

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026213.D
 Acq On : 20 Aug 2018 17:10
 Operator : MD/SY
 Sample : J4045-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 21 07:42:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.75	96	32011	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	11709	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	13654	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
Target Compounds					Ovalue	
3) Chloromethane	1.33	50	339658	31.957	ug/l	99
5) Bromomethane	1.63	94	105220	18.009	ug/l	98
7) Trichlorofluoromethane	1.89	101	511919	32.600	ug/l	99
10) Iodomethane	2.41	142	27827	2.565	ug/l	92
12) Acrylonitrile	3.00	53	5885	3.492	ug/l #	29
13) Acetone	2.33	43	1573	Below Cal	#	73
17) 1,1-Dichloroethane	3.45	63	266139	16.910	ug/l	98
21) 2,2-Dichloropropane	4.23	77	246510	15.237	ug/l	94
22) cis-1,2-Dichloroethene	4.23	96	2828	0.271	ug/l #	1
24) tert-Butyl Alcohol	2.84	59	1015	1.742	ug/l #	87
25) Methyl tert-Butyl Ether	3.00	73	515042	26.574	ug/l	98
26) Bromochloromethane	4.55	128	48595	10.411	ug/l	85
29) 1,1-Dichloropropene	5.14	75	68313	5.353	ug/l	97
37) Trichloroethene	6.18	130	2226	0.214	ug/l	94
43) Dibromomethane	6.56	93	92615	18.245	ug/l	96
46) t-1,4-Dichloro-2-butene	10.50	75	17131	6.925	ug/l #	11
50) t-1,3-Dichloropropene	7.88	75	110690	9.902	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	109321	8.433	ug/l	99
53) 1,3-Dichloropropane	8.25	76	112525	9.839	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	91752	9.431	ug/l	99
61) Pentachloroethane	11.10	117	10053	1.211	ug/l #	19
62) Hexachloroethane	12.15	117	2767	0.334	ug/l	95
69) Isopropylbenzene	10.17	105	375213	9.632	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	146304	16.940	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	17131	2.771	ug/l #	95
72) Bromobenzene	10.45	156	75728	6.947	ug/l	94
73) n-propylbenzene	10.59	120	180222	15.823	ug/l	97
74) 2-Chlorotoluene	10.66	126	220854	21.490	ug/l	90
75) 1,3,5-Trimethylbenzene	10.77	105	903142	26.087	ug/l	99
76) 4-Chlorotoluene	10.77	126	153471	14.529	ug/l	93
77) tert-Butylbenzene	11.10	119	135405	3.926	ug/l	93
78) 1,2,4-Trimethylbenzene	11.15	105	350820	9.794	ug/l	99
79) sec-Butylbenzene	11.33	105	404636	8.957	ug/l	98
81) p-Isopropyltoluene	11.48	119	134193	3.511	ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	498241	21.702	ug/l	100
83) 1,4-Dichlorobenzene	11.42	146	498241	21.736	ug/l	99
84) n-Butylbenzene	11.89	91	285241	7.712	ug/l	99
88) Hexachlorobutadiene	13.70	225	365136	40.253	ug/l	99
89) Naphthalene	13.74	128	1145710	49.050	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	579217	41.471	ug/l	99
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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Aug 20 13:35:41 2018
Response via : Initial Calibration

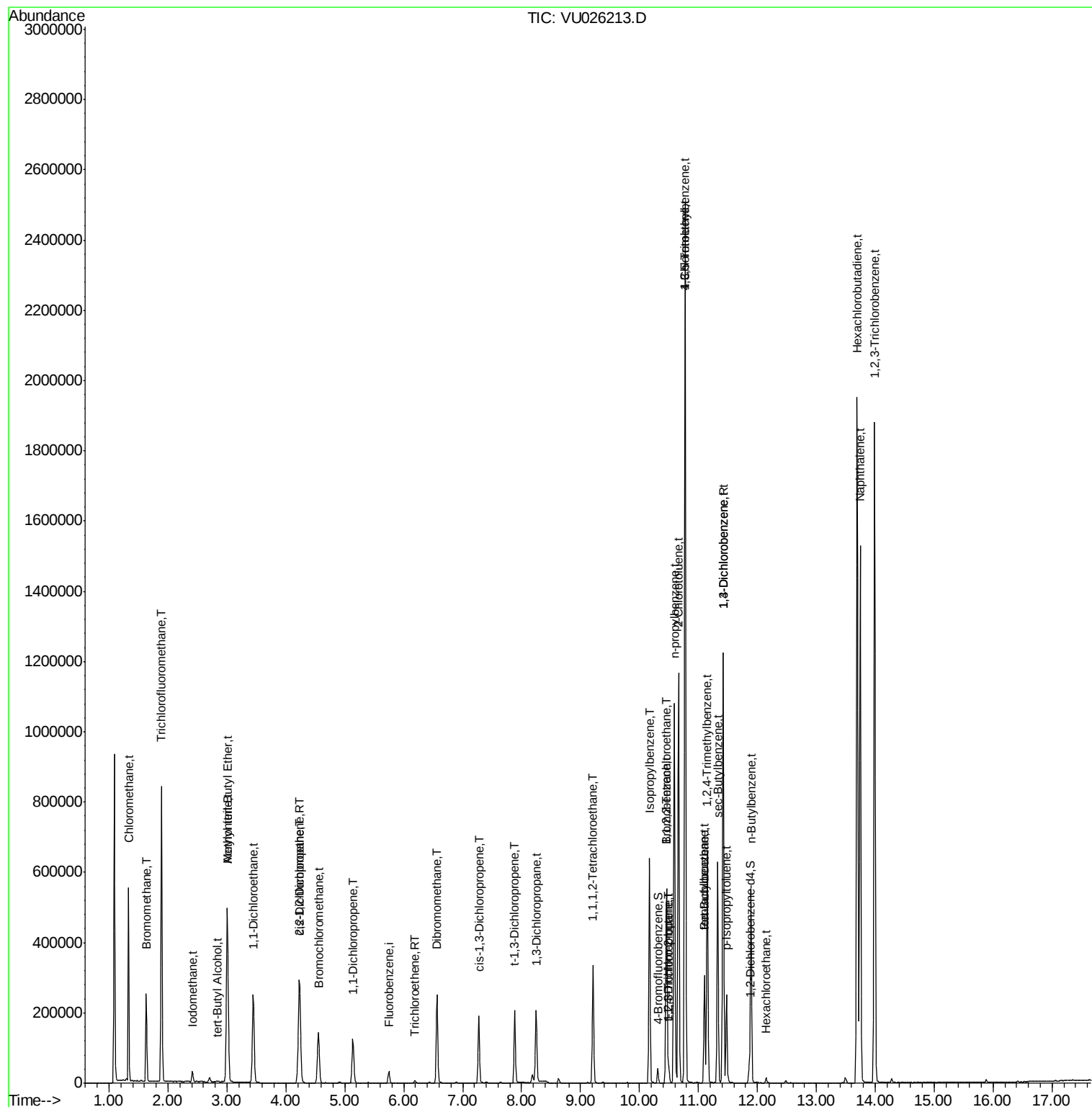
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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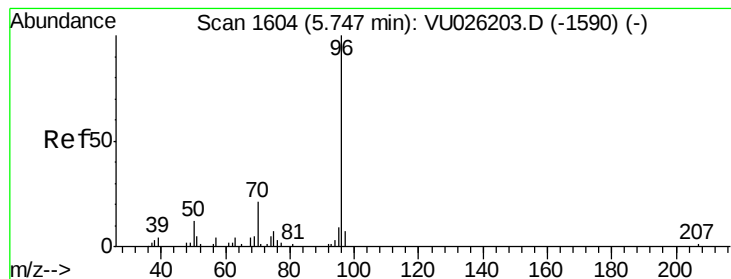
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 32011

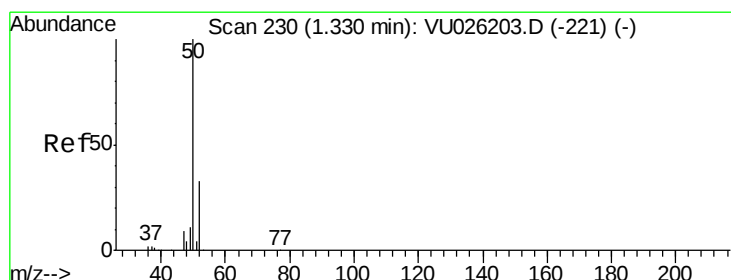
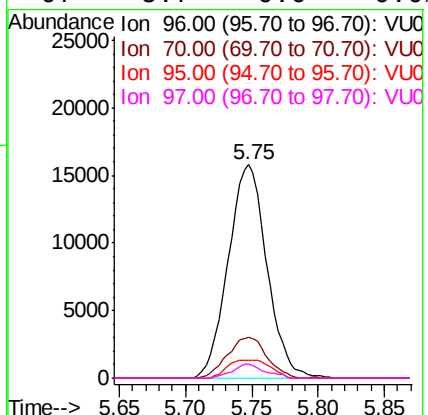
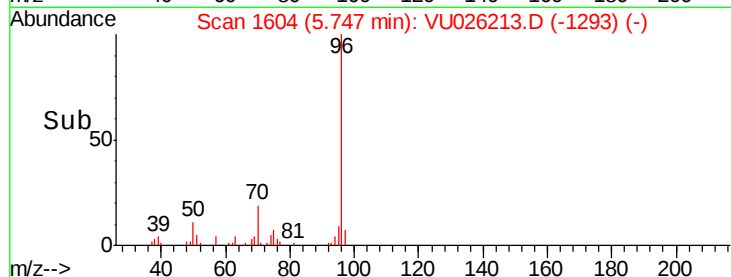
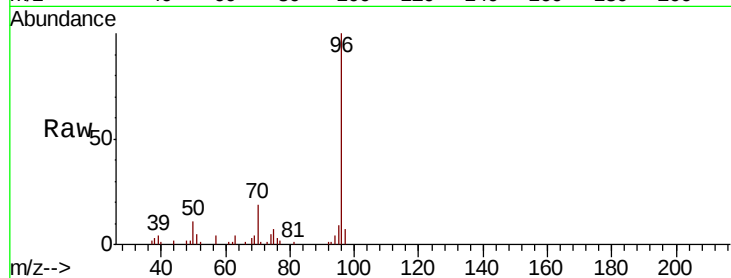
Ion Ratio Lower Upper

96 100

70 19.5 16.2 24.4

95 9.4 6.9 10.3

97 5.7 0.0 0.0#



#3

Chloromethane

Concen: 31.957 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026213.D

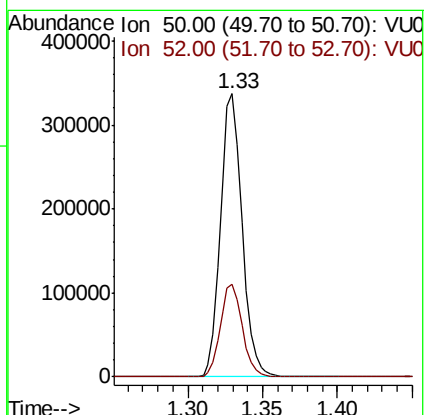
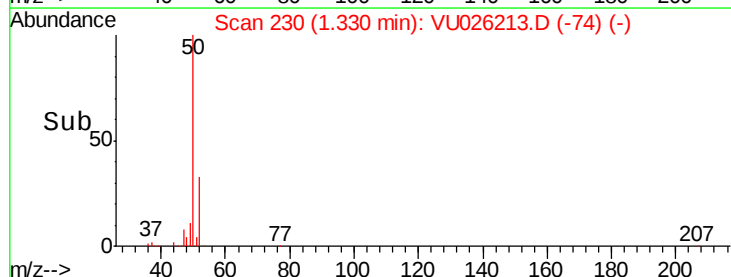
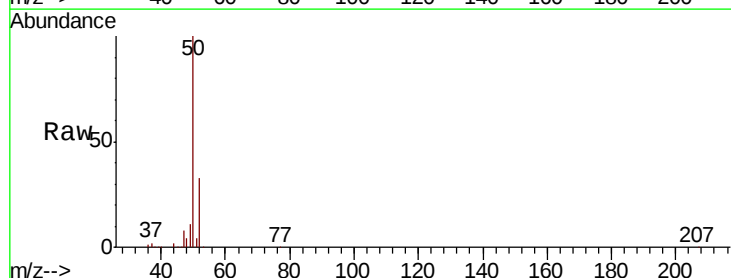
Acq: 20 Aug 2018 17:10

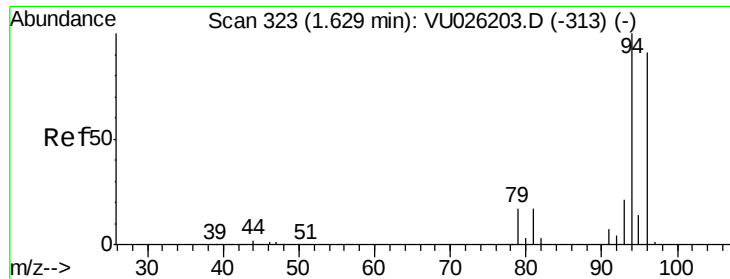
Tgt Ion: 50 Resp: 339658

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0





#5

Bromomethane

Concen: 18.009 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

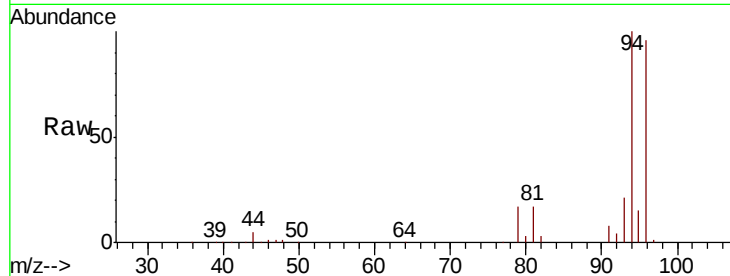
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 105220

Ion Ratio Lower Upper

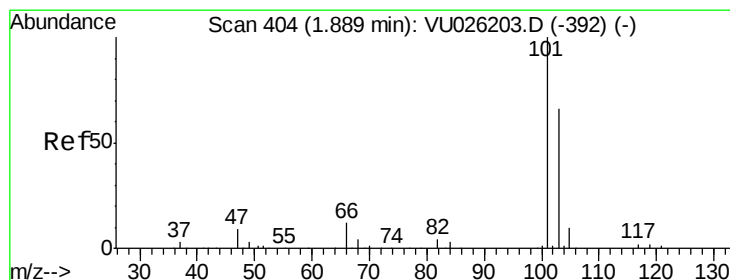
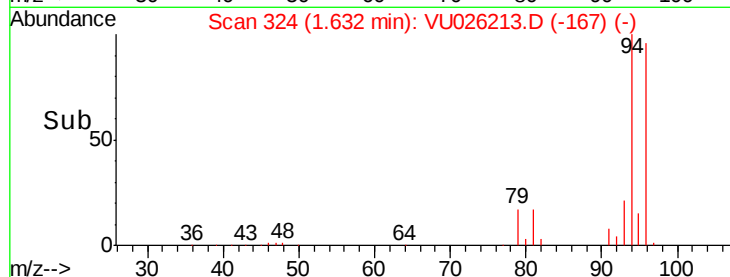
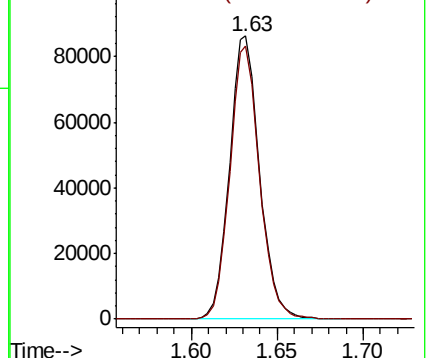
94 100

96 96.3 75.1 112.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#7

Trichlorofluoromethane

Concen: 32.600 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU026213.D

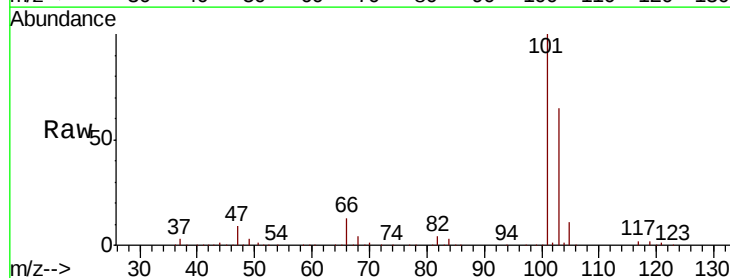
Acq: 20 Aug 2018 17:10

Tgt Ion:101 Resp: 511919

Ion Ratio Lower Upper

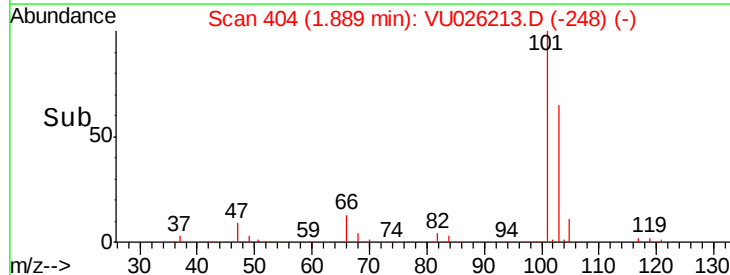
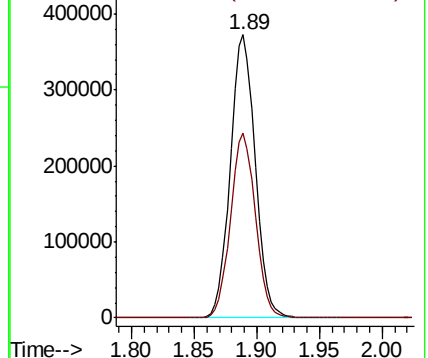
101 100

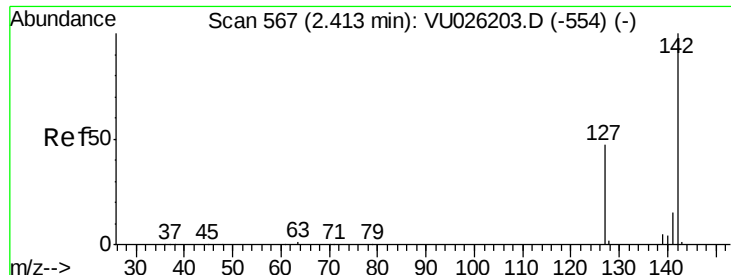
103 65.1 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

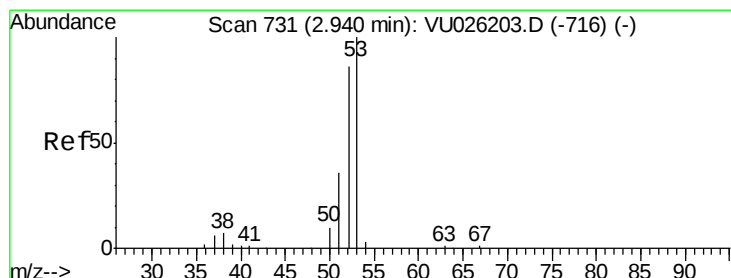
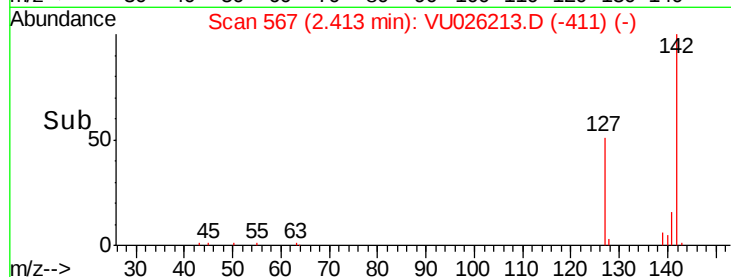
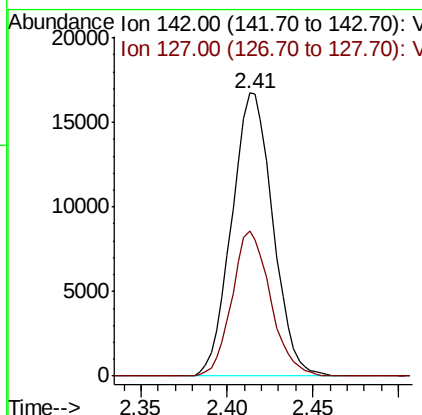
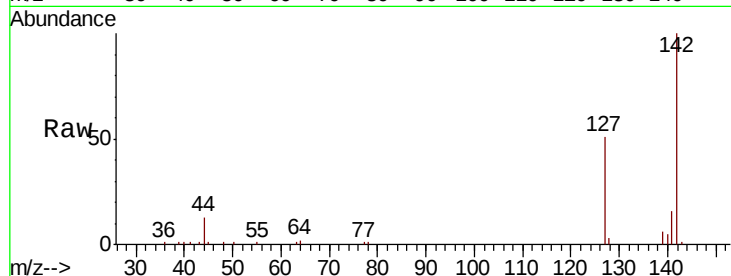




#10
 Iodomethane
 Concen: 2.565 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU026213.D
 Acq: 20 Aug 2018 17:10

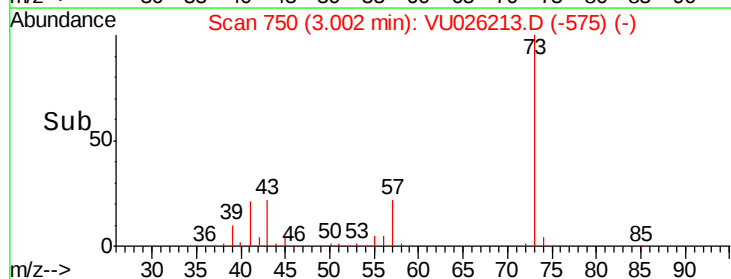
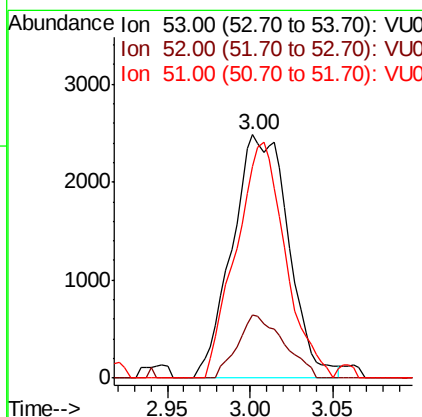
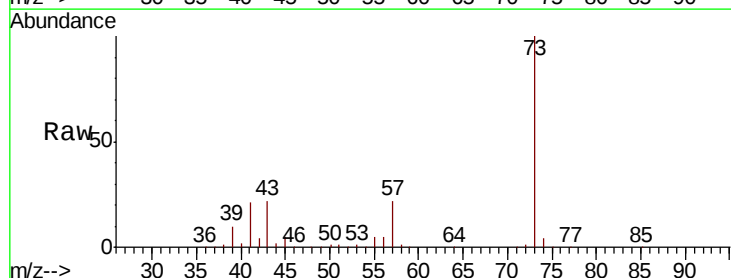
Instrument :
 MSVOA_U
 ClientSampleId :

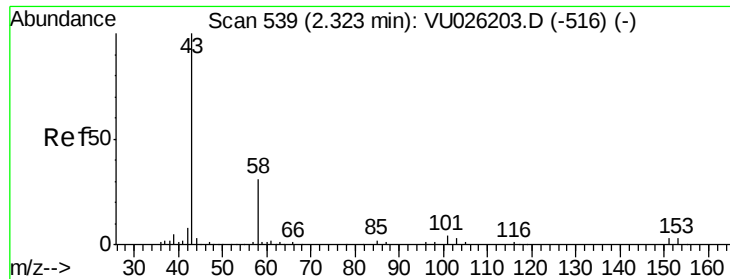
Tot Ion:142 Resp: 27827
 Ion Ratio Lower Upper
 142 100
 127 47.9 34.5 51.7



#12
 Acrylonitrile
 Concen: 3.492 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.06 min
 Lab File: VU026213.D
 Acq: 20 Aug 2018 17:10

Tgt Ion: 53 Resp: 5885
 Ion Ratio Lower Upper
 53 100
 52 21.0 65.1 97.7#
 51 84.4 30.2 45.4#





#13

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 541

Delta R.T. 0.01 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

Instrument :

MSVOA_U

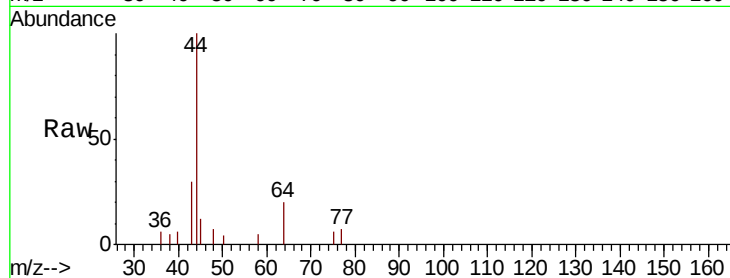
ClientSampleId :

Tot Ion: 43 Resp: 1573

Ion Ratio Lower Upper

43 100

58 17.5 26.0 39.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.33

800

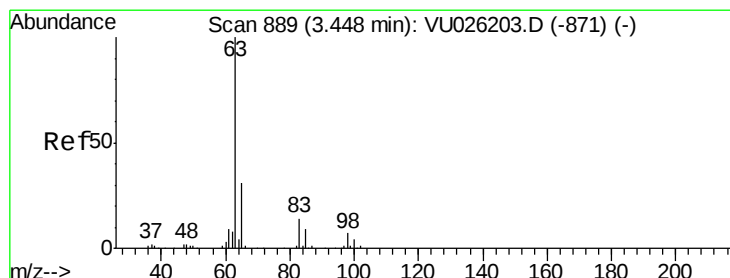
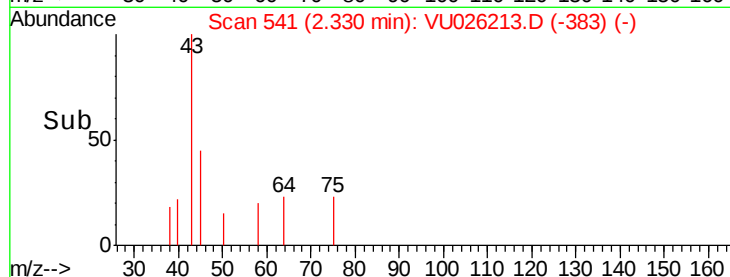
600

400

200

0

Time-->



#17

1,1-Dichloroethane

Concen: 16.910 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

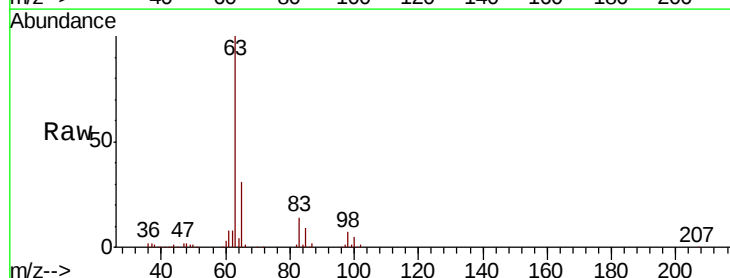
Tgt Ion: 63 Resp: 266139

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.8

100 4.5 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

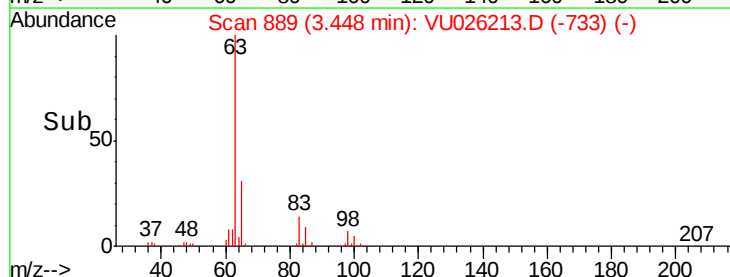
150000

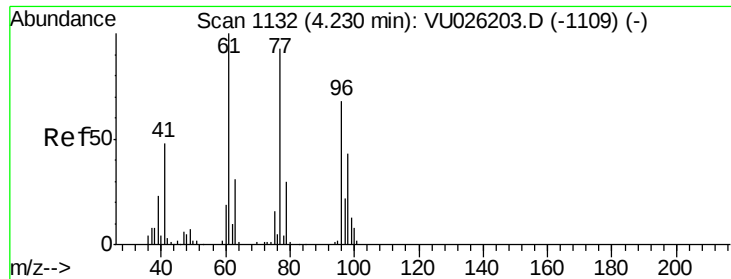
100000

50000

0

Time-->





#21

2,2-Dichloropropane

Concen: 15.237 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

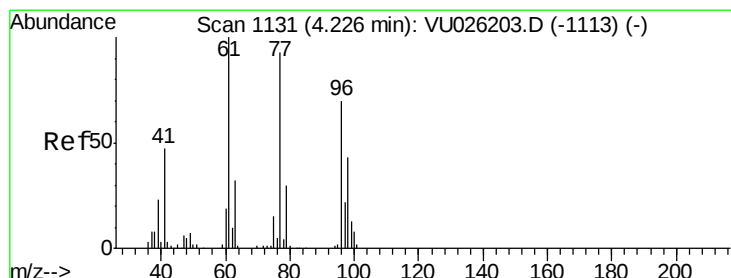
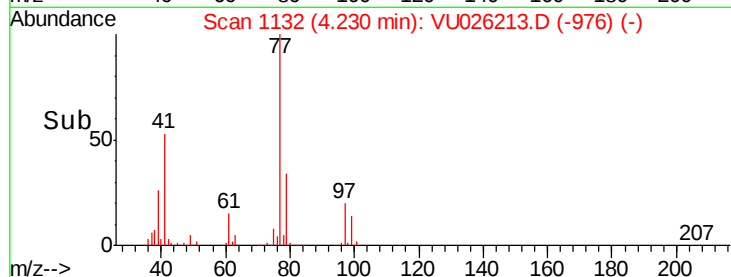
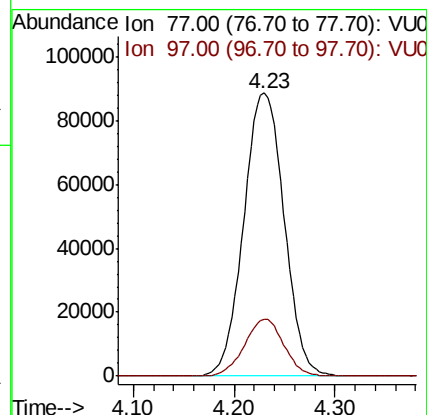
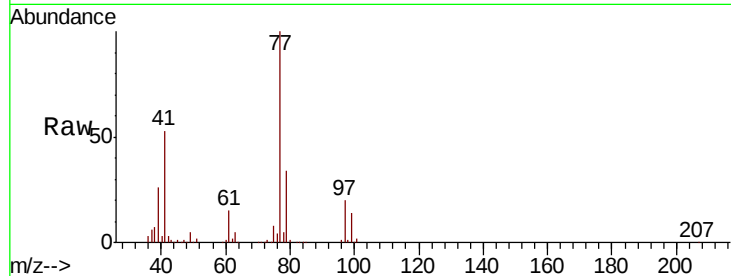
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 77 Resp: 246510

Ion Ratio Lower Upper

77 100

97 19.5 17.9 26.9



#22

cis-1,2-Dichloroethene

Concen: 0.271 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

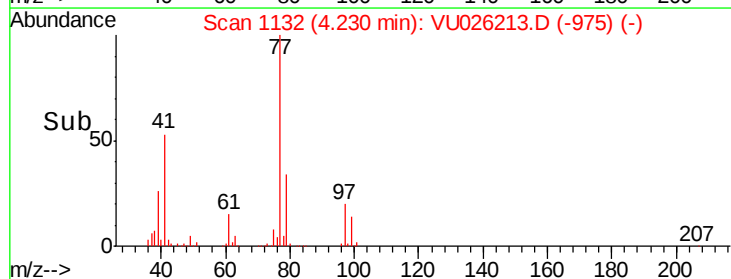
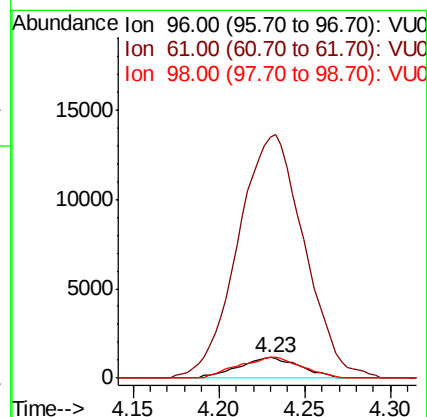
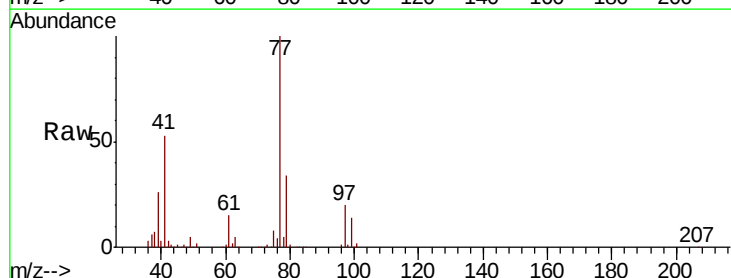
Tgt Ion: 96 Resp: 2828

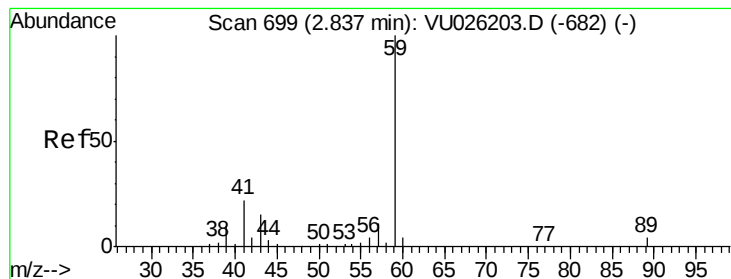
Ion Ratio Lower Upper

96 100

61 1291.5 0.0 400.5#

98 106.5 32.2 96.6#





#24

tert-Butyl Alcohol

Concen: 1.742 ug/l

RT: 2.84 min Scan# 700

Delta R.T. 0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

Instrument :

MSVOA_U

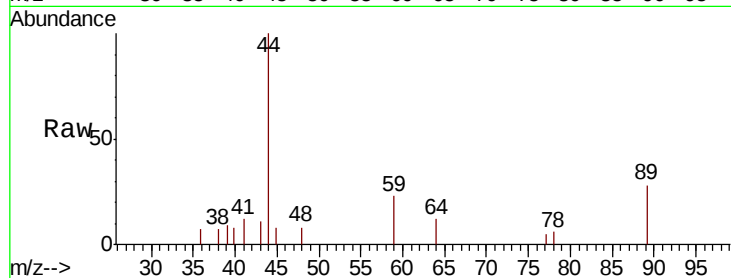
ClientSampled :

Tot Ion: 59 Resp: 1015

Ion Ratio Lower Upper

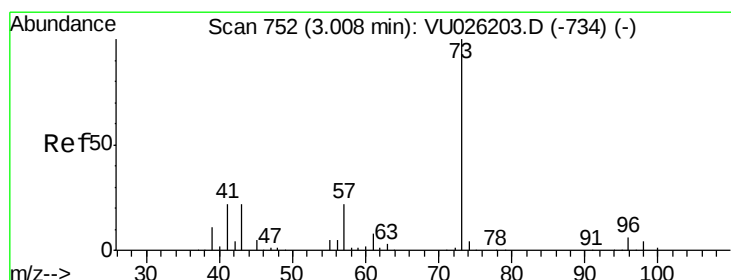
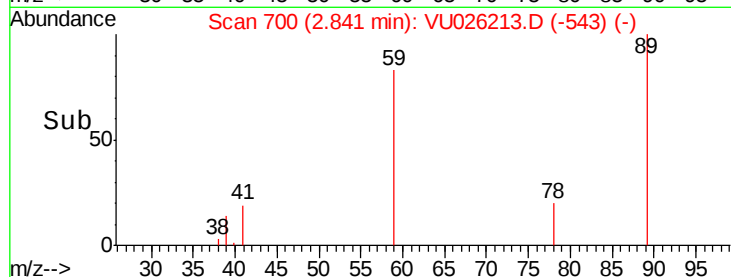
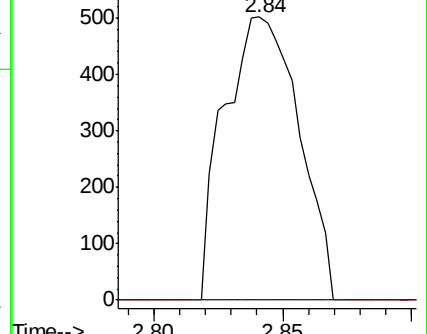
59 100

57 0.0 3.4 5.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#25

Methyl tert-Butyl Ether

Concen: 26.574 ug/l

RT: 3.00 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU026213.D

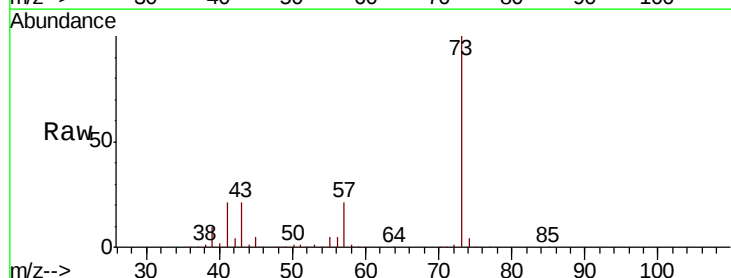
Acq: 20 Aug 2018 17:10

Tgt Ion: 73 Resp: 515042

Ion Ratio Lower Upper

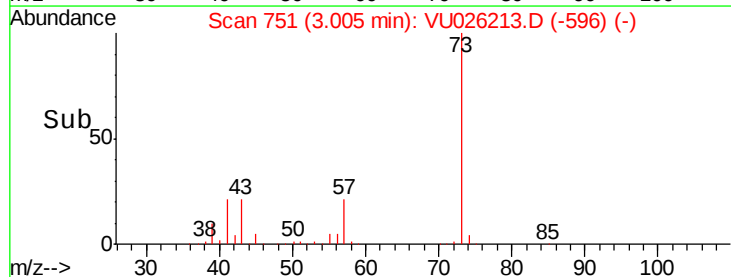
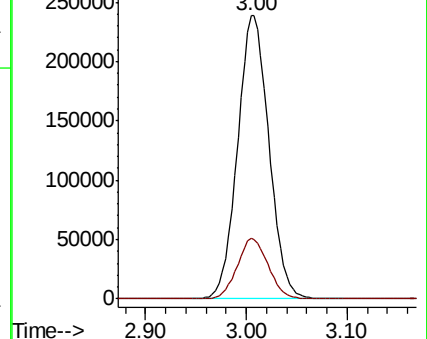
73 100

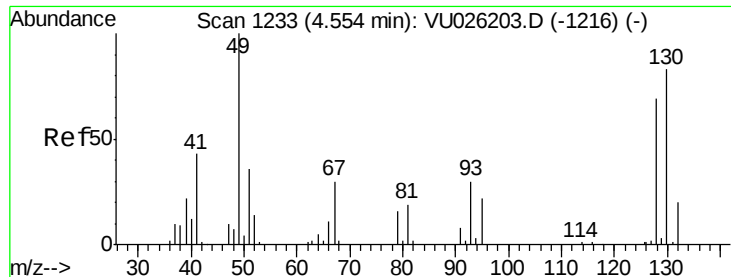
43 21.0 16.2 24.2



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

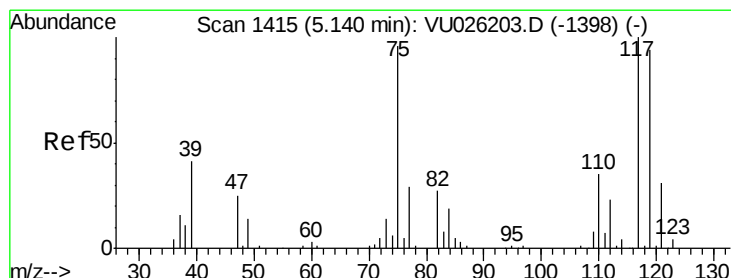
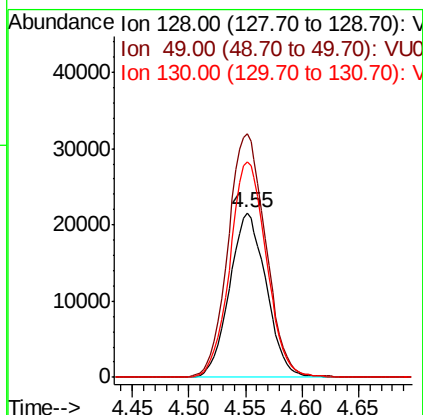
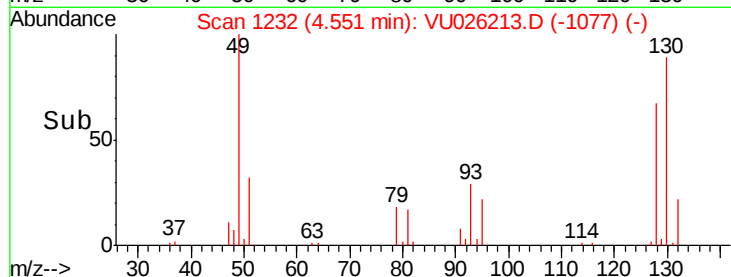
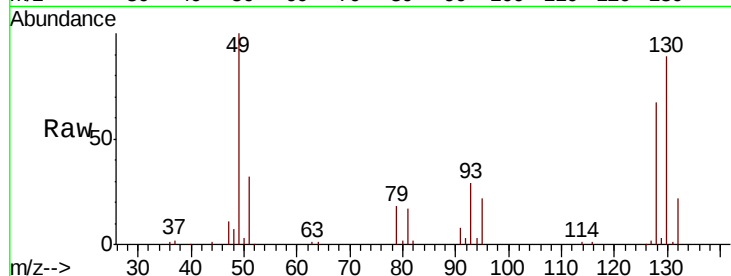




#26
Bromochloromethane
Concen: 10.411 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026213.D
Acq: 20 Aug 2018 17:10

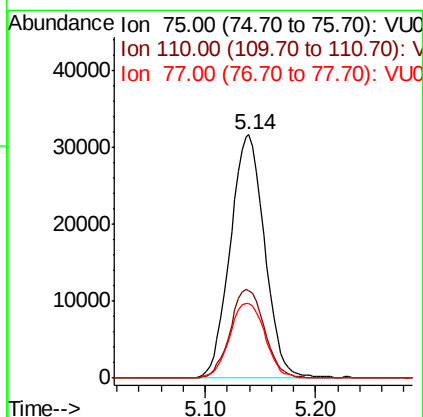
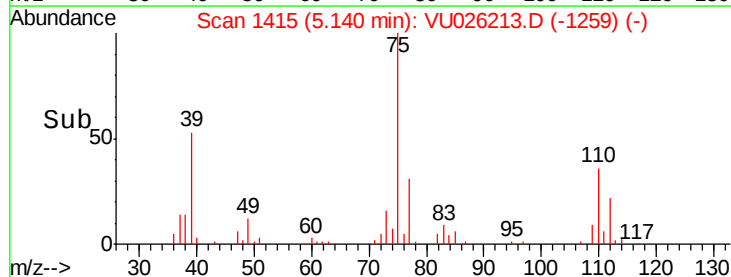
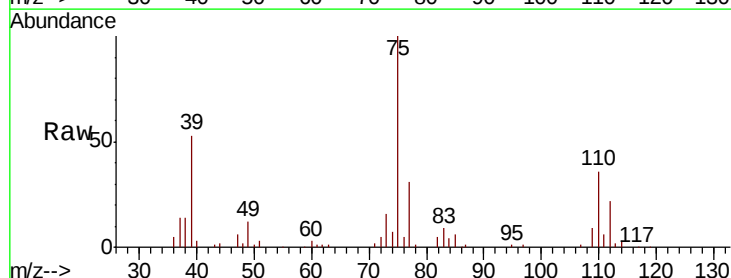
Instrument :
MSVOA_U
ClientSampleId :

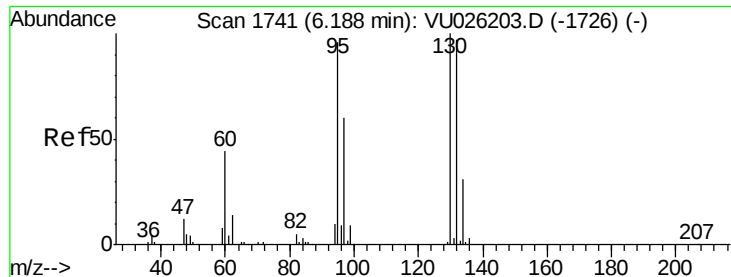
Tot Ion:128 Resp: 48595
Ion Ratio Lower Upper
128 100
49 151.9 0.0 375.2
130 131.1 105.8 158.6



#29
1,1-Dichloropropene
Concen: 5.353 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU026213.D
Acq: 20 Aug 2018 17:10

Tgt Ion: 75 Resp: 68313
Ion Ratio Lower Upper
75 100
110 36.5 16.9 50.7
77 31.6 24.8 37.2





#37

Trichloroethene

Concen: 0.214 ug/l

RT: 6.18 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

Instrument :

MSVOA_U

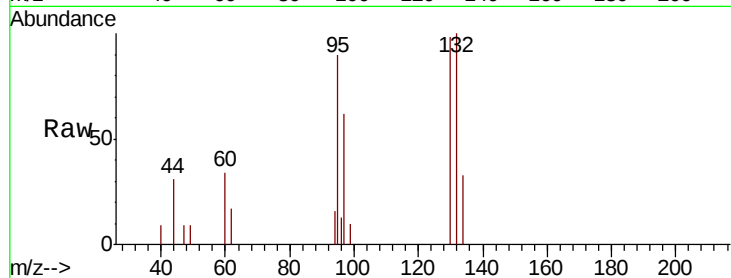
ClientSampleId :

Tot Ion:130 Resp: 2226

Ion Ratio Lower Upper

130 100

95 91.7 77.9 116.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

6.18

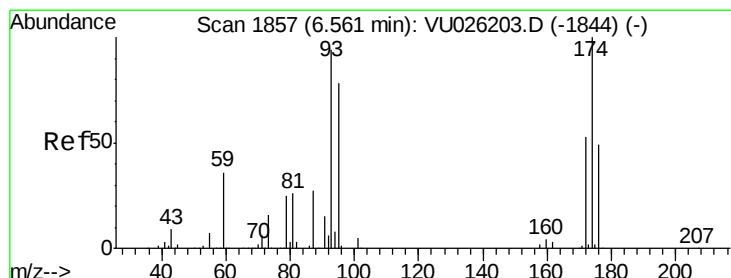
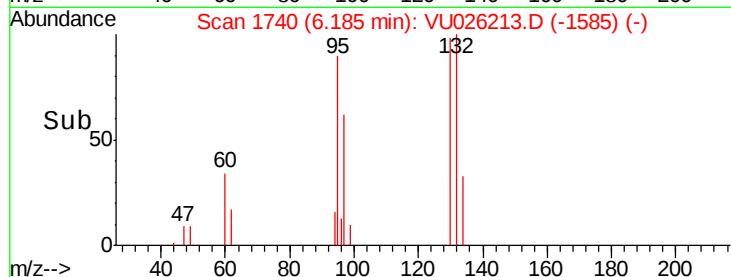
1000

500

0

Time-->

6.15 6.20



#43

Dibromomethane

Concen: 18.245 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

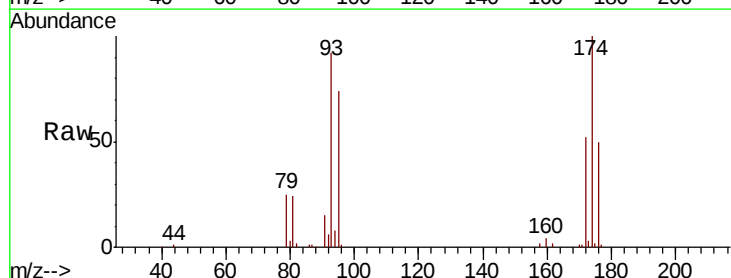
Tgt Ion: 93 Resp: 92615

Ion Ratio Lower Upper

93 100

95 82.8 67.2 100.8

174 109.9 82.8 124.2



Abundance Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V

6.56

60000

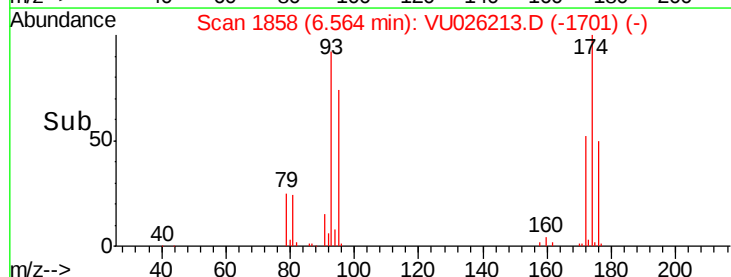
40000

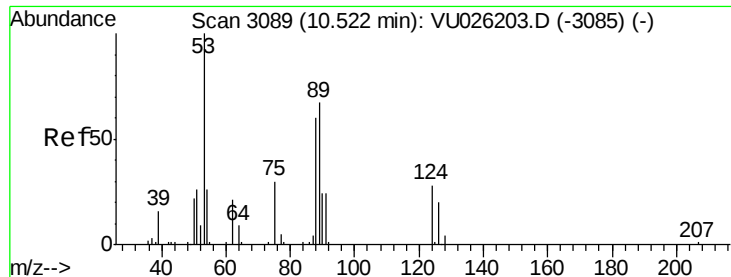
20000

0

Time-->

6.50 6.55 6.60 6.65

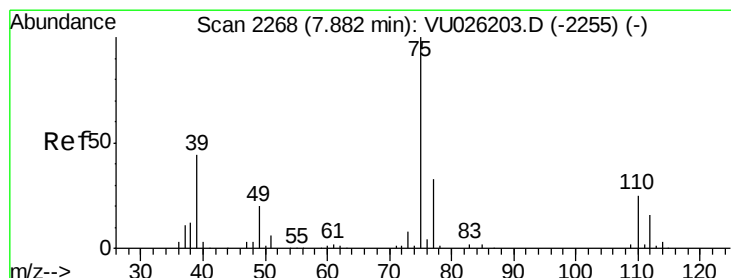
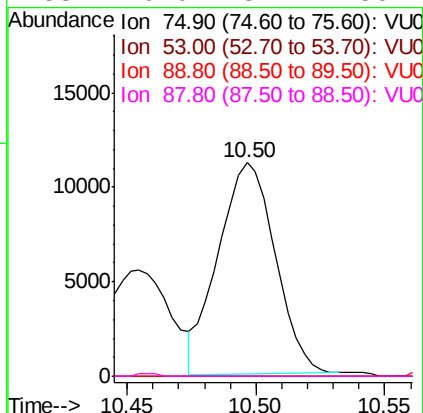
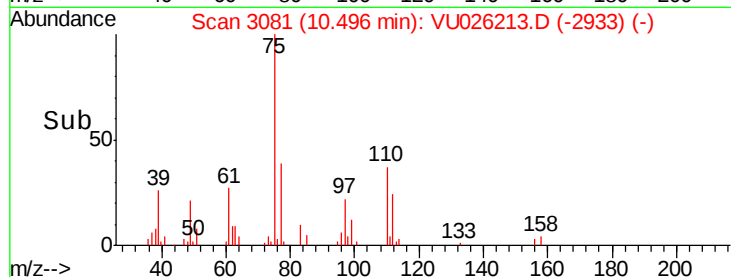
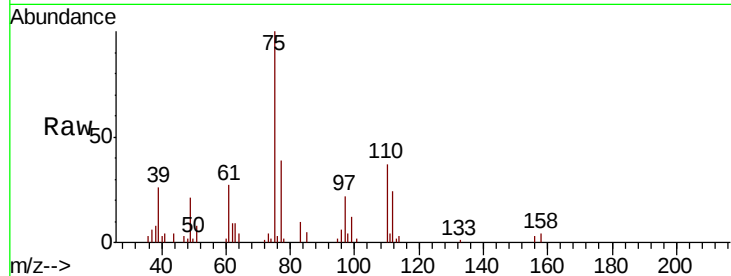




#46
t-1,4-Dichloro-2-butene
Concen: 6.925 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.03 min
Lab File: VU026213.D
Acq: 20 Aug 2018 17:10

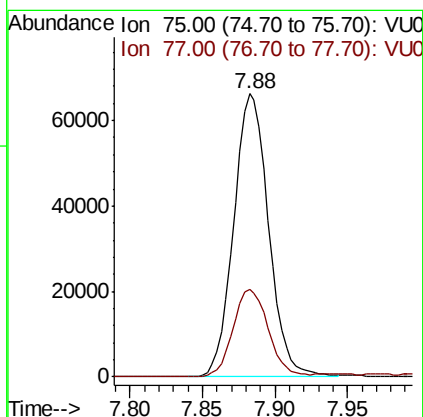
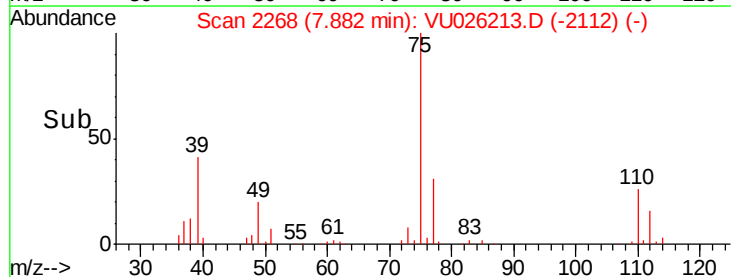
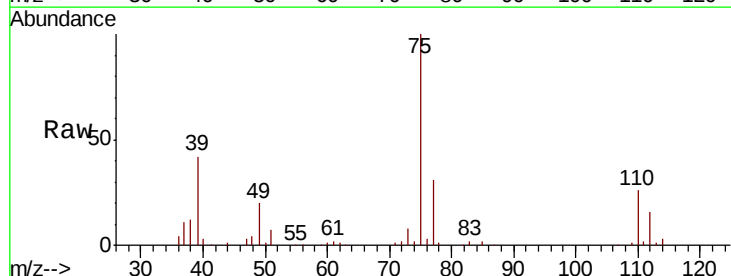
Instrument :
MSVOA_U
ClientSampleId :

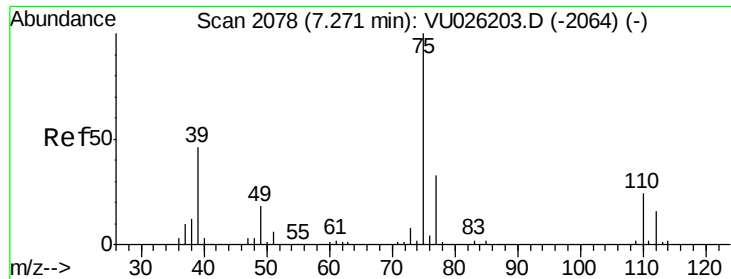
Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	82.2	123.4#
89	0.0	51.3	76.9#
88	0.0	37.4	56.2#



#50
t-1,3-Dichloropropene
Concen: 9.902 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU026213.D
Acq: 20 Aug 2018 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.2	37.8



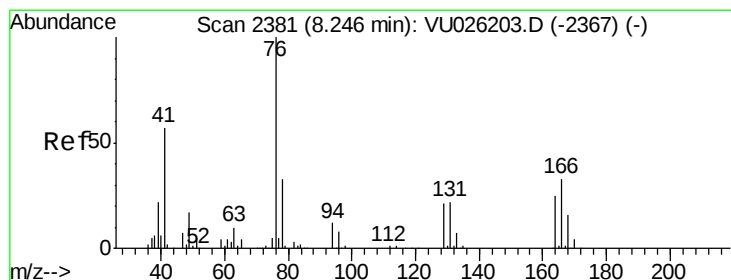
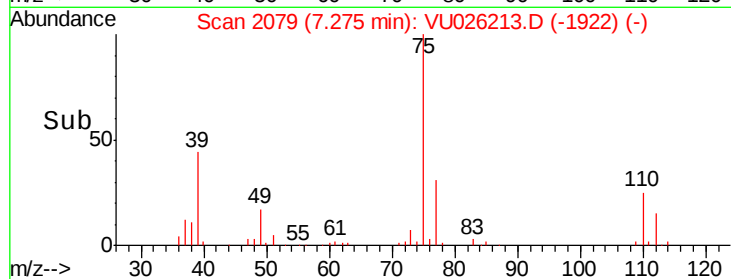
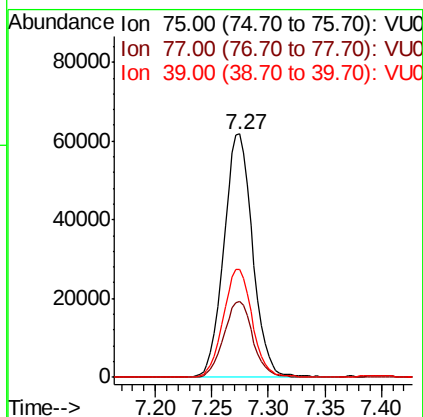
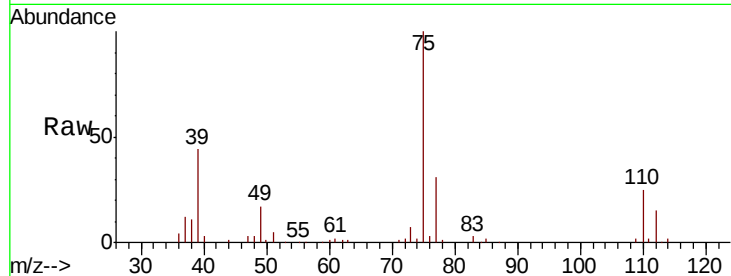


#51

cis-1,3-Dichloropropene
Concen: 8.433 ug/l
RT: 7.27 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VU026213.D
Acq: 20 Aug 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :

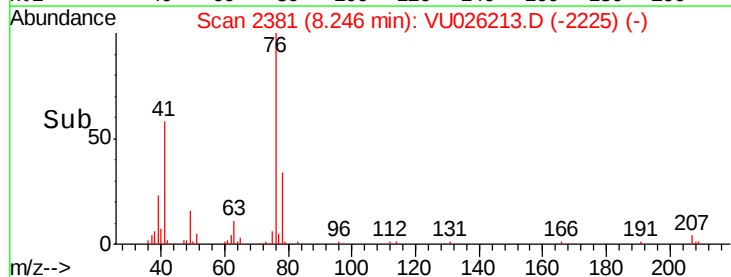
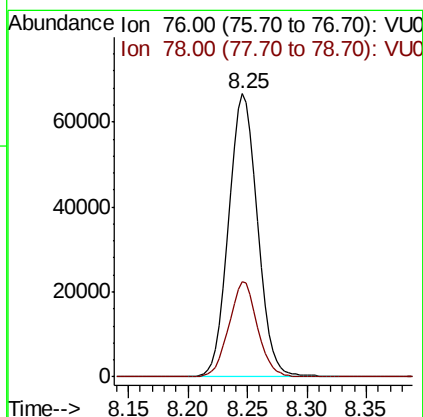
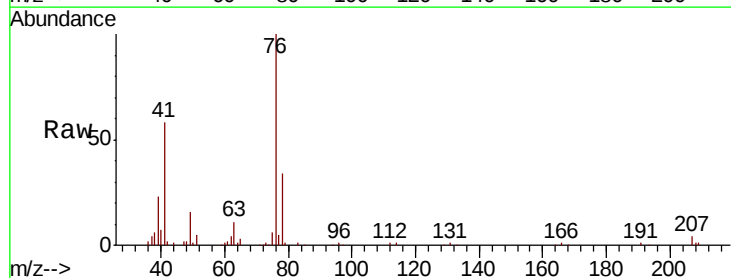
Tot Ion	75	Resp	109321
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.2	37.8
39	44.3	36.4	54.6

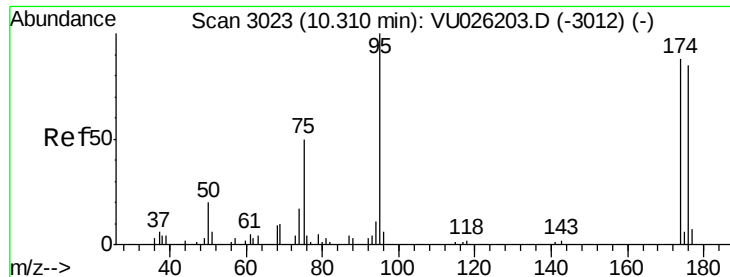


#53

1,3-Dichloropropane
Concen: 9.839 ug/l
RT: 8.25 min Scan# 2381
Delta R.T. 0.00 min
Lab File: VU026213.D
Acq: 20 Aug 2018 17:10

Tgt Ion	76	Resp	112525
Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.7	38.5

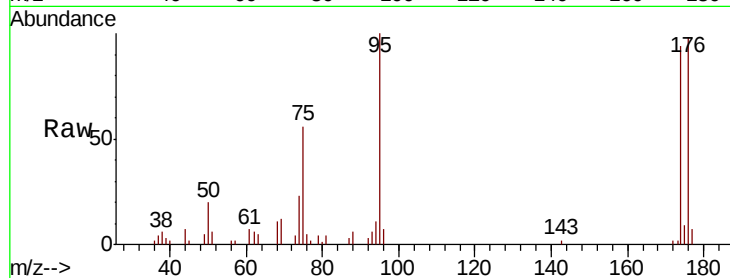




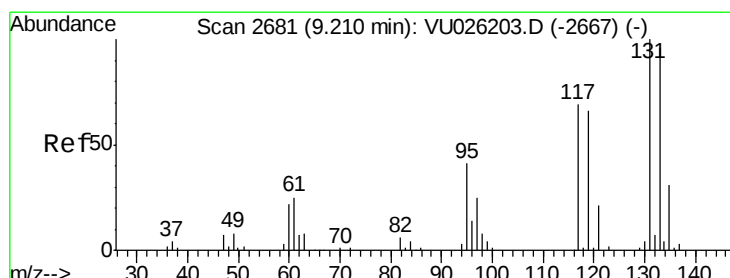
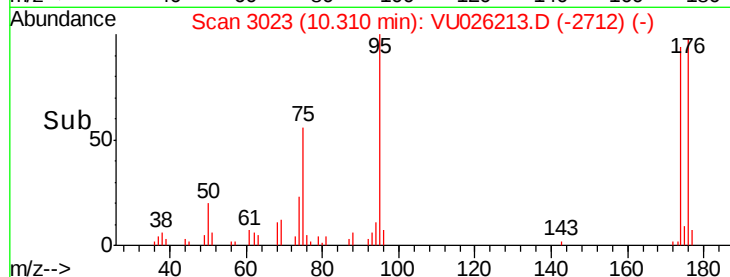
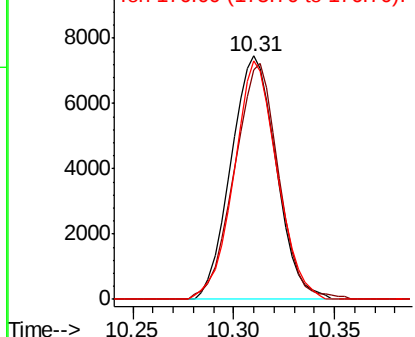
#57
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU026213.D
 Acq: 20 Aug 2018 17:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 11709
 Ion Ratio Lower Upper
 95 100
 174 94.9 65.6 98.4
 176 93.5 62.0 93.0#

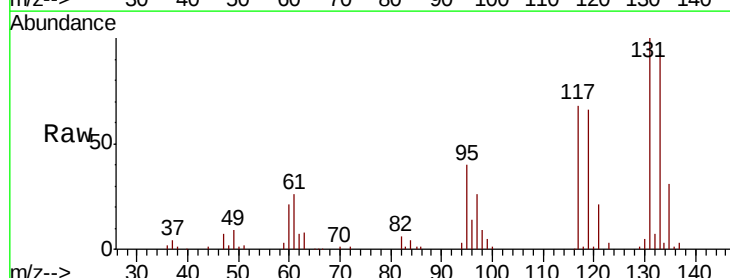


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V

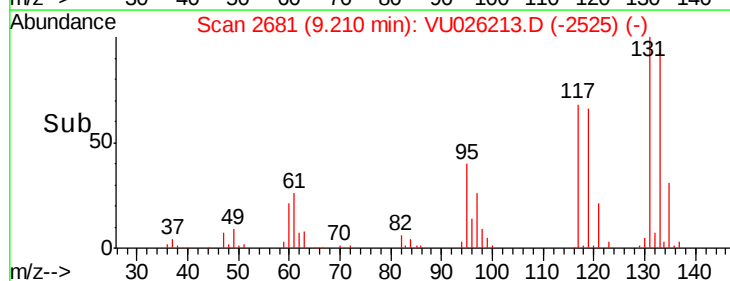
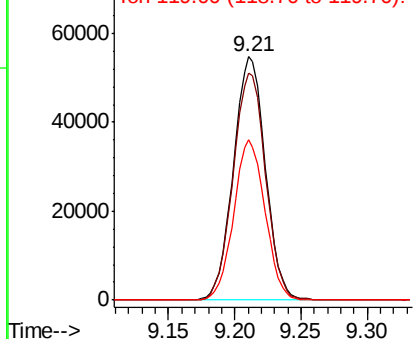


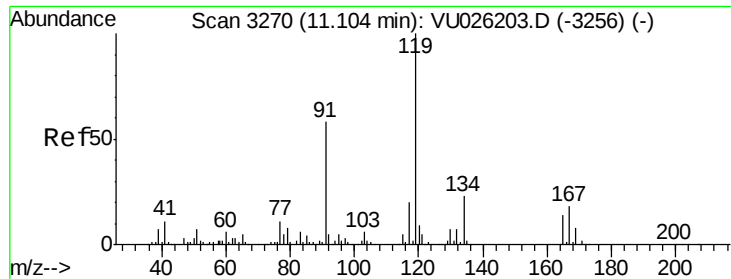
#60
 1,1,1,2-Tetrachloroethane
 Concen: 9.431 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. 0.00 min
 Lab File: VU026213.D
 Acq: 20 Aug 2018 17:10

Tgt Ion: 131 Resp: 91752
 Ion Ratio Lower Upper
 131 100
 133 94.9 75.8 113.8
 119 64.5 53.0 79.6



Abundance Ion 131.00 (130.70 to 131.70): V
 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 1.211 ug/l

RT: 11.10 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

Instrument :

MSVOA_U

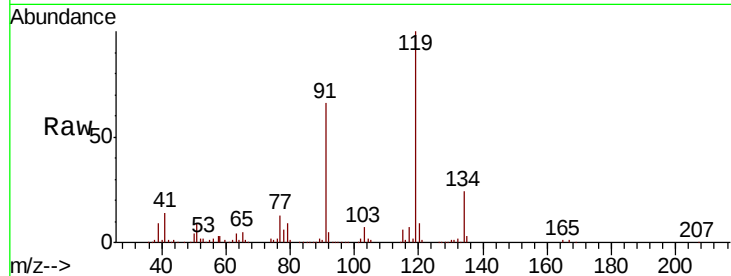
ClientSampleId :

Tot Ion:117 Resp: 10053

Ion Ratio Lower Upper

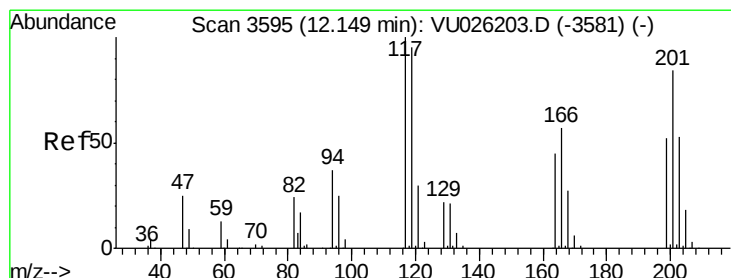
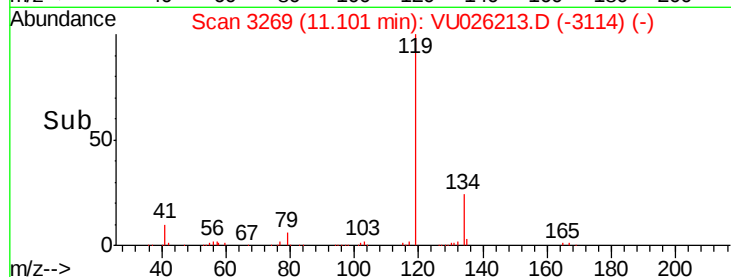
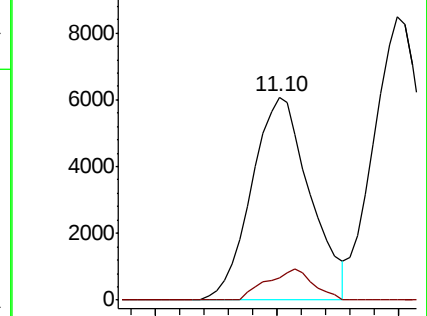
117 100

167 12.2 69.2 103.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.334 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU026213.D

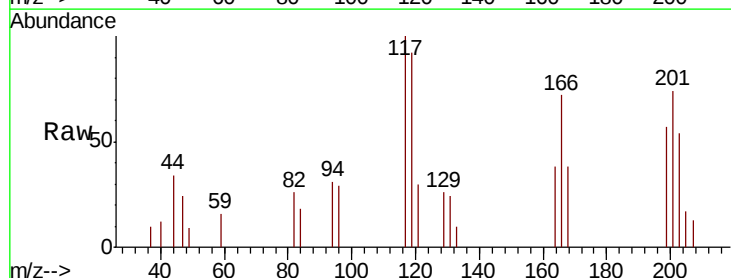
Acq: 20 Aug 2018 17:10

Tgt Ion:117 Resp: 2767

Ion Ratio Lower Upper

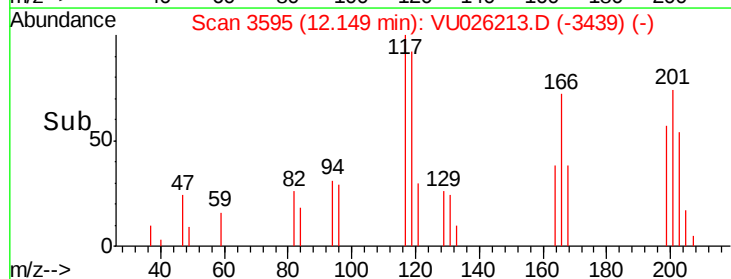
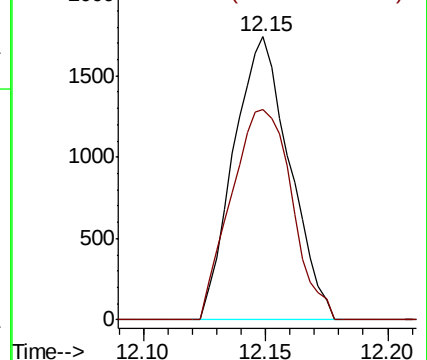
117 100

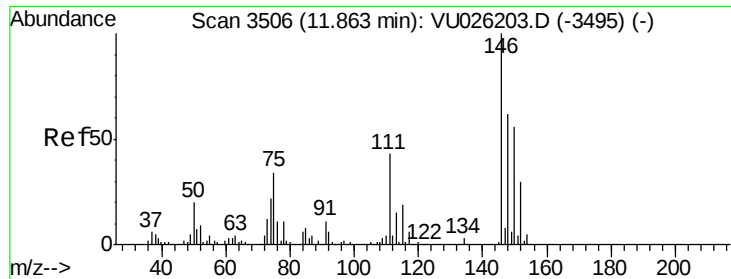
201 81.0 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#68

1,2-Dichlorobenzene-d4

Concen: N.D. ug/l

RT: 11.86 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

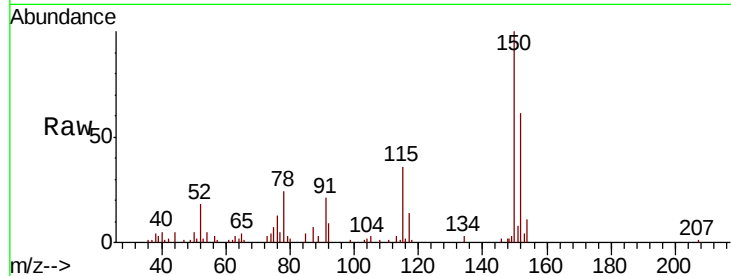
Tot Ion:152 Resp: 13654

Ion Ratio Lower Upper

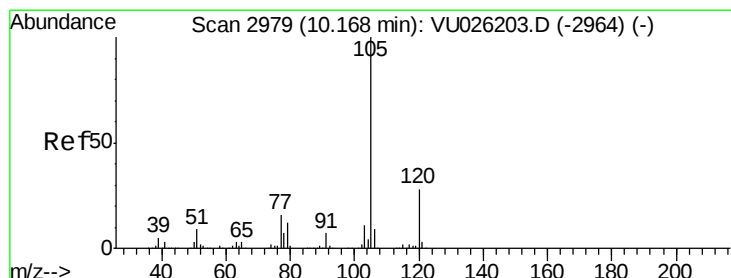
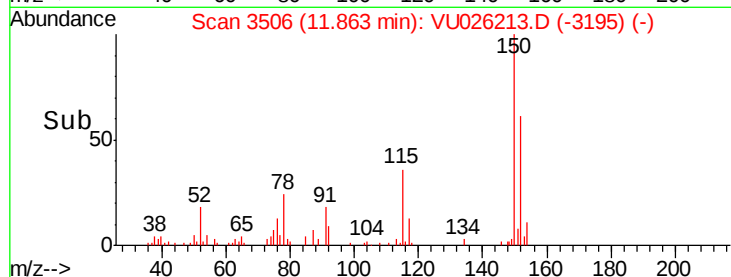
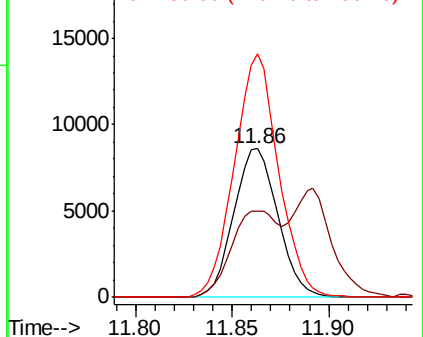
152 100

115 63.0 0.0 118.8

150 164.4 0.0 0.0#



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#69

Isopropylbenzene

Concen: 9.632 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026213.D

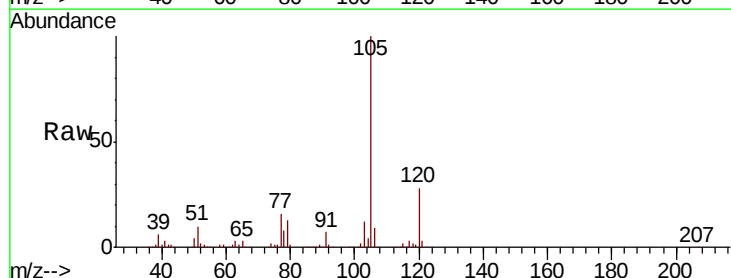
Acq: 20 Aug 2018 17:10

Tgt Ion:105 Resp: 375213

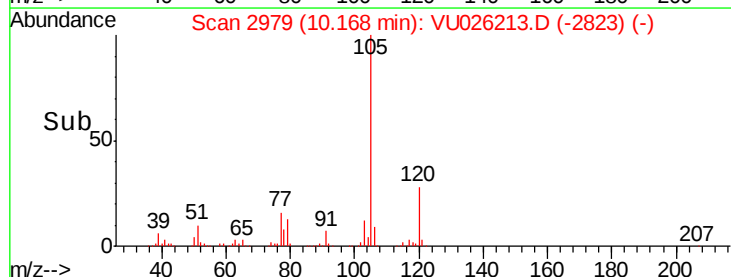
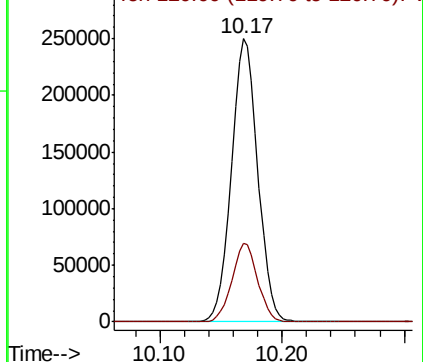
Ion Ratio Lower Upper

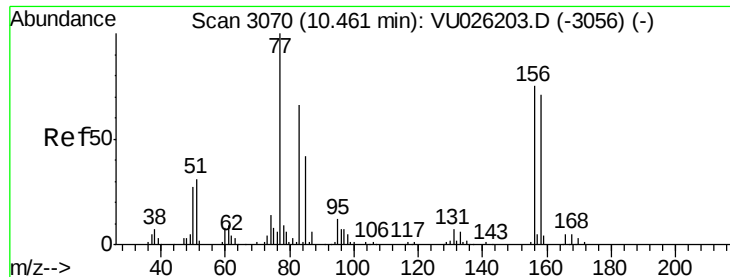
105 100

120 27.2 13.1 39.3



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





#70

1,1,2,2-Tetrachloroethane

Concen: 16.940 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

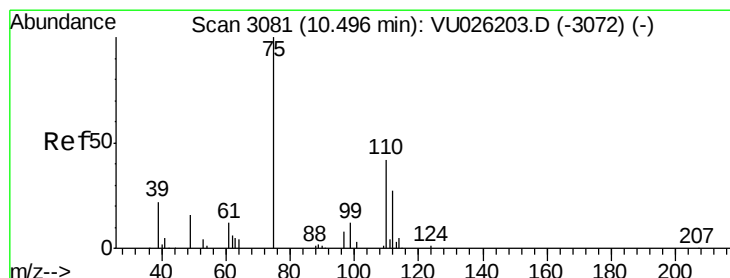
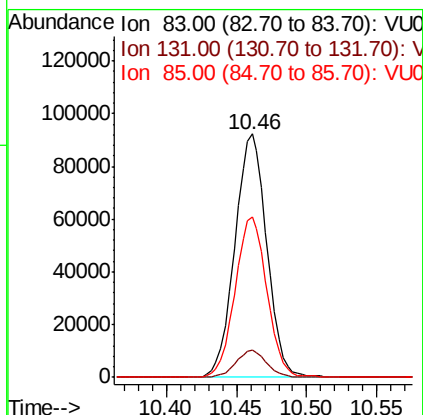
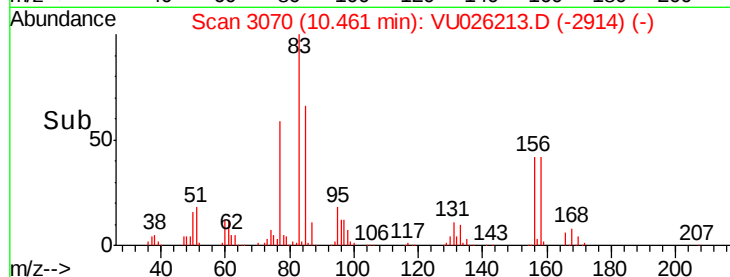
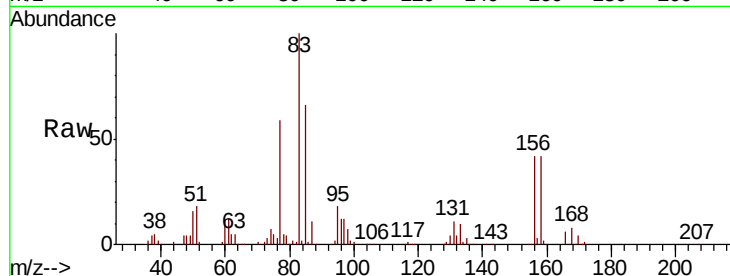
Tot Ion: 83 Resp: 146304

Ion Ratio Lower Upper

83 100

131 10.7 7.9 11.9

85 65.7 51.8 77.6



#71

1,2,3-Trichloropropane

Concen: 2.771 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

Tgt Ion: 75 Resp: 17131

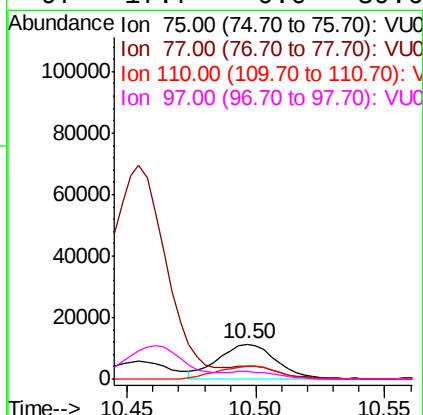
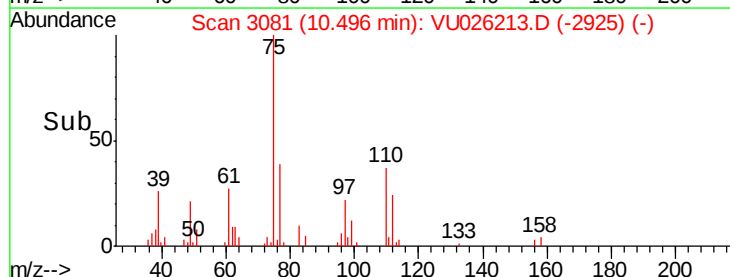
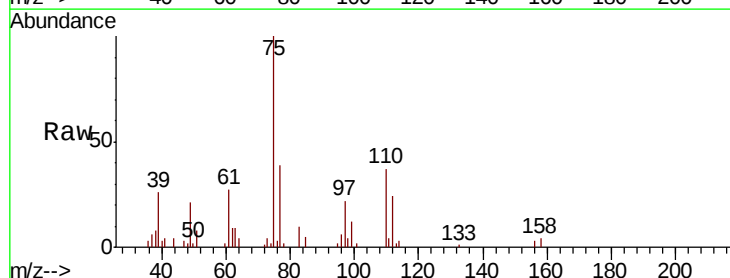
Ion Ratio Lower Upper

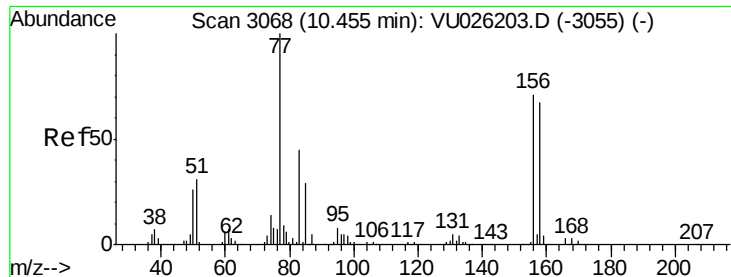
75 100

77 0.0 0.0 0.0

110 40.1 0.0 74.0

97 17.7 0.0 39.6





#72

Bromobenzene

Concen: 6.947 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

Instrument :

MSVOA_U

ClientSampled :

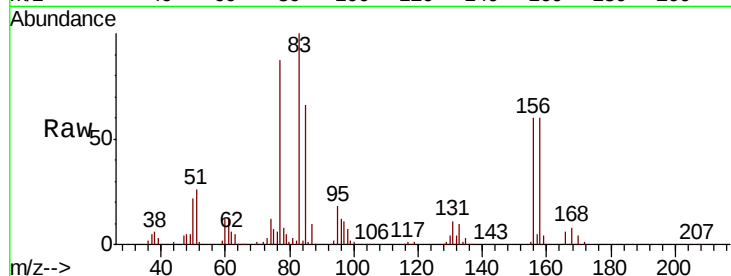
Tot Ion:156 Resp: 75728

Ion Ratio Lower Upper

156 100

77 143.8 0.0 309.8

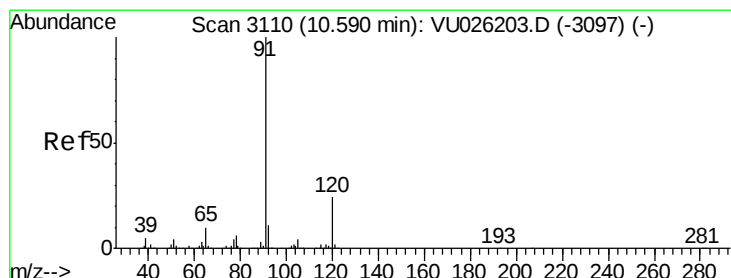
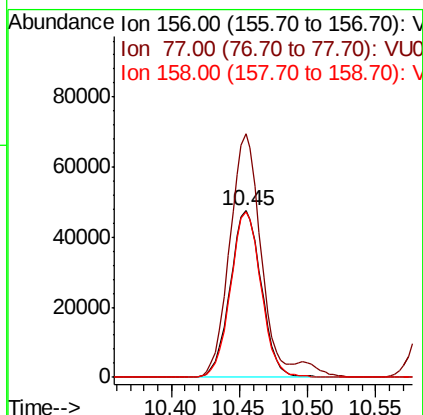
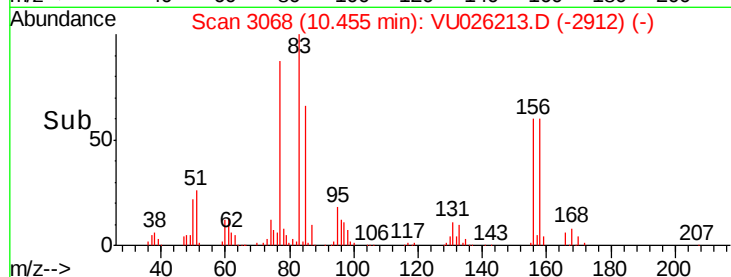
158 97.2 0.0 193.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



#73

n-propylbenzene

Concen: 15.823 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU026213.D

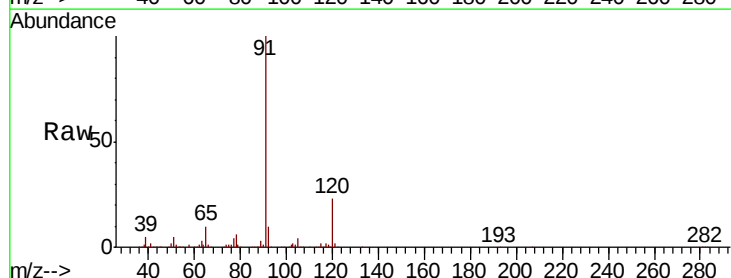
Acq: 20 Aug 2018 17:10

Tgt Ion:120 Resp: 180222

Ion Ratio Lower Upper

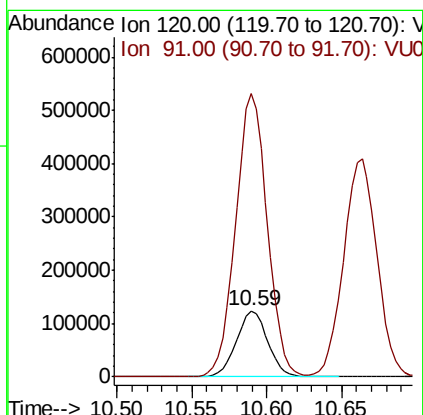
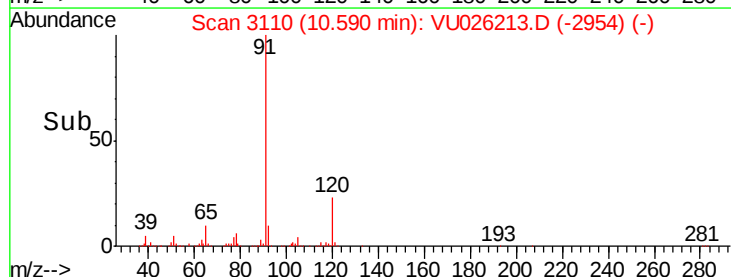
120 100

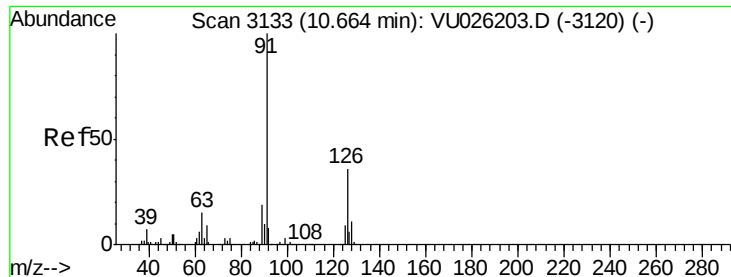
91 432.7 352.2 528.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

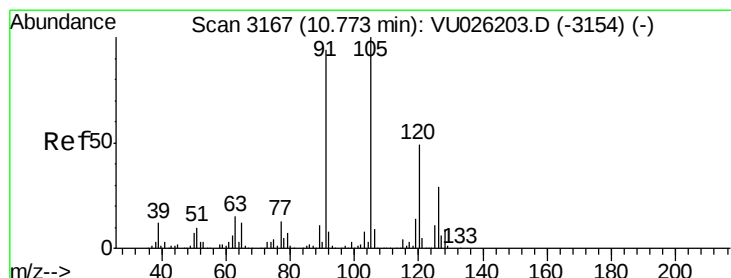
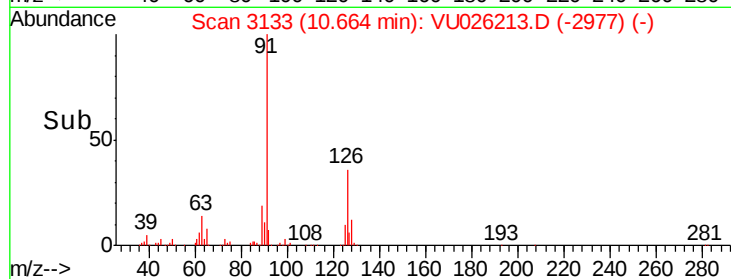
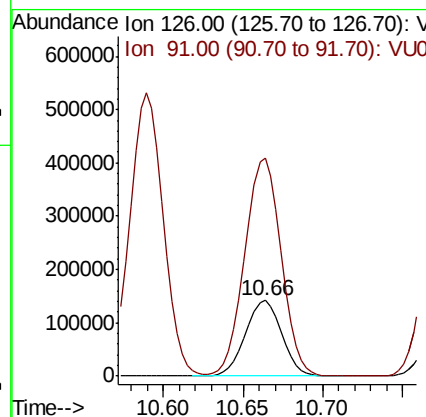
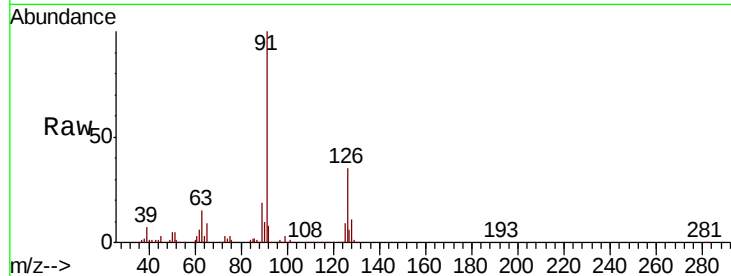




#74
 2-Chlorotoluene
 Concen: 21.490 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU026213.D
 Acq: 20 Aug 2018 17:10

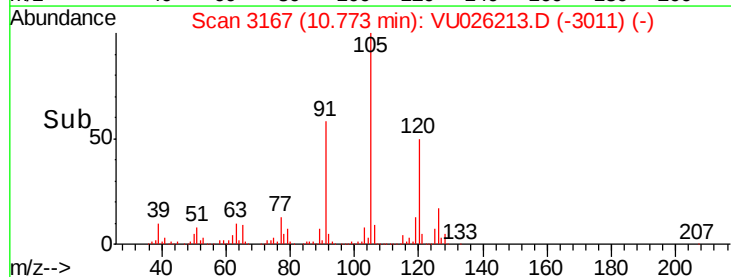
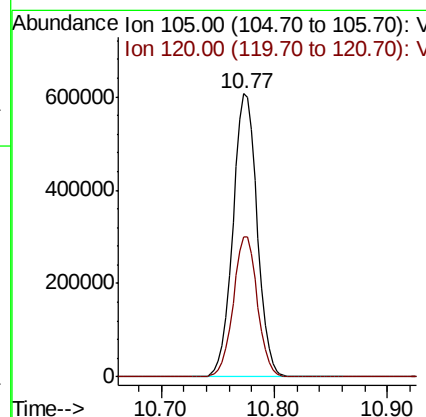
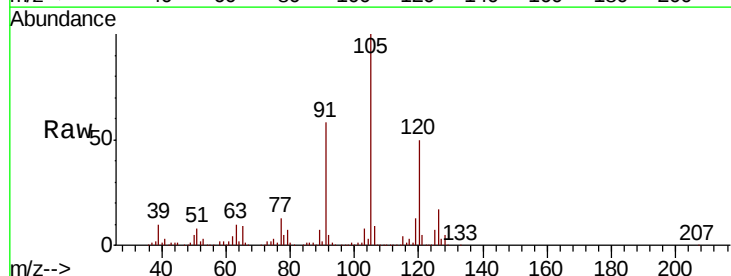
Instrument :
 MSVOA_U
 ClientSampled :

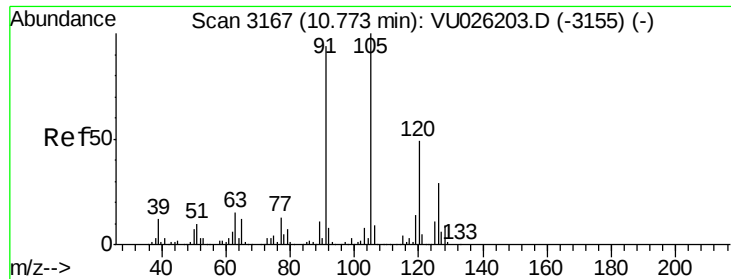
Tot Ion:126 Resp: 220854
 Ion Ratio Lower Upper
 126 100
 91 286.3 0.0 613.0



#75
 1,3,5-Trimethylbenzene
 Concen: 26.087 ug/l
 RT: 10.77 min Scan# 3167
 Delta R.T. 0.00 min
 Lab File: VU026213.D
 Acq: 20 Aug 2018 17:10

Tgt Ion:105 Resp: 903142
 Ion Ratio Lower Upper
 105 100
 120 49.3 39.0 58.6

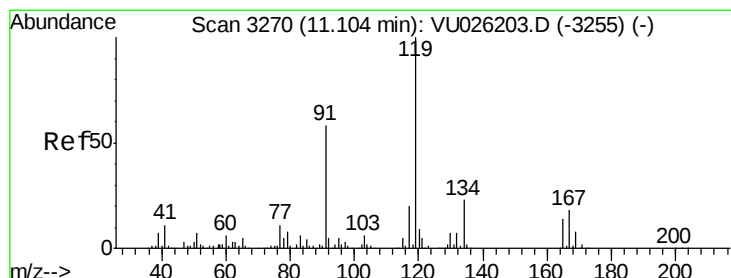
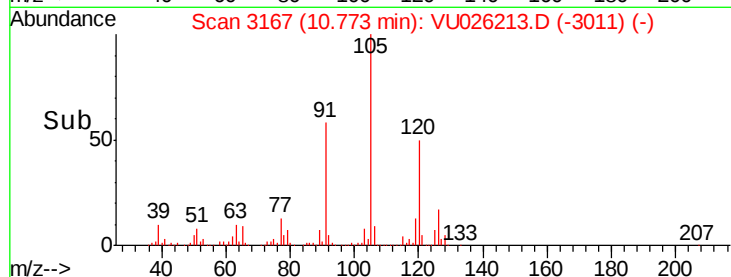
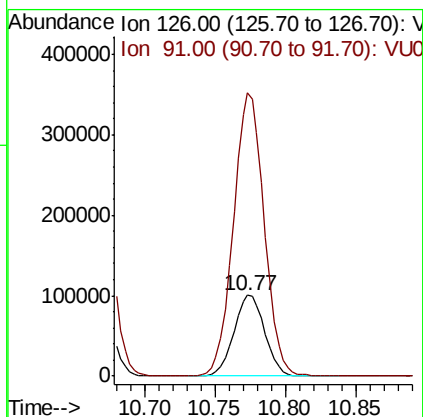
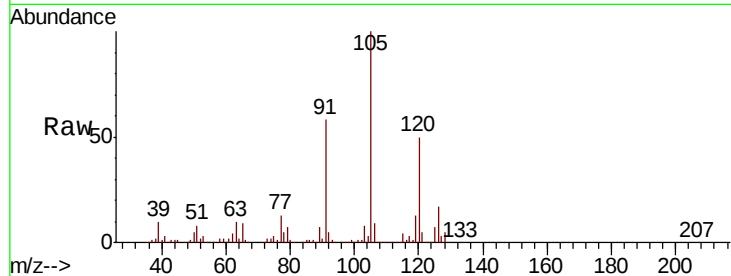




#76
4-Chlorotoluene
Concen: 14.529 ug/l
RT: 10.77 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VU026213.D
Acq: 20 Aug 2018 17:10

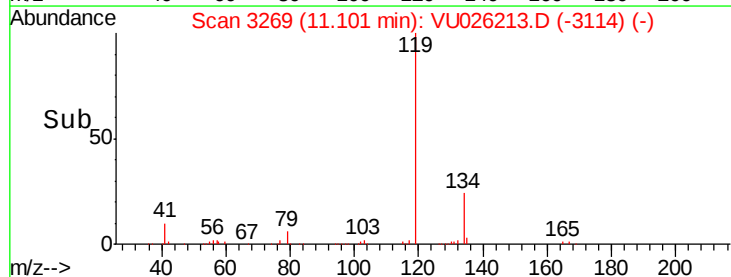
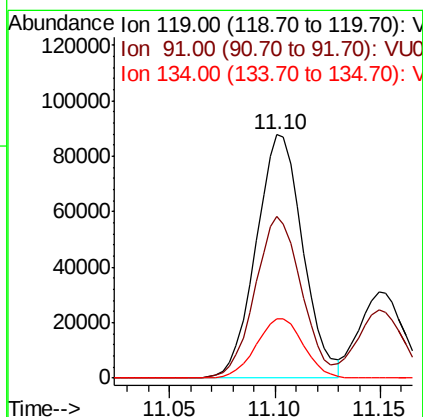
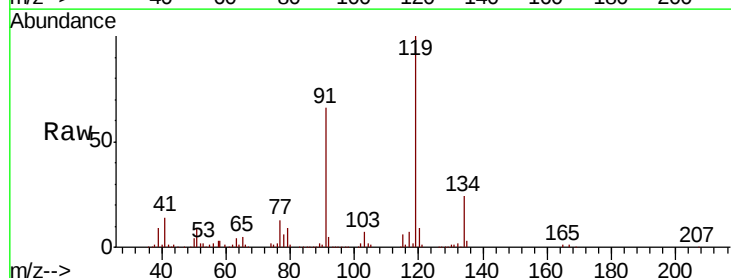
Instrument :
MSVOA_U
ClientSampleId :

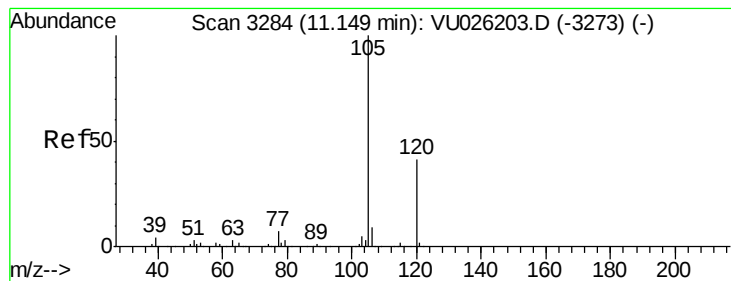
Tot Ion:126 Resp: 153471
Ion Ratio Lower Upper
126 100
91 347.7 0.0 667.2



#77
tert-Butylbenzene
Concen: 3.926 ug/l
RT: 11.10 min Scan# 3269
Delta R.T. -0.00 min
Lab File: VU026213.D
Acq: 20 Aug 2018 17:10

Tgt Ion:119 Resp: 135405
Ion Ratio Lower Upper
119 100
91 65.9 29.6 88.8
134 24.7 19.1 28.7





#78

1,2,4-Trimethylbenzene

Concen: 9.794 ug/l

RT: 11.15 min Scan# 3284

Delta R.T. 0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

Instrument :

MSVOA_U

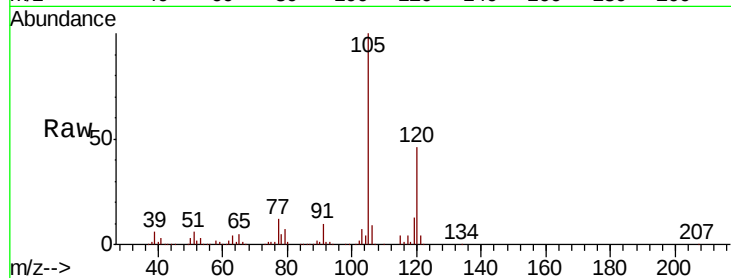
ClientSampleId :

Tot Ion:105 Resp: 350820

Ion Ratio Lower Upper

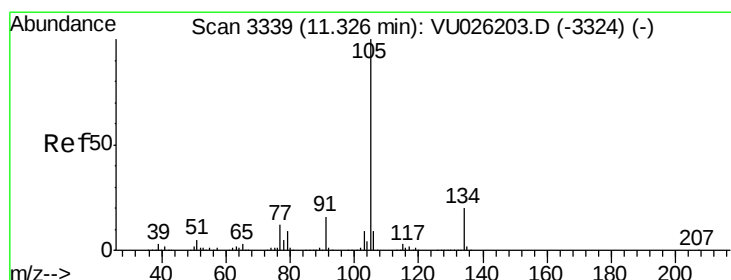
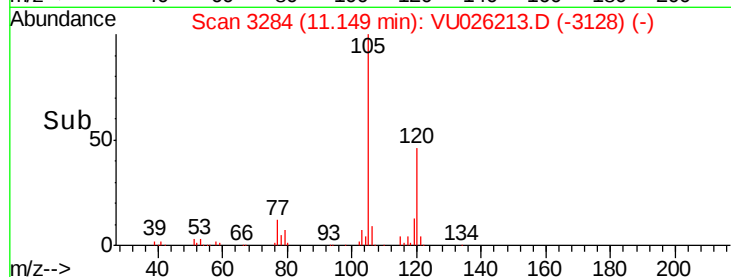
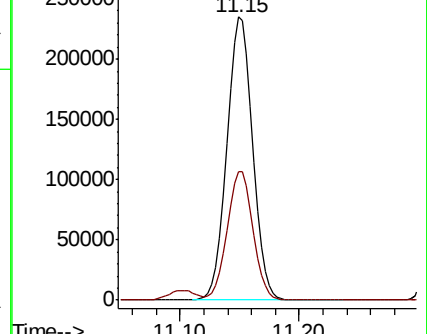
105 100

120 45.8 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#79

sec-Butylbenzene

Concen: 8.957 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU026213.D

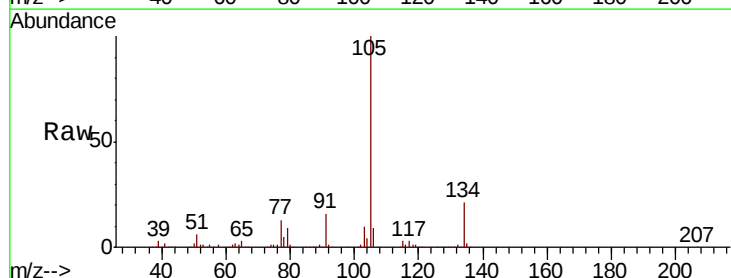
Acq: 20 Aug 2018 17:10

Tgt Ion:105 Resp: 404636

Ion Ratio Lower Upper

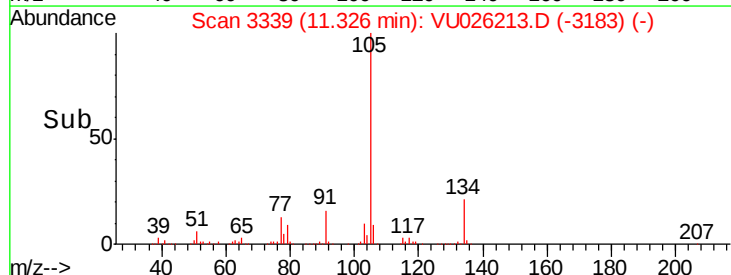
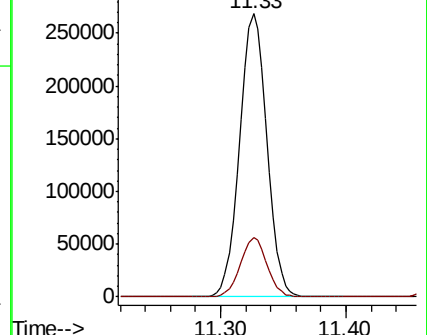
105 100

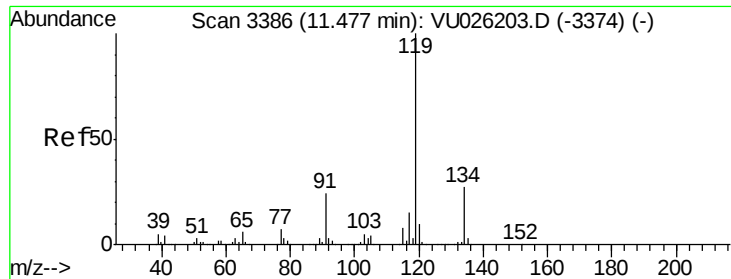
134 20.5 15.6 23.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

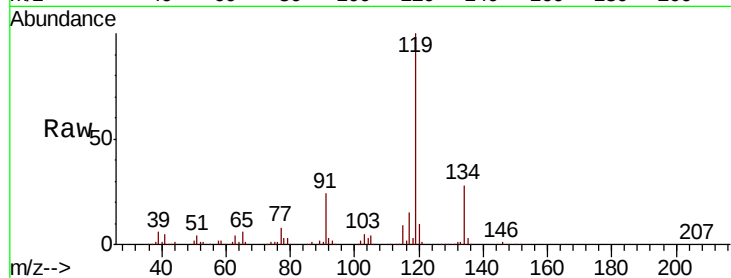




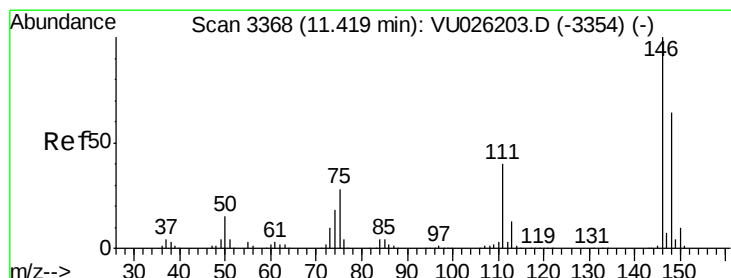
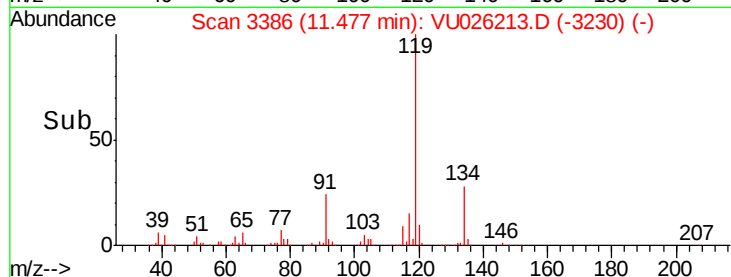
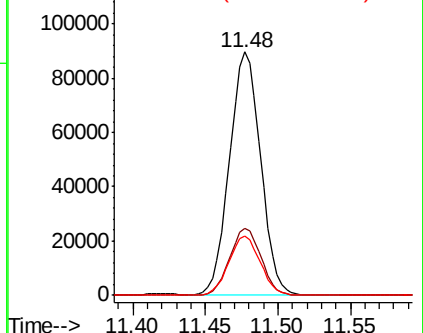
#81
 p-Isopropyltoluene
 Concen: 3.511 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU026213.D
 Acq: 20 Aug 2018 17:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.7	20.9	31.3
91	24.6	18.2	27.2

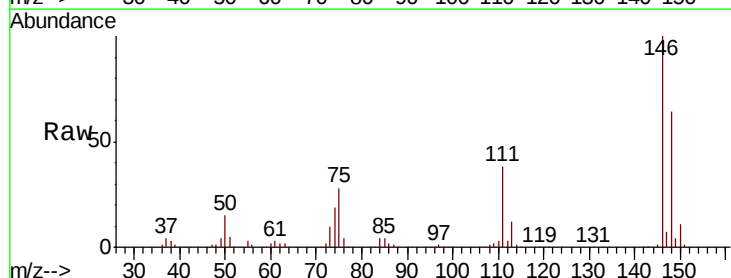


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

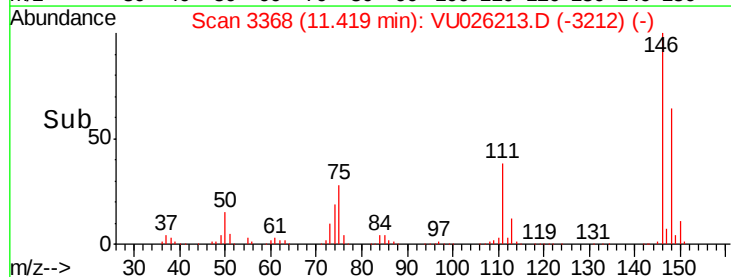
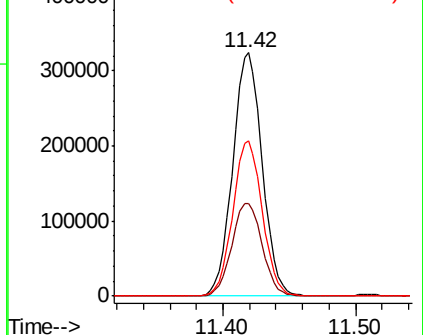


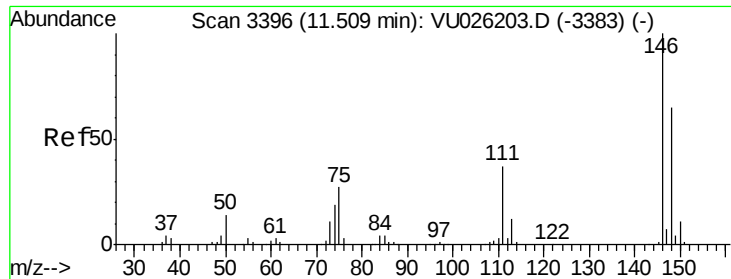
#82
 1,3-Dichlorobenzene
 Concen: 21.702 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU026213.D
 Acq: 20 Aug 2018 17:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	31.8	47.6
148	63.7	51.0	76.4



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

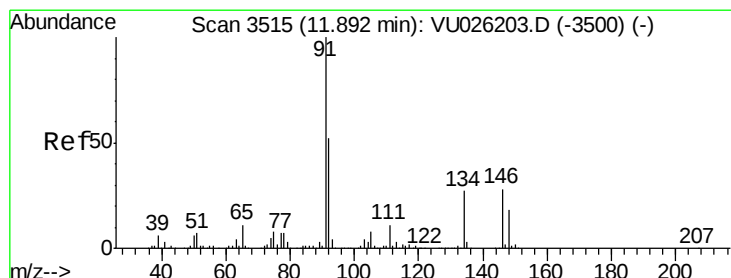
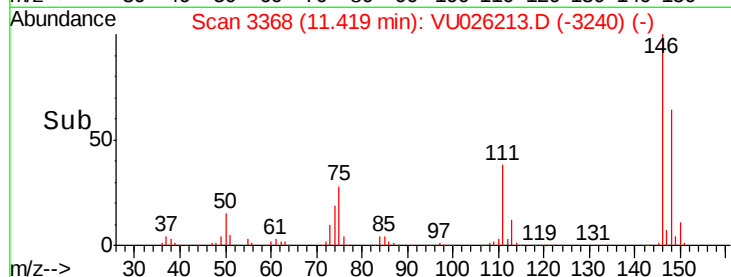
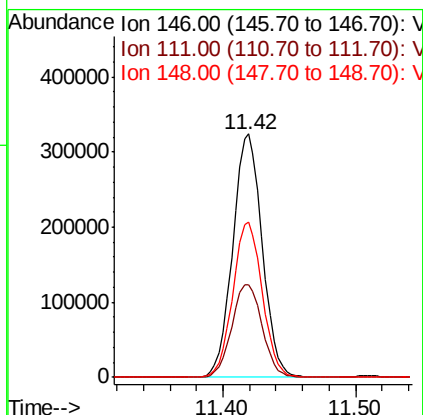
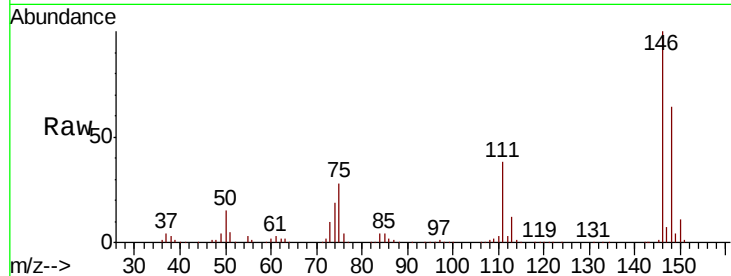




#83
 1,4-Dichlorobenzene
 Concen: 21.736 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.09 min
 Lab File: VU026213.D
 Acq: 20 Aug 2018 17:10

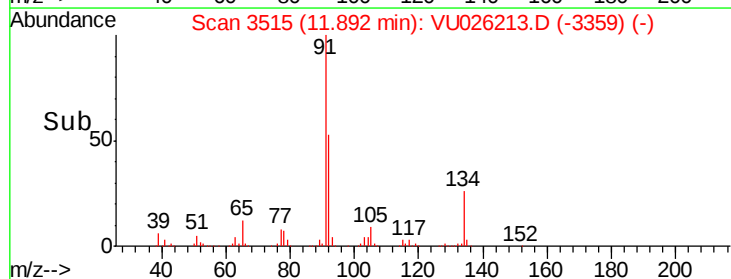
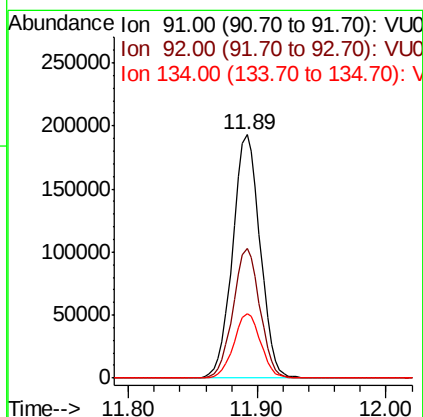
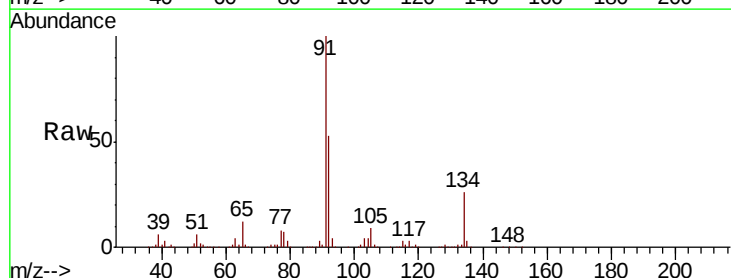
Instrument :
 MSVOA_U
 ClientSampleId :

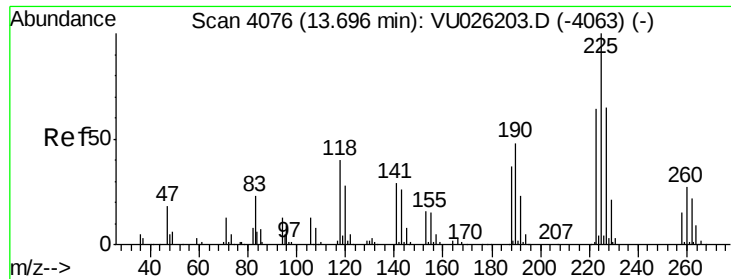
Tot Ion:146 Resp: 498241
 Ion Ratio Lower Upper
 146 100
 111 39.4 30.1 45.1
 148 63.7 50.6 76.0



#84
 n-Butylbenzene
 Concen: 7.712 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU026213.D
 Acq: 20 Aug 2018 17:10

Tgt Ion: 91 Resp: 285241
 Ion Ratio Lower Upper
 91 100
 92 52.0 42.2 63.2
 134 25.8 20.3 30.5





#88

Hexachlorobutadiene

Concen: 40.253 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

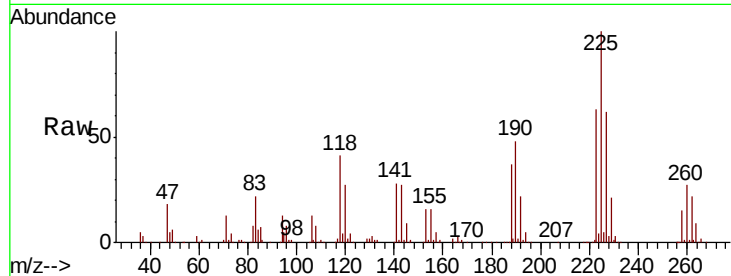
Tot Ion:225 Resp: 365136

Ion Ratio Lower Upper

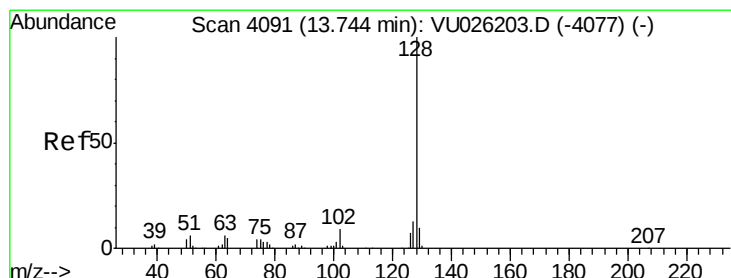
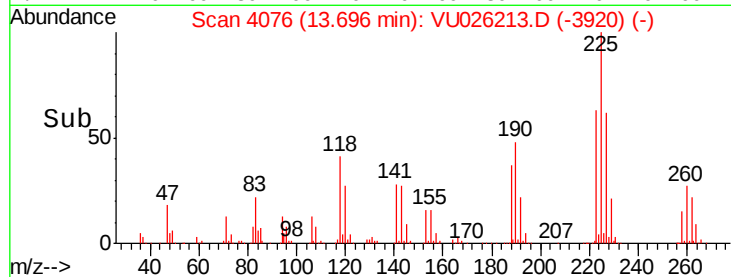
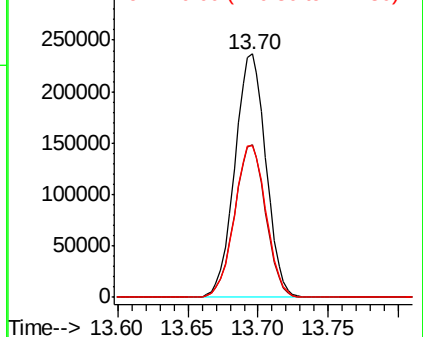
225 100

223 62.9 50.6 75.8

227 63.6 51.8 77.6



Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V



#89

Naphthalene

Concen: 49.050 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026213.D

Acq: 20 Aug 2018 17:10

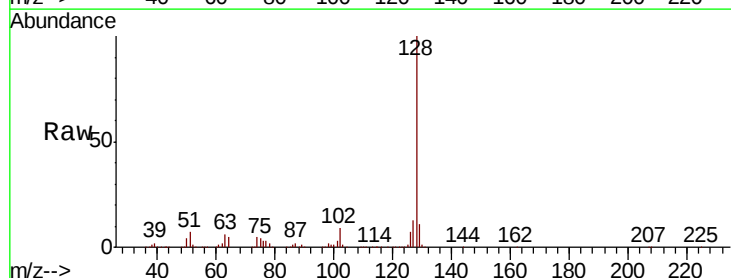
Tgt Ion:128 Resp: 1145710

Ion Ratio Lower Upper

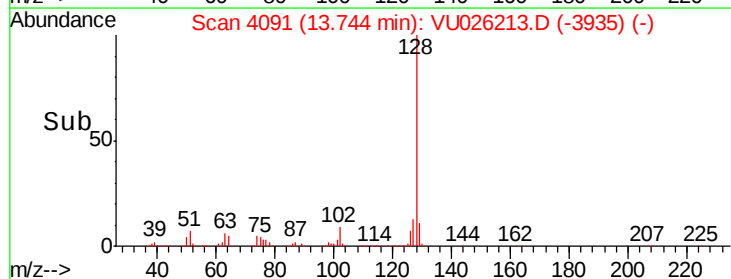
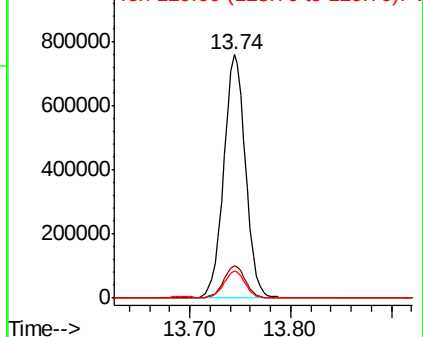
128 100

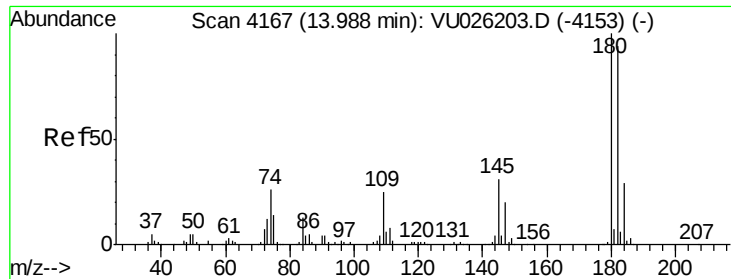
127 13.2 10.5 15.7

129 10.8 8.7 13.1



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





#90
 1,2,3-Trichlorobenzene
 Concen: 41.471 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. 0.00 min
 Lab File: VU026213.D
 Acq: 20 Aug 2018 17:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.8	115.2
145	31.6	24.6	36.8

