

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031419\
 Data File : VU030012.D
 Acq On : 12 Mar 2019 17:40
 Operator : JC/SP
 Sample : VU0314WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0314WBSD01

Quant Time: Mar 13 05:54:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 13 04:21:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	59289	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	20919	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	24420	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.21	85	41507	1.909	ug/l	98
3) Chloromethane	1.33	50	46962	1.904	ug/l	97
4) Vinyl Chloride	1.40	62	40844	1.932	ug/l	100
5) Bromomethane	1.63	94	23966	1.983	ug/l	97
6) Chloroethane	1.70	64	23979	1.964	ug/l	96
7) Trichlorofluoromethane	1.88	101	54442	1.985	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	28121	1.885	ug/l	97
9) 1,1-Dichloroethene	2.28	96	29327	1.982	ug/l	95
10) Iodomethane	2.41	142	20781	1.621	ug/l	97
11) Allyl Chloride	2.59	41	39921	1.908	ug/l	98
12) Acrylonitrile	2.93	53	13876	4.331	ug/l	95
13) Acetone	2.32	43	25235	9.047	ug/l	94
14) Carbon Disulfide	2.48	76	94068	1.825	ug/l	99
15) Methylene Chloride	2.70	84	35485	2.015	ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	32977	1.930	ug/l	96
17) 1,1-Dichloroethane	3.44	63	56253	1.948	ug/l	98
18) 2-Butanone	4.28	43	35812	9.274	ug/l	99
19) Cyclohexane	4.98	56	37798	1.528	ug/l #	78
20) Methylcyclohexane	6.41	83	49620	1.817	ug/l	96
21) 2,2-Dichloropropane	4.22	77	44036	1.813	ug/l	97
22) cis-1,2-Dichloroethene	4.22	96	37307	1.964	ug/l	96
23) Diethyl Ether	2.10	59	21946	1.986	ug/l	98
24) tert-Butyl Alcohol	2.83	59	24596	20.793	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	74439	1.993	ug/l	96
26) Bromochloromethane	4.55	128	16067	1.934	ug/l	97
27) Chloroform	4.67	83	57041	1.877	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	49688	1.988	ug/l	99
29) 1,1-Dichloropropene	5.13	75	42222	1.855	ug/l	99
30) Carbon Tetrachloride	5.13	117	41520	1.858	ug/l	98
31) Isopropyl Ether	3.57	45	76813	1.890	ug/l	98
32) Ethyl-t-butyl ether	4.07	59	77135	1.970	ug/l	98
33) Tert-Amyl methyl ether	5.58	73	68667	1.916	ug/l	98
34) Propionitrile	4.33	54	10648	9.892	ug/l #	95
35) Benzene	5.39	78	128974	1.937	ug/l	100
36) 1,2-Dichloroethane	5.40	62	33796	1.898	ug/l	98
37) Trichloroethene	6.18	130	37426	1.951	ug/l	94
38) 1,2-Dichloropropane	6.43	63	32475	1.918	ug/l	100
39) Methacrylonitrile	4.55	41	9216	1.963	ug/l #	88
40) Methyl acrylate	4.43	55	12972	1.749	ug/l #	99
41) Tetrahydrofuran	4.65	42	8797	3.388	ug/l	96
42) 1-Chlorobutane	5.06	56	54968	1.844	ug/l	99

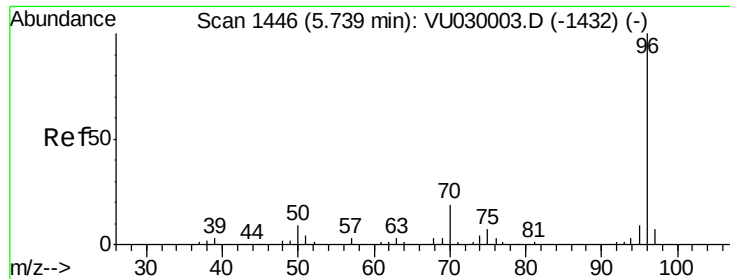
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	17305	1.976	ug/l	96
44) Bromodichloromethane	6.76	83	40409	1.934	ug/l	95
45) 4-Methyl-2-Pentanone	7.46	43	84080	9.717	ug/l	100
46) t-1,4-Dichloro-2-butene	10.49	75	33063	8.573	ug/l #	55
47) Methyl methacrylate	6.63	69	27875	3.799	ug/l	97
48) Ethyl methacrylate	8.02	69	27492	1.987	ug/l	98
49) Toluene	7.63	92	77734	1.937	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	35631	1.904	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	43270	1.840	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	24552	1.983	ug/l	95
53) 1,3-Dichloropropane	8.24	76	40859	1.973	ug/l	99
54) 2-Hexanone	8.37	43	60705	9.737	ug/l	97
55) Dibromochloromethane	8.48	129	29235	1.963	ug/l	98
56) 1,2-Dibromoethane	8.58	107	23180	1.945	ug/l	97
58) Tetrachloroethene	8.22	164	33720	1.936	ug/l	99
59) Chlorobenzene	9.12	112	89716	1.957	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	31570	1.949	ug/l	98
61) Pentachloroethane	11.10	117	23890	1.911	ug/l	94
62) Hexachloroethane	12.14	117	23401	1.858	ug/l	95
63) Ethyl Benzene	9.25	91	142584	1.894	ug/l	99
64) m/p-Xylenes	9.37	106	113910	3.845	ug/l	100
65) o-Xylene	9.77	106	54088	1.861	ug/l	97
66) Styrene	9.79	104	91216	1.915	ug/l	99
67) Bromoform	9.96	173	15771	1.853	ug/l	99
69) Isopropylbenzene	10.16	105	145912	1.926	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.45	83	31078	2.037	ug/l	96
71) 1,2,3-Trichloropropane	10.49	75	33063	2.882	ug/l #	80
72) Bromobenzene	10.45	156	39108	1.968	ug/l	98
73) n-propylbenzene	10.58	120	41381	1.925	ug/l	97
74) 2-Chlorotoluene	10.66	126	35806	1.902	ug/l	93
75) 1,3,5-Trimethylbenzene	10.77	105	124747	1.933	ug/l	99
76) 4-Chlorotoluene	10.77	126	36609	1.905	ug/l	97
77) tert-Butylbenzene	11.10	119	121674	1.926	ug/l	98
78) 1,2,4-Trimethylbenzene	11.14	105	126225	1.923	ug/l	99
79) sec-Butylbenzene	11.32	105	165324	1.953	ug/l	100
80) Nitrobenzene	12.88	77	1924	7.058	ug/l #	96
81) p-Isopropyltoluene	11.47	119	136641	1.925	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	78669	1.961	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	77081	1.911	ug/l	98
84) n-Butylbenzene	11.89	91	122538	1.848	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	74569	1.997	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	4209	1.915	ug/l	96
87) 1,2,4-Trichlorobenzene	13.50	180	49202	1.826	ug/l	96
88) Hexachlorobutadiene	13.69	225	29684	2.032	ug/l	98
89) Naphthalene	13.74	128	77488	1.835	ug/l	98
90) 1,2,3-Trichlorobenzene	13.98	180	46012	1.884	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU0314WBSD01

Tgt Ion: 96 Resp: 59289

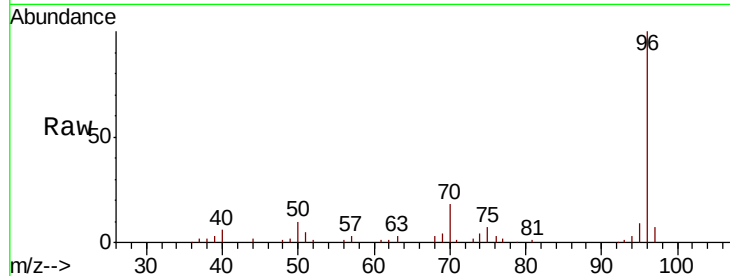
Ion Ratio Lower Upper

96 100

70 19.0 15.5 23.3

95 8.9 6.6 9.8

97 6.9 0.0 0.0#

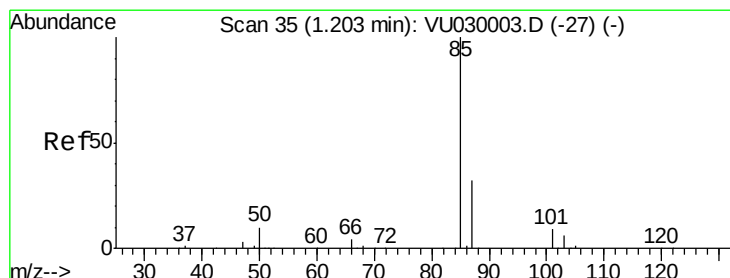
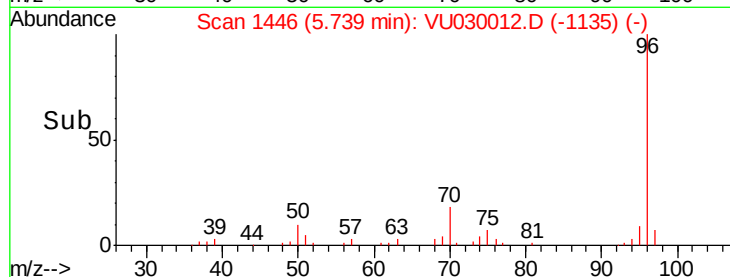
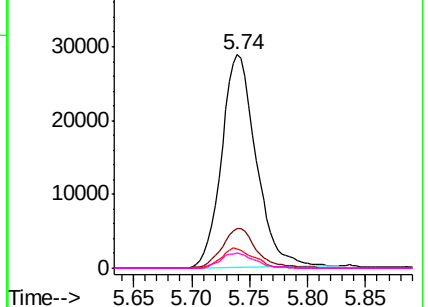


Abundance Ion 96.00 (95.70 to 96.70): VU0

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



#2

Dichlorodifluoromethane

Concen: 1.909 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030012.D

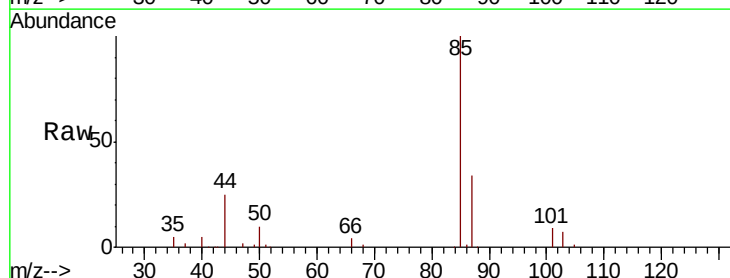
Acq: 12 Mar 2019 17:40

Tgt Ion: 85 Resp: 41507

Ion Ratio Lower Upper

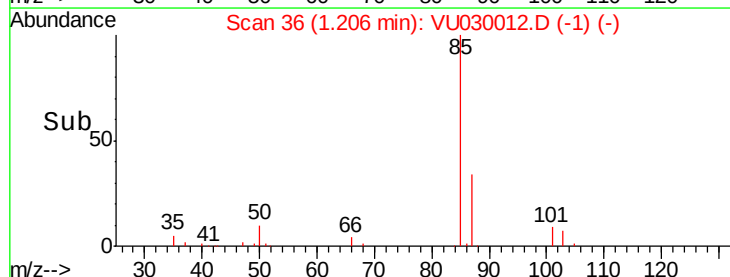
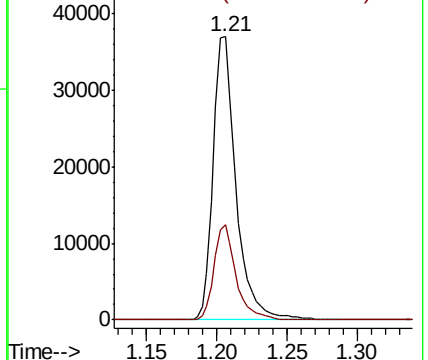
85 100

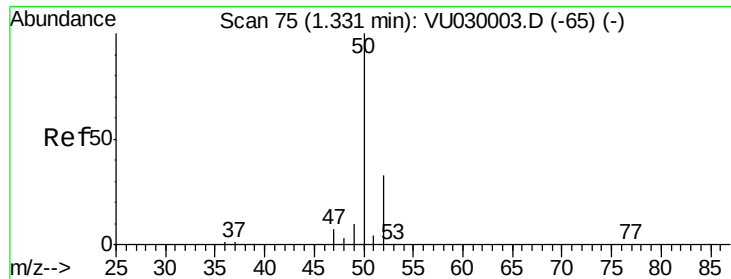
87 33.5 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 1.904 ug/l

RT: 1.33 min Scan# 75

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

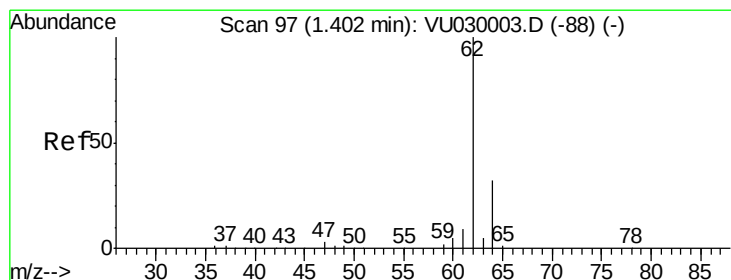
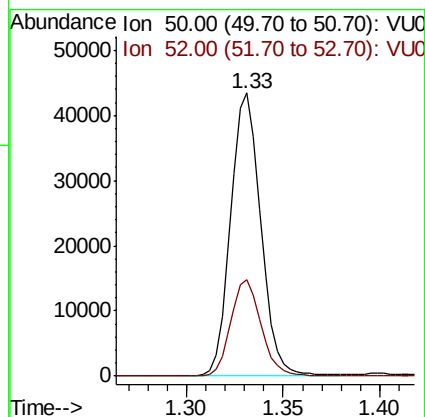
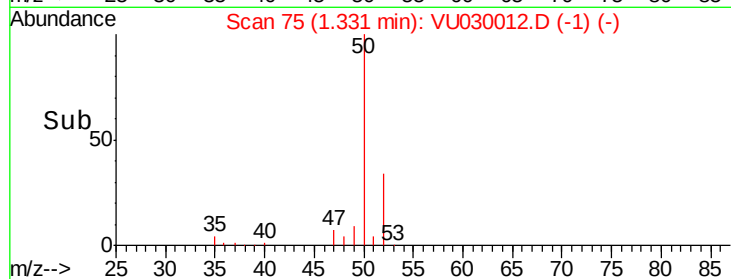
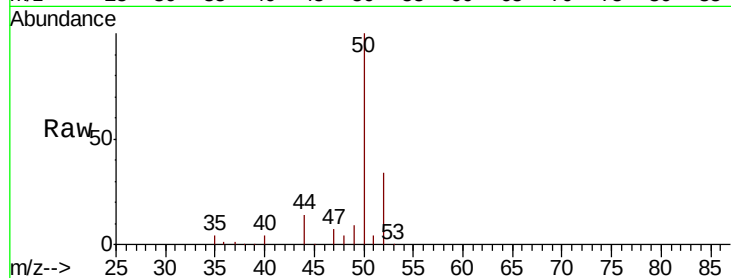
VU0314WBSD01

Tgt Ion: 50 Resp: 46962

Ion Ratio Lower Upper

50 100

52 34.0 26.1 39.1



#4

Vinyl Chloride

Concen: 1.932 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030012.D

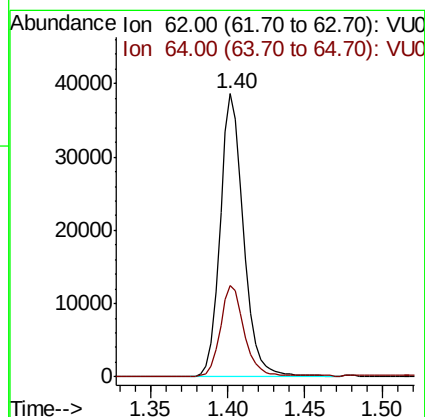
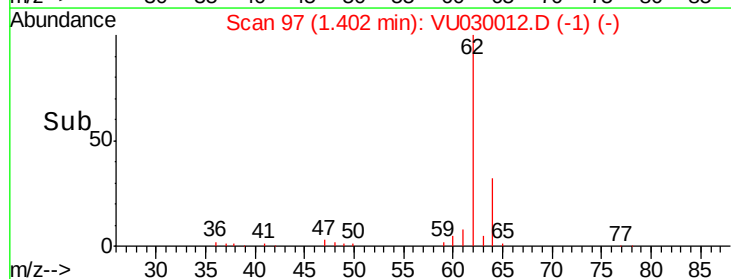
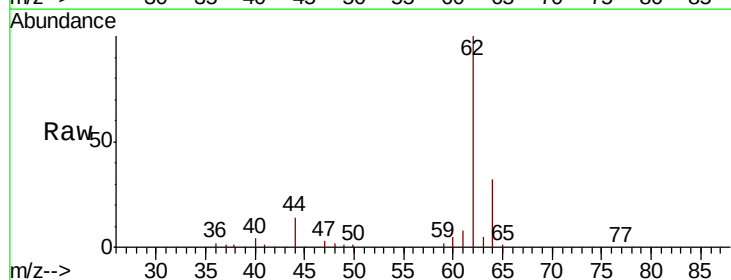
Acq: 12 Mar 2019 17:40

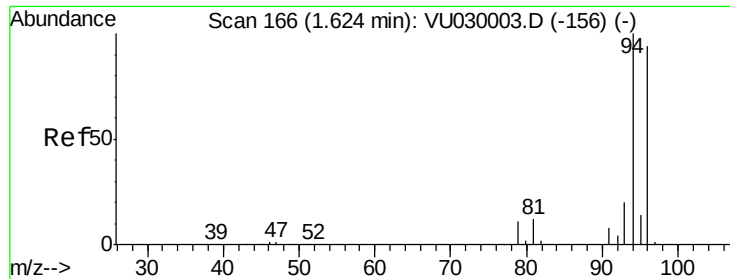
Tgt Ion: 62 Resp: 40844

Ion Ratio Lower Upper

62 100

64 32.4 26.0 39.0

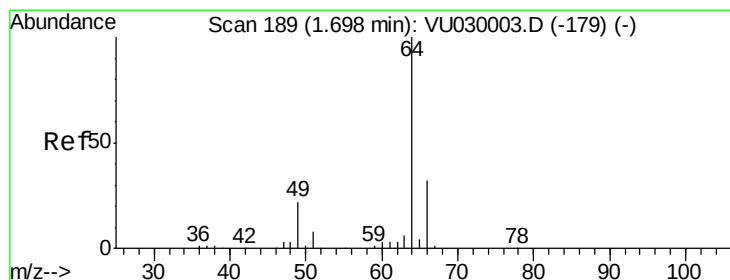
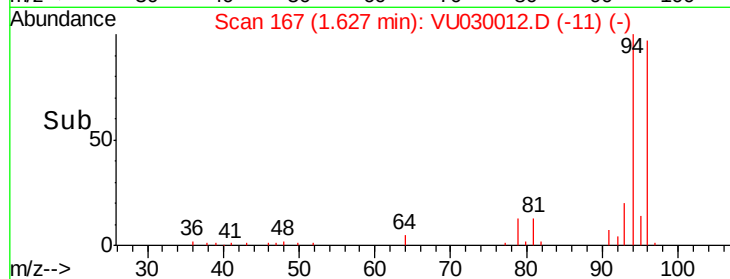
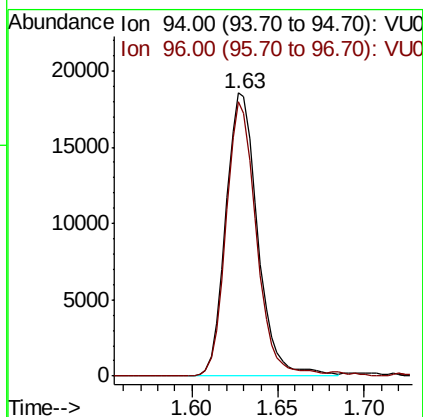
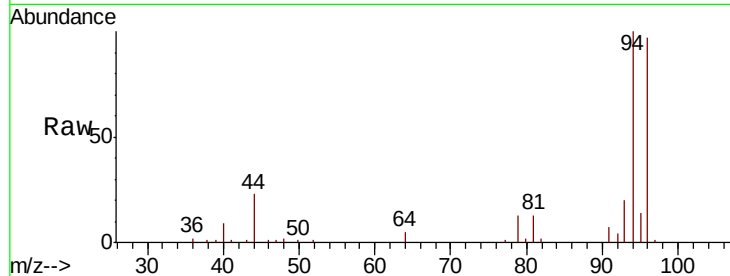




#5
Bromomethane
Concen: 1.983 ug/l
RT: 1.63 min Scan# 167
Delta R.T. 0.00 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

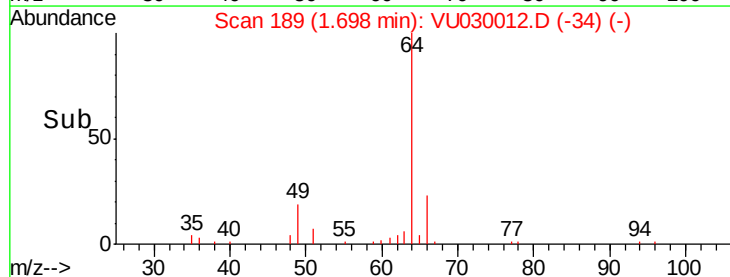
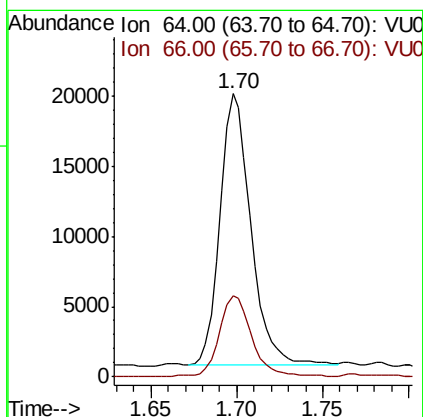
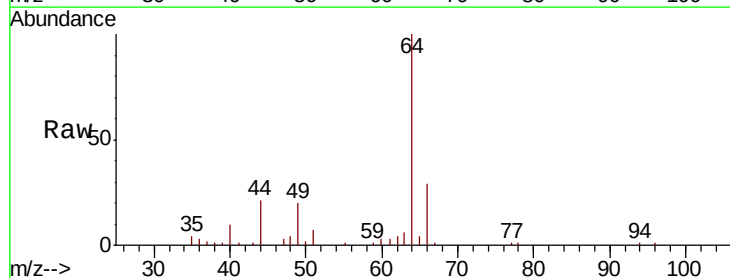
Instrument :
MSVOA_U
ClientSampleId :
VU0314WBSD01

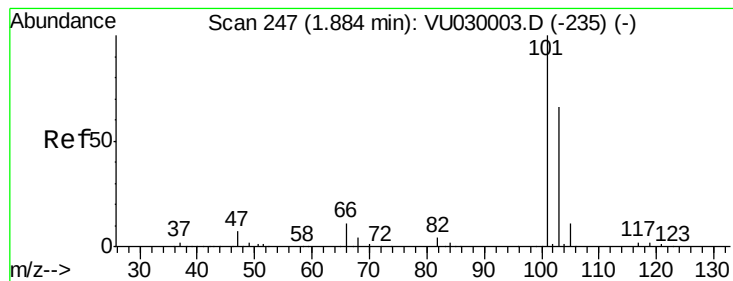
Tgt Ion: 94 Resp: 23966
Ion Ratio Lower Upper
94 100
96 97.2 75.2 112.8



#6
Chloroethane
Concen: 1.964 ug/l
RT: 1.70 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

Tgt Ion: 64 Resp: 23979
Ion Ratio Lower Upper
64 100
66 30.1 25.8 38.6





#7

Trichlorofluoromethane

Concen: 1.985 ug/l

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

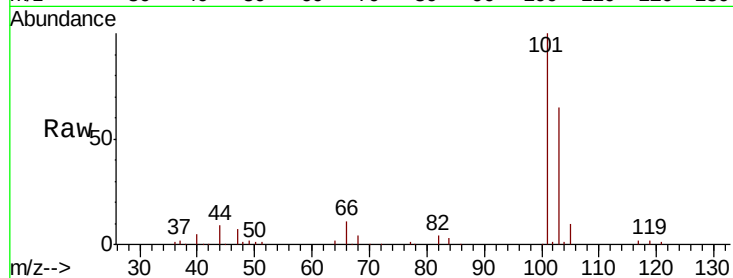
VU0314WBSD01

Tgt Ion:101 Resp: 54442

Ion Ratio Lower Upper

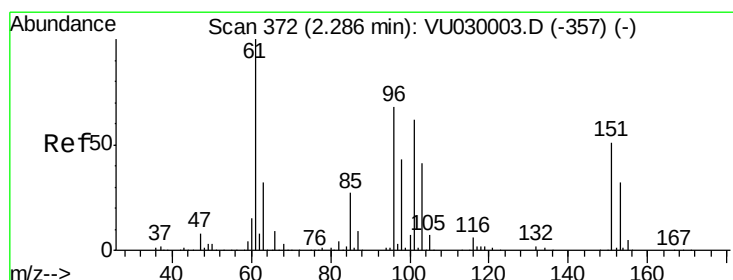
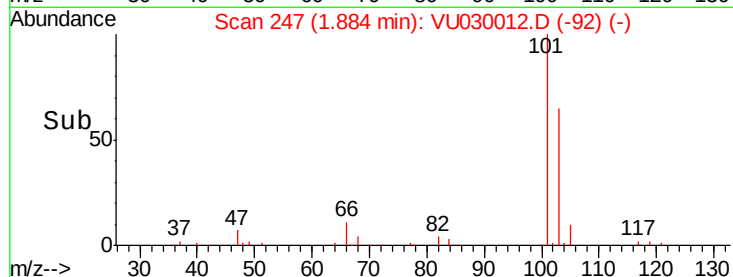
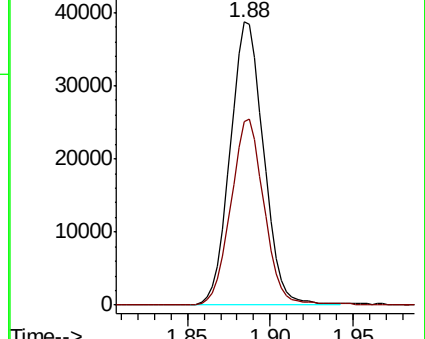
101 100

103 64.8 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.885 ug/l

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

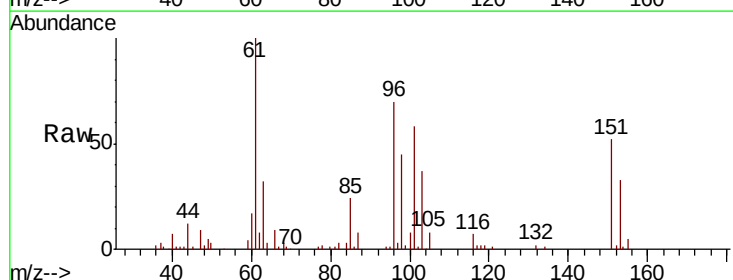
Tgt Ion:101 Resp: 28121

Ion Ratio Lower Upper

101 100

85 42.6 33.6 50.4

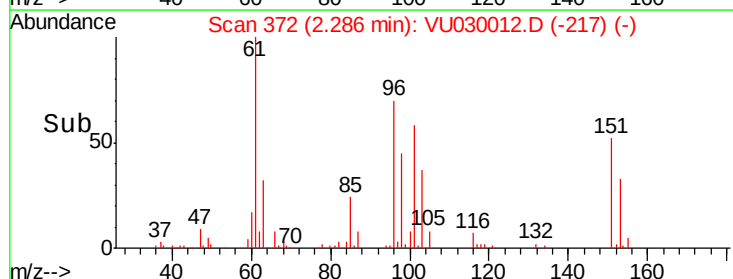
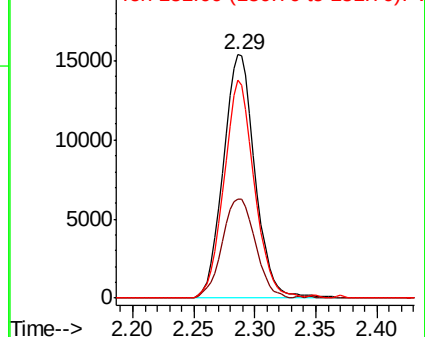
151 84.4 65.0 97.4

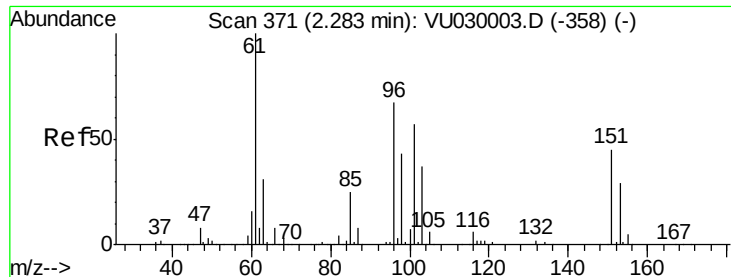


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 1.982 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU0314WBSD01

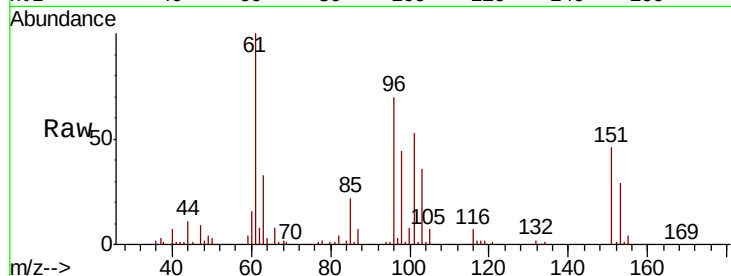
Tgt Ion: 96 Resp: 29327

Ion Ratio Lower Upper

96 100

61 142.2 0.0 447.0

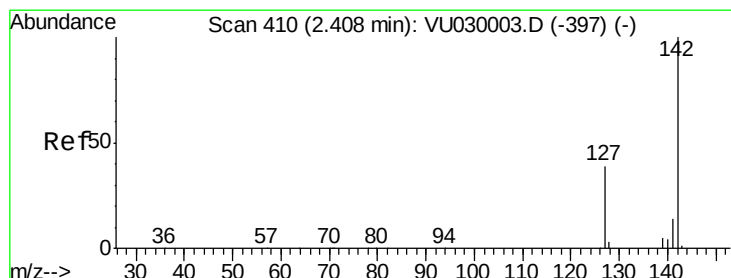
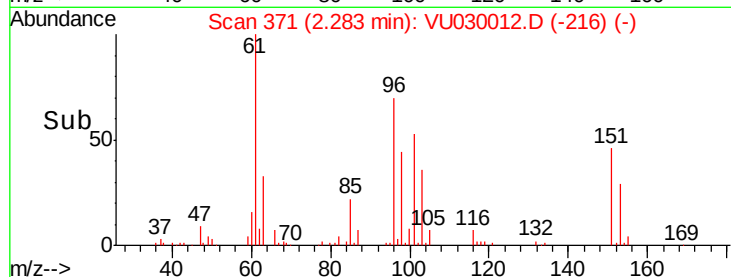
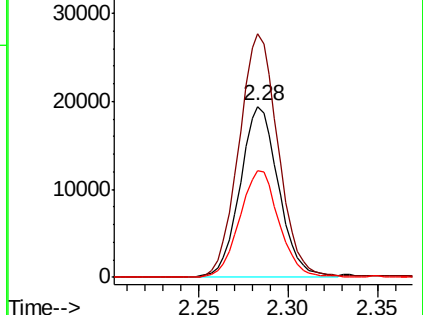
98 62.1 0.0 129.2



Abundance Ion 96.00 (95.70 to 96.70): VU030012.D (-216) (-)

Ion 61.00 (60.70 to 61.70): VU030012.D (-216) (-)

Ion 98.00 (97.70 to 98.70): VU030012.D (-216) (-)



#10

Iodomethane

Concen: 1.621 ug/l

RT: 2.41 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU030012.D

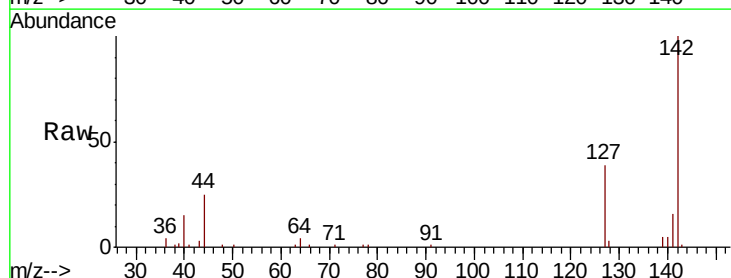
Acq: 12 Mar 2019 17:40

Tgt Ion: 142 Resp: 20781

Ion Ratio Lower Upper

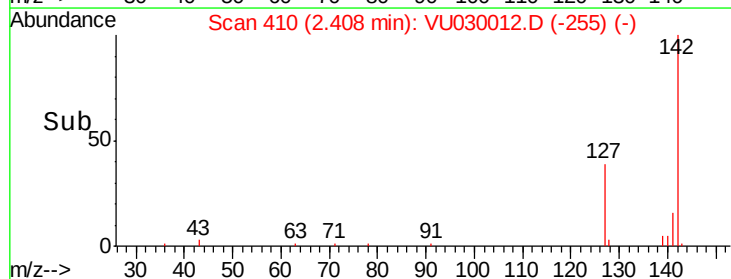
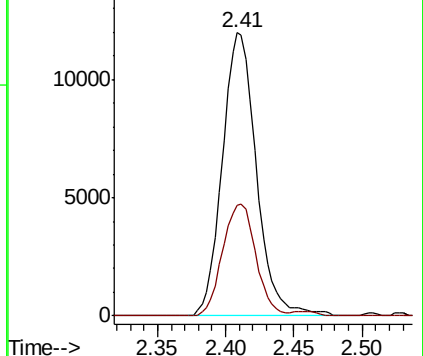
142 100

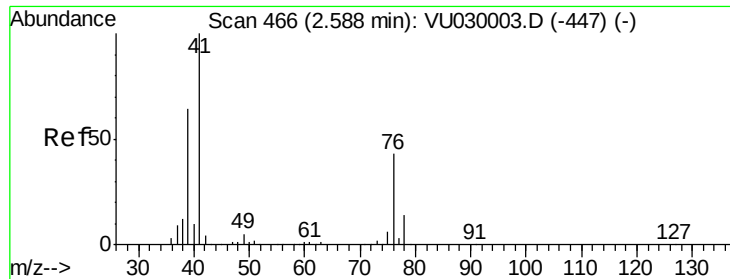
127 38.3 32.2 48.4



Abundance Ion 142.00 (141.70 to 142.70): VU030012.D (-255) (-)

Ion 127.00 (126.70 to 127.70): VU030012.D (-255) (-)

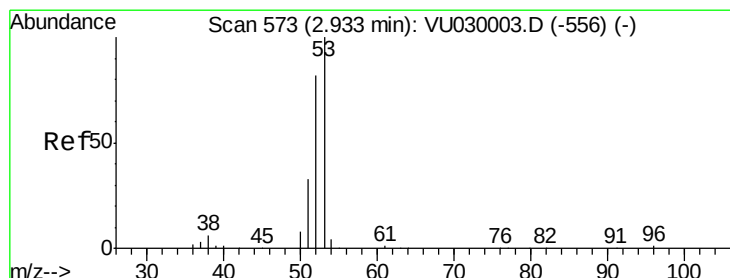
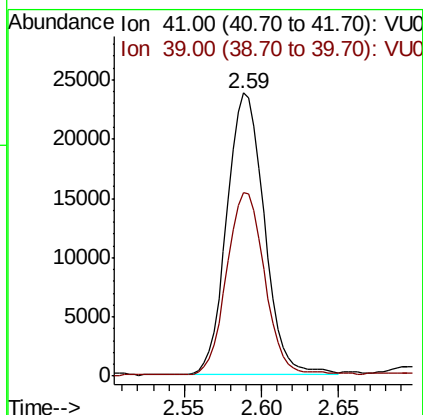
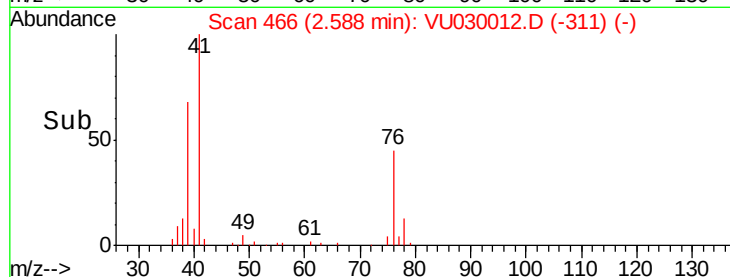
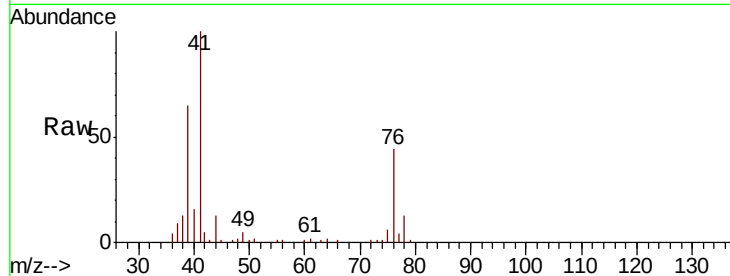




#11
 Allyl Chloride
 Concen: 1.908 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

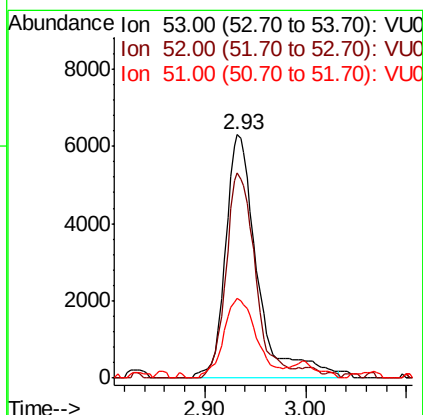
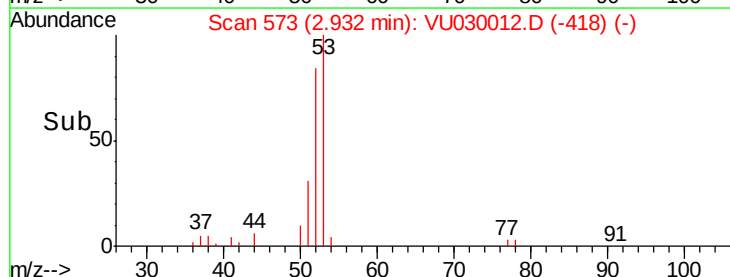
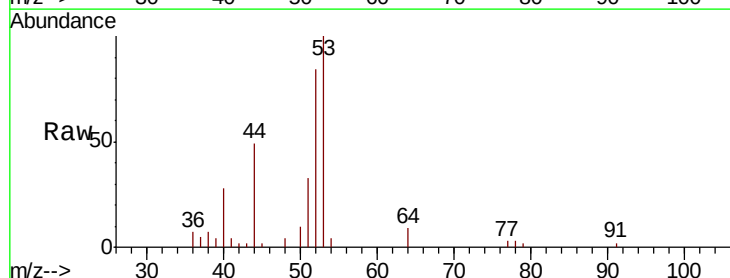
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0314WBSD01

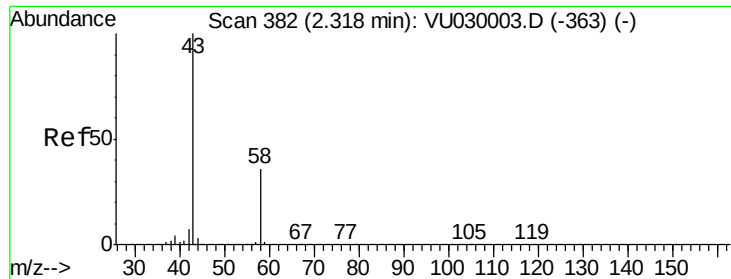
Tgt Ion: 41 Resp: 39921
 Ion Ratio Lower Upper
 41 100
 39 65.0 50.8 76.2



#12
 Acrylonitrile
 Concen: 4.331 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Tgt Ion: 53 Resp: 13876
 Ion Ratio Lower Upper
 53 100
 52 77.3 66.3 99.5
 51 33.9 26.9 40.3





#13

Acetone

Concen: 9.047 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

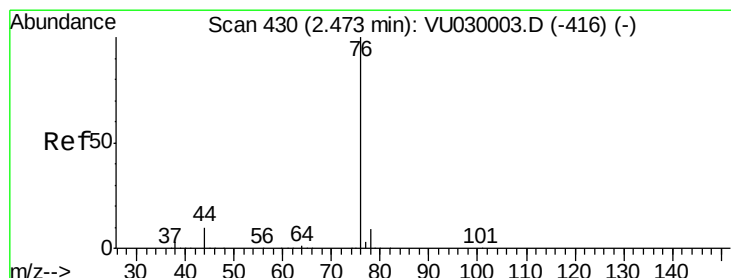
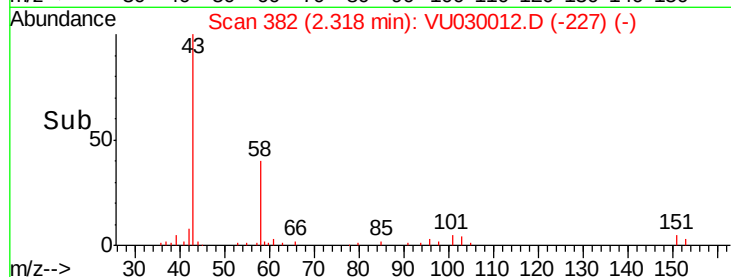
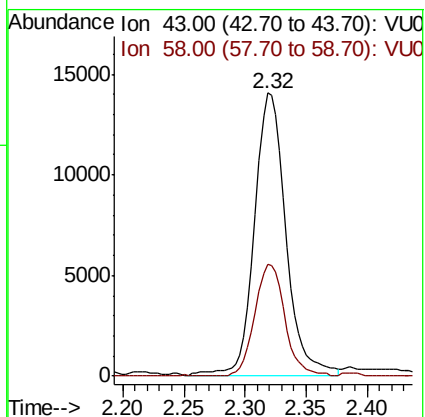
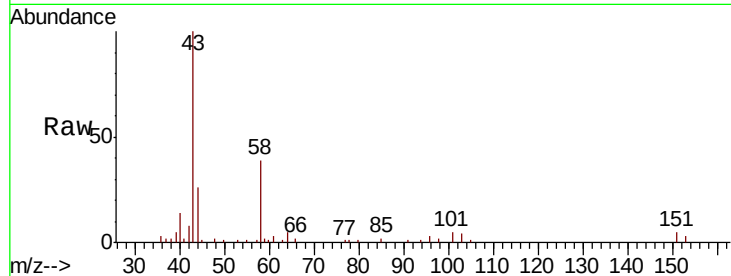
VU0314WBSD01

Tgt Ion: 43 Resp: 25235

Ion Ratio Lower Upper

43 100

58 39.4 28.6 43.0



#14

Carbon Disulfide

Concen: 1.825 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU030012.D

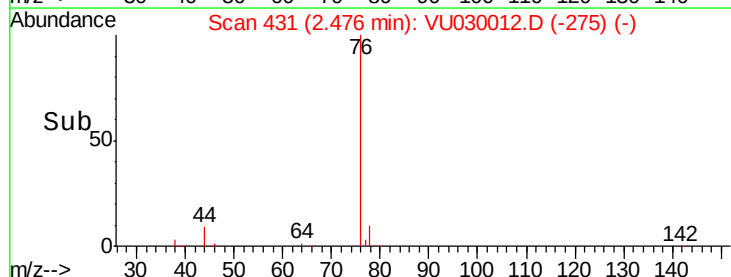
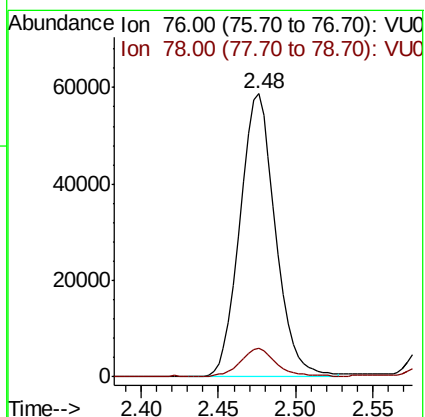
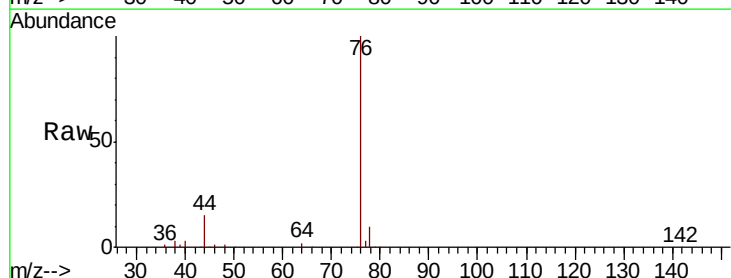
Acq: 12 Mar 2019 17:40

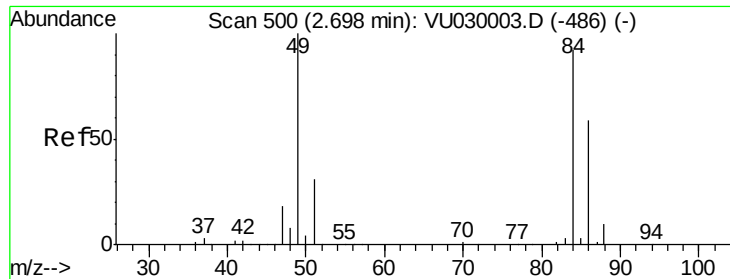
Tgt Ion: 76 Resp: 94068

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.2

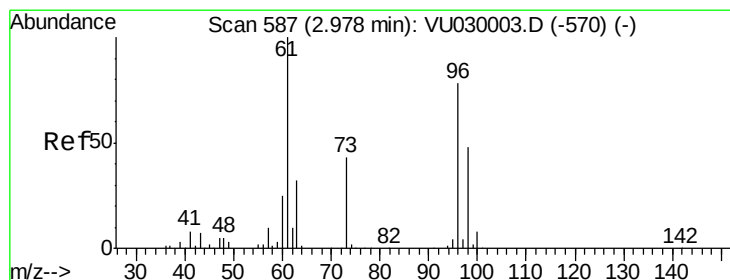
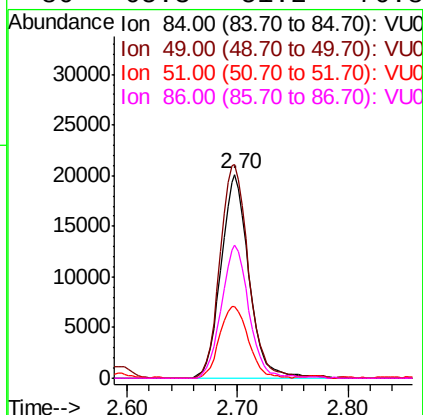
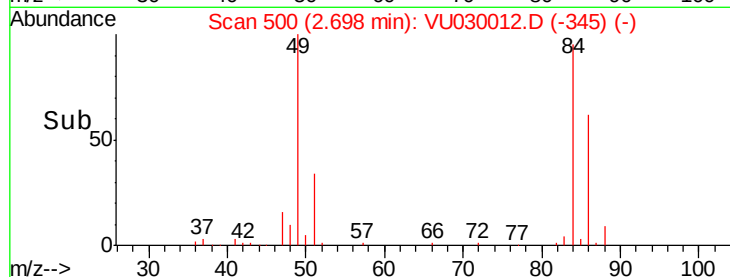
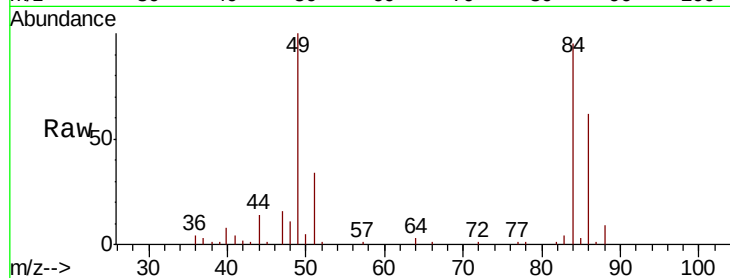




#15
Methylene Chloride
Concen: 2.015 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

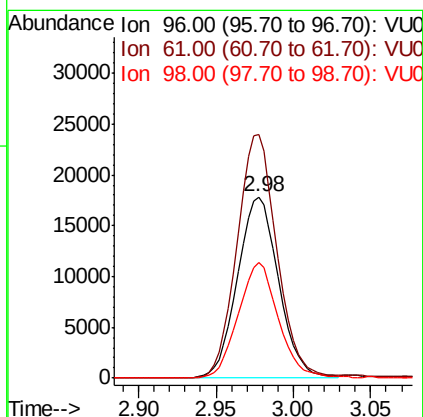
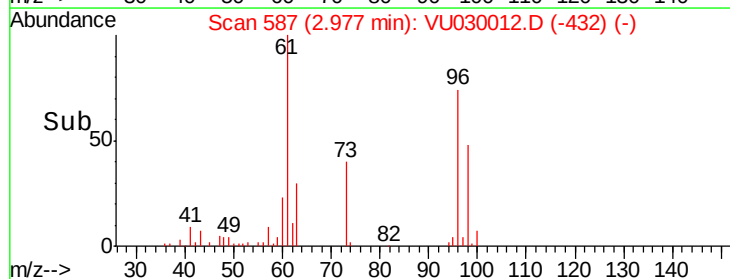
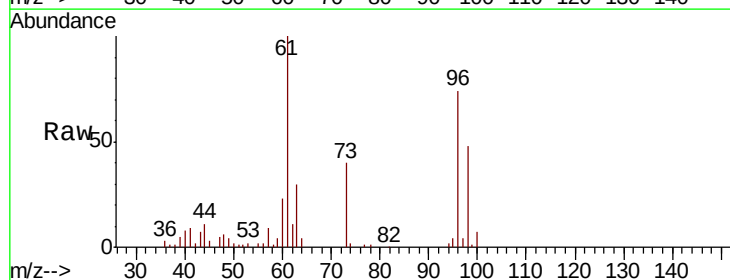
Instrument :
MSVOA_U
ClientSampleId :
VU0314WBSD01

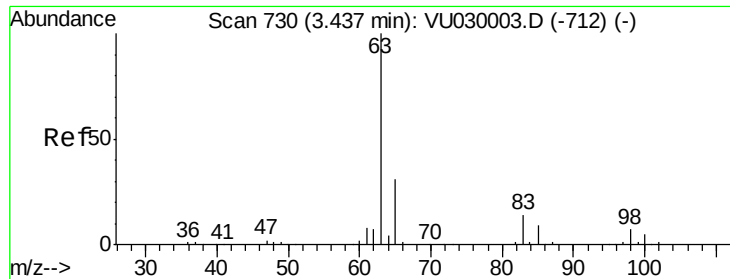
Tgt Ion:	84	Resp:	35485
Ion	Ratio	Lower	Upper
84	100		
49	104.9	86.5	129.7
51	35.3	0.0	66.8
86	65.3	51.2	76.8



#16
trans-1,2-Dichloroethene
Concen: 1.930 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

Tgt Ion:	96	Resp:	32977
Ion	Ratio	Lower	Upper
96	100		
61	134.3	103.0	154.6
98	63.9	49.5	74.3

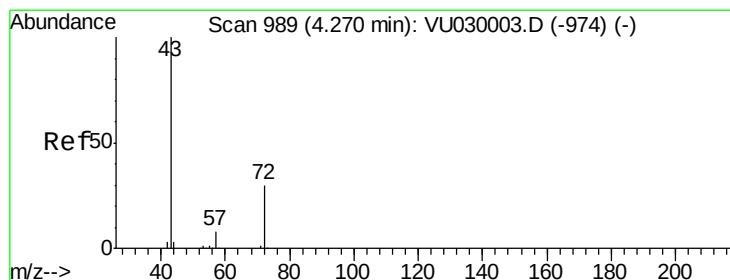
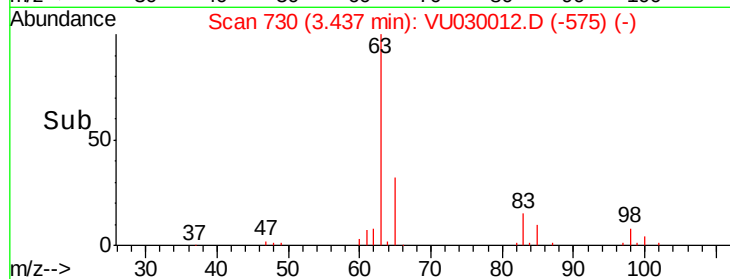
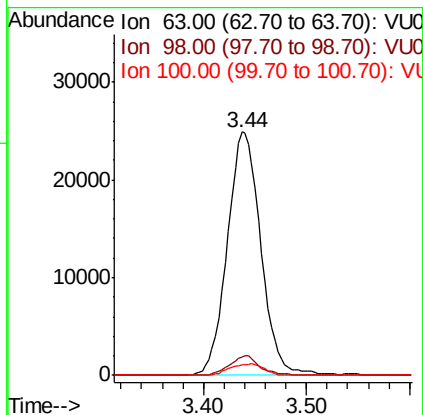
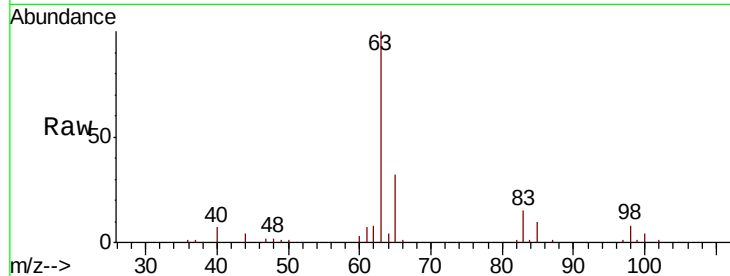




#17
 1,1-Dichloroethane
 Concen: 1.948 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

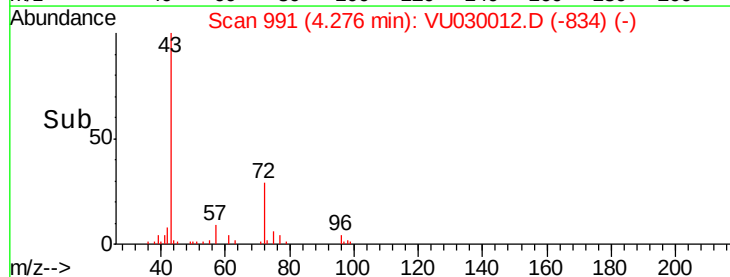
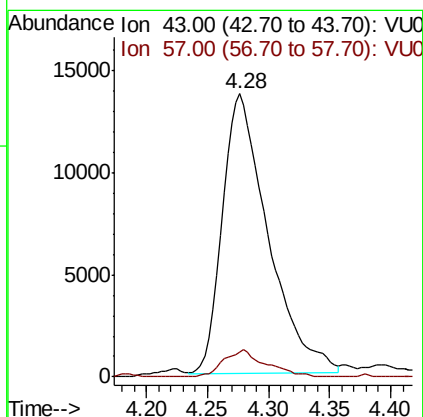
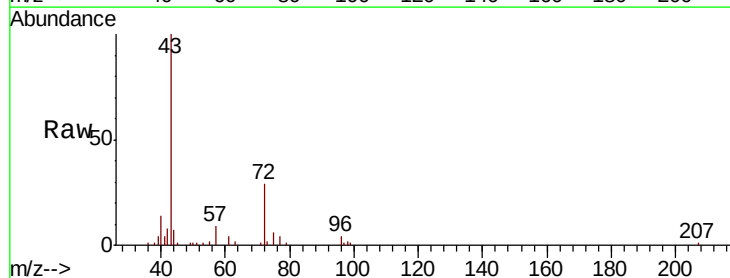
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0314WBSD01

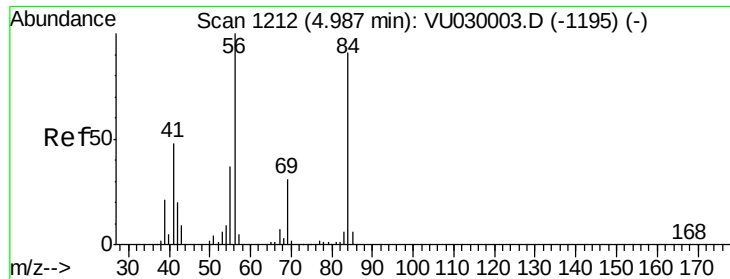
Tgt Ion: 63 Resp: 56253
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.4 10.2
 100 4.4 2.3 6.8



#18
 2-Butanone
 Concen: 9.274 ug/l
 RT: 4.28 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Tgt Ion: 43 Resp: 35812
 Ion Ratio Lower Upper
 43 100
 57 8.8 0.0 16.8

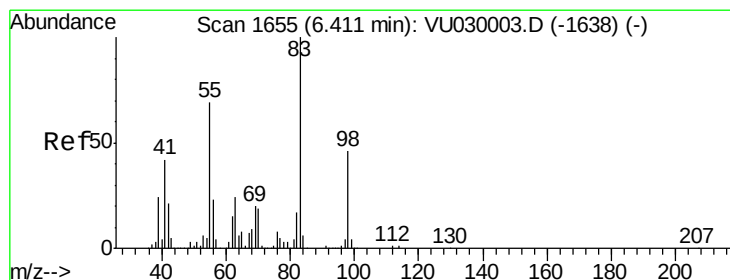
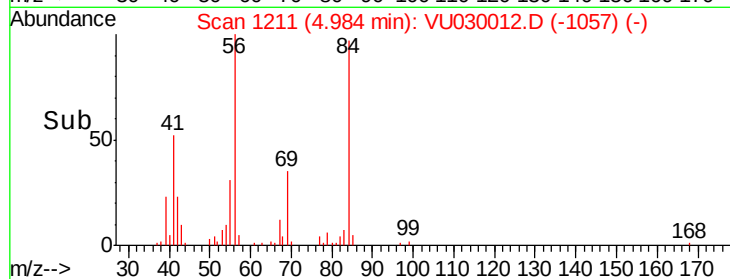
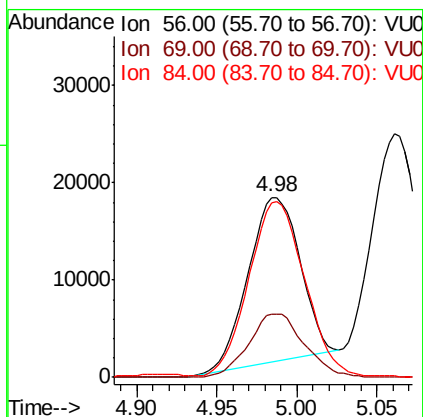
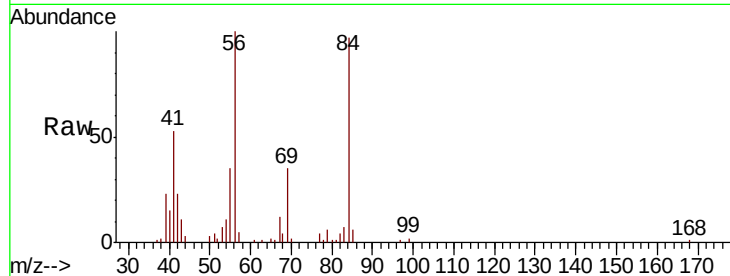




#19
Cyclohexane
Concen: 1.528 ug/l
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

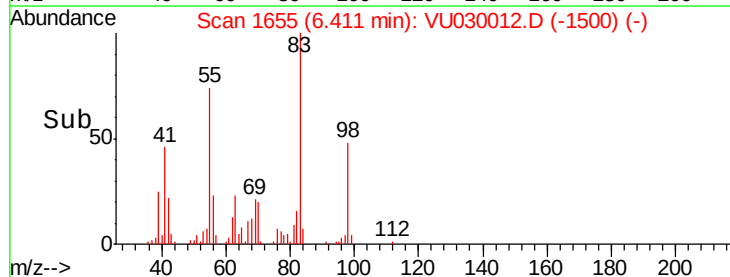
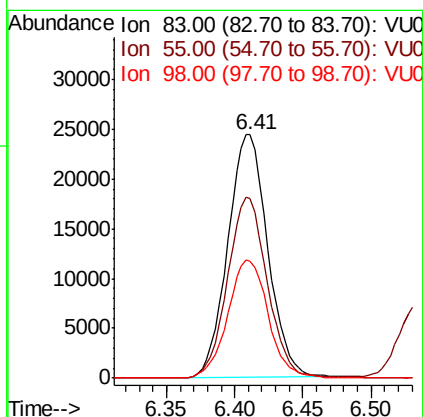
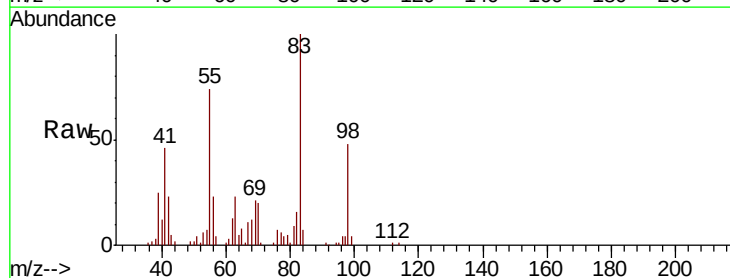
Instrument :
MSVOA_U
ClientSampleId :
VU0314WBSD01

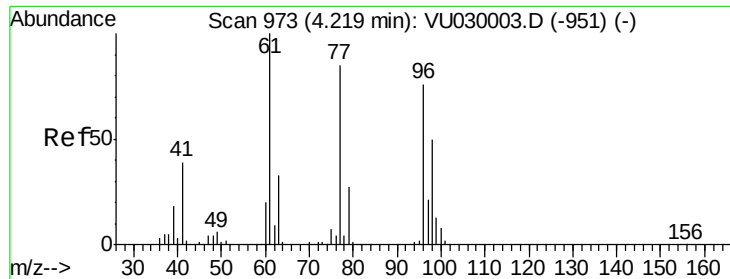
Tgt Ion: 56 Resp: 37798
Ion Ratio Lower Upper
56 100
69 41.2 25.7 38.5#
84 114.0 72.9 109.3#



#20
Methylcyclohexane
Concen: 1.817 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

Tgt Ion: 83 Resp: 49620
Ion Ratio Lower Upper
83 100
55 73.1 55.6 83.4
98 49.3 37.4 56.0

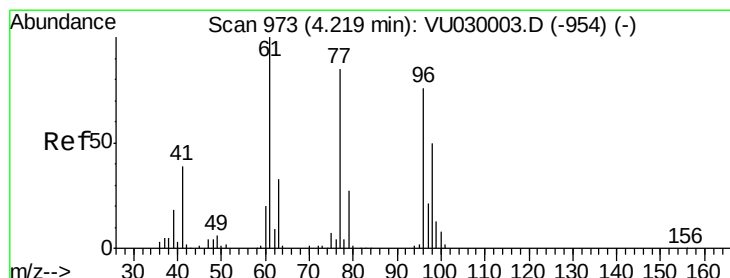
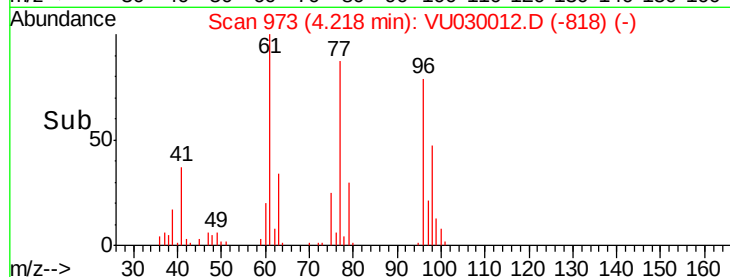
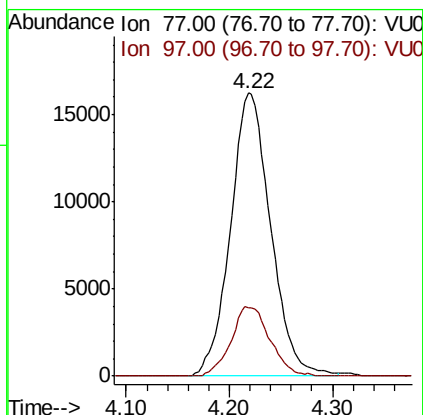
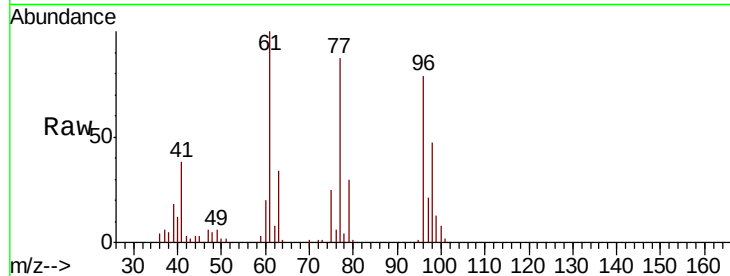




#21
 2,2-Dichloropropane
 Concen: 1.813 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

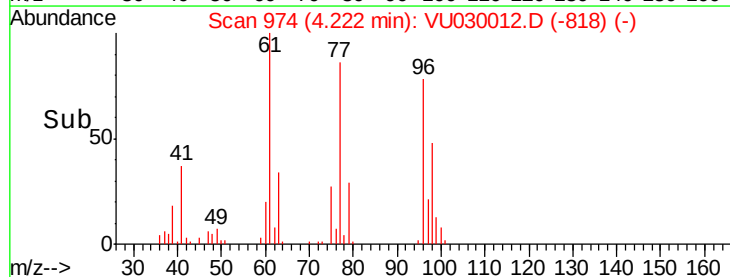
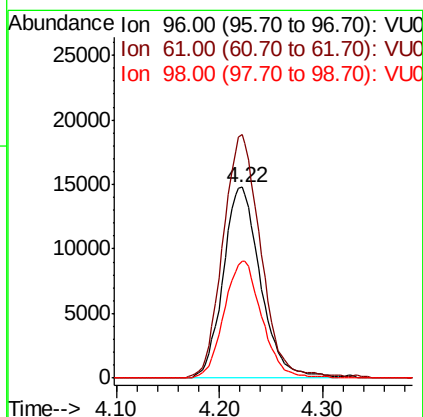
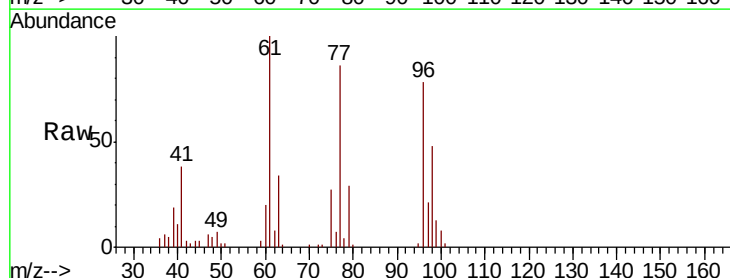
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0314WBSD01

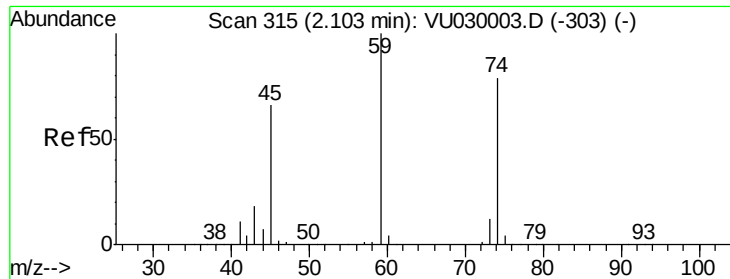
Tgt Ion: 77 Resp: 44036
 Ion Ratio Lower Upper
 77 100
 97 23.6 20.2 30.4



#22
 cis-1,2-Dichloroethene
 Concen: 1.964 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Tgt Ion: 96 Resp: 37307
 Ion Ratio Lower Upper
 96 100
 61 129.1 0.0 335.8
 98 61.5 32.6 97.7

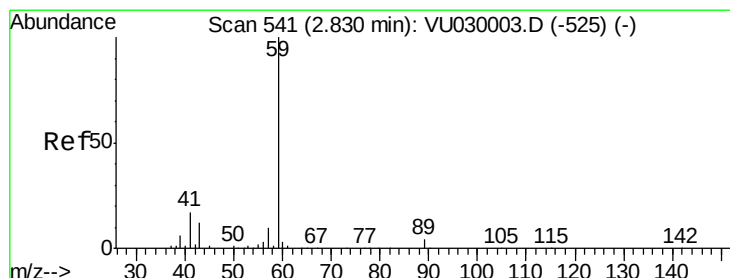
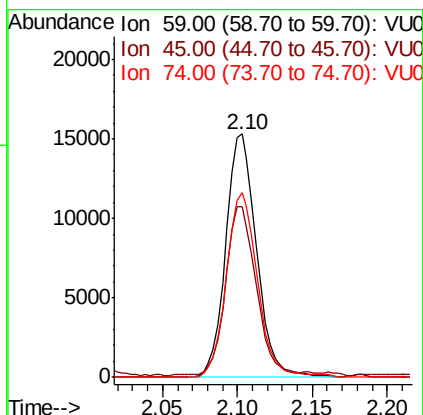
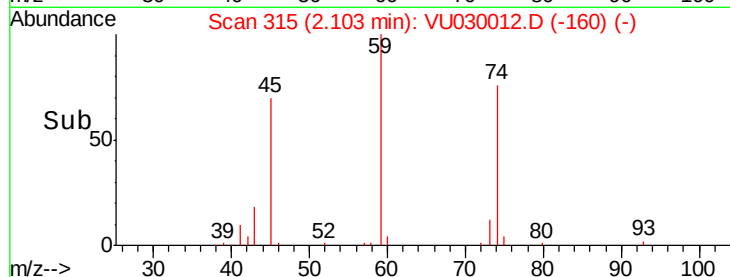
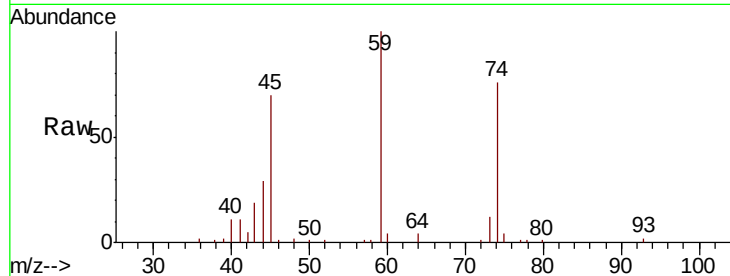




#23
 Diethyl Ether
 Concen: 1.986 ug/l
 RT: 2.10 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

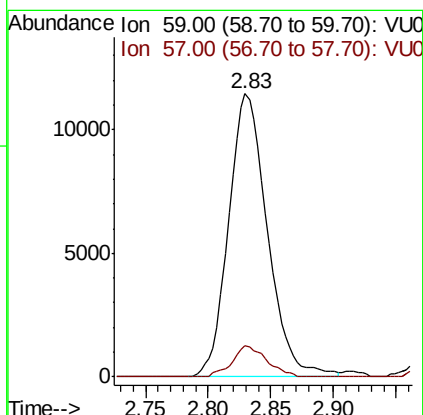
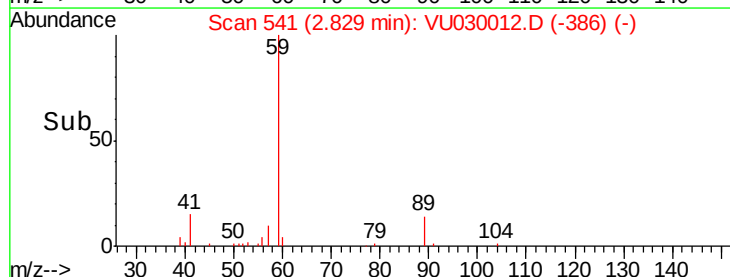
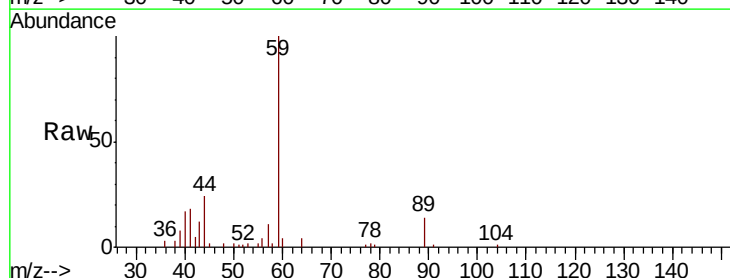
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0314WBSD01

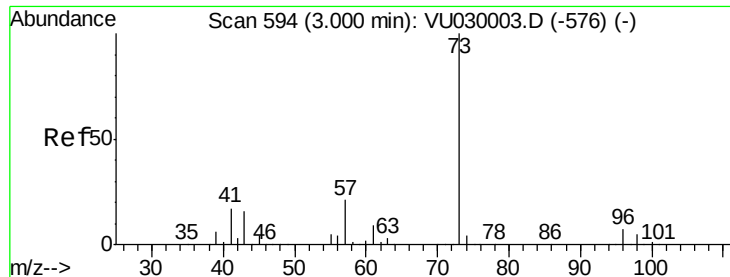
Tgt Ion:	59	Resp:	21946
Ion	Ratio	Lower	Upper
59	100		
45	67.6	52.3	78.5
74	76.9	61.1	91.7



#24
 tert-Butyl Alcohol
 Concen: 20.793 ug/l
 RT: 2.83 min Scan# 541
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Tgt Ion:	59	Resp:	24596
Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.7	11.5





#25

Methyl tert-Butyl Ether

Concen: 1.993 ug/l

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

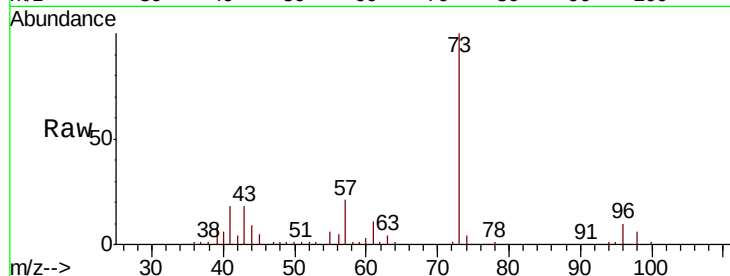
VU0314WBSD01

Tgt Ion: 73 Resp: 74439

Ion Ratio Lower Upper

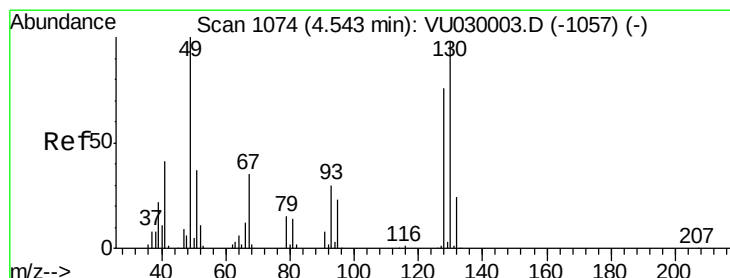
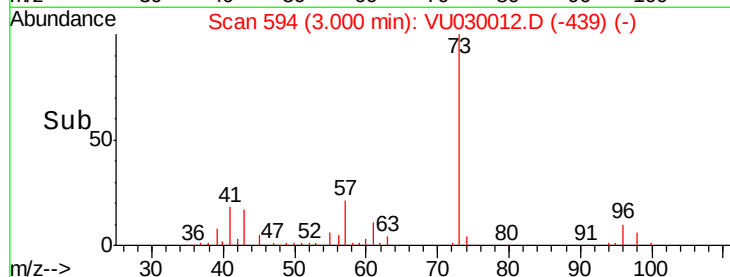
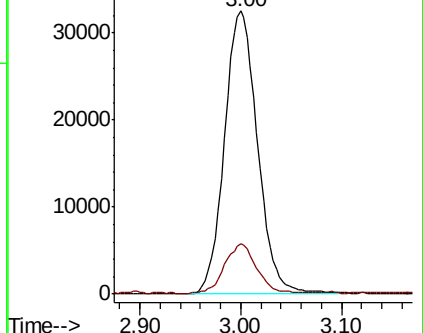
73 100

43 18.0 13.1 19.7



Abundance Ion 73.00 (72.70 to 73.70): VU030003.D (-576) (-)

Ion 43.00 (42.70 to 43.70): VU030003.D (-576) (-)



#26

Bromochloromethane

Concen: 1.934 ug/l

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

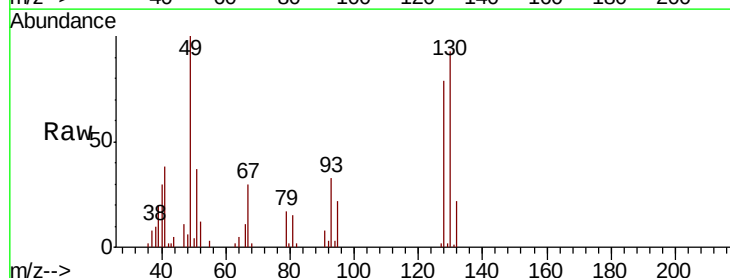
Tgt Ion: 128 Resp: 16067

Ion Ratio Lower Upper

128 100

49 137.2 0.0 270.4

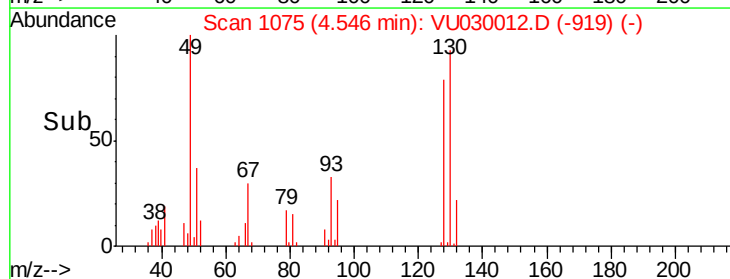
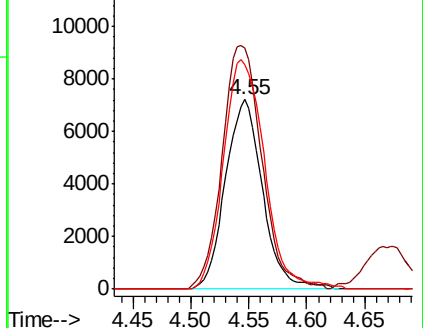
130 133.9 102.6 153.8

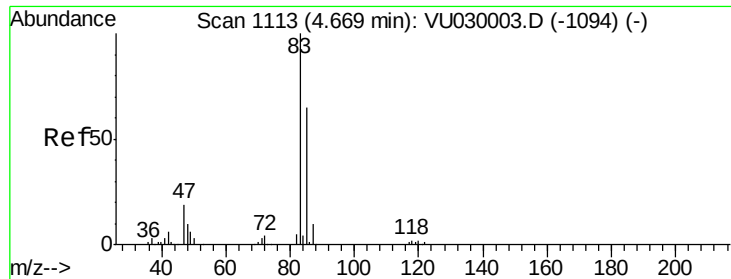


Abundance Ion 128.00 (127.70 to 128.70): VU030003.D (-1057) (-)

Ion 49.00 (48.70 to 49.70): VU030003.D (-1057) (-)

Ion 130.00 (129.70 to 130.70): VU030003.D (-1057) (-)

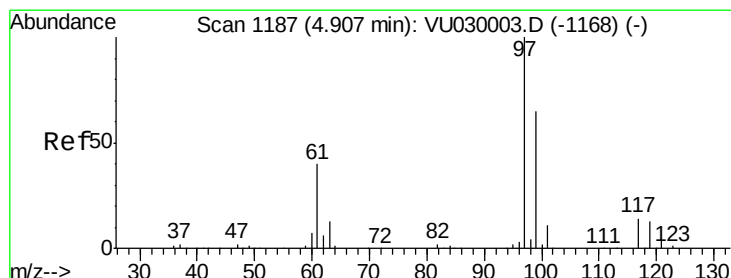
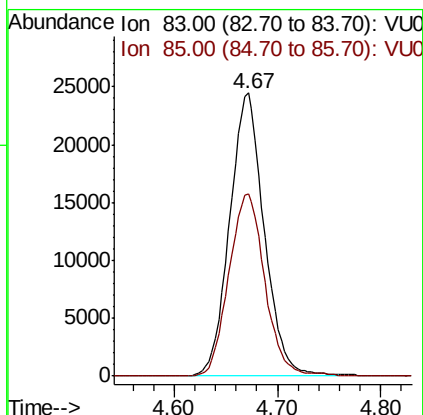
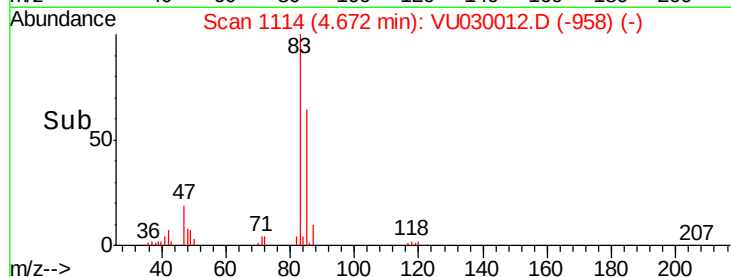
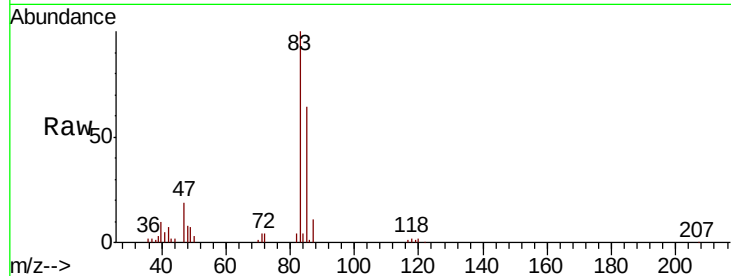




#27
Chloroform
Concen: 1.877 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

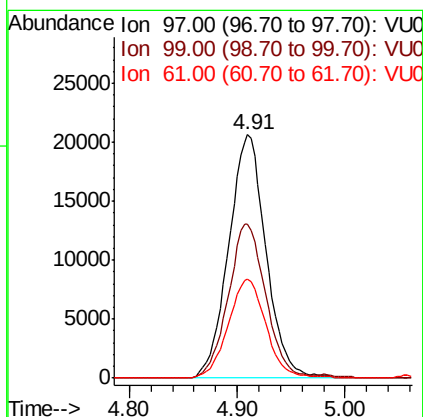
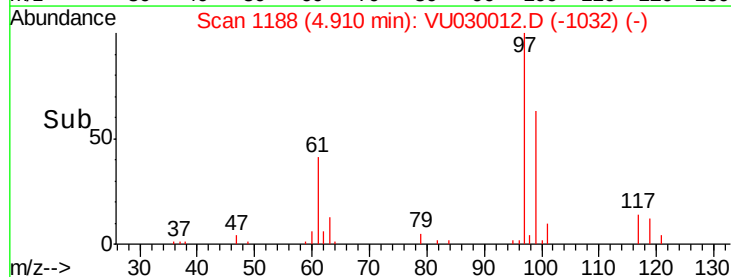
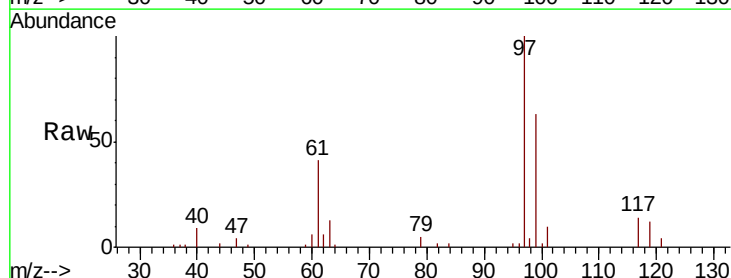
Instrument :
MSVOA_U
ClientSampleId :
VU0314WBSD01

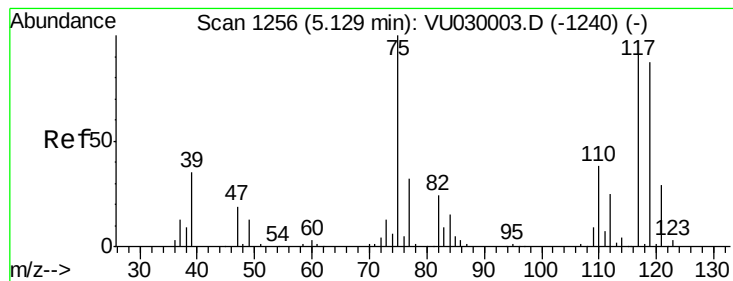
Tgt Ion: 83 Resp: 57041
Ion Ratio Lower Upper
83 100
85 64.5 0.0 129.0



#28
1,1,1-Trichloroethane
Concen: 1.988 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

Tgt Ion: 97 Resp: 49688
Ion Ratio Lower Upper
97 100
99 63.5 32.4 97.0
61 41.2 20.4 61.2





#29

1,1-Dichloropropene

Concen: 1.855 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU0314WBSD01

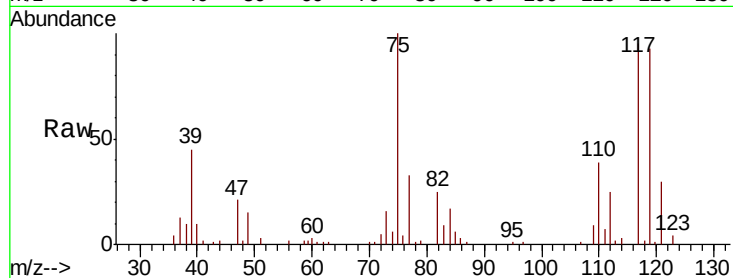
Tgt Ion: 75 Resp: 42222

Ion Ratio Lower Upper

75 100

110 37.7 19.1 57.3

77 32.7 25.2 37.8

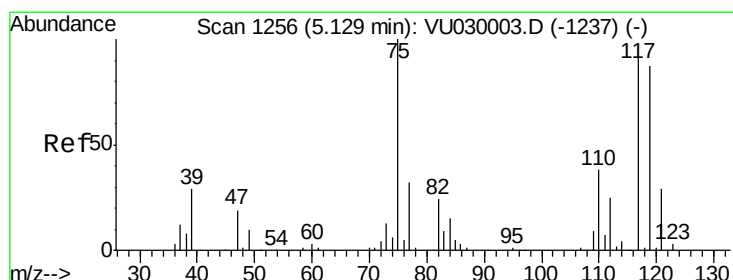
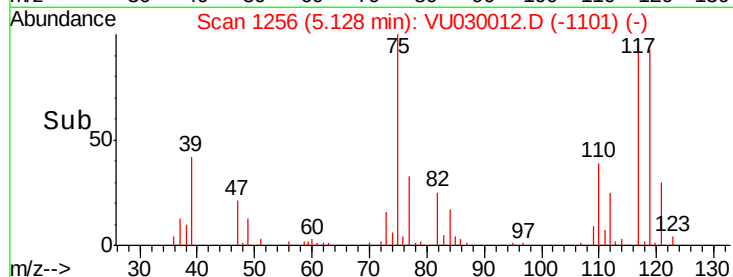
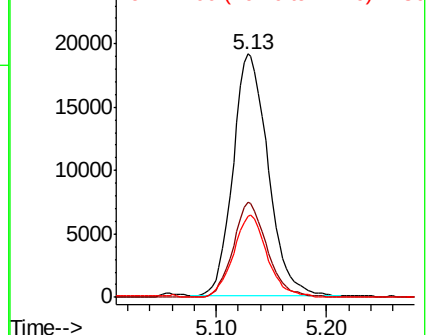


Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU0



#30

Carbon Tetrachloride

Concen: 1.858 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

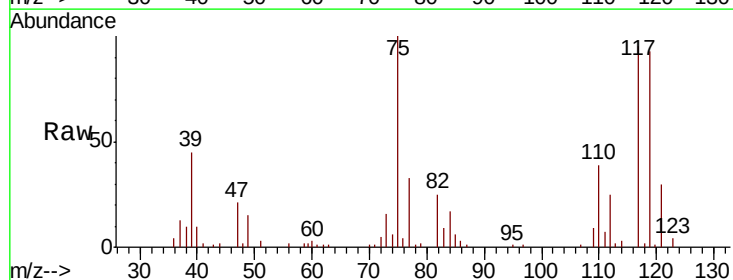
Tgt Ion: 117 Resp: 41520

Ion Ratio Lower Upper

117 100

119 98.1 76.3 114.5

121 32.0 25.1 37.7

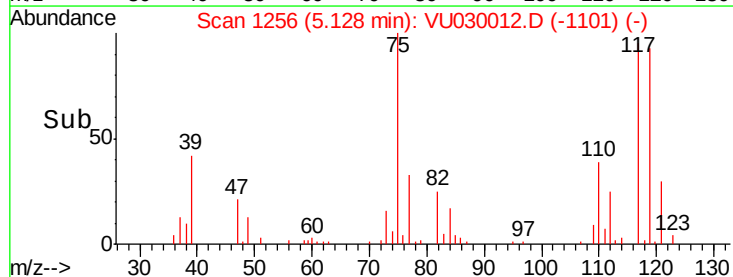
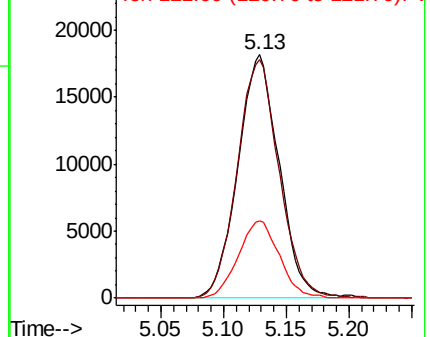


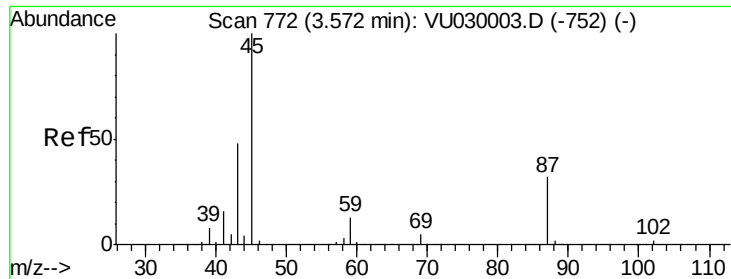
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#31

Isopropyl Ether

Concen: 1.890 ug/l

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

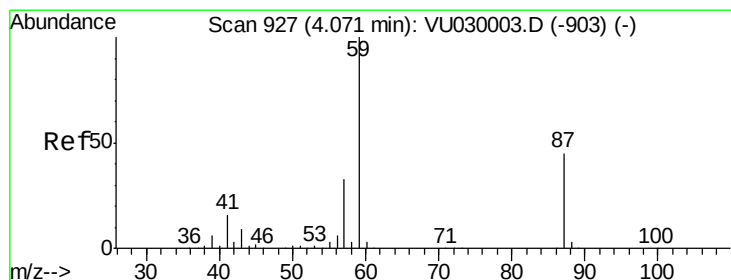
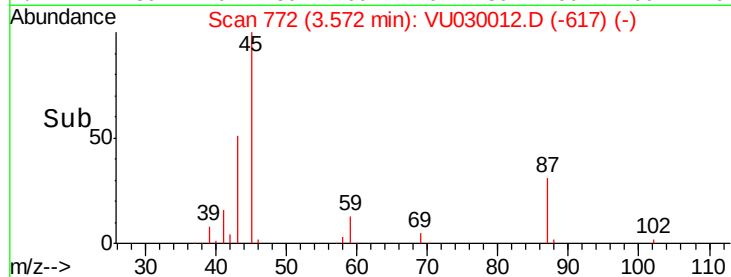
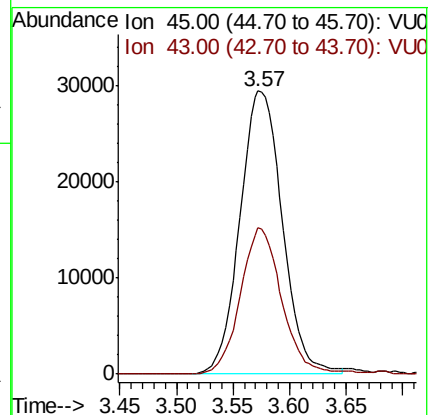
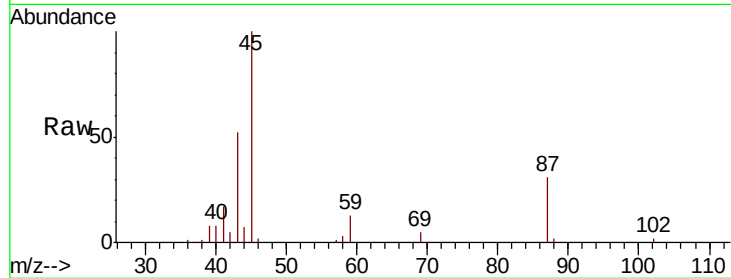
VU0314WBSD01

Tgt Ion: 45 Resp: 76813

Ion Ratio Lower Upper

45 100

43 50.4 24.5 73.5



#32

Ethyl-t-butyl ether

Concen: 1.970 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU030012.D

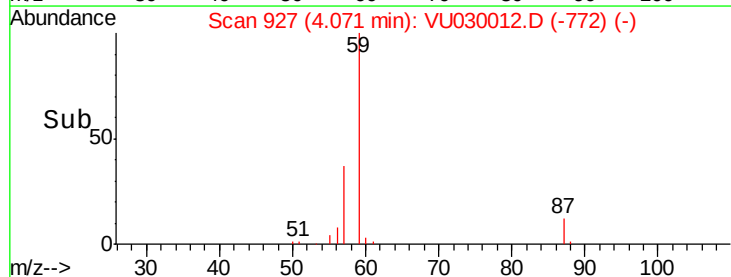
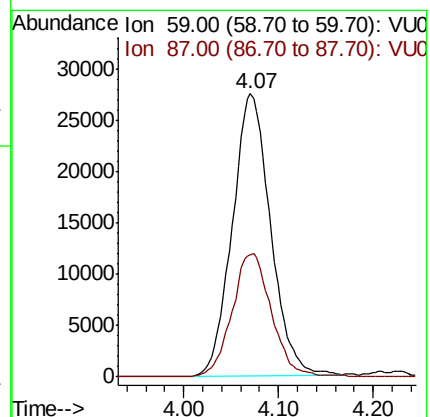
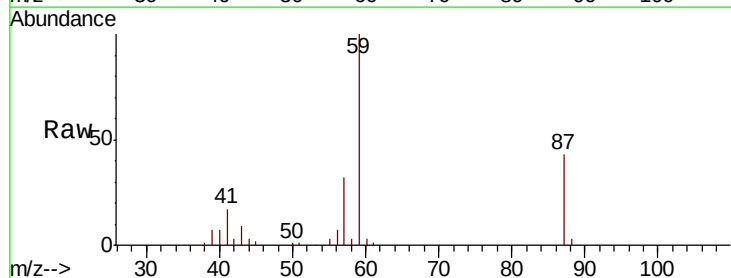
Acq: 12 Mar 2019 17:40

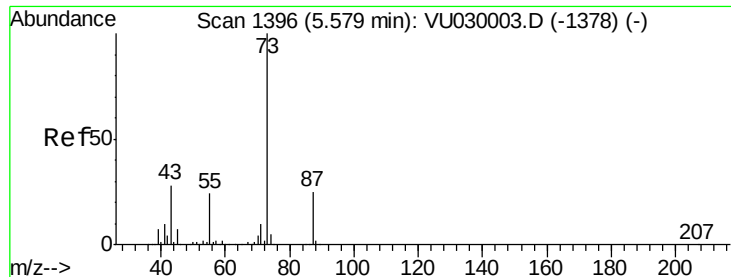
Tgt Ion: 59 Resp: 77135

Ion Ratio Lower Upper

59 100

87 43.7 36.2 54.4

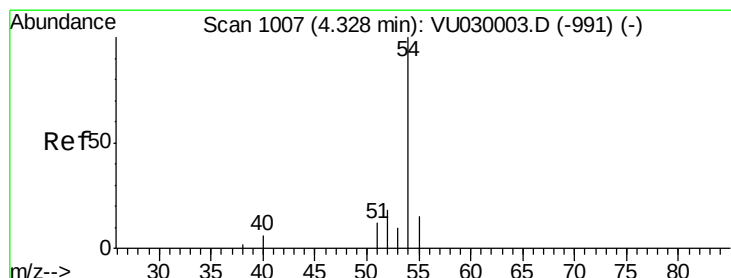
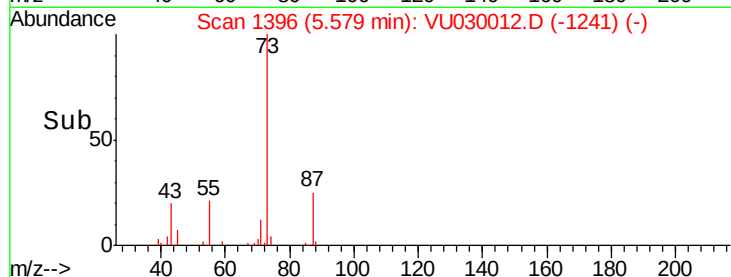
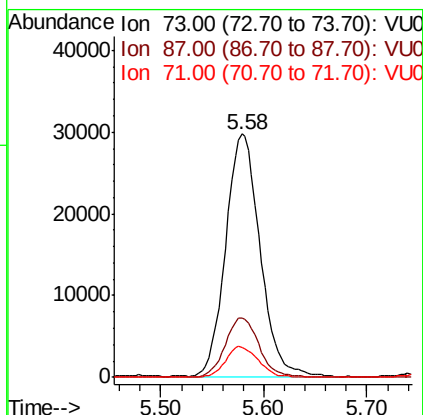
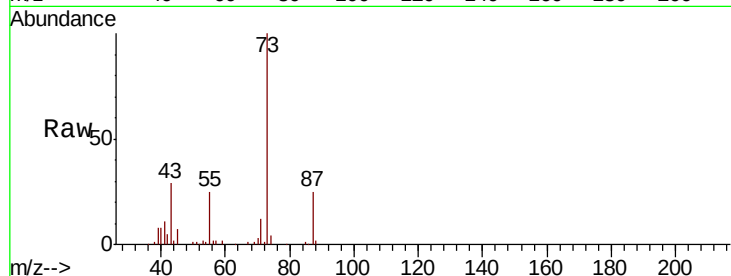




#33
Tert-Amyl methyl ether
Concen: 1.916 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

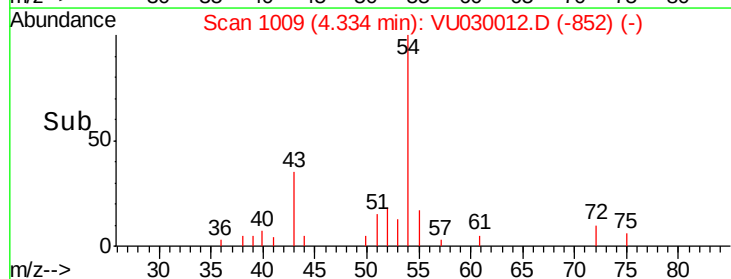
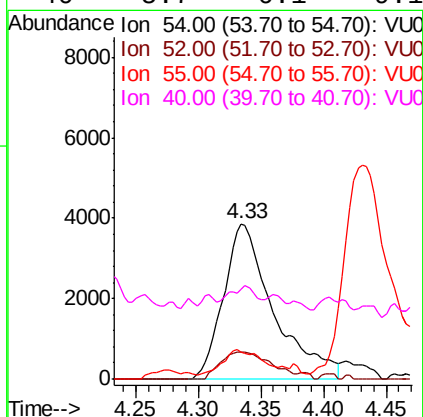
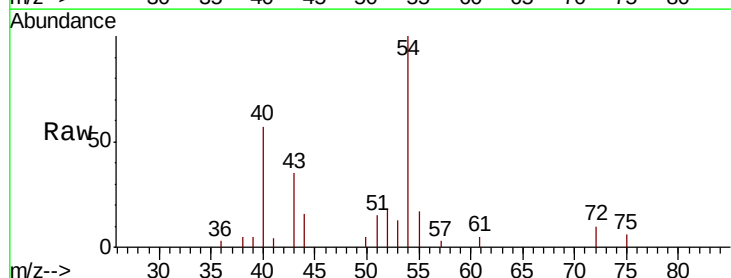
Instrument :
MSVOA_U
ClientSampleId :
VU0314WBSD01

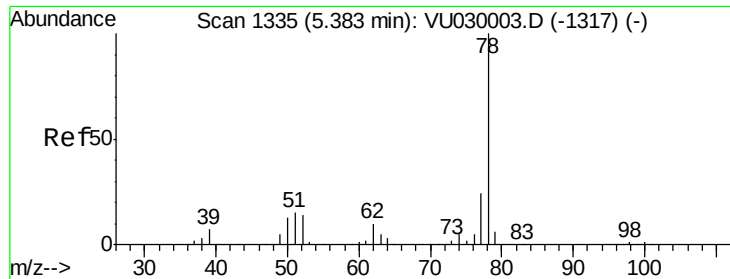
Tgt Ion: 73 Resp: 68667
Ion Ratio Lower Upper
73 100
87 24.2 19.7 29.5
71 12.2 8.6 13.0



#34
Propionitrile
Concen: 9.892 ug/l
RT: 4.33 min Scan# 1009
Delta R.T. 0.01 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

Tgt Ion: 54 Resp: 10648
Ion Ratio Lower Upper
54 100
52 17.4 15.8 23.6
55 13.2 12.5 18.7
40 5.7 6.1 9.1#





#35

Benzene

Concen: 1.937 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

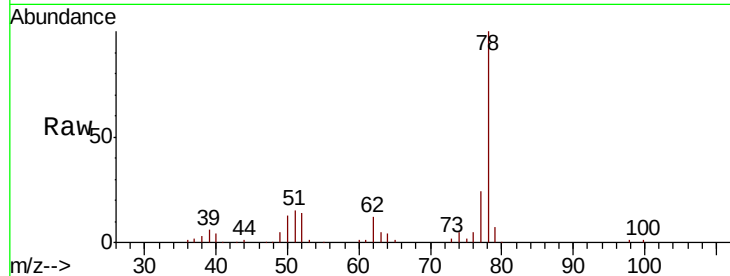
VU0314WBSD01

Tgt Ion: 78 Resp: 128974

Ion Ratio Lower Upper

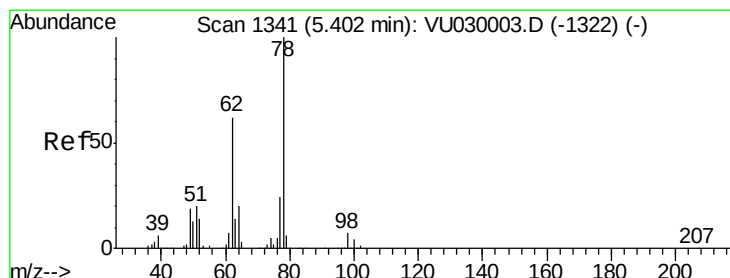
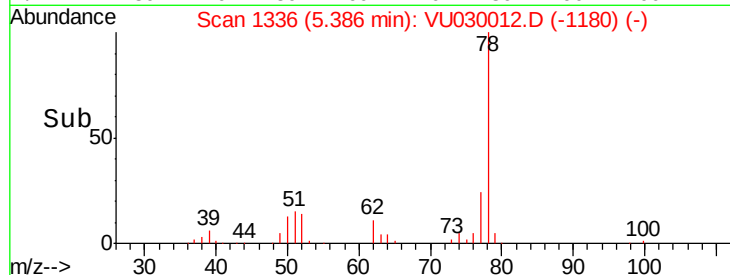
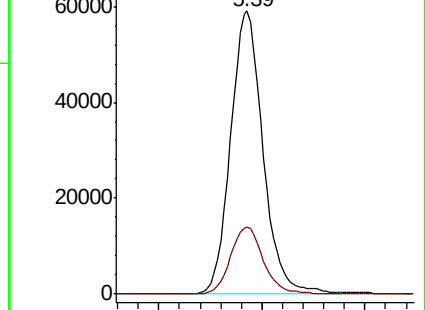
78 100

77 23.5 18.9 28.3



Abundance Ion 78.10 (77.80 to 78.80): VU030003.D (-1317) (-)

Ion 77.00 (76.70 to 77.70): VU030003.D (-1317) (-)



#36

1,2-Dichloroethane

Concen: 1.898 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU030012.D

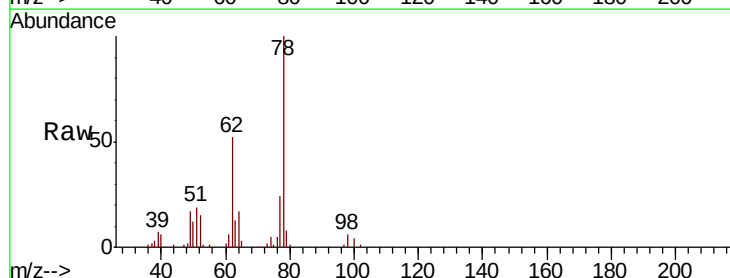
Acq: 12 Mar 2019 17:40

Tgt Ion: 62 Resp: 33796

Ion Ratio Lower Upper

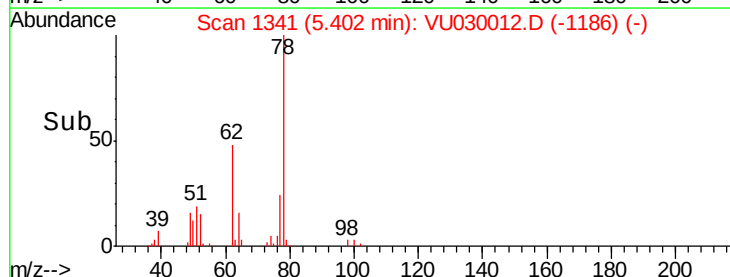
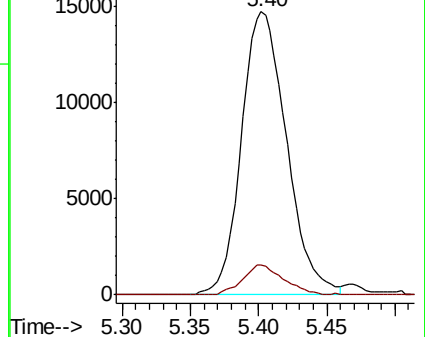
62 100

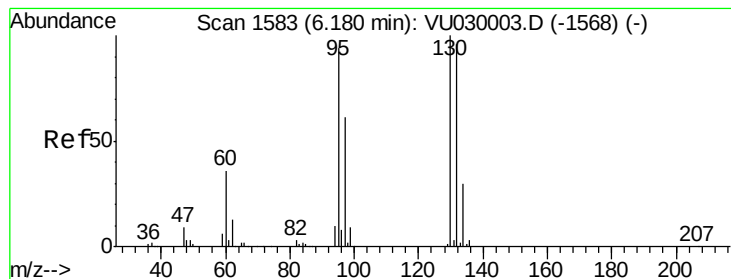
98 9.6 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VU030003.D (-1322) (-)

Ion 98.00 (97.70 to 98.70): VU030003.D (-1322) (-)





#37

Trichloroethene

Concen: 1.951 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

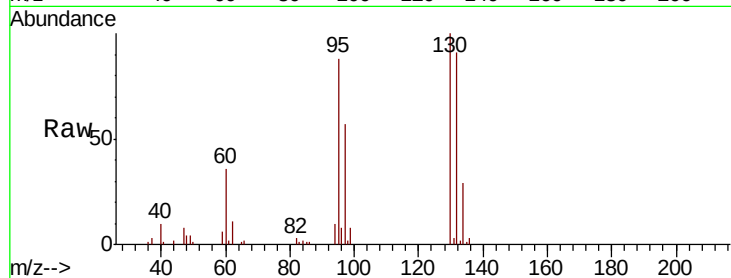
VU0314WBSD01

Tgt Ion:130 Resp: 37426

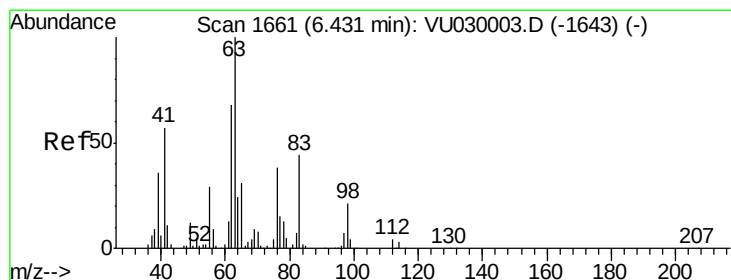
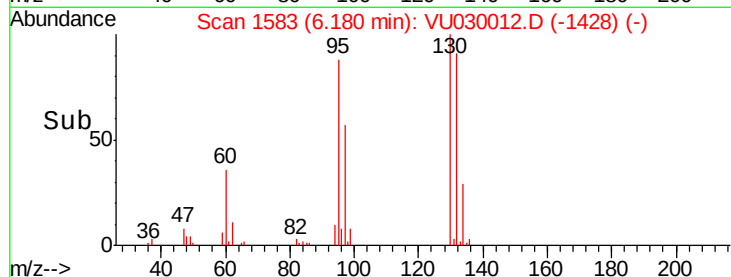
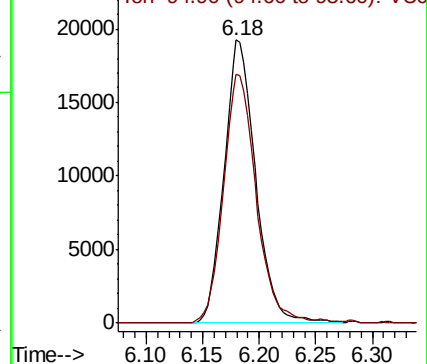
Ion Ratio Lower Upper

130 100

95 87.9 75.2 112.8



Abundance Ion 129.90 (129.60 to 130.60): VU030003.D (-1568) (-)



#38

1,2-Dichloropropane

Concen: 1.918 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VU030012.D

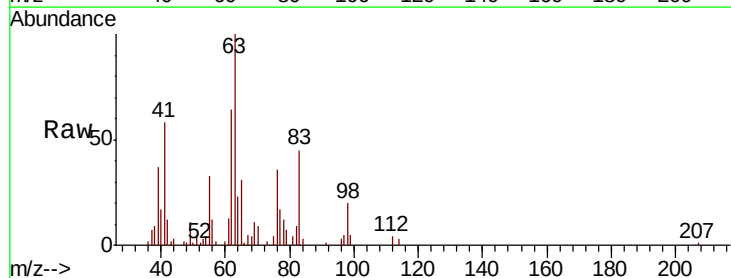
Acq: 12 Mar 2019 17:40

Tgt Ion: 63 Resp: 32475

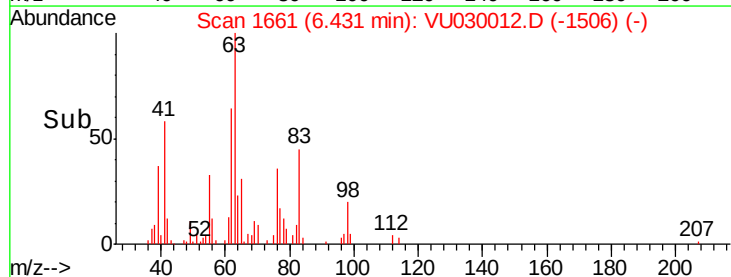
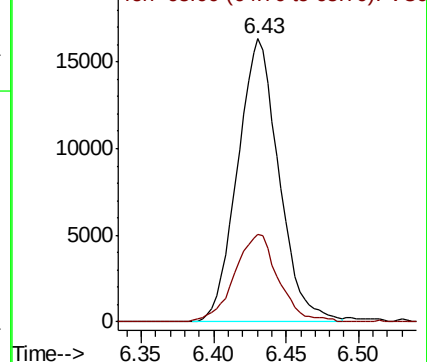
Ion Ratio Lower Upper

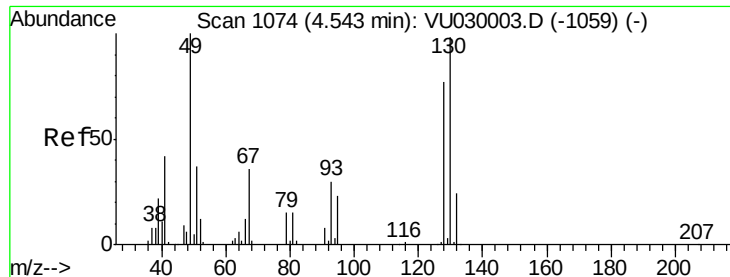
63 100

65 31.1 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU030003.D (-1643) (-)

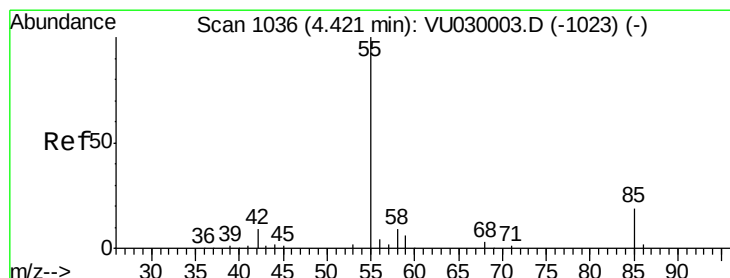
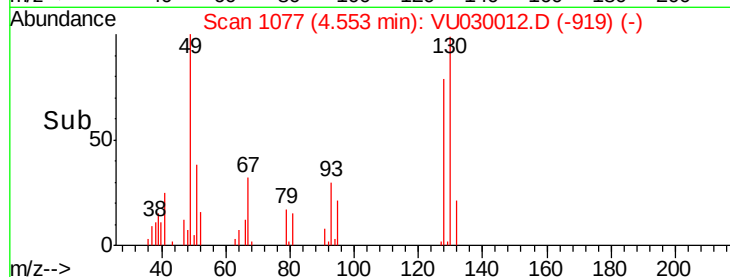
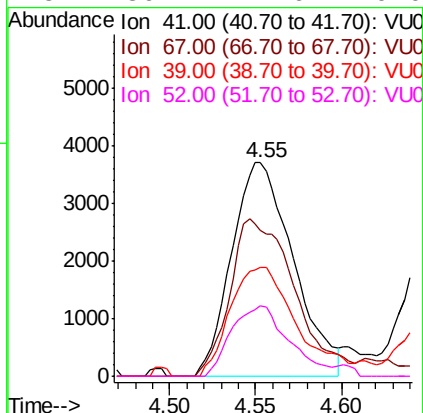
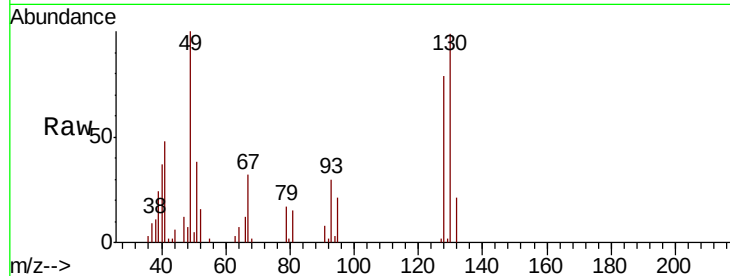




#39
Methacrylonitrile
Concen: 1.963 ug/l
RT: 4.55 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

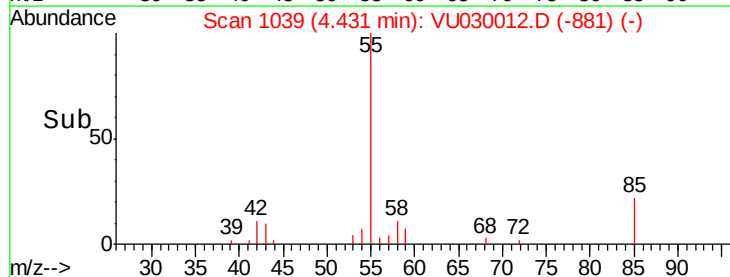
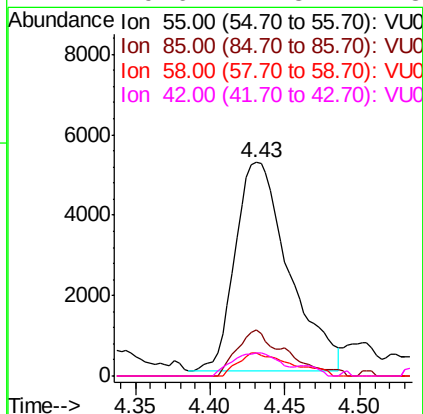
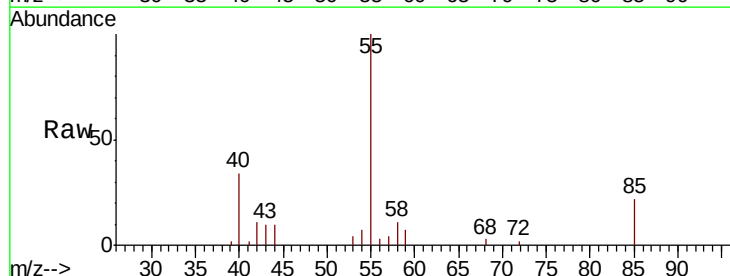
Instrument :
MSVOA_U
ClientSampleId :
VU0314WBSD01

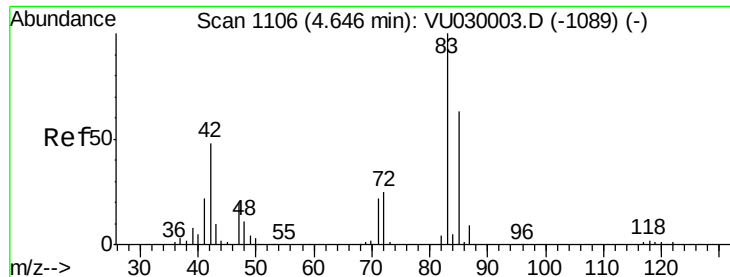
Tgt Ion: 41 Resp: 9216
Ion Ratio Lower Upper
41 100
67 77.5 71.4 107.0
39 55.0 41.9 62.9
52 30.7 12.6 19.0#



#40
Methyl acrylate
Concen: 1.749 ug/l
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

Tgt Ion: 55 Resp: 12972
Ion Ratio Lower Upper
55 100
85 20.1 16.2 24.2
58 10.8 7.0 10.6#
42 9.6 7.8 11.8





#41

Tetrahydrofuran

Concen: 3.388 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU0314WBSD01

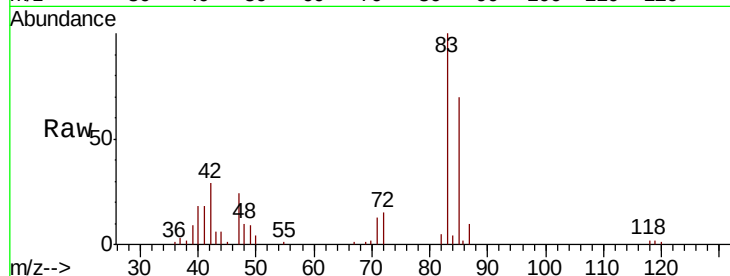
Tgt Ion: 42 Resp: 8797

Ion Ratio Lower Upper

42 100

72 52.6 44.9 67.3

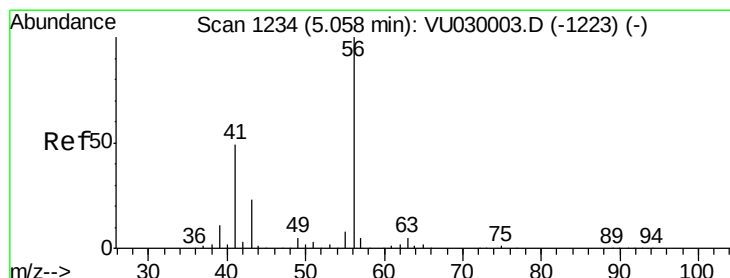
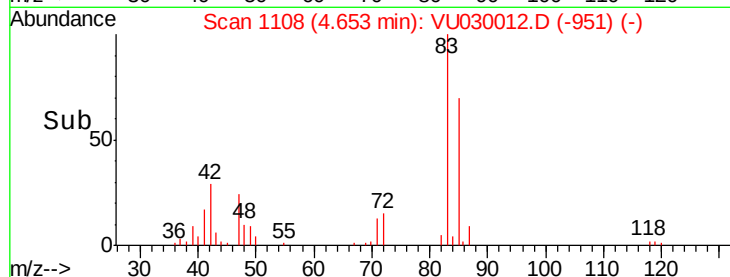
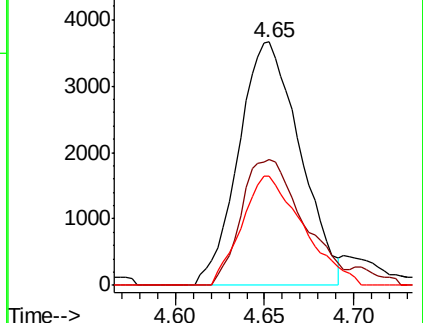
71 45.0 37.8 56.8



Abundance Ion 42.00 (41.70 to 42.70): VU030003.D (-1089) (-)

Ion 72.00 (71.70 to 72.70): VU030003.D (-1089) (-)

Ion 71.00 (70.70 to 71.70): VU030003.D (-1089) (-)



#42

1-Chlorobutane

Concen: 1.844 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VU030012.D

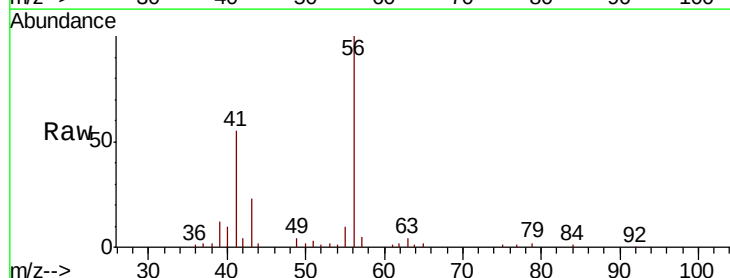
Acq: 12 Mar 2019 17:40

Tgt Ion: 56 Resp: 54968

Ion Ratio Lower Upper

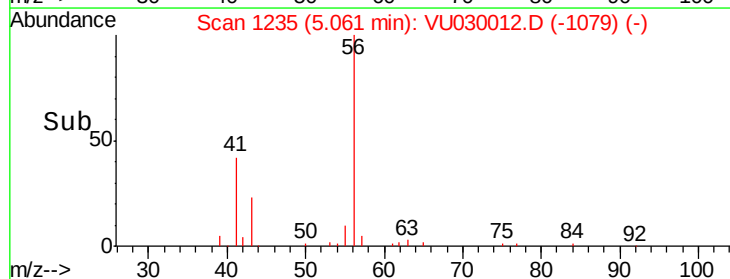
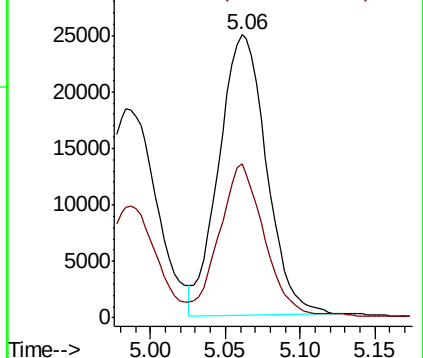
56 100

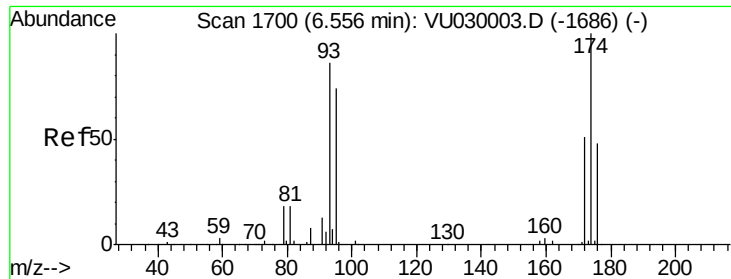
41 49.8 24.7 74.1



Abundance Ion 56.00 (55.70 to 56.70): VU030003.D (-1223) (-)

Ion 41.00 (40.70 to 41.70): VU030003.D (-1223) (-)

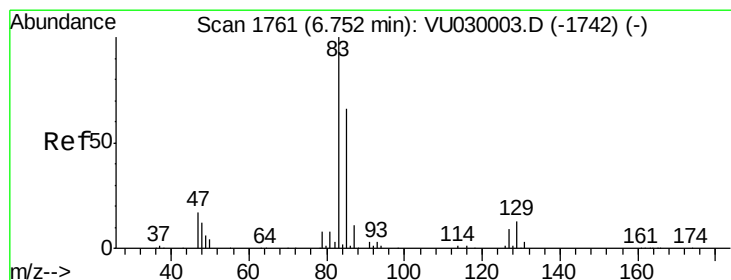
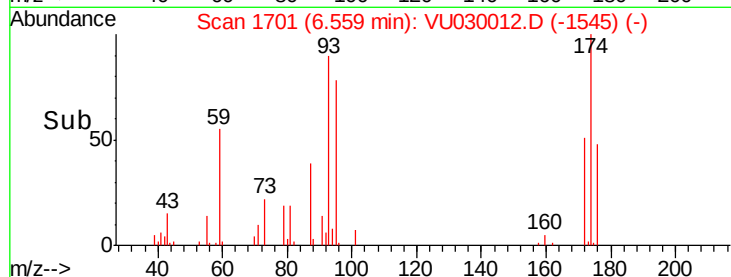
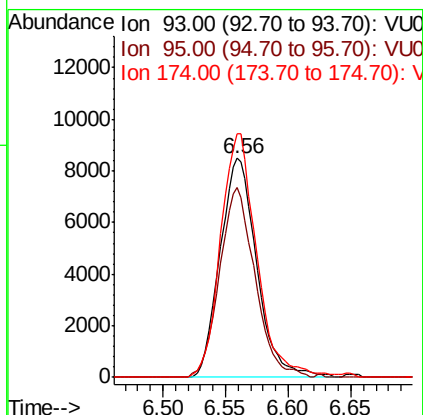
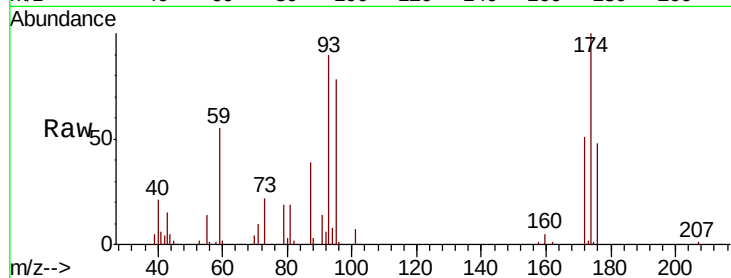




#43
 Dibromomethane
 Concen: 1.976 ug/l
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

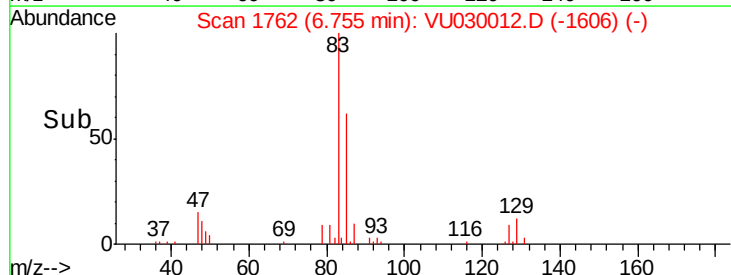
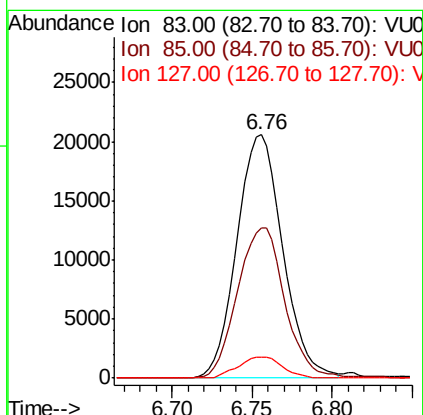
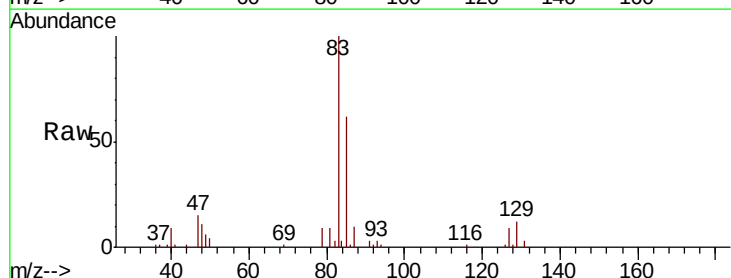
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0314WBSD01

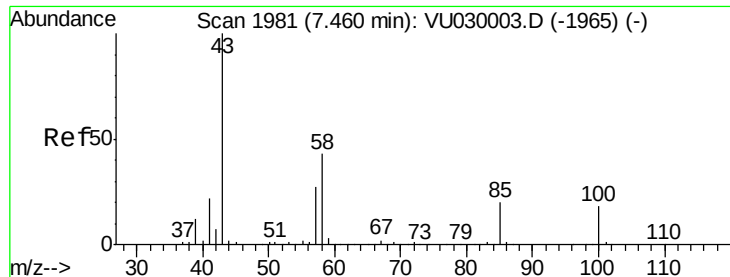
Tgt Ion: 93 Resp: 17305
 Ion Ratio Lower Upper
 93 100
 95 83.5 68.6 102.8
 174 109.4 91.8 137.8



#44
 Bromodichloromethane
 Concen: 1.934 ug/l
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Tgt Ion: 83 Resp: 40409
 Ion Ratio Lower Upper
 83 100
 85 61.9 53.2 79.8
 127 8.8 7.4 11.0





#45

4-Methyl-2-Pentanone

Concen: 9.717 ug/l

RT: 7.46 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU0314WBSD01

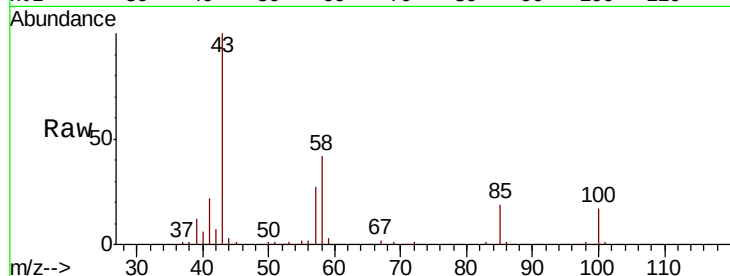
Tgt Ion: 43 Resp: 84080

Ion Ratio Lower Upper

43 100

58 43.4 21.6 64.6

85 20.7 16.3 24.5

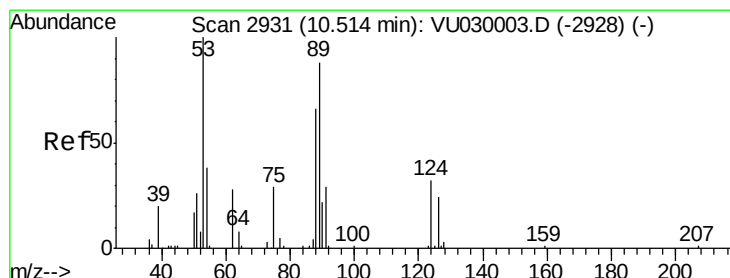
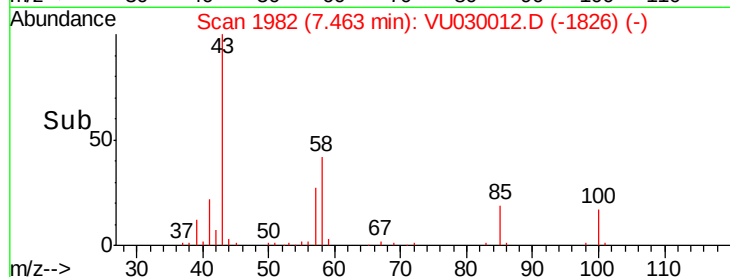
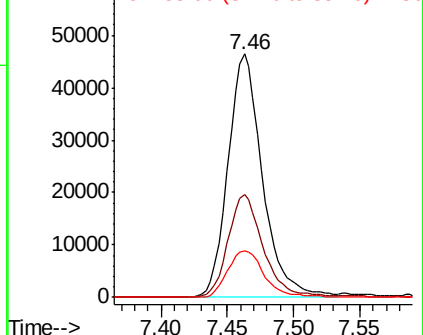


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

t-1,4-Dichloro-2-butene

Concen: 8.573 ug/l

RT: 10.49 min Scan# 2925

Delta R.T. -0.02 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Tgt Ion: 75 Resp: 33063

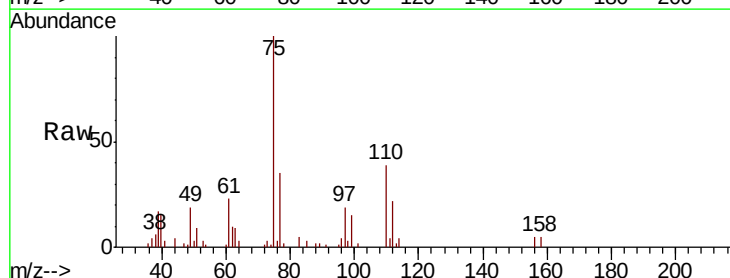
Ion Ratio Lower Upper

75 100

53 30.9 57.0 85.6#

89 21.9 43.6 65.4#

88 15.6 31.5 47.3#



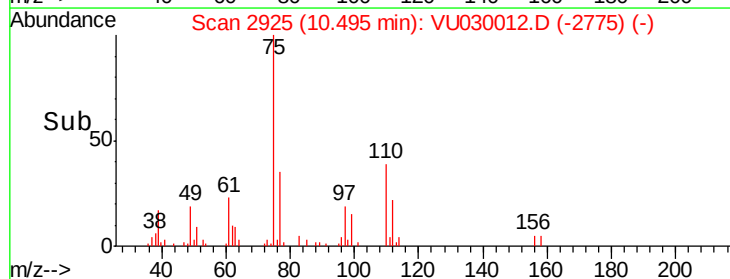
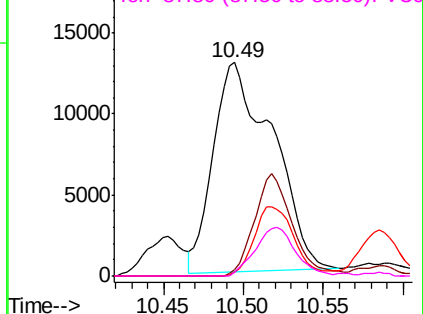
Abundance

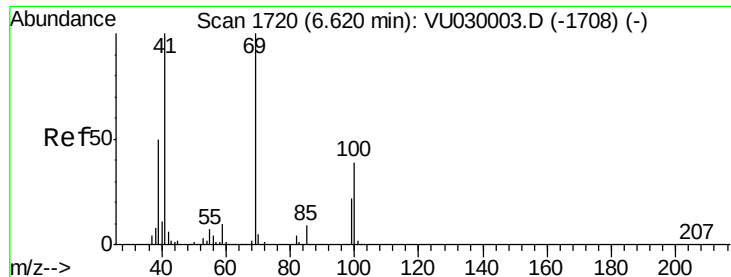
Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.80 (88.50 to 89.50): VU0

Ion 87.80 (87.50 to 88.50): VU0





#47

Methyl methacrylate

Concen: 3.799 ug/l

RT: 6.63 min Scan# 1722

Delta R.T. 0.01 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU0314WBSD01

Tgt Ion: 69 Resp: 27875

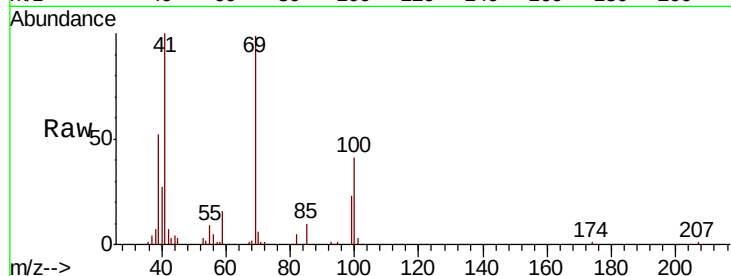
Ion Ratio Lower Upper

69 100

41 102.2 0.0 197.8

39 54.3 40.2 60.4

100 38.7 31.0 46.6



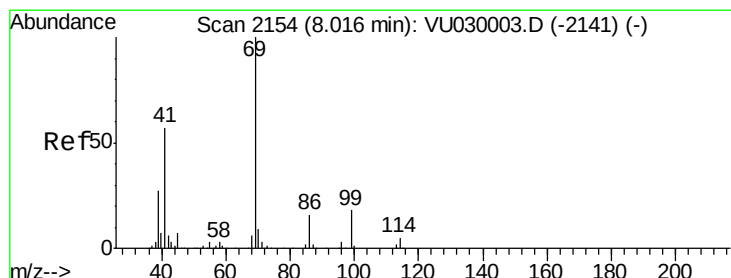
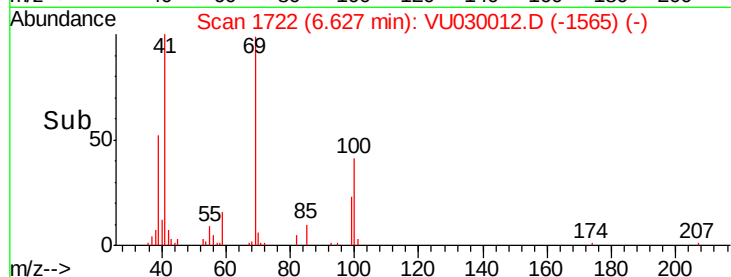
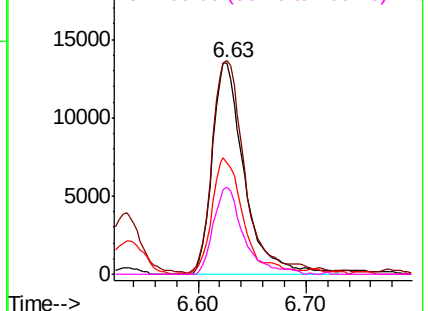
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#48

Ethyl methacrylate

Concen: 1.987 ug/l

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VU030012.D

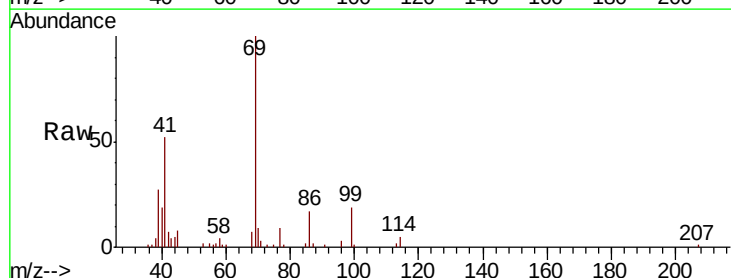
Acq: 12 Mar 2019 17:40

Tgt Ion: 69 Resp: 27492

Ion Ratio Lower Upper

69 100

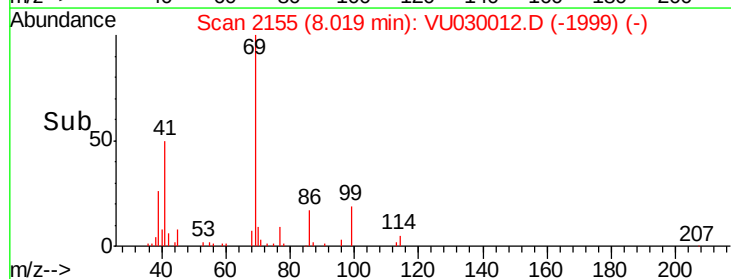
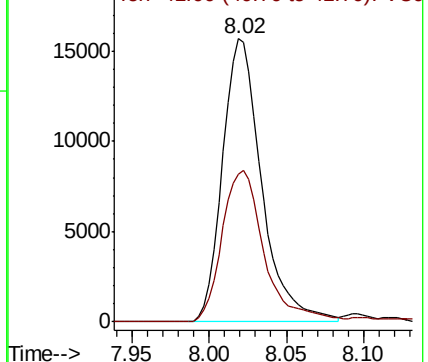
41 57.6 28.1 84.4

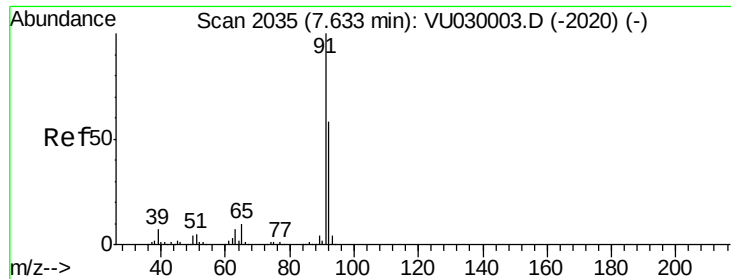


Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 1.937 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

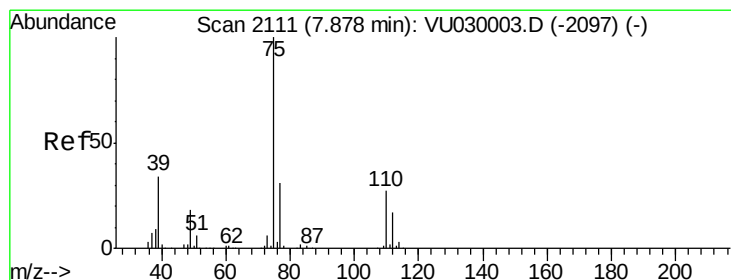
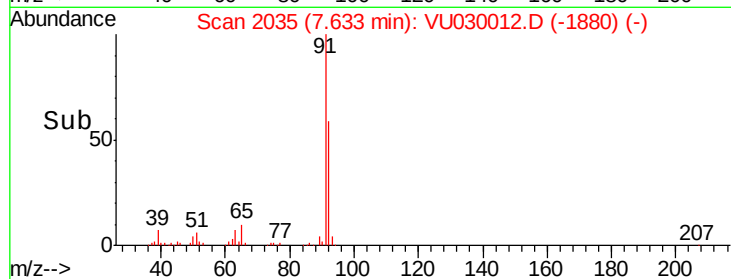
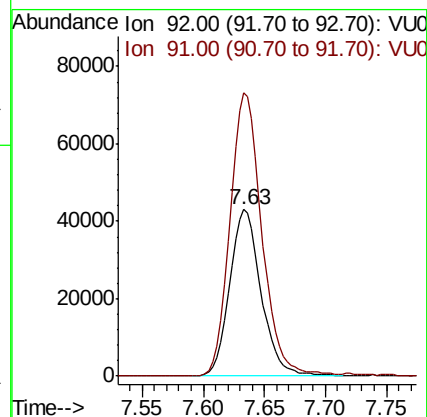
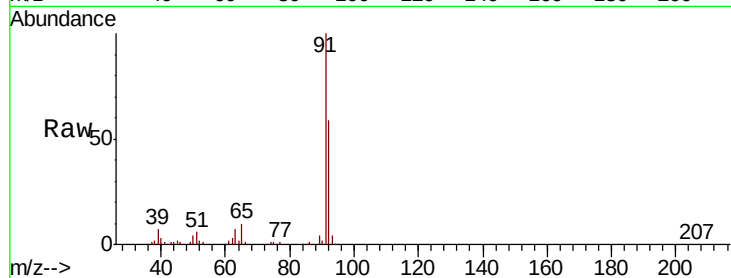
VU0314WBSD01

Tgt Ion: 92 Resp: 77734

Ion Ratio Lower Upper

92 100

91 172.4 140.1 210.1



#50

t-1,3-Dichloropropene

Concen: 1.904 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU030012.D

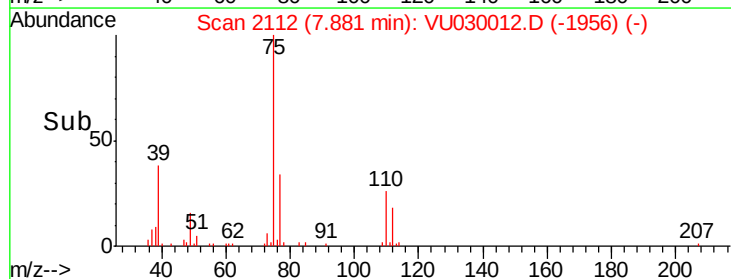
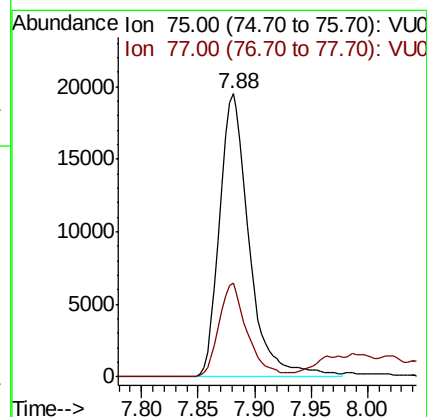
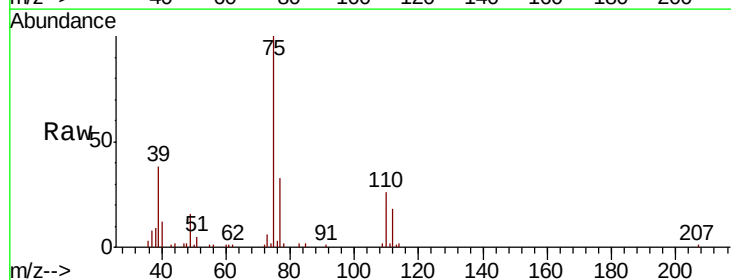
Acq: 12 Mar 2019 17:40

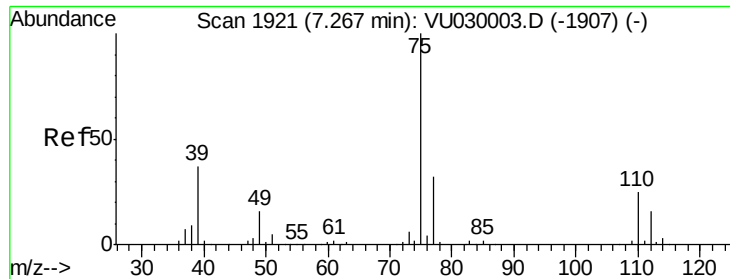
Tgt Ion: 75 Resp: 35631

Ion Ratio Lower Upper

75 100

77 33.3 25.1 37.7



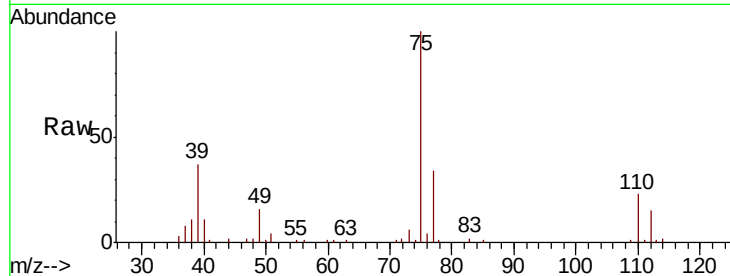


#51

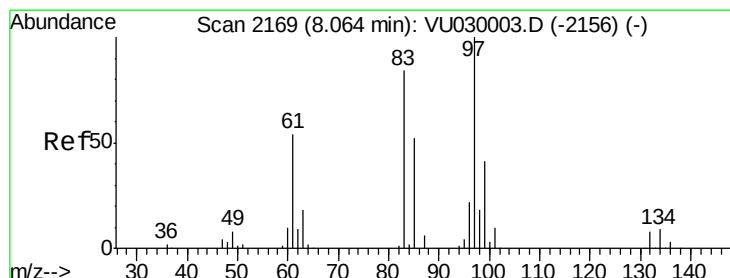
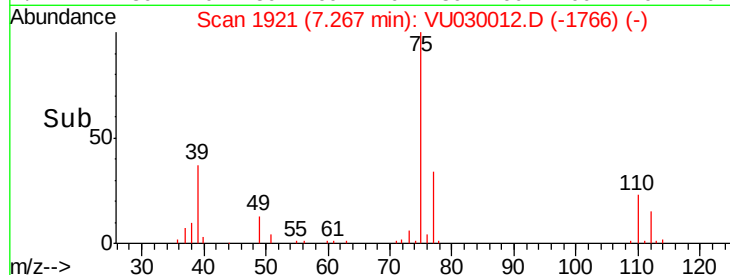
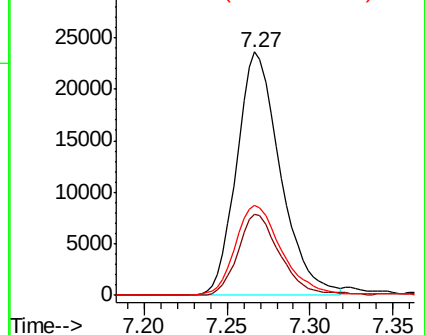
cis-1,3-Dichloropropene
 Concen: 1.840 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0314WBSD01

Tgt Ion: 75 Resp: 43270
 Ion Ratio Lower Upper
 75 100
 77 33.5 26.0 39.0
 39 36.9 29.5 44.3



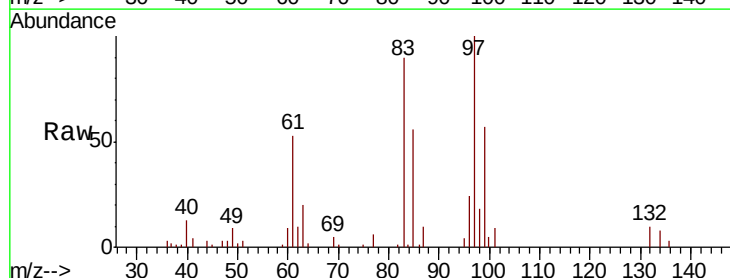
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0



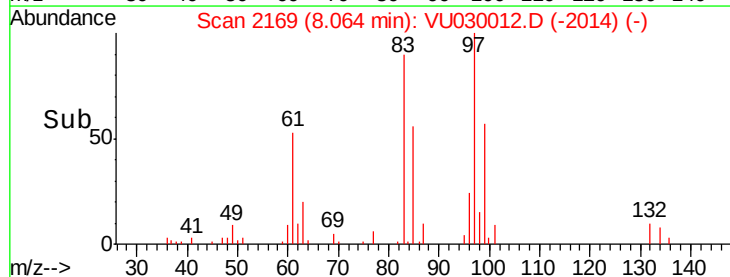
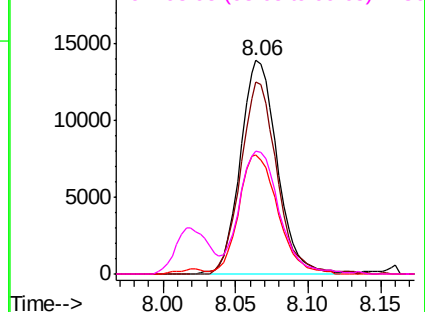
#52

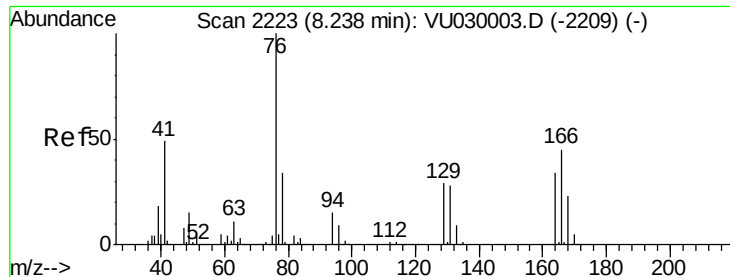
1,1,2-Trichloroethane
 Concen: 1.983 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Tgt Ion: 97 Resp: 24552
 Ion Ratio Lower Upper
 97 100
 83 89.6 67.4 101.0
 85 55.8 42.6 64.0
 99 56.3 48.9 73.3



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0





#53

1,3-Dichloropropane

Concen: 1.973 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

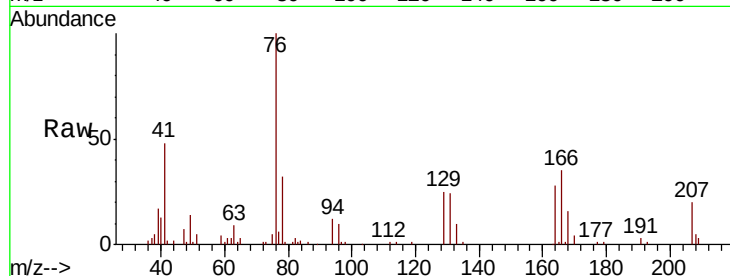
VU0314WBSD01

Tgt Ion: 76 Resp: 40859

Ion Ratio Lower Upper

76 100

78 32.4 26.4 39.6

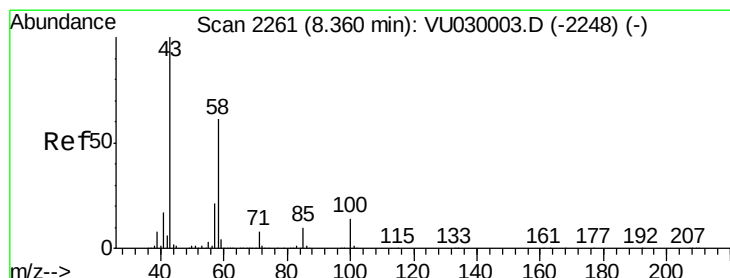
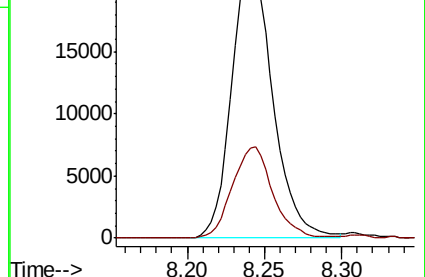
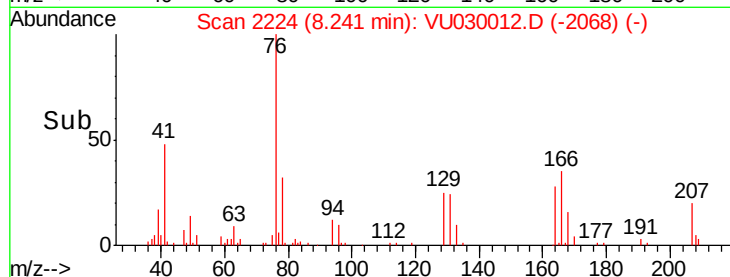


Abundance Ion 76.00 (75.70 to 76.70): VU030003.D (-2209) (-)

Ion 78.00 (77.70 to 78.70): VU030003.D (-2209) (-)

8.24

Time-->



#54

2-Hexanone

Concen: 9.737 ug/l

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

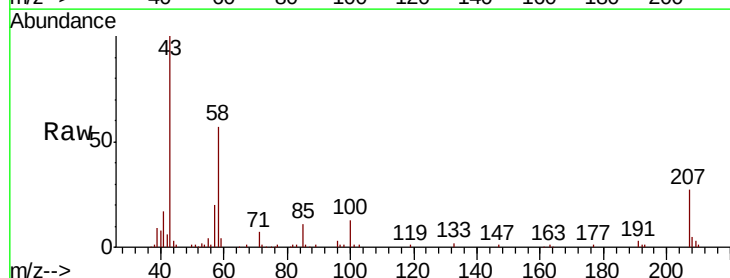
Tgt Ion: 43 Resp: 60705

Ion Ratio Lower Upper

43 100

58 57.2 40.3 80.3

57 20.2 0.6 40.6



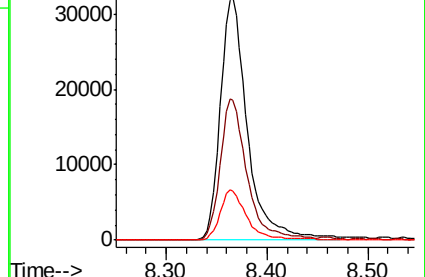
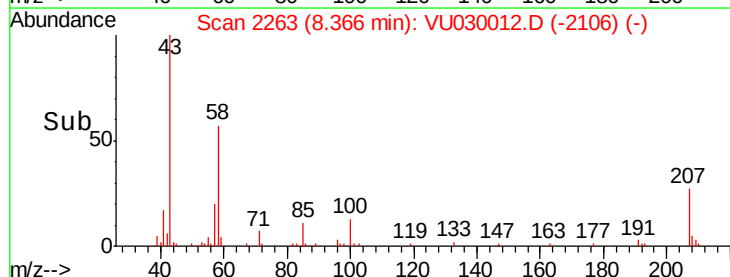
Abundance Ion 43.00 (42.70 to 43.70): VU030003.D (-2248) (-)

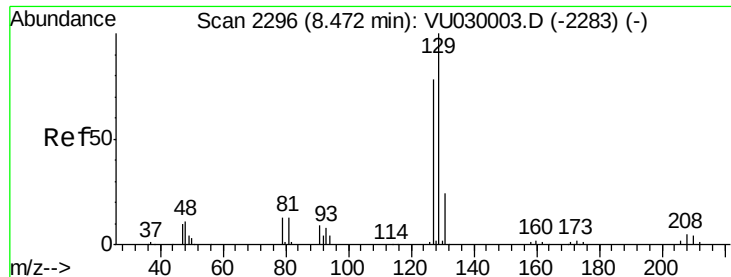
Ion 58.00 (57.70 to 58.70): VU030003.D (-2248) (-)

Ion 57.00 (56.70 to 57.70): VU030003.D (-2248) (-)

8.37

Time-->

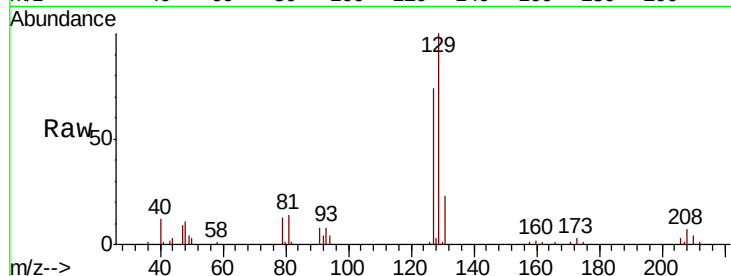




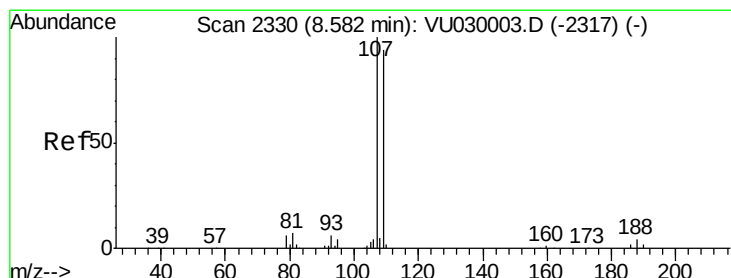
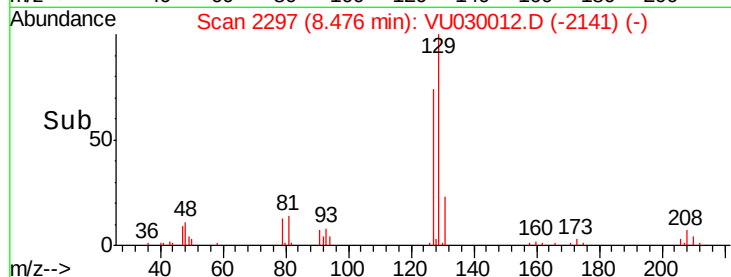
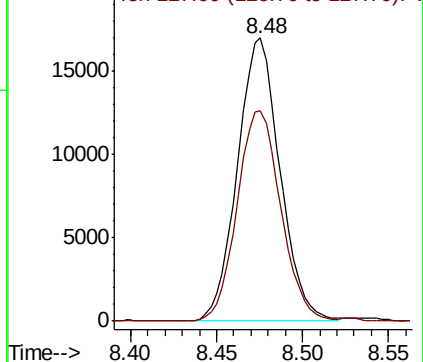
#55
 Dibromochloromethane
 Concen: 1.963 ug/l
 RT: 8.48 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0314WBSD01

Tgt Ion:129 Resp: 29235
 Ion Ratio Lower Upper
 129 100
 127 75.9 62.4 93.6

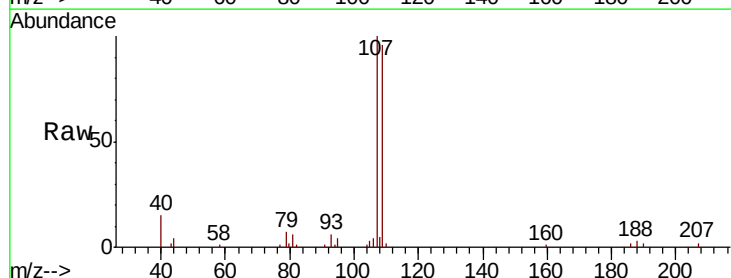


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

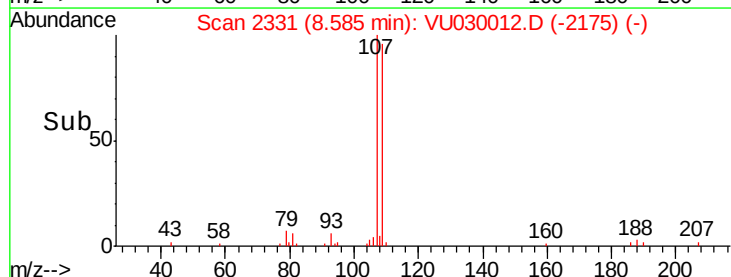
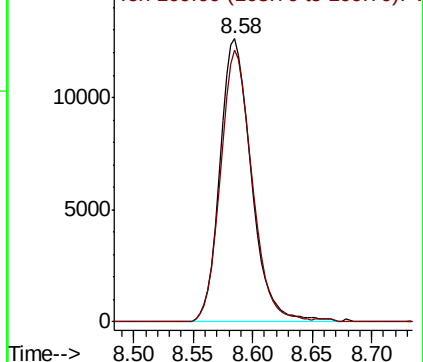


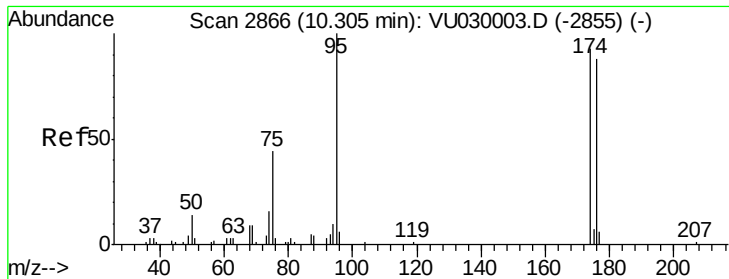
#56
 1,2-Dibromoethane
 Concen: 1.945 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Tgt Ion:107 Resp: 23180
 Ion Ratio Lower Upper
 107 100
 109 95.8 0.0 186.8



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 1.945 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU0314WBSD01

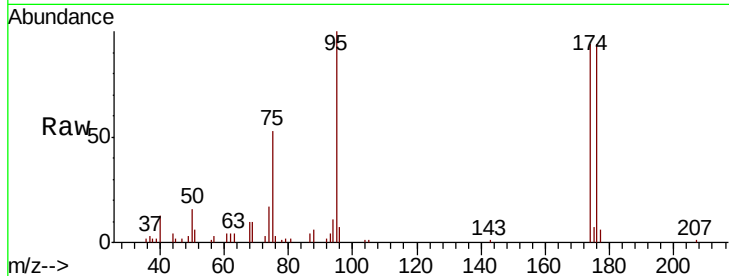
Tgt Ion: 95 Resp: 20919

Ion Ratio Lower Upper

95 100

174 92.1 78.1 117.1

176 89.0 70.8 106.2

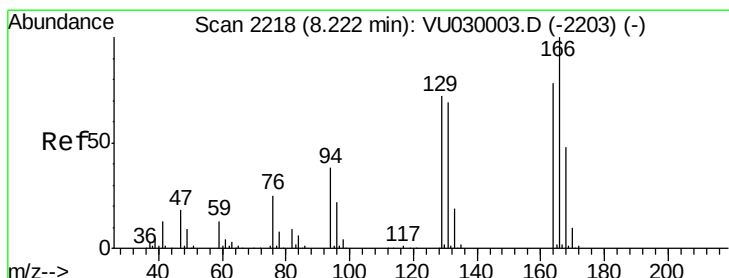
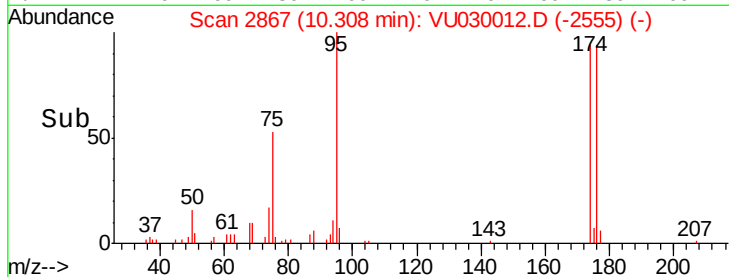
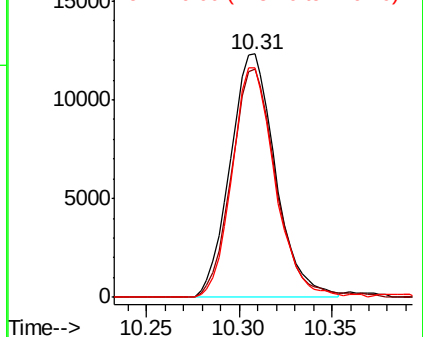


Abundance

Ion 95.00 (94.70 to 95.70): VU030003.D (-2855) (-)

Ion 174.00 (173.70 to 174.70): VU030003.D (-2855) (-)

Ion 176.00 (175.70 to 176.70): VU030003.D (-2855) (-)



#58

Tetrachloroethene

Concen: 1.936 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Tgt Ion: 164 Resp: 33720

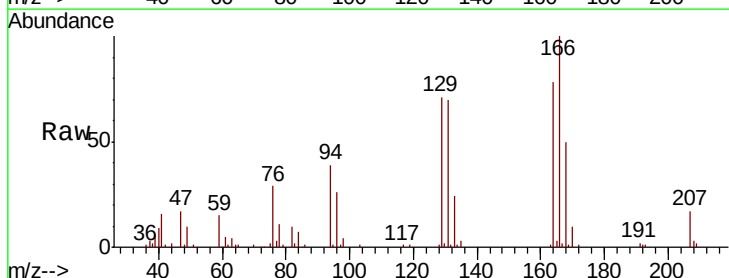
Ion Ratio Lower Upper

164 100

166 127.5 103.2 154.8

129 91.0 74.5 111.7

131 89.1 70.9 106.3



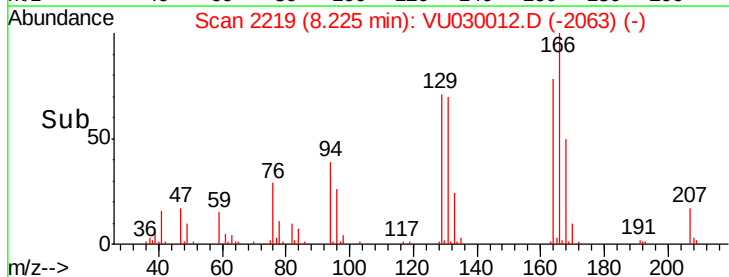
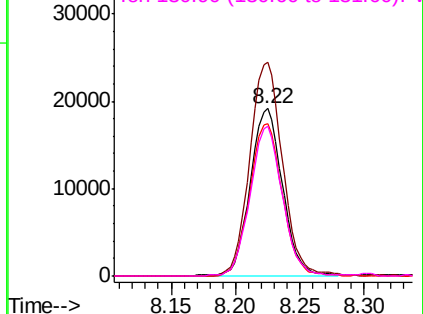
Abundance

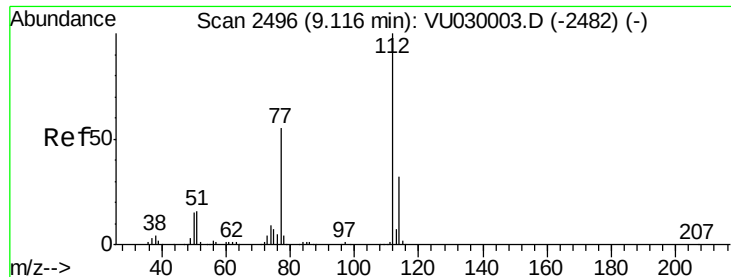
Ion 163.85 (163.55 to 164.55): VU030003.D (-2203) (-)

Ion 165.80 (165.50 to 166.50): VU030003.D (-2203) (-)

Ion 128.90 (128.60 to 129.60): VU030003.D (-2203) (-)

Ion 130.90 (130.60 to 131.60): VU030003.D (-2203) (-)

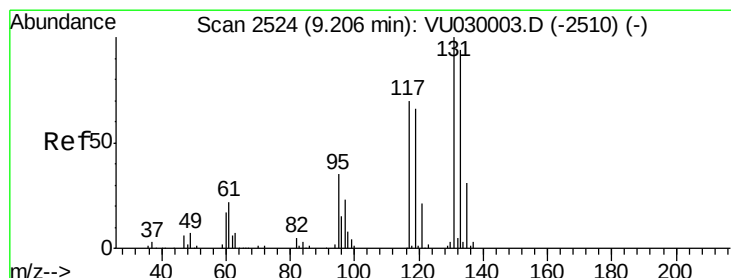
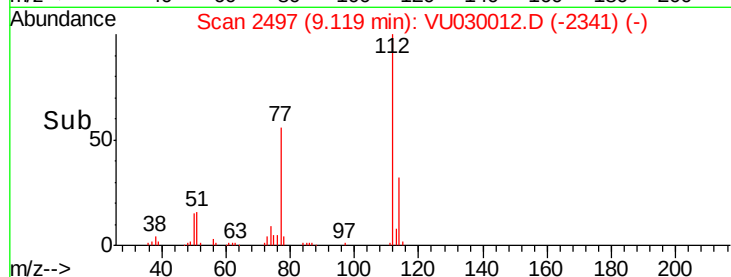
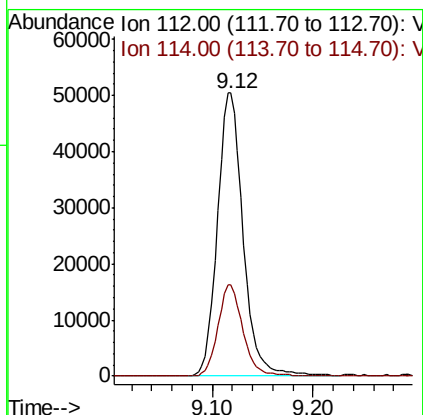
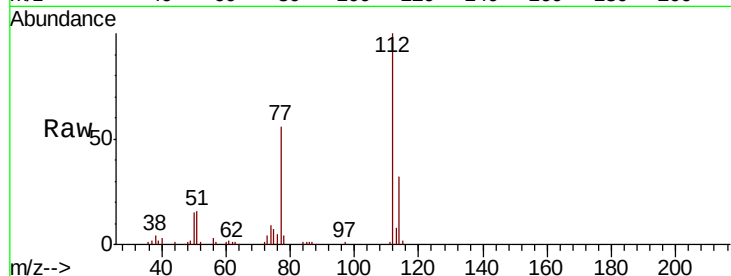




#59
Chlorobenzene
Concen: 1.957 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

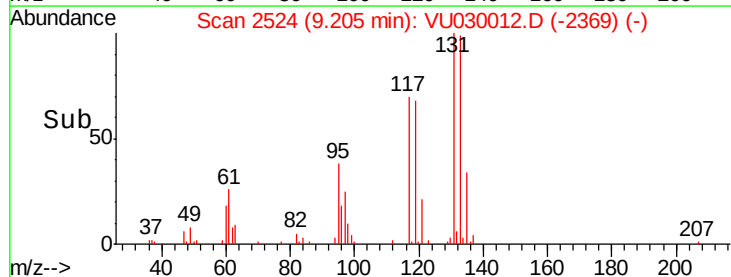
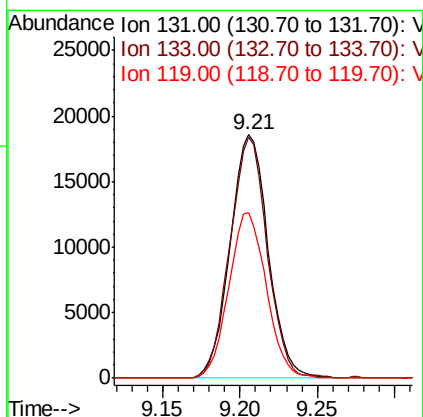
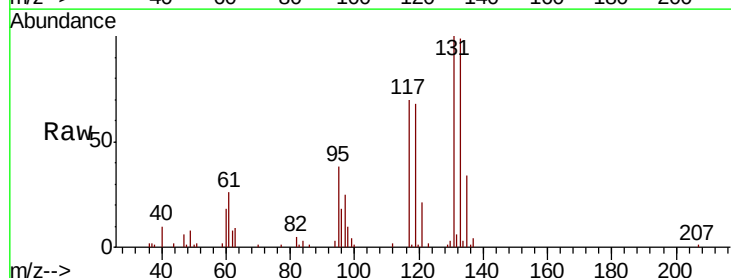
Instrument :
MSVOA_U
ClientSampleId :
VU0314WBSD01

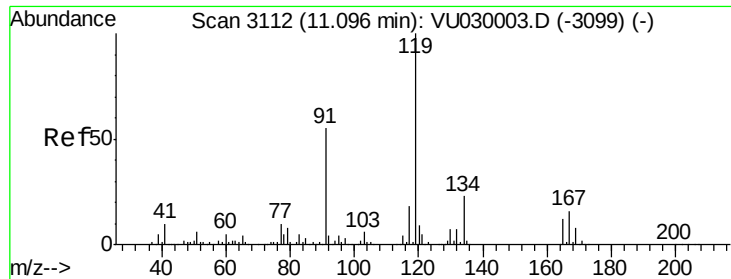
Tgt Ion:112 Resp: 89716
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#60
1,1,1,2-Tetrachloroethane
Concen: 1.949 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

Tgt Ion:131 Resp: 31570
Ion Ratio Lower Upper
131 100
133 97.0 75.6 113.4
119 67.1 53.3 79.9

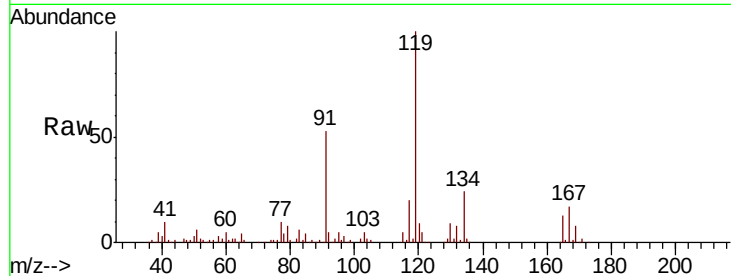




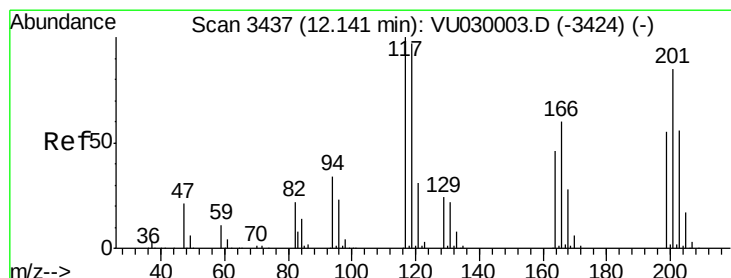
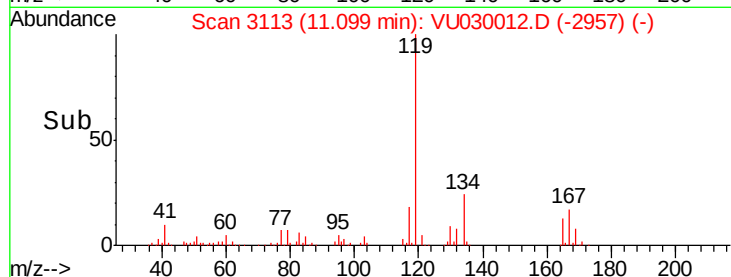
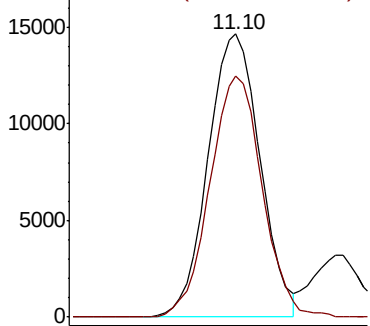
#61
 Pentachloroethane
 Concen: 1.911 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0314WBSD01

Tgt Ion:117 Resp: 23890
 Ion Ratio Lower Upper
 117 100
 167 85.8 73.1 109.7

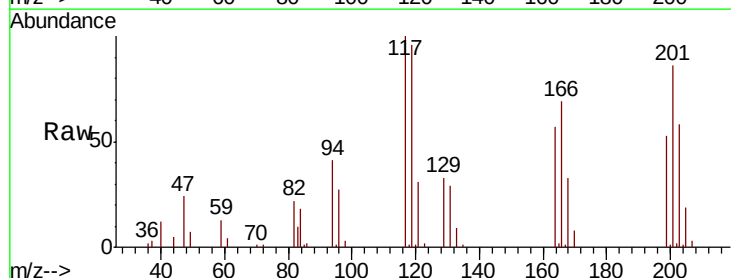


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V

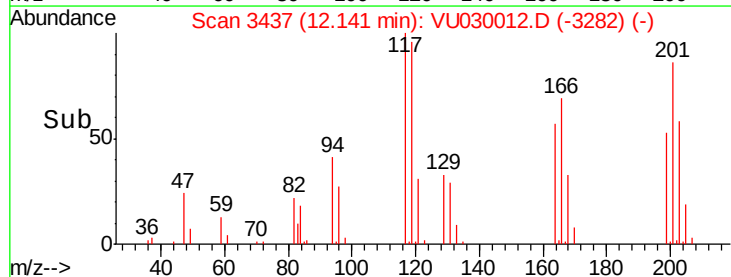
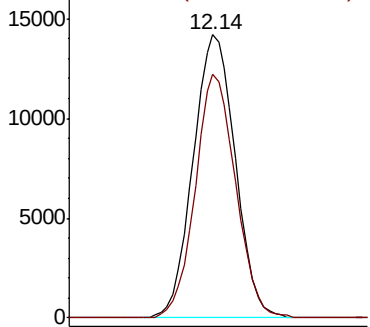


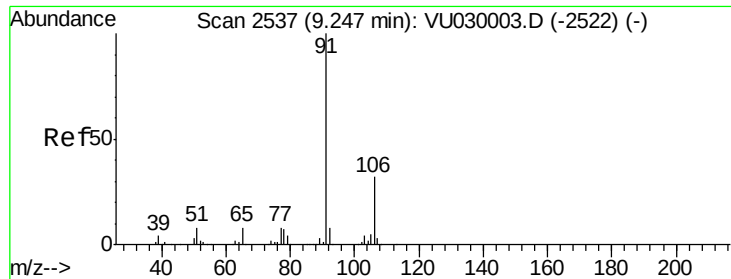
#62
 Hexachloroethane
 Concen: 1.858 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Tgt Ion:117 Resp: 23401
 Ion Ratio Lower Upper
 117 100
 201 82.7 69.5 104.3



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.60 (200.30 to 201.30): V

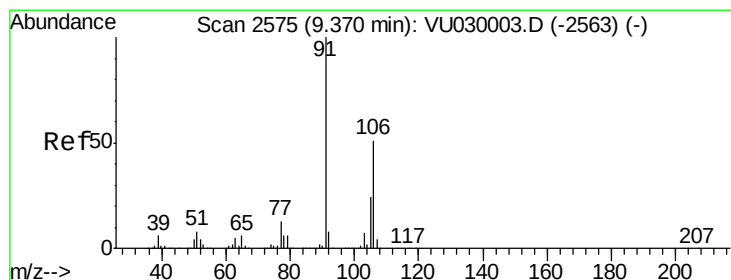
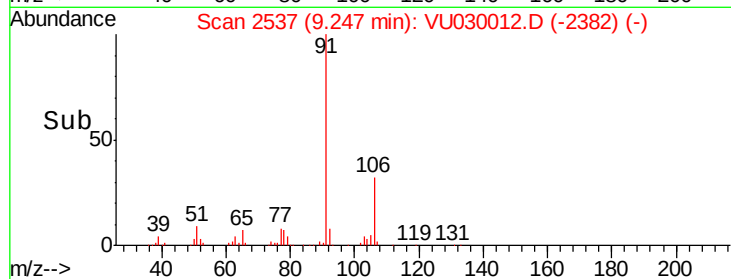
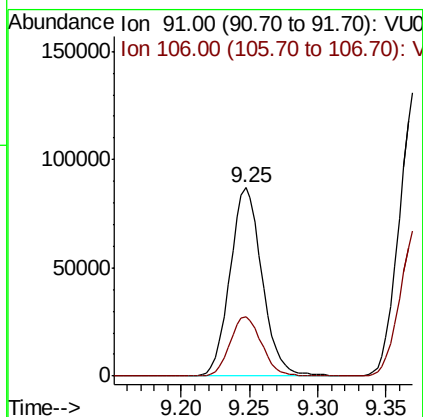
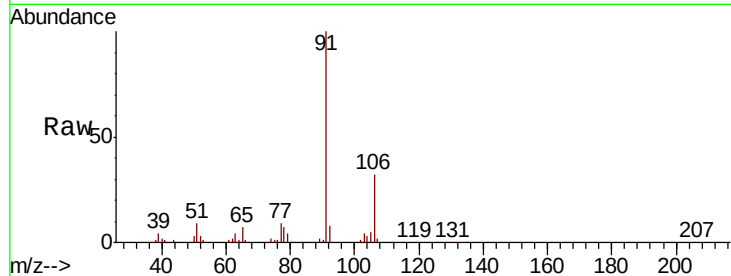




#63
 Ethyl Benzene
 Concen: 1.894 ug/l
 RT: 9.25 min Scan# 2537
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

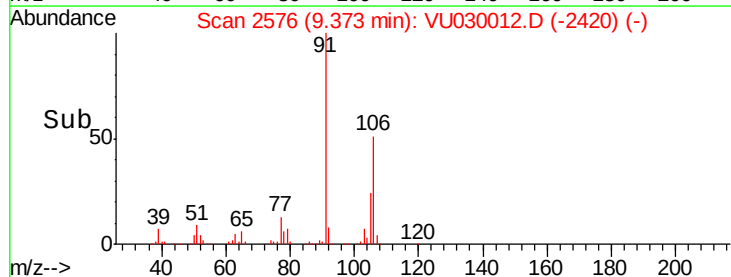
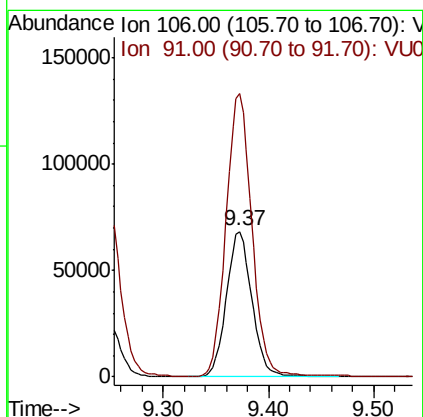
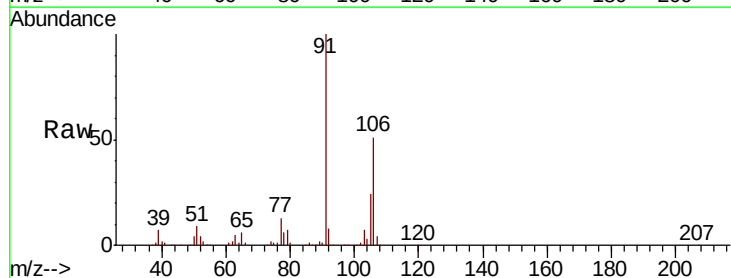
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0314WBSD01

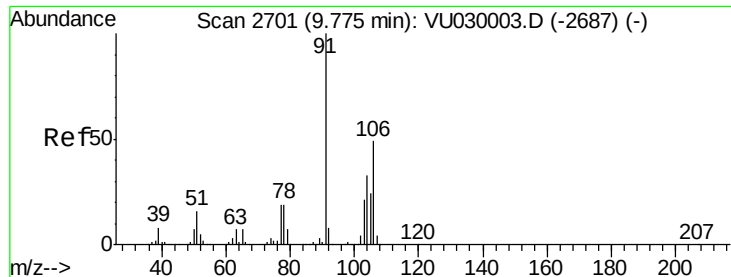
Tgt Ion: 91 Resp: 142584
 Ion Ratio Lower Upper
 91 100
 106 31.6 25.7 38.5



#64
 m/p-Xylenes
 Concen: 3.845 ug/l
 RT: 9.37 min Scan# 2576
 Delta R.T. 0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Tgt Ion: 106 Resp: 113910
 Ion Ratio Lower Upper
 106 100
 91 196.7 157.9 236.9





#65

o-Xylene

Concen: 1.861 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

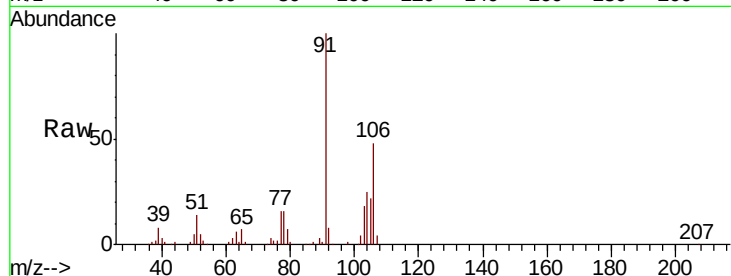
VU0314WBSD01

Tgt Ion:106 Resp: 54088

Ion Ratio Lower Upper

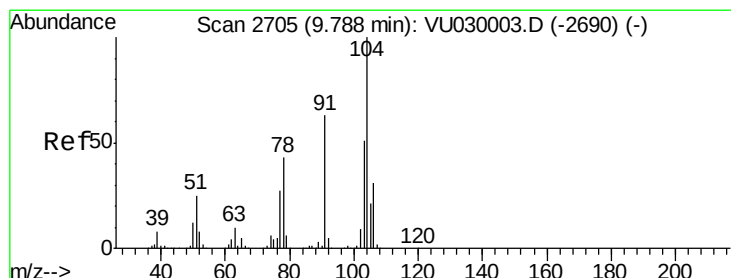
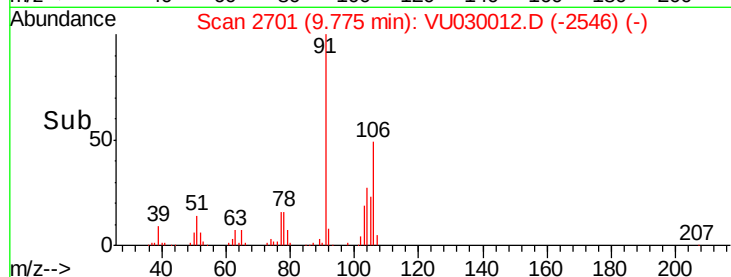
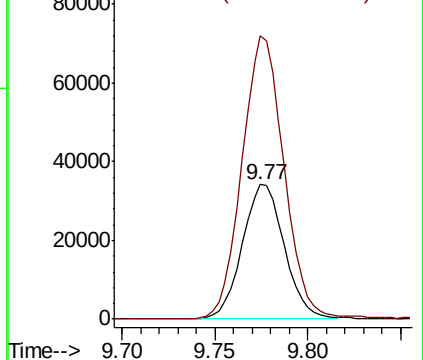
106 100

91 211.4 103.2 309.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 1.915 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

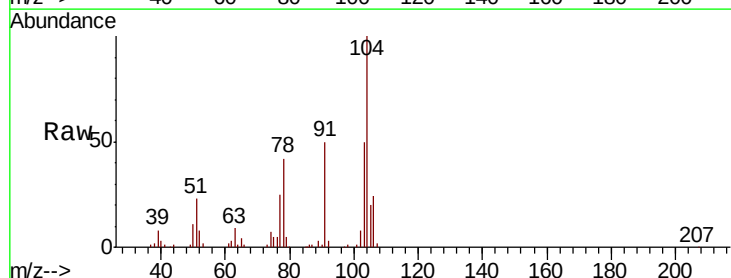
Tgt Ion:104 Resp: 91216

Ion Ratio Lower Upper

104 100

78 45.7 37.0 55.4

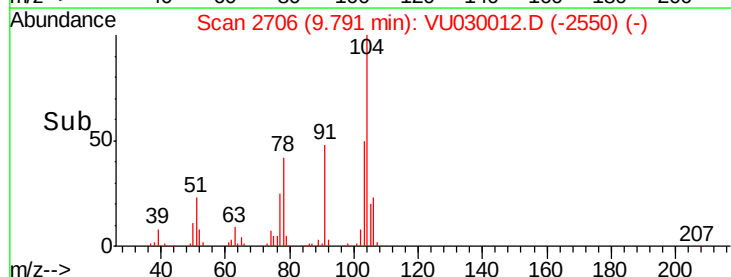
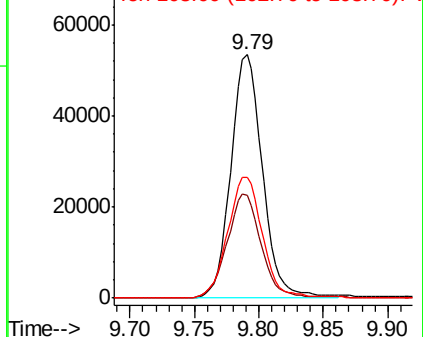
103 54.3 43.8 65.6

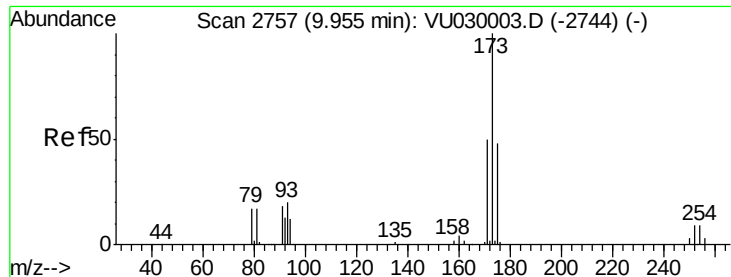


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

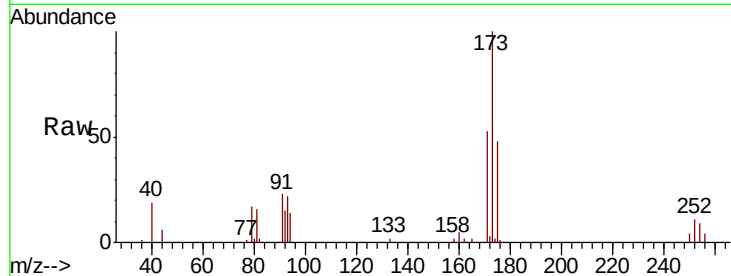




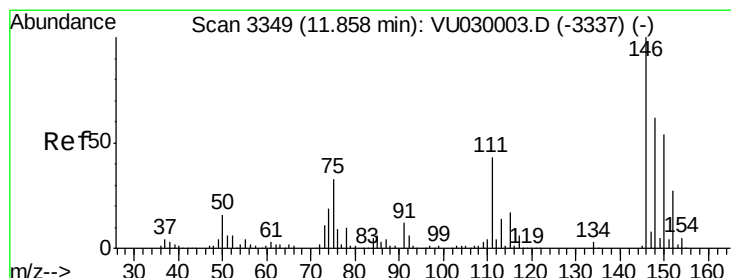
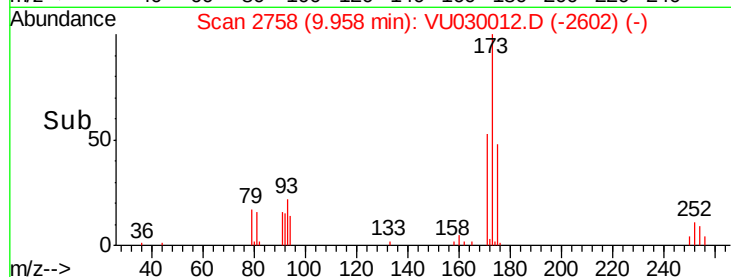
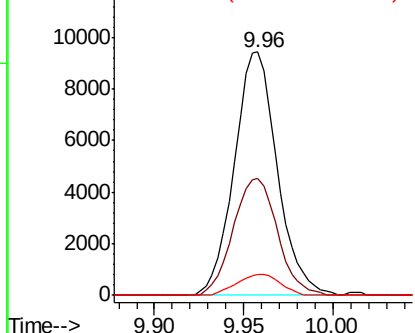
#67
Bromoform
Concen: 1.853 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU0314WBSD01

Tgt Ion:173 Resp: 15771
Ion Ratio Lower Upper
173 100
175 49.5 39.0 58.4
254 8.7 7.0 10.4

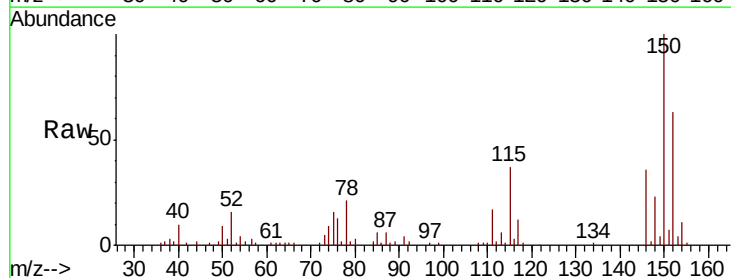


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

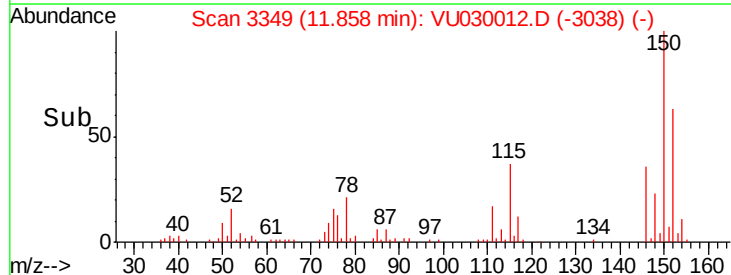
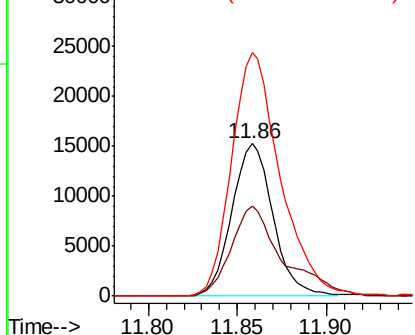


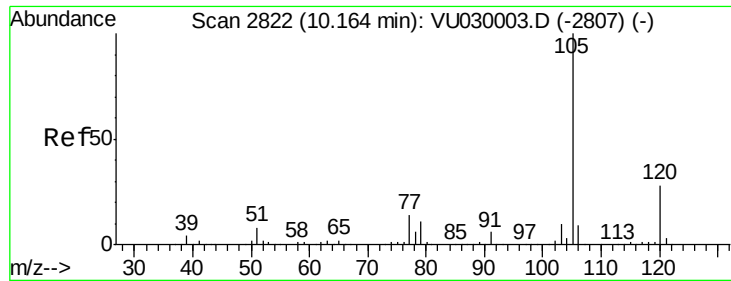
#68
1,2-Dichlorobenzene-d4
Concen: 1.853 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VU030012.D
Acq: 12 Mar 2019 17:40

Tgt Ion:152 Resp: 24420
Ion Ratio Lower Upper
152 100
115 74.1 0.0 126.8
150 189.6 0.0 634.2



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: 1.926 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

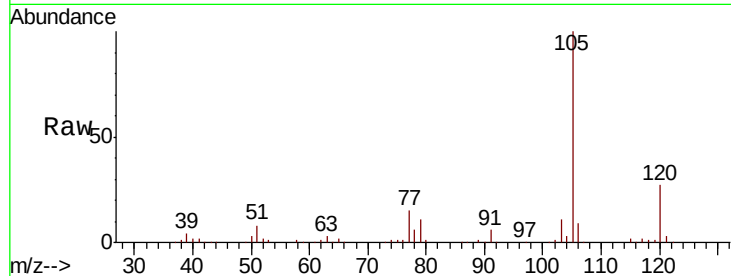
VU0314WBSD01

Tgt Ion:105 Resp: 145912

Ion Ratio Lower Upper

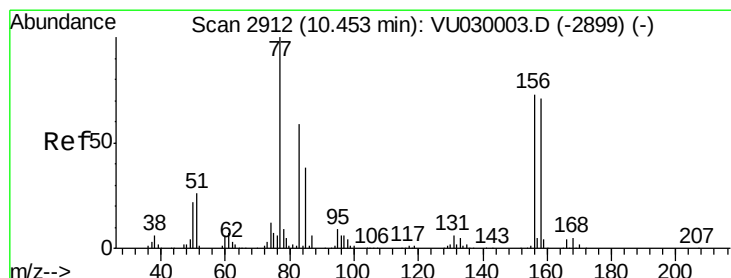
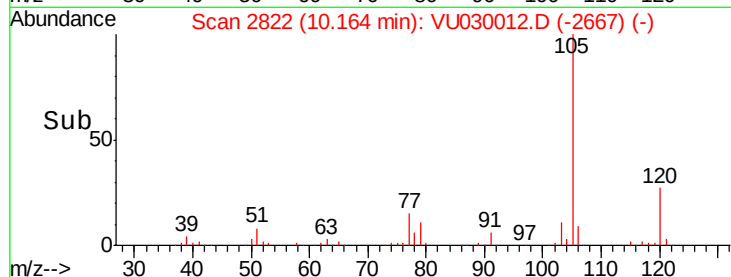
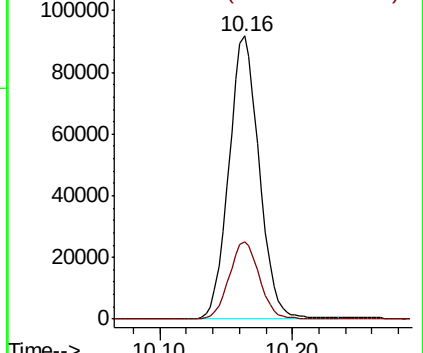
105 100

120 27.4 13.5 40.5



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: 2.037 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

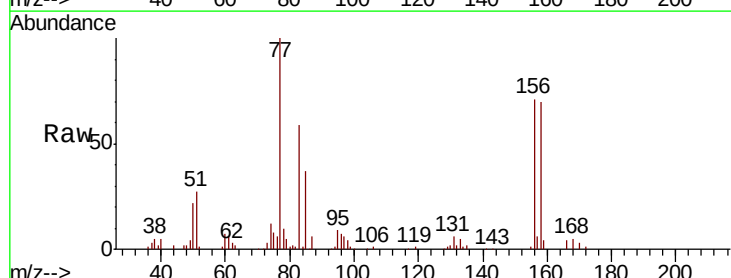
Tgt Ion: 83 Resp: 31078

Ion Ratio Lower Upper

83 100

131 10.1 8.4 12.6

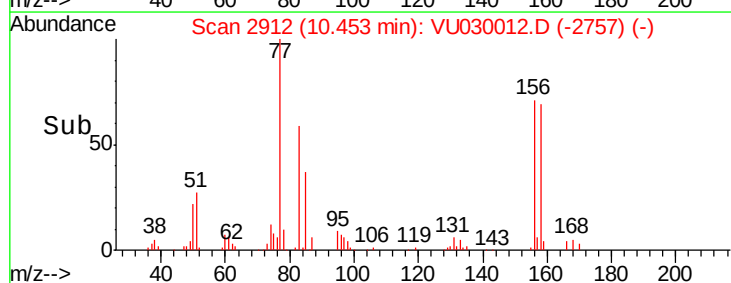
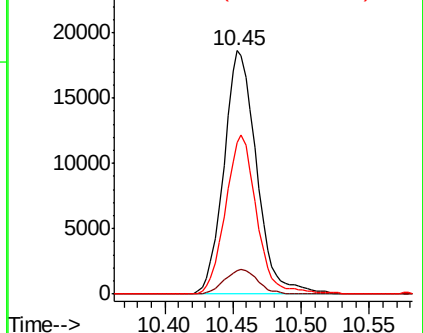
85 62.2 52.6 78.8

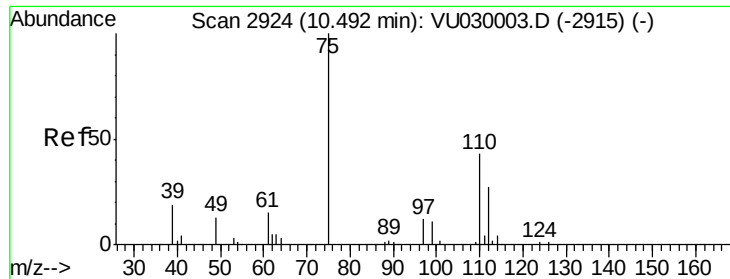


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

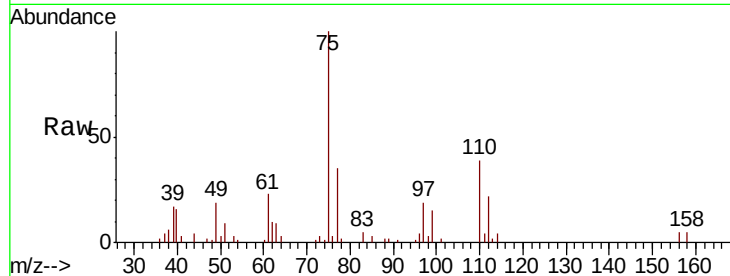




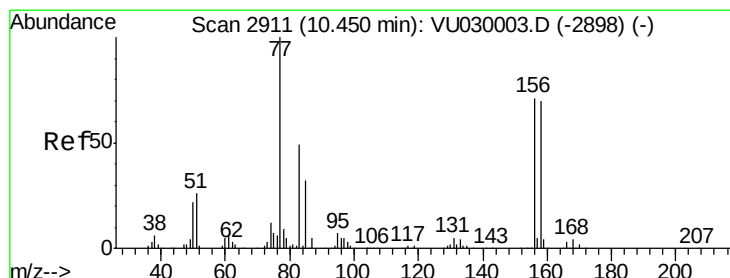
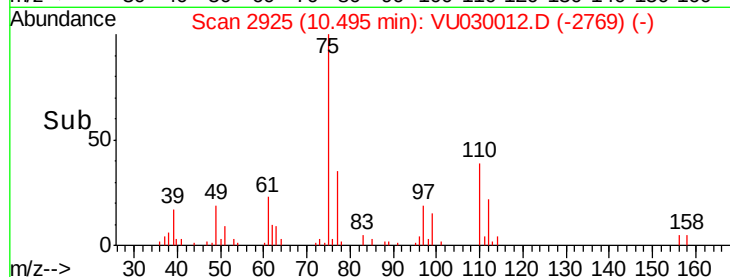
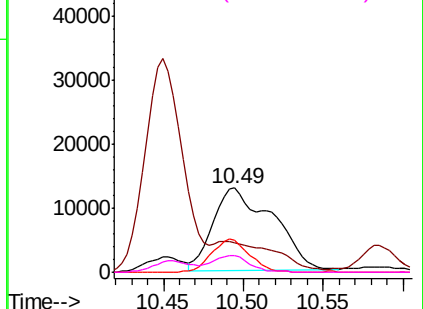
#71
 1,2,3-Trichloropropane
 Concen: 2.882 ug/l
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0314WBSD01

Tgt Ion:	75	Resp:	33063
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	16.8
110	25.3	0.0	76.8
97	12.8	0.0	40.8

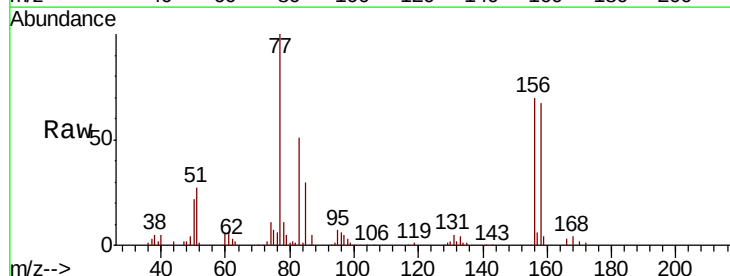


Abundance Ion 75.00 (74.70 to 75.70): VU030003.D (-2915) (-)
 Ion 77.00 (76.70 to 77.70): VU030003.D (-2915) (-)
 Ion 110.00 (109.70 to 110.70): VU030003.D (-2915) (-)
 Ion 97.00 (96.70 to 97.70): VU030003.D (-2915) (-)

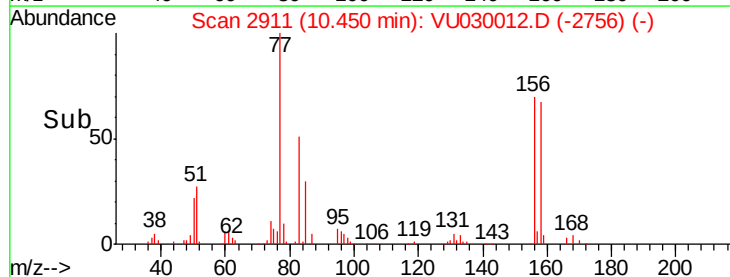
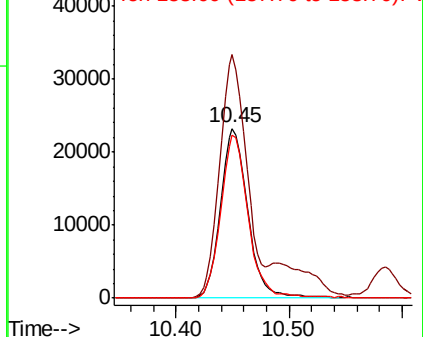


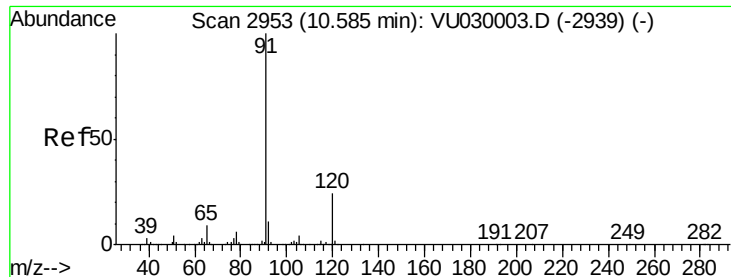
#72
 Bromobenzene
 Concen: 1.968 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Tgt Ion:	156	Resp:	39108
Ion	Ratio	Lower	Upper
156	100		
77	141.5	0.0	278.6
158	96.3	0.0	195.2



Abundance Ion 156.00 (155.70 to 156.70): VU030003.D (-2898) (-)
 Ion 77.00 (76.70 to 77.70): VU030003.D (-2898) (-)
 Ion 158.00 (157.70 to 158.70): VU030003.D (-2898) (-)





#73

n-propylbenzene

Concen: 1.925 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

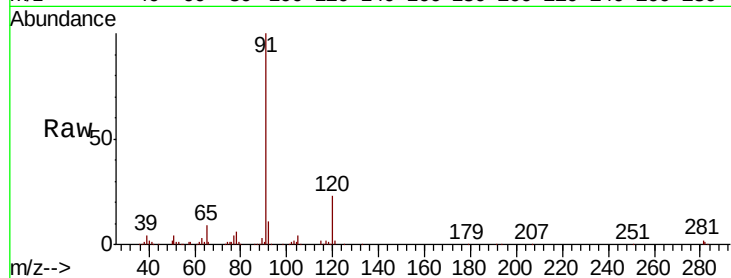
VU0314WBSD01

Tgt Ion:120 Resp: 41381

Ion Ratio Lower Upper

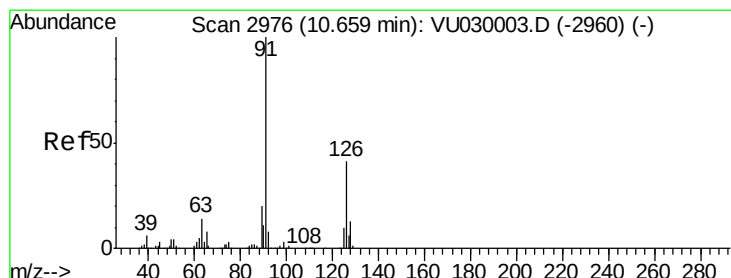
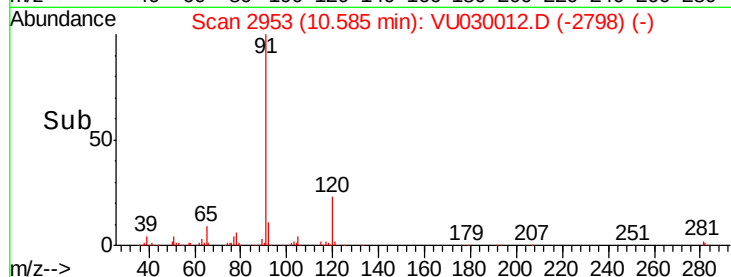
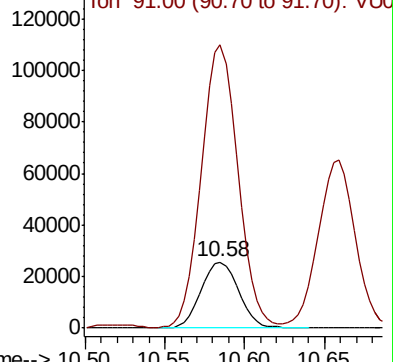
120 100

91 411.4 335.4 503.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.902 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. -0.00 min

Lab File: VU030012.D

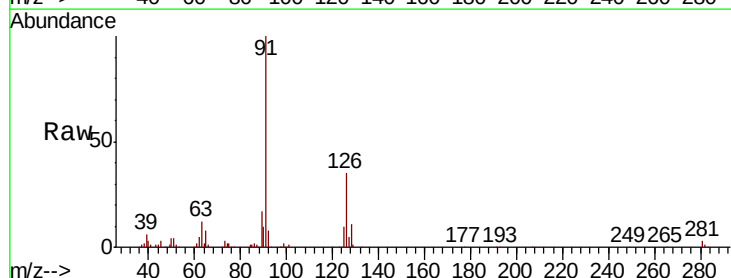
Acq: 12 Mar 2019 17:40

Tgt Ion:126 Resp: 35806

Ion Ratio Lower Upper

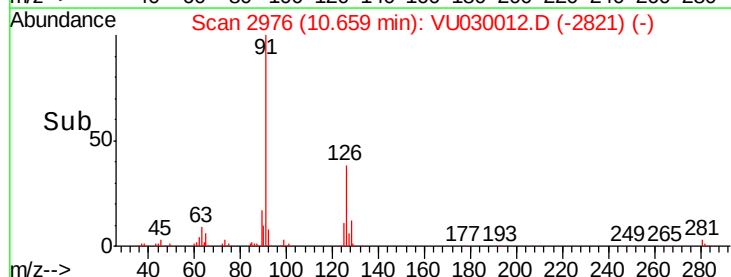
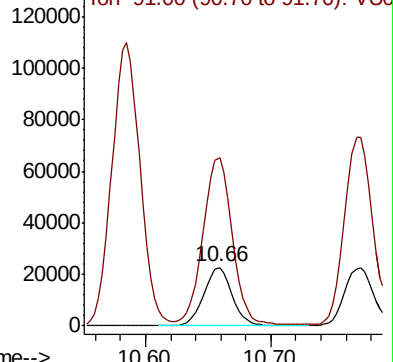
126 100

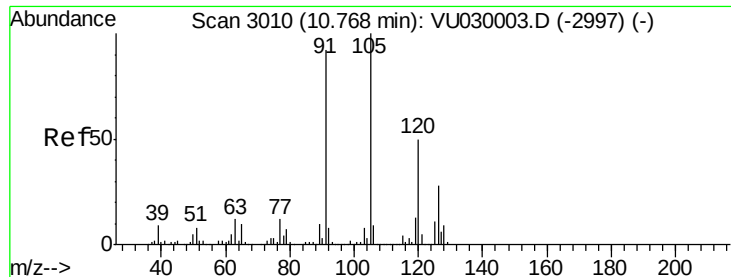
91 293.8 0.0 561.0



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: 1.933 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

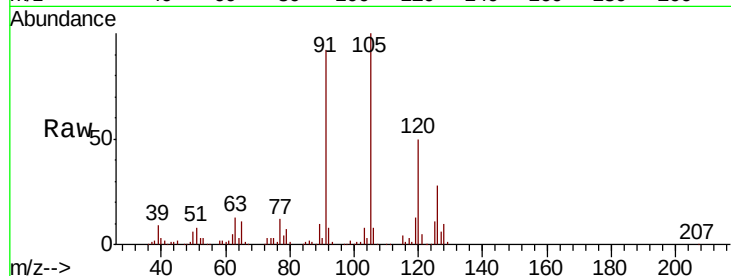
VU0314WBSD01

Tgt Ion:105 Resp: 124747

Ion Ratio Lower Upper

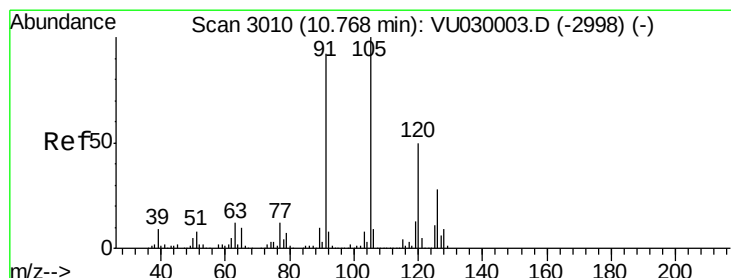
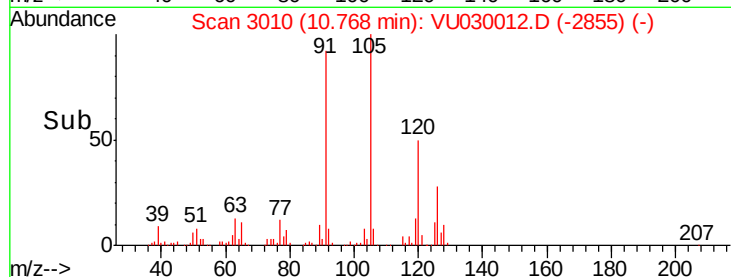
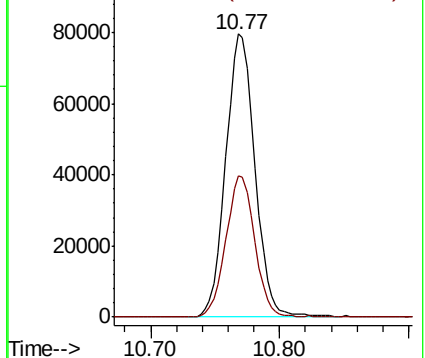
105 100

120 49.4 39.8 59.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.905 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030012.D

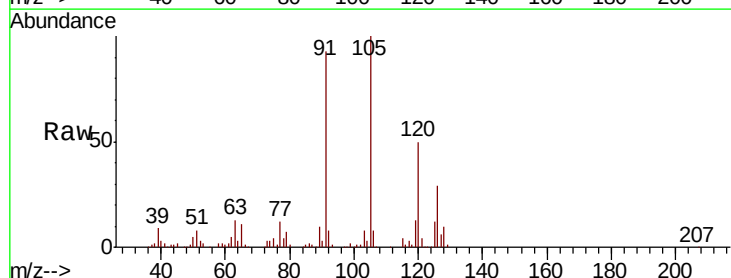
Acq: 12 Mar 2019 17:40

Tgt Ion:126 Resp: 36609

Ion Ratio Lower Upper

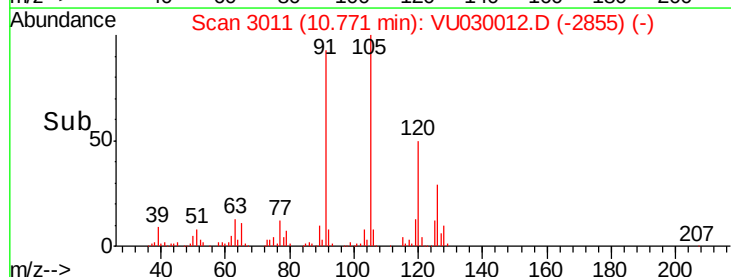
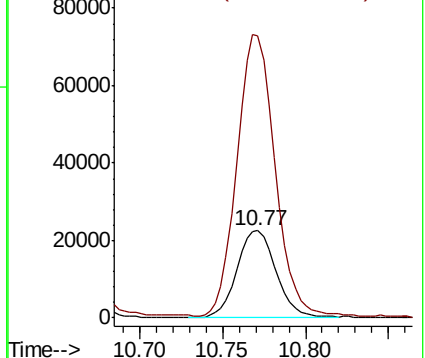
126 100

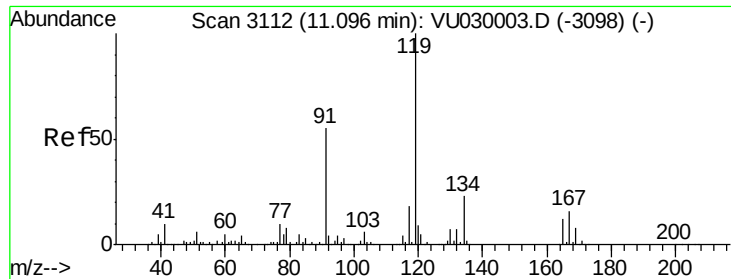
91 315.7 0.0 641.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

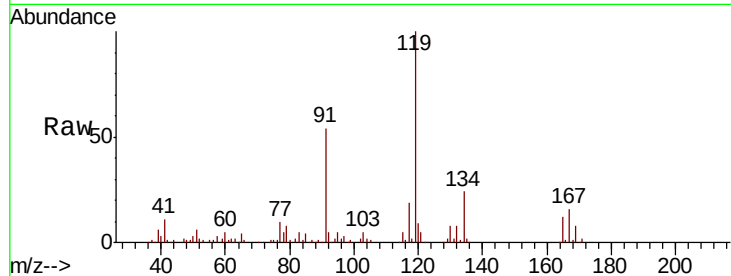




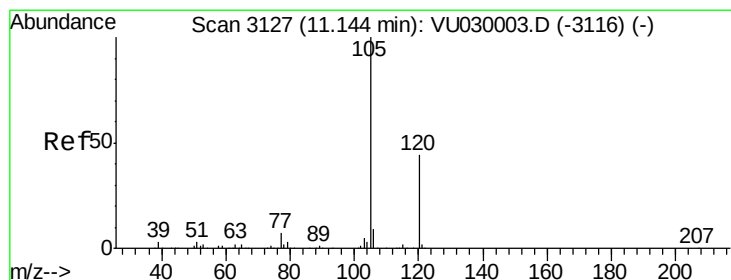
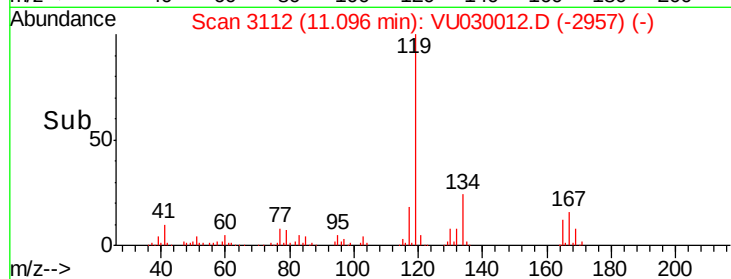
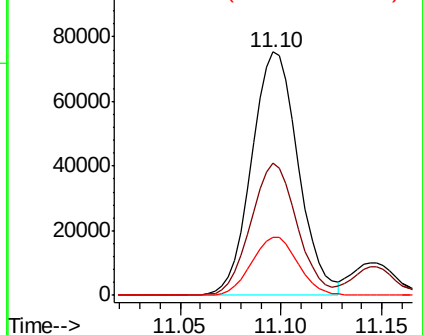
#77
 tert-Butylbenzene
 Concen: 1.926 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0314WBSD01

Tgt Ion:119 Resp: 121674
 Ion Ratio Lower Upper
 119 100
 91 53.7 27.6 82.8
 134 23.9 18.7 28.1

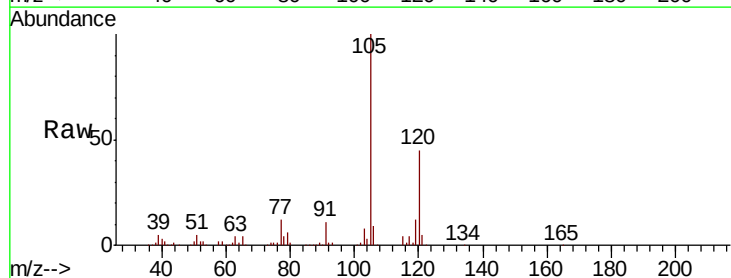


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

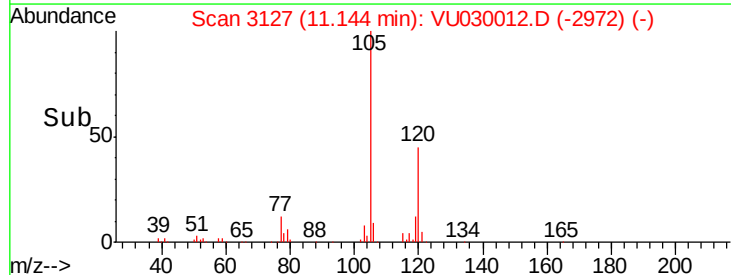
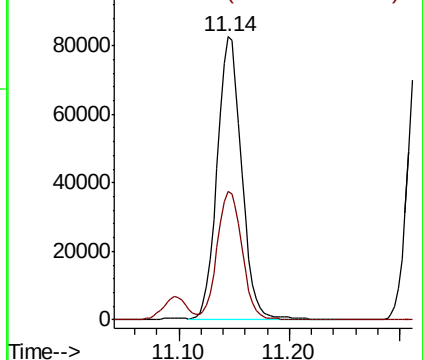


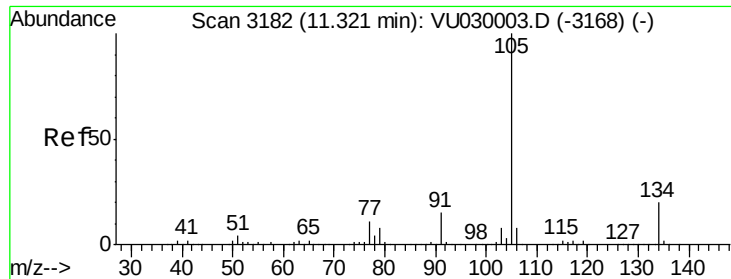
#78
 1,2,4-Trimethylbenzene
 Concen: 1.923 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Tgt Ion:105 Resp: 126225
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.5 70.6



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





#79

sec-Butylbenzene

Concen: 1.953 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

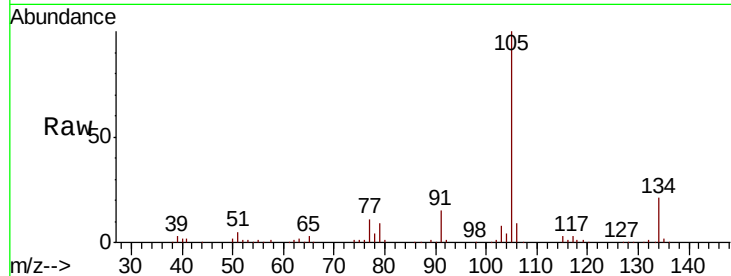
VU0314WBSD01

Tgt Ion: 105 Resp: 165324

Ion Ratio Lower Upper

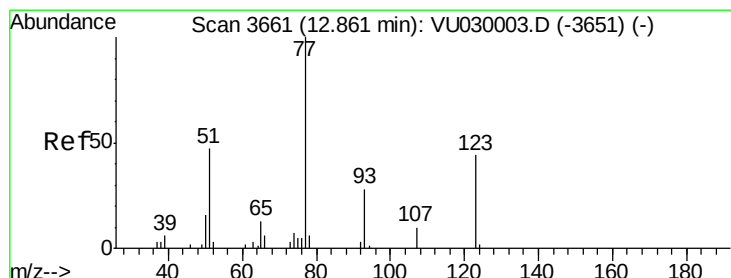
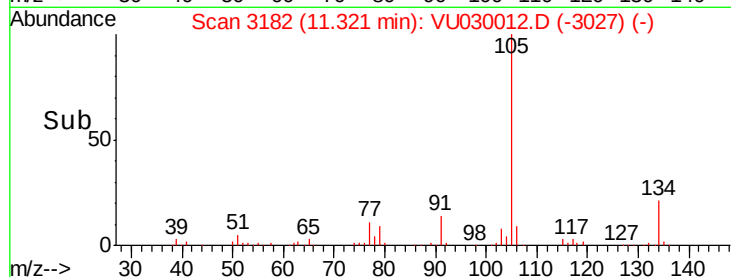
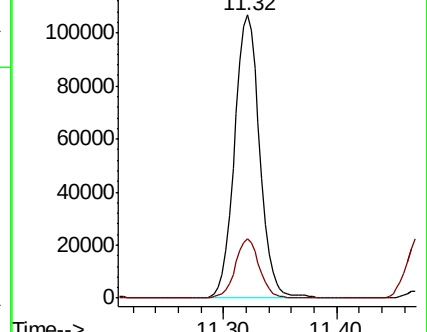
105 100

134 20.0 16.1 24.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 7.058 ug/l

RT: 12.88 min Scan# 3666

Delta R.T. 0.02 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

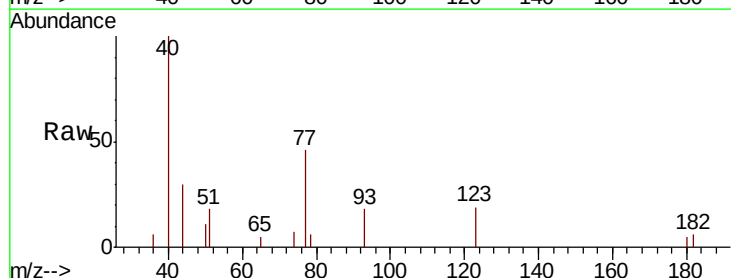
Tgt Ion: 77 Resp: 1924

Ion Ratio Lower Upper

77 100

123 42.8 19.9 70.5

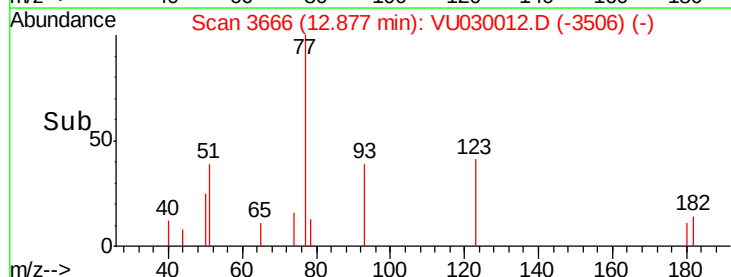
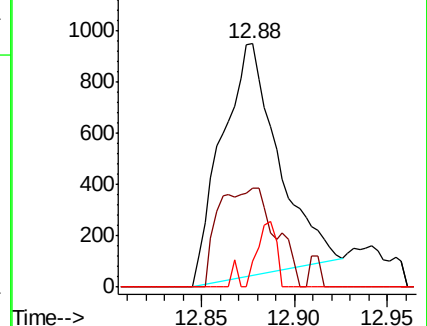
65 9.4 10.8 13.8#

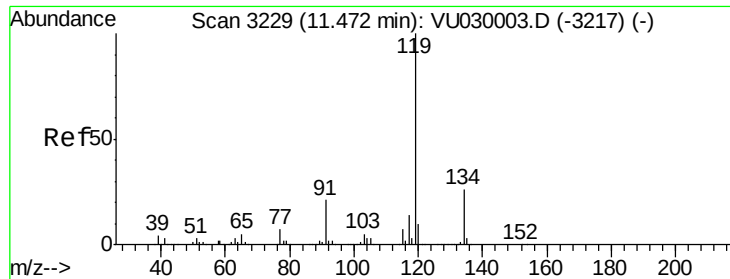


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

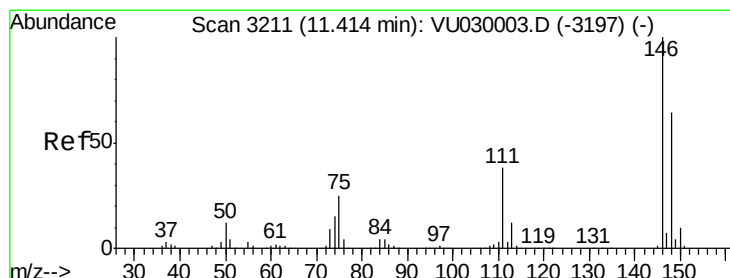
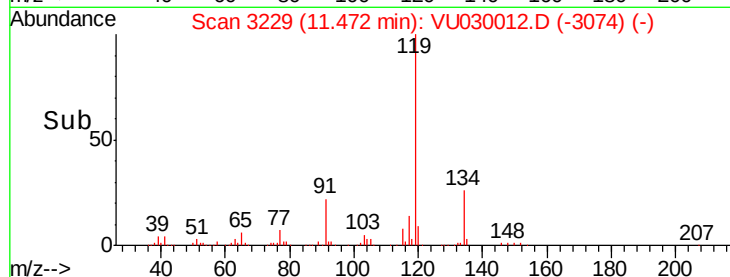
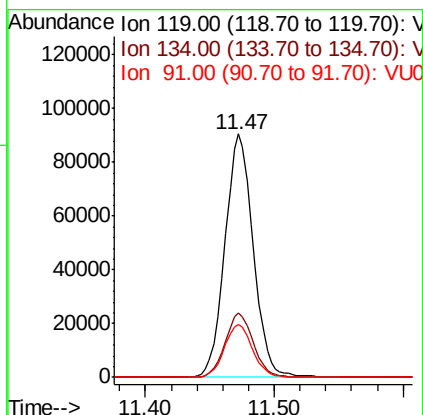
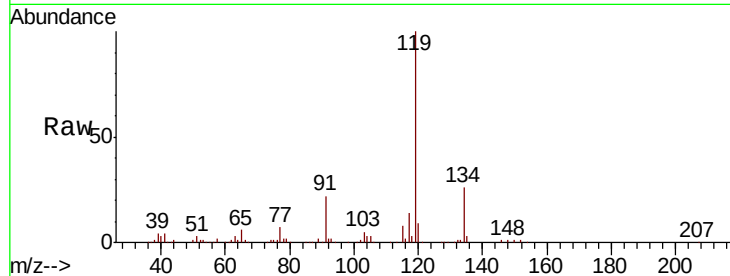




#81
 p-Isopropyltoluene
 Concen: 1.925 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

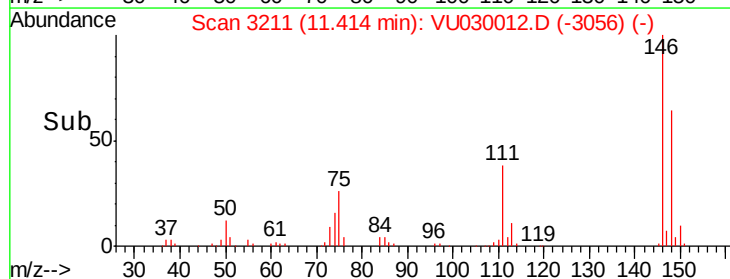
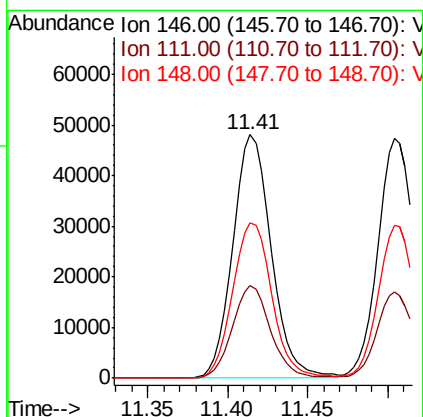
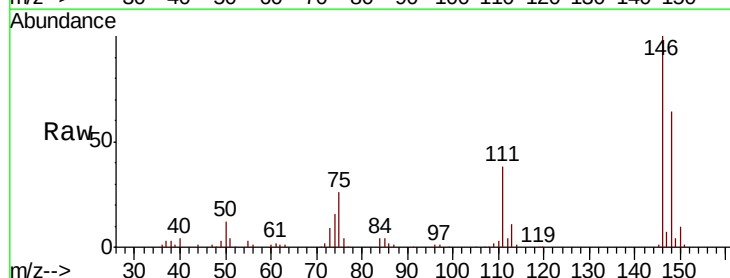
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0314WBSD01

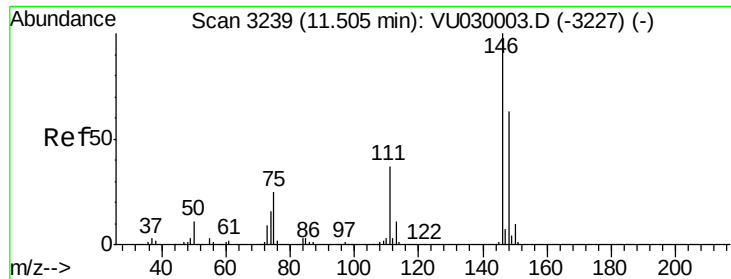
Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	21.9	17.0	25.6



#82
 1,3-Dichlorobenzene
 Concen: 1.961 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	30.3	45.5
148	65.1	51.1	76.7

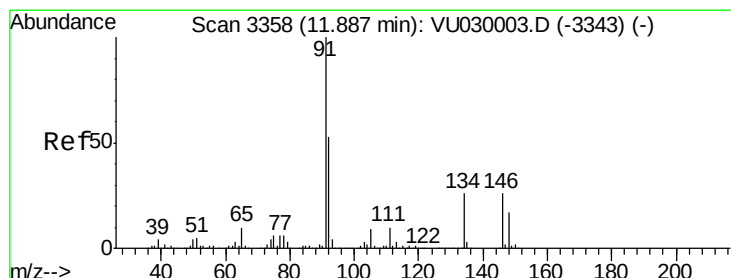
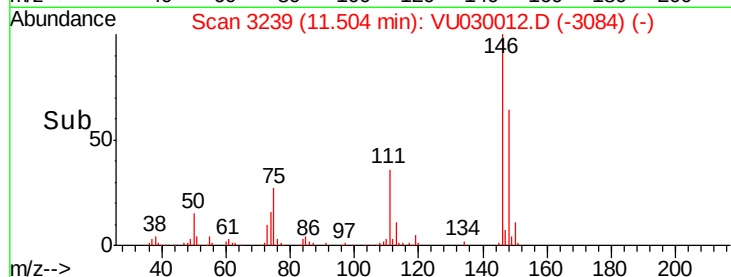
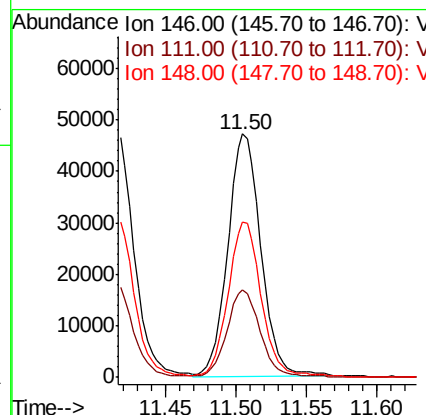
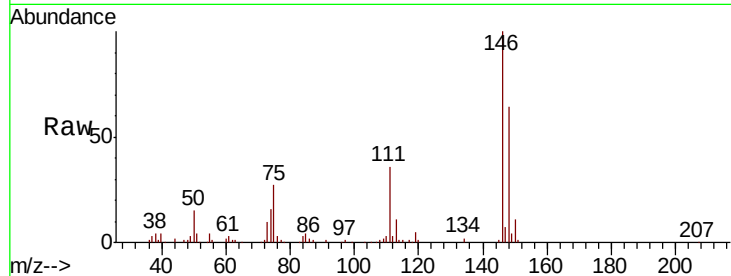




#83
 1,4-Dichlorobenzene
 Concen: 1.911 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

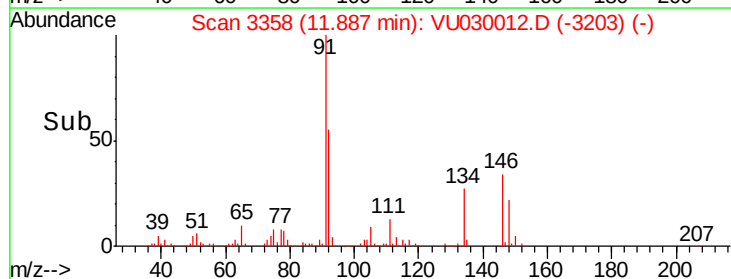
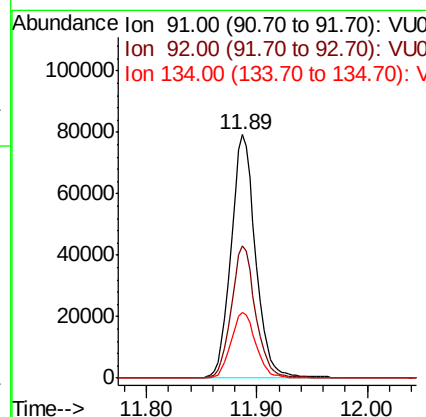
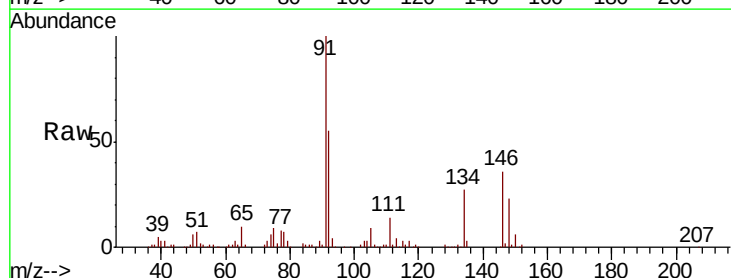
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0314WBSD01

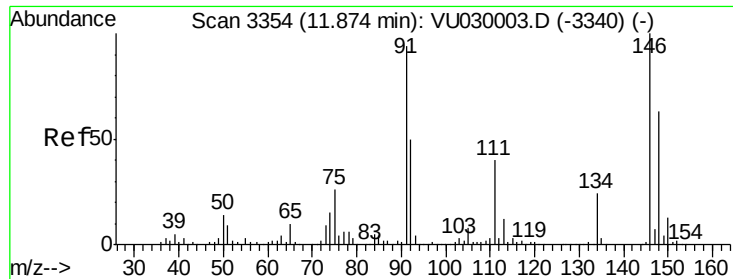
Tgt Ion:146 Resp: 77081
 Ion Ratio Lower Upper
 146 100
 111 34.6 29.3 43.9
 148 64.3 50.6 76.0



#84
 n-Butylbenzene
 Concen: 1.848 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Tgt Ion: 91 Resp: 122538
 Ion Ratio Lower Upper
 91 100
 92 53.6 42.4 63.6
 134 27.2 21.4 32.0

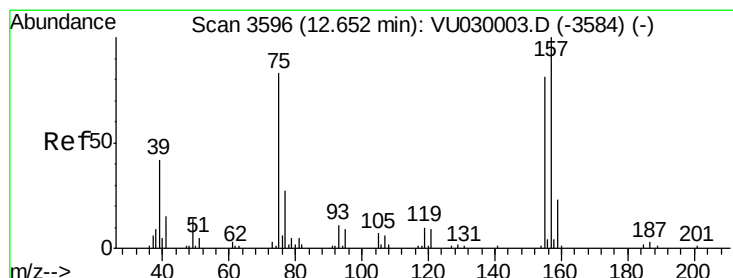
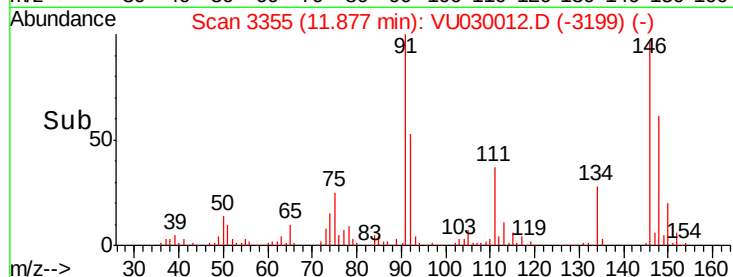
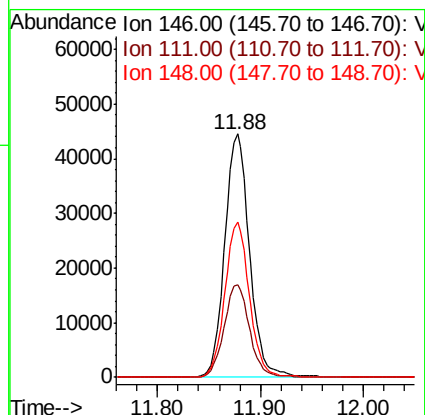
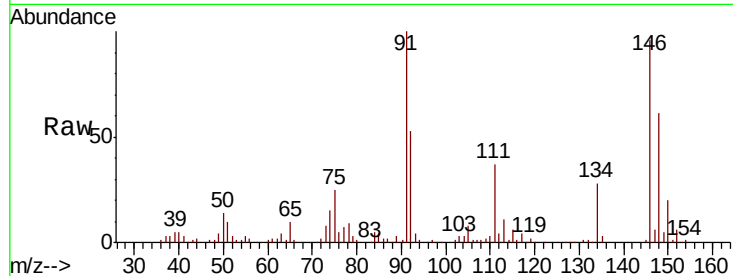




#85
 1,2-Dichlorobenzene
 Concen: 1.997 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

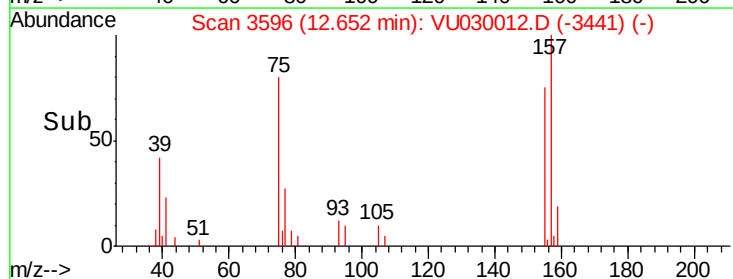
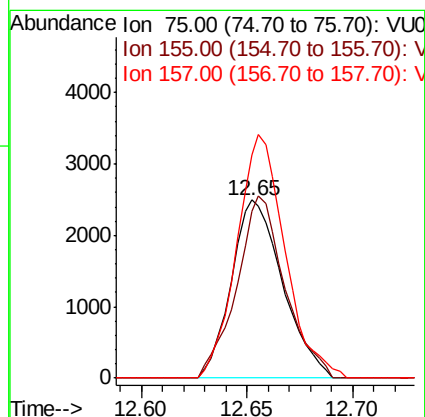
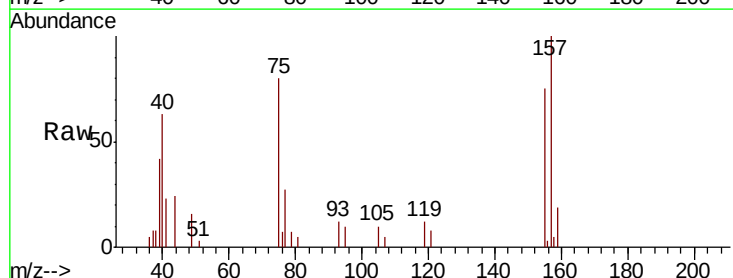
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0314WBSD01

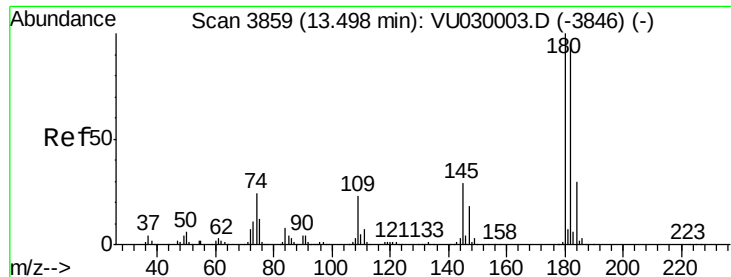
Tgt Ion: 146 Resp: 74569
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.9 59.7
 148 63.1 31.7 95.1



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.915 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030012.D
 Acq: 12 Mar 2019 17:40

Tgt Ion: 75 Resp: 4209
 Ion Ratio Lower Upper
 75 100
 155 96.2 78.2 117.4
 157 128.7 97.2 145.8





#87

1,2,4-Trichlorobenzene

Concen: 1.826 ug/l

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU0314WBSD01

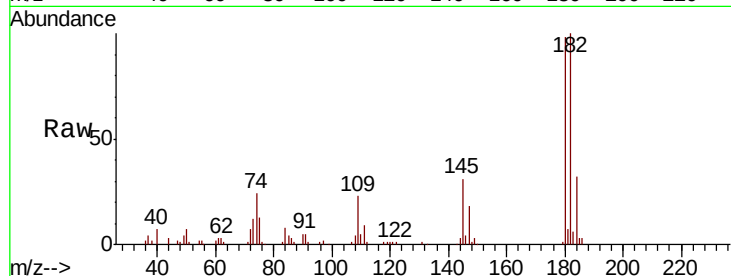
Tgt Ion:180 Resp: 49202

Ion Ratio Lower Upper

180 100

182 99.3 76.2 114.2

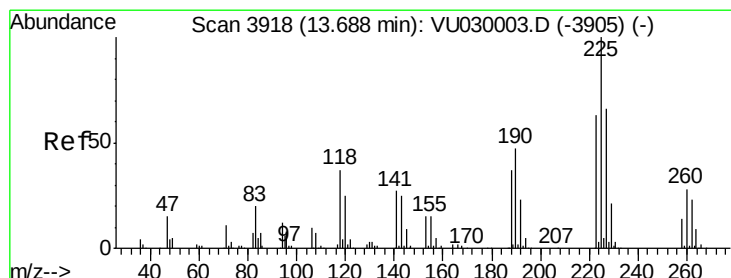
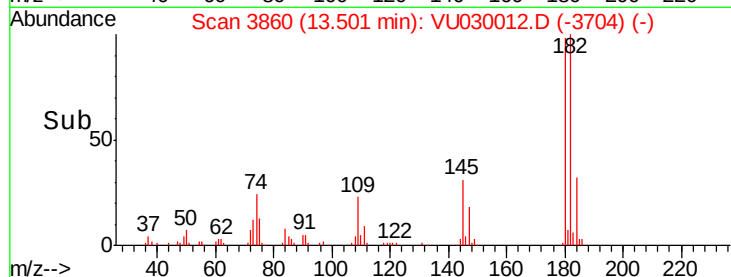
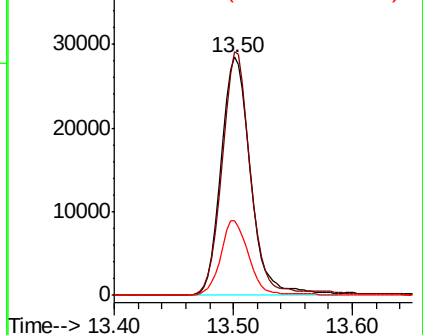
145 29.9 23.0 34.6



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 2.032 ug/l

RT: 13.69 min Scan# 3918

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

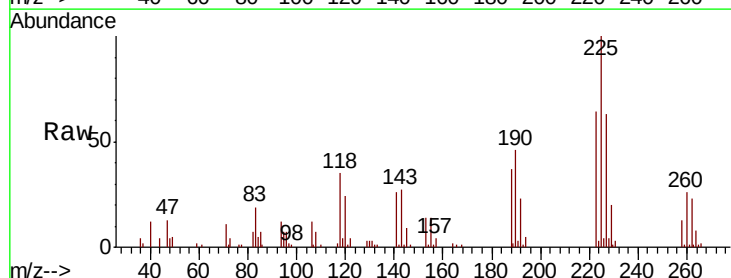
Tgt Ion:225 Resp: 29684

Ion Ratio Lower Upper

225 100

223 61.3 50.7 76.1

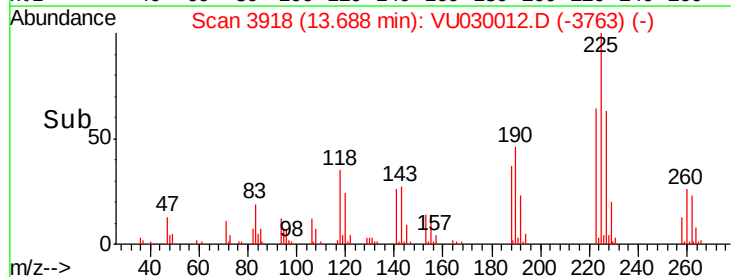
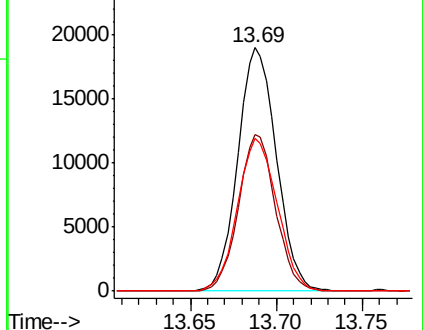
227 64.4 52.6 78.8

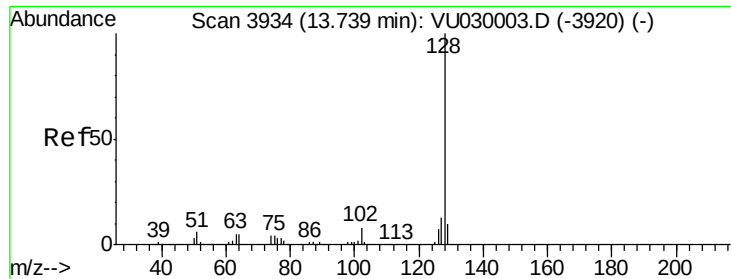


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 1.835 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU0314WBSD01

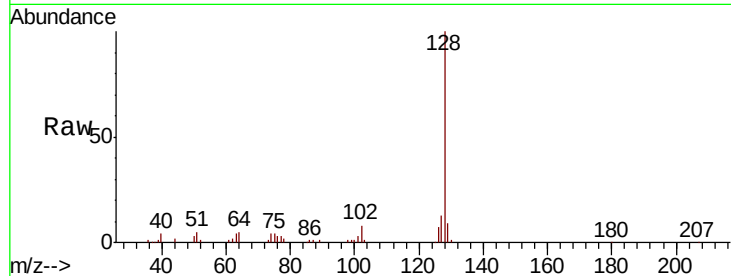
Tgt Ion:128 Resp: 77488

Ion Ratio Lower Upper

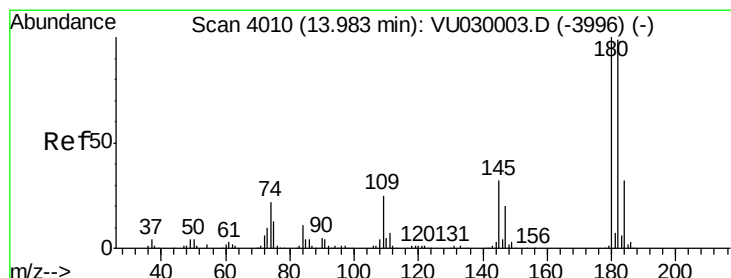
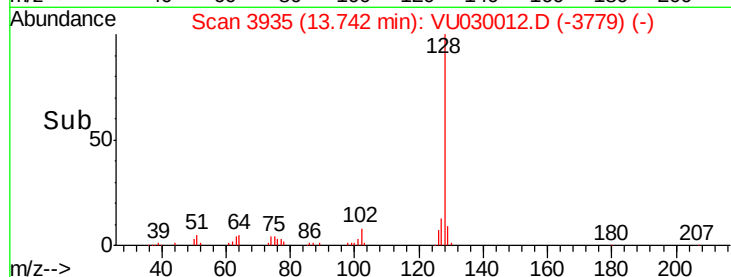
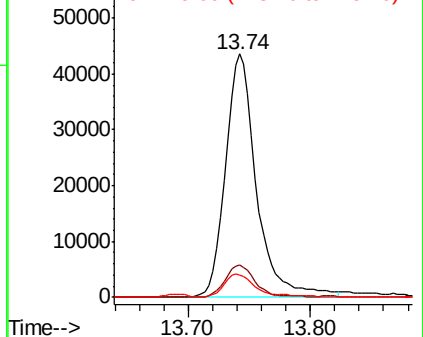
128 100

127 13.0 10.1 15.1

129 9.1 8.5 12.7



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: 1.884 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030012.D

Acq: 12 Mar 2019 17:40

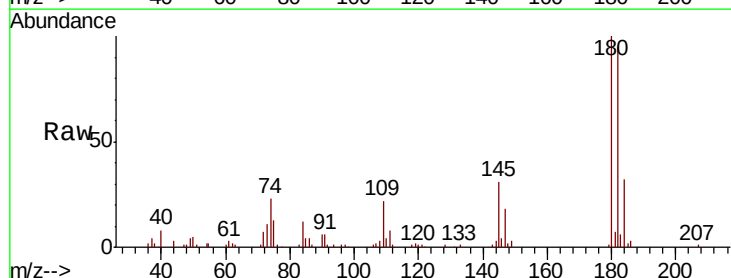
Tgt Ion:180 Resp: 46012

Ion Ratio Lower Upper

180 100

182 96.5 77.6 116.4

145 30.9 24.7 37.1



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

