

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070318\
 Data File : VU025195.D
 Acq On : 03 Jul 2018 17:37
 Operator : MD/SY
 Sample : J3783-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 04 04:59:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	203331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304366	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	287199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154816	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	155178	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
35) Dibromofluoromethane	4.89	113	120609	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
50) Toluene-d8	7.57	98	443089	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
62) 4-Bromofluorobenzene	10.31	95	166459	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	550	0.212	ug/l 91
6) Chloroethane	1.67	64	70	Below Cal	# 43
10) Methyl Iodide	2.42	142	68	5.317	ug/l # 40
11) Tert butyl alcohol	2.82	59	9831	12.177	ug/l 100
13) Acrolein	2.20	56	221	0.521	ug/l # 1
14) Allyl chloride	2.71	41	40657	9.458	ug/l # 57
15) Acrylonitrile	3.00	53	719	0.458	ug/l # 20
16) Acetone	2.32	43	8747	4.904	ug/l 89
18) Methyl Acetate	2.71	43	94841	24.805	ug/l # 53
20) Methylene Chloride	2.70	84	614	0.219	ug/l # 1
25) 2-Butanone	4.24	43	7728	3.226	ug/l # 51
30) Chloroform	4.73	83	1343	0.271	ug/l 92
31) Cyclohexane	5.00	56	10278	0.403	ug/l # 56
36) 1,1-Dichloropropene	4.99	75	15081	4.217	ug/l # 51
37) Ethyl Acetate	4.24	43	7728	1.982	ug/l # 73
38) Carbon Tetrachloride	4.99	117	20439	5.197	ug/l # 16
39) Methylcyclohexane	6.42	83	16400	3.674	ug/l 96
40) Benzene	5.39	78	31210	3.062	ug/l 99
43) Isopropyl Acetate	5.54	43	49328	7.321	ug/l # 62
48) Methyl methacrylate	6.60	41	5223	1.592	ug/l # 31
51) 4-Methyl-2-Pentanone	7.47	43	4767	1.126	ug/l 94
55) 1,1,2-Trichloroethane	8.05	97	8577	3.218	ug/l # 18
56) Ethyl methacrylate	8.05	69	2234	0.501	ug/l # 13
59) 2-Hexanone	8.17	43	30041	8.692	ug/l 75
67) Ethyl Benzene	9.25	91	812991	63.208	ug/l 98
68) m/p-Xylenes	9.38	106	25634	5.190	ug/l 92
69) o-Xylene	9.79	106	2129	0.436	ug/l 94
73) Isopropylbenzene	10.17	105	147459	12.406	ug/l 99
74) N-amyl acetate	10.07	43	5155	0.912	ug/l # 54
75) 1,1,2,2-Tetrachloroethane	10.40	83	1353	0.340	ug/l # 25
76) 1,2,3-Trichloropropane	10.31	75	87000	25.525	ug/l # 35
78) n-propylbenzene	10.59	91	162659	11.617	ug/l 100
79) 2-Chlorotoluene	10.59	91	162659	19.699	ug/l # 41
80) 1,3,5-Trimethylbenzene	10.78	105	21016	2.040	ug/l 93

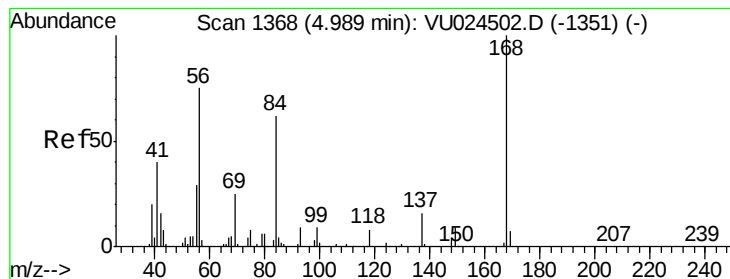
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025195.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	10.31	75	87000	59.074	uq/l #	100
82) 4-Chlorotoluene	10.59	91	162659	16.925	uq/l #	45
83) tert-Butylbenzene	11.10	119	3832	0.387	uq/l	86
84) 1,2,4-Trimethylbenzene	11.15	105	9011	0.858	uq/l	100
85) sec-Butylbenzene	11.33	105	19046	1.535	uq/l	98
86) p-Isopropyltoluene	11.48	119	18825	1.694	uq/l	97
89) n-Butylbenzene	11.88	91	8493	0.861	uq/l #	28
90) Hexachloroethane	12.29	117	11376	5.249	uq/l #	8
95) Naphthalene	13.75	128	173739	15.734	uq/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

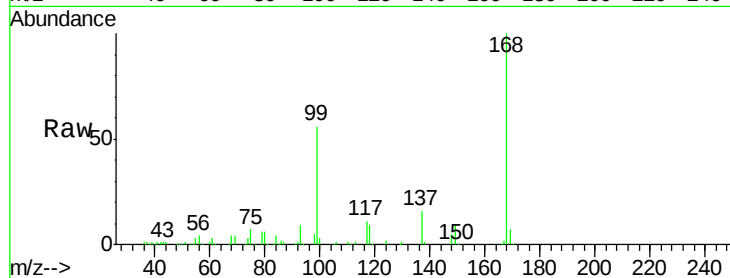
ClientSampleId :

Tot Ion:168 Resp: 203331

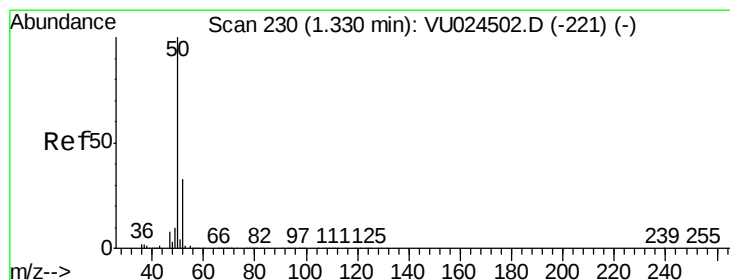
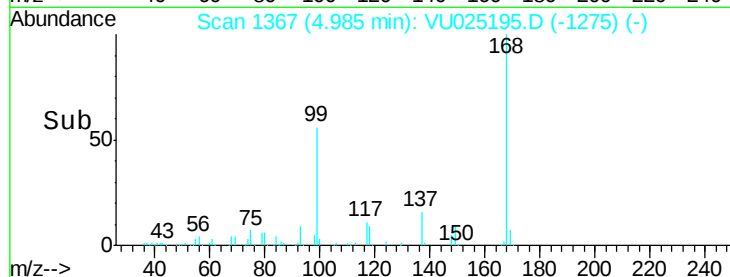
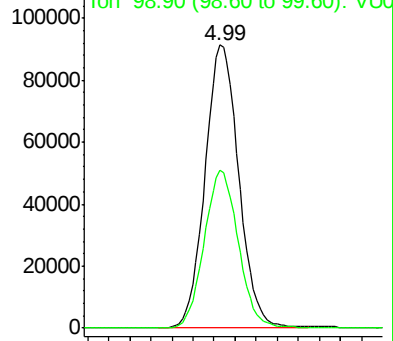
Ion Ratio Lower Upper

168 100

99 55.7 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.212 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025195.D

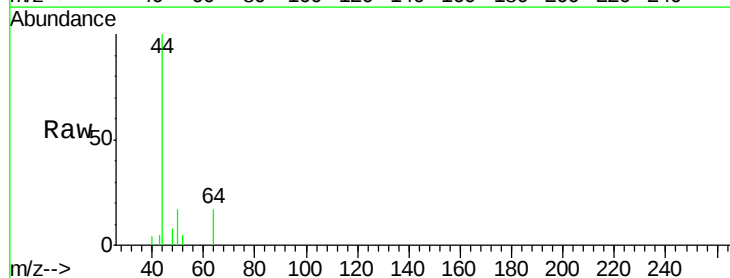
Acq: 03 Jul 2018 17:37

Tgt Ion: 50 Resp: 550

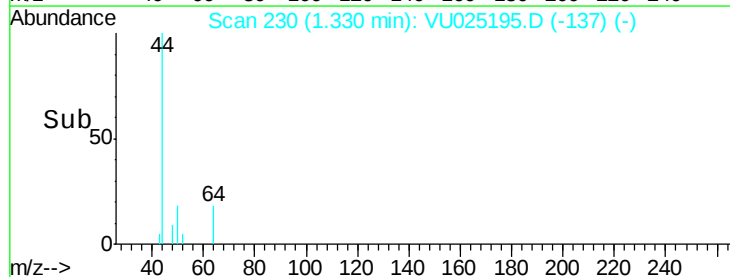
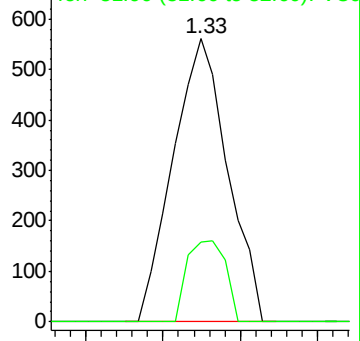
Ion Ratio Lower Upper

50 100

52 28.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 336

Delta R.T. -0.03 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

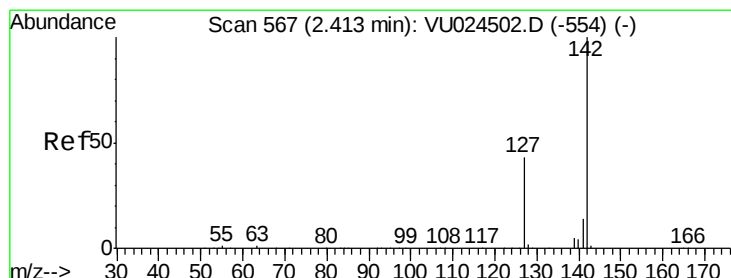
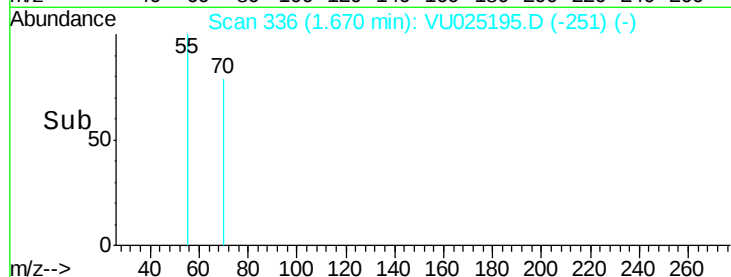
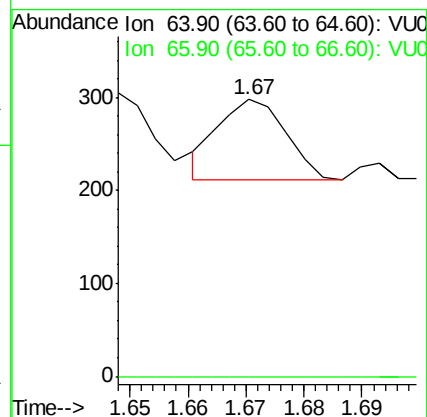
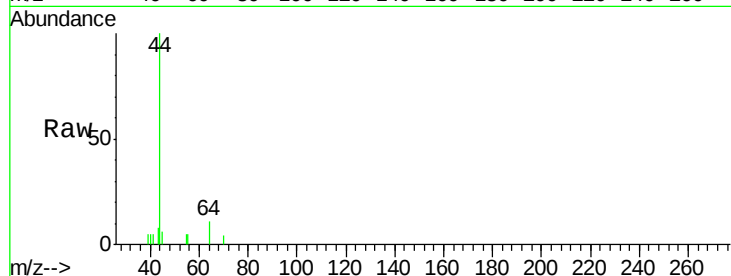
ClientSampleId :

Tot Ion: 64 Resp: 70

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#10

Methyl Iodide

Concen: 5.317 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

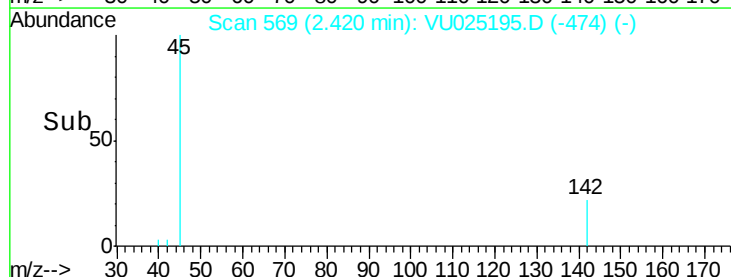
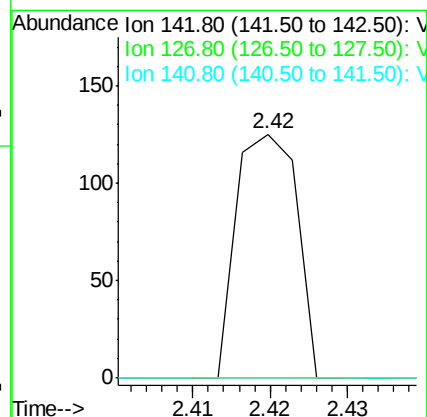
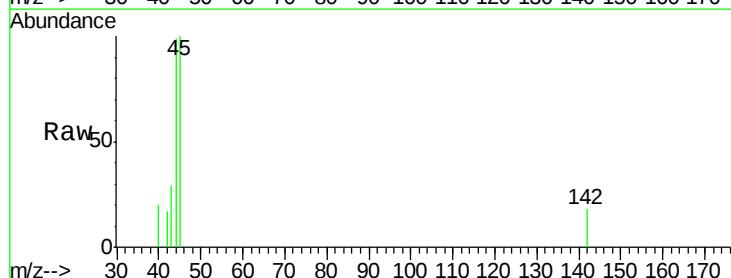
Tgt Ion: 142 Resp: 68

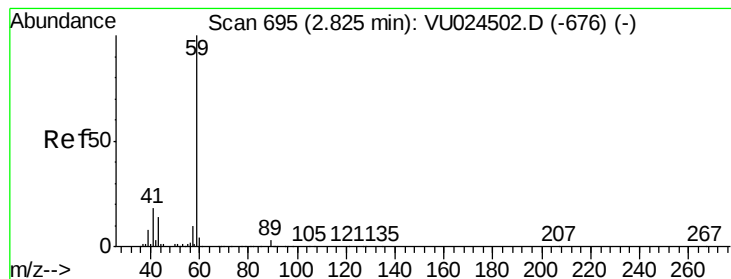
Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



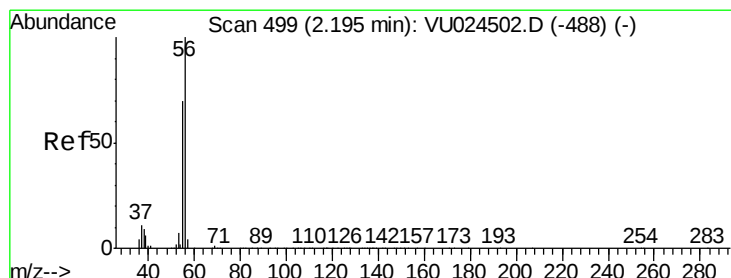
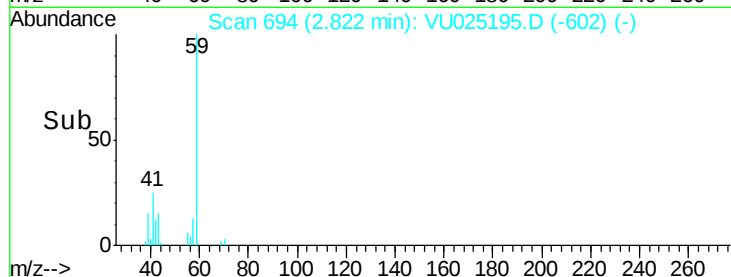
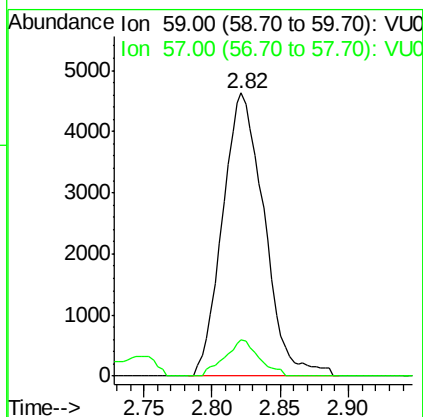
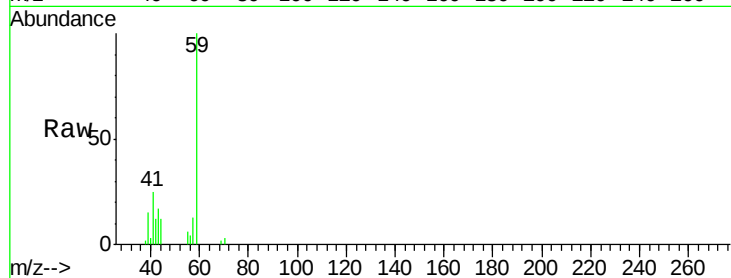


#11

Tert butyl alcohol
 Concen: 12.177 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU025195.D
 Acq: 03 Jul 2018 17:37

Instrument :
 MSVOA_U
 ClientSampled :

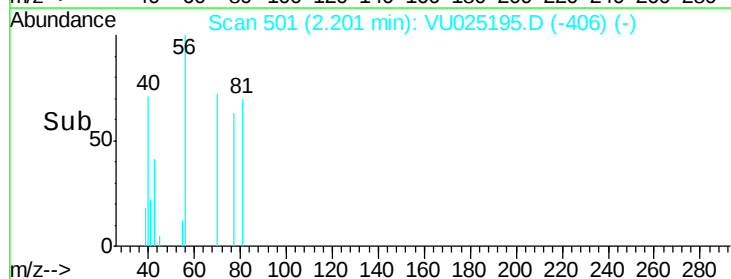
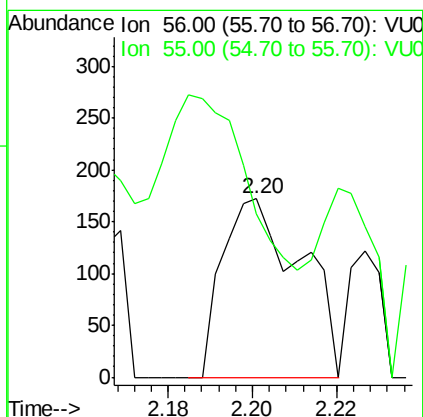
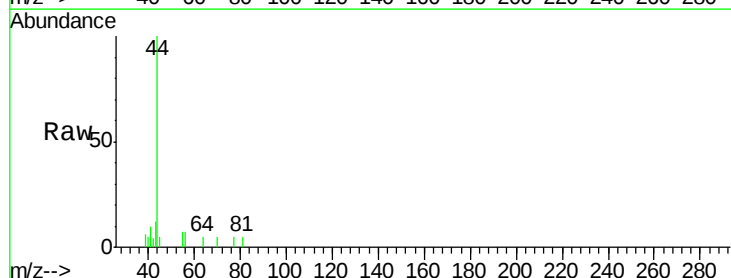
Tot Ion: 59 Resp: 9831
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.5 12.7

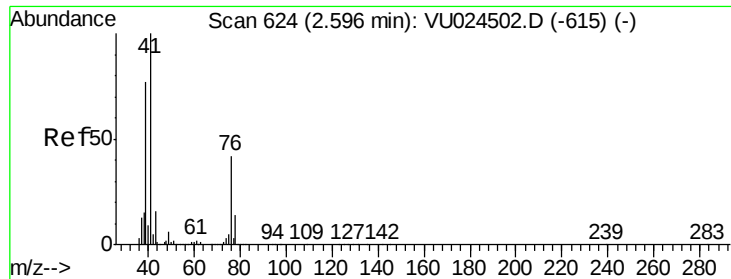


#13

Acrolein
 Concen: 0.521 ug/l
 RT: 2.20 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VU025195.D
 Acq: 03 Jul 2018 17:37

Tgt Ion: 56 Resp: 221
 Ion Ratio Lower Upper
 56 100
 55 192.8 58.4 87.6#





#14

Allvl chloride

Concen: 9.458 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.11 min

Lab File: VU025195.D

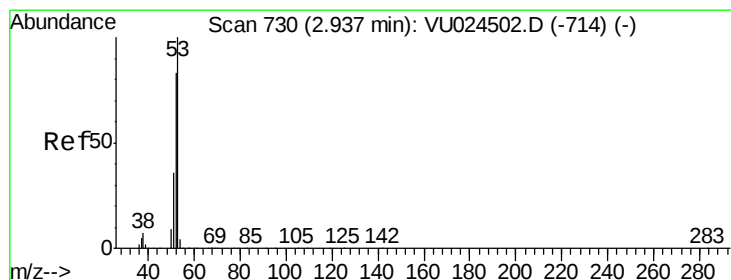
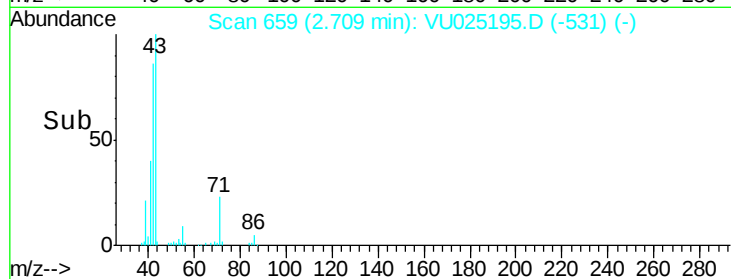
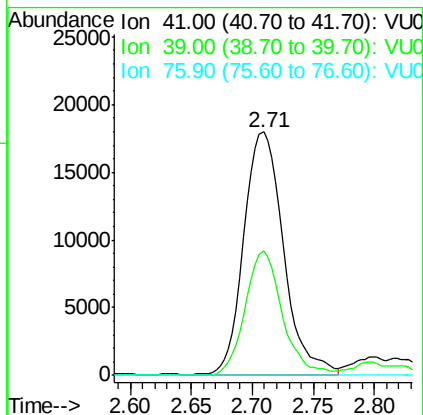
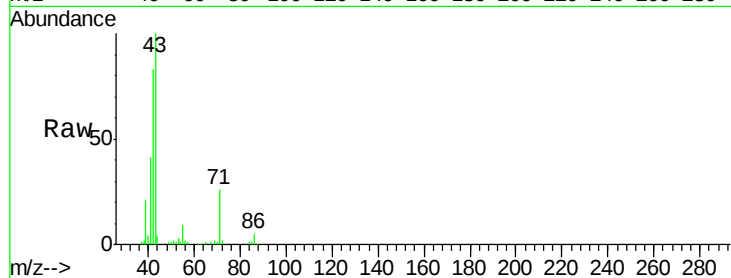
Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	41	Resp:	40657
Ion	Ratio	Lower	Upper
41	100		
39	47.5	61.6	92.4#
76	0.0	29.7	44.5#



#15

Acrylonitrile

Concen: 0.458 ug/l

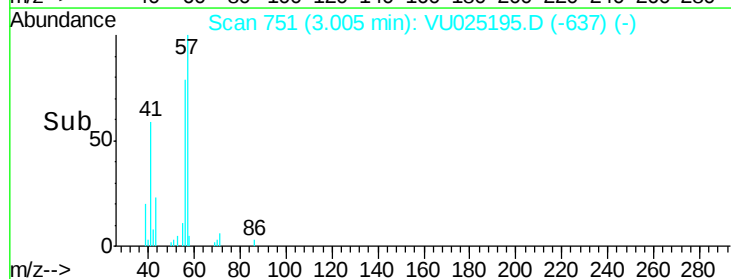
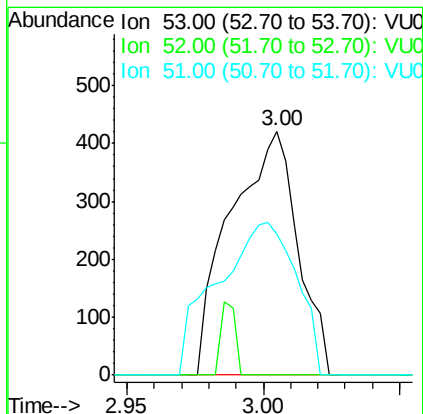
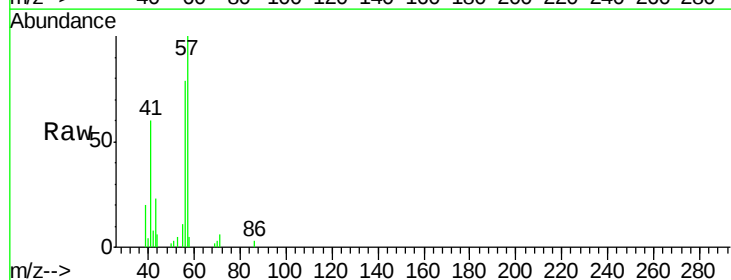
RT: 3.00 min Scan# 751

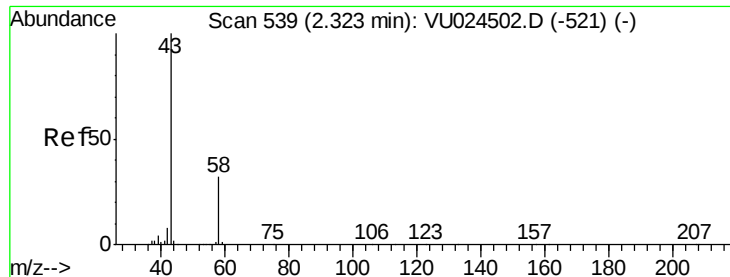
Delta R.T. 0.07 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Tgt Ion:	53	Resp:	719
Ion	Ratio	Lower	Upper
53	100		
52	6.5	67.1	100.7#
51	74.3	28.4	42.6#





#16

Acetone

Concen: 4.904 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

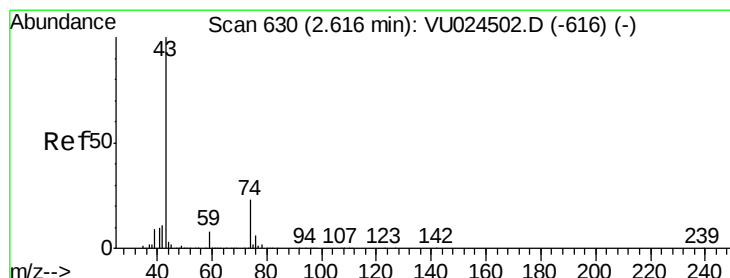
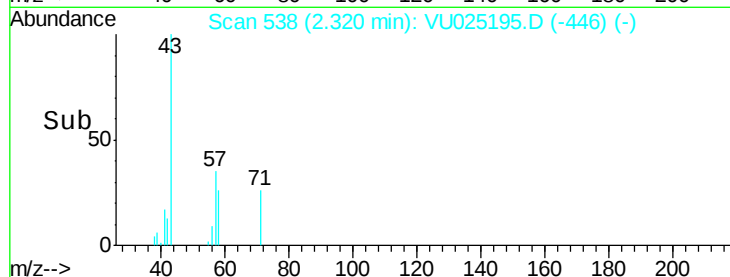
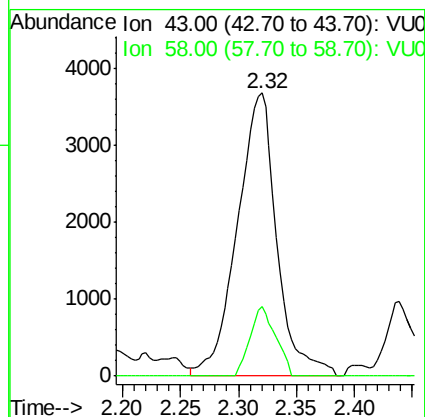
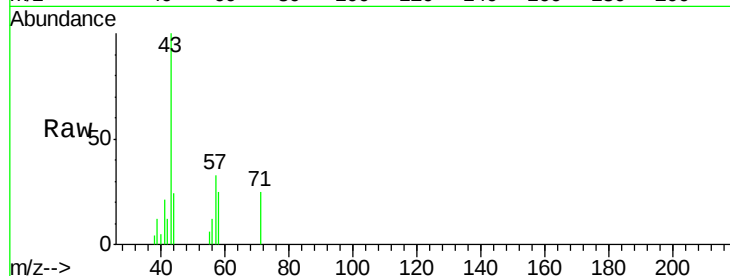
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 8747

Ion Ratio Lower Upper

43 100

58 24.7 24.4 36.6



#18

Methyl Acetate

Concen: 24.805 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.09 min

Lab File: VU025195.D

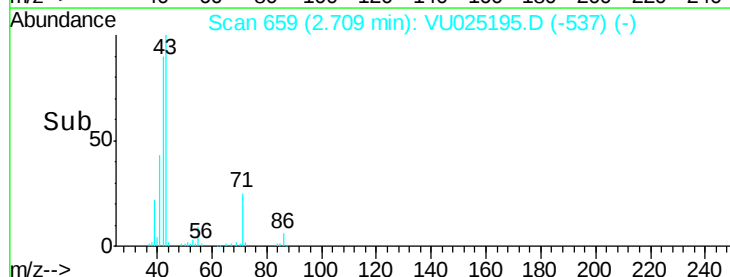
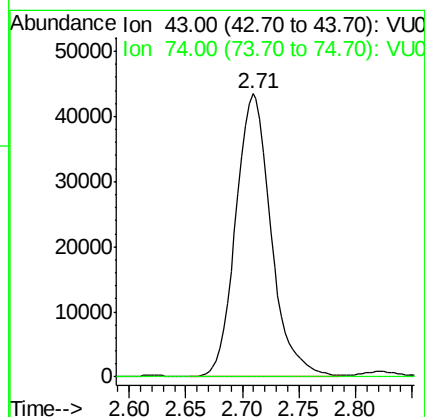
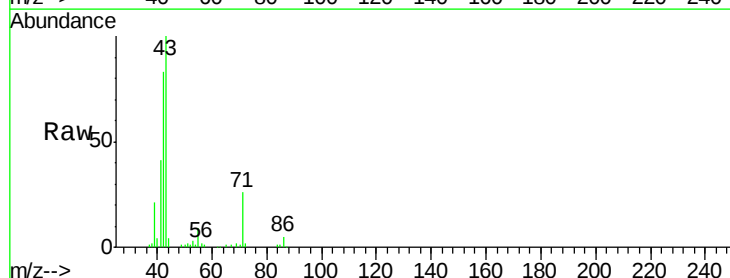
Acq: 03 Jul 2018 17:37

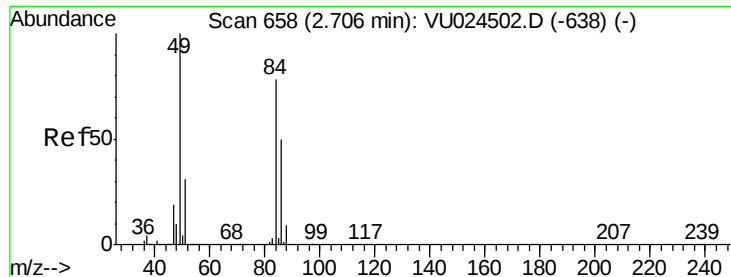
Tgt Ion: 43 Resp: 94841

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#





#20

Methylene Chloride

Concen: 0.219 ug/l

RT: 2.70 min Scan# 657

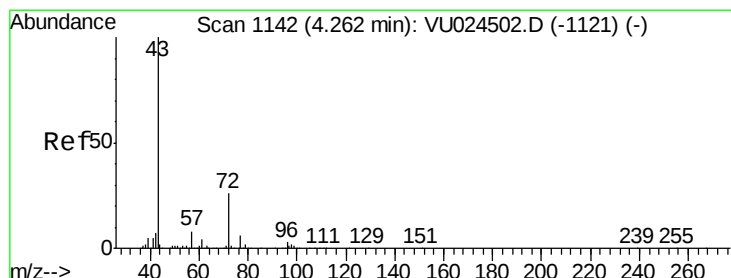
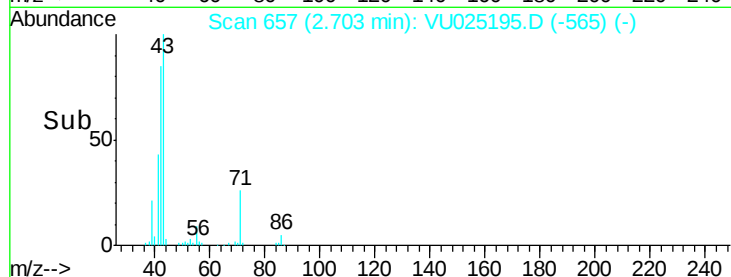
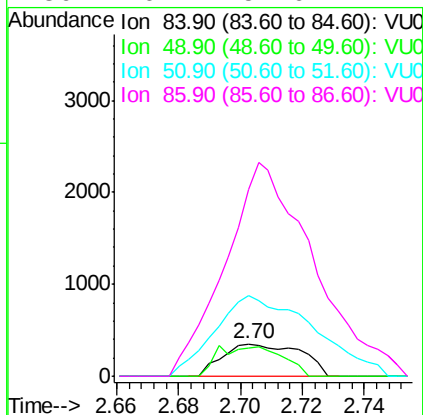
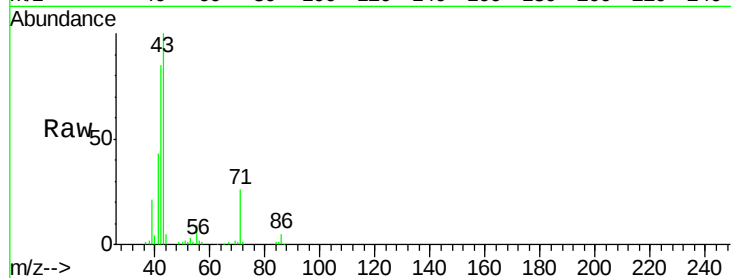
Delta R.T. -0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	84	Resp:	614
Ion	Ratio	Lower	Upper
84	100		
49	89.2	103.8	155.8#
51	197.4	32.0	48.0#
86	476.4	51.6	77.4#



#25

2-Butanone

Concen: 3.226 ug/l

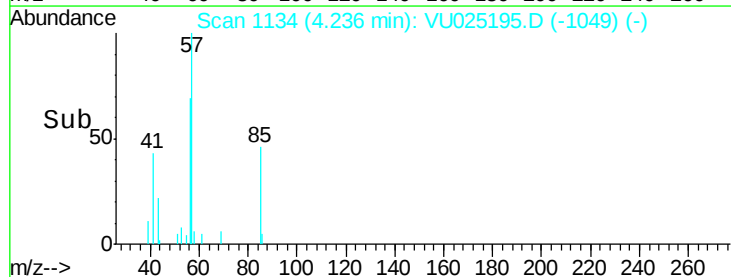
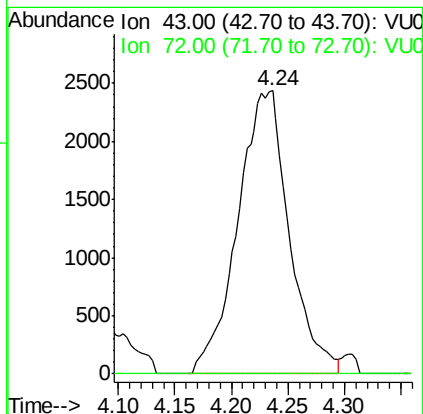
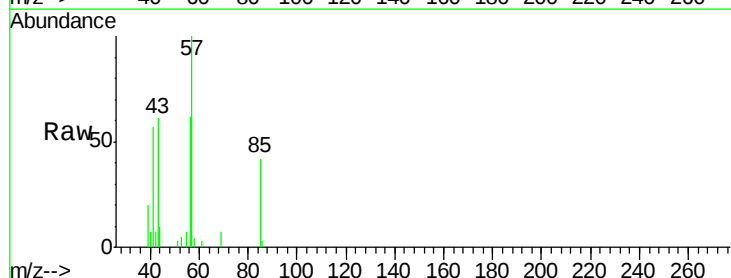
RT: 4.24 min Scan# 1134

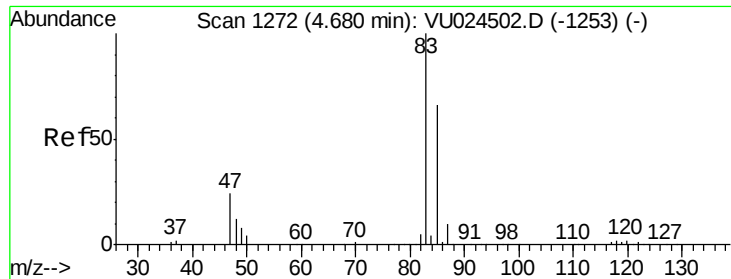
Delta R.T. -0.03 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Tgt Ion:	43	Resp:	7728
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.6	29.4#

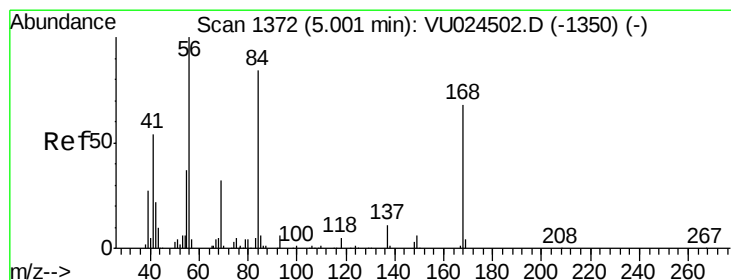
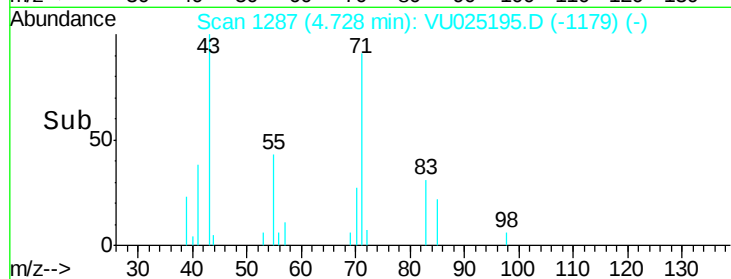
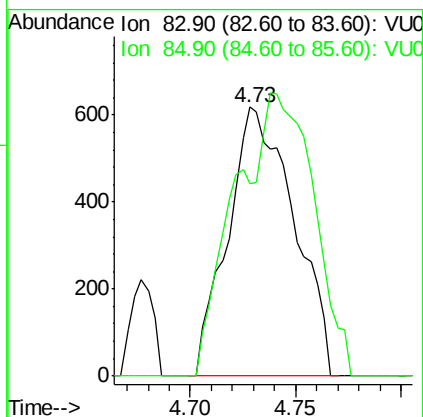
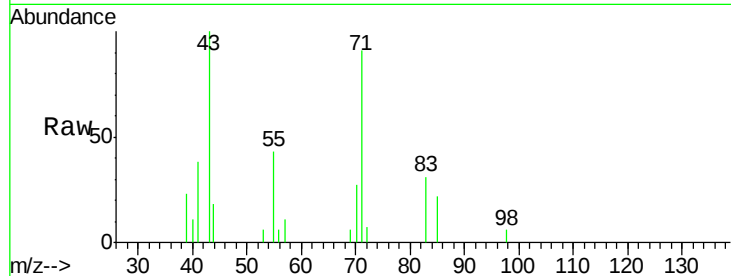




#30
Chloroform
Concen: 0.271 ug/l
RT: 4.73 min Scan# 1287
Delta R.T. 0.05 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

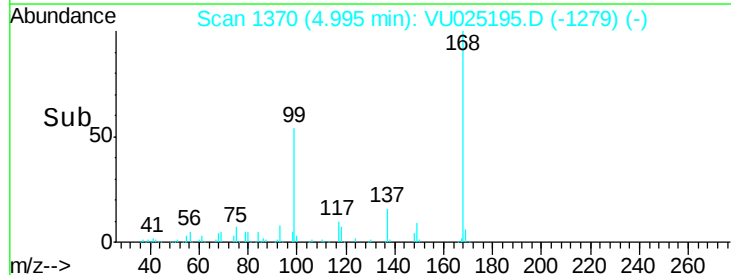
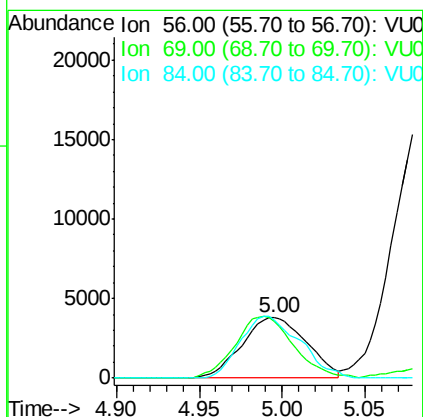
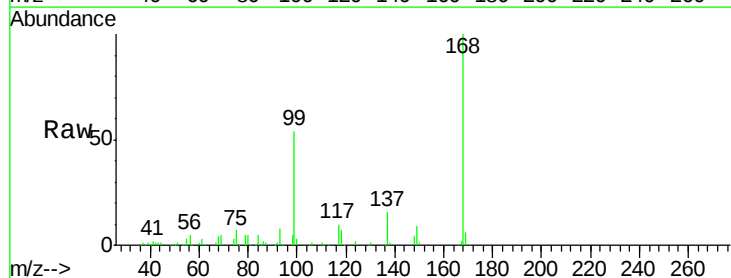
Instrument :
MSVOA_U
ClientSampleId :

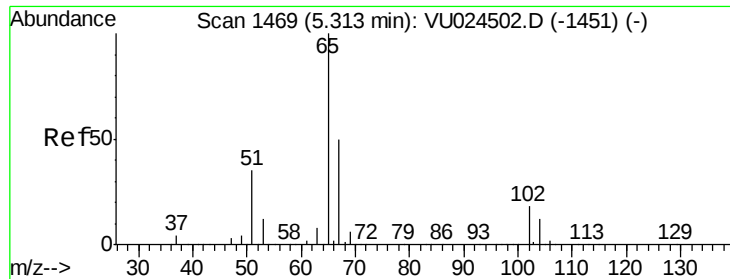
Tot Ion: 83 Resp: 1343
Ion Ratio Lower Upper
83 100
85 71.6 52.4 78.6



#31
Cyclohexane
Concen: 0.403 ug/l
RT: 5.00 min Scan# 1370
Delta R.T. -0.01 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Tgt Ion: 56 Resp: 10278
Ion Ratio Lower Upper
56 100
69 94.0 24.8 37.2#
84 96.5 65.2 97.8

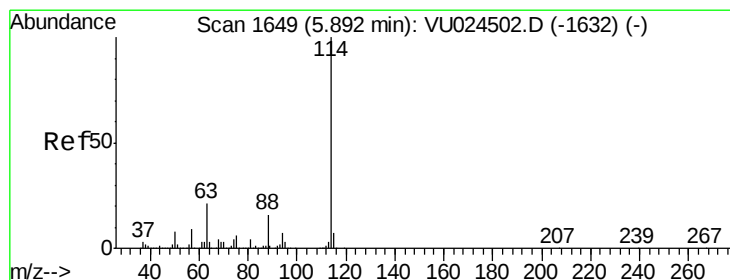
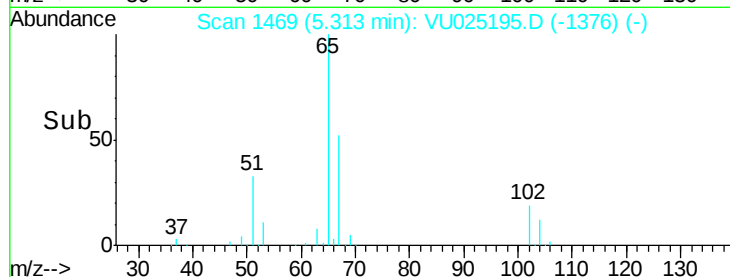
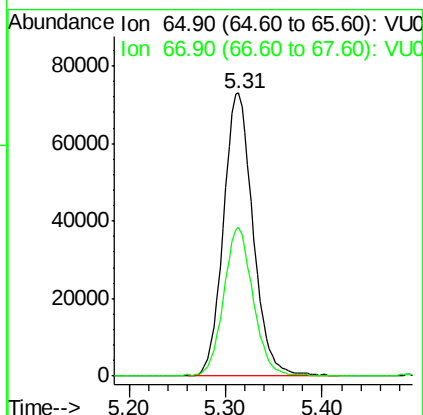
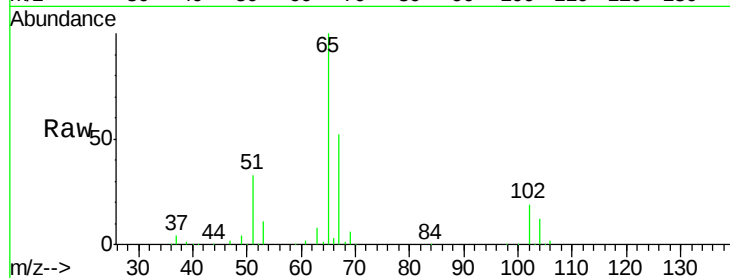




#33
 1,2-Dichloroethane-d4
 Concen: 46.749 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025195.D
 Acq: 03 Jul 2018 17:37

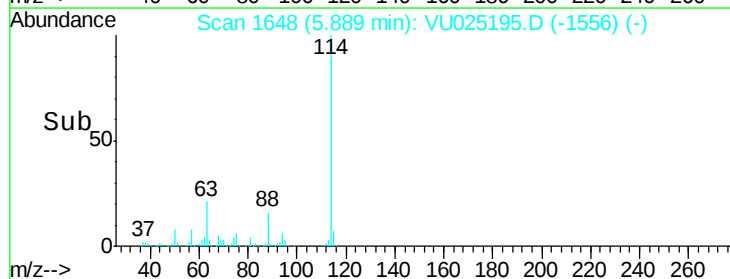
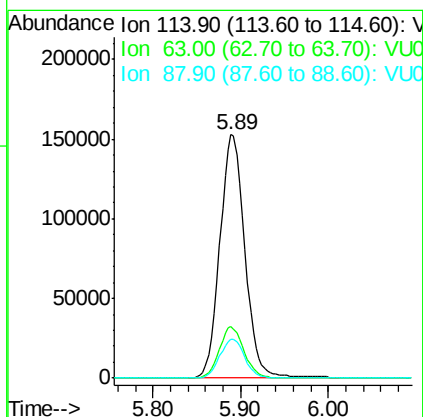
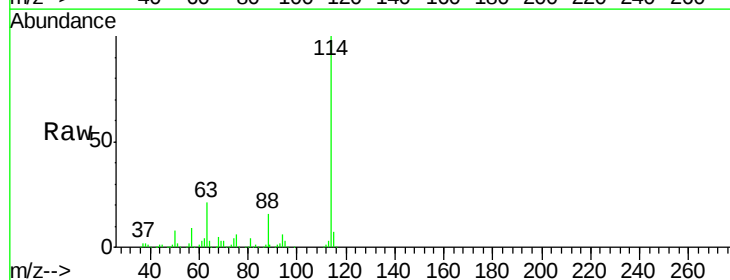
Instrument :
 MSVOA_U
 ClientSampled :

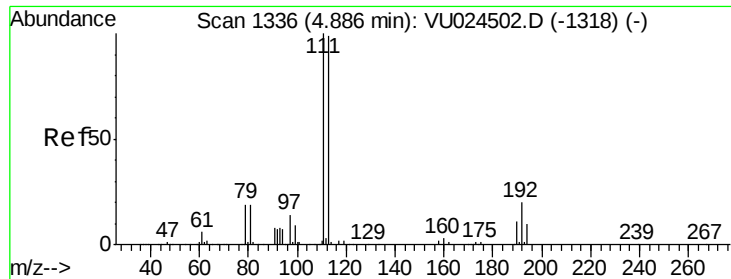
Tot Ion: 65 Resp: 155178
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025195.D
 Acq: 03 Jul 2018 17:37

Tgt Ion: 114 Resp: 304366
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 45.4
 88 15.7 0.0 31.0

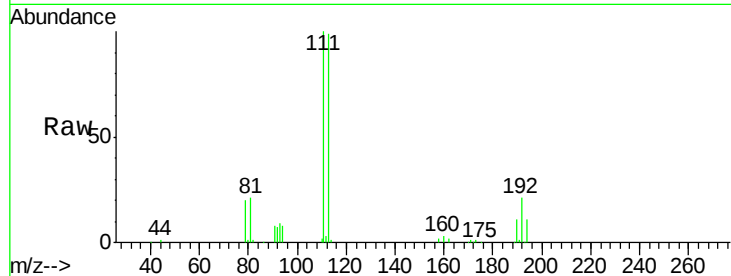




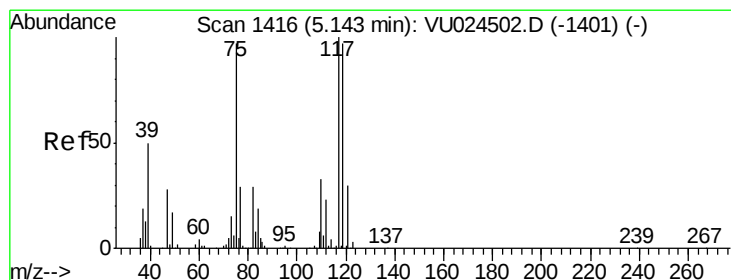
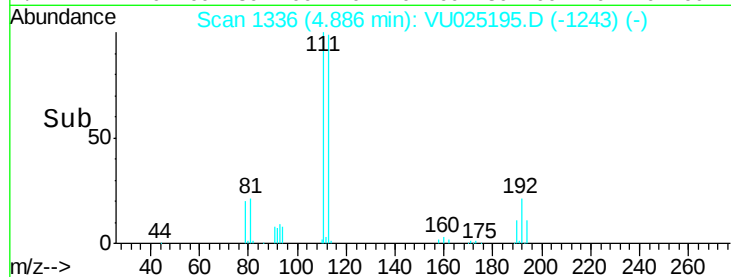
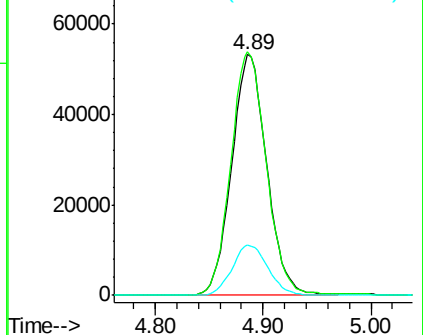
#35
 Dibromofluoromethane
 Concen: 47.747 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025195.D
 Acq: 03 Jul 2018 17:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	21.3	16.2	24.4

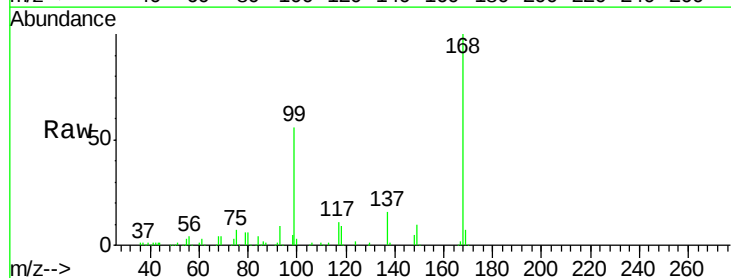


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

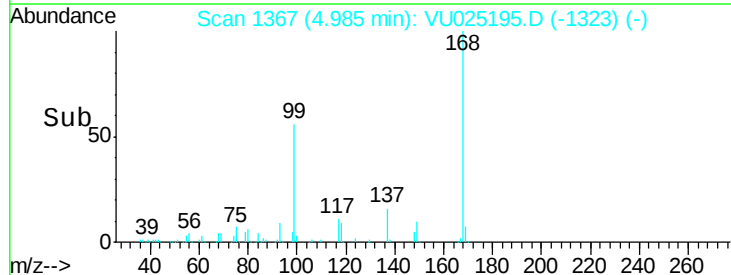
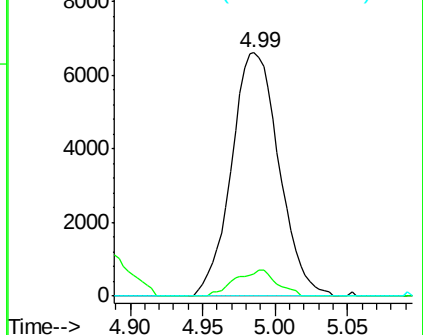


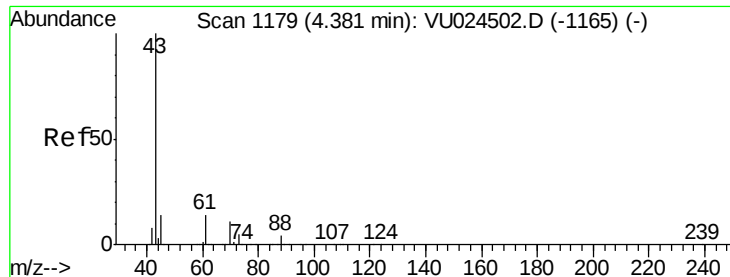
#36
 1,1-Dichloropropene
 Concen: 4.217 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025195.D
 Acq: 03 Jul 2018 17:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.0	50.9#
77	0.0	24.2	36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

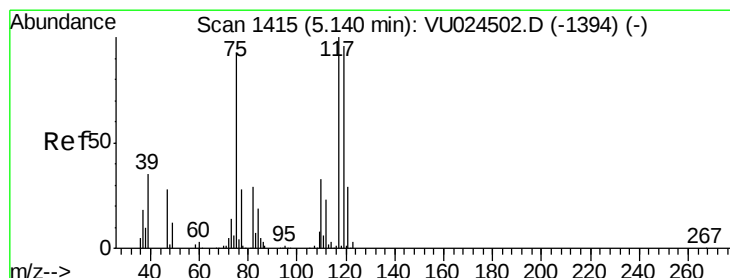
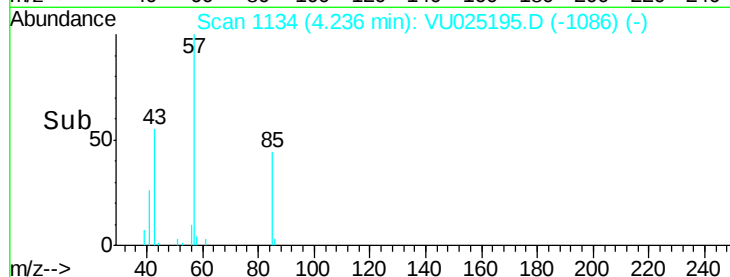
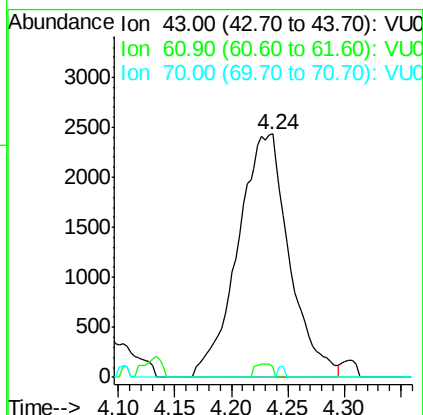
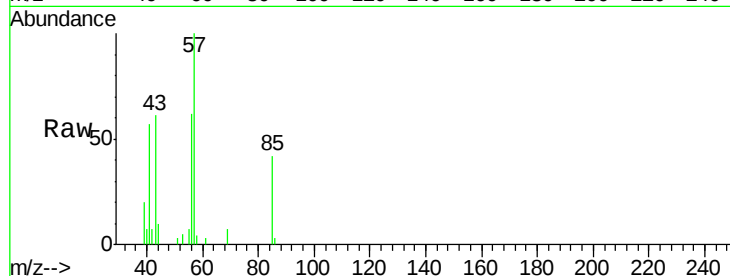




#37
Ethyl Acetate
Concen: 1.982 ug/l
RT: 4.24 min Scan# 1134
Delta R.T. -0.14 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

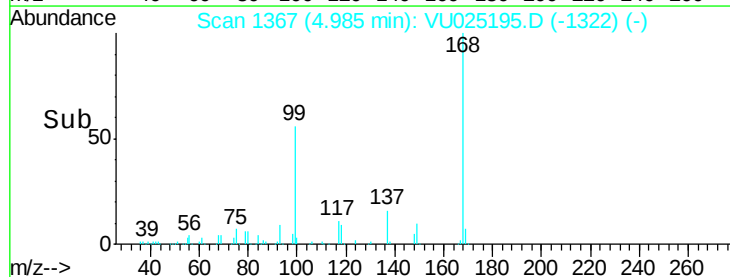
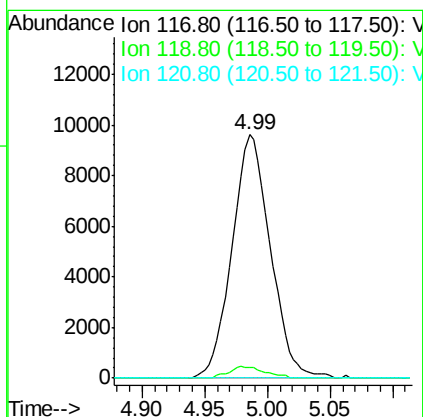
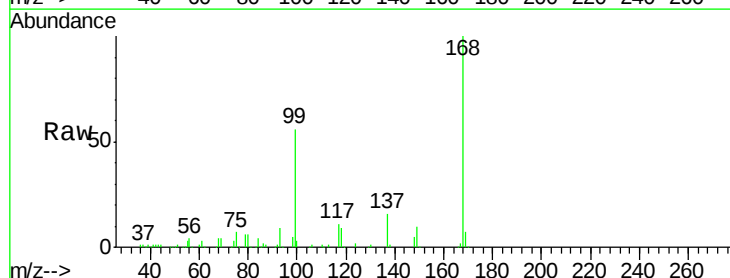
Instrument :
MSVOA_U
ClientSampleId :

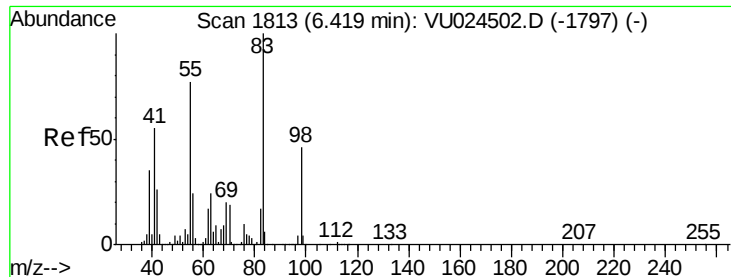
Tot Ion: 43 Resp: 7728
Ion Ratio Lower Upper
43 100
61 1.8 10.5 15.7#
70 0.5 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 5.197 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.15 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Tgt Ion: 117 Resp: 20439
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 23.7 35.5#

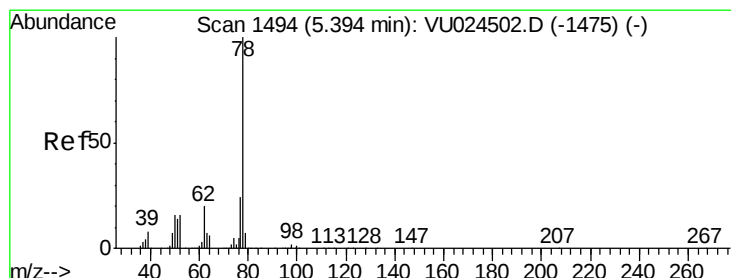
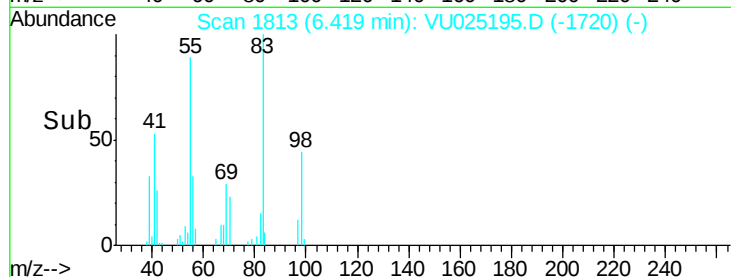
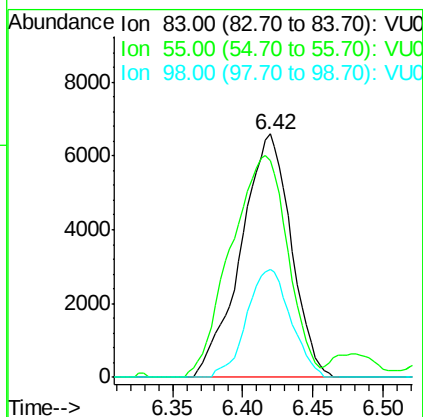
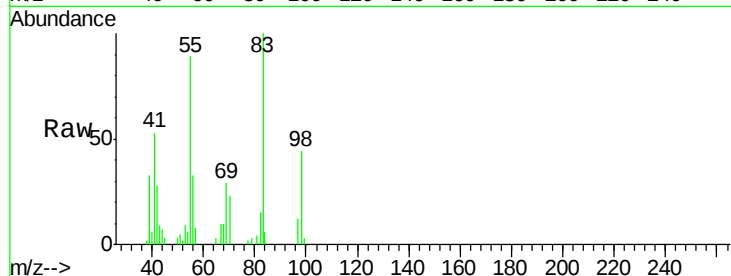




#39
Methvlcvclohexane
Concen: 3.674 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

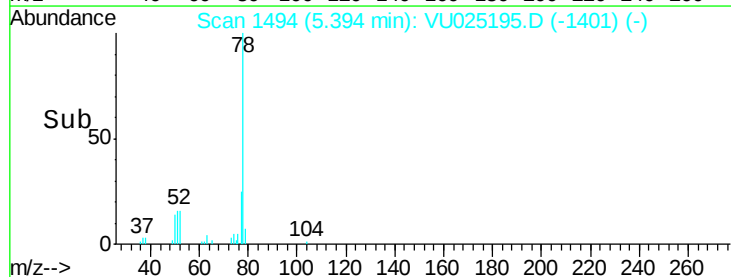
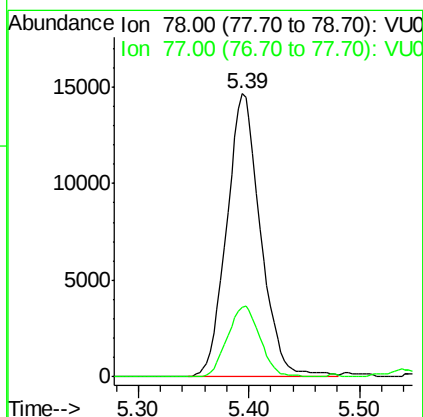
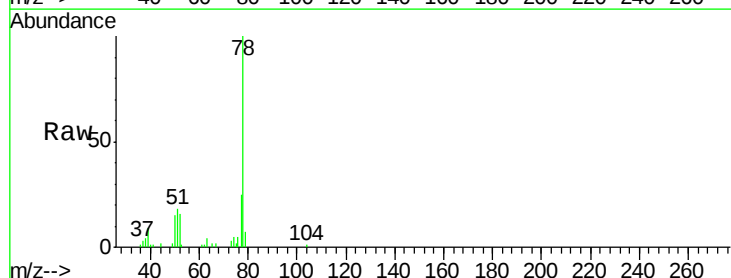
Instrument :
MSVOA_U
ClientSampleId :

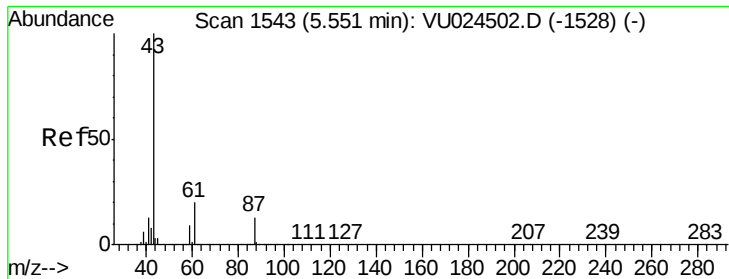
Tot Ion: 83 Resp: 16400
Ion Ratio Lower Upper
83 100
55 86.9 65.8 98.6
98 44.3 36.7 55.1



#40
Benzene
Concen: 3.062 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Tgt Ion: 78 Resp: 31210
Ion Ratio Lower Upper
78 100
77 24.5 19.2 28.8





#43

Isopropyl Acetate

Concen: 7.321 ug/l

RT: 5.54 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

ClientSampleId :

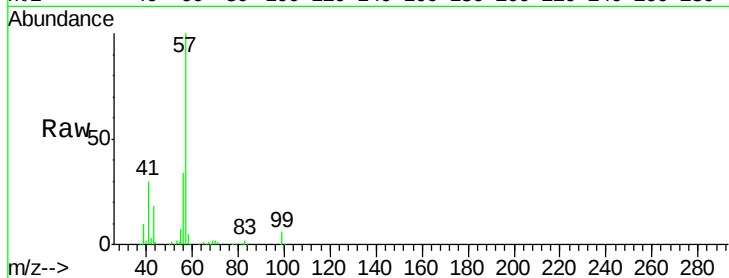
Tot Ion: 43 Resp: 49328

Ion Ratio Lower Upper

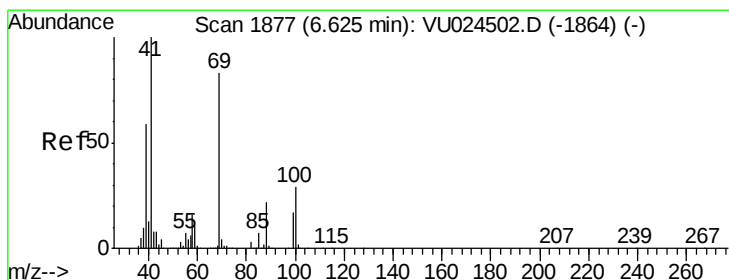
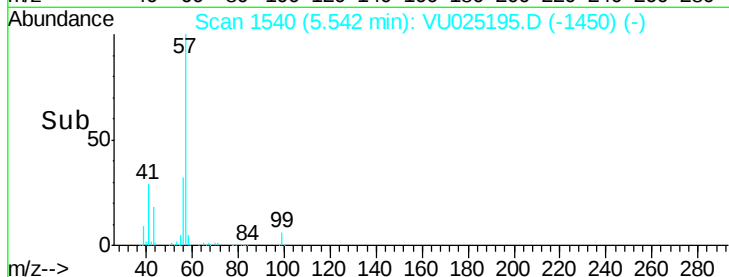
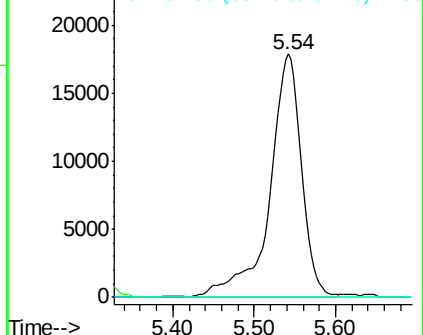
43 100

61 0.0 15.4 23.0#

87 0.0 10.0 15.0#



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



#48

Methyl methacrylate

Concen: 1.592 ug/l

RT: 6.60 min Scan# 1868

Delta R.T. -0.03 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

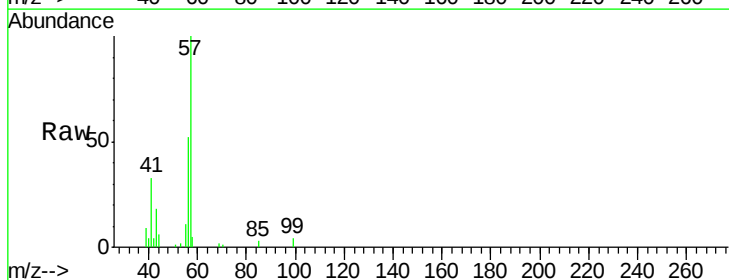
Tgt Ion: 41 Resp: 5223

Ion Ratio Lower Upper

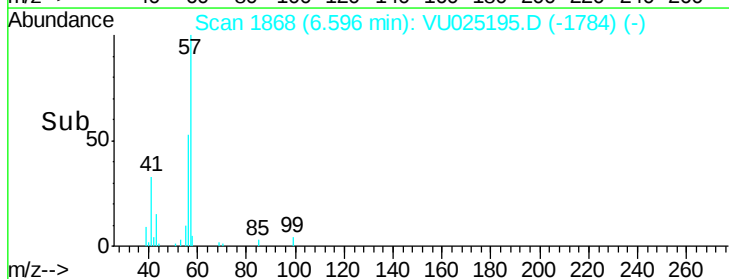
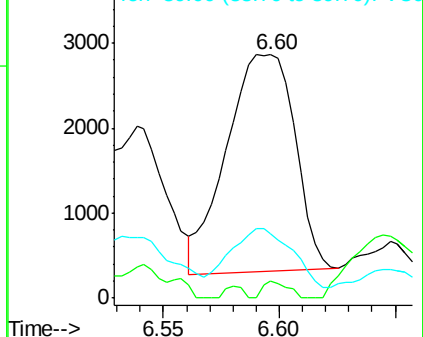
41 100

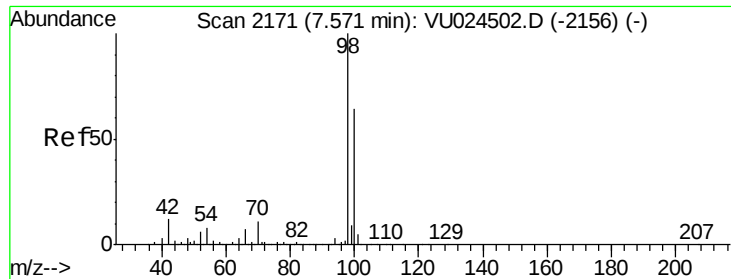
69 0.0 67.3 100.9#

39 32.0 46.5 69.7#



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

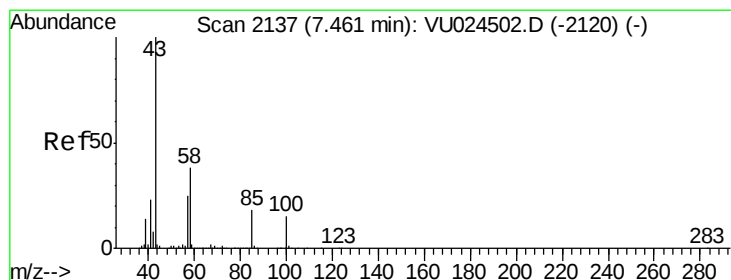
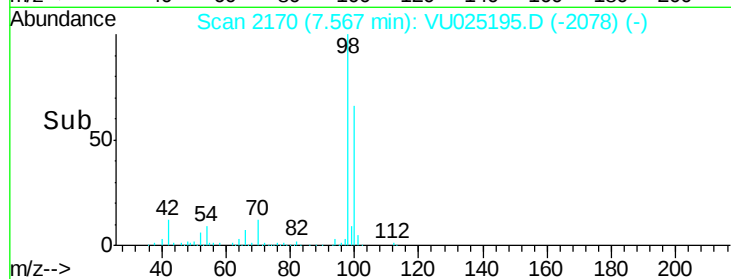
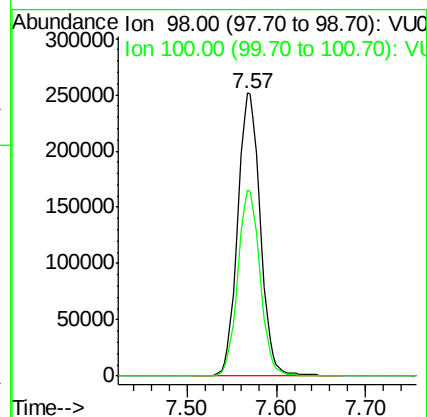
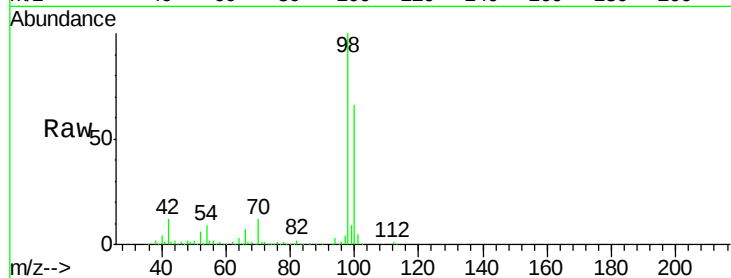




#50
Toluene-d8
Concen: 48.090 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

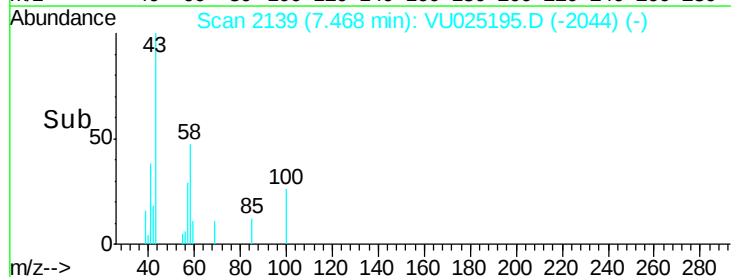
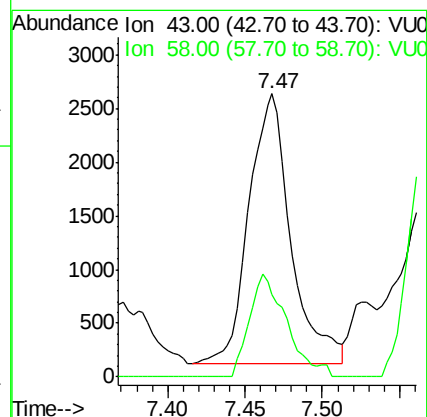
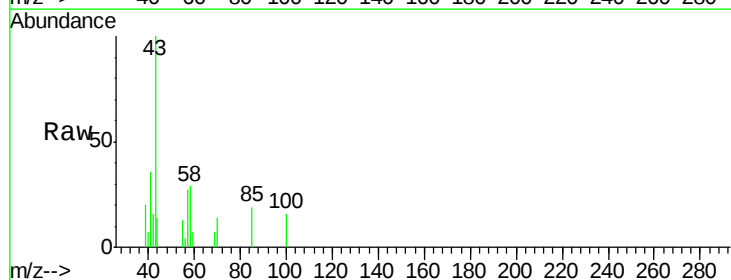
Instrument :
MSVOA_U
ClientSampled :

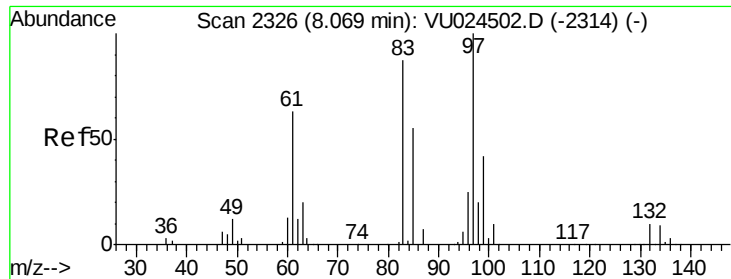
Tot Ion: 98 Resp: 443089
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 1.126 ug/l
RT: 7.47 min Scan# 2139
Delta R.T. 0.01 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Tgt Ion: 43 Resp: 4767
Ion Ratio Lower Upper
43 100
58 33.6 30.0 45.0

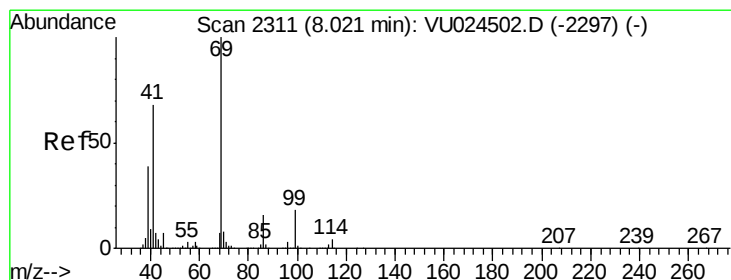
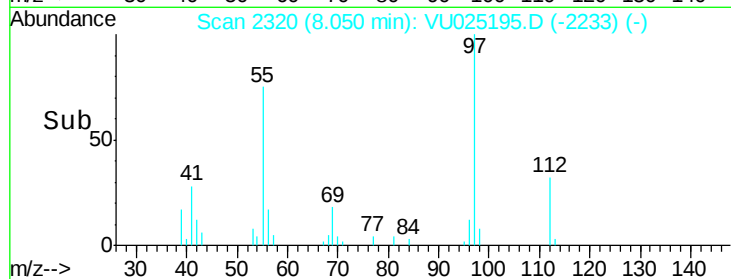
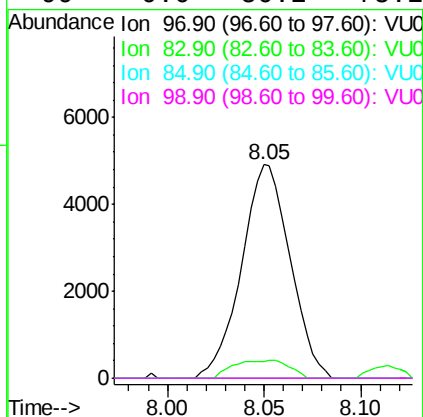
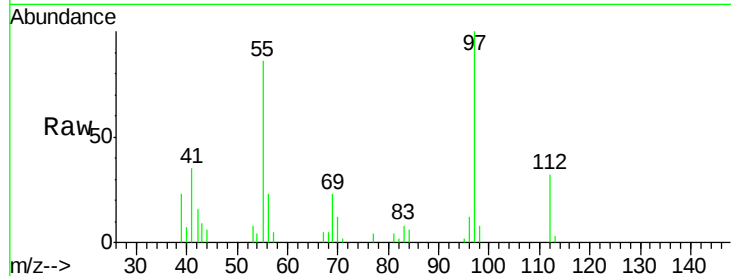




#55
 1,1,2-Trichloroethane
 Concen: 3.218 ug/l
 RT: 8.05 min Scan# 2320
 Delta R.T. -0.02 min
 Lab File: VU025195.D
 Acq: 03 Jul 2018 17:37

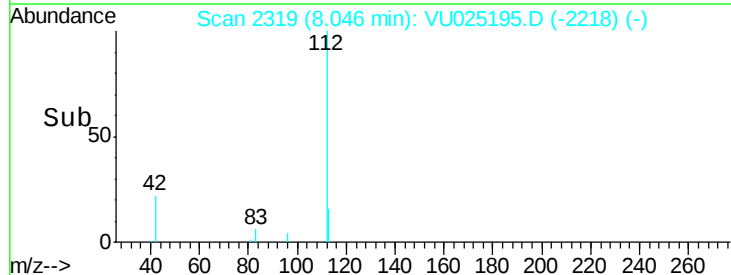
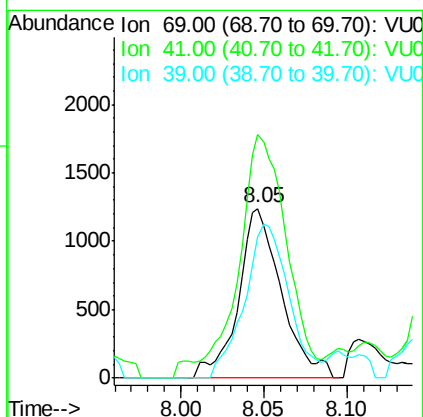
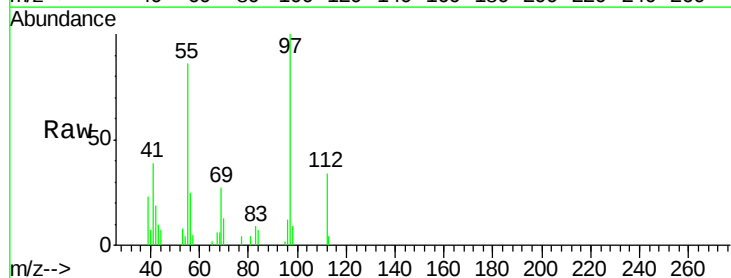
Instrument :
 MSVOA_U
 ClientSampleId :

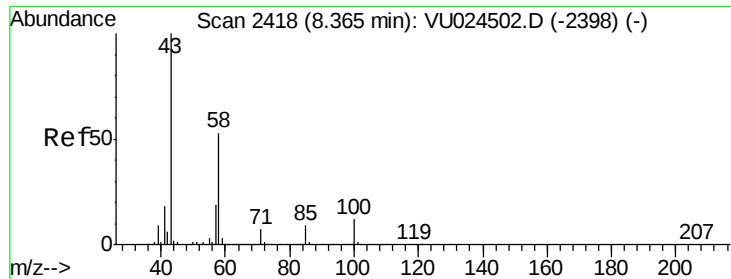
Tot Ion: 97 Resp: 8577
 Ion Ratio Lower Upper
 97 100
 83 8.0 70.5 105.7#
 85 0.0 46.4 69.6#
 99 0.0 50.2 75.2#



#56
 Ethyl methacrylate
 Concen: 0.501 ug/l
 RT: 8.05 min Scan# 2319
 Delta R.T. 0.03 min
 Lab File: VU025195.D
 Acq: 03 Jul 2018 17:37

Tgt Ion: 69 Resp: 2234
 Ion Ratio Lower Upper
 69 100
 41 135.3 54.1 81.1#
 39 93.6 30.3 45.5#

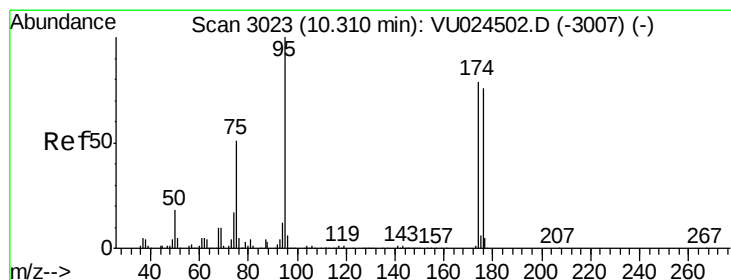
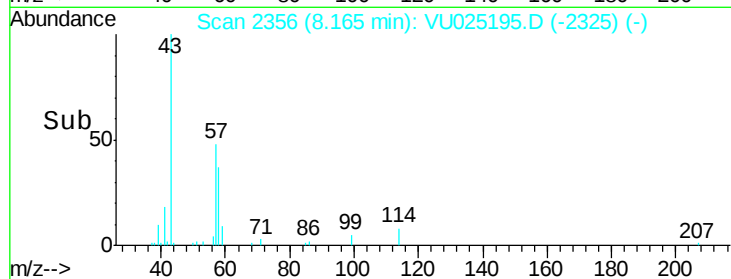
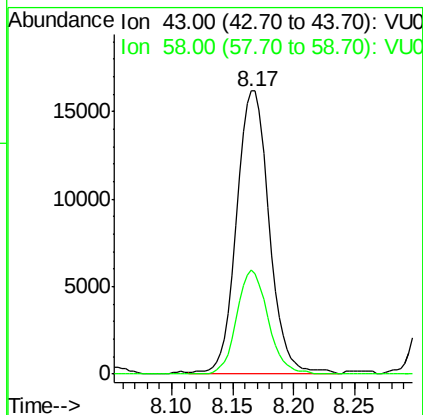
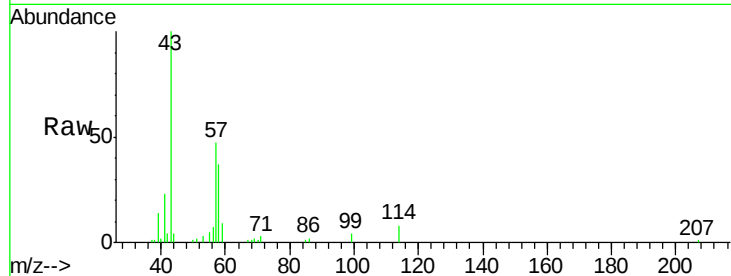




#59
2-Hexanone
Concen: 8.692 ug/l
RT: 8.17 min Scan# 2356
Delta R.T. -0.20 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

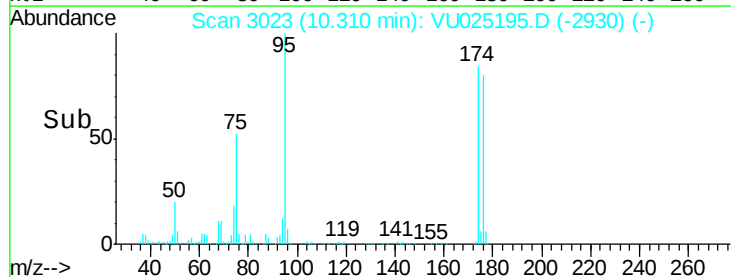
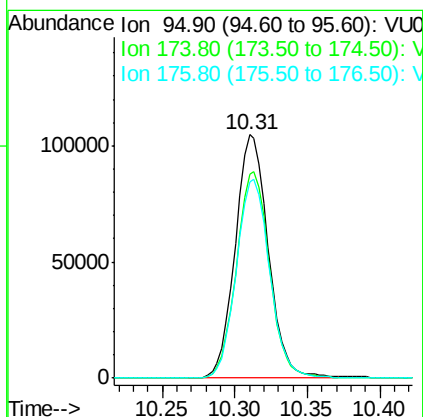
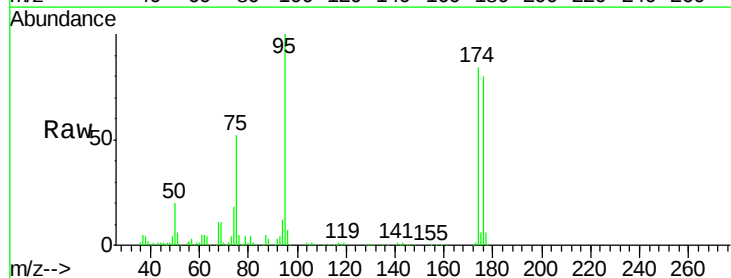
Instrument :
MSVOA_U
ClientSampleId :

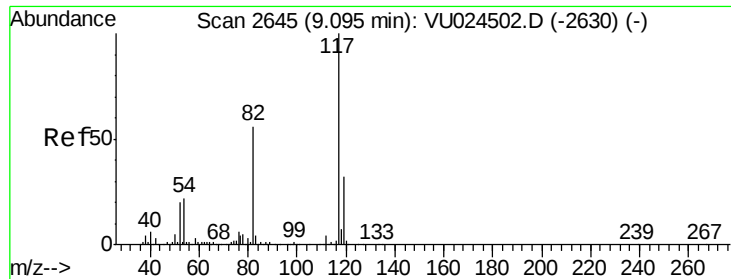
Tot Ion: 43 Resp: 30041
Ion Ratio Lower Upper
43 100
58 35.1 26.4 79.0



#62
4-Bromofluorobenzene
Concen: 45.502 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Tgt Ion: 95 Resp: 166459
Ion Ratio Lower Upper
95 100
174 84.9 0.0 165.8
176 82.4 0.0 159.4

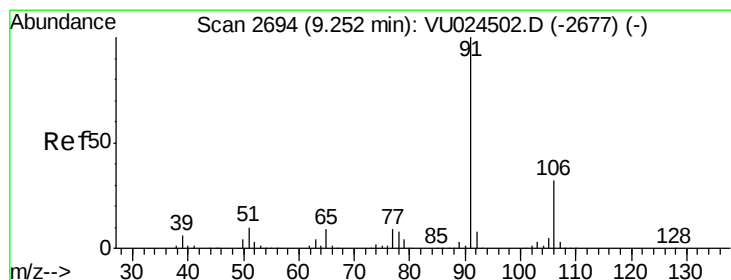
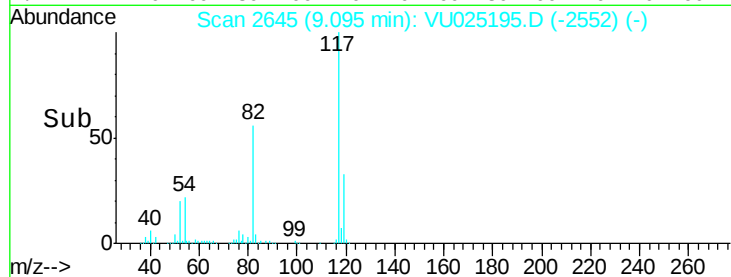
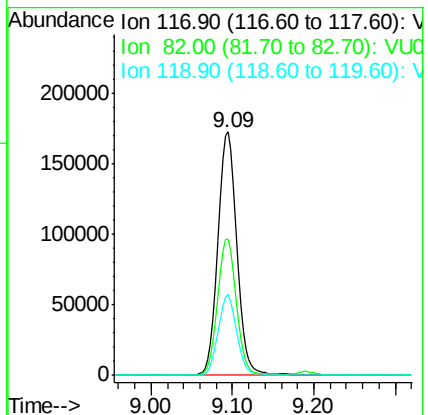
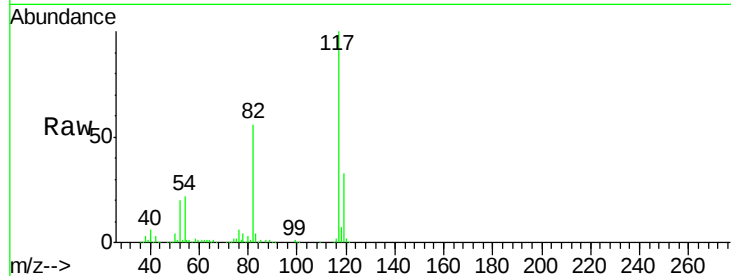




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

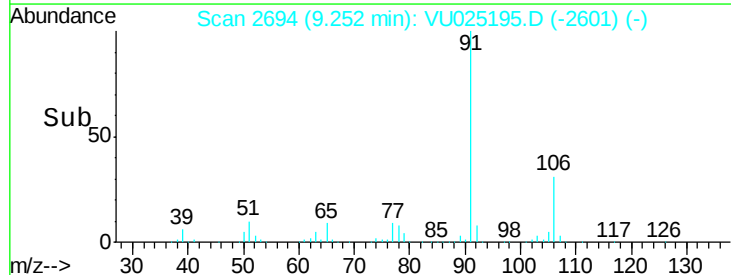
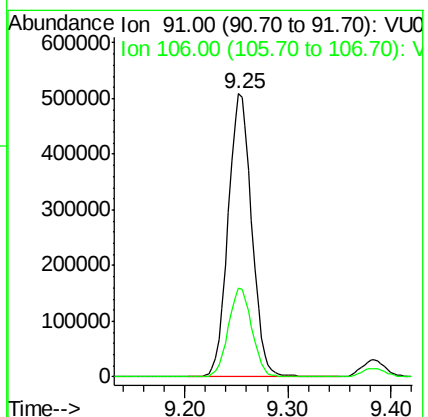
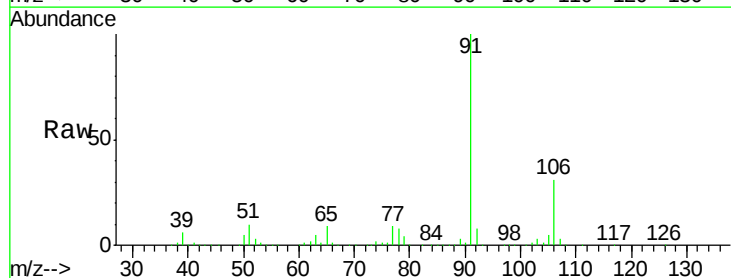
Instrument :
MSVOA_U
ClientSampleId :

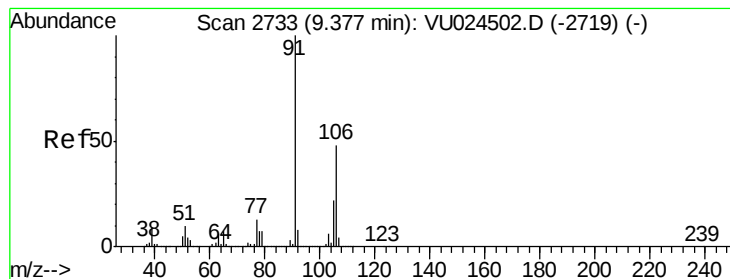
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.3	66.5
119	33.1	25.4	38.2



#67
Ethyl Benzene
Concen: 63.208 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025195.D
Acq: 03 Jul 2018 17:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.2	36.4





#68

m/p-Xylenes

Concen: 5.190 ug/l

RT: 9.38 min Scan# 2735

Delta R.T. 0.01 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

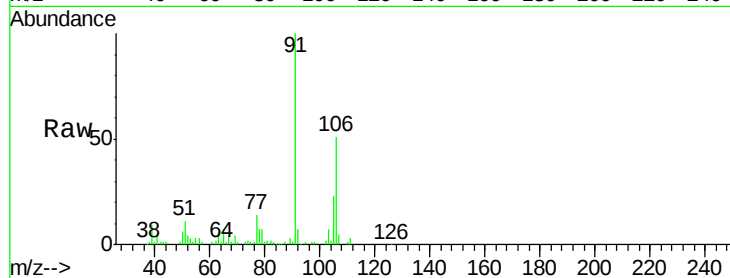
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 25634

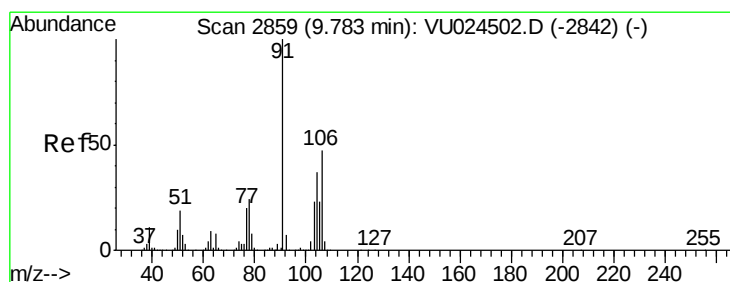
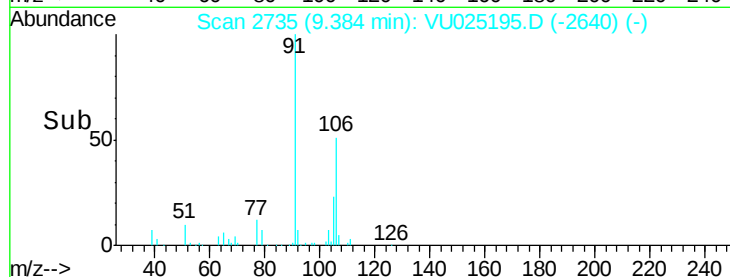
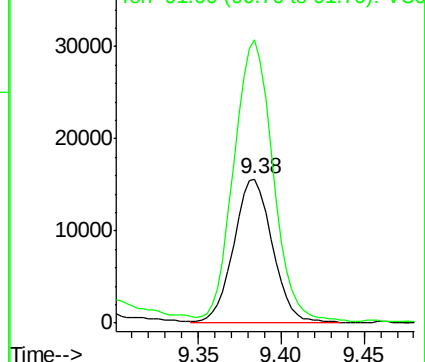
Ion Ratio Lower Upper

106 100

91 196.1 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 0.436 ug/l

RT: 9.79 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VU025195.D

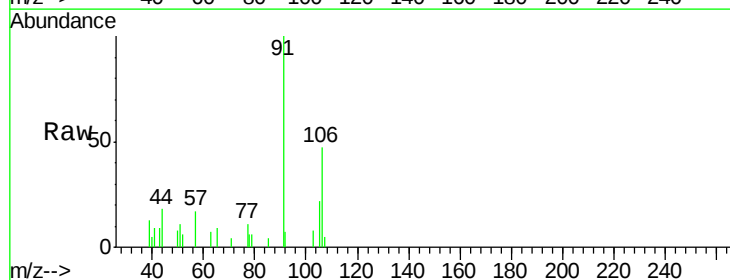
Acq: 03 Jul 2018 17:37

Tgt Ion:106 Resp: 2129

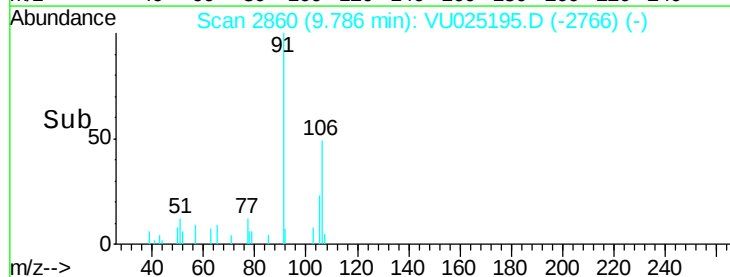
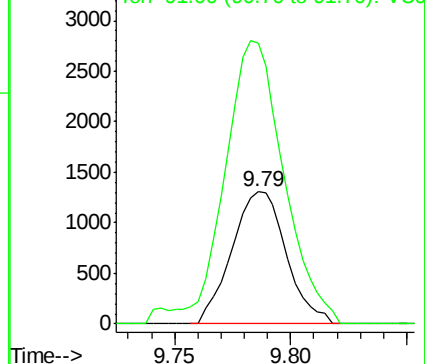
Ion Ratio Lower Upper

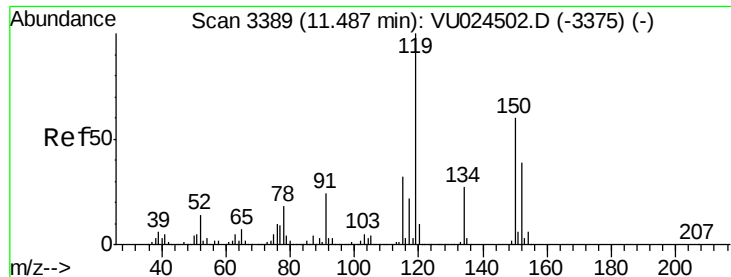
106 100

91 230.3 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

ClientSampleId :

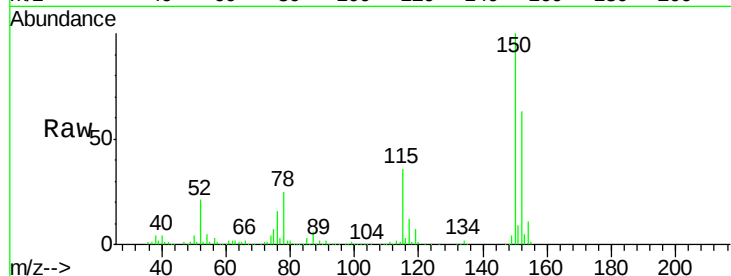
Tot Ion:152 Resp: 154816

Ion Ratio Lower Upper

152 100

115 57.5 43.0 129.0

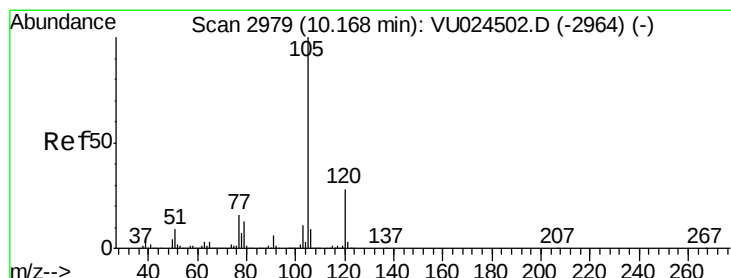
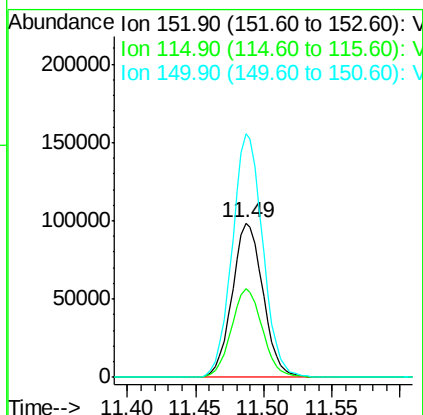
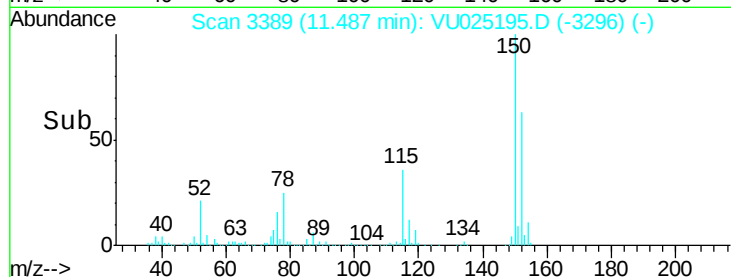
150 156.4 0.0 354.0



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: 12.406 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025195.D

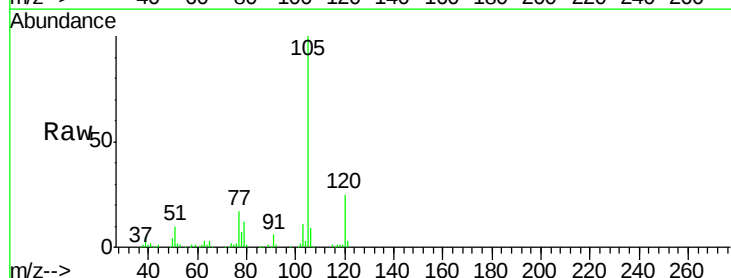
Acq: 03 Jul 2018 17:37

Tgt Ion:105 Resp: 147459

Ion Ratio Lower Upper

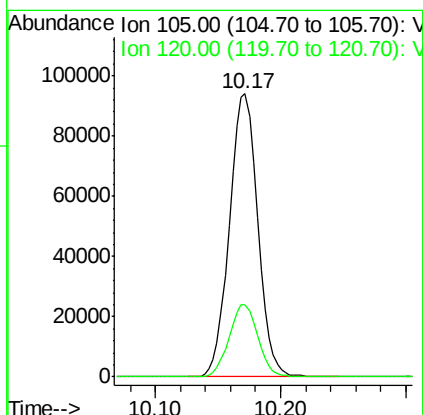
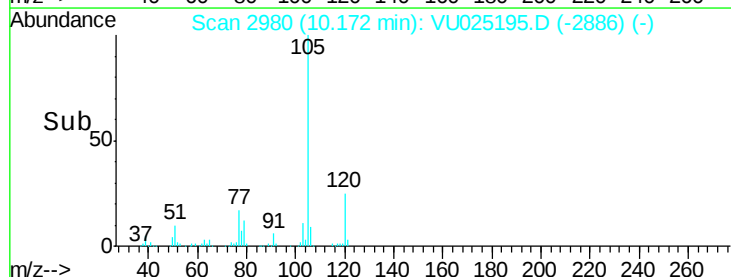
105 100

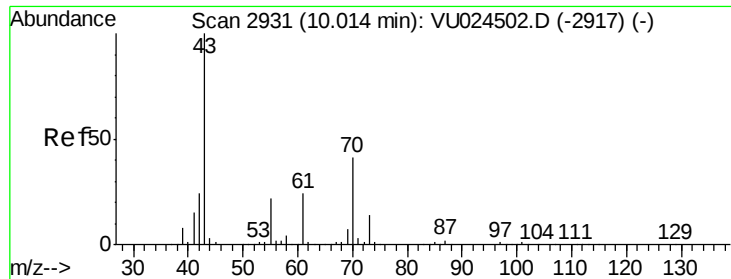
120 26.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.912 ug/l

RT: 10.07 min Scan# 2949

Delta R.T. 0.06 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 5155

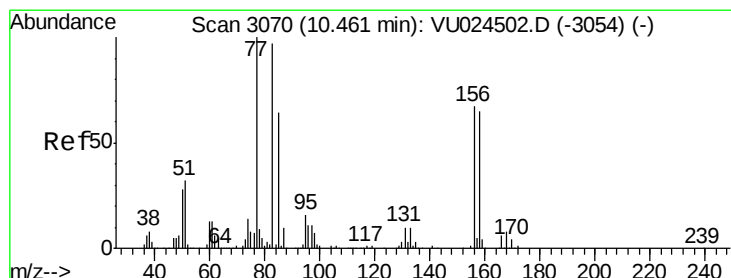
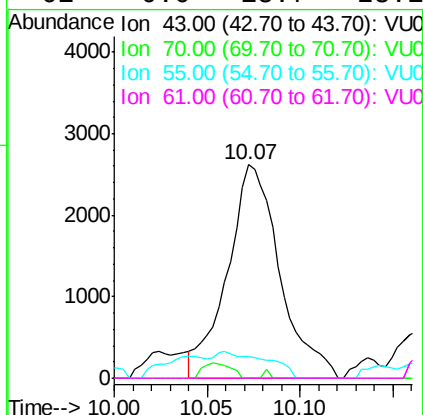
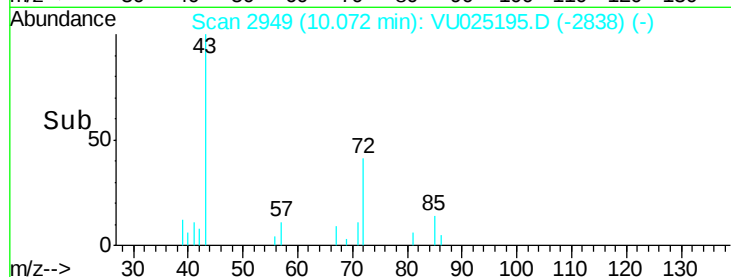
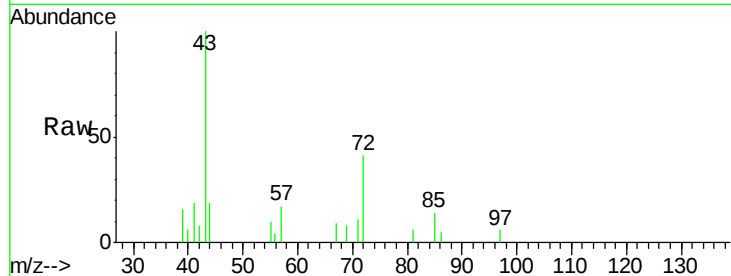
Ion Ratio Lower Upper

43 100

70 3.8 32.2 48.4#

55 12.9 20.5 30.7#

61 0.0 18.7 28.1#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.340 ug/l

RT: 10.40 min Scan# 3051

Delta R.T. -0.06 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

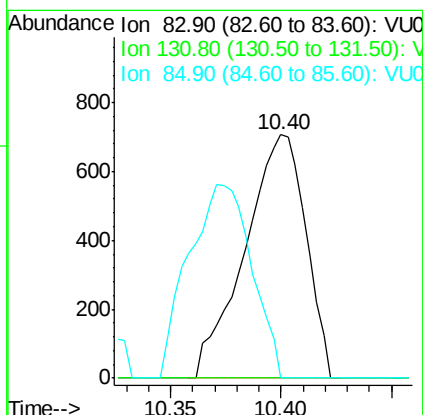
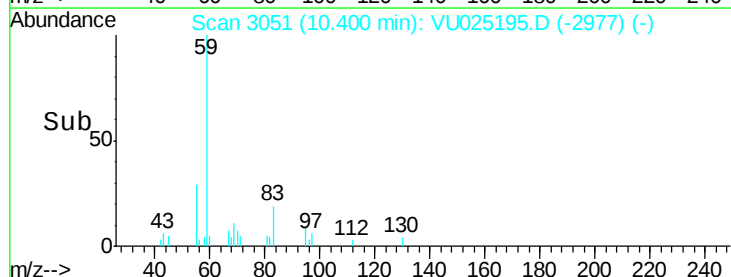
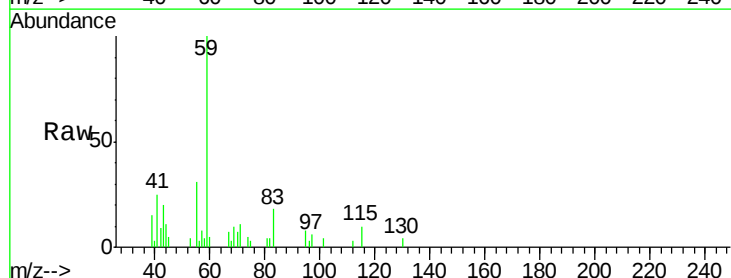
Tgt Ion: 83 Resp: 1353

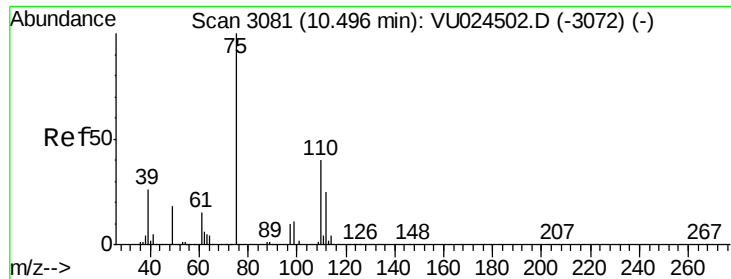
Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 0.0 32.5 97.5#





#76

1,2,3-Trichloropropane

Concen: 25.525 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

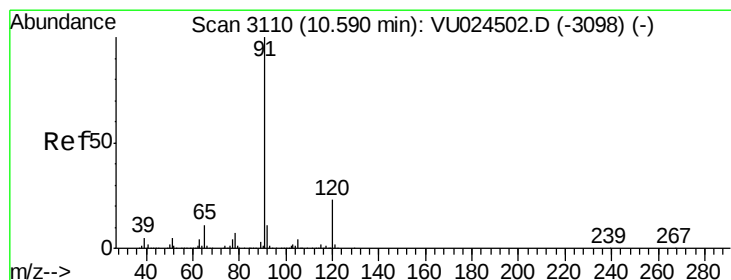
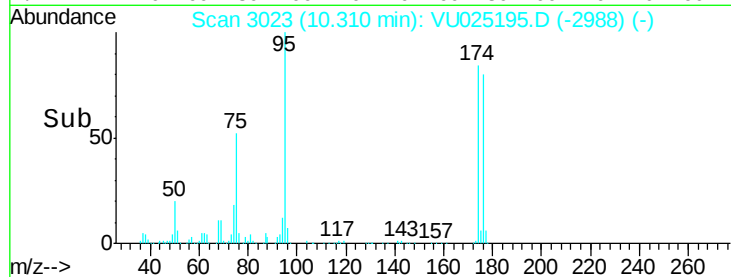
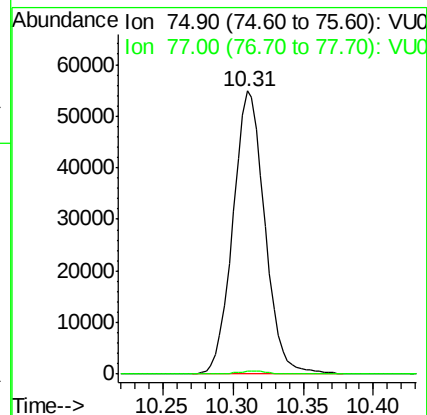
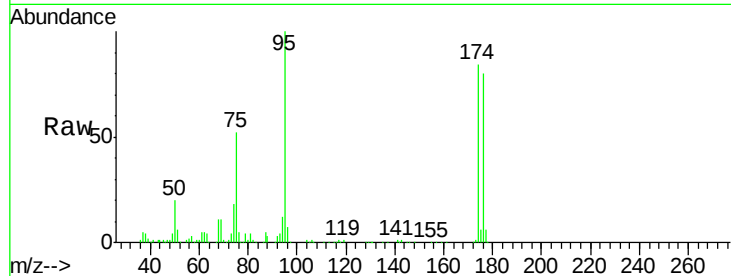
ClientSampleId :

Tot Ion: 75 Resp: 87000

Ion Ratio Lower Upper

75 100

77 1.1 20.9 62.7#



#78

n-propylbenzene

Concen: 11.617 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025195.D

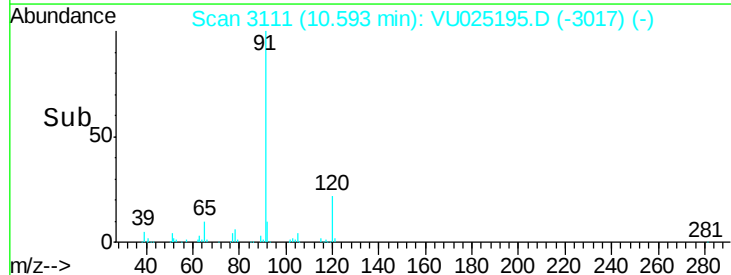
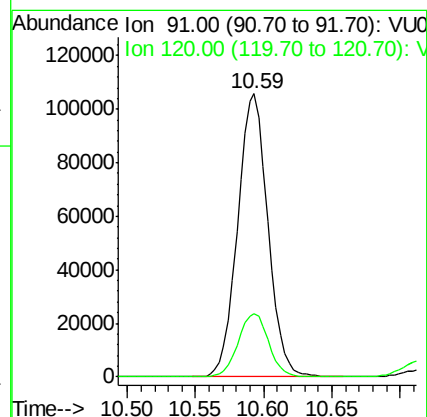
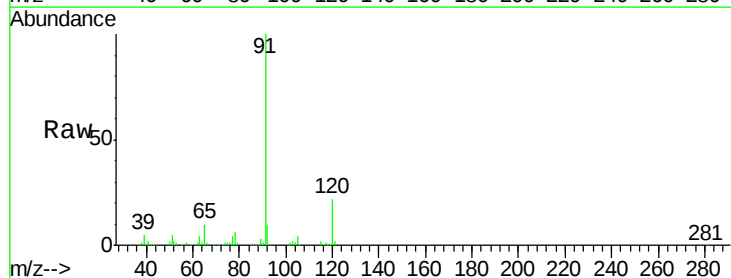
Acq: 03 Jul 2018 17:37

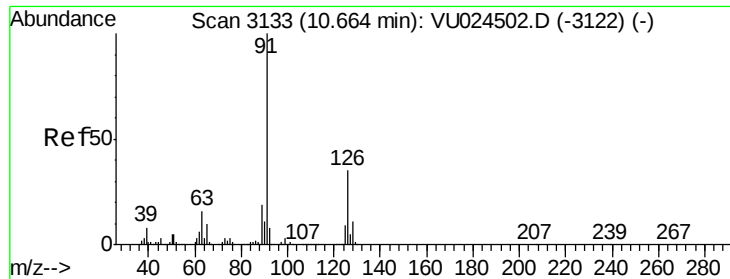
Tgt Ion: 91 Resp: 162659

Ion Ratio Lower Upper

91 100

120 22.5 11.2 33.5





#79

2-Chlorotoluene

Concen: 19.699 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. -0.07 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

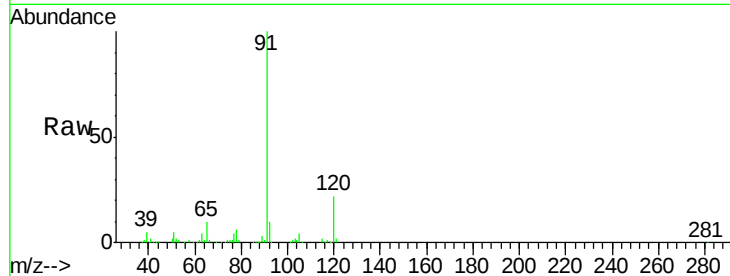
ClientSampleId :

Tot Ion: 91 Resp: 162659

Ion Ratio Lower Upper

91 100

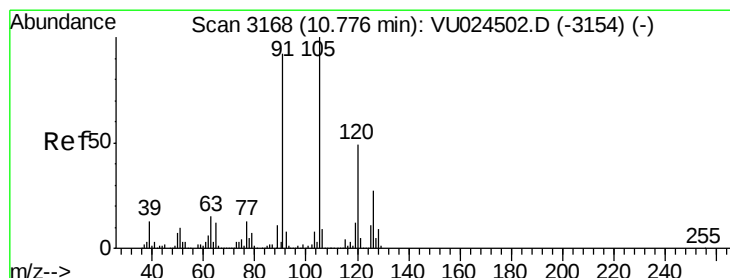
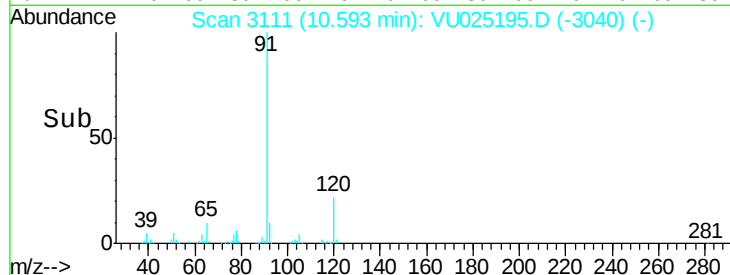
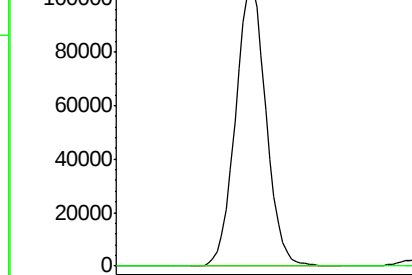
126 0.0 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU024502.D (-3122) (-)

10.59



#80

1,3,5-Trimethylbenzene

Concen: 2.040 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025195.D

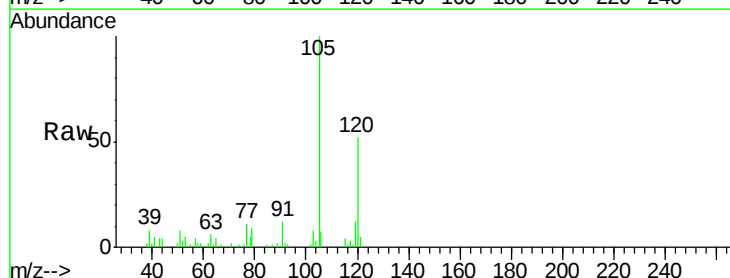
Acq: 03 Jul 2018 17:37

Tgt Ion: 105 Resp: 21016

Ion Ratio Lower Upper

105 100

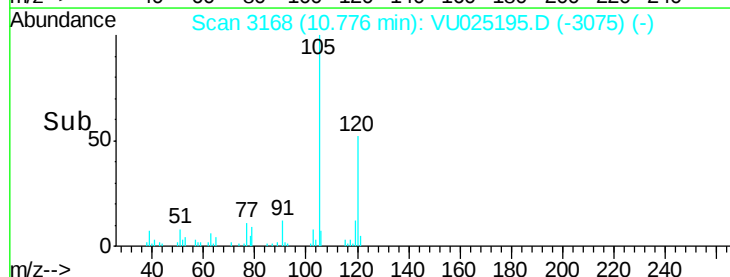
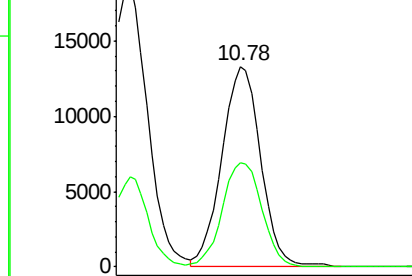
120 52.8 24.1 72.2

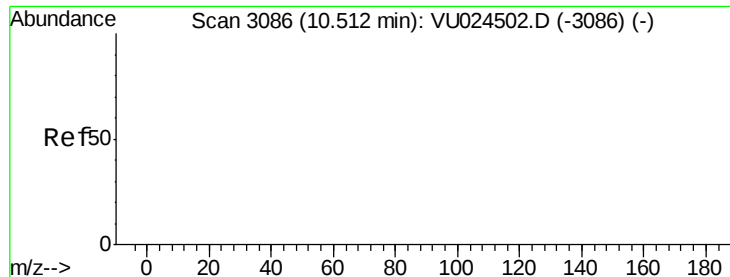


Abundance Ion 105.00 (104.70 to 105.70): VU024502.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU024502.D (-3154) (-)

10.78





#81

trans-1,4-Dichloro-2-butene

Concen: 59.074 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

ClientSampleId :

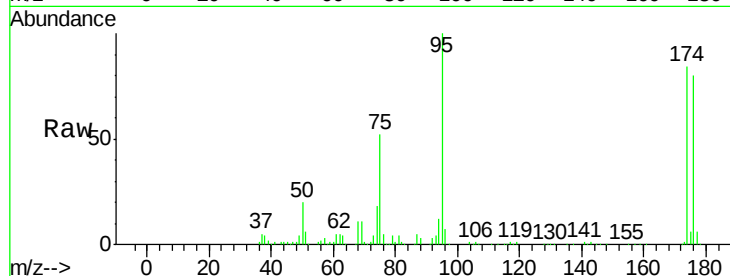
Tot Ion: 75 Resp: 87000

Ion Ratio Lower Upper

75 100

53 0.4 0.0 0.0#

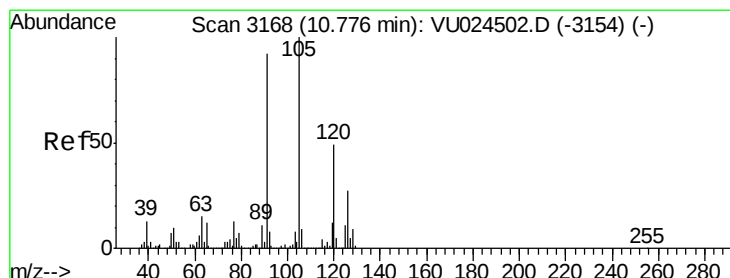
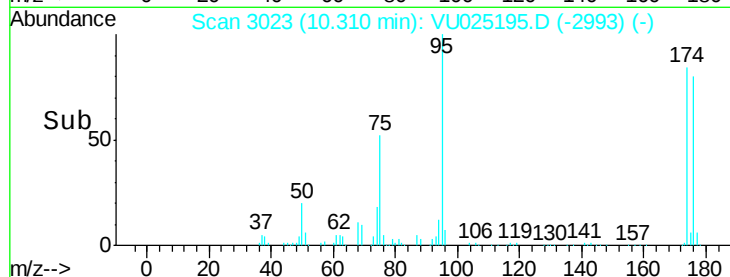
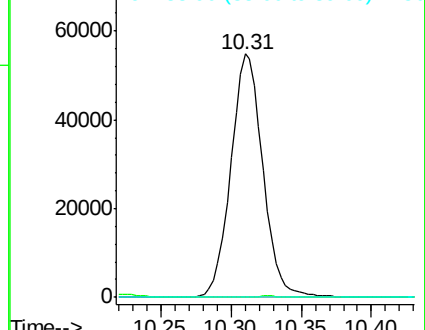
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 16.925 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. -0.18 min

Lab File: VU025195.D

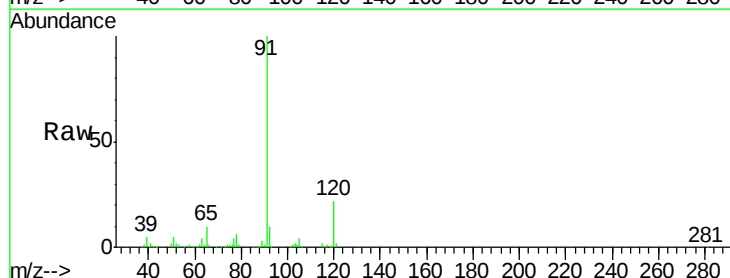
Acq: 03 Jul 2018 17:37

Tgt Ion: 91 Resp: 162659

Ion Ratio Lower Upper

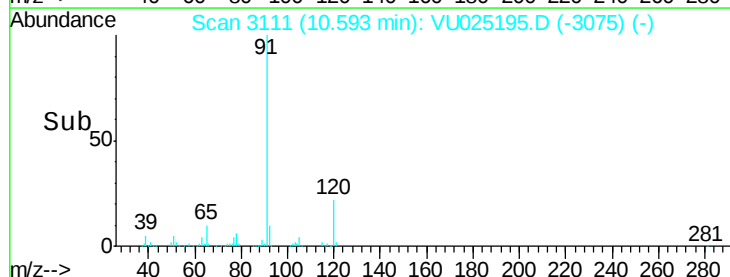
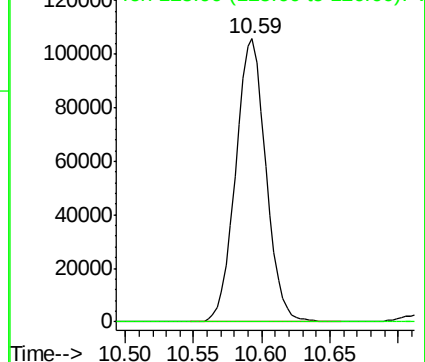
91 100

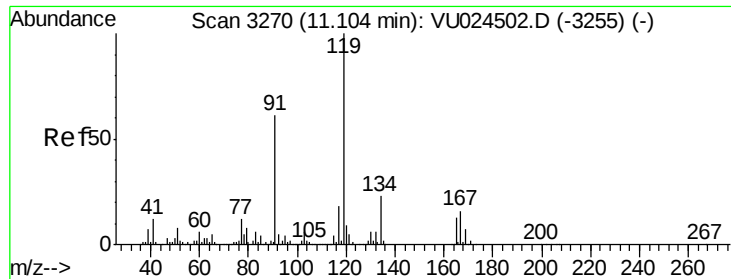
126 0.0 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.387 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

ClientSampleId :

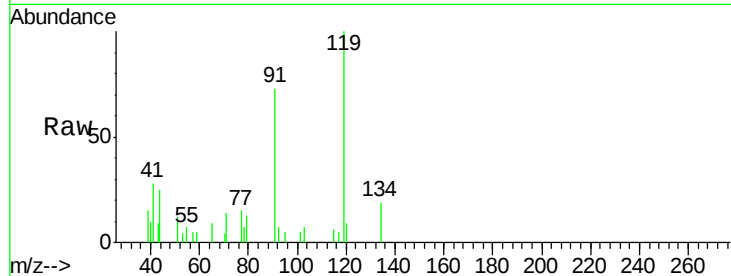
Tot Ion:119 Resp: 3832

Ion Ratio Lower Upper

119 100

91 72.4 29.7 89.1

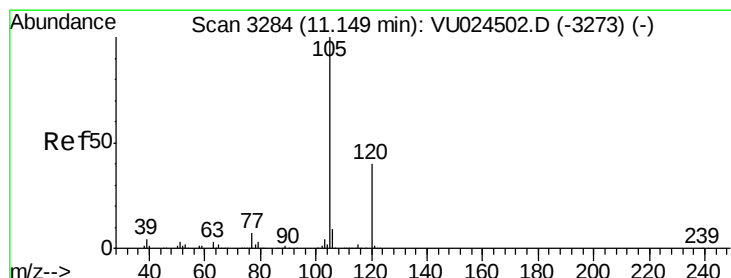
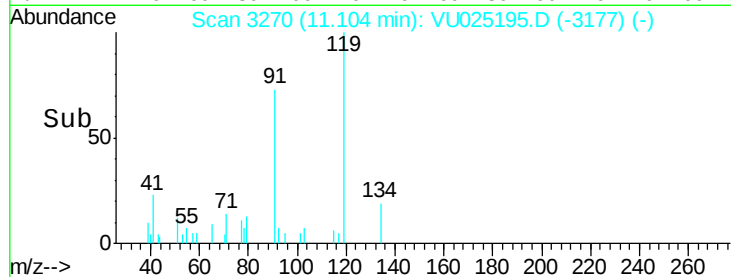
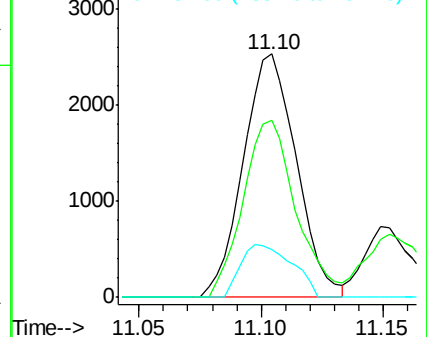
134 21.0 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.858 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025195.D

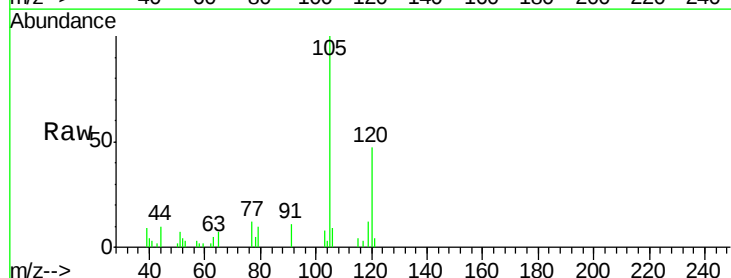
Acq: 03 Jul 2018 17:37

Tgt Ion:105 Resp: 9011

Ion Ratio Lower Upper

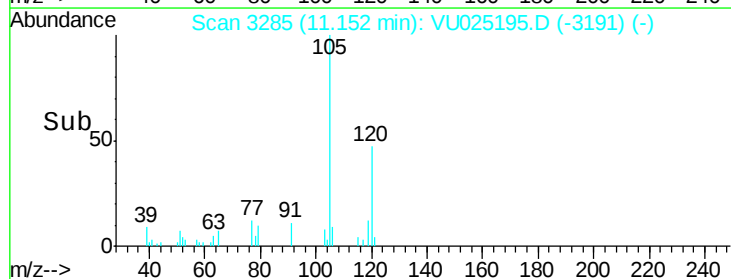
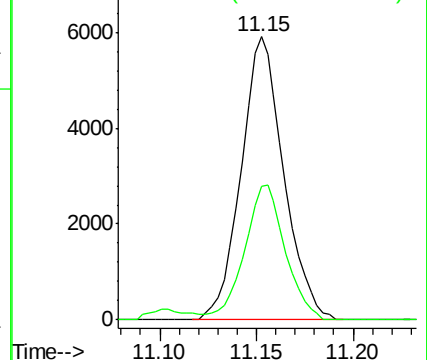
105 100

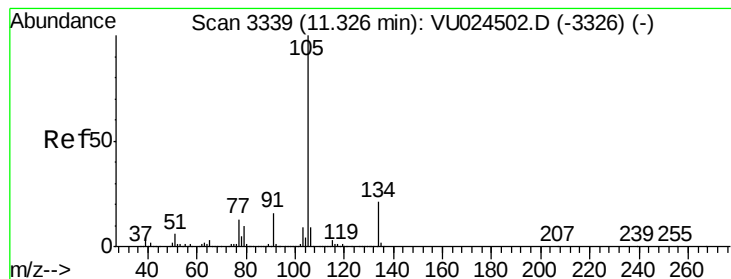
120 45.4 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.535 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

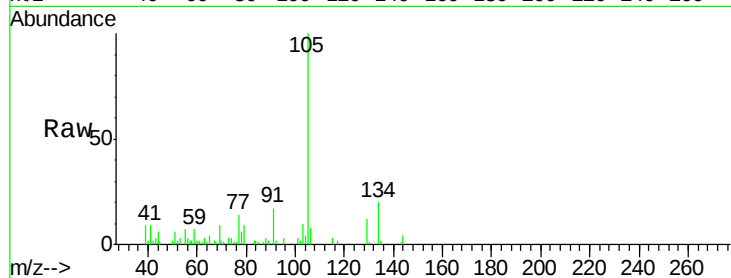
ClientSampleId :

Tot Ion:105 Resp: 19046

Ion Ratio Lower Upper

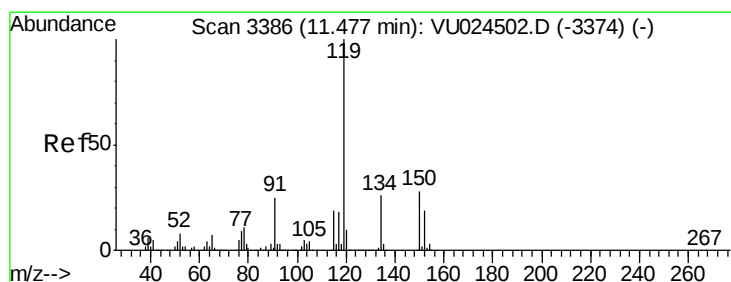
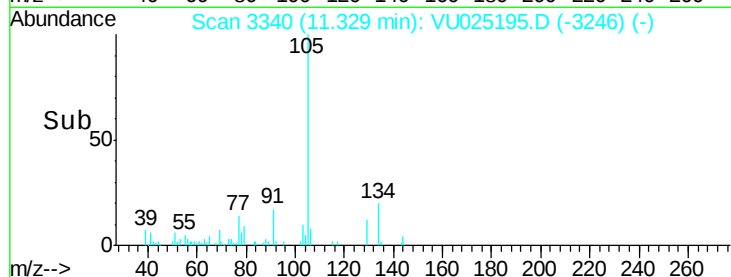
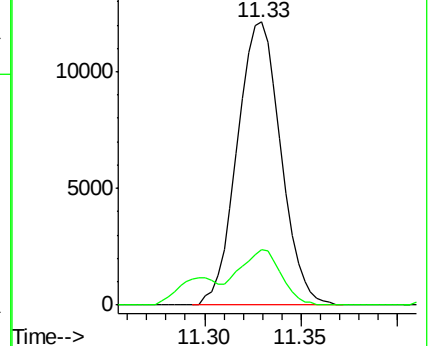
105 100

134 18.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.694 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

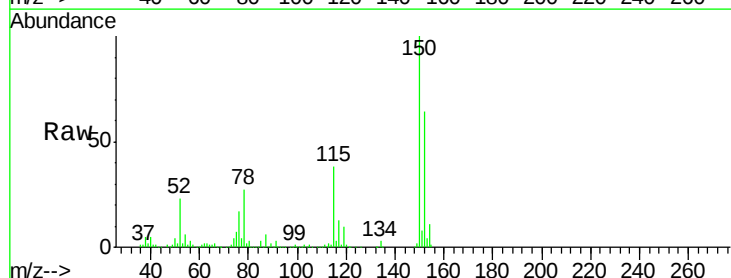
Tgt Ion:119 Resp: 18825

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.6

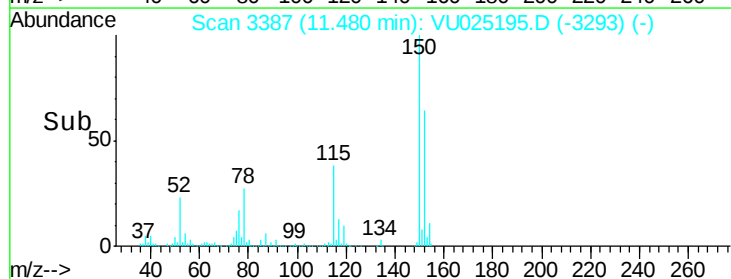
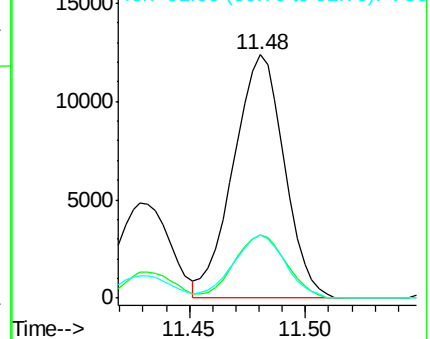
91 26.4 12.0 36.1

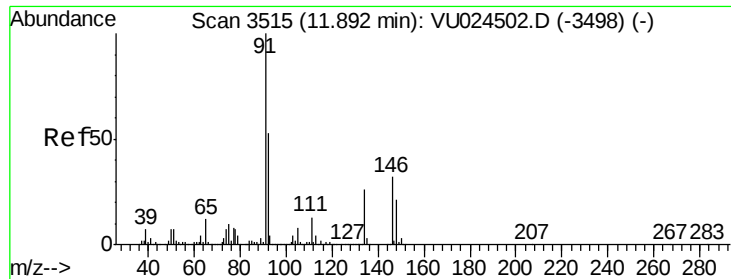


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#89

n-Butylbenzene

Concen: 0.861 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.01 min

Lab File: VU025195.D

Acq: 03 Jul 2018 17:37

Instrument :

MSVOA_U

ClientSampleId :

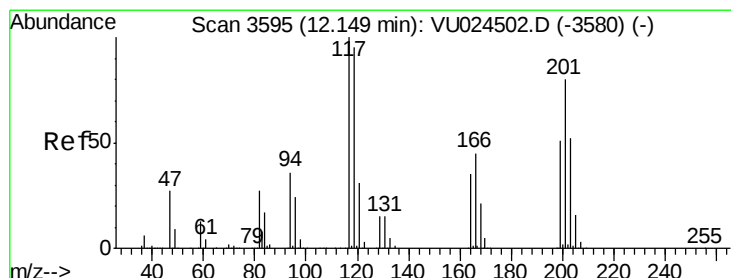
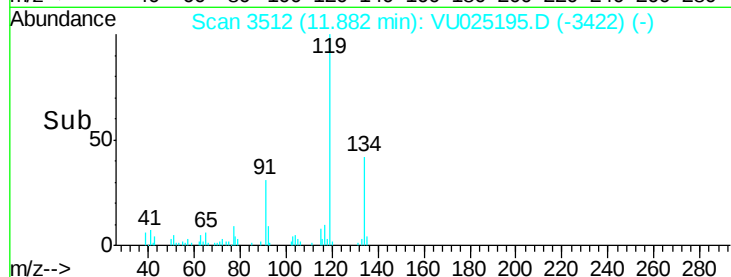
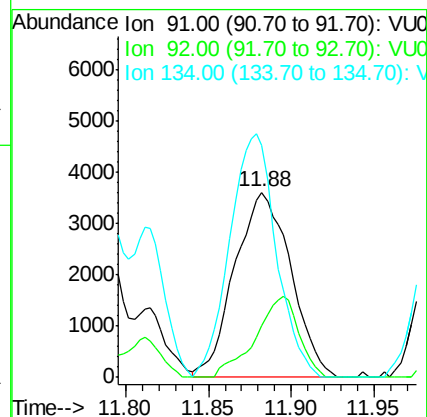
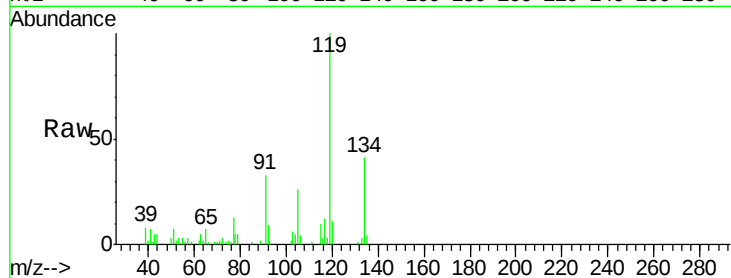
Tot Ion: 91 Resp: 8493

Ion Ratio Lower Upper

91 100

92 33.7 25.6 76.8

134 108.8 12.3 36.8#



#90

Hexachloroethane

Concen: 5.249 ug/l

RT: 12.29 min Scan# 3639

Delta R.T. 0.14 min

Lab File: VU025195.D

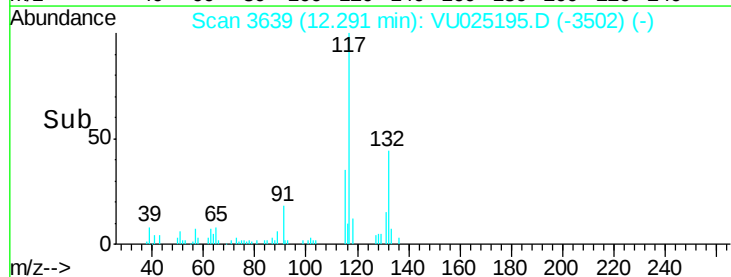
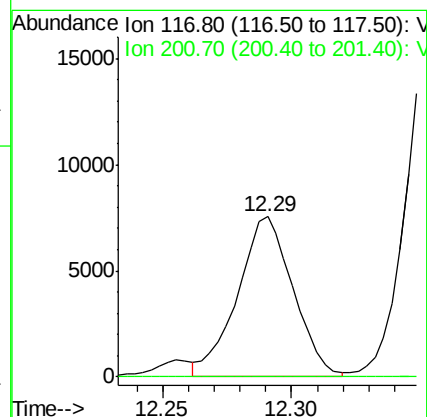
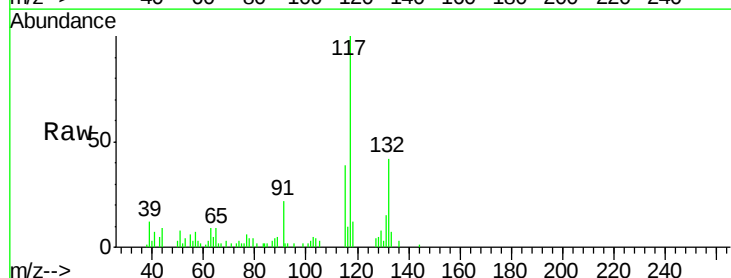
Acq: 03 Jul 2018 17:37

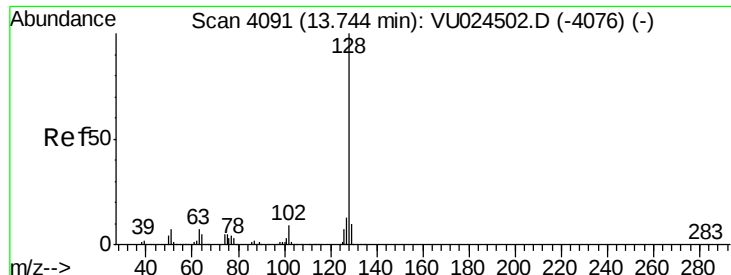
Tgt Ion: 117 Resp: 11376

Ion Ratio Lower Upper

117 100

201 0.0 41.1 123.3#





#95
 Naphthalene
 Concen: 15.734 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. 0.00 min
 Lab File: VU025195.D
 Acq: 03 Jul 2018 17:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	11.1	8.6	12.8

