

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041321\
 Data File : VU043058.D
 Acq On : 13 Apr 2021 17:45
 Operator : SY/MD
 Sample : PB135653ZHE#03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 03:52:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

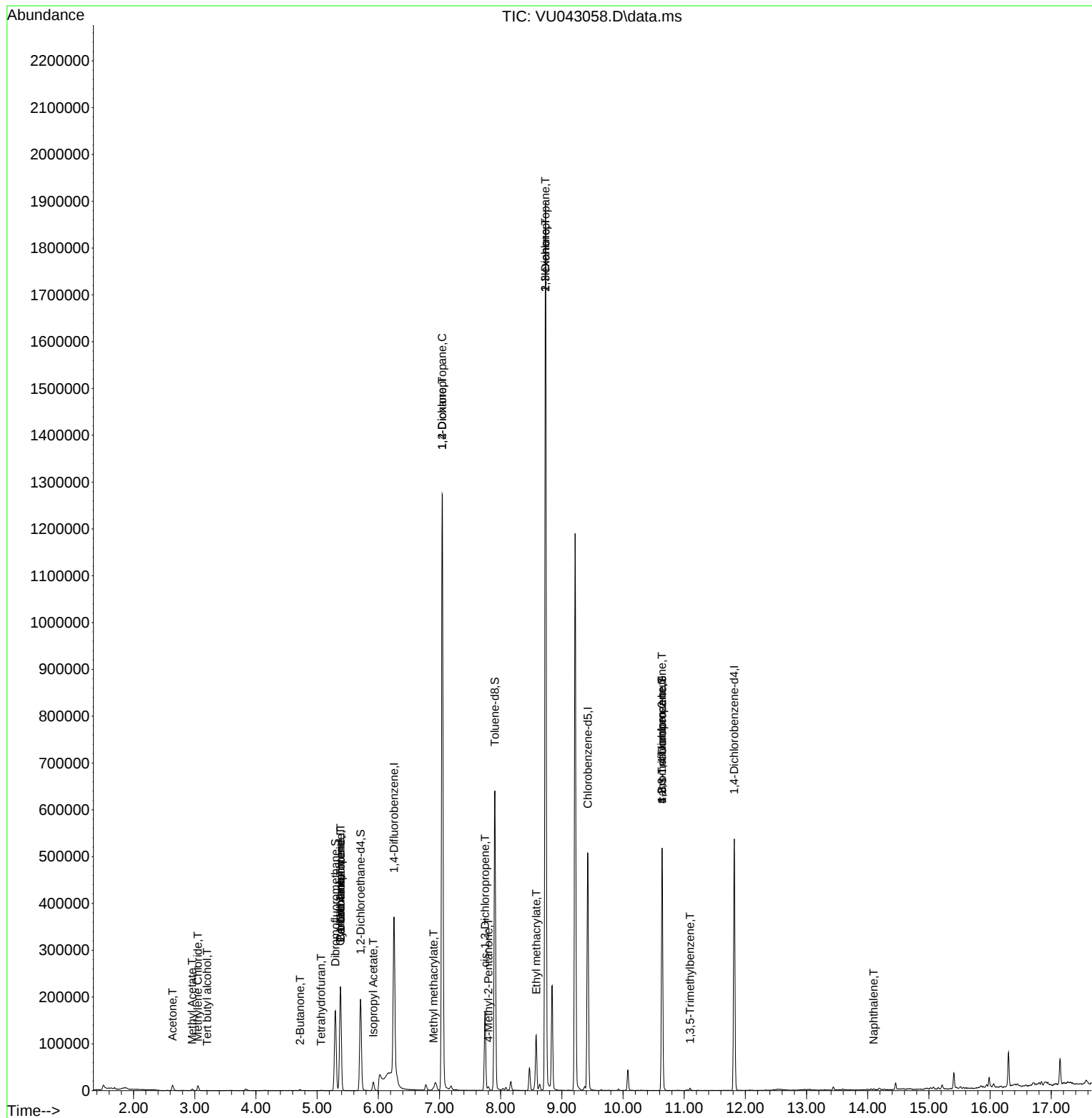
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.382	168	151672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	251335	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	255118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	128608	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	151004	59.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.44%	
35) Dibromofluoromethane	5.298	113	103685	54.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.80%	
50) Toluene-d8	7.906	98	390827	58.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.96%	
62) 4-Bromofluorobenzene	10.639	95	150074	56.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.16%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	726	Below Cal	#	41
11) Tert butyl alcohol	3.202	59	241	0.37	ug/l #	94
16) Acetone	2.639	43	15266	9.88	ug/l	98
18) Methyl Acetate	2.957	43	4760	1.49	ug/l	100
20) Methylene Chloride	3.051	84	4259	2.35	ug/l	94
25) 2-Butanone	4.723	43	3422	1.48	ug/l	96
29) Tetrahydrofuran	5.067	42	569	0.39	ug/l #	43
31) Cyclohexane	5.379	56	3600	1.14	ug/l #	37
36) 1,1-Dichloropropene	5.382	75	12102	4.54	ug/l #	51
38) Carbon Tetrachloride	5.382	117	14830	5.19	ug/l #	16
43) Isopropyl Acetate	5.919	43	20687	3.18	ug/l	98
45) 1,2-Dichloropropane	7.044	63	1252	0.59	ug/l #	43
48) Methyl methacrylate	6.903	41	7502	2.30	ug/l #	17
49) 1,4-Dioxane	7.044	88	47	0.72	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	5181	1.08	ug/l	96
54) cis-1,3-Dichloropropene	7.745	75	25769	7.71	ug/l #	62
56) Ethyl methacrylate	8.584	69	712	0.21	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	17016	4.86	ug/l #	43
59) 2-Hexanone	8.732	43	300546	75.87	ug/l #	53
76) 1,2,3-Trichloropropane	10.639	75	85085	22.64	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.095	105	2614	0.34	ug/l	96
81) trans-1,4-Dichloro-2-b...	10.639	75	85085	66.53	ug/l #	7
95) Naphthalene	14.095	128	927	2.83	ug/l #	83

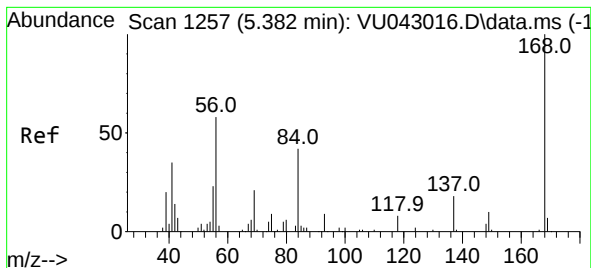
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041321\
Data File : VU043058.D
Acq On : 13 Apr 2021 17:45
Operator : SY/MD
Sample : PB135653ZHE#03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Apr 14 03:52:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 2021
Response via : Initial Calibration

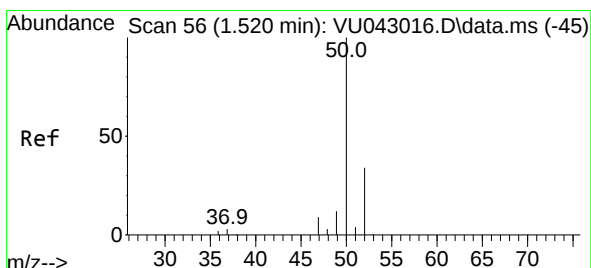
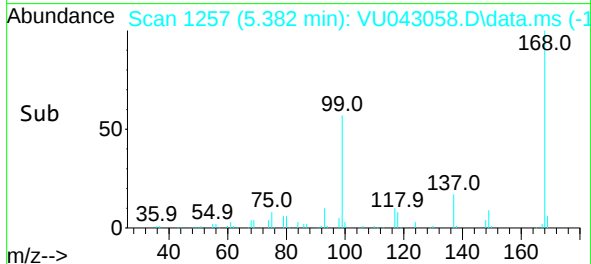
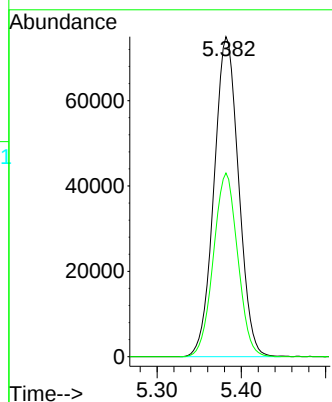
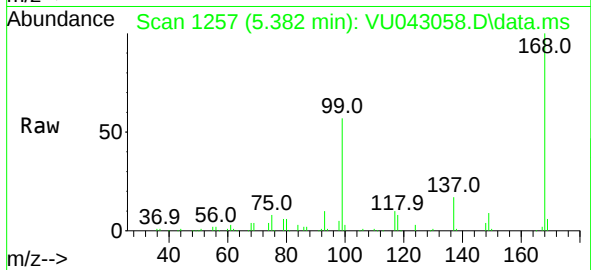




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

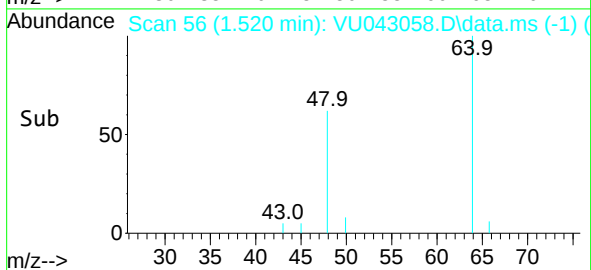
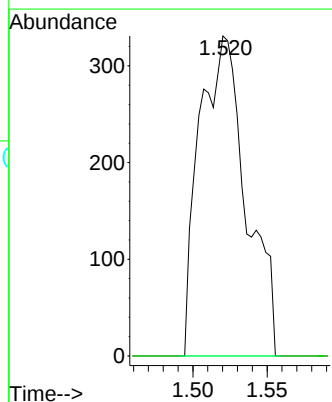
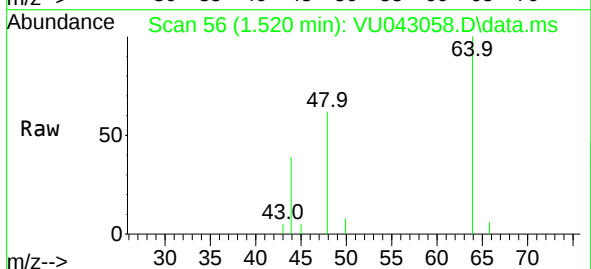
Instrument :
MSVOA_U
ClientSampled :

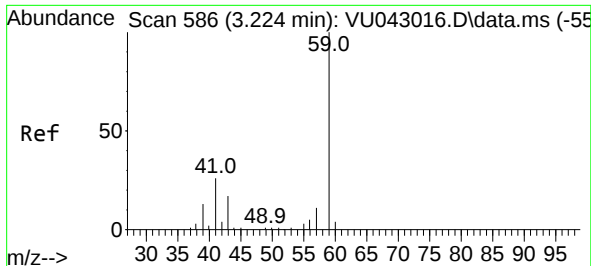
Tgt Ion:168 Resp: 151672
Ion Ratio Lower Upper
168 100
99 57.4 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

Tgt Ion: 50 Resp: 726
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

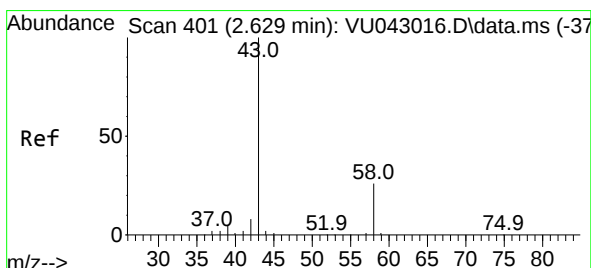
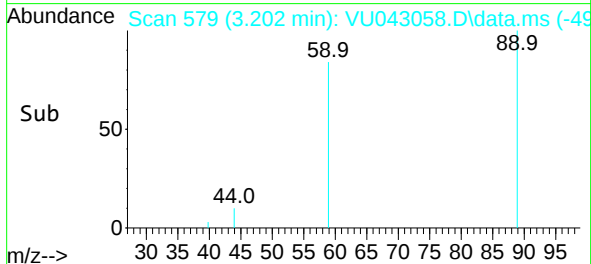
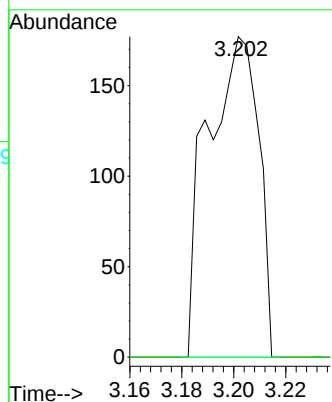
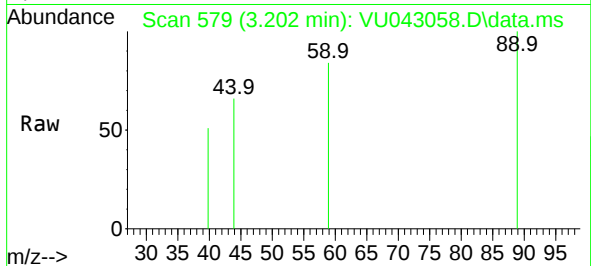




#11
Tert butyl alcohol
Concen: 0.37 ug/l
RT: 3.202 min Scan# 579
Delta R.T. -0.022 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

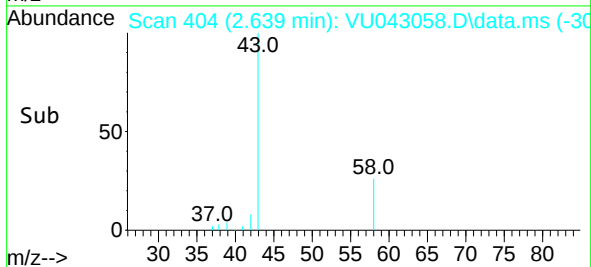
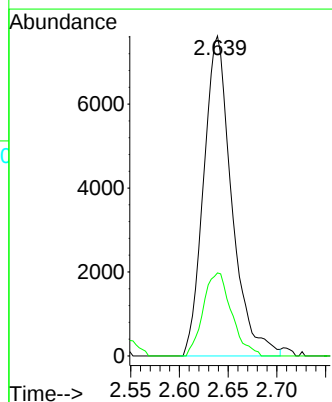
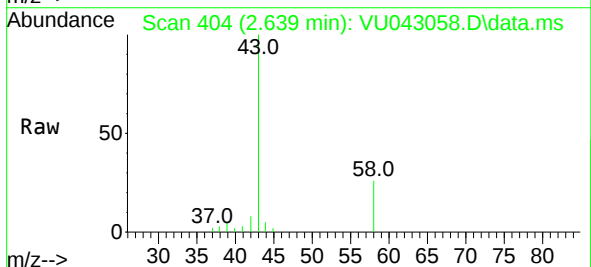
Instrument :
MSVOA_U
ClientSampled :

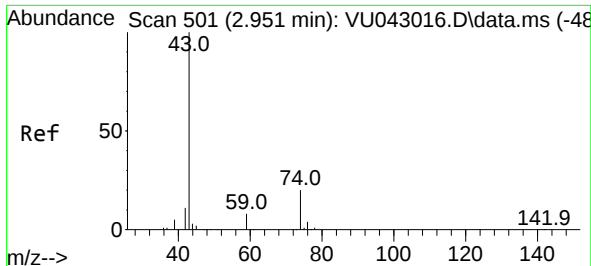
Tgt Ion: 59 Resp: 241
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



#16
Acetone
Concen: 9.88 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.010 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

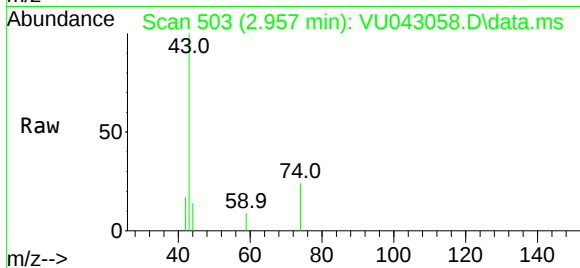
Tgt Ion: 43 Resp: 15266
Ion Ratio Lower Upper
43 100
58 25.9 21.5 32.3



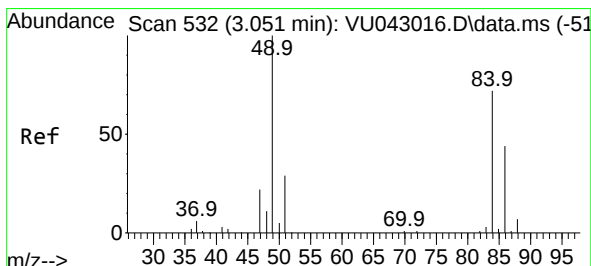
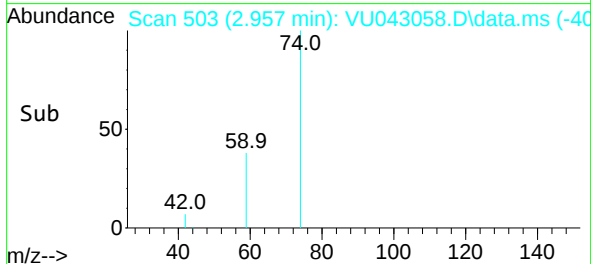
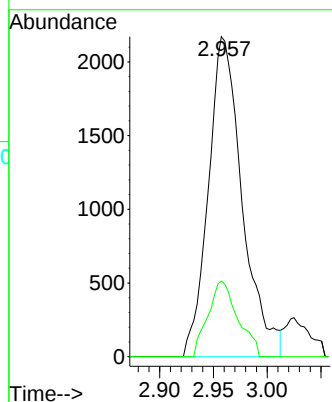


#18
Methyl Acetate
Concen: 1.49 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.006 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

Instrument :
MSVOA_U
ClientSampled :

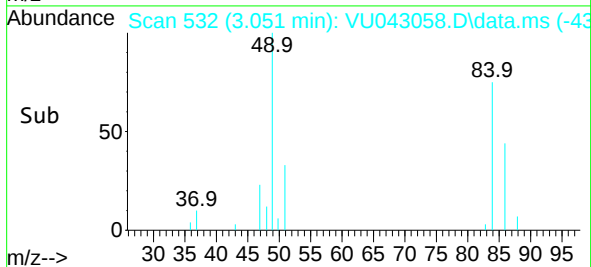
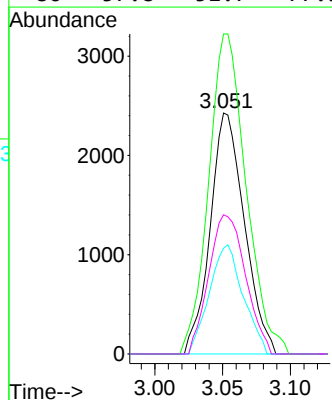
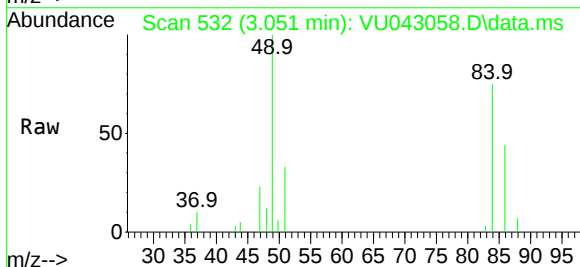


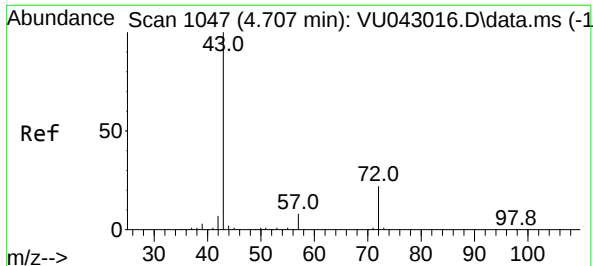
Tgt Ion: 43 Resp: 4760
Ion Ratio Lower Upper
43 100
74 20.8 16.6 25.0



#20
Methylene Chloride
Concen: 2.35 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

Tgt Ion: 84 Resp: 4259
Ion Ratio Lower Upper
84 100
49 132.8 112.6 169.0
51 43.9 33.7 50.5
86 57.8 51.7 77.5

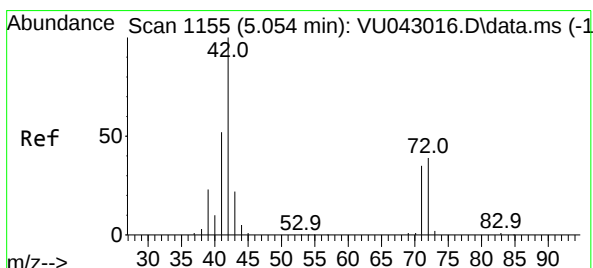
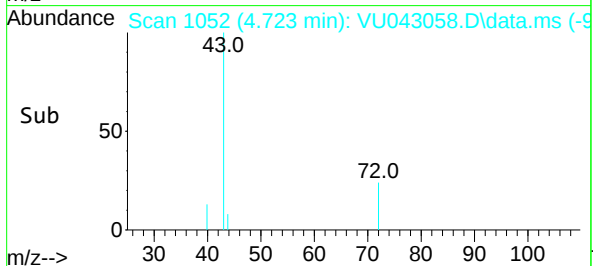
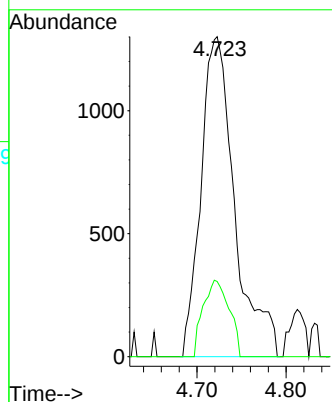
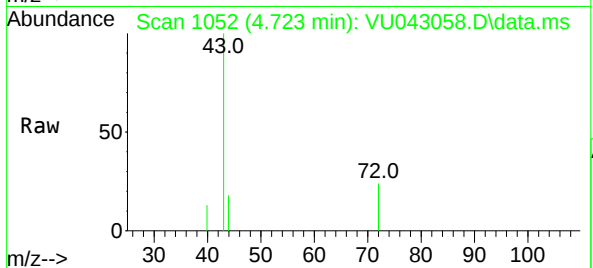




#25
2-Butanone
Concen: 1.48 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.016 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

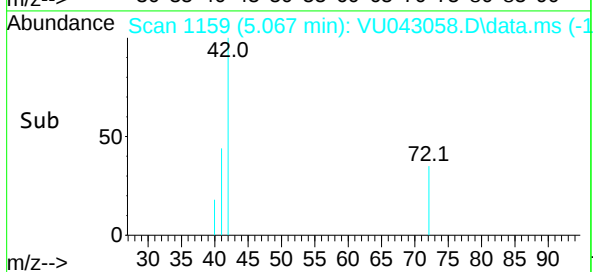
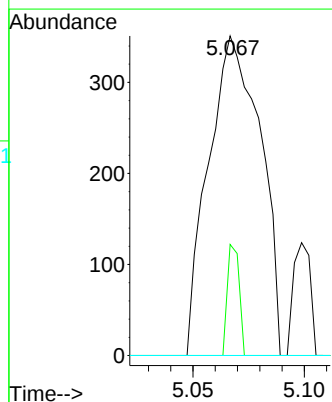
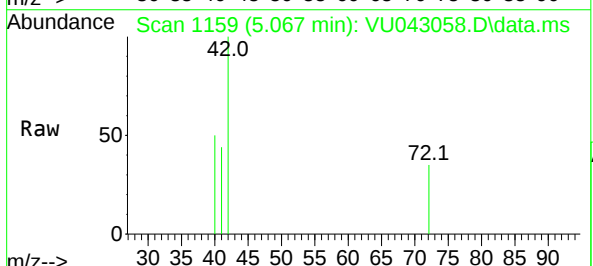
Instrument :
MSVOA_U
ClientSampled :

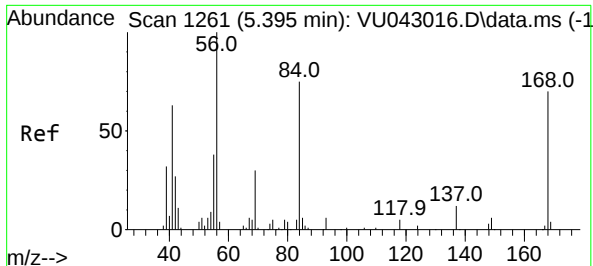
Tgt Ion: 43 Resp: 3422
Ion Ratio Lower Upper
43 100
72 23.5 17.4 26.0



#29
Tetrahydrofuran
Concen: 0.39 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.013 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

Tgt Ion: 42 Resp: 569
Ion Ratio Lower Upper
42 100
72 7.9 31.5 47.3#
71 0.0 29.5 44.3#





#31

Cyclohexane

Concen: 1.14 ug/l

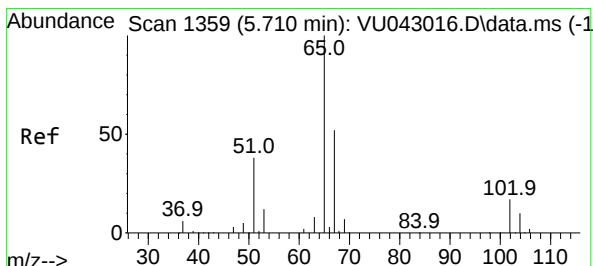
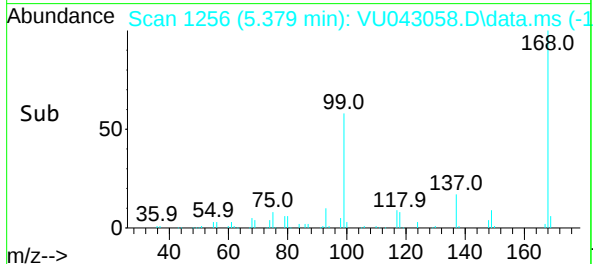
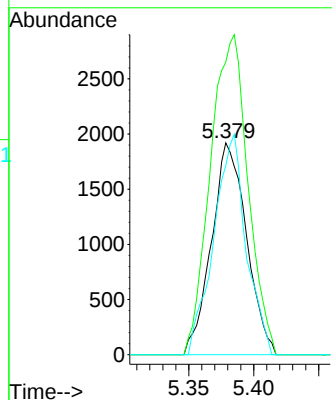
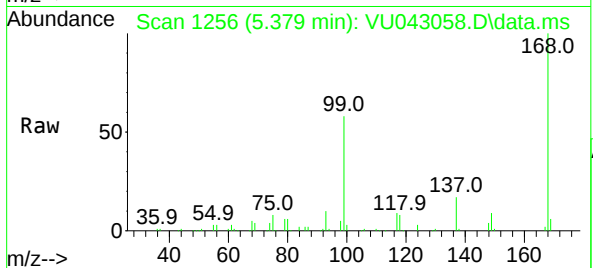
RT: 5.379 min Scan# 1256

Delta R.T. -0.016 min

Lab File: VU043058.D

Acq: 13 Apr 2021 17:45

Tgt Ion:	56	Resp:	3600
Ion	Ratio	Lower	Upper
56	100		
69	138.2	24.9	37.3#
84	89.3	63.7	95.5



#33

1,2-Dichloroethane-d4

Concen: 59.22 ug/l

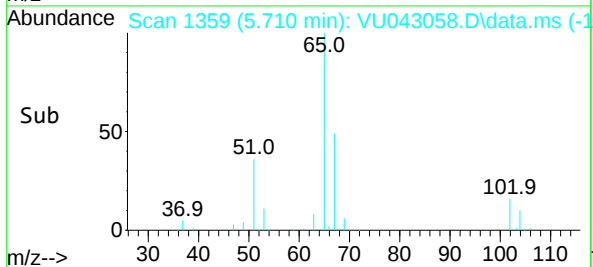
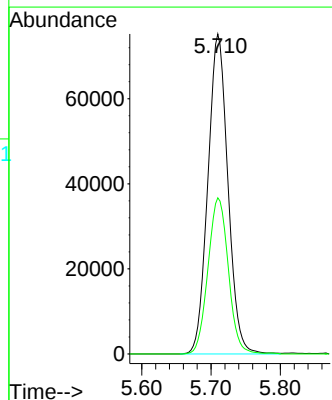
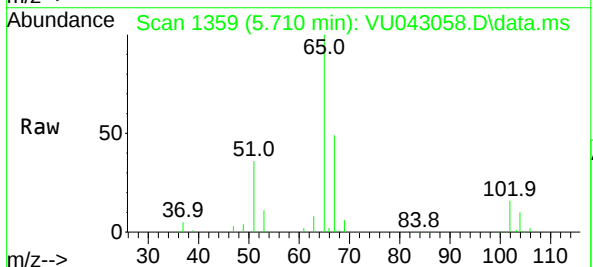
RT: 5.710 min Scan# 1359

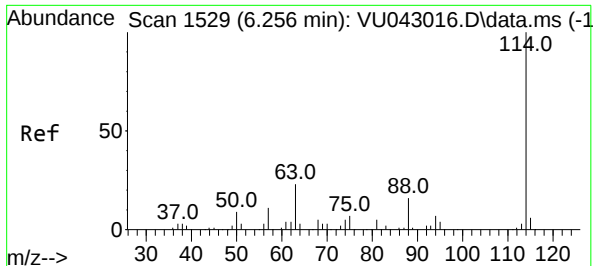
Delta R.T. -0.000 min

Lab File: VU043058.D

Acq: 13 Apr 2021 17:45

Tgt Ion:	65	Resp:	151004
Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043058.D

Acq: 13 Apr 2021 17:45

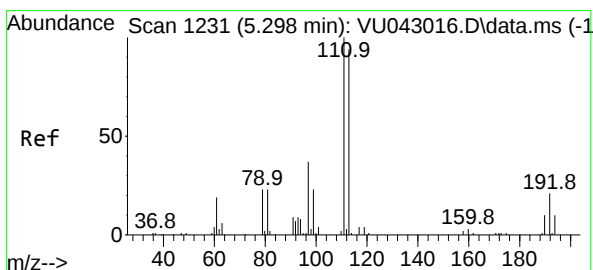
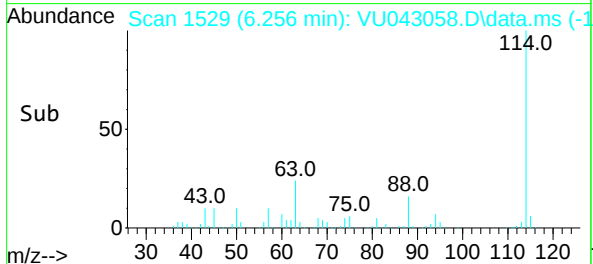
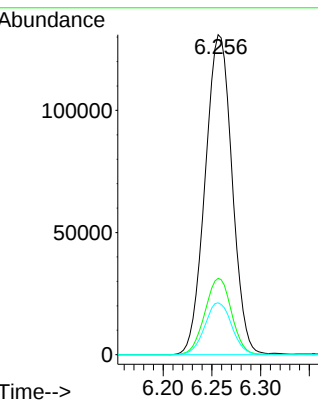
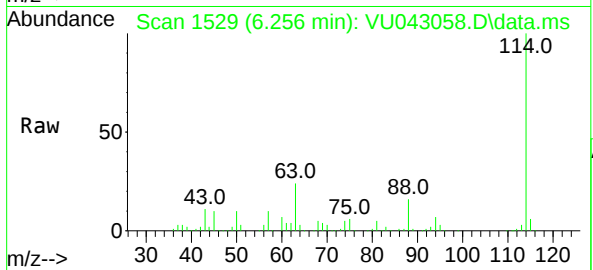
Tgt Ion:114 Resp: 251335

Ion Ratio Lower Upper

114 100

63 23.9 0.0 44.2

88 16.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 54.90 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU043058.D

Acq: 13 Apr 2021 17:45

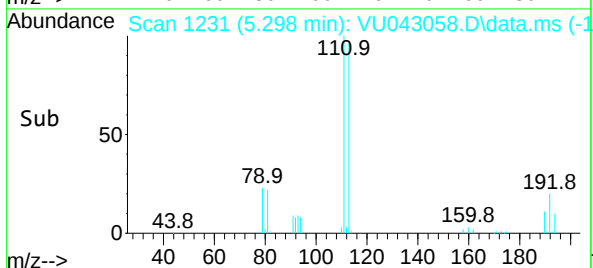
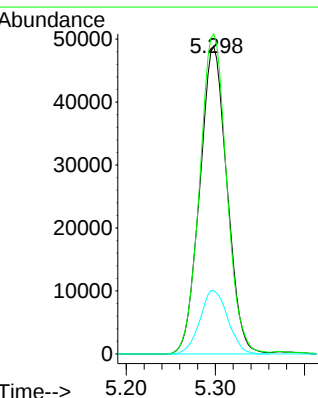
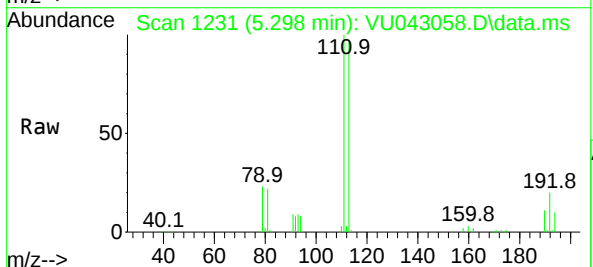
Tgt Ion:113 Resp: 103685

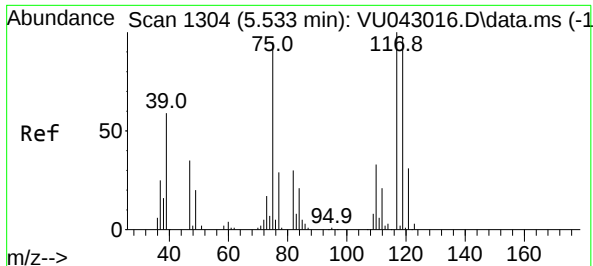
Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

192 21.1 17.2 25.8



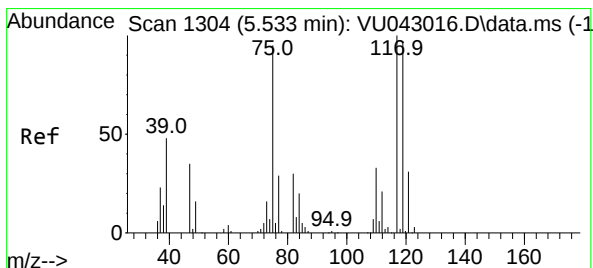
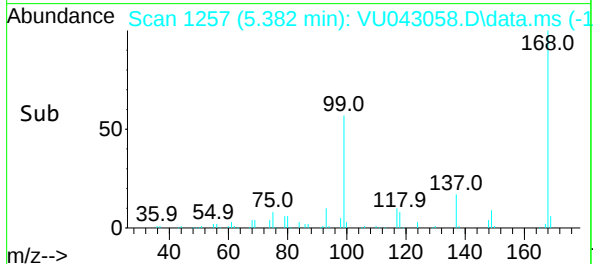
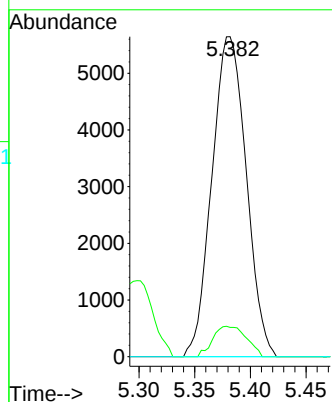
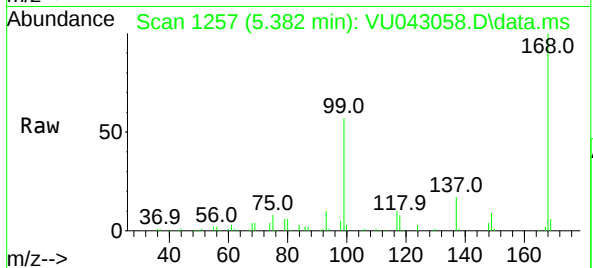


#36

1,1-Dichloropropene
Concen: 4.54 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

Instrument :
MSVOA_U
ClientSampled :

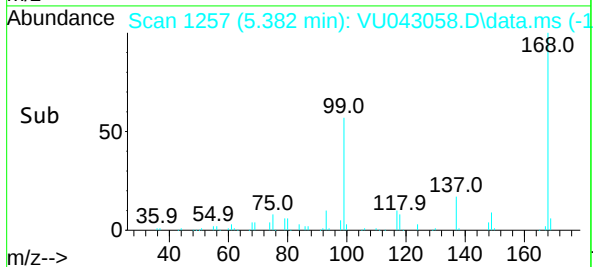
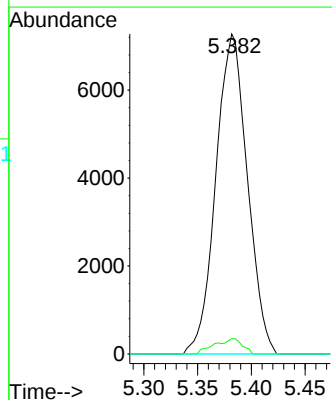
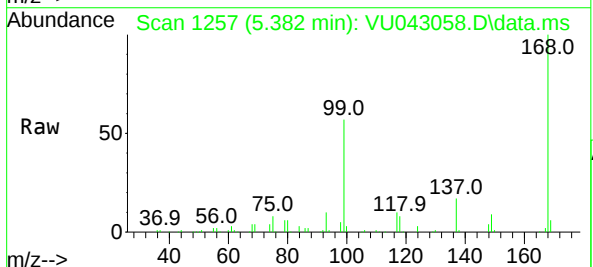
Tgt Ion: 75 Resp: 12102
Ion Ratio Lower Upper
75 100
110 9.3 16.8 50.3#
77 0.0 24.8 37.2#

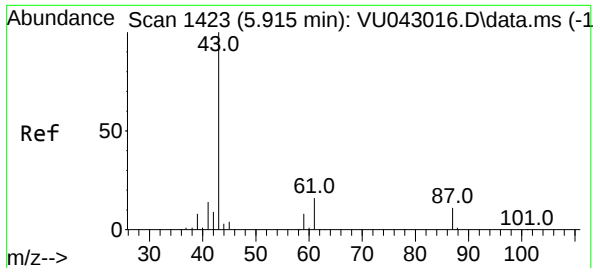


#38

Carbon Tetrachloride
Concen: 5.19 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

Tgt Ion: 117 Resp: 14830
Ion Ratio Lower Upper
117 100
119 4.8 75.5 113.3#
121 0.0 24.7 37.1#

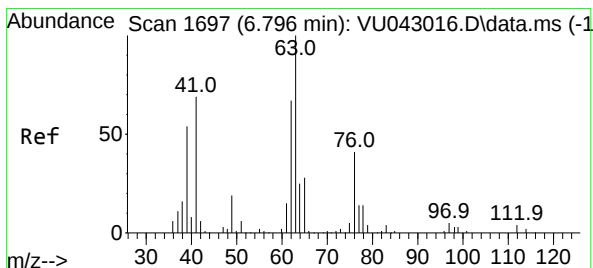
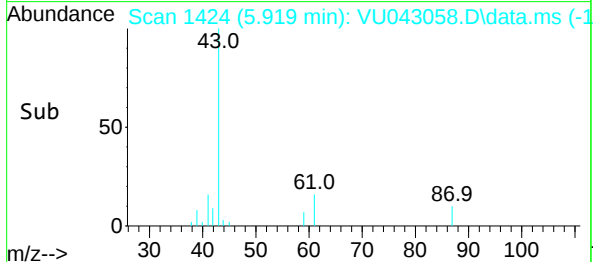
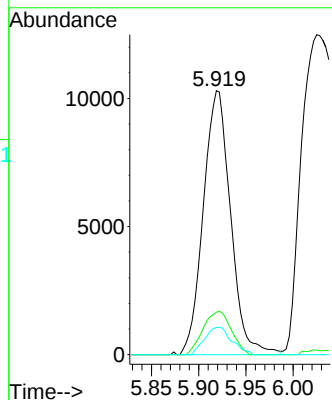
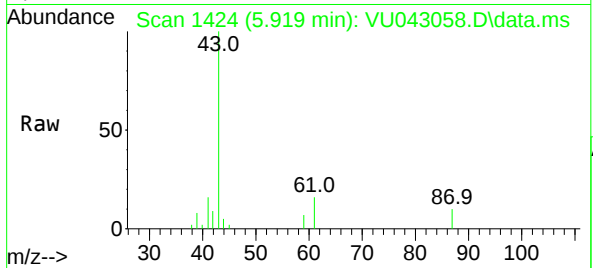




#43
Isopropyl Acetate
Concen: 3.18 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.004 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

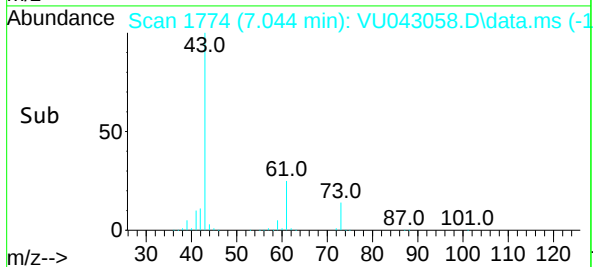
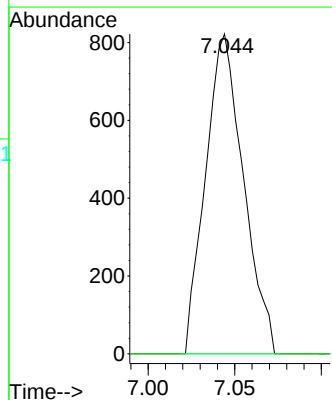
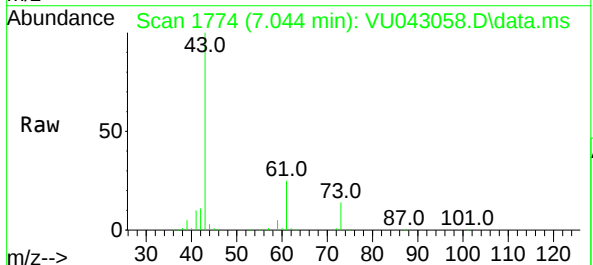
Instrument :
MSVOA_U
ClientSampleId :

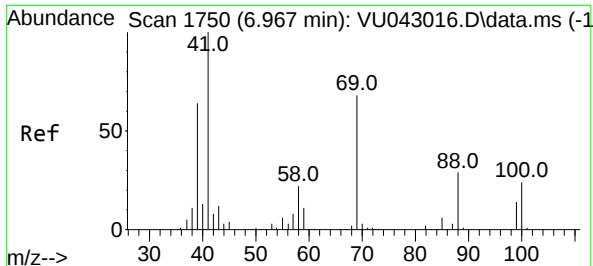
Tgt Ion: 43 Resp: 20687
Ion Ratio Lower Upper
43 100
61 17.0 14.4 21.6
87 10.2 8.8 13.2



#45
1,2-Dichloropropane
Concen: 0.59 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.248 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

Tgt Ion: 63 Resp: 1252
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#





#48

Methyl methacrylate

Concen: 2.30 ug/l

RT: 6.903 min Scan# 1730

Delta R.T. -0.064 min

Lab File: VU043058.D

Acq: 13 Apr 2021 17:45

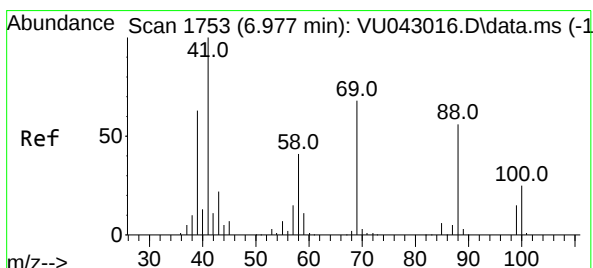
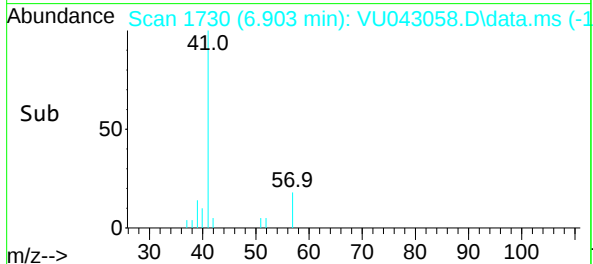
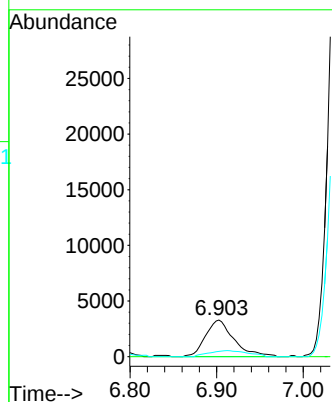
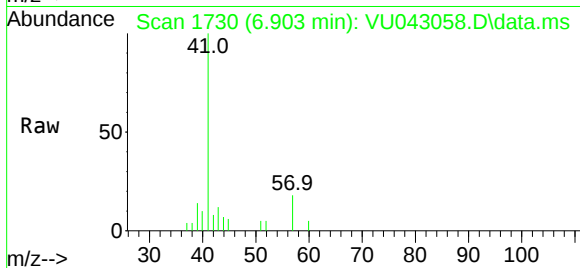
Tgt Ion: 41 Resp: 7502

Ion Ratio Lower Upper

41 100

69 0.0 57.0 85.6#

39 0.0 48.4 72.6#



#49

1,4-Dioxane

Concen: 0.72 ug/l

RT: 7.044 min Scan# 1774

Delta R.T. 0.067 min

Lab File: VU043058.D

Acq: 13 Apr 2021 17:45

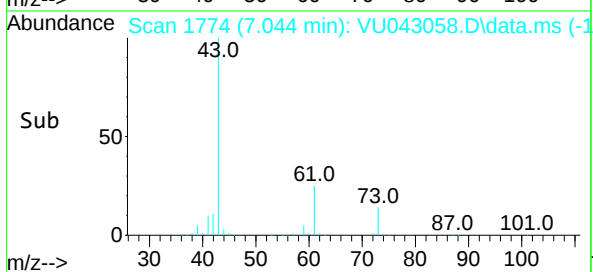
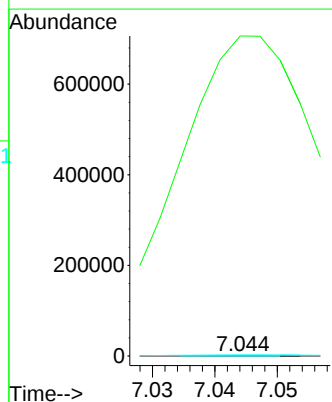
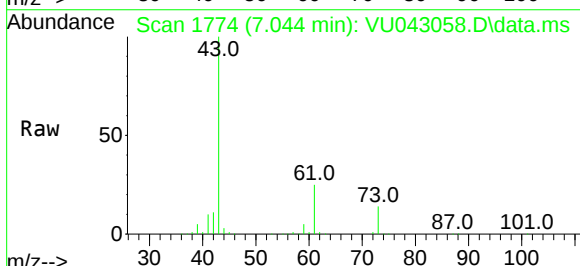
Tgt Ion: 88 Resp: 47

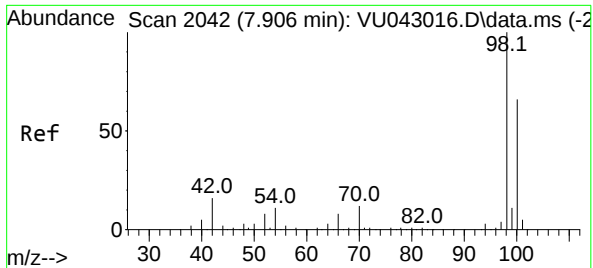
Ion Ratio Lower Upper

88 100

43 2641242.6 0.0 0.0#

58 9236.2 60.4 90.6#

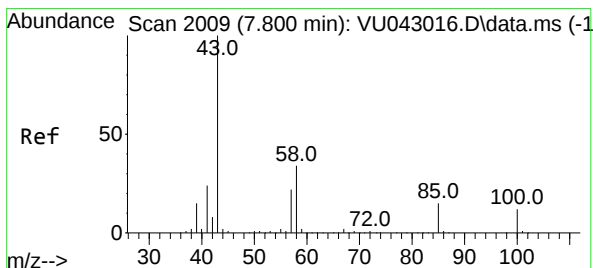
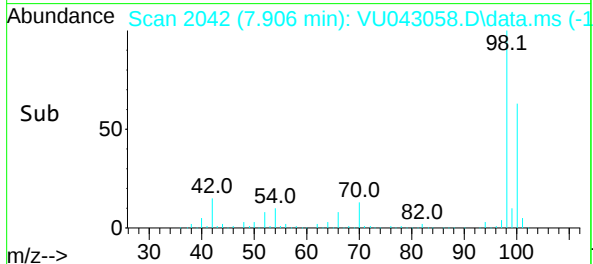
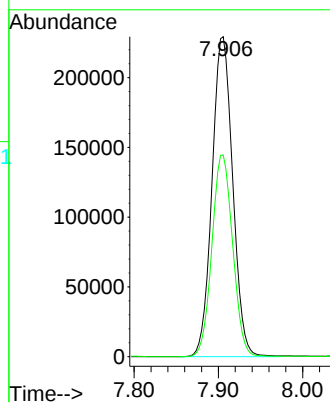
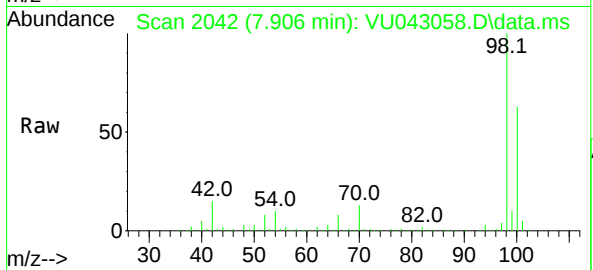




#50
Toluene-d8
Concen: 58.48 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

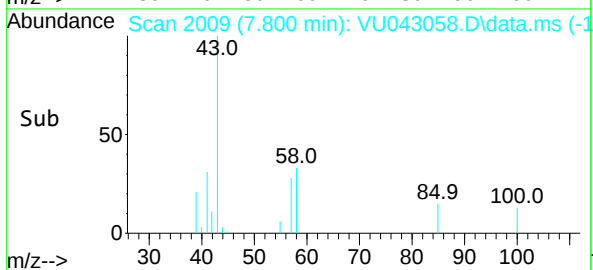
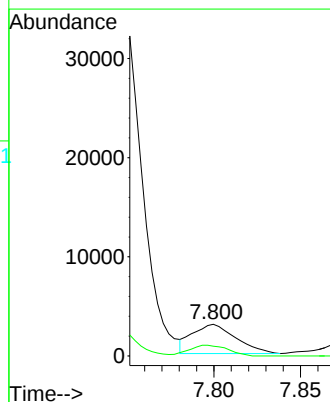
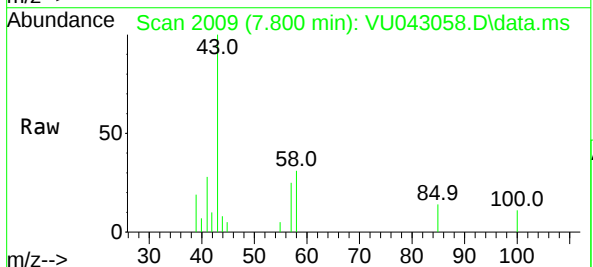
Instrument :
MSVOA_U
ClientSampled :

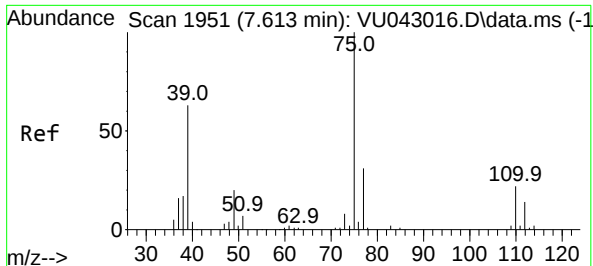
Tgt Ion: 98 Resp: 390827
Ion Ratio Lower Upper
98 100
100 63.4 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.08 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

Tgt Ion: 43 Resp: 5181
Ion Ratio Lower Upper
43 100
58 32.6 28.1 42.1

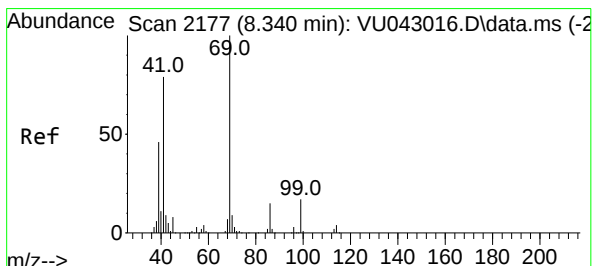
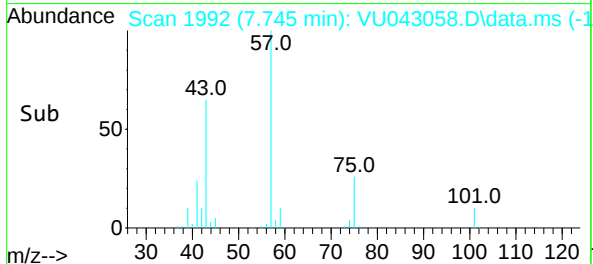
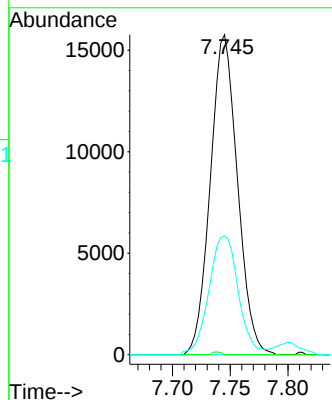
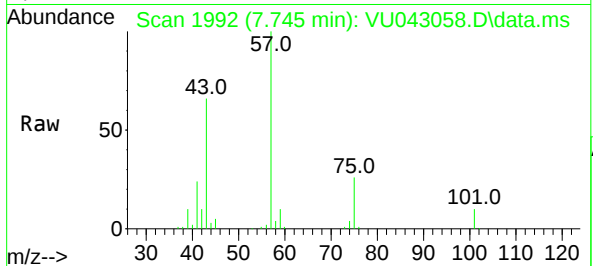




#54
 cis-1,3-Dichloropropene
 Concen: 7.71 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU043058.D
 Acq: 13 Apr 2021 17:45

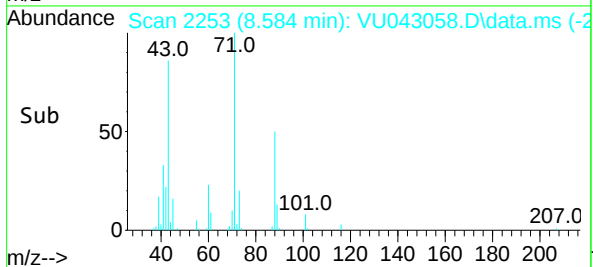
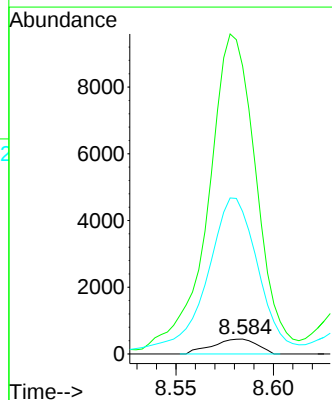
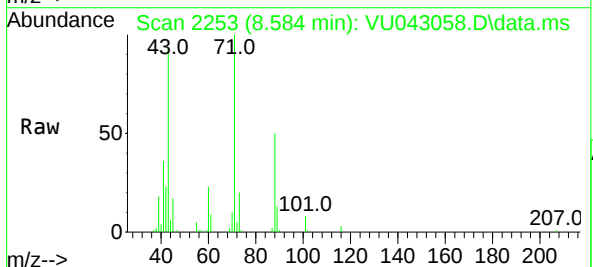
Instrument :
 MSVOA_U
 ClientSampleId :

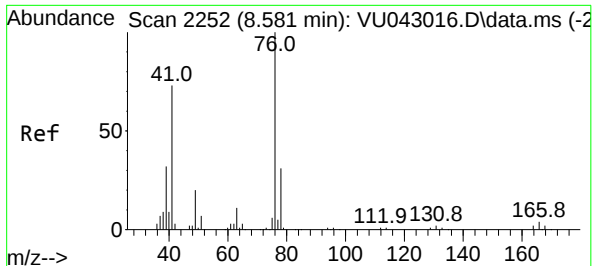
Tgt Ion: 75 Resp: 25769
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 37.1 46.1 69.1#



#56
 Ethyl methacrylate
 Concen: 0.21 ug/l
 RT: 8.584 min Scan# 2253
 Delta R.T. 0.244 min
 Lab File: VU043058.D
 Acq: 13 Apr 2021 17:45

Tgt Ion: 69 Resp: 712
 Ion Ratio Lower Upper
 69 100
 41 2247.1 62.8 94.2#
 39 1233.1 36.2 54.2#





#57

1,3-Dichloropropane

Concen: 4.86 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.151 min

Lab File: VU043058.D

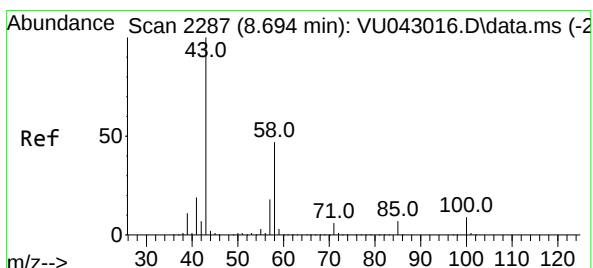
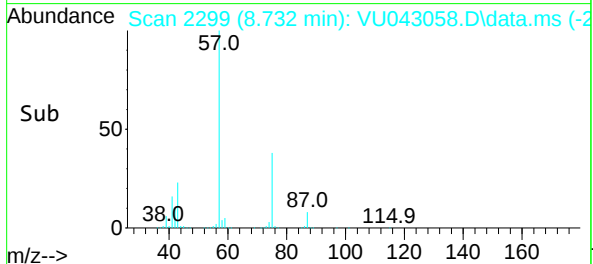
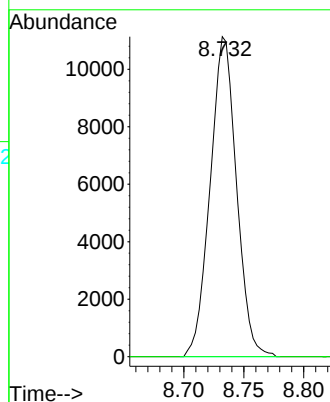
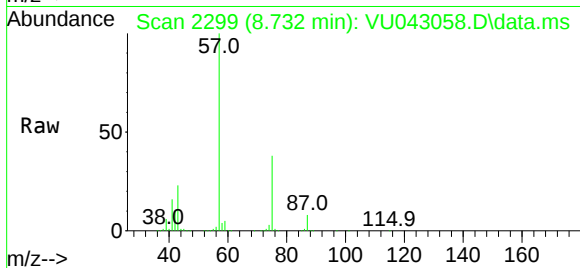
Acq: 13 Apr 2021 17:45

Tgt Ion: 76 Resp: 17016

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 75.87 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.038 min

Lab File: VU043058.D

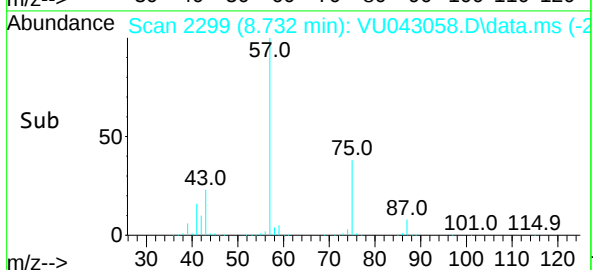
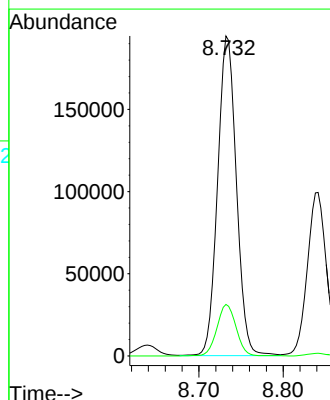
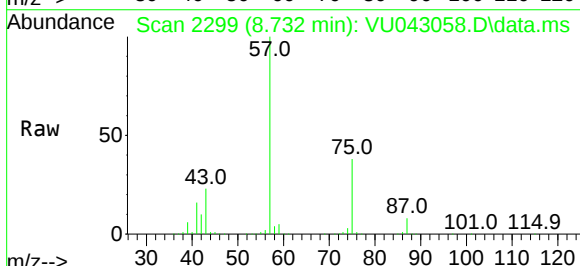
Acq: 13 Apr 2021 17:45

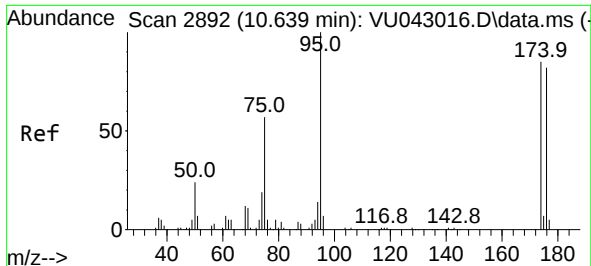
Tgt Ion: 43 Resp: 300546

Ion Ratio Lower Upper

43 100

58 16.5 24.0 72.0#

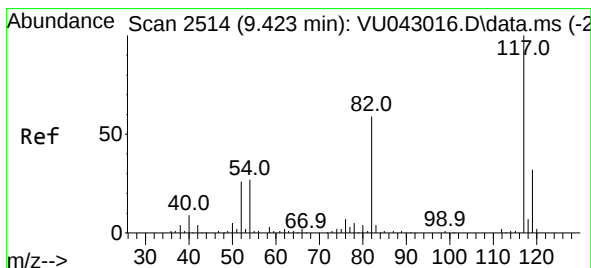
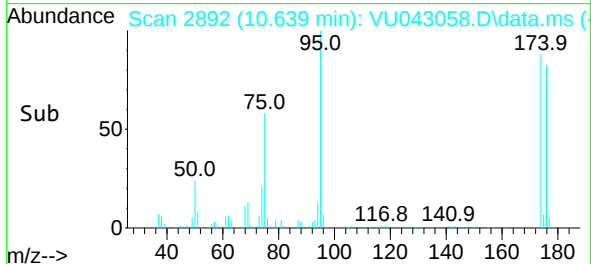
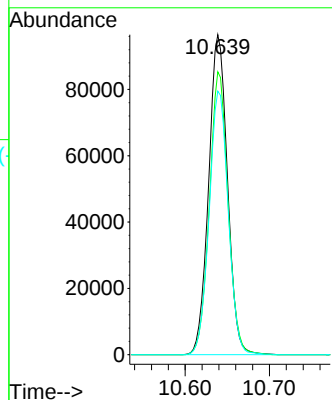
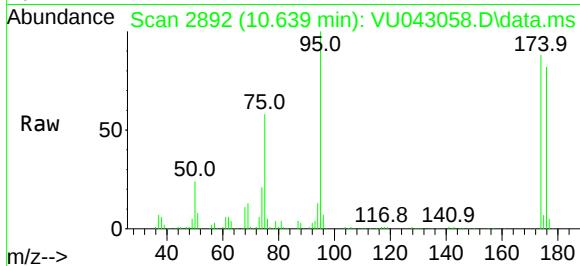




#62
4-Bromofluorobenzene
Concen: 56.08 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

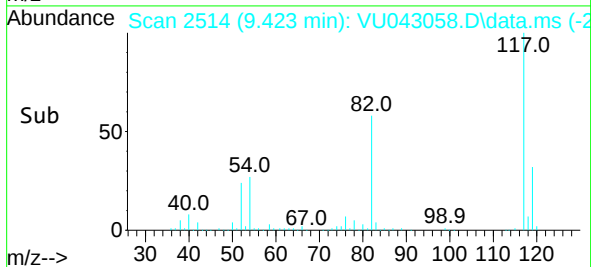
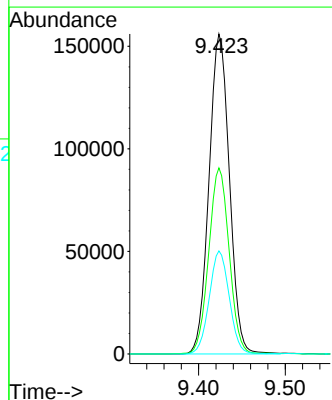
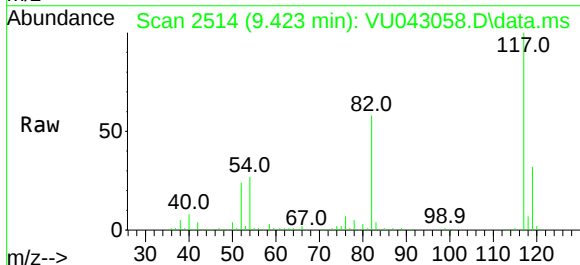
Instrument :
MSVOA_U
ClientSampleId :

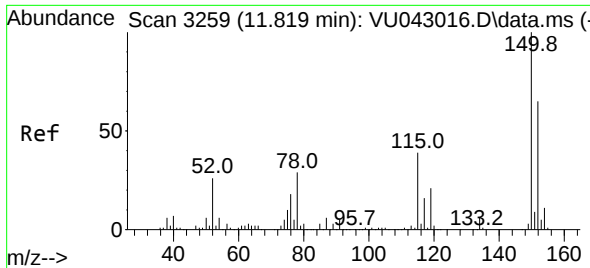
Tgt Ion: 95 Resp: 150074
Ion Ratio Lower Upper
95 100
174 87.5 0.0 172.2
176 83.3 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

Tgt Ion: 117 Resp: 255118
Ion Ratio Lower Upper
117 100
82 58.1 45.8 68.6
119 32.2 25.8 38.8

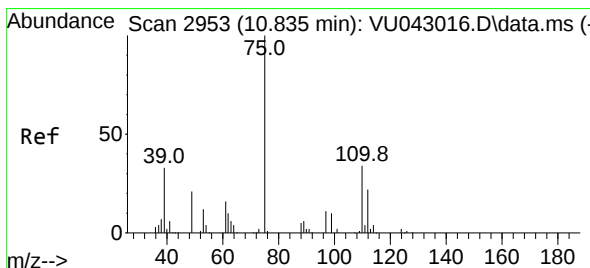
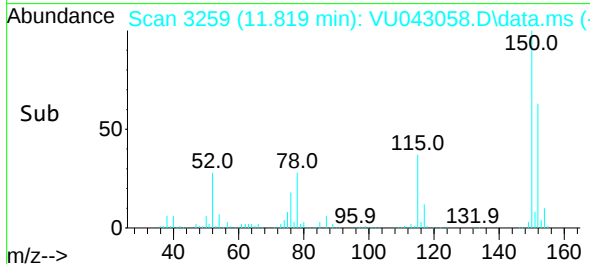
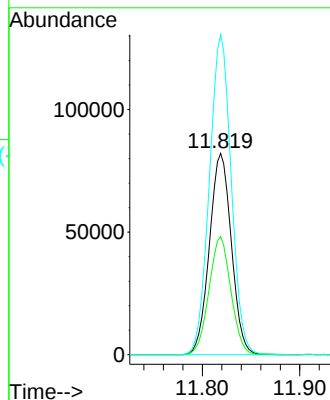
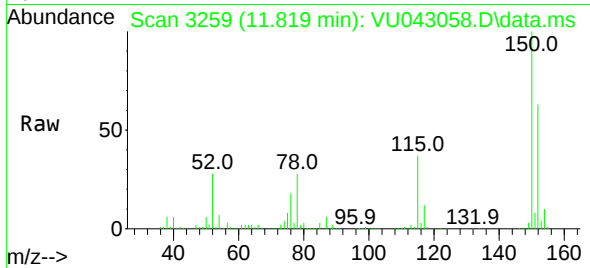




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043058.D
 Acq: 13 Apr 2021 17:45

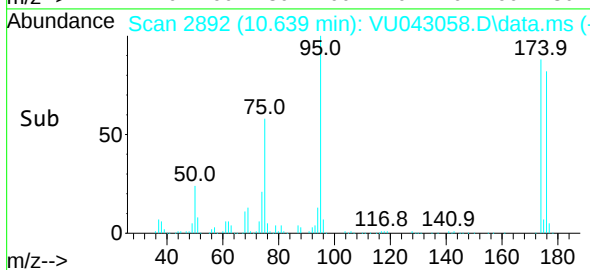
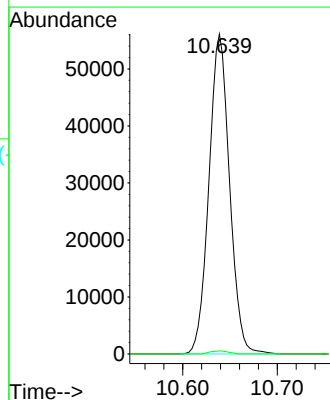
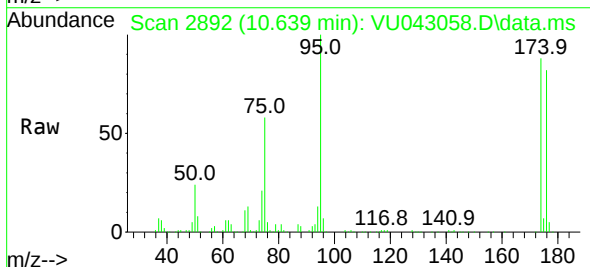
Instrument :
 MSVOA_U
 ClientSampled :

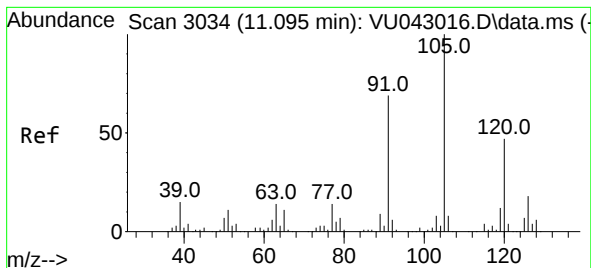
Tgt Ion:152 Resp: 128608
 Ion Ratio Lower Upper
 152 100
 115 58.4 41.5 124.6
 150 157.8 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 22.64 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.196 min
 Lab File: VU043058.D
 Acq: 13 Apr 2021 17:45

Tgt Ion: 75 Resp: 85085
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.2 60.5#

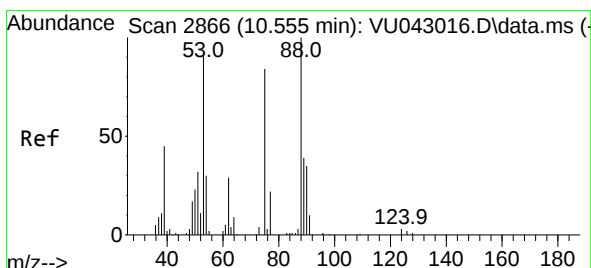
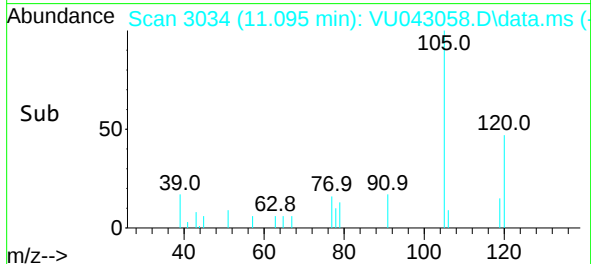
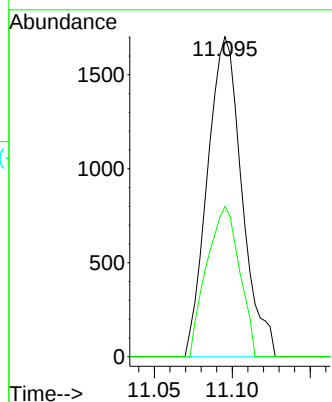
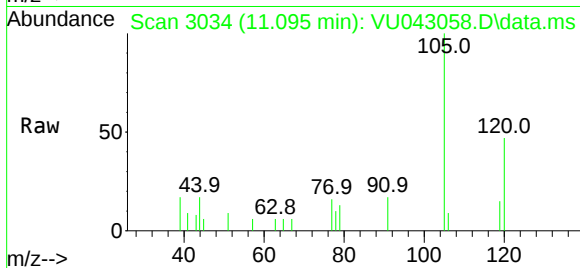




#80
1,3,5-Trimethylbenzene
Concen: 0.34 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

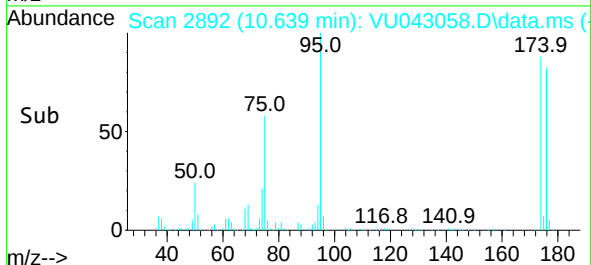
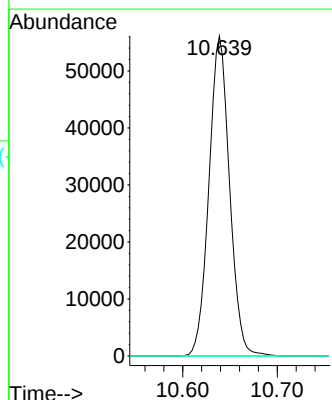
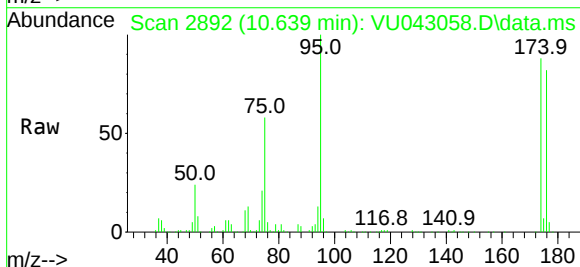
Instrument :
MSVOA_U
ClientSampled :

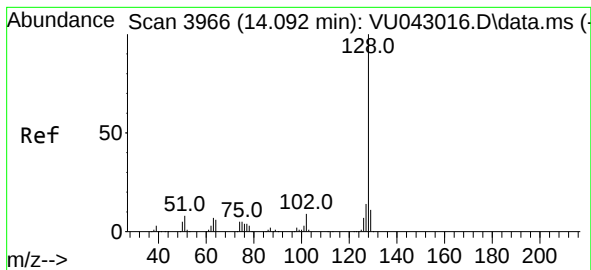
Tgt Ion:105 Resp: 2614
Ion Ratio Lower Upper
105 100
120 44.6 23.8 71.4



#81
trans-1,4-Dichloro-2-butene
Concen: 66.53 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

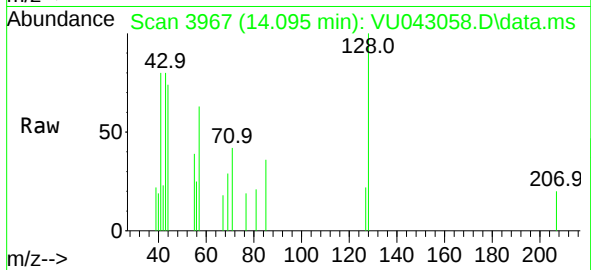
Tgt Ion: 75 Resp: 85085
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#





#95
Naphthalene
Concen: 2.83 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043058.D
Acq: 13 Apr 2021 17:45

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	927
Ion	Ratio	Lower	Upper
128	100		
127	16.5	10.8	16.2#
129	0.0	8.6	13.0#

