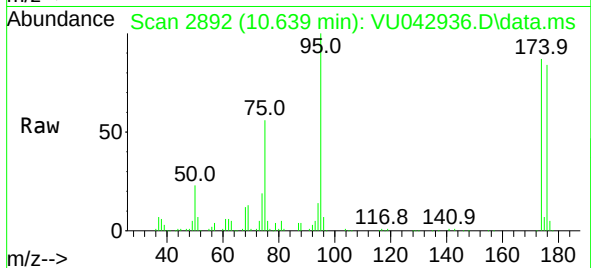




#62
4-Bromofluorobenzene
Concen: 47.45 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

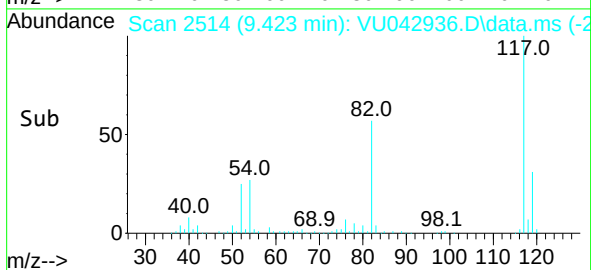
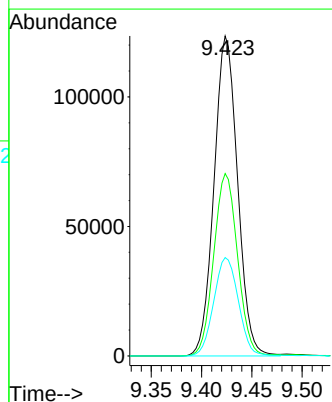
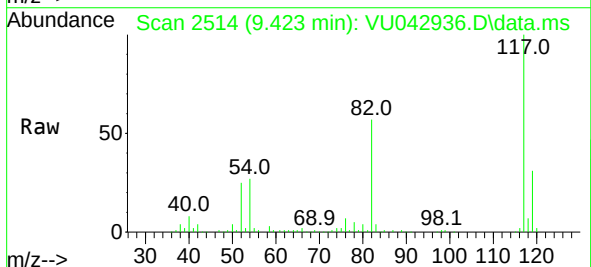
Instrument :
MSVOA_U
ClientSampleId :

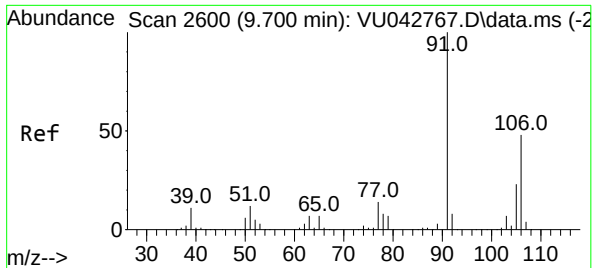
Tgt Ion: 95 Resp: 103144
Ion Ratio Lower Upper
95 100
174 88.0 0.0 175.2
176 84.1 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

Tgt Ion: 117 Resp: 201379
Ion Ratio Lower Upper
117 100
82 57.0 45.5 68.3
119 30.8 26.2 39.4

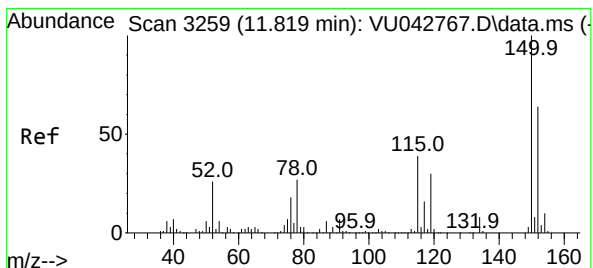
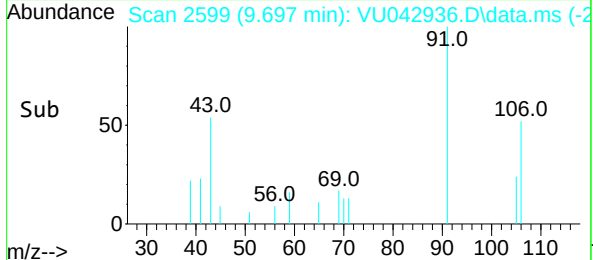
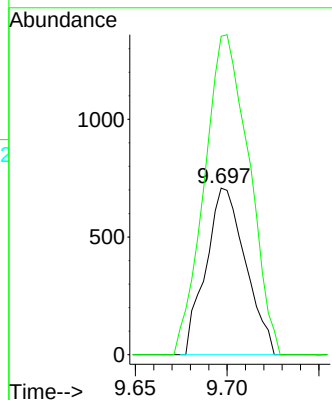
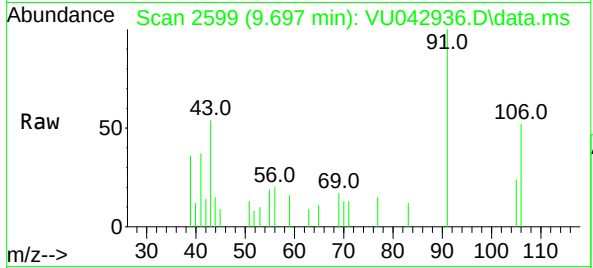




#68
m/p-Xylenes
Concen: 0.39 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.003 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

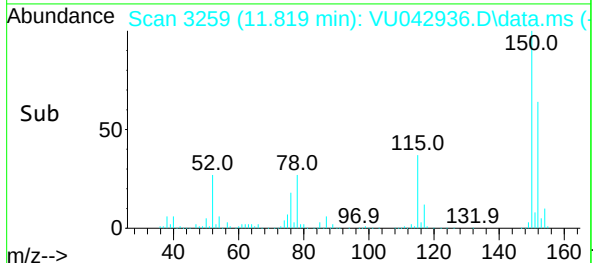
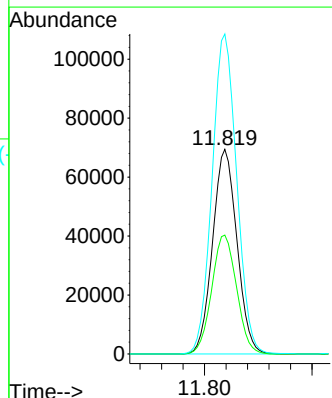
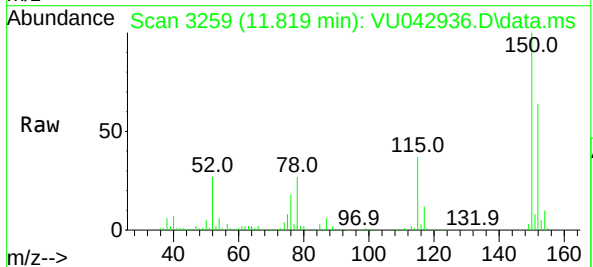
Instrument :
MSVOA_U
ClientSampled :

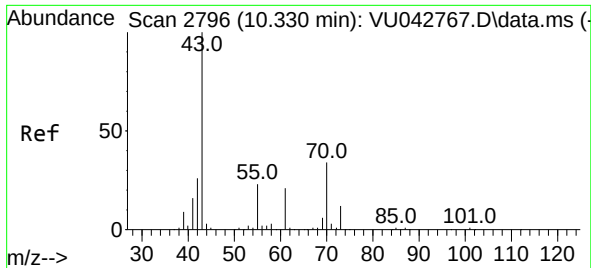
Tgt Ion:106 Resp: 1059
Ion Ratio Lower Upper
106 100
91 217.2 168.3 252.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

Tgt Ion:152 Resp: 109204
Ion Ratio Lower Upper
152 100
115 59.2 41.0 123.0
150 158.1 0.0 341.0

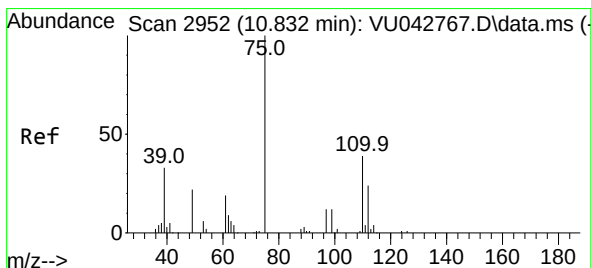
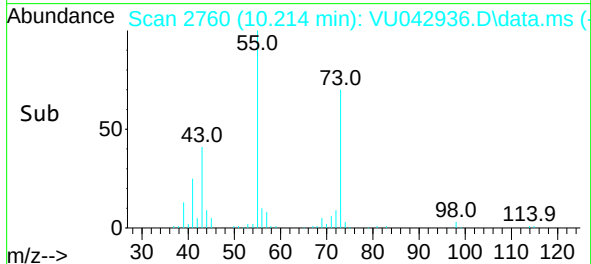
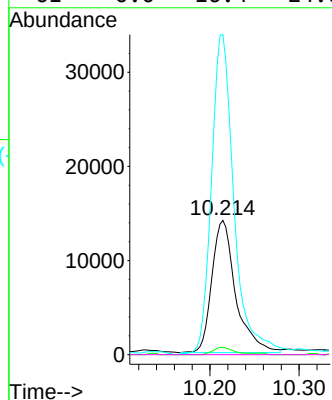
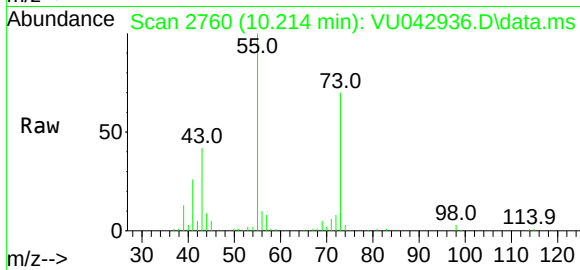




#74
N-amy1 acetate
Concen: 6.71 ug/l
RT: 10.214 min Scan# 2760
Delta R.T. -0.116 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

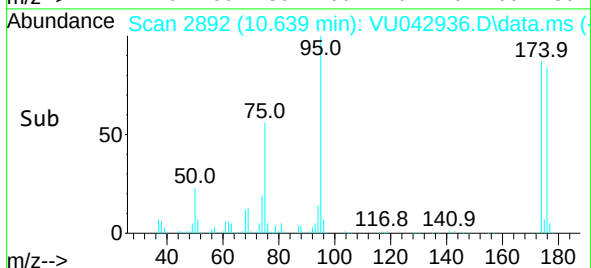
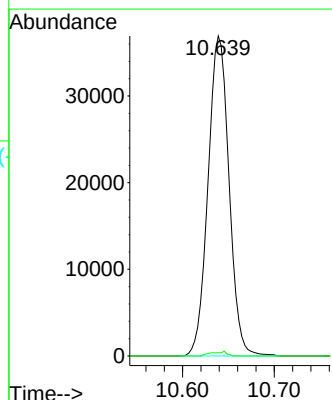
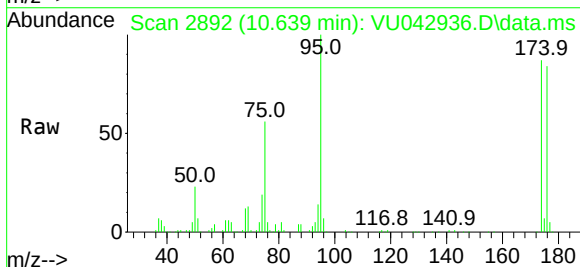
Instrument :
MSVOA_U
ClientSampleId :

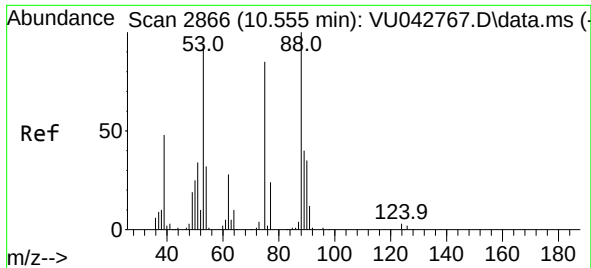
Tgt Ion:	43	Resp:	26160
Ion	Ratio	Lower	Upper
43	100		
70	5.1	27.8	41.6#
55	231.0	18.4	27.6#
61	0.0	16.4	24.6#



#76
1,2,3-Trichloropropane
Concen: 21.15 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

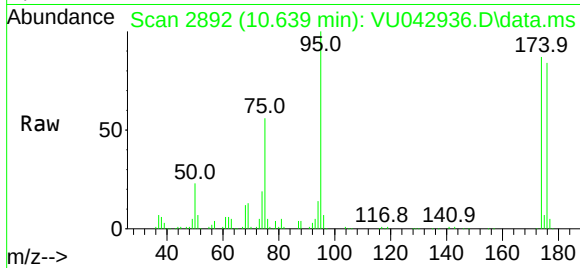
Tgt Ion:	75	Resp:	58750
Ion	Ratio	Lower	Upper
75	100		
77	1.0	19.6	58.8#



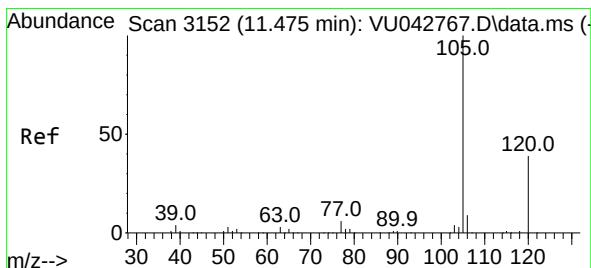
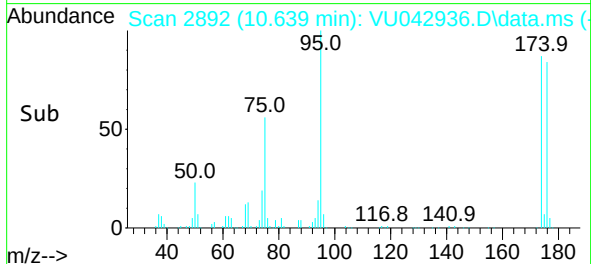
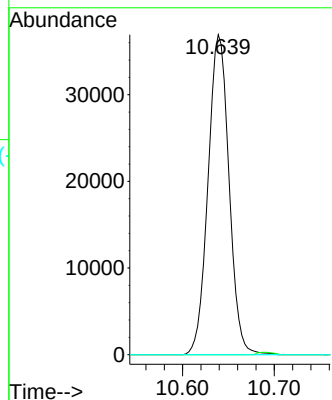


#81
trans-1,4-Dichloro-2-butene
Concen: 62.67 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

Instrument :
MSVOA_U
ClientSampleId :

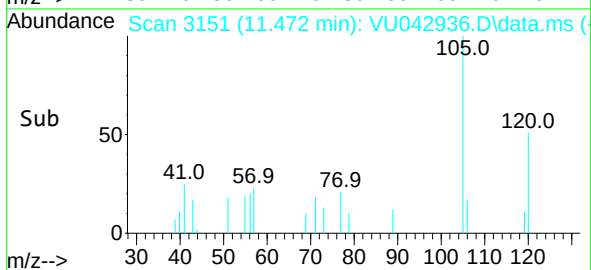
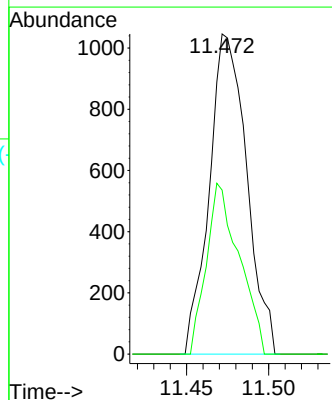
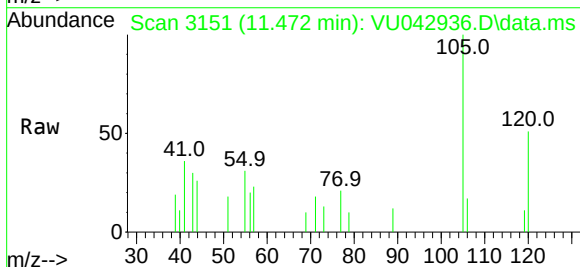


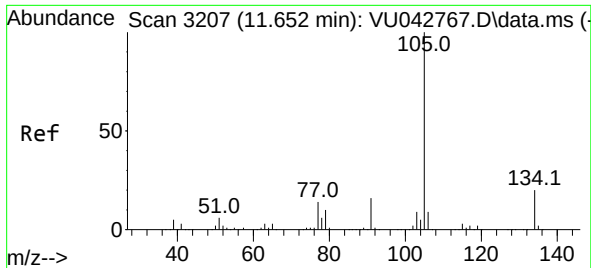
Tgt Ion: 75 Resp: 58750
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.27 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

Tgt Ion: 105 Resp: 1656
Ion Ratio Lower Upper
105 100
120 46.7 22.3 66.8

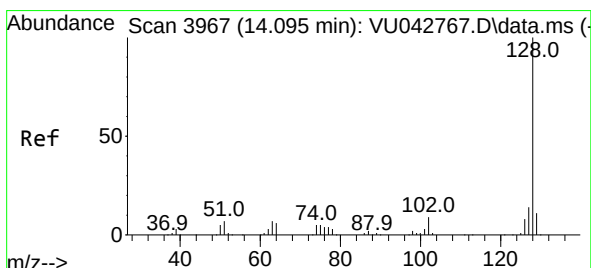
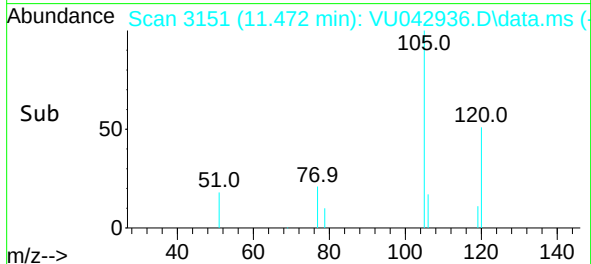
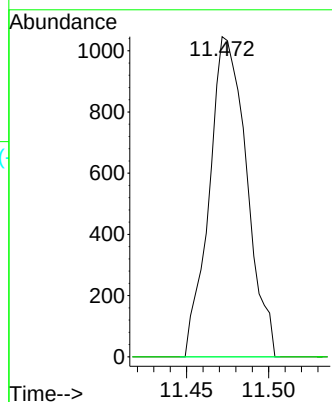
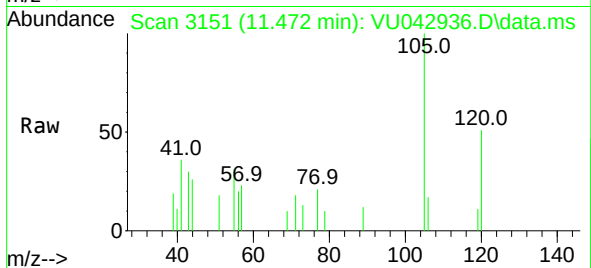




#85
sec-Butylbenzene
Concen: 0.24 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. -0.180 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 1656
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.5#



#95
Naphthalene
Concen: 3.50 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042936.D
Acq: 05 Apr 2021 17:20

Tgt Ion:128 Resp: 7227
Ion Ratio Lower Upper
128 100
127 12.0 10.9 16.3
129 11.6 8.7 13.1

