

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044096.D
 Acq On : 08 Jun 2021 07:36
 Operator : SY/MD
 Sample : M2613-19
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

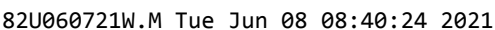
Quant Time: Jun 08 08:40:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 08 05:21:34 2021
 Response via : Initial Calibration

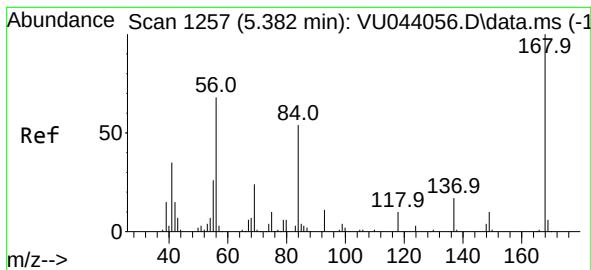
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.382	168	204154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	416138	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	450866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	215621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	188529	53.025	ug/l	0.00
Spiked Amount	50.000		Recovery	= 106.040%		
35) Dibromofluoromethane	5.298	113	143039	48.167	ug/l	0.00
Spiked Amount	50.000		Recovery	= 96.340%		
50) Toluene-d8	7.906	98	580279	50.659	ug/l	0.00
Spiked Amount	50.000		Recovery	= 101.320%		
62) 4-Bromofluorobenzene	10.639	95	227032	50.061	ug/l	0.00
Spiked Amount	50.000		Recovery	= 100.120%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	1094	0.259	ug/l	98
5) Bromomethane	1.839	94	502	0.320	ug/l	85
11) Tert butyl alcohol	3.192	59	5313	6.027	ug/l #	72
16) Acetone	2.636	43	11974	5.835	ug/l	96
18) Methyl Acetate	2.957	43	2010	0.444	ug/l #	88
20) Methylene Chloride	3.051	84	21078	5.331	ug/l	96
25) 2-Butanone	4.723	43	3668	1.253	ug/l	97
29) Tetrahydrofuran	5.067	42	1030	0.634	ug/l	93
31) Cyclohexane	5.379	56	4991	1.017	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19341	4.125	ug/l #	50
38) Carbon Tetrachloride	5.382	117	22436	5.296	ug/l #	17
41) Methacrylonitrile	5.067	41	652	0.210	ug/l #	42
43) Isopropyl Acetate	5.922	43	27902	3.341	ug/l	99
45) 1,2-Dichloropropane	7.051	63	2409	0.625	ug/l #	42
48) Methyl methacrylate	6.903	41	9851	2.392	ug/l #	14
49) 1,4-Dioxane	7.047	88	133	1.314	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	6628	1.069	ug/l	100
54) cis-1,3-Dichloropropene	7.745	75	47014	8.200	ug/l #	66
56) Ethyl methacrylate	8.465	69	303	3.431	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	32294	5.115	ug/l #	43
59) 2-Hexanone	8.735	43	435669	90.393	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	118930	19.717	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	118930	57.574	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.475	105	202	0.963	ug/l #	32
95) Naphthalene	14.098	128	1102	2.916	ug/l #	72

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

Quant Time: Jun 08 08:40:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 08 05:21:34 2021
Response via : Initial Calibration

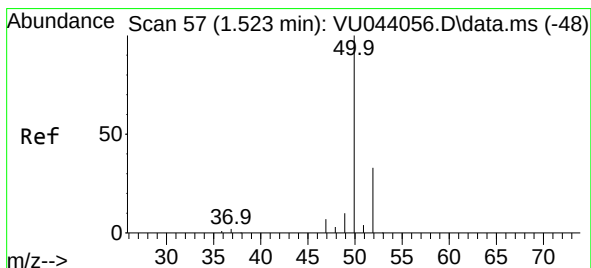
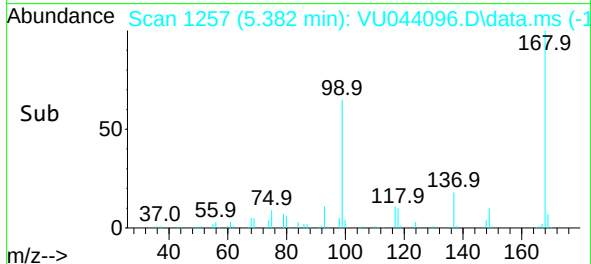
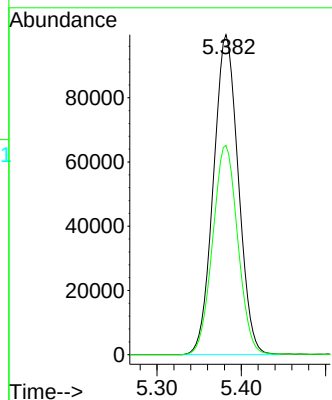
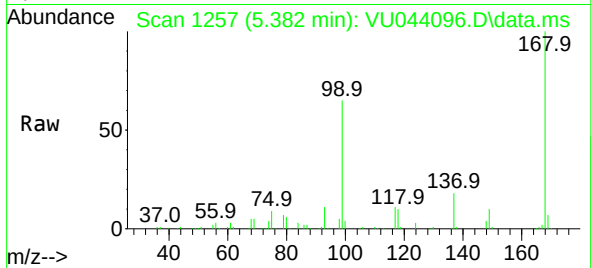




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

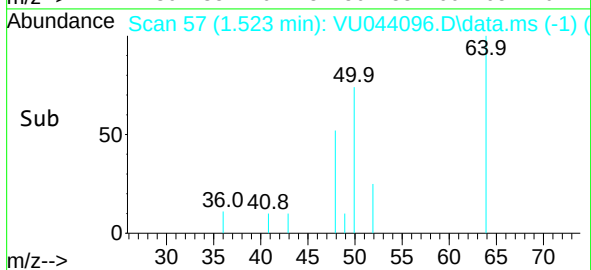
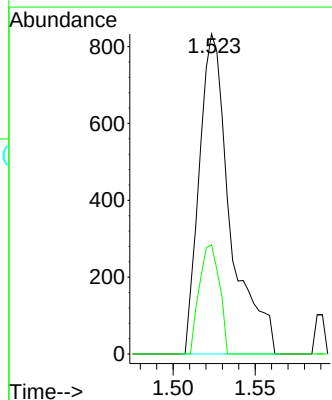
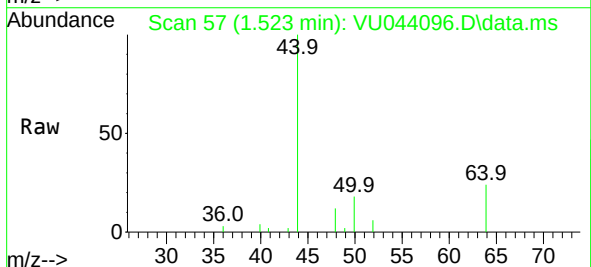
Instrument :
MSVOA_U
ClientSampled :

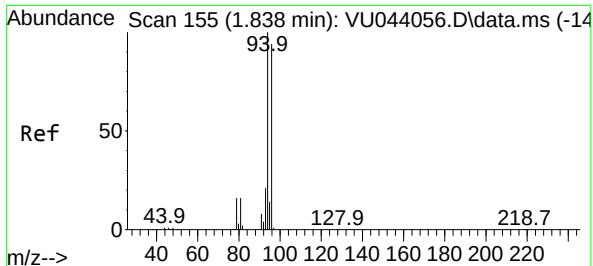
Tgt Ion:168 Resp: 204154
Ion Ratio Lower Upper
168 100
99 65.4 52.6 78.8



#3
Chloromethane
Concen: 0.259 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

Tgt Ion: 50 Resp: 1094
Ion Ratio Lower Upper
50 100
52 34.1 26.2 39.2

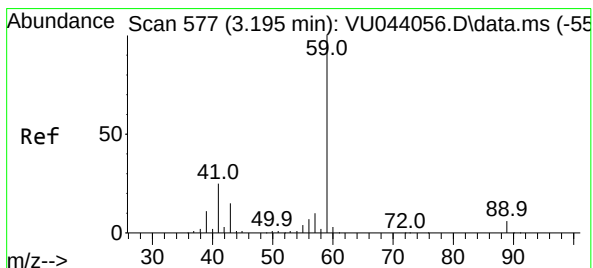
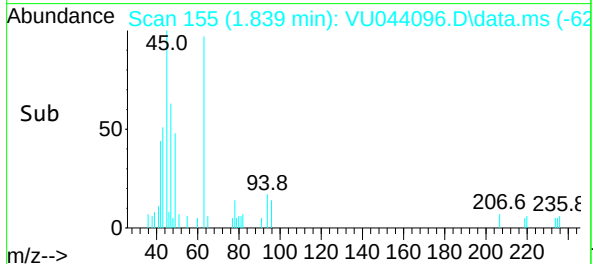
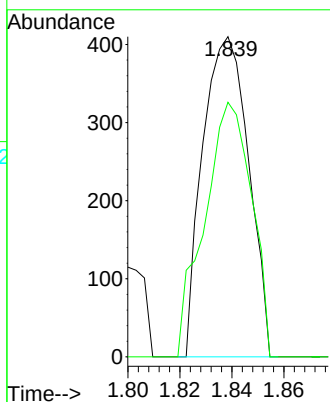
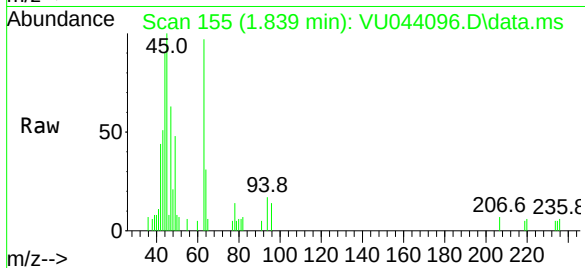




#5
Bromomethane
Concen: 0.320 ug/l
RT: 1.839 min Scan# 155
Delta R.T. 0.000 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

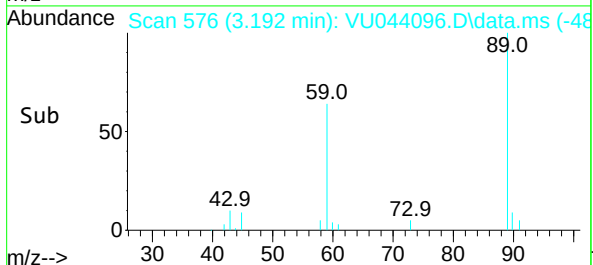
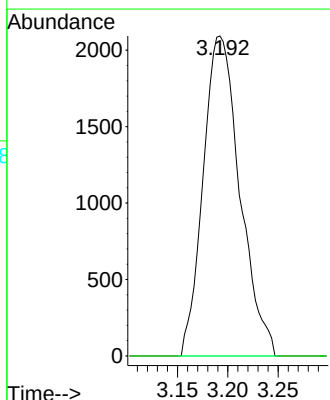
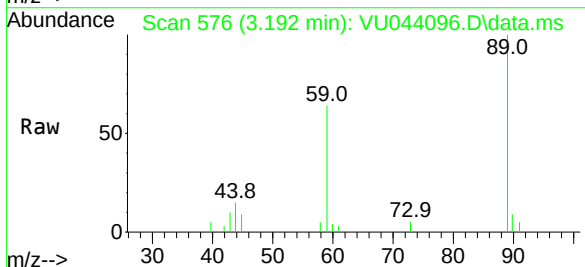
Instrument :
MSVOA_U
ClientSampleId :

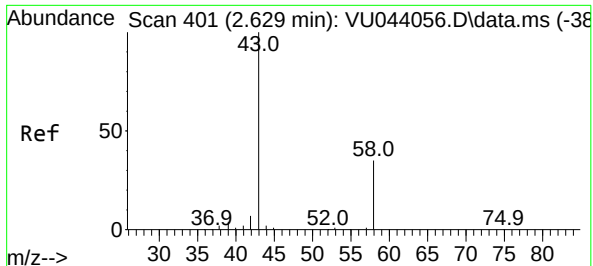
Tgt Ion: 94 Resp: 502
Ion Ratio Lower Upper
94 100
96 79.5 74.8 112.2



#11
Tert butyl alcohol
Concen: 6.027 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

Tgt Ion: 59 Resp: 5313
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

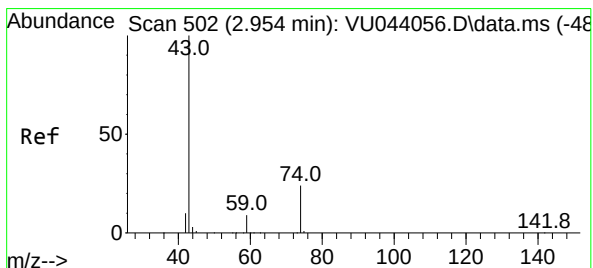
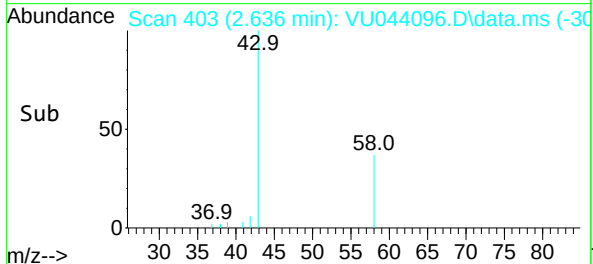
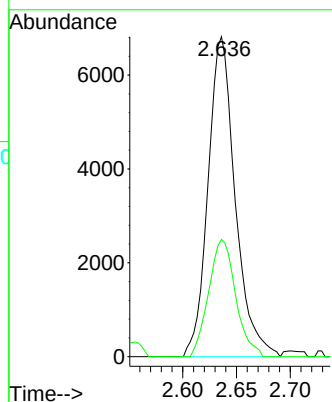
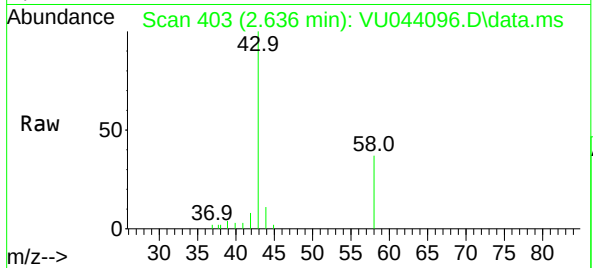




#16
Acetone
Concen: 5.835 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.006 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

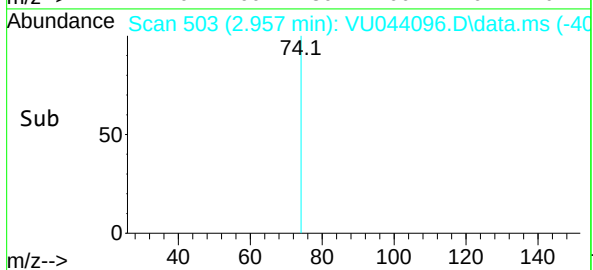
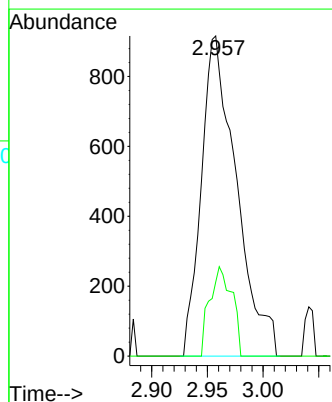
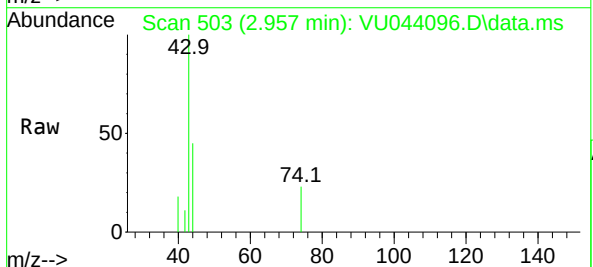
Instrument :
MSVOA_U
ClientSampled :

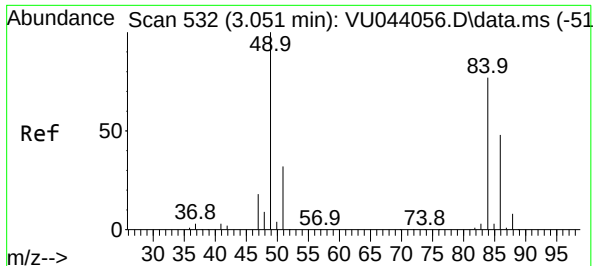
Tgt Ion: 43 Resp: 11974
Ion Ratio Lower Upper
43 100
58 36.7 27.7 41.5



#18
Methyl Acetate
Concen: 0.444 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

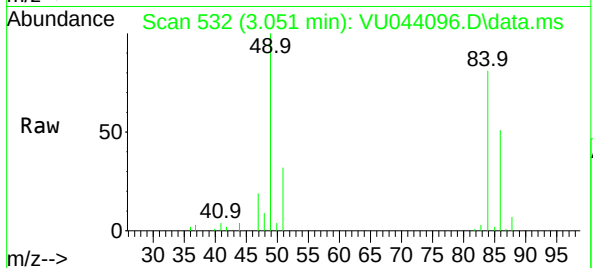
Tgt Ion: 43 Resp: 2010
Ion Ratio Lower Upper
43 100
74 17.7 18.7 28.1#



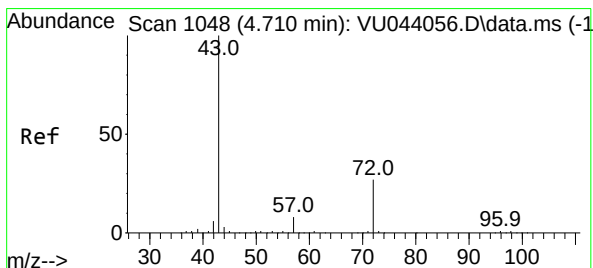
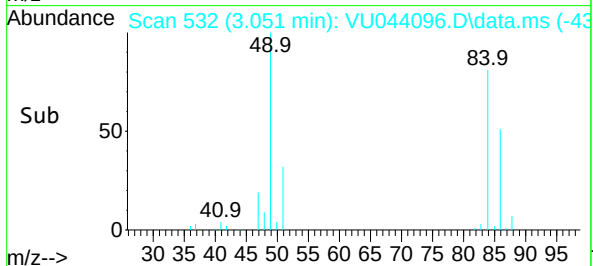
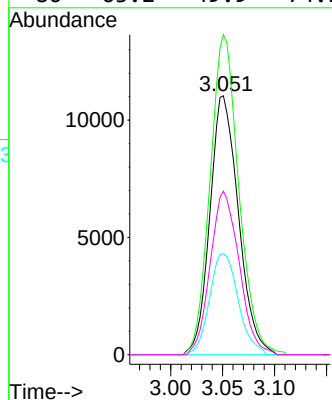


#20
Methylene Chloride
Concen: 5.331 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

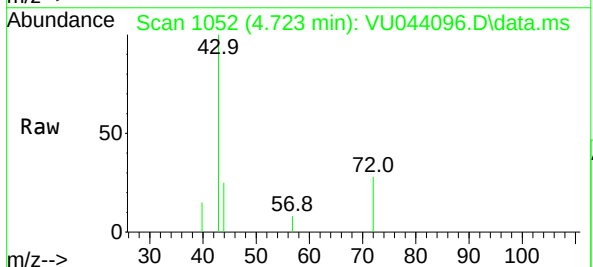
Instrument :
MSVOA_U
ClientSampled :



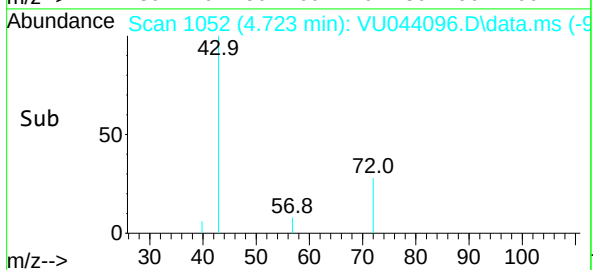
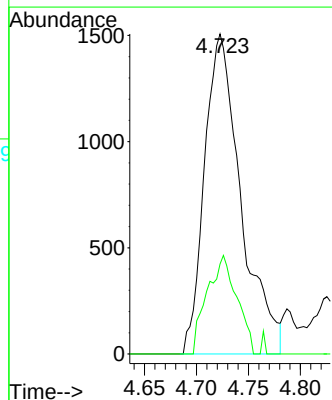
Tgt Ion:	84	Resp:	21078
Ion	Ratio	Lower	Upper
84	100		
49	123.6	103.6	155.4
51	39.0	32.8	49.2
86	63.2	49.9	74.9

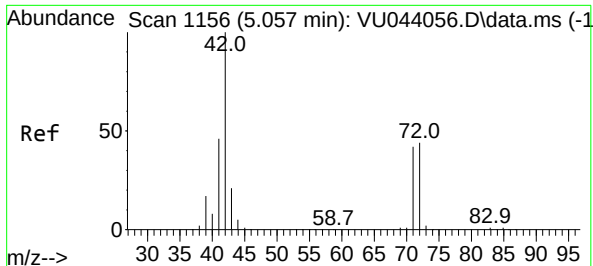


#25
2-Butanone
Concen: 1.253 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36



Tgt Ion:	43	Resp:	3668
Ion	Ratio	Lower	Upper
43	100		
72	28.1	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.634 ug/l

RT: 5.067 min Scan# 1159

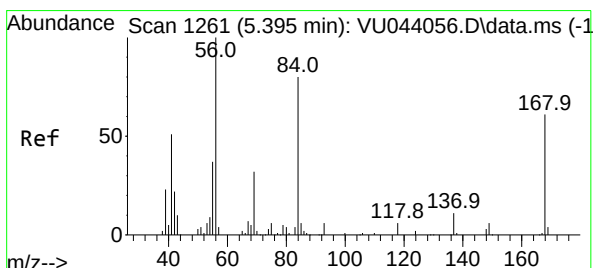
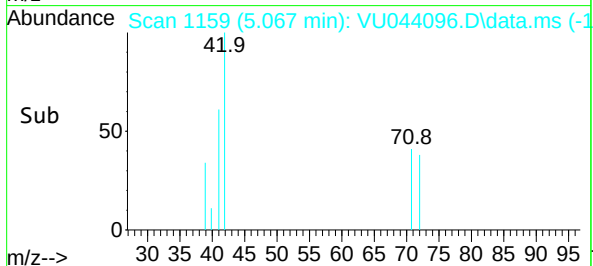
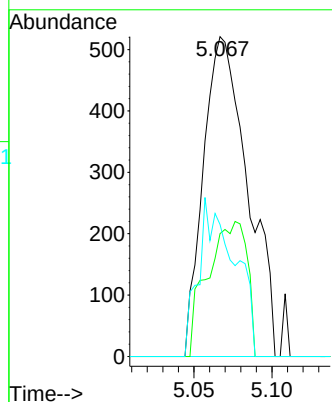
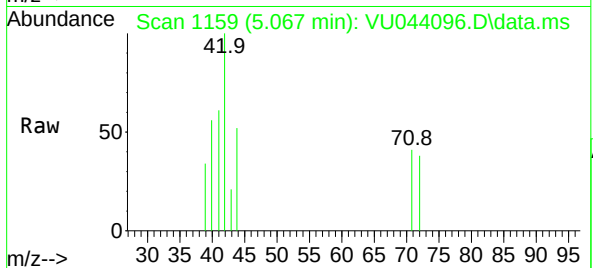
Delta R.T. 0.010 min

Lab File: VU044096.D

Acq: 08 Jun 2021 07:36

Tgt Ion:	42	Resp:	1030
Ion	Ratio	Lower	Upper
42	100		
72	37.6	35.6	53.4
71	40.2	33.3	49.9

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 1.017 ug/l

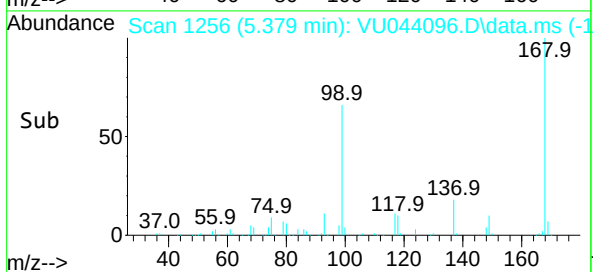
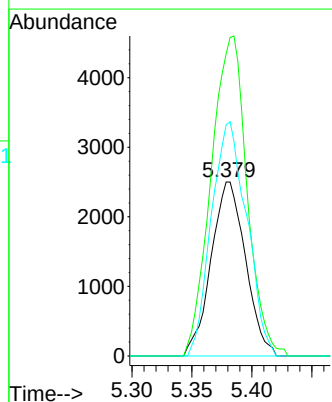
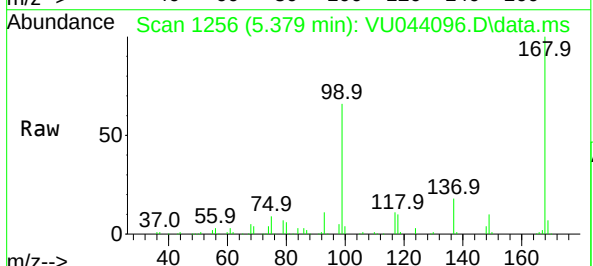
RT: 5.379 min Scan# 1256

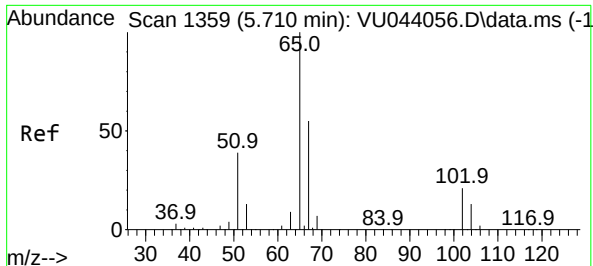
Delta R.T. -0.016 min

Lab File: VU044096.D

Acq: 08 Jun 2021 07:36

Tgt Ion:	56	Resp:	4991
Ion	Ratio	Lower	Upper
56	100		
69	173.6	25.4	38.2#
84	132.8	64.2	96.2#

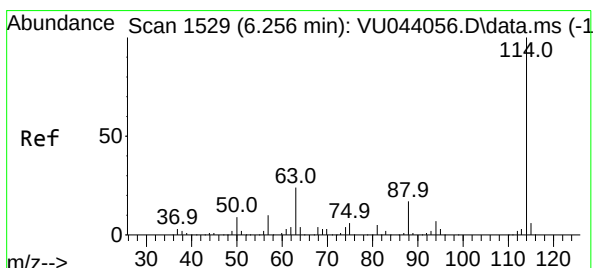
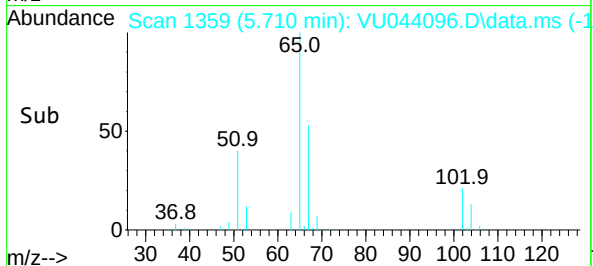
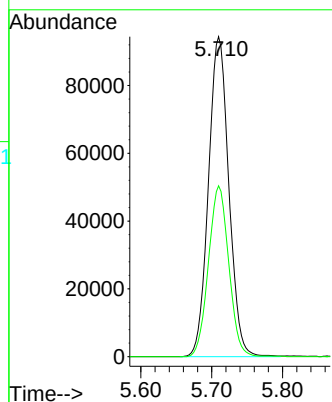
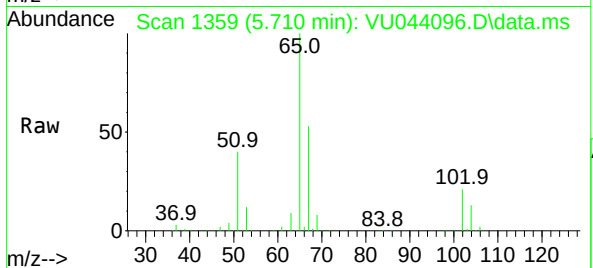




#33
1,2-Dichloroethane-d4
Concen: 53.025 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

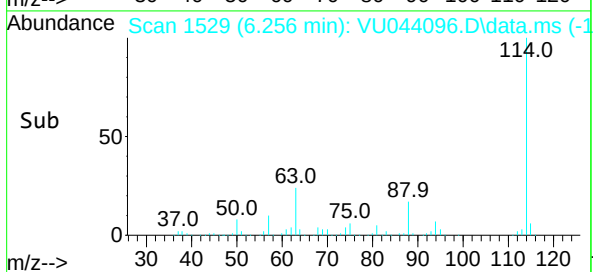
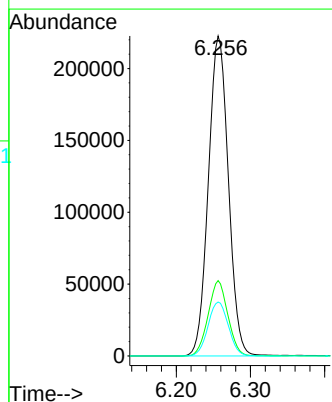
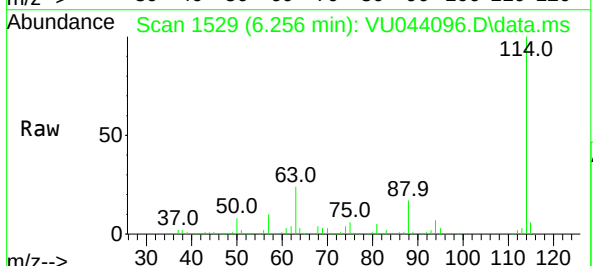
Instrument :
MSVOA_U
ClientSampleId :

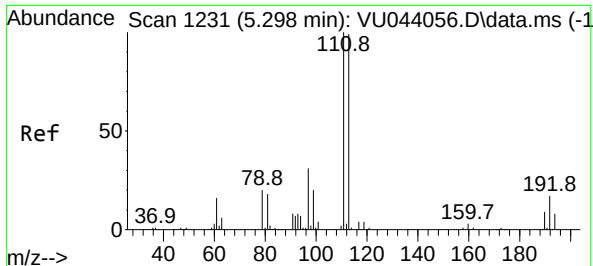
Tgt Ion: 65 Resp: 188529
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

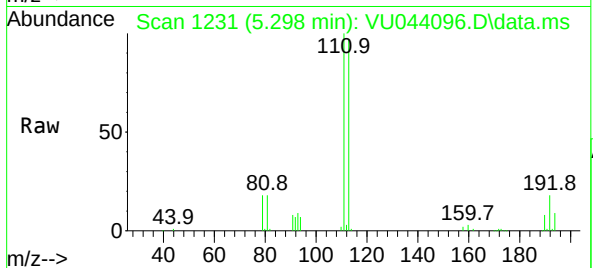
Tgt Ion:114 Resp: 416138
Ion Ratio Lower Upper
114 100
63 23.5 0.0 48.4
88 16.9 0.0 34.4



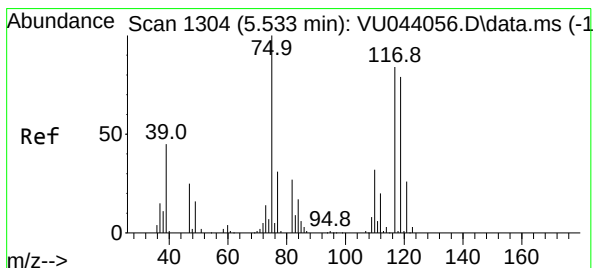
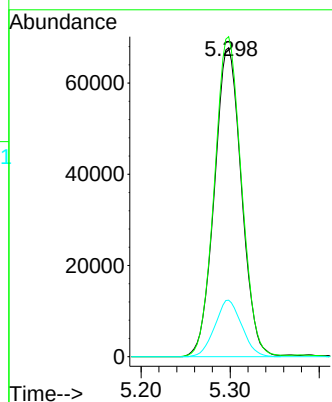
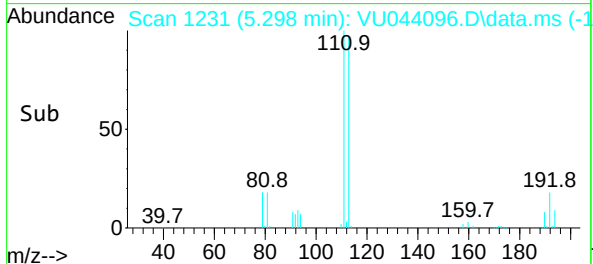


#35
Dibromofluoromethane
Concen: 48.167 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

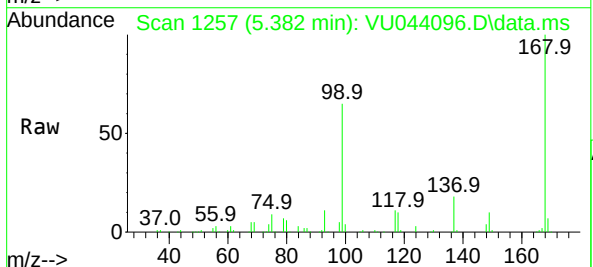
Instrument :
MSVOA_U
ClientSampled :



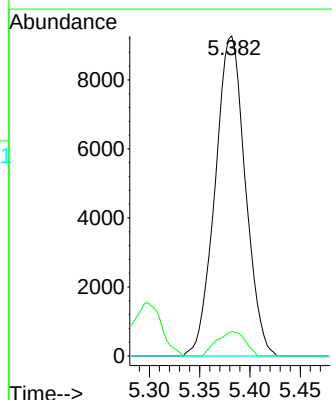
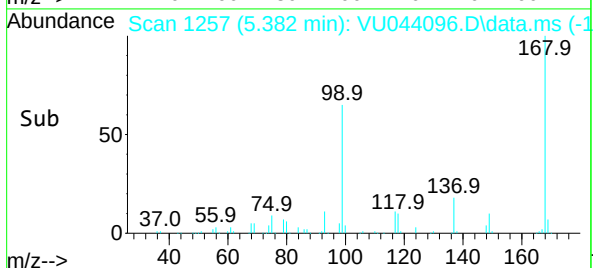
Tgt Ion:113 Resp: 143039
Ion Ratio Lower Upper
113 100
111 103.5 82.1 123.1
192 18.2 13.8 20.8

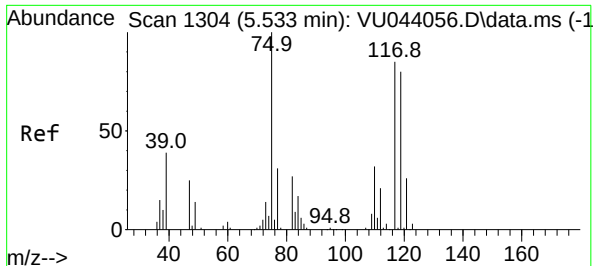


#36
1,1-Dichloropropene
Concen: 4.125 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36



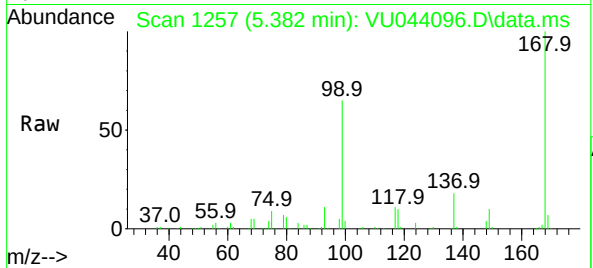
Tgt Ion: 75 Resp: 19341
Ion Ratio Lower Upper
75 100
110 7.2 15.9 47.7#
77 0.0 25.0 37.4#



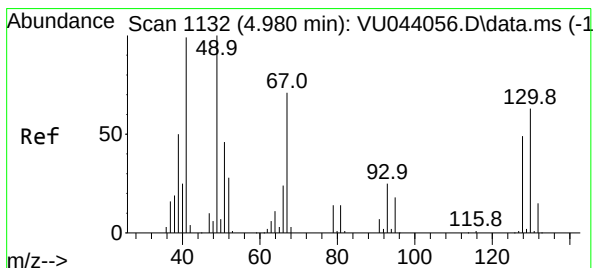
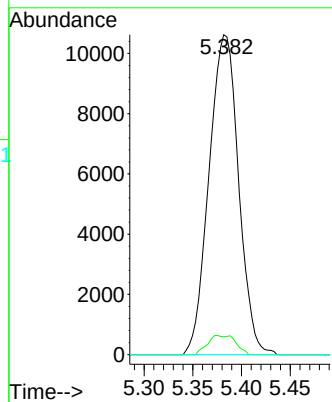
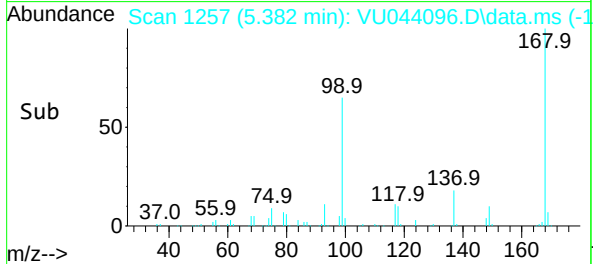


#38
Carbon Tetrachloride
Concen: 5.296 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

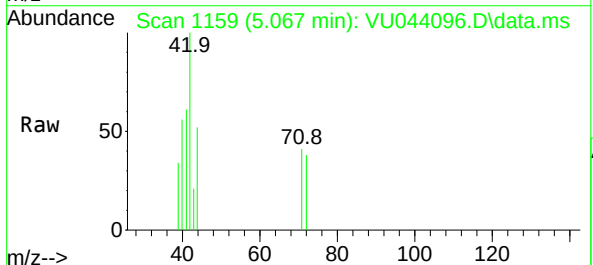
Instrument :
MSVOA_U
ClientSampled :



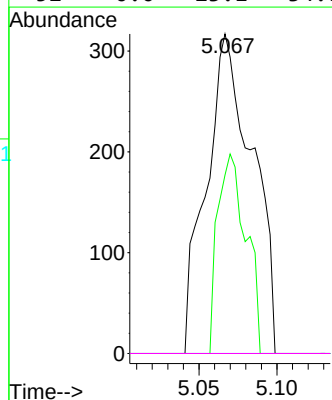
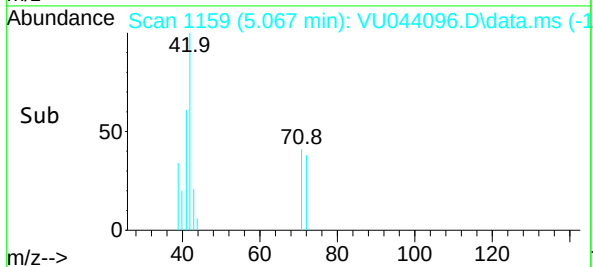
Tgt Ion:117 Resp: 22436
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 24.5 36.7#

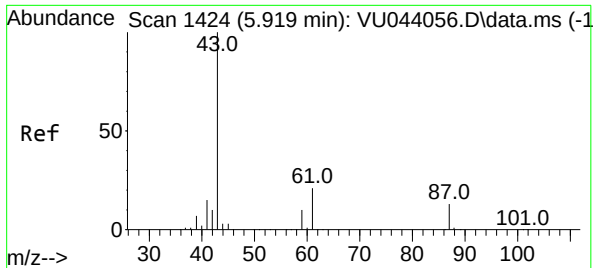


#41
Methacrylonitrile
Concen: 0.210 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.087 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36



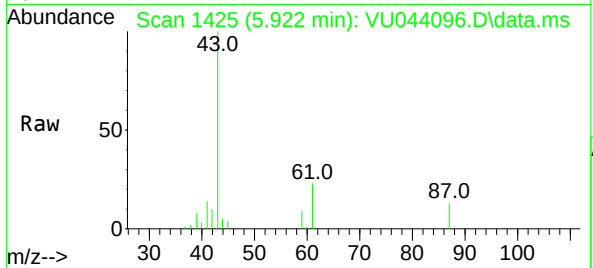
Tgt Ion: 41 Resp: 652
Ion Ratio Lower Upper
41 100
39 38.5 41.4 62.2#
67 0.0 59.4 89.2#
52 0.0 23.1 34.7#



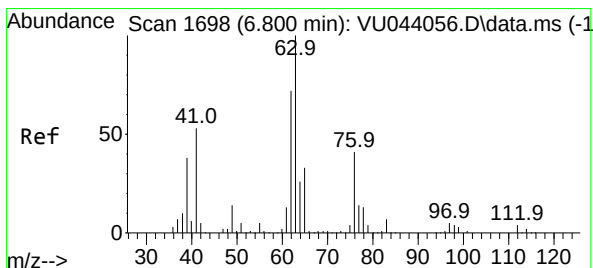
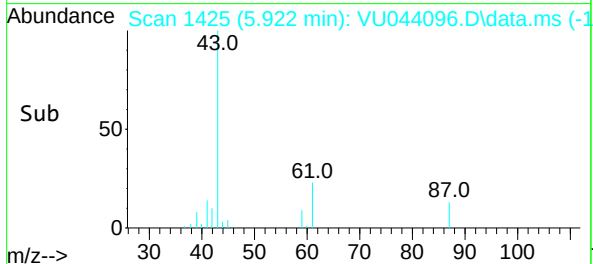
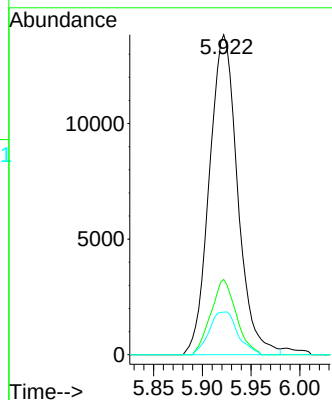


#43
Isopropyl Acetate
Concen: 3.341 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

Instrument :
MSVOA_U
ClientSampled :

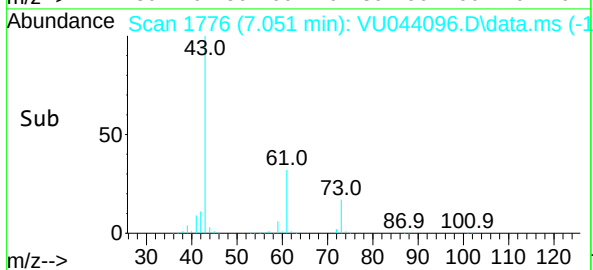
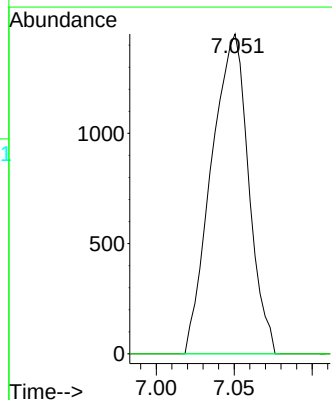
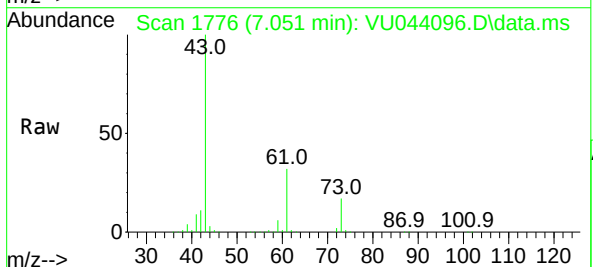


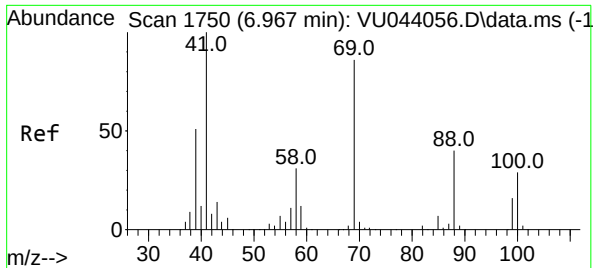
Tgt Ion:	43	Resp:	27902
Ion Ratio	Lower	Upper	
43	100		
61	21.1	16.8	25.2
87	13.5	10.2	15.2



#45
1,2-Dichloropropane
Concen: 0.625 ug/l
RT: 7.051 min Scan# 1776
Delta R.T. 0.251 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

Tgt Ion:	63	Resp:	2409
Ion Ratio	Lower	Upper	
63	100		
65	0.0	26.3	39.5#



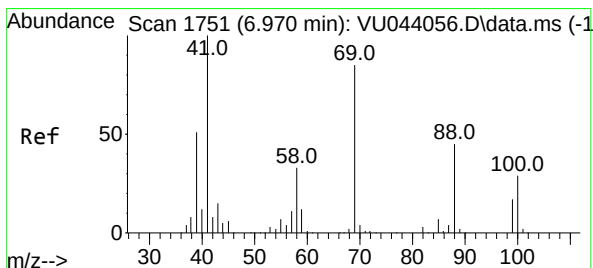
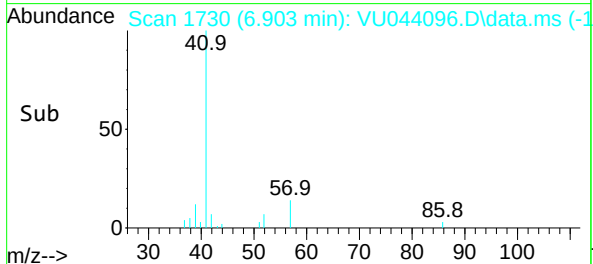
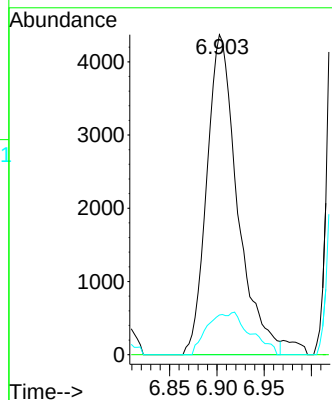
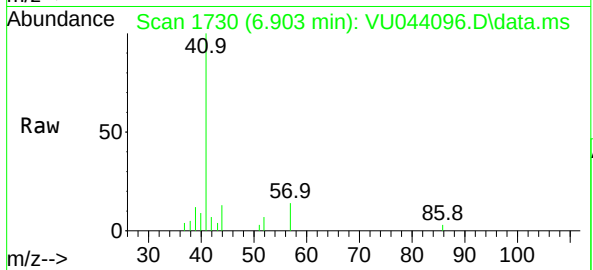


#48

Methyl methacrylate
 Concen: 2.392 ug/l
 RT: 6.903 min Scan# 1730
 Delta R.T. -0.064 min
 Lab File: VU044096.D
 Acq: 08 Jun 2021 07:36

Instrument :
 MSVOA_U
 ClientSampled :

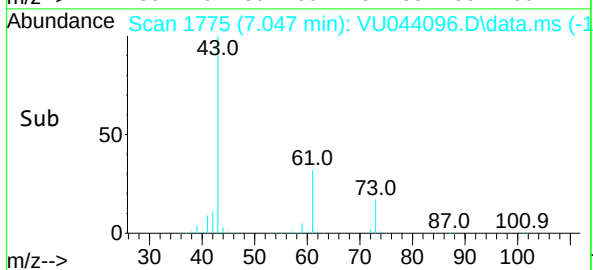
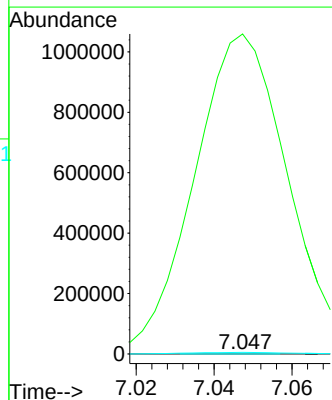
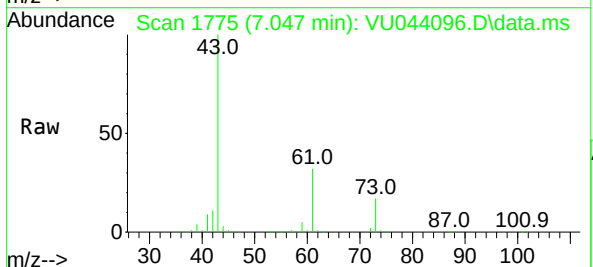
Tgt Ion: 41 Resp: 9851
 Ion Ratio Lower Upper
 41 100
 69 0.0 68.9 103.3#
 39 0.0 40.6 60.8#

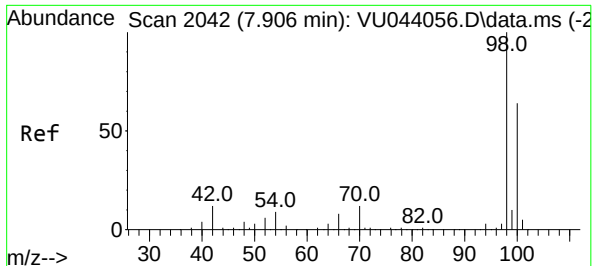


#49

1,4-Dioxane
 Concen: 1.314 ug/l
 RT: 7.047 min Scan# 1775
 Delta R.T. 0.077 min
 Lab File: VU044096.D
 Acq: 08 Jun 2021 07:36

Tgt Ion: 88 Resp: 133
 Ion Ratio Lower Upper
 88 100
 43 1357143.6 25.0 37.4#
 58 7231.6 60.0 90.0#

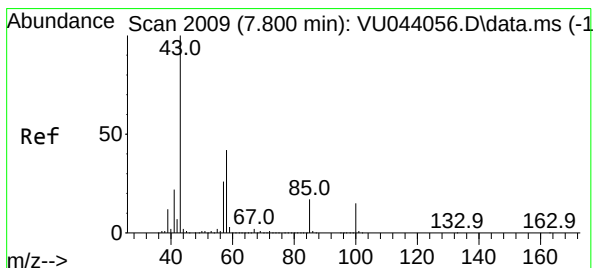
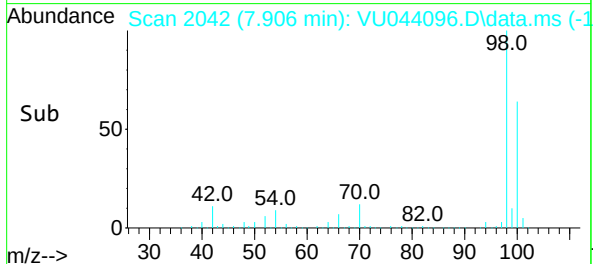
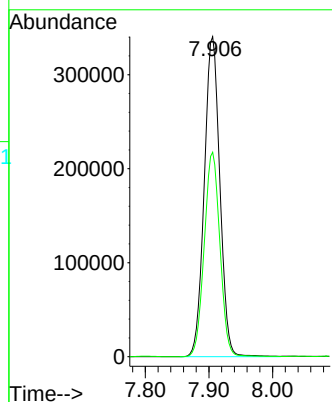
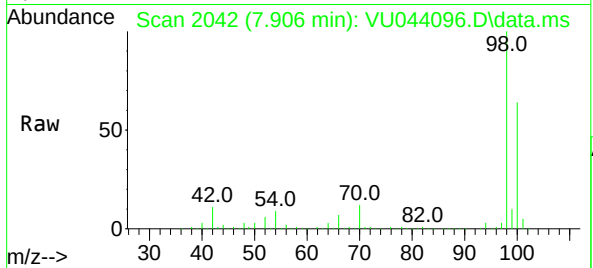




#50
Toluene-d8
Concen: 50.659 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

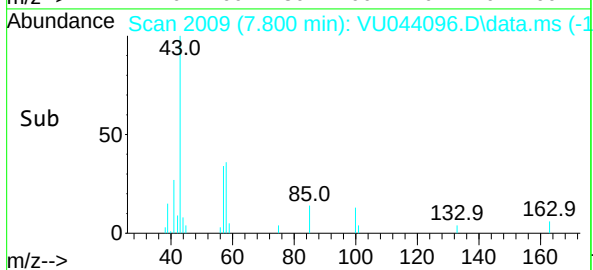
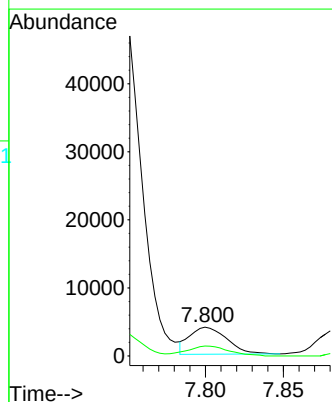
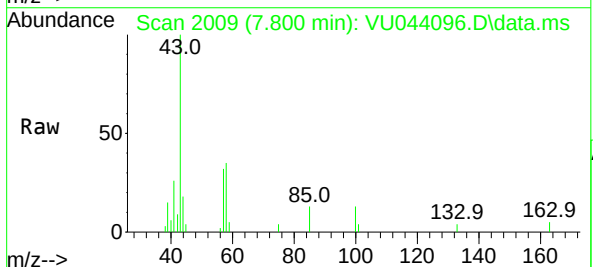
Instrument :
MSVOA_U
ClientSampled :

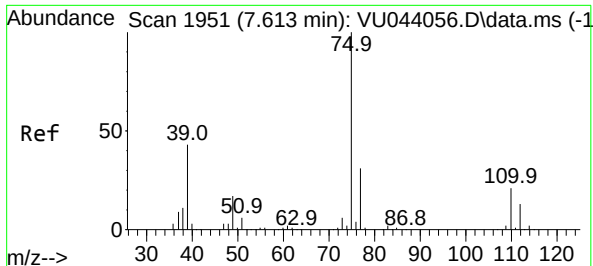
Tgt Ion: 98 Resp: 580279
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.069 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

Tgt Ion: 43 Resp: 6628
Ion Ratio Lower Upper
43 100
58 41.4 33.3 49.9



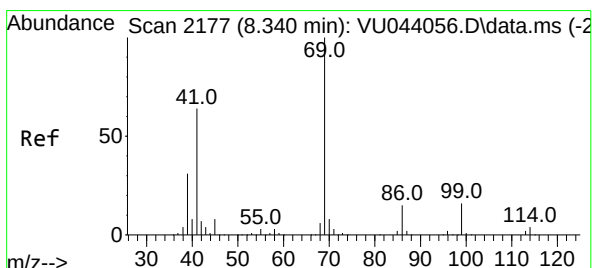
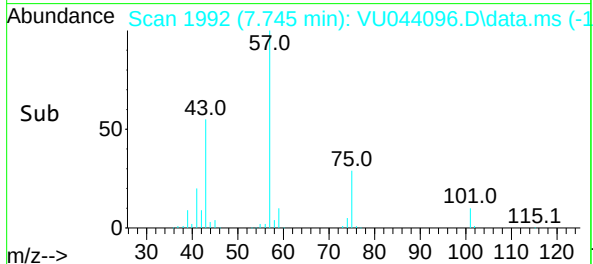
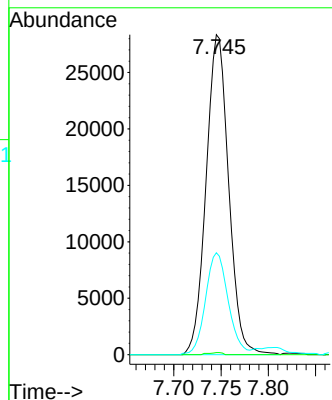
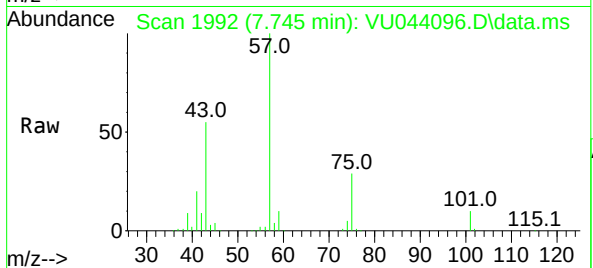


#54

cis-1,3-Dichloropropene
Concen: 8.200 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

Instrument :
MSVOA_U
ClientSampled :

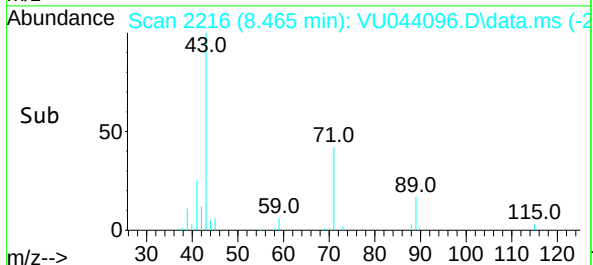
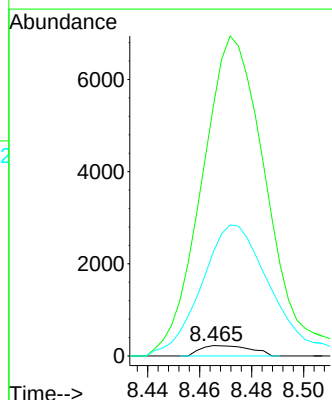
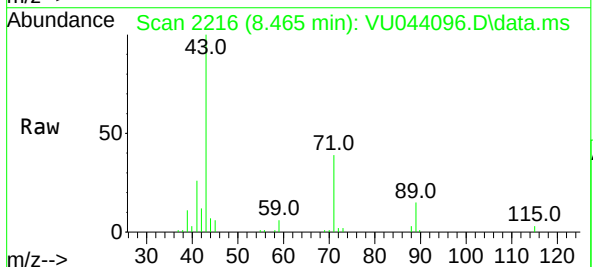
Tgt Ion: 75 Resp: 47014
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.4#
39 31.9 34.7 52.1#

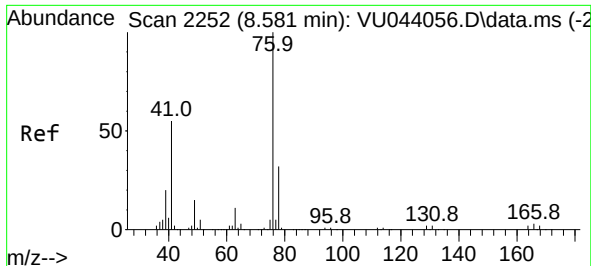


#56

Ethyl methacrylate
Concen: 3.431 ug/l
RT: 8.465 min Scan# 2216
Delta R.T. 0.125 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

Tgt Ion: 69 Resp: 303
Ion Ratio Lower Upper
69 100
41 3972.9 51.4 77.0#
39 1734.7 24.9 37.3#





#57

1,3-Dichloropropane

Concen: 5.115 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.151 min

Lab File: VU044096.D

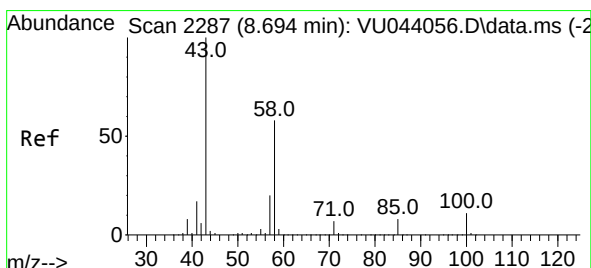
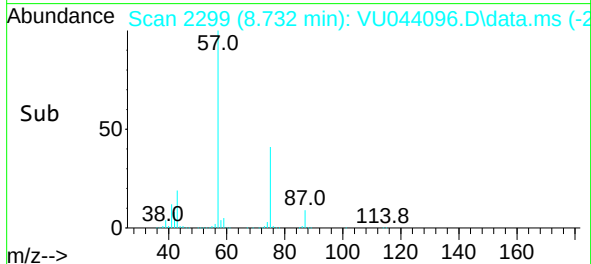
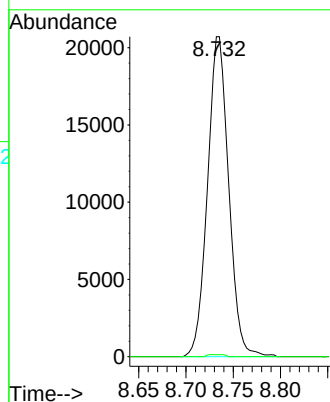
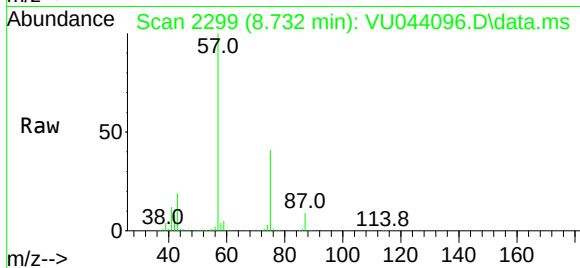
Acq: 08 Jun 2021 07:36

Tgt Ion: 76 Resp: 32294

Ion Ratio Lower Upper

76 100

78 0.5 25.9 38.9#



#59

2-Hexanone

Concen: 90.393 ug/l

RT: 8.735 min Scan# 2300

Delta R.T. 0.042 min

Lab File: VU044096.D

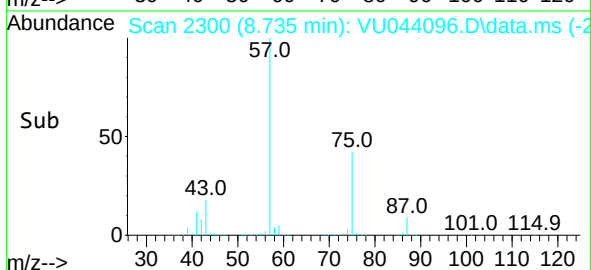
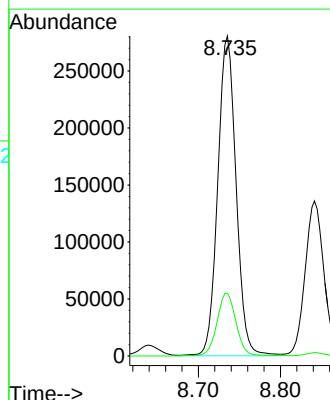
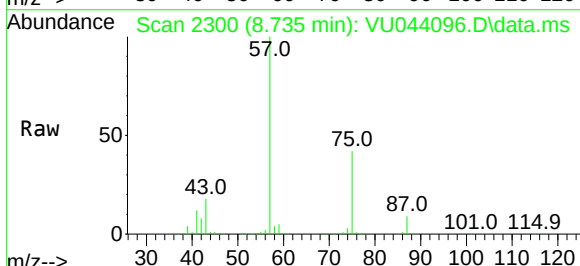
Acq: 08 Jun 2021 07:36

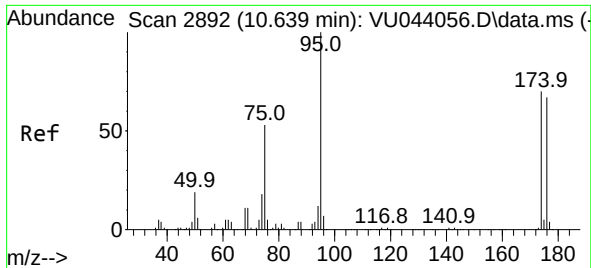
Tgt Ion: 43 Resp: 435669

Ion Ratio Lower Upper

43 100

58 20.5 29.0 87.1#

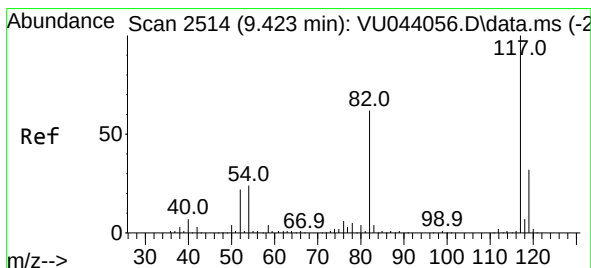
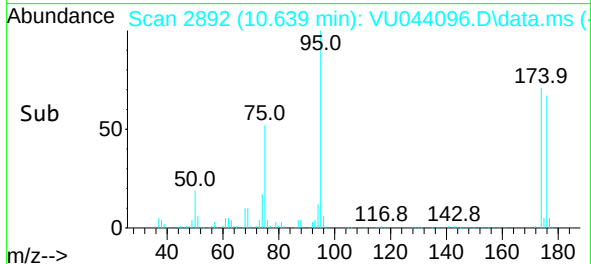
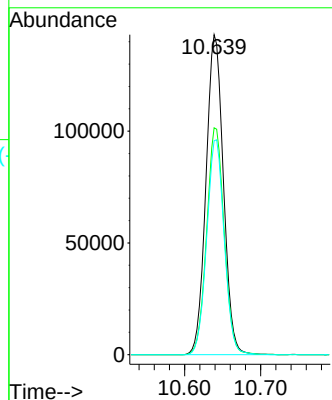
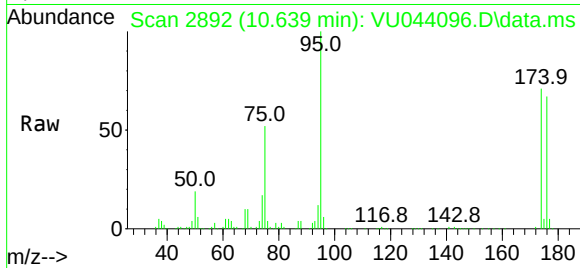




#62
4-Bromofluorobenzene
Concen: 50.061 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

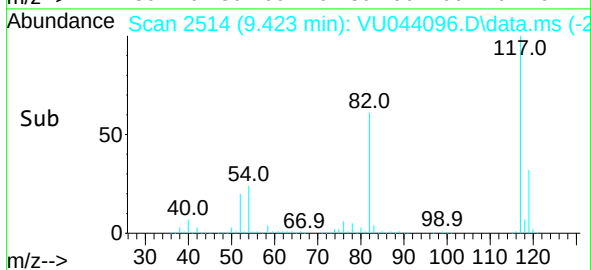
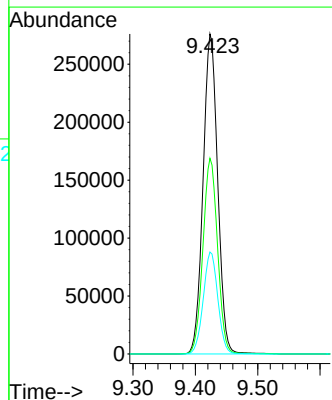
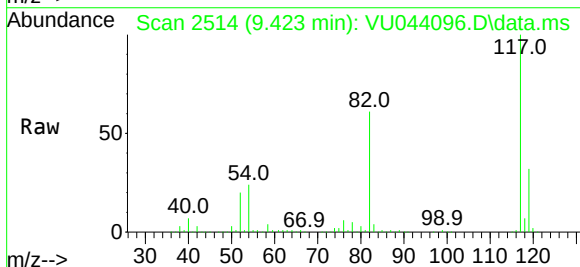
Instrument :
MSVOA_U
ClientSampled :

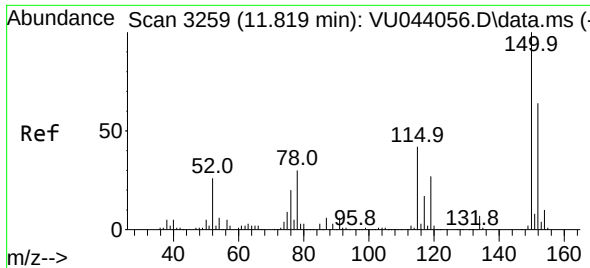
Tgt Ion: 95 Resp: 227032
Ion Ratio Lower Upper
95 100
174 71.4 0.0 141.0
176 67.5 0.0 135.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

Tgt Ion: 117 Resp: 450866
Ion Ratio Lower Upper
117 100
82 61.2 50.0 75.0
119 31.8 25.9 38.9

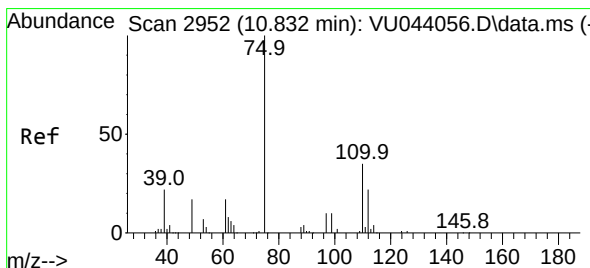
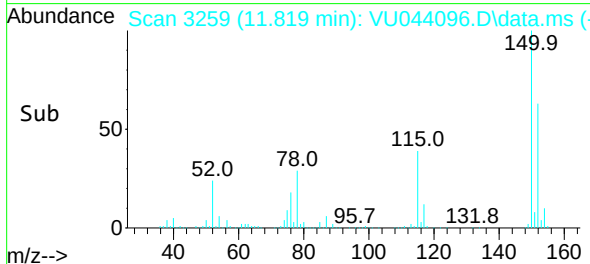
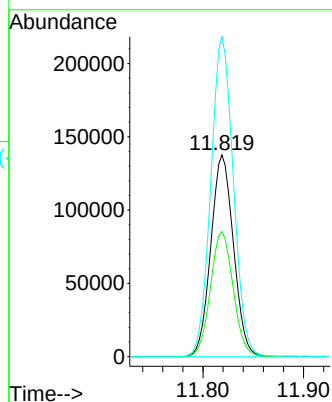
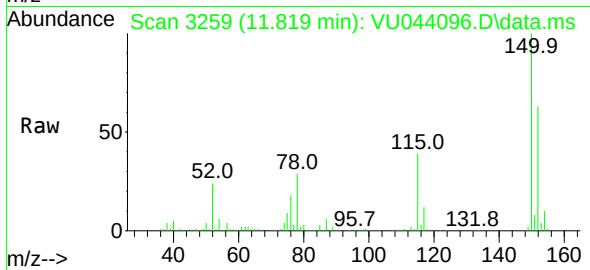




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044096.D
 Acq: 08 Jun 2021 07:36

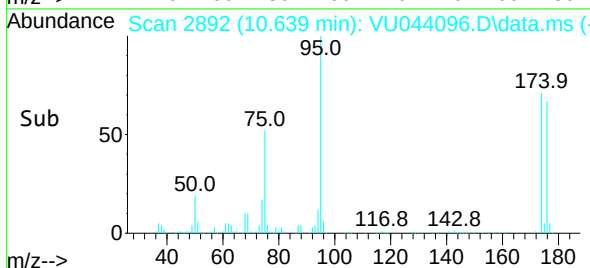
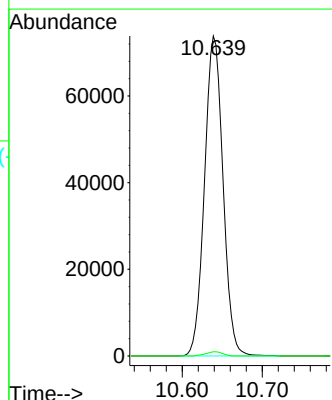
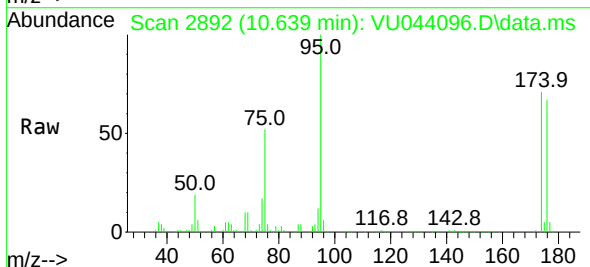
Instrument :
 MSVOA_U
 ClientSampled :

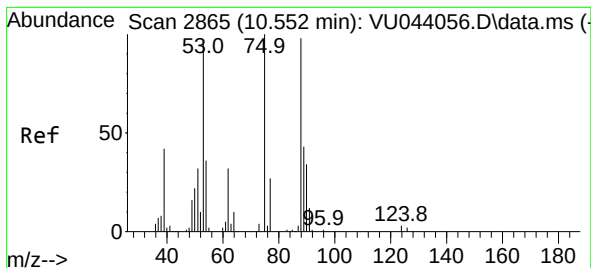
Tgt Ion:152 Resp: 215621
 Ion Ratio Lower Upper
 152 100
 115 62.2 44.6 134.0
 150 157.8 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 19.717 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044096.D
 Acq: 08 Jun 2021 07:36

Tgt Ion: 75 Resp: 118930
 Ion Ratio Lower Upper
 75 100
 77 1.2 16.9 50.6#

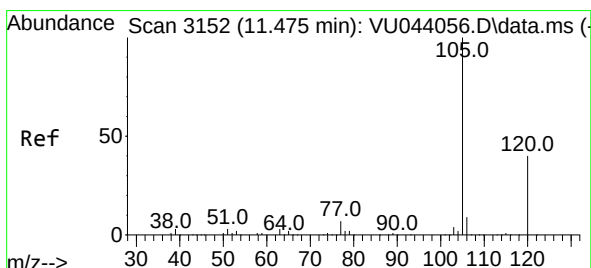
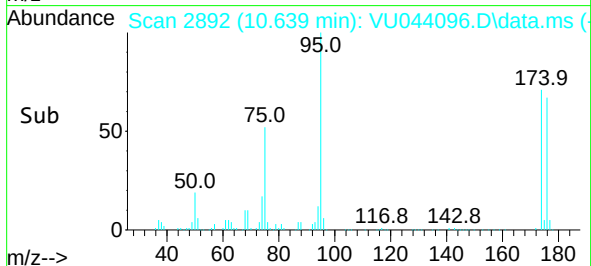
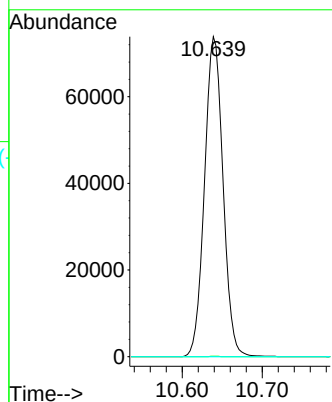
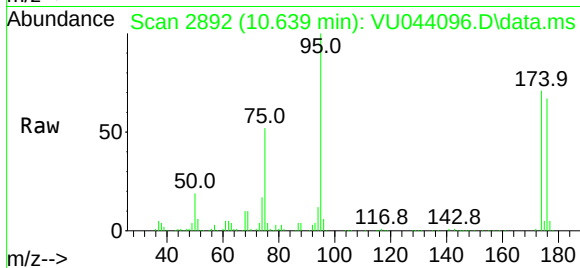




#81
trans-1,4-Dichloro-2-butene
Concen: 57.574 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

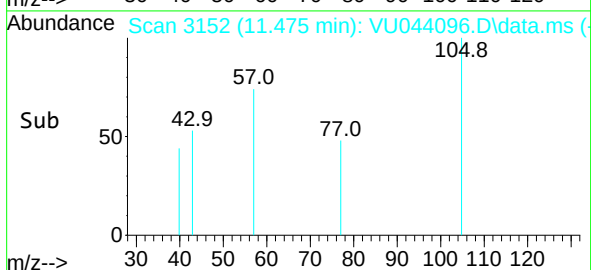
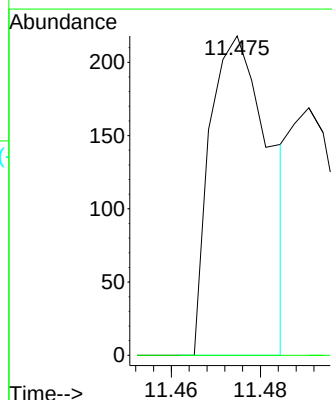
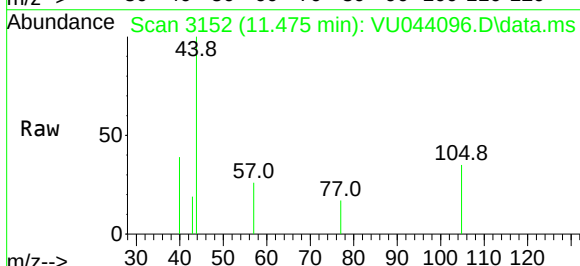
Instrument :
MSVOA_U
ClientSampled :

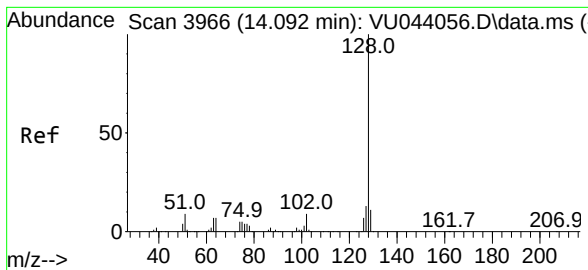
Tgt Ion: 75 Resp: 118930
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.963 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

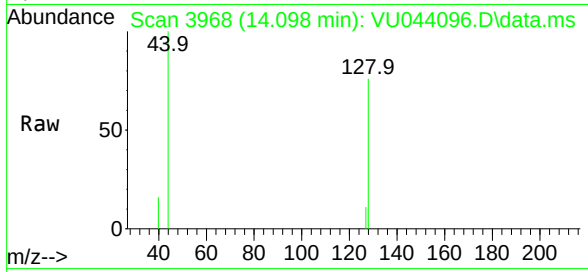
Tgt Ion: 105 Resp: 202
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#





#95
Naphthalene
Concen: 2.916 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU044096.D
Acq: 08 Jun 2021 07:36

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	1102
Ion Ratio	Lower	Upper	
128	100		
127	1.8	10.2	15.4#
129	0.0	8.7	13.1#

