

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041921\
 Data File : VU043201.D
 Acq On : 19 Apr 2021 17:58
 Operator : SY/MD
 Sample : PB135814ZHE#04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

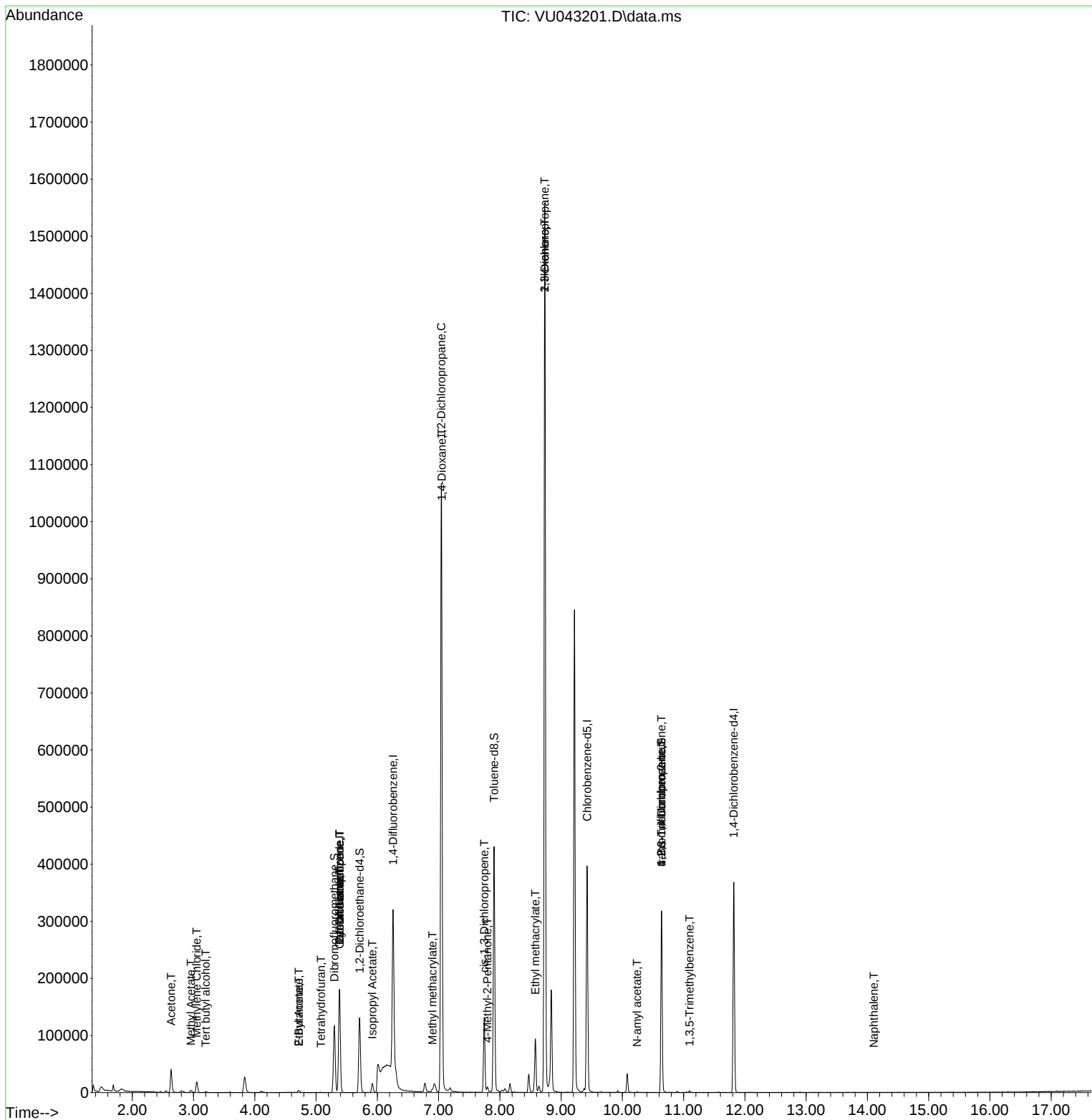
Quant Time: Apr 20 02:57:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

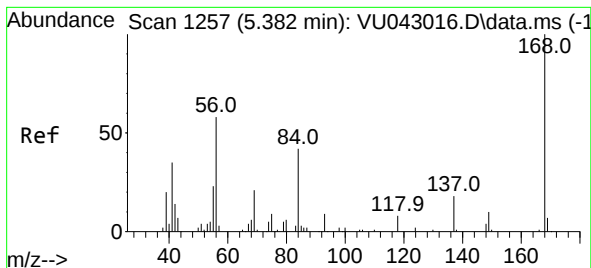
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.382	168	119668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.257	114	204867	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.424	117	197873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	90405	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	101749	50.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.16%	
35) Dibromofluoromethane	5.298	113	70535	45.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.64%	
50) Toluene-d8	7.906	98	260078	47.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	10.639	95	91053	41.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.48%	
Target Compounds					Qvalue	
3) Chloromethane	1.524	50	350	Below Cal	#	41
11) Tert butyl alcohol	3.199	59	830	1.60	ug/l #	94
16) Acetone	2.633	43	48574	40.77	ug/l	99
18) Methyl Acetate	2.954	43	5614	2.23	ug/l	92
20) Methylene Chloride	3.051	84	7839	5.49	ug/l	97
25) 2-Butanone	4.716	43	6739	3.69	ug/l	94
29) Tetrahydrofuran	5.080	42	424	0.37	ug/l #	52
31) Cyclohexane	5.382	56	2968	1.20	ug/l #	26
36) 1,1-Dichloropropene	5.382	75	9698	4.46	ug/l #	50
37) Ethyl Acetate	4.716	43	6739	1.81	ug/l #	71
38) Carbon Tetrachloride	5.385	117	12726	5.46	ug/l #	17
43) Isopropyl Acetate	5.919	43	17271	3.26	ug/l	95
45) 1,2-Dichloropropane	7.044	63	1005	0.58	ug/l #	43
48) Methyl methacrylate	6.900	41	6988	2.63	ug/l #	17
49) 1,4-Dioxane	7.051	88	60	1.13	ug/l #	1
51) 4-Methyl-2-Pentanone	7.797	43	6153	1.57	ug/l	93
54) cis-1,3-Dichloropropene	7.745	75	19738	7.25	ug/l #	67
56) Ethyl methacrylate	8.581	69	758	0.28	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	13161	4.61	ug/l #	43
59) 2-Hexanone	8.732	43	240761	74.57	ug/l #	53
74) N-amyl acetate	10.240	43	1307	0.34	ug/l #	48
76) 1,2,3-Trichloropropane	10.639	75	53487	20.25	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.096	105	1881	0.35	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.639	75	53487	59.49	ug/l #	7
95) Naphthalene	14.105	128	126	2.76	ug/l #	69

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

Quant Time: Apr 20 02:57:54 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

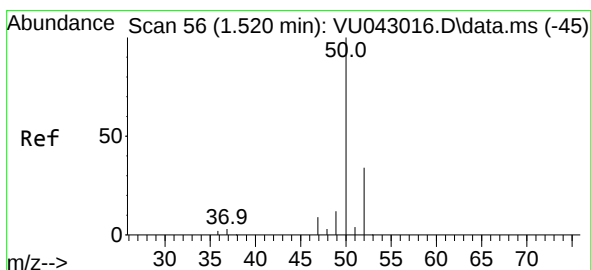
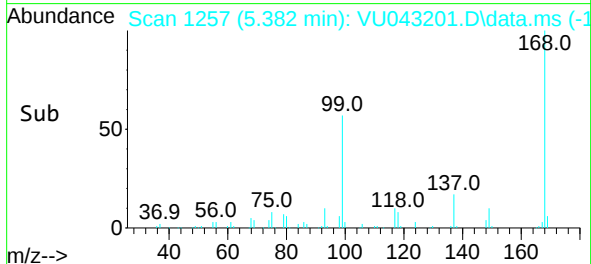
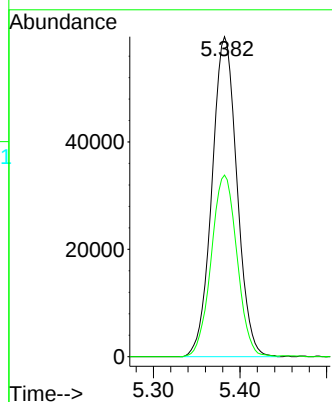
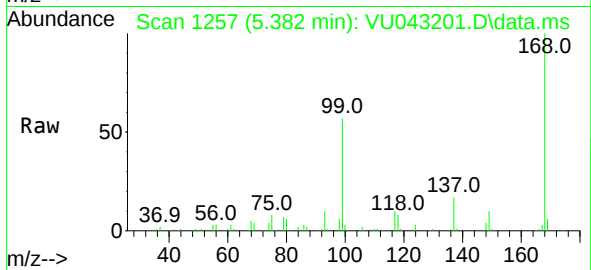




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

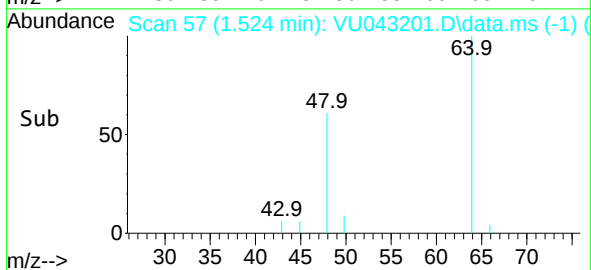
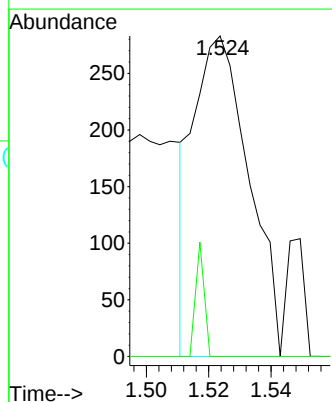
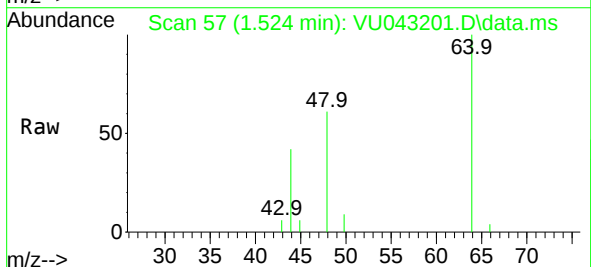
Instrument :
MSVOA_U
ClientSampled :

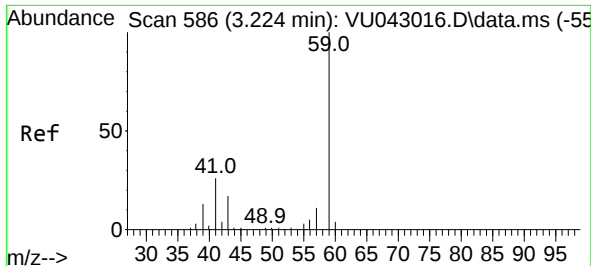
Tgt Ion:168 Resp: 119668
Ion Ratio Lower Upper
168 100
99 56.8 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.524 min Scan# 57
Delta R.T. 0.004 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Tgt Ion: 50 Resp: 350
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

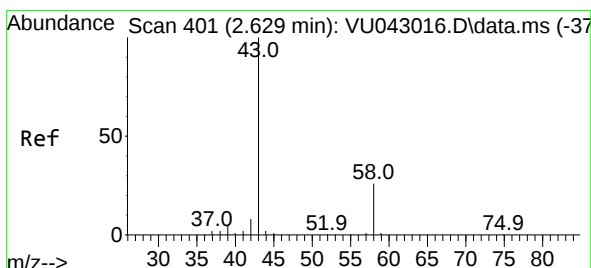
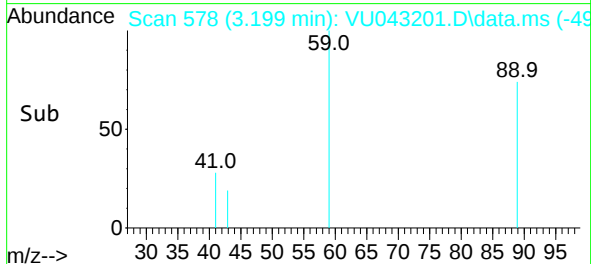
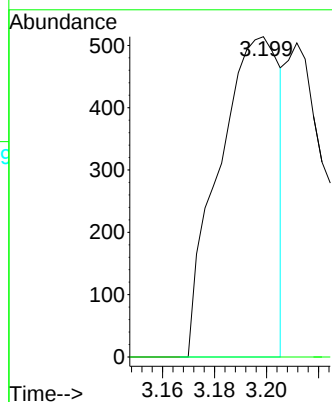
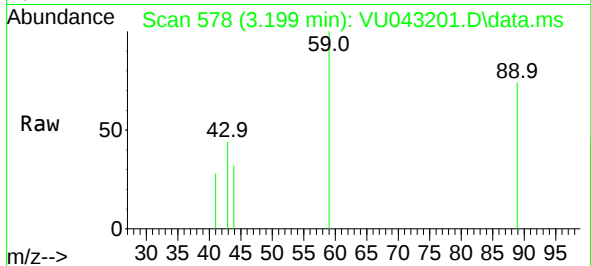




#11
Tert butyl alcohol
Concen: 1.60 ug/l
RT: 3.199 min Scan# 578
Delta R.T. -0.025 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

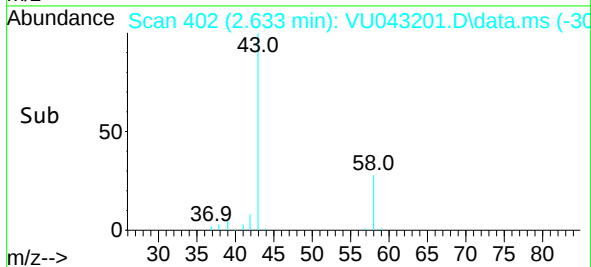
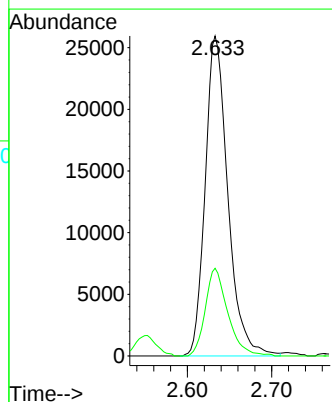
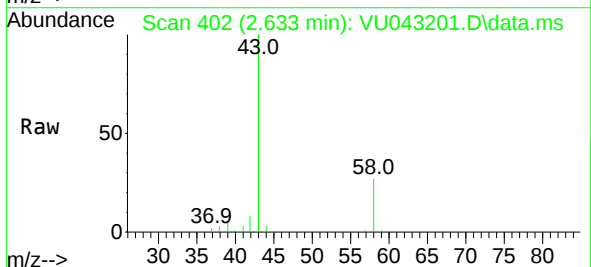
Instrument :
MSVOA_U
ClientSampled :

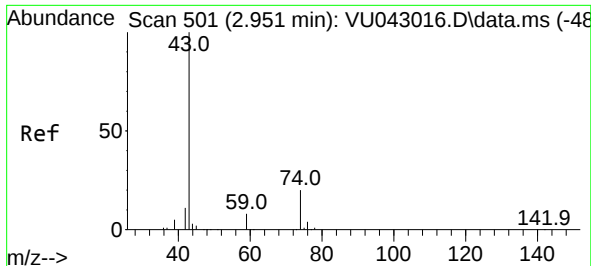
Tgt Ion: 59 Resp: 830
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



#16
Acetone
Concen: 40.77 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Tgt Ion: 43 Resp: 48574
Ion Ratio Lower Upper
43 100
58 27.4 21.5 32.3

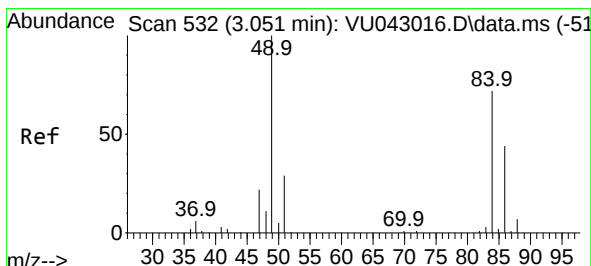
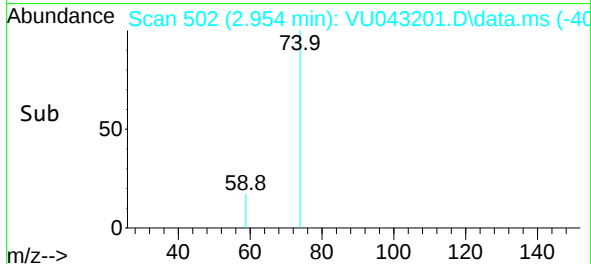
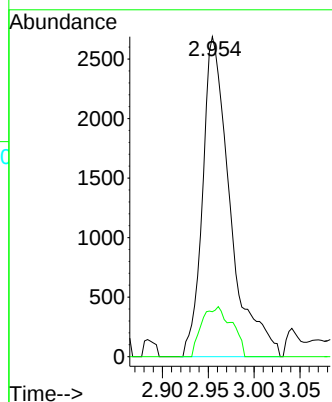
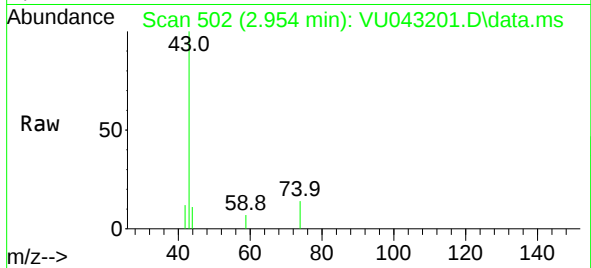




#18
Methyl Acetate
Concen: 2.23 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

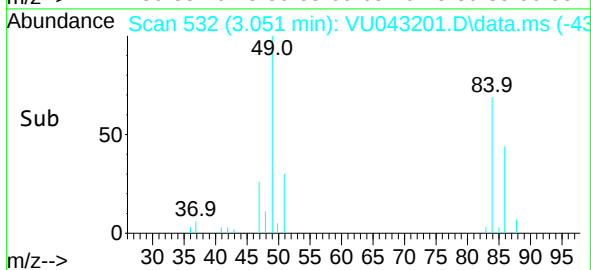
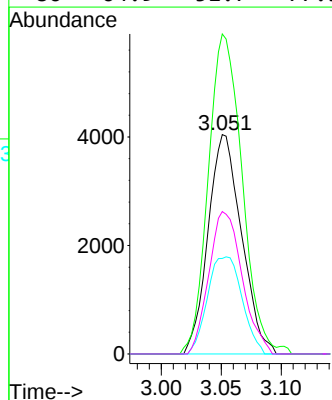
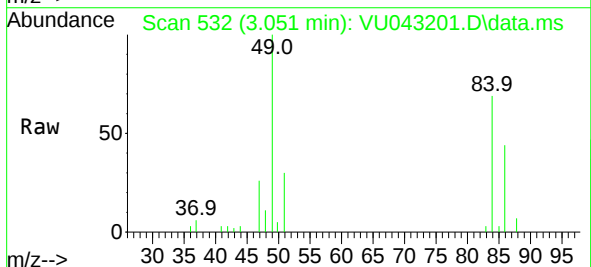
Instrument :
MSVOA_U
ClientSampled :

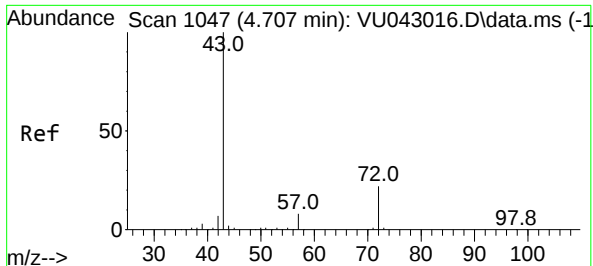
Tgt Ion: 43 Resp: 5614
Ion Ratio Lower Upper
43 100
74 17.0 16.6 25.0



#20
Methylene Chloride
Concen: 5.49 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Tgt Ion: 84 Resp: 7839
Ion Ratio Lower Upper
84 100
49 145.9 112.6 169.0
51 43.5 33.7 50.5
86 64.9 51.7 77.5

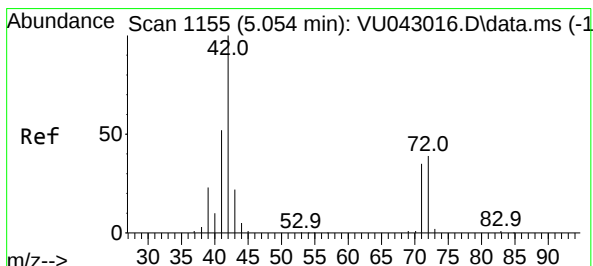
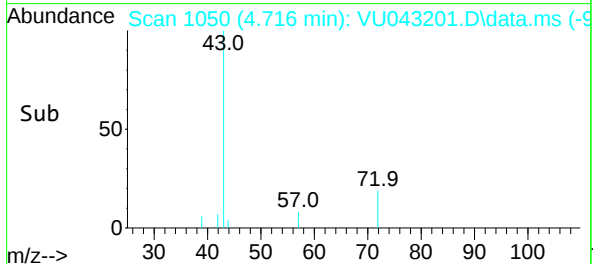
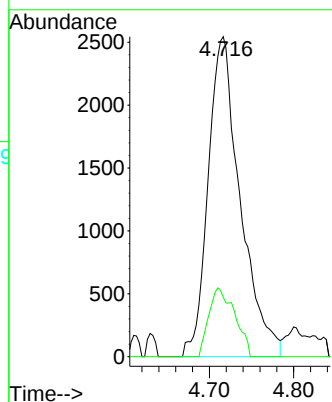
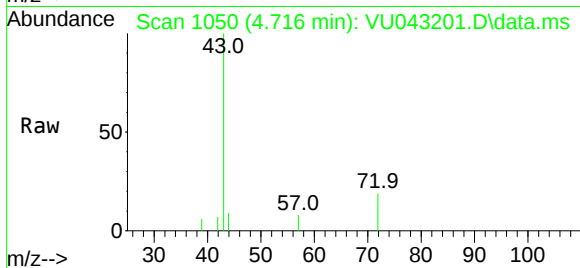




#25
2-Butanone
Concen: 3.69 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.009 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

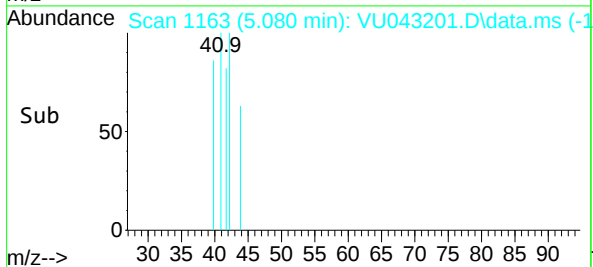
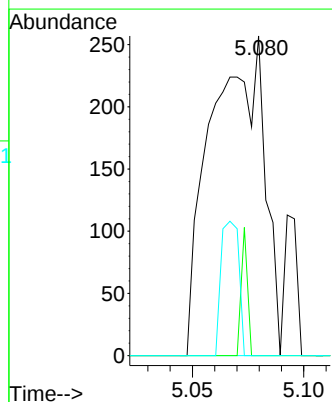
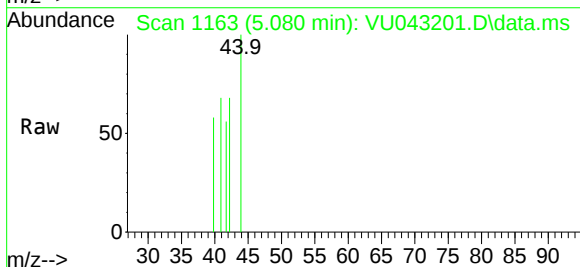
Instrument :
MSVOA_U
ClientSampled :

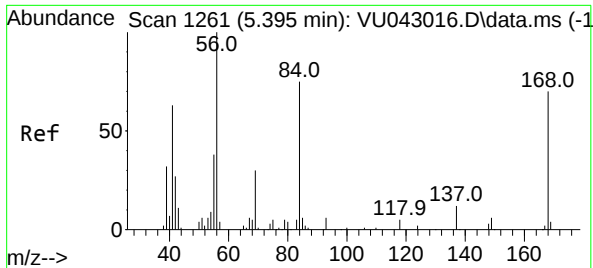
Tgt Ion: 43 Resp: 6739
Ion Ratio Lower Upper
43 100
72 18.6 17.4 26.0



#29
Tetrahydrofuran
Concen: 0.37 ug/l
RT: 5.080 min Scan# 1163
Delta R.T. 0.026 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Tgt Ion: 42 Resp: 424
Ion Ratio Lower Upper
42 100
72 4.7 31.5 47.3#
71 14.2 29.5 44.3#

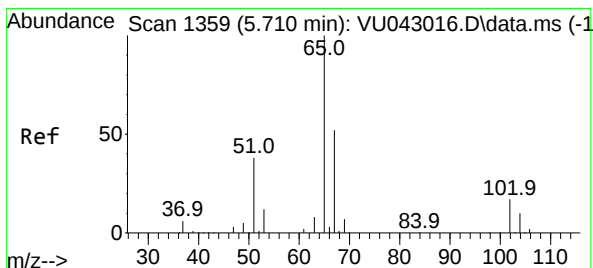
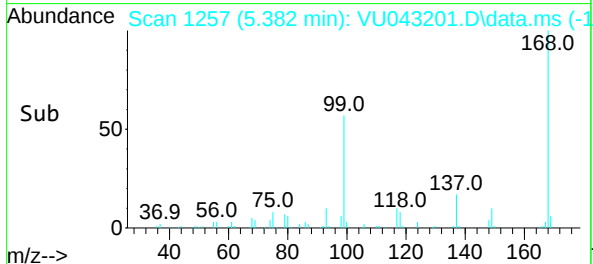
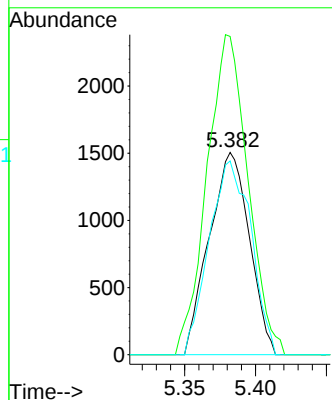
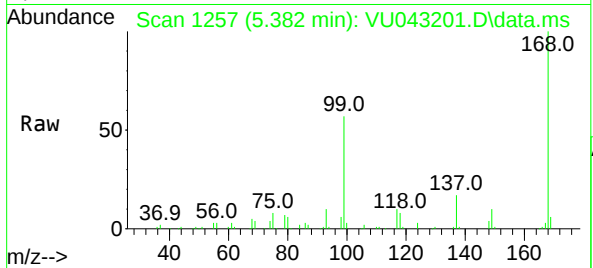




#31
Cyclohexane
Concen: 1.20 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

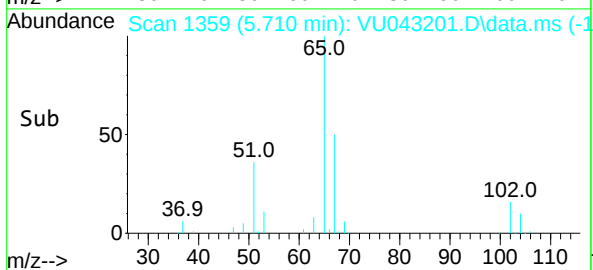
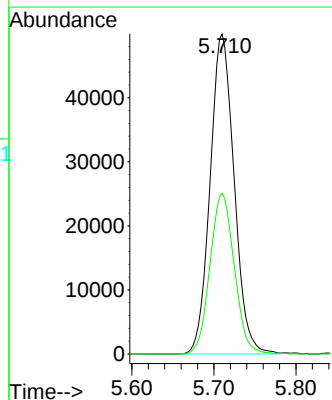
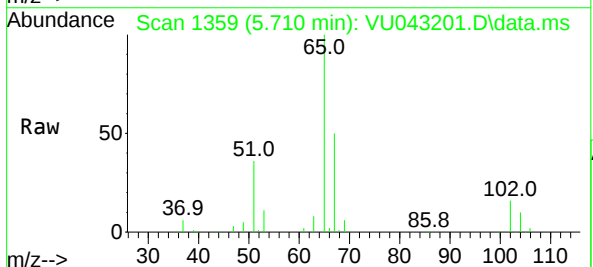
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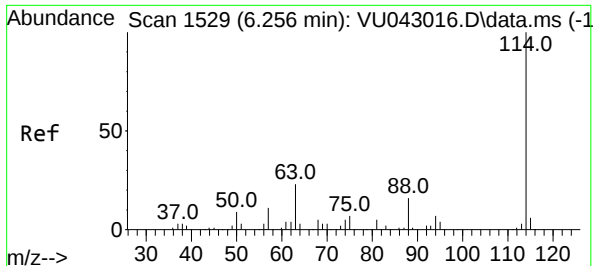
Tgt Ion: 56 Resp: 2968
Ion Ratio Lower Upper
56 100
69 149.9 24.9 37.3#
84 95.8 63.7 95.5#



#33
1,2-Dichloroethane-d4
Concen: 50.58 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Tgt Ion: 65 Resp: 101749
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.8

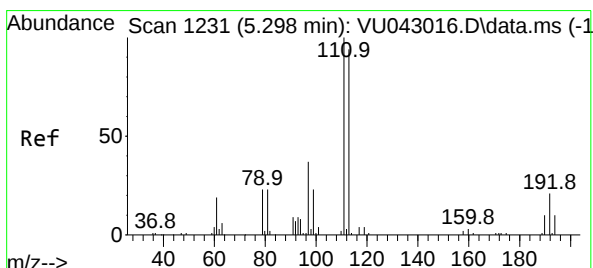
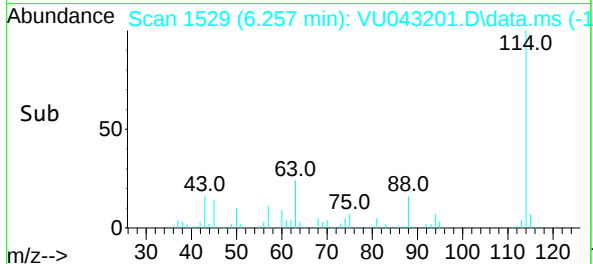
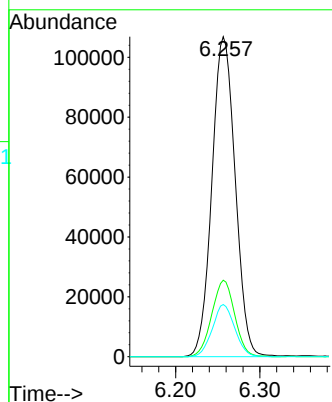
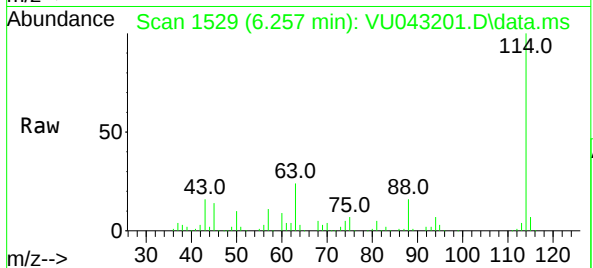




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.257 min Scan# 1529
Delta R.T. 0.001 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

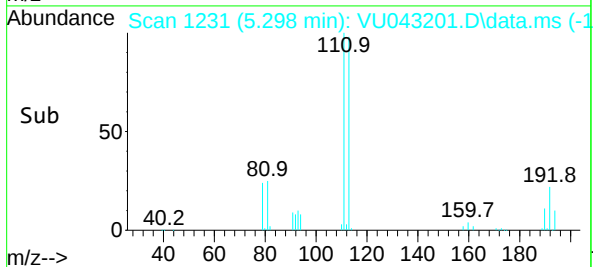
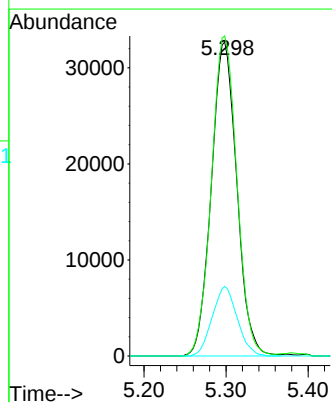
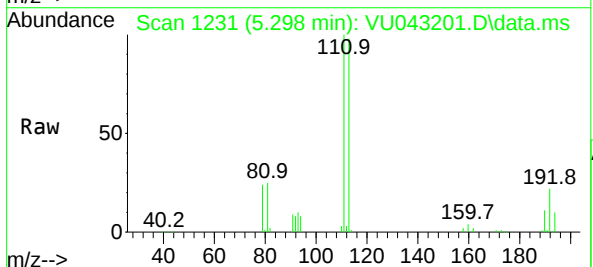
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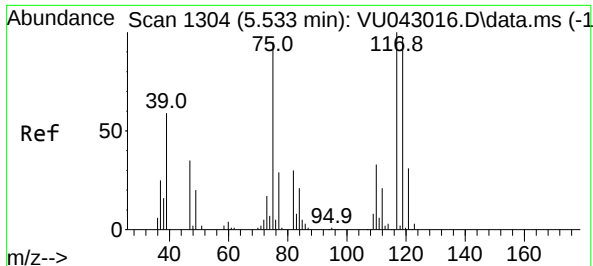
Tgt Ion:114 Resp: 204867
Ion Ratio Lower Upper
114 100
63 23.9 0.0 44.2
88 16.3 0.0 33.4



#35
Dibromofluoromethane
Concen: 45.82 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Tgt Ion:113 Resp: 70535
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.8
192 21.7 17.2 25.8

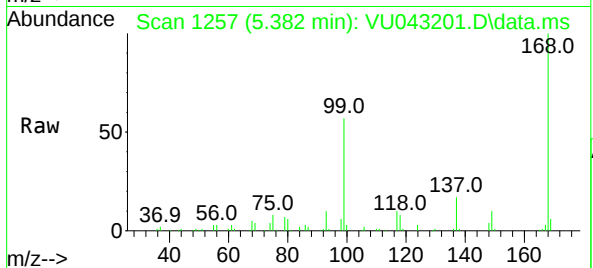




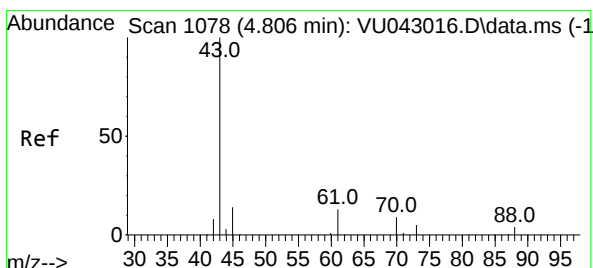
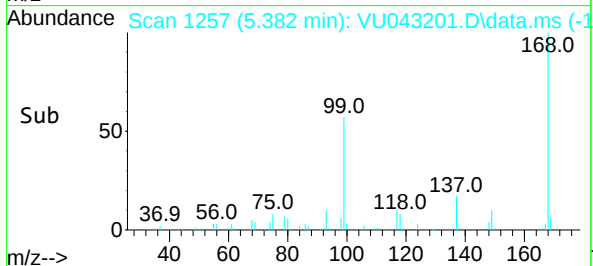
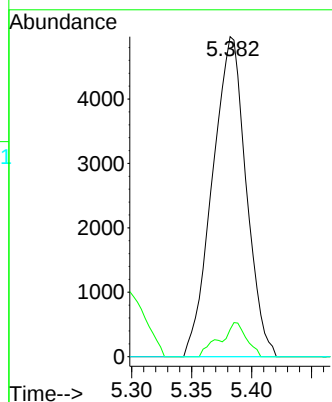
#36

1,1-Dichloropropene
Concen: 4.46 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Instrument :
MSVOA_U
ClientSampleId :



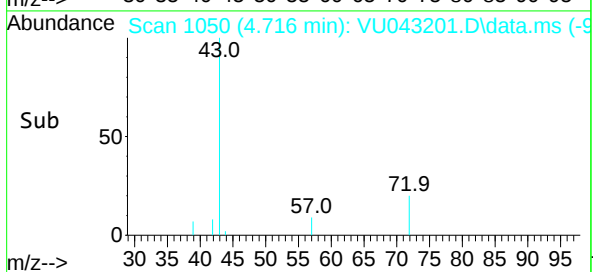
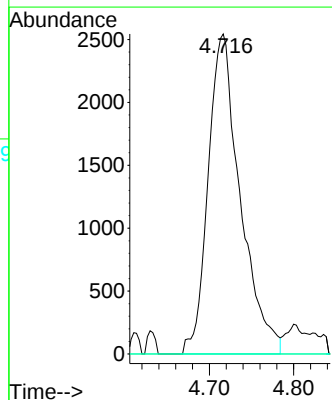
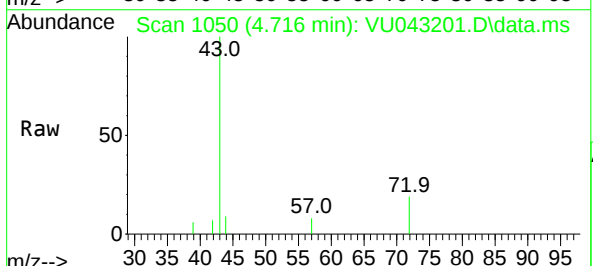
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Ion Ratio	Lower Upper
75 100	
110 8.3	16.8 50.3#
77 0.0	24.8 37.2#

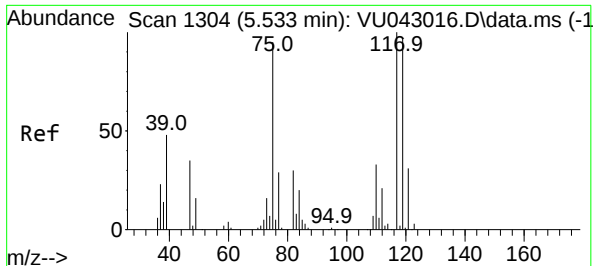


#37

Ethyl Acetate
Concen: 1.81 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. -0.090 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Tgt Ion: 43	Resp: 6739
Ion Ratio	Lower Upper
43 100	
61 0.0	10.1 15.1#
70 0.0	7.2 10.8#

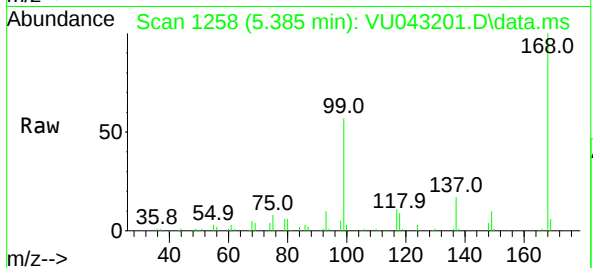




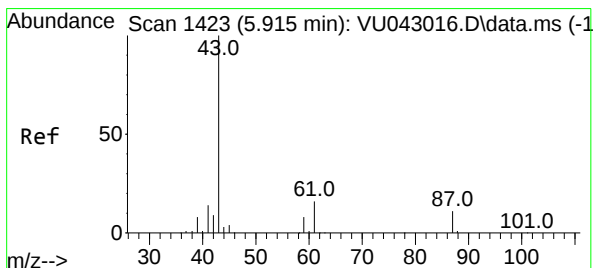
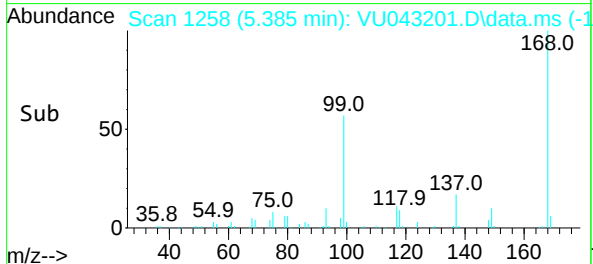
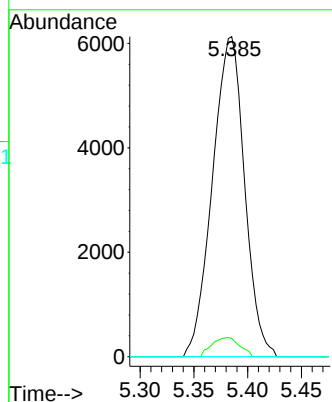
#38

Carbon Tetrachloride
Concen: 5.46 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Instrument :
MSVOA_U
ClientSampleId :

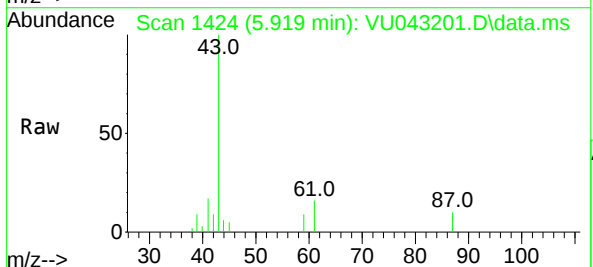


Tgt Ion:117 Resp: 12726
Ion Ratio Lower Upper
117 100
119 5.7 75.5 113.3#
121 0.0 24.7 37.1#

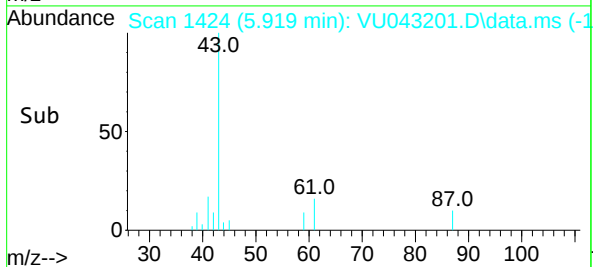
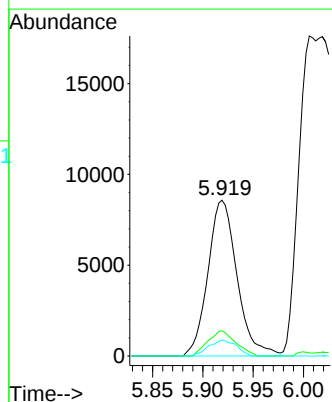


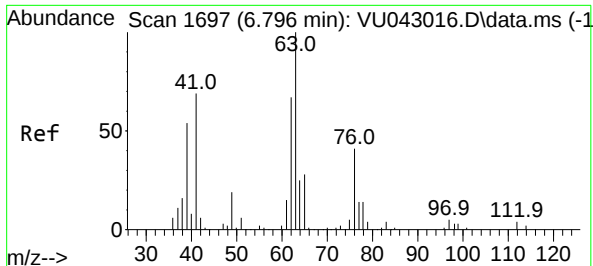
#43

Isopropyl Acetate
Concen: 3.26 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.004 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58



Tgt Ion: 43 Resp: 17271
Ion Ratio Lower Upper
43 100
61 15.4 14.4 21.6
87 9.6 8.8 13.2

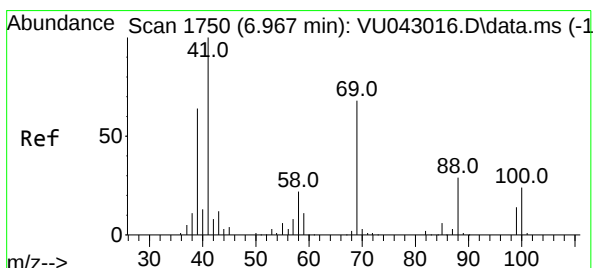
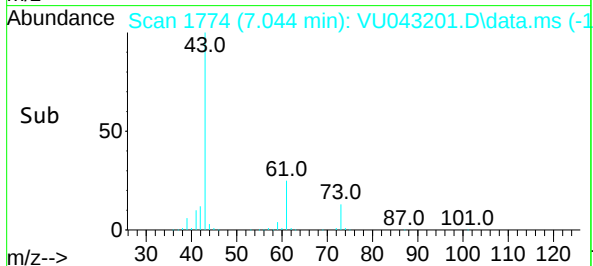
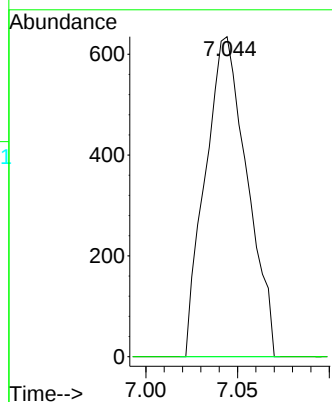
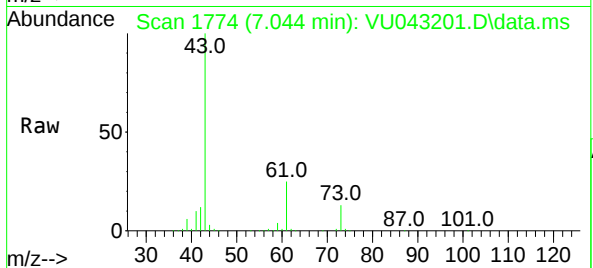




#45
1,2-Dichloropropane
Concen: 0.58 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.248 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

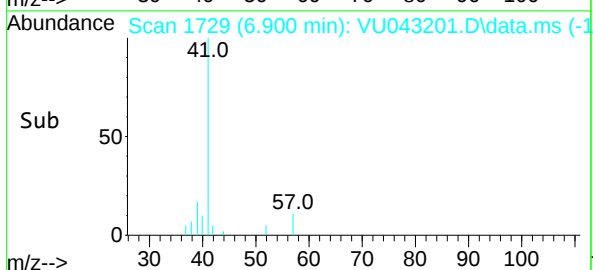
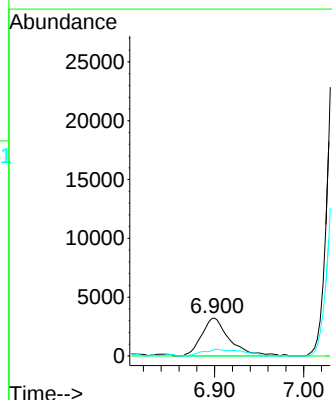
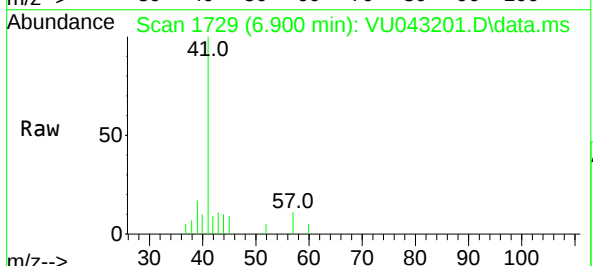
Instrument :
MSVOA_U
ClientSampled :

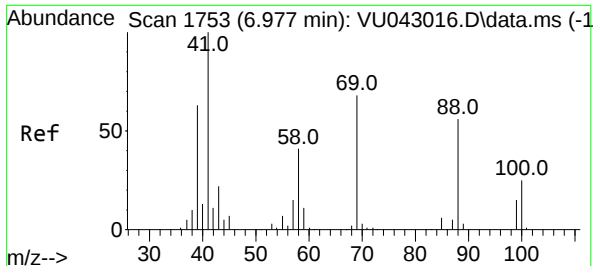
Tgt Ion: 63 Resp: 1005
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#



#48
Methyl methacrylate
Concen: 2.63 ug/l
RT: 6.900 min Scan# 1729
Delta R.T. -0.067 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Tgt Ion: 41 Resp: 6988
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: 1.13 ug/l

RT: 7.051 min Scan# 1776

Delta R.T. 0.074 min

Lab File: VU043201.D

Acq: 19 Apr 2021 17:58

Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

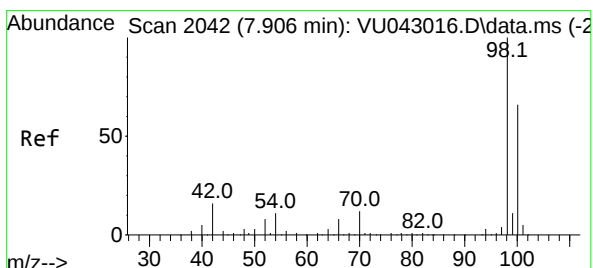
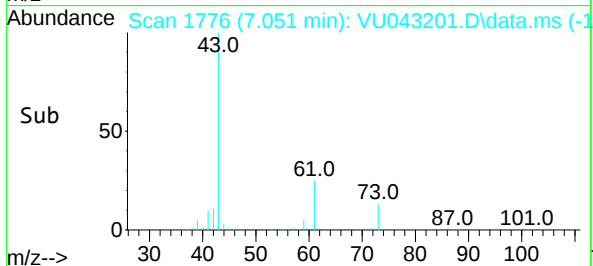
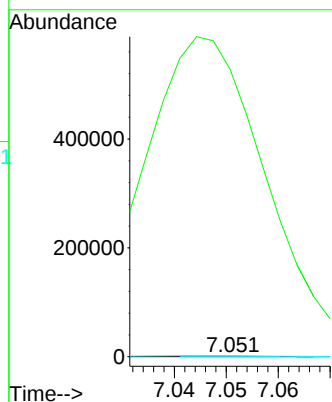
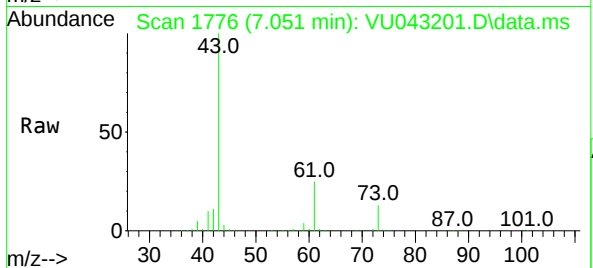
43 1695403.3 0.0 0.0#

58 6556.7 60.4 90.6#

Instrument :

MSVOA_U

ClientSampled :



#50

Toluene-d8

Concen: 47.74 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU043201.D

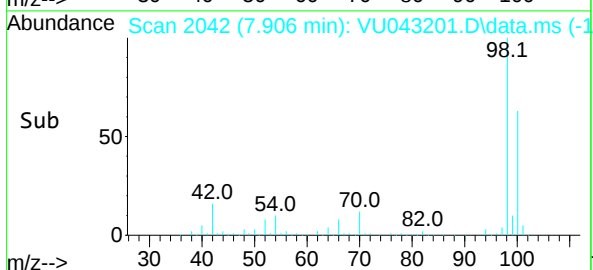
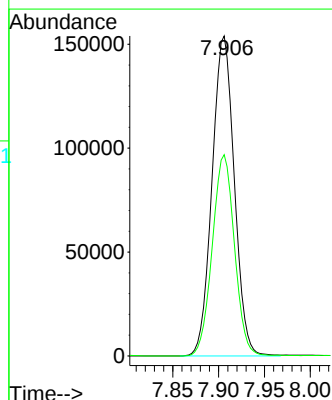
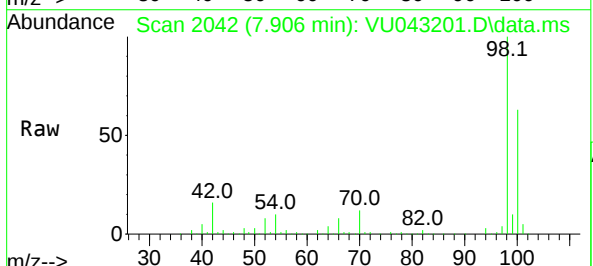
Acq: 19 Apr 2021 17:58

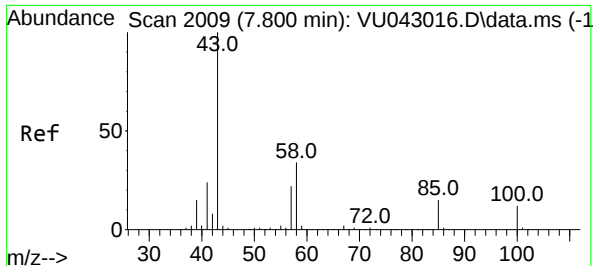
Tgt Ion: 98 Resp: 260078

Ion Ratio Lower Upper

98 100

100 62.8 50.2 75.2

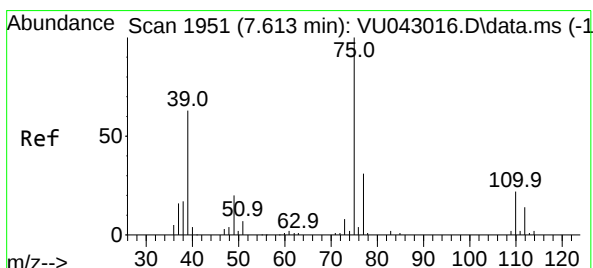
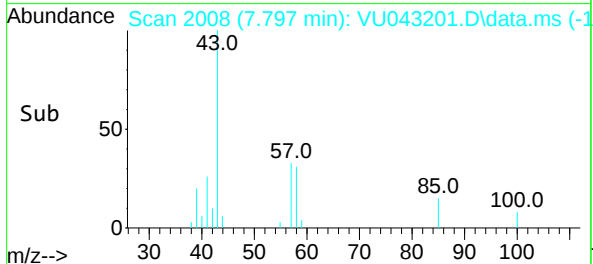
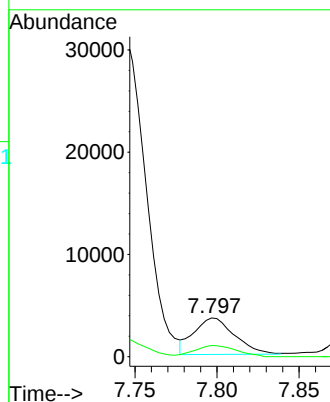
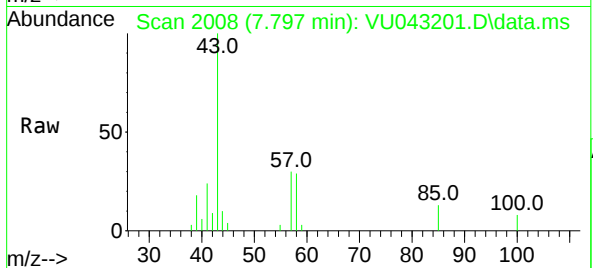




#51
4-Methyl-2-Pentanone
Concen: 1.57 ug/l
RT: 7.797 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

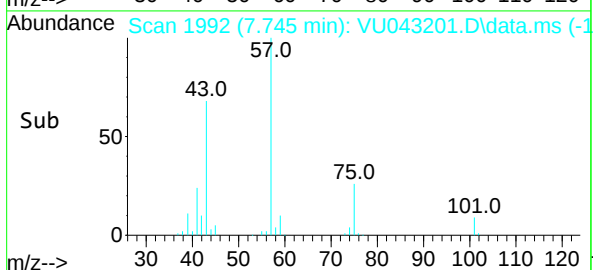
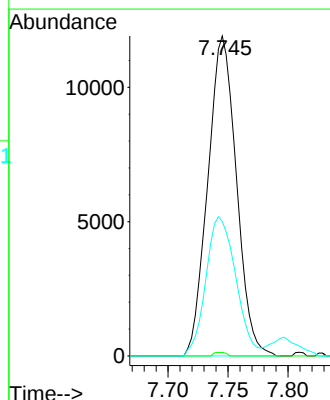
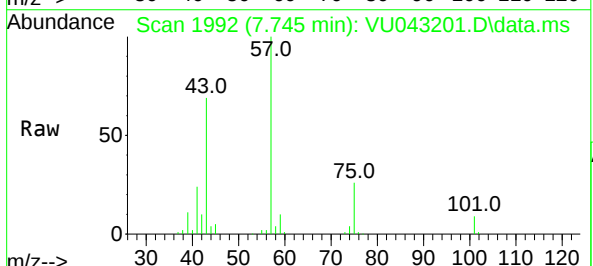
Instrument :
MSVOA_U
ClientSampled :

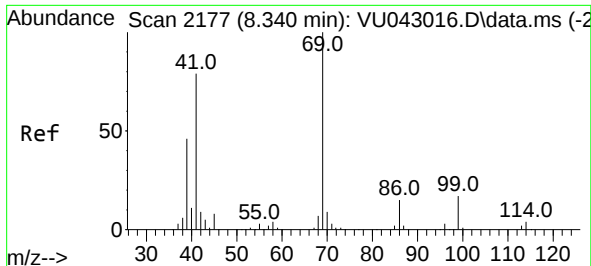
Tgt Ion: 43 Resp: 6153
Ion Ratio Lower Upper
43 100
58 31.2 28.1 42.1



#54
cis-1,3-Dichloropropene
Concen: 7.25 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Tgt Ion: 75 Resp: 19738
Ion Ratio Lower Upper
75 100
77 1.1 24.6 37.0#
39 42.1 46.1 69.1#

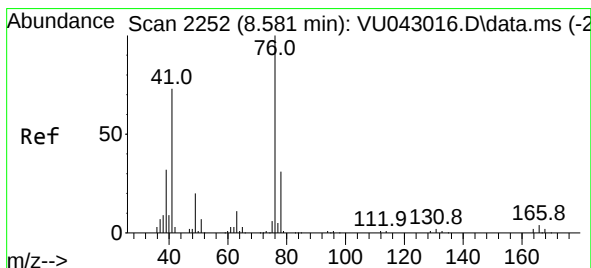
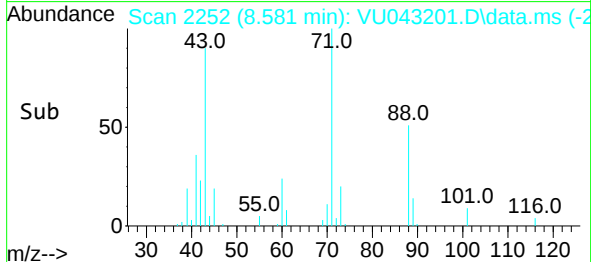
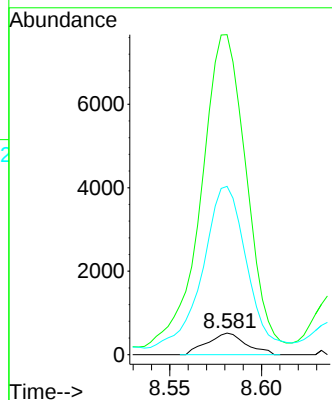
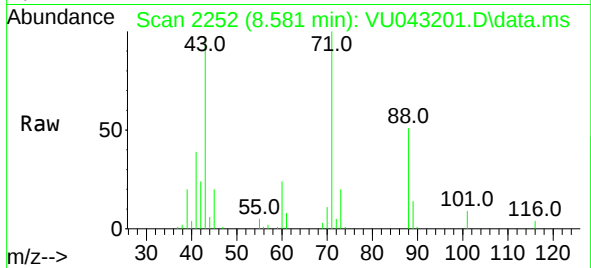




#56
Ethyl methacrylate
Concen: 0.28 ug/l
RT: 8.581 min Scan# 2252
Delta R.T. 0.241 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

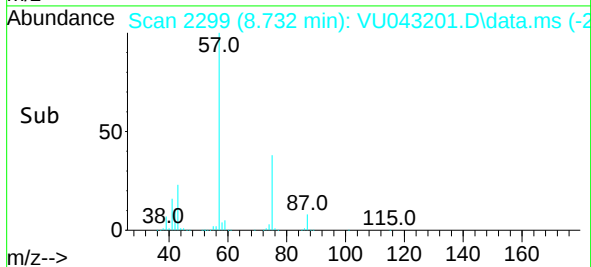
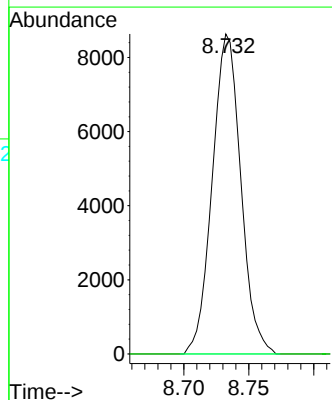
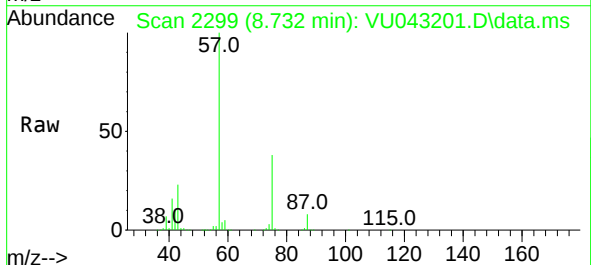
Instrument :
MSVOA_U
ClientSampleId :

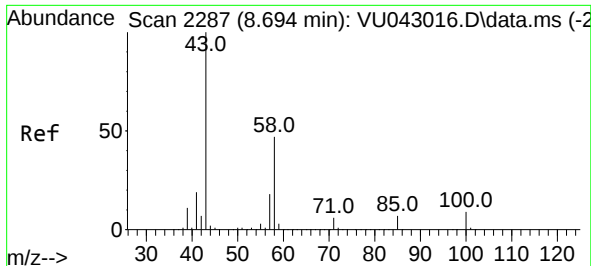
Tgt Ion: 69 Resp: 758
Ion Ratio Lower Upper
69 100
41 1808.7 62.8 94.2#
39 955.5 36.2 54.2#



#57
1,3-Dichloropropane
Concen: 4.61 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Tgt Ion: 76 Resp: 13161
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

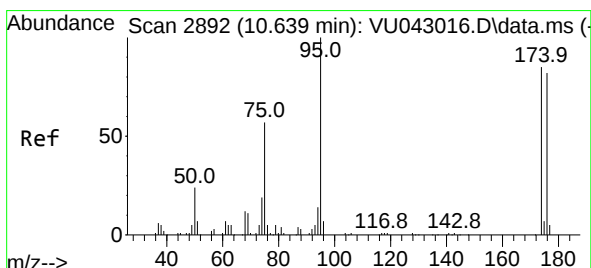
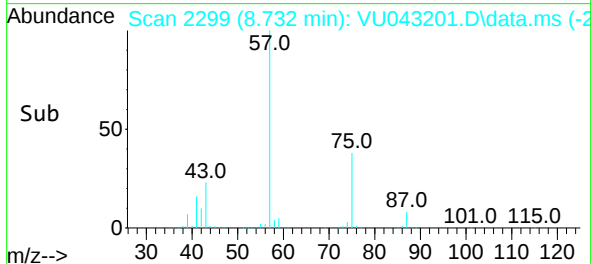
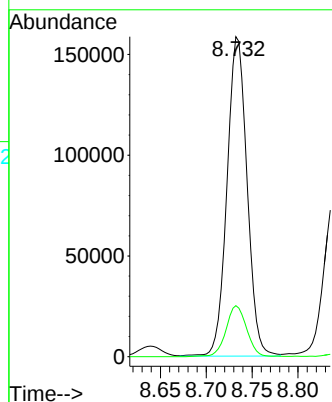
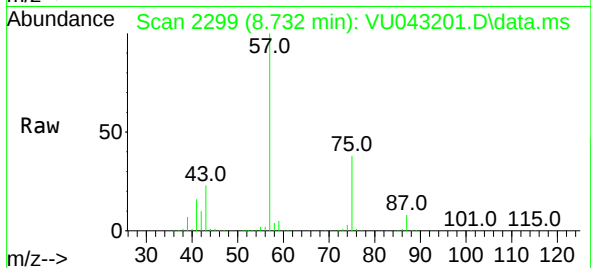




#59
2-Hexanone
Concen: 74.57 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

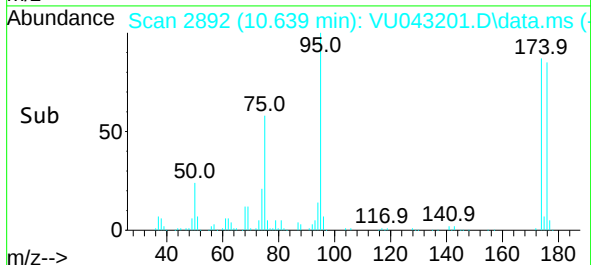
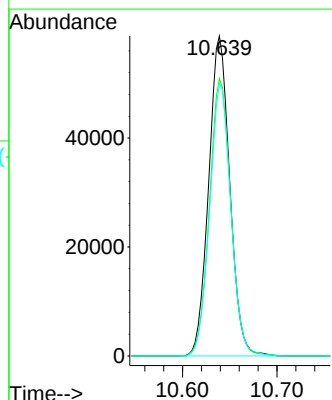
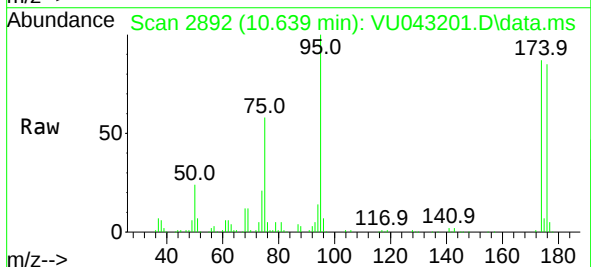
Instrument :
MSVOA_U
ClientSampled :

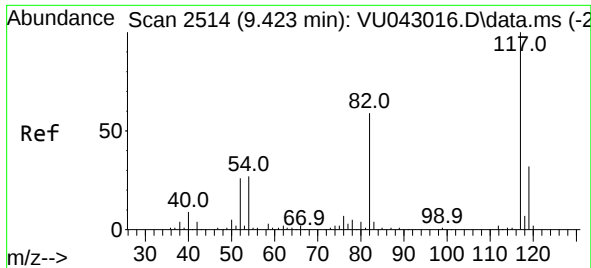
Tgt Ion: 43 Resp: 240761
Ion Ratio Lower Upper
43 100
58 16.5 24.0 72.0#



#62
4-Bromofluorobenzene
Concen: 41.74 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Tgt Ion: 95 Resp: 91053
Ion Ratio Lower Upper
95 100
174 88.0 0.0 172.2
176 85.5 0.0 168.8

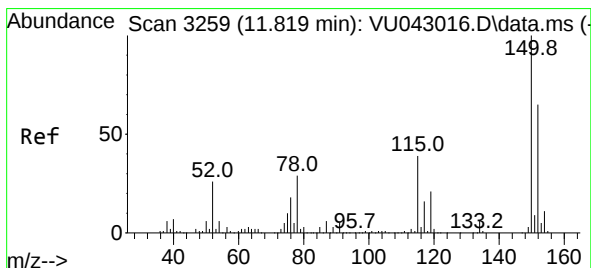
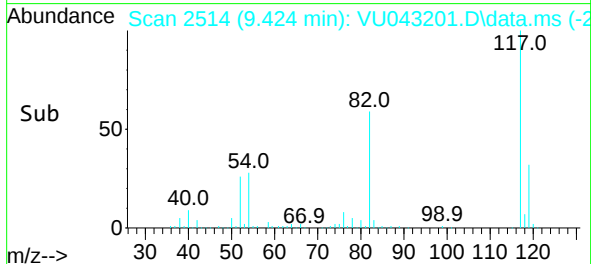
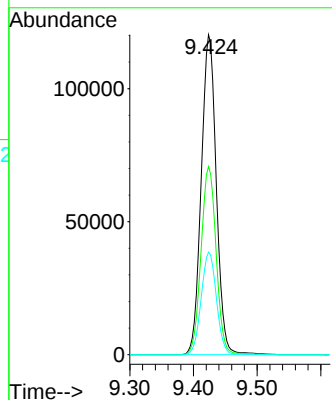
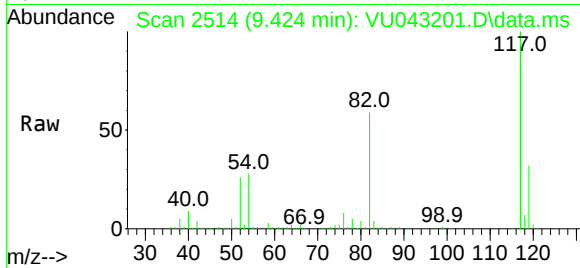




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.424 min Scan# 2514
Delta R.T. 0.001 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

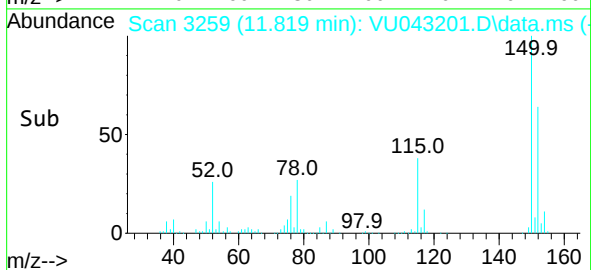
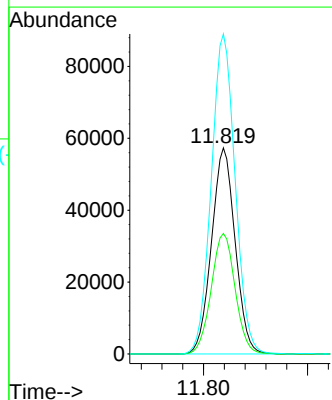
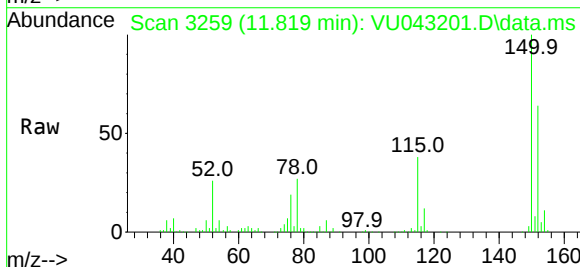
Instrument :
MSVOA_U
ClientSampleId :

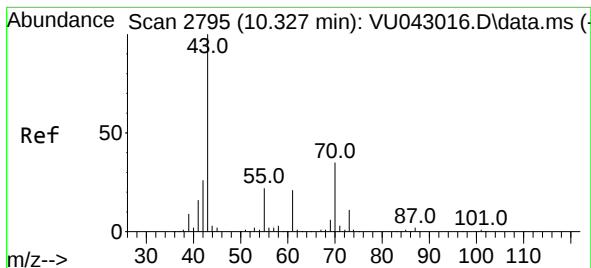
Tgt Ion:117 Resp: 197873
Ion Ratio Lower Upper
117 100
82 58.8 45.8 68.6
119 32.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.000 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Tgt Ion:152 Resp: 90405
Ion Ratio Lower Upper
152 100
115 59.2 41.5 124.6
150 156.7 0.0 342.4

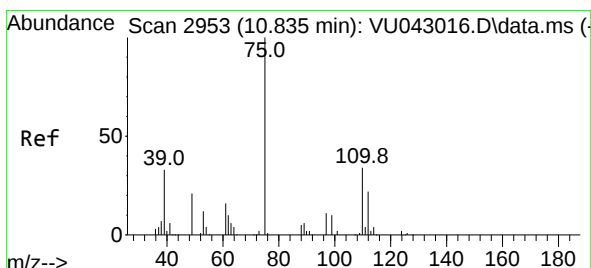
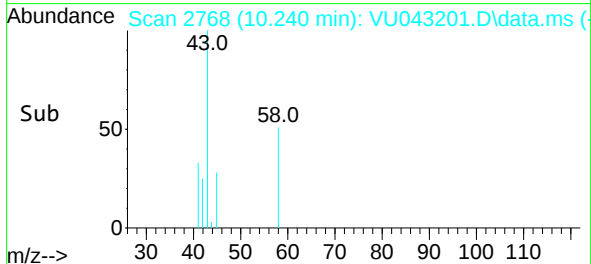
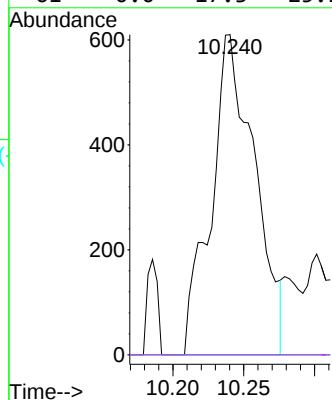
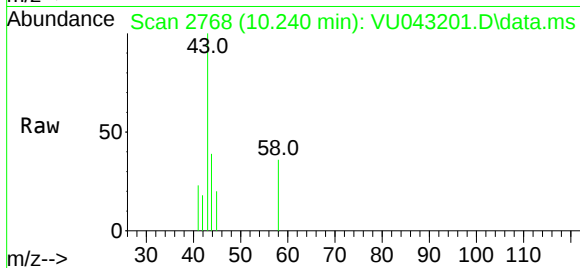




#74
N-amy1 acetate
Concen: 0.34 ug/l
RT: 10.240 min Scan# 2768
Delta R.T. -0.087 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

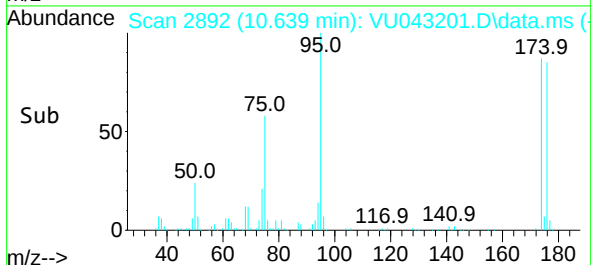
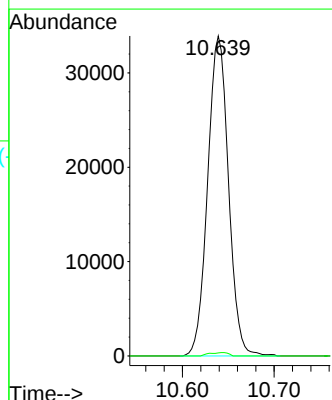
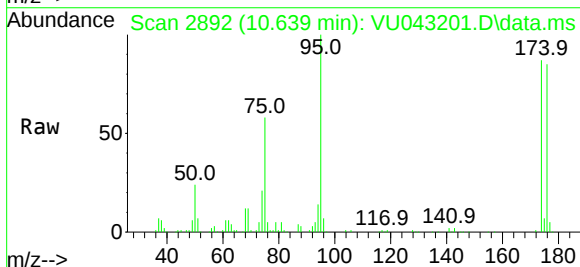
Instrument :
MSVOA_U
ClientSampleId :

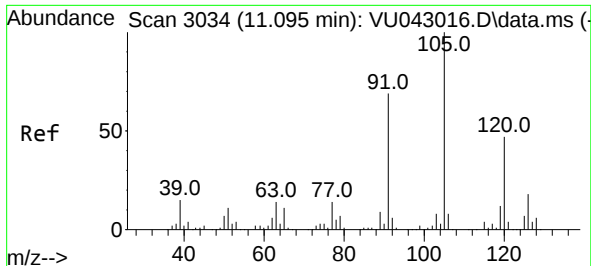
Tgt Ion:	43	Resp:	1307
Ion	Ratio	Lower	Upper
43	100		
70	0.0	28.3	42.5#
55	0.0	17.2	25.8#
61	0.0	17.3	25.9#



#76
1,2,3-Trichloropropane
Concen: 20.25 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Tgt Ion:	75	Resp:	53487
Ion	Ratio	Lower	Upper
75	100		
77	1.0	20.2	60.5#

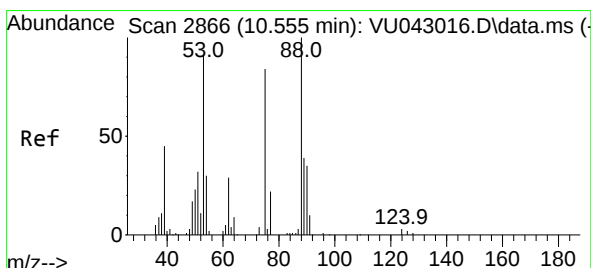
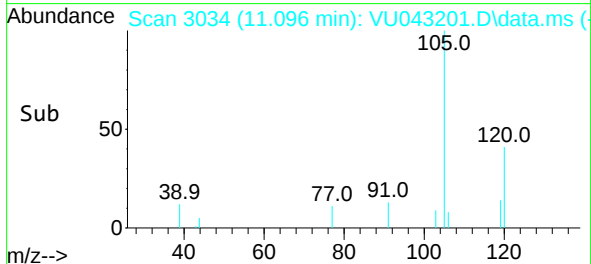
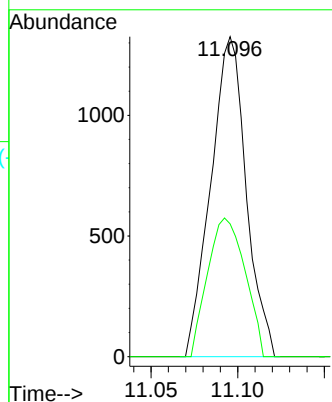
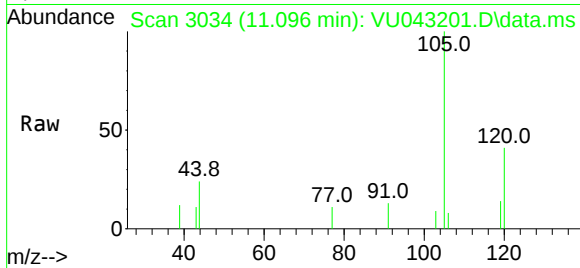




#80
1,3,5-Trimethylbenzene
Concen: 0.35 ug/l
RT: 11.096 min Scan# 3034
Delta R.T. 0.001 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

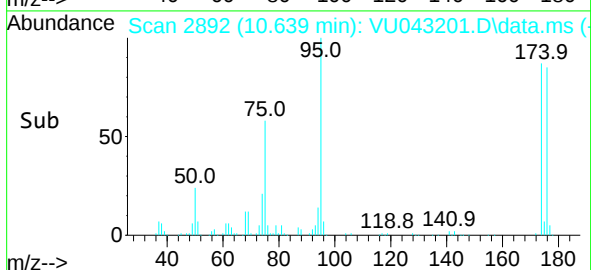
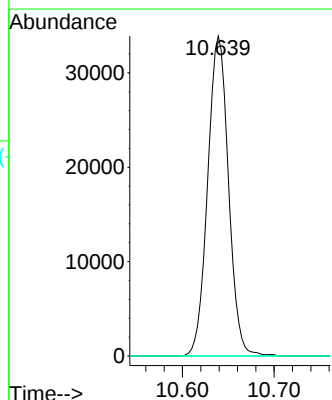
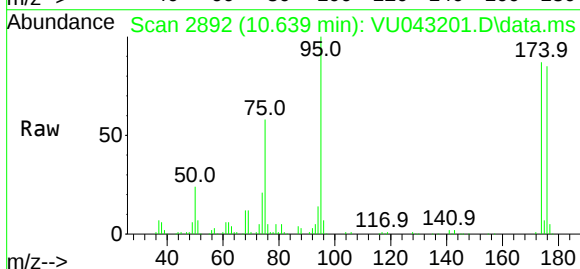
Instrument :
MSVOA_U
ClientSampleId :

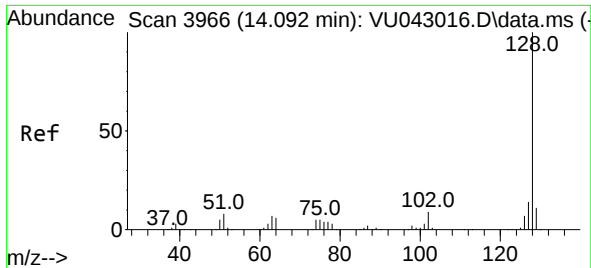
Tgt Ion:105 Resp: 1881
Ion Ratio Lower Upper
105 100
120 45.8 23.8 71.4



#81
trans-1,4-Dichloro-2-butene
Concen: 59.49 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

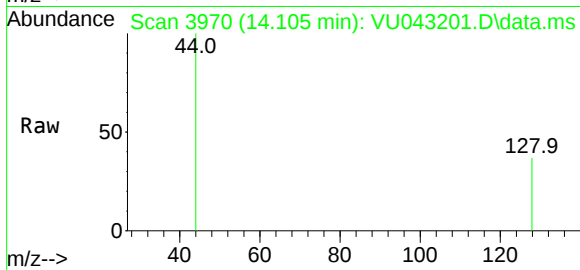
Tgt Ion: 75 Resp: 53487
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#





#95
Naphthalene
Concen: 2.76 ug/l
RT: 14.105 min Scan# 3970
Delta R.T. 0.013 min
Lab File: VU043201.D
Acq: 19 Apr 2021 17:58

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 126
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

