

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041321\
 Data File : VU043051.D
 Acq On : 13 Apr 2021 15:04
 Operator : SY/MD
 Sample : M1991-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 03:50:31 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)

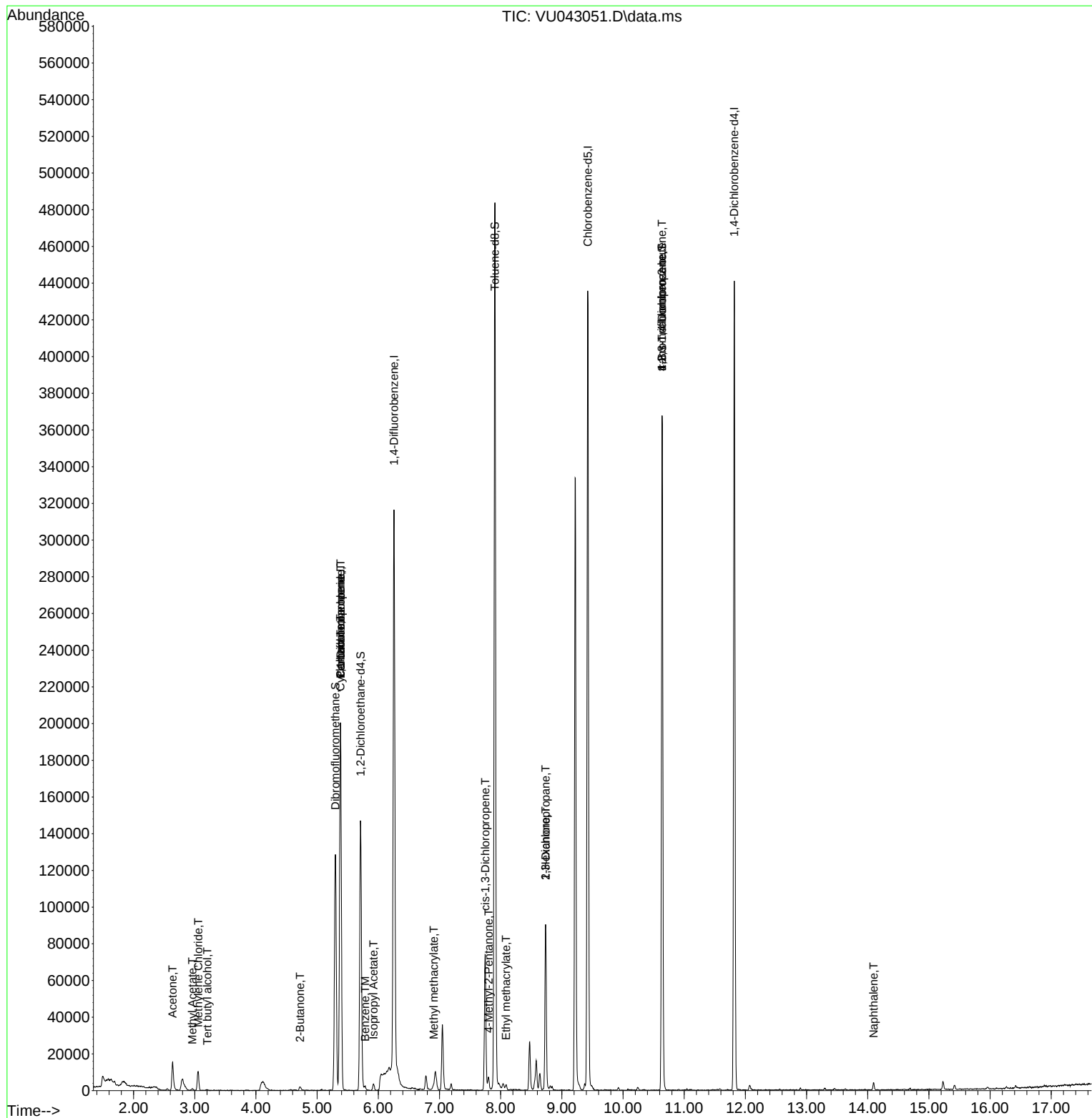
Internal Standards						
1) Pentafluorobenzene	5.382	168	134982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	228463	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	221860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	107207	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	112617	49.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.26%	
35) Dibromofluoromethane	5.298	113	79143	46.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.20%	
50) Toluene-d8	7.906	98	290993	47.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	10.639	95	108701	44.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.38%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	467	Below Cal	#	41
11) Tert butyl alcohol	3.205	59	377	0.64	ug/l #	94
16) Acetone	2.639	43	19562	14.36	ug/l	100
18) Methyl Acetate	2.961	43	1414	0.50	ug/l #	78
20) Methylene Chloride	3.057	84	4436	2.75	ug/l	93
25) 2-Butanone	4.723	43	3372	1.64	ug/l	98
31) Cyclohexane	5.378	56	3351	1.20	ug/l #	21
36) 1,1-Dichloropropene	5.382	75	11686	4.82	ug/l #	49
38) Carbon Tetrachloride	5.382	117	13791	5.31	ug/l #	17
40) Benzene	5.784	78	1695	0.24	ug/l #	81
43) Isopropyl Acetate	5.922	43	4098	0.69	ug/l #	91
48) Methyl methacrylate	6.906	41	3751	1.26	ug/l #	24
51) 4-Methyl-2-Pentanone	7.803	43	4749	1.09	ug/l	98
54) cis-1,3-Dichloropropene	7.748	75	11106	3.66	ug/l #	69
56) Ethyl methacrylate	8.089	69	1592	0.53	ug/l #	72
57) 1,3-Dichloropropane	8.735	76	836	0.26	ug/l #	43
59) 2-Hexanone	8.735	43	14744	4.09	ug/l #	53
76) 1,2,3-Trichloropropane	10.639	75	62472	19.94	ug/l #	36
81) trans-1,4-Dichloro-2-b...	10.639	75	62472	58.60	ug/l #	7
95) Naphthalene	14.095	128	3763	3.20	ug/l	96

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

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Quant Time: Apr 14 03:50:31 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

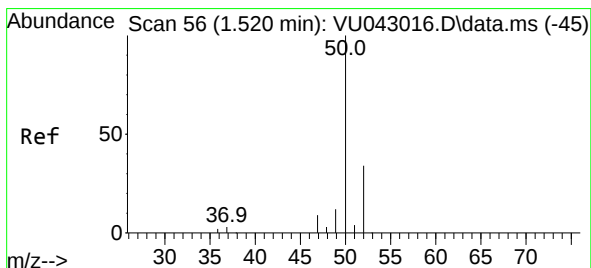
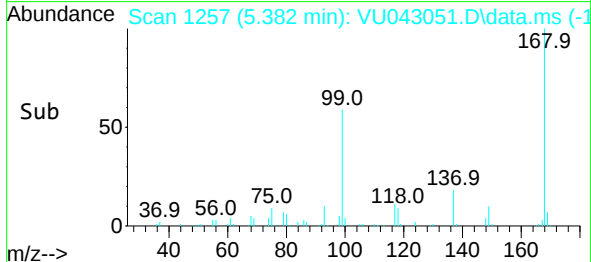
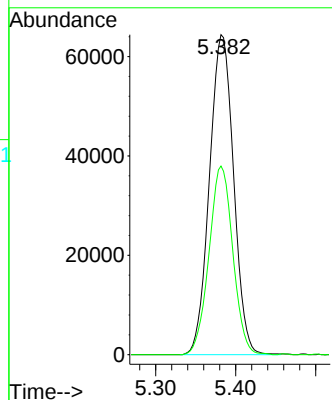
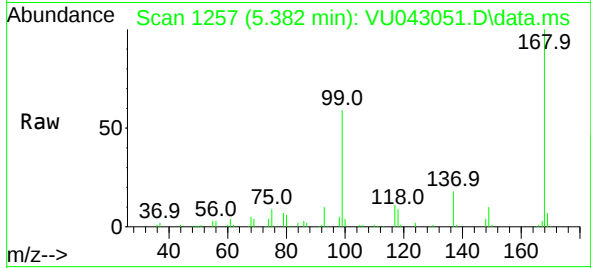




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

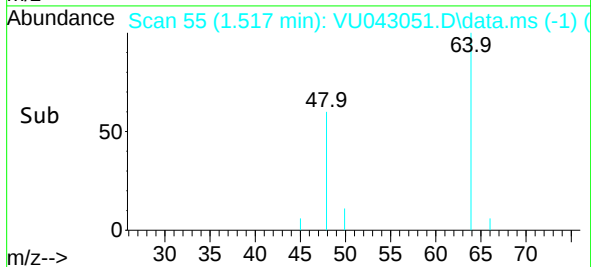
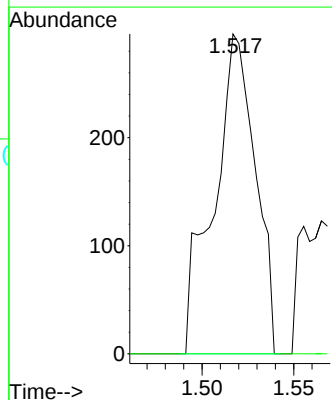
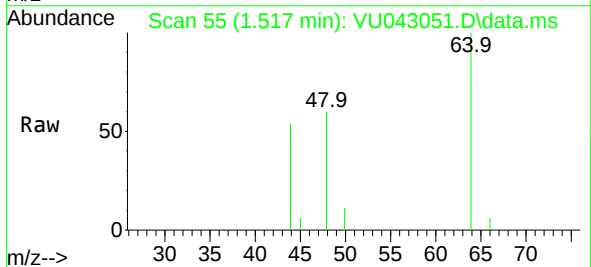
Instrument :
MSVOA_U
ClientSampleId :

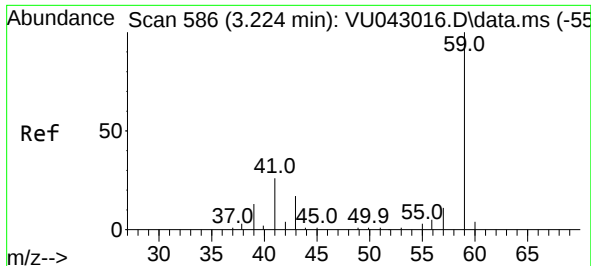
Tgt Ion:168 Resp: 134982
Ion Ratio Lower Upper
168 100
99 58.9 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

Tgt Ion: 50 Resp: 467
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

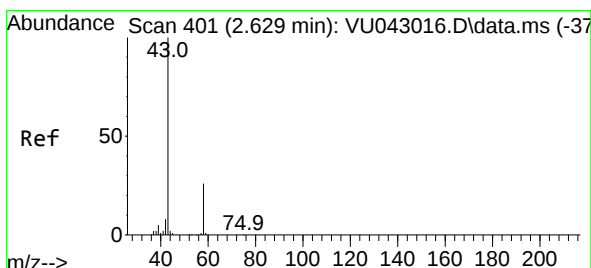
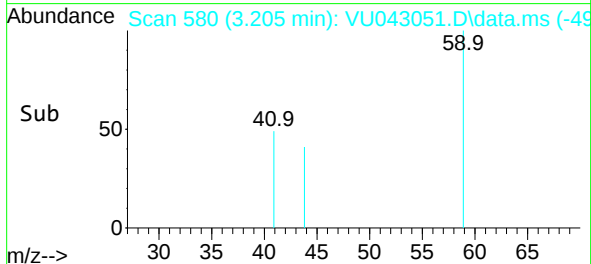
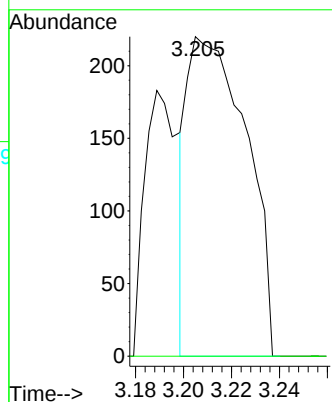
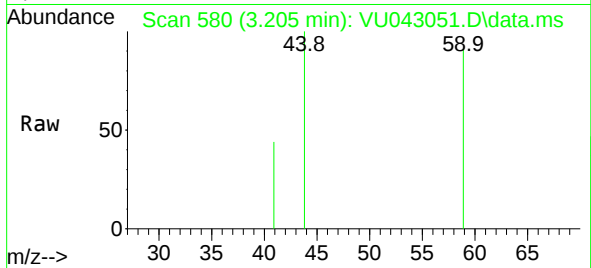




#11
Tert butyl alcohol
Concen: 0.64 ug/l
RT: 3.205 min Scan# 580
Delta R.T. -0.019 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

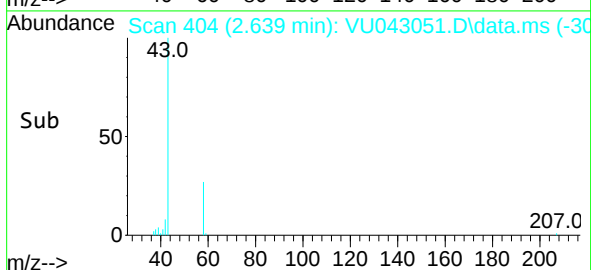
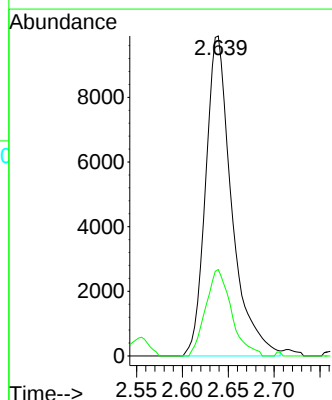
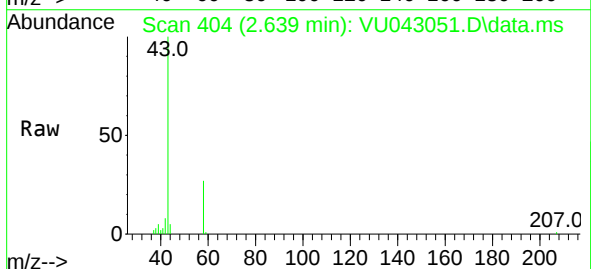
Instrument :
MSVOA_U
ClientSampleId :

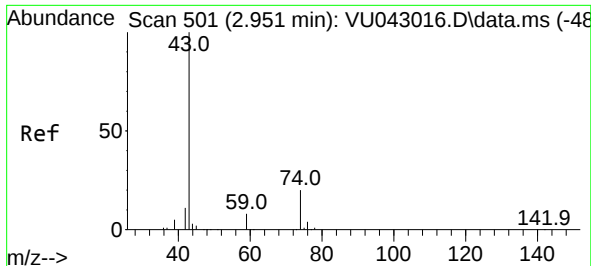
Tgt Ion: 59 Resp: 377
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



#16
Acetone
Concen: 14.36 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.010 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

Tgt Ion: 43 Resp: 19562
Ion Ratio Lower Upper
43 100
58 27.0 21.5 32.3

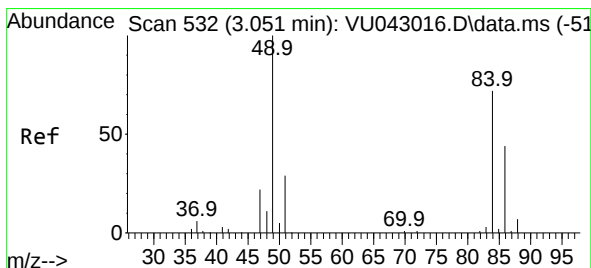
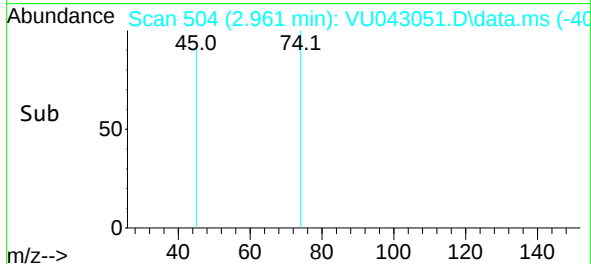
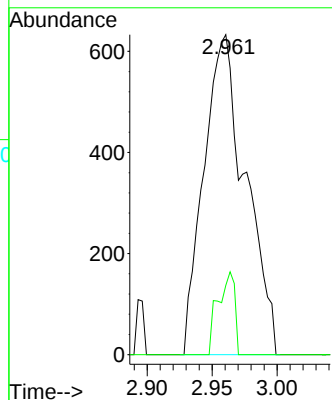
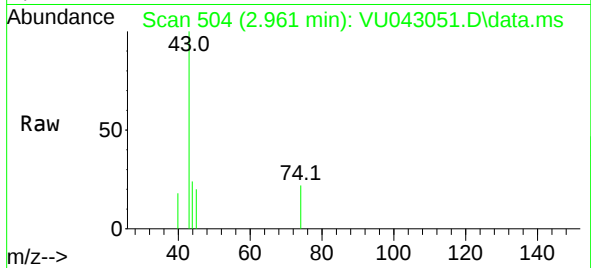




#18
Methyl Acetate
Concen: 0.50 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.010 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

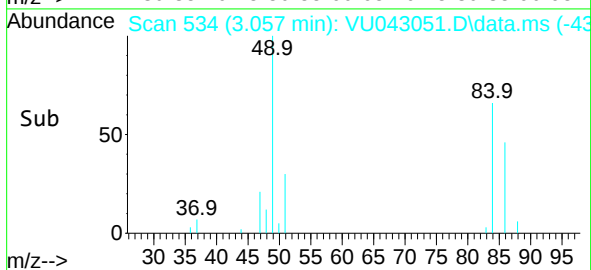
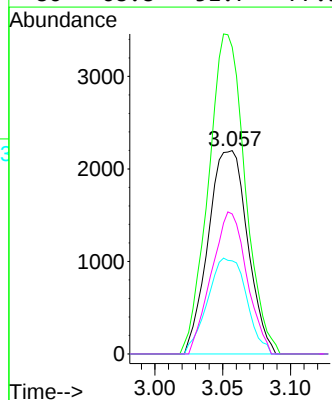
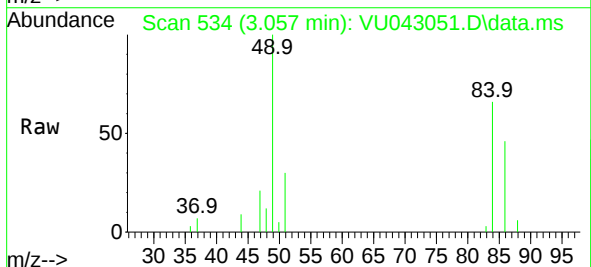
Instrument :
MSVOA_U
ClientSampled :

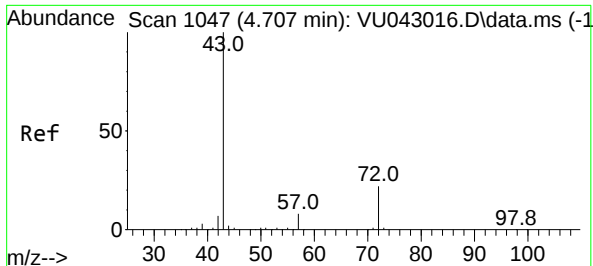
Tgt Ion: 43 Resp: 1414
Ion Ratio Lower Upper
43 100
74 10.3 16.6 25.0#



#20
Methylene Chloride
Concen: 2.75 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.006 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

Tgt Ion: 84 Resp: 4436
Ion Ratio Lower Upper
84 100
49 150.8 112.6 169.0
51 45.7 33.7 50.5
86 68.8 51.7 77.5

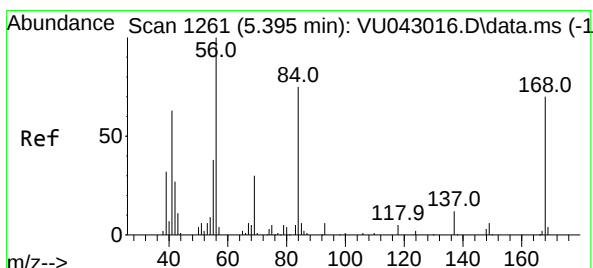
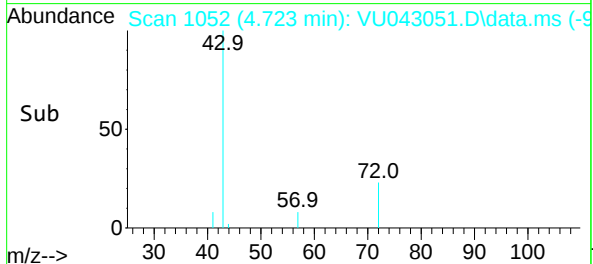
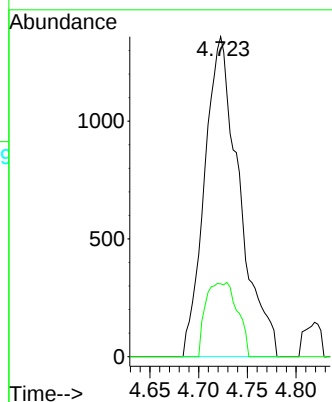
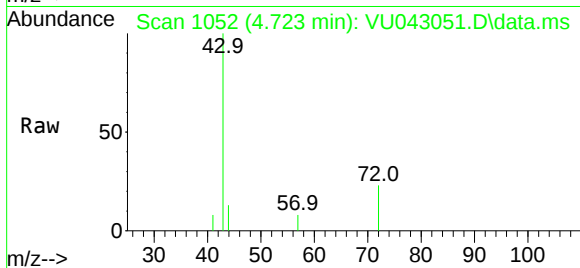




#25
2-Butanone
Concen: 1.64 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.016 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

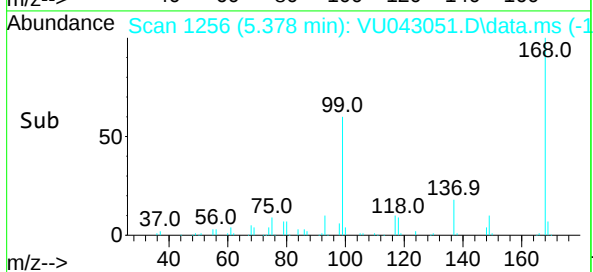
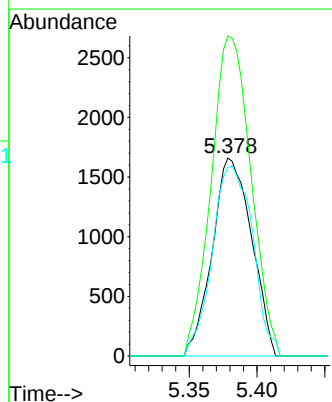
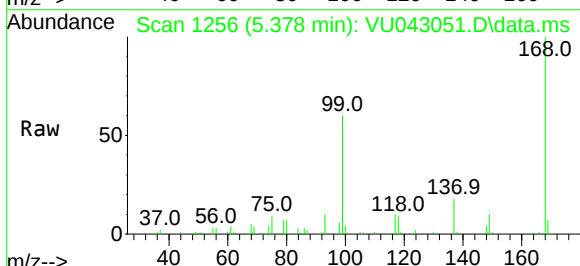
Instrument :
MSVOA_U
ClientSampled :

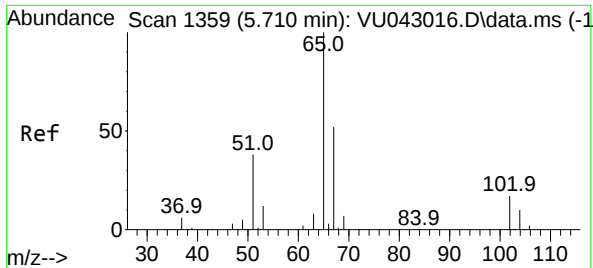
Tgt Ion: 43 Resp: 3372
Ion Ratio Lower Upper
43 100
72 22.7 17.4 26.0



#31
Cyclohexane
Concen: 1.20 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.017 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

Tgt Ion: 56 Resp: 3351
Ion Ratio Lower Upper
56 100
69 161.6 24.9 37.3#
84 95.2 63.7 95.5

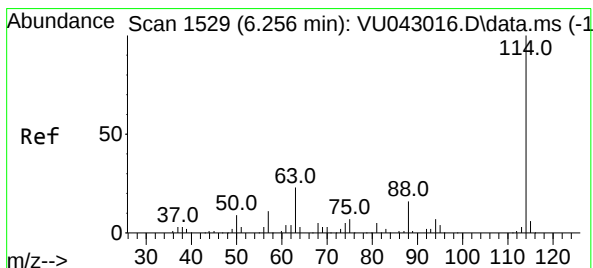
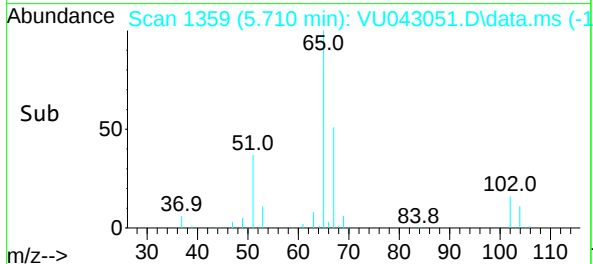
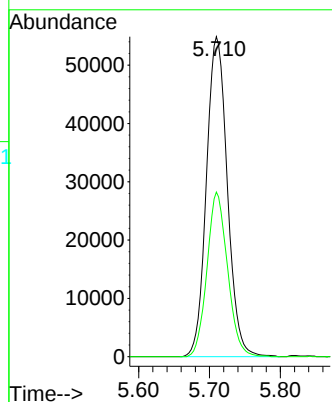
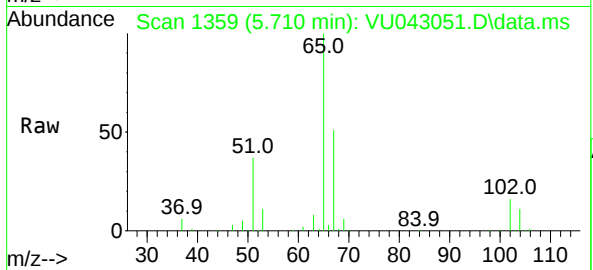




#33
1,2-Dichloroethane-d4
Concen: 49.63 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

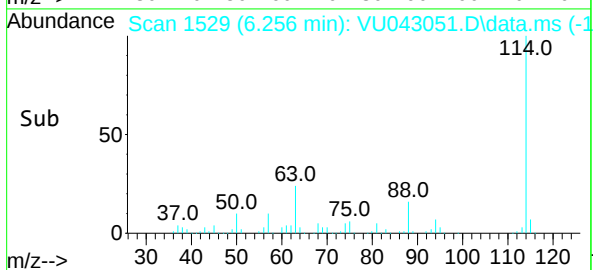
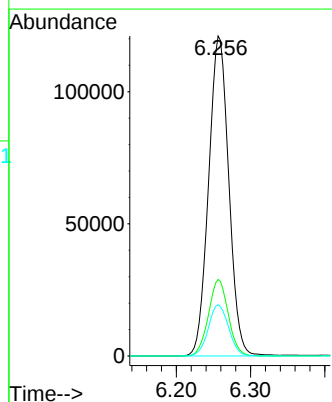
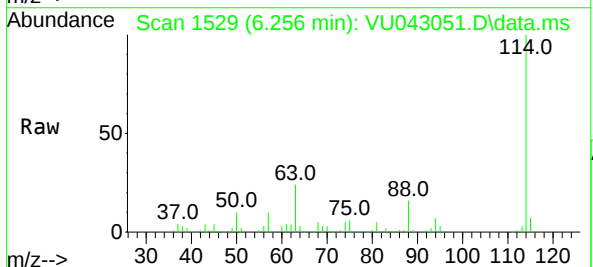
Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 65 Resp: 112617
Ion Ratio Lower Upper
65 100
67 50.5 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: VU043051.D
Acq: 13 Apr 2021 15:04

Tgt Ion: 114 Resp: 228463
Ion Ratio Lower Upper
114 100
63 23.9 0.0 44.2
88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.10 ug/l

RT: 5.298 min Scan# 1231

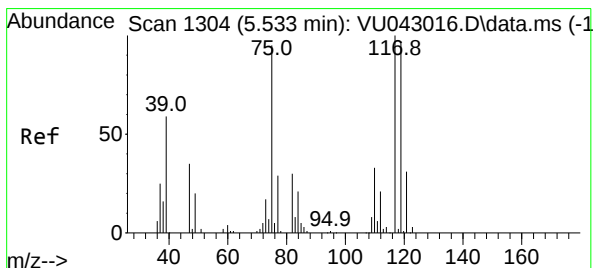
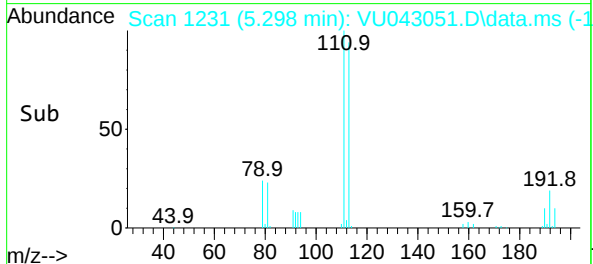
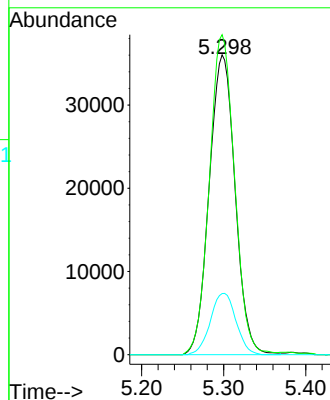
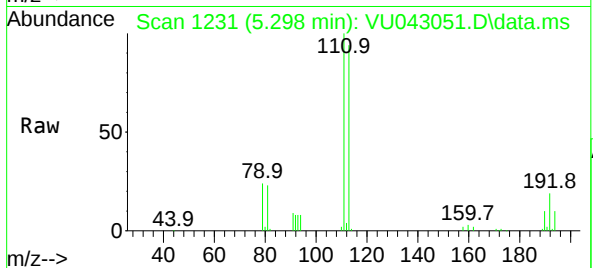
Delta R.T. 0.000 min

Lab File: VU043051.D

Acq: 13 Apr 2021 15:04

Tgt Ion:	113	Resp:	79143
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.8	122.8
192	20.2	17.2	25.8

Instrument :
MSVOA_U
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.82 ug/l

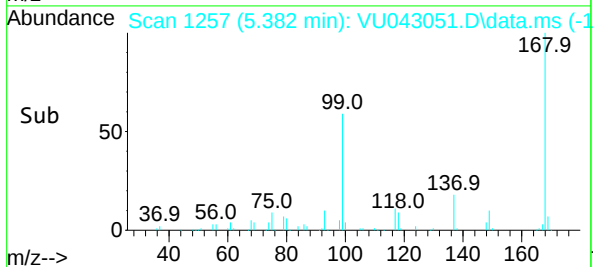
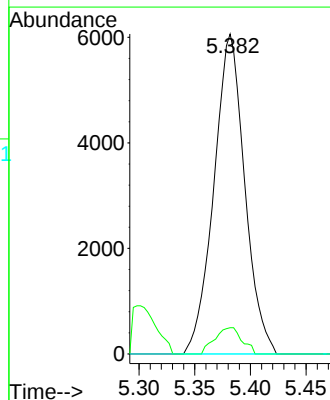
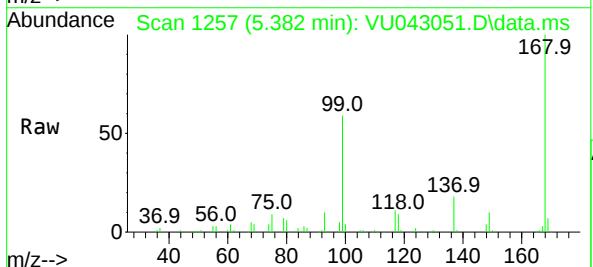
RT: 5.382 min Scan# 1257

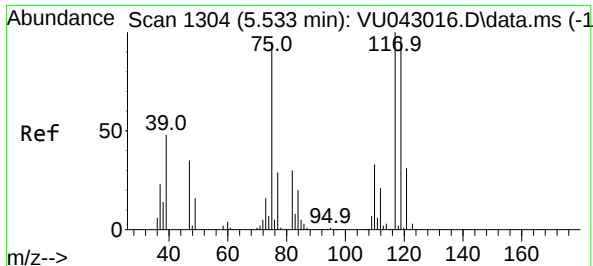
Delta R.T. -0.151 min

Lab File: VU043051.D

Acq: 13 Apr 2021 15:04

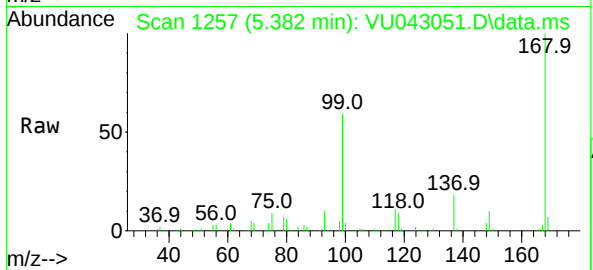
Tgt Ion:	75	Resp:	11686
Ion	Ratio	Lower	Upper
75	100		
110	7.2	16.8	50.3#
77	0.0	24.8	37.2#



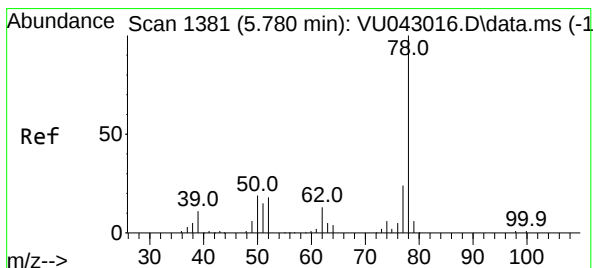
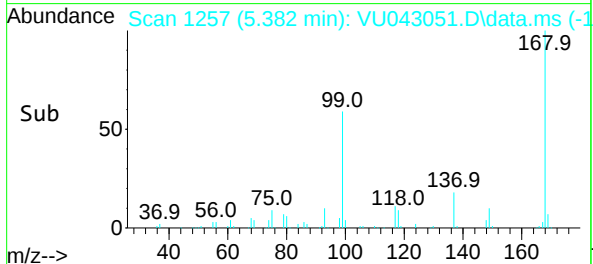
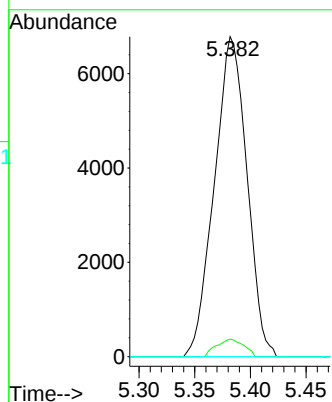


#38
Carbon Tetrachloride
Concen: 5.31 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

Instrument :
MSVOA_U
ClientSampleId :

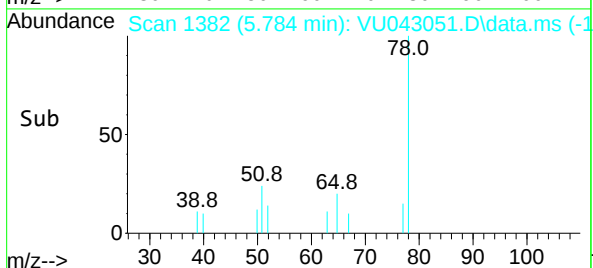
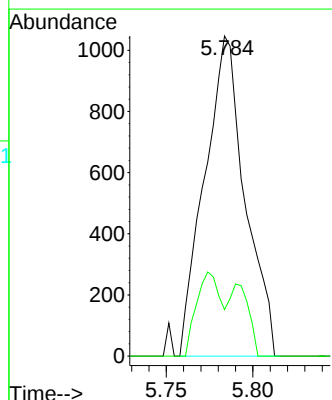
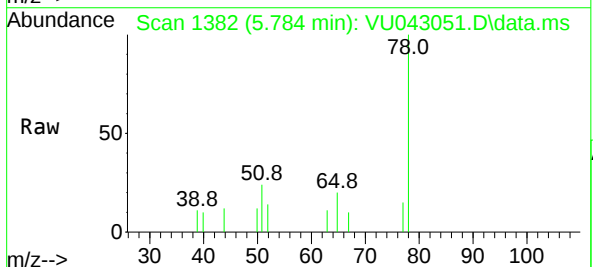


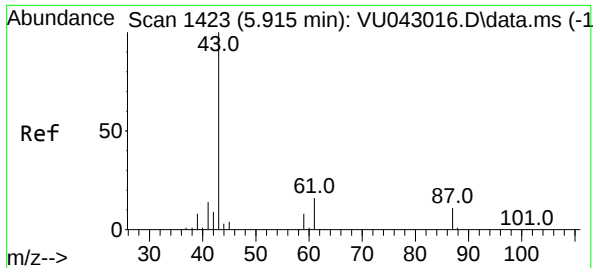
Tgt Ion:117 Resp: 13791
Ion Ratio Lower Upper
117 100
119 5.5 75.5 113.3#
121 0.0 24.7 37.1#



#40
Benzene
Concen: 0.24 ug/l
RT: 5.784 min Scan# 1382
Delta R.T. 0.004 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

Tgt Ion: 78 Resp: 1695
Ion Ratio Lower Upper
78 100
77 14.5 19.3 28.9#

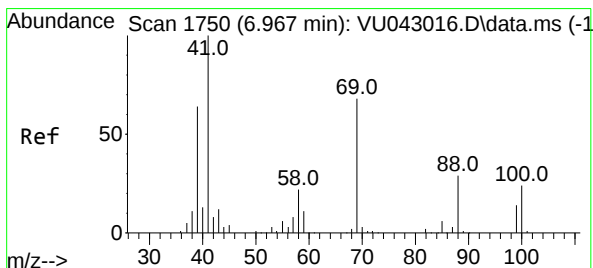
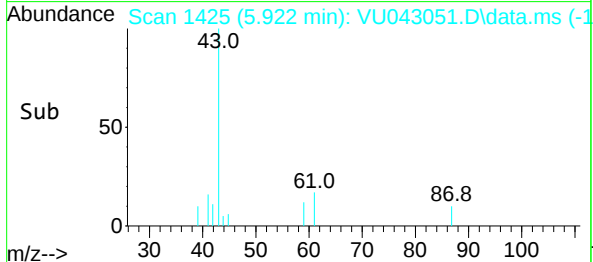
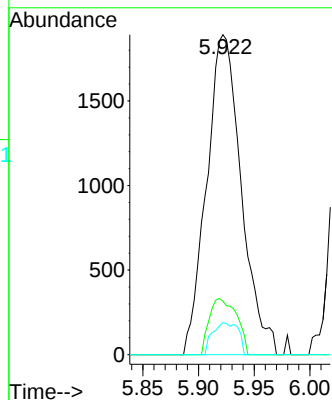
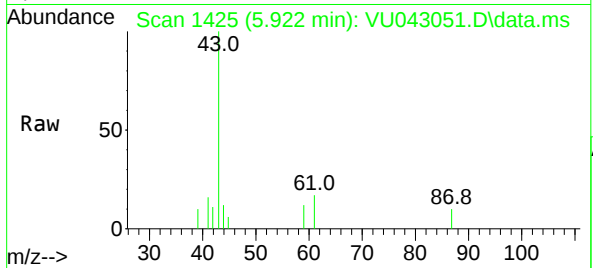




#43
Isopropyl Acetate
Concen: 0.69 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.007 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

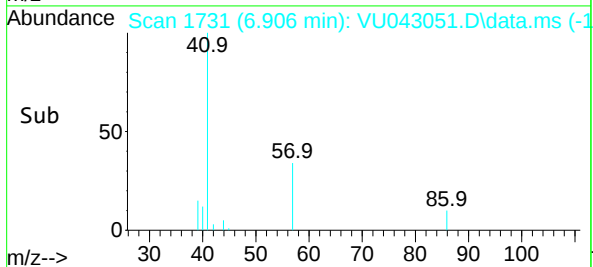
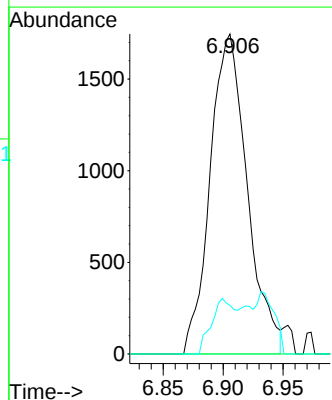
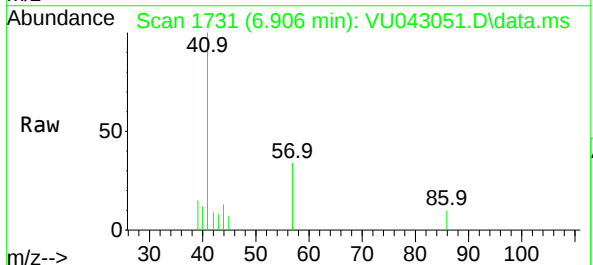
Instrument :
MSVOA_U
ClientSampled :

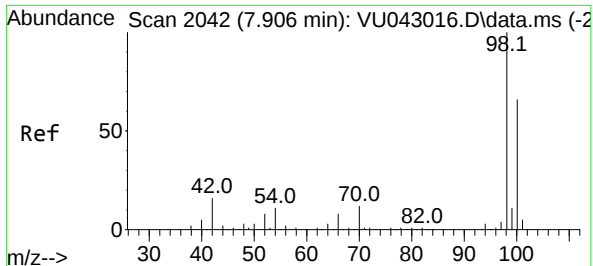
Tgt Ion: 43 Resp: 4098
Ion Ratio Lower Upper
43 100
61 13.8 14.4 21.6#
87 7.3 8.8 13.2#



#48
Methyl methacrylate
Concen: 1.26 ug/l
RT: 6.906 min Scan# 1731
Delta R.T. -0.061 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

Tgt Ion: 41 Resp: 3751
Ion Ratio Lower Upper
41 100
69 0.0 57.0 85.6#
39 11.2 48.4 72.6#

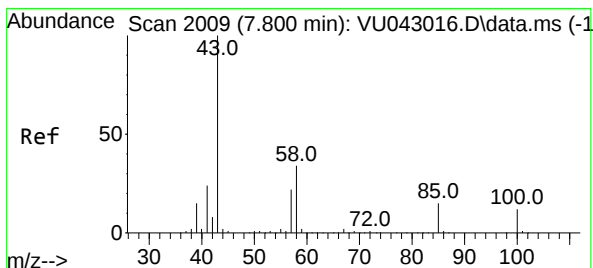
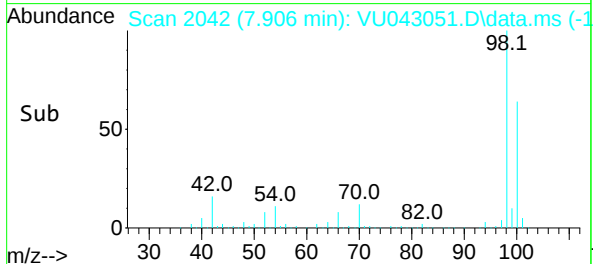
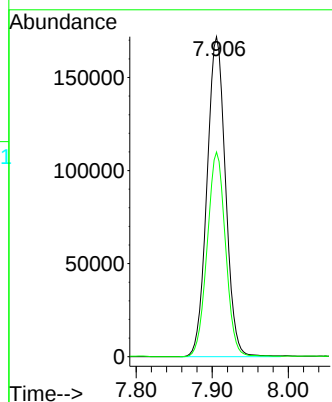
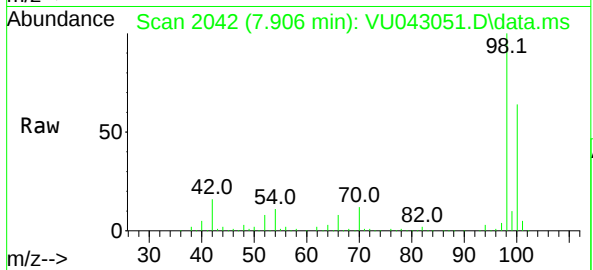




#50
Toluene-d8
Concen: 47.90 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

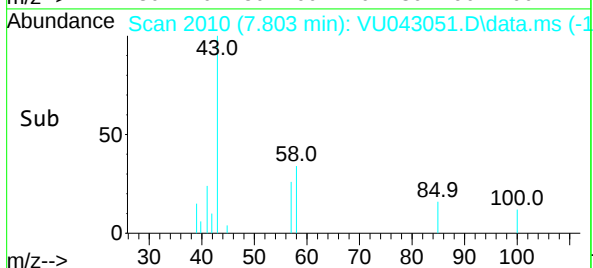
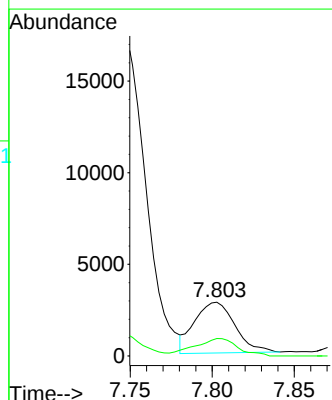
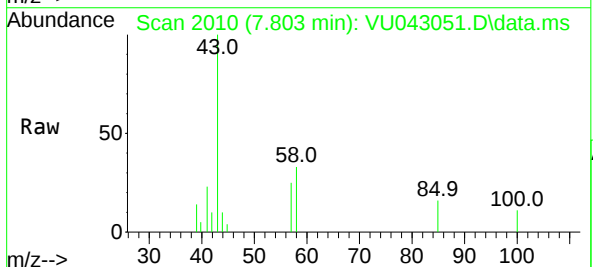
Instrument :
MSVOA_U
ClientSampled :

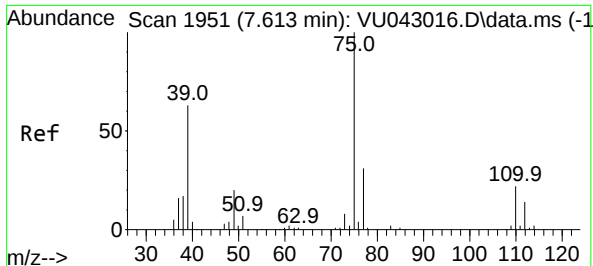
Tgt Ion: 98 Resp: 290993
Ion Ratio Lower Upper
98 100
100 63.3 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.09 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

Tgt Ion: 43 Resp: 4749
Ion Ratio Lower Upper
43 100
58 36.4 28.1 42.1

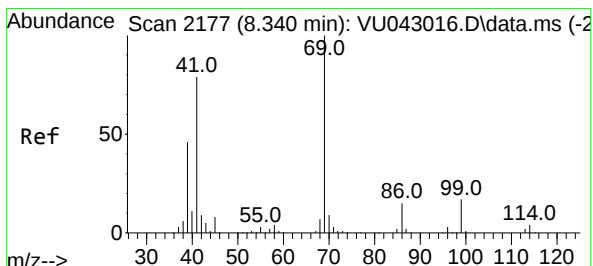
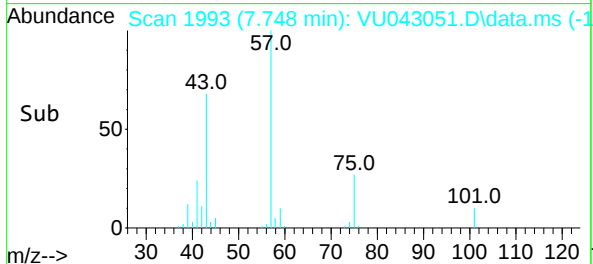
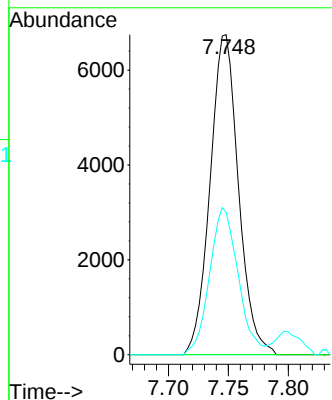
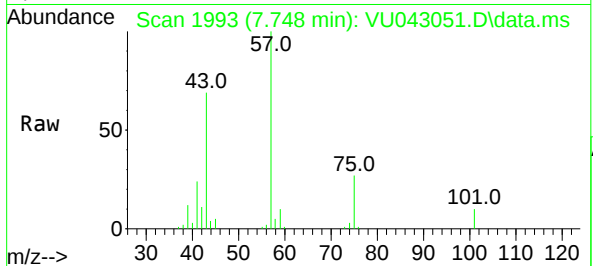




#54
cis-1,3-Dichloropropene
Concen: 3.66 ug/l
RT: 7.748 min Scan# 1993
Delta R.T. 0.135 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

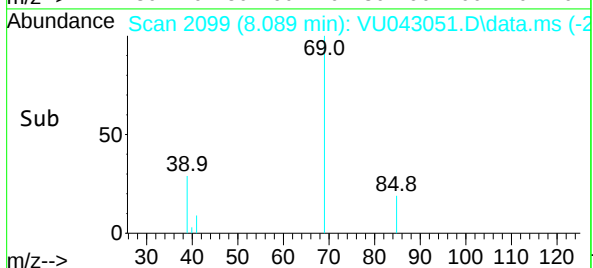
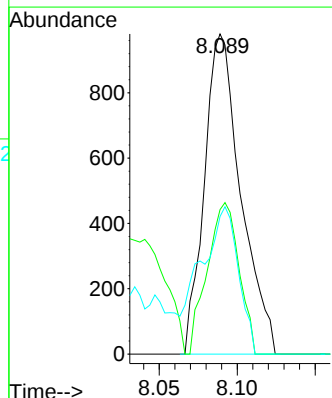
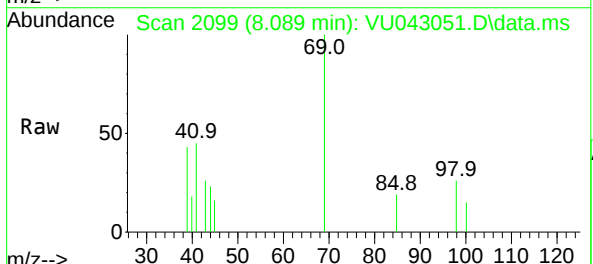
Instrument :
MSVOA_U
ClientSampleId :

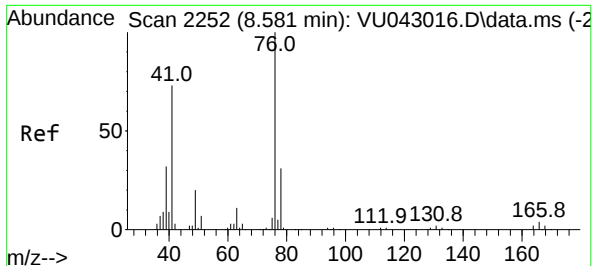
Tgt Ion: 75 Resp: 11106
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 44.5 46.1 69.1#



#56
Ethyl methacrylate
Concen: 0.53 ug/l
RT: 8.089 min Scan# 2099
Delta R.T. -0.251 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

Tgt Ion: 69 Resp: 1592
Ion Ratio Lower Upper
69 100
41 41.3 62.8 94.2#
39 47.6 36.2 54.2



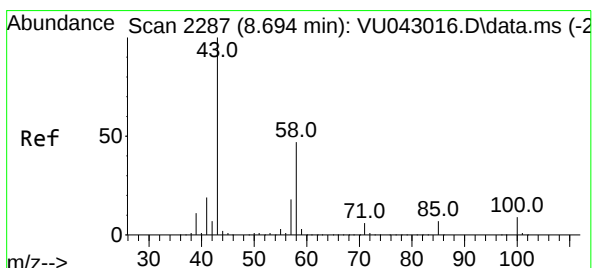
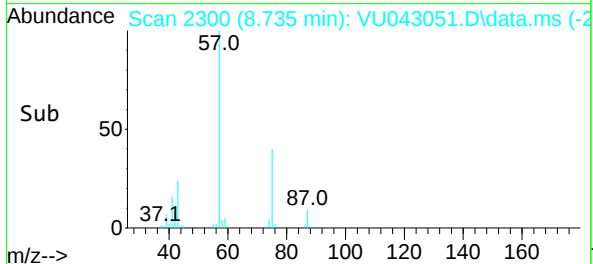
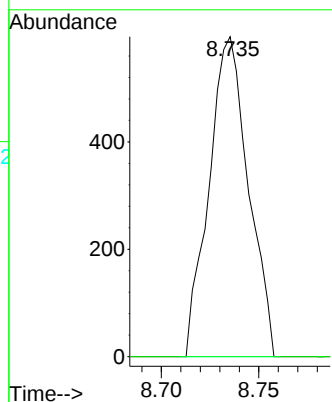
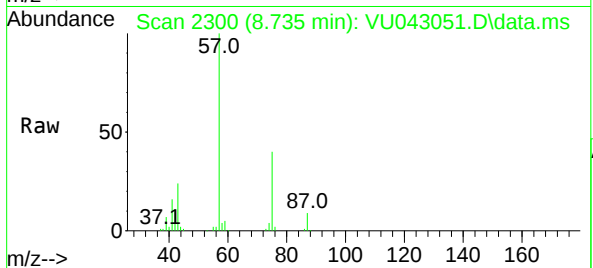


#57

1,3-Dichloropropane
Concen: 0.26 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.154 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

Instrument :
MSVOA_U
ClientSampled :

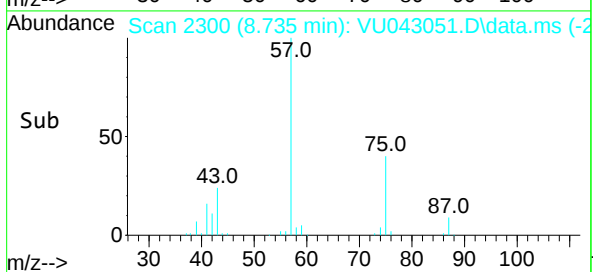
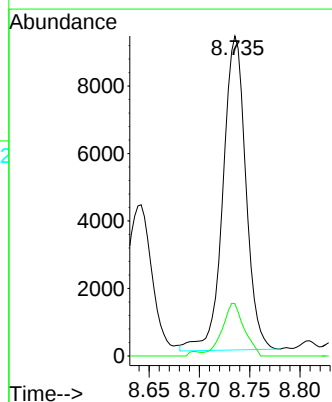
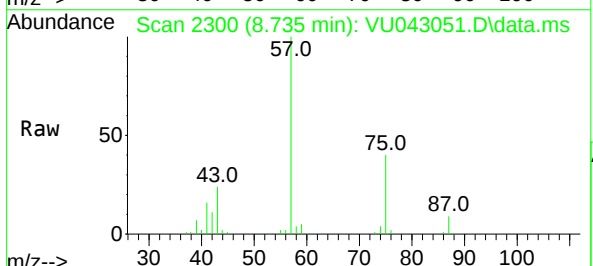
Tgt Ion: 76 Resp: 836
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

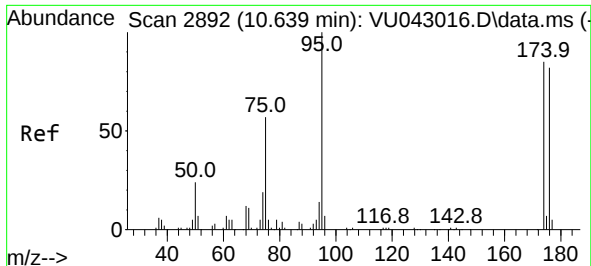


#59

2-Hexanone
Concen: 4.09 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

Tgt Ion: 43 Resp: 14744
Ion Ratio Lower Upper
43 100
58 16.1 24.0 72.0#

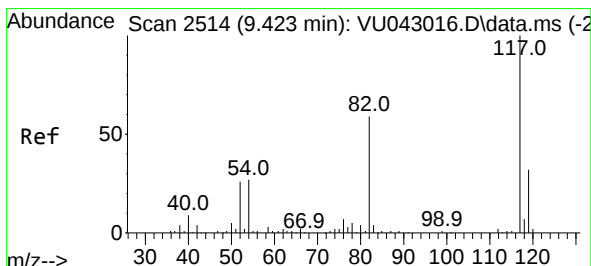
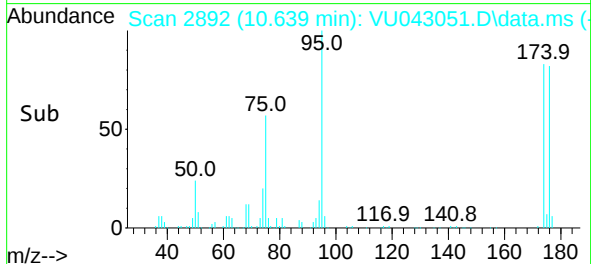
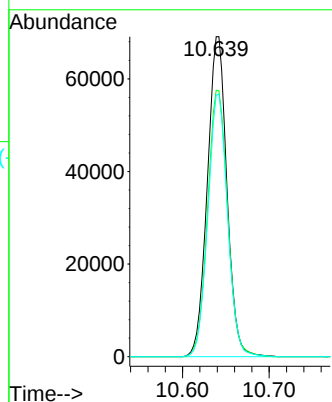
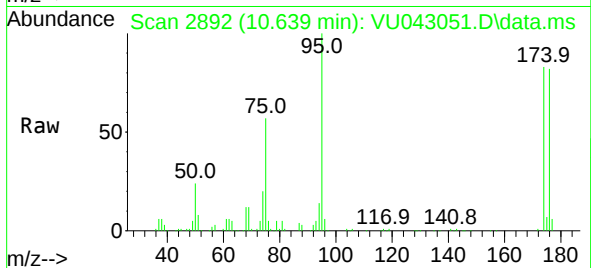




#62
4-Bromofluorobenzene
Concen: 44.69 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

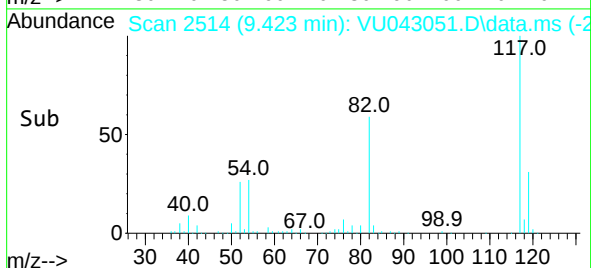
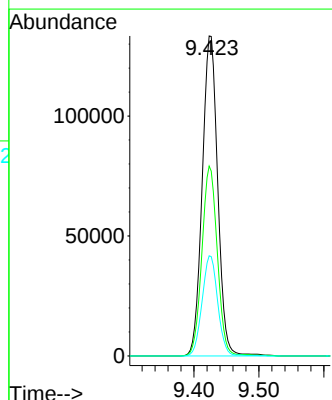
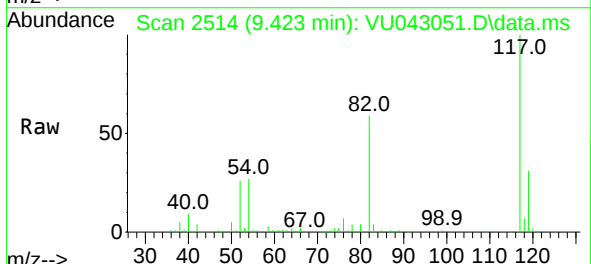
Instrument :
MSVOA_U
ClientSampleId :

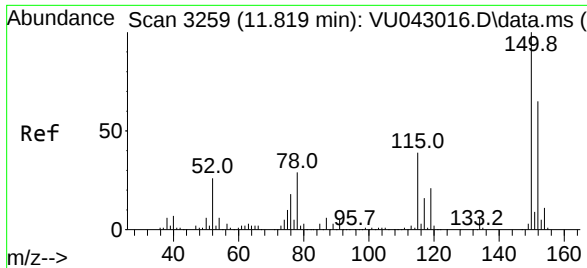
Tgt Ion: 95 Resp: 108701
Ion Ratio Lower Upper
95 100
174 85.2 0.0 172.2
176 82.3 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

Tgt Ion: 117 Resp: 221860
Ion Ratio Lower Upper
117 100
82 59.3 45.8 68.6
119 31.3 25.8 38.8

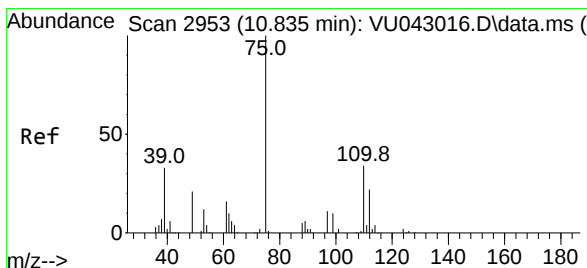
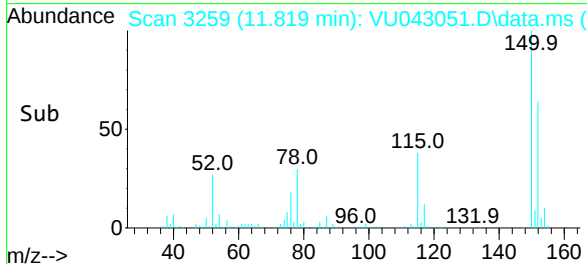
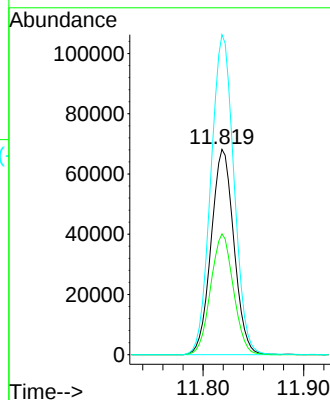
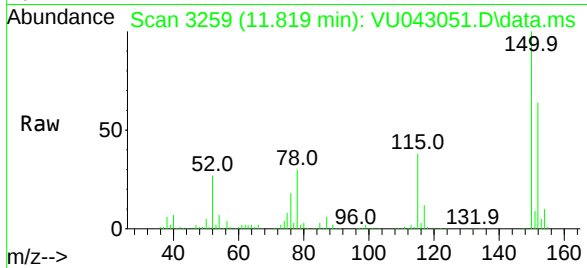




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043051.D
 Acq: 13 Apr 2021 15:04

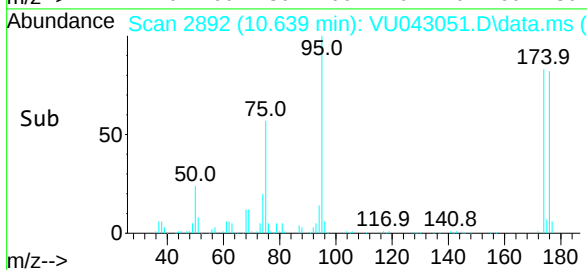
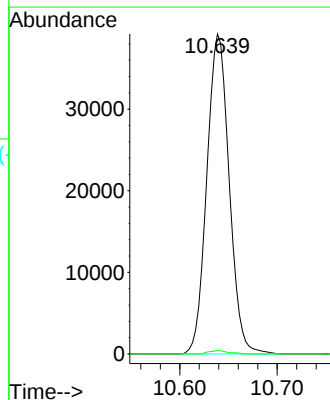
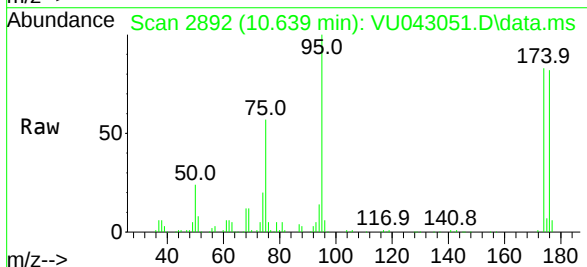
Instrument :
 MSVOA_U
 ClientSampled :

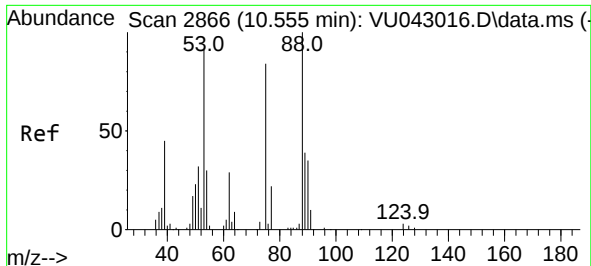
Tgt Ion:152 Resp: 107207
 Ion Ratio Lower Upper
 152 100
 115 58.7 41.5 124.6
 150 158.2 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 19.94 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.196 min
 Lab File: VU043051.D
 Acq: 13 Apr 2021 15:04

Tgt Ion: 75 Resp: 62472
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.2 60.5#

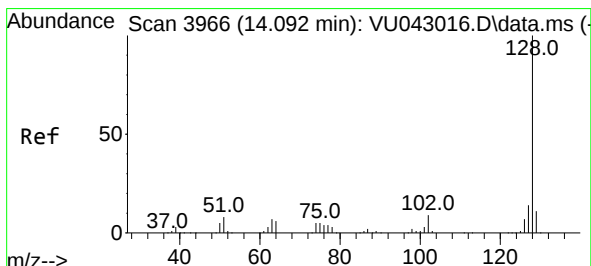
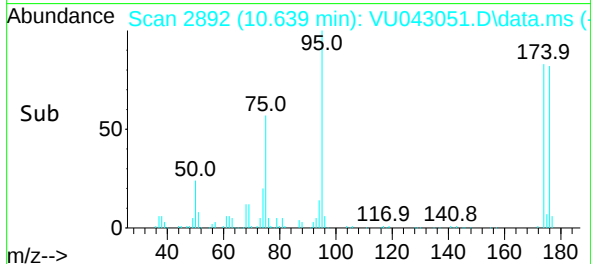
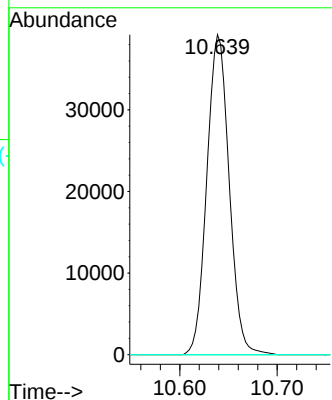
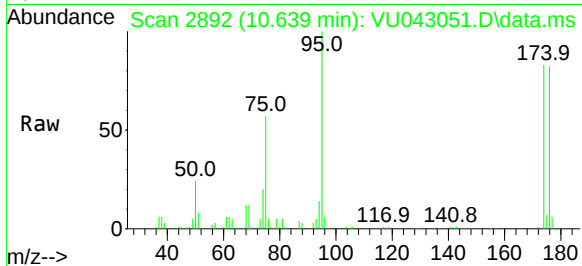




#81
trans-1,4-Dichloro-2-butene
Concen: 58.60 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 62472
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 3.20 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043051.D
Acq: 13 Apr 2021 15:04

Tgt Ion:128 Resp: 3763
Ion Ratio Lower Upper
128 100
127 11.8 10.8 16.2
129 9.5 8.6 13.0

