

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026214.D
 Acq On : 20 Aug 2018 17:34
 Operator : MD/SY
 Sample : J4045-08DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 21 07:42:20 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

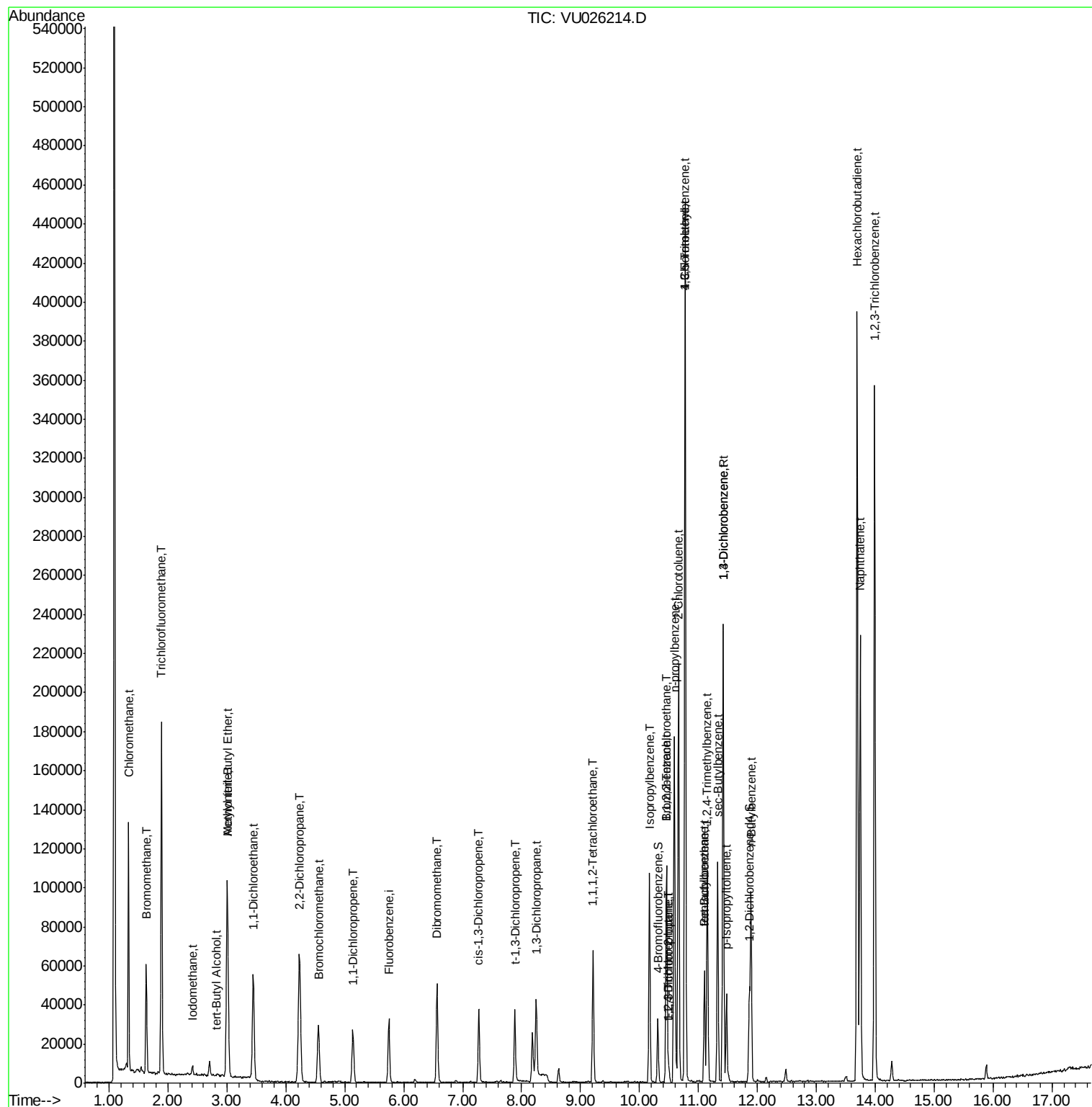
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.75	96	30316	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	9797	0.90	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	13233	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds					Ovalue	
3) Chloromethane	1.33	50	76328	7.583	ug/l	98
5) Bromomethane	1.63	94	24401	4.410	ug/l	98
7) Trichlorofluoromethane	1.89	101	110411	7.424	ug/l	96
10) Iodomethane	2.41	142	3837	0.574	ug/l #	86
12) Acrylonitrile	3.01	53	1416	0.887	ug/l #	20
13) Acetone	2.33	43	1321	Below Cal	#	87
15) Methylene Chloride	2.70	84	2962	Below Cal	#	83
17) 1,1-Dichloroethane	3.45	63	56784	3.810	ug/l	97
21) 2,2-Dichloropropane	4.23	77	52396	3.420	ug/l	93
24) tert-Butyl Alcohol	2.83	59	243	0.440	ug/l #	87
25) Methyl tert-Butyl Ether	3.00	73	103948	5.663	ug/l	96
26) Bromochloromethane	4.55	128	9743	2.204	ug/l	88
29) 1,1-Dichloropropene	5.14	75	14874	1.231	ug/l	96
43) Dibromomethane	6.56	93	19365	4.028	ug/l	98
46) t-1,4-Dichloro-2-butene	10.50	75	3681	1.951	ug/l #	11
50) t-1,3-Dichloropropene	7.89	75	21369	2.019	ug/l	95
51) cis-1,3-Dichloropropene	7.27	75	21433	1.746	ug/l	94
53) 1,3-Dichloropropane	8.25	76	21889	2.021	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	18483	2.006	ug/l	98
61) Pentachloroethane	11.10	117	2222	0.283	ug/l #	10
69) Isopropylbenzene	10.17	105	63106	1.711	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	29533	3.611	ug/l	98
71) 1,2,3-Trichloropropane	10.50	75	3681	0.629	ug/l #	91
72) Bromobenzene	10.45	156	14637	1.418	ug/l	99
73) n-propylbenzene	10.59	120	28871	2.676	ug/l	97
74) 2-Chlorotoluene	10.66	126	38966	4.004	ug/l	93
75) 1,3,5-Trimethylbenzene	10.77	105	156701	4.779	ug/l	100
76) 4-Chlorotoluene	10.77	126	27428	2.742	ug/l	89
77) tert-Butylbenzene	11.10	119	24342	0.745	ug/l	91
78) 1,2,4-Trimethylbenzene	11.15	105	57775	1.703	ug/l	98
79) sec-Butylbenzene	11.33	105	70466	1.647	ug/l	98
81) p-Isopropyltoluene	11.48	119	22629	0.625	ug/l	94
82) 1,3-Dichlorobenzene	11.42	146	97483	4.483	ug/l	99
83) 1,4-Dichlorobenzene	11.42	146	97483	4.491	ug/l	99
84) n-Butylbenzene	11.89	91	50570	1.444	ug/l	95
88) Hexachlorobutadiene	13.69	225	73183	8.519	ug/l	98
89) Naphthalene	13.74	128	180168	8.145	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	109376	8.269	ug/l	99
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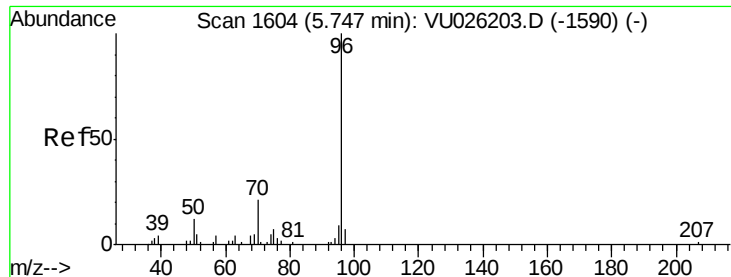
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU026214.D

Acq: 20 Aug 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 30316

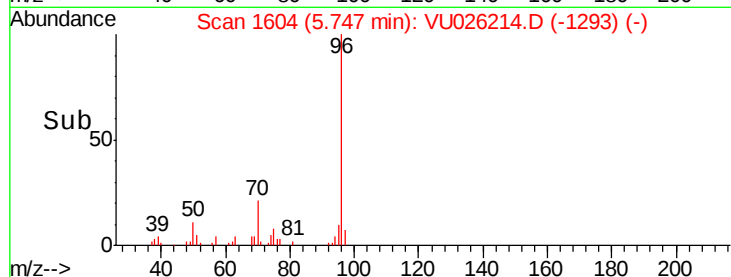
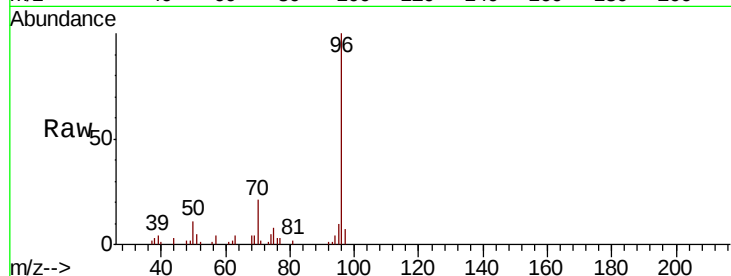
Ion Ratio Lower Upper

96 100

70 19.9 16.2 24.4

95 9.0 6.9 10.3

97 6.8 0.0 0.0#

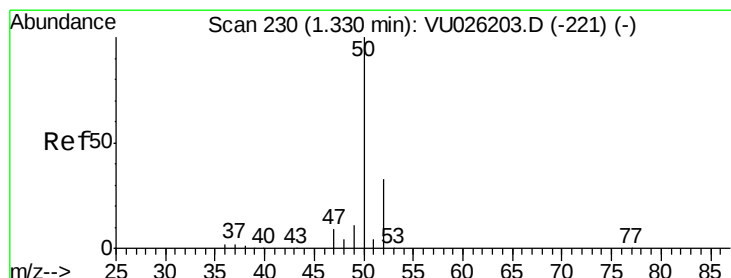
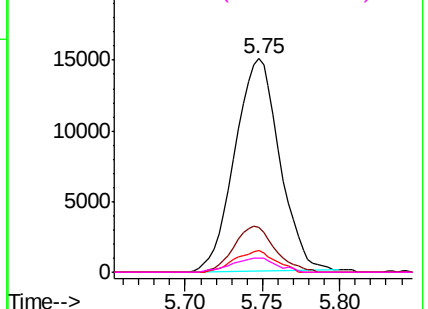


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#3

Chloromethane

Concen: 7.583 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026214.D

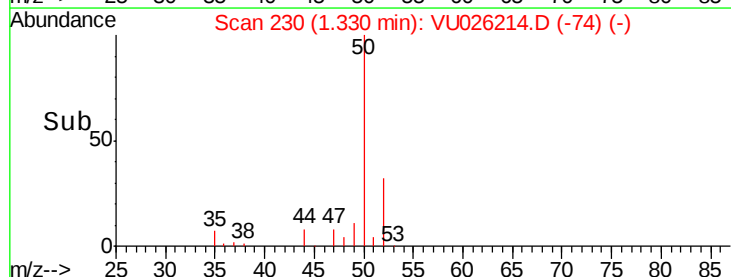
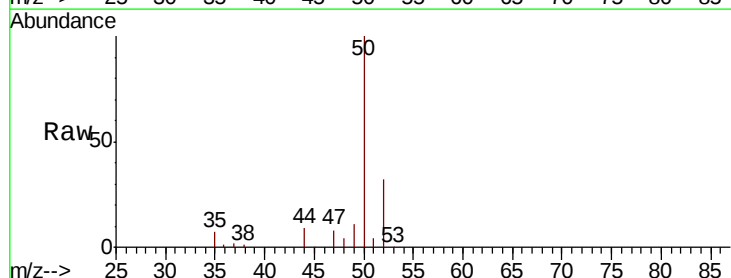
Acq: 20 Aug 2018 17:34

Tgt Ion: 50 Resp: 76328

Ion Ratio Lower Upper

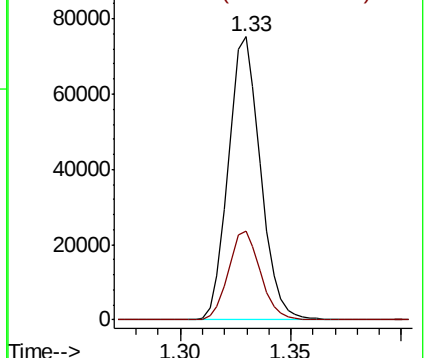
50 100

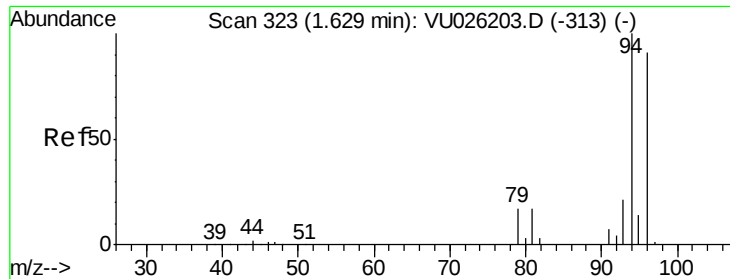
52 31.6 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Bromomethane

Concen: 4.410 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

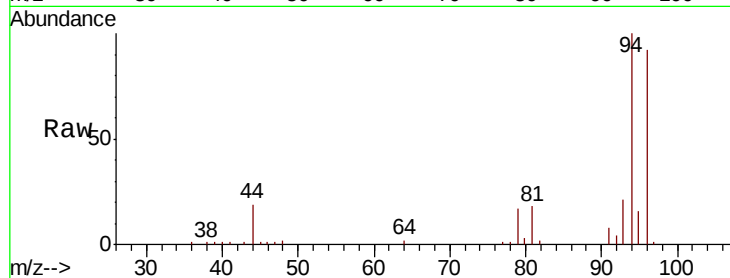
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 24401

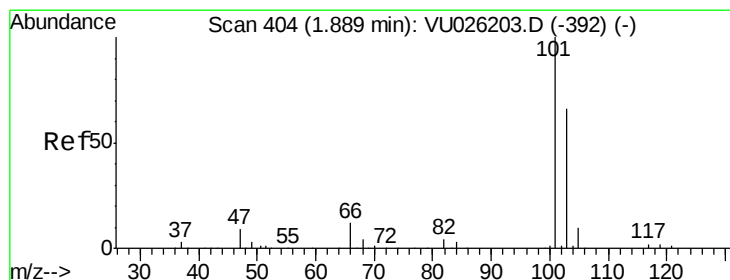
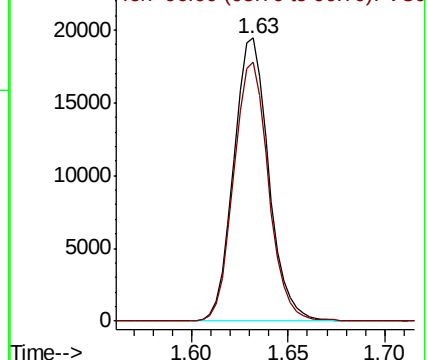
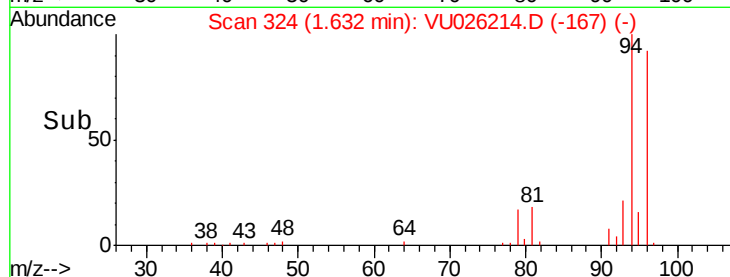
Ion Ratio Lower Upper

94 100

96 91.6 75.1 112.7



Abundance Ion 94.00 (93.70 to 94.70): VU026214.D (-167) (-)



#7

Trichlorofluoromethane

Concen: 7.424 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU026214.D

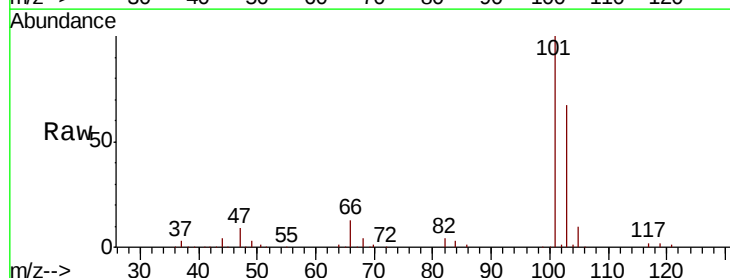
Acq: 20 Aug 2018 17:34

Tgt Ion:101 Resp: 110411

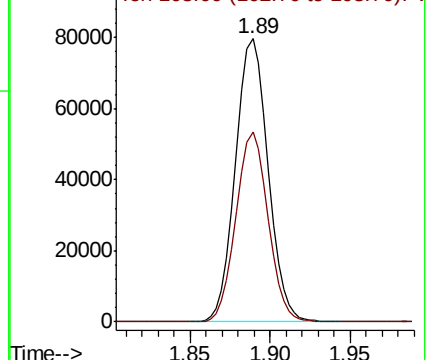
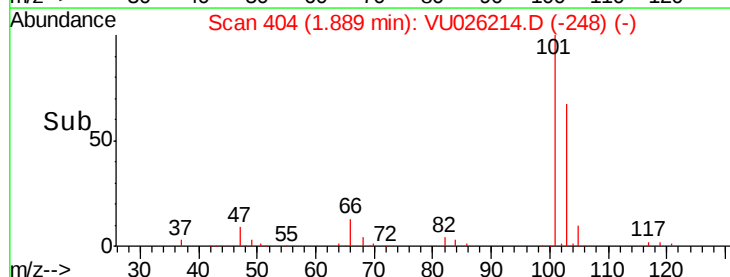
Ion Ratio Lower Upper

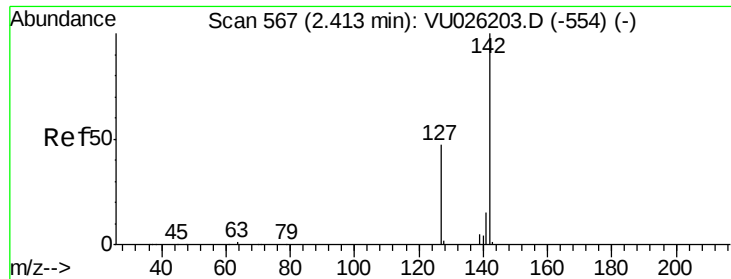
101 100

103 67.0 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU026214.D (-248) (-)





#10

Iodomethane

Concen: 0.574 ug/l

RT: 2.41 min Scan# 567

Delta R.T. -0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

Instrument :

MSVOA_U

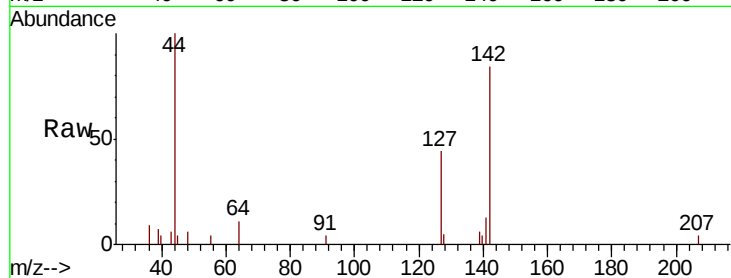
ClientSampleId :

Tot Ion:142 Resp: 3837

Ion Ratio Lower Upper

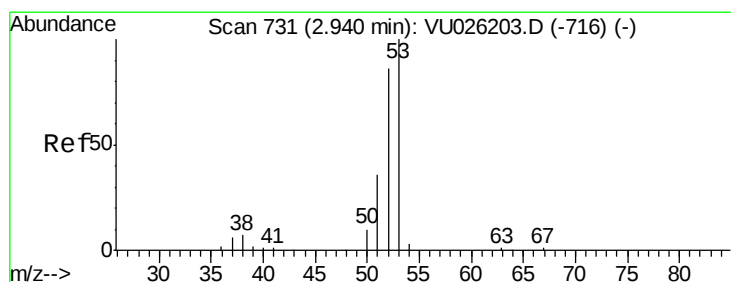
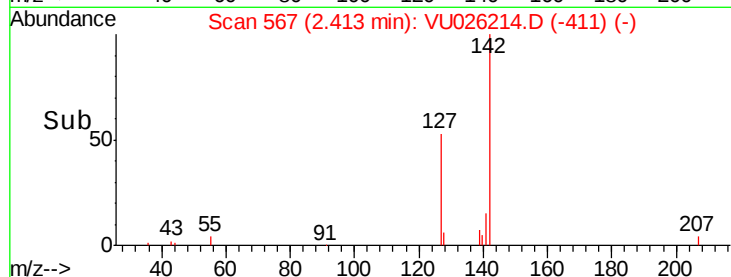
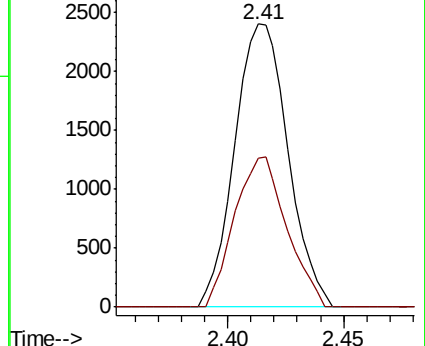
142 100

127 51.8 34.5 51.7#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V



#12

Acrylonitrile

Concen: 0.887 ug/l

RT: 3.01 min Scan# 752

Delta R.T. 0.07 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

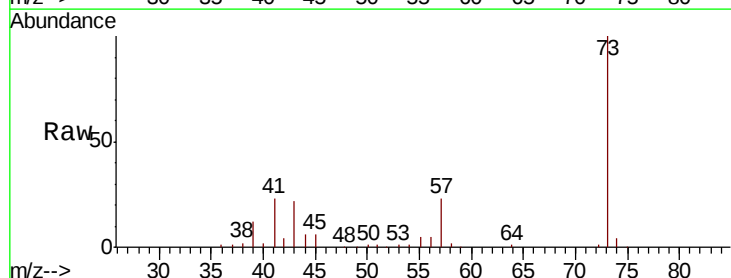
Tgt Ion: 53 Resp: 1416

Ion Ratio Lower Upper

53 100

52 10.4 65.1 97.7#

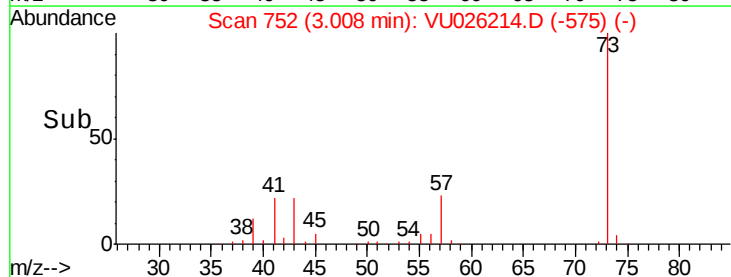
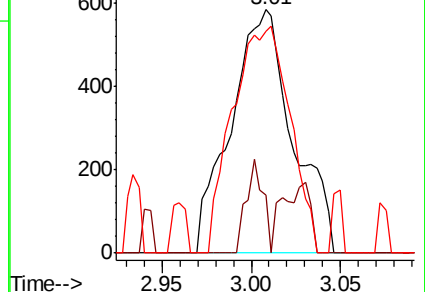
51 86.2 30.2 45.4#

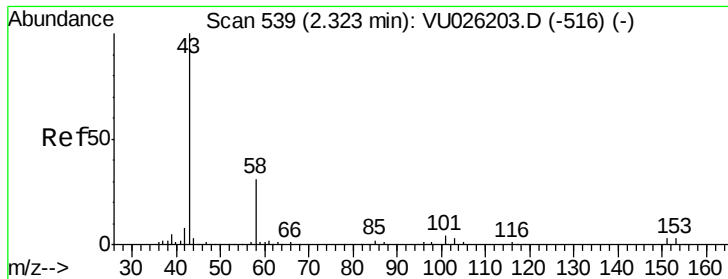


Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0





#13

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

Instrument :

MSVOA_U

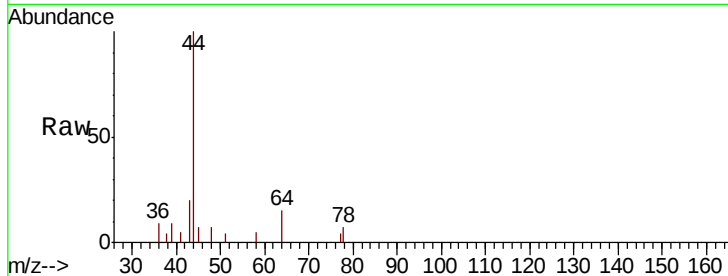
ClientSampled :

Tot Ion: 43 Resp: 1321

Ion Ratio Lower Upper

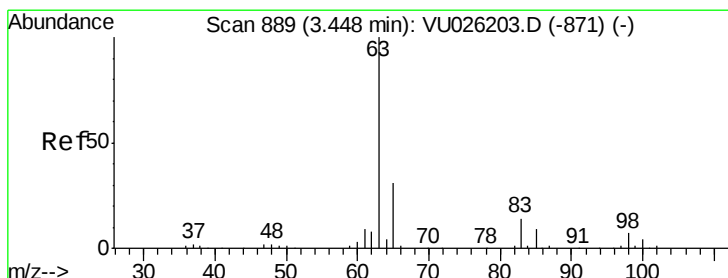
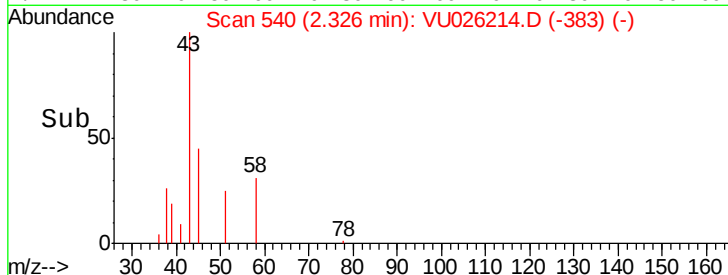
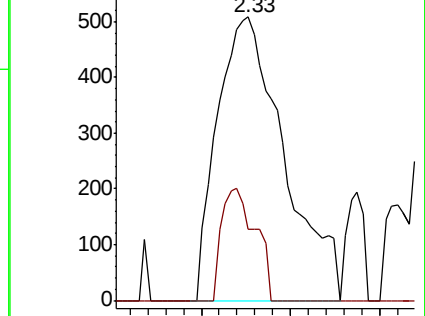
43 100

58 25.0 26.0 39.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

1,1-Dichloroethane

Concen: 3.810 ug/l

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

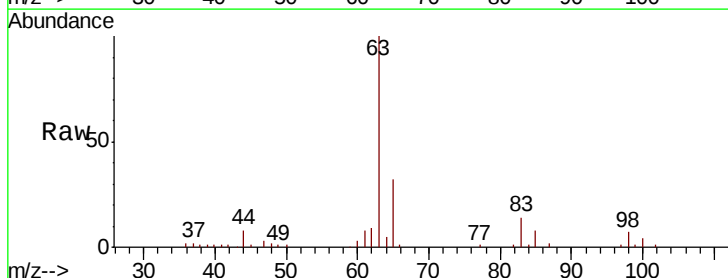
Tgt Ion: 63 Resp: 56784

Ion Ratio Lower Upper

63 100

98 7.3 2.9 8.8

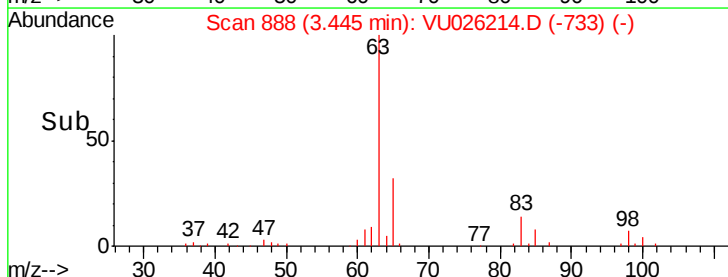
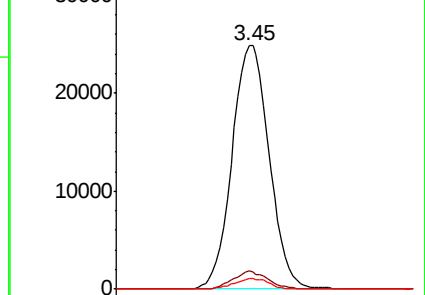
100 4.4 2.0 5.8

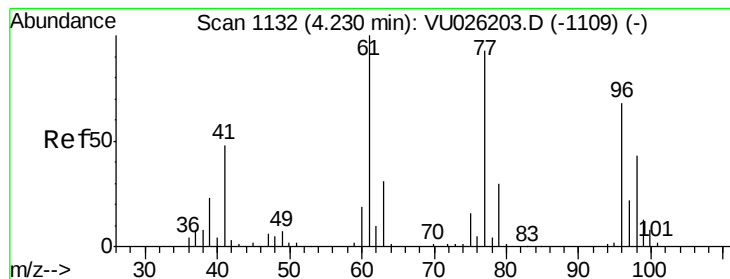


Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#21

2,2-Dichloropropane

Concen: 3.420 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

Instrument :

MSVOA_U

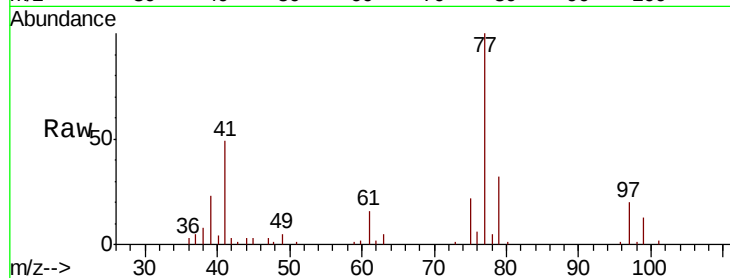
ClientSampled :

Tot Ion: 77 Resp: 52396

Ion Ratio Lower Upper

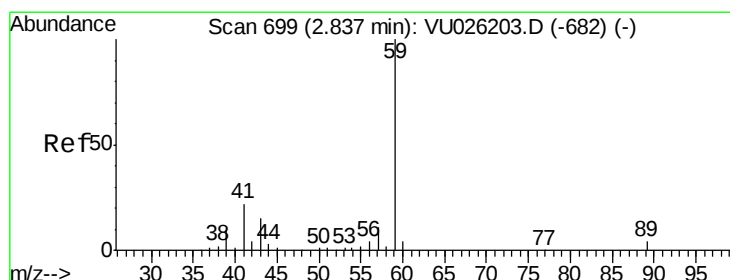
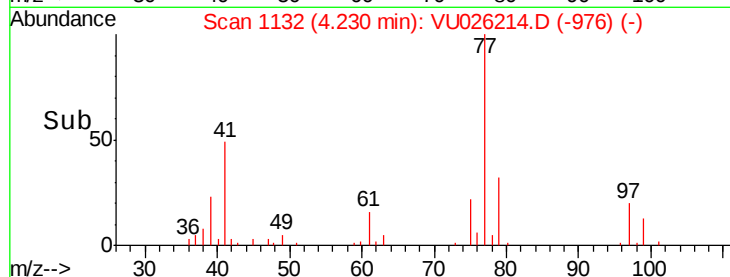
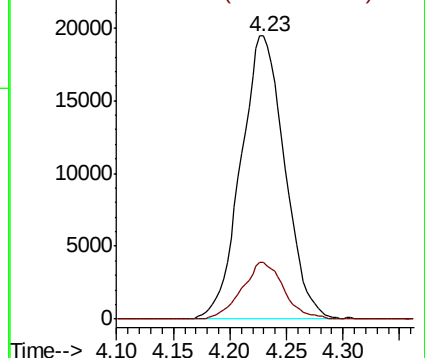
77 100

97 19.2 17.9 26.9



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#24

tert-Butyl Alcohol

Concen: 0.440 ug/l

RT: 2.83 min Scan# 696

Delta R.T. -0.01 min

Lab File: VU026214.D

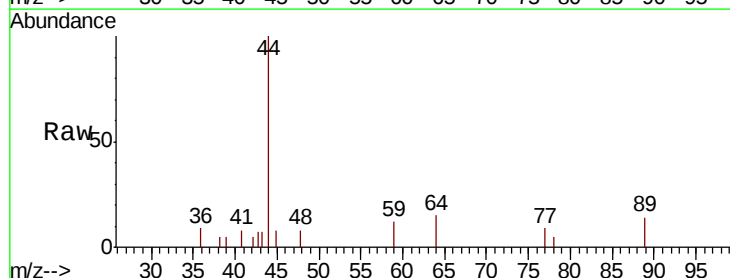
Acq: 20 Aug 2018 17:34

Tgt Ion: 59 Resp: 243

Ion Ratio Lower Upper

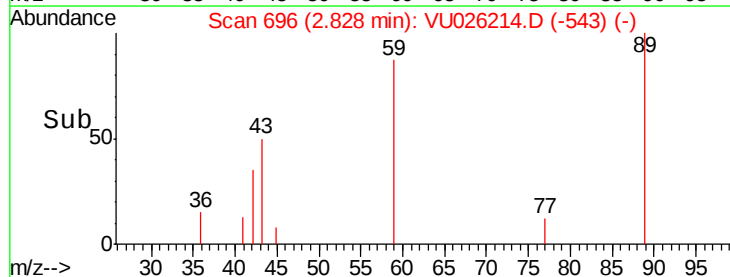
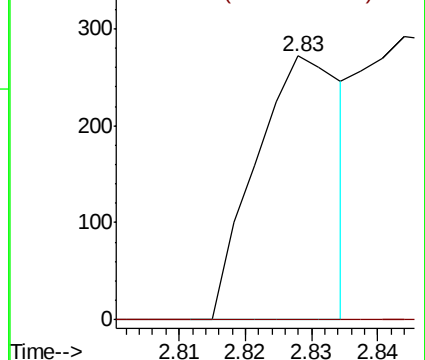
59 100

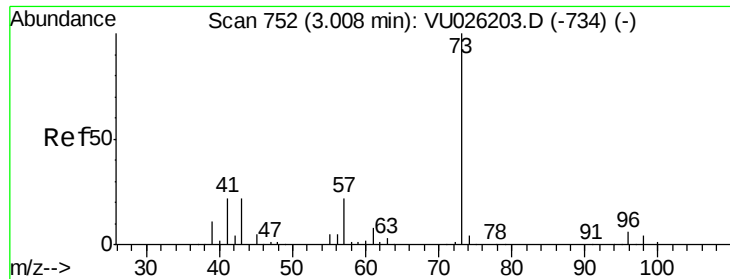
57 0.0 3.4 5.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



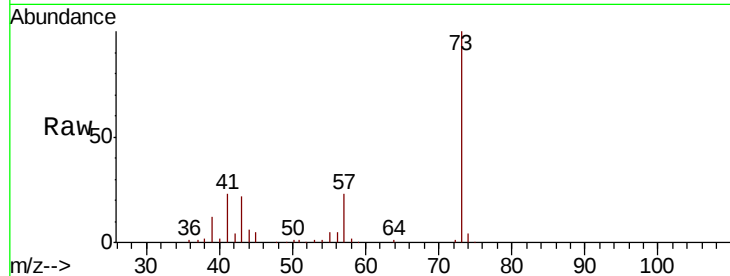


#25

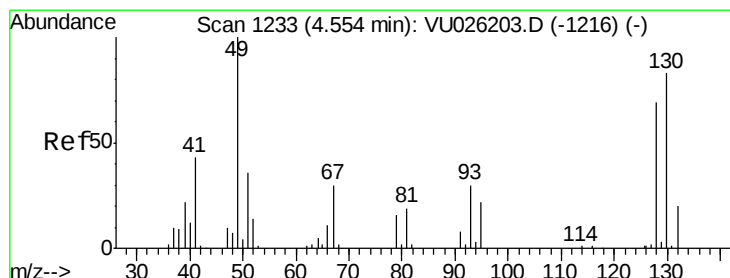
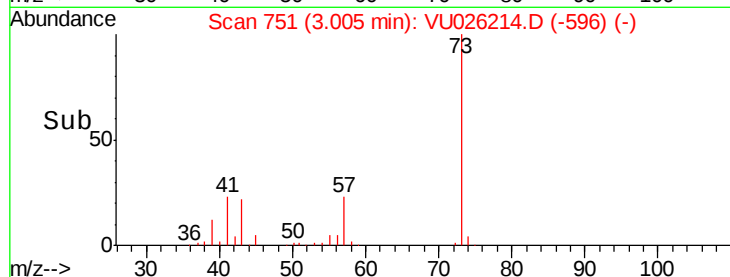
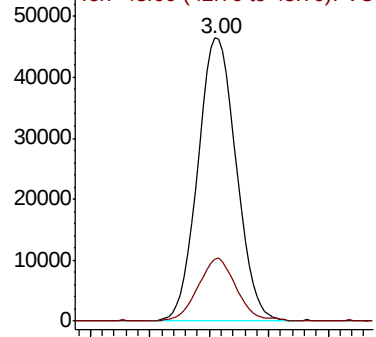
Methyl tert-Butyl Ether
 Concen: 5.663 ug/l
 RT: 3.00 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VU026214.D
 Acq: 20 Aug 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 103948
 Ion Ratio Lower Upper
 73 100
 43 22.2 16.2 24.2



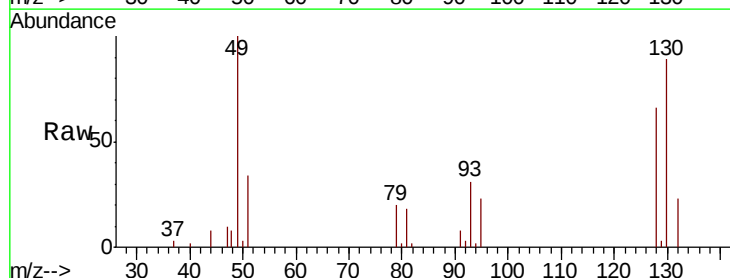
Abundance Ion 73.00 (72.70 to 73.70): VU026203.D (-734) (-)
 Ion 43.00 (42.70 to 43.70): VU026203.D (-734) (-)



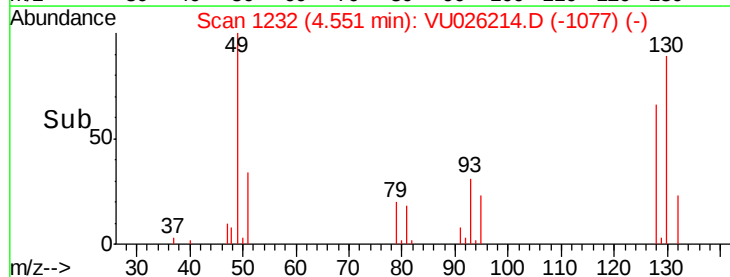
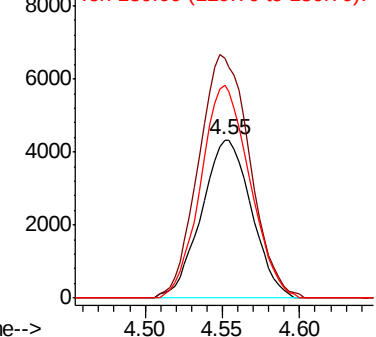
#26

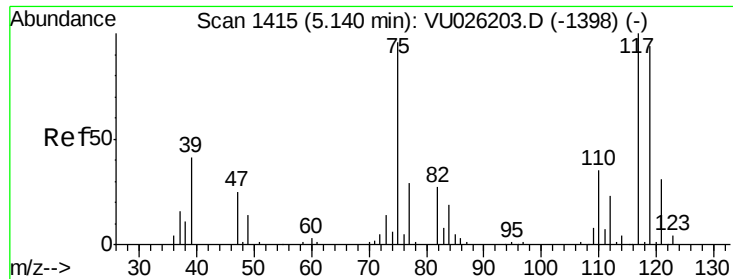
Bromochloromethane
 Concen: 2.204 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU026214.D
 Acq: 20 Aug 2018 17:34

Tgt Ion: 128 Resp: 9743
 Ion Ratio Lower Upper
 128 100
 49 158.0 0.0 375.2
 130 131.9 105.8 158.6



Abundance Ion 128.00 (127.70 to 128.70): VU026214.D (-1077) (-)
 Ion 49.00 (48.70 to 49.70): VU026214.D (-1077) (-)
 Ion 130.00 (129.70 to 130.70): VU026214.D (-1077) (-)

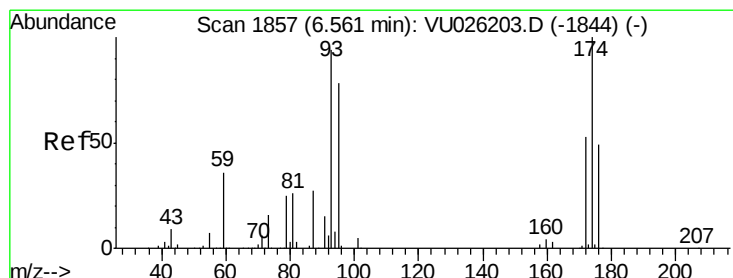
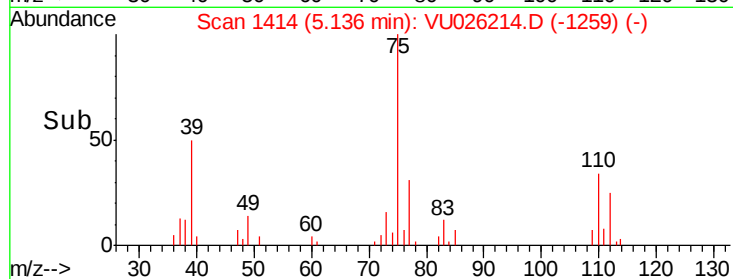
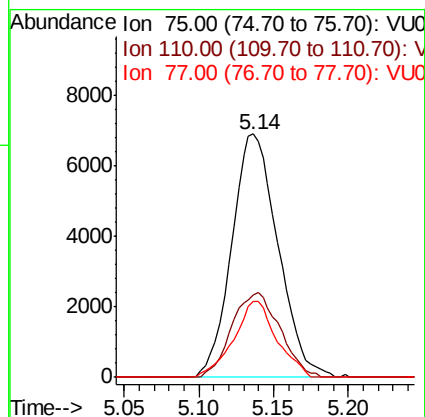
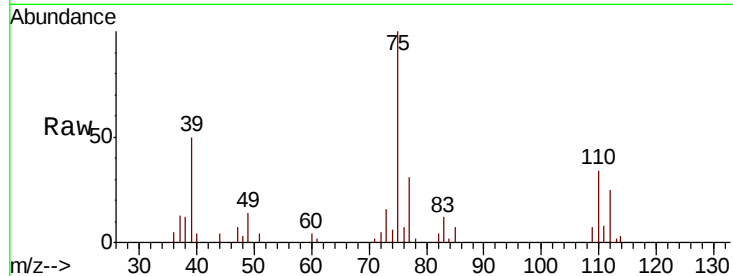




#29
 1,1-Dichloropropene
 Concen: 1.231 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU026214.D
 Acq: 20 Aug 2018 17:34

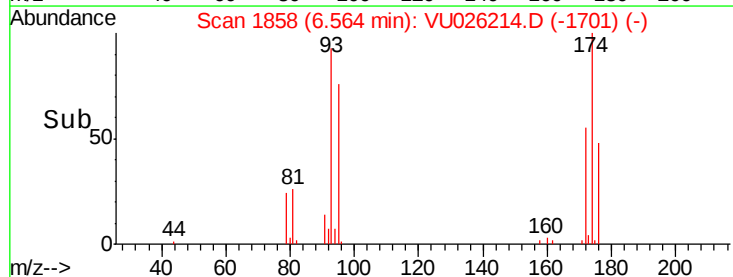
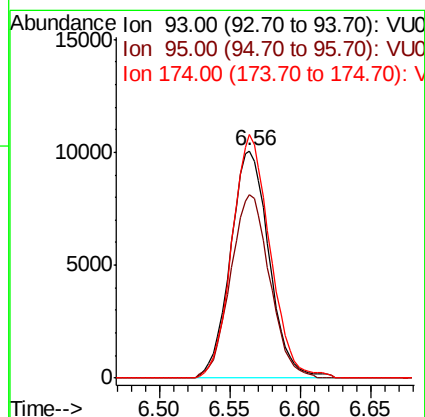
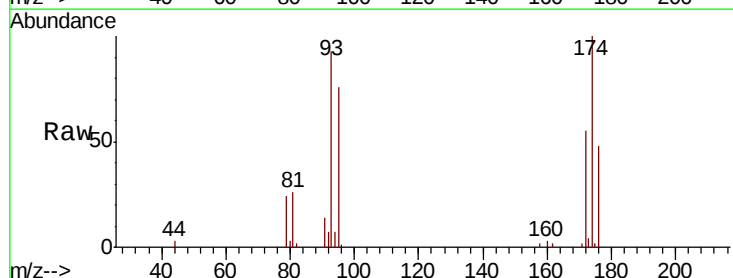
Instrument :
 MSVOA_U
 ClientSampleId :

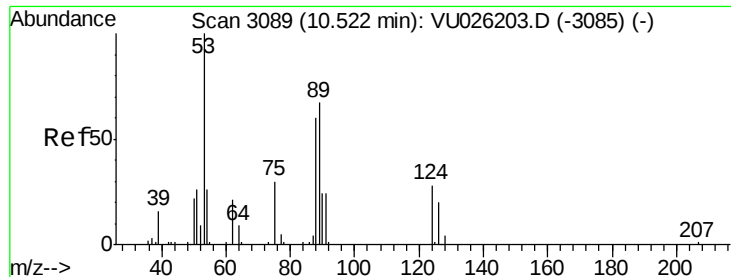
Tot Ion: 75 Resp: 14874
 Ion Ratio Lower Upper
 75 100
 110 36.1 16.9 50.7
 77 29.1 24.8 37.2



#43
 Dibromomethane
 Concen: 4.028 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU026214.D
 Acq: 20 Aug 2018 17:34

Tgt Ion: 93 Resp: 19365
 Ion Ratio Lower Upper
 93 100
 95 81.6 67.2 100.8
 174 105.2 82.8 124.2

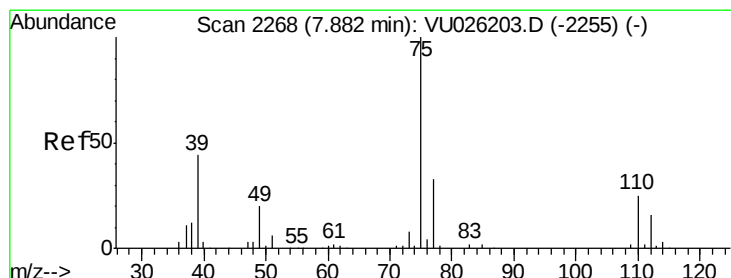
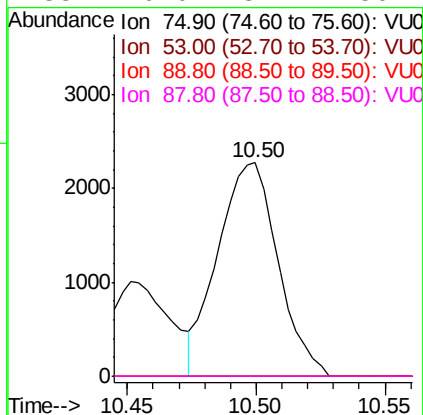
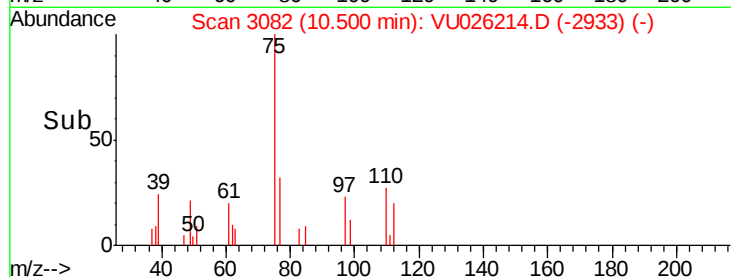
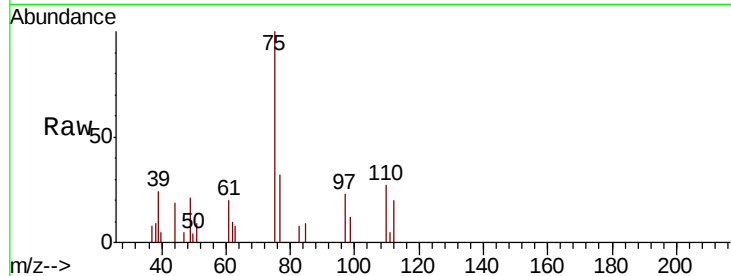




#46
t-1,4-Dichloro-2-butene
Concen: 1.951 ug/l
RT: 10.50 min Scan# 3082
Delta R.T. -0.02 min
Lab File: VU026214.D
Acq: 20 Aug 2018 17:34

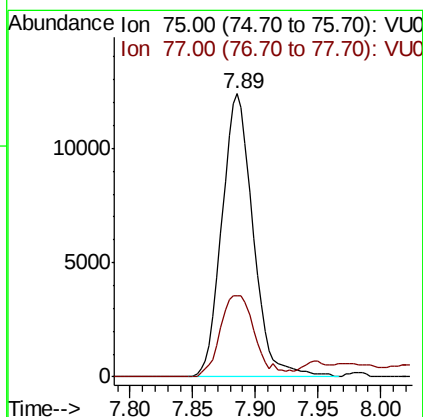
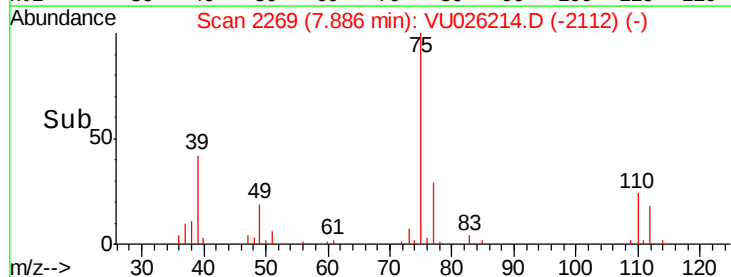
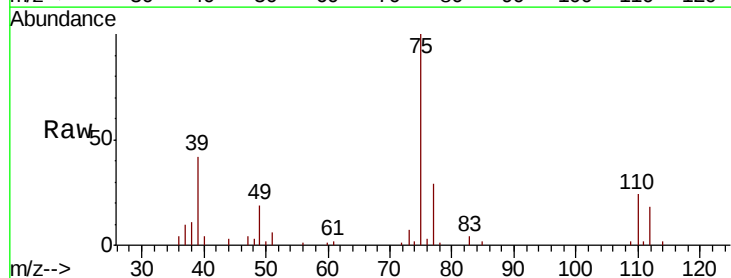
Instrument :
MSVOA_U
ClientSampleId :

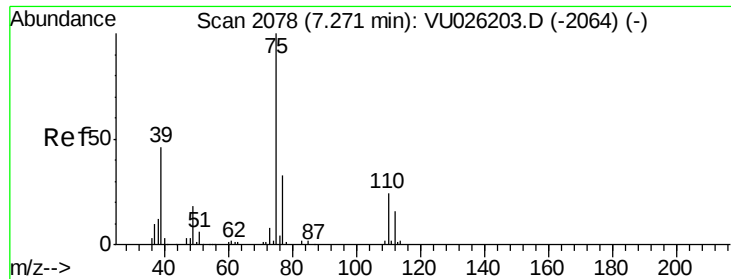
Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	82.2	123.4#
89	0.0	51.3	76.9#
88	0.0	37.4	56.2#



#50
t-1,3-Dichloropropene
Concen: 2.019 ug/l
RT: 7.89 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VU026214.D
Acq: 20 Aug 2018 17:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.8	25.2	37.8



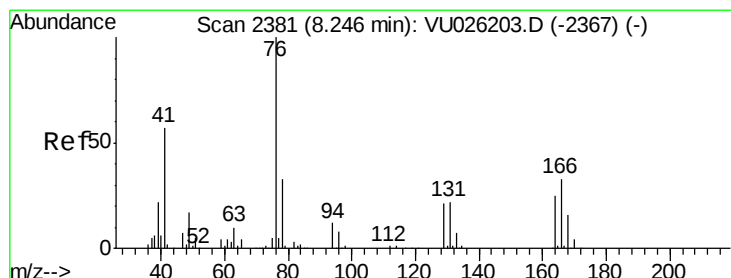
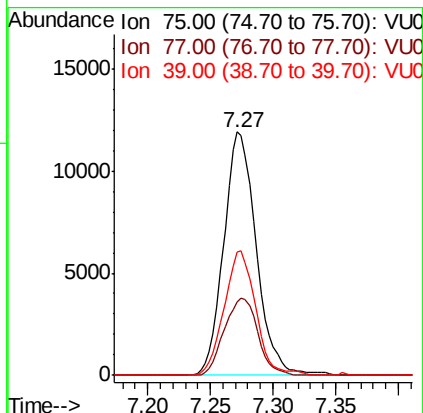
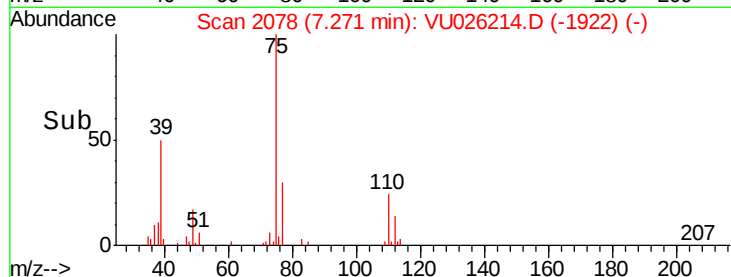
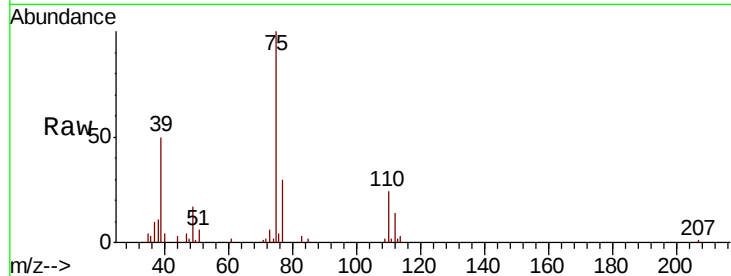


#51

cis-1,3-Dichloropropene
 Concen: 1.746 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026214.D
 Acq: 20 Aug 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleId :

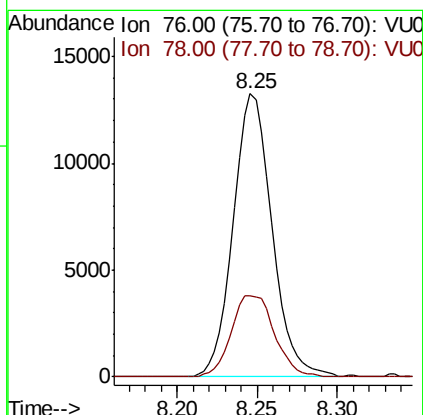
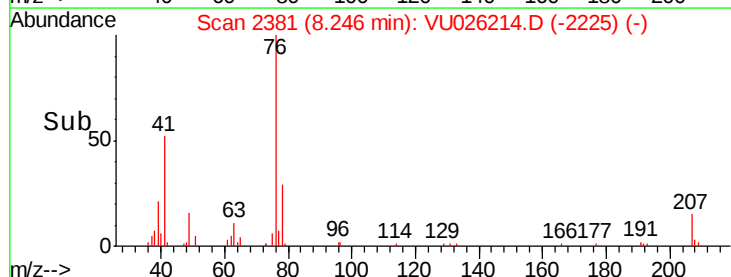
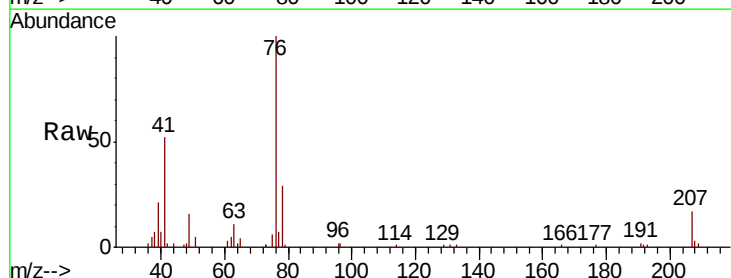
Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.2	37.8
39	50.5	36.4	54.6

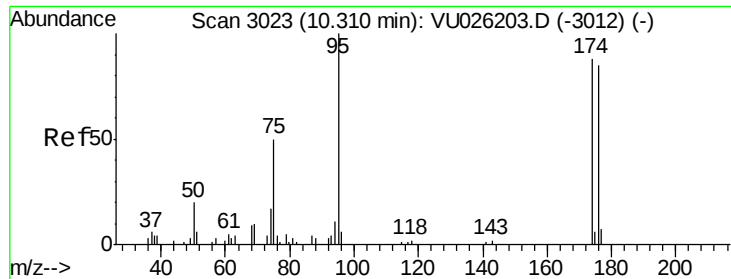


#53

1,3-Dichloropropane
 Concen: 2.021 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU026214.D
 Acq: 20 Aug 2018 17:34

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.0	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: VU026214.D

Acq: 20 Aug 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

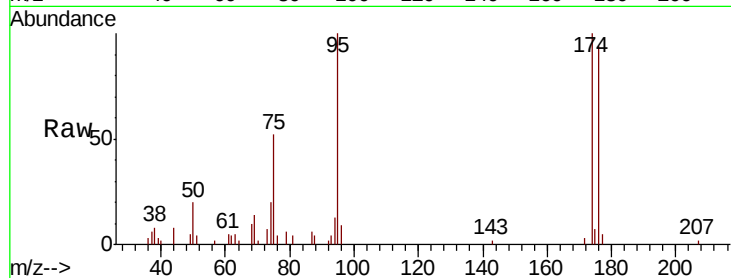
Tot Ion: 95 Resp: 9797

Ion Ratio Lower Upper

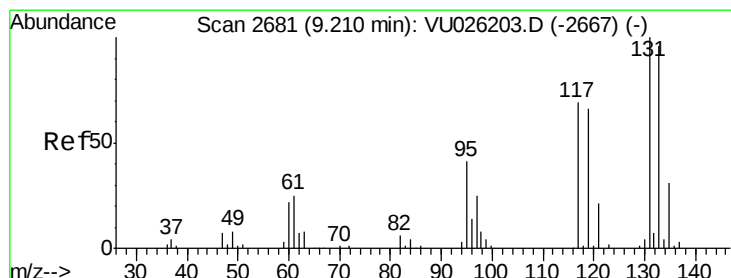
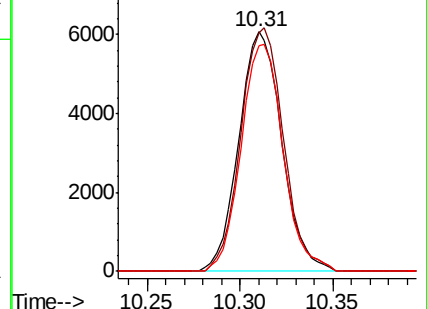
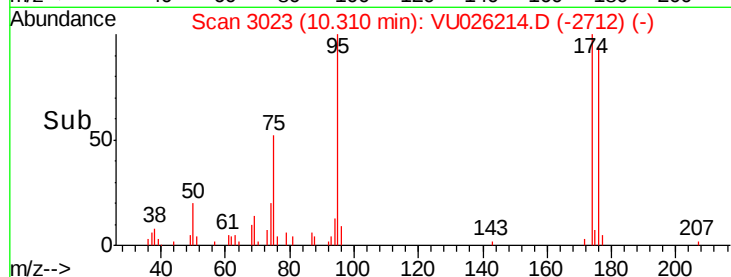
95 100

174 100.8 65.6 98.4#

176 92.4 62.0 93.0



Abundance Ion 95.00 (94.70 to 95.70): VU026214.D (-2712) (-)



#60

1,1,1,2-Tetrachloroethane

Concen: 2.006 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

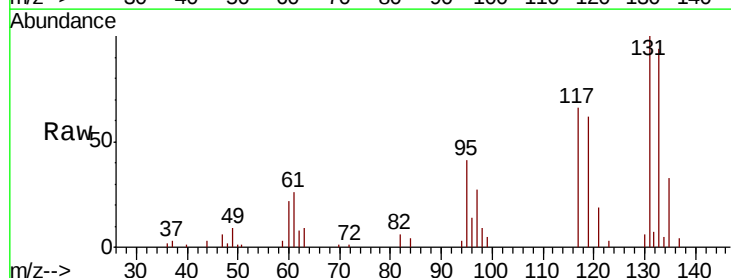
Tgt Ion: 131 Resp: 18483

Ion Ratio Lower Upper

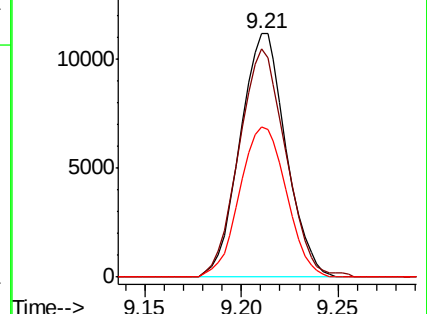
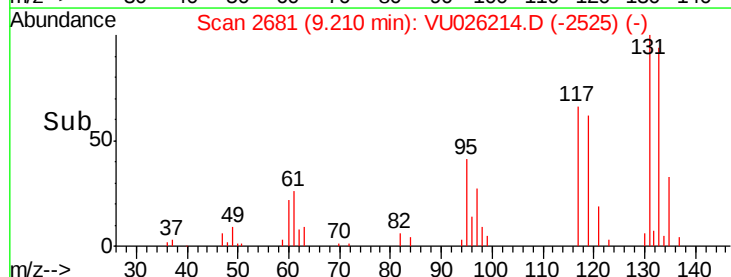
131 100

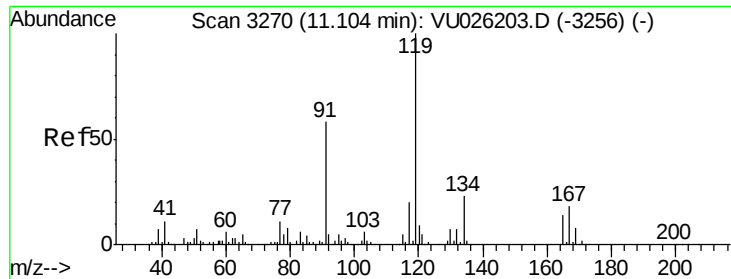
133 95.5 75.8 113.8

119 62.6 53.0 79.6



Abundance Ion 131.00 (130.70 to 131.70): VU026214.D (-2525) (-)





#61

Pentachloroethane

Concen: 0.283 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

Instrument :

MSVOA_U

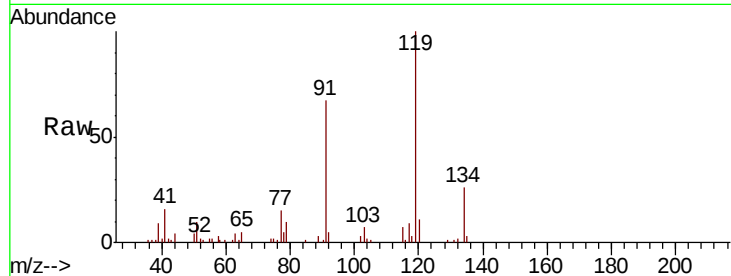
ClientSampleId :

Tot Ion:117 Resp: 2222

Ion Ratio Lower Upper

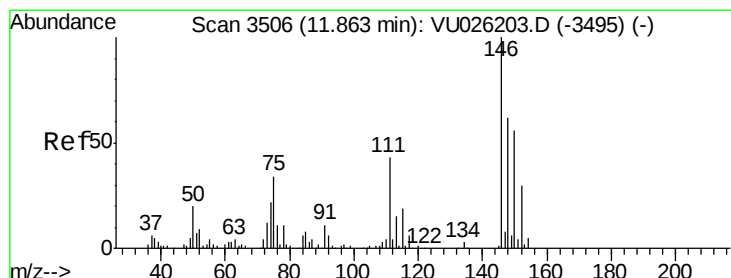
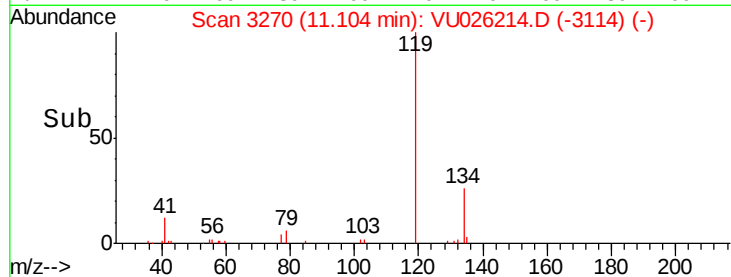
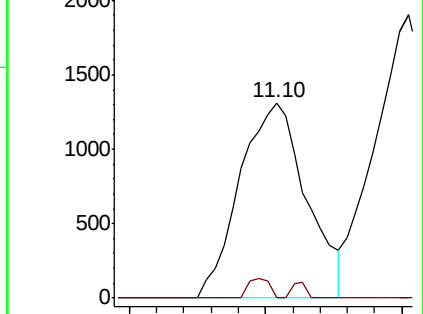
117 100

167 3.2 69.2 103.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): 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: VU026214.D

Acq: 20 Aug 2018 17:34

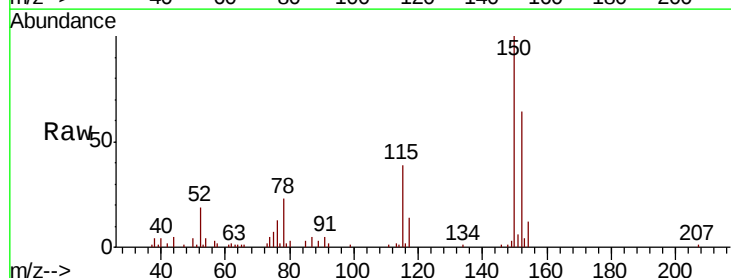
Tgt Ion:152 Resp: 13233

Ion Ratio Lower Upper

152 100

115 73.4 0.0 118.8

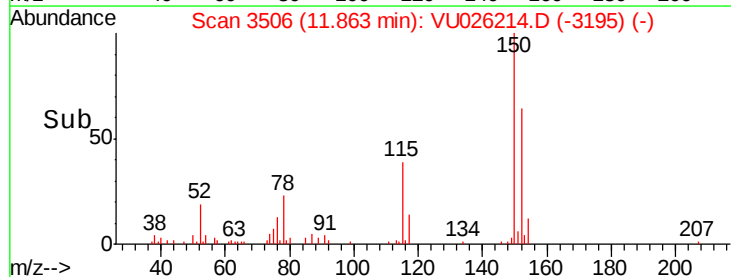
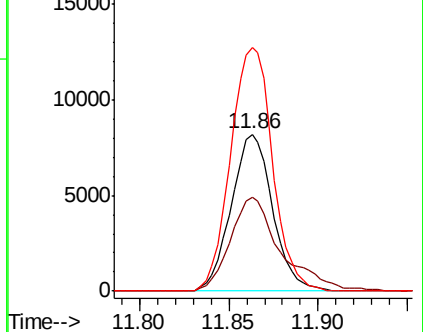
150 157.5 0.0 0.0#

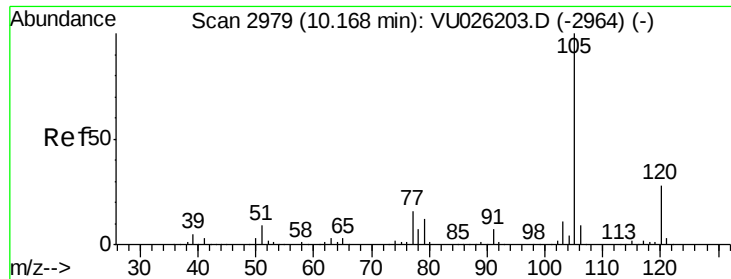


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.711 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

Instrument :

MSVOA_U

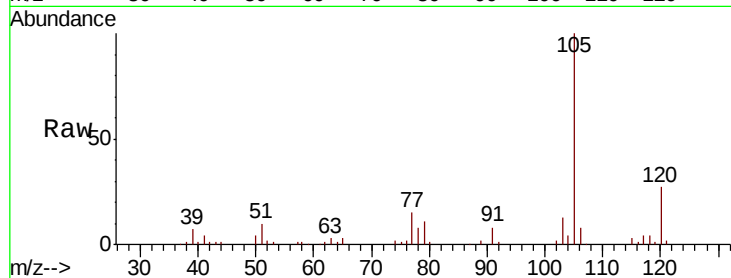
ClientSampleId :

Tot Ion:105 Resp: 63106

Ion Ratio Lower Upper

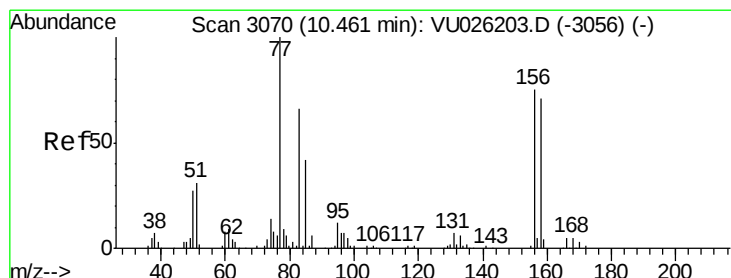
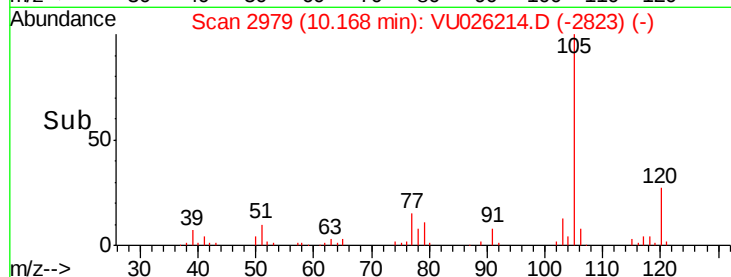
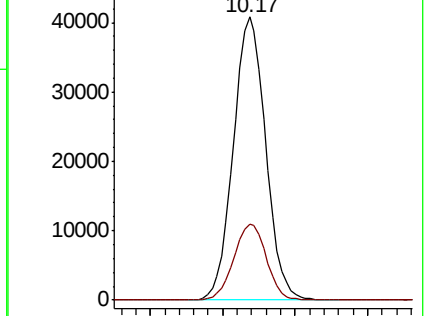
105 100

120 26.9 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: 3.611 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

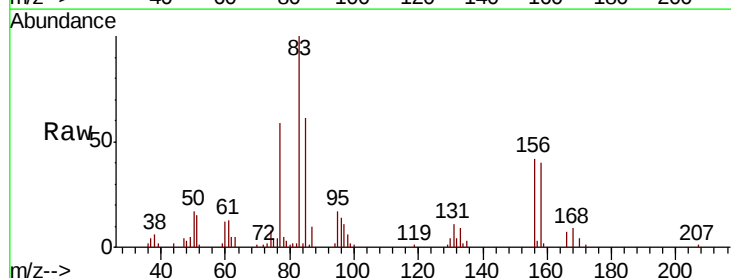
Tgt Ion: 83 Resp: 29533

Ion Ratio Lower Upper

83 100

131 10.9 7.9 11.9

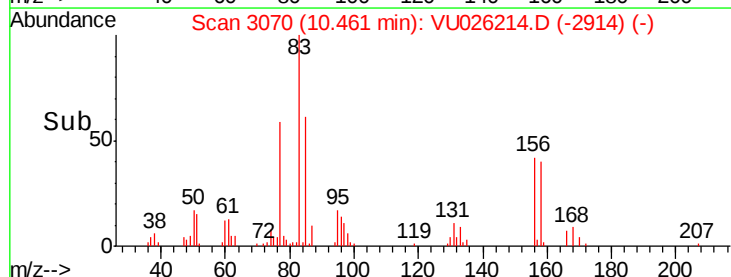
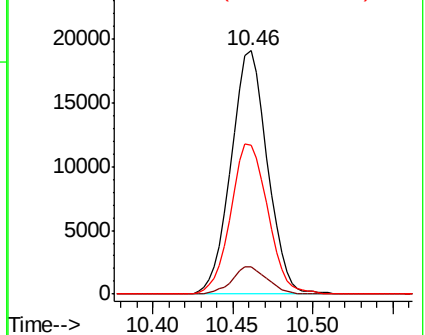
85 63.0 51.8 77.6

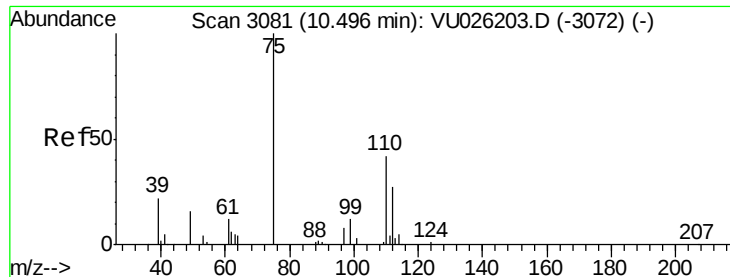


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

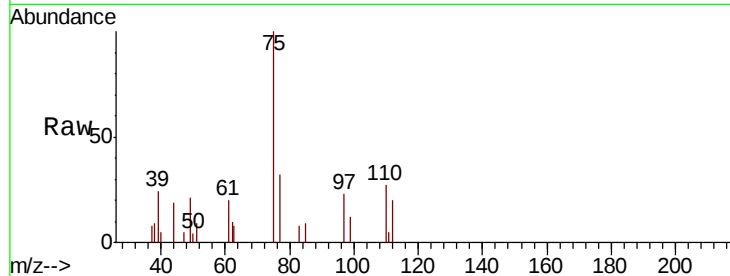




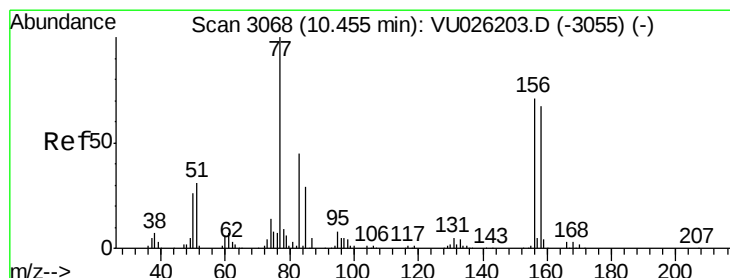
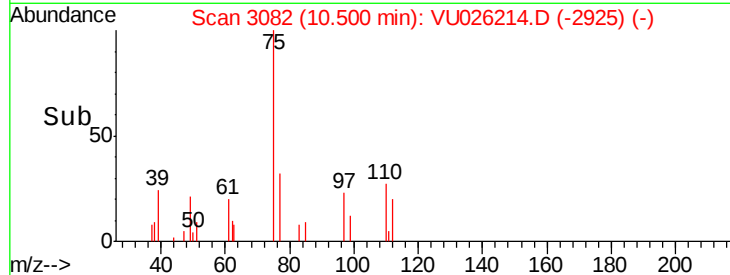
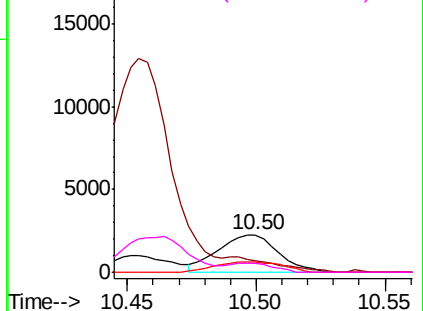
#71
 1,2,3-Trichloropropane
 Concen: 0.629 ug/l
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU026214.D
 Acq: 20 Aug 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	75	Resp:	3681
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	30.9	0.0	74.0
97	17.0	0.0	39.6

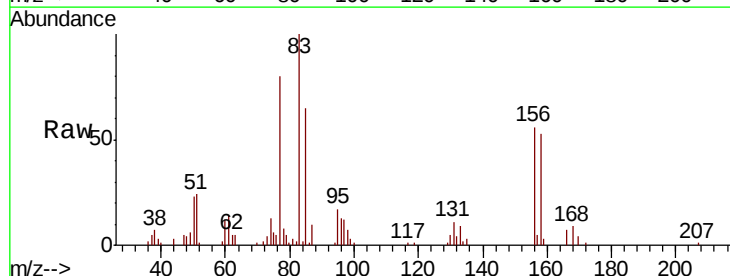


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 97.00 (96.70 to 97.70): VU0

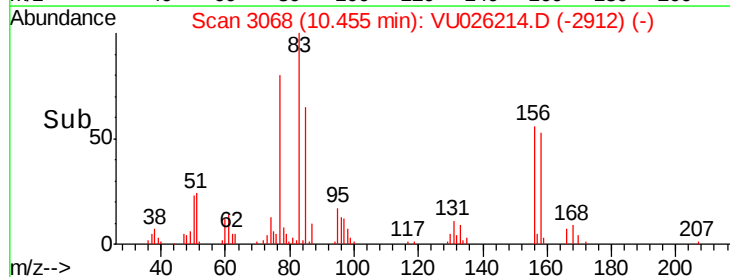
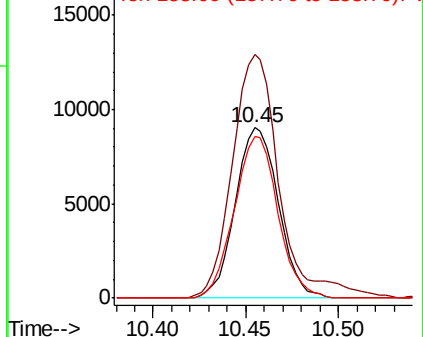


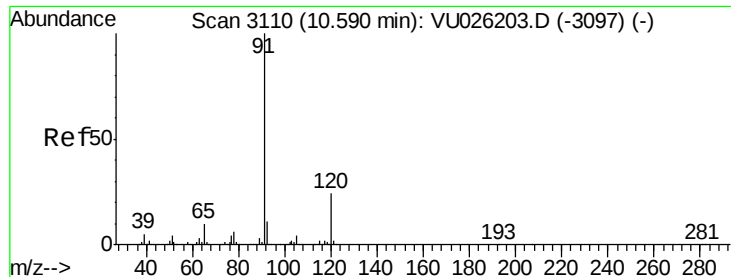
#72
 Bromobenzene
 Concen: 1.418 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU026214.D
 Acq: 20 Aug 2018 17:34

Tgt Ion:	156	Resp:	14637
Ion	Ratio	Lower	Upper
156	100		
77	156.0	0.0	309.8
158	95.7	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: 2.676 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

Instrument :

MSVOA_U

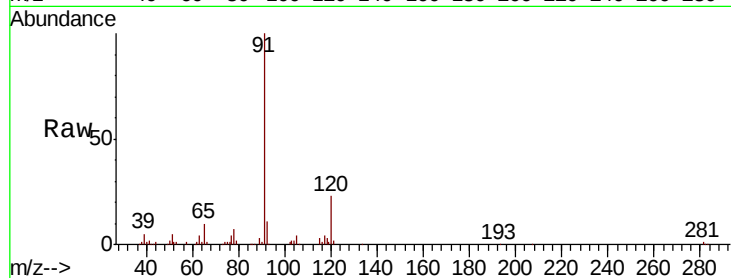
ClientSampleId :

Tot Ion:120 Resp: 28871

Ion Ratio Lower Upper

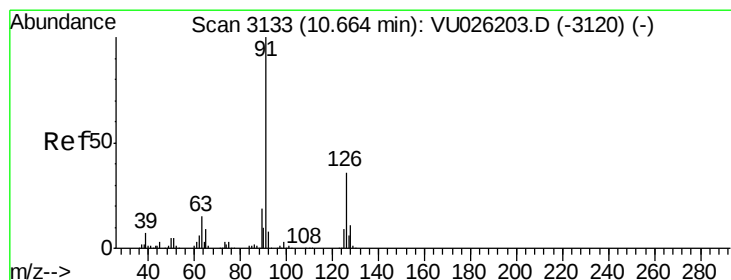
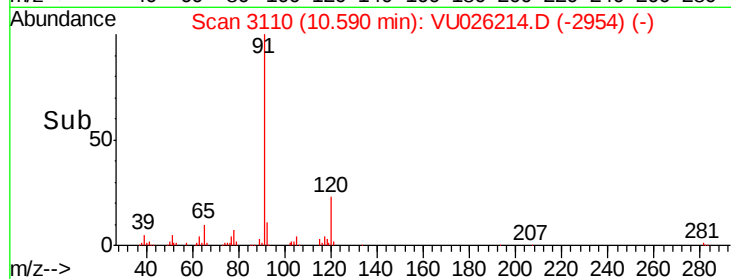
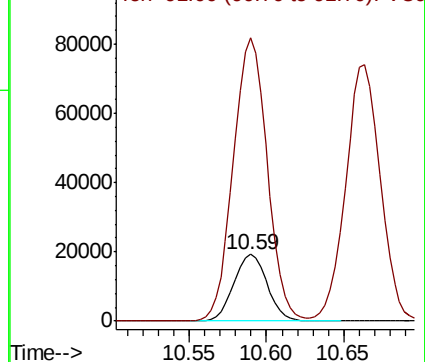
120 100

91 432.1 352.2 528.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 4.004 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU026214.D

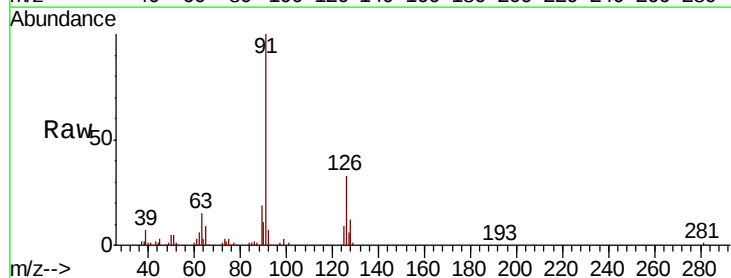
Acq: 20 Aug 2018 17:34

Tgt Ion:126 Resp: 38966

Ion Ratio Lower Upper

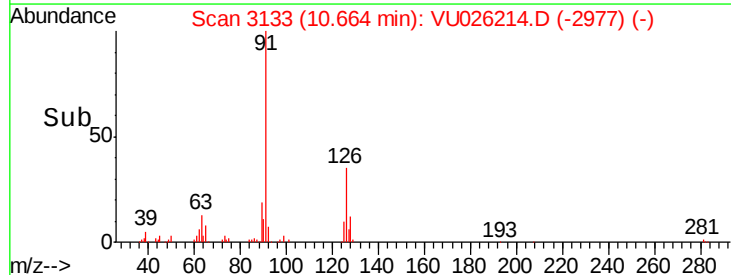
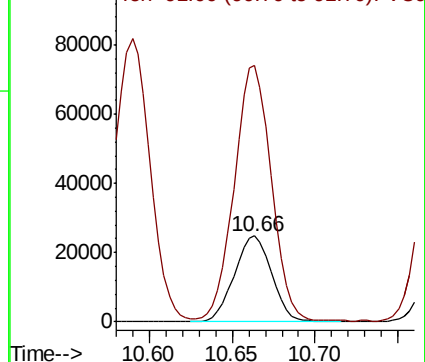
126 100

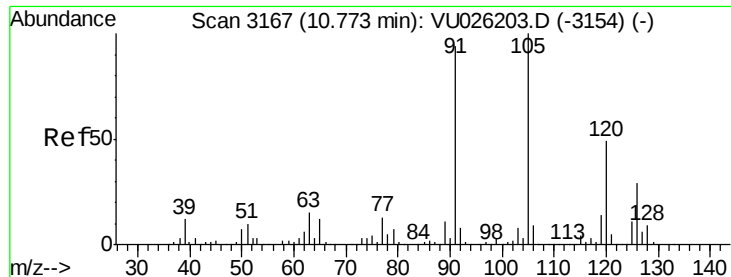
91 292.8 0.0 613.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 4.779 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

Instrument :

MSVOA_U

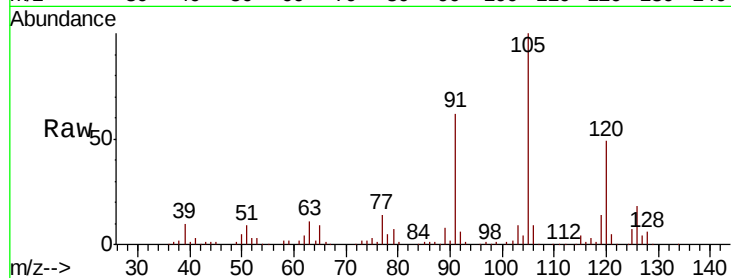
ClientSampled :

Tot Ion:105 Resp: 156701

Ion Ratio Lower Upper

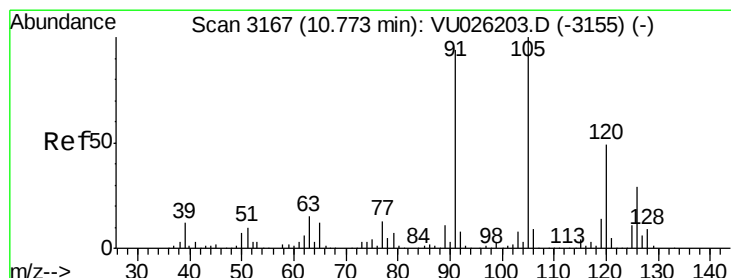
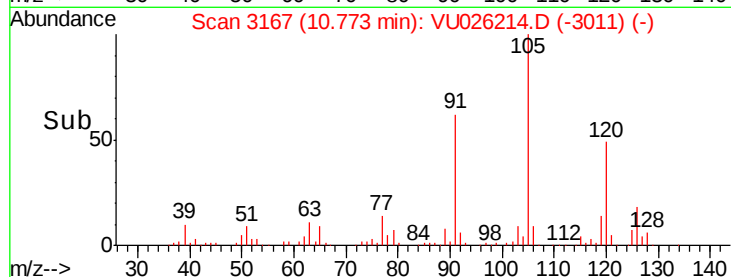
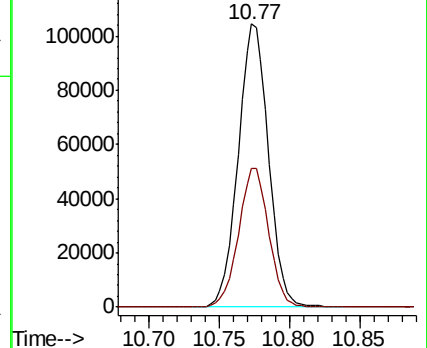
105 100

120 49.0 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 2.742 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026214.D

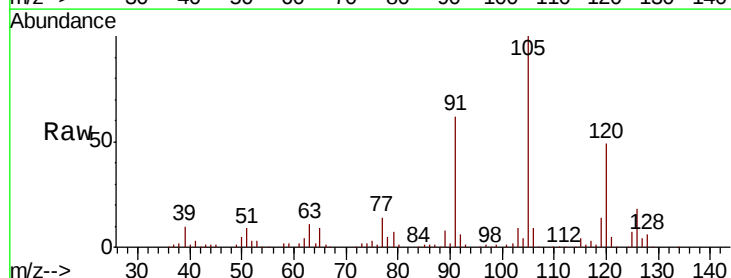
Acq: 20 Aug 2018 17:34

Tgt Ion:126 Resp: 27428

Ion Ratio Lower Upper

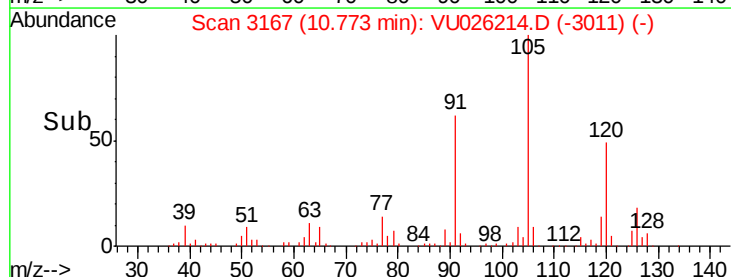
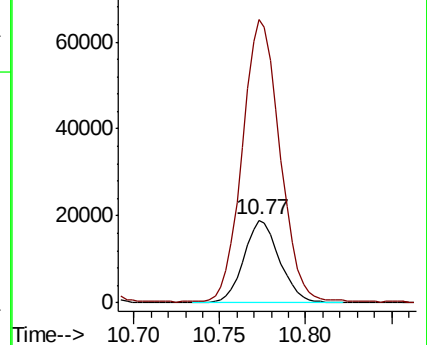
126 100

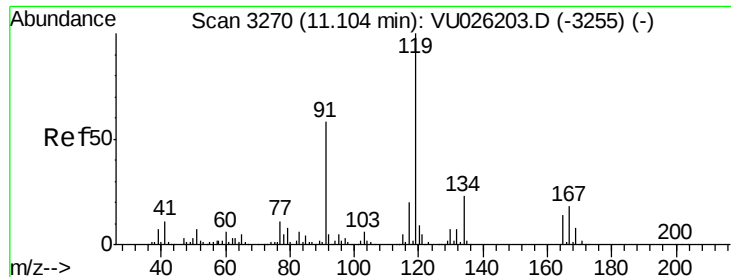
91 357.0 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.745 ug/l

RT: 11.10 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

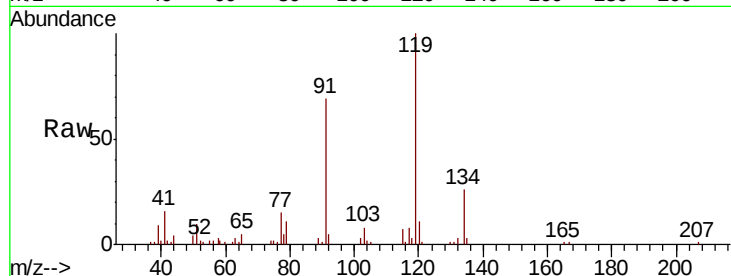
Tot Ion:119 Resp: 24342

Ion Ratio Lower Upper

119 100

91 68.0 29.6 88.8

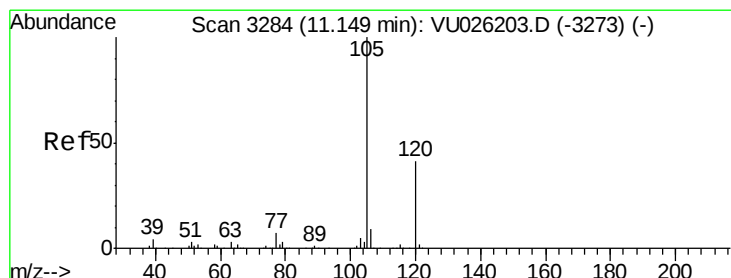
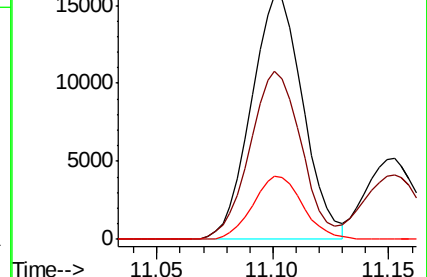
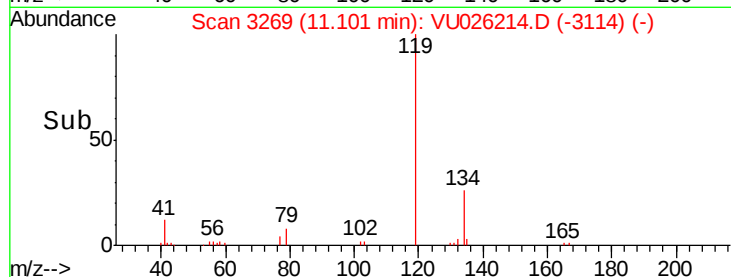
134 24.9 19.1 28.7



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



#78

1,2,4-Trimethylbenzene

Concen: 1.703 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU026214.D

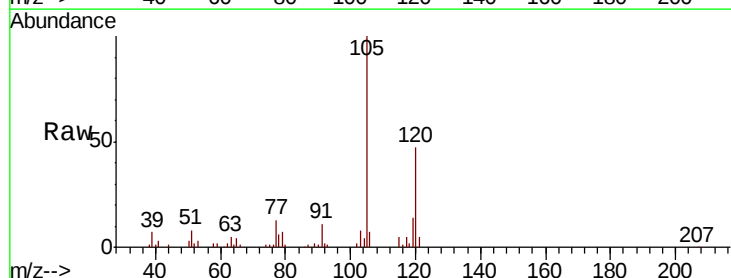
Acq: 20 Aug 2018 17:34

Tgt Ion:105 Resp: 57775

Ion Ratio Lower Upper

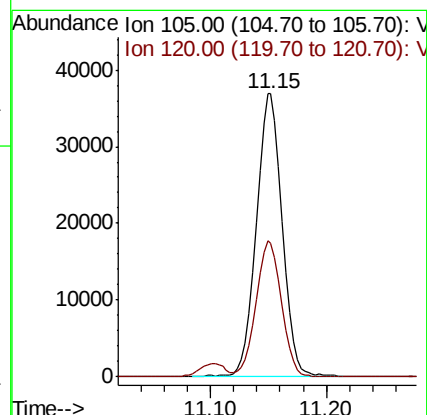
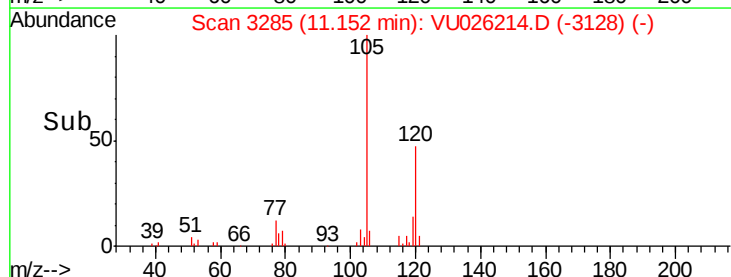
105 100

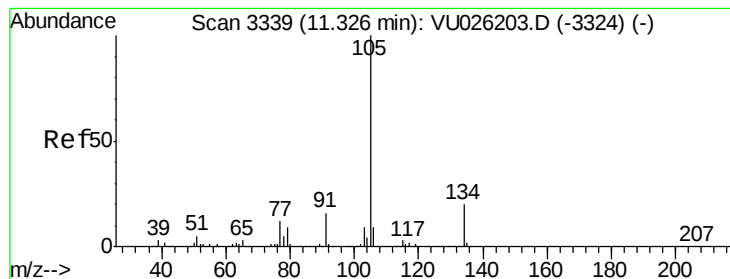
120 47.3 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 1.647 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

Instrument :

MSVOA_U

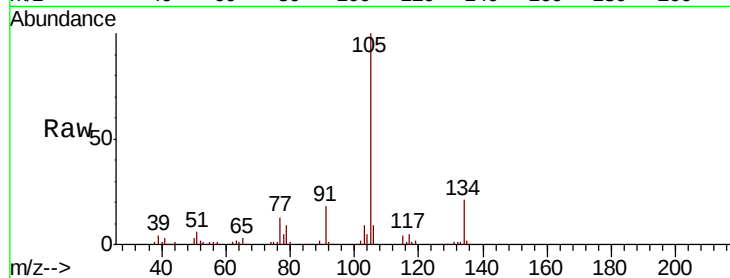
ClientSampleId :

Tot Ion:105 Resp: 70466

Ion Ratio Lower Upper

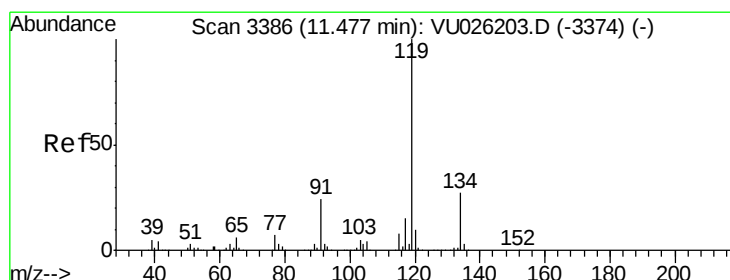
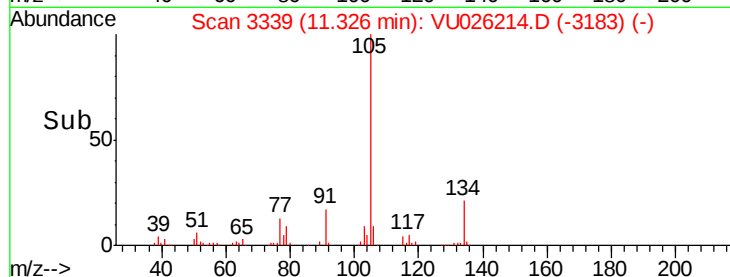
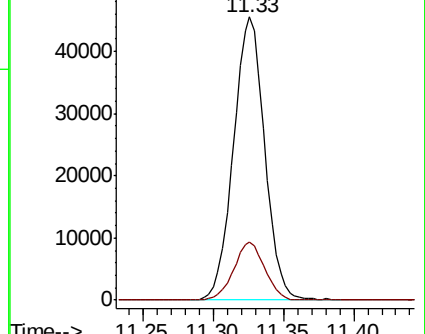
105 100

134 20.3 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: 0.625 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

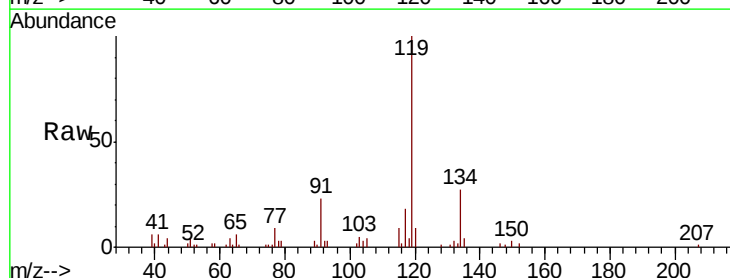
Tgt Ion:119 Resp: 22629

Ion Ratio Lower Upper

119 100

134 28.2 20.9 31.3

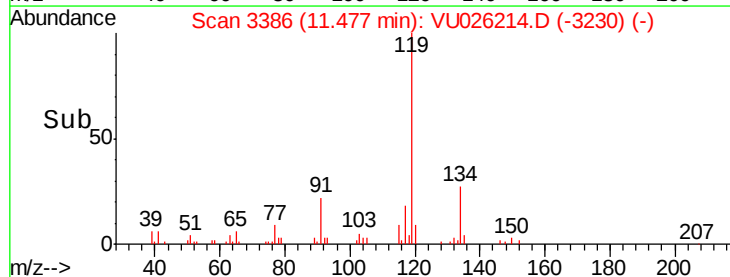
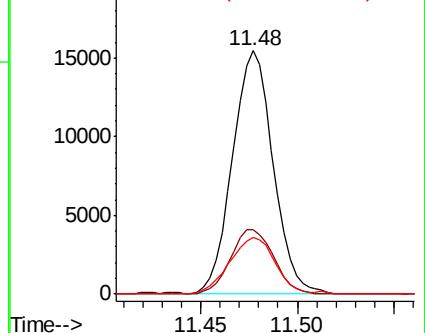
91 26.4 18.2 27.2

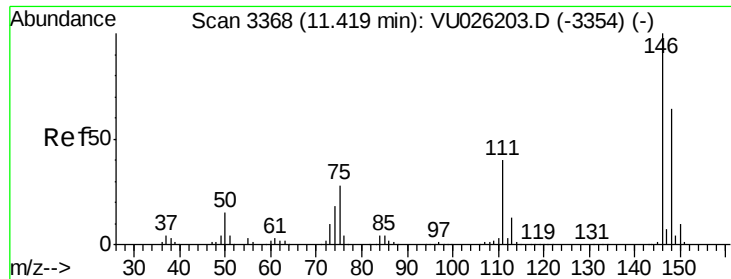


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#82

1,3-Dichlorobenzene

Concen: 4.483 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

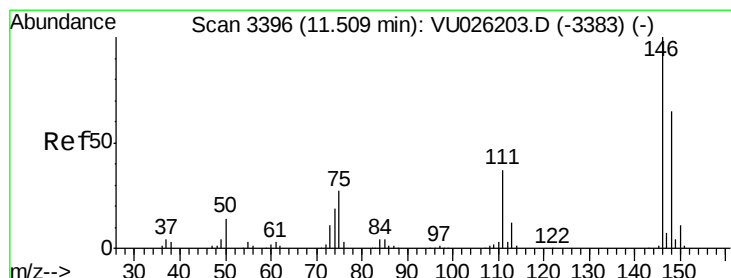
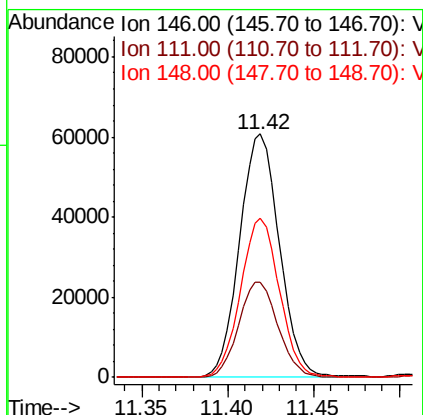
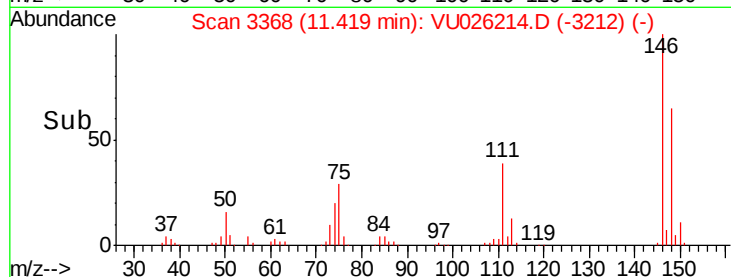
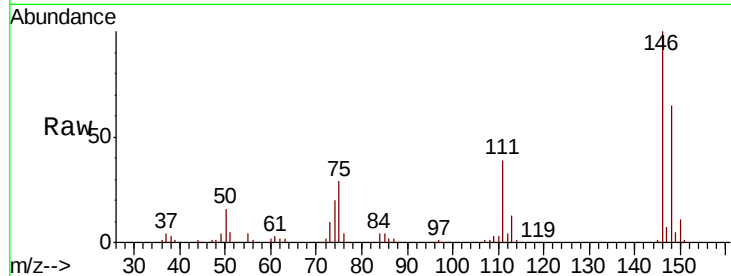
Tot Ion:146 Resp: 97483

Ion Ratio Lower Upper

146 100

111 38.8 31.8 47.6

148 63.9 51.0 76.4



#83

1,4-Dichlorobenzene

Concen: 4.491 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. -0.09 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

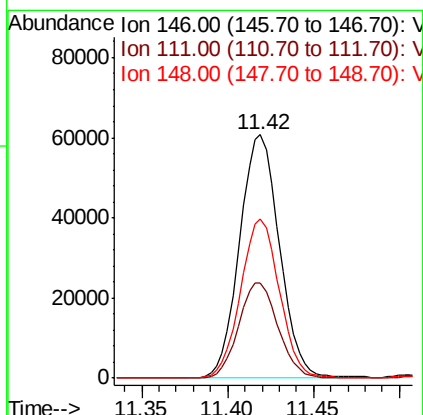
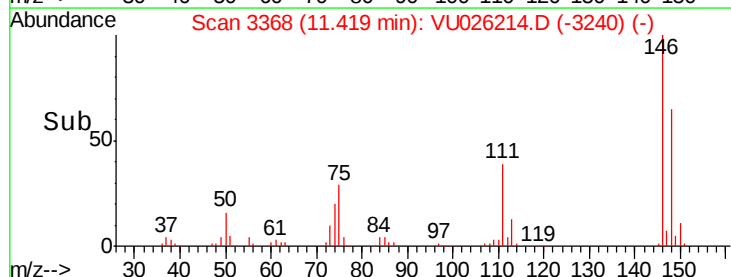
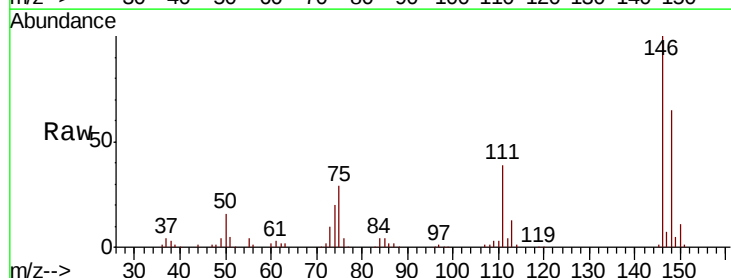
Tgt Ion:146 Resp: 97483

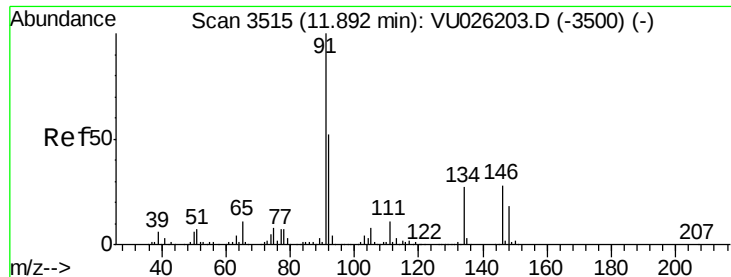
Ion Ratio Lower Upper

146 100

111 38.8 30.1 45.1

148 63.9 50.6 76.0





#84

n-Butylbenzene

Concen: 1.444 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

Instrument :

MSVOA_U

ClientSampled :

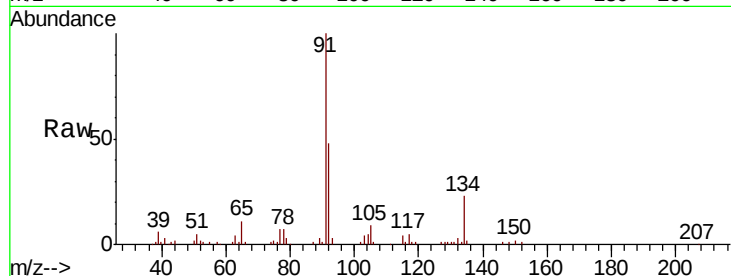
Tot Ion: 91 Resp: 50570

Ion Ratio Lower Upper

91 100

92 48.9 42.2 63.2

134 22.7 20.3 30.5

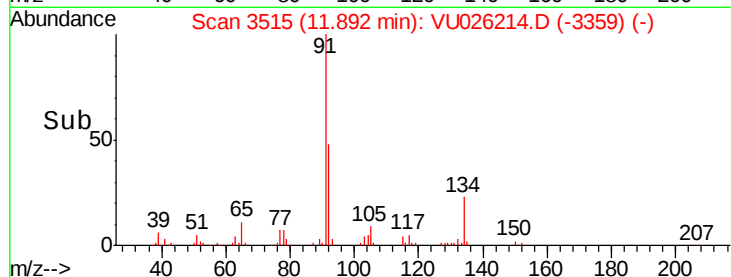


Abundance Ion 91.00 (90.70 to 91.70): VU026214.D (-3359) (-)

Ion 92.00 (91.70 to 92.70): VU026214.D (-3359) (-)

Ion 134.00 (133.70 to 134.70): VU026214.D (-3359) (-)

Time--> 11.80 11.85 11.90 11.95

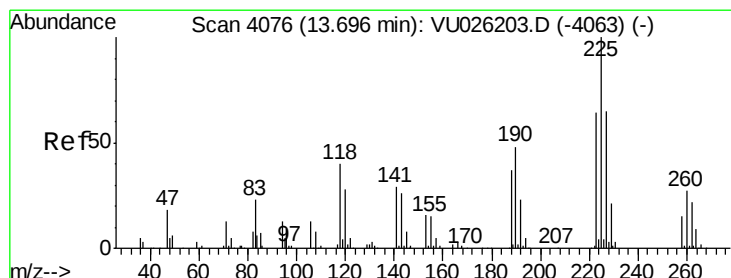


Abundance Ion 91.00 (90.70 to 91.70): VU026214.D (-3359) (-)

Ion 92.00 (91.70 to 92.70): VU026214.D (-3359) (-)

Ion 134.00 (133.70 to 134.70): VU026214.D (-3359) (-)

Time--> 11.80 11.85 11.90 11.95



#88

Hexachlorobutadiene

Concen: 8.519 ug/l

RT: 13.69 min Scan# 4075

Delta R.T. -0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

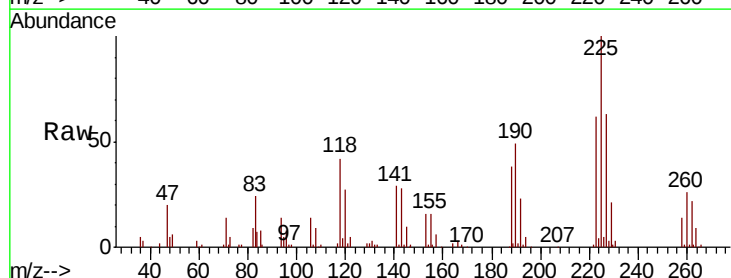
Tgt Ion: 225 Resp: 73183

Ion Ratio Lower Upper

225 100

223 64.1 50.6 75.8

227 63.1 51.8 77.6

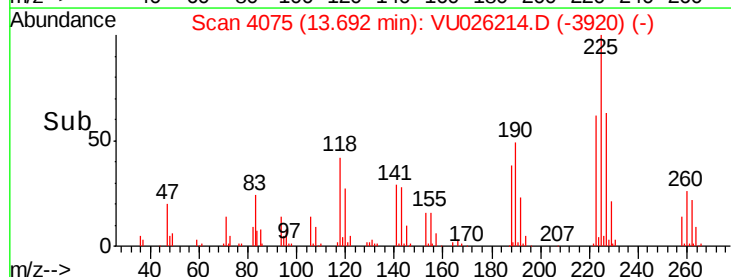


Abundance Ion 224.60 (224.30 to 225.30): VU026214.D (-3920) (-)

Ion 222.60 (222.30 to 223.30): VU026214.D (-3920) (-)

Ion 226.60 (226.30 to 227.30): VU026214.D (-3920) (-)

Time--> 13.65 13.70 13.75

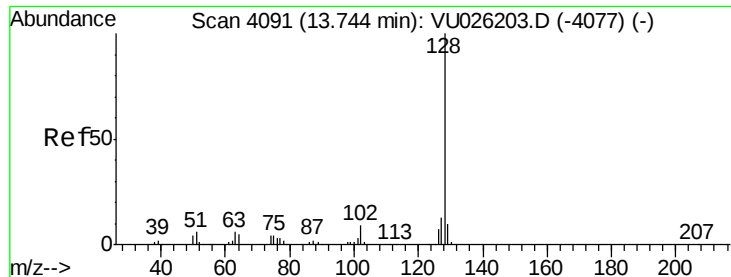


Abundance Ion 224.60 (224.30 to 225.30): VU026214.D (-3920) (-)

Ion 222.60 (222.30 to 223.30): VU026214.D (-3920) (-)

Ion 226.60 (226.30 to 227.30): VU026214.D (-3920) (-)

Time--> 13.65 13.70 13.75



#89

Naphthalene

Concen: 8.145 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

Instrument :

MSVOA_U

ClientSampled :

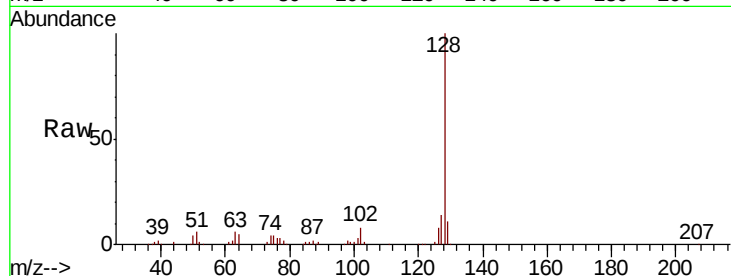
Tot Ion:128 Resp: 180168

Ion Ratio Lower Upper

128 100

127 13.9 10.5 15.7

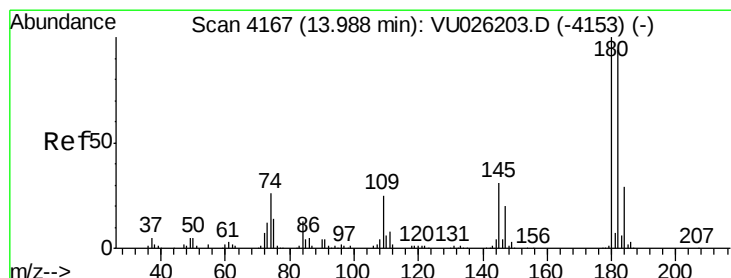
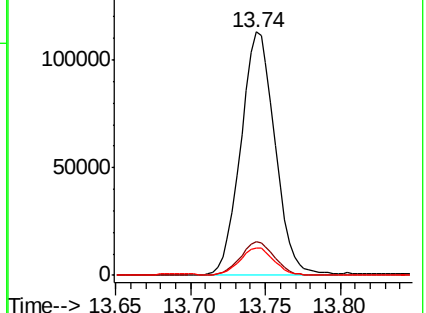
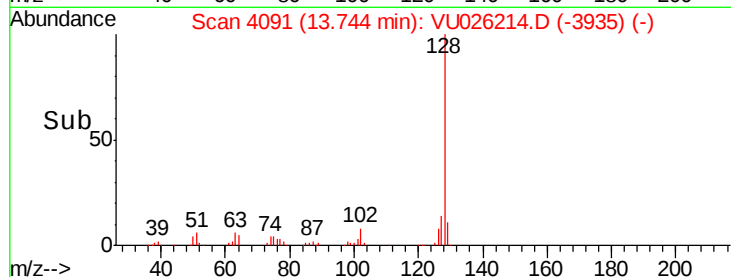
129 11.3 8.7 13.1



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: 8.269 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026214.D

Acq: 20 Aug 2018 17:34

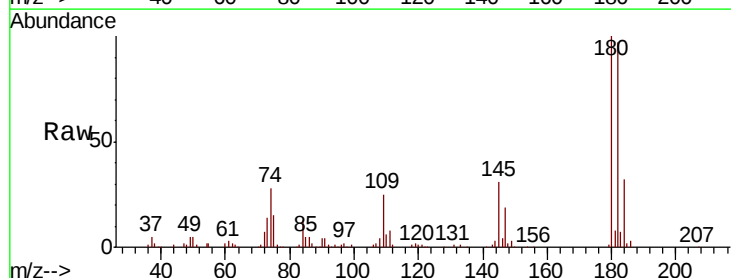
Tgt Ion:180 Resp: 109376

Ion Ratio Lower Upper

180 100

182 97.5 76.8 115.2

145 30.9 24.6 36.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

