

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044147.D
 Acq On : 10 Jun 2021 11:51
 Operator : SY/MD
 Sample : M2626-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:19:08 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)

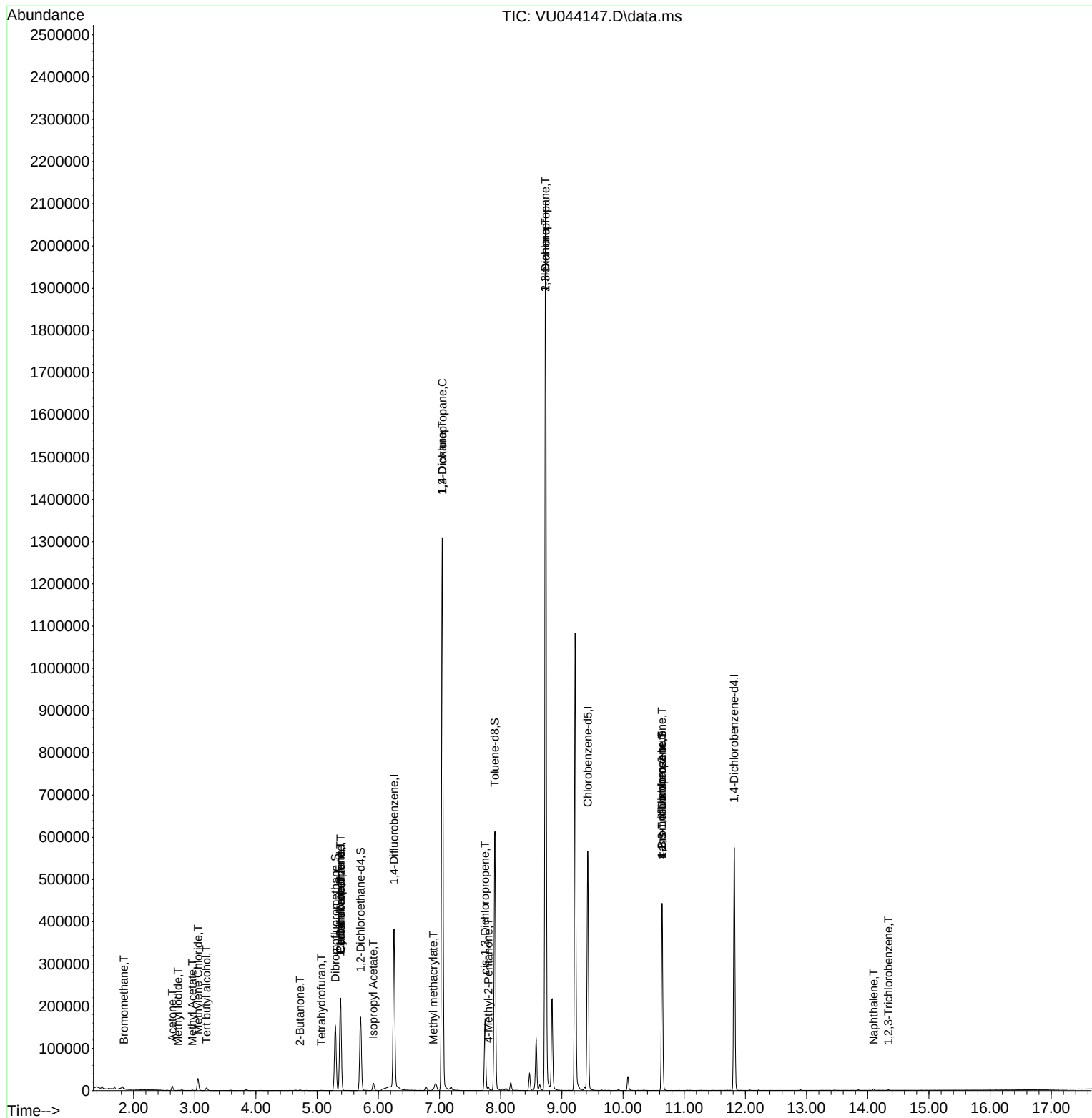
Internal Standards						
1) Pentafluorobenzene	5.382	168	140188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	290391	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	299799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	142985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	127341	57.120	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.240%	
35) Dibromofluoromethane	5.298	113	99160	49.088	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.180%	
50) Toluene-d8	7.906	98	393777	50.758	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.520%	
62) 4-Bromofluorobenzene	10.639	95	153010	49.215	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.440%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	774	Below Cal		95
5) Bromomethane	1.842	94	558	0.573 ug/l		98
6) Chloroethane	1.938	64	198	Below Cal	#	42
10) Methyl Iodide	2.729	142	588	0.295 ug/l	#	77
11) Tert butyl alcohol	3.192	59	4451	7.422 ug/l	#	73
13) Acrolein	2.485	56	183	Below Cal	#	66
16) Acetone	2.633	43	11493	7.911 ug/l		100
18) Methyl Acetate	2.961	43	1528	0.533 ug/l	#	88
20) Methylene Chloride	3.054	84	13847	5.833 ug/l		99
25) 2-Butanone	4.723	43	2278	1.224 ug/l		90
29) Tetrahydrofuran	5.070	42	539	0.533 ug/l	#	50
31) Cyclohexane	5.382	56	3414	1.085 ug/l	#	1
36) 1,1-Dichloropropene	5.379	75	13073	4.046 ug/l	#	50
38) Carbon Tetrachloride	5.382	117	15234	5.223 ug/l	#	16
43) Isopropyl Acetate	5.919	43	18146	3.306 ug/l		98
45) 1,2-Dichloropropane	7.047	63	1651	0.635 ug/l	#	43
48) Methyl methacrylate	6.899	41	6416	2.402 ug/l	#	11
49) 1,4-Dioxane	7.044	88	99	1.417 ug/l	#	1
51) 4-Methyl-2-Pentanone	7.800	43	5544	1.395 ug/l		94
54) cis-1,3-Dichloropropene	7.745	75	30910	7.938 ug/l	#	64
57) 1,3-Dichloropropane	8.732	76	21163	5.005 ug/l	#	42
59) 2-Hexanone	8.732	43	279287	88.086 ug/l	#	48
76) 1,2,3-Trichloropropane	10.639	75	78423	16.359 ug/l	#	47
81) trans-1,4-Dichloro-2-b...	10.639	75	78423	59.300 ug/l	#	13
95) Naphthalene	14.095	128	3096	3.126 ug/l		100
96) 1,2,3-Trichlorobenzene	14.340	180	671	0.231 ug/l		92

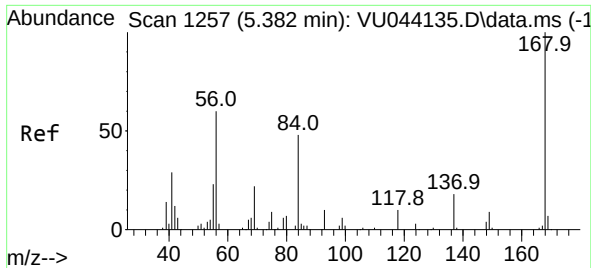
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 11 01:19:08 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

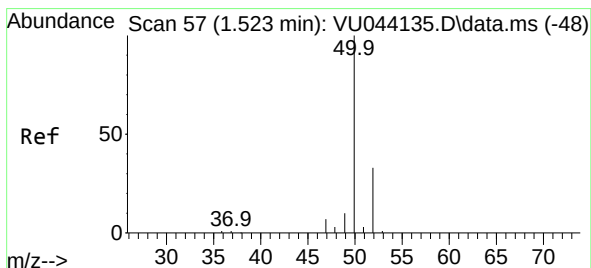
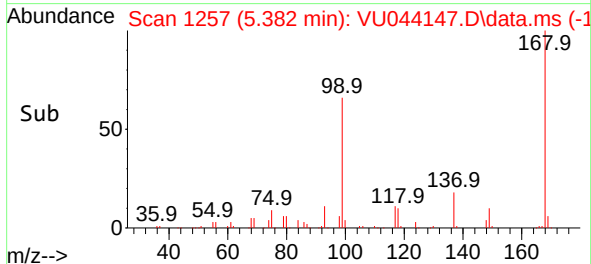
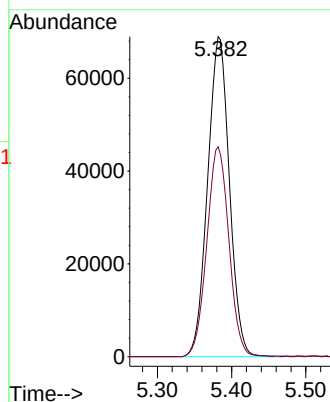
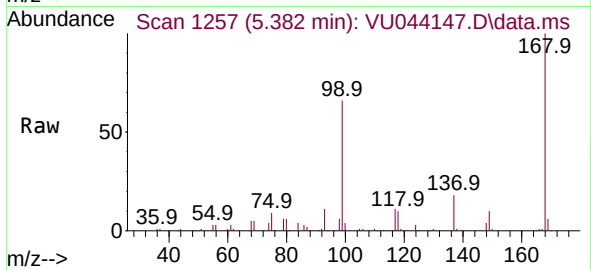




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

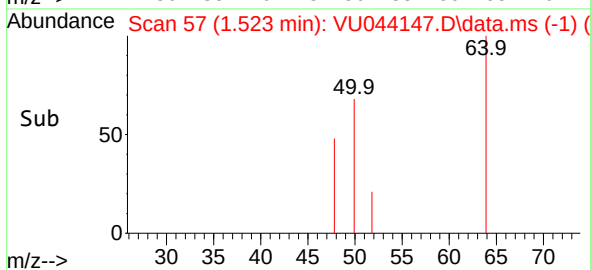
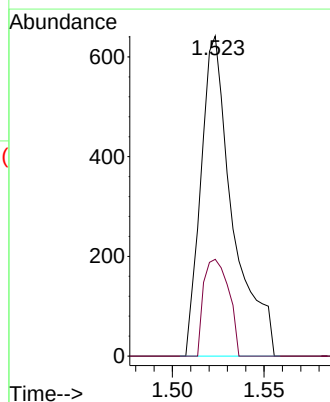
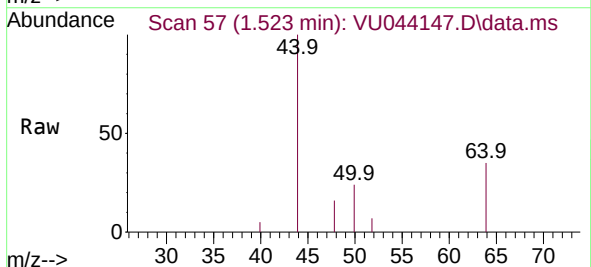
Instrument :
MSVOA_U
ClientSampled :

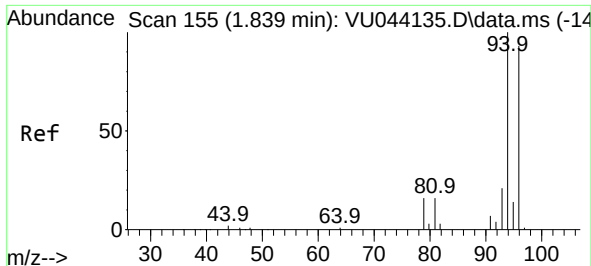
Tgt Ion:168 Resp: 140188
Ion Ratio Lower Upper
168 100
99 65.6 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

Tgt Ion: 50 Resp: 774
Ion Ratio Lower Upper
50 100
52 30.2 26.6 39.8

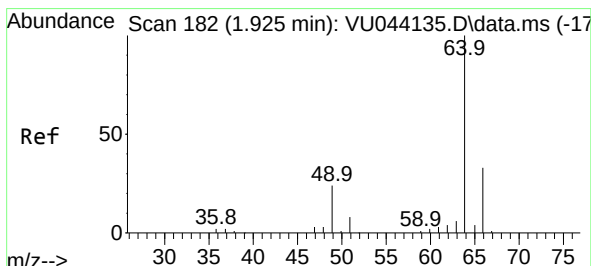
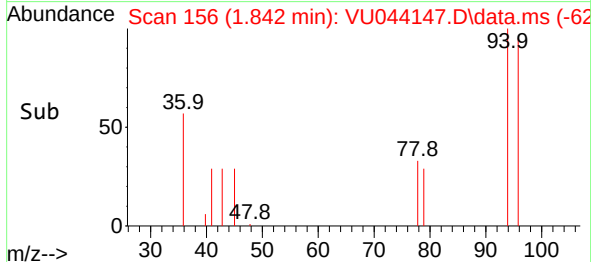
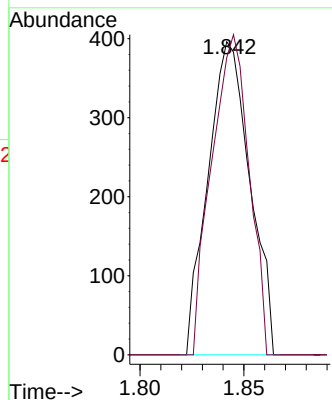
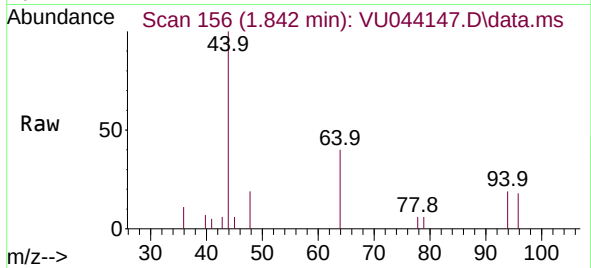




#5
Bromomethane
Concen: 0.573 ug/l
RT: 1.842 min Scan# 156
Delta R.T. 0.003 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

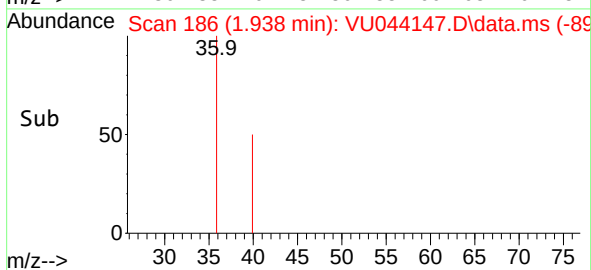
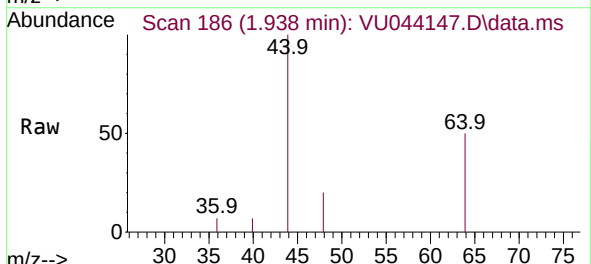
Instrument :
MSVOA_U
ClientSampleId :

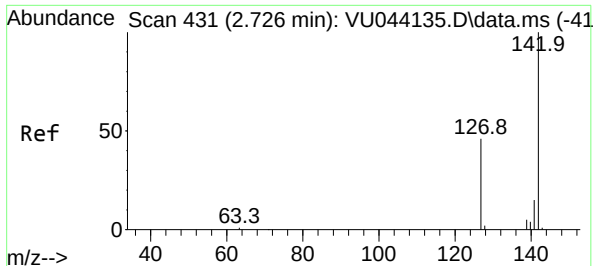
Tgt Ion: 94 Resp: 558
Ion Ratio Lower Upper
94 100
96 94.9 74.1 111.1



#6
Chloroethane
Concen: Below Cal
RT: 1.938 min Scan# 186
Delta R.T. 0.013 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

Tgt Ion: 64 Resp: 198
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#





#10

Methyl Iodide

Concen: 0.295 ug/l

RT: 2.729 min Scan# 432

Delta R.T. 0.003 min

Lab File: VU044147.D

Acq: 10 Jun 2021 11:51

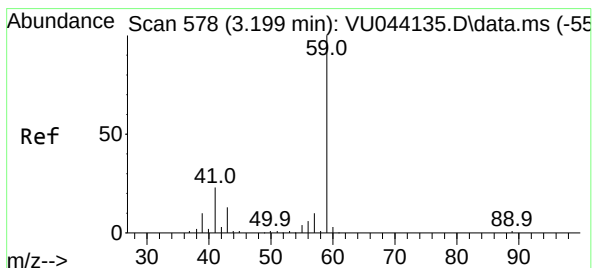
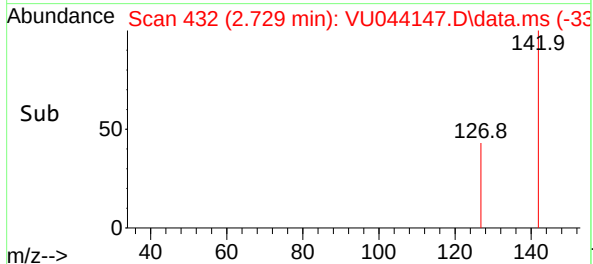
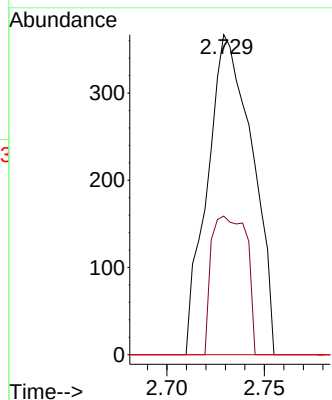
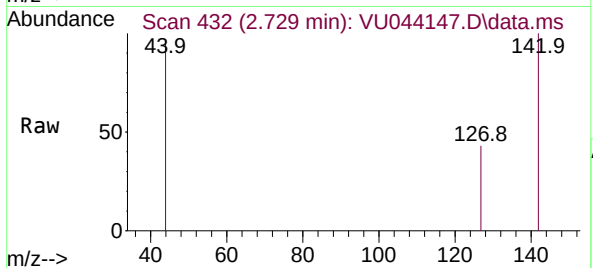
Tgt Ion:142 Resp: 588

Ion Ratio Lower Upper

142 100

127 33.7 37.0 55.6#

141 0.0 11.6 17.4#



#11

Tert butyl alcohol

Concen: 7.422 ug/l

RT: 3.192 min Scan# 576

Delta R.T. -0.007 min

Lab File: VU044147.D

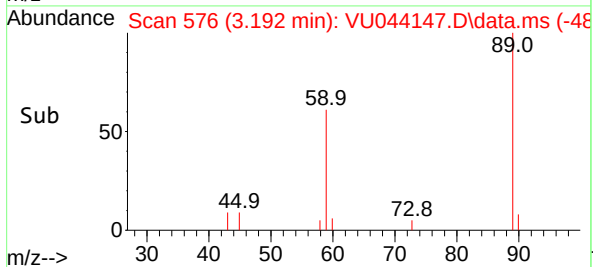
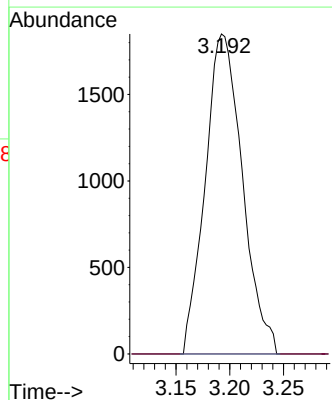
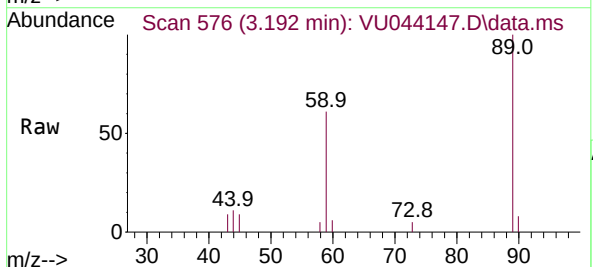
Acq: 10 Jun 2021 11:51

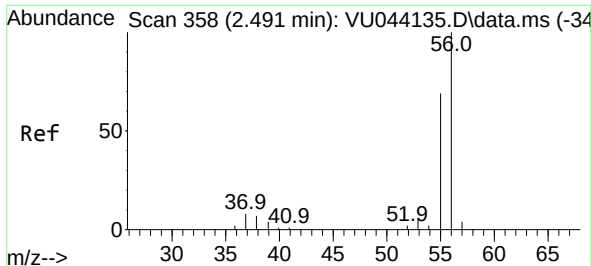
Tgt Ion: 59 Resp: 4451

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#

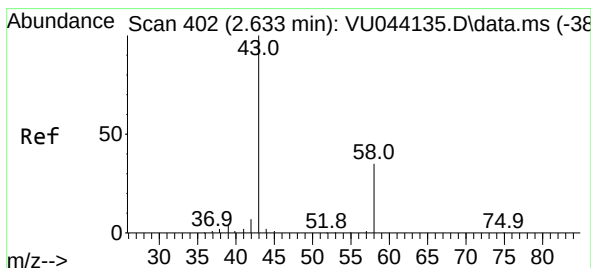
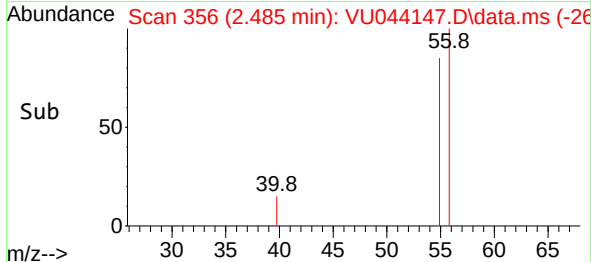
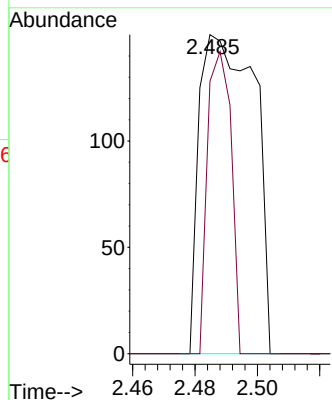
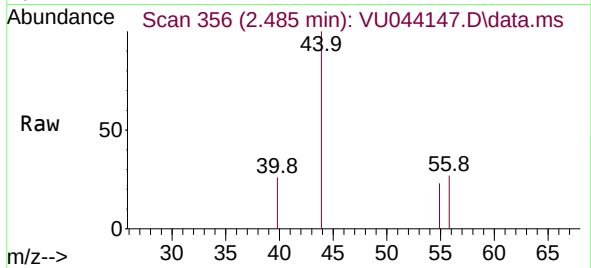




#13
Acrolein
Concen: Below Cal
RT: 2.485 min Scan# 356
Delta R.T. -0.006 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

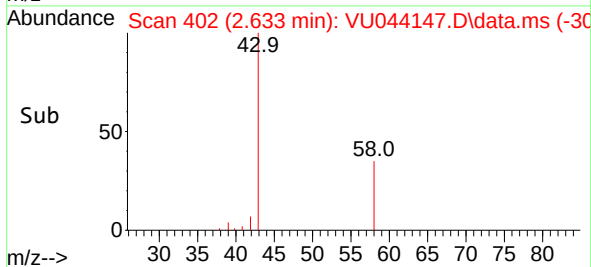
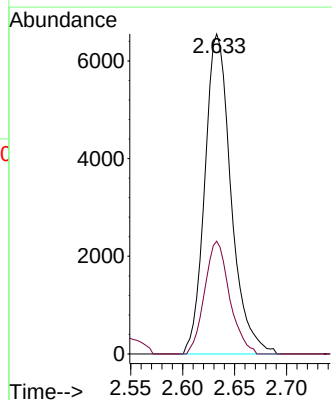
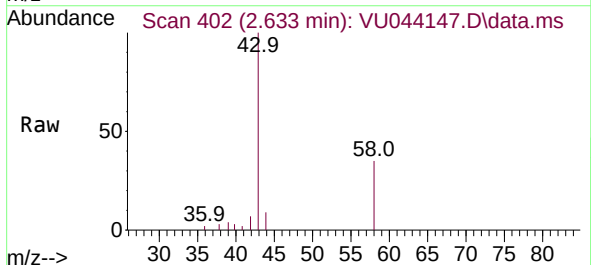
Instrument :
MSVOA_U
ClientSampleId :

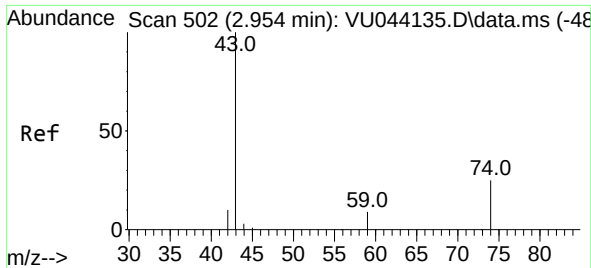
Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 41.0 55.1 82.7#



#16
Acetone
Concen: 7.911 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

Tgt Ion: 43 Resp: 11493
Ion Ratio Lower Upper
43 100
58 35.2 28.0 42.0

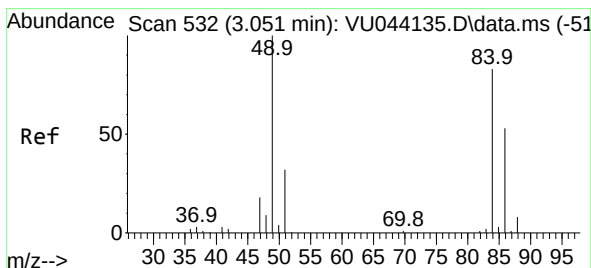
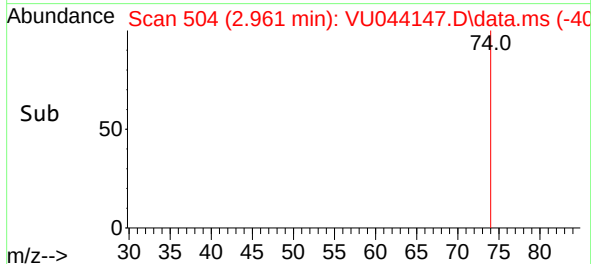
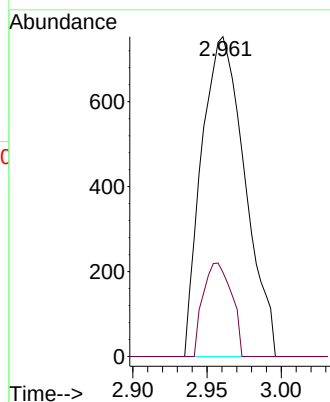
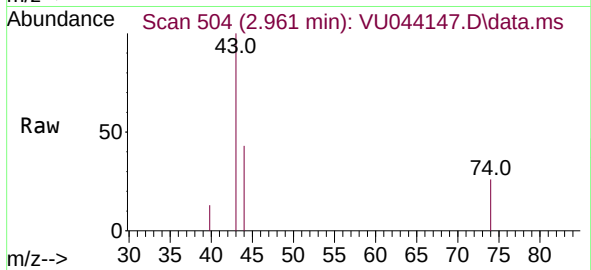




#18
Methyl Acetate
Concen: 0.533 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

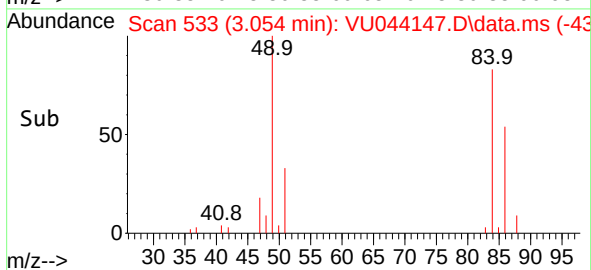
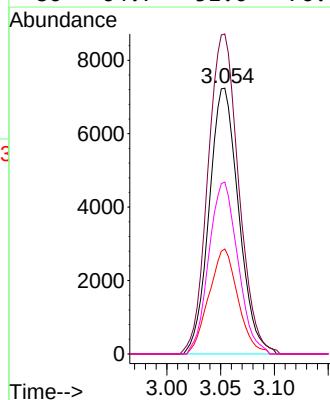
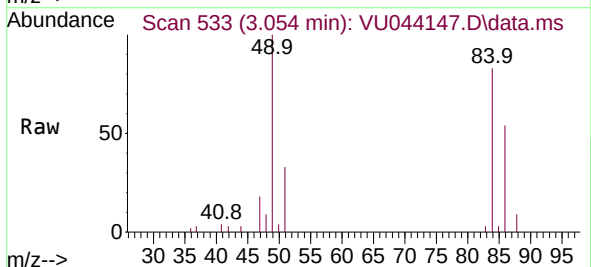
Instrument :
MSVOA_U
ClientSampleId :

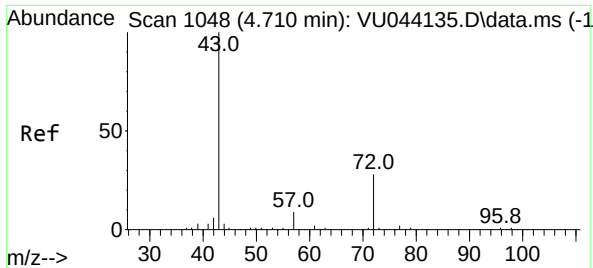
Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
74 19.1 20.3 30.5#



#20
Methylene Chloride
Concen: 5.833 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

Tgt Ion: 84 Resp: 13847
Ion Ratio Lower Upper
84 100
49 120.4 96.9 145.3
51 39.5 31.0 46.6
86 64.7 51.0 76.6

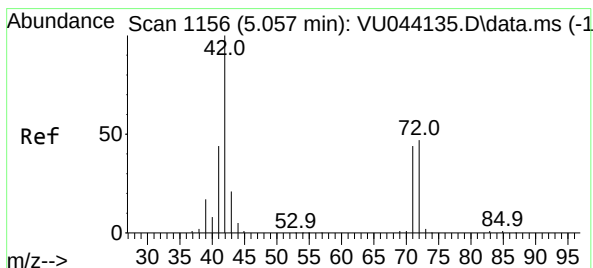
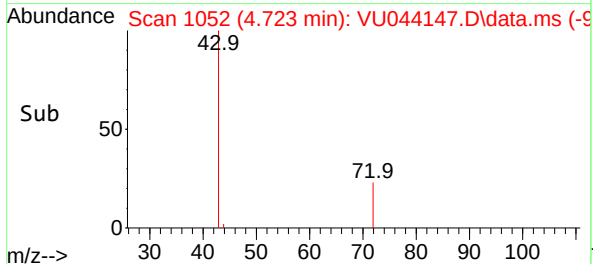
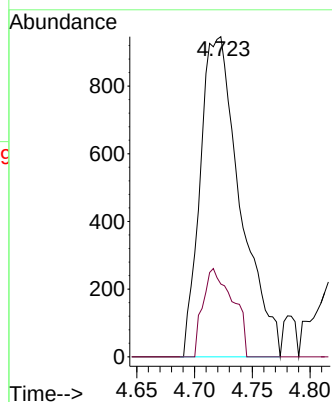
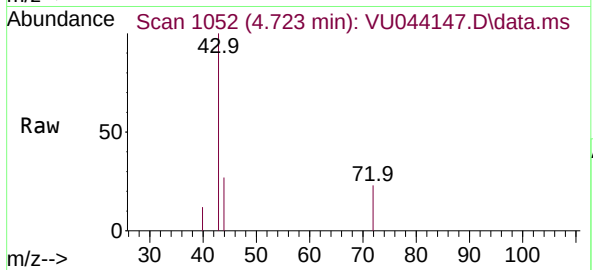




#25
2-Butanone
Concen: 1.224 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

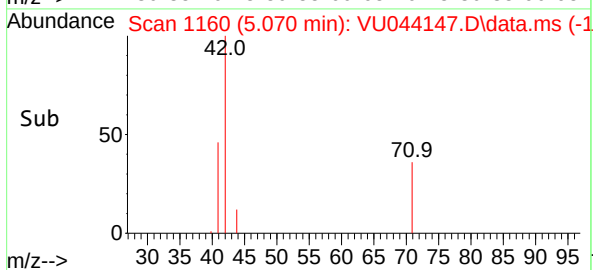
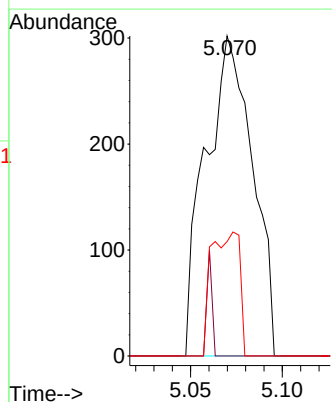
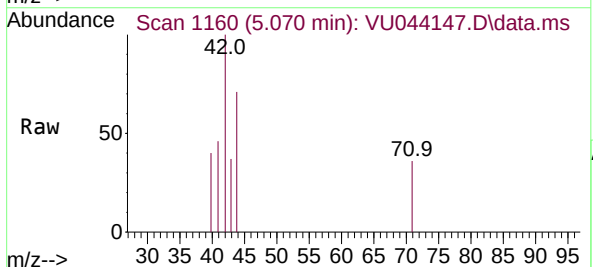
Instrument :
MSVOA_U
ClientSampled :

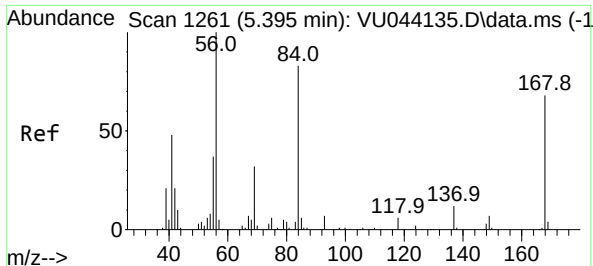
Tgt Ion: 43 Resp: 2278
Ion Ratio Lower Upper
43 100
72 22.7 22.6 33.8



#29
Tetrahydrofuran
Concen: 0.533 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.013 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

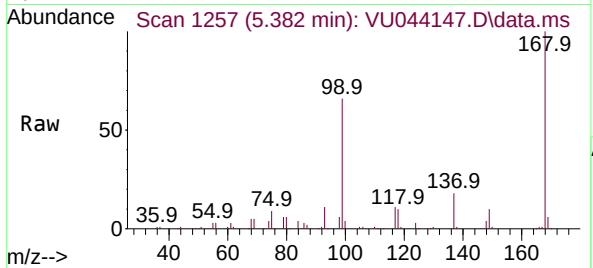
Tgt Ion: 42 Resp: 539
Ion Ratio Lower Upper
42 100
72 3.5 38.6 57.8#
71 23.4 35.5 53.3#



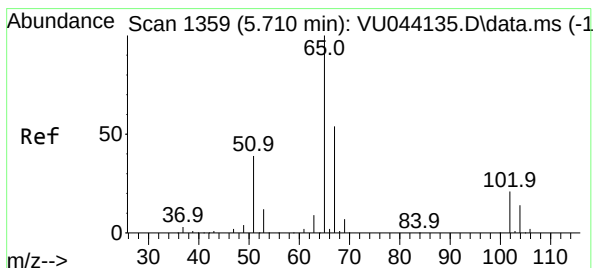
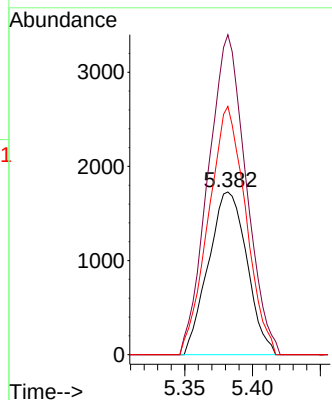
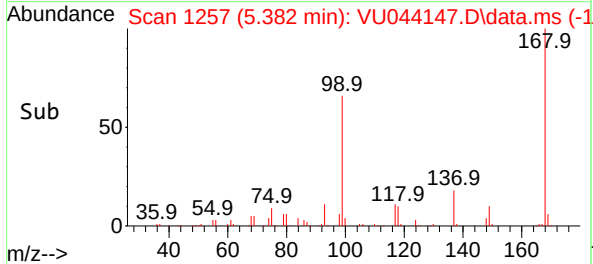


#31
Cyclohexane
Concen: 1.085 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

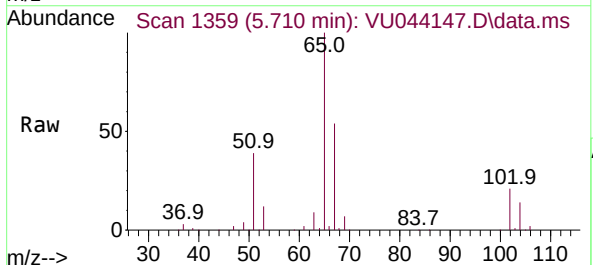
Instrument :
MSVOA_U
ClientSampled :



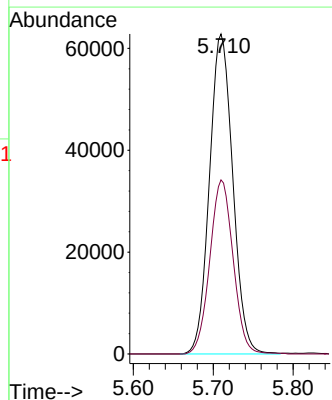
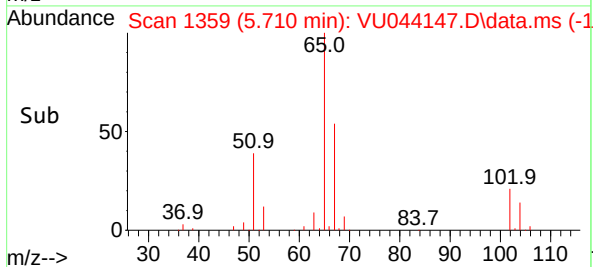
Tgt Ion: 56 Resp: 3414
Ion Ratio Lower Upper
56 100
69 196.7 25.5 38.3#
84 152.7 66.3 99.5#

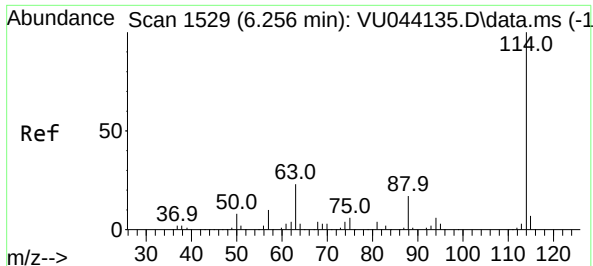


#33
1,2-Dichloroethane-d4
Concen: 57.120 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51



Tgt Ion: 65 Resp: 127341
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.6

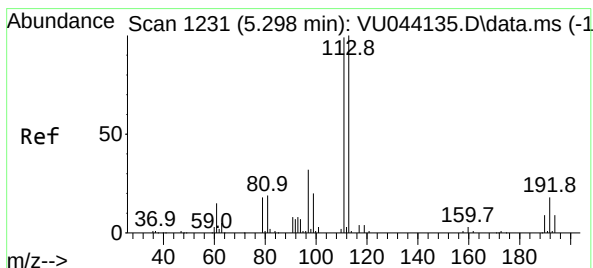
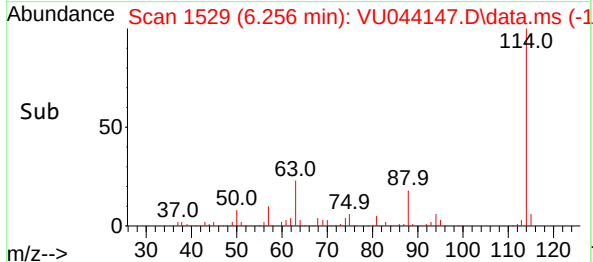
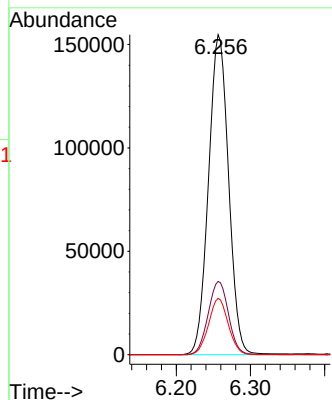
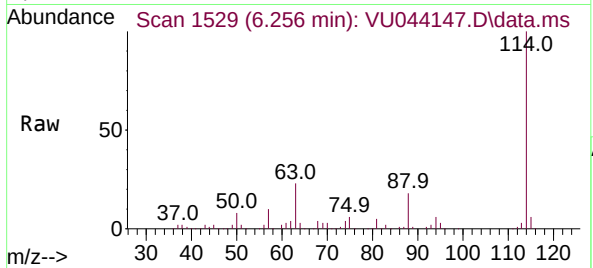




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

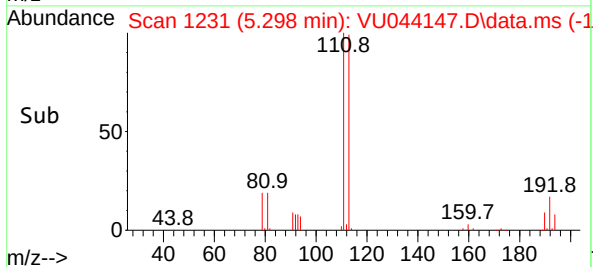
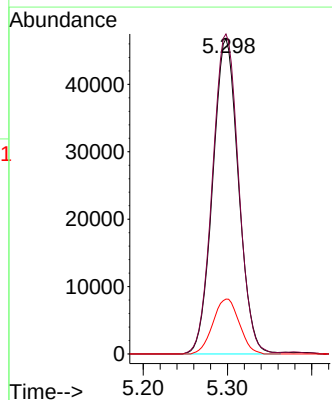
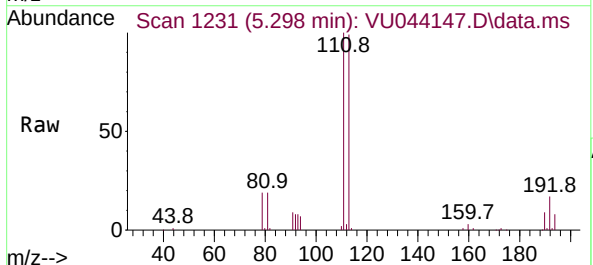
Instrument :
MSVOA_U
ClientSampleId :

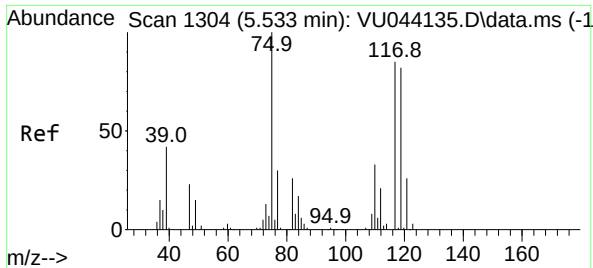
Tgt Ion:114 Resp: 290391
Ion Ratio Lower Upper
114 100
63 22.9 0.0 45.8
88 17.6 0.0 34.0



#35
Dibromofluoromethane
Concen: 49.088 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

Tgt Ion:113 Resp: 99160
Ion Ratio Lower Upper
113 100
111 103.0 81.0 121.4
192 17.8 14.3 21.5

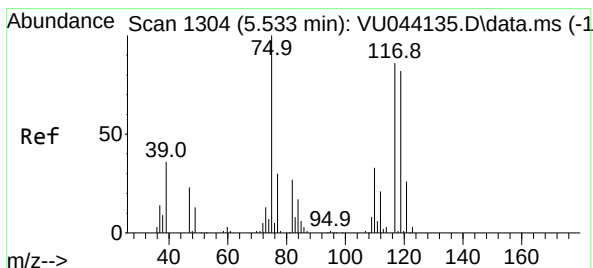
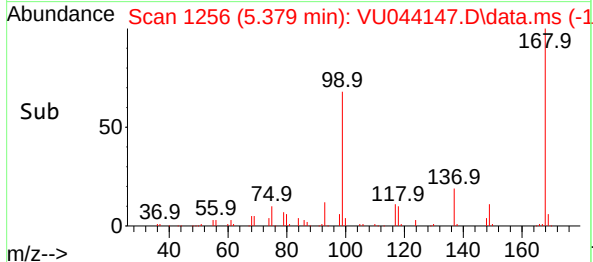
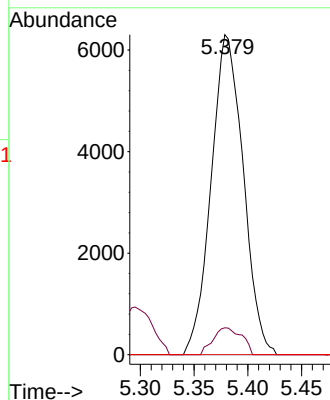
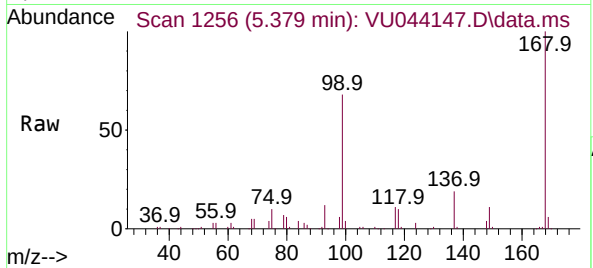




#36
1,1-Dichloropropene
Concen: 4.046 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

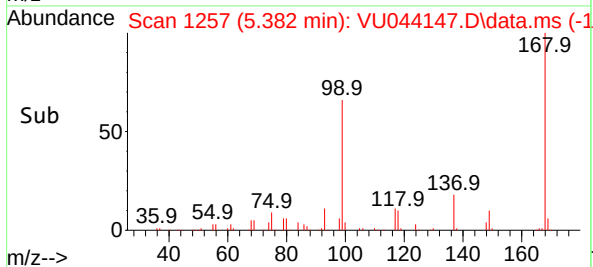
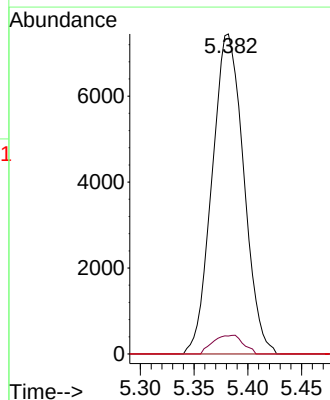
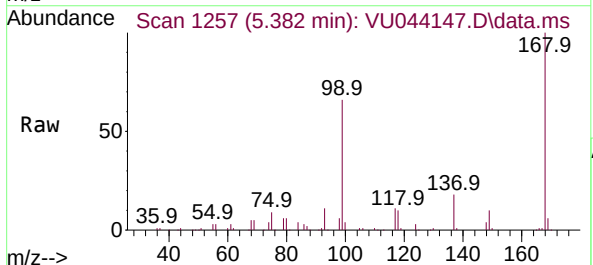
Instrument :
MSVOA_U
ClientSampleId :

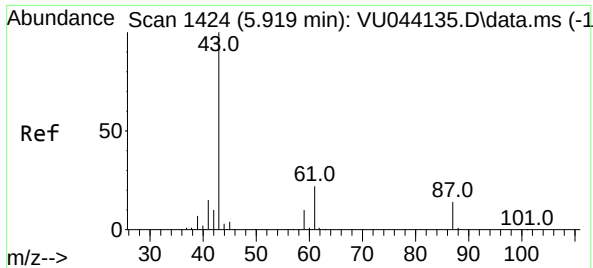
Tgt Ion:	75	Resp:	13073
Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.4	49.4#
77	0.0	24.7	37.1#



#38
Carbon Tetrachloride
Concen: 5.223 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

Tgt Ion:	117	Resp:	15234
Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.6	114.8#
121	0.0	24.6	36.8#

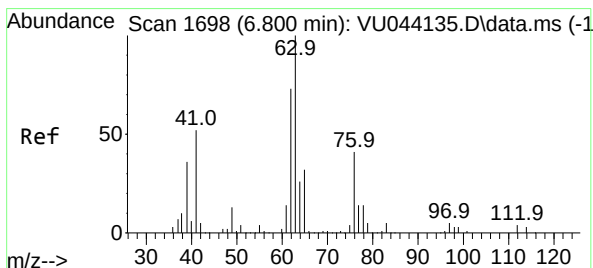
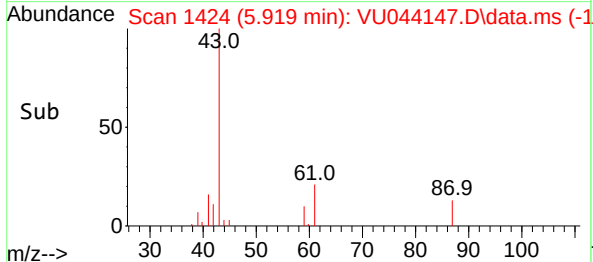
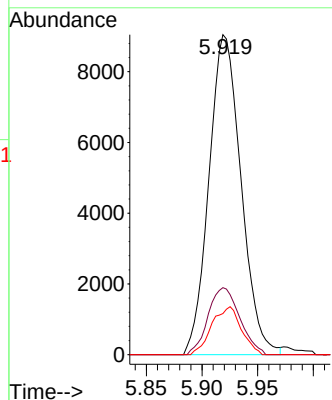
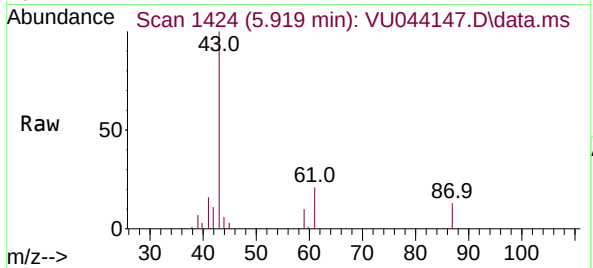




#43
Isopropyl Acetate
Concen: 3.306 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

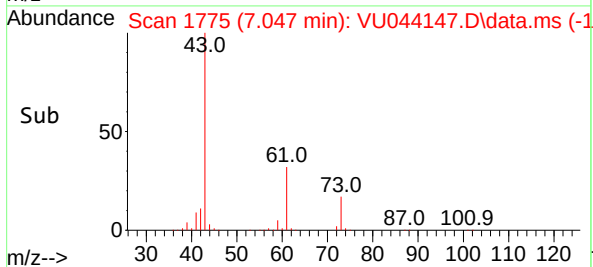
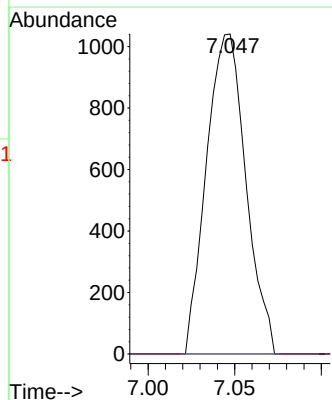
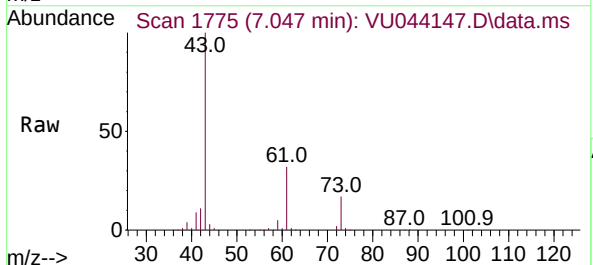
Instrument :
MSVOA_U
ClientSampled :

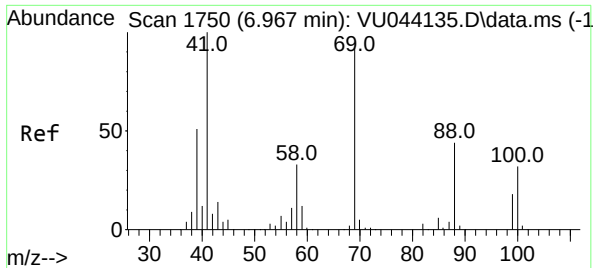
Tgt Ion:	43	Resp:	18146
Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.8	26.8
87	13.8	11.1	16.7



#45
1,2-Dichloropropane
Concen: 0.635 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

Tgt Ion:	63	Resp:	1651
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.7	38.5#

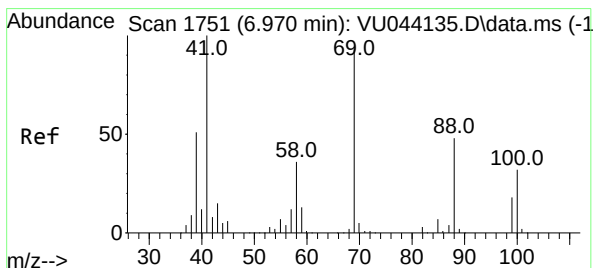
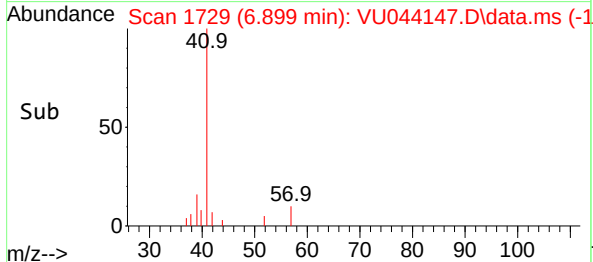
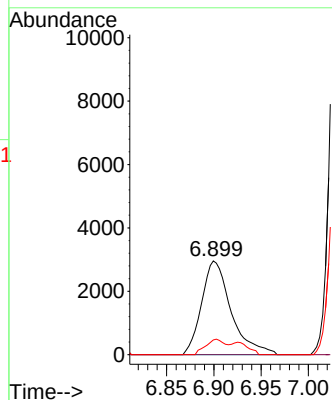
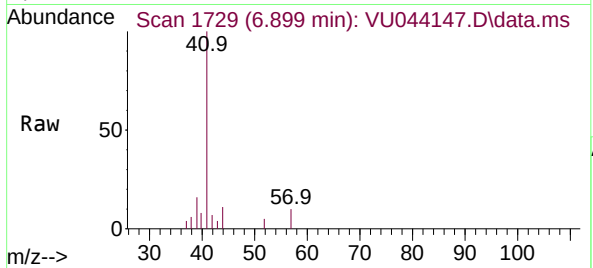




#48
Methyl methacrylate
Concen: 2.402 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

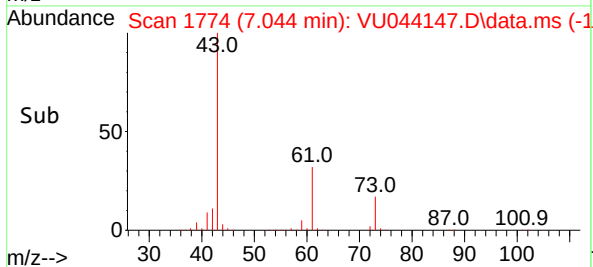
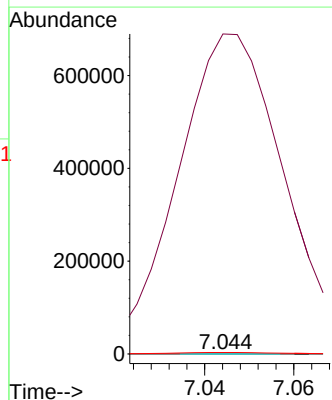
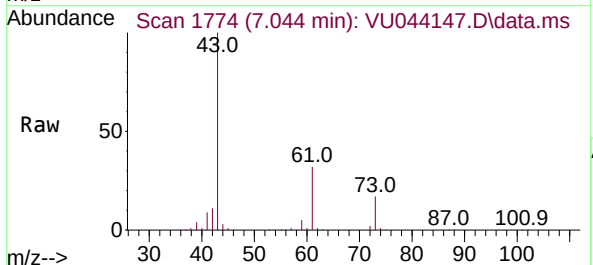
Instrument :
MSVOA_U
ClientSampleId :

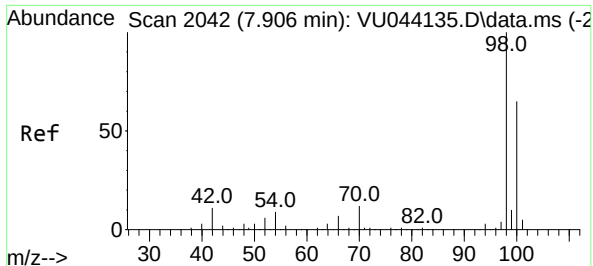
Tgt Ion: 41 Resp: 6416
Ion Ratio Lower Upper
41 100
69 0.0 74.0 111.0#
39 0.0 41.5 62.3#



#49
1,4-Dioxane
Concen: 1.417 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.074 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
43 1190661.6 23.4 35.0#
58 5738.4 58.1 87.1#

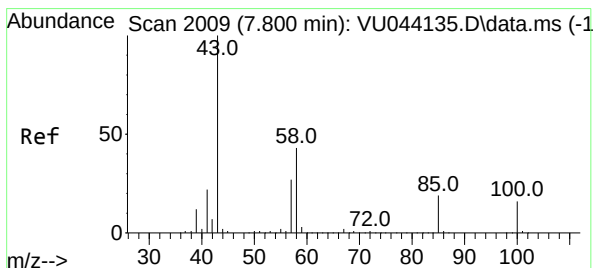
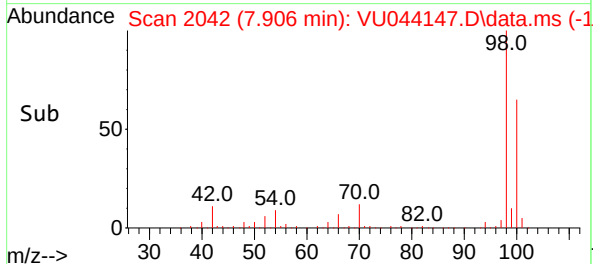
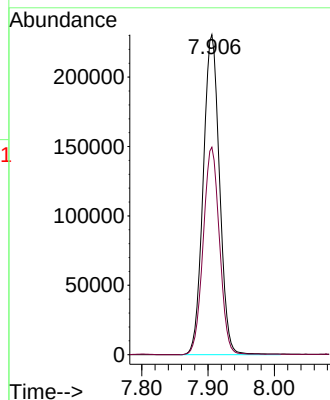
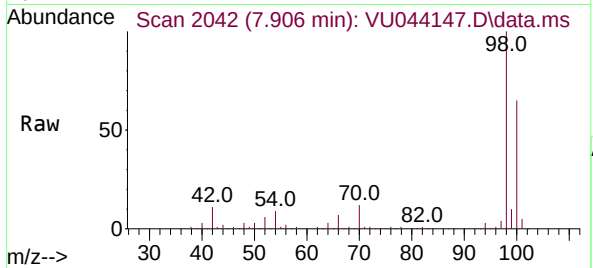




#50
Toluene-d8
Concen: 50.758 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

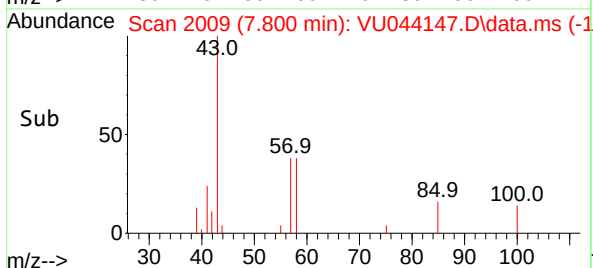
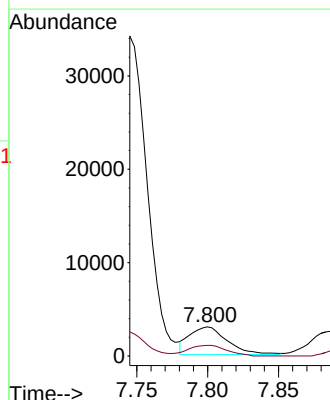
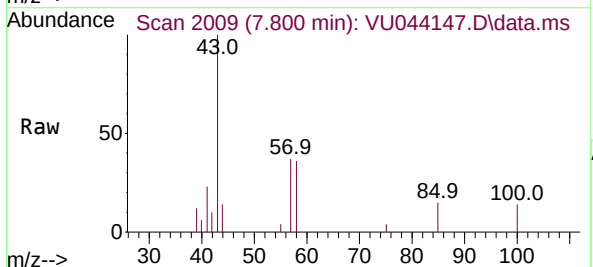
Instrument :
MSVOA_U
ClientSampled :

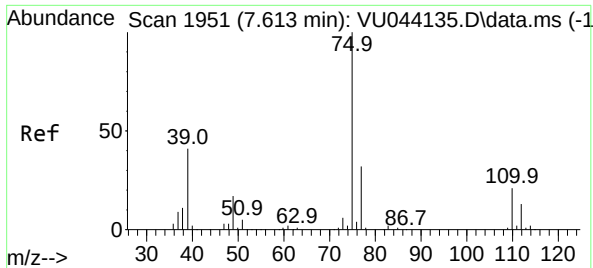
Tgt Ion: 98 Resp: 393777
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.395 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

Tgt Ion: 43 Resp: 5544
Ion Ratio Lower Upper
43 100
58 39.0 34.5 51.7

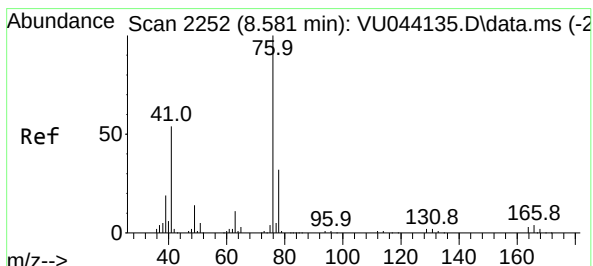
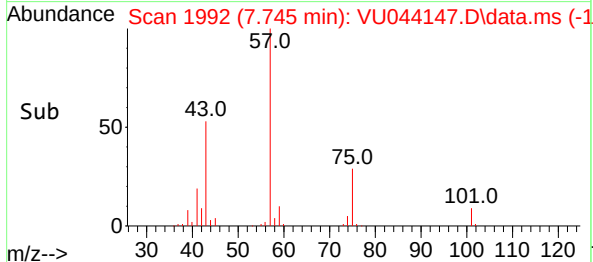
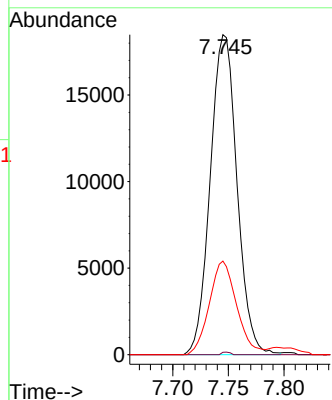
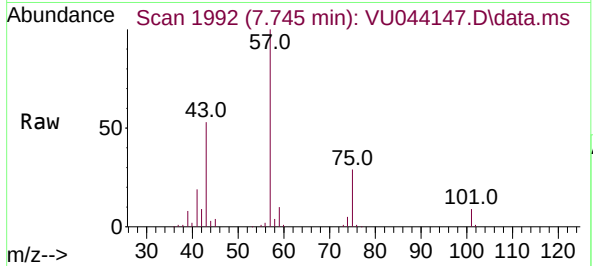




#54
 cis-1,3-Dichloropropene
 Concen: 7.938 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044147.D
 Acq: 10 Jun 2021 11:51

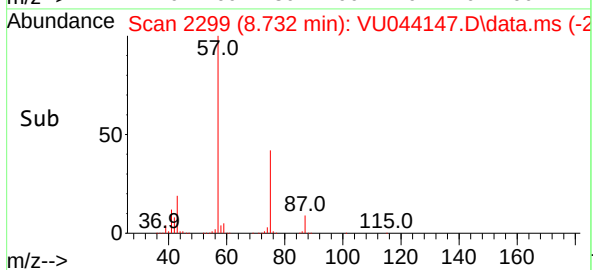
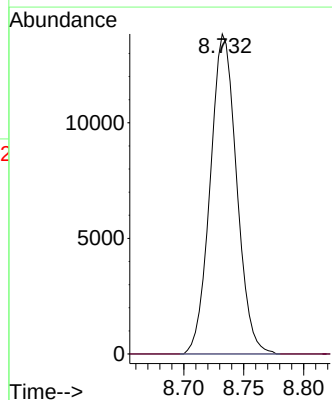
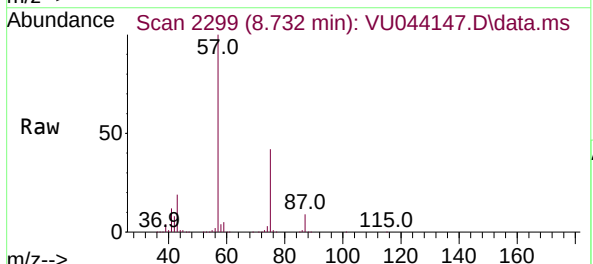
Instrument :
 MSVOA_U
 ClientSampled :

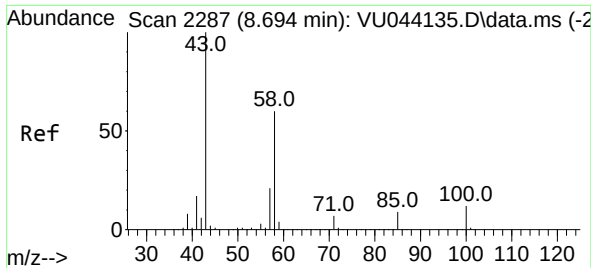
Tgt Ion: 75 Resp: 30910
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.9 38.9#
 39 29.3 33.2 49.8#



#57
 1,3-Dichloropropane
 Concen: 5.005 ug/l
 RT: 8.732 min Scan# 2299
 Delta R.T. 0.151 min
 Lab File: VU044147.D
 Acq: 10 Jun 2021 11:51

Tgt Ion: 76 Resp: 21163
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

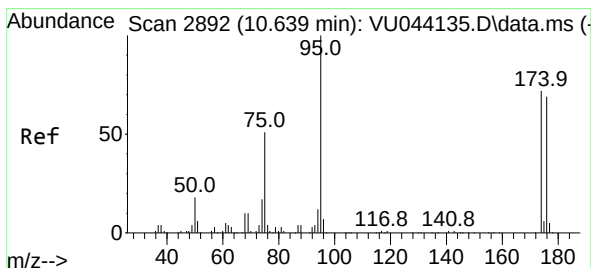
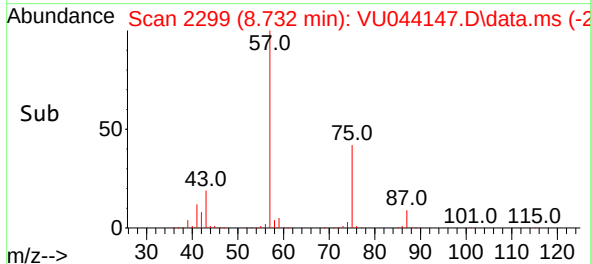
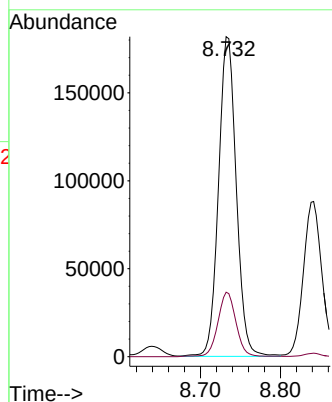
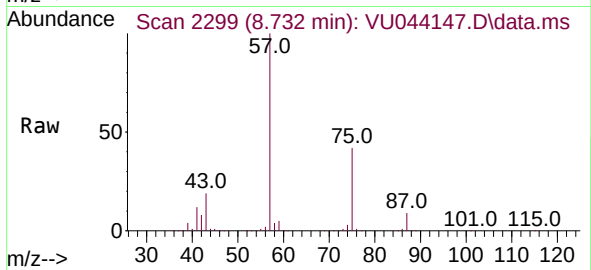




#59
2-Hexanone
Concen: 88.086 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

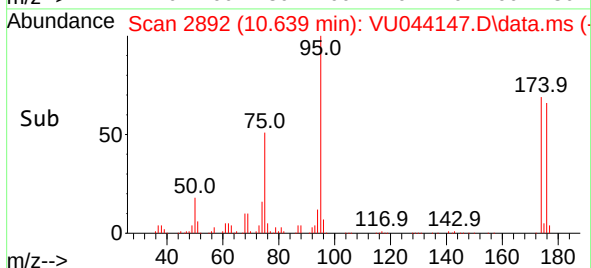
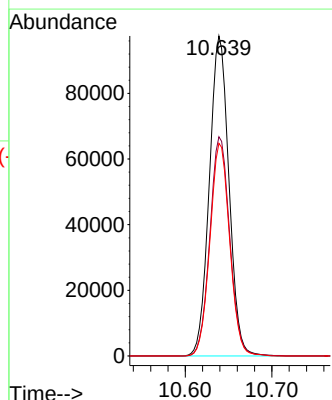
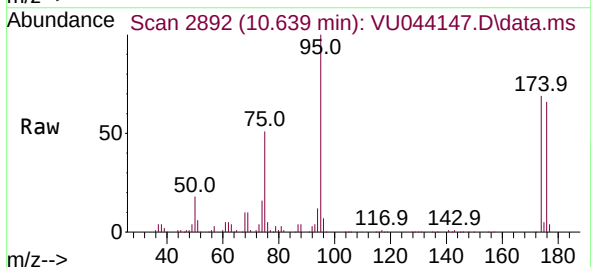
Instrument :
MSVOA_U
ClientSampled :

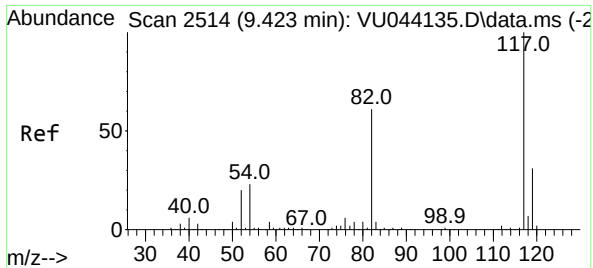
Tgt Ion: 43 Resp: 279287
Ion Ratio Lower Upper
43 100
58 20.6 30.0 90.1#



#62
4-Bromofluorobenzene
Concen: 49.215 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

Tgt Ion: 95 Resp: 153010
Ion Ratio Lower Upper
95 100
174 69.9 0.0 144.4
176 66.8 0.0 138.0

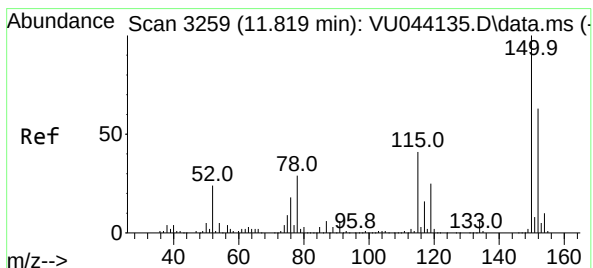
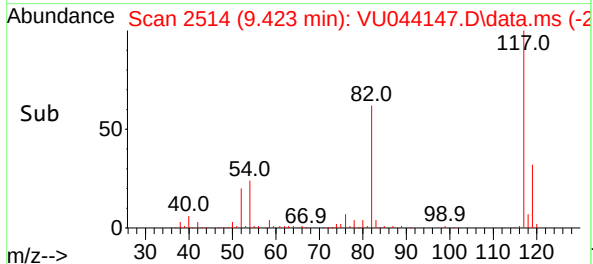
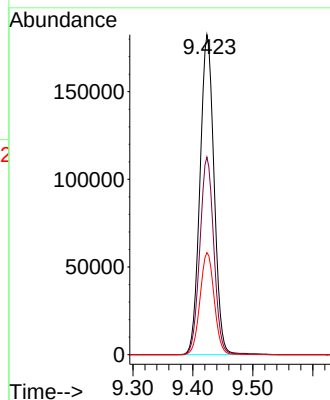
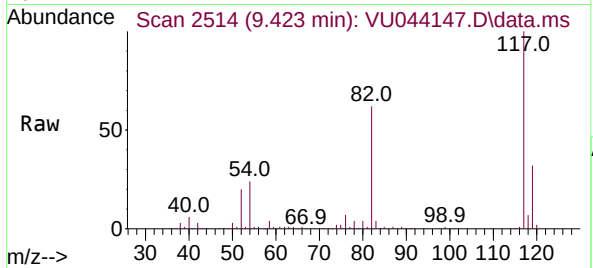




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

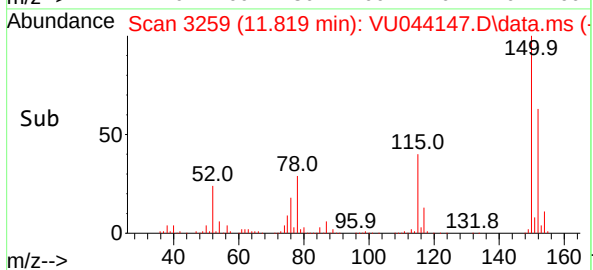
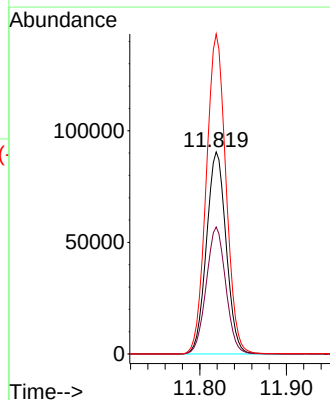
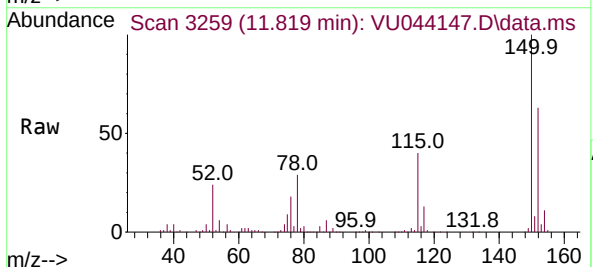
Instrument :
MSVOA_U
ClientSampleId :

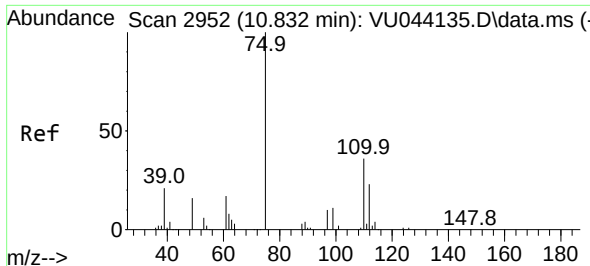
Tgt Ion:117 Resp: 299799
Ion Ratio Lower Upper
117 100
82 61.7 48.8 73.2
119 31.9 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

Tgt Ion:152 Resp: 142985
Ion Ratio Lower Upper
152 100
115 62.4 43.8 131.3
150 157.9 0.0 350.6

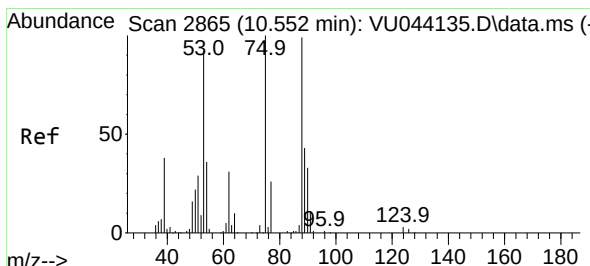
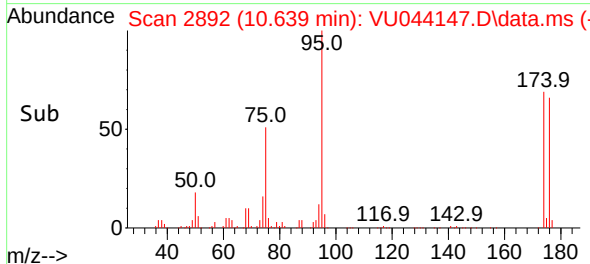
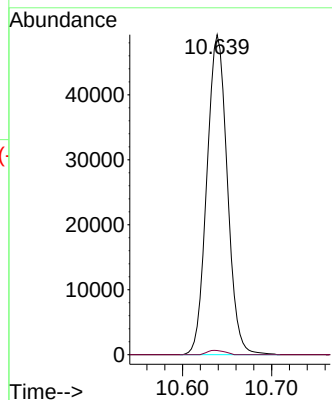
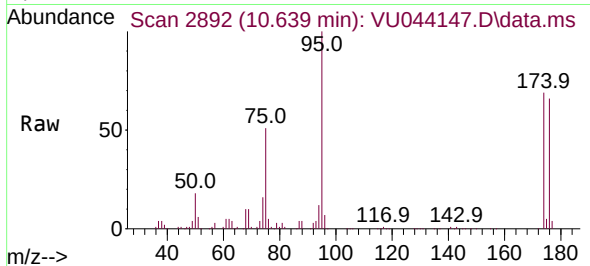




#76
1,2,3-Trichloropropane
Concen: 16.359 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

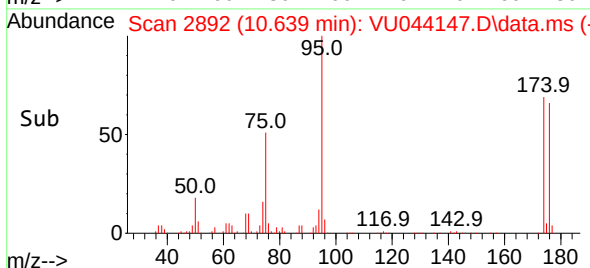
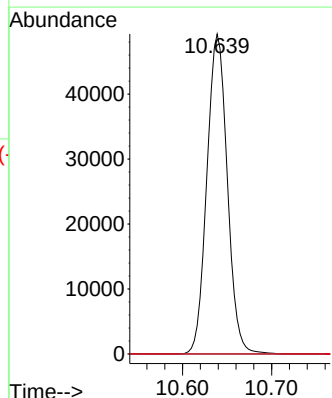
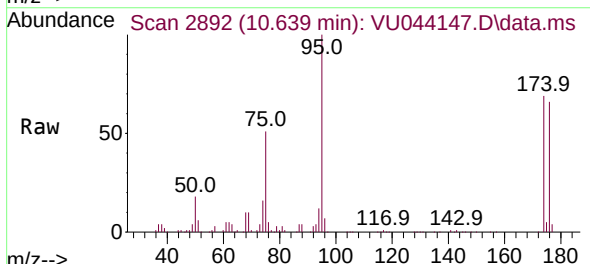
Instrument :
MSVOA_U
ClientSampled :

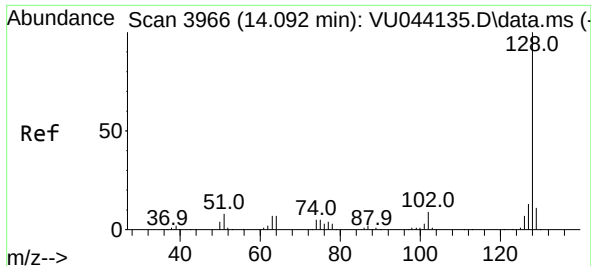
Tgt Ion: 75 Resp: 78423
Ion Ratio Lower Upper
75 100
77 1.2 14.9 44.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.300 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

Tgt Ion: 75 Resp: 78423
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#

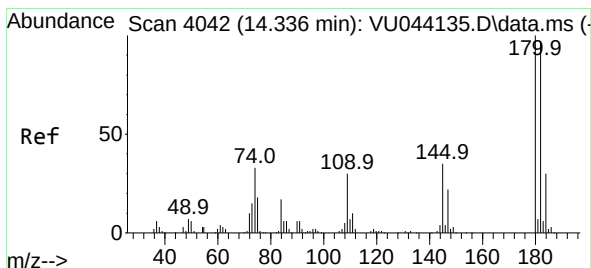
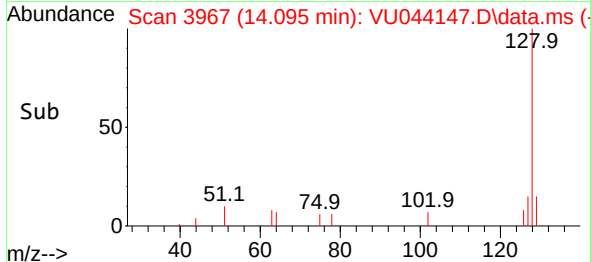
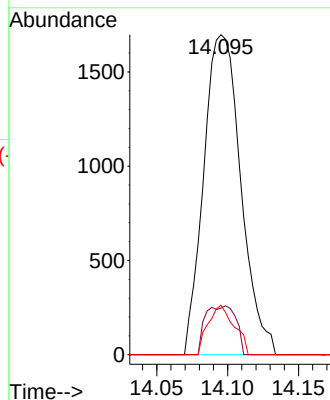
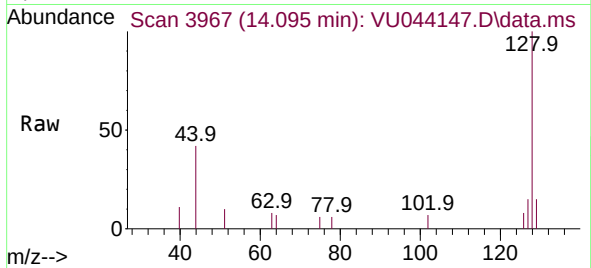




#95
Naphthalene
Concen: 3.126 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 3096
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.231 ug/l
RT: 14.340 min Scan# 4043
Delta R.T. 0.004 min
Lab File: VU044147.D
Acq: 10 Jun 2021 11:51

Tgt Ion:180 Resp: 671
Ion Ratio Lower Upper
180 100
182 89.9 47.9 143.7
145 27.1 17.2 51.6

