

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040521\
 Data File : VU042938.D
 Acq On : 05 Apr 2021 18:06
 Operator : SY/MD
 Sample : M1903-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 06 01:21:40 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)

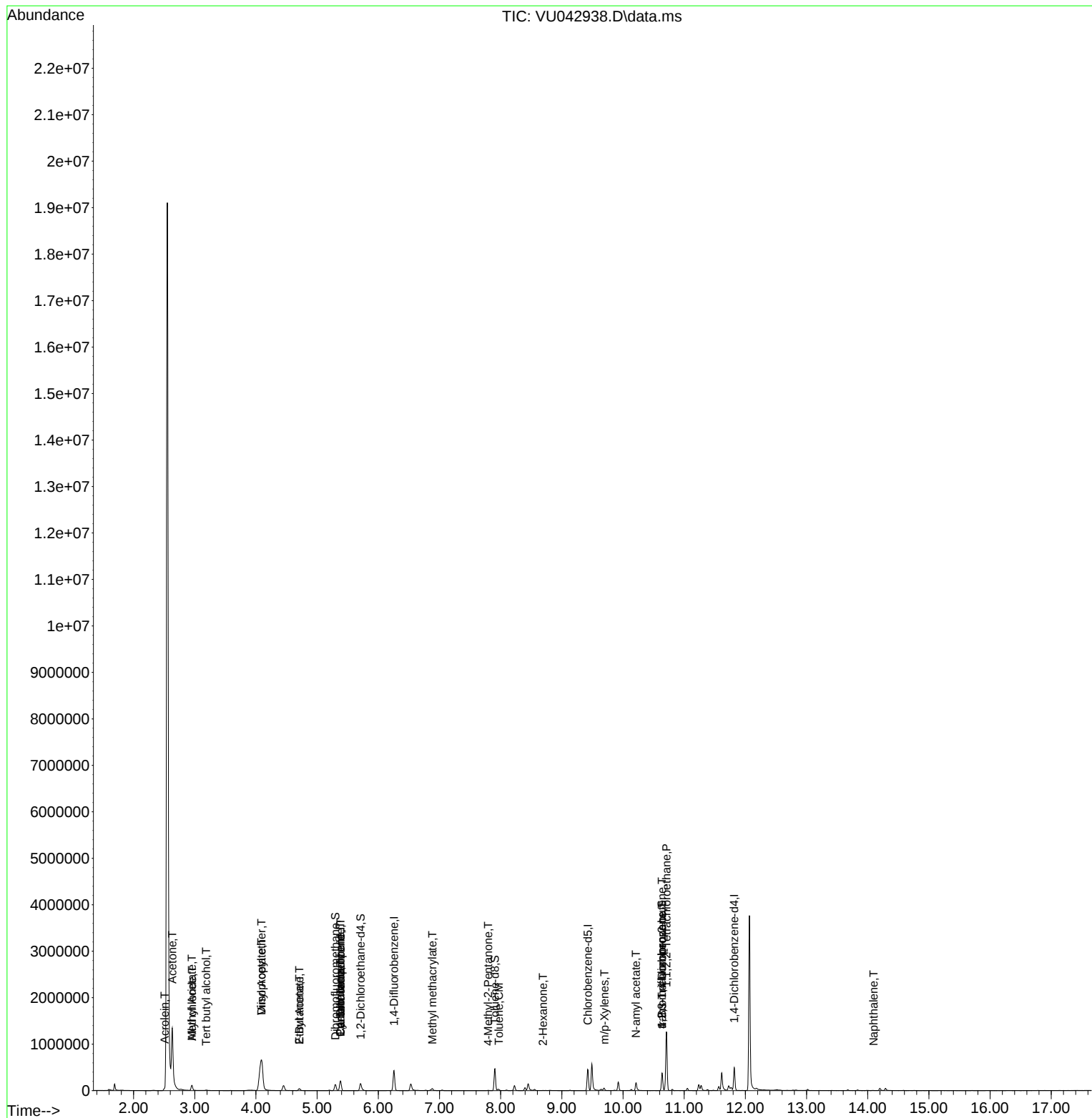
Internal Standards						
1) Pentafluorobenzene	5.382	168	143019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	231561	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	217956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	116357	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	113523	49.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.58%	
35) Dibromofluoromethane	5.298	113	80467	46.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.12%	
50) Toluene-d8	7.906	98	291361	47.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	10.639	95	111402	47.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.30%	
Target Compounds					Qvalue	
6) Chloroethane	1.948	64	173	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	10417	21.37	ug/l #	78
13) Acrolein	2.507	56	43279	258.85	ug/l #	15
14) Allyl chloride	2.954	41	1862	0.66	ug/l #	23
16) Acetone	2.633	43	1222091	1092.73	ug/l #	62
18) Methyl Acetate	2.951	43	136124	52.13	ug/l	98
22) Diisopropyl ether	4.089	45	70621	12.38	ug/l #	1
23) Vinyl Acetate	4.089	43	184200	34.69	ug/l #	76
25) 2-Butanone	4.710	43	62341	33.60	ug/l	100
31) Cyclohexane	5.379	56	3561	1.25	ug/l #	8
36) 1,1-Dichloropropene	5.379	75	11859	5.18	ug/l #	51
37) Ethyl Acetate	4.710	43	62341	17.54	ug/l #	72
38) Carbon Tetrachloride	5.382	117	14079	5.39	ug/l #	17
48) Methyl methacrylate	6.883	41	13934	5.39	ug/l #	55
49) 1,4-Dioxane	6.980	88	999	Below Cal	#	75
51) 4-Methyl-2-Pentanone	7.796	43	5790	1.55	ug/l	98
52) Toluene	7.970	92	1009	0.24	ug/l #	69
59) 2-Hexanone	8.694	43	2047	0.69	ug/l	95
68) m/p-Xylenes	9.697	106	721	0.25	ug/l	97
74) N-amyl acetate	10.211	43	43178	10.39	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	10.710	83	523059	173.75	ug/l #	33
76) 1,2,3-Trichloropropane	10.639	75	63595	21.49	ug/l #	38
81) trans-1,4-Dichloro-2-b...	10.639	75	63595	63.67	ug/l #	6
95) Naphthalene	14.095	128	1490	2.75	ug/l #	74

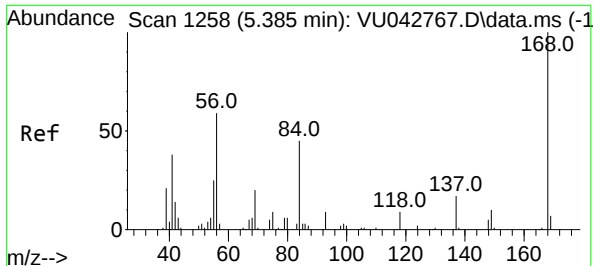
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

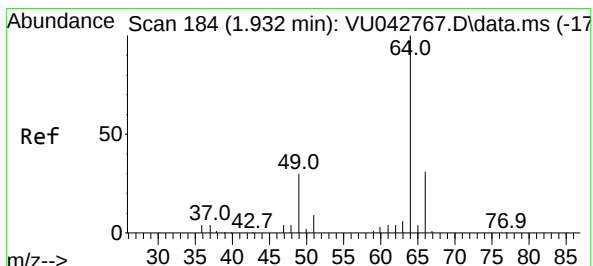
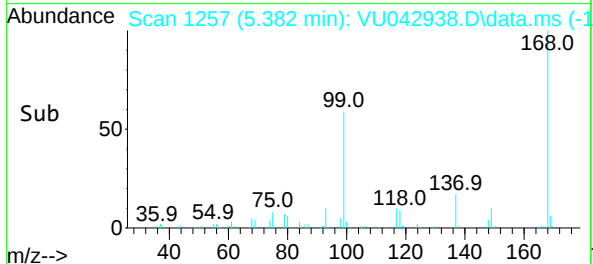
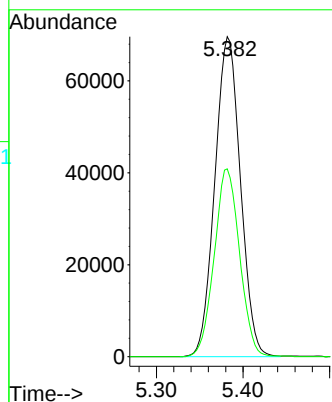
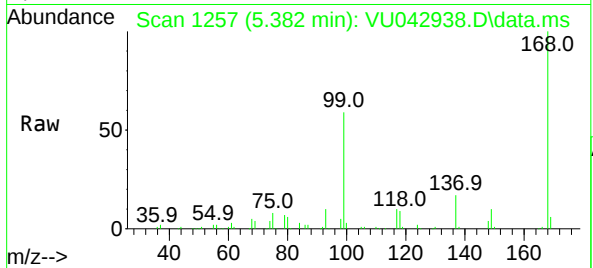




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

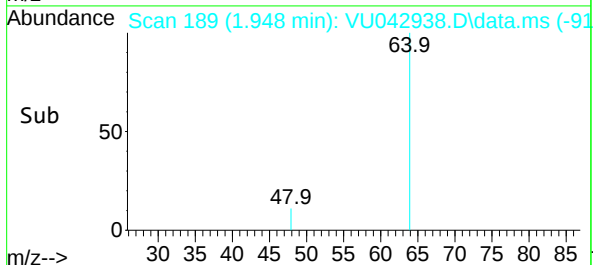
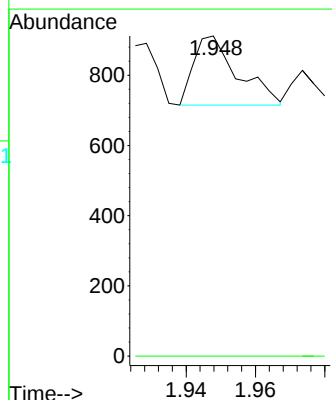
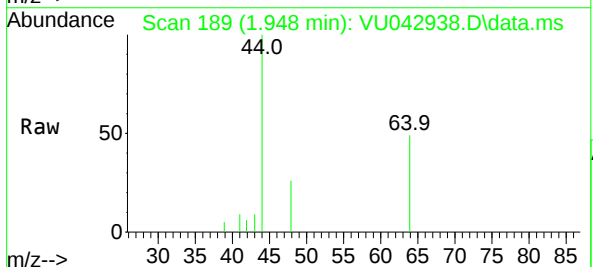
Instrument :
MSVOA_U
ClientSampleId :

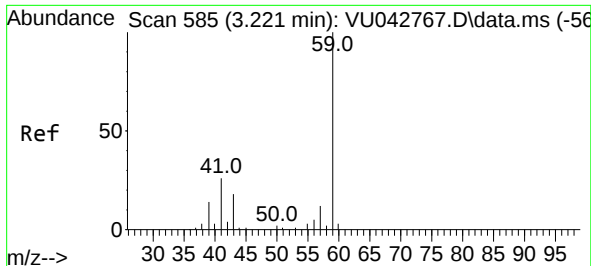
Tgt Ion:168 Resp: 143019
Ion Ratio Lower Upper
168 100
99 58.7 46.4 69.6



#6
Chloroethane
Concen: Below Cal
RT: 1.948 min Scan# 189
Delta R.T. 0.016 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

Tgt Ion: 64 Resp: 173
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#

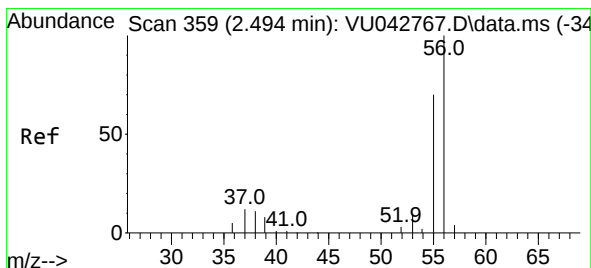
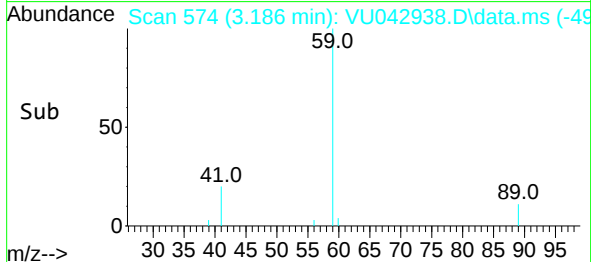
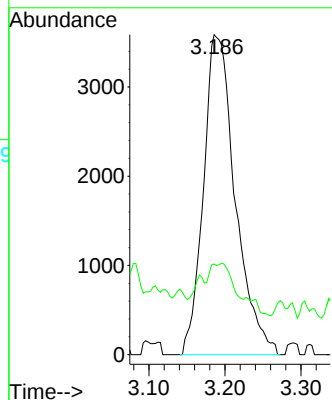
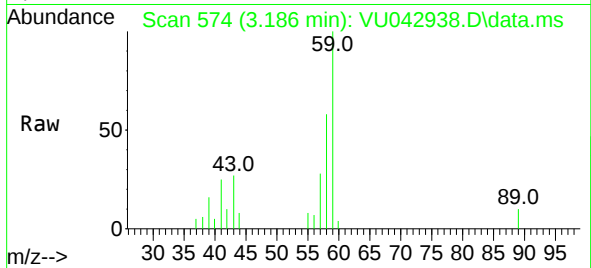




#11
Tert butyl alcohol
Concen: 21.37 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.035 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

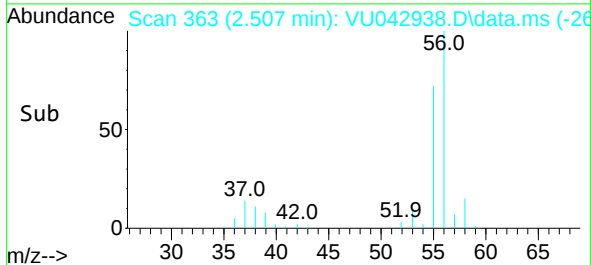
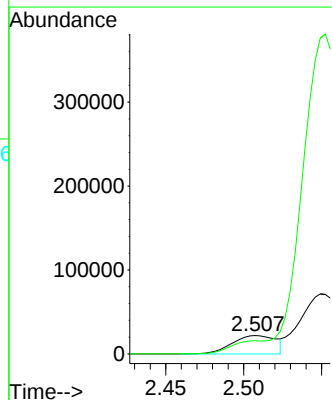
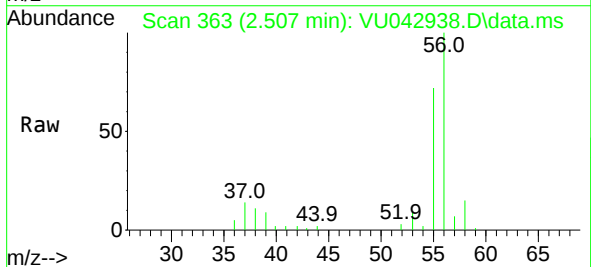
Instrument :
MSVOA_U
ClientSampled :

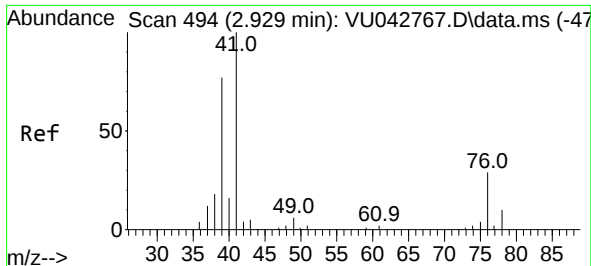
Tgt Ion: 59 Resp: 10417
Ion Ratio Lower Upper
59 100
57 1.3 7.4 11.2#



#13
Acrolein
Concen: 258.85 ug/l
RT: 2.507 min Scan# 363
Delta R.T. 0.013 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

Tgt Ion: 56 Resp: 43279
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#





#14

Allyl chloride

Concen: 0.66 ug/l

RT: 2.954 min Scan# 502

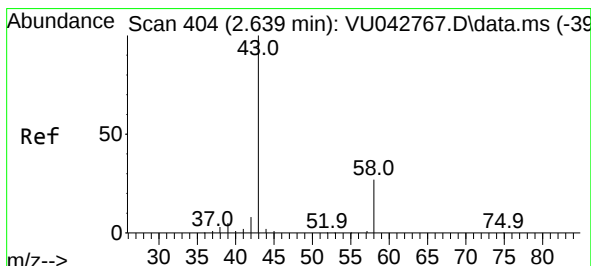
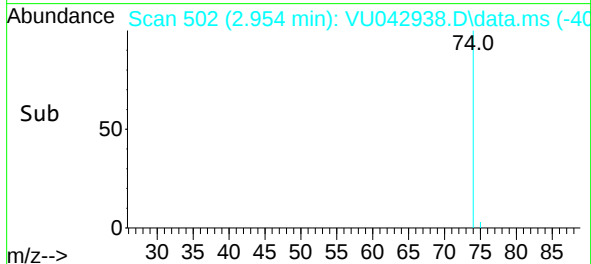
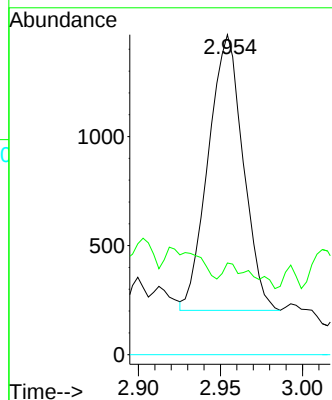
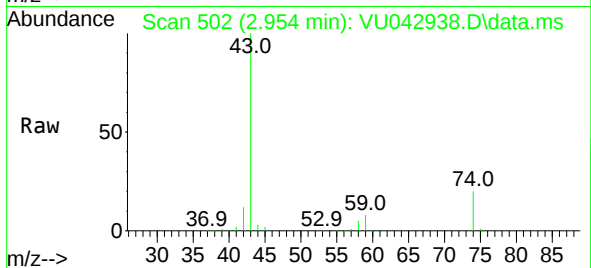
Delta R.T. 0.026 min

Lab File: VU042938.D

Acq: 05 Apr 2021 18:06

Tgt Ion:	41	Resp:	1862
Ion	Ratio	Lower	Upper
41	100		
39	0.0	57.4	86.2#
76	0.0	22.0	33.0#

Instrument :
MSVOA_U
ClientSampled :



#16

Acetone

Concen: 1092.73 ug/l

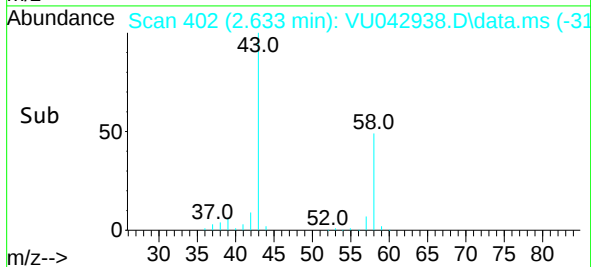
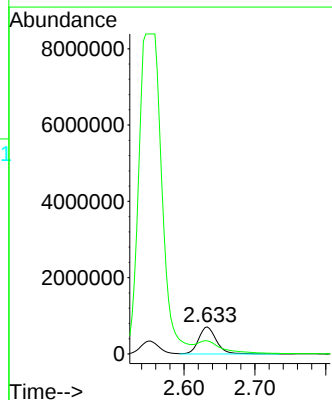
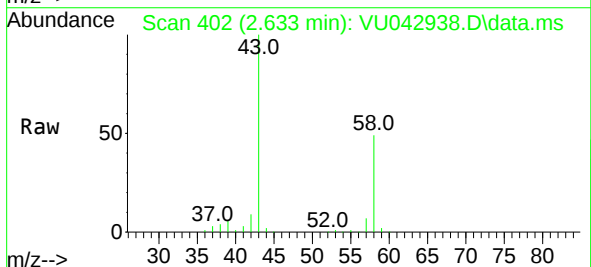
RT: 2.633 min Scan# 402

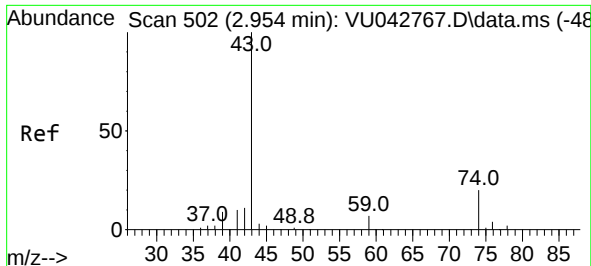
Delta R.T. -0.006 min

Lab File: VU042938.D

Acq: 05 Apr 2021 18:06

Tgt Ion:	43	Resp:	1222091
Ion	Ratio	Lower	Upper
43	100		
58	46.7	21.6	32.4#

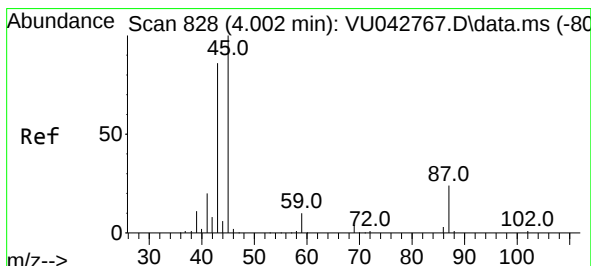
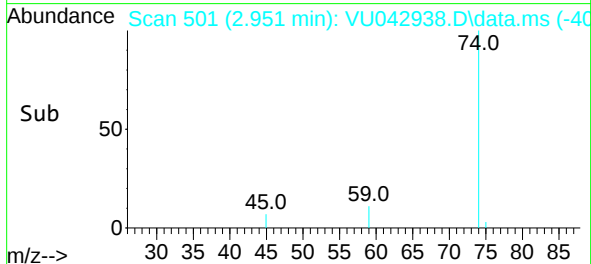
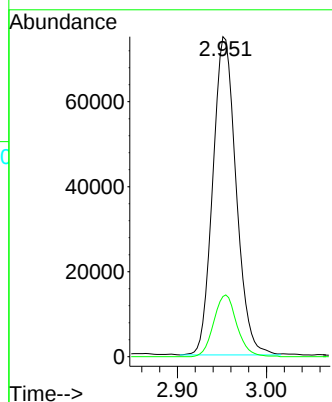
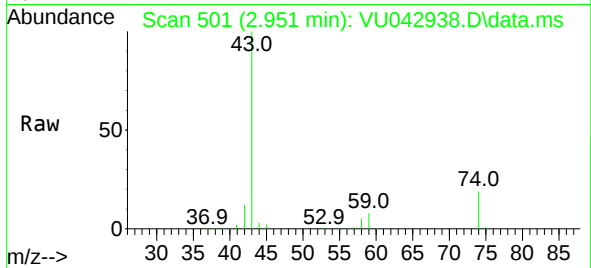




#18
Methyl Acetate
Concen: 52.13 ug/l
RT: 2.951 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

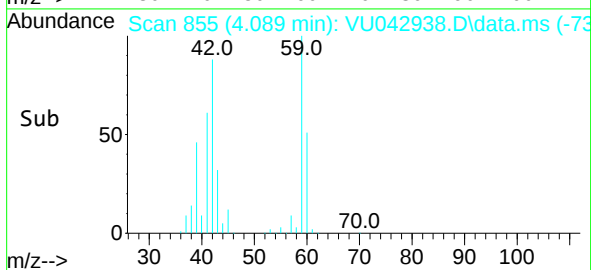
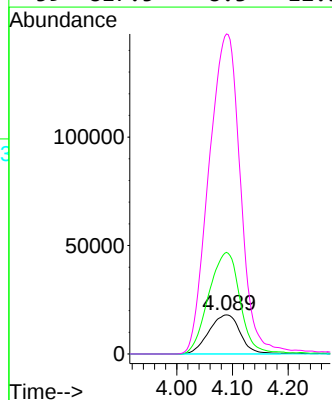
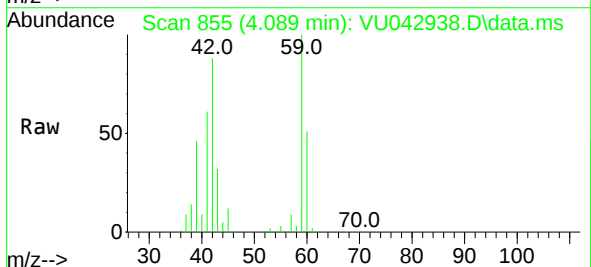
Instrument :
MSVOA_U
ClientSampleId :

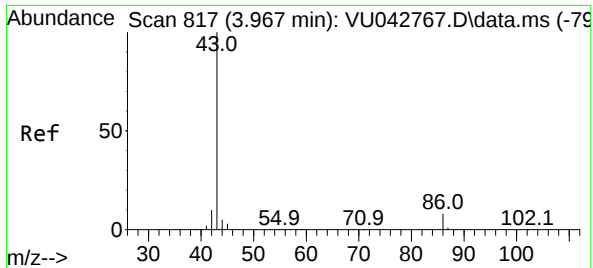
Tgt Ion: 43 Resp: 136124
Ion Ratio Lower Upper
43 100
74 19.3 16.2 24.4



#22
Diisopropyl ether
Concen: 12.38 ug/l
RT: 4.089 min Scan# 855
Delta R.T. 0.087 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

Tgt Ion: 45 Resp: 70621
Ion Ratio Lower Upper
45 100
43 259.9 68.6 102.8#
87 0.0 19.1 28.7#
59 817.5 8.3 12.5#

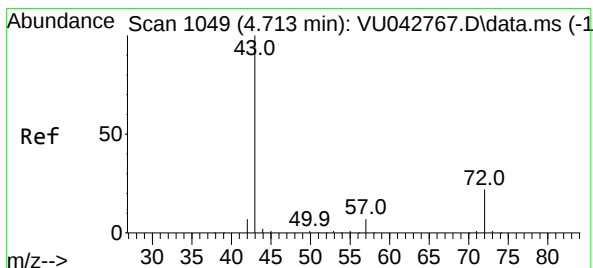
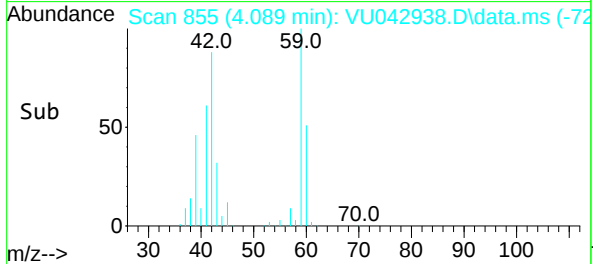
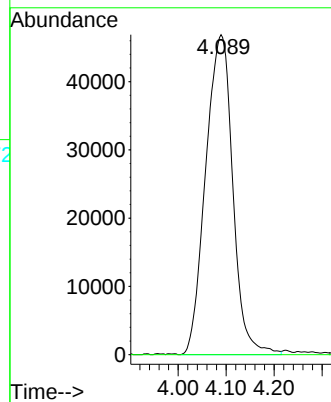
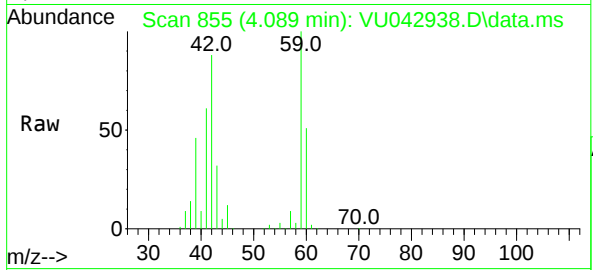




#23
 Vinyl Acetate
 Concen: 34.69 ug/l
 RT: 4.089 min Scan# 855
 Delta R.T. 0.122 min
 Lab File: VU042938.D
 Acq: 05 Apr 2021 18:06

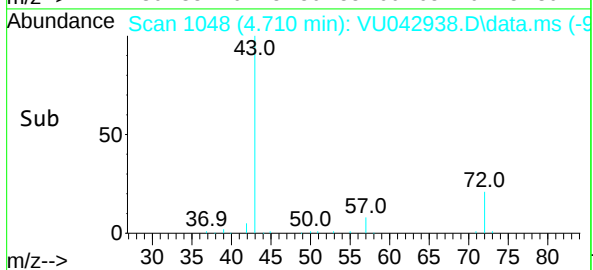
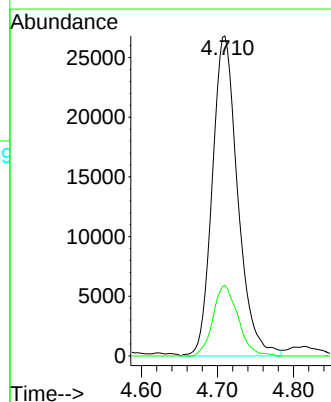
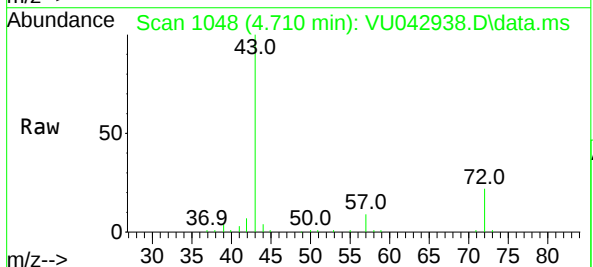
Instrument :
 MSVOA_U
 ClientSampled :

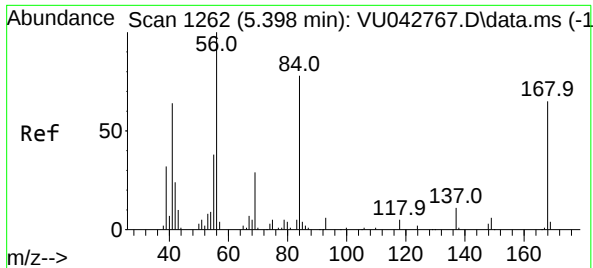
Tgt Ion: 43 Resp: 184200
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.7 10.1#



#25
 2-Butanone
 Concen: 33.60 ug/l
 RT: 4.710 min Scan# 1048
 Delta R.T. -0.003 min
 Lab File: VU042938.D
 Acq: 05 Apr 2021 18:06

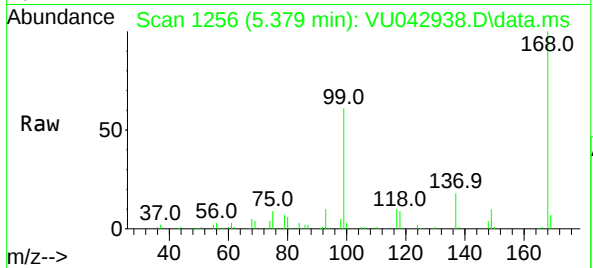
Tgt Ion: 43 Resp: 62341
 Ion Ratio Lower Upper
 43 100
 72 22.0 17.7 26.5



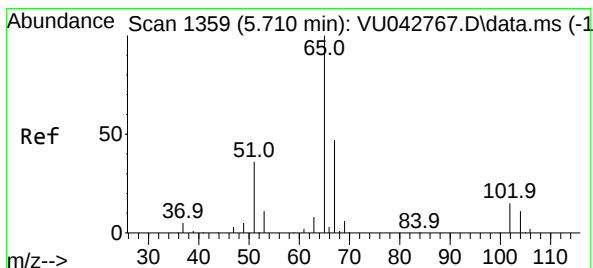
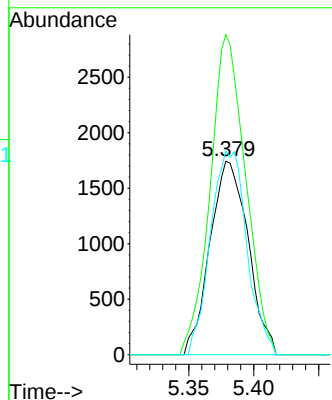
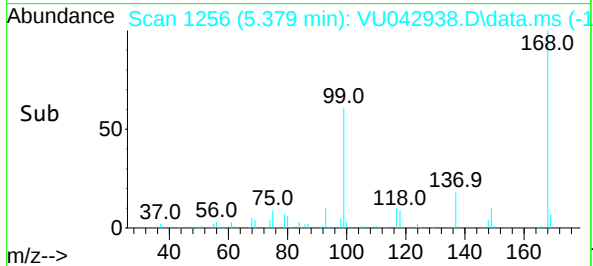


#31
Cyclohexane
Concen: 1.25 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.019 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

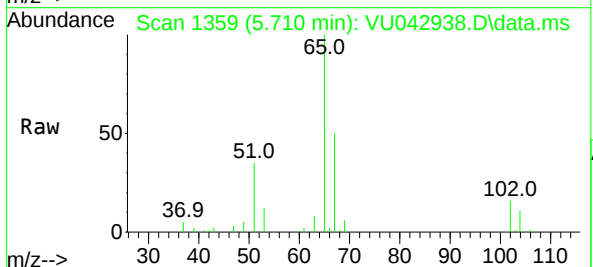
Instrument :
MSVOA_U
ClientSampleId :



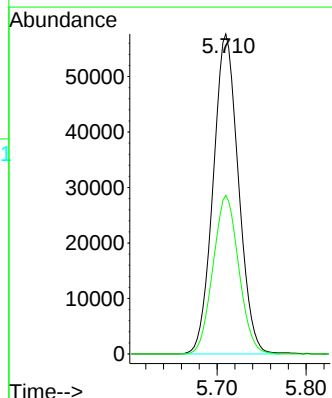
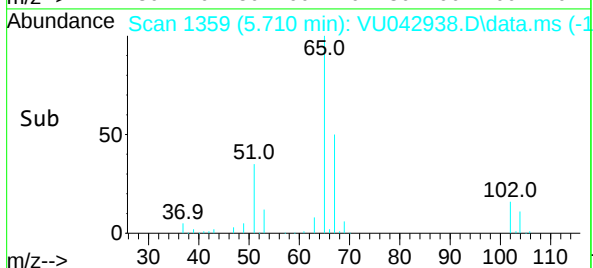
Tgt Ion: 56 Resp: 3561
Ion Ratio Lower Upper
56 100
69 165.4 23.3 34.9#
84 105.2 62.2 93.4#

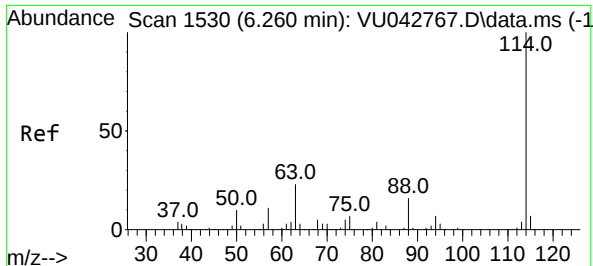


#33
1,2-Dichloroethane-d4
Concen: 49.79 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06



Tgt Ion: 65 Resp: 113523
Ion Ratio Lower Upper
65 100
67 50.5 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: VU042938.D

Acq: 05 Apr 2021 18:06

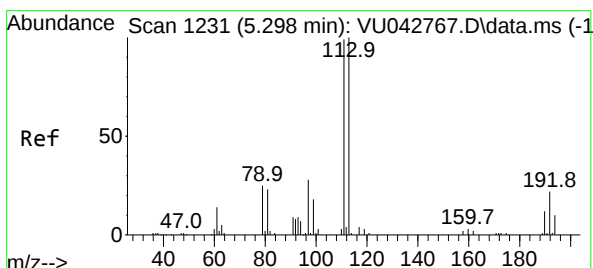
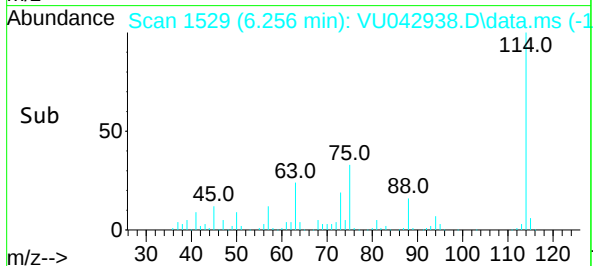
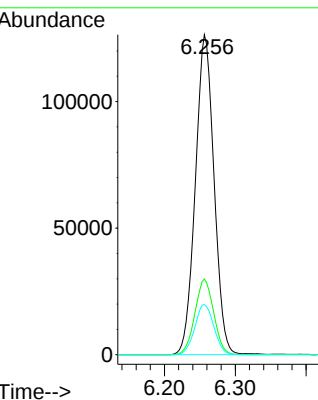
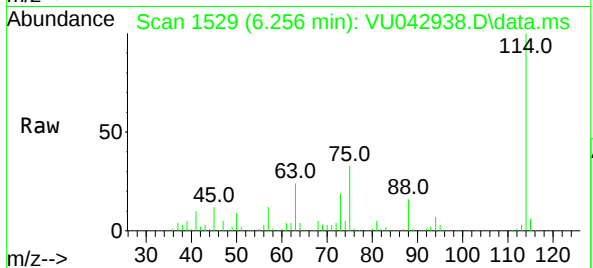
Tgt Ion:114 Resp: 231561

Ion Ratio Lower Upper

114 100

63 23.7 0.0 46.8

88 15.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.56 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VU042938.D

Acq: 05 Apr 2021 18:06

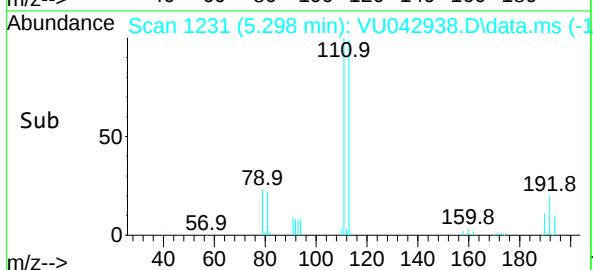
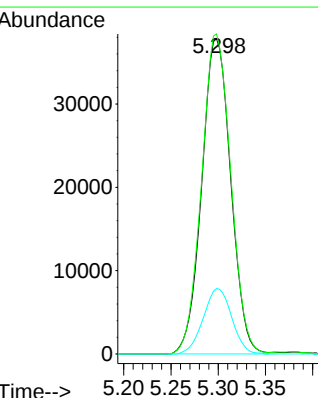
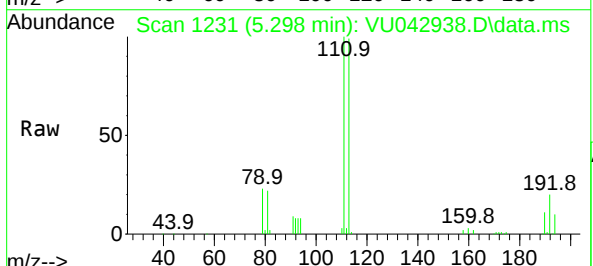
Tgt Ion:113 Resp: 80467

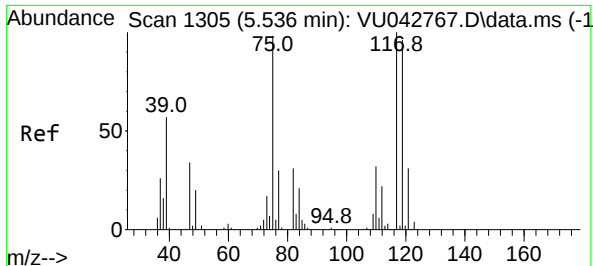
Ion Ratio Lower Upper

113 100

111 102.2 82.1 123.1

192 20.4 17.6 26.4



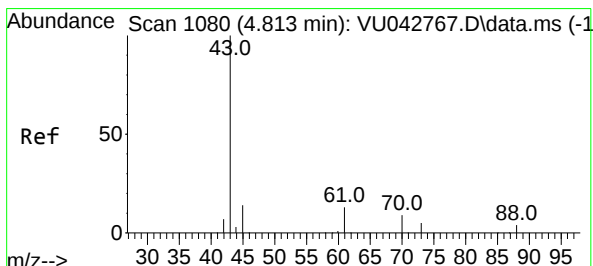
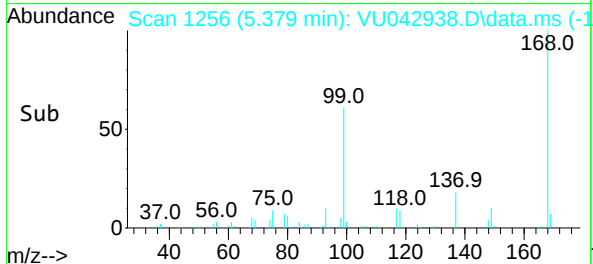
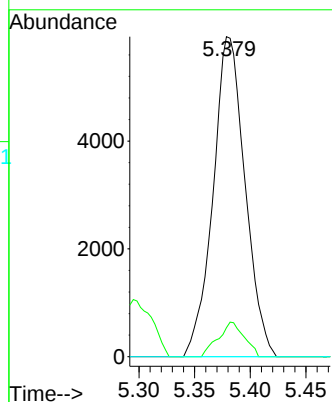
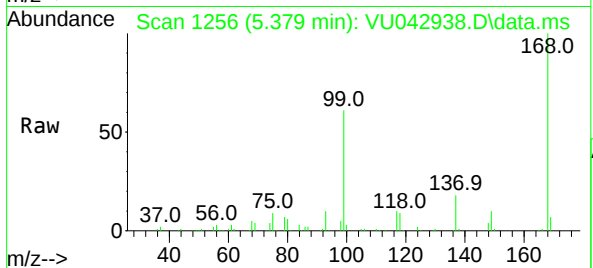


#36

1,1-Dichloropropene
Concen: 5.18 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.158 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

Instrument :
MSVOA_U
ClientSampled :

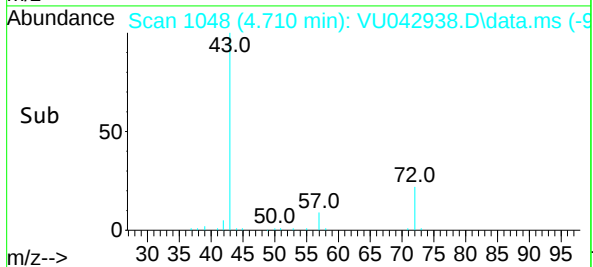
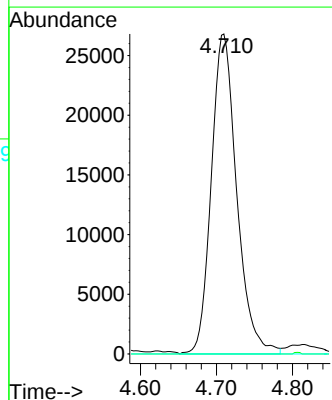
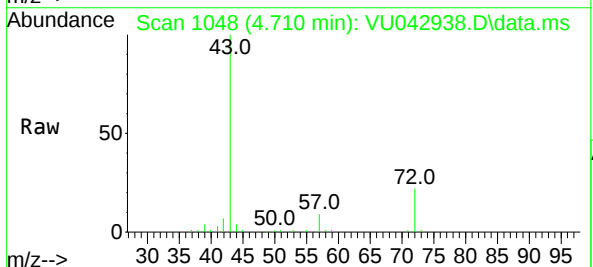
Tgt Ion: 75 Resp: 11859
Ion Ratio Lower Upper
75 100
110 8.8 16.6 49.7#
77 0.0 24.7 37.1#

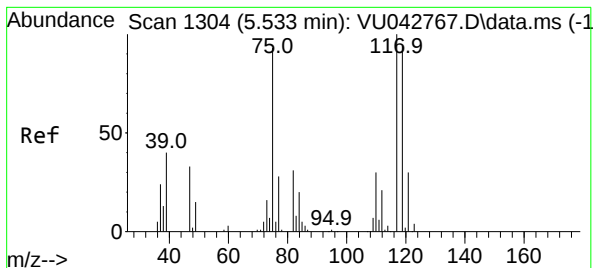


#37

Ethyl Acetate
Concen: 17.54 ug/l
RT: 4.710 min Scan# 1048
Delta R.T. -0.103 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

Tgt Ion: 43 Resp: 62341
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 6.6 9.8#





#38

Carbon Tetrachloride

Concen: 5.39 ug/l

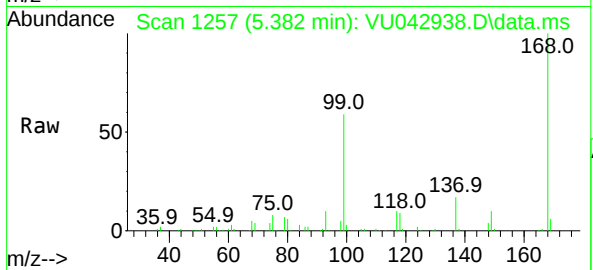
RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

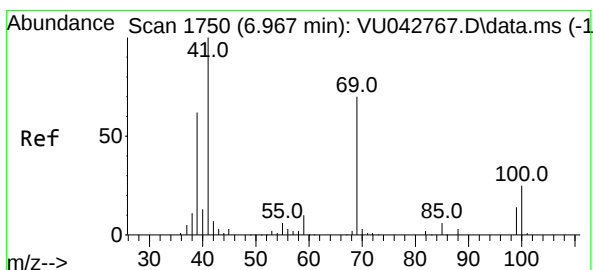
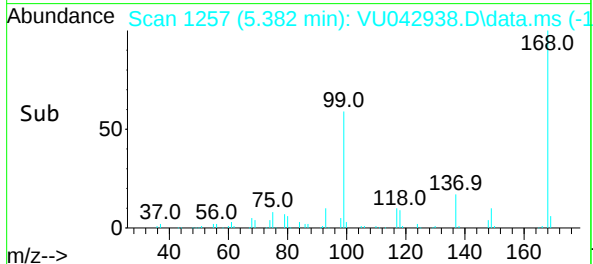
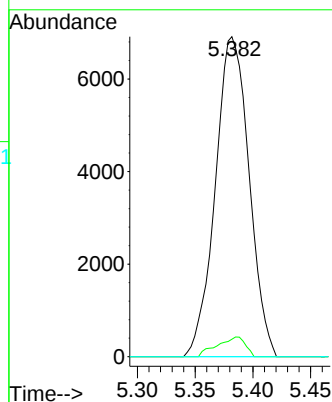
Lab File: VU042938.D

Acq: 05 Apr 2021 18:06

Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:	117	Resp:	14079
Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.2	112.8#
121	0.0	24.2	36.4#



#48

Methyl methacrylate

Concen: 5.39 ug/l

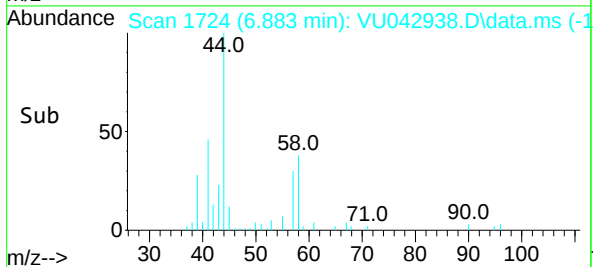
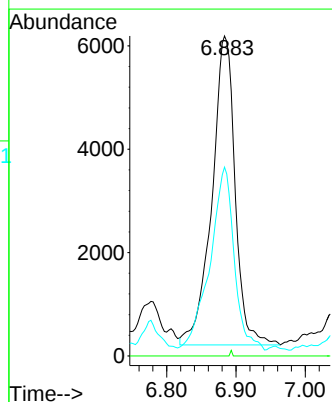
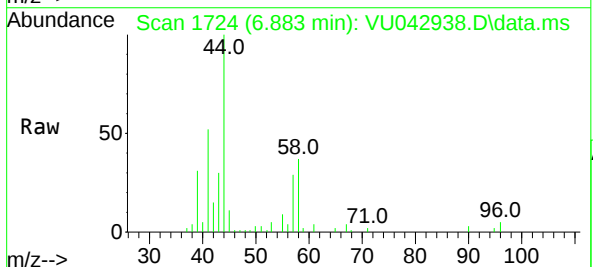
RT: 6.883 min Scan# 1724

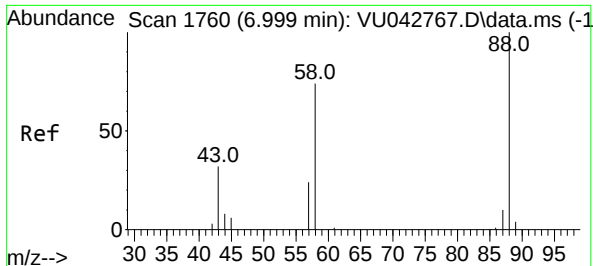
Delta R.T. -0.084 min

Lab File: VU042938.D

Acq: 05 Apr 2021 18:06

Tgt Ion:	41	Resp:	13934
Ion	Ratio	Lower	Upper
41	100		
69	0.2	55.9	83.9#
39	61.6	49.7	74.5





#49

1,4-Dioxane

Concen: Below Cal

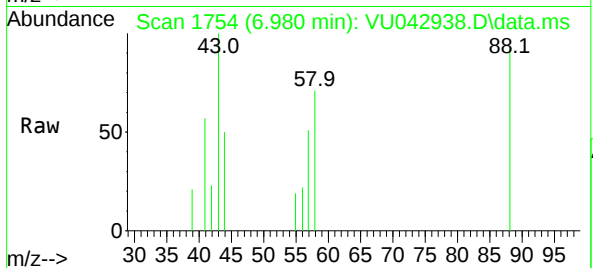
RT: 6.980 min Scan# 1754

Delta R.T. -0.019 min

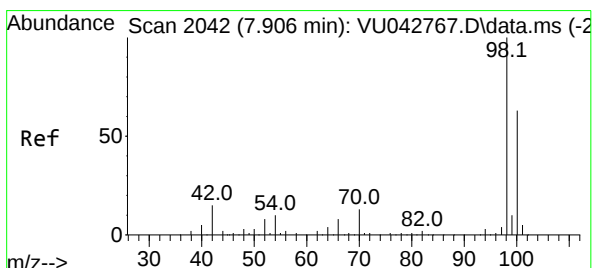
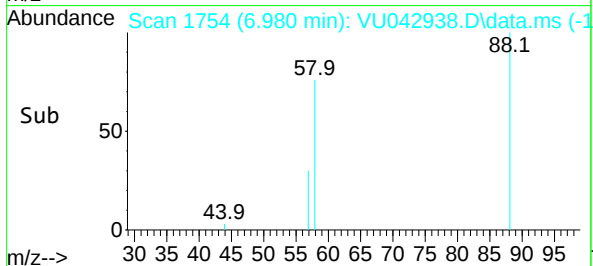
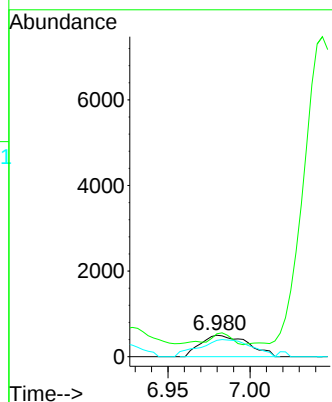
Lab File: VU042938.D

Acq: 05 Apr 2021 18:06

Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:	88	Resp:	999
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.4	38.0#
58	88.1	62.5	93.7



#50

Toluene-d8

Concen: 47.92 ug/l

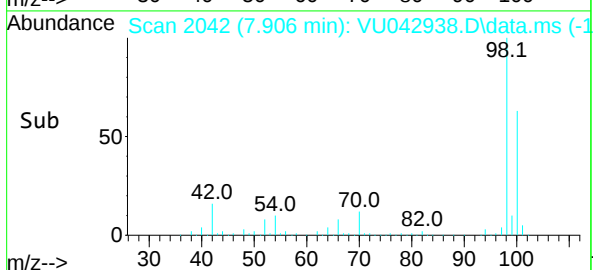
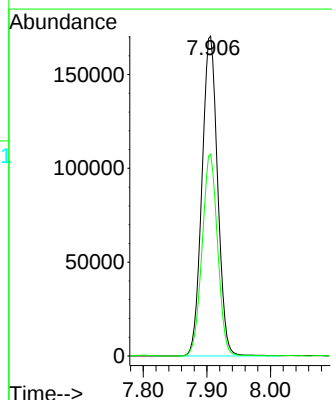
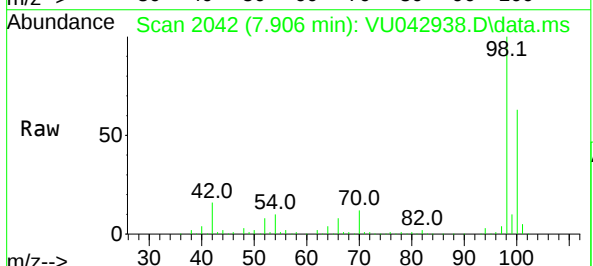
RT: 7.906 min Scan# 2042

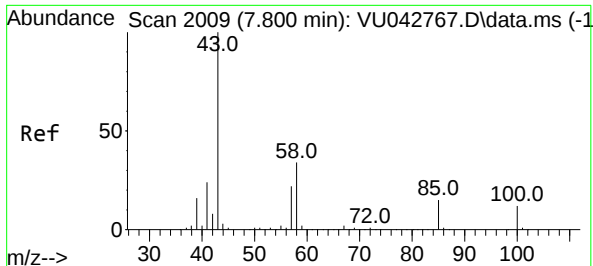
Delta R.T. -0.000 min

Lab File: VU042938.D

Acq: 05 Apr 2021 18:06

Tgt Ion:	98	Resp:	291361
Ion	Ratio	Lower	Upper
98	100		
100	62.4	50.4	75.6

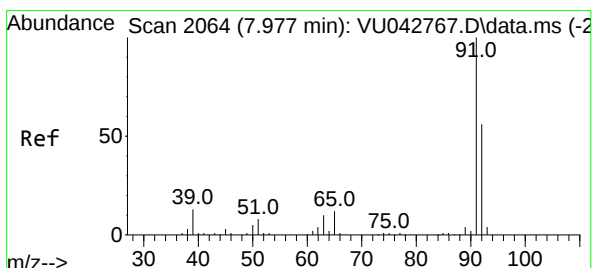
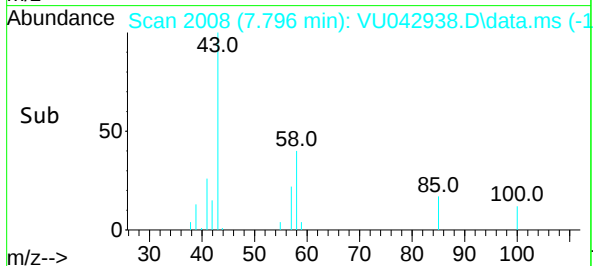
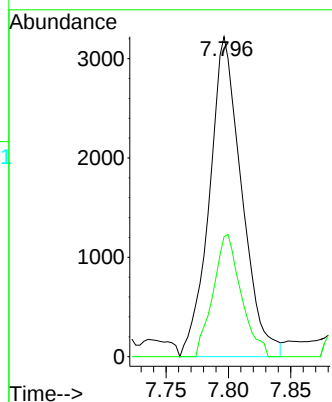
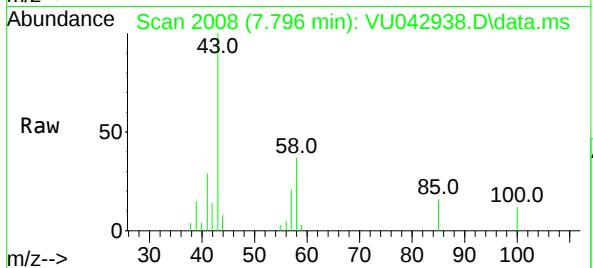




#51
4-Methyl-2-Pentanone
Concen: 1.55 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

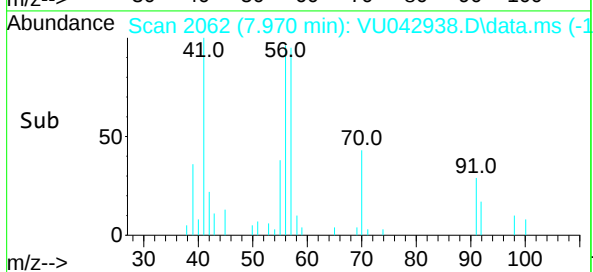
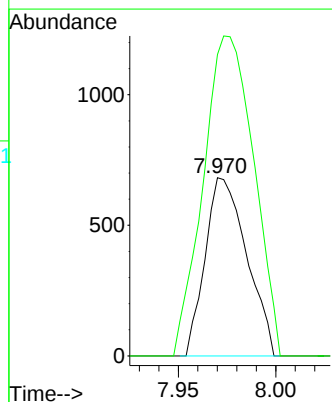
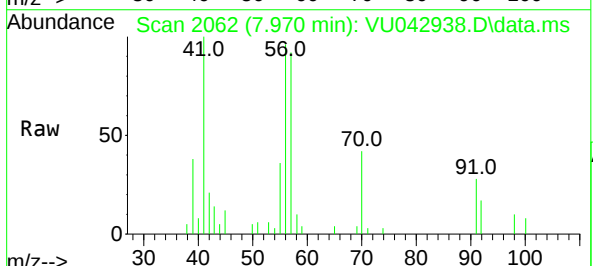
Instrument :
MSVOA_U
ClientSampled :

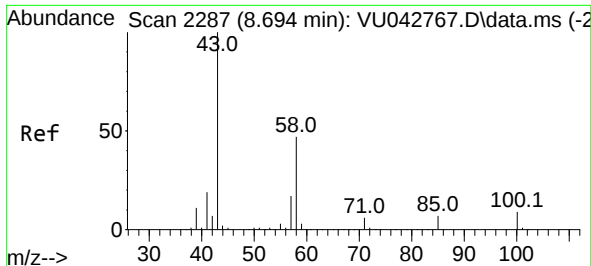
Tgt Ion: 43 Resp: 5790
Ion Ratio Lower Upper
43 100
58 33.2 27.4 41.2



#52
Toluene
Concen: 0.24 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. -0.007 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

Tgt Ion: 92 Resp: 1009
Ion Ratio Lower Upper
92 100
91 218.6 140.6 210.8#

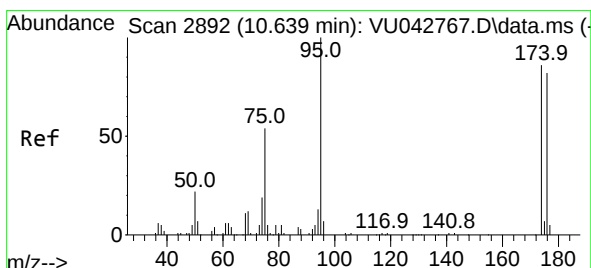
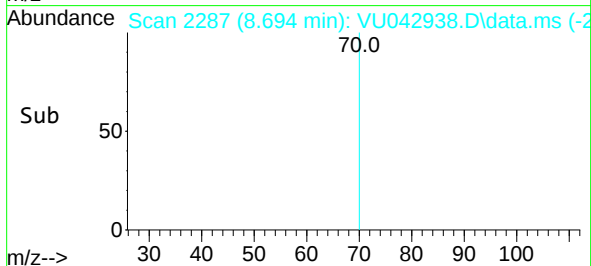
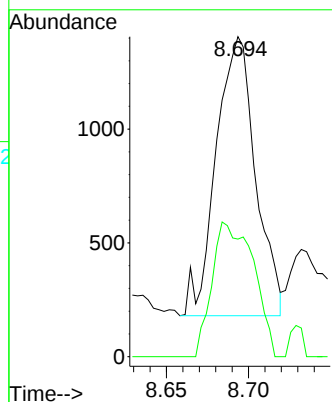
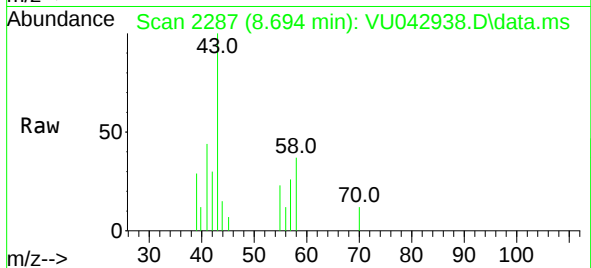




#59
2-Hexanone
Concen: 0.69 ug/l
RT: 8.694 min Scan# 2287
Delta R.T. -0.000 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

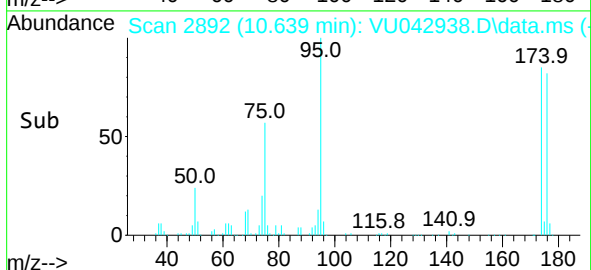
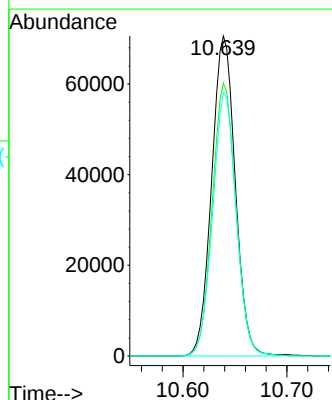
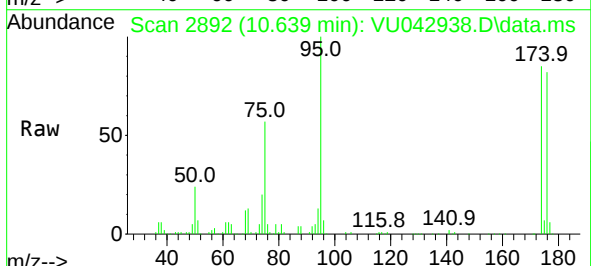
Instrument :
MSVOA_U
ClientSampled :

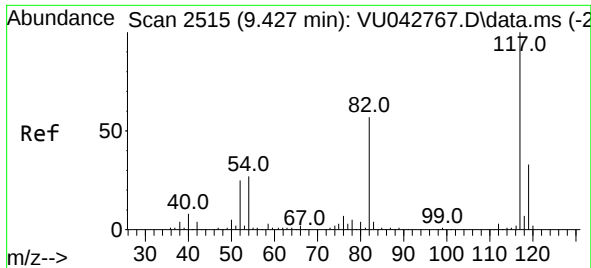
Tgt Ion: 43 Resp: 2047
Ion Ratio Lower Upper
43 100
58 50.7 23.8 71.2



#62
4-Bromofluorobenzene
Concen: 47.15 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

Tgt Ion: 95 Resp: 111402
Ion Ratio Lower Upper
95 100
174 85.6 0.0 175.2
176 82.3 0.0 167.4

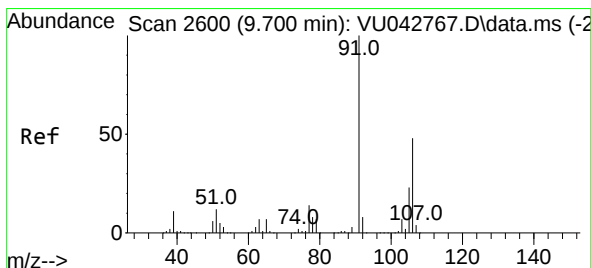
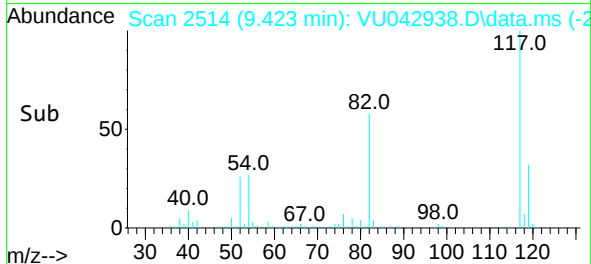
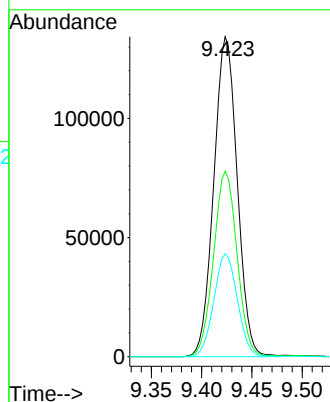
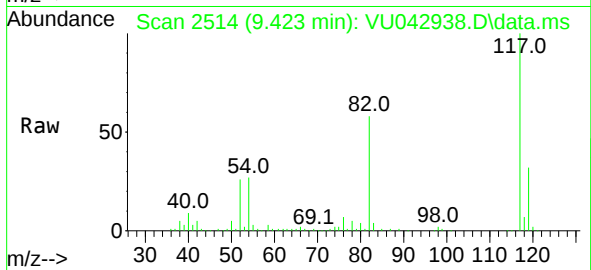




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

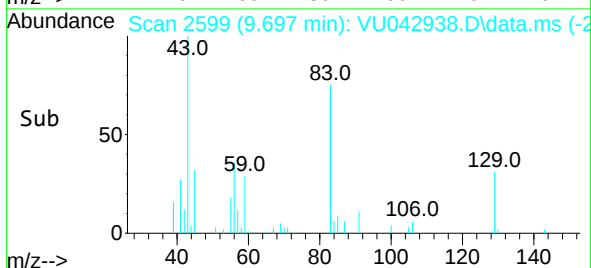
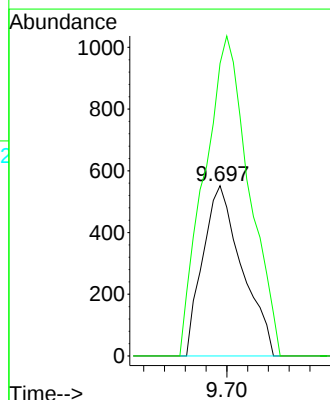
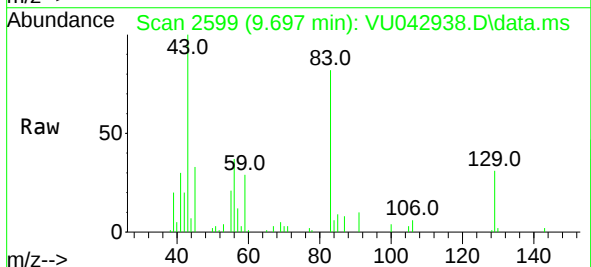
Instrument :
MSVOA_U
ClientSampleId :

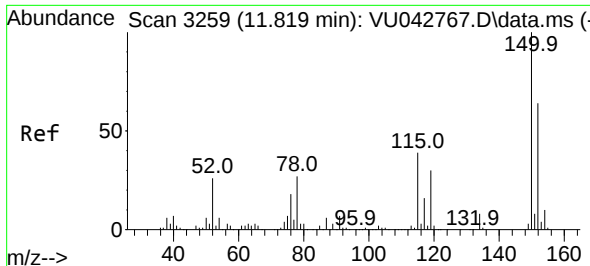
Tgt Ion:117 Resp: 217956
Ion Ratio Lower Upper
117 100
82 58.0 45.5 68.3
119 32.2 26.2 39.4



#68
m/p-Xylenes
Concen: 0.25 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.003 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

Tgt Ion:106 Resp: 721
Ion Ratio Lower Upper
106 100
91 214.7 168.3 252.5

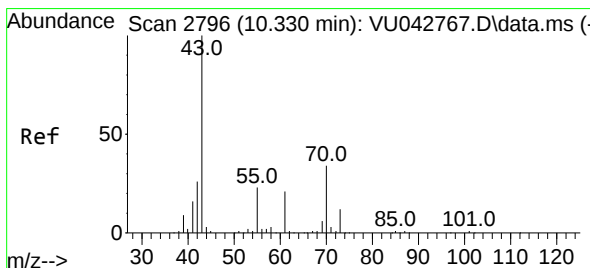
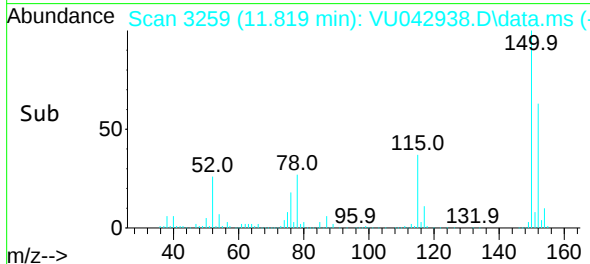
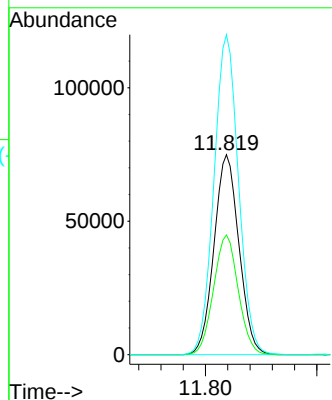
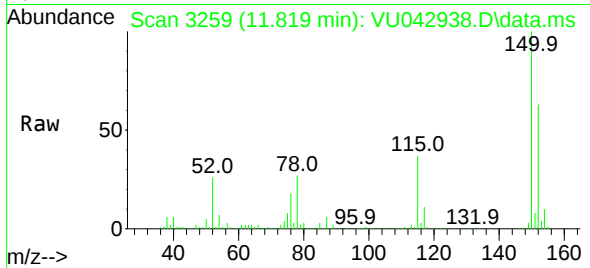




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

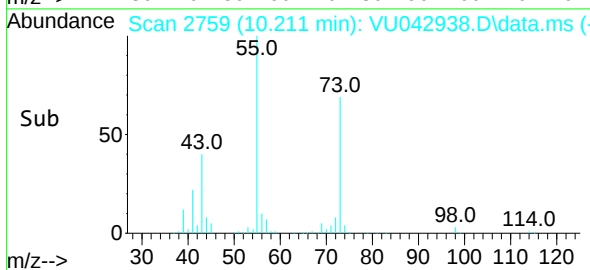
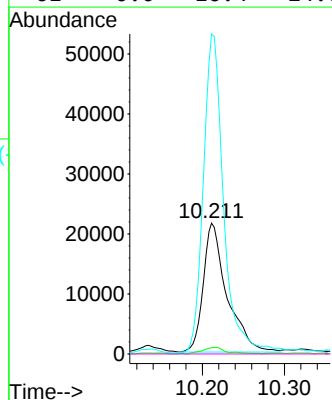
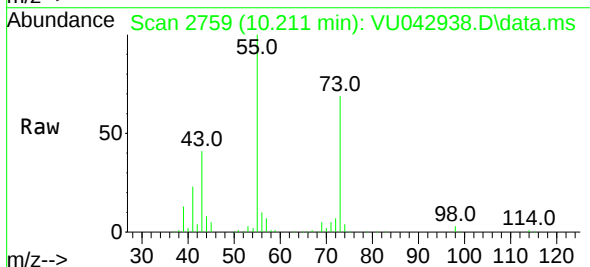
Instrument :
MSVOA_U
ClientSampleId :

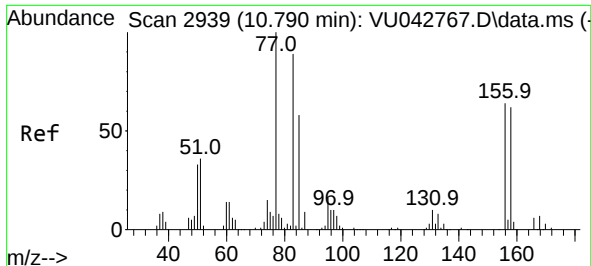
Tgt Ion:152 Resp: 116357
Ion Ratio Lower Upper
152 100
115 59.3 41.0 123.0
150 157.6 0.0 341.0



#74
N-ethyl acetate
Concen: 10.39 ug/l
RT: 10.211 min Scan# 2759
Delta R.T. -0.119 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

Tgt Ion: 43 Resp: 43178
Ion Ratio Lower Upper
43 100
70 4.4 27.8 41.6#
55 212.3 18.4 27.6#
61 0.0 16.4 24.6#

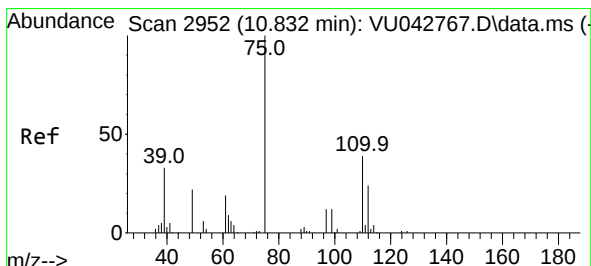
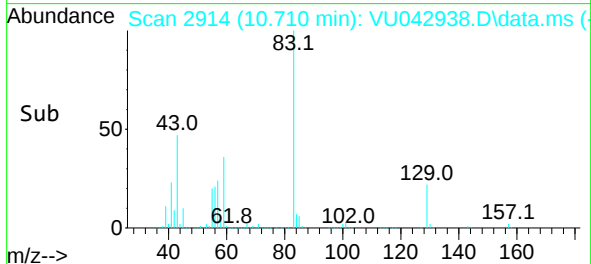
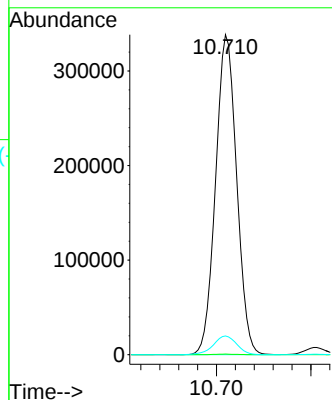
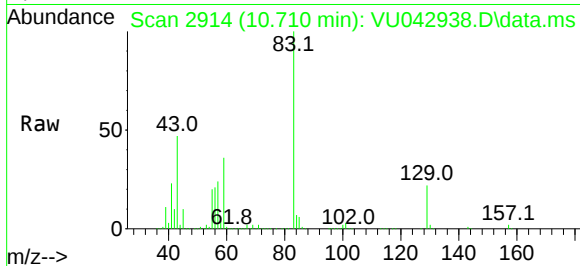




#75
 1,1,2,2-Tetrachloroethane
 Concen: 173.75 ug/l
 RT: 10.710 min Scan# 2914
 Delta R.T. -0.080 min
 Lab File: VU042938.D
 Acq: 05 Apr 2021 18:06

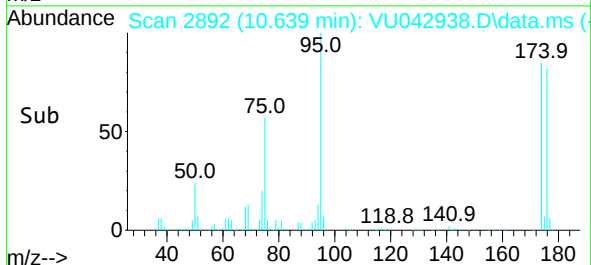
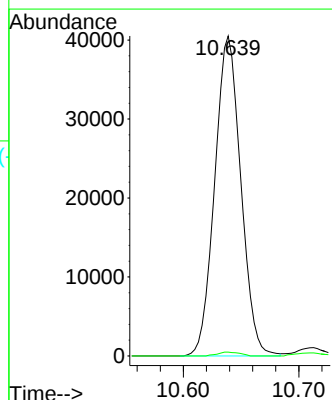
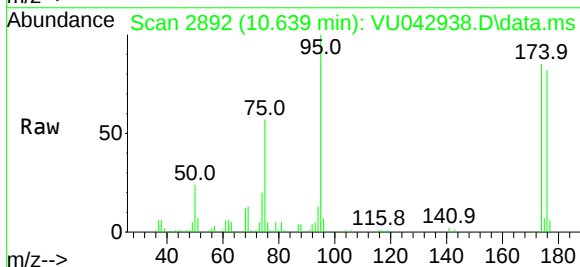
Instrument :
 MSVOA_U
 ClientSampleId :

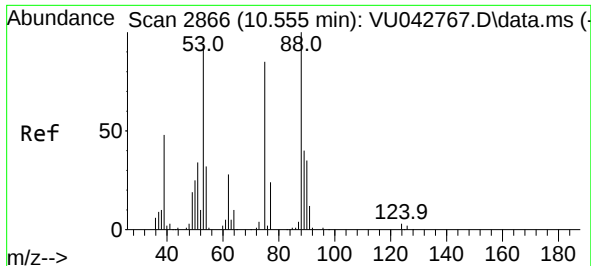
Tgt Ion: 83 Resp: 523059
 Ion Ratio Lower Upper
 83 100
 131 0.2 5.1 15.2#
 85 6.5 32.0 96.2#



#76
 1,2,3-Trichloropropane
 Concen: 21.49 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU042938.D
 Acq: 05 Apr 2021 18:06

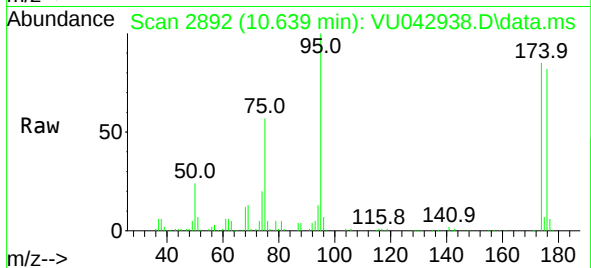
Tgt Ion: 75 Resp: 63595
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.6 58.8#



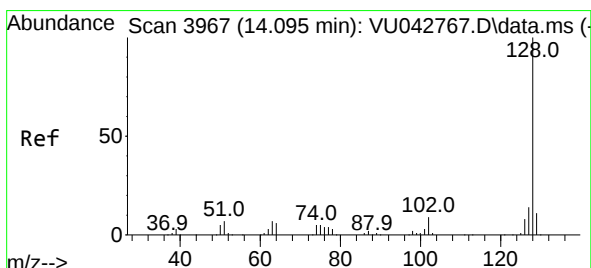
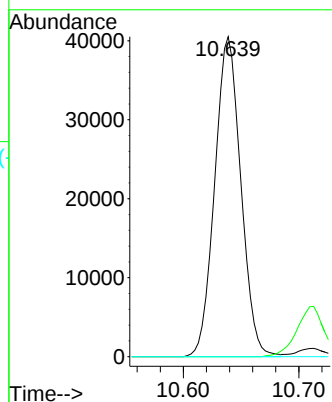
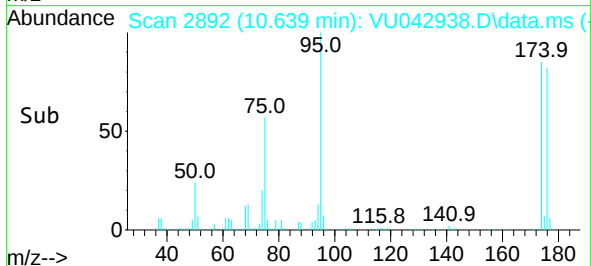


#81
trans-1,4-Dichloro-2-butene
Concen: 63.67 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06

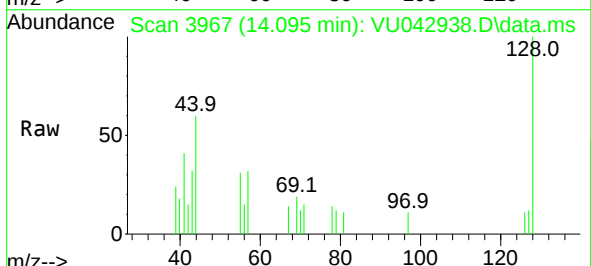
Instrument :
MSVOA_U
ClientSampled :



Tgt Ion: 75 Resp: 63595
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 2.75 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042938.D
Acq: 05 Apr 2021 18:06



Tgt Ion:128 Resp: 1490
Ion Ratio Lower Upper
128 100
127 4.2 10.9 16.3#
129 0.0 8.7 13.1#

