

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041321\
 Data File : VU043054.D
 Acq On : 13 Apr 2021 16:13
 Operator : SY/MD
 Sample : PB135659TB
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 03:51:26 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)

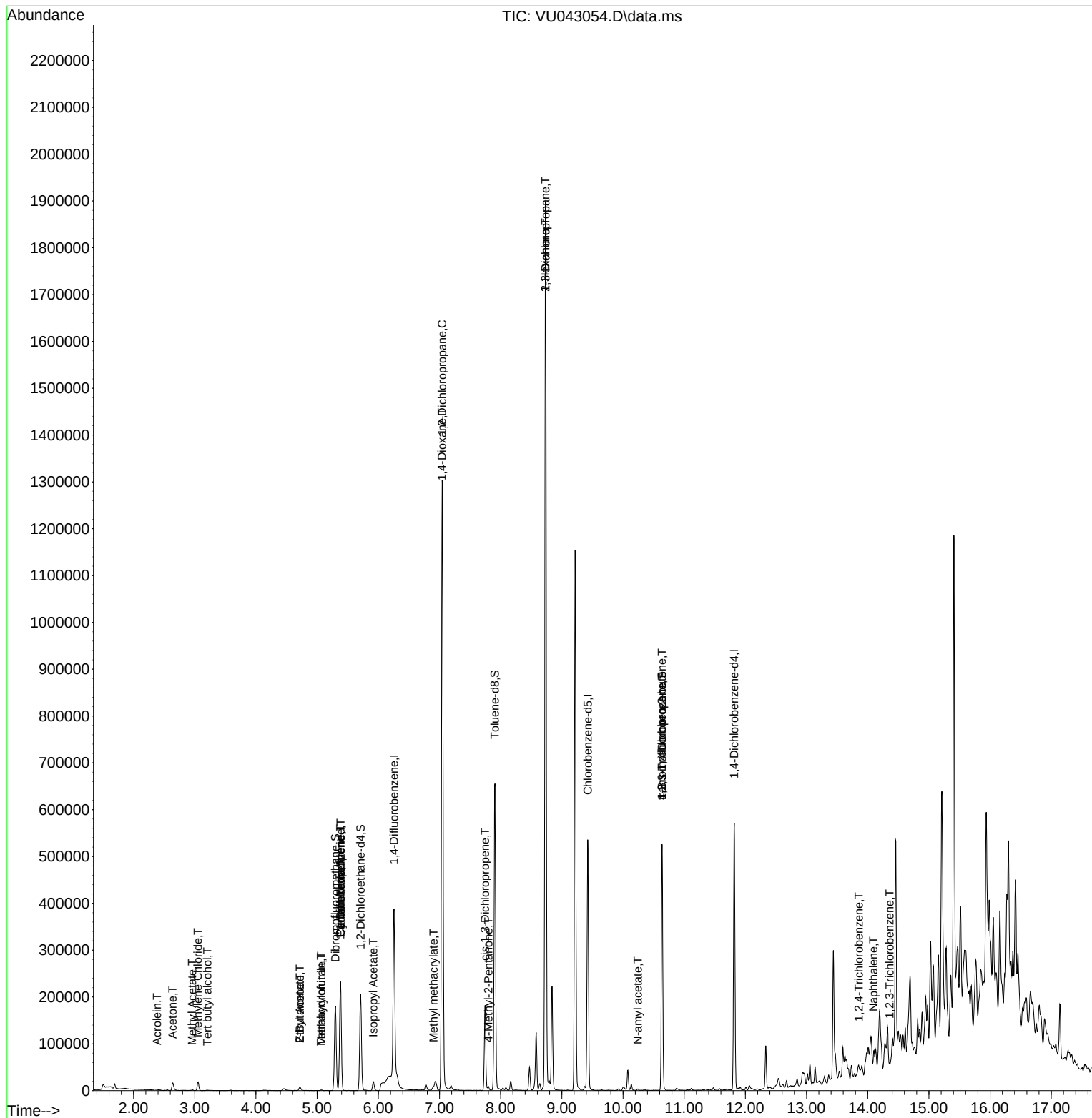
Internal Standards						
1) Pentafluorobenzene	5.382	168	158239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	267308	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	265823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	140530	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	158976	59.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.52%	
35) Dibromofluoromethane	5.298	113	112711	56.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.22%	
50) Toluene-d8	7.906	98	403695	56.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.60%	
62) 4-Bromofluorobenzene	10.639	95	157679	55.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.80%	
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	920	Below Cal	#	69
11) Tert butyl alcohol	3.208	59	968	1.41	ug/l #	94
13) Acrolein	2.382	56	22	10.47	ug/l #	14
16) Acetone	2.639	43	23730	14.87	ug/l	98
18) Methyl Acetate	2.958	43	2214	0.67	ug/l #	67
20) Methylene Chloride	3.051	84	8071	4.27	ug/l	94
25) 2-Butanone	4.716	43	12262	5.07	ug/l	99
29) Tetrahydrofuran	5.067	42	1072	0.70	ug/l #	74
31) Cyclohexane	5.382	56	4006	1.22	ug/l #	35
36) 1,1-Dichloropropene	5.379	75	13226	4.66	ug/l #	50
37) Ethyl Acetate	4.716	43	12262	2.53	ug/l #	71
38) Carbon Tetrachloride	5.382	117	16266	5.35	ug/l #	16
41) Methacrylonitrile	5.070	41	584	0.23	ug/l #	49
43) Isopropyl Acetate	5.919	43	21553	3.12	ug/l	97
45) 1,2-Dichloropropane	7.044	63	1244	0.55	ug/l #	43
48) Methyl methacrylate	6.903	41	8866	2.55	ug/l #	17
49) 1,4-Dioxane	7.041	88	87	1.25	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	5892	1.15	ug/l #	87
54) cis-1,3-Dichloropropene	7.745	75	27081	7.62	ug/l #	68
57) 1,3-Dichloropropane	8.732	76	16927	4.55	ug/l #	43
59) 2-Hexanone	8.732	43	302269	71.75	ug/l #	54
74) N-amyl acetate	10.243	43	1834	0.30	ug/l #	59
76) 1,2,3-Trichloropropane	10.639	75	89011	21.68	ug/l #	36
81) trans-1,4-Dichloro-2-b...	10.639	75	89011	63.69	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.854	180	94	1.53	ug/l #	1
95) Naphthalene	14.092	128	4216	3.13	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.356	180	1492	1.92	ug/l #	1

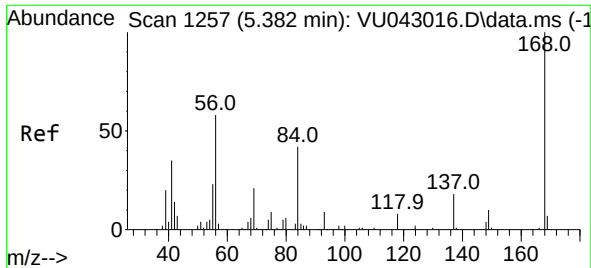
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041321\
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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

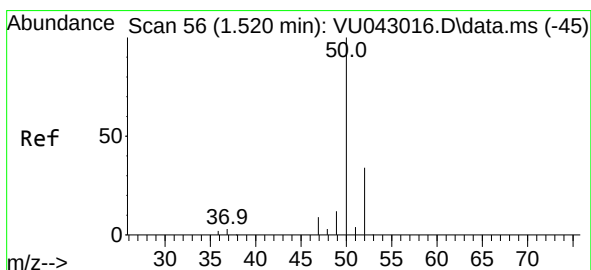
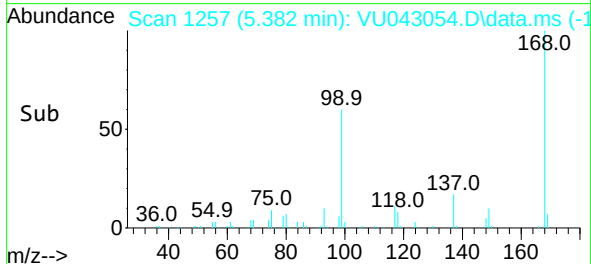
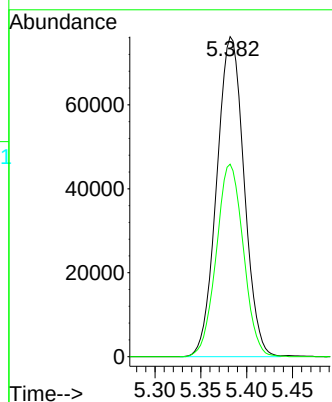
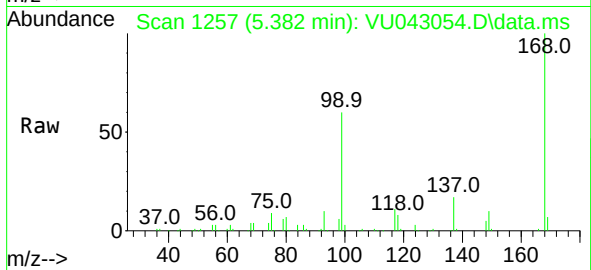




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

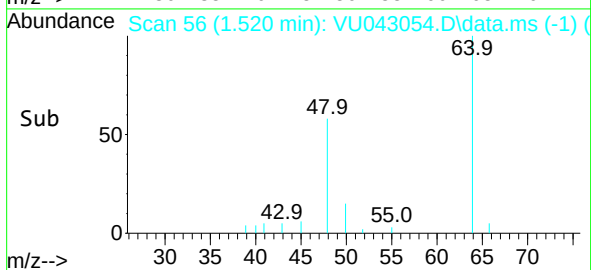
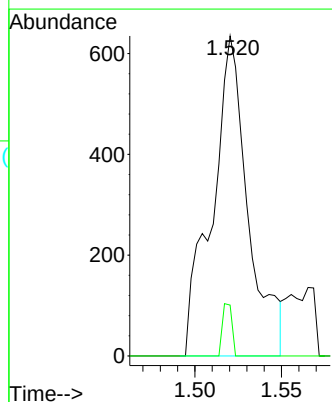
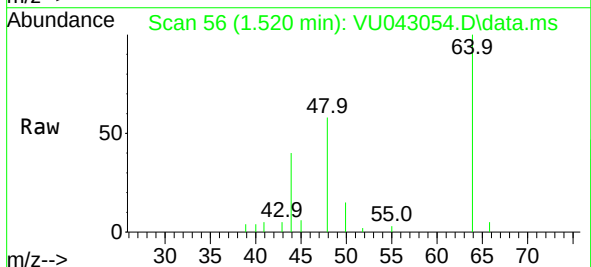
Instrument :
MSVOA_U
ClientSampled :

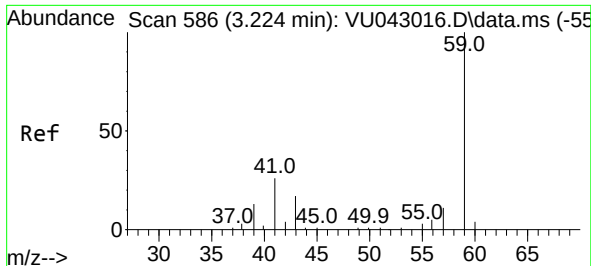
Tgt Ion:168 Resp: 158239
Ion Ratio Lower Upper
168 100
99 60.1 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

Tgt Ion: 50 Resp: 920
Ion Ratio Lower Upper
50 100
52 15.9 26.6 40.0#



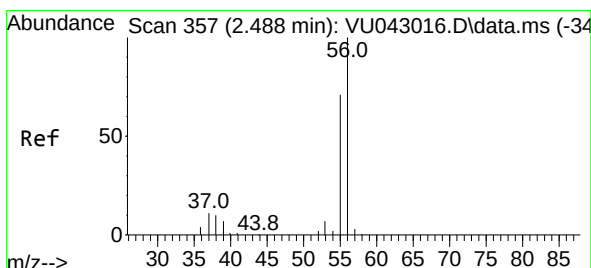
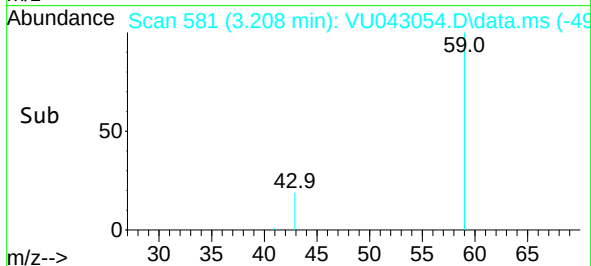
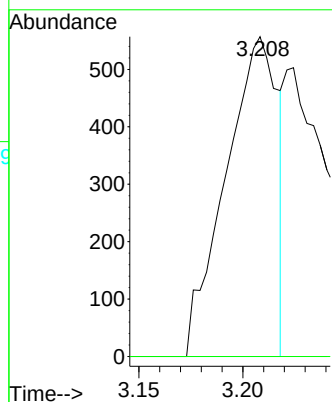
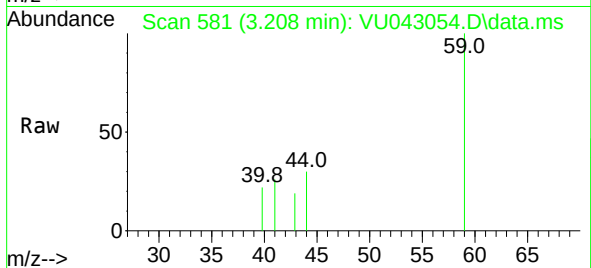


#11

Tert butyl alcohol
Concen: 1.41 ug/l
RT: 3.208 min Scan# 581
Delta R.T. -0.016 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

Instrument :
MSVOA_U
ClientSampled :

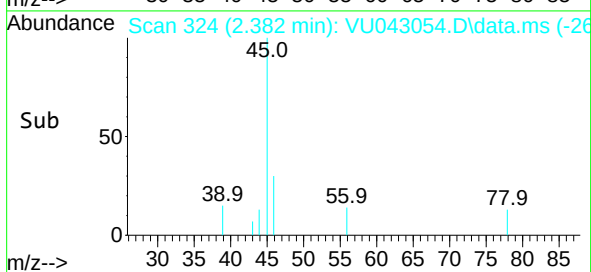
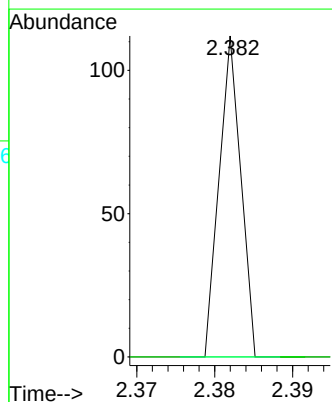
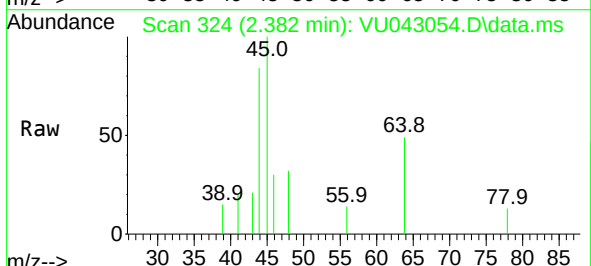
Tgt Ion: 59 Resp: 968
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#

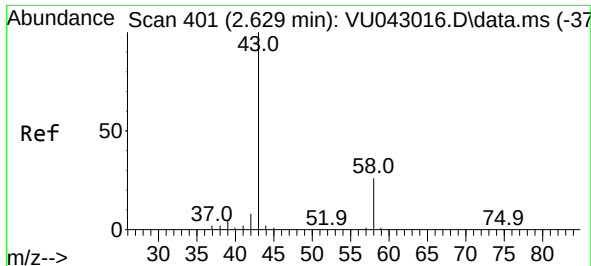


#13

Acrolein
Concen: 10.47 ug/l
RT: 2.382 min Scan# 324
Delta R.T. -0.106 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

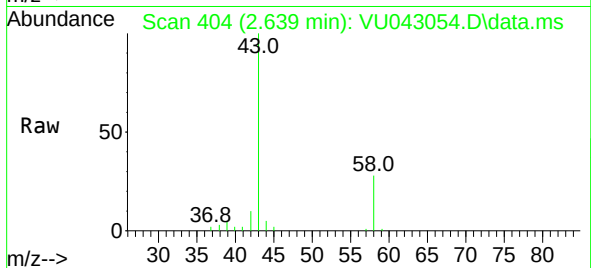
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#



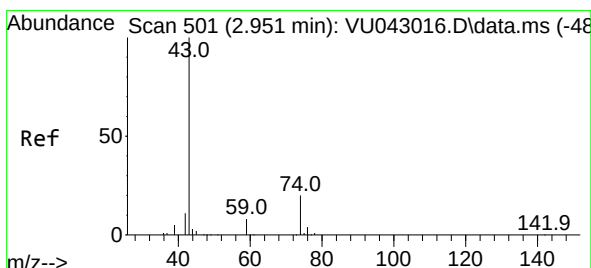
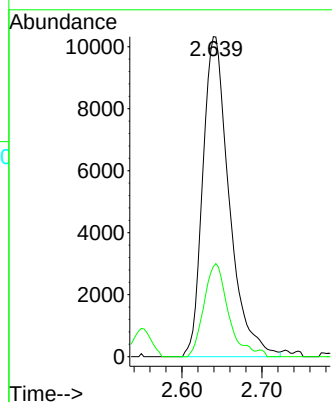
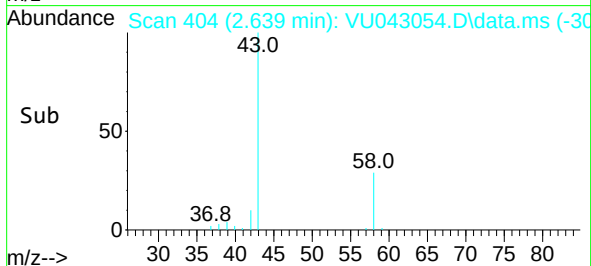


#16
Acetone
Concen: 14.87 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.010 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

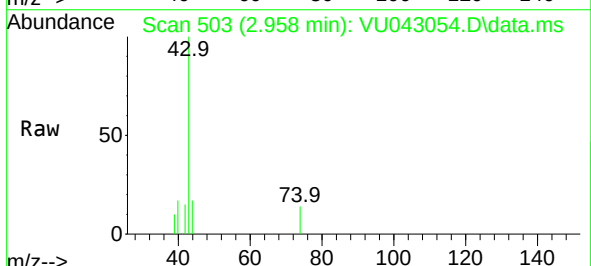
Instrument :
MSVOA_U
ClientSampled :



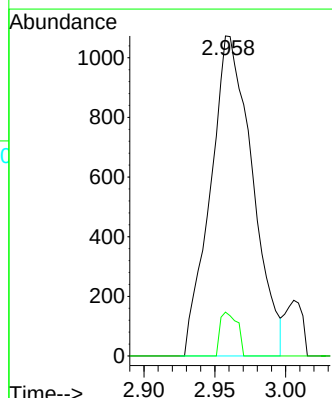
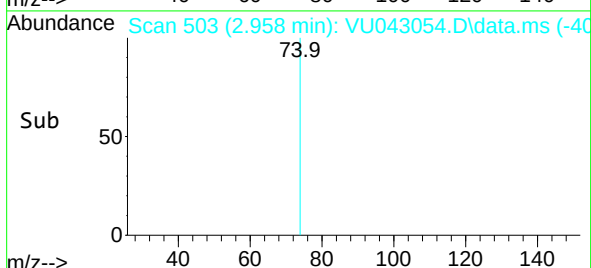
Tgt Ion: 43 Resp: 23730
Ion Ratio Lower Upper
43 100
58 28.2 21.5 32.3

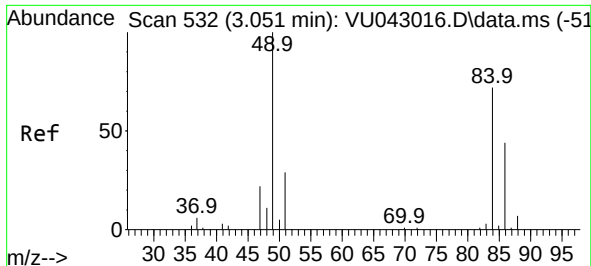


#18
Methyl Acetate
Concen: 0.67 ug/l
RT: 2.958 min Scan# 503
Delta R.T. 0.007 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13



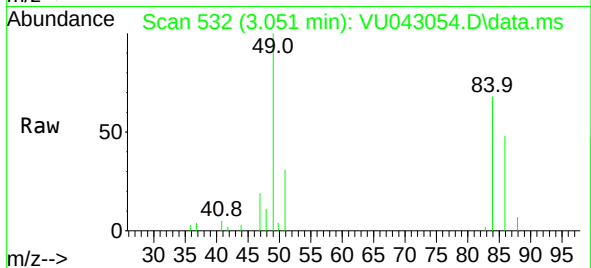
Tgt Ion: 43 Resp: 2214
Ion Ratio Lower Upper
43 100
74 5.6 16.6 25.0#



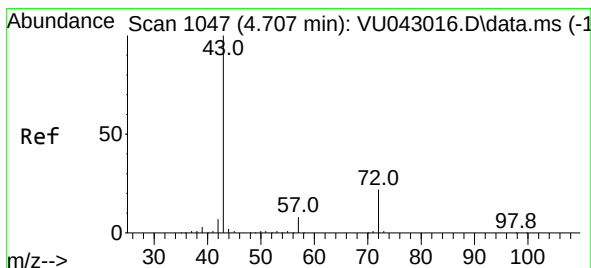
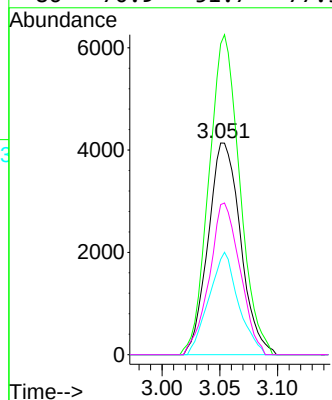
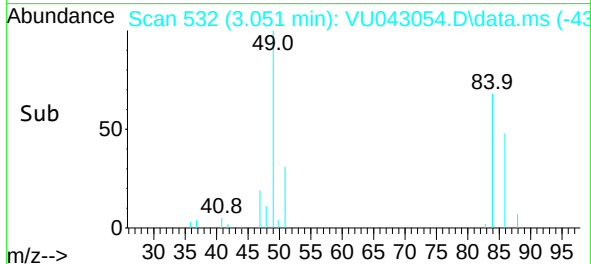


#20
Methylene Chloride
Concen: 4.27 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

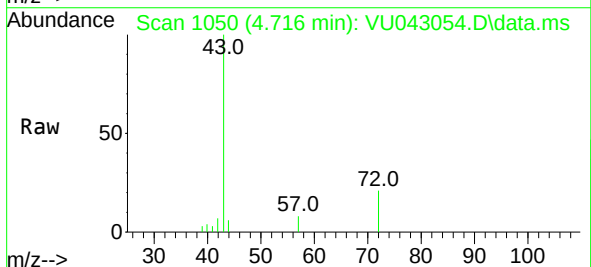
Instrument :
MSVOA_U
ClientSampleId :



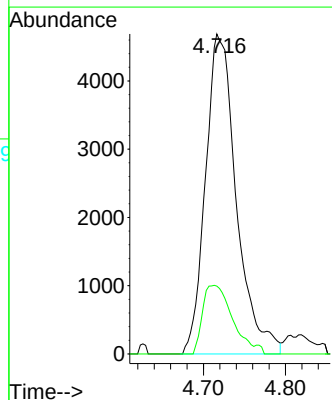
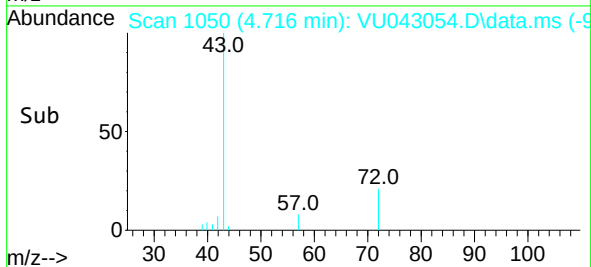
Tgt Ion:	84	Resp:	8071
Ion	Ratio	Lower	Upper
84	100		
49	146.9	112.6	169.0
51	45.0	33.7	50.5
86	70.9	51.7	77.5

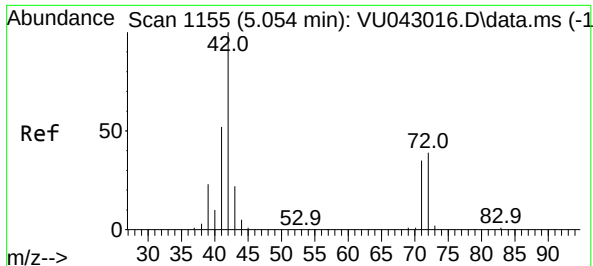


#25
2-Butanone
Concen: 5.07 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.009 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13



Tgt Ion:	43	Resp:	12262
Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.4	26.0





#29

Tetrahydrofuran

Concen: 0.70 ug/l

RT: 5.067 min Scan# 1159

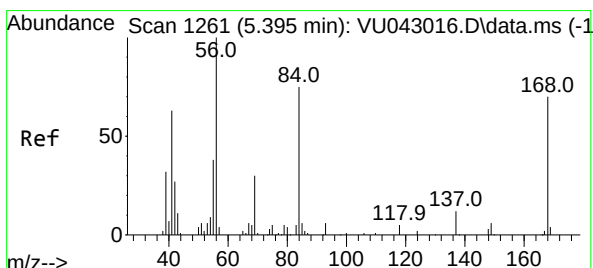
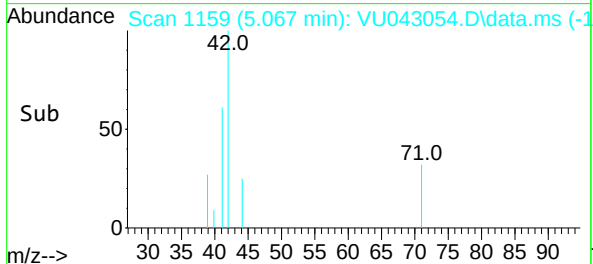
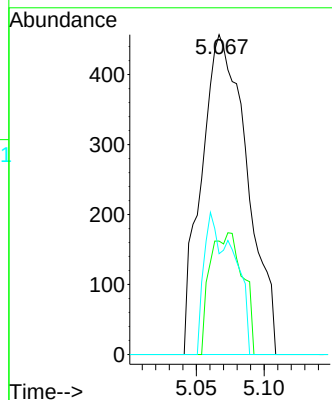
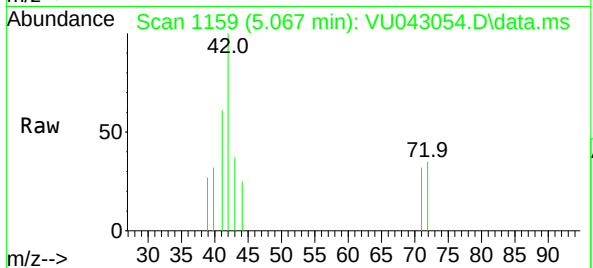
Delta R.T. 0.013 min

Lab File: VU043054.D

Acq: 13 Apr 2021 16:13

Tgt Ion:	42	Resp:	1072
Ion	Ratio	Lower	Upper
42	100		
72	27.4	31.5	47.3#
71	16.9	29.5	44.3#

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 1.22 ug/l

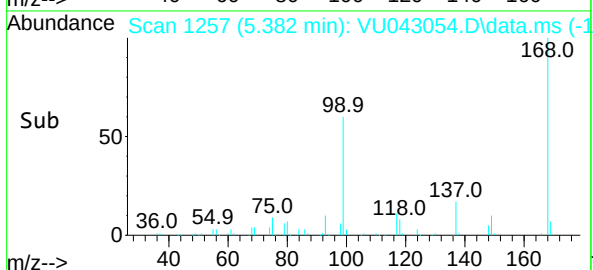
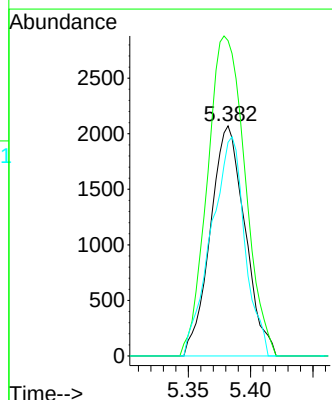
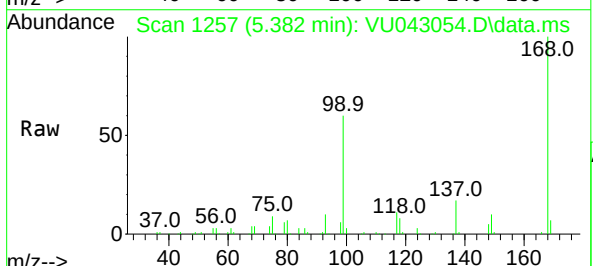
RT: 5.382 min Scan# 1257

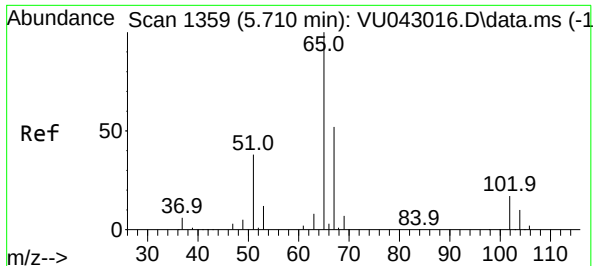
Delta R.T. -0.013 min

Lab File: VU043054.D

Acq: 13 Apr 2021 16:13

Tgt Ion:	56	Resp:	4006
Ion	Ratio	Lower	Upper
56	100		
69	137.0	24.9	37.3#
84	92.8	63.7	95.5





#33

1,2-Dichloroethane-d4

Concen: 59.76 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU043054.D

Acq: 13 Apr 2021 16:13

Tgt Ion: 65 Resp: 158976

Ion Ratio Lower Upper

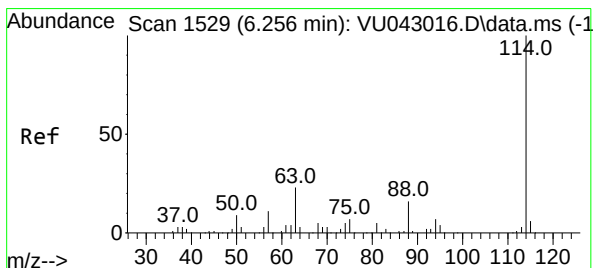
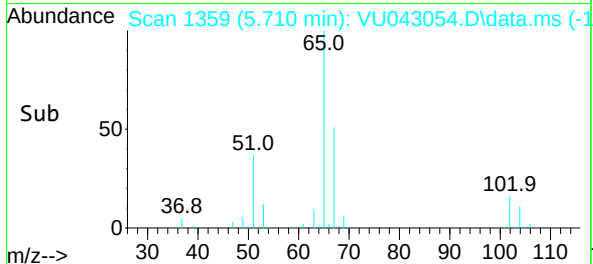
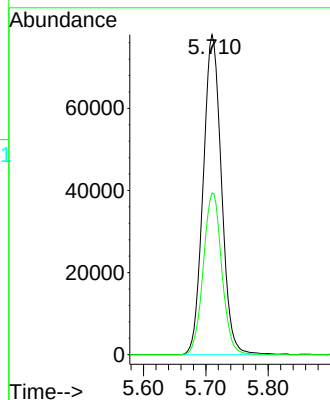
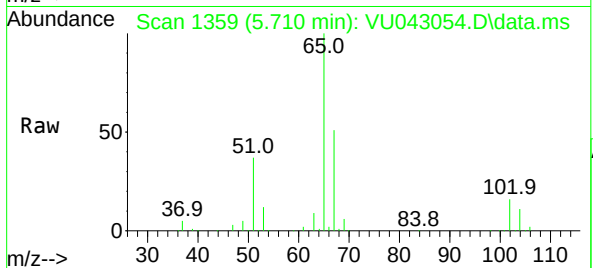
65 100

67 51.2 0.0 99.8

Instrument :

MSVOA_U

ClientSampleId :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043054.D

Acq: 13 Apr 2021 16:13

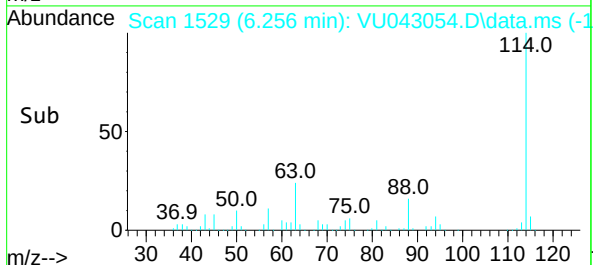
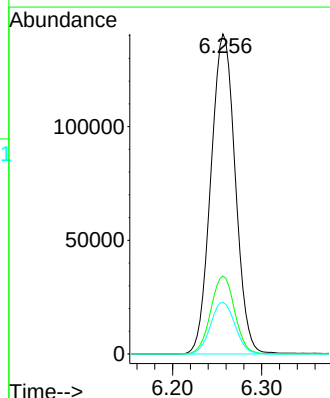
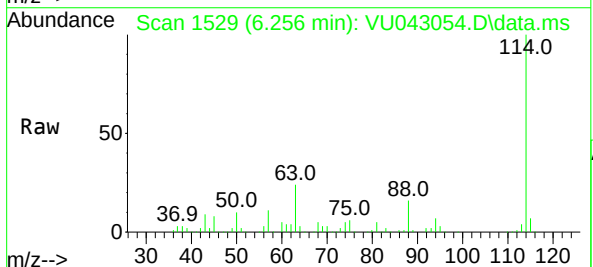
Tgt Ion: 114 Resp: 267308

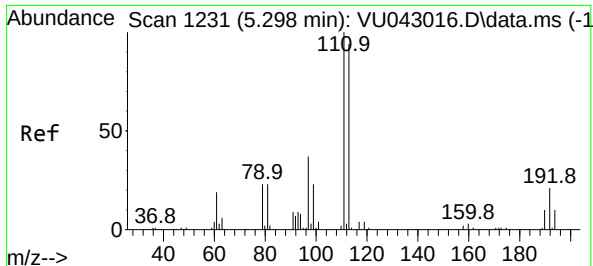
Ion Ratio Lower Upper

114 100

63 24.3 0.0 44.2

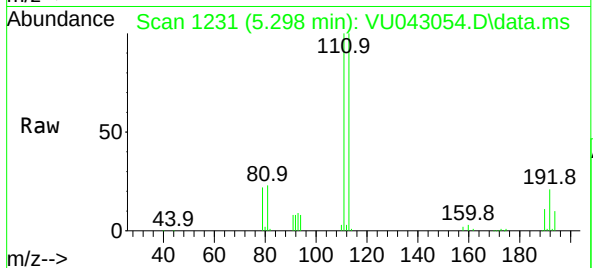
88 16.2 0.0 33.4



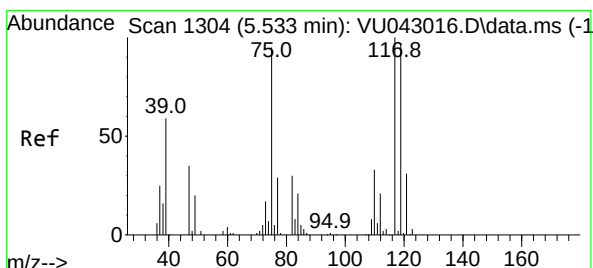
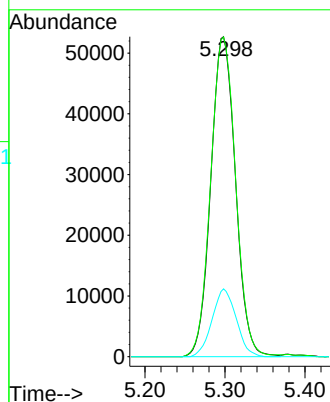
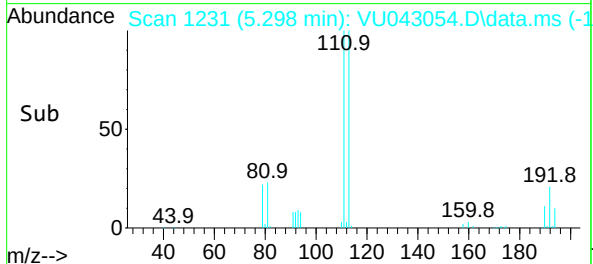


#35
Dibromofluoromethane
Concen: 56.11 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

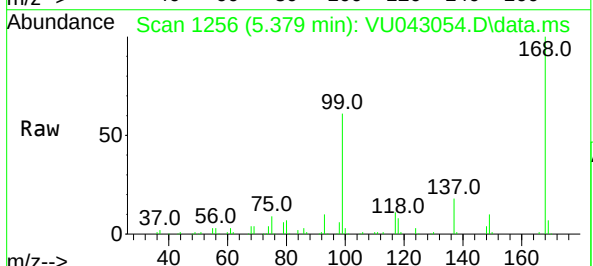
Instrument :
MSVOA_U
ClientSampleId :



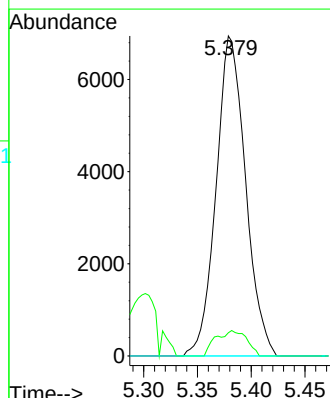
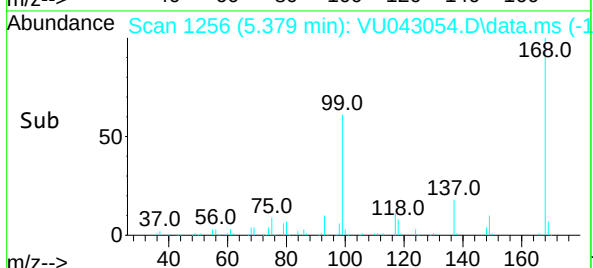
Tgt Ion:113 Resp: 112711
Ion Ratio Lower Upper
113 100
111 101.2 81.8 122.8
192 20.7 17.2 25.8

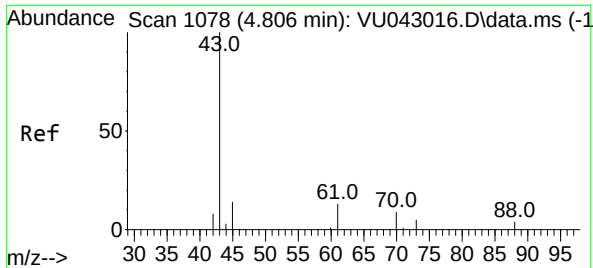


#36
1,1-Dichloropropene
Concen: 4.66 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13



Tgt Ion: 75 Resp: 13226
Ion Ratio Lower Upper
75 100
110 8.3 16.8 50.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.53 ug/l

RT: 4.716 min Scan# 1050

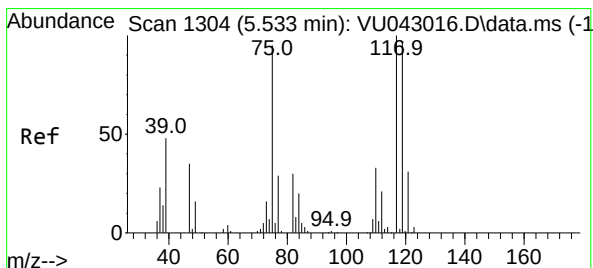
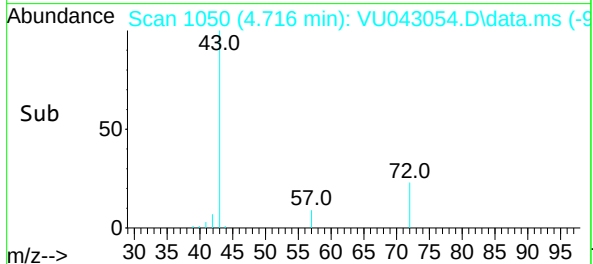
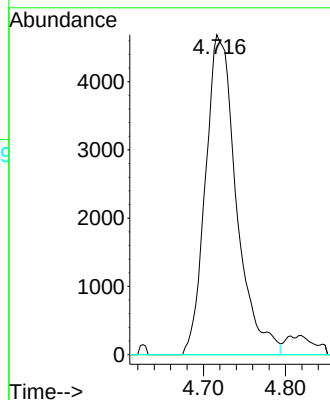
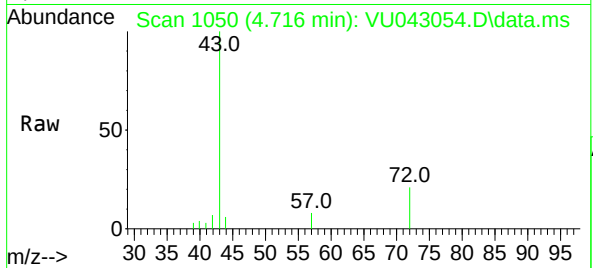
Delta R.T. -0.090 min

Lab File: VU043054.D

Acq: 13 Apr 2021 16:13

Tgt Ion:	43	Resp:	12262
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	0.0	7.2	10.8#

Instrument :
MSVOA_U
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.35 ug/l

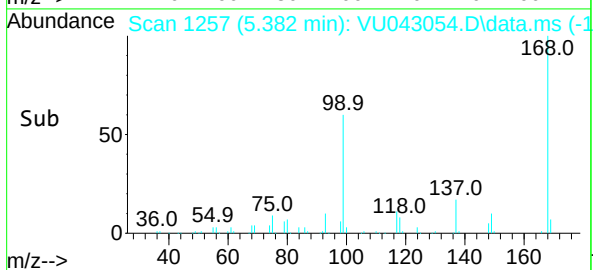
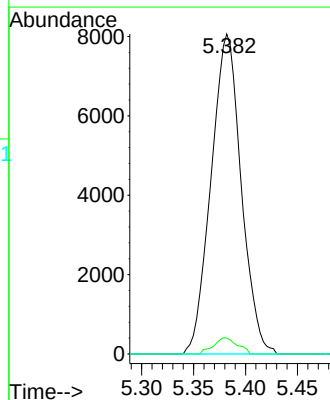
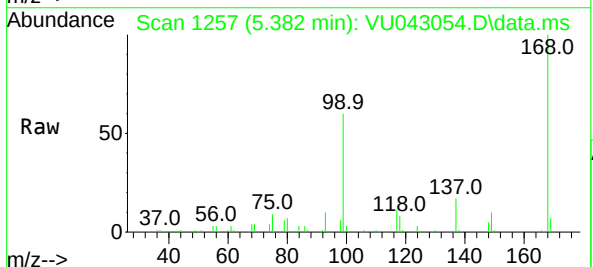
RT: 5.382 min Scan# 1257

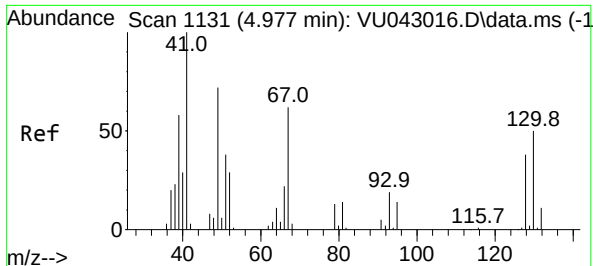
Delta R.T. -0.151 min

Lab File: VU043054.D

Acq: 13 Apr 2021 16:13

Tgt Ion:	117	Resp:	16266
Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.5	113.3#
121	0.0	24.7	37.1#

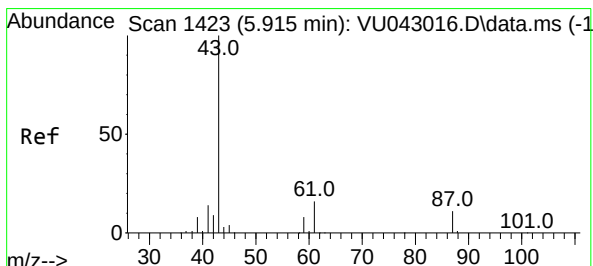
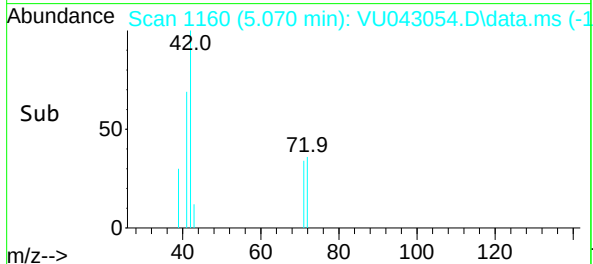
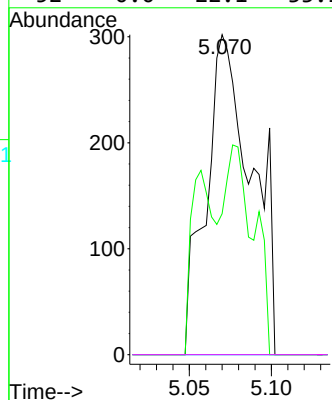
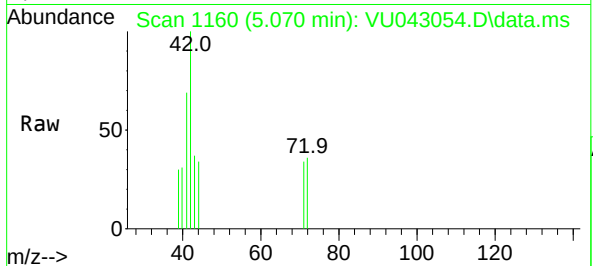




#41
Methacrylonitrile
Concen: 0.23 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.093 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

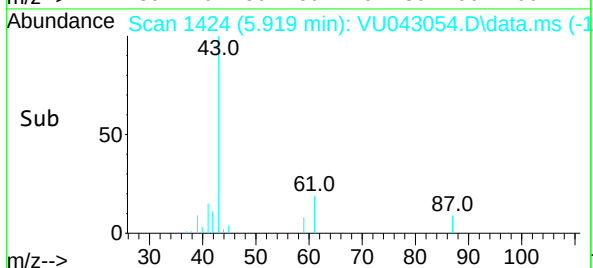
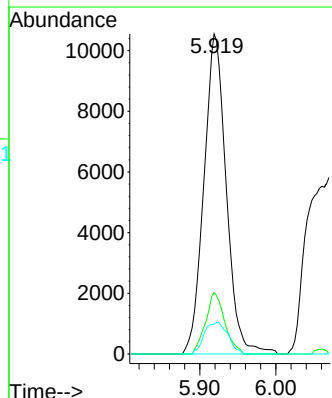
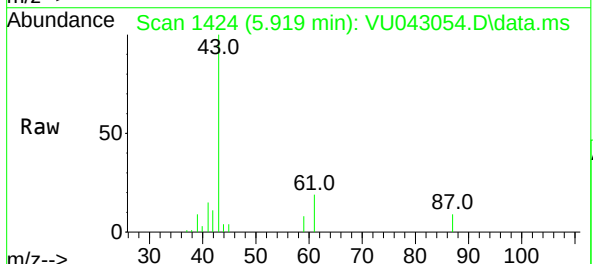
Instrument :
MSVOA_U
ClientSampled :

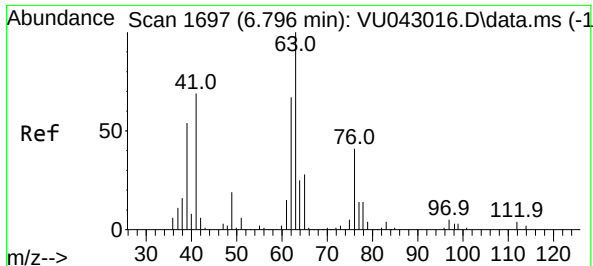
Tgt Ion: 41 Resp: 584
Ion Ratio Lower Upper
41 100
39 43.3 45.1 67.7#
67 0.0 50.2 75.2#
52 0.0 22.1 33.1#



#43
Isopropyl Acetate
Concen: 3.12 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.004 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

Tgt Ion: 43 Resp: 21553
Ion Ratio Lower Upper
43 100
61 16.4 14.4 21.6
87 10.4 8.8 13.2

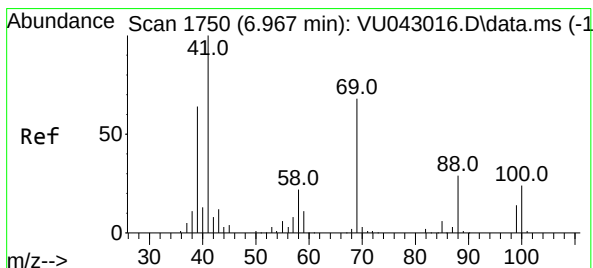
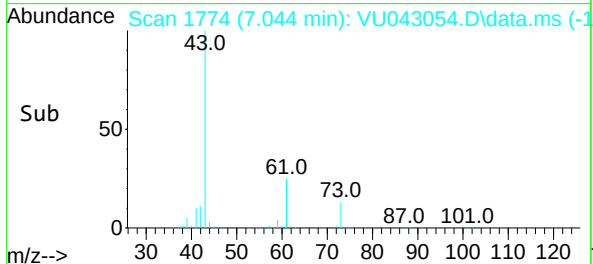
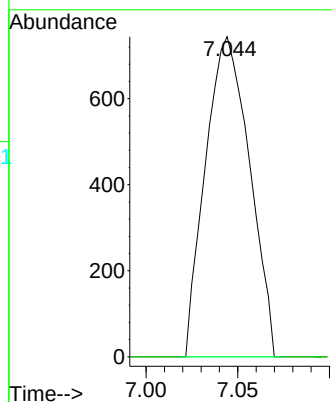
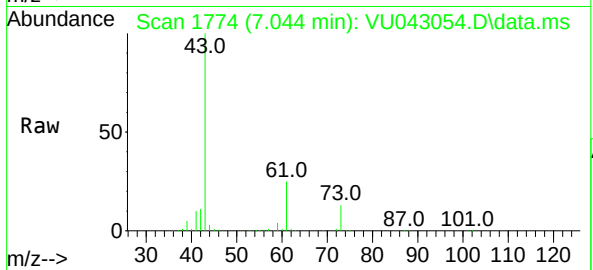




#45
1,2-Dichloropropane
Concen: 0.55 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.248 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

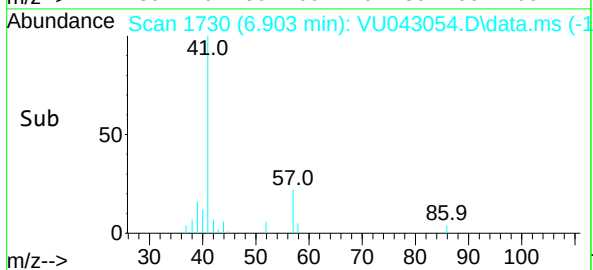
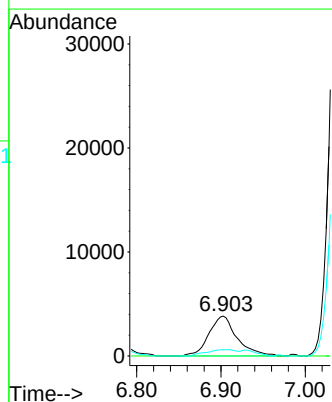
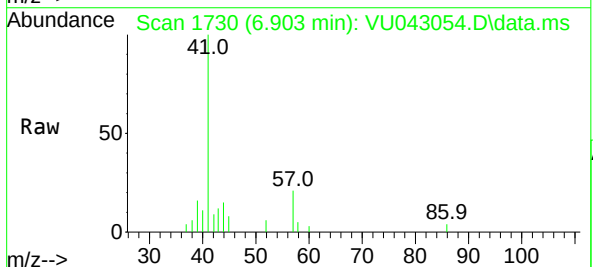
Instrument :
MSVOA_U
ClientSampled :

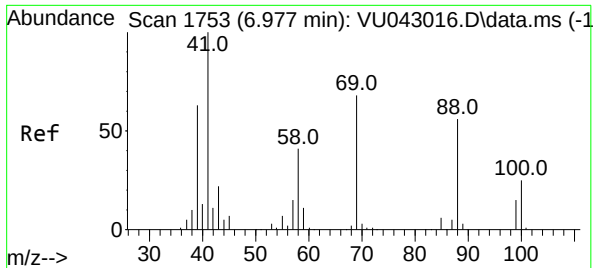
Tgt Ion: 63 Resp: 1244
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#



#48
Methyl methacrylate
Concen: 2.55 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.064 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

Tgt Ion: 41 Resp: 8866
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: 1.25 ug/l

RT: 7.041 min Scan# 1773

Delta R.T. 0.064 min

Lab File: VU043054.D

Acq: 13 Apr 2021 16:13

Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

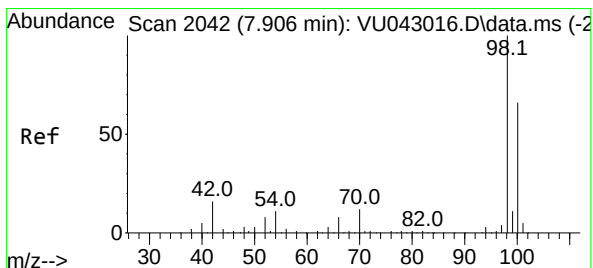
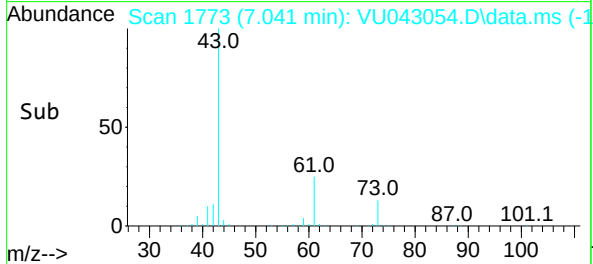
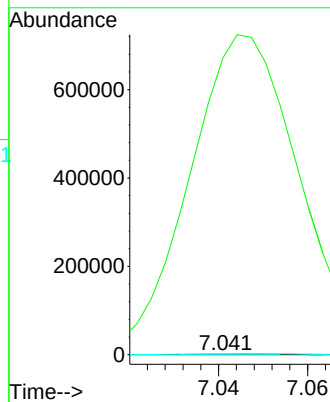
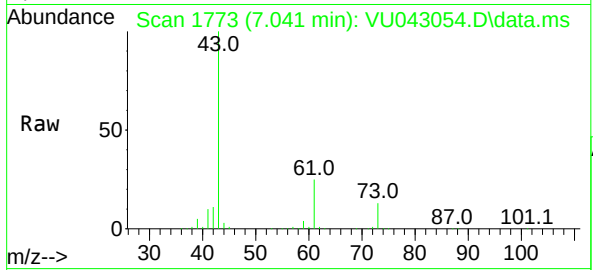
43 1463088.5 0.0 0.0#

58 5475.9 60.4 90.6#

Instrument :

MSVOA_U

ClientSampled :



#50

Toluene-d8

Concen: 56.80 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU043054.D

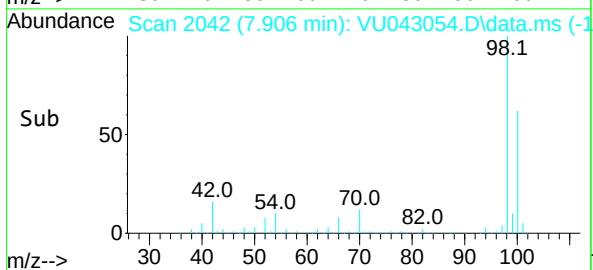
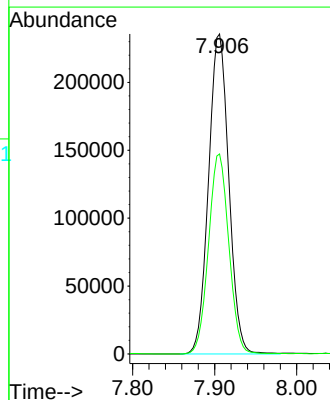
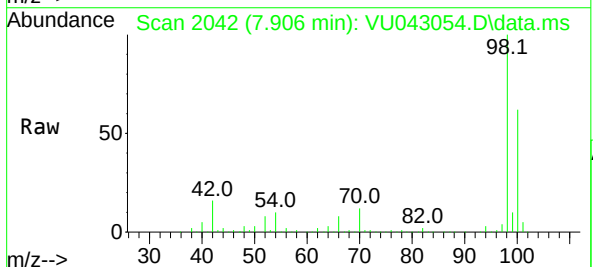
Acq: 13 Apr 2021 16:13

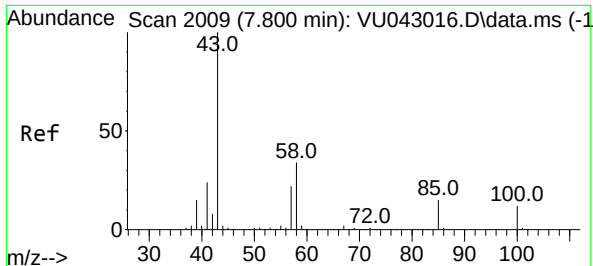
Tgt Ion: 98 Resp: 403695

Ion Ratio Lower Upper

98 100

100 62.6 50.2 75.2

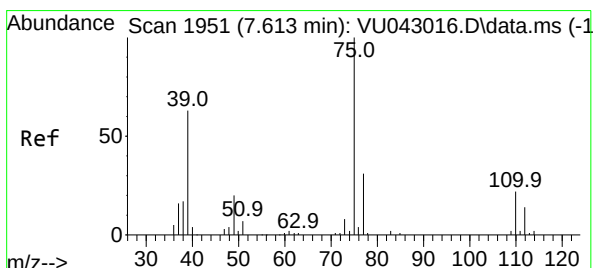
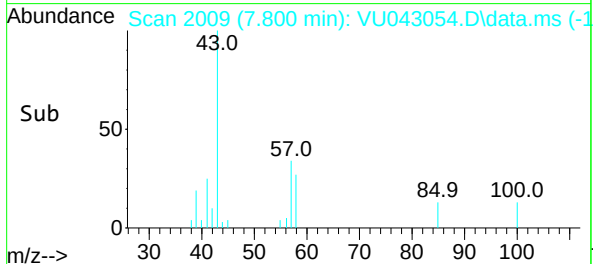
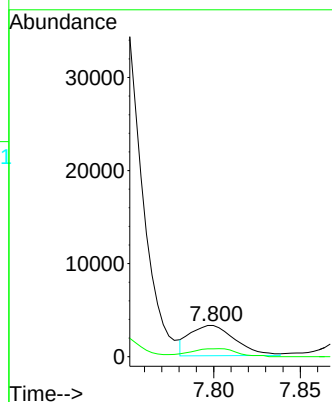
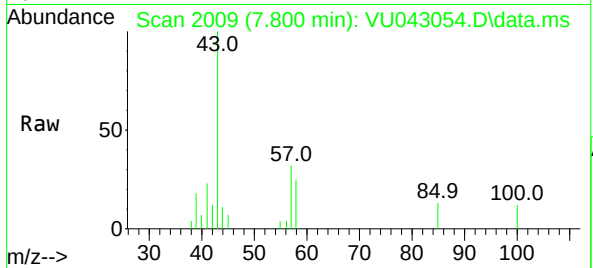




#51
4-Methyl-2-Pentanone
Concen: 1.15 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

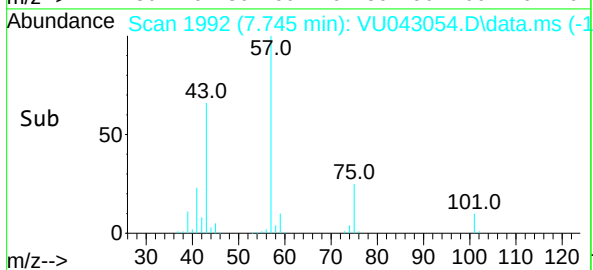
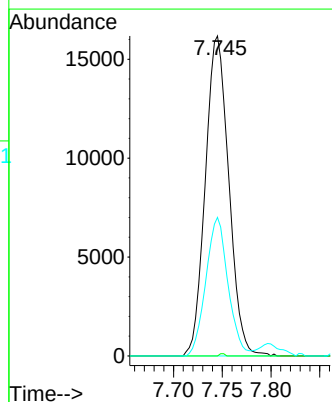
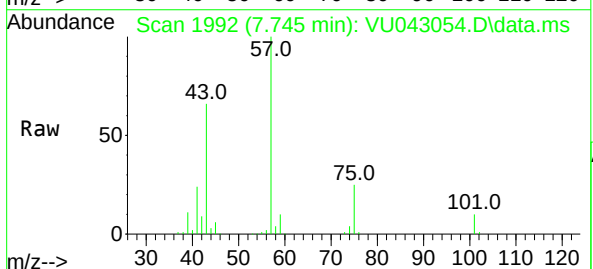
Instrument :
MSVOA_U
ClientSampleId :

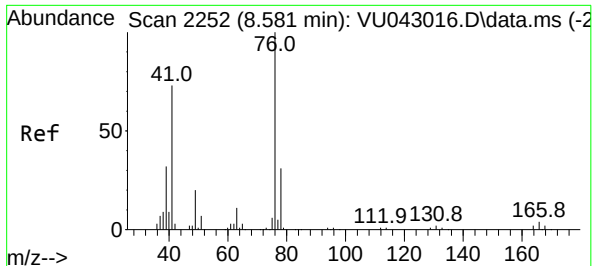
Tgt Ion: 43 Resp: 5892
Ion Ratio Lower Upper
43 100
58 27.3 28.1 42.1#



#54
cis-1,3-Dichloropropene
Concen: 7.62 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

Tgt Ion: 75 Resp: 27081
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 43.3 46.1 69.1#



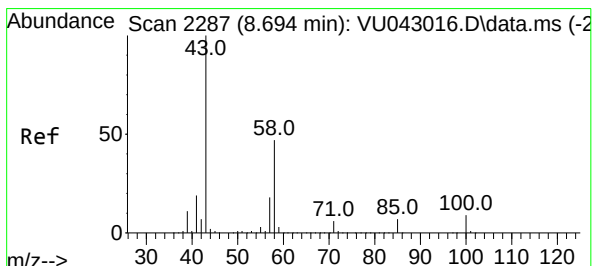
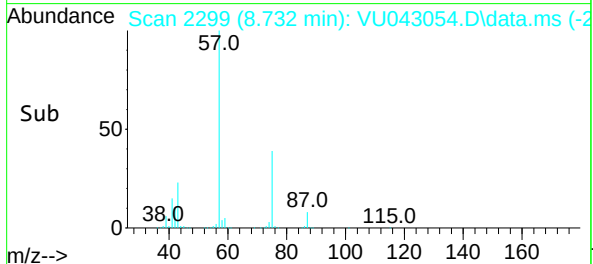
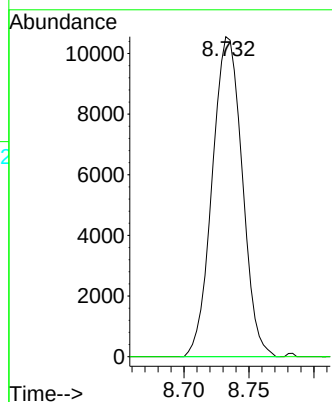
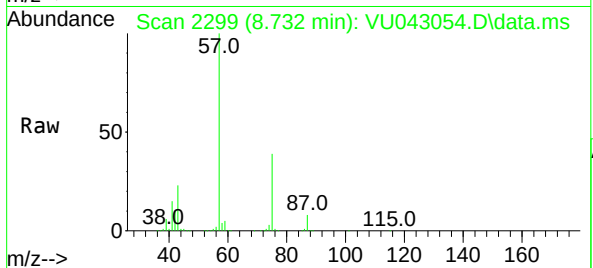


#57

1,3-Dichloropropane
Concen: 4.55 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

Instrument :
MSVOA_U
ClientSampled :

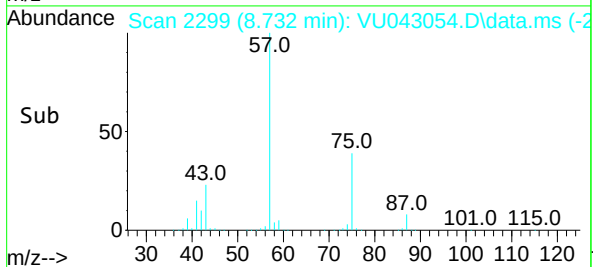
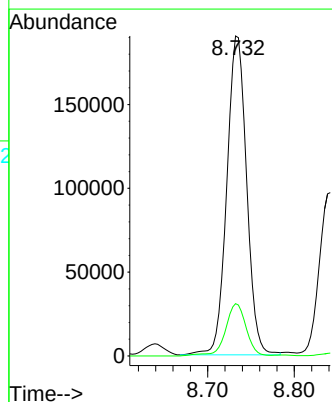
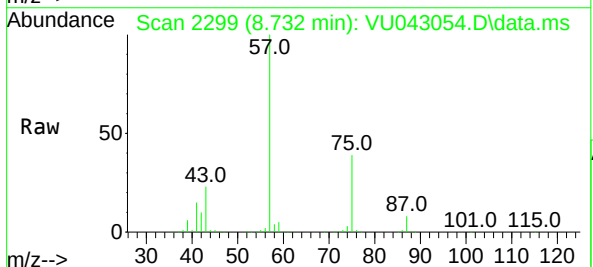
Tgt Ion: 76 Resp: 16927
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

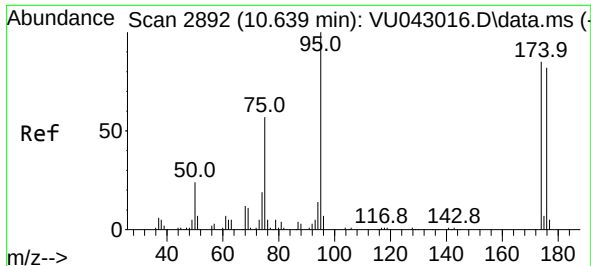


#59

2-Hexanone
Concen: 71.75 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

Tgt Ion: 43 Resp: 302269
Ion Ratio Lower Upper
43 100
58 17.1 24.0 72.0#

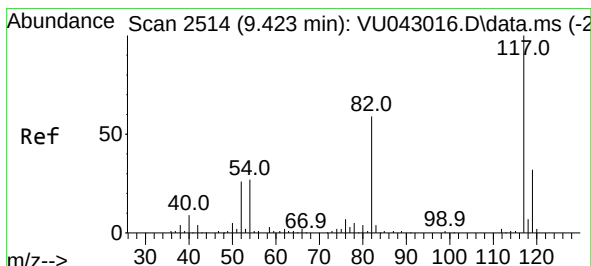
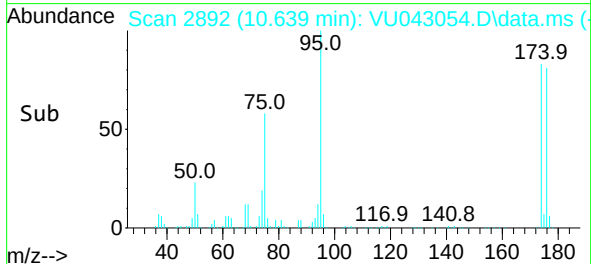
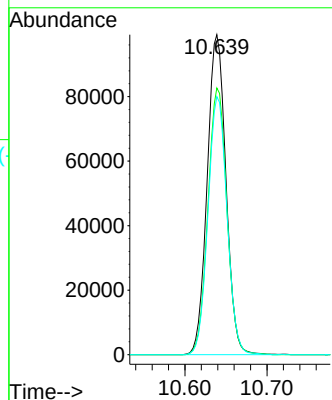
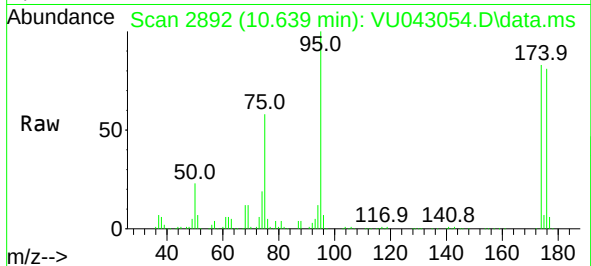




#62
4-Bromofluorobenzene
Concen: 55.40 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

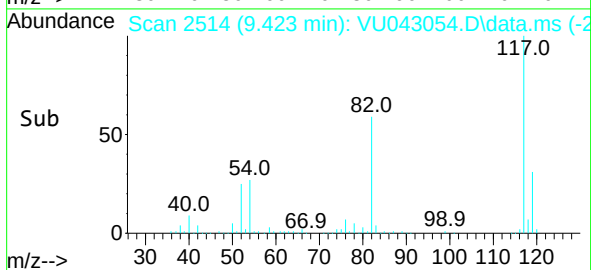
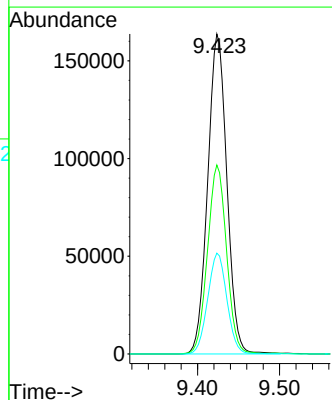
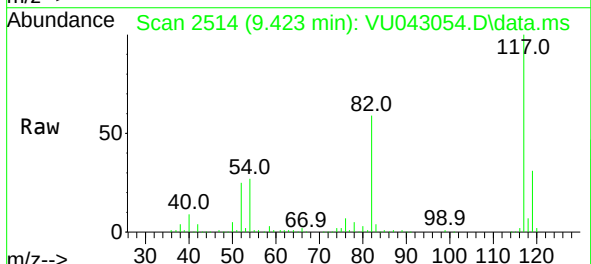
Instrument :
MSVOA_U
ClientSampleId :

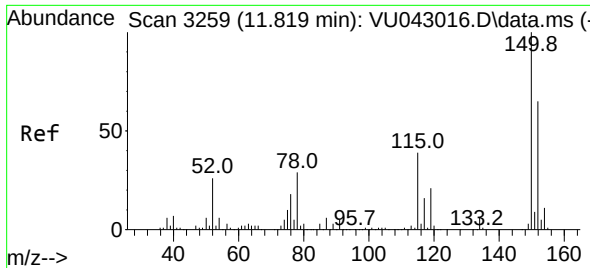
Tgt Ion: 95 Resp: 157679
Ion Ratio Lower Upper
95 100
174 84.2 0.0 172.2
176 81.4 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

Tgt Ion: 117 Resp: 265823
Ion Ratio Lower Upper
117 100
82 59.0 45.8 68.6
119 31.5 25.8 38.8

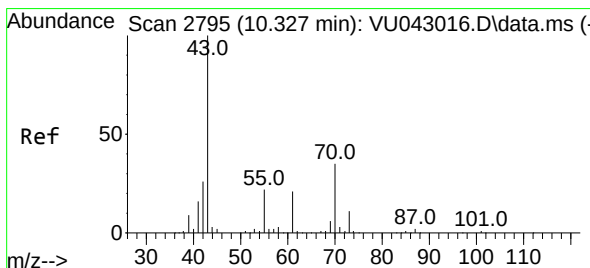
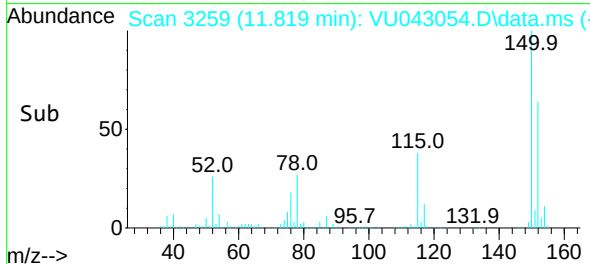
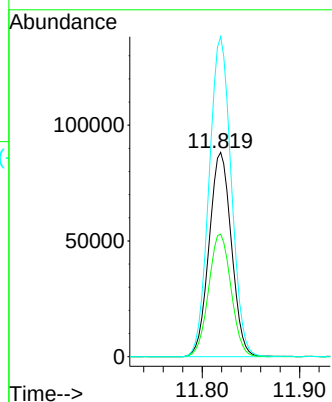
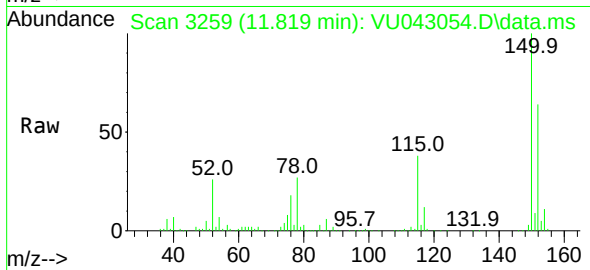




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

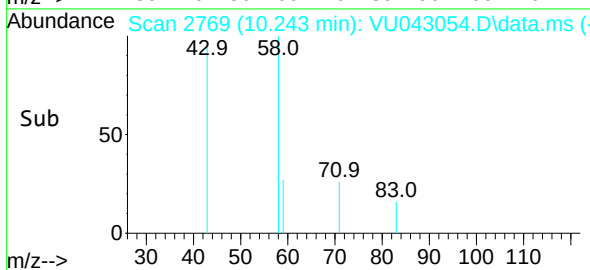
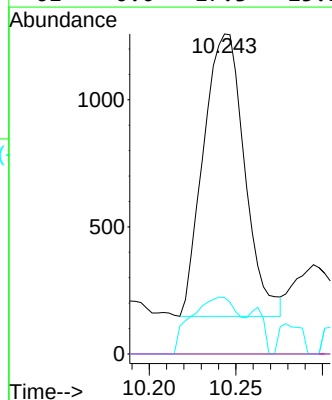
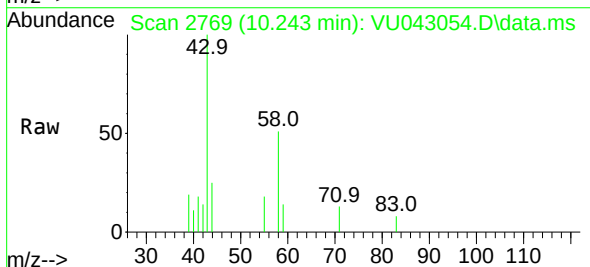
Instrument :
MSVOA_U
ClientSampleId :

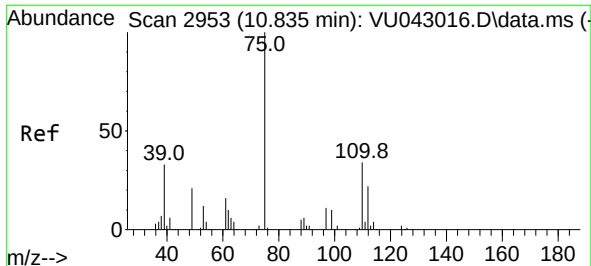
Tgt Ion:152 Resp: 140530
Ion Ratio Lower Upper
152 100
115 60.2 41.5 124.6
150 155.3 0.0 342.4



#74
N-ethyl acetate
Concen: 0.30 ug/l
RT: 10.243 min Scan# 2769
Delta R.T. -0.084 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

Tgt Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
70 0.0 28.3 42.5#
55 23.8 17.2 25.8
61 0.0 17.3 25.9#

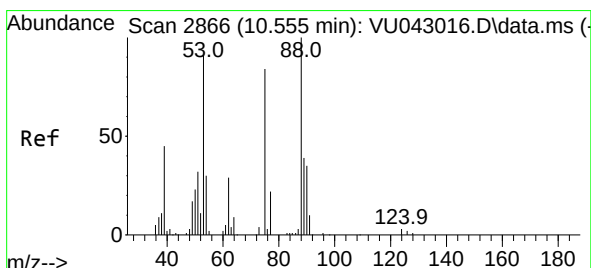
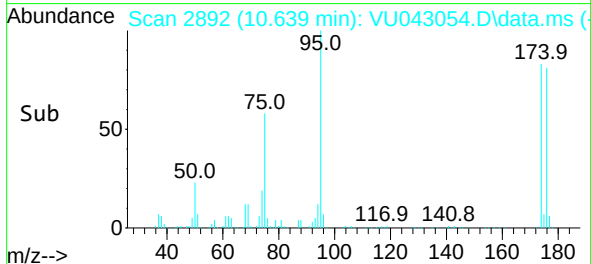
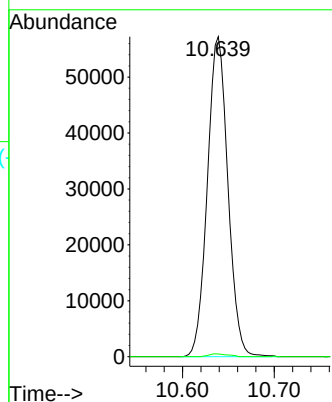
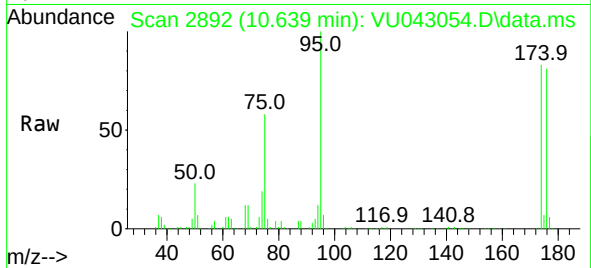




#76
1,2,3-Trichloropropane
Concen: 21.68 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

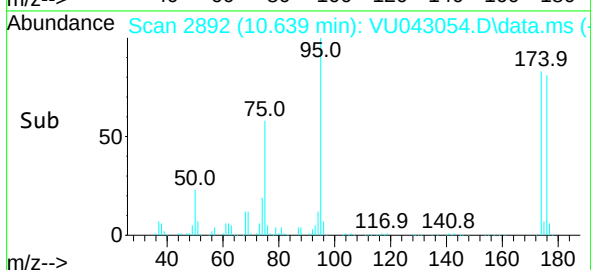
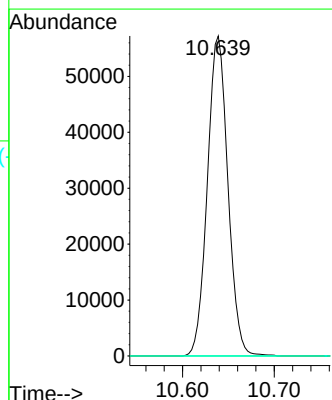
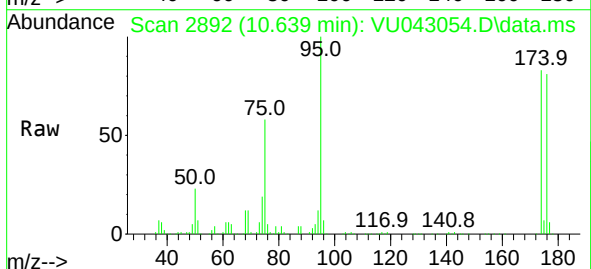
Instrument :
MSVOA_U
ClientSampleId :

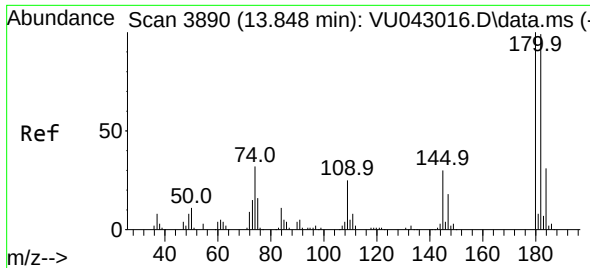
Tgt Ion: 75 Resp: 89011
Ion Ratio Lower Upper
75 100
77 0.8 20.2 60.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.69 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043054.D
Acq: 13 Apr 2021 16:13

Tgt Ion: 75 Resp: 89011
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#

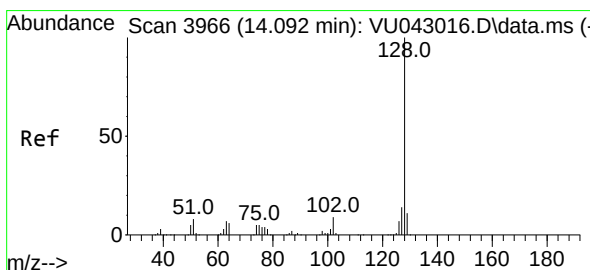
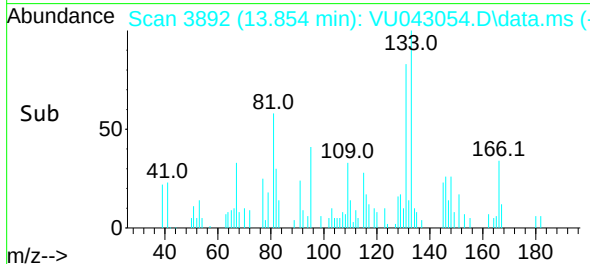
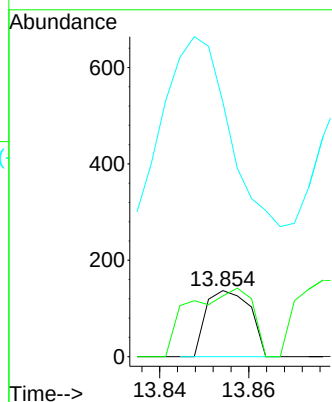
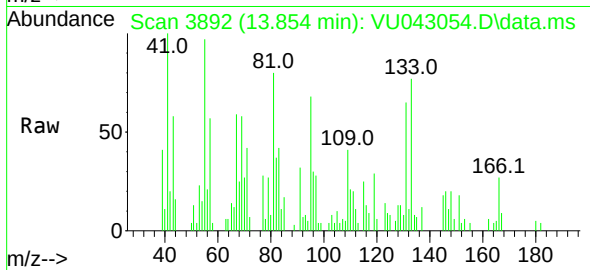




#93
 1,2,4-Trichlorobenzene
 Concen: 1.53 ug/l
 RT: 13.854 min Scan# 3892
 Delta R.T. 0.006 min
 Lab File: VU043054.D
 Acq: 13 Apr 2021 16:13

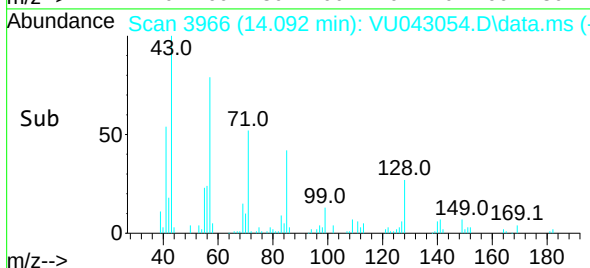
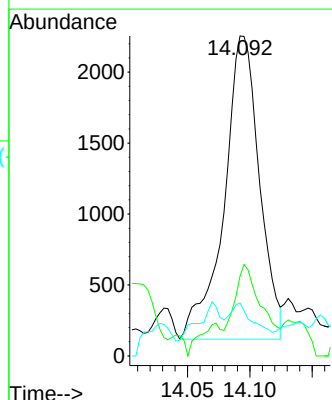
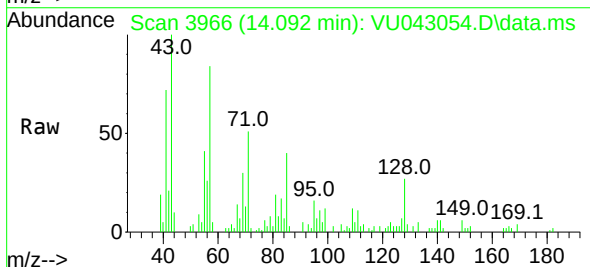
Instrument :
 MSVOA_U
 ClientSampleId :

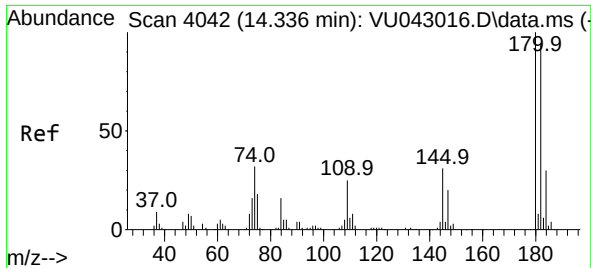
Tgt Ion:180 Resp: 94
 Ion Ratio Lower Upper
 180 100
 182 146.8 46.9 140.8#
 145 1148.9 14.4 43.4#



#95
 Naphthalene
 Concen: 3.13 ug/l
 RT: 14.092 min Scan# 3966
 Delta R.T. 0.000 min
 Lab File: VU043054.D
 Acq: 13 Apr 2021 16:13

Tgt Ion:128 Resp: 4216
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.8 16.2
 129 5.3 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.92 ug/l
 RT: 14.356 min Scan# 4048
 Delta R.T. 0.020 min
 Lab File: VU043054.D
 Acq: 13 Apr 2021 16:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:180 Resp: 1492
 Ion Ratio Lower Upper
 180 100
 182 6.7 48.0 144.0#
 145 211.3 15.5 46.5#

