

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044148.D
 Acq On : 10 Jun 2021 12:15
 Operator : SY/MD
 Sample : M2626-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:19:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 05:11:37 2021
 Response via : Initial Calibration

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

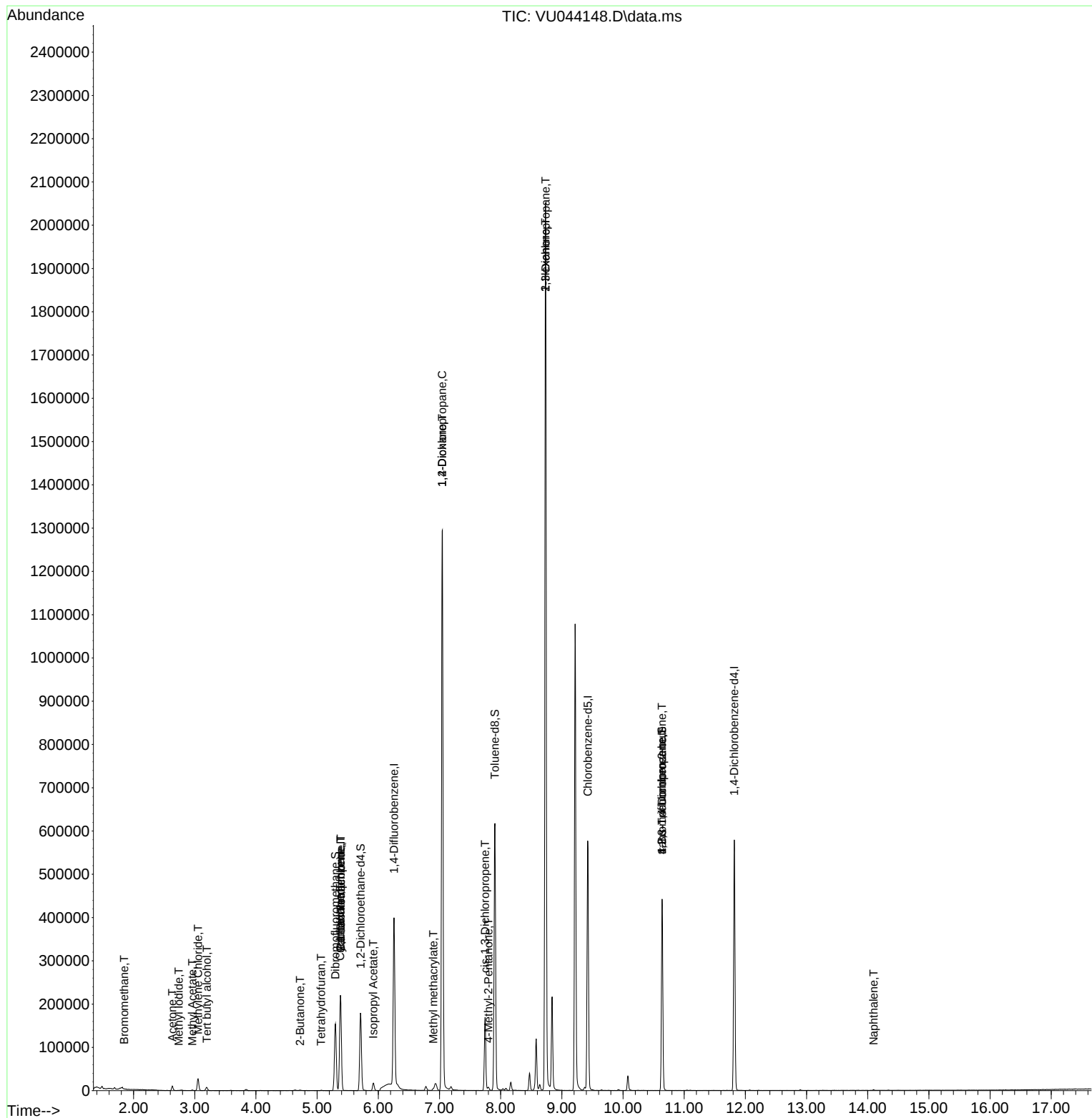
Internal Standards						
1) Pentafluorobenzene	5.382	168	143620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	297825	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	302092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	143558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	130654	57.206	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.420%	
35) Dibromofluoromethane	5.298	113	100289	48.408	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.820%	
50) Toluene-d8	7.906	98	399782	50.246	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.500%	
62) 4-Bromofluorobenzene	10.639	95	152511	47.830	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	680	Below Cal		91
5) Bromomethane	1.848	94	514	0.515 ug/l		82
6) Chloroethane	1.922	64	207	Below Cal	#	42
10) Methyl Iodide	2.739	142	579	0.283 ug/l	#	60
11) Tert butyl alcohol	3.198	59	4829	7.860 ug/l	#	73
13) Acrolein	2.488	56	75	Below Cal	#	15
16) Acetone	2.633	43	11477	7.656 ug/l		96
18) Methyl Acetate	2.961	43	1764	0.600 ug/l	#	87
20) Methylene Chloride	3.054	84	13408	5.446 ug/l		98
25) 2-Butanone	4.723	43	2160	1.133 ug/l		91
29) Tetrahydrofuran	5.067	42	518	0.500 ug/l	#	36
31) Cyclohexane	5.375	56	3391	1.052 ug/l	#	1
36) 1,1-Dichloropropene	5.382	75	13361	4.032 ug/l	#	49
38) Carbon Tetrachloride	5.385	117	15238	5.094 ug/l	#	16
43) Isopropyl Acetate	5.919	43	18178	3.229 ug/l		98
45) 1,2-Dichloropropane	7.044	63	1547	0.580 ug/l	#	43
48) Methyl methacrylate	6.899	41	6605	2.411 ug/l	#	11
49) 1,4-Dioxane	7.044	88	64	0.893 ug/l	#	1
51) 4-Methyl-2-Pentanone	7.800	43	4629	1.136 ug/l		99
54) cis-1,3-Dichloropropene	7.745	75	29975	7.506 ug/l	#	63
57) 1,3-Dichloropropane	8.735	76	20756	4.786 ug/l	#	42
59) 2-Hexanone	8.732	43	273959	84.249 ug/l	#	48
76) 1,2,3-Trichloropropane	10.639	75	78941	16.401 ug/l	#	47
81) trans-1,4-Dichloro-2-b...	10.639	75	78941	59.453 ug/l	#	13
95) Naphthalene	14.098	128	1777	3.002 ug/l	#	86

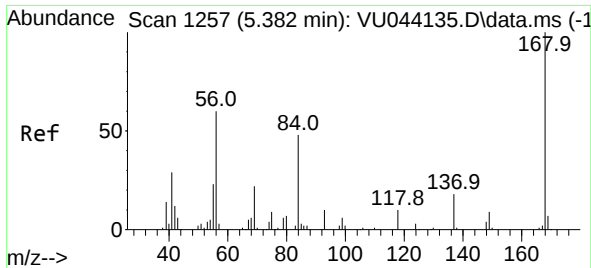
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 05:11:37 2021
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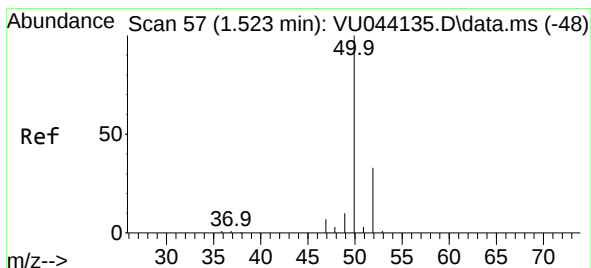
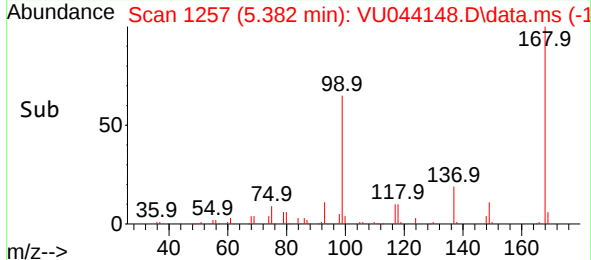
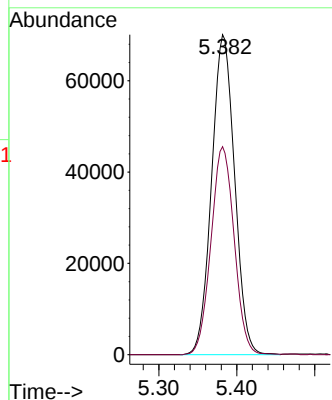
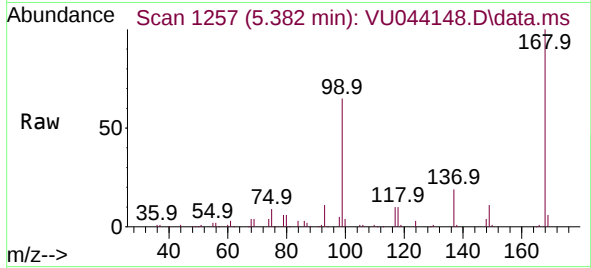




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

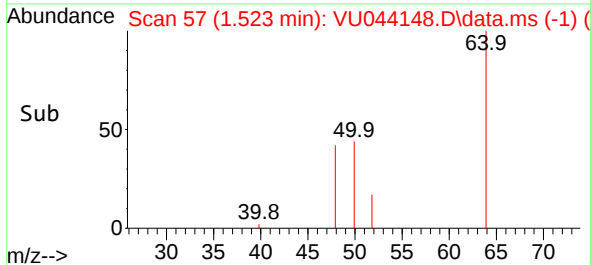
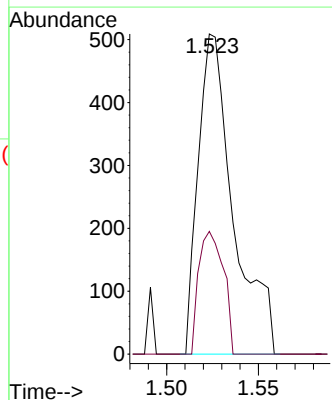
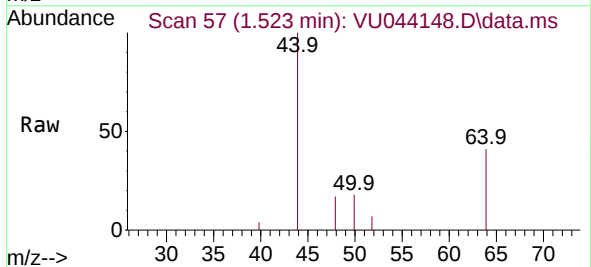
Instrument :
MSVOA_U
ClientSampleId :

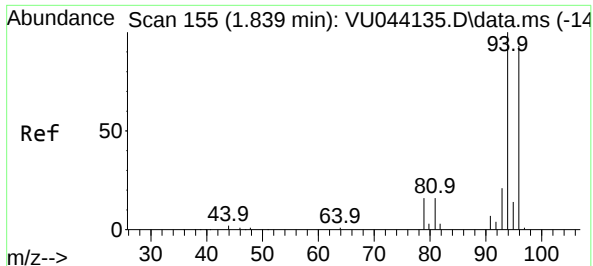
Tgt Ion:168 Resp: 143620
Ion Ratio Lower Upper
168 100
99 65.0 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

Tgt Ion: 50 Resp: 680
Ion Ratio Lower Upper
50 100
52 38.3 26.6 39.8

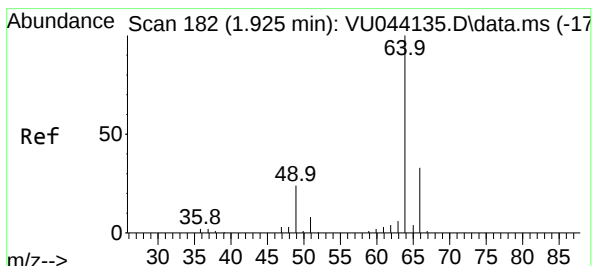
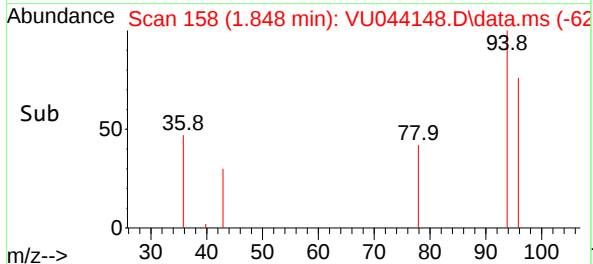
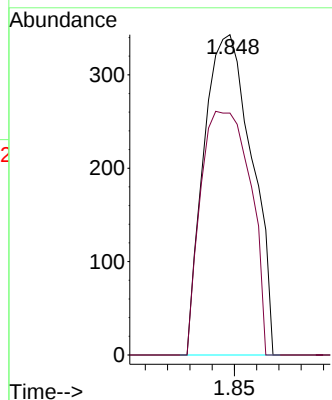
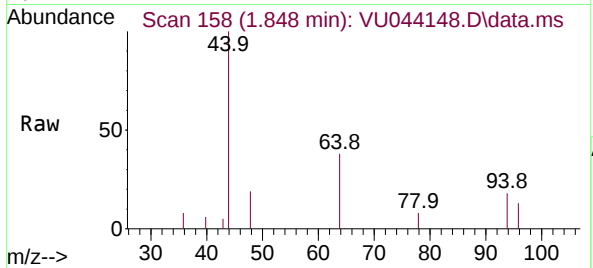




#5
Bromomethane
Concen: 0.515 ug/l
RT: 1.848 min Scan# 158
Delta R.T. 0.009 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

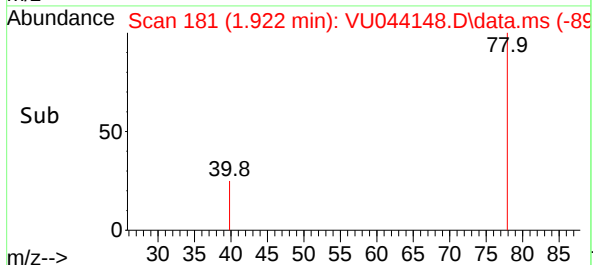
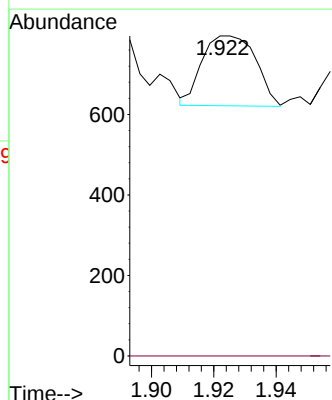
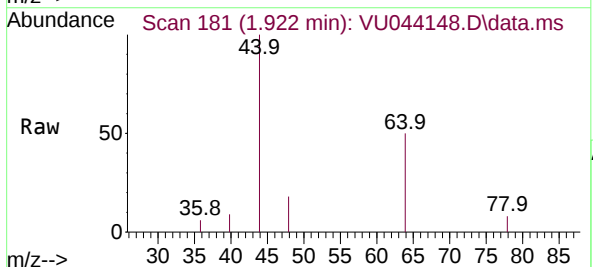
Instrument :
MSVOA_U
ClientSampled :

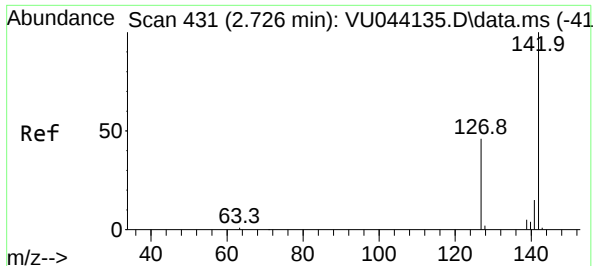
Tgt Ion: 94 Resp: 514
Ion Ratio Lower Upper
94 100
96 75.5 74.1 111.1



#6
Chloroethane
Concen: Below Cal
RT: 1.922 min Scan# 181
Delta R.T. -0.003 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

Tgt Ion: 64 Resp: 207
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#





#10

Methyl Iodide

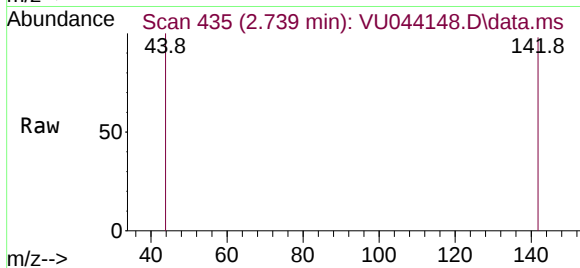
Concen: 0.283 ug/l

RT: 2.739 min Scan# 435

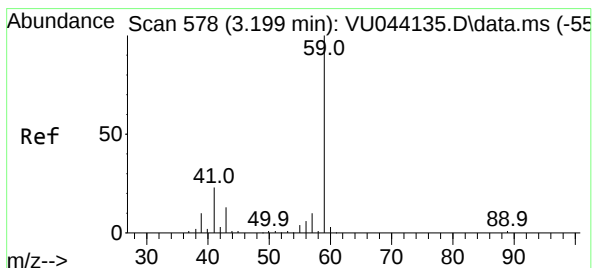
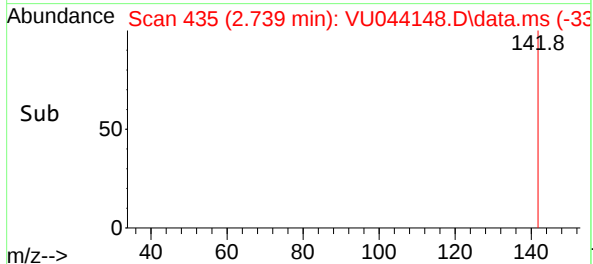
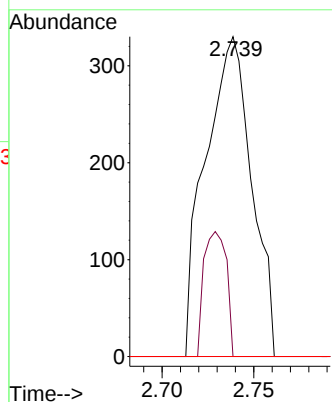
Delta R.T. 0.013 min

Lab File: VU044148.D

Acq: 10 Jun 2021 12:15



Tgt Ion:	142	Resp:	579
Ion	Ratio	Lower	Upper
142	100		
127	19.0	37.0	55.6#
141	0.0	11.6	17.4#



#11

Tert butyl alcohol

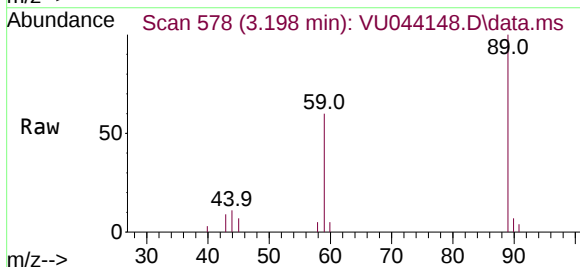
Concen: 7.860 ug/l

RT: 3.198 min Scan# 578

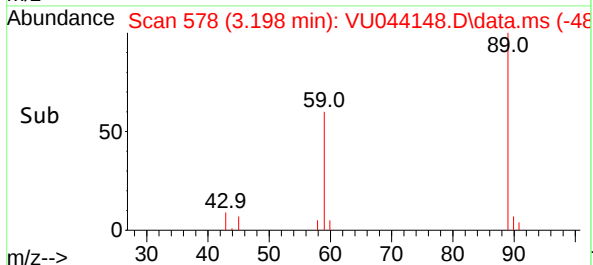
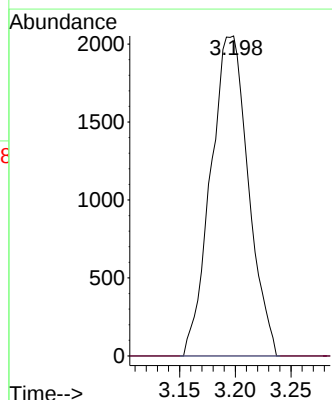
Delta R.T. -0.001 min

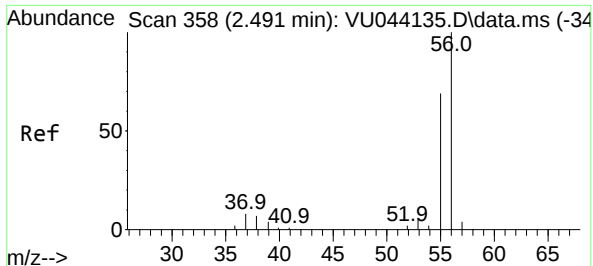
Lab File: VU044148.D

Acq: 10 Jun 2021 12:15



Tgt Ion:	59	Resp:	4829
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.0	12.0#

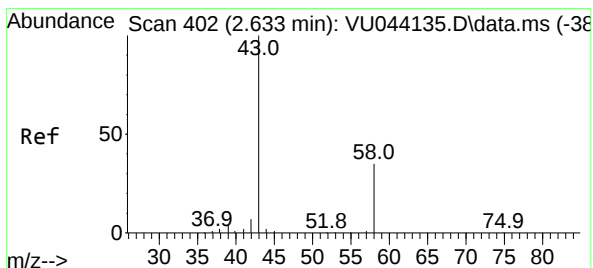
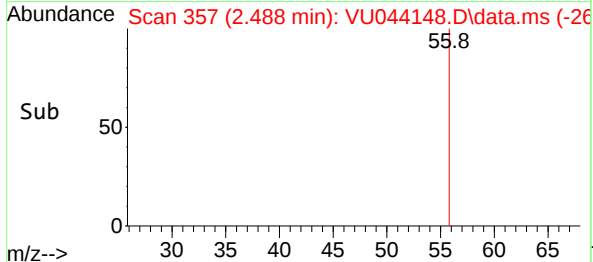
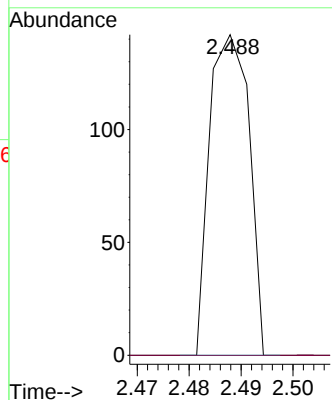
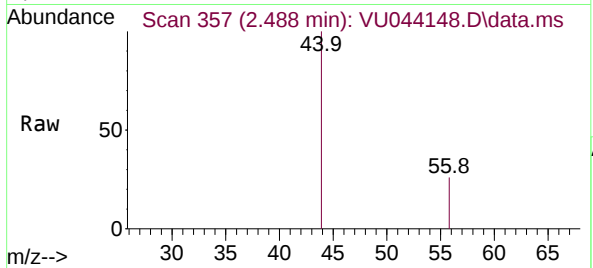




#13
Acrolein
Concen: Below Cal
RT: 2.488 min Scan# 357
Delta R.T. -0.003 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

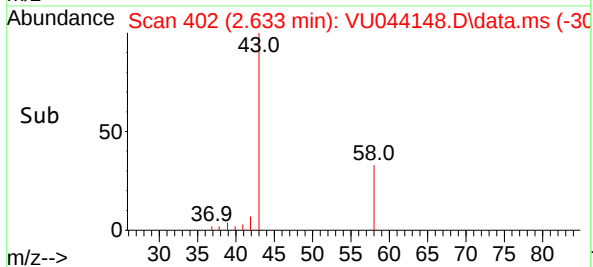
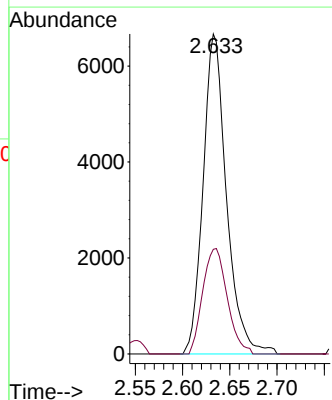
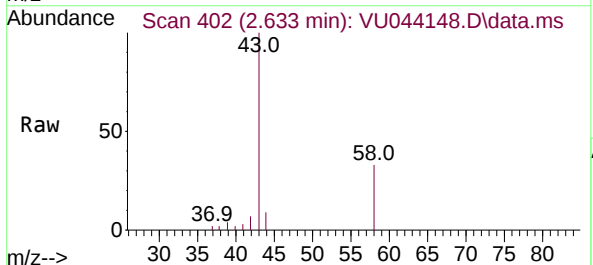
Instrument :
MSVOA_U
ClientSampled :

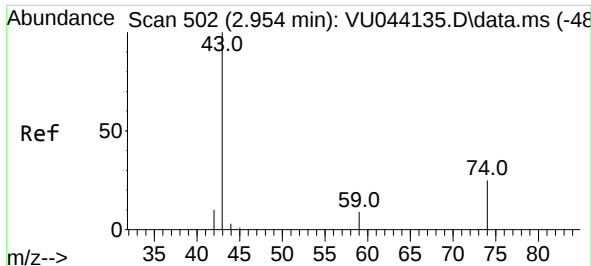
Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#16
Acetone
Concen: 7.656 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

Tgt Ion: 43 Resp: 11477
Ion Ratio Lower Upper
43 100
58 32.7 28.0 42.0

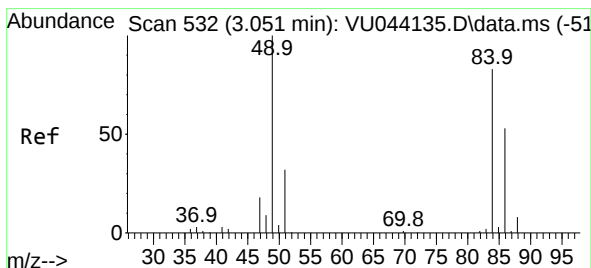
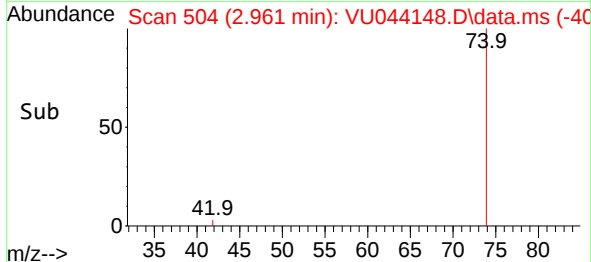
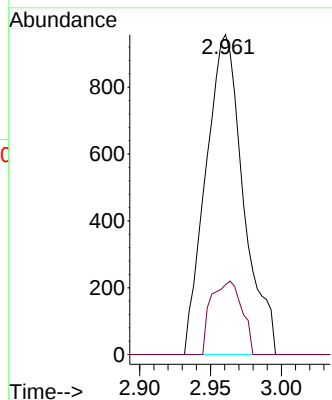
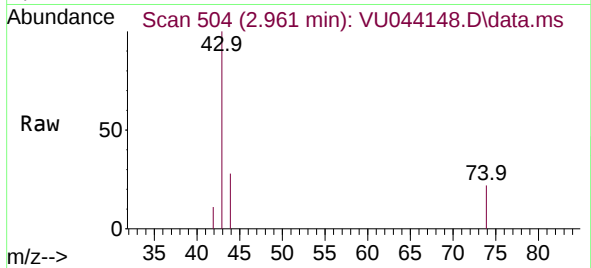




#18
Methyl Acetate
Concen: 0.600 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

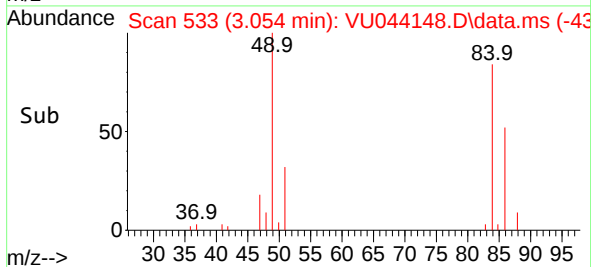
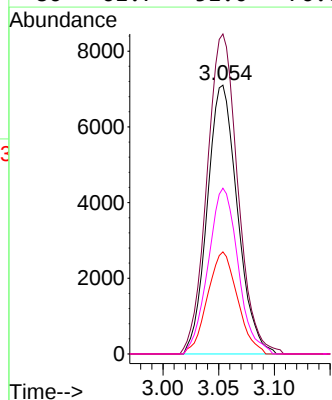
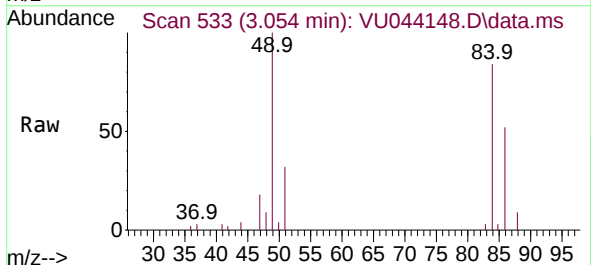
Instrument :
MSVOA_U
ClientSampled :

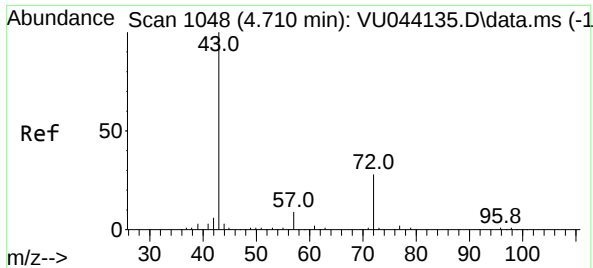
Tgt Ion: 43 Resp: 1764
Ion Ratio Lower Upper
43 100
74 18.8 20.3 30.5#



#20
Methylene Chloride
Concen: 5.446 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

Tgt Ion: 84 Resp: 13408
Ion Ratio Lower Upper
84 100
49 119.0 96.9 145.3
51 38.0 31.0 46.6
86 61.7 51.0 76.6

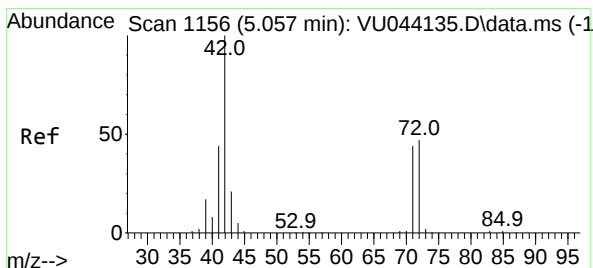
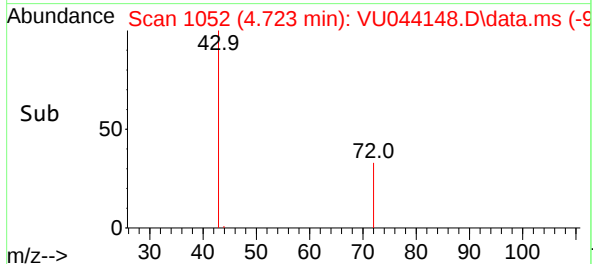
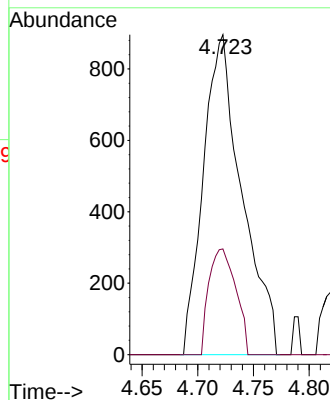
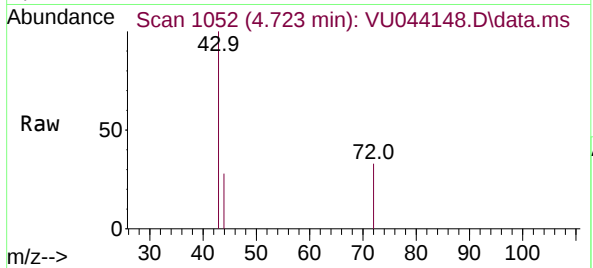




#25
2-Butanone
Concen: 1.133 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

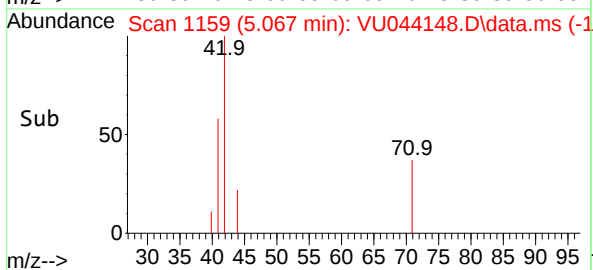
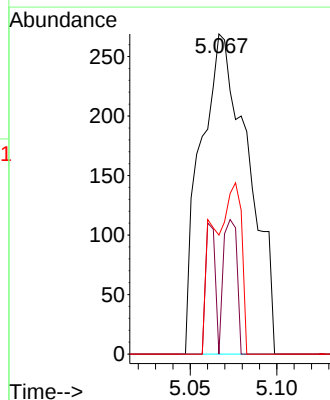
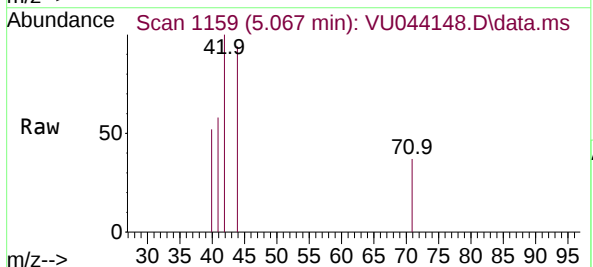
Instrument :
MSVOA_U
ClientSampled :

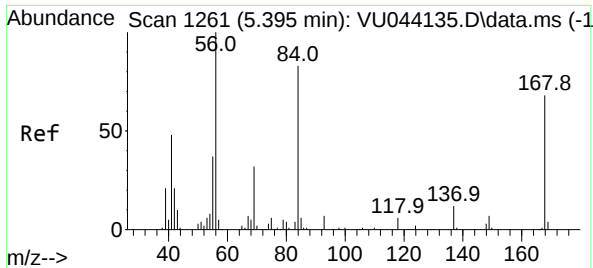
Tgt Ion: 43 Resp: 2160
Ion Ratio Lower Upper
43 100
72 33.0 22.6 33.8



#29
Tetrahydrofuran
Concen: 0.500 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.010 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

Tgt Ion: 42 Resp: 518
Ion Ratio Lower Upper
42 100
72 7.9 38.6 57.8#
71 0.0 35.5 53.3#

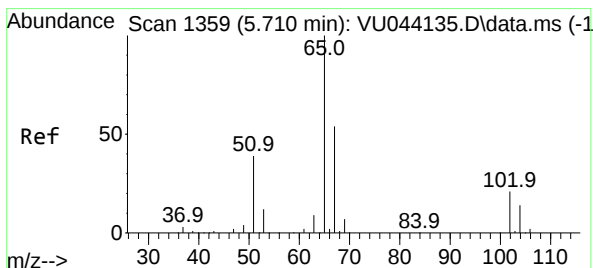
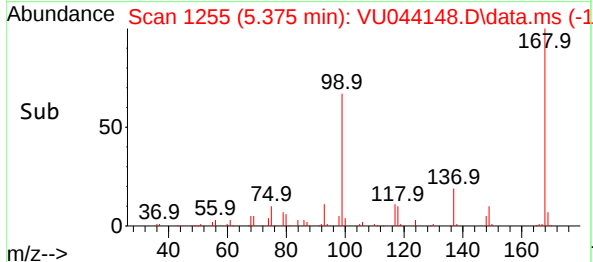
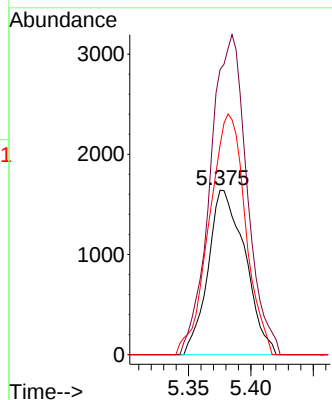
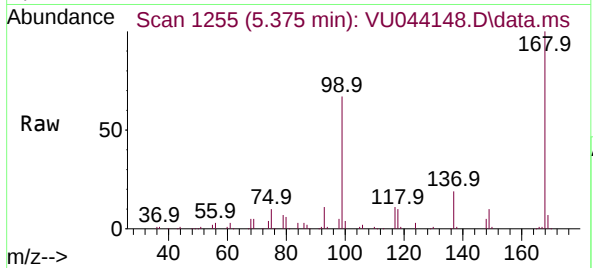




#31
Cyclohexane
Concen: 1.052 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.020 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

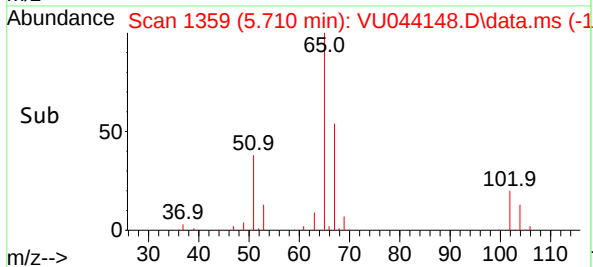
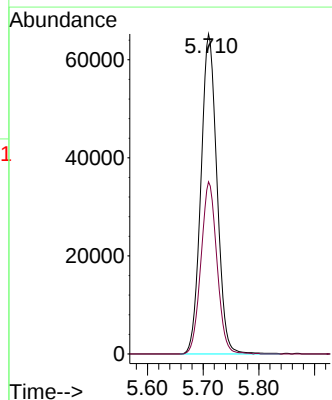
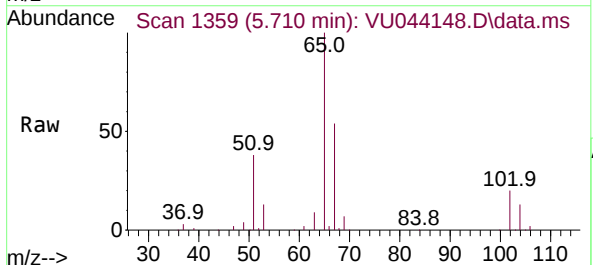
Instrument :
MSVOA_U
ClientSampled :

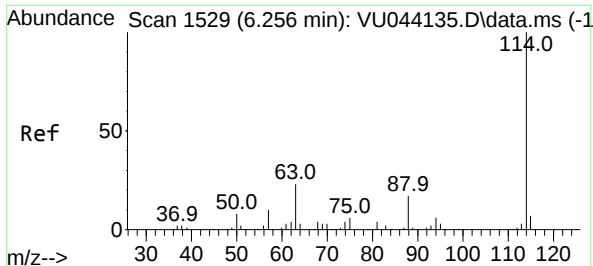
Tgt Ion: 56 Resp: 3391
Ion Ratio Lower Upper
56 100
69 173.3 25.5 38.3#
84 127.3 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 57.206 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

Tgt Ion: 65 Resp: 130654
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU044148.D

Acq: 10 Jun 2021 12:15

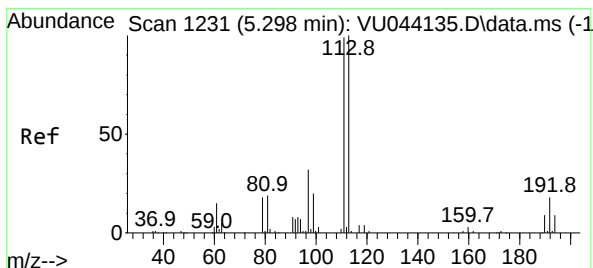
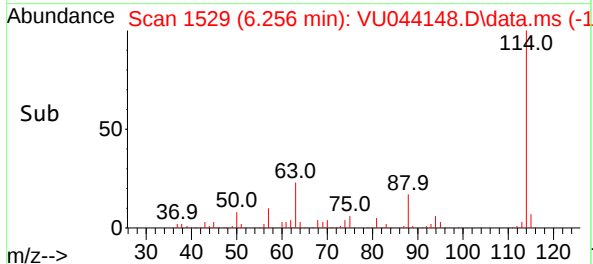
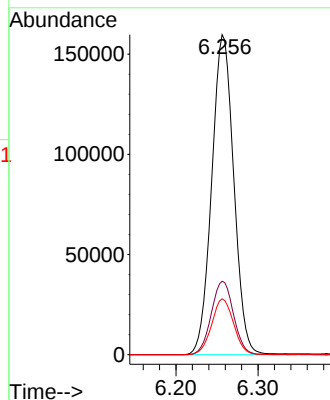
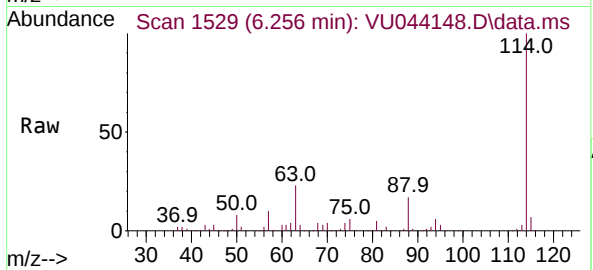
Tgt Ion:114 Resp: 297825

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.8

88 17.5 0.0 34.0



#35

Dibromofluoromethane

Concen: 48.408 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU044148.D

Acq: 10 Jun 2021 12:15

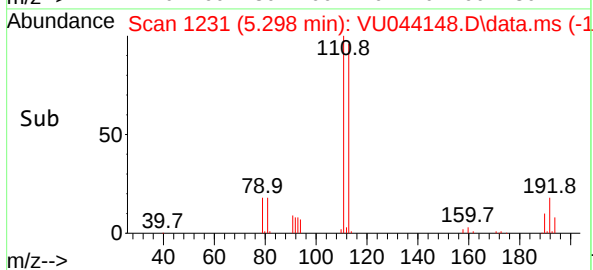
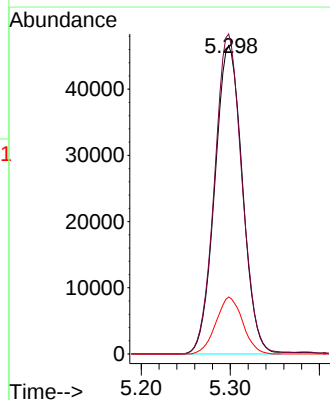
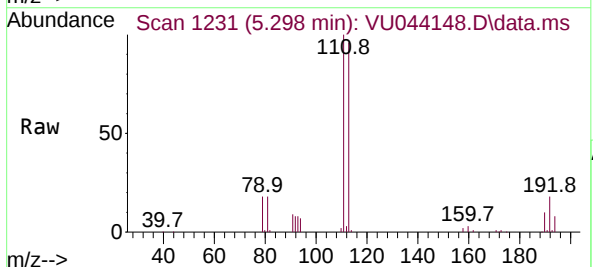
Tgt Ion:113 Resp: 100289

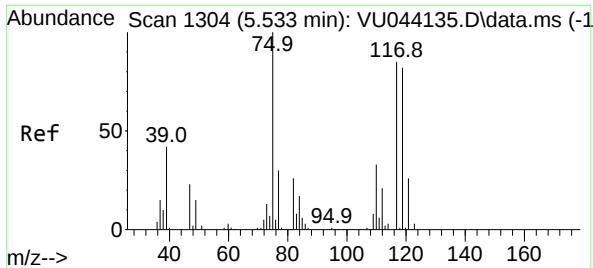
Ion Ratio Lower Upper

113 100

111 103.0 81.0 121.4

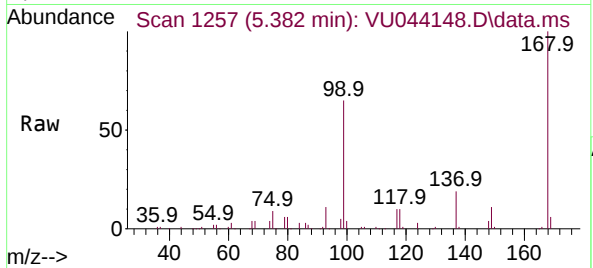
192 17.9 14.3 21.5



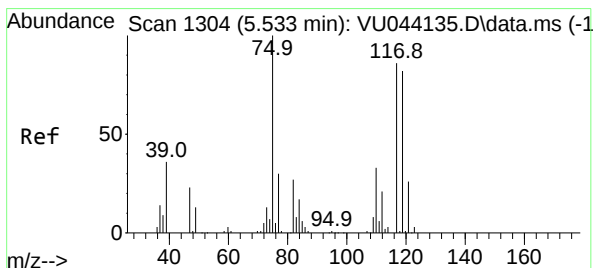
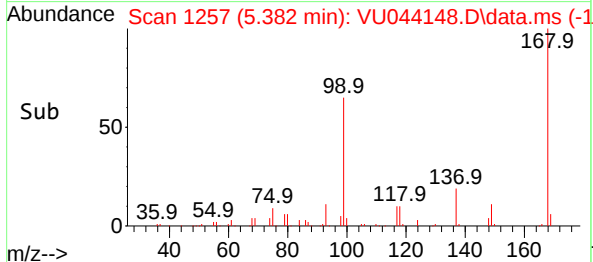
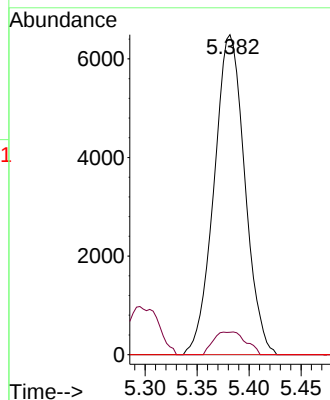


#36
1,1-Dichloropropene
Concen: 4.032 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

Instrument :
MSVOA_U
ClientSampled :

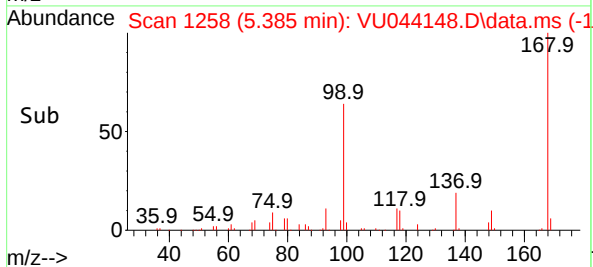
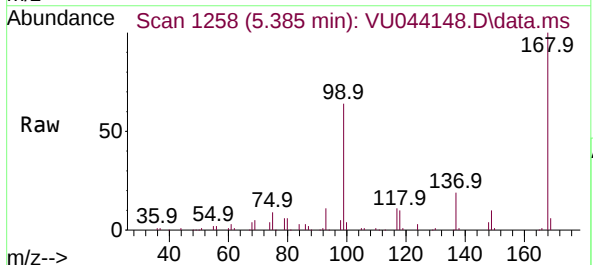
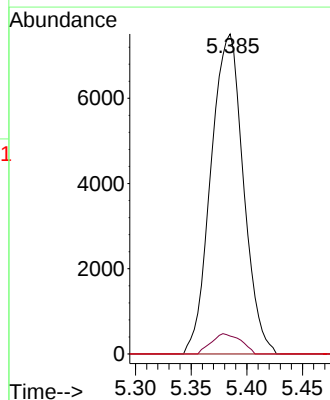


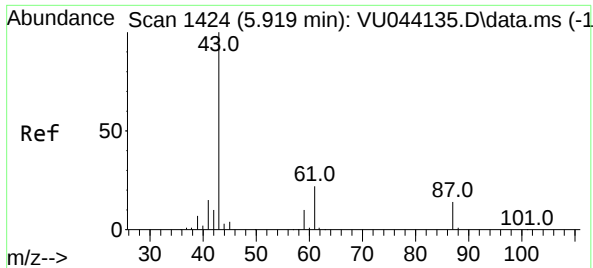
Tgt Ion: 75 Resp: 13361
Ion Ratio Lower Upper
75 100
110 7.4 16.4 49.4#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.094 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

Tgt Ion: 117 Resp: 15238
Ion Ratio Lower Upper
117 100
119 5.6 76.6 114.8#
121 0.0 24.6 36.8#

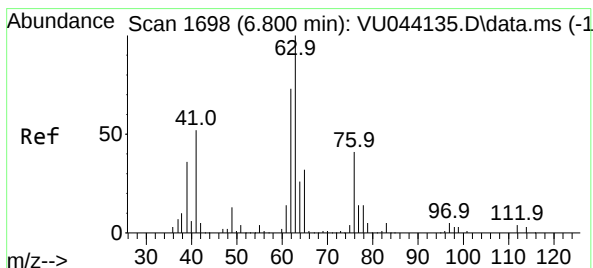
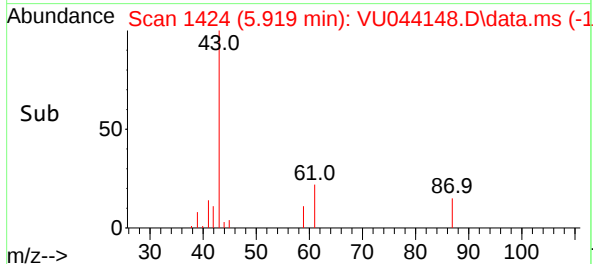
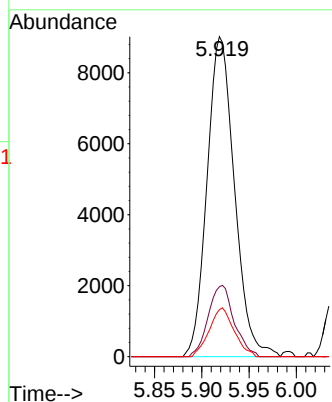
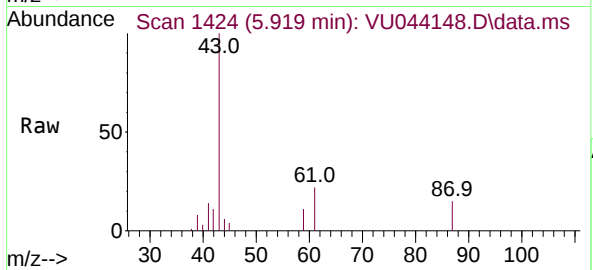




#43
Isopropyl Acetate
Concen: 3.229 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

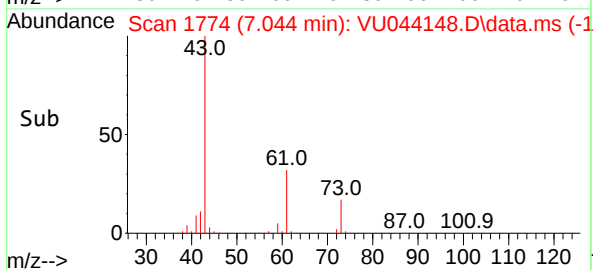
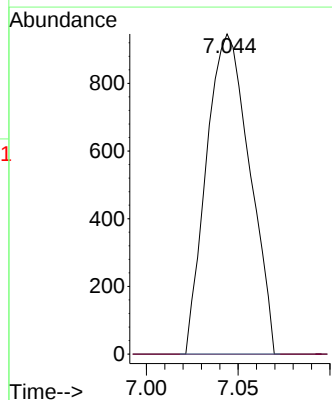
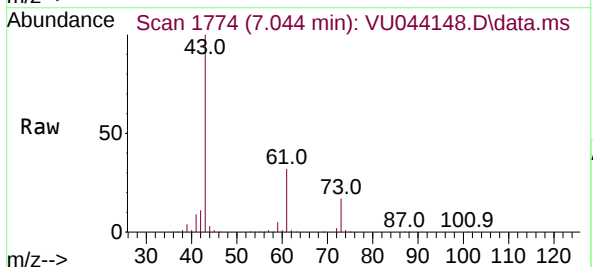
Instrument :
MSVOA_U
ClientSampled :

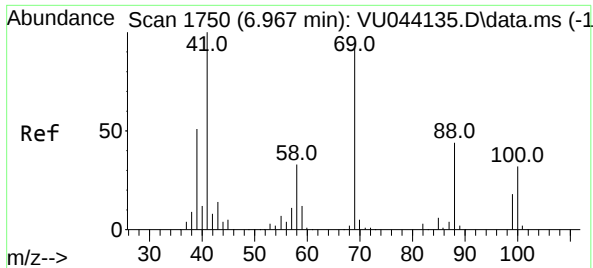
Tgt Ion: 43	Resp: 18178
Ion Ratio	Lower Upper
43 100	
61 21.0	17.8 26.8
87 13.8	11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.580 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

Tgt Ion: 63	Resp: 1547
Ion Ratio	Lower Upper
63 100	
65 0.0	25.7 38.5#

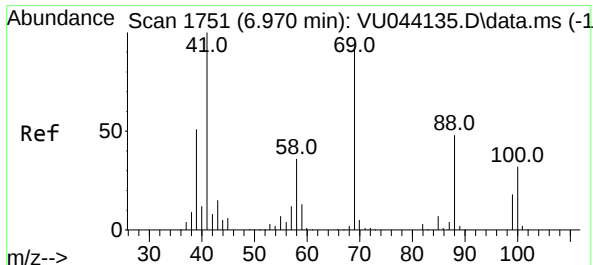
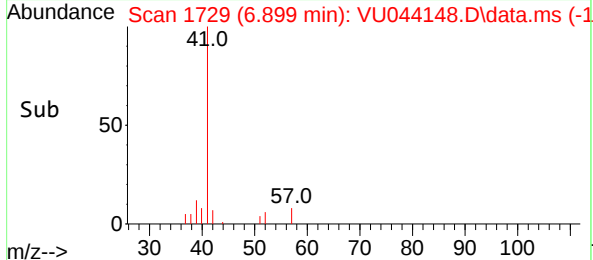
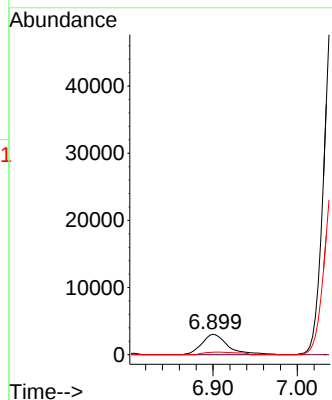
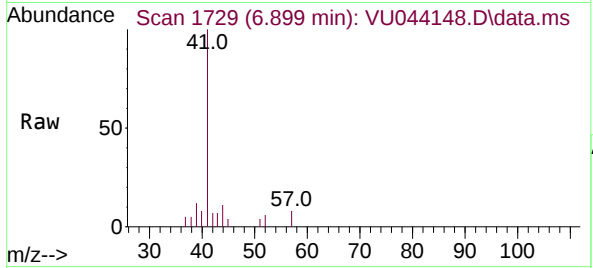




#48
Methyl methacrylate
Concen: 2.411 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

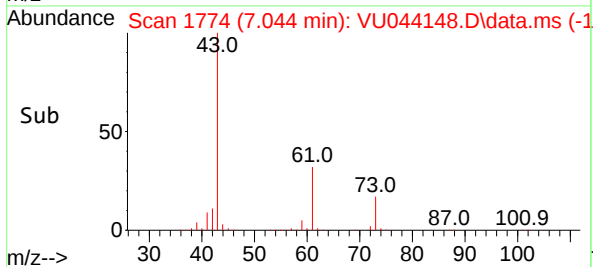
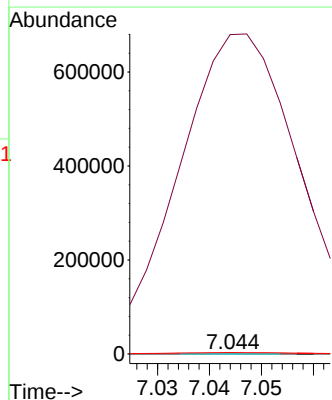
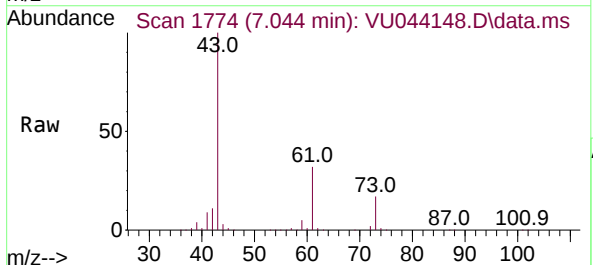
Instrument :
MSVOA_U
ClientSampled :

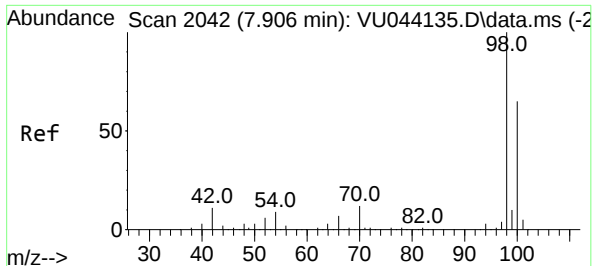
Tgt Ion: 41 Resp: 6605
Ion Ratio Lower Upper
41 100
69 0.0 74.0 111.0#
39 0.0 41.5 62.3#



#49
1,4-Dioxane
Concen: 0.893 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.074 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 1819606.3 23.4 35.0#
58 8978.1 58.1 87.1#





#50

Toluene-d8

Concen: 50.246 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044148.D

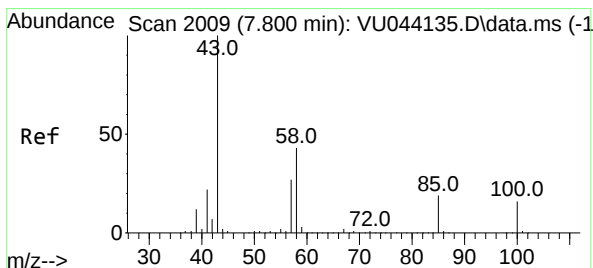
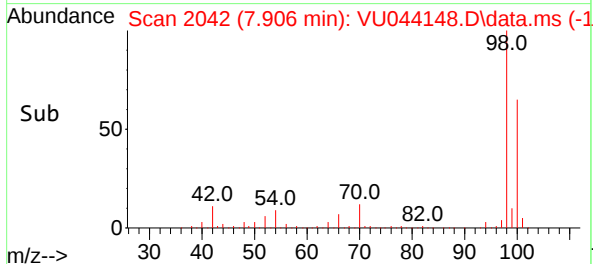
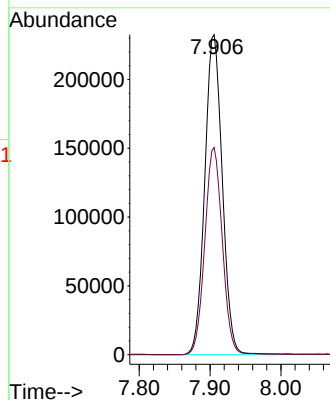
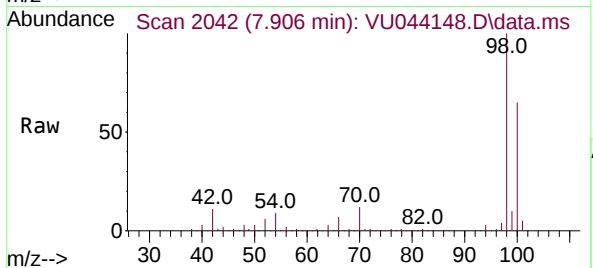
Acq: 10 Jun 2021 12:15

Tgt Ion: 98 Resp: 399782

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.136 ug/l

RT: 7.800 min Scan# 2009

Delta R.T. -0.000 min

Lab File: VU044148.D

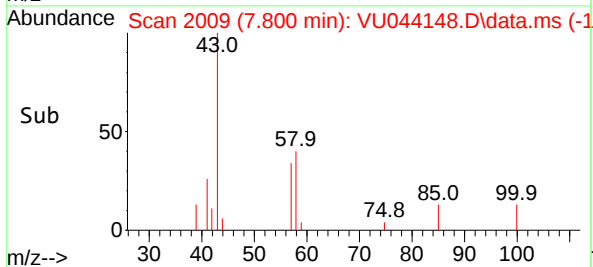
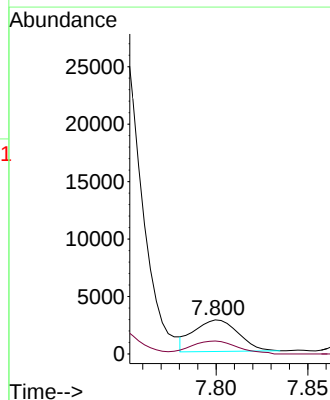
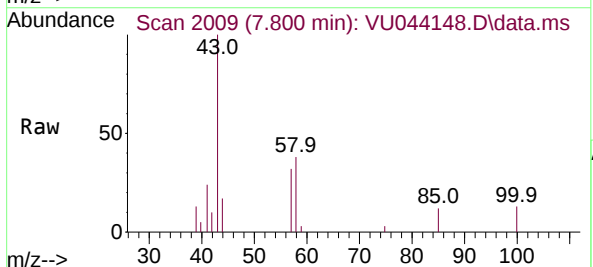
Acq: 10 Jun 2021 12:15

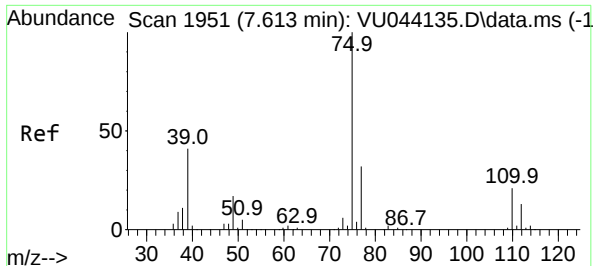
Tgt Ion: 43 Resp: 4629

Ion Ratio Lower Upper

43 100

58 43.5 34.5 51.7



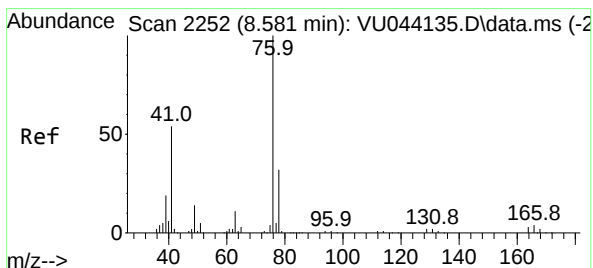
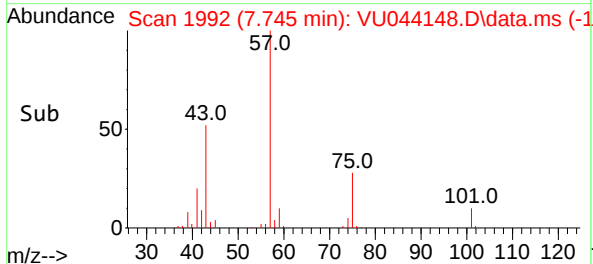
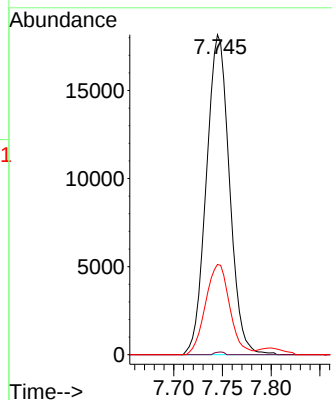
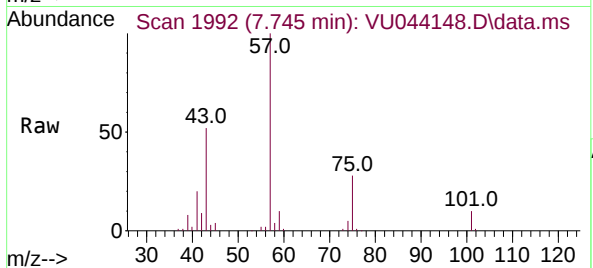


#54

cis-1,3-Dichloropropene
 Concen: 7.506 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044148.D
 Acq: 10 Jun 2021 12:15

Instrument :
 MSVOA_U
 ClientSampled :

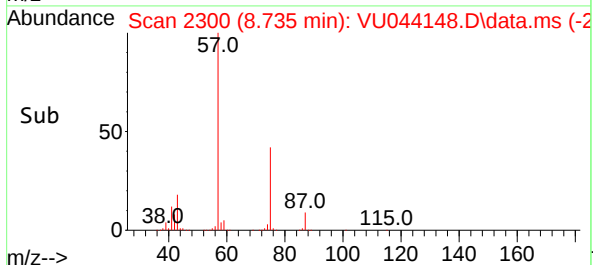
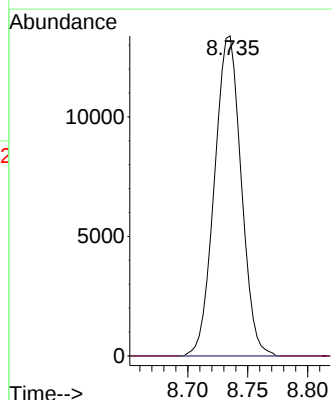
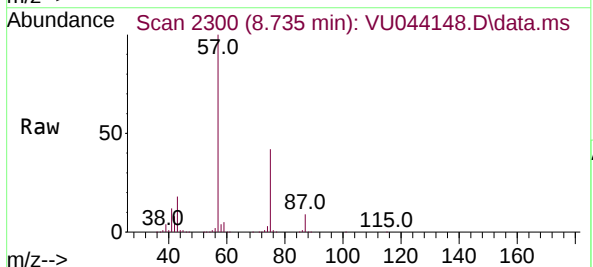
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.8	25.9	38.9#
39	28.2	33.2	49.8#

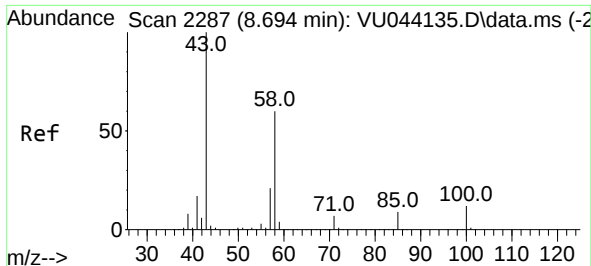


#57

1,3-Dichloropropane
 Concen: 4.786 ug/l
 RT: 8.735 min Scan# 2300
 Delta R.T. 0.154 min
 Lab File: VU044148.D
 Acq: 10 Jun 2021 12:15

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.9	38.9#





#59

2-Hexanone

Concen: 84.249 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.038 min

Lab File: VU044148.D

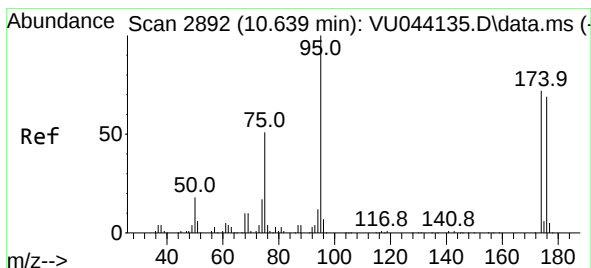
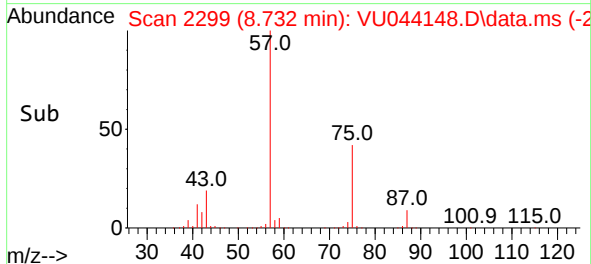
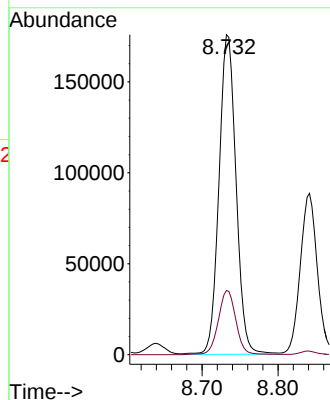
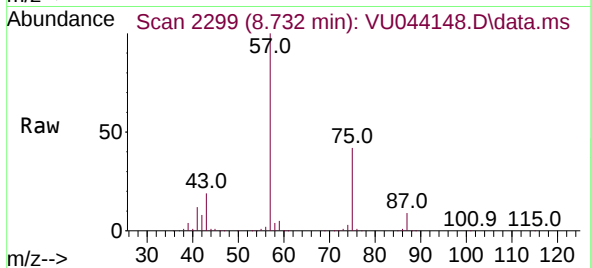
Acq: 10 Jun 2021 12:15

Tgt Ion: 43 Resp: 273959

Ion Ratio Lower Upper

43 100

58 20.7 30.0 90.1#



#62

4-Bromofluorobenzene

Concen: 47.830 ug/l

RT: 10.639 min Scan# 2892

Delta R.T. -0.000 min

Lab File: VU044148.D

Acq: 10 Jun 2021 12:15

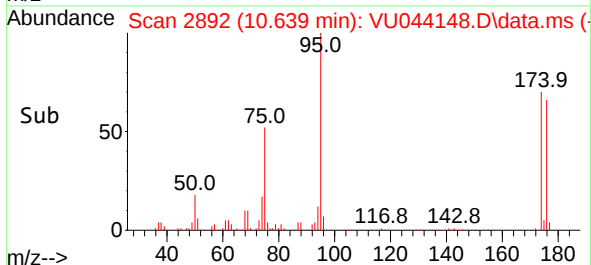
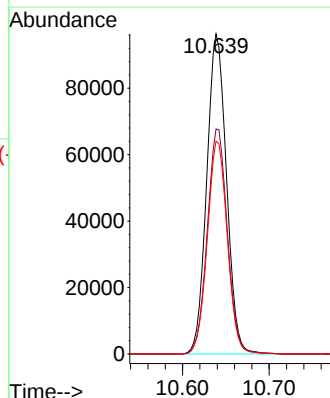
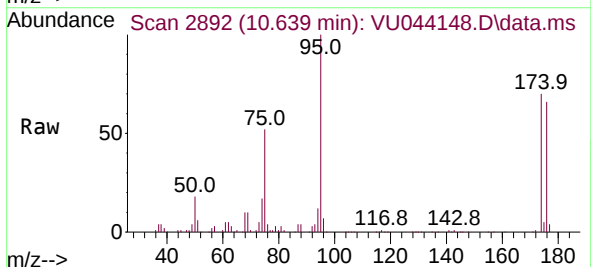
Tgt Ion: 95 Resp: 152511

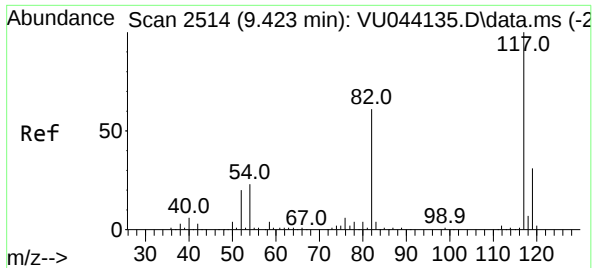
Ion Ratio Lower Upper

95 100

174 71.6 0.0 144.4

176 67.2 0.0 138.0

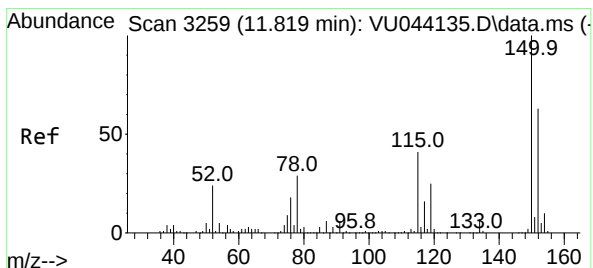
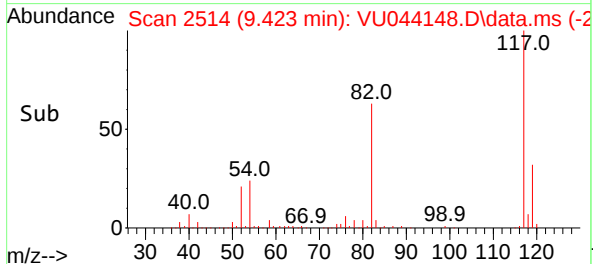
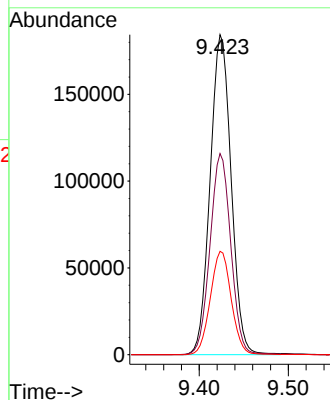
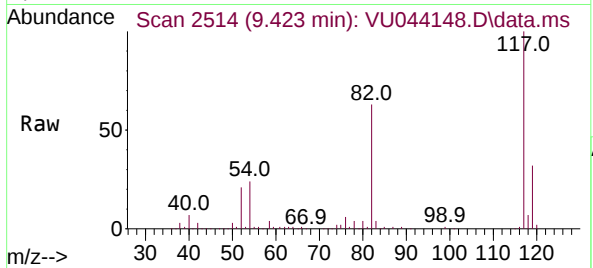




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

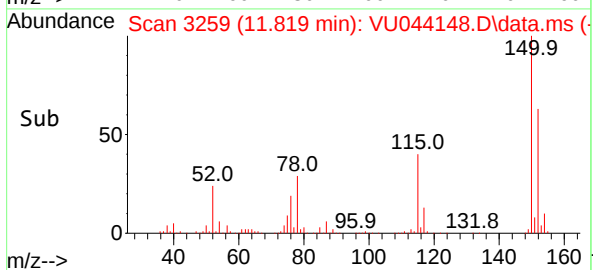
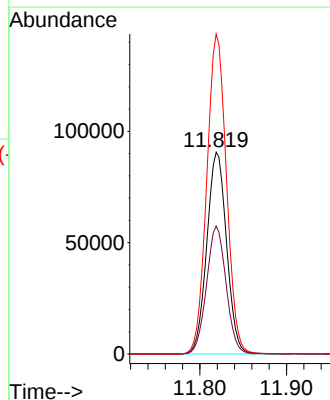
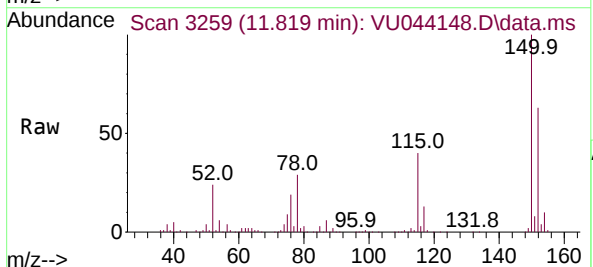
Instrument :
MSVOA_U
ClientSampled :

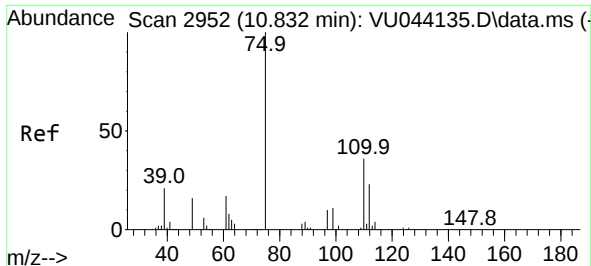
Tgt Ion:117 Resp: 302092
Ion Ratio Lower Upper
117 100
82 62.8 48.8 73.2
119 32.3 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

Tgt Ion:152 Resp: 143558
Ion Ratio Lower Upper
152 100
115 62.7 43.8 131.3
150 157.7 0.0 350.6

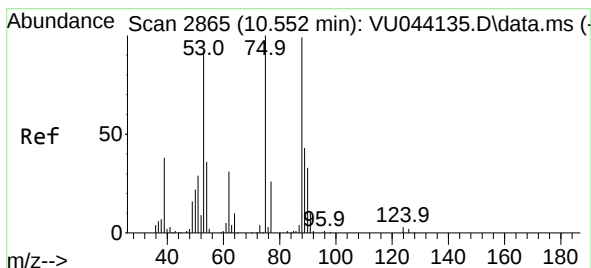
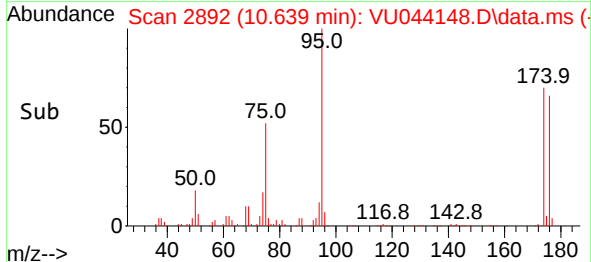
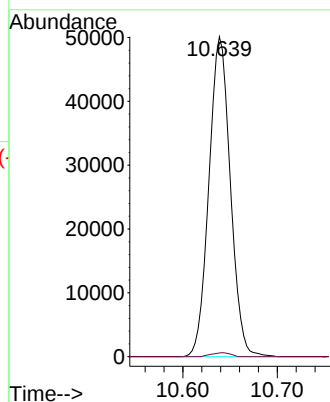
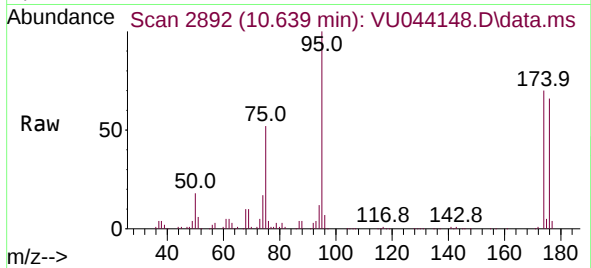




#76
1,2,3-Trichloropropane
Concen: 16.401 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

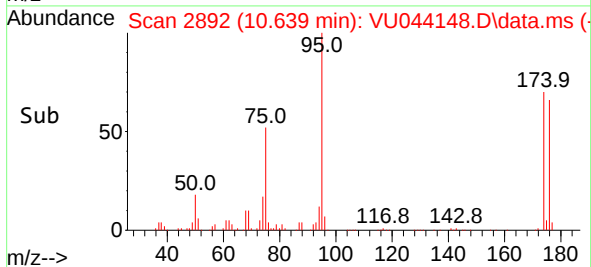
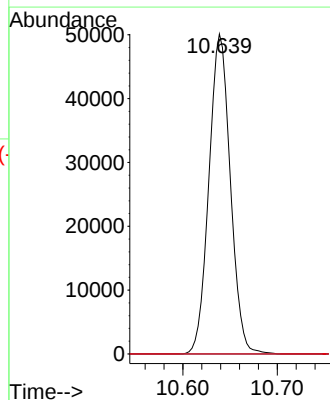
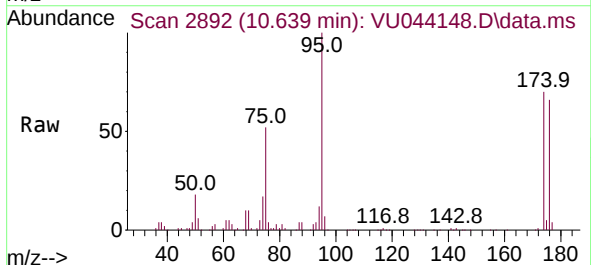
Instrument :
MSVOA_U
ClientSampled :

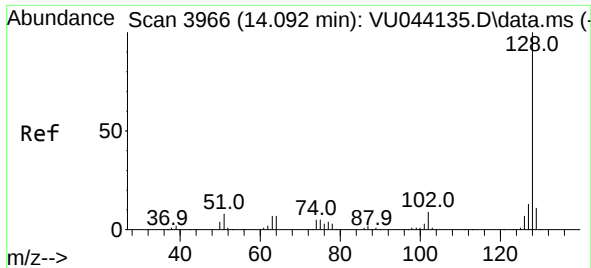
Tgt Ion: 75 Resp: 78941
Ion Ratio Lower Upper
75 100
77 1.1 14.9 44.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.453 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

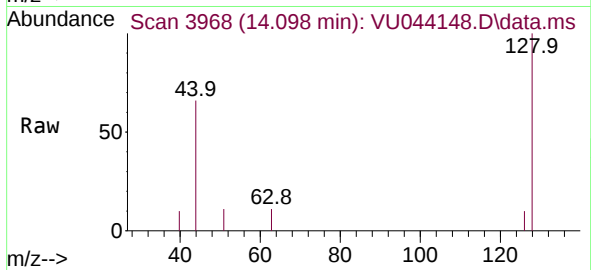
Tgt Ion: 75 Resp: 78941
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#





#95
Naphthalene
Concen: 3.002 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU044148.D
Acq: 10 Jun 2021 12:15

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 1777
Ion Ratio Lower Upper
128 100
127 8.3 10.2 15.2#
129 3.9 8.6 13.0#

