

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027273.D
 Acq On : 28 Sep 2018 15:52
 Operator : MD/SY
 Sample : J5041-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 28 17:38:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	118964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	198071	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	185340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94319	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	107447	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	
35) Dibromofluoromethane	4.88	113	76842	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
50) Toluene-d8	7.57	98	312152	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	10.31	95	106648	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds

					Qvalue	
3) Chloromethane	1.33	50	671	0.251	ug/l	# 87
11) Tert butyl alcohol	2.83	59	1102	2.008	ug/l	# 72
13) Acrolein	2.31	56	16782	56.727	ug/l	# 69
14) Allyl chloride	2.71	41	35397	10.622	ug/l	# 59
15) Acrylonitrile	3.00	53	7437	5.377	ug/l	# 38
16) Acetone	2.31	43	50732	24.954	ug/l	# 54
18) Methyl Acetate	2.71	43	96746	28.388	ug/l	# 55
20) Methylene Chloride	2.71	84	625	0.291	ug/l	# 1
25) 2-Butanone	4.23	43	2634	1.309	ug/l	# 53
26) 2,2-Dichloropropane	4.09	77	2303	0.752	ug/l	# 55
29) Tetrahydrofuran	4.74	42	921	0.757	ug/l	# 1
31) Cyclohexane	5.00	56	288374	81.166	ug/l	100
36) 1,1-Dichloropropene	4.98	75	10795	4.084	ug/l	# 77
37) Ethyl Acetate	4.23	43	2634	0.736	ug/l	# 70
38) Carbon Tetrachloride	4.98	117	11856	4.713	ug/l	# 18
39) Methylcyclohexane	6.42	83	278165	96.830	ug/l	99
40) Benzene	5.40	78	2079	0.259	ug/l	96
41) Methacrylonitrile	4.74	41	5459	2.937	ug/l	# 52
43) Isopropyl Acetate	5.56	43	2962	0.568	ug/l	# 62
45) 1,2-Dichloropropane	6.42	63	2665	1.164	ug/l	# 1
47) Bromodichloromethane	6.74	83	702	0.251	ug/l	# 87
48) Methyl methacrylate	6.64	41	13709	5.740	ug/l	# 53
51) 4-Methyl-2-Pentanone	7.53	43	2971	0.846	ug/l	# 38
52) Toluene	7.64	92	1157	0.251	ug/l	83
55) 1,1,2-Trichloroethane	8.05	97	16482	8.444	ug/l	# 17
56) Ethyl methacrylate	8.05	69	4431	3.444	ug/l	# 5
59) 2-Hexanone	8.33	43	1322	0.481	ug/l	# 26
67) Ethyl Benzene	9.25	91	4496	0.556	ug/l	94
68) m/p-Xylenes	9.38	106	413	1.625	ug/l	# 37
73) Isopropylbenzene	10.17	105	26941	3.755	ug/l	99
74) N-amyl acetate	10.03	43	1555	0.374	ug/l	# 55
76) 1,2,3-Trichloropropane	10.31	75	56886	19.853	ug/l	# 36
78) n-propylbenzene	10.59	91	16509	1.945	ug/l	99
79) 2-Chlorotoluene	10.59	91	16509	3.096	ug/l	# 43

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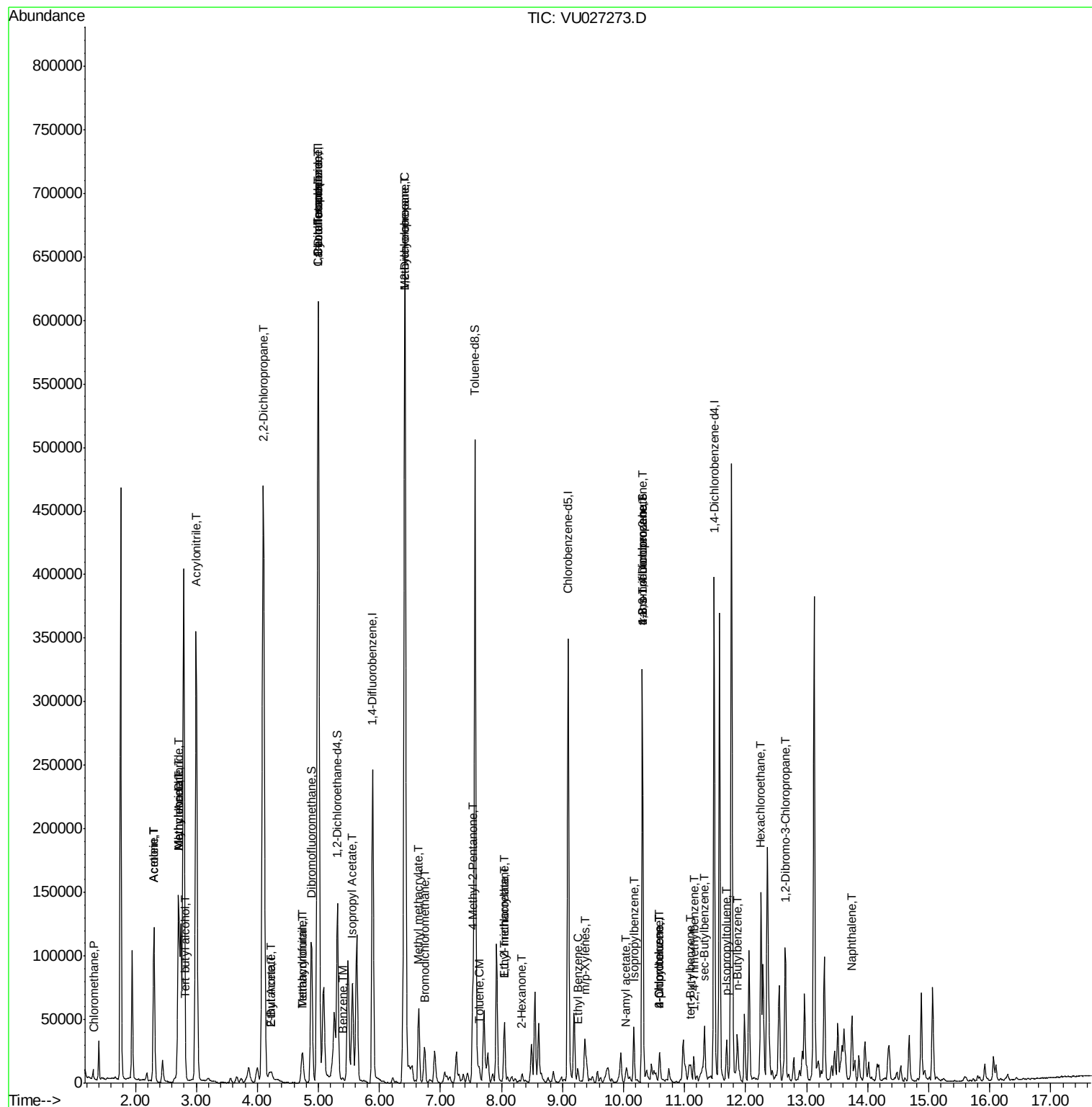
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	10.31	75	56886	63.533	ug/l #	100
82) 4-Chlorotoluene	10.59	91	16509	2.761	ug/l #	47
83) tert-Butylbenzene	11.10	119	5244	0.896	ug/l	81
84) 1,2,4-Trimethylbenzene	11.15	105	10685	1.773	ug/l	99
85) sec-Butylbenzene	11.32	105	20757	2.904	ug/l	98
86) p-Isopropyltoluene	11.69	119	15288	3.165	ug/l	96
89) n-Butylbenzene	11.87	91	3579	2.917	ug/l #	1
90) Hexachloroethane	12.25	117	7710	5.932	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	12.65	75	476	0.707	ug/l #	7
95) Naphthalene	13.74	128	36459	6.200	ug/l	98

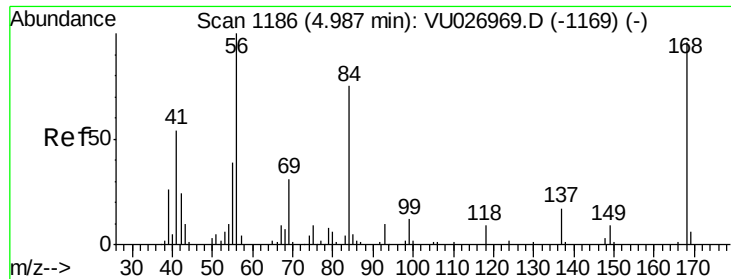
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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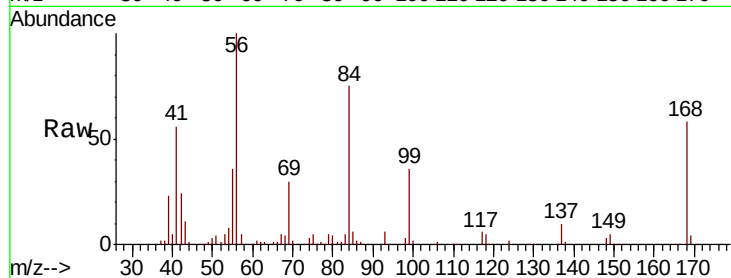




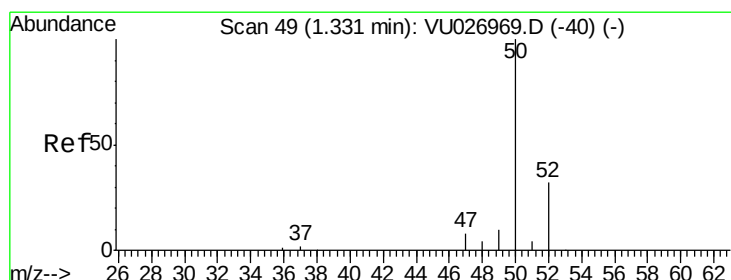
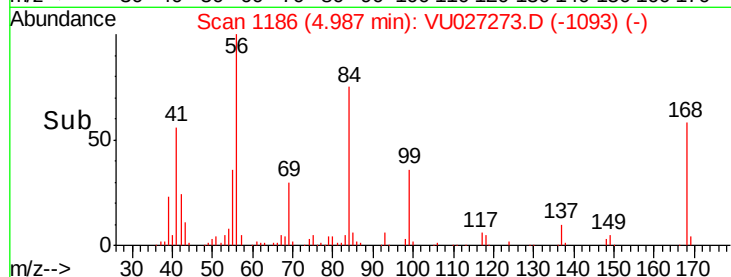
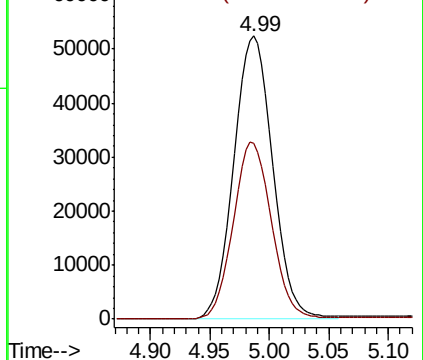
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 118964
Ion Ratio Lower Upper
168 100
99 62.1 48.1 72.1

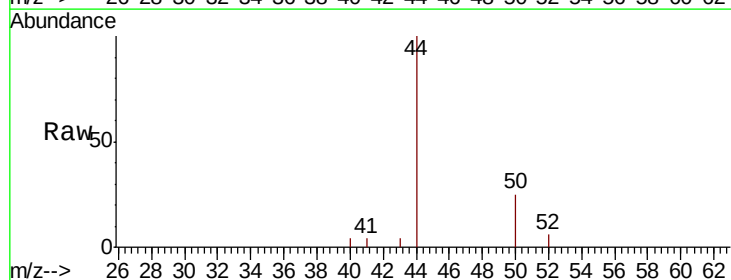


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)
Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

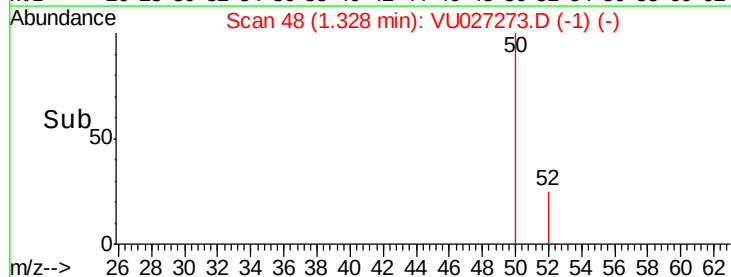
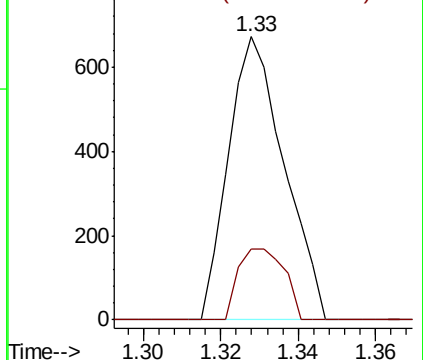


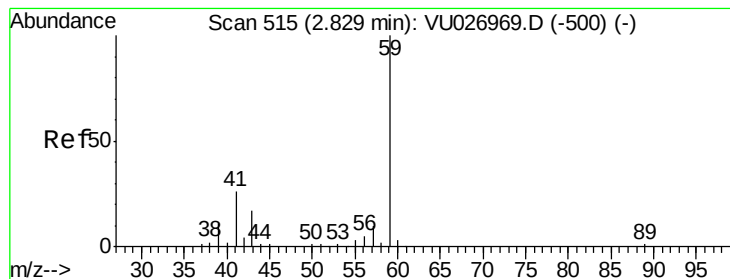
#3
Chloromethane
Concen: 0.251 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

Tgt Ion: 50 Resp: 671
Ion Ratio Lower Upper
50 100
52 24.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VU026969.D (-40) (-)
Ion 51.90 (51.60 to 52.60): VU026969.D (-40) (-)



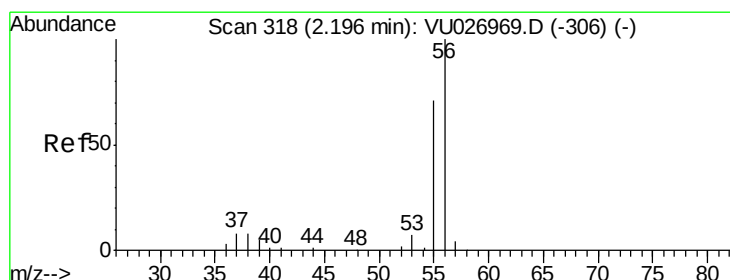
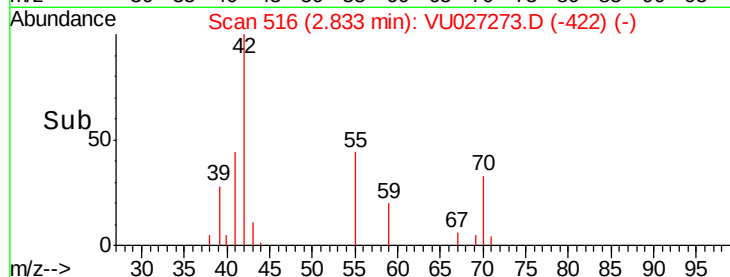
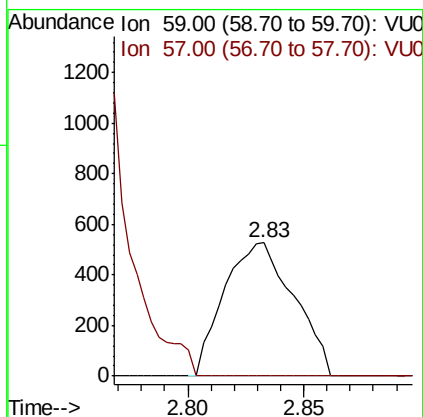
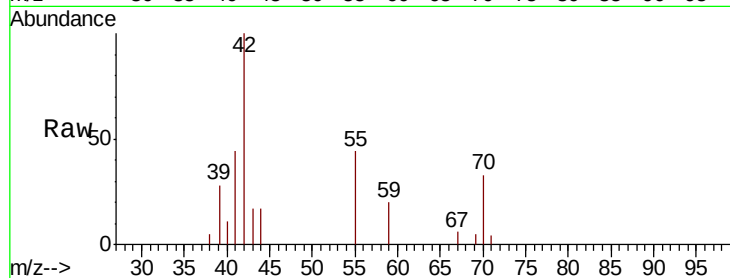


#11

Tert butyl alcohol
 Concen: 2.008 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Instrument :
 MSVOA_U
 ClientSampled :

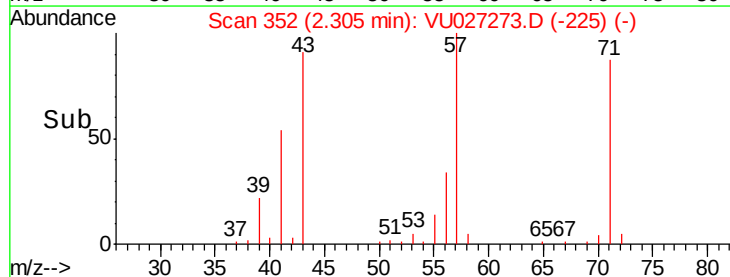
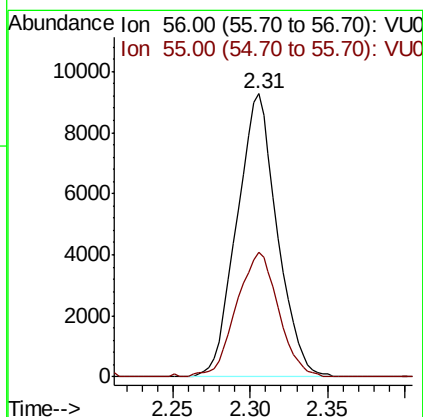
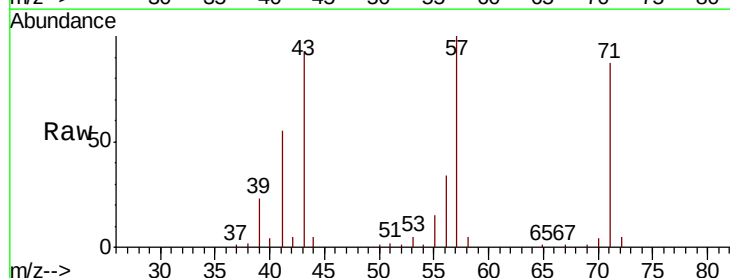
Tot Ion: 59 Resp: 1102
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

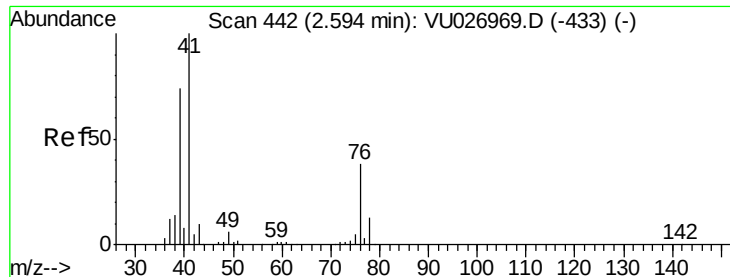


#13

Acrolein
 Concen: 56.727 ug/l
 RT: 2.31 min Scan# 352
 Delta R.T. 0.11 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Tgt Ion: 56 Resp: 16782
 Ion Ratio Lower Upper
 56 100
 55 45.9 57.1 85.7#

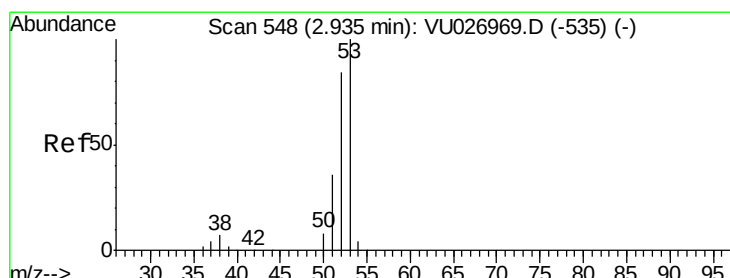
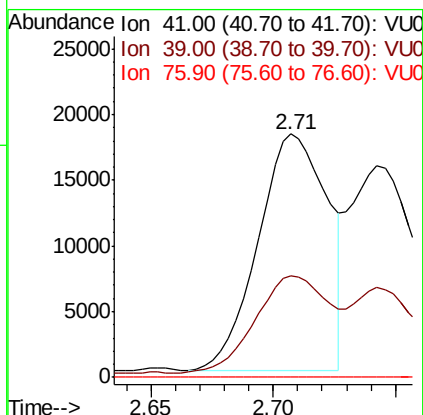
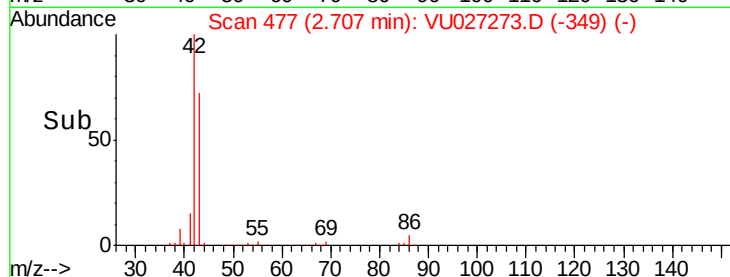
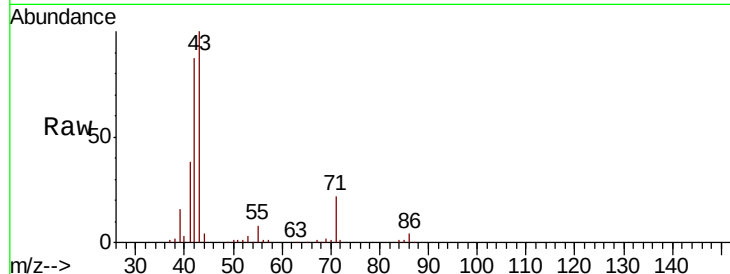




#14
 Allvl chloride
 Concen: 10.622 ug/l
 RT: 2.71 min Scan# 477
 Delta R.T. 0.11 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

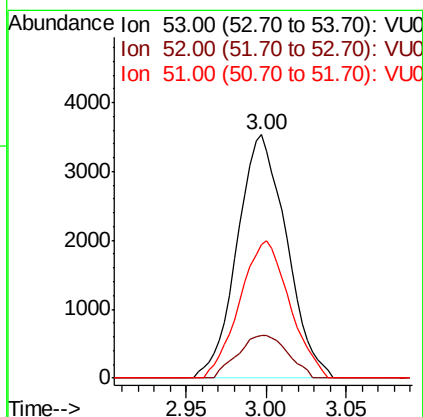
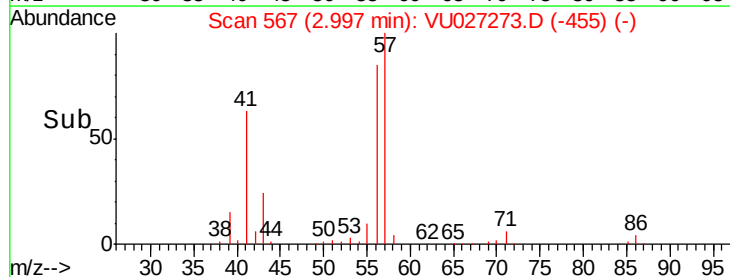
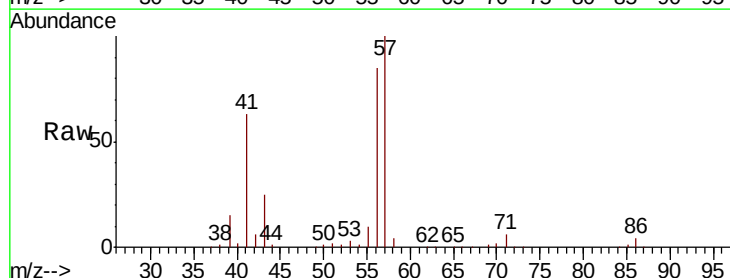
Instrument :
 MSVOA_U
 ClientSampled :

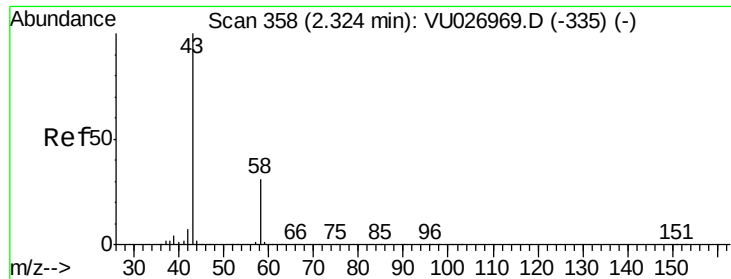
Tot Ion	Ratio	Lower	Upper
41	100		
39	42.7	55.7	83.5#
76	0.0	26.5	39.7#



#15
 Acrylonitrile
 Concen: 5.377 ug/l
 RT: 3.00 min Scan# 567
 Delta R.T. 0.06 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Tgt Ion	Ratio	Lower	Upper
53	100		
52	17.7	65.7	98.5#
51	57.2	27.4	41.2#





#16

Acetone

Concen: 24.954 ug/l

RT: 2.31 min Scan# 352

Delta R.T. -0.02 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Instrument :

MSVOA_U

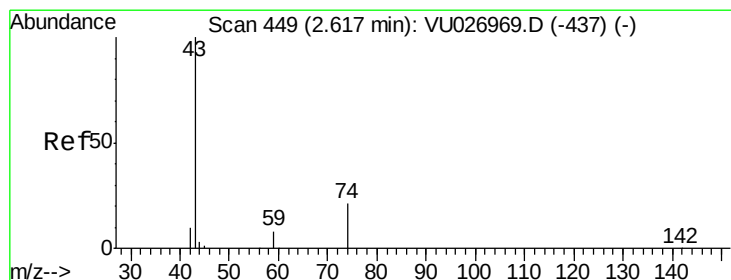
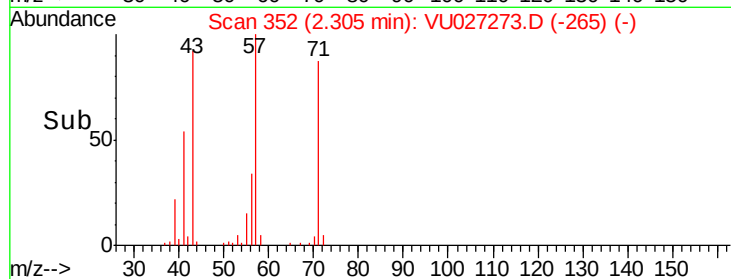
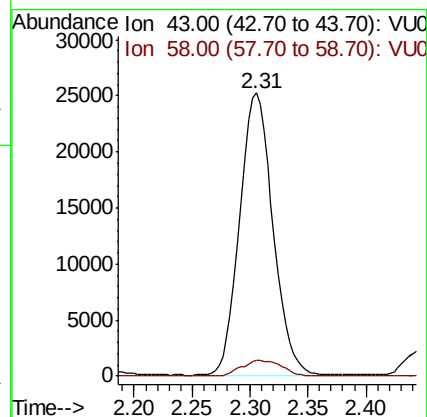
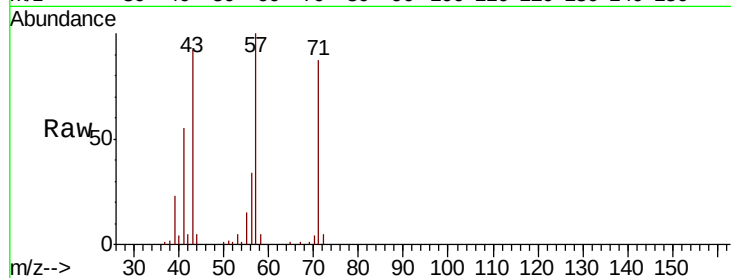
ClientSampled :

Tot Ion: 43 Resp: 50732

Ion Ratio Lower Upper

43 100

58 5.6 24.6 36.8#



#18

Methyl Acetate

Concen: 28.388 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.09 min

Lab File: VU027273.D

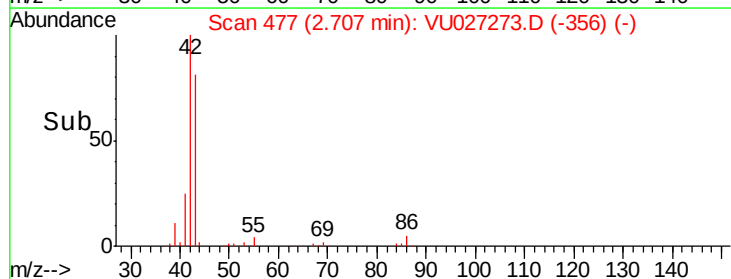
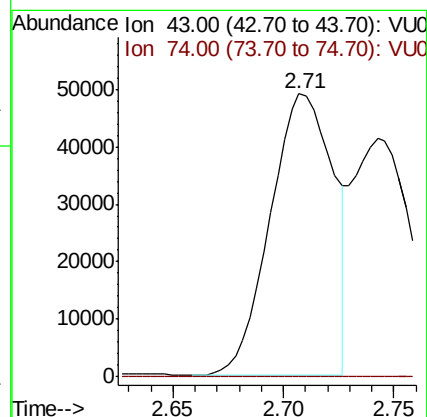
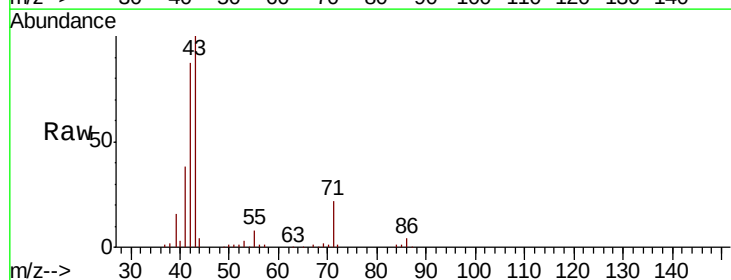
Acq: 28 Sep 2018 15:52

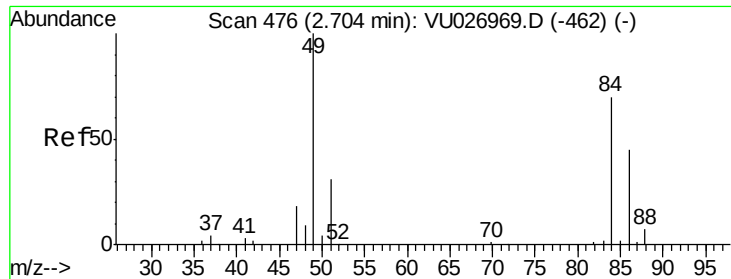
Tgt Ion: 43 Resp: 96746

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#

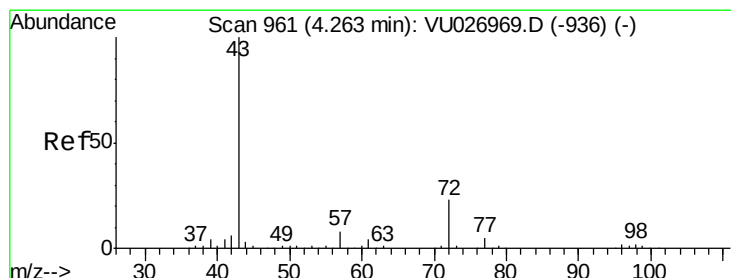
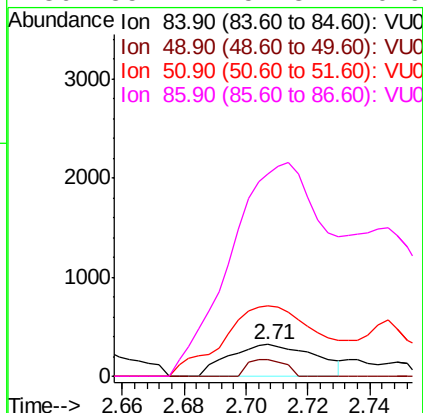
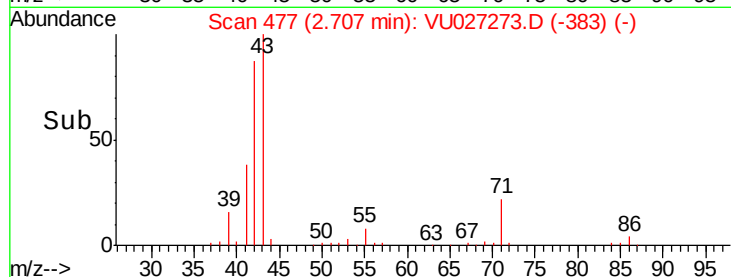
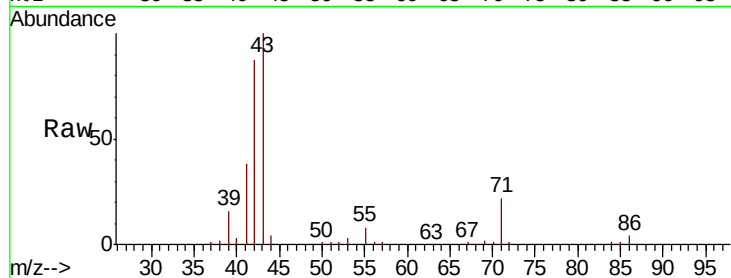




#20
Methvlene Chloride
Concen: 0.291 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

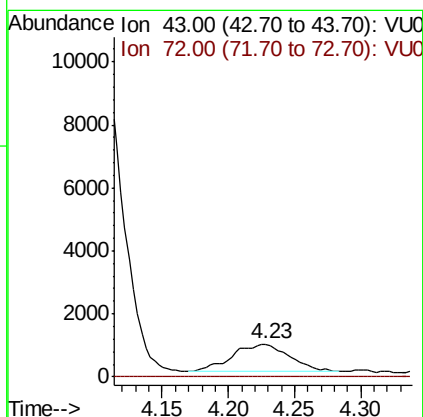
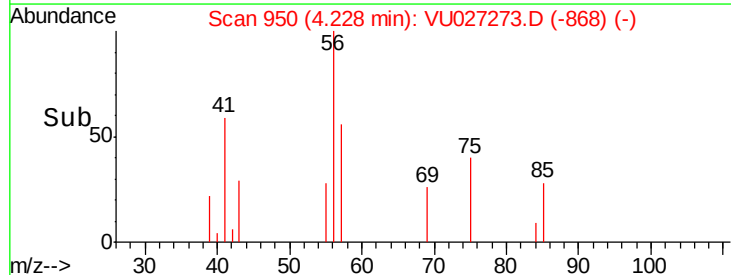
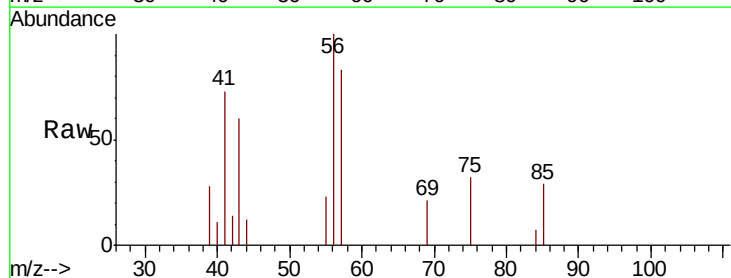
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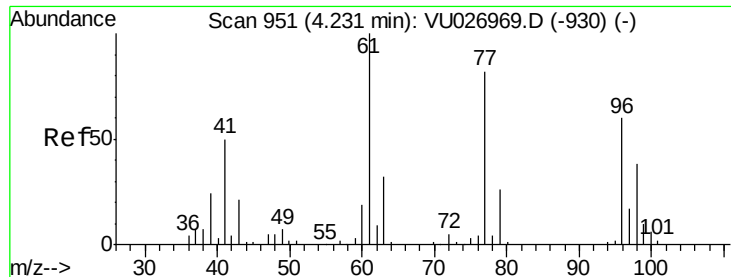
Tot Ion: 84 Resp: 625
Ion Ratio Lower Upper
84 100
49 51.4 114.9 172.3#
51 170.0 35.8 53.8#
86 552.1 51.3 76.9#



#25
2-Butanone
Concen: 1.309 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.04 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

Tgt Ion: 43 Resp: 2634
Ion Ratio Lower Upper
43 100
72 0.0 18.4 27.6#

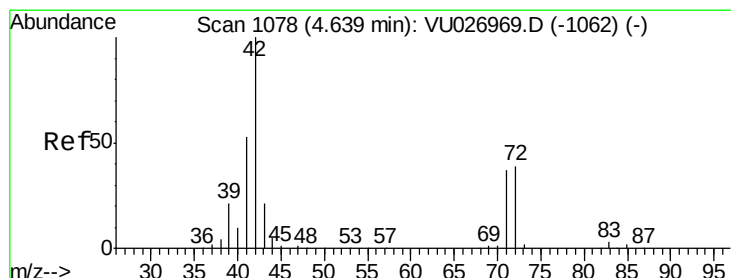
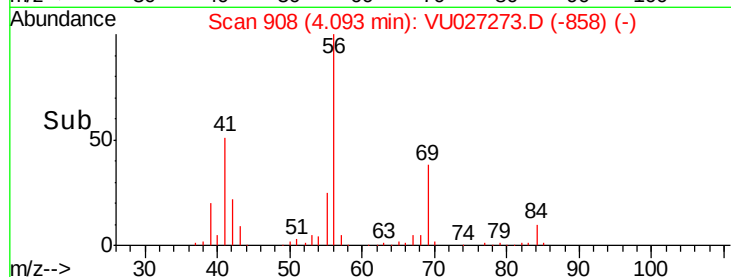
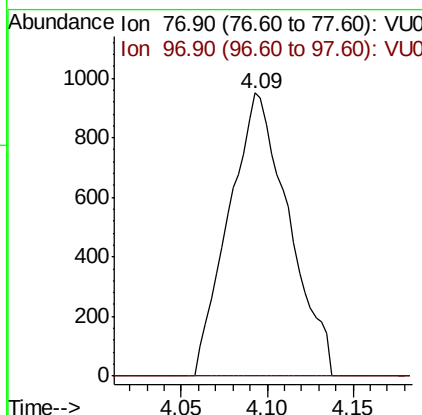
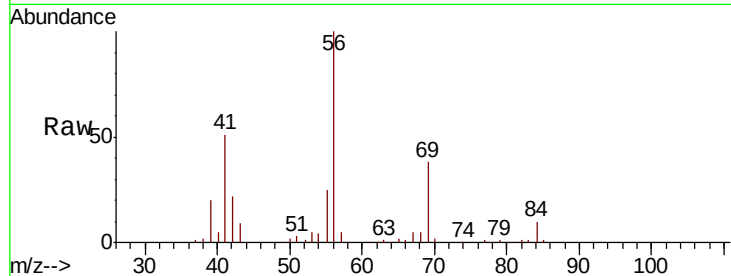




#26
 2,2-Dichloropropane
 Concen: 0.752 ug/l
 RT: 4.09 min Scan# 908
 Delta R.T. -0.14 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

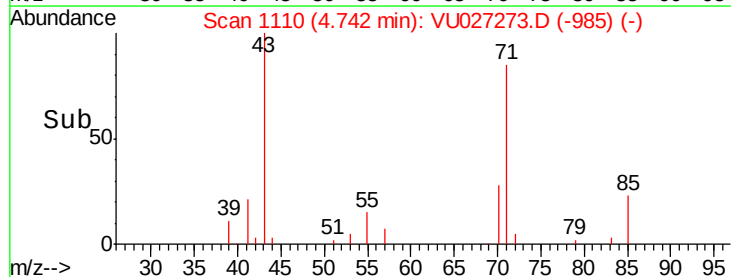
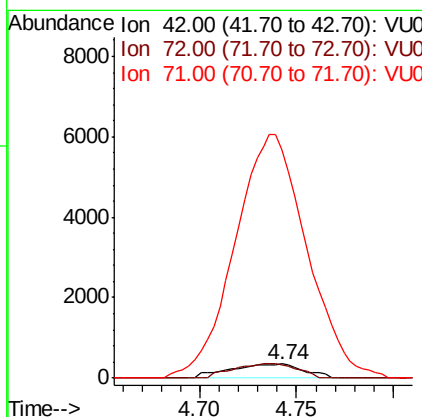
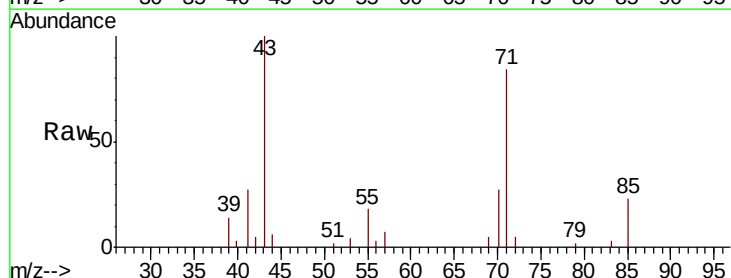
Instrument :
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 ClientSampleId :

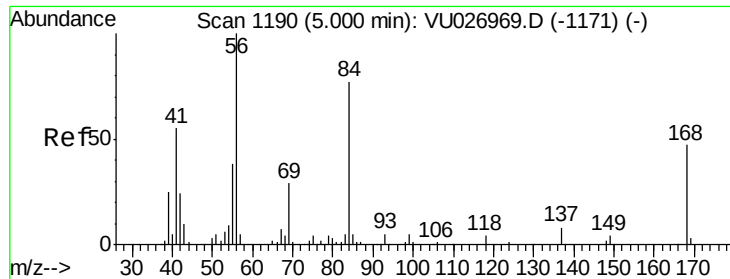
Tot Ion: 77 Resp: 2303
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.5 31.5#



#29
 Tetrahydrofuran
 Concen: 0.757 ug/l
 RT: 4.74 min Scan# 1110
 Delta R.T. 0.10 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Tgt Ion: 42 Resp: 921
 Ion Ratio Lower Upper
 42 100
 72 88.2 31.7 47.5#
 71 1700.7 29.6 44.4#

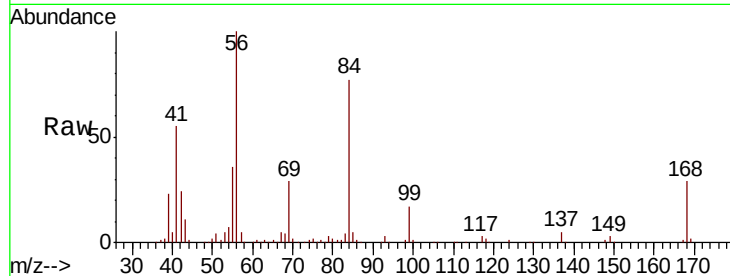




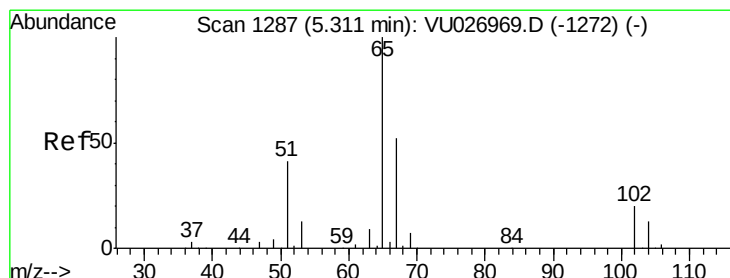
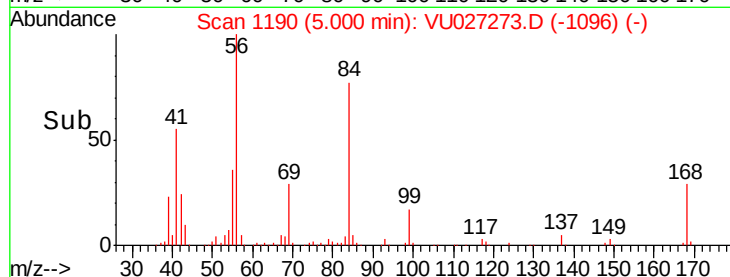
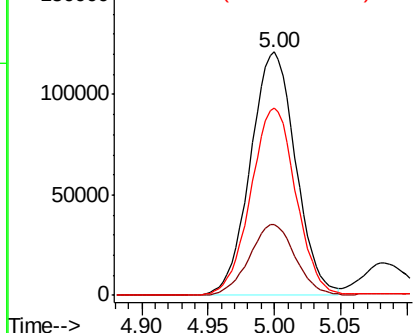
#31
Cyclohexane
Concen: 81.166 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 288374
Ion Ratio Lower Upper
56 100
69 28.9 23.0 34.4
84 76.9 61.4 92.2

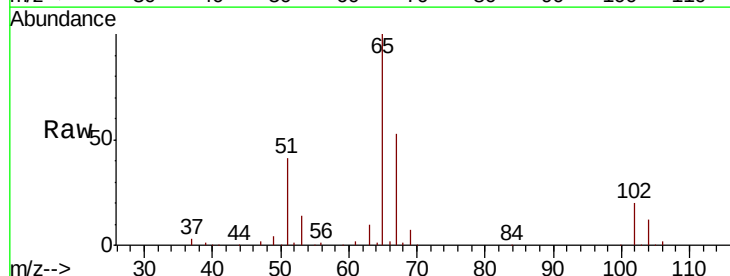


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

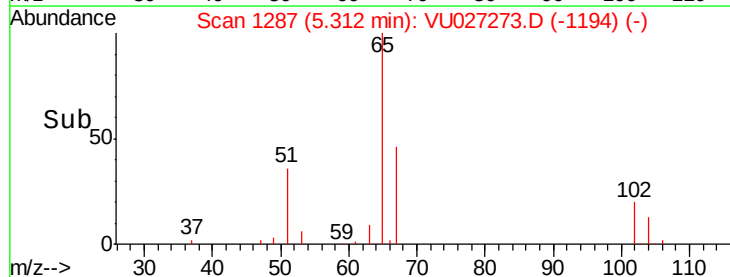
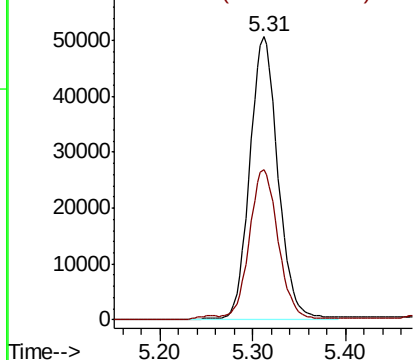


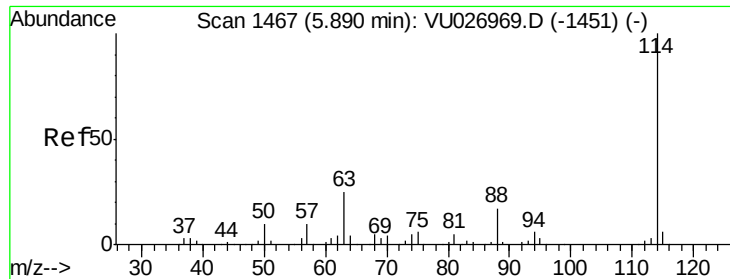
#33
1,2-Dichloroethane-d4
Concen: 44.875 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

Tgt Ion: 65 Resp: 107447
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

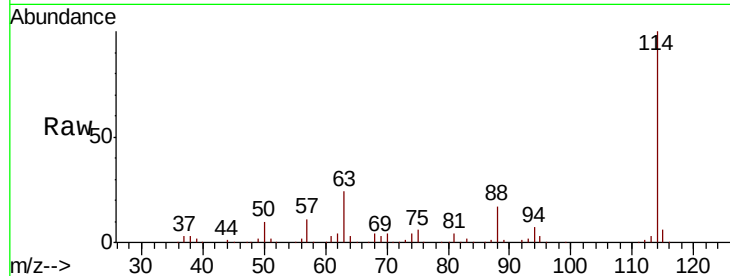




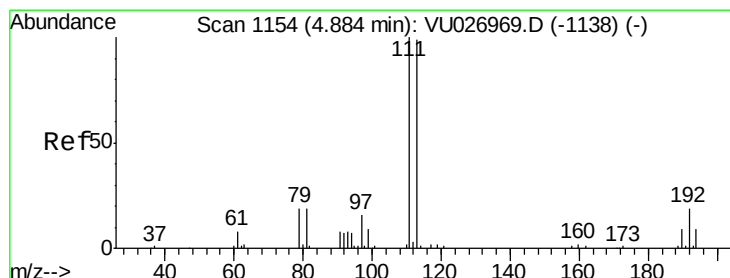
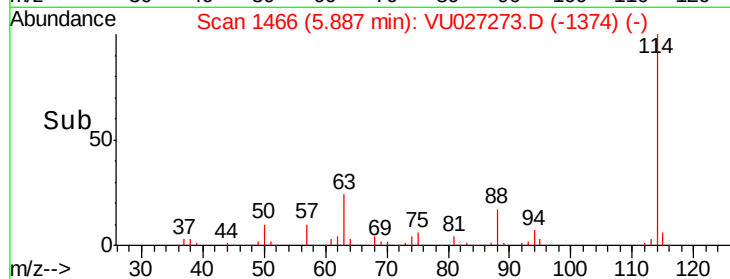
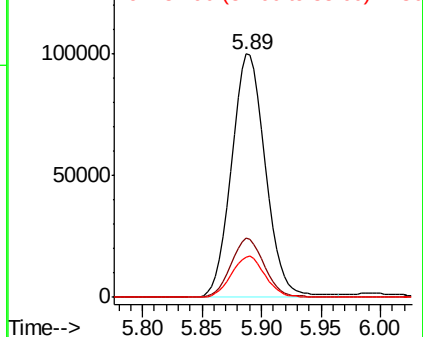
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:114 Resp: 198071
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 16.6 0.0 33.8

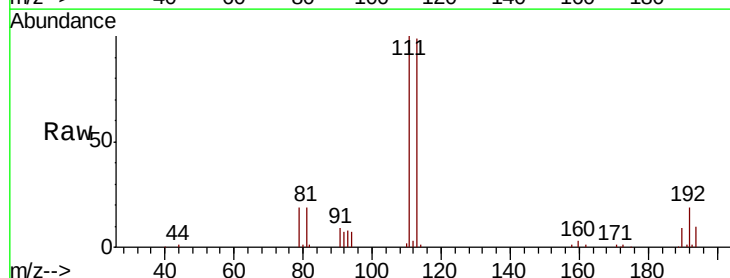


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

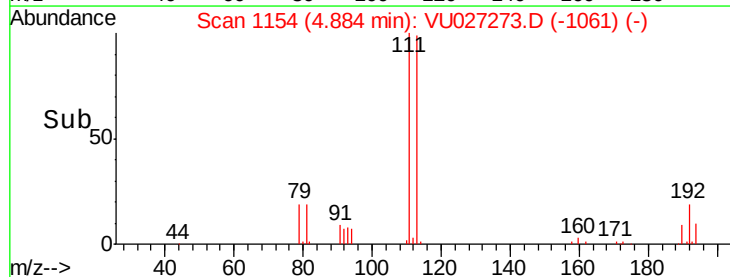
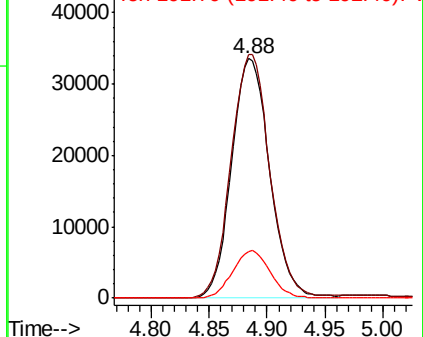


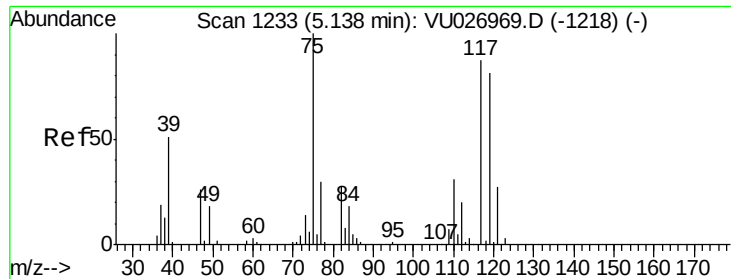
#35
 Dibromofluoromethane
 Concen: 44.757 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Tgt Ion:113 Resp: 76842
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.4
 192 19.4 15.2 22.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

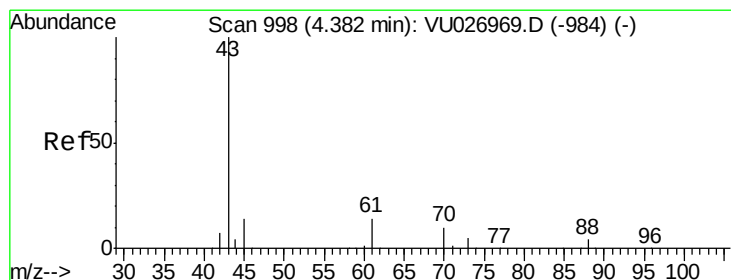
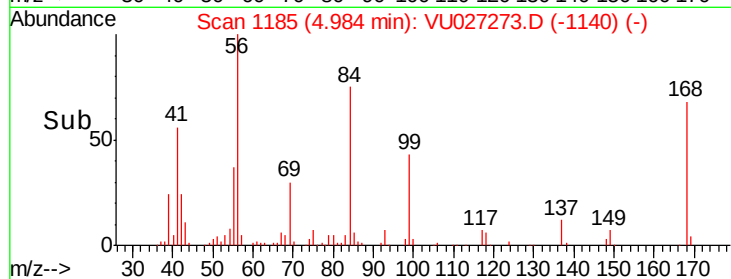
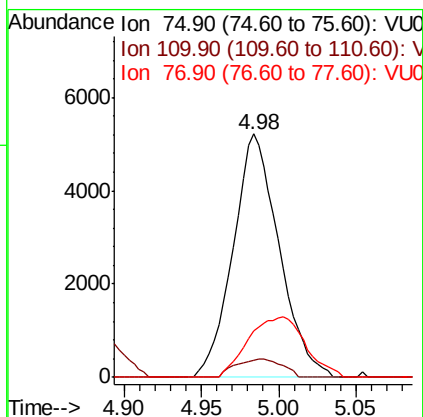
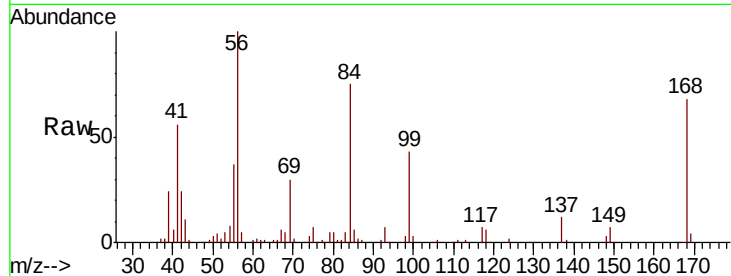




#36
 1,1-Dichloropropene
 Concen: 4.084 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

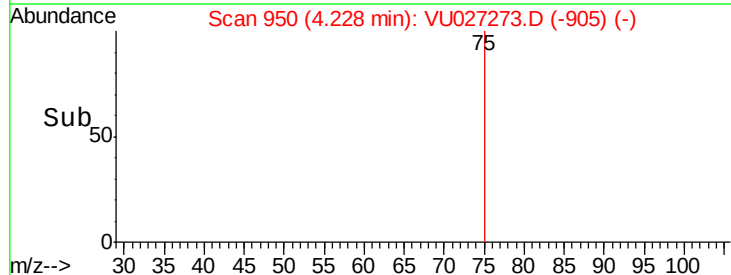
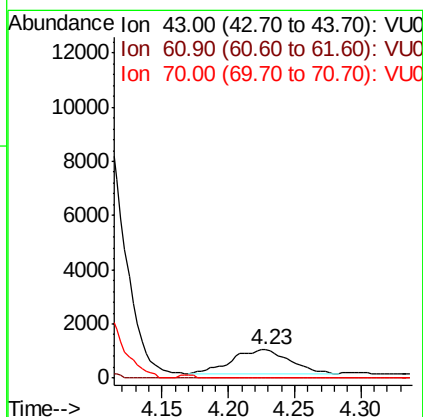
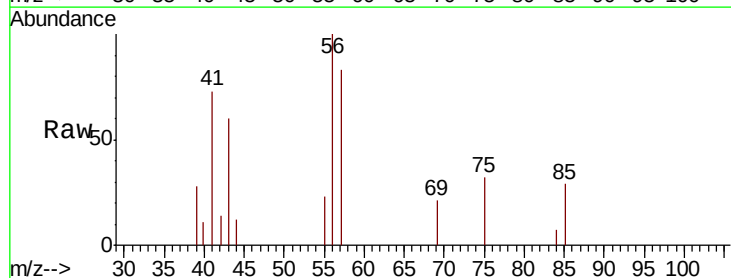
Instrument :
 MSVOA_U
 ClientSampled :

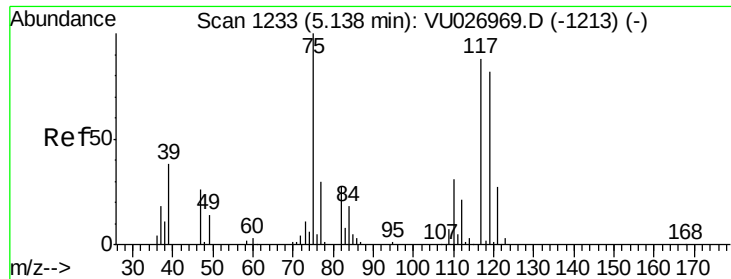
Tot Ion: 75 Resp: 10795
 Ion Ratio Lower Upper
 75 100
 110 7.6 16.1 48.2#
 77 30.6 24.6 36.8



#37
 Ethyl Acetate
 Concen: 0.736 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.15 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Tgt Ion: 43 Resp: 2634
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 7.4 11.0#





#38

Carbon Tetrachloride

Concen: 4.713 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Instrument :

MSVOA_U

ClientSampled :

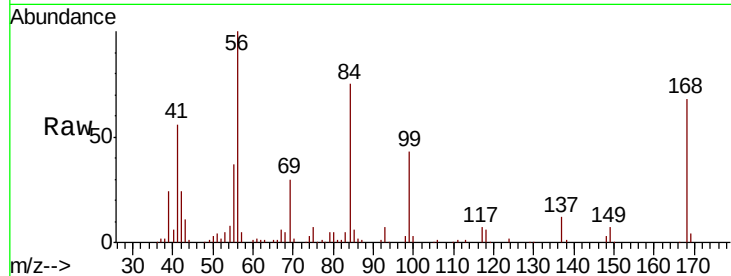
Tot Ion:117 Resp: 11856

Ion Ratio Lower Upper

117 100

119 5.8 74.4 111.6#

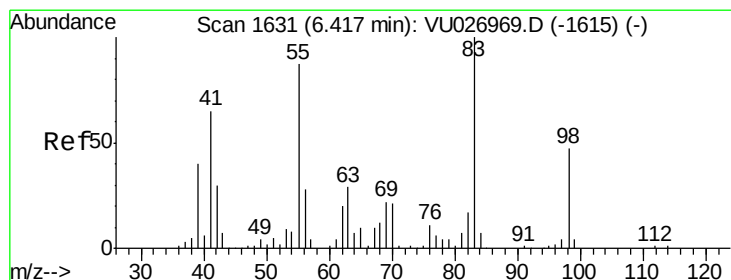
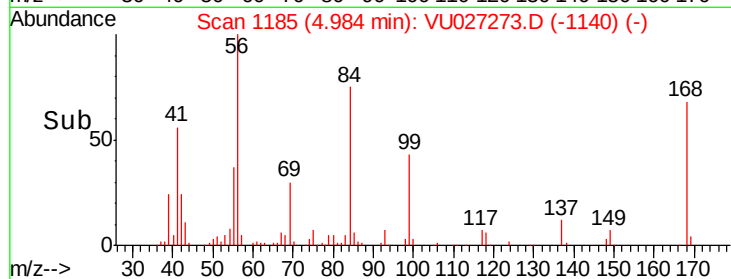
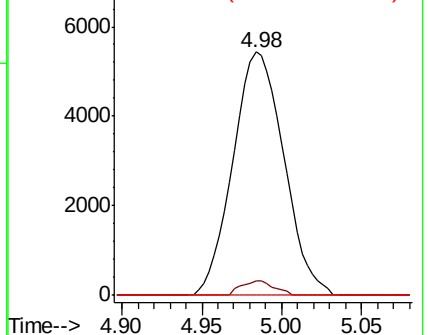
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 96.830 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

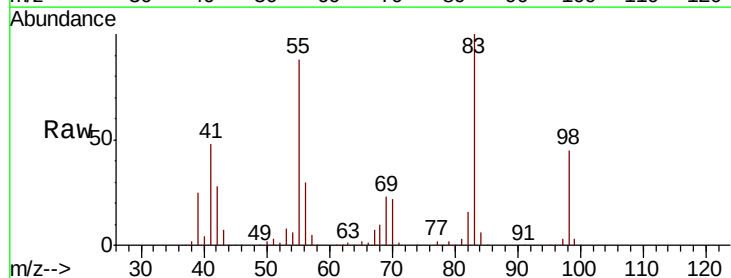
Tgt Ion: 83 Resp: 278165

Ion Ratio Lower Upper

83 100

55 87.5 69.9 104.9

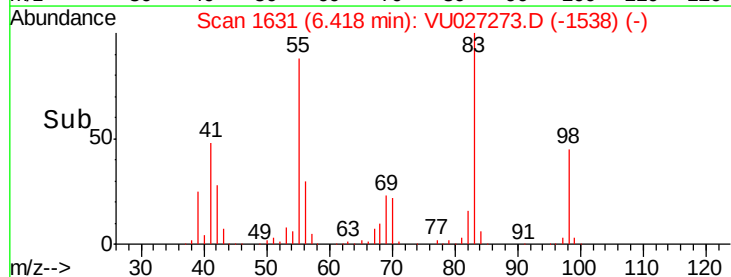
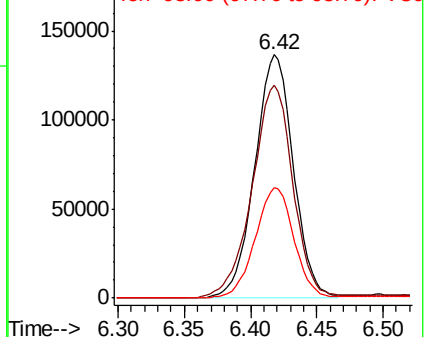
98 45.2 37.5 56.3

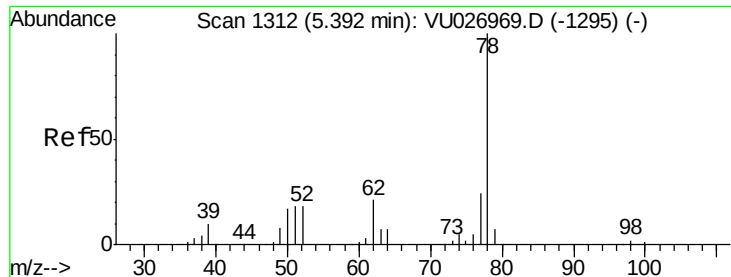


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 0.259 ug/l

RT: 5.40 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

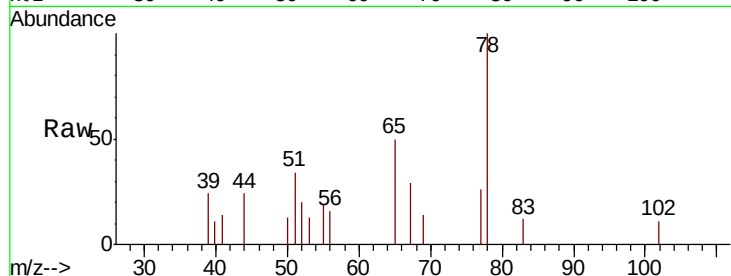
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 78 Resp: 2079

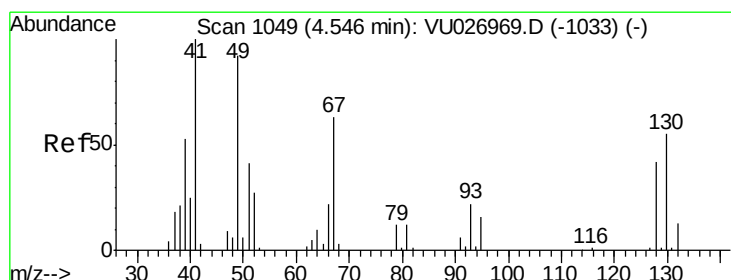
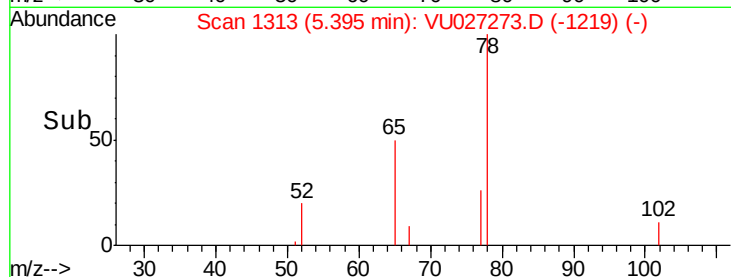
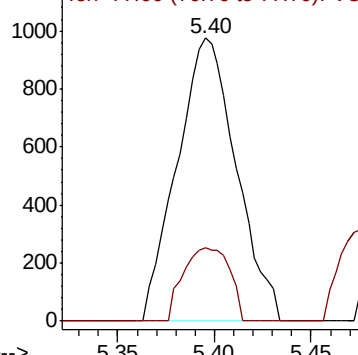
Ion Ratio Lower Upper

78 100

77 26.1 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0



#41

Methacrylonitrile

Concen: 2.937 ug/l

RT: 4.74 min Scan# 1110

Delta R.T. 0.20 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Tgt Ion: 41 Resp: 5459

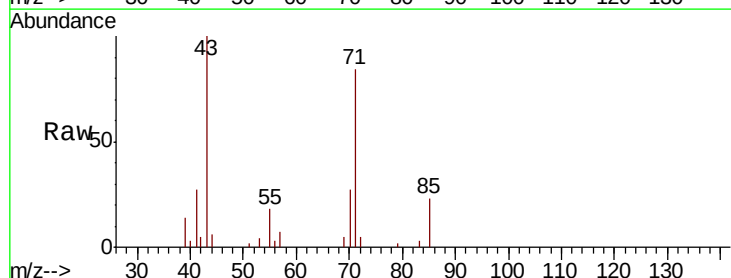
Ion Ratio Lower Upper

41 100

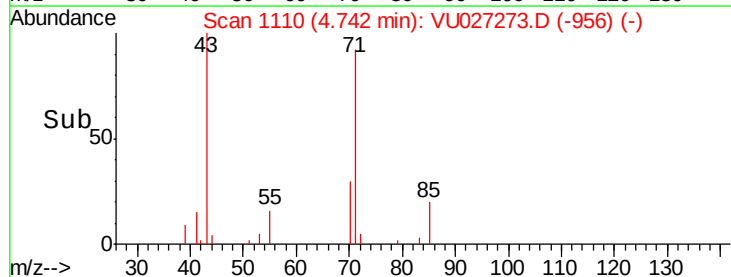
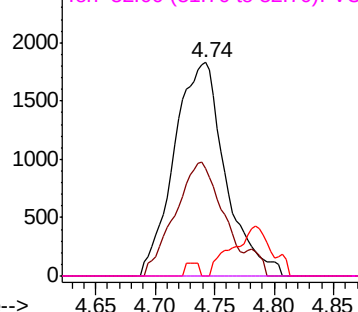
39 49.3 42.9 64.3

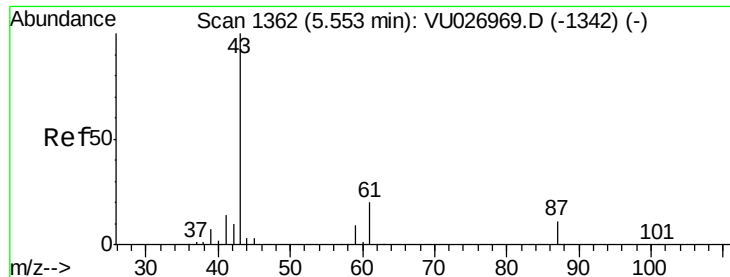
67 1.6 52.4 78.6#

52 0.0 21.3 31.9#



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0





#43

Isopropyl Acetate

Concen: 0.568 ug/l

RT: 5.56 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Instrument :

MSVOA_U

ClientSampled :

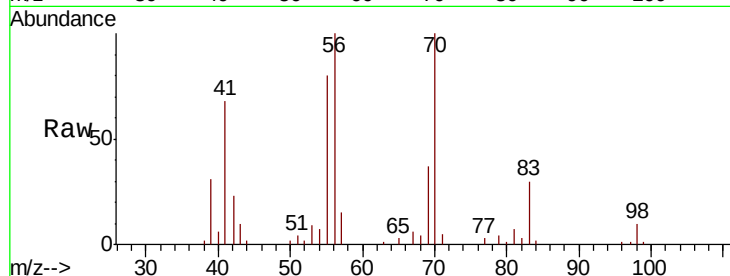
Tot Ion: 43 Resp: 2962

Ion Ratio Lower Upper

43 100

61 0.0 15.7 23.5#

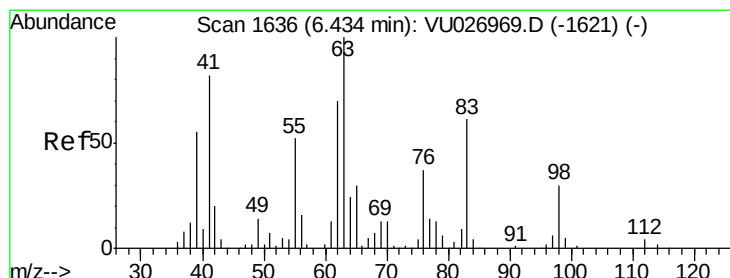
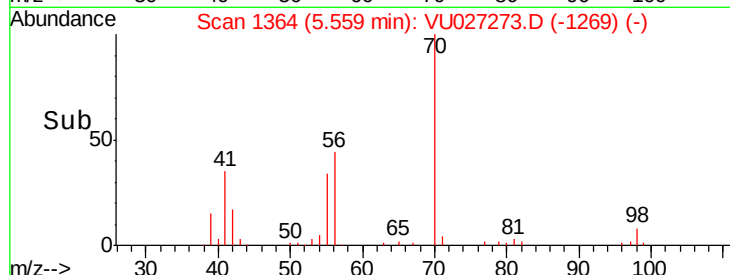
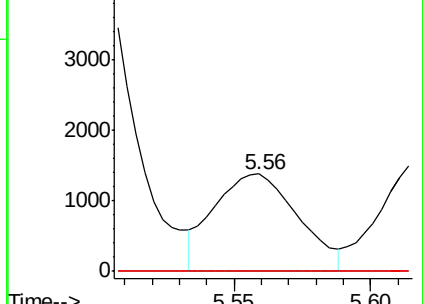
87 0.0 9.0 13.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#45

1,2-Dichloropropane

Concen: 1.164 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. -0.02 min

Lab File: VU027273.D

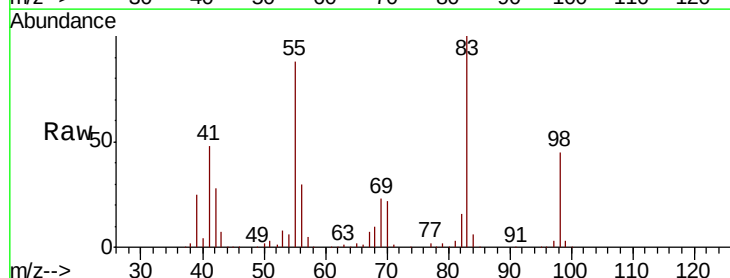
Acq: 28 Sep 2018 15:52

Tgt Ion: 63 Resp: 2665

Ion Ratio Lower Upper

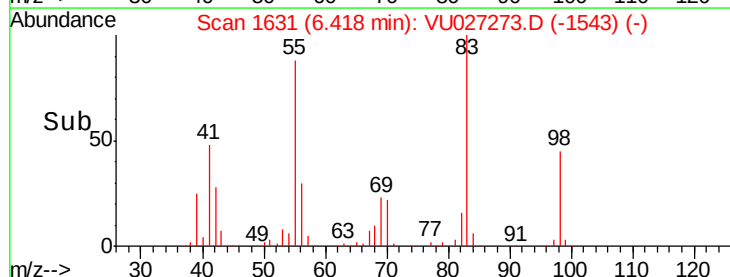
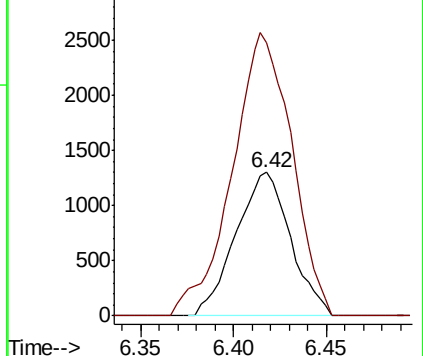
63 100

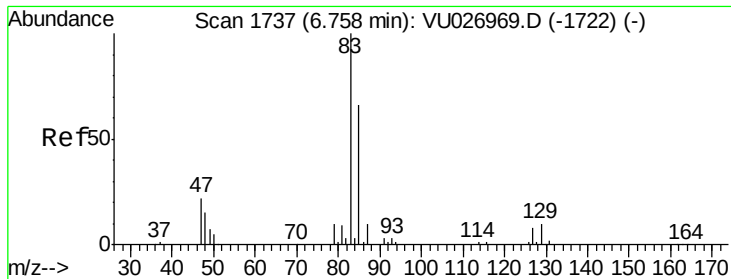
65 190.6 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0





#47

Bromodichloromethane

Concen: 0.251 ug/l

RT: 6.74 min Scan# 1731

Delta R.T. -0.02 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

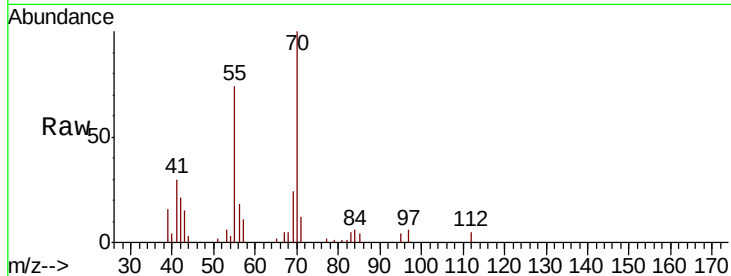
Tot Ion: 83 Resp: 702

Ion Ratio Lower Upper

83 100

85 75.0 52.5 78.7

127 0.0 6.3 9.5#

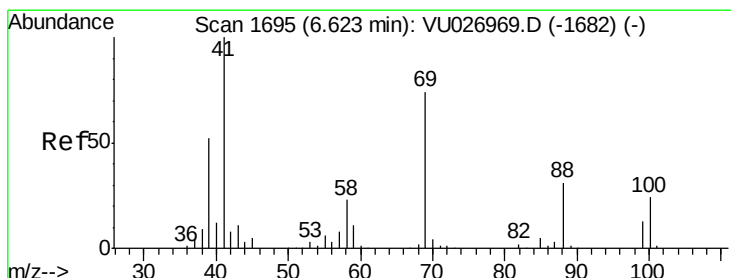
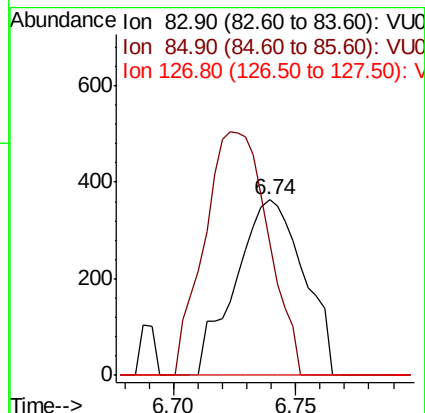
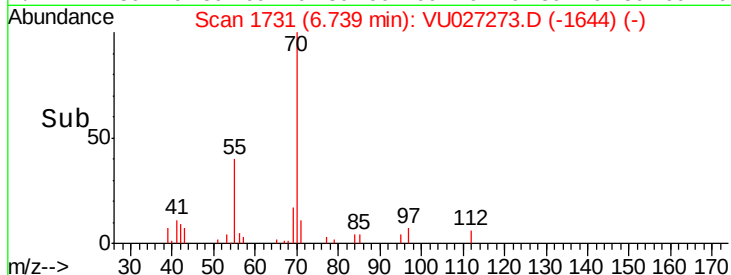


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): VU0

Time-->



#48

Methyl methacrylate

Concen: 5.740 ug/l

RT: 6.64 min Scan# 1701

Delta R.T. 0.02 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

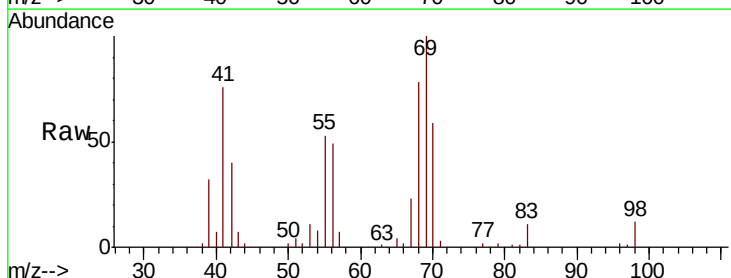
Tgt Ion: 41 Resp: 13709

Ion Ratio Lower Upper

41 100

69 139.0 60.6 90.8#

39 47.0 42.8 64.2

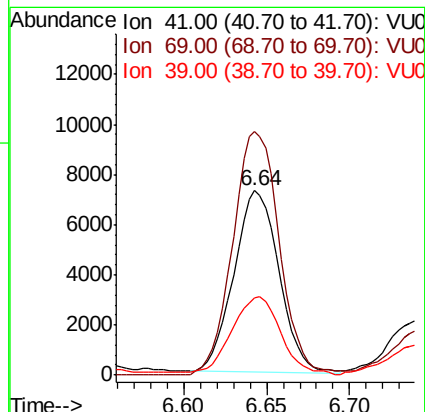
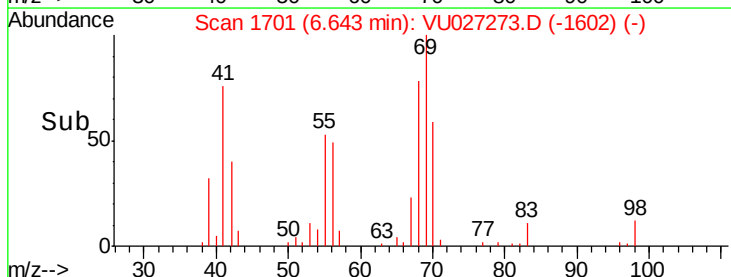


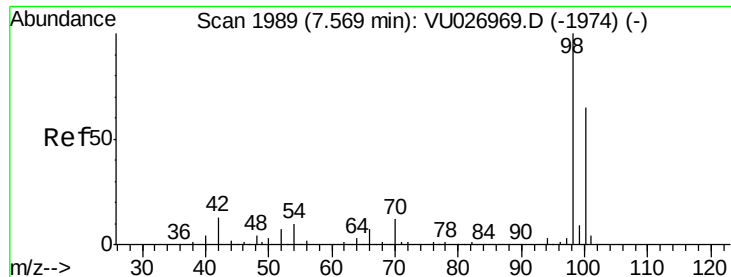
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Time-->

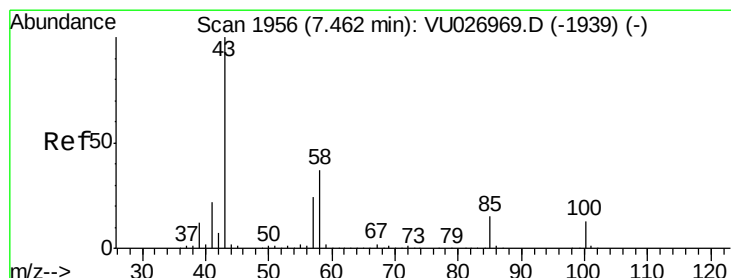
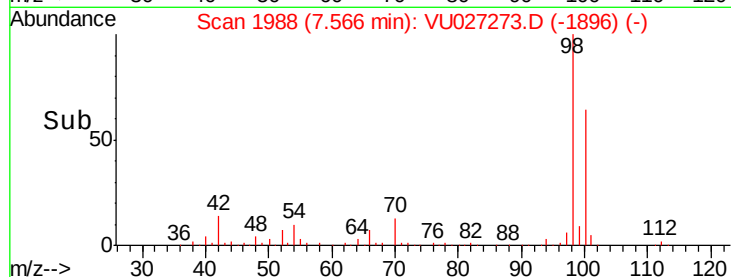
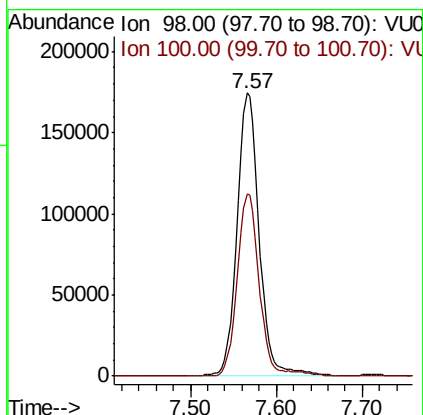
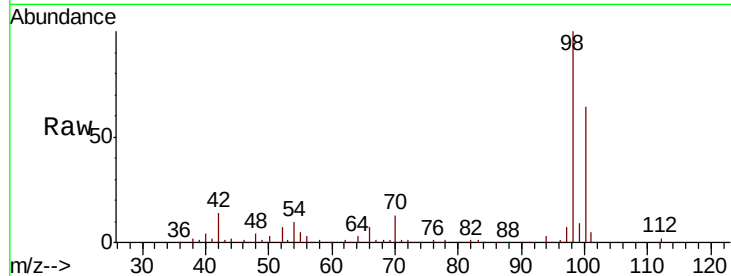




#50
Toluene-d8
Concen: 47.707 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

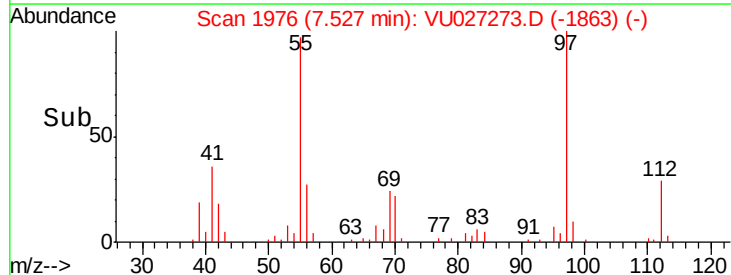
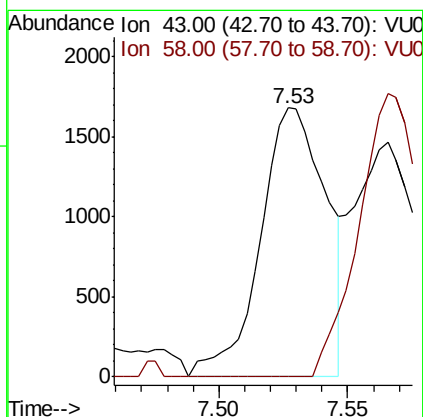
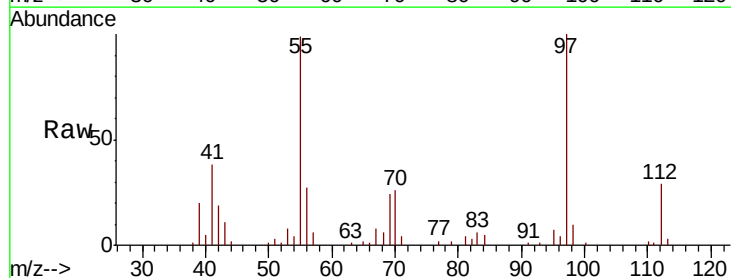
Instrument :
MSVOA_U
ClientSampleId :

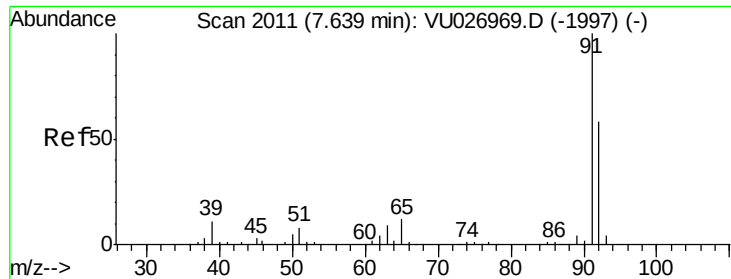
Tot Ion: 98 Resp: 312152
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.846 ug/l
RT: 7.53 min Scan# 1976
Delta R.T. 0.06 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

Tgt Ion: 43 Resp: 2971
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.6#





#52

Toluene

Concen: 0.251 ug/l

RT: 7.64 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Instrument :

MSVOA_U

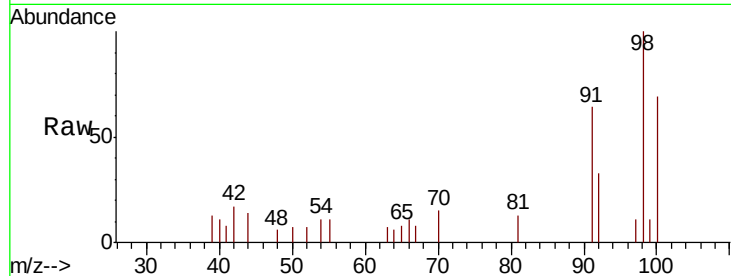
ClientSampled :

Tot Ion: 92 Resp: 1157

Ion Ratio Lower Upper

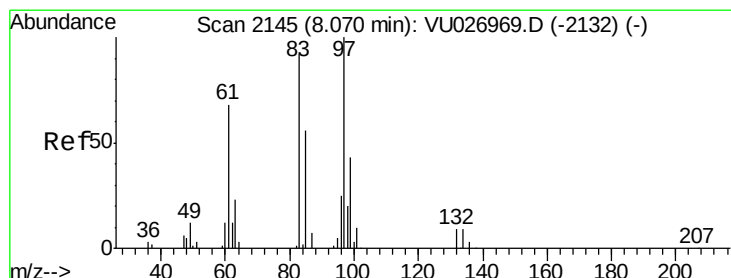
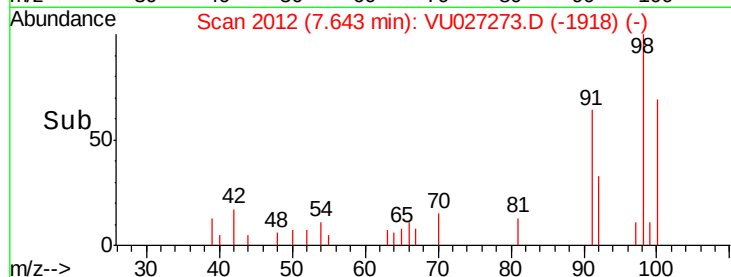
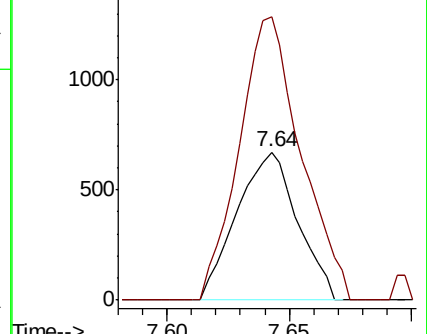
92 100

91 194.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#55

1,1,2-Trichloroethane

Concen: 8.444 ug/l

RT: 8.05 min Scan# 2138

Delta R.T. -0.02 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Tgt Ion: 97 Resp: 16482

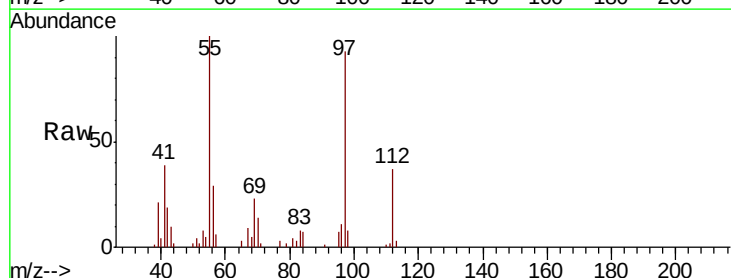
Ion Ratio Lower Upper

97 100

83 8.5 73.1 109.7#

85 0.0 46.7 70.1#

99 0.0 50.0 75.0#

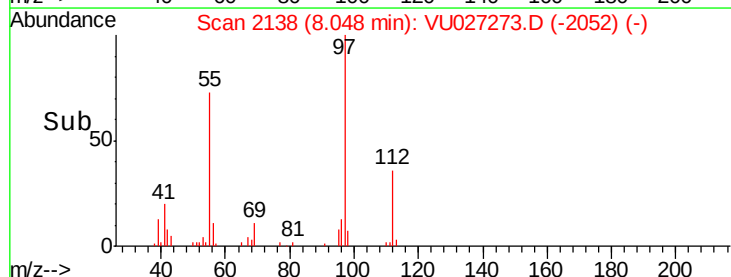
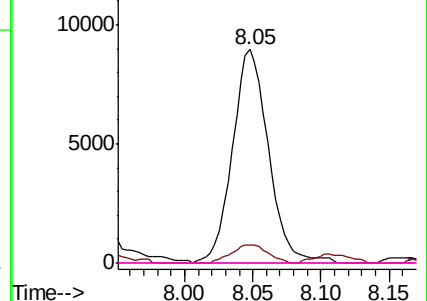


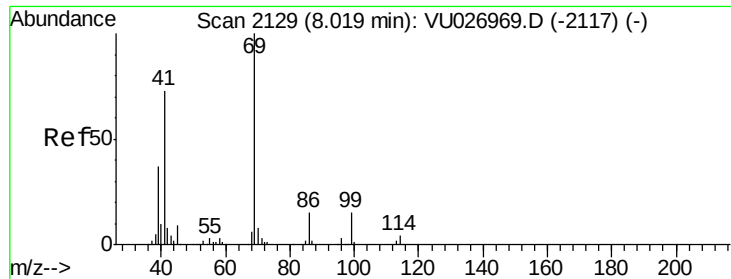
Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0





#56

Ethyl methacrylate

Concen: 3.444 ug/l

RT: 8.05 min Scan# 2139

Delta R.T. 0.03 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

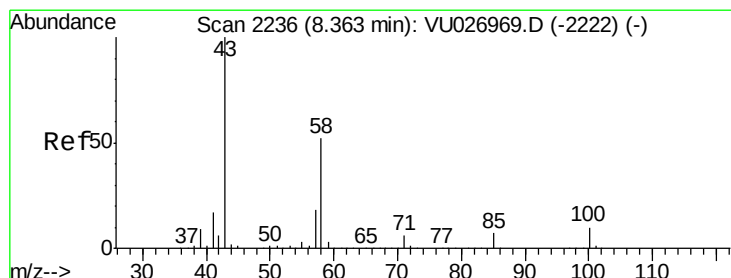
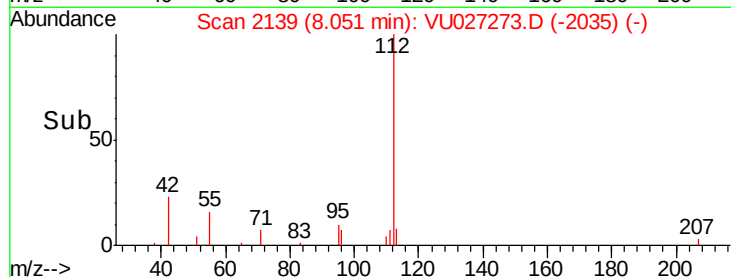
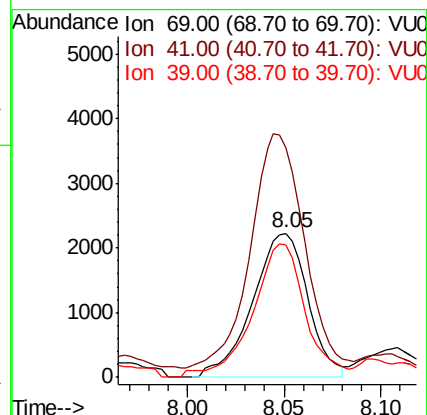
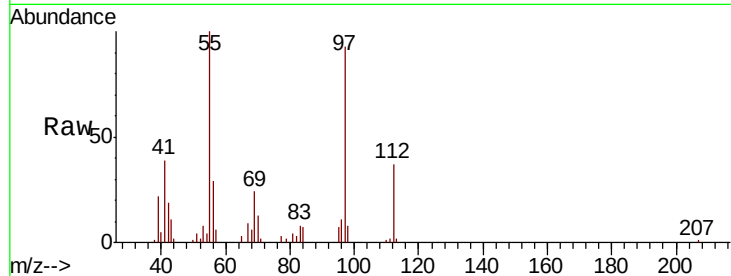
Tot Ion: 69 Resp: 4431

Ion Ratio Lower Upper

69 100

41 158.7 59.0 88.4#

39 88.1 30.2 45.4#



#59

2-Hexanone

Concen: 0.481 ug/l

RT: 8.33 min Scan# 2227

Delta R.T. -0.03 min

Lab File: VU027273.D

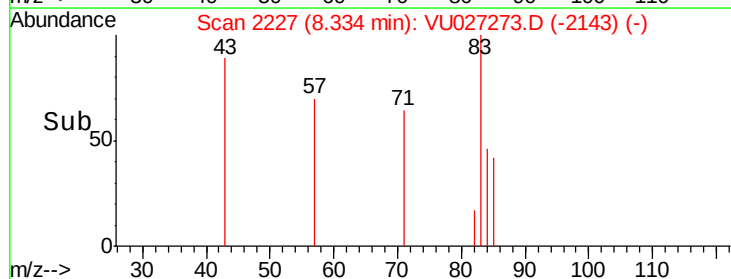
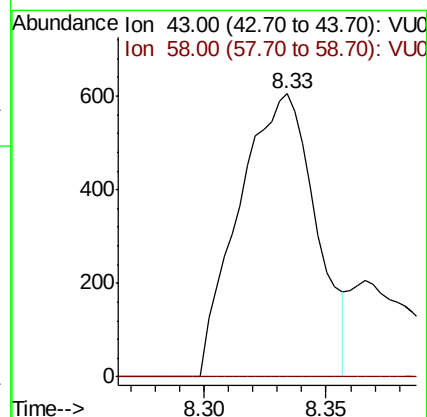
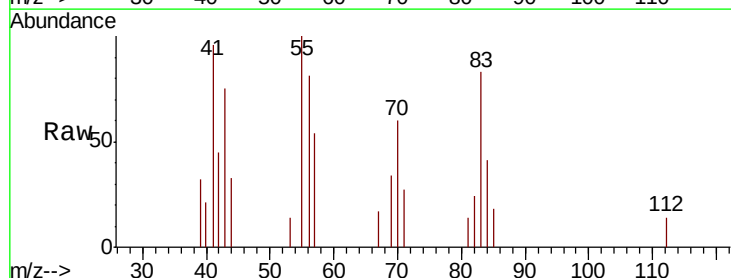
Acq: 28 Sep 2018 15:52

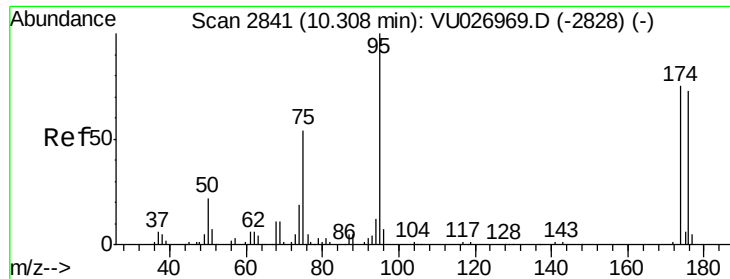
Tgt Ion: 43 Resp: 1322

Ion Ratio Lower Upper

43 100

58 0.0 26.1 78.2#

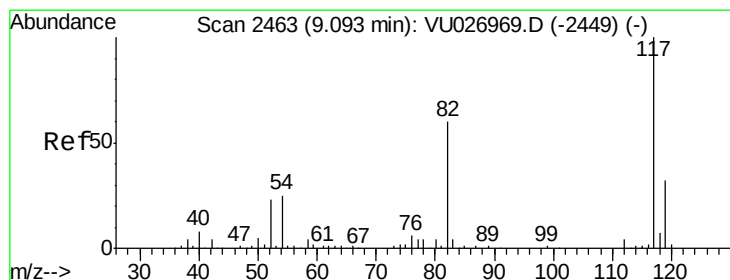
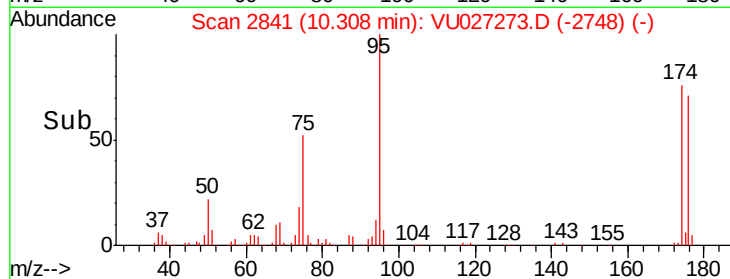
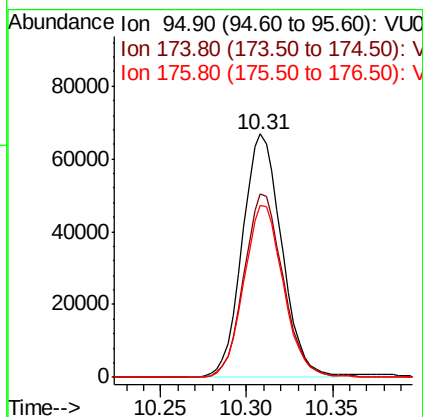
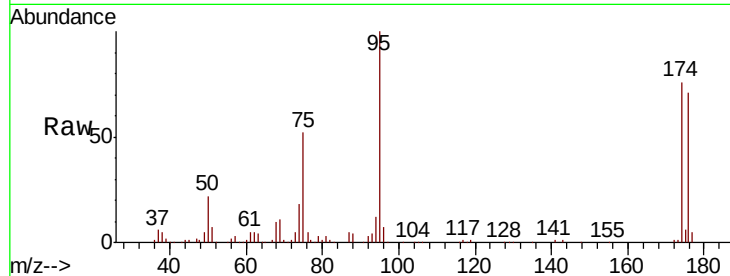




#62
4-Bromofluorobenzene
Concen: 47.502 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

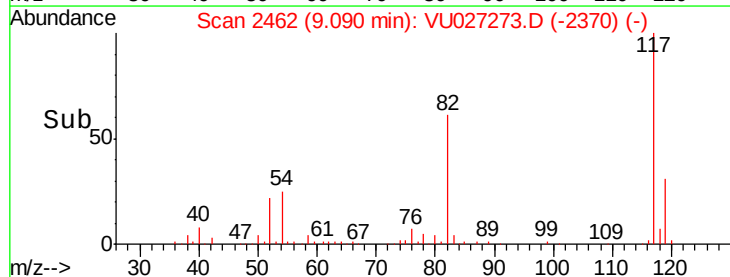
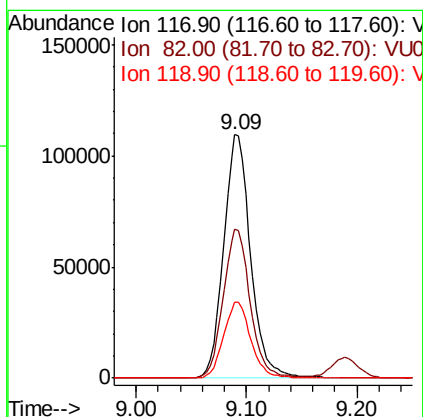
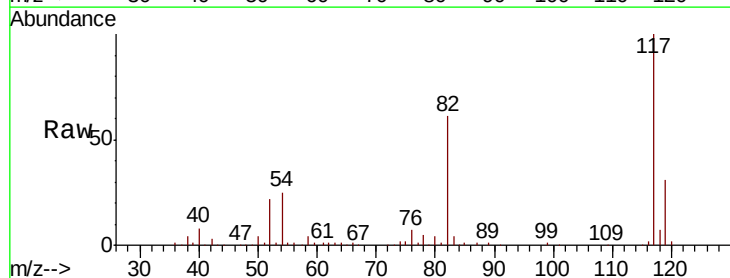
Instrument :
MSVOA_U
ClientSampleId :

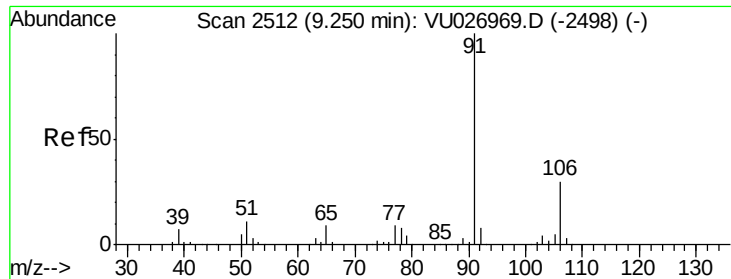
Tot Ion	95	Resp	106648
Ion Ratio	Lower	Upper	
95	100		
174	75.0	0.0	150.2
176	70.7	0.0	145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

Tgt Ion	117	Resp	185340
Ion Ratio	Lower	Upper	
117	100		
82	61.3	48.0	72.0
119	30.9	25.8	38.8

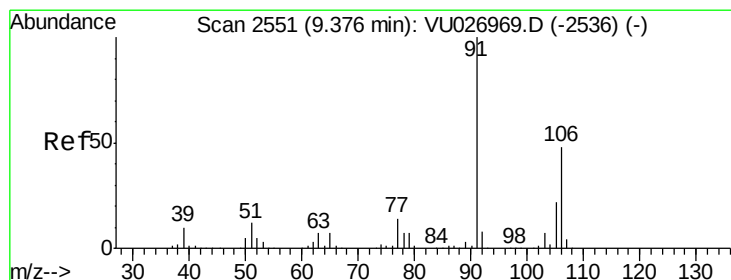
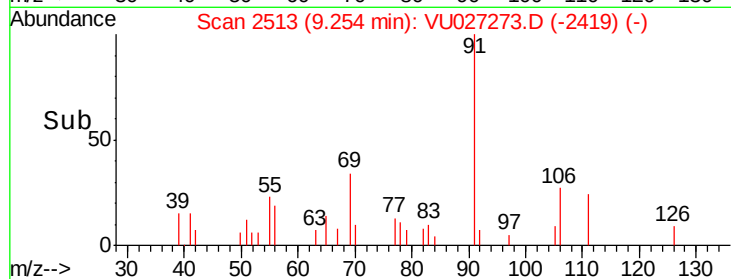
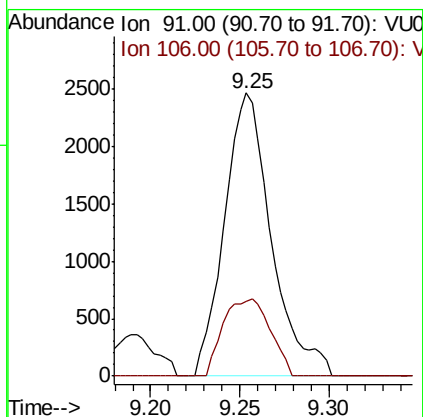
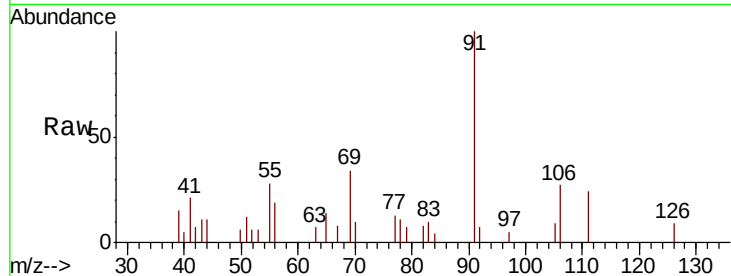




#67
Ethyl Benzene
Concen: 0.556 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

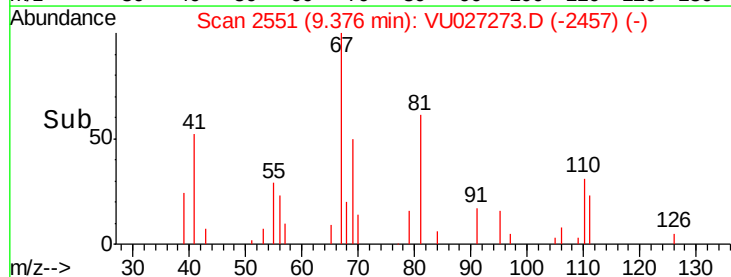
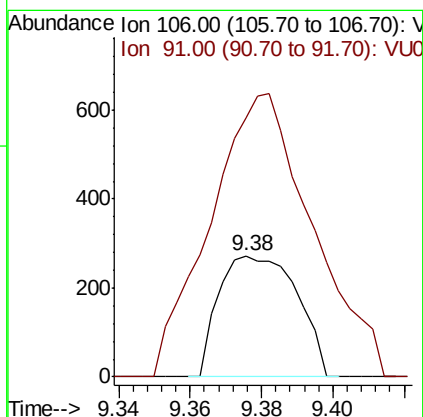
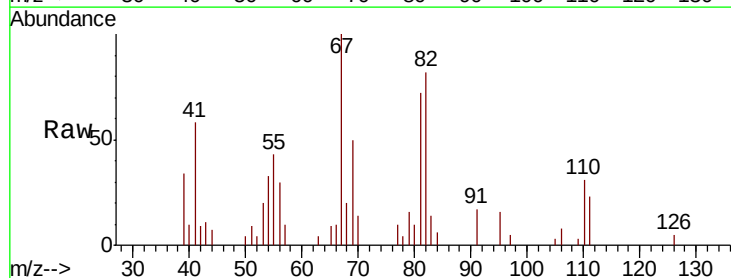
Instrument :
MSVOA_U
ClientSampleId :

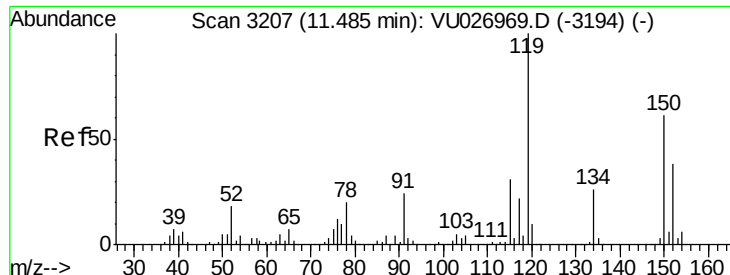
Tot Ion: 91 Resp: 4496
Ion Ratio Lower Upper
91 100
106 26.6 23.8 35.8



#68
m/p-Xylenes
Concen: 1.625 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

Tgt Ion: 106 Resp: 413
Ion Ratio Lower Upper
106 100
91 305.3 166.5 249.7#



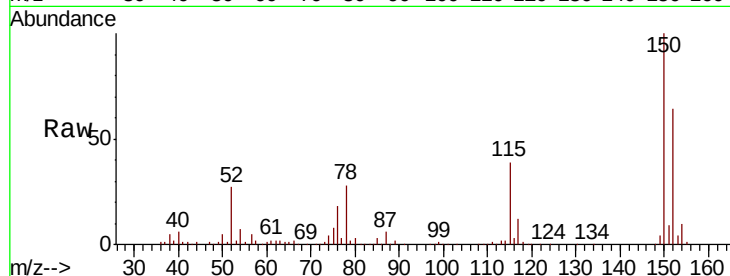


#72

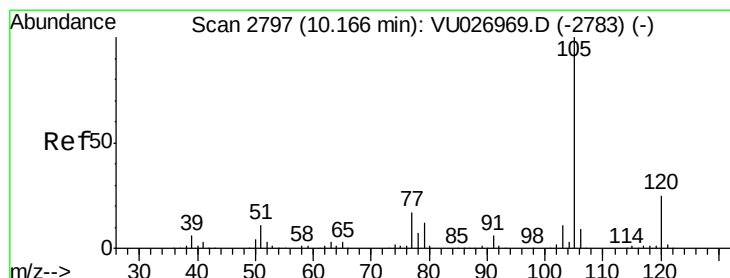
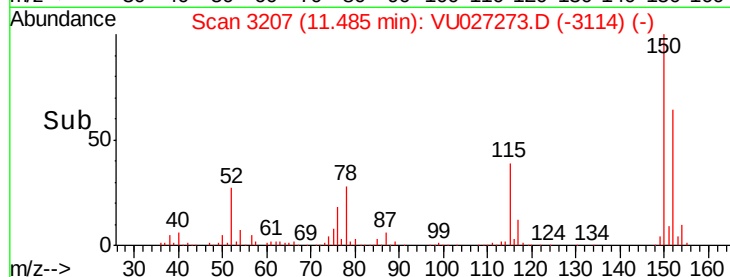
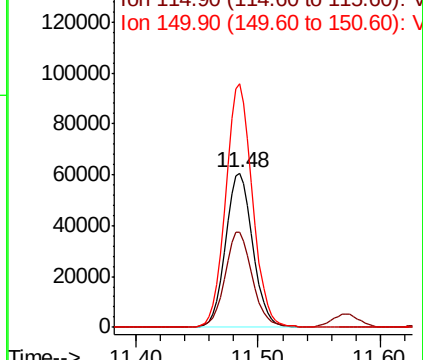
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:152 Resp: 94319
Ion Ratio Lower Upper
152 100
115 61.9 44.9 134.5
150 156.4 0.0 355.8



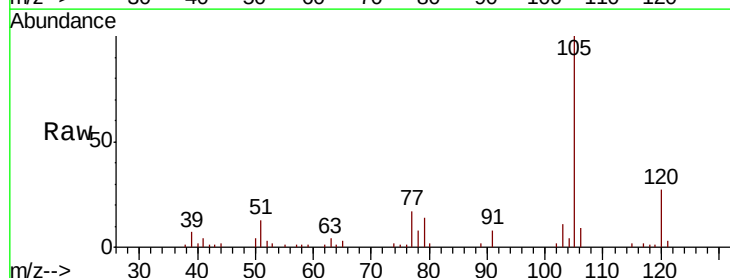
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



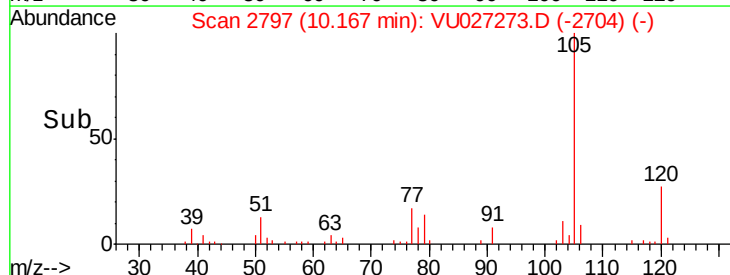
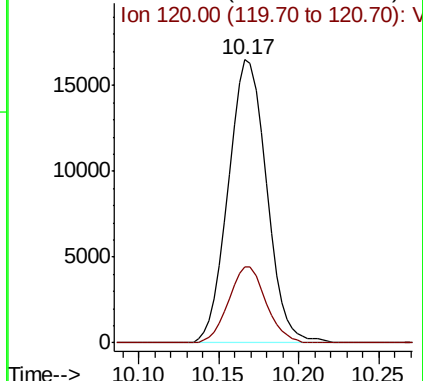
#73

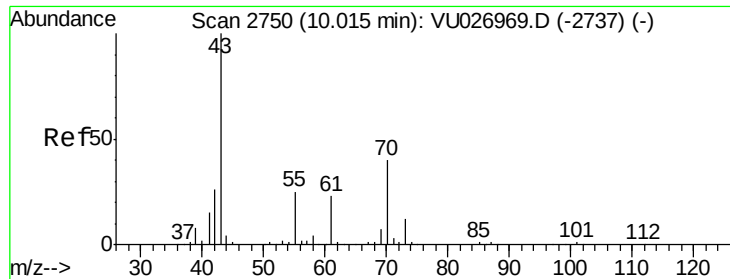
Isopropylbenzene
Concen: 3.755 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027273.D
Acq: 28 Sep 2018 15:52

Tgt Ion:105 Resp: 26941
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.374 ug/l

RT: 10.03 min Scan# 2753

Delta R.T. 0.01 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 1555

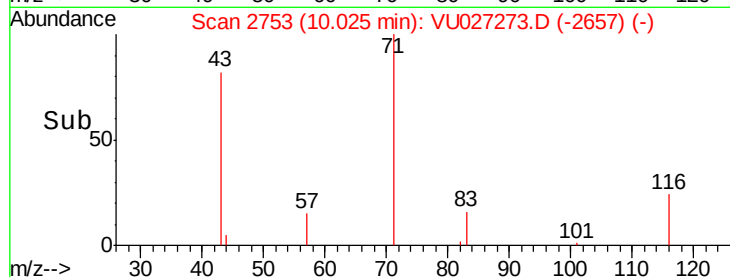
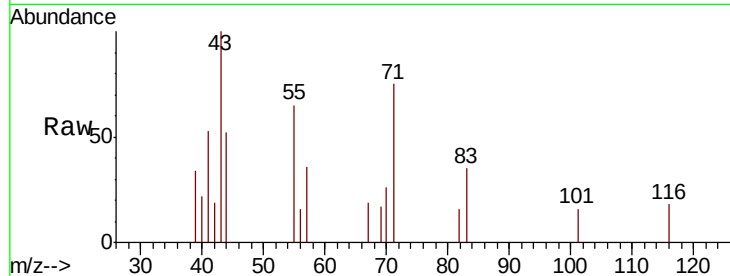
Ion Ratio Lower Upper

43 100

70 14.1 31.8 47.8#

55 0.0 19.9 29.9#

61 0.0 18.4 27.6#

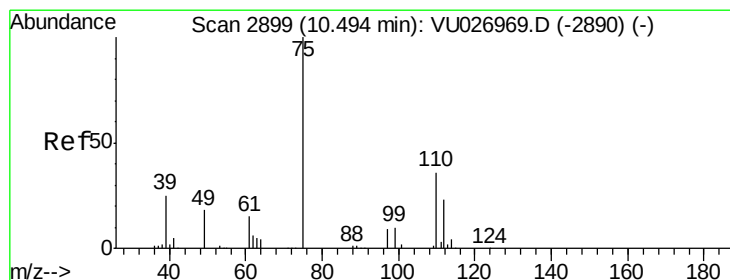
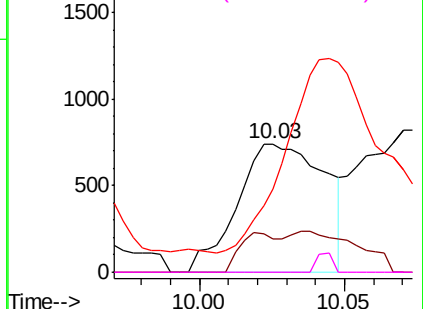


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#76

1,2,3-Trichloropropane

Concen: 19.853 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027273.D

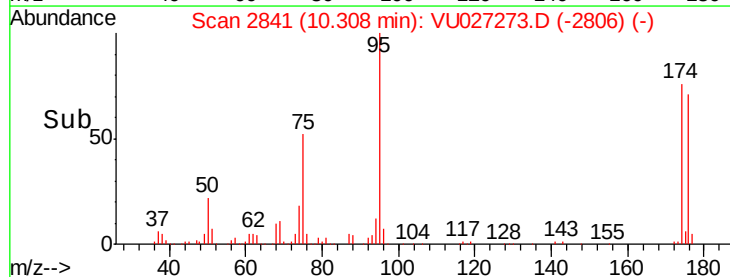
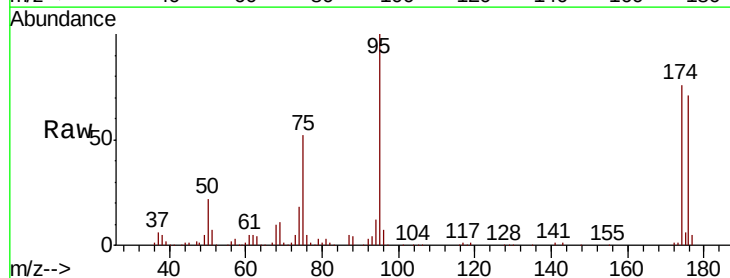
Acq: 28 Sep 2018 15:52

Tgt Ion: 75 Resp: 56886

Ion Ratio Lower Upper

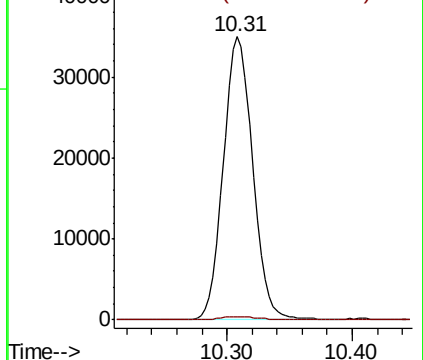
75 100

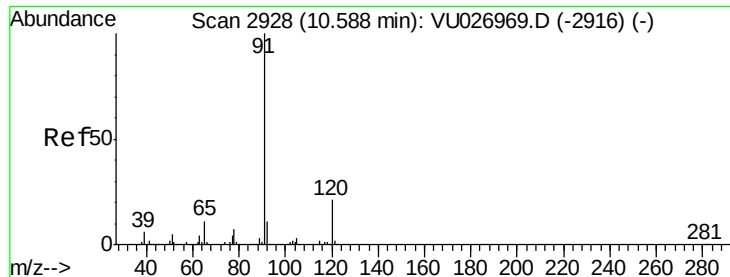
77 1.3 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 1.945 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Instrument :

MSVOA_U

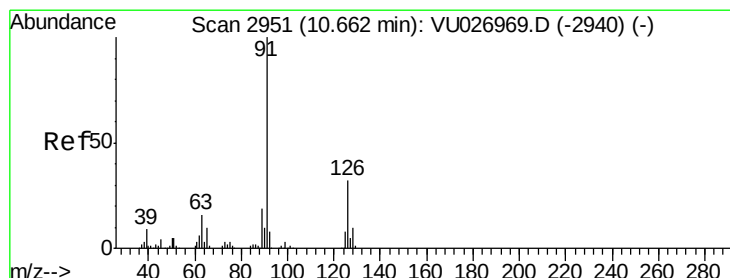
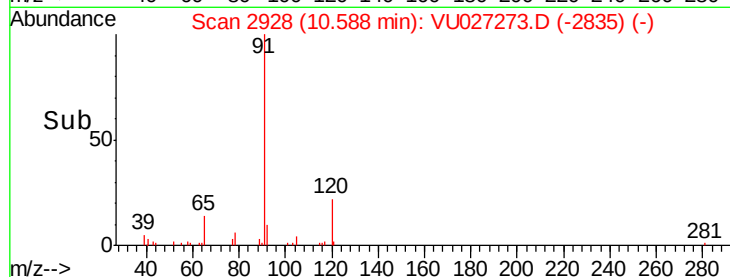
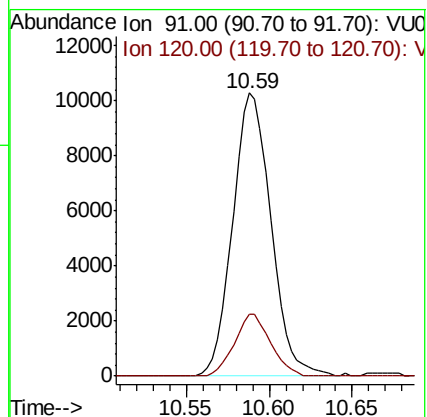
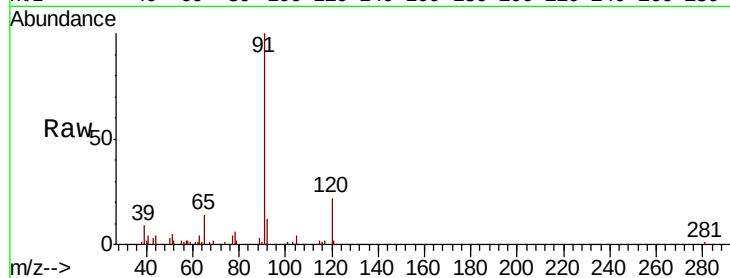
ClientSampleId :

Tot Ion: 91 Resp: 16509

Ion Ratio Lower Upper

91 100

120 20.7 10.6 31.8



#79

2-Chlorotoluene

Concen: 3.096 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.07 min

Lab File: VU027273.D

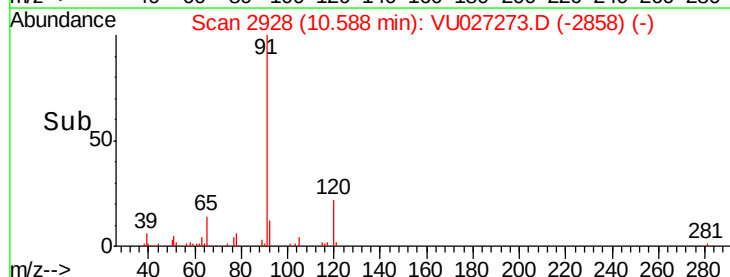
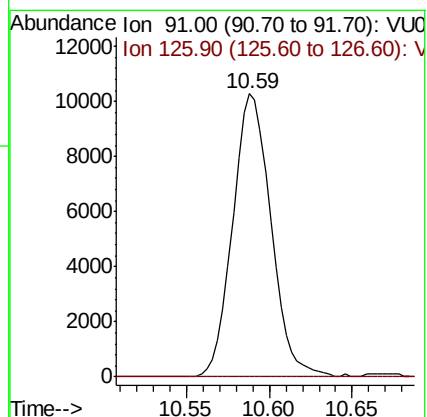
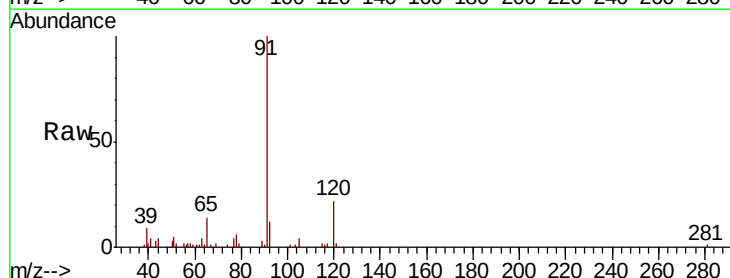
Acq: 28 Sep 2018 15:52

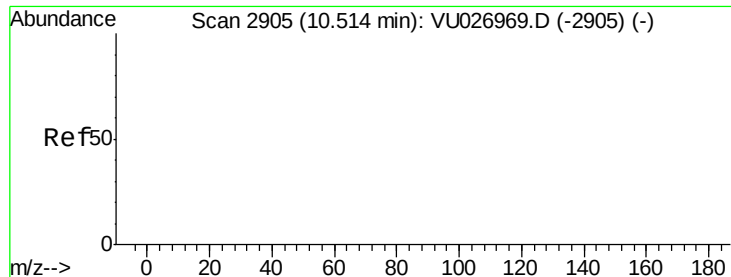
Tgt Ion: 91 Resp: 16509

Ion Ratio Lower Upper

91 100

126 0.0 15.8 47.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 63.533 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

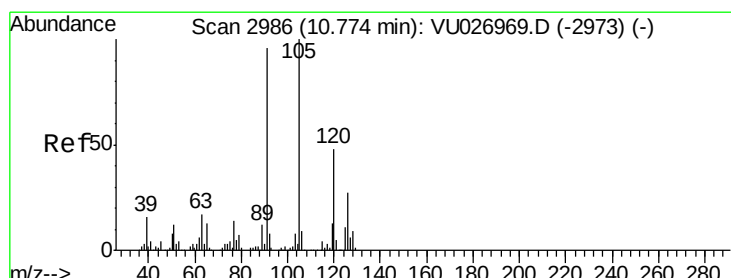
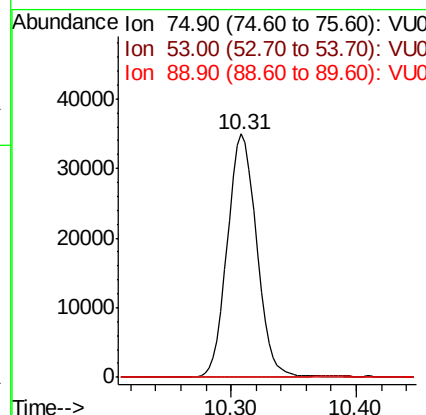
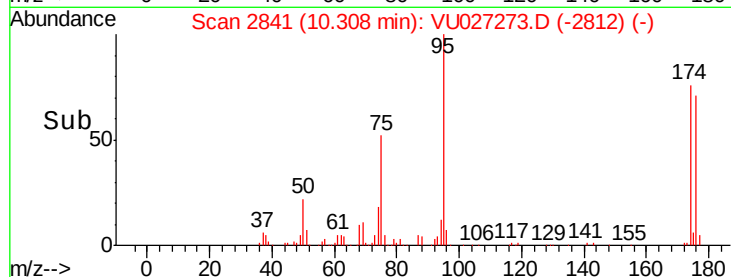
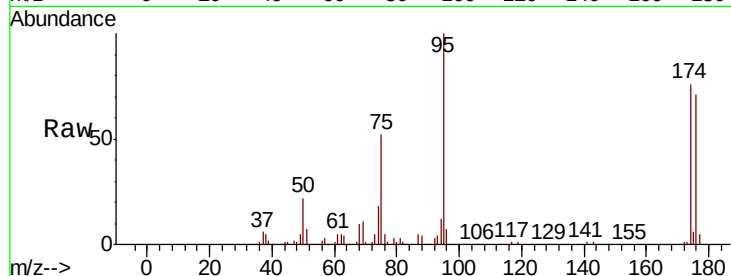
Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 56886

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0#
89	0.0	0.0	0.0



#82

4-Chlorotoluene

Concen: 2.761 ug/l

RT: 10.59 min Scan# 2928

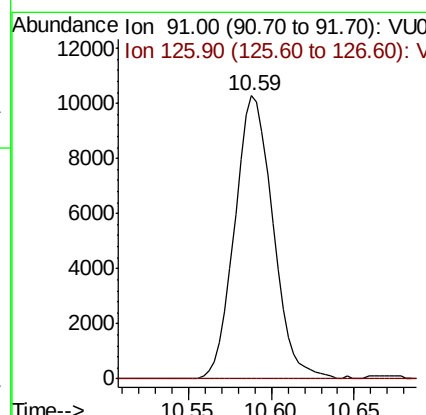
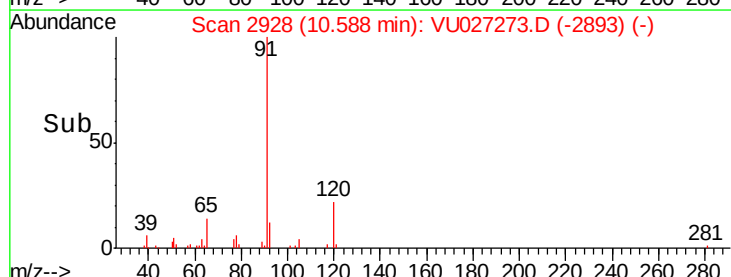
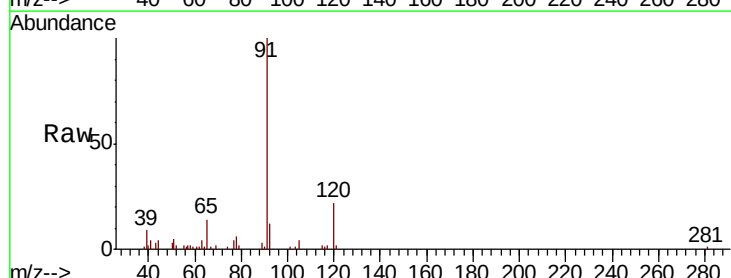
Delta R.T. -0.19 min

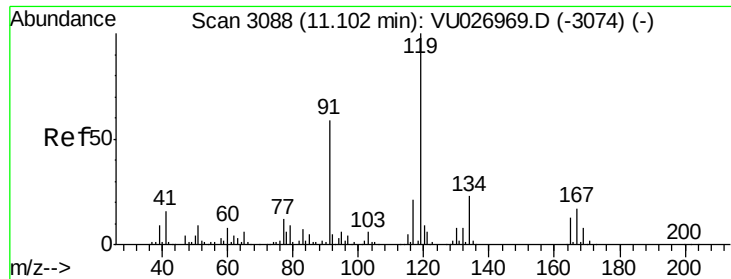
Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Tgt Ion: 91 Resp: 16509

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.1	42.2#

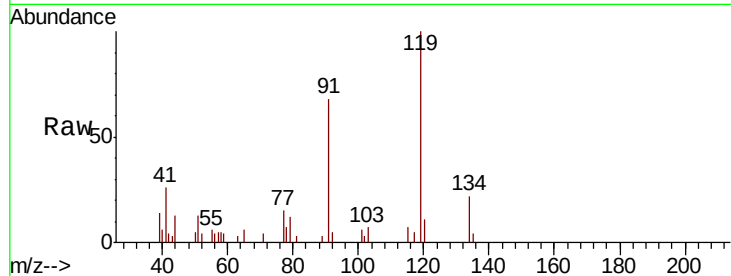




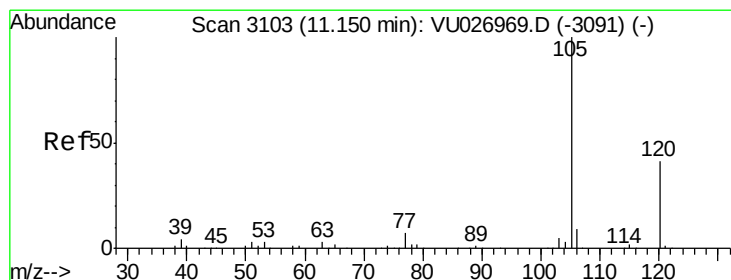
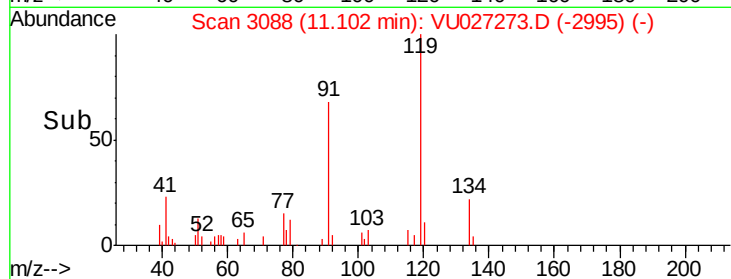
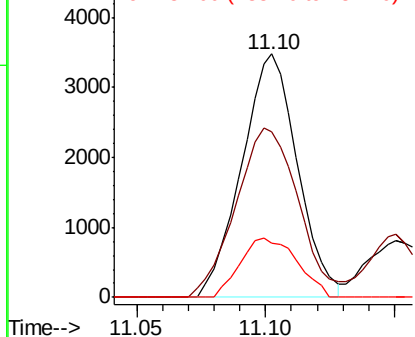
#83
 tert-Butylbenzene
 Concen: 0.896 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:119 Resp: 5244
 Ion Ratio Lower Upper
 119 100
 91 78.6 29.8 89.4
 134 24.8 11.5 34.4

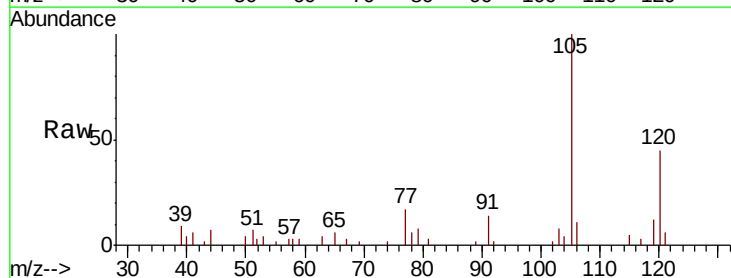


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

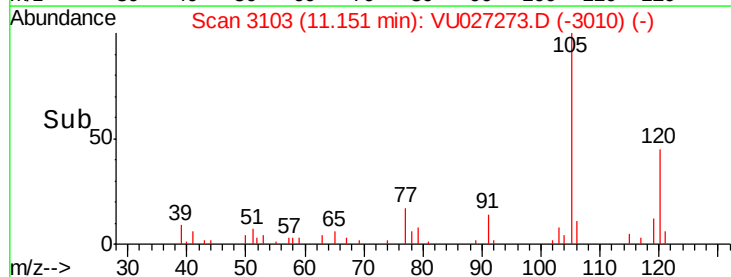
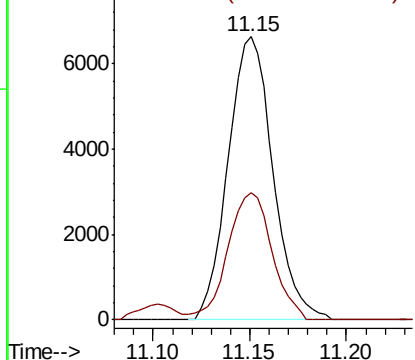


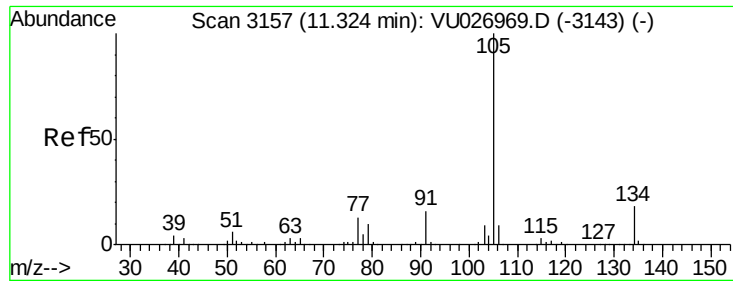
#84
 1,2,4-Trimethylbenzene
 Concen: 1.773 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Tgt Ion:105 Resp: 10685
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

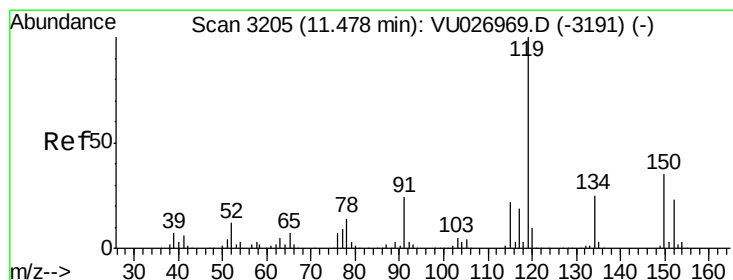
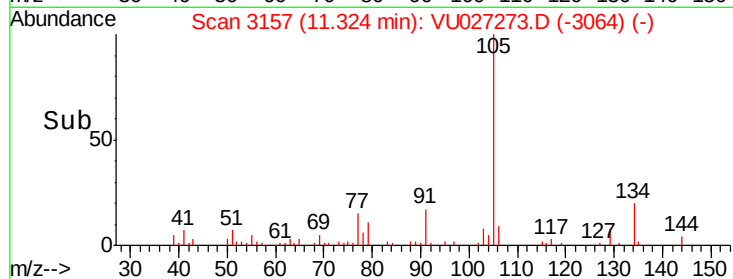
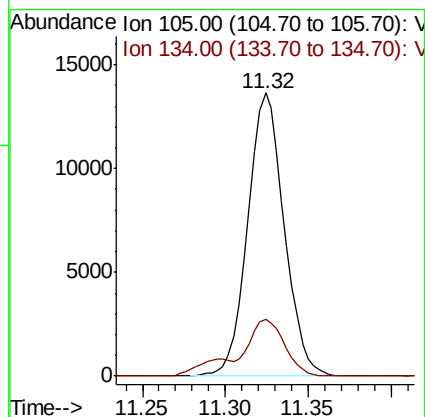
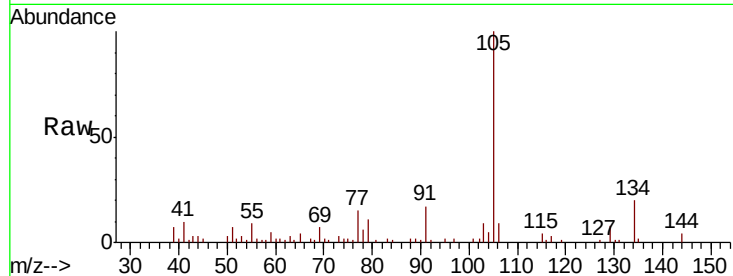




#85
 sec-Butylbenzene
 Concen: 2.904 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

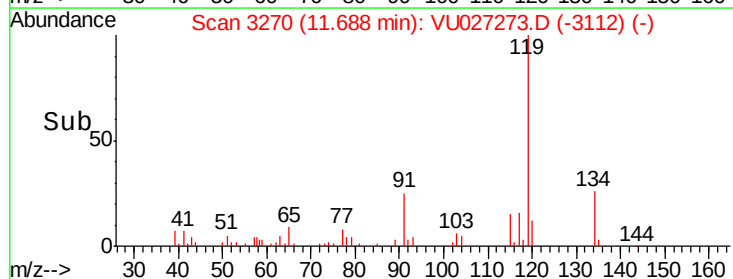
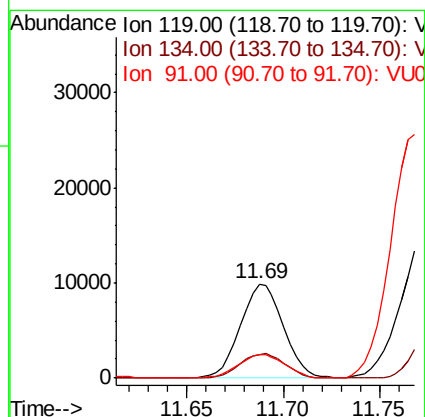
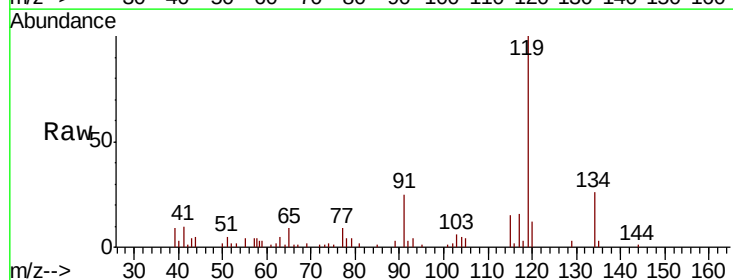
Instrument :
 MSVOA_U
 ClientSampleId :

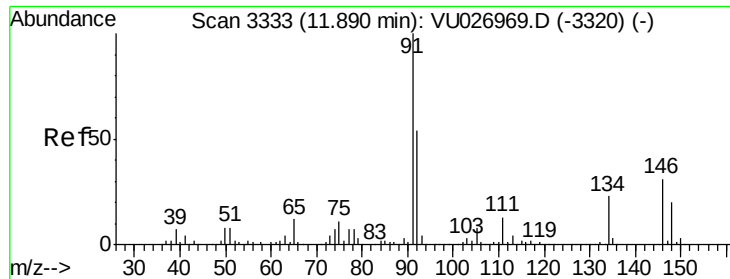
Tot Ion:105 Resp: 20757
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 3.165 ug/l
 RT: 11.69 min Scan# 3270
 Delta R.T. 0.21 min
 Lab File: VU027273.D
 Acq: 28 Sep 2018 15:52

Tgt Ion:119 Resp: 15288
 Ion Ratio Lower Upper
 119 100
 134 26.9 12.8 38.3
 91 27.2 12.3 36.8





#89

n-Butylbenzene

Concen: 2.917 ug/l

RT: 11.87 min Scan# 3326

Delta R.T. -0.02 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

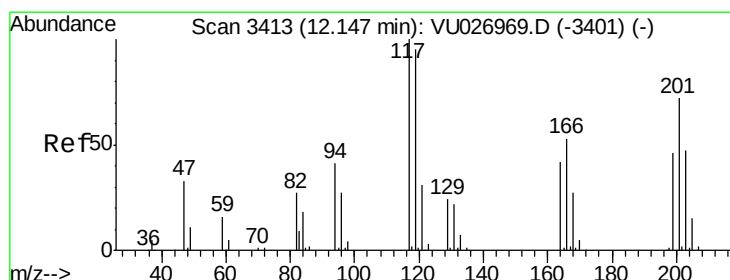
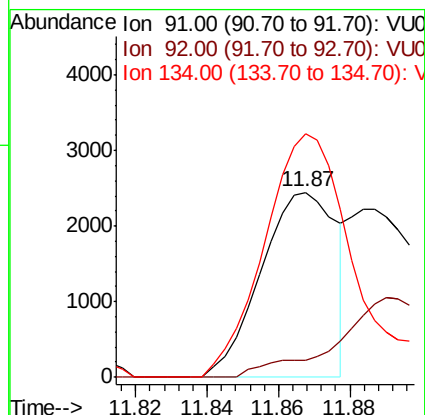
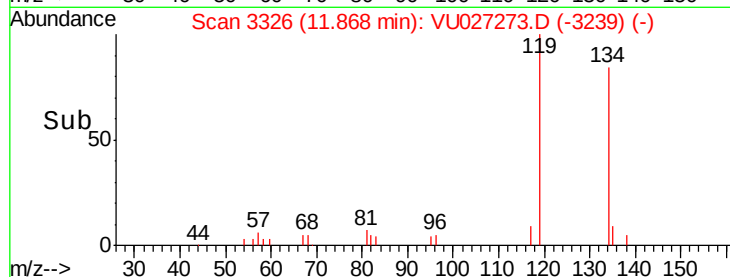
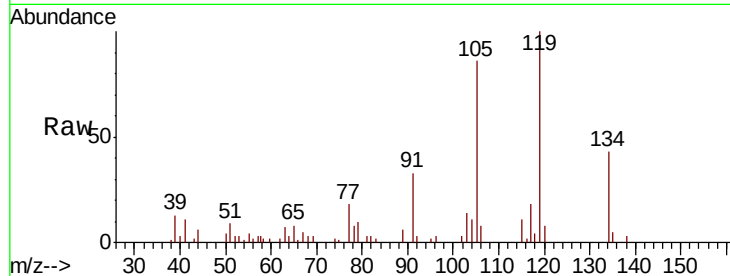
Tot Ion: 91 Resp: 3579

Ion Ratio Lower Upper

91 100

92 0.0 27.1 81.2#

134 155.0 11.7 35.0#



#90

Hexachloroethane

Concen: 5.932 ug/l

RT: 12.25 min Scan# 3446

Delta R.T. 0.11 min

Lab File: VU027273.D

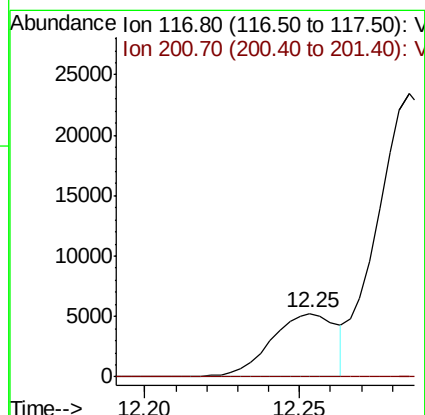
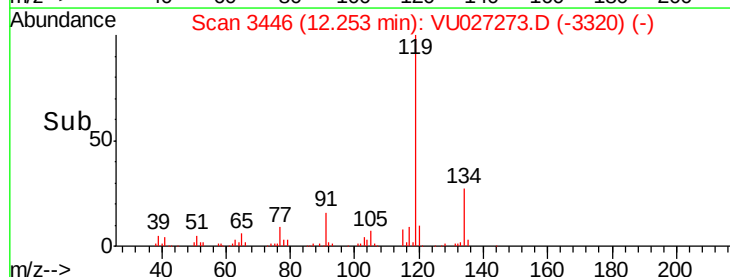
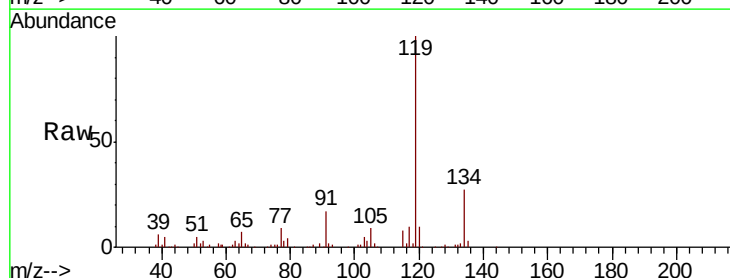
Acq: 28 Sep 2018 15:52

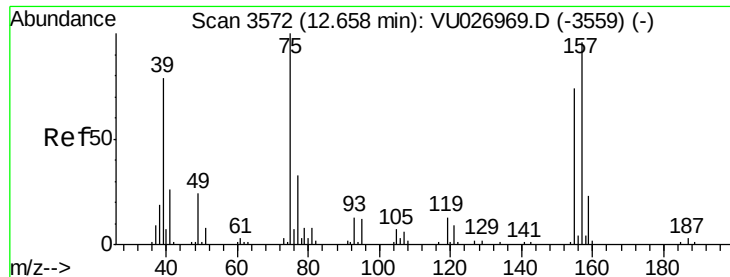
Tgt Ion: 117 Resp: 7710

Ion Ratio Lower Upper

117 100

201 0.0 36.8 110.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.707 ug/l

RT: 12.65 min Scan# 3569

Delta R.T. -0.01 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

Instrument :

MSVOA_U

ClientSampleId :

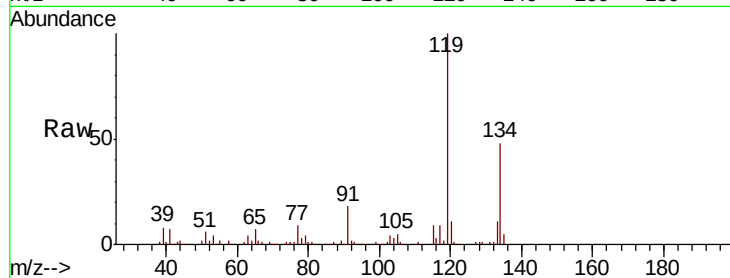
Tot Ion: 75 Resp: 476

Ion Ratio Lower Upper

75 100

155 0.0 36.6 109.8#

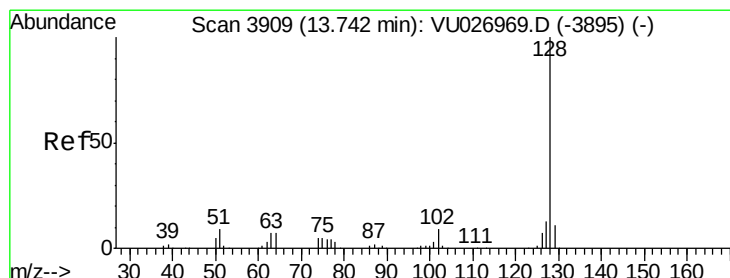
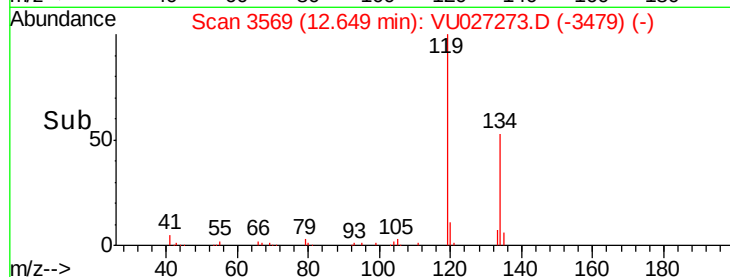
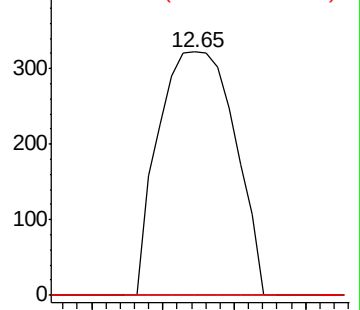
157 0.0 47.4 142.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 6.200 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027273.D

Acq: 28 Sep 2018 15:52

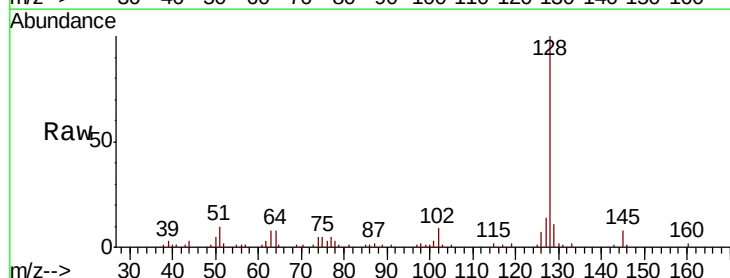
Tgt Ion: 128 Resp: 36459

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

129 12.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

