

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044151.D
 Acq On : 10 Jun 2021 13:26
 Operator : SY/MD
 Sample : M2626-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:19:46 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)

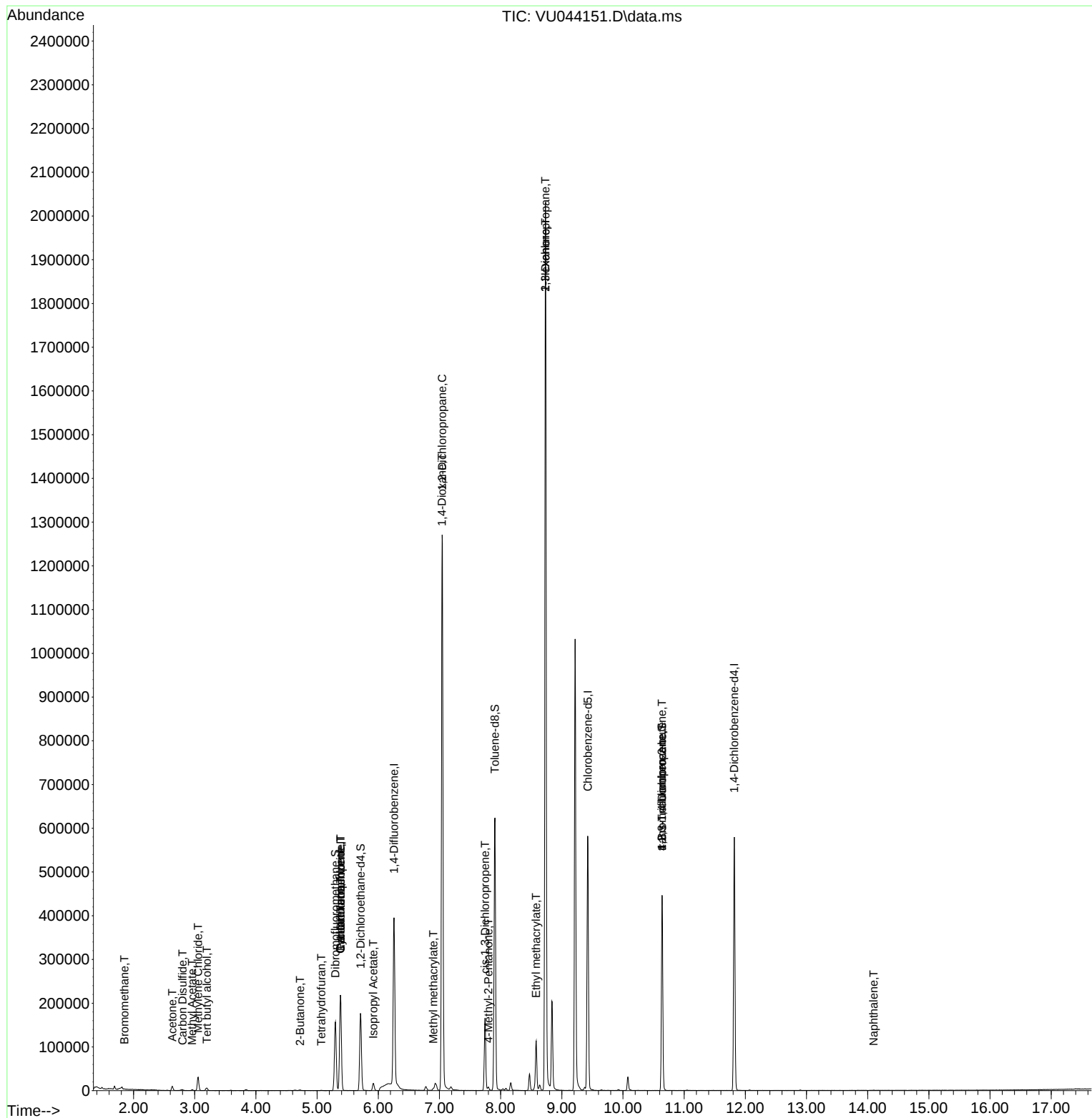
Internal Standards						
1) Pentafluorobenzene	5.382	168	142567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	297873	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.424	117	305413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	143627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	130641	57.623	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.240%	
35) Dibromofluoromethane	5.298	113	100604	48.552	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.100%	
50) Toluene-d8	7.906	98	400057	50.272	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.540%	
62) 4-Bromofluorobenzene	10.639	95	151562	47.525	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.524	50	614	Below Cal	#	87
5) Bromomethane	1.851	94	338	0.341	ug/l	84
6) Chloroethane	1.945	64	155	Below Cal	#	42
11) Tert butyl alcohol	3.199	59	4221	6.921	ug/l	# 73
13) Acrolein	2.495	56	313	Below Cal		95
16) Acetone	2.633	43	11095	7.400	ug/l	99
17) Carbon Disulfide	2.800	76	2318	0.412	ug/l	97
18) Methyl Acetate	2.958	43	2634	0.903	ug/l	# 71
20) Methylene Chloride	3.054	84	14646	6.116	ug/l	99
25) 2-Butanone	4.723	43	2469	1.305	ug/l	96
29) Tetrahydrofuran	5.070	42	514	0.500	ug/l	# 49
31) Cyclohexane	5.379	56	3294	1.029	ug/l	# 1
36) 1,1-Dichloropropene	5.382	75	12766	3.852	ug/l	# 49
38) Carbon Tetrachloride	5.385	117	15714	5.252	ug/l	# 16
43) Isopropyl Acetate	5.919	43	17656	3.136	ug/l	98
45) 1,2-Dichloropropane	7.044	63	1480	0.555	ug/l	# 43
48) Methyl methacrylate	6.900	41	6245	2.279	ug/l	# 11
49) 1,4-Dioxane	7.041	88	92	1.284	ug/l	# 1
51) 4-Methyl-2-Pentanone	7.800	43	4561	1.119	ug/l	94
54) cis-1,3-Dichloropropene	7.745	75	28837	7.220	ug/l	# 65
56) Ethyl methacrylate	8.578	69	1159	0.310	ug/l	# 1
57) 1,3-Dichloropropane	8.732	76	20248	4.668	ug/l	# 42
59) 2-Hexanone	8.732	43	265413	81.608	ug/l	# 48
76) 1,2,3-Trichloropropane	10.639	75	77690	16.133	ug/l	# 47
81) trans-1,4-Dichloro-2-b...	10.639	75	77690	58.483	ug/l	# 13
95) Naphthalene	14.095	128	673	2.899	ug/l	# 69

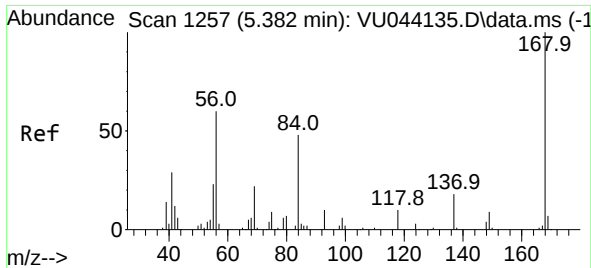
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 10 05:11:37 2021
Response via : Initial Calibration

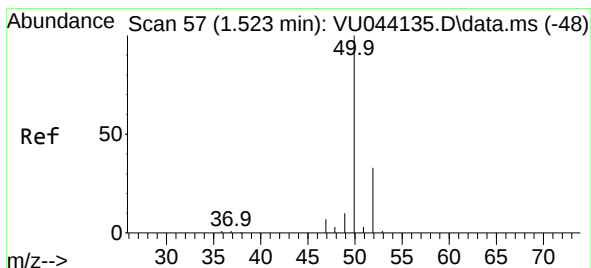
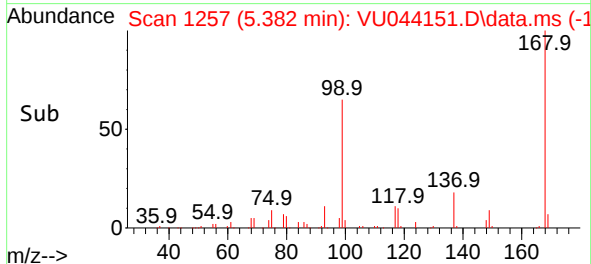
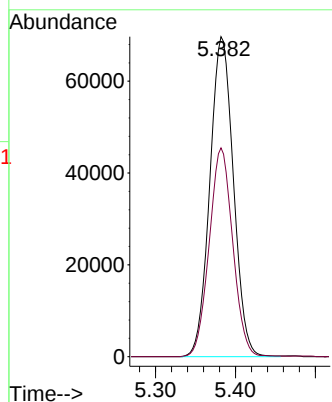
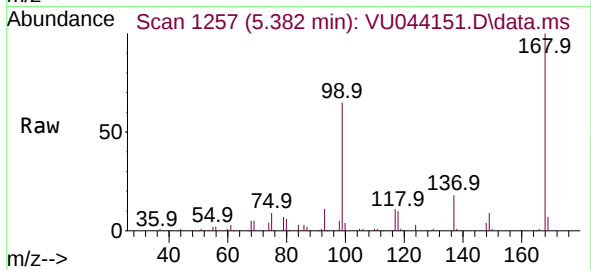




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

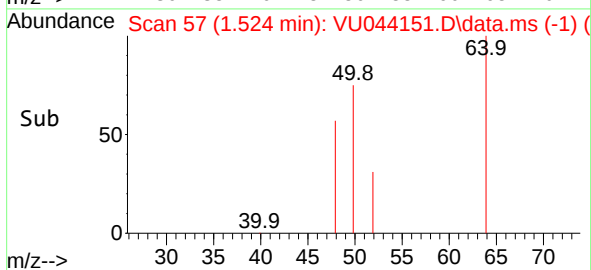
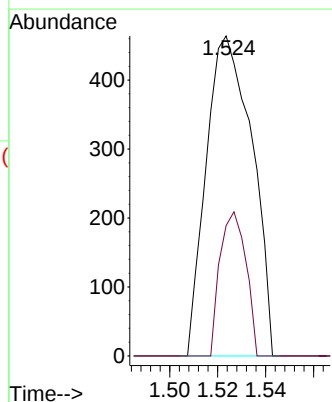
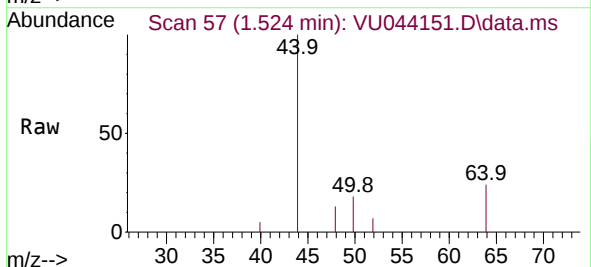
Instrument :
MSVOA_U
ClientSampleId :

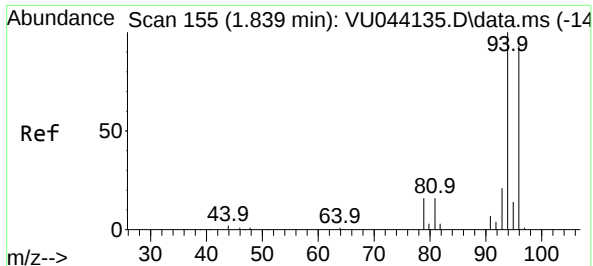
Tgt Ion:168 Resp: 142567
Ion Ratio Lower Upper
168 100
99 65.3 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.524 min Scan# 57
Delta R.T. 0.001 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Tgt Ion: 50 Resp: 614
Ion Ratio Lower Upper
50 100
52 40.7 26.6 39.8#

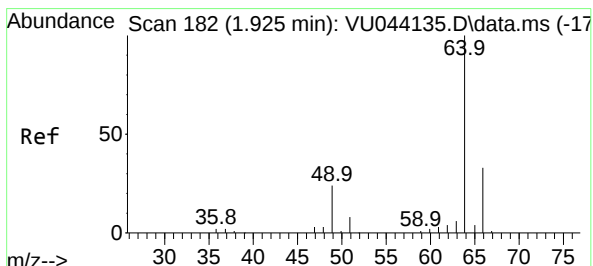
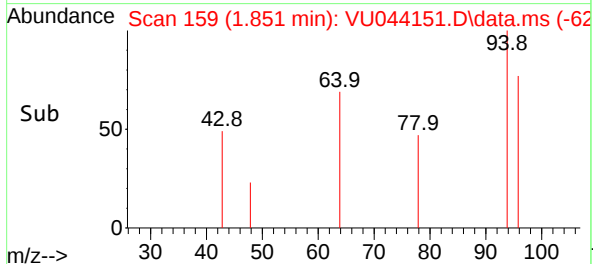
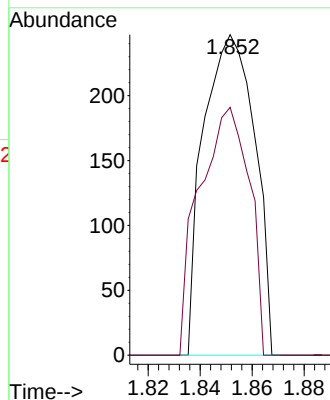
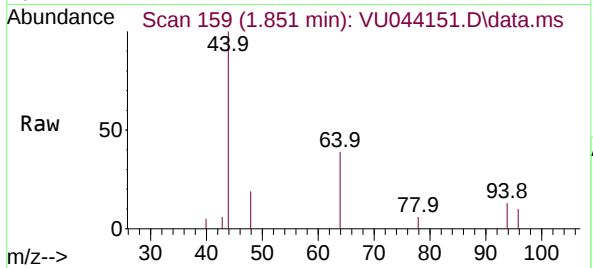




#5
Bromomethane
Concen: 0.341 ug/l
RT: 1.851 min Scan# 159
Delta R.T. 0.012 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

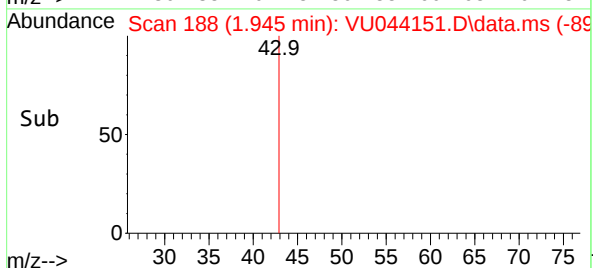
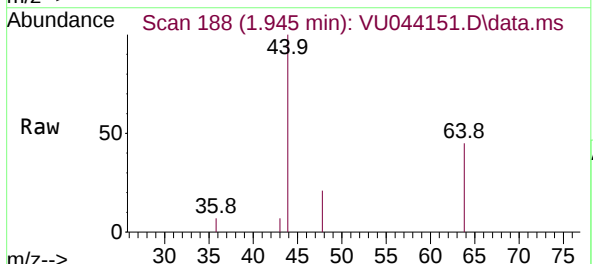
Instrument :
MSVOA_U
ClientSampled :

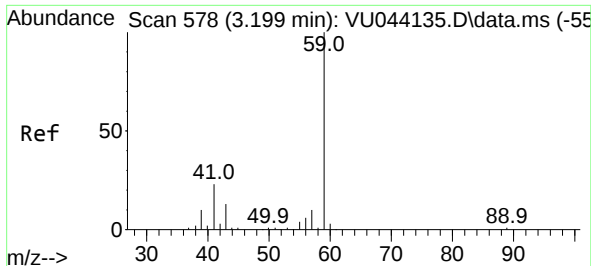
Tgt Ion: 94 Resp: 338
Ion Ratio Lower Upper
94 100
96 77.3 74.1 111.1



#6
Chloroethane
Concen: Below Cal
RT: 1.945 min Scan# 188
Delta R.T. 0.020 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Tgt Ion: 64 Resp: 155
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



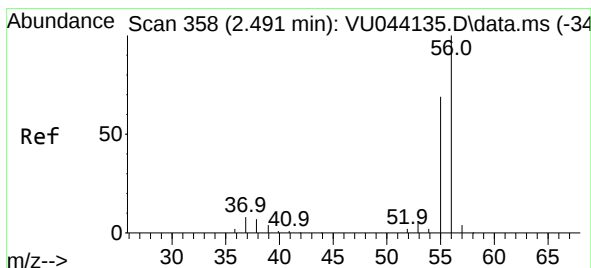
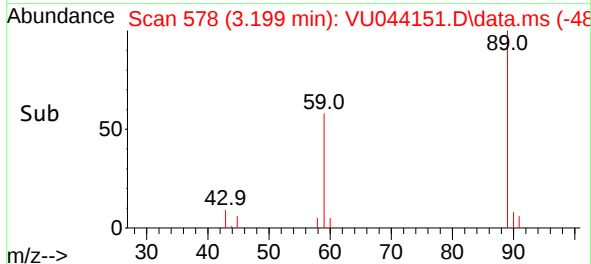
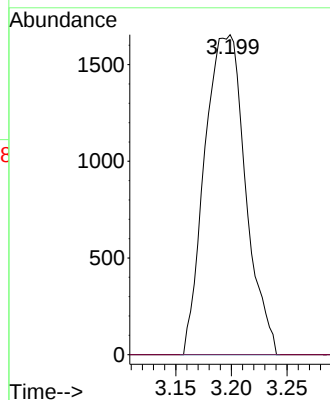
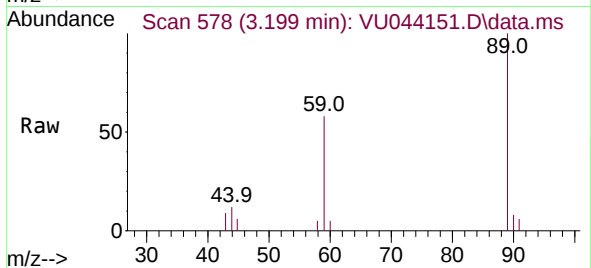


#11

Tert butyl alcohol
Concen: 6.921 ug/l
RT: 3.199 min Scan# 578
Delta R.T. -0.000 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Instrument :
MSVOA_U
ClientSampled :

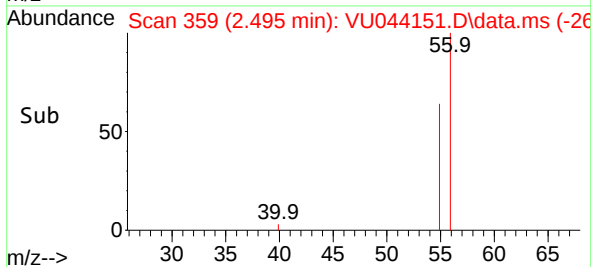
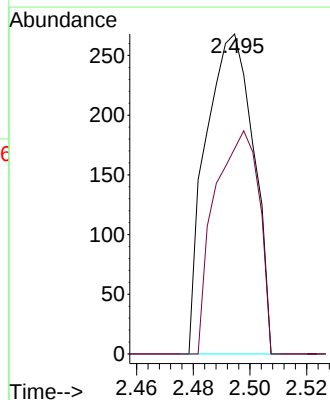
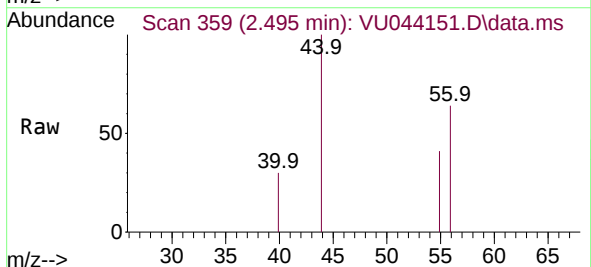
Tgt Ion: 59 Resp: 4221
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

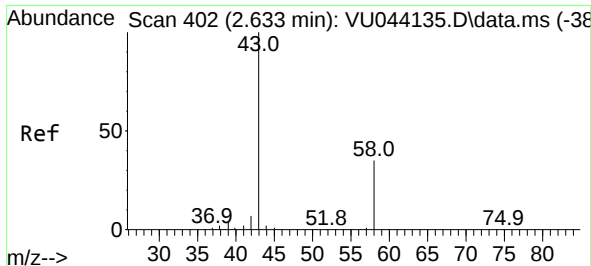


#13

Acrolein
Concen: Below Cal
RT: 2.495 min Scan# 359
Delta R.T. 0.004 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Tgt Ion: 56 Resp: 313
Ion Ratio Lower Upper
56 100
55 64.9 55.1 82.7

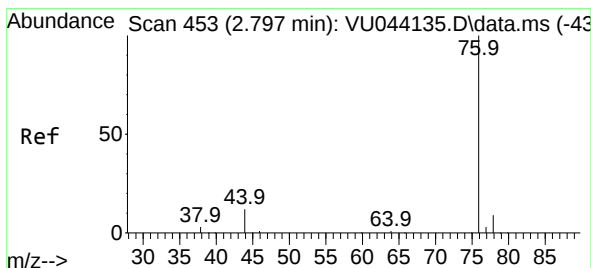
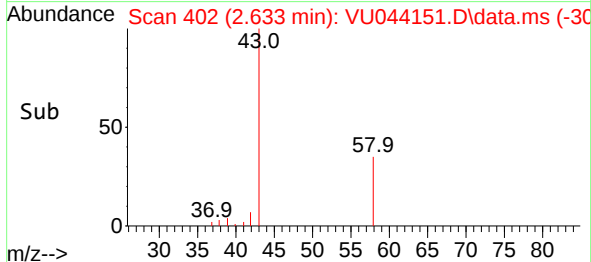
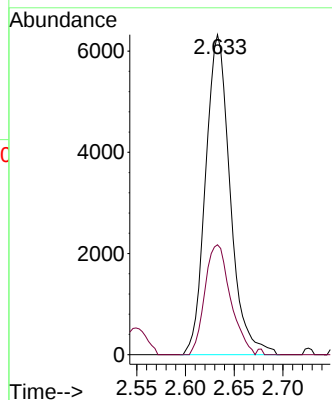
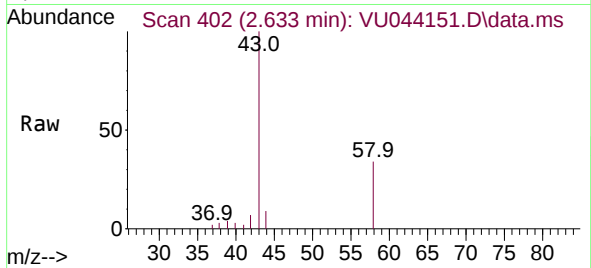




#16
Acetone
Concen: 7.400 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

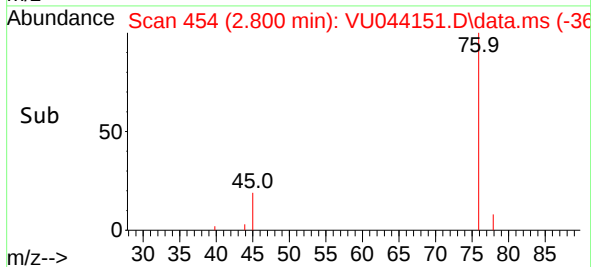
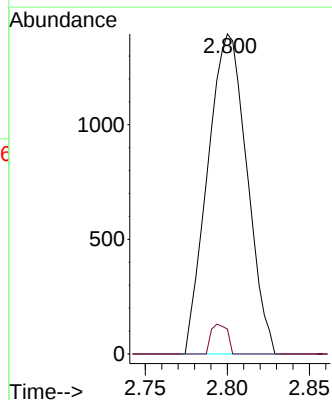
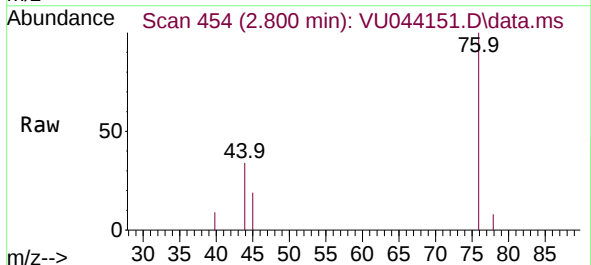
Instrument :
MSVOA_U
ClientSampled :

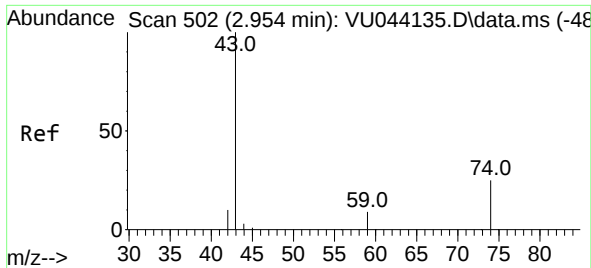
Tgt Ion: 43 Resp: 11095
Ion Ratio Lower Upper
43 100
58 34.4 28.0 42.0



#17
Carbon Disulfide
Concen: 0.412 ug/l
RT: 2.800 min Scan# 454
Delta R.T. 0.003 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Tgt Ion: 76 Resp: 2318
Ion Ratio Lower Upper
76 100
78 7.8 7.2 10.8

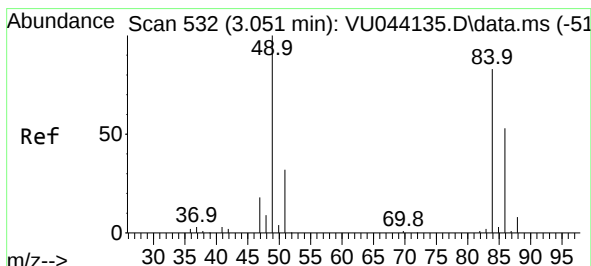
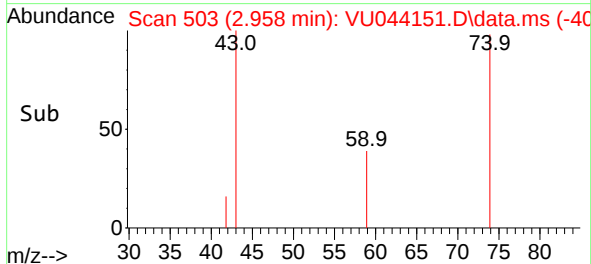
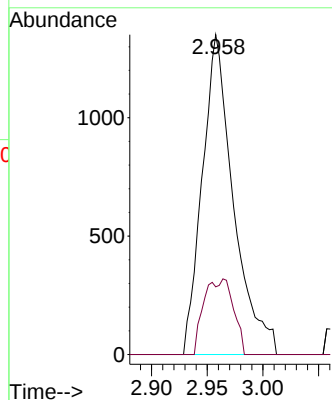
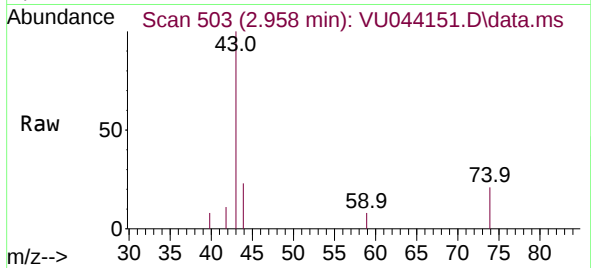




#18
Methyl Acetate
Concen: 0.903 ug/l
RT: 2.958 min Scan# 503
Delta R.T. 0.004 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

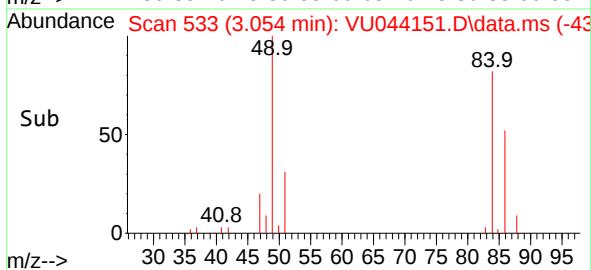
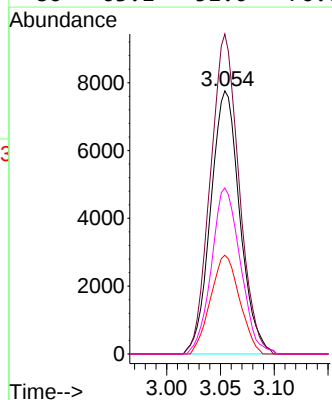
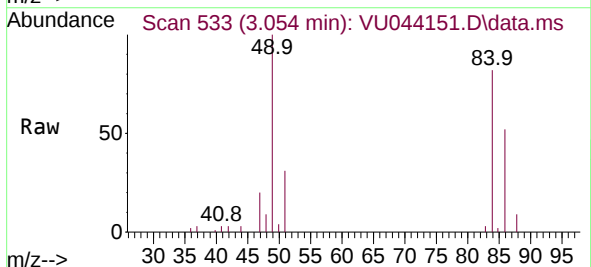
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MSVOA_U
ClientSampled :

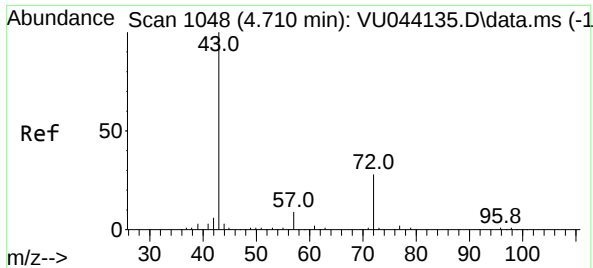
Tgt Ion: 43 Resp: 2634
Ion Ratio Lower Upper
43 100
74 10.5 20.3 30.5#



#20
Methylene Chloride
Concen: 6.116 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Tgt Ion: 84 Resp: 14646
Ion Ratio Lower Upper
84 100
49 121.7 96.9 145.3
51 37.6 31.0 46.6
86 63.1 51.0 76.6

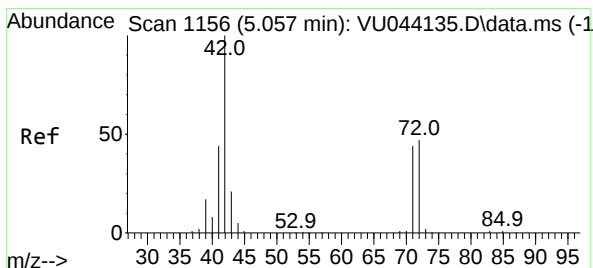
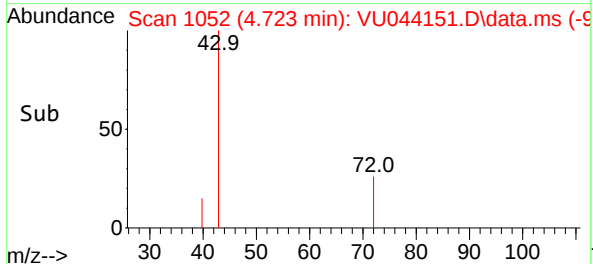
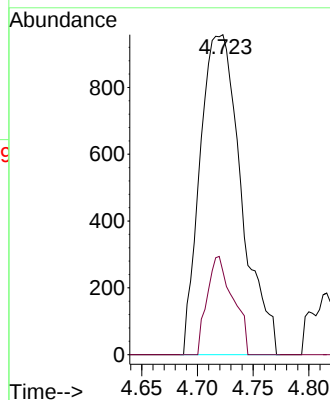
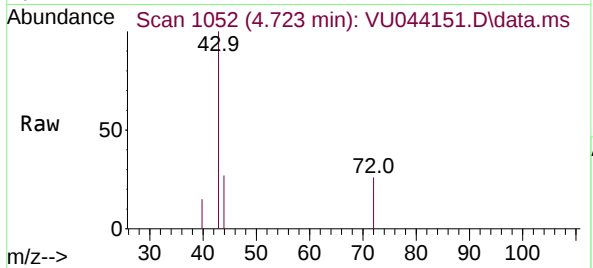




#25
2-Butanone
Concen: 1.305 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

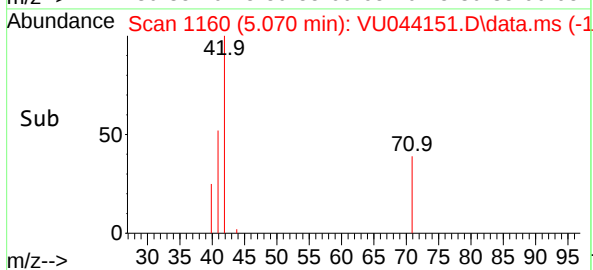
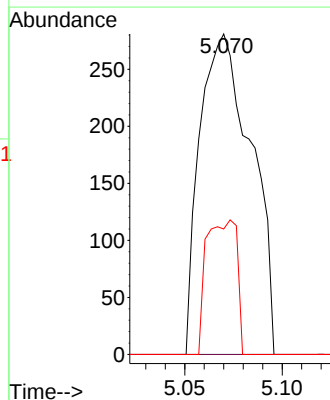
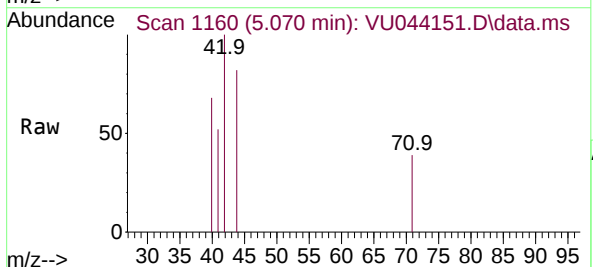
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MSVOA_U
ClientSampled :

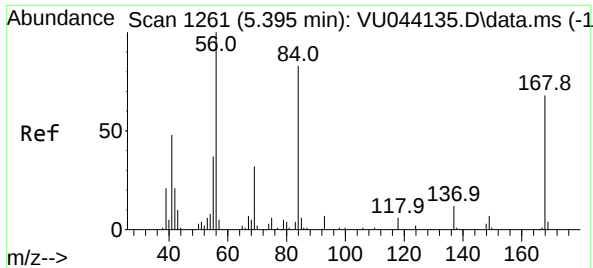
Tgt Ion: 43 Resp: 2469
Ion Ratio Lower Upper
43 100
72 26.0 22.6 33.8



#29
Tetrahydrofuran
Concen: 0.500 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.013 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

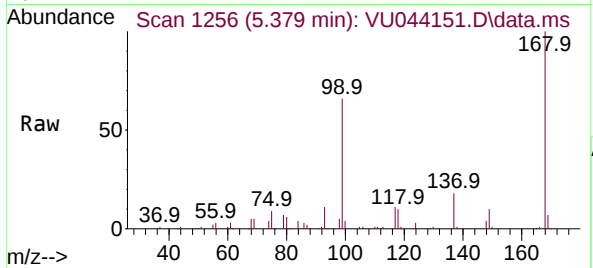
Tgt Ion: 42 Resp: 514
Ion Ratio Lower Upper
42 100
72 0.0 38.6 57.8#
71 24.9 35.5 53.3#



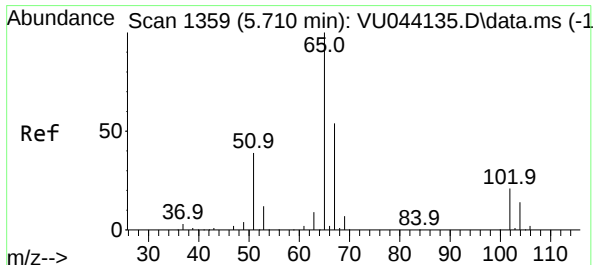
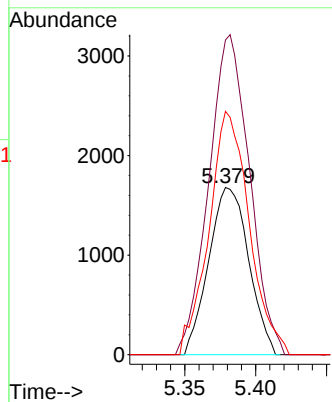
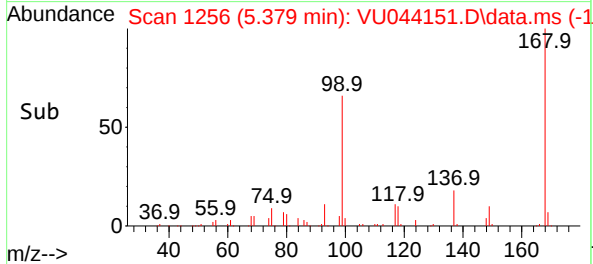


#31
Cyclohexane
Concen: 1.029 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

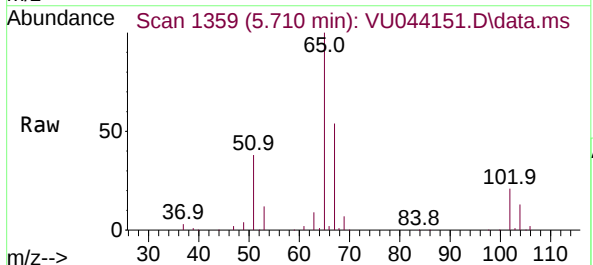
Instrument :
MSVOA_U
ClientSampled :



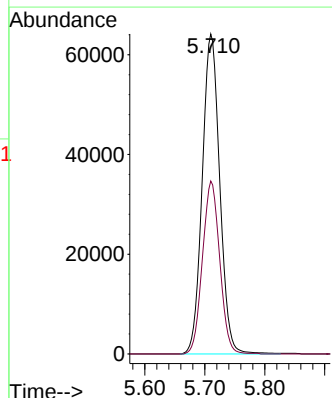
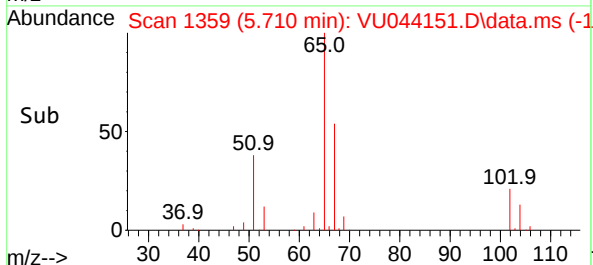
Tgt Ion: 56 Resp: 3294
Ion Ratio Lower Upper
56 100
69 181.8 25.5 38.3#
84 145.6 66.3 99.5#

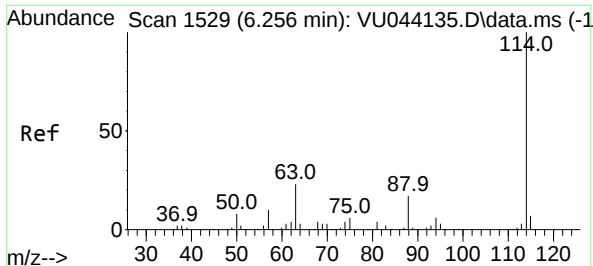


#33
1,2-Dichloroethane-d4
Concen: 57.623 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26



Tgt Ion: 65 Resp: 130641
Ion Ratio Lower Upper
65 100
67 53.2 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: VU044151.D

Acq: 10 Jun 2021 13:26

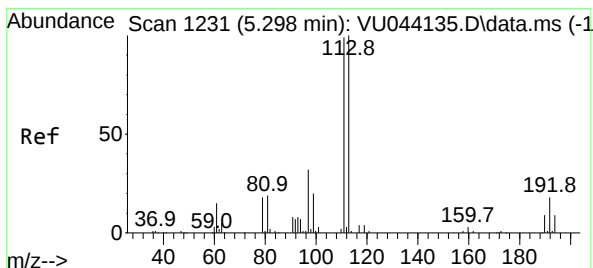
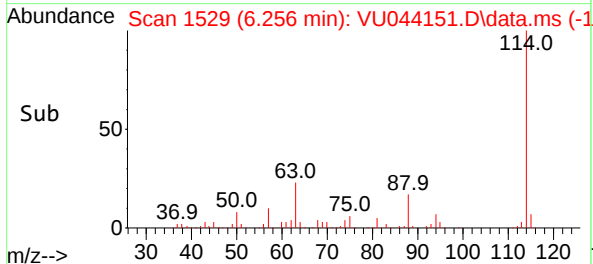
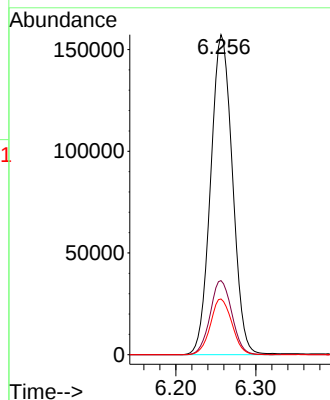
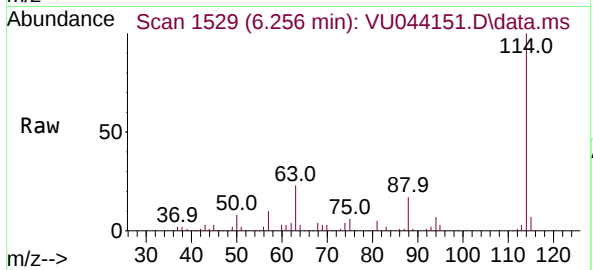
Tgt Ion:114 Resp: 297873

Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.8

88 17.4 0.0 34.0



#35

Dibromofluoromethane

Concen: 48.552 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU044151.D

Acq: 10 Jun 2021 13:26

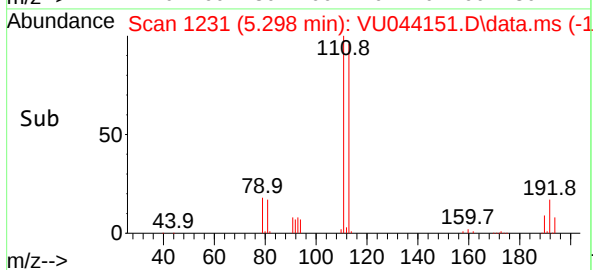
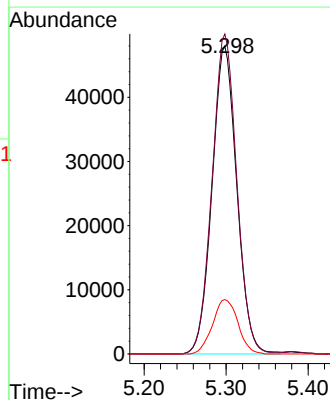
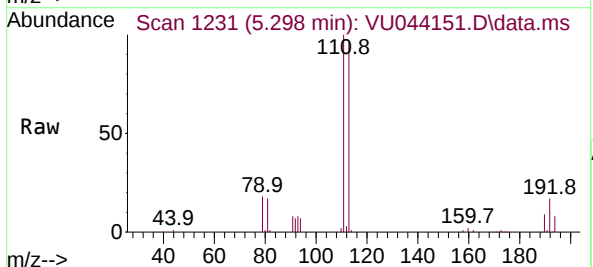
Tgt Ion:113 Resp: 100604

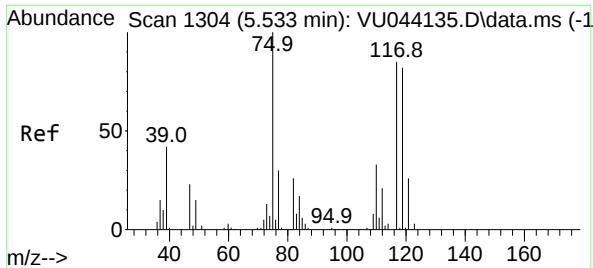
Ion Ratio Lower Upper

113 100

111 103.8 81.0 121.4

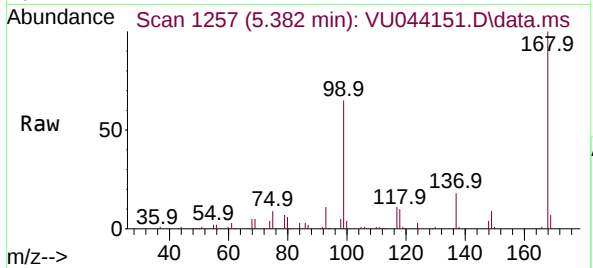
192 18.2 14.3 21.5



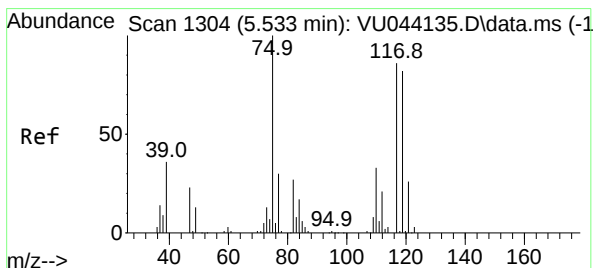
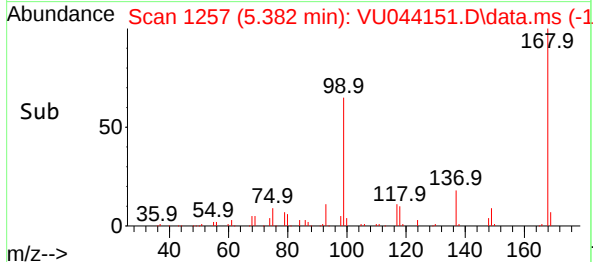
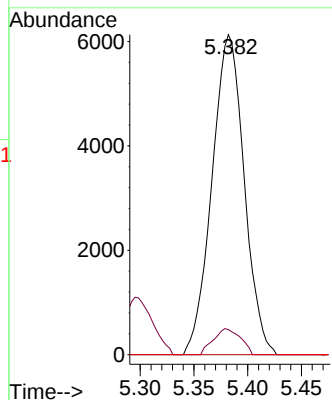


#36
1,1-Dichloropropene
Concen: 3.852 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Instrument :
MSVOA_U
ClientSampleId :

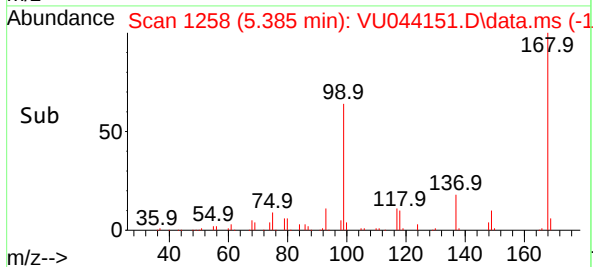
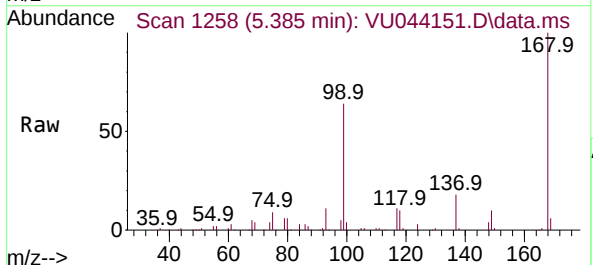
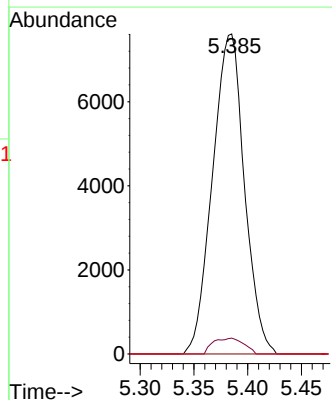


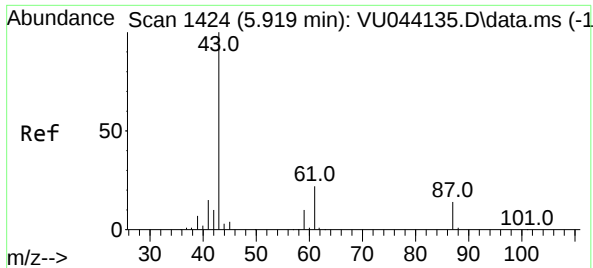
Tgt Ion: 75 Resp: 12766
Ion Ratio Lower Upper
75 100
110 6.8 16.4 49.4#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.252 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Tgt Ion: 117 Resp: 15714
Ion Ratio Lower Upper
117 100
119 4.9 76.6 114.8#
121 0.0 24.6 36.8#

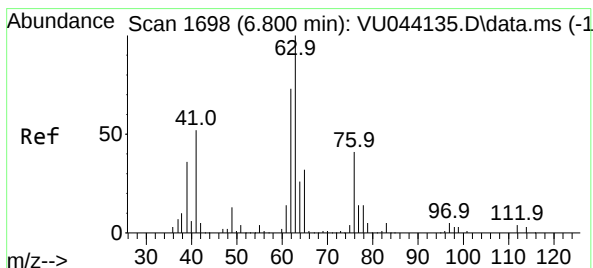
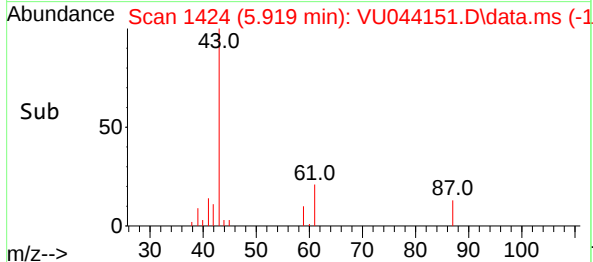
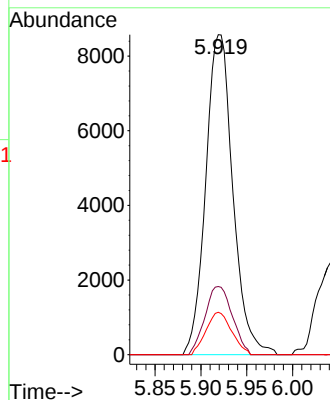
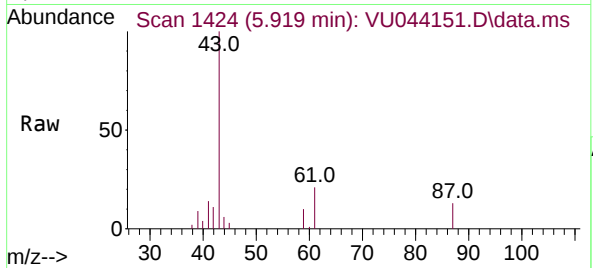




#43
Isopropyl Acetate
Concen: 3.136 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

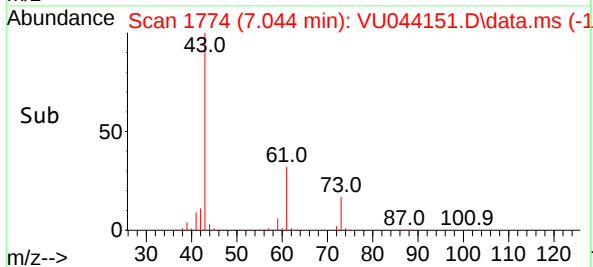
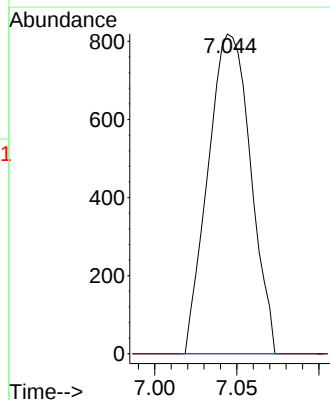
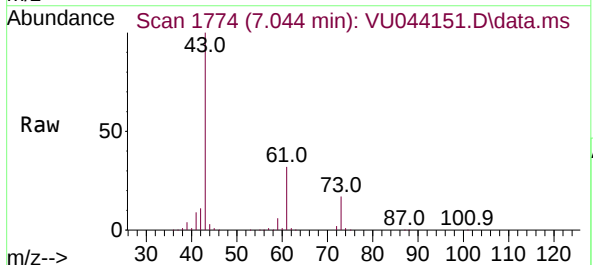
Instrument :
MSVOA_U
ClientSampled :

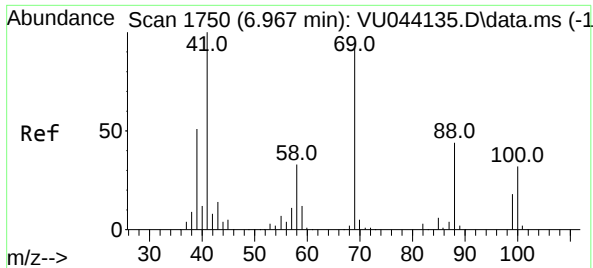
Tgt Ion:	43	Resp:	17656
Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.8	26.8
87	12.5	11.1	16.7



#45
1,2-Dichloropropane
Concen: 0.555 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Tgt Ion:	63	Resp:	1480
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.7	38.5#

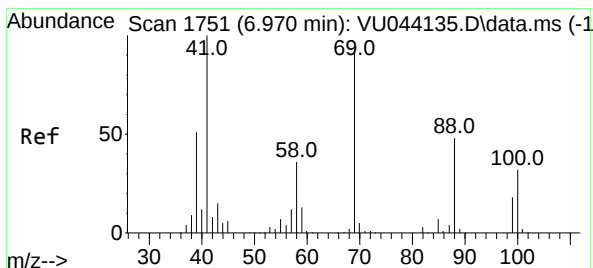
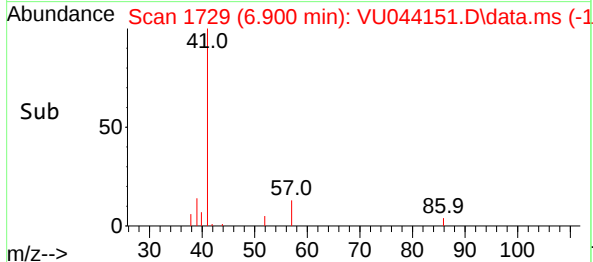
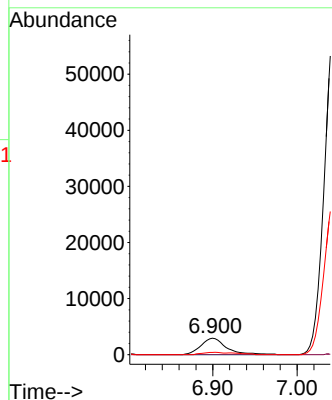
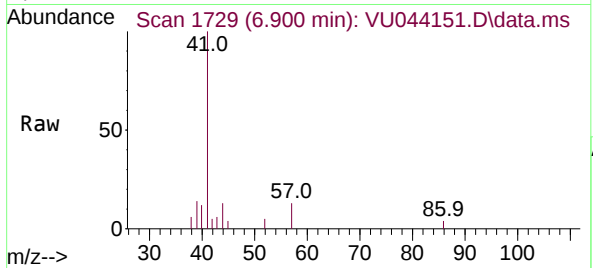




#48
Methyl methacrylate
Concen: 2.279 ug/l
RT: 6.900 min Scan# 1729
Delta R.T. -0.067 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

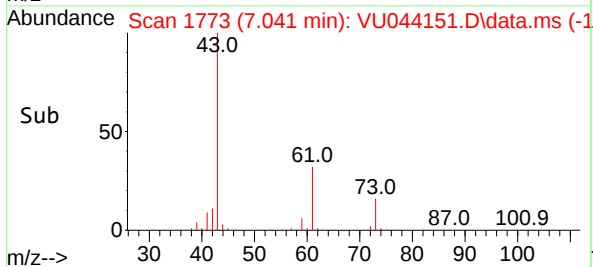
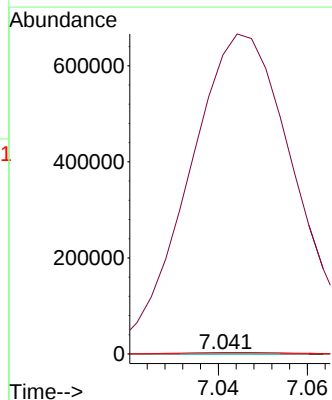
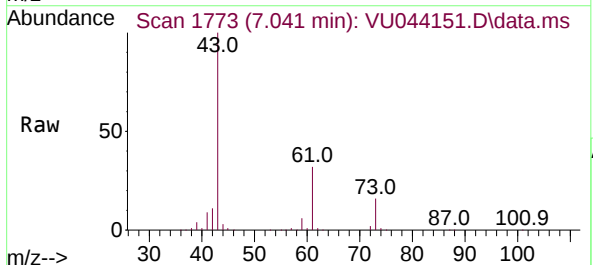
Instrument :
MSVOA_U
ClientSampled :

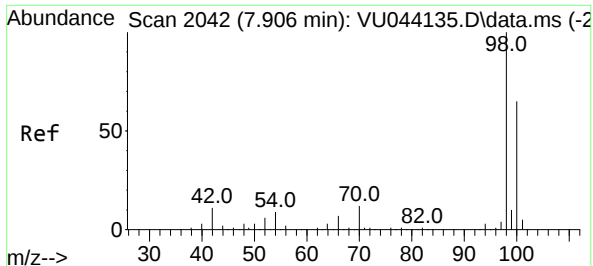
Tgt Ion: 41 Resp: 6245
Ion Ratio Lower Upper
41 100
69 0.0 74.0 111.0#
39 0.0 41.5 62.3#



#49
1,4-Dioxane
Concen: 1.284 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.071 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Tgt Ion: 88 Resp: 92
Ion Ratio Lower Upper
88 100
43 1233248.9 23.4 35.0#
58 6113.0 58.1 87.1#





#50

Toluene-d8

Concen: 50.272 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044151.D

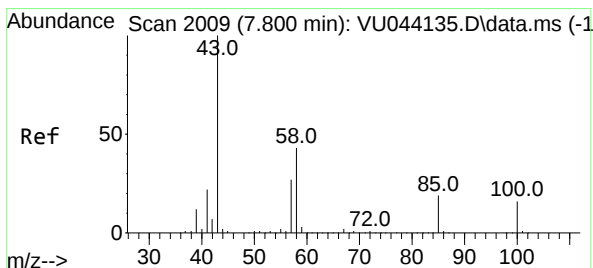
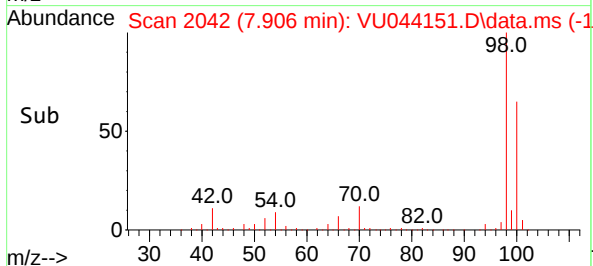
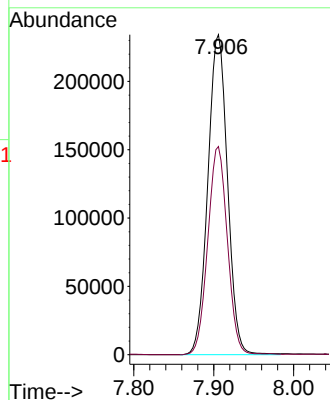
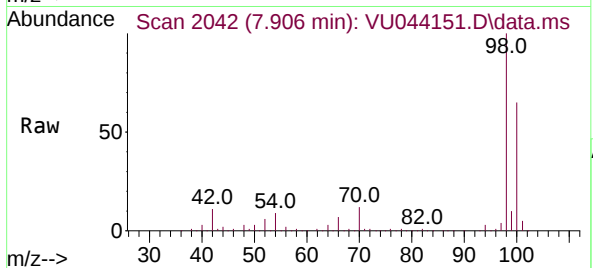
Acq: 10 Jun 2021 13:26

Tgt Ion: 98 Resp: 400057

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.119 ug/l

RT: 7.800 min Scan# 2009

Delta R.T. -0.000 min

Lab File: VU044151.D

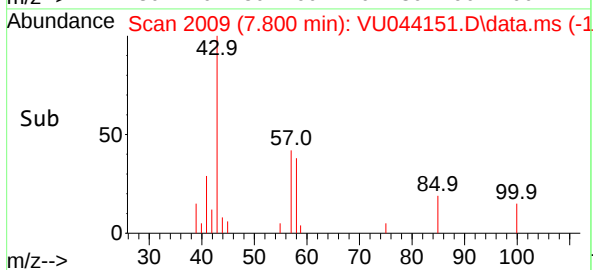
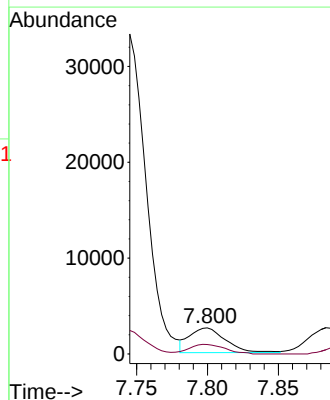
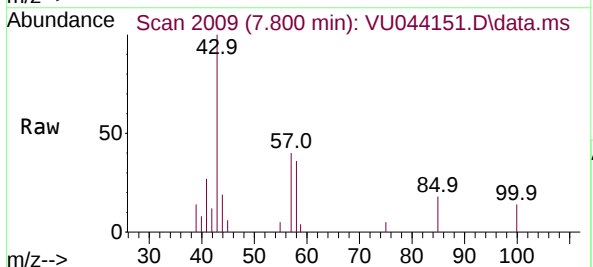
Acq: 10 Jun 2021 13:26

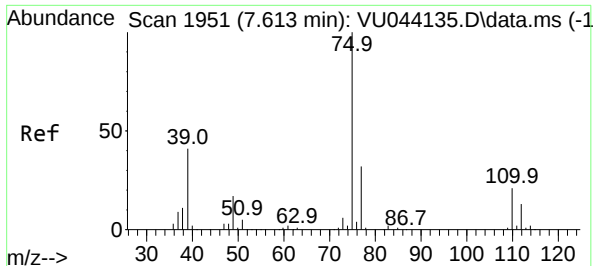
Tgt Ion: 43 Resp: 4561

Ion Ratio Lower Upper

43 100

58 39.0 34.5 51.7



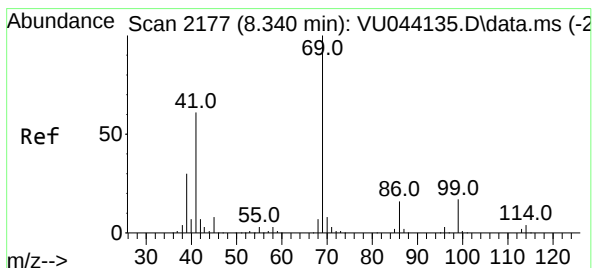
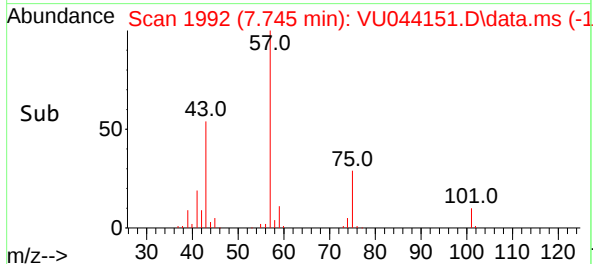
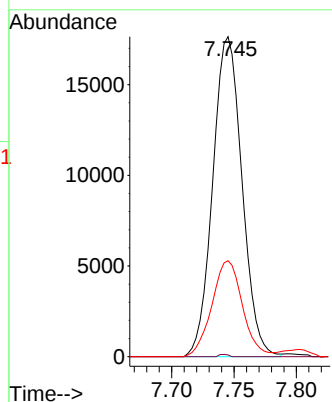
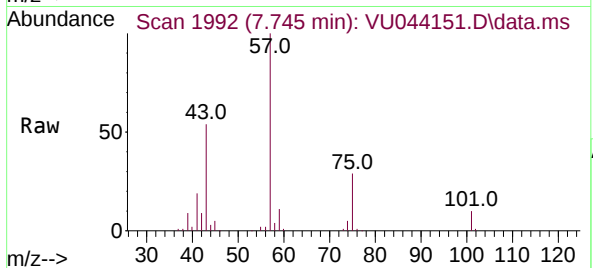


#54

cis-1,3-Dichloropropene
 Concen: 7.220 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044151.D
 Acq: 10 Jun 2021 13:26

Instrument :
 MSVOA_U
 ClientSampleId :

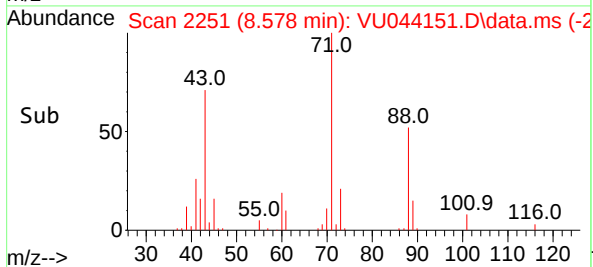
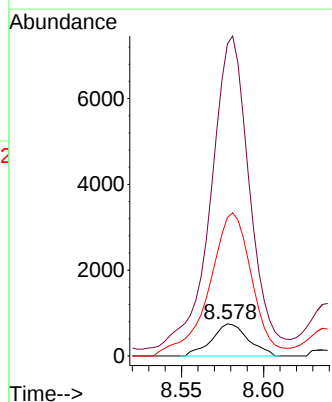
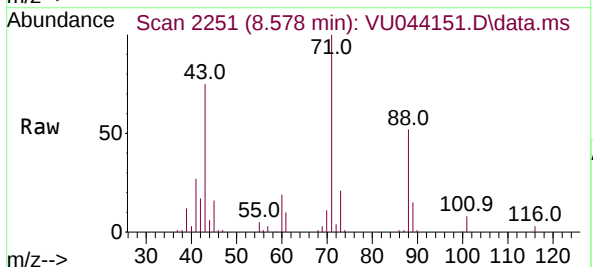
Tgt Ion: 75 Resp: 28837
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.9 38.9#
 39 30.0 33.2 49.8#

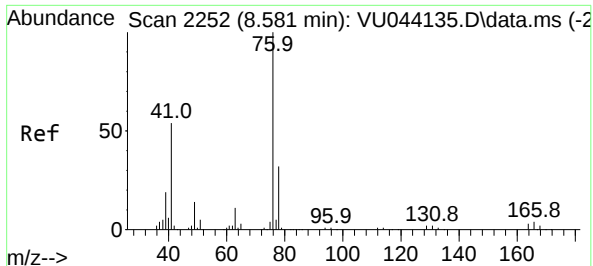


#56

Ethyl methacrylate
 Concen: 0.310 ug/l
 RT: 8.578 min Scan# 2251
 Delta R.T. 0.238 min
 Lab File: VU044151.D
 Acq: 10 Jun 2021 13:26

Tgt Ion: 69 Resp: 1159
 Ion Ratio Lower Upper
 69 100
 41 1020.9 48.4 72.6#
 39 518.5 23.6 35.4#



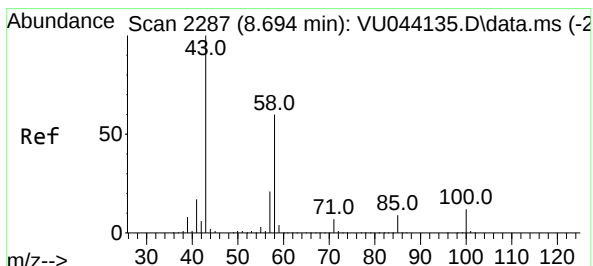
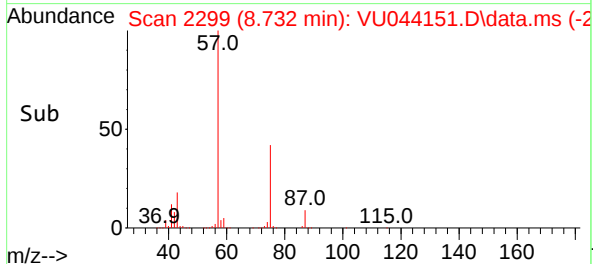
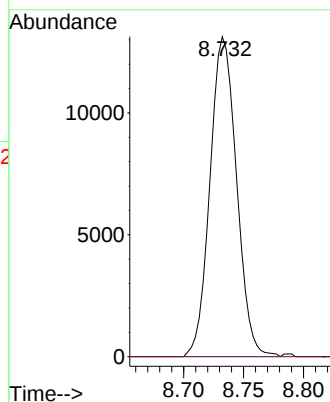
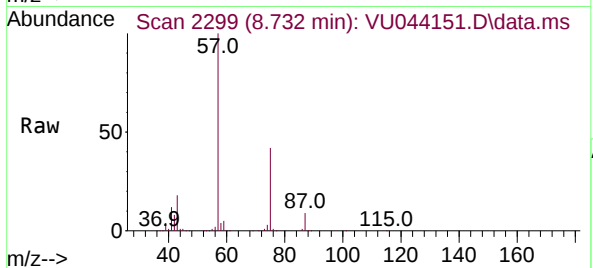


#57

1,3-Dichloropropane
Concen: 4.668 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Instrument :
MSVOA_U
ClientSampled :

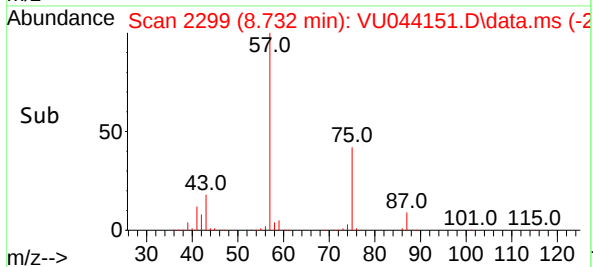
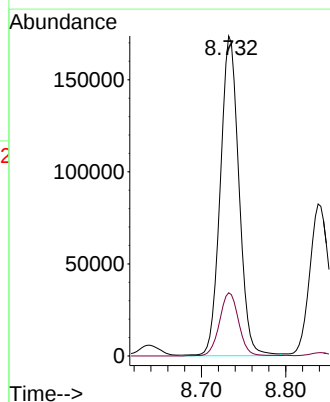
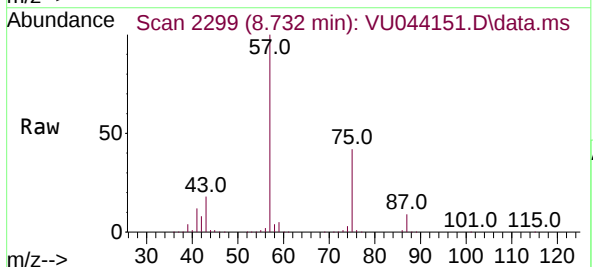
Tgt Ion: 76 Resp: 20248
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

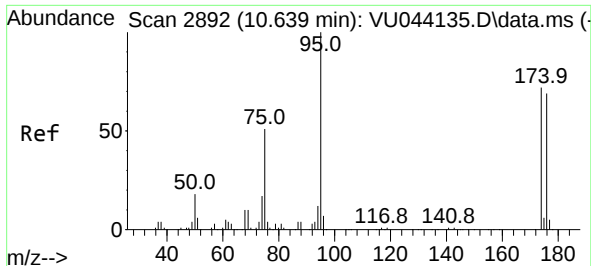


#59

2-Hexanone
Concen: 81.608 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Tgt Ion: 43 Resp: 265413
Ion Ratio Lower Upper
43 100
58 20.6 30.0 90.1#

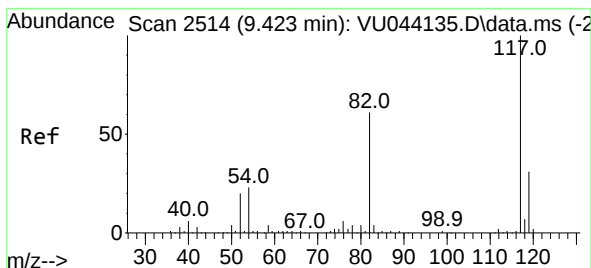
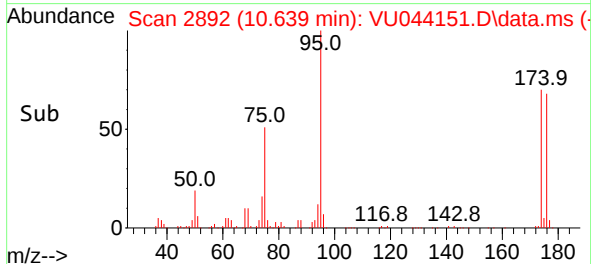
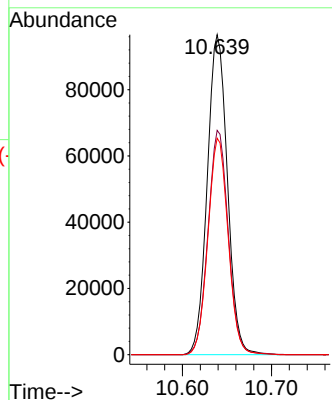
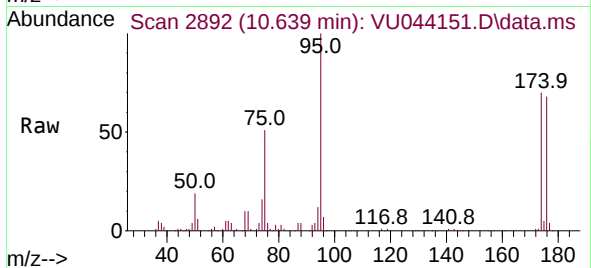




#62
4-Bromofluorobenzene
Concen: 47.525 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

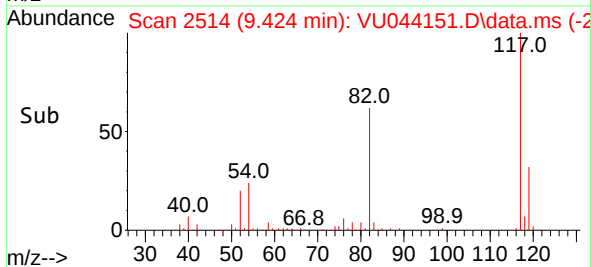
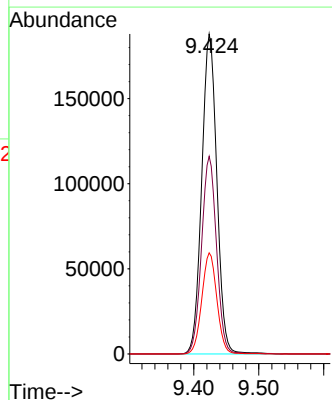
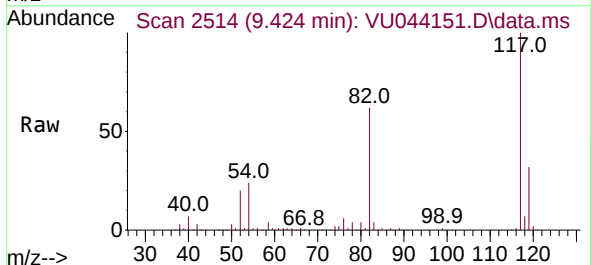
Instrument :
MSVOA_U
ClientSampleId :

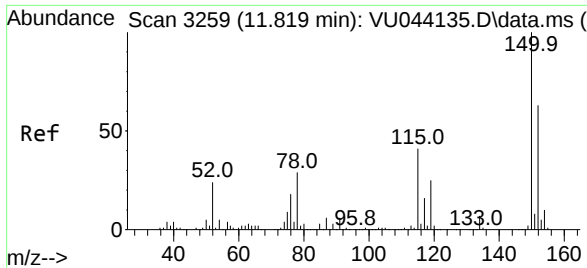
Tgt Ion: 95 Resp: 151562
Ion Ratio Lower Upper
95 100
174 70.7 0.0 144.4
176 67.9 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.424 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Tgt Ion: 117 Resp: 305413
Ion Ratio Lower Upper
117 100
82 61.7 48.8 73.2
119 31.6 25.0 37.6

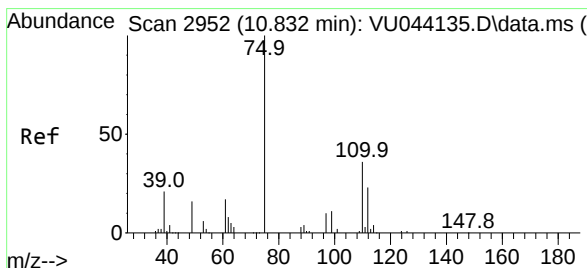
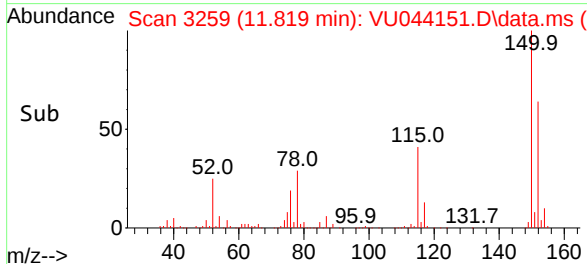
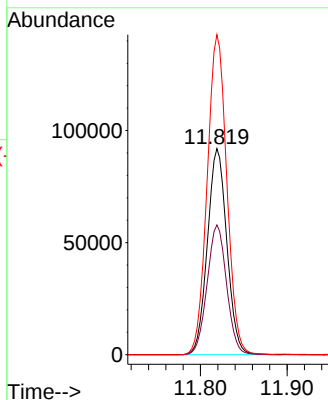
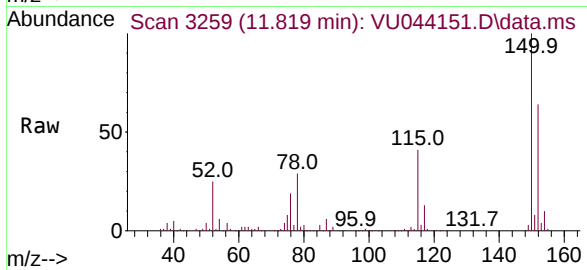




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.000 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

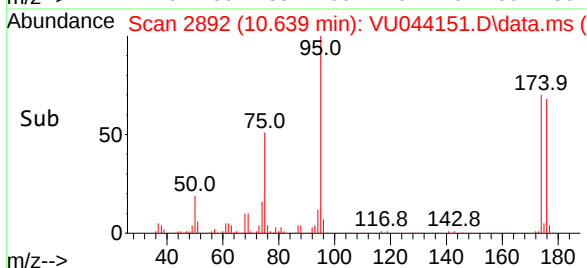
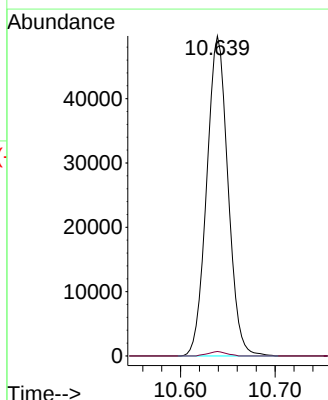
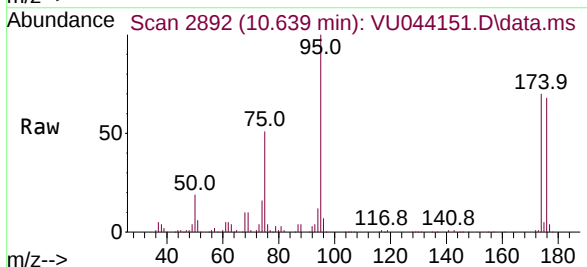
Instrument :
MSVOA_U
ClientSampleId :

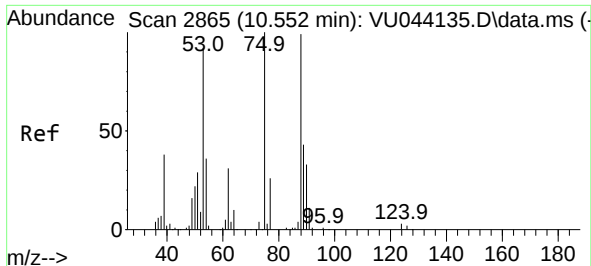
Tgt Ion:152 Resp: 143627
Ion Ratio Lower Upper
152 100
115 63.0 43.8 131.3
150 156.4 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 16.133 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Tgt Ion: 75 Resp: 77690
Ion Ratio Lower Upper
75 100
77 1.2 14.9 44.5#

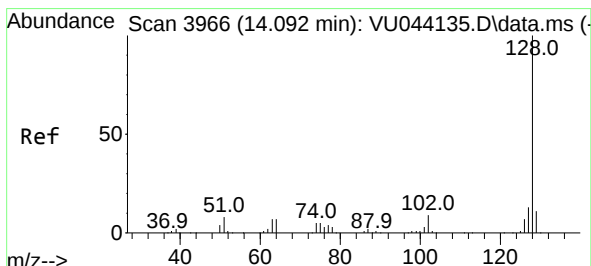
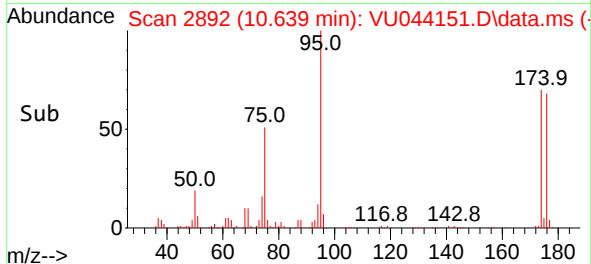
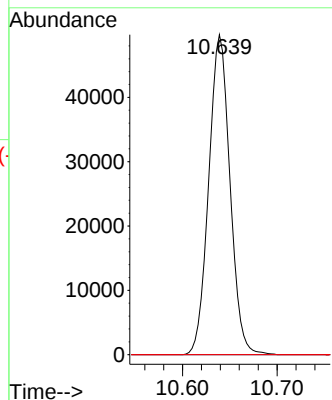
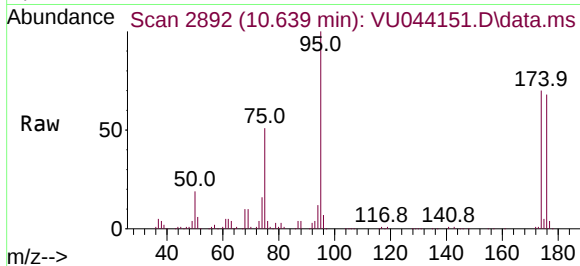




#81
trans-1,4-Dichloro-2-butene
Concen: 58.483 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 77690
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#



#95
Naphthalene
Concen: 2.899 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044151.D
Acq: 10 Jun 2021 13:26

Tgt Ion:128 Resp: 673
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

