

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044155.D
 Acq On : 10 Jun 2021 15:00
 Operator : SY/MD
 Sample : M2637-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:20:25 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)

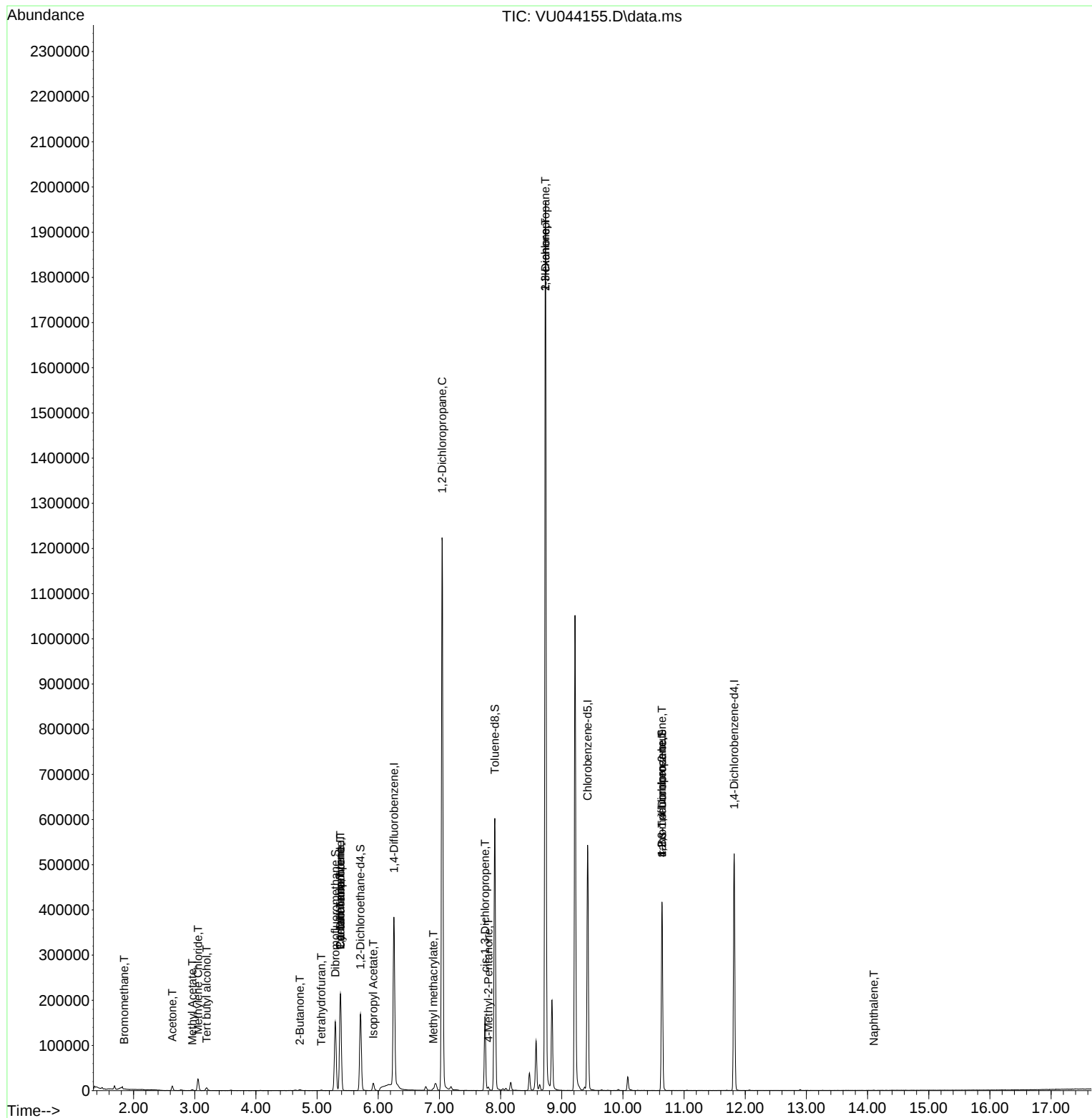
Internal Standards						
1) Pentafluorobenzene	5.382	168	139146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	286135	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	291318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	131944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	123695	55.900	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.800%	
35) Dibromofluoromethane	5.298	113	98154	49.313	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.620%	
50) Toluene-d8	7.906	98	388305	50.797	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.600%	
62) 4-Bromofluorobenzene	10.639	95	140774	45.953	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	582	Below Cal		96
5) Bromomethane	1.848	94	279	0.289 ug/l		99
6) Chloroethane	1.912	64	127	Below Cal	#	42
11) Tert butyl alcohol	3.195	59	4311	7.242 ug/l	#	73
16) Acetone	2.633	43	11347	7.857 ug/l		99
18) Methyl Acetate	2.961	43	2626	0.923 ug/l	#	90
20) Methylene Chloride	3.054	84	12250	5.066 ug/l		98
25) 2-Butanone	4.719	43	3160	1.711 ug/l		91
29) Tetrahydrofuran	5.070	42	701	0.698 ug/l	#	71
31) Cyclohexane	5.382	56	3147	1.008 ug/l	#	1
36) 1,1-Dichloropropene	5.382	75	12828	4.030 ug/l	#	50
38) Carbon Tetrachloride	5.382	117	14859	5.170 ug/l	#	16
43) Isopropyl Acetate	5.919	43	17035	3.150 ug/l		97
45) 1,2-Dichloropropane	7.044	63	1523	0.594 ug/l	#	43
48) Methyl methacrylate	6.899	41	6046	2.297 ug/l	#	11
51) 4-Methyl-2-Pentanone	7.800	43	4150	1.060 ug/l		97
54) cis-1,3-Dichloropropene	7.745	75	29247	7.623 ug/l	#	63
57) 1,3-Dichloropropane	8.732	76	20361	4.887 ug/l	#	43
59) 2-Hexanone	8.732	43	259808	83.161 ug/l	#	48
76) 1,2,3-Trichloropropane	10.639	75	72293	16.342 ug/l	#	47
81) trans-1,4-Dichloro-2-b...	10.639	75	72293	59.239 ug/l	#	13
95) Naphthalene	14.102	128	337	2.870 ug/l	#	69

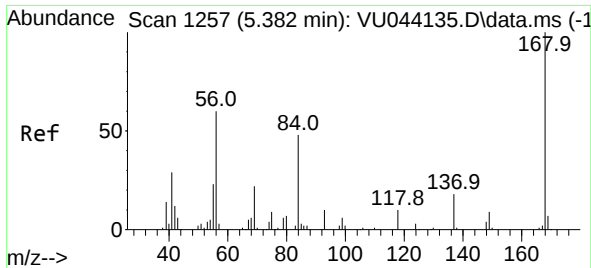
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
Response via : Initial Calibration

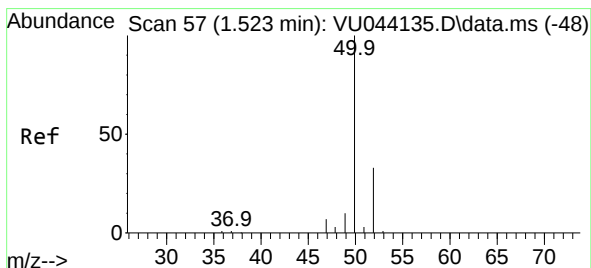
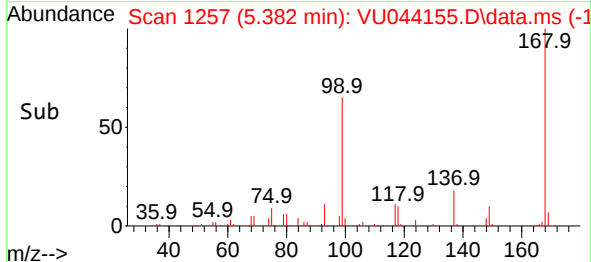
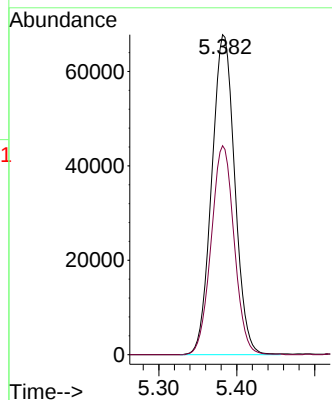
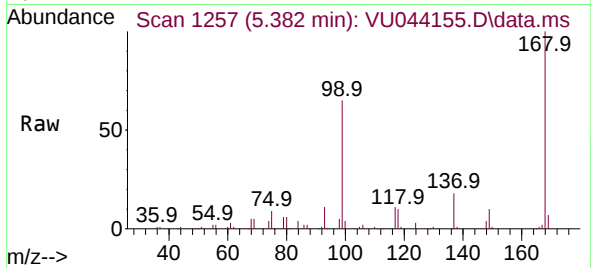




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

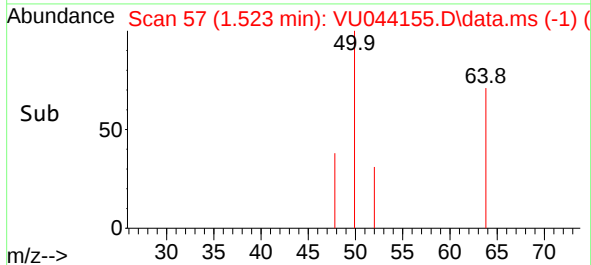
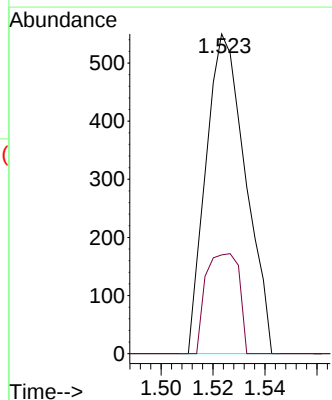
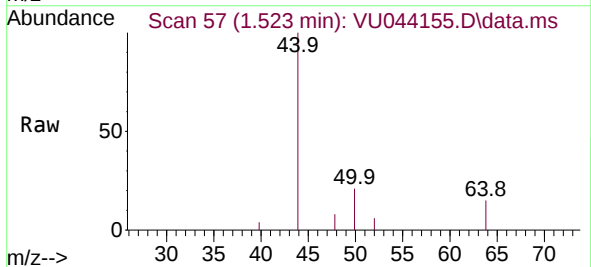
Instrument :
MSVOA_U
ClientSampled :

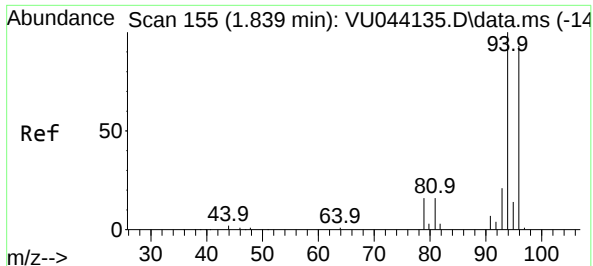
Tgt Ion:168 Resp: 139146
Ion Ratio Lower Upper
168 100
99 65.3 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

Tgt Ion: 50 Resp: 582
Ion Ratio Lower Upper
50 100
52 30.9 26.6 39.8

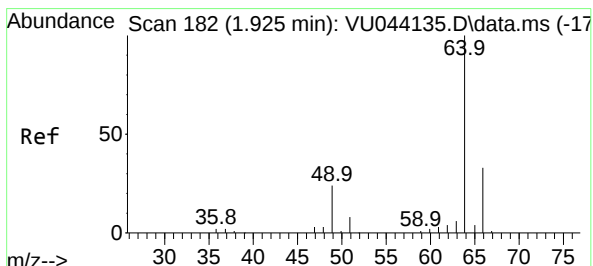
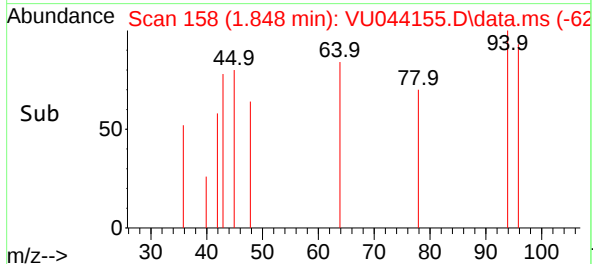
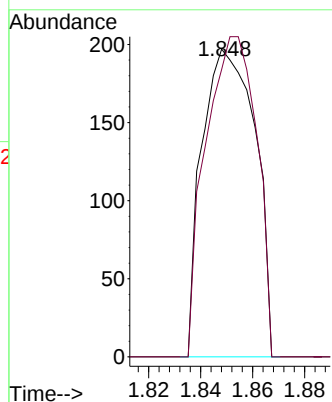
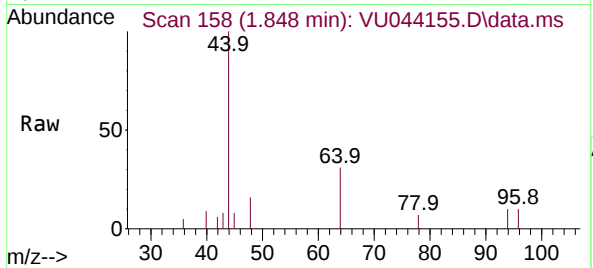




#5
Bromomethane
Concen: 0.289 ug/l
RT: 1.848 min Scan# 158
Delta R.T. 0.009 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

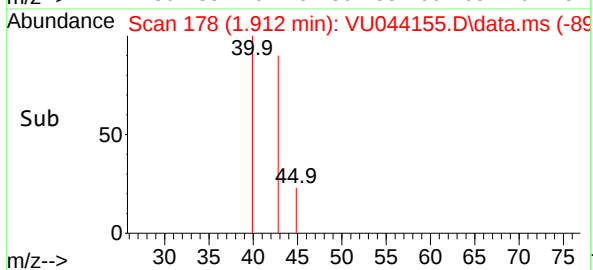
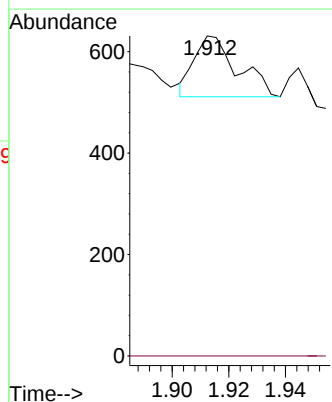
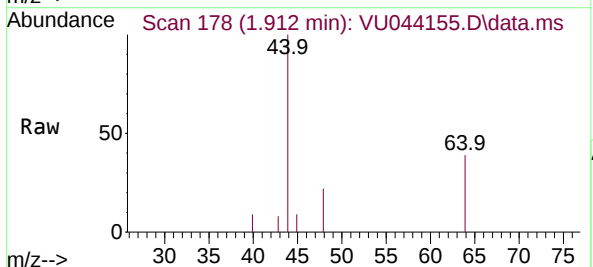
Instrument :
MSVOA_U
ClientSampled :

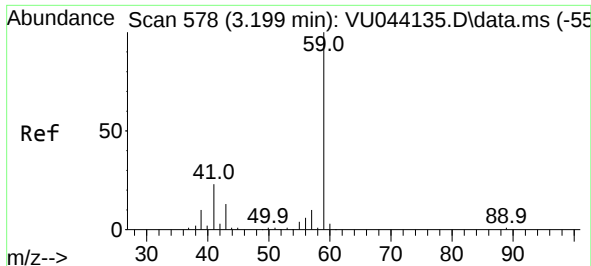
Tgt Ion: 94 Resp: 279
Ion Ratio Lower Upper
94 100
96 93.4 74.1 111.1



#6
Chloroethane
Concen: Below Cal
RT: 1.912 min Scan# 178
Delta R.T. -0.013 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

Tgt Ion: 64 Resp: 127
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#

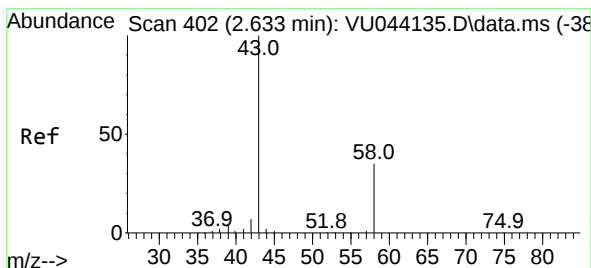
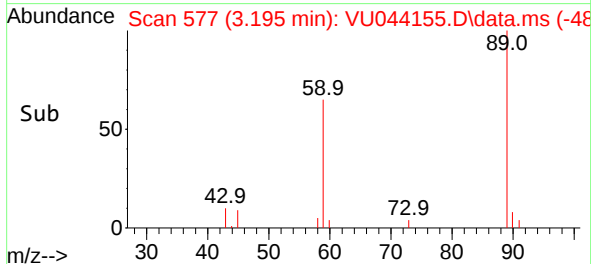
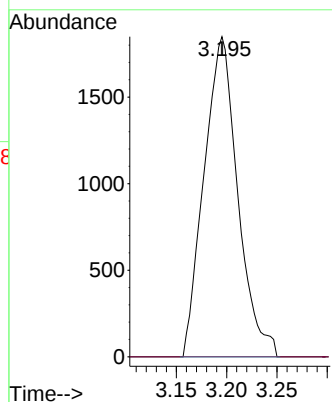
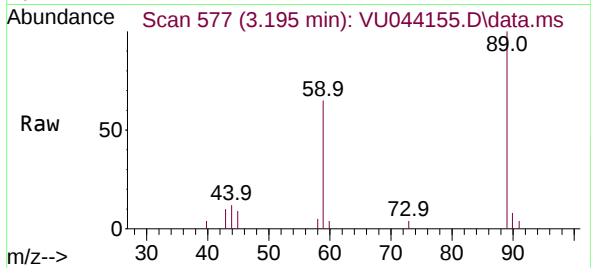




#11
Tert butyl alcohol
Concen: 7.242 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.004 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

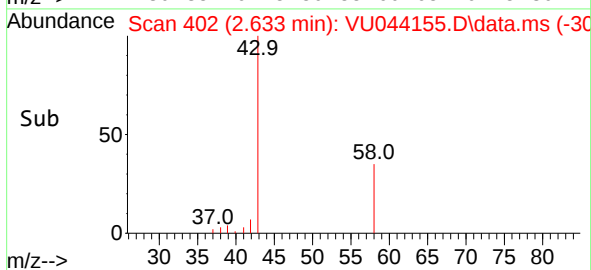
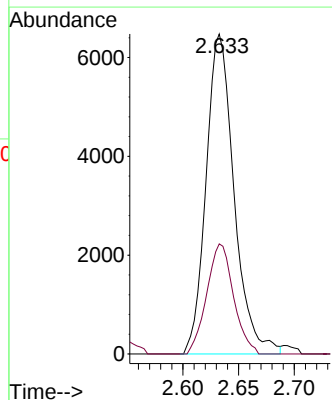
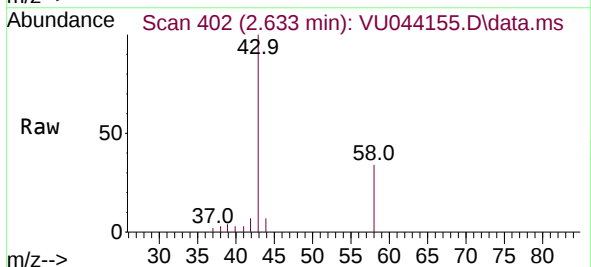
Instrument :
MSVOA_U
ClientSampleId :

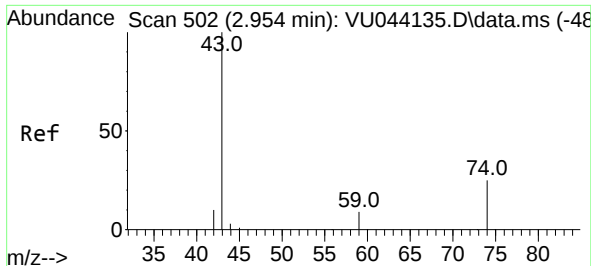
Tgt Ion: 59 Resp: 4311
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 7.857 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

Tgt Ion: 43 Resp: 11347
Ion Ratio Lower Upper
43 100
58 34.4 28.0 42.0

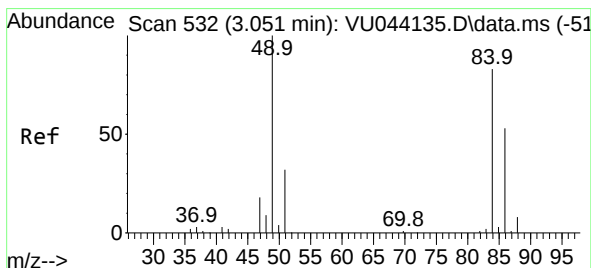
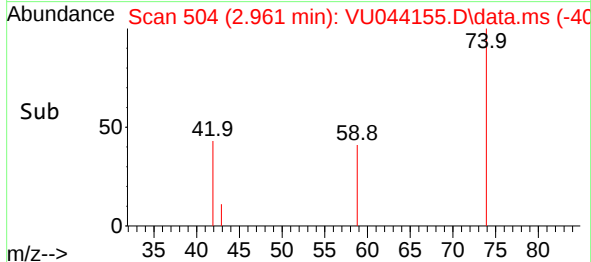
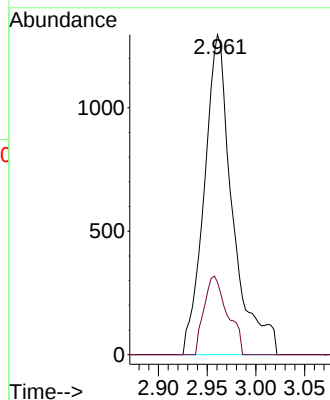
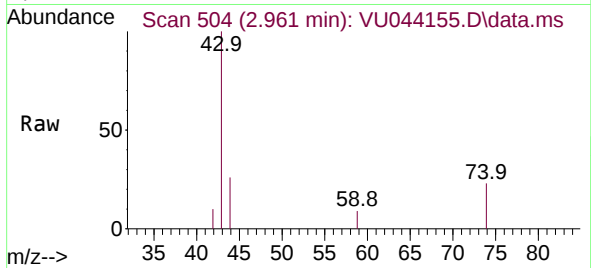




#18
Methyl Acetate
Concen: 0.923 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

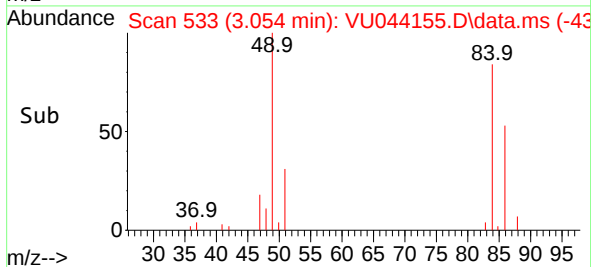
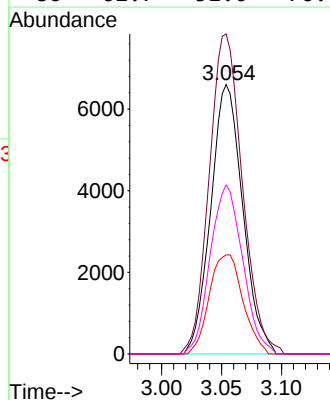
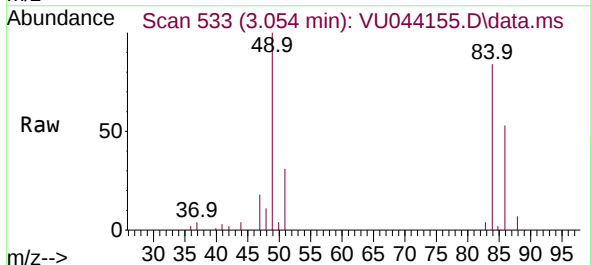
Instrument :
MSVOA_U
ClientSampleId :

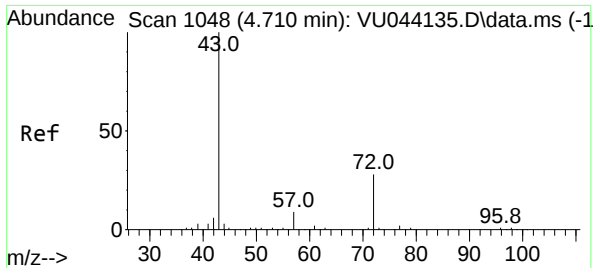
Tgt Ion: 43 Resp: 2626
Ion Ratio Lower Upper
43 100
74 20.3 20.3 30.5#



#20
Methylene Chloride
Concen: 5.066 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

Tgt Ion: 84 Resp: 12250
Ion Ratio Lower Upper
84 100
49 118.7 96.9 145.3
51 36.7 31.0 46.6
86 62.7 51.0 76.6





#25

2-Butanone

Concen: 1.711 ug/l

RT: 4.719 min Scan# 1051

Delta R.T. 0.009 min

Lab File: VU044155.D

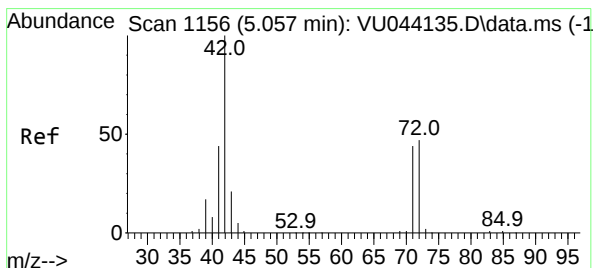
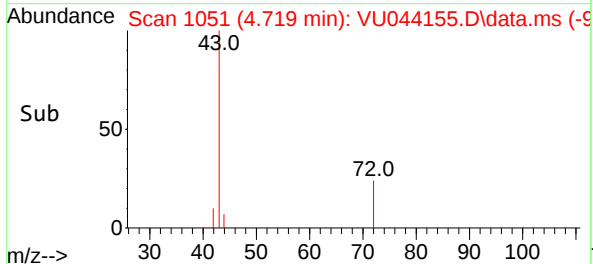
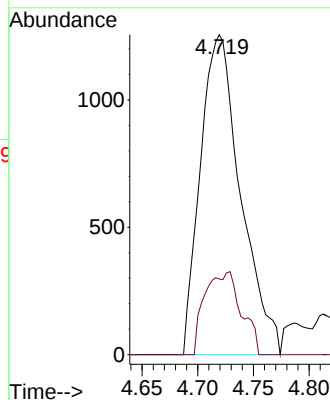
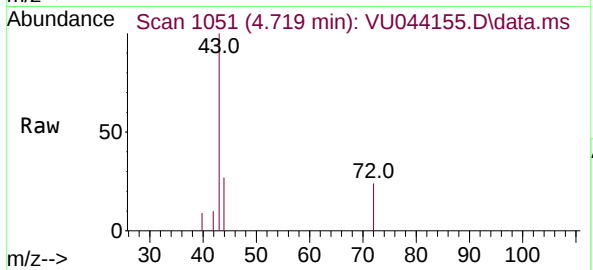
Acq: 10 Jun 2021 15:00

Tgt Ion: 43 Resp: 3160

Ion Ratio Lower Upper

43 100

72 23.6 22.6 33.8



#29

Tetrahydrofuran

Concen: 0.698 ug/l

RT: 5.070 min Scan# 1160

Delta R.T. 0.013 min

Lab File: VU044155.D

Acq: 10 Jun 2021 15:00

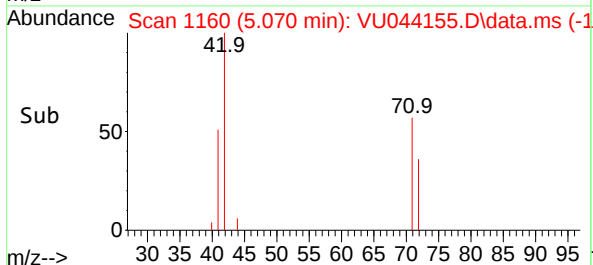
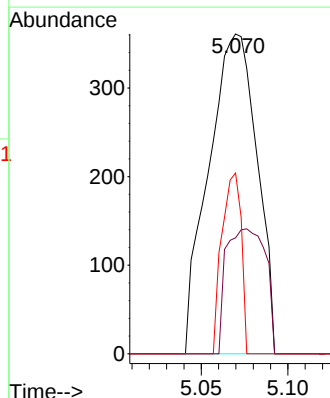
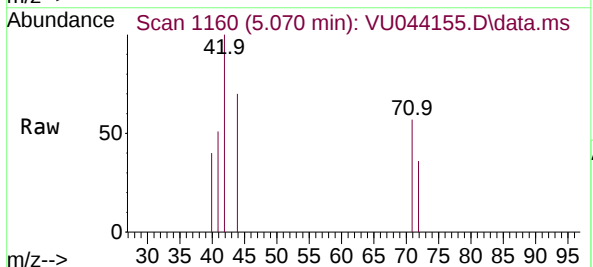
Tgt Ion: 42 Resp: 701

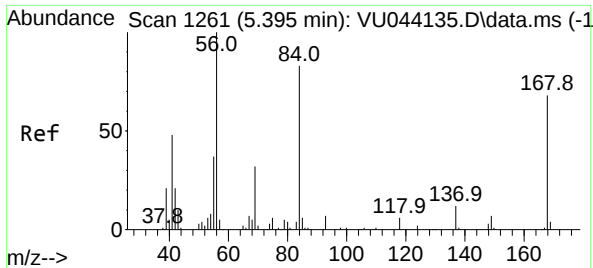
Ion Ratio Lower Upper

42 100

72 31.7 38.6 57.8#

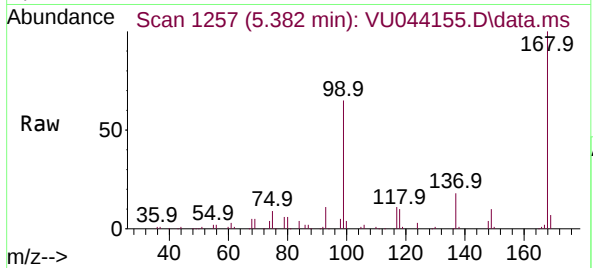
71 22.7 35.5 53.3#



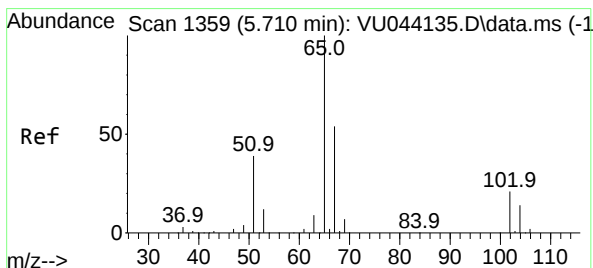
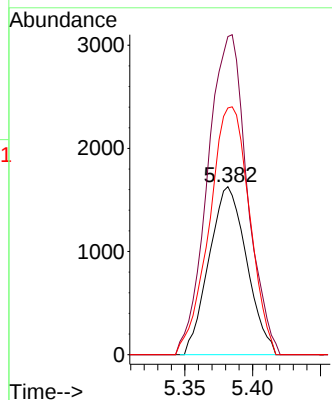
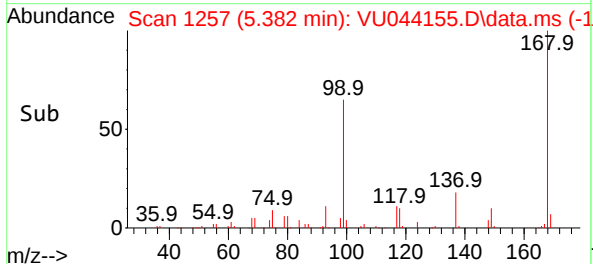


#31
Cyclohexane
Concen: 1.008 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

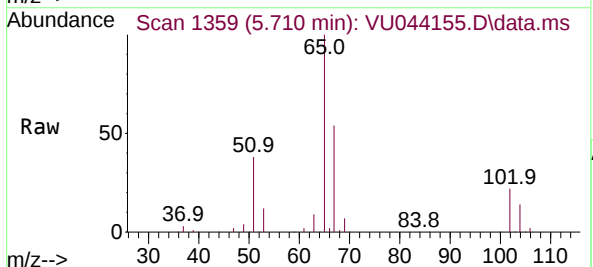
Instrument :
MSVOA_U
ClientSampled :



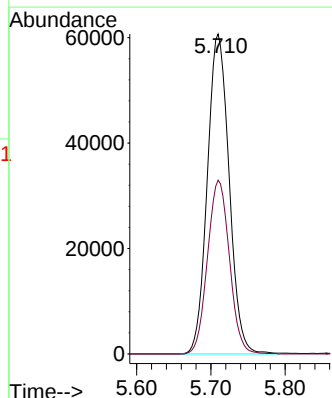
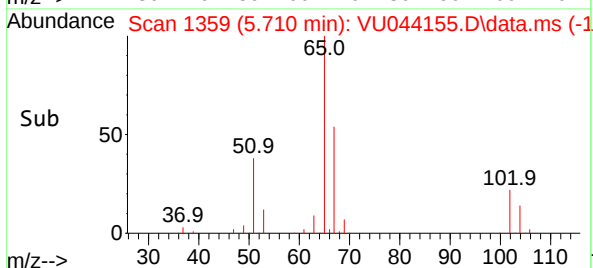
Tgt Ion: 56 Resp: 3147
Ion Ratio Lower Upper
56 100
69 189.4 25.5 38.3#
84 146.9 66.3 99.5#

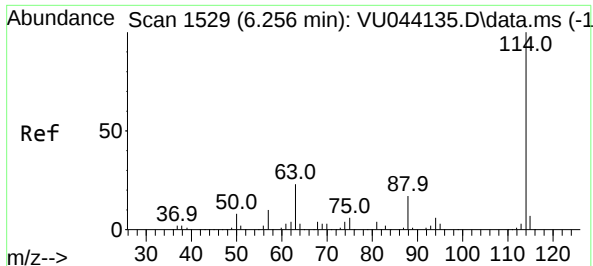


#33
1,2-Dichloroethane-d4
Concen: 55.900 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00



Tgt Ion: 65 Resp: 123695
Ion Ratio Lower Upper
65 100
67 54.6 0.0 106.6

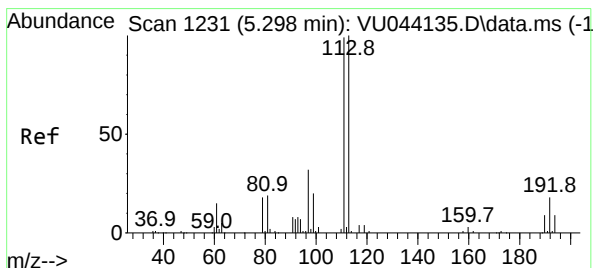
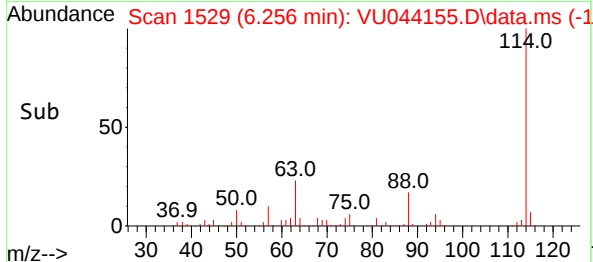
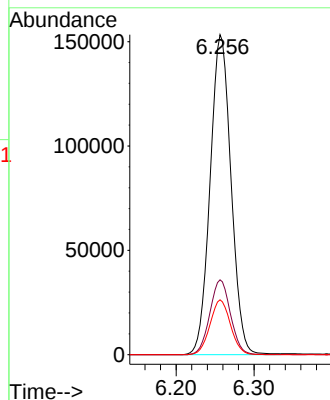
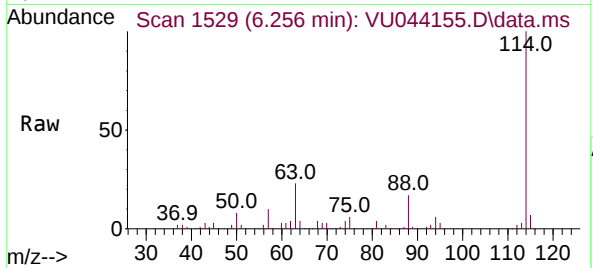




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

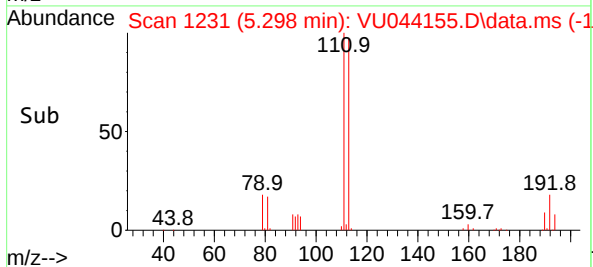
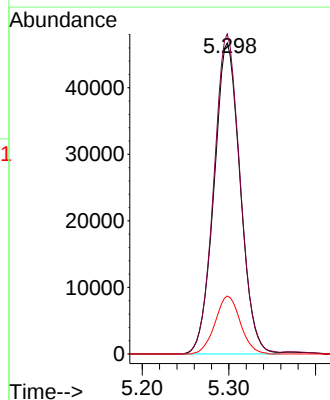
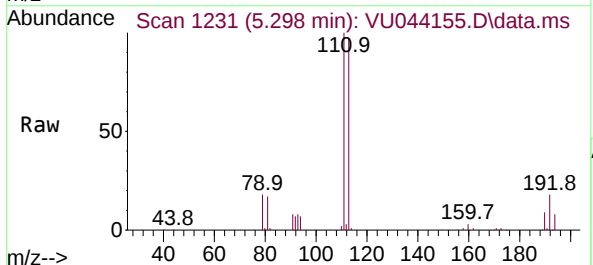
Instrument :
MSVOA_U
ClientSampleId :

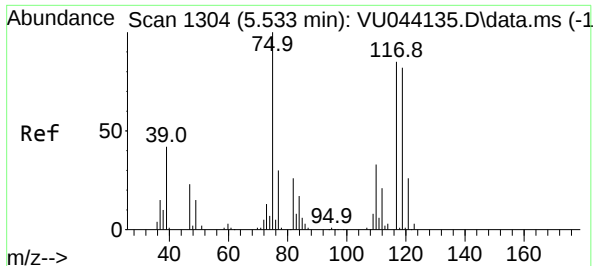
Tgt Ion:	114	Resp:	286135
Ion Ratio	100	Lower	Upper
63	23.4	0.0	45.8
88	17.1	0.0	34.0



#35
Dibromofluoromethane
Concen: 49.313 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

Tgt Ion:	113	Resp:	98154
Ion Ratio	100	Lower	Upper
111	102.9	81.0	121.4
192	17.9	14.3	21.5



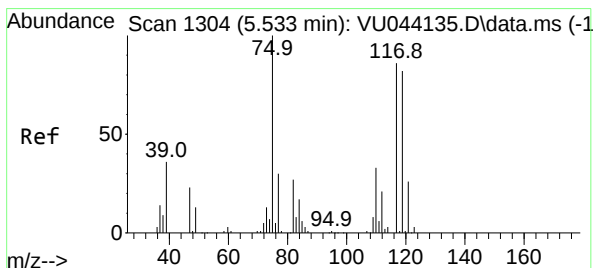
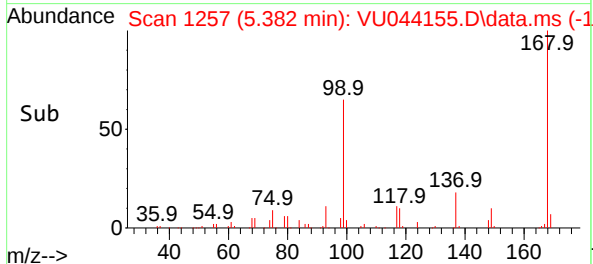
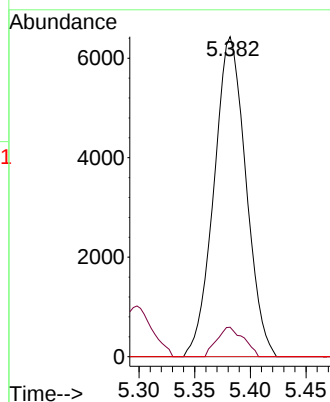
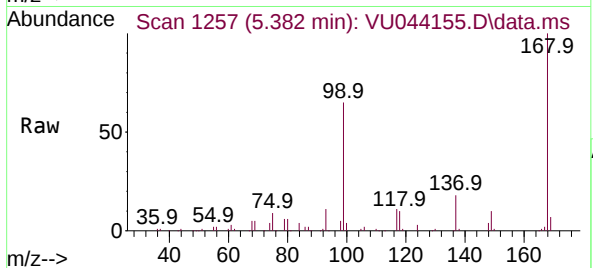


#36

1,1-Dichloropropene
Concen: 4.030 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

Instrument :
MSVOA_U
ClientSampled :

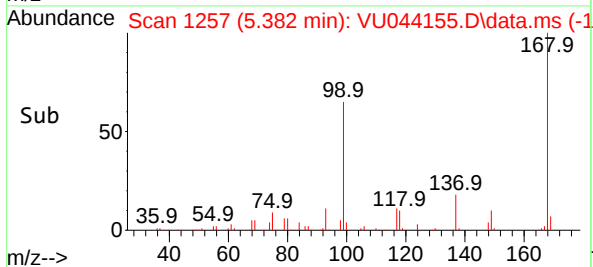
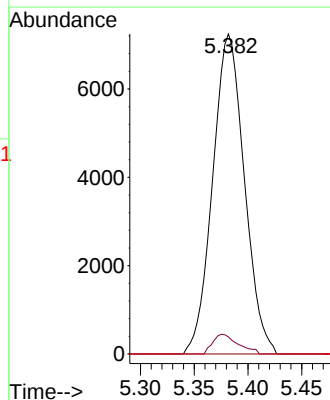
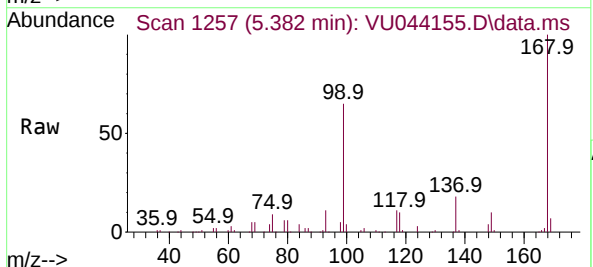
Tgt Ion: 75 Resp: 12828
Ion Ratio Lower Upper
75 100
110 7.7 16.4 49.4#
77 0.0 24.7 37.1#

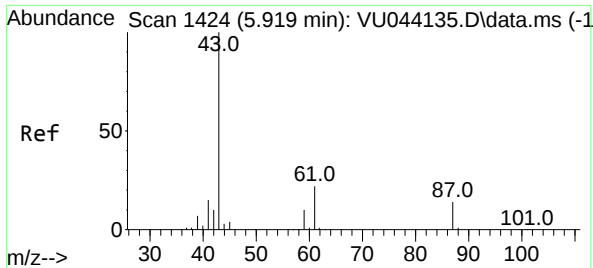


#38

Carbon Tetrachloride
Concen: 5.170 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

Tgt Ion: 117 Resp: 14859
Ion Ratio Lower Upper
117 100
119 5.4 76.6 114.8#
121 0.0 24.6 36.8#

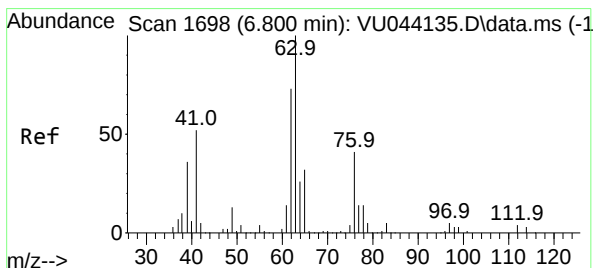
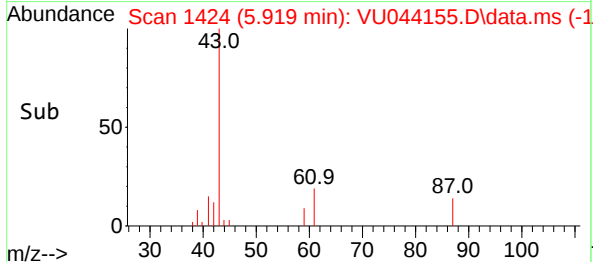
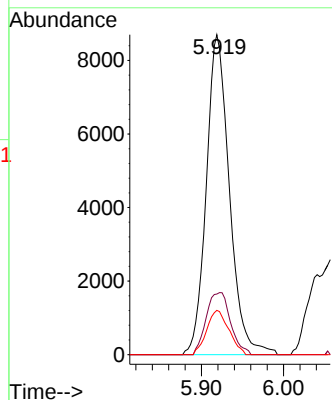
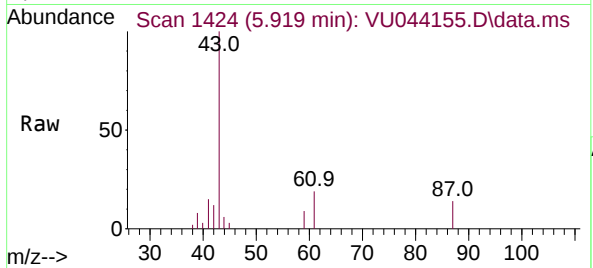




#43
Isopropyl Acetate
Concen: 3.150 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

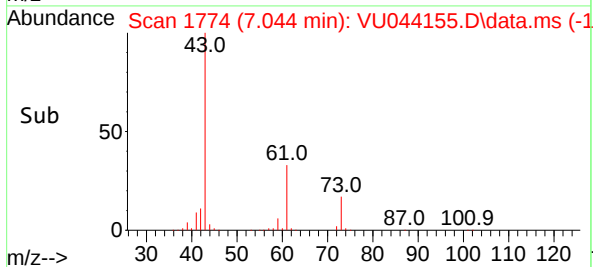
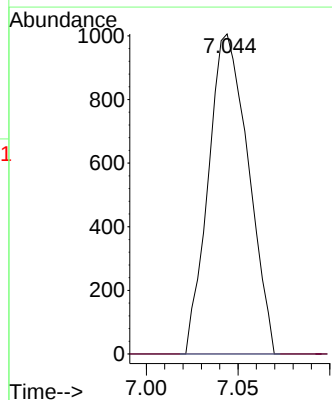
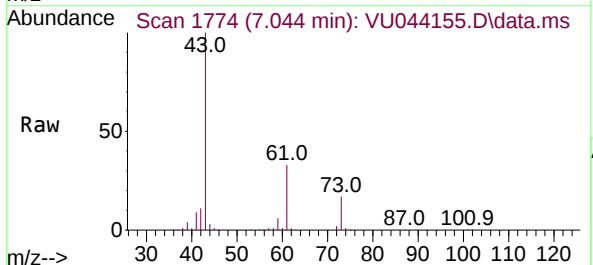
Instrument :
MSVOA_U
ClientSampled :

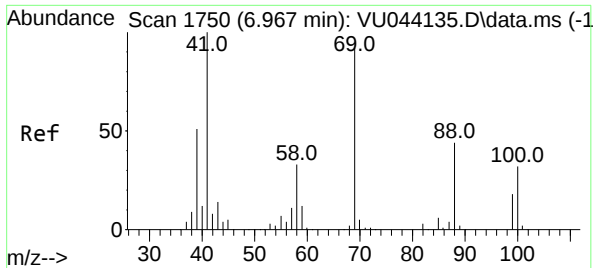
Tgt Ion: 43	Resp: 17035
Ion Ratio	Lower Upper
43 100	
61 20.4	17.8 26.8
87 13.3	11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.594 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

Tgt Ion: 63	Resp: 1523
Ion Ratio	Lower Upper
63 100	
65 0.0	25.7 38.5#





#48

Methyl methacrylate

Concen: 2.297 ug/l

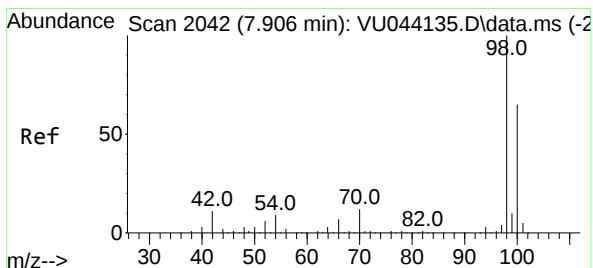
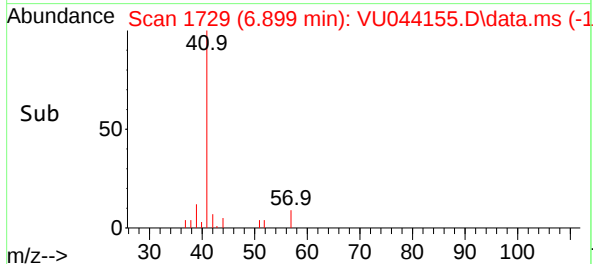
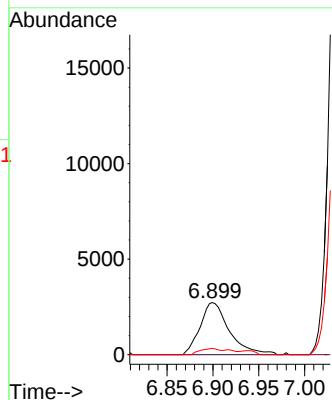
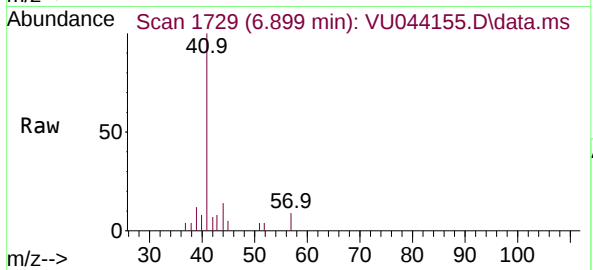
RT: 6.899 min Scan# 1729

Delta R.T. -0.068 min

Lab File: VU044155.D

Acq: 10 Jun 2021 15:00

Tgt Ion:	41	Resp:	6046
Ion Ratio	Lower	Upper	
41	100		
69	0.0	74.0	111.0#
39	0.0	41.5	62.3#



#50

Toluene-d8

Concen: 50.797 ug/l

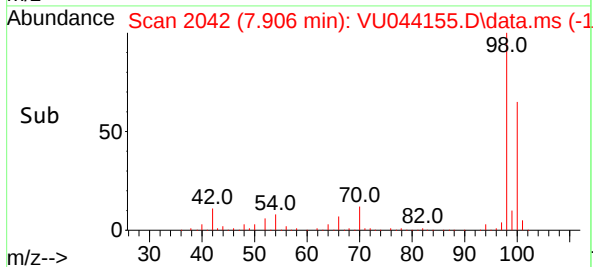
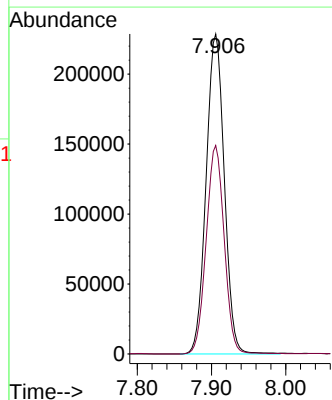
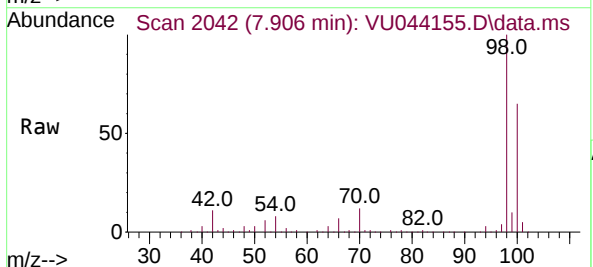
RT: 7.906 min Scan# 2042

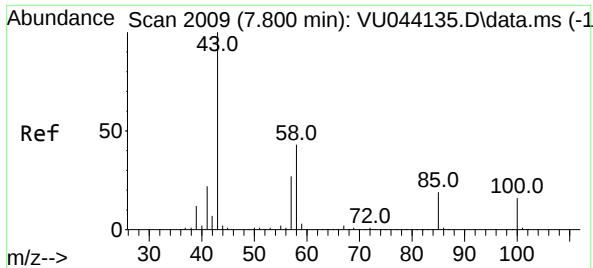
Delta R.T. -0.000 min

Lab File: VU044155.D

Acq: 10 Jun 2021 15:00

Tgt Ion:	98	Resp:	388305
Ion Ratio	Lower	Upper	
98	100		
100	64.6	52.2	78.4

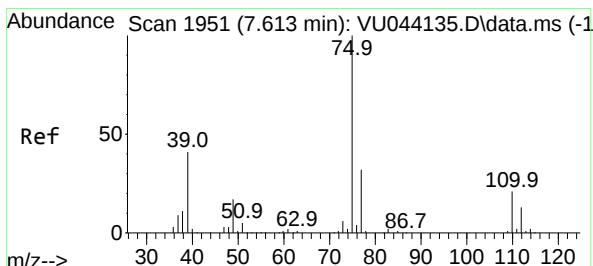
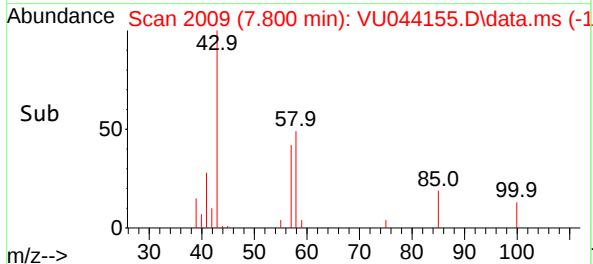
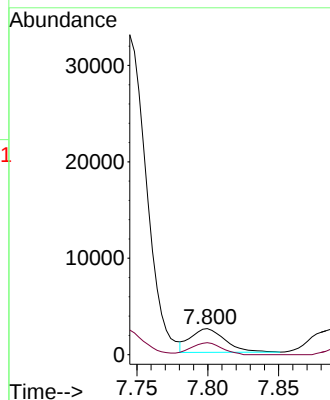
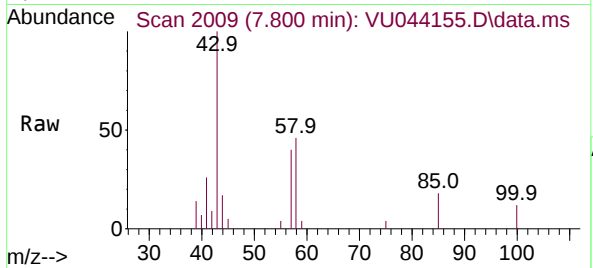




#51
4-Methyl-2-Pentanone
Concen: 1.060 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

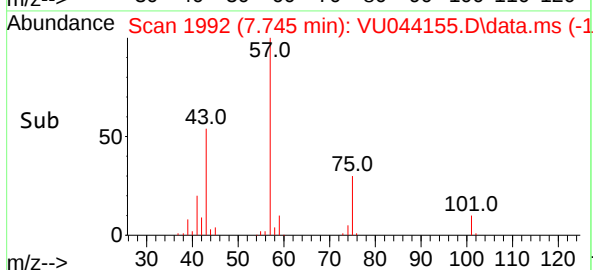
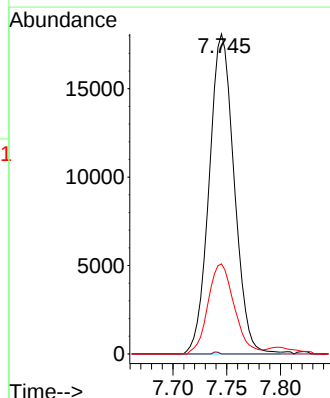
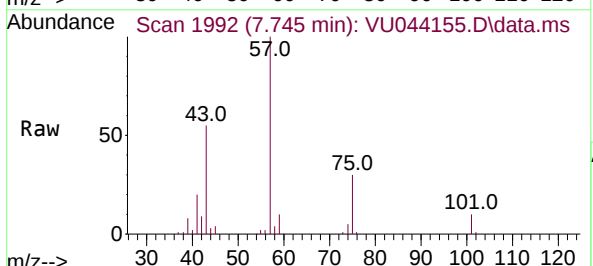
Instrument :
MSVOA_U
ClientSampled :

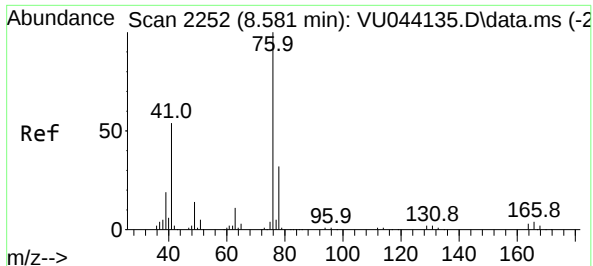
Tgt Ion: 43 Resp: 4150
Ion Ratio Lower Upper
43 100
58 44.9 34.5 51.7



#54
cis-1,3-Dichloropropene
Concen: 7.623 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

Tgt Ion: 75 Resp: 29247
Ion Ratio Lower Upper
75 100
77 0.0 25.9 38.9#
39 28.2 33.2 49.8#



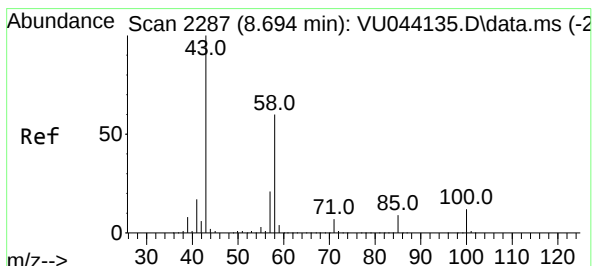
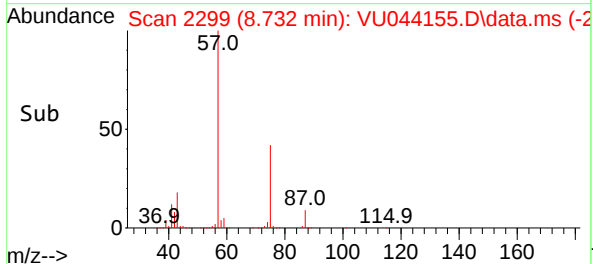
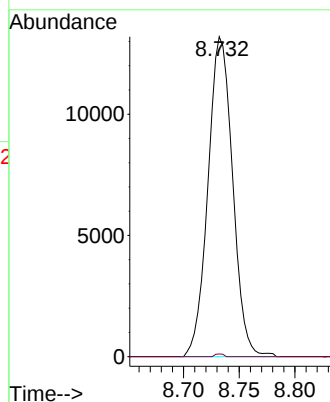
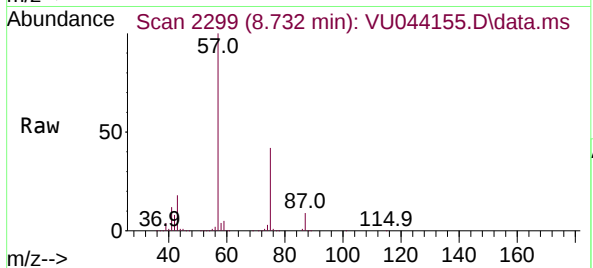


#57

1,3-Dichloropropane
Concen: 4.887 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

Instrument :
MSVOA_U
ClientSampled :

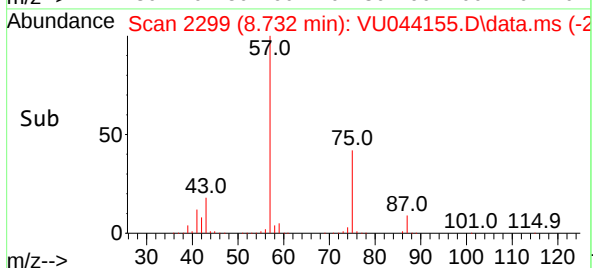
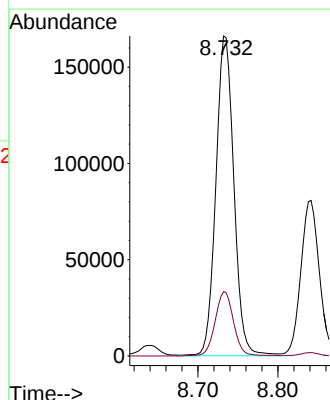
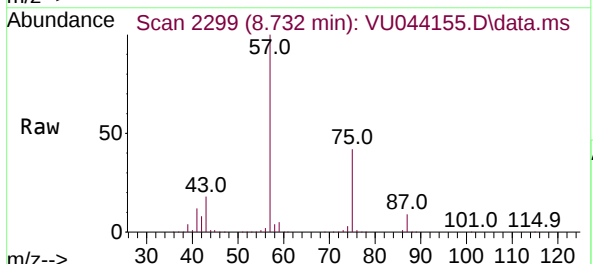
Tgt Ion: 76 Resp: 20361
Ion Ratio Lower Upper
76 100
78 0.3 25.9 38.9#

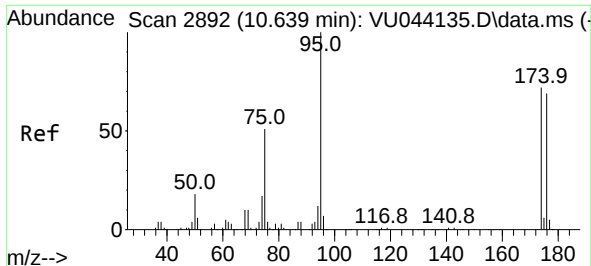


#59

2-Hexanone
Concen: 83.161 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

Tgt Ion: 43 Resp: 259808
Ion Ratio Lower Upper
43 100
58 20.7 30.0 90.1#

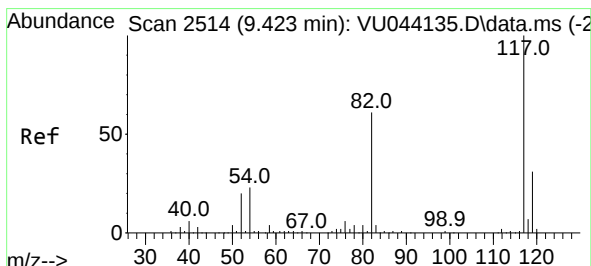
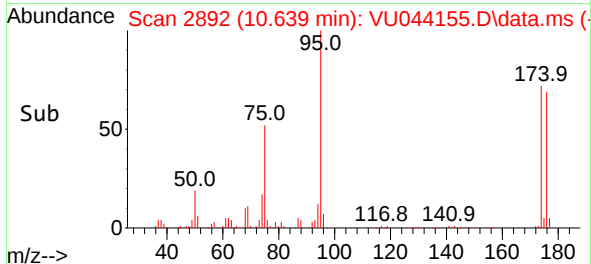
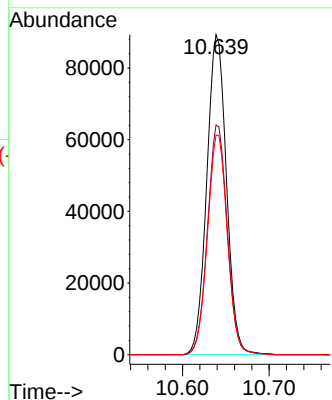
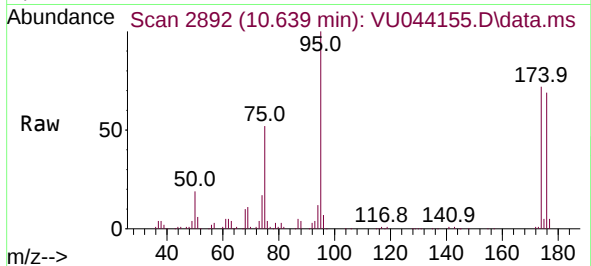




#62
4-Bromofluorobenzene
Concen: 45.953 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

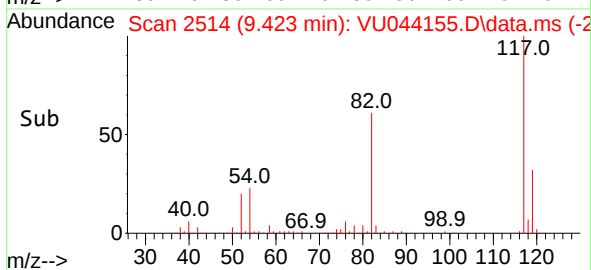
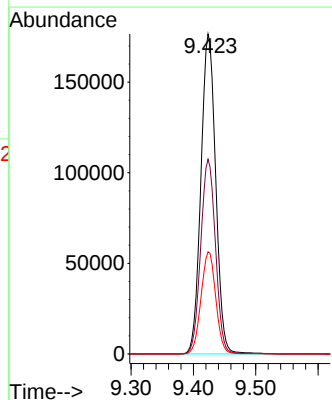
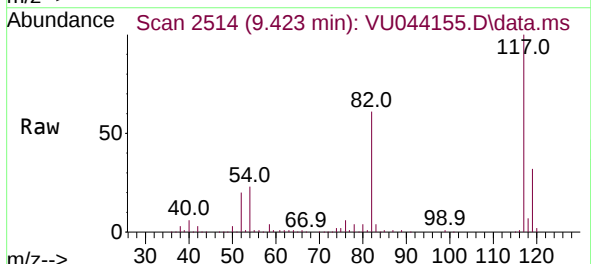
Instrument :
MSVOA_U
ClientSampleId :

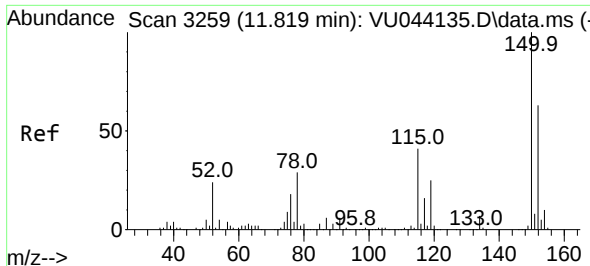
Tgt Ion: 95 Resp: 140774
Ion Ratio Lower Upper
95 100
174 72.3 0.0 144.4
176 69.4 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

Tgt Ion: 117 Resp: 291318
Ion Ratio Lower Upper
117 100
82 60.9 48.8 73.2
119 32.0 25.0 37.6

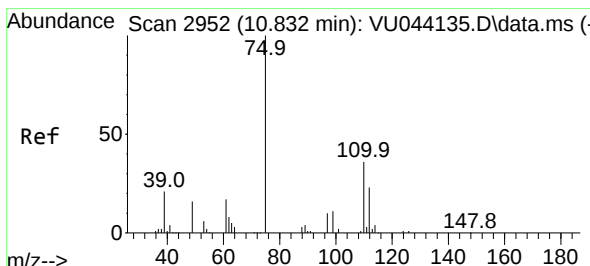
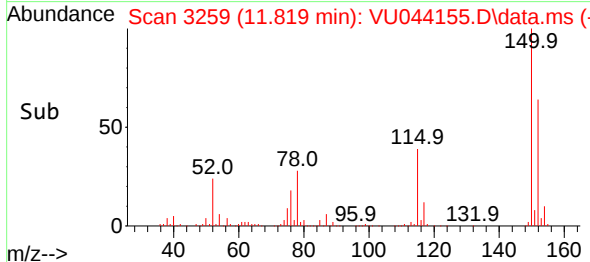
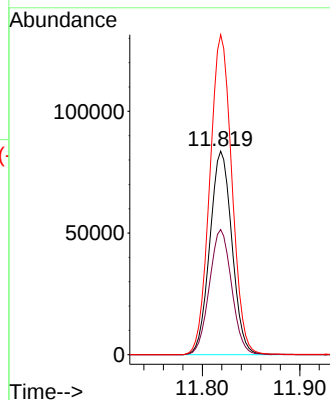
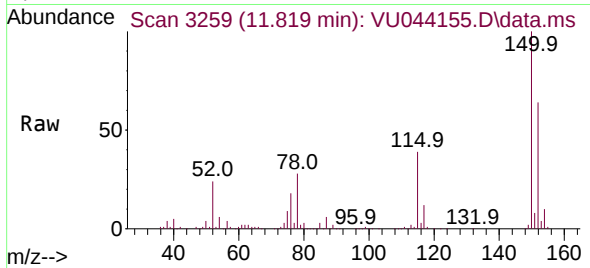




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044155.D
 Acq: 10 Jun 2021 15:00

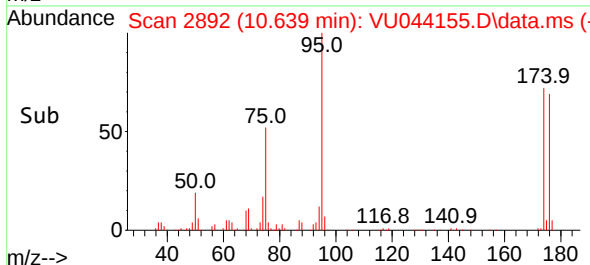
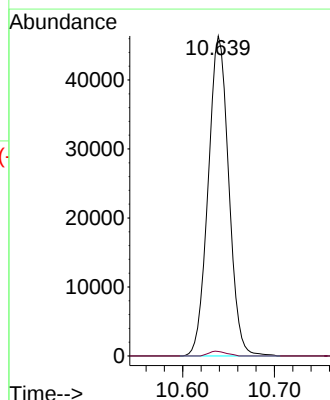
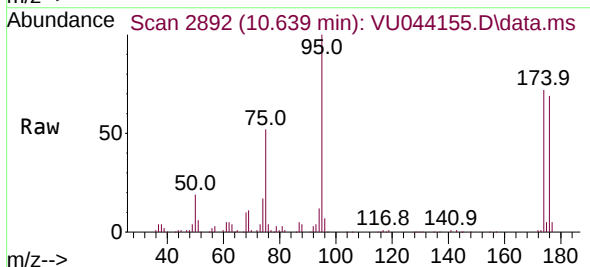
Instrument :
 MSVOA_U
 ClientSampled :

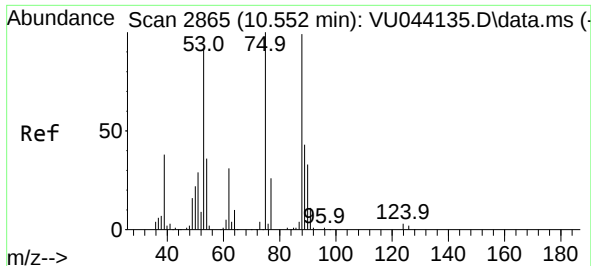
Tgt Ion:152 Resp: 131944
 Ion Ratio Lower Upper
 152 100
 115 61.8 43.8 131.3
 150 157.1 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 16.342 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044155.D
 Acq: 10 Jun 2021 15:00

Tgt Ion: 75 Resp: 72293
 Ion Ratio Lower Upper
 75 100
 77 1.3 14.9 44.5#

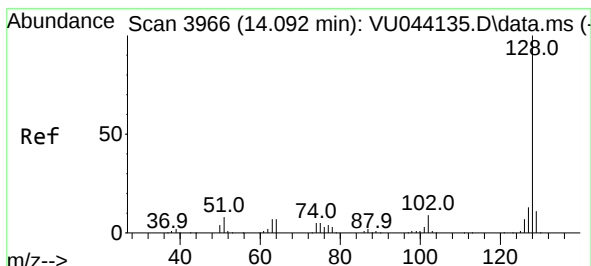
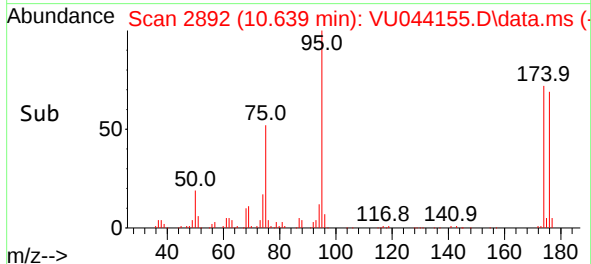
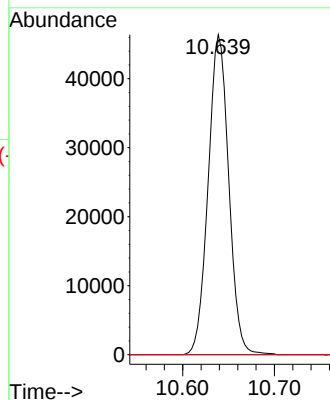
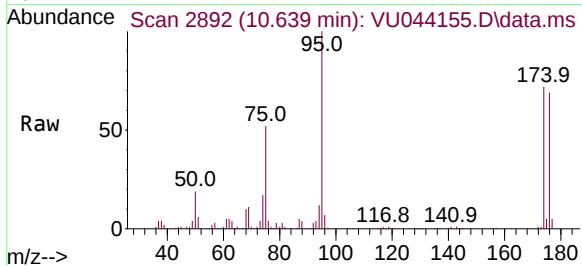




#81
trans-1,4-Dichloro-2-butene
Concen: 59.239 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 72293
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#



#95
Naphthalene
Concen: 2.870 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.010 min
Lab File: VU044155.D
Acq: 10 Jun 2021 15:00

Tgt Ion:128 Resp: 337
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

