

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102318\
 Data File : VU027767.D
 Acq On : 23 Oct 2018 16:57
 Operator : MD/SY
 Sample : J5164-08 1ppb
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Quant Time: Oct 26 10:41:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 09:12:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.75	96	11574	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	4398	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	4215	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	2986	0.650	ug/l	99
3) Chloromethane	1.33	50	3228	0.657	ug/l	98
4) Vinyl Chloride	1.40	62	2742	0.598	ug/l	95
5) Bromomethane	1.63	94	1650	0.684	ug/l	97
6) Chloroethane	1.70	64	1828	0.735	ug/l	99
7) Trichlorofluoromethane	1.89	101	3573	0.639	ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1918	0.652	ug/l	96
9) 1,1-Dichloroethene	2.29	96	1573	0.609	ug/l	83
10) Iodomethane	2.41	142	2094	0.604	ug/l	95
11) Allyl Chloride	2.59	41	4368	0.715	ug/l	94
12) Acrylonitrile	2.94	53	906	1.151	ug/l #	85
13) Acetone	2.34	43	2911	4.054	ug/l	97
14) Carbon Disulfide	2.48	76	6001	0.624	ug/l	97
15) Methylene Chloride	2.70	84	2061	0.634	ug/l	95
16) trans-1,2-Dichloroethene	2.99	96	1877	0.653	ug/l	97
17) 1,1-Dichloroethane	3.45	63	3923	0.619	ug/l #	96
18) 2-Butanone	4.29	43	4011	3.364	ug/l	100
19) Cyclohexane	5.00	56	3401	0.598	ug/l	99
20) Methylcyclohexane	6.41	83	3530	0.612	ug/l	96
21) 2,2-Dichloropropane	4.23	77	3672	0.656	ug/l #	80
22) cis-1,2-Dichloroethene	4.23	96	1997	0.580	ug/l	93
23) Diethyl Ether	2.11	59	1421	0.579	ug/l	90
24) tert-Butyl Alcohol	2.87	59	1743m	6.657	ug/l	
25) Methyl tert-Butyl Ether	3.01	73	5173	0.629	ug/l #	76
26) Bromochloromethane	4.56	128	795	0.576	ug/l	90
27) Chloroform	4.68	83	3972	0.643	ug/l	97
28) 1,1,1-Trichloroethane	4.92	97	3554	0.647	ug/l	99
29) 1,1-Dichloropropene	5.14	75	3193	0.665	ug/l	93
30) Carbon Tetrachloride	5.14	117	3078	0.627	ug/l	97
31) Isopropyl Ether	3.58	45	7435	0.651	ug/l	99
32) Ethyl-t-butyl ether	4.08	59	6270	0.619	ug/l	99
33) Tert-Amyl methyl ether	5.58	73	5304	0.617	ug/l	99
34) Propionitrile	4.37	54	805	2.832	ug/l #	1
35) Benzene	5.40	78	8962	0.668	ug/l	94
36) 1,2-Dichloroethane	5.41	62	2680	0.600	ug/l #	79
37) Trichloroethene	6.19	130	2057	0.622	ug/l	90
38) 1,2-Dichloropropane	6.44	63	2521	0.669	ug/l	98
39) Methacrylonitrile	4.57	41	1041	0.663	ug/l #	79
40) Methyl acrylate	4.44	55	1164	0.569	ug/l #	69
41) Tetrahydrofuran	4.67	42	931	1.073	ug/l #	74
42) 1-Chlorobutane	5.07	56	4730	0.625	ug/l	97

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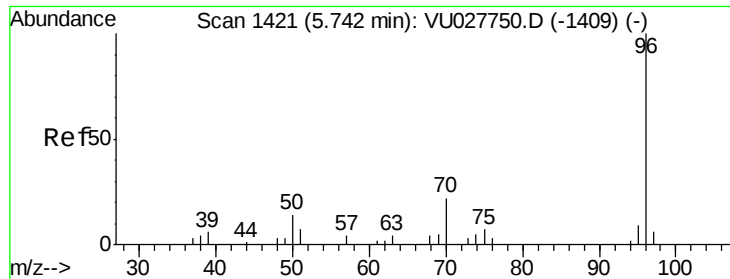
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Quant Time: Oct 26 10:41:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.56	93	1062	0.620	ug/l #	75
44) Bromodichloromethane	6.76	83	3015	0.648	ug/l	89
45) 4-Methyl-2-Pentanone	7.47	43	8694	3.127	ug/l	96
46) t-1,4-Dichloro-2-butene	10.50	75	1870	1.866	ug/l #	60
47) Methyl methacrylate	6.63	69	2063	1.142	ug/l	86
48) Ethyl methacrylate	8.03	69	2349	0.626	ug/l	93
49) Toluene	7.64	92	4918	0.618	ug/l	97
50) t-1,3-Dichloropropene	7.89	75	2798	0.604	ug/l	99
51) cis-1,3-Dichloropropene	7.28	75	3261	0.597	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	1539	0.665	ug/l	91
53) 1,3-Dichloropropane	8.24	76	2645	0.595	ug/l	92
54) 2-Hexanone	8.37	43	5914	2.985	ug/l	98
55) Dibromochloromethane	8.48	129	1734	0.596	ug/l	96
56) 1,2-Dibromoethane	8.59	107	1291	0.568	ug/l	99
58) Tetrachloroethene	8.23	164	2043	0.655	ug/l	91
59) Chlorobenzene	9.12	112	5166	0.606	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	1858	0.599	ug/l	96
61) Pentachloroethane	11.10	117	1191	0.515	ug/l	94
62) Hexachloroethane	12.15	117	1435	0.565	ug/l	98
63) Ethyl Benzene	9.25	91	10423	0.645	ug/l	98
64) m/p-Xylenes	9.38	106	7377	1.280	ug/l	100
65) o-Xylene	9.78	106	3373	0.590	ug/l	87
66) Styrene	9.79	104	6002	0.636	ug/l	99
67) Bromoform	9.96	173	827	0.491	ug/l #	82
69) Isopropylbenzene	10.17	105	9767	0.624	ug/l	94
70) 1,1,2,2-Tetrachloroethane	10.46	83	1641	0.534	ug/l #	86
71) 1,2,3-Trichloropropane	10.50	75	1870	0.783	ug/l #	80
72) Bromobenzene	10.45	156	2178	0.625	ug/l	83
73) n-propylbenzene	10.59	120	2715	0.673	ug/l	97
74) 2-Chlorotoluene	10.66	126	2187	0.633	ug/l	91
75) 1,3,5-Trimethylbenzene	10.77	105	8236	0.631	ug/l	99
76) 4-Chlorotoluene	10.77	126	2157	0.616	ug/l	96
77) tert-Butylbenzene	11.10	119	7942	0.618	ug/l	96
78) 1,2,4-Trimethylbenzene	11.15	105	8514	0.635	ug/l	98
79) sec-Butylbenzene	11.32	105	10836	0.637	ug/l	97
81) p-Isopropyltoluene	11.48	119	8585	0.618	ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	4398	0.637	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	4312	0.624	ug/l	97
84) n-Butylbenzene	11.89	91	8317	0.616	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	4410	0.670	ug/l	93
86) 1,2-Dibromo-3-Chloropropan	12.66	75	337	0.590	ug/l #	70
87) 1,2,4-Trichlorobenzene	13.50	180	2958	0.618	ug/l	95
88) Hexachlorobutadiene	13.69	225	1646	0.574	ug/l	92
89) Naphthalene	13.75	128	5448	0.606	ug/l #	94
90) 1,2,3-Trichlorobenzene	13.99	180	2737	0.601	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1422

Delta R.T. 0.00 min

Lab File: VU027767.D

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Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tot Ion: 96 Resp: 11574

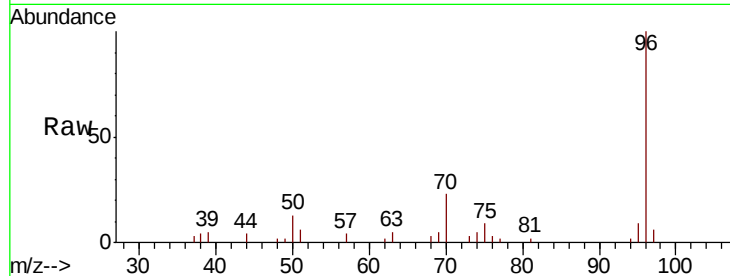
Ion Ratio Lower Upper

96 100

70 21.8 17.7 26.5

95 8.5 7.0 10.6

97 5.0 0.0 0.0#

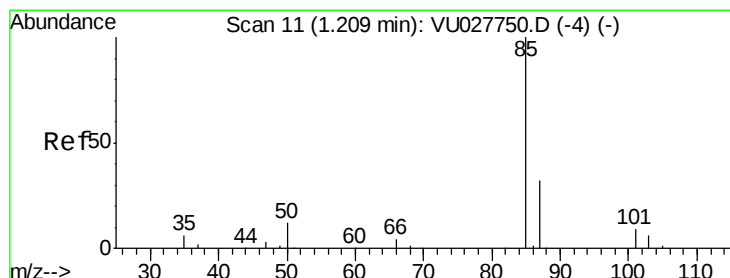
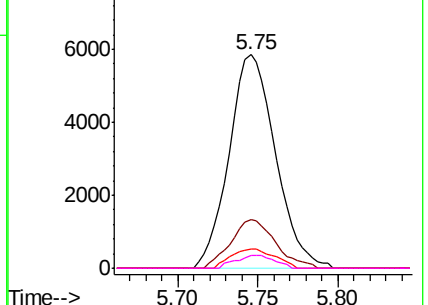
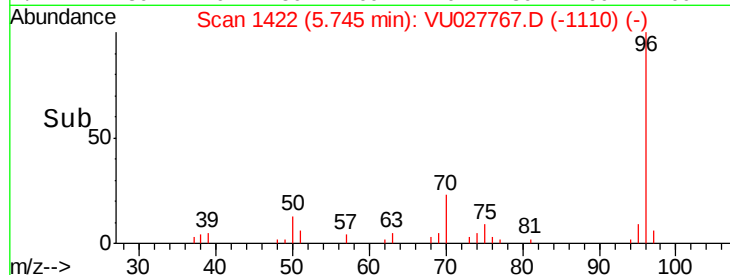


Abundance Ion 96.00 (95.70 to 96.70): VU0

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: 0.650 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027767.D

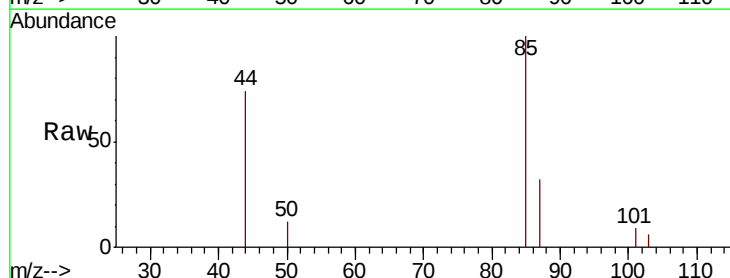
Acq: 23 Oct 2018 16:57

Tgt Ion: 85 Resp: 2986

Ion Ratio Lower Upper

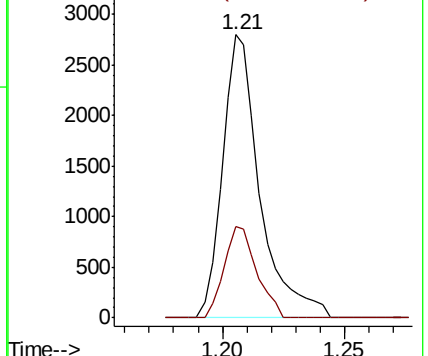
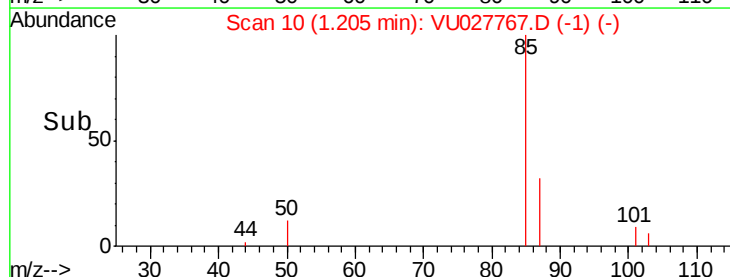
85 100

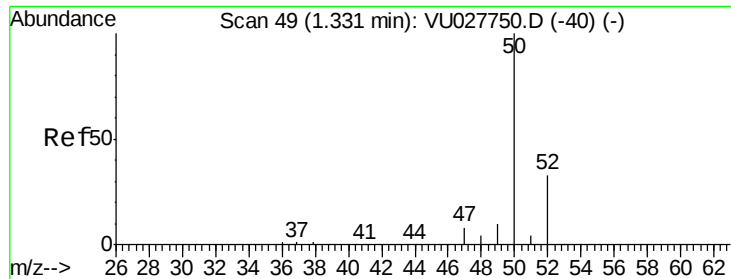
87 32.2 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

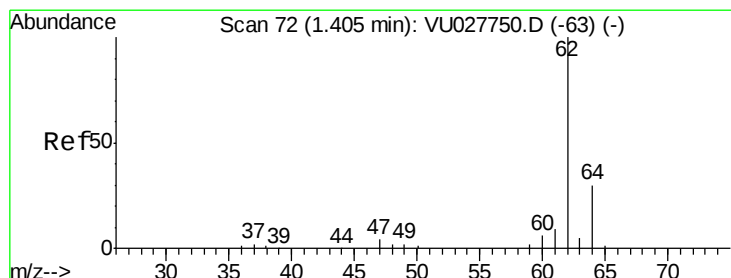
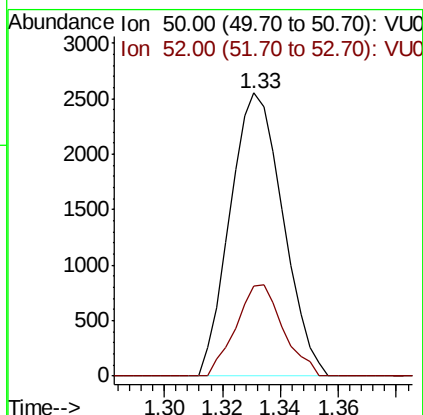
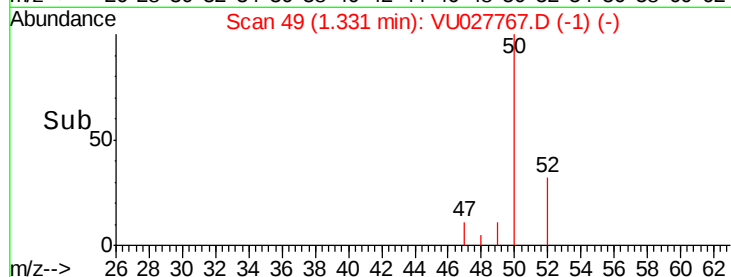
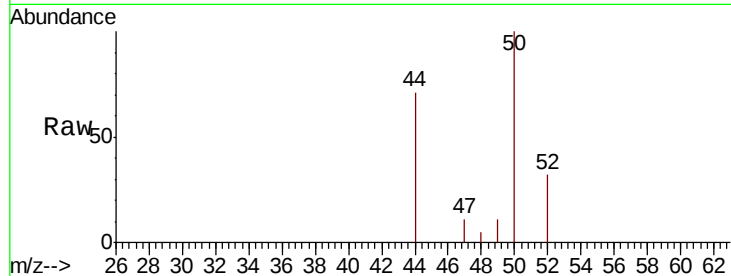




#3
 Chloromethane
 Concen: 0.657 ug/l
 RT: 1.33 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

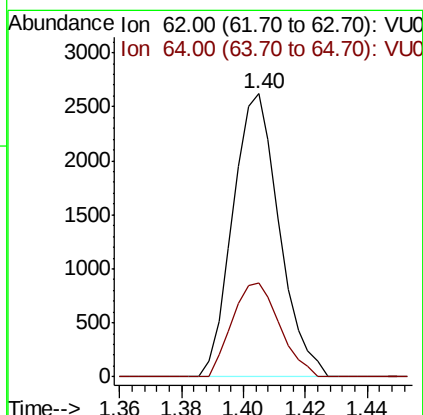
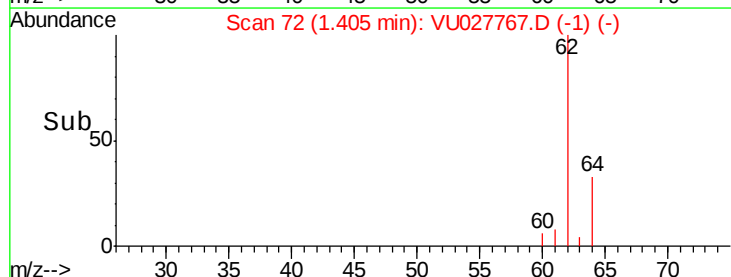
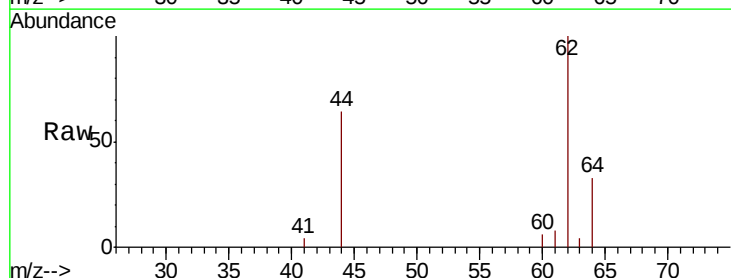
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

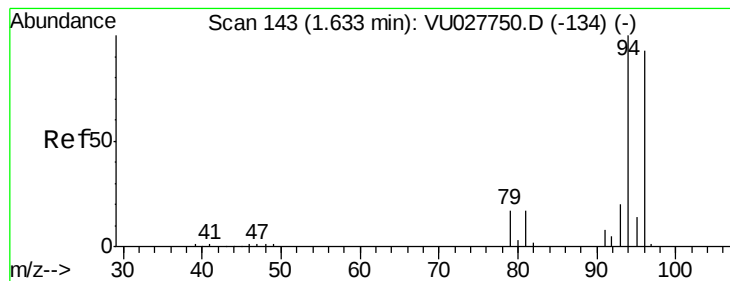
Tot Ion: 50 Resp: 3228
 Ion Ratio Lower Upper
 50 100
 52 31.9 26.6 40.0



#4
 Vinyl Chloride
 Concen: 0.598 ug/l
 RT: 1.40 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Tgt Ion: 62 Resp: 2742
 Ion Ratio Lower Upper
 62 100
 64 33.2 24.3 36.5





#5

Bromomethane

Concen: 0.684 ug/l

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

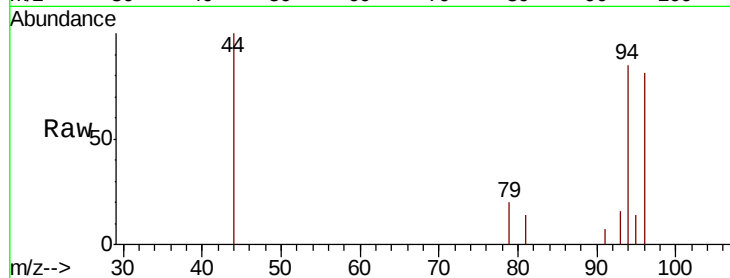
LOQ-WATER-02-QT4-2018

Tot Ion: 94 Resp: 1650

Ion Ratio Lower Upper

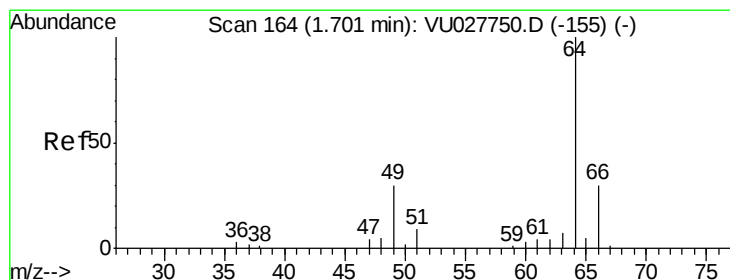
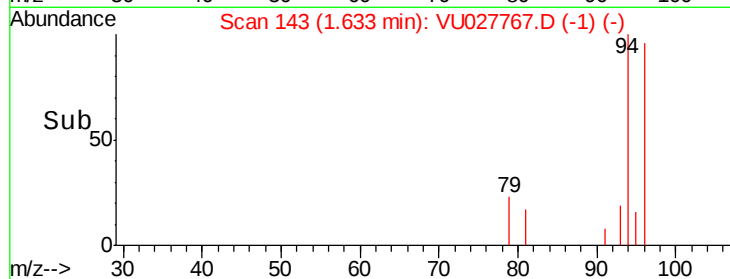
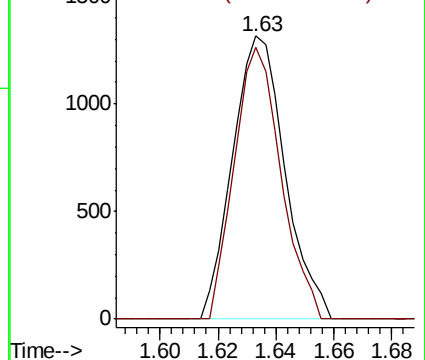
94 100

96 96.0 74.2 111.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.735 ug/l

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027767.D

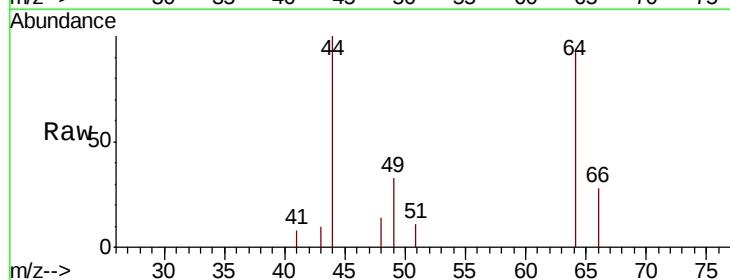
Acq: 23 Oct 2018 16:57

Tgt Ion: 64 Resp: 1828

Ion Ratio Lower Upper

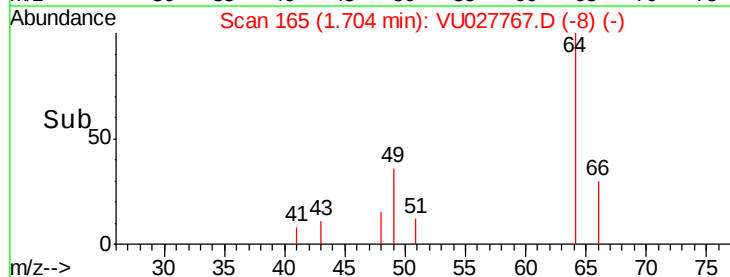
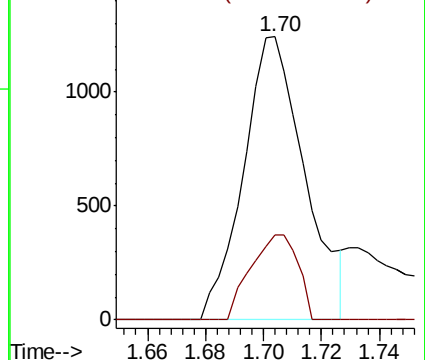
64 100

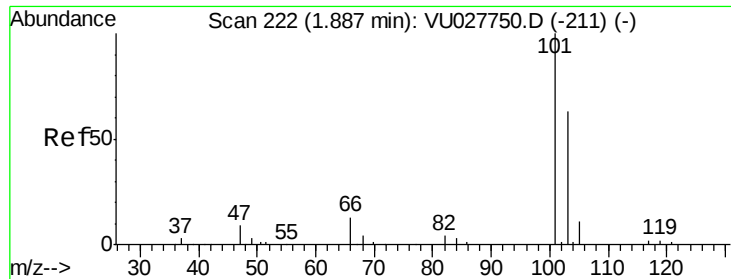
66 30.1 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



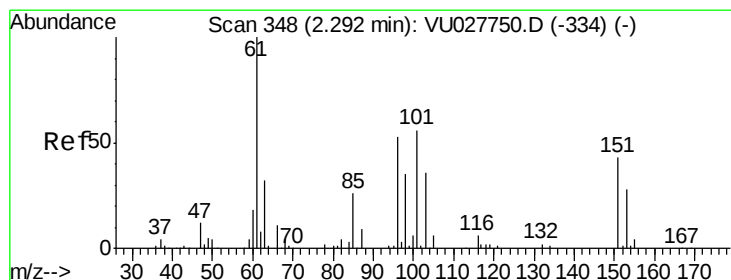
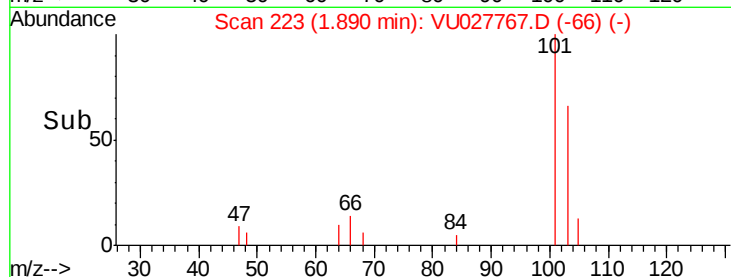
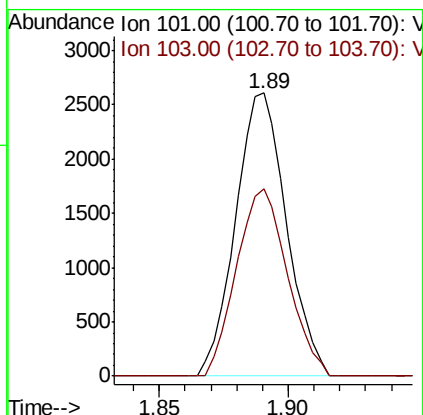
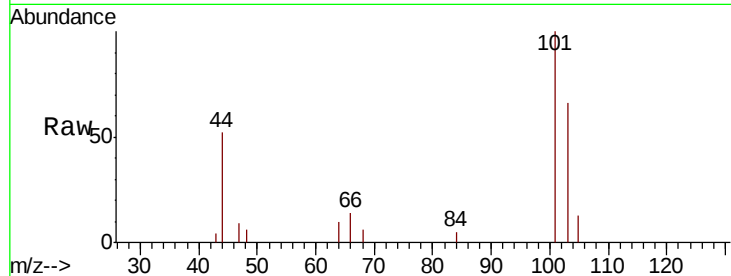


#7

Trichlorofluoromethane
 Concen: 0.639 ug/l
 RT: 1.89 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Instrument :
 MSVOA_U
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 LOQ-WATER-02-QT4-2018

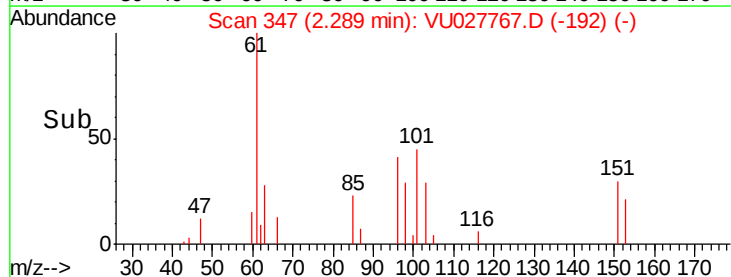
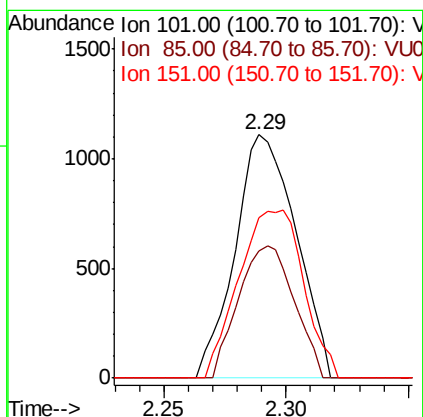
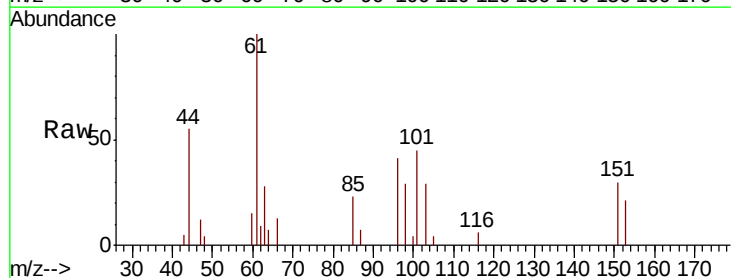
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 Ion Ratio Lower Upper
 101 100
 103 66.4 50.2 75.2

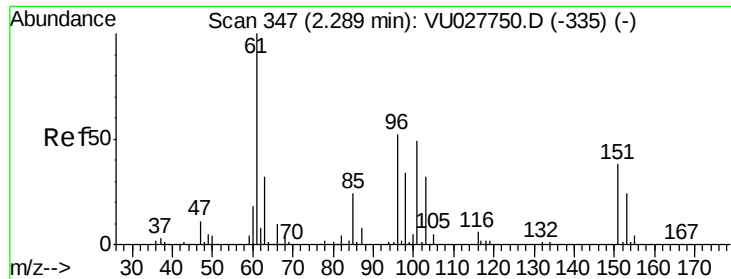


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.652 ug/l
 RT: 2.29 min Scan# 347
 Delta R.T. -0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Tgt Ion:101 Resp: 1918
 Ion Ratio Lower Upper
 101 100
 85 49.8 38.2 57.2
 151 73.7 61.8 92.8

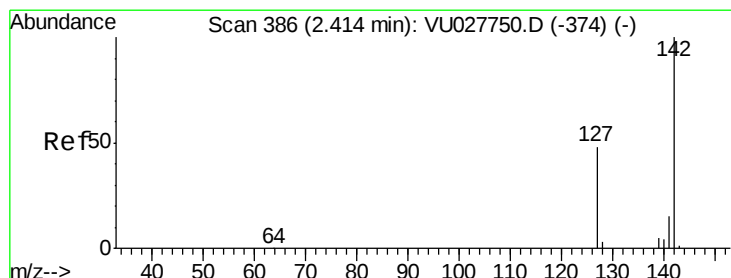
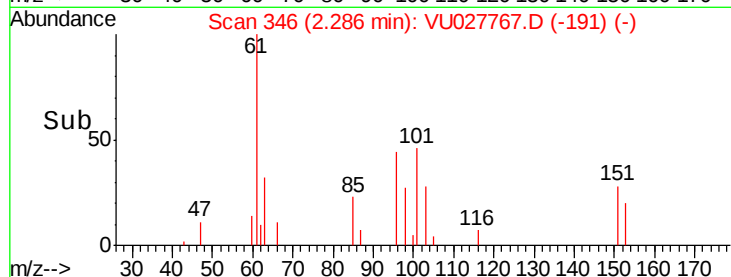
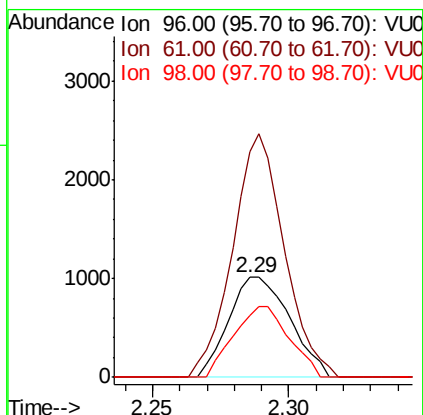
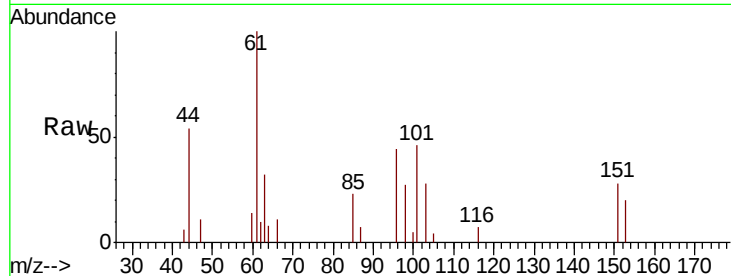




#9
 1,1-Dichloroethene
 Concen: 0.609 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

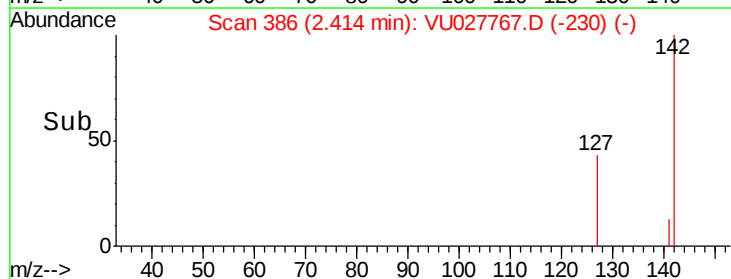
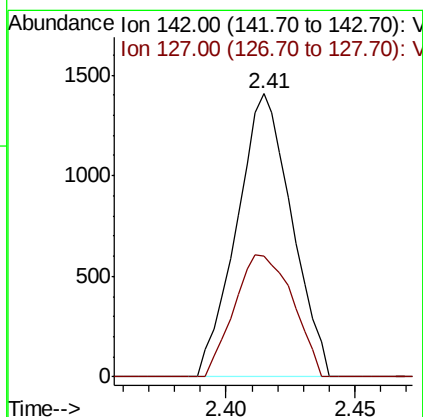
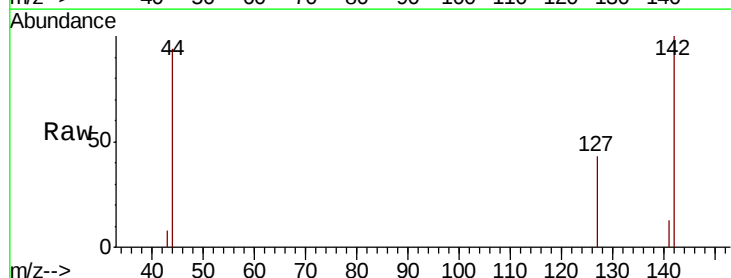
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

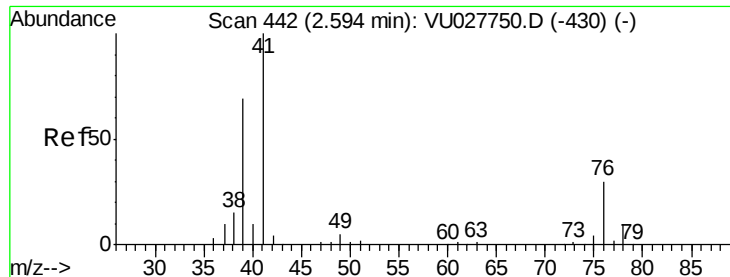
Tot Ion: 96 Resp: 1573
 Ion Ratio Lower Upper
 96 100
 61 225.8 0.0 581.4
 98 62.0 0.0 131.2



#10
 Iodomethane
 Concen: 0.604 ug/l
 RT: 2.41 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Tgt Ion: 142 Resp: 2094
 Ion Ratio Lower Upper
 142 100
 127 45.8 39.2 58.8

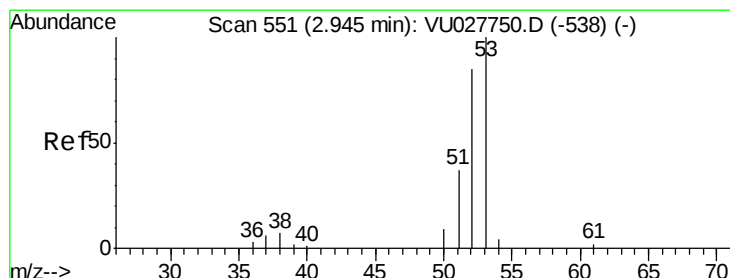
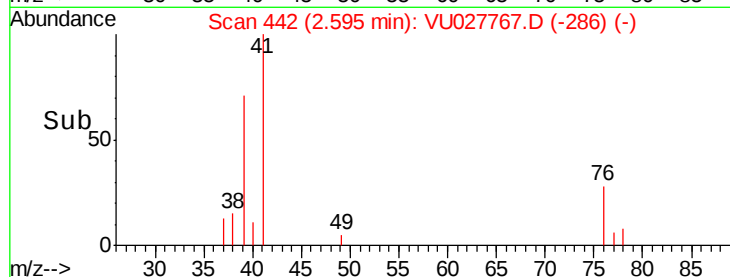
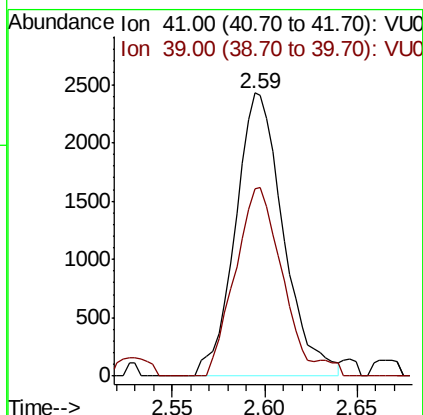
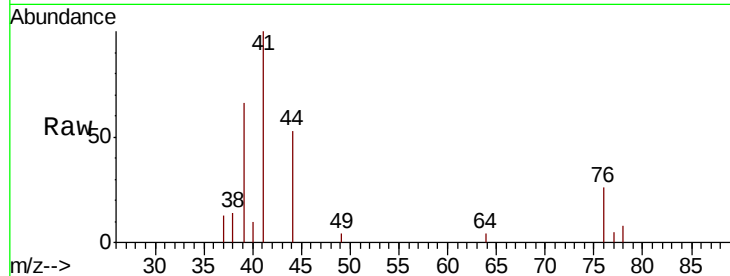




#11
Allvl Chloride
Concen: 0.715 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

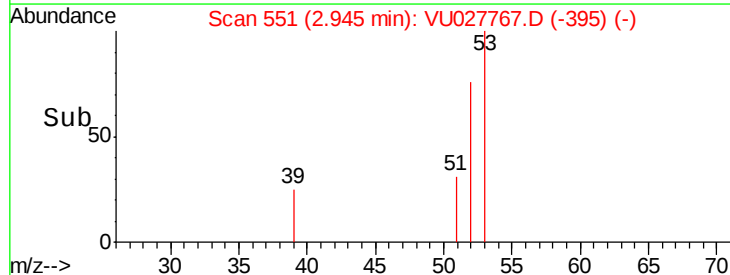
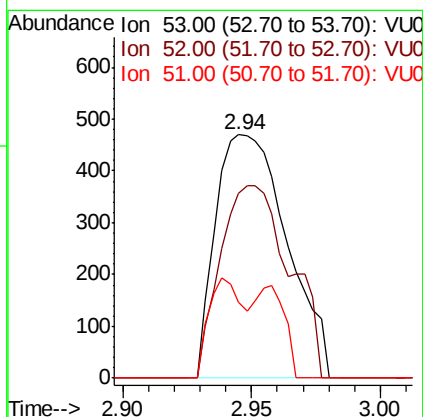
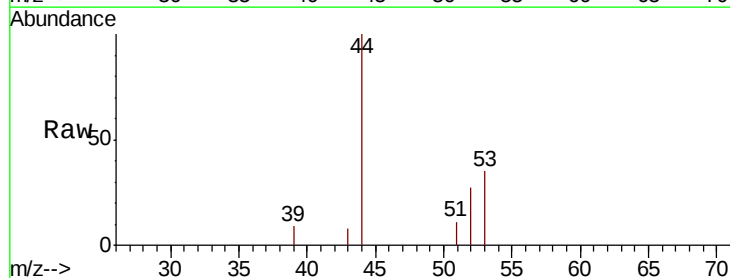
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

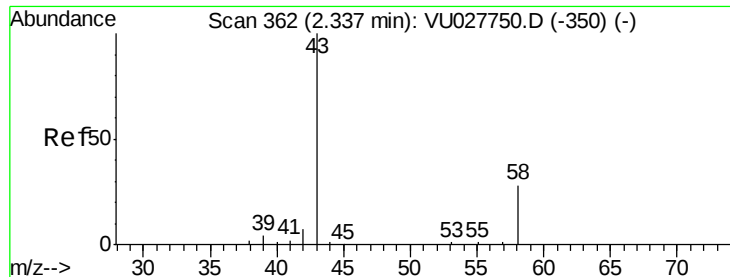
Tot Ion: 41 Resp: 4368
Ion Ratio Lower Upper
41 100
39 64.1 55.4 83.0



#12
Acrylonitrile
Concen: 1.151 ug/l
RT: 2.94 min Scan# 551
Delta R.T. 0.00 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Tgt Ion: 53 Resp: 906
Ion Ratio Lower Upper
53 100
52 76.8 67.9 101.9
51 19.5 30.0 45.0#





#13

Acetone

Concen: 4.054 ug/l

RT: 2.34 min Scan# 364

Delta R.T. 0.01 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

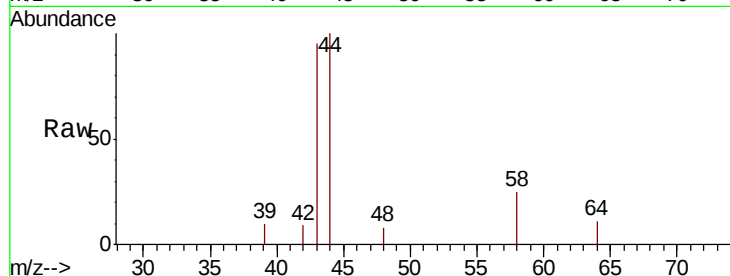
LOQ-WATER-02-QT4-2018

Tot Ion: 43 Resp: 2911

Ion Ratio Lower Upper

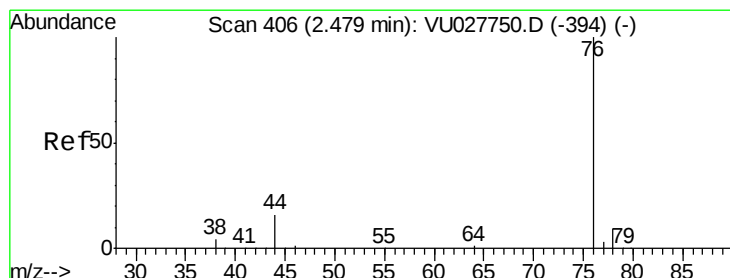
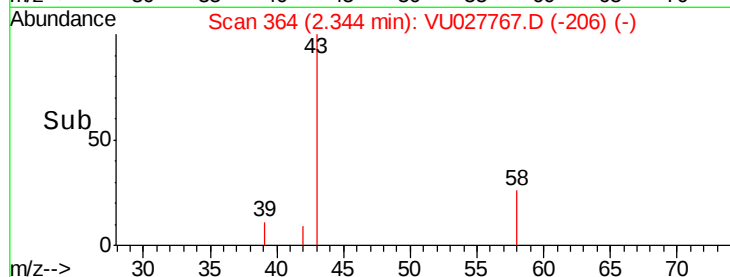
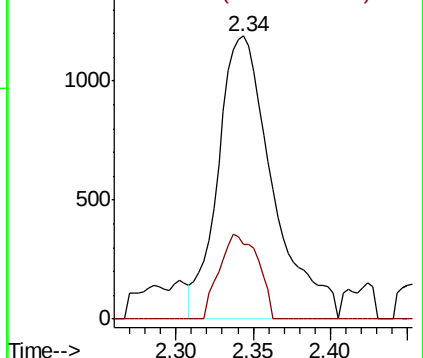
43 100

58 26.2 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 0.624 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027767.D

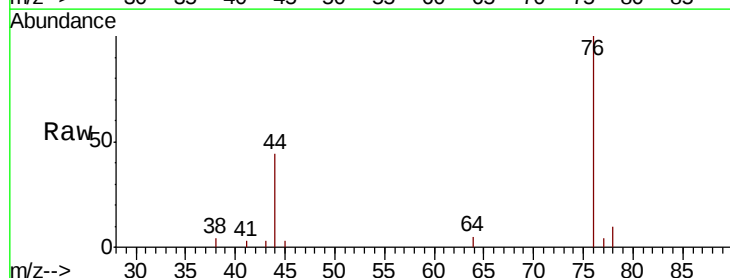
Acq: 23 Oct 2018 16:57

Tgt Ion: 76 Resp: 6001

Ion Ratio Lower Upper

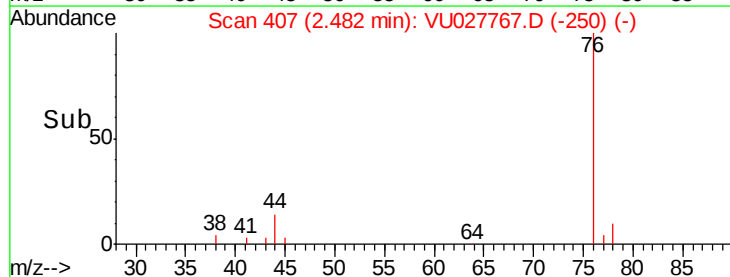
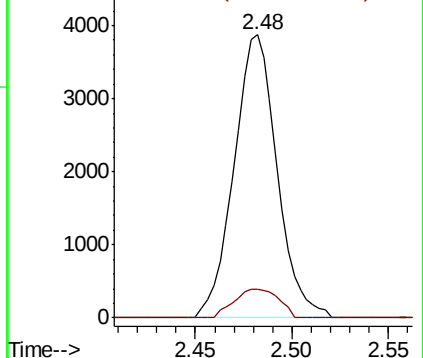
76 100

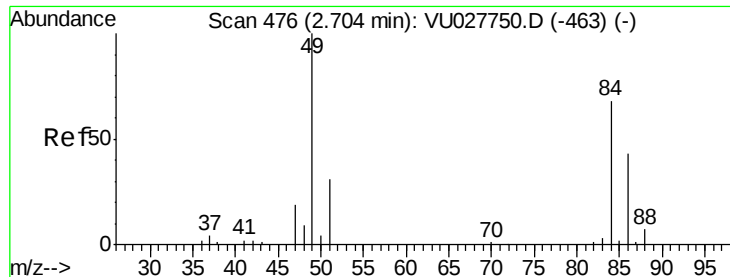
78 10.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

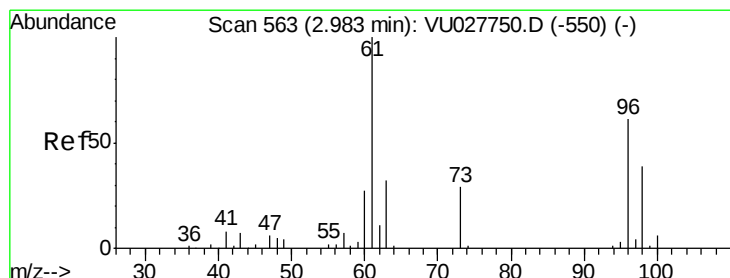
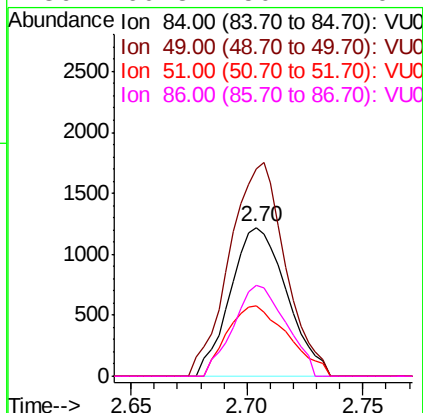
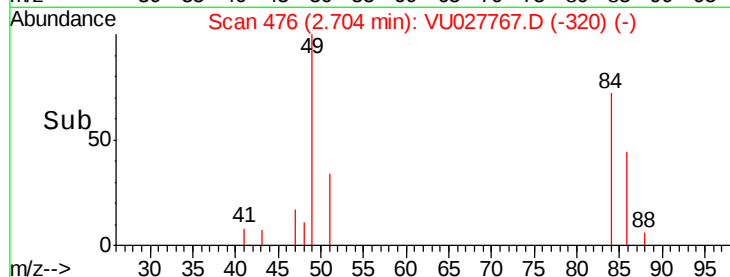
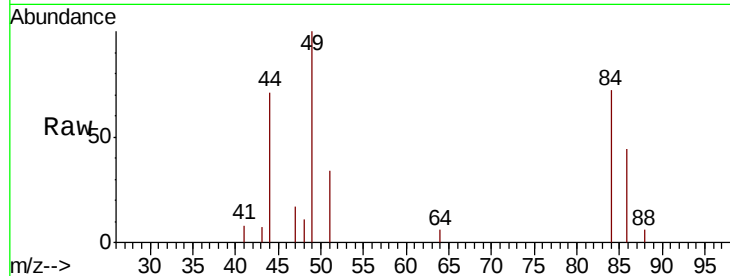




#15
Methvlene Chloride
Concen: 0.634 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

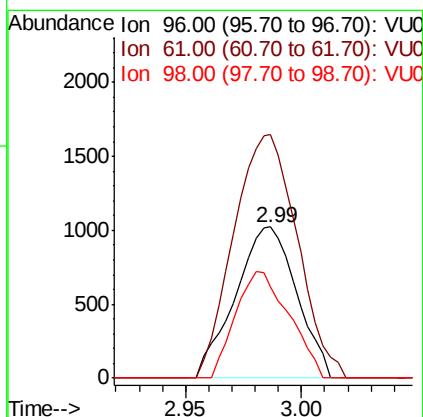
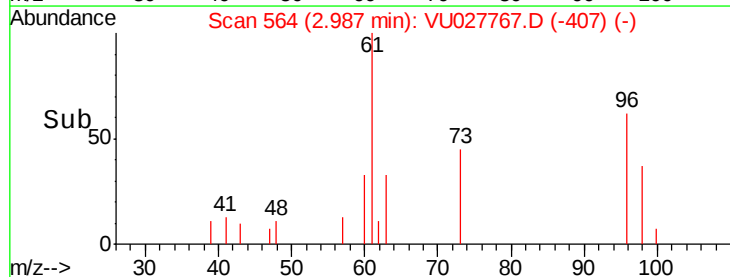
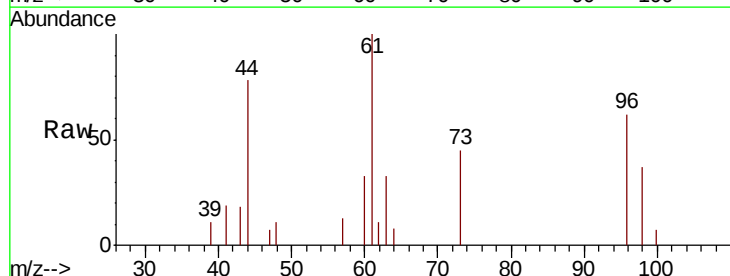
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

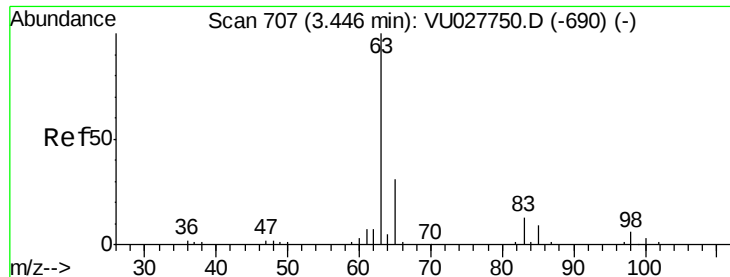
Tot Ion:	84	Resp:	2061
Ion	Ratio	Lower	Upper
84	100		
49	139.0	118.5	177.7
51	47.1	0.0	91.0
86	60.8	50.7	76.1



#16
trans-1,2-Dichloroethene
Concen: 0.653 ug/l
RT: 2.99 min Scan# 564
Delta R.T. 0.00 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Tgt Ion:	96	Resp:	1877
Ion	Ratio	Lower	Upper
96	100		
61	161.2	131.8	197.6
98	60.4	51.2	76.8

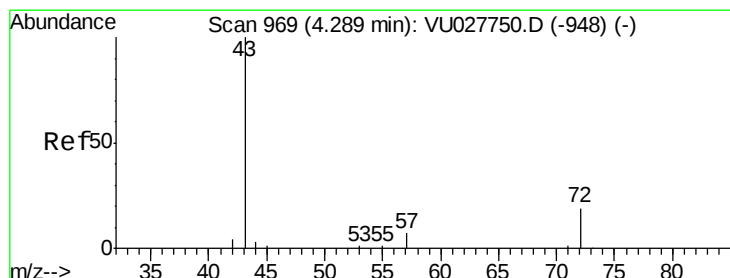
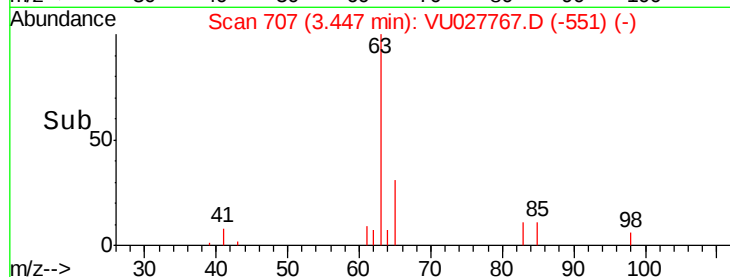
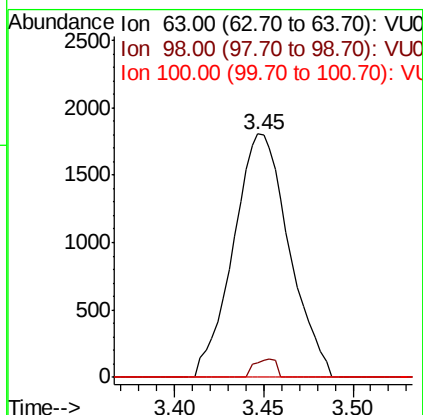
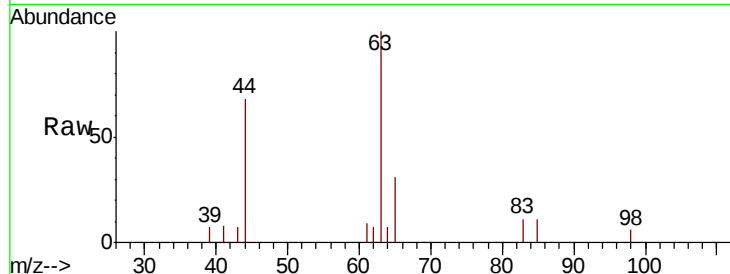




#17
 1,1-Dichloroethane
 Concen: 0.619 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

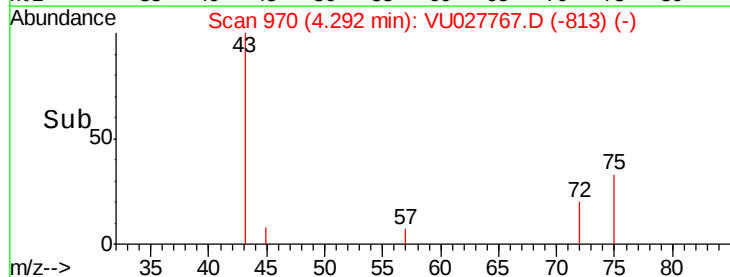
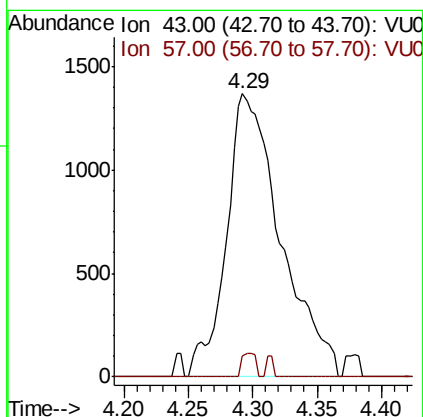
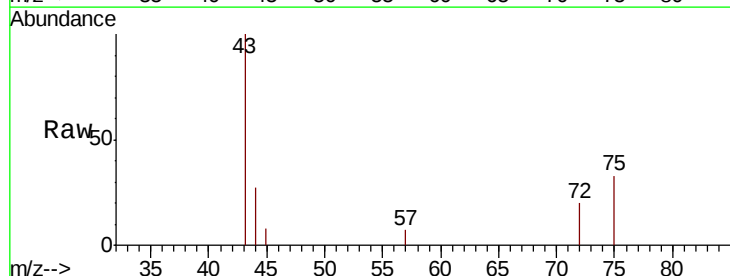
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

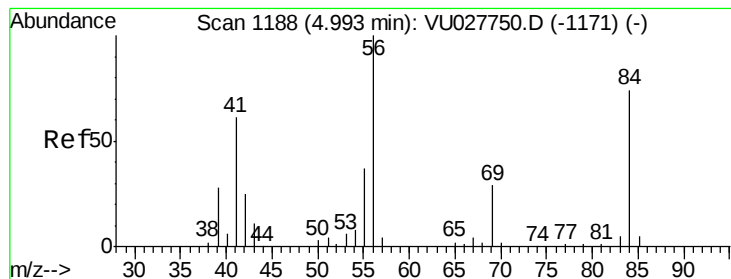
Tot Ion: 63 Resp: 3923
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.8 8.4
 100 0.0 1.5 4.5#



#18
 2-Butanone
 Concen: 3.364 ug/l
 RT: 4.29 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Tgt Ion: 43 Resp: 4011
 Ion Ratio Lower Upper
 43 100
 57 7.3 0.0 14.4





#19

Cyclohexane

Concen: 0.598 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

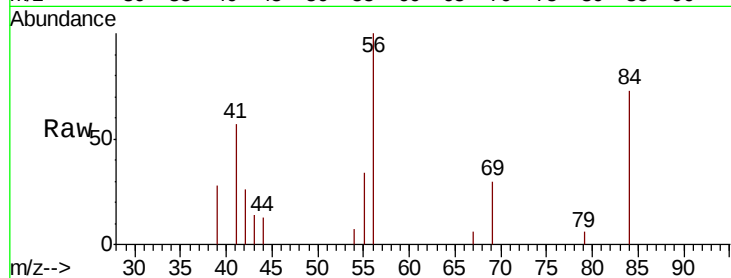
Tot Ion: 56 Resp: 3401

Ion Ratio Lower Upper

56 100

69 32.2 25.9 38.9

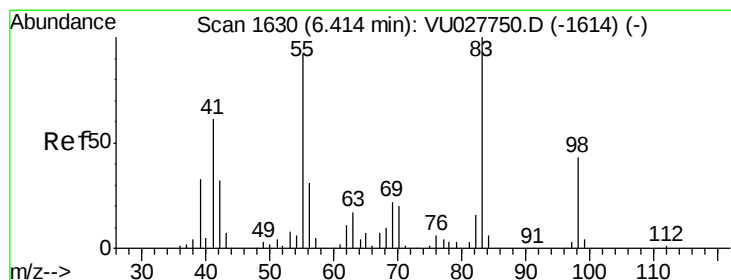
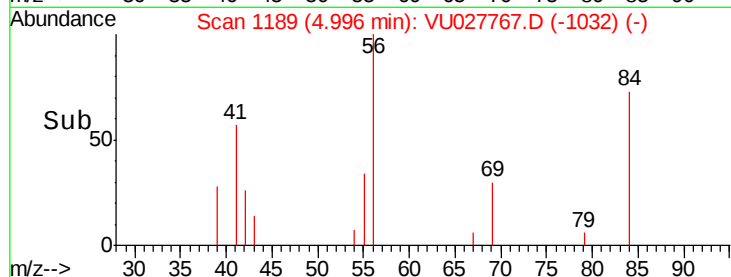
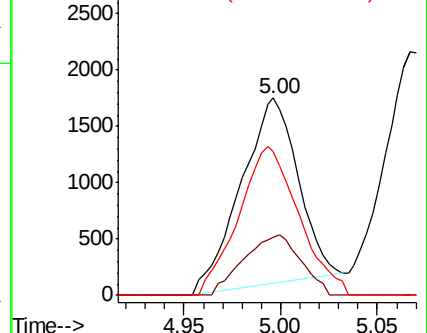
84 84.0 65.9 98.9



Abundance Ion 56.00 (55.70 to 56.70): VU027750.D (-1171) (-)

Ion 69.00 (68.70 to 69.70): VU027750.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU027750.D (-1171) (-)



#20

Methylcyclohexane

Concen: 0.612 ug/l

RT: 6.41 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

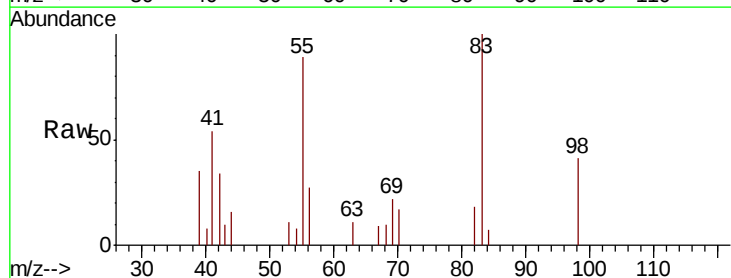
Tgt Ion: 83 Resp: 3530

Ion Ratio Lower Upper

83 100

55 94.1 72.6 108.8

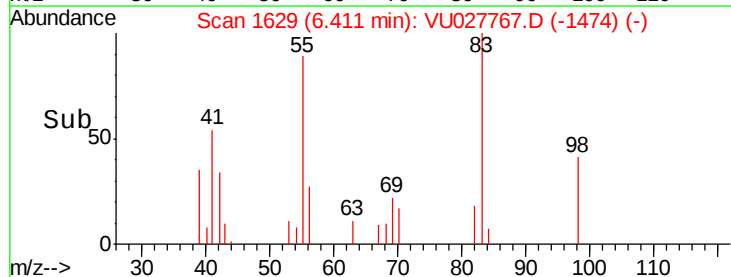
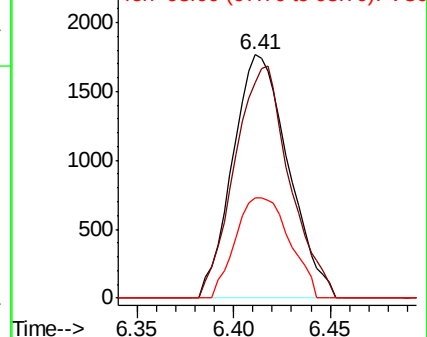
98 40.1 35.0 52.4

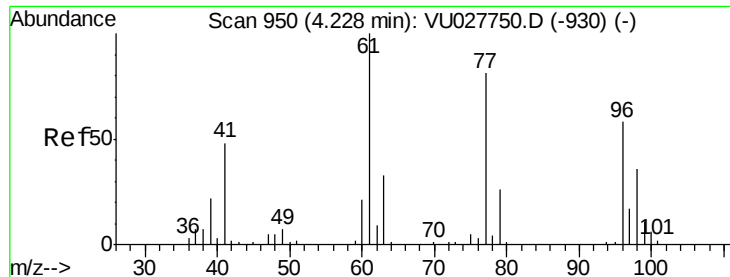


Abundance Ion 83.00 (82.70 to 83.70): VU027750.D (-1614) (-)

Ion 55.00 (54.70 to 55.70): VU027750.D (-1614) (-)

Ion 98.00 (97.70 to 98.70): VU027750.D (-1614) (-)

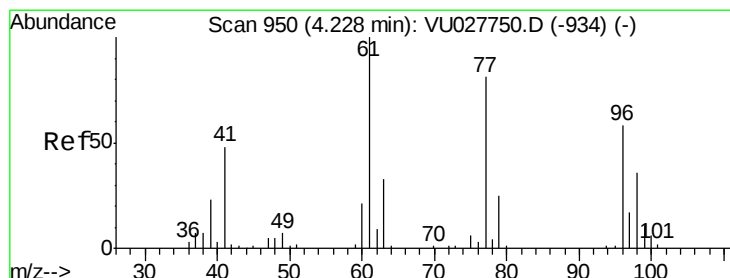
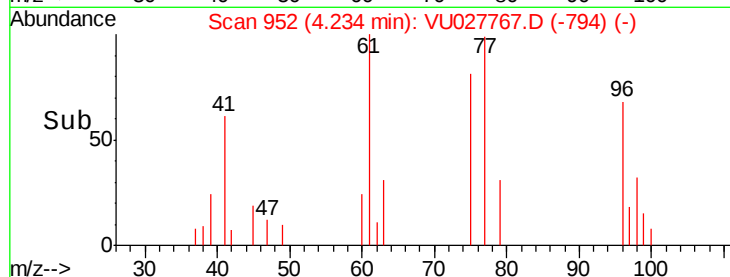
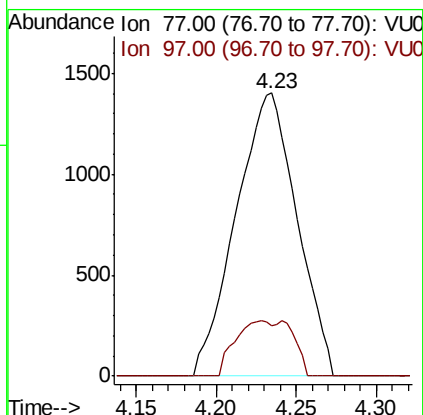
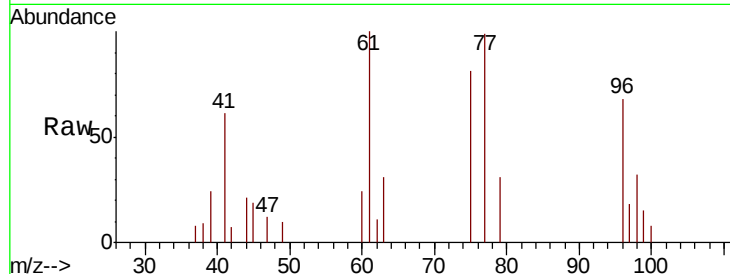




#21
 2,2-Dichloropropane
 Concen: 0.656 ug/l
 RT: 4.23 min Scan# 952
 Delta R.T. 0.01 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

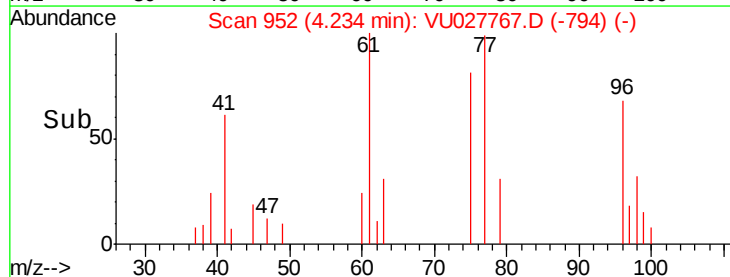
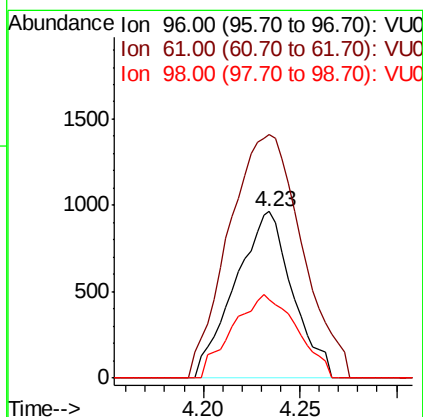
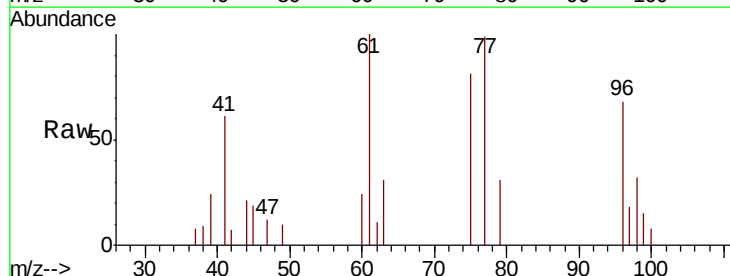
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

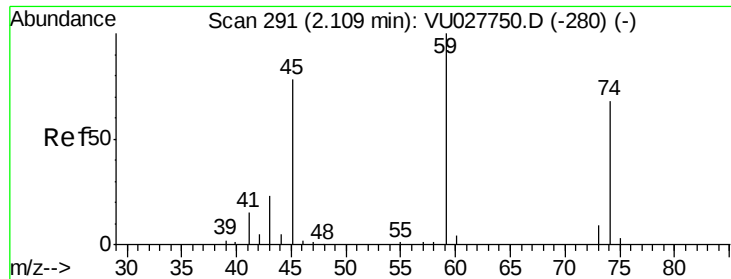
Tot Ion: 77 Resp: 3672
 Ion Ratio Lower Upper
 77 100
 97 11.5 16.9 25.3#



#22
 cis-1,2-Dichloroethene
 Concen: 0.580 ug/l
 RT: 4.23 min Scan# 952
 Delta R.T. 0.01 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Tgt Ion: 96 Resp: 1997
 Ion Ratio Lower Upper
 96 100
 61 185.8 0.0 444.0
 98 56.1 31.9 95.5



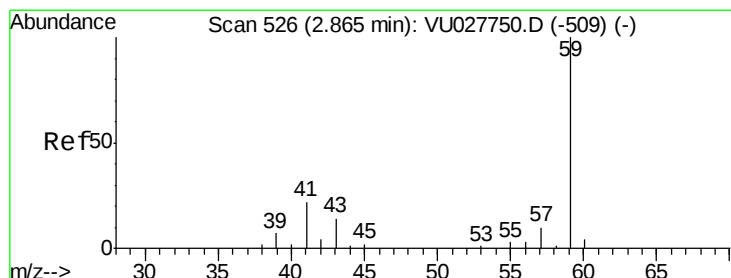
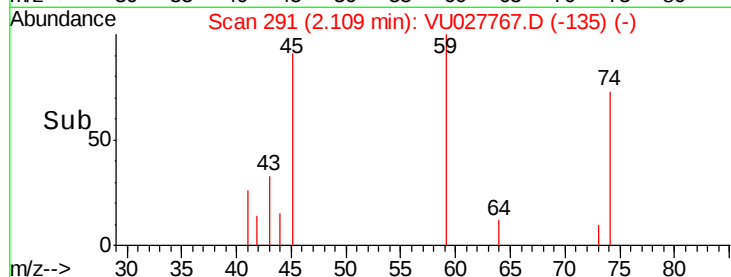
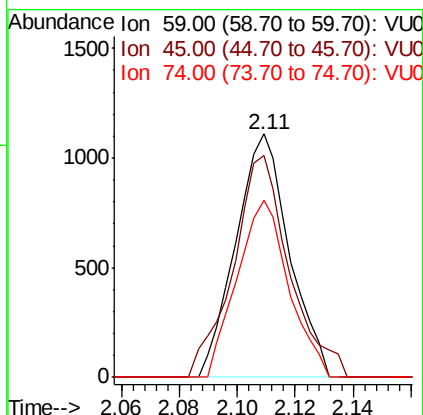
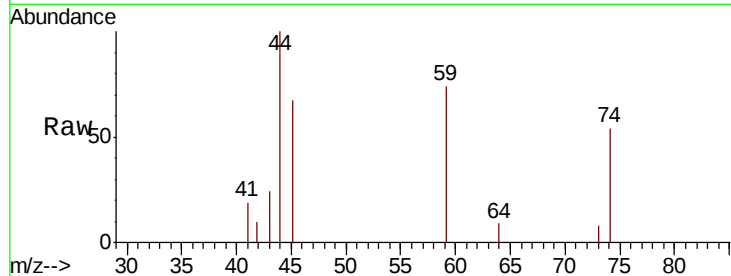


#23
Diethyl Ether
Concen: 0.579 ug/l
RT: 2.11 min Scan# 291
Delta R.T. 0.00 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tot Ion: 59 Resp: 1421

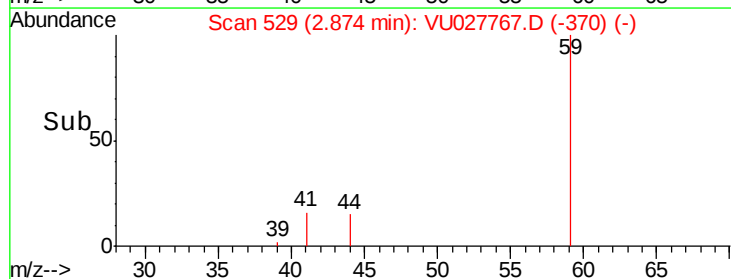
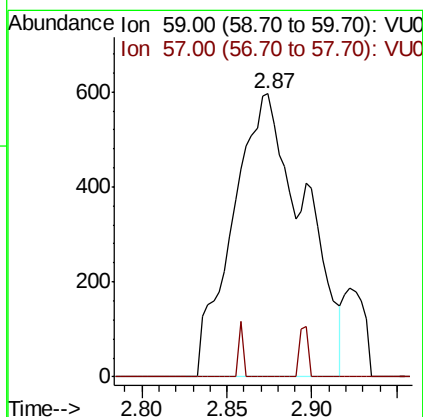
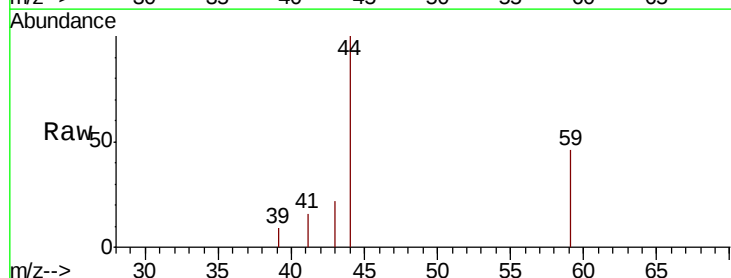
Ion	Ratio	Lower	Upper
59	100		
45	95.8	64.6	96.8
74	70.1	54.8	82.2

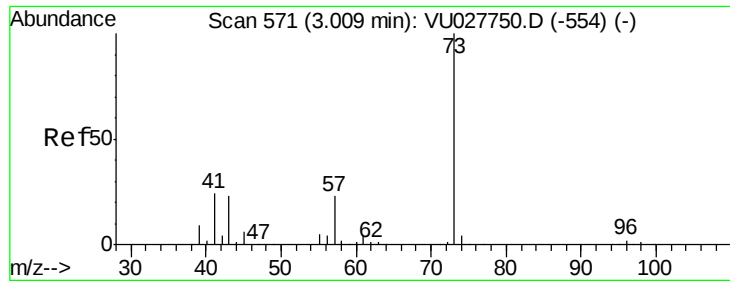


#24
tert-Butyl Alcohol
Concen: 6.657 ug/l m
RT: 2.87 min Scan# 529
Delta R.T. 0.01 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Tgt Ion: 59 Resp: 1743

Ion	Ratio	Lower	Upper
59	100		
57	2.3	4.4	6.6#



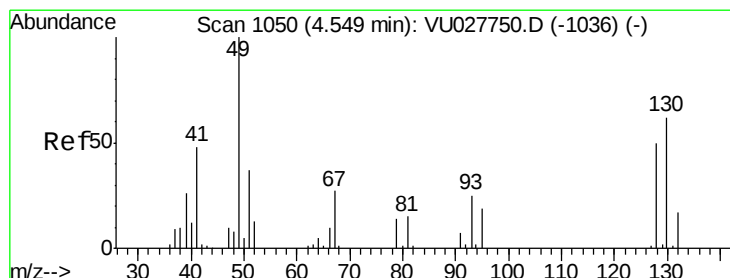
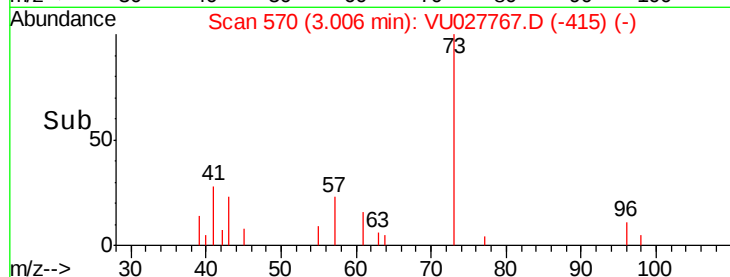
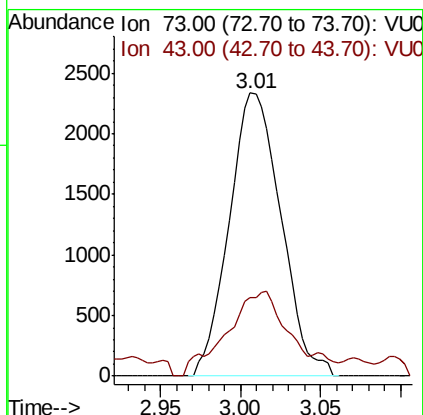
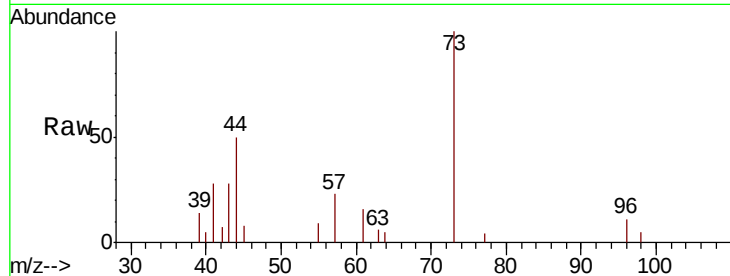


#25

Methyl tert-Butyl Ether
 Concen: 0.629 ug/l
 RT: 3.01 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

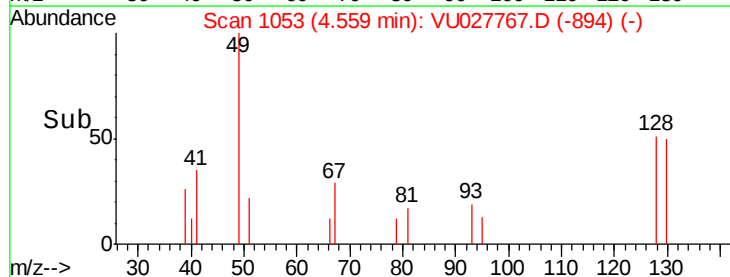
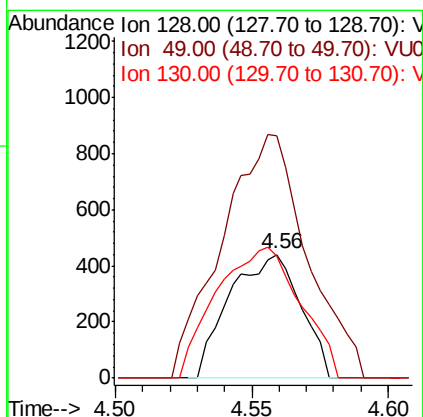
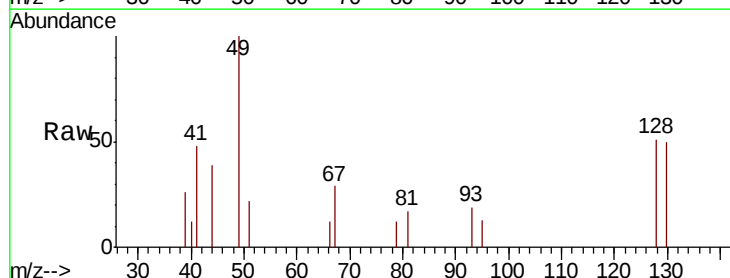
Tot Ion: 73 Resp: 5173
 Ion Ratio Lower Upper
 73 100
 43 34.9 18.6 27.8#

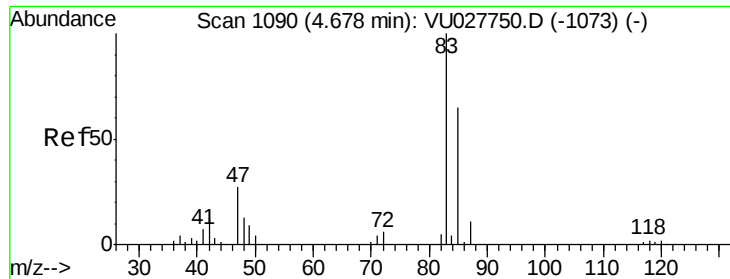


#26

Bromochloromethane
 Concen: 0.576 ug/l
 RT: 4.56 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Tgt Ion: 128 Resp: 795
 Ion Ratio Lower Upper
 128 100
 49 236.2 0.0 427.6
 130 125.3 103.4 155.0

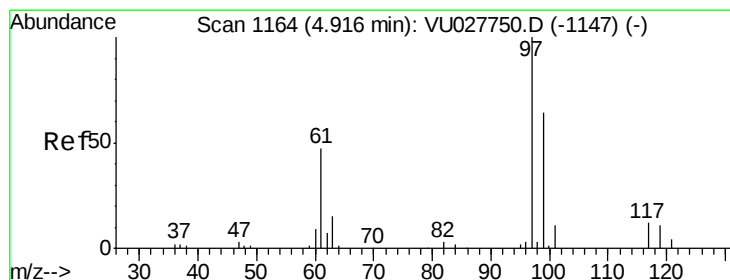
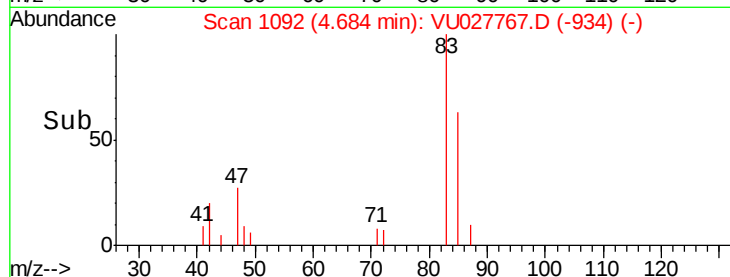
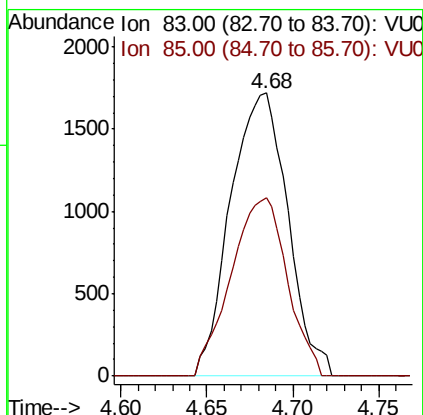
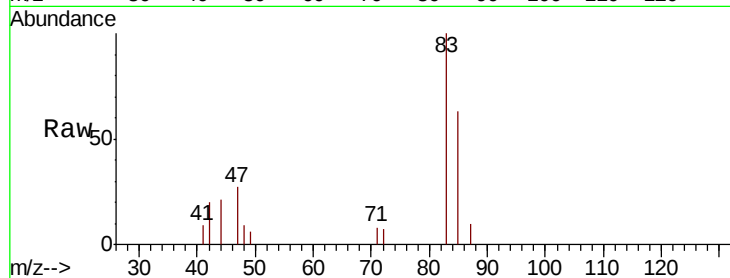




#27
Chloroform
Concen: 0.643 ug/l
RT: 4.68 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

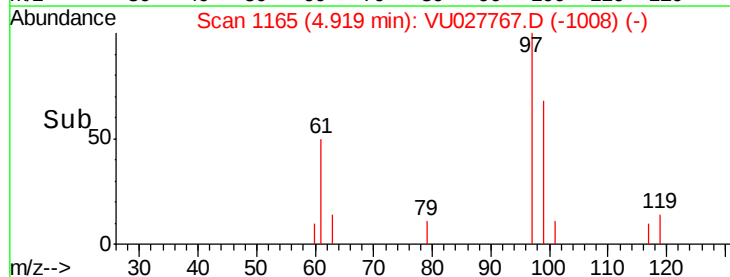
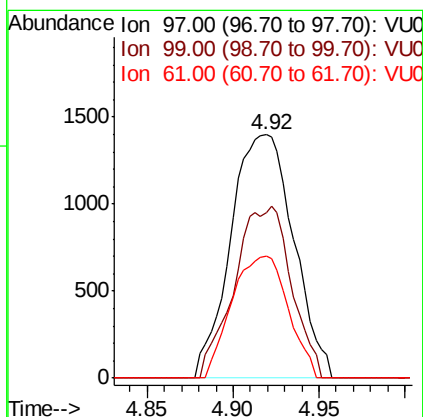
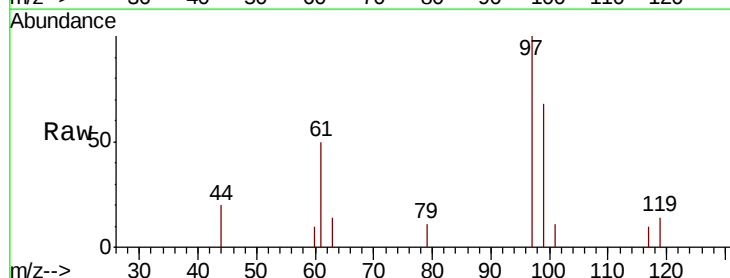
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

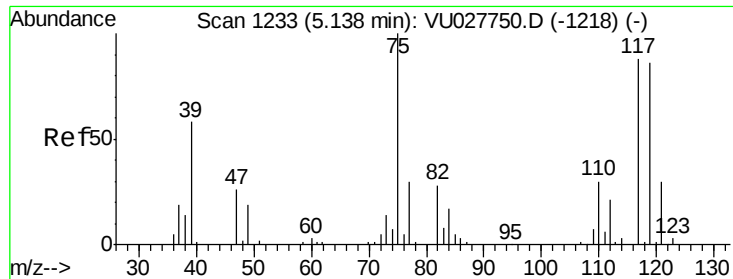
Tot Ion: 83 Resp: 3972
Ion Ratio Lower Upper
83 100
85 62.8 0.0 130.2



#28
1,1,1-Trichloroethane
Concen: 0.647 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Tgt Ion: 97 Resp: 3554
Ion Ratio Lower Upper
97 100
99 63.7 31.8 95.4
61 44.9 23.6 70.8

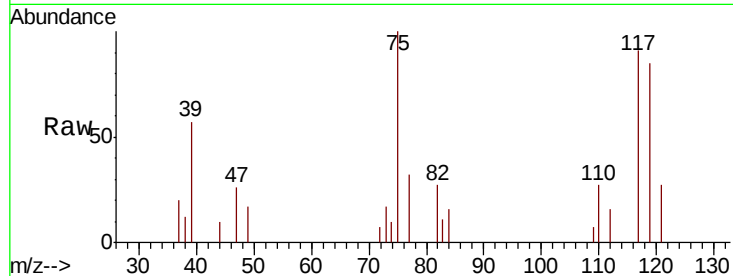




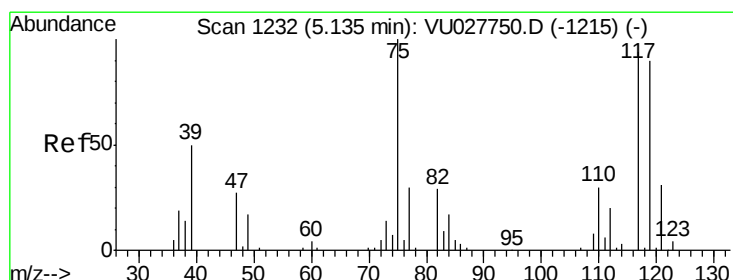
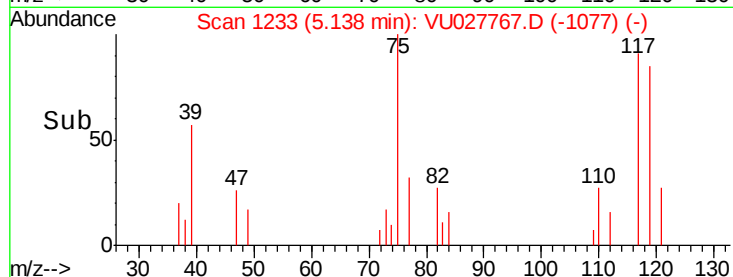
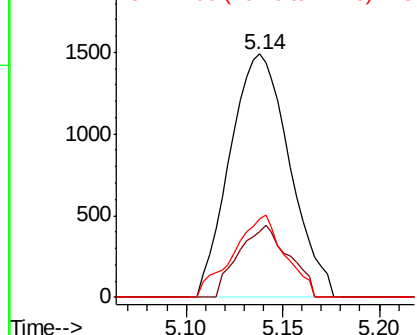
#29
 1,1-Dichloropropene
 Concen: 0.665 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tot Ion: 75 Resp: 3193
 Ion Ratio Lower Upper
 75 100
 110 25.1 15.6 46.8
 77 29.3 24.5 36.7

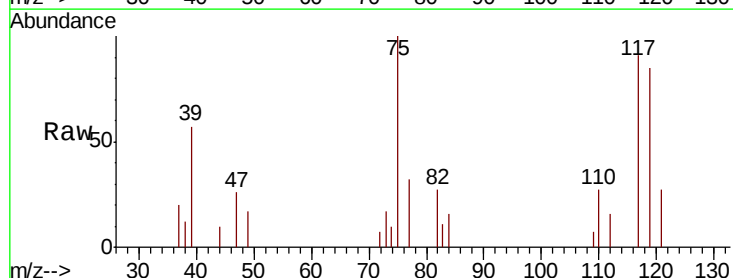


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VU0

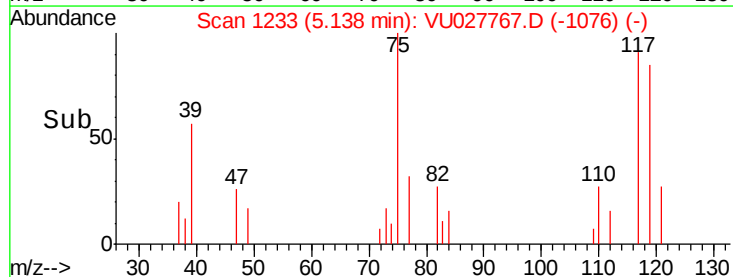
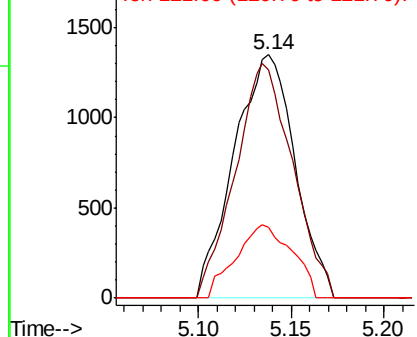


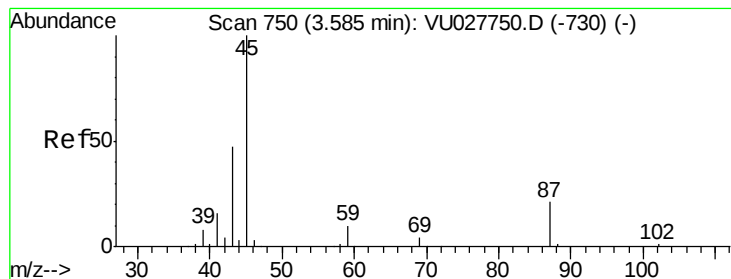
#30
 Carbon Tetrachloride
 Concen: 0.627 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Tgt Ion: 117 Resp: 3078
 Ion Ratio Lower Upper
 117 100
 119 93.6 76.2 114.4
 121 29.3 26.4 39.6



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: 0.651 ug/l

RT: 3.58 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

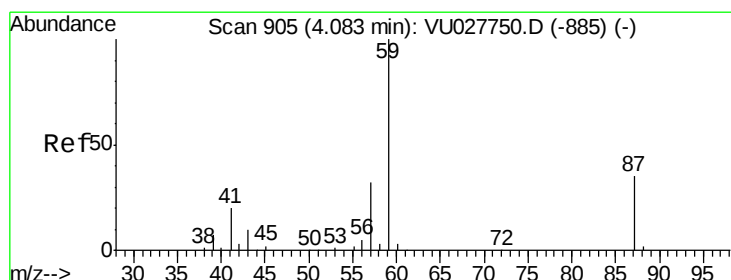
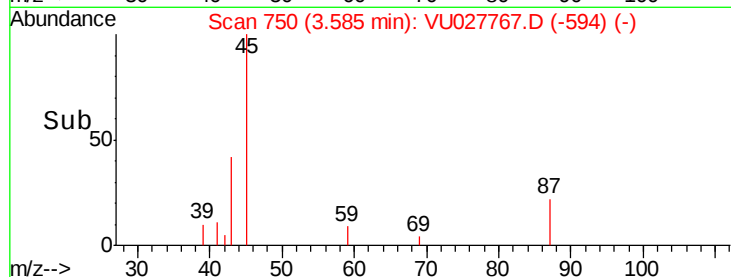
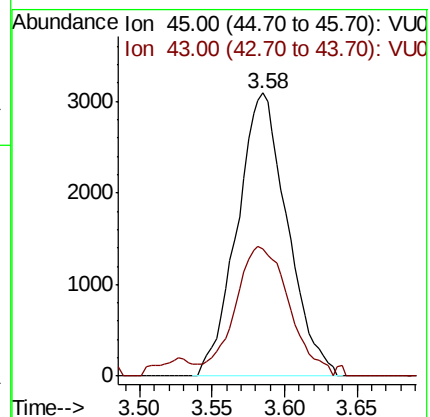
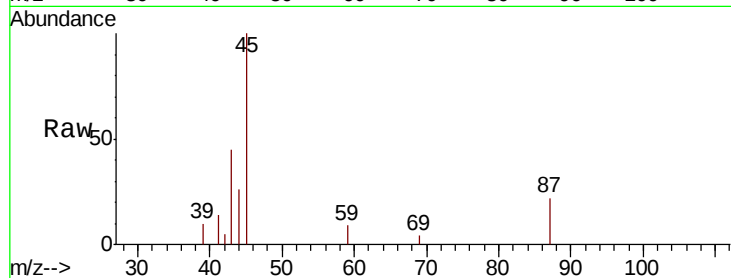
LOQ-WATER-02-QT4-2018

Tot Ion: 45 Resp: 7435

Ion Ratio Lower Upper

45 100

43 49.6 24.5 73.5



#32

Ethyl-t-butyl ether

Concen: 0.619 ug/l

RT: 4.08 min Scan# 904

Delta R.T. -0.00 min

Lab File: VU027767.D

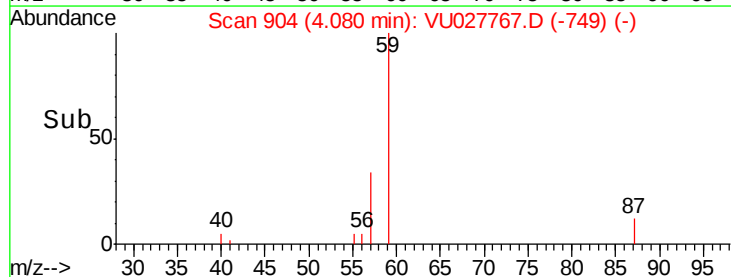
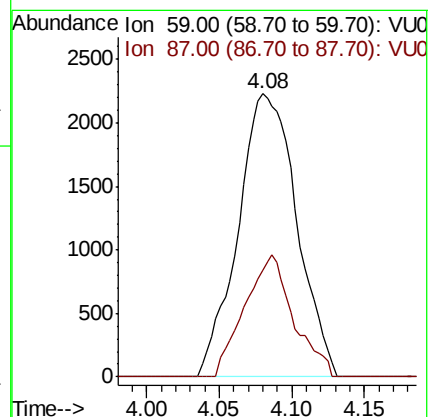
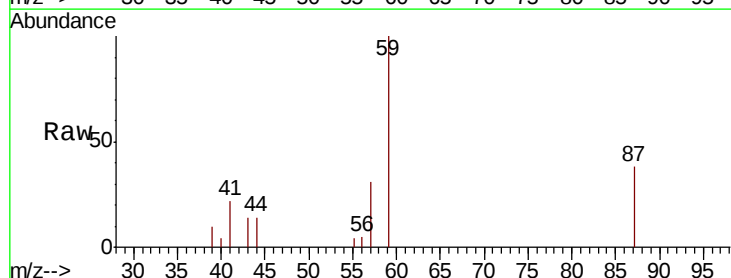
Acq: 23 Oct 2018 16:57

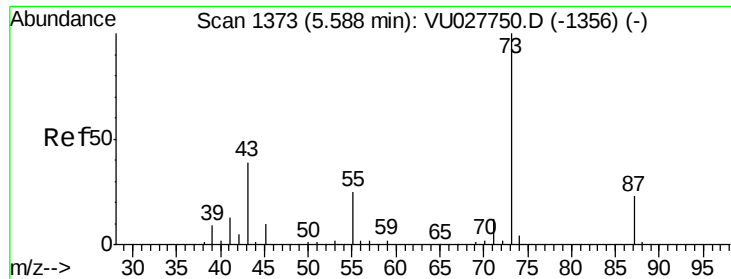
Tgt Ion: 59 Resp: 6270

Ion Ratio Lower Upper

59 100

87 35.9 29.4 44.0

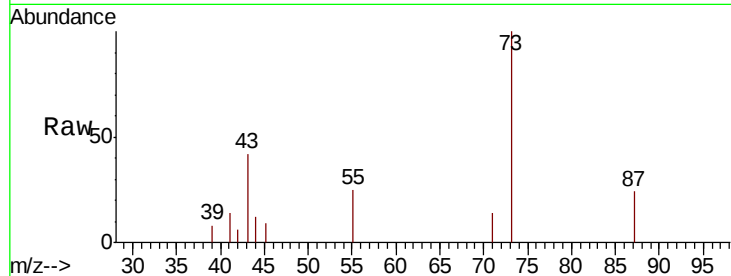




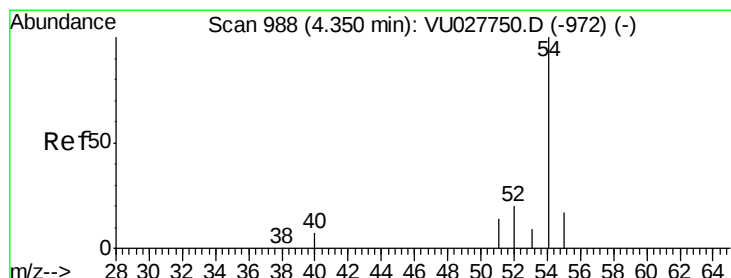
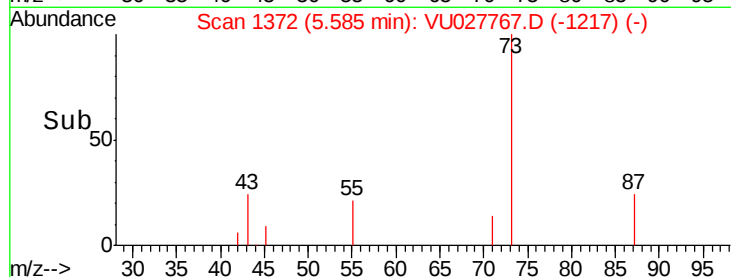
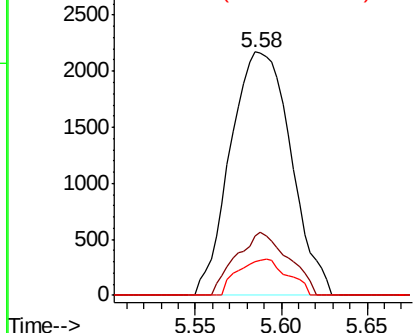
#33
Tert-Butyl methyl ether
Concen: 0.617 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tot Ion: 73 Resp: 5304
Ion Ratio Lower Upper
73 100
87 22.6 18.5 27.7
71 12.3 9.1 13.7

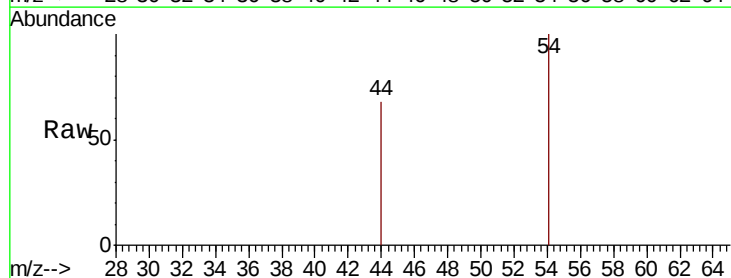


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

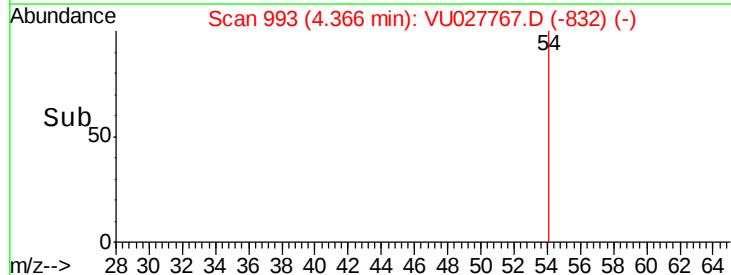
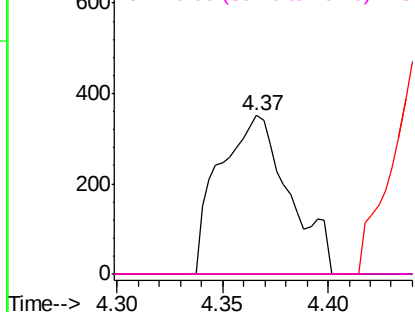


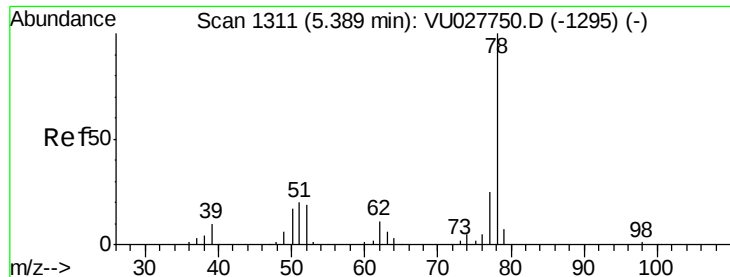
#34
Propionitrile
Concen: 2.832 ug/l
RT: 4.37 min Scan# 993
Delta R.T. 0.02 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Tgt Ion: 54 Resp: 805
Ion Ratio Lower Upper
54 100
52 0.0 15.5 23.3#
55 144.6 12.6 18.8#
40 8.2 6.1 9.1



Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 0.668 ug/l

RT: 5.40 min Scan# 1313

Delta R.T. 0.01 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

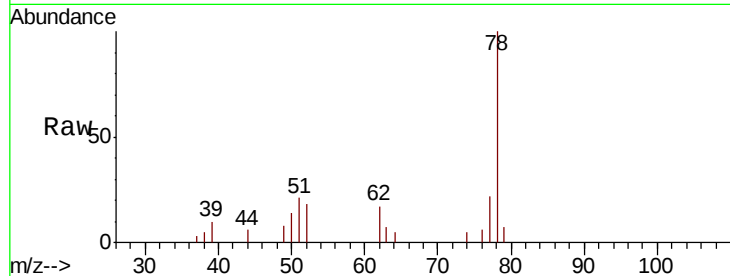
LOQ-WATER-02-QT4-2018

Tot Ion: 78 Resp: 8962

Ion Ratio Lower Upper

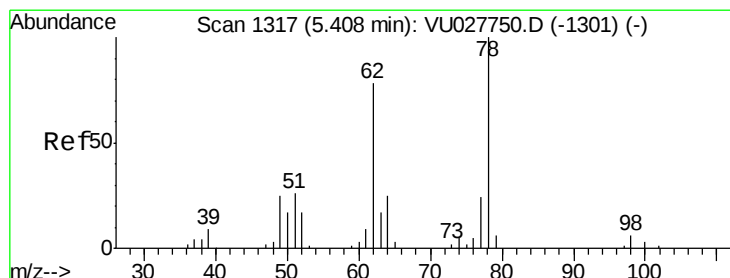
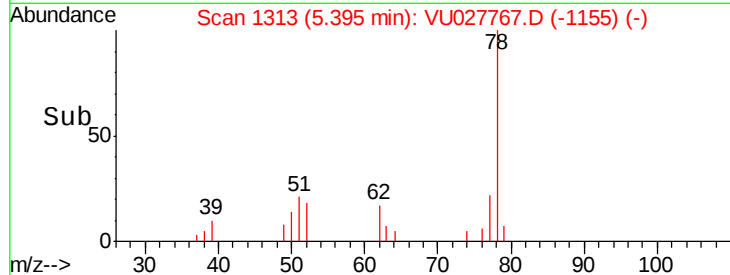
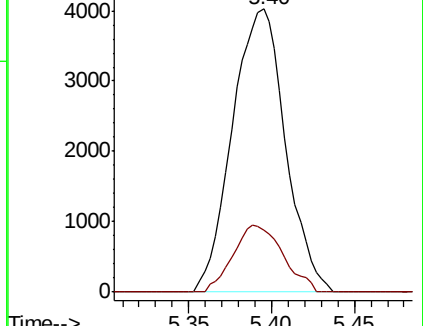
78 100

77 22.0 19.9 29.9



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 0.600 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU027767.D

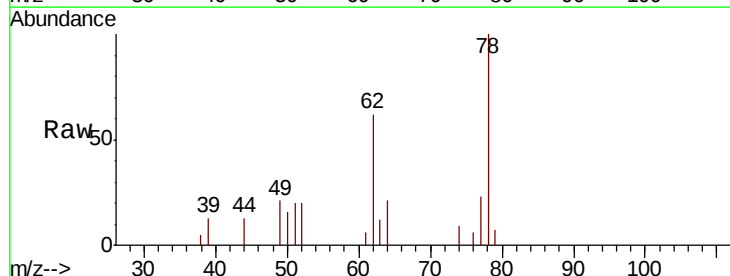
Acq: 23 Oct 2018 16:57

Tgt Ion: 62 Resp: 2680

Ion Ratio Lower Upper

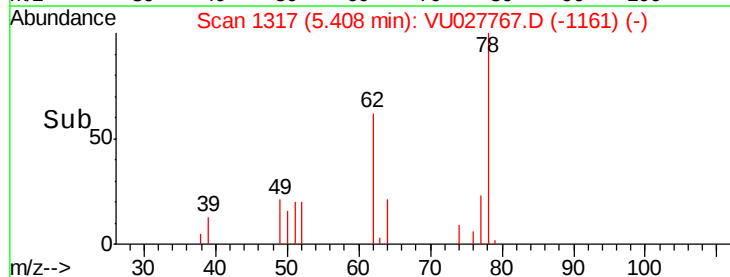
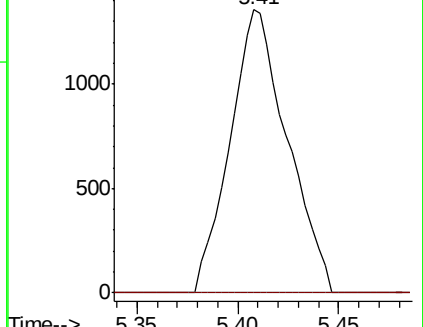
62 100

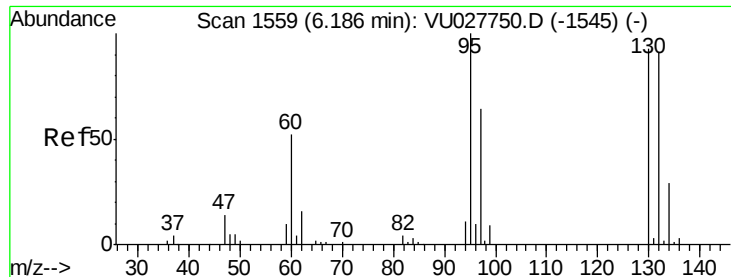
98 0.0 5.8 8.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

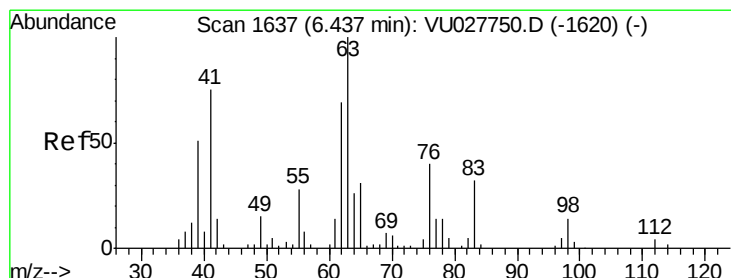
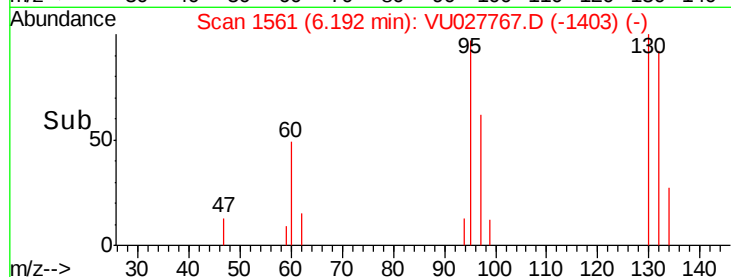
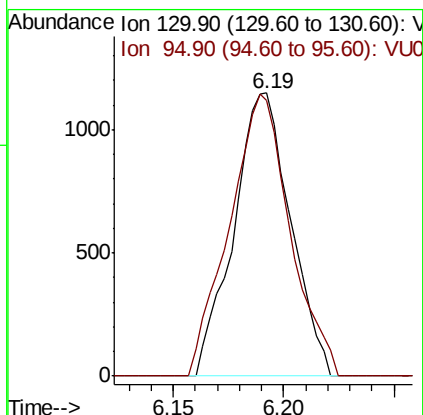
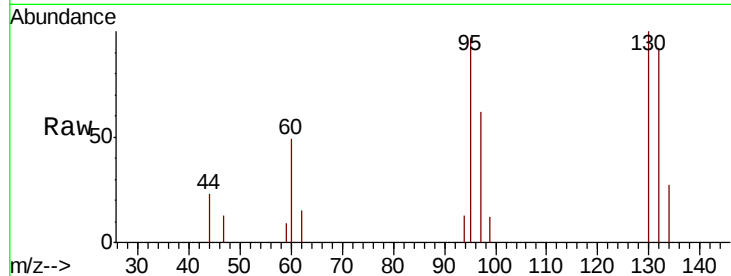




#37
 Trichloroethene
 Concen: 0.622 ug/l
 RT: 6.19 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

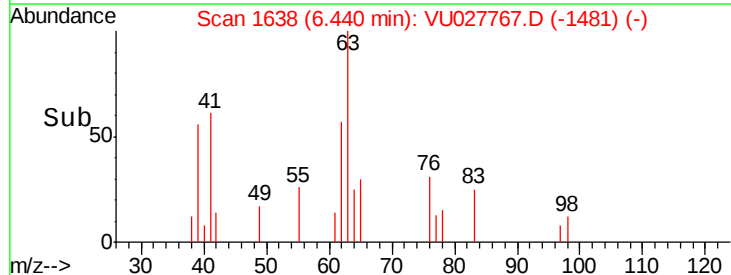
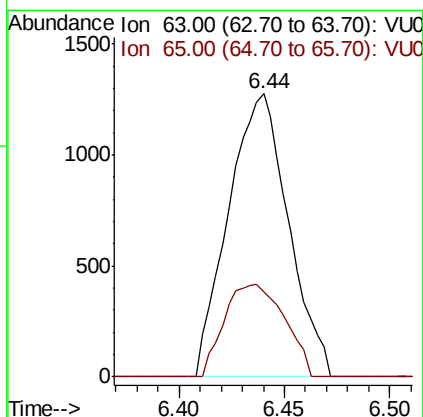
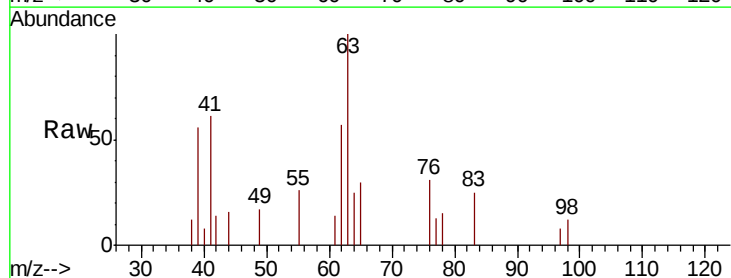
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

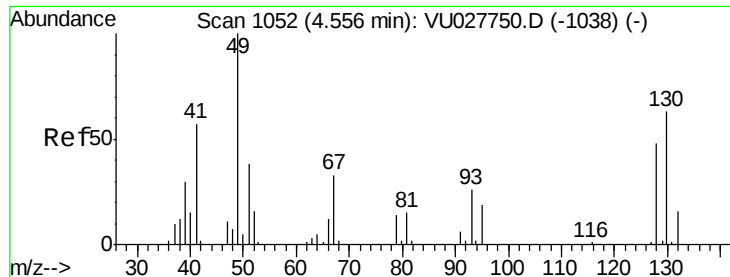
Tot Ion:130 Resp: 2057
 Ion Ratio Lower Upper
 130 100
 95 97.5 86.4 129.6



#38
 1,2-Dichloropropane
 Concen: 0.669 ug/l
 RT: 6.44 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Tgt Ion: 63 Resp: 2521
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.9 37.3

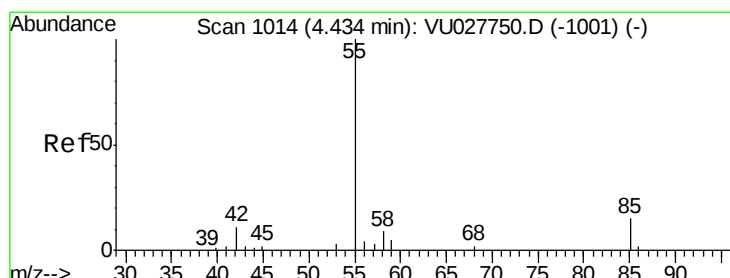
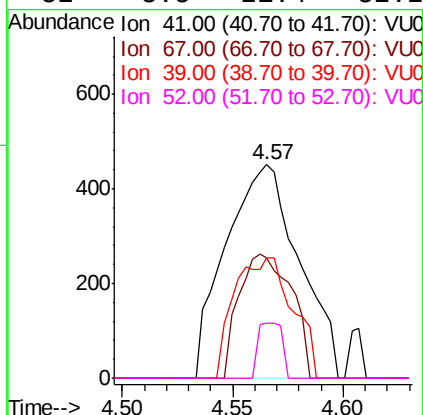
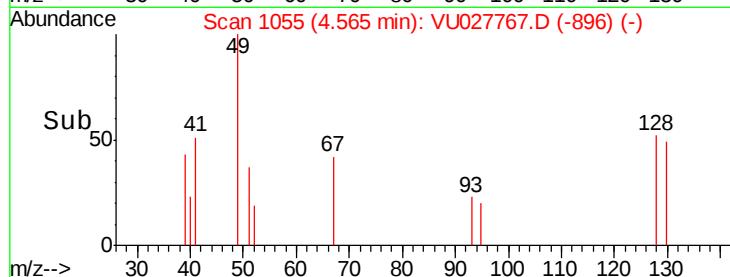
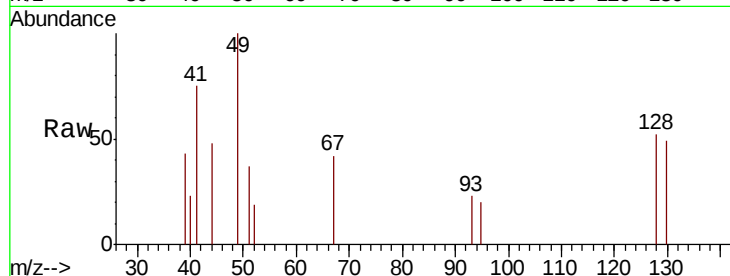




#39
Methacrylonitrile
Concen: 0.663 ug/l
RT: 4.57 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

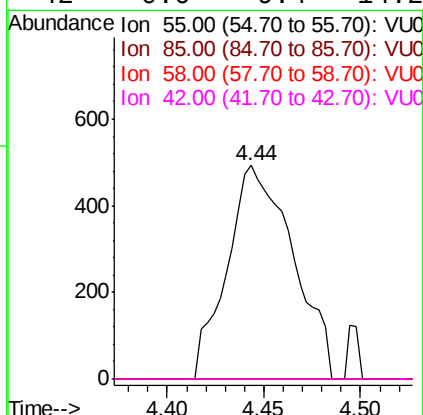
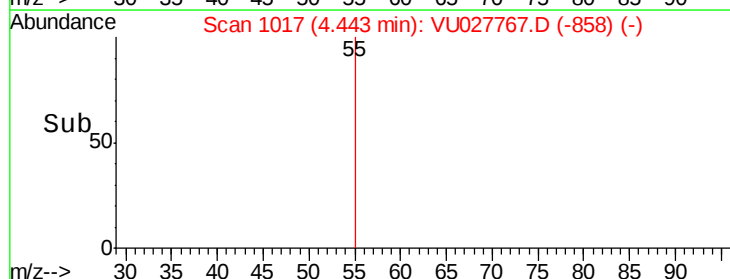
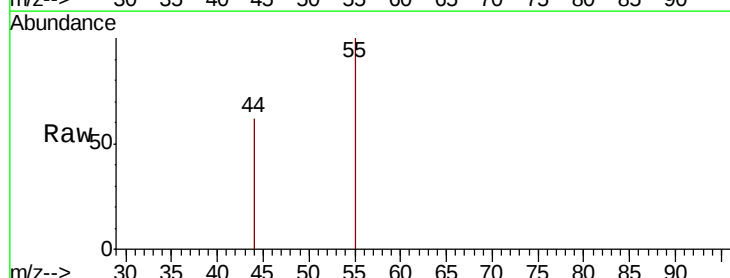
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

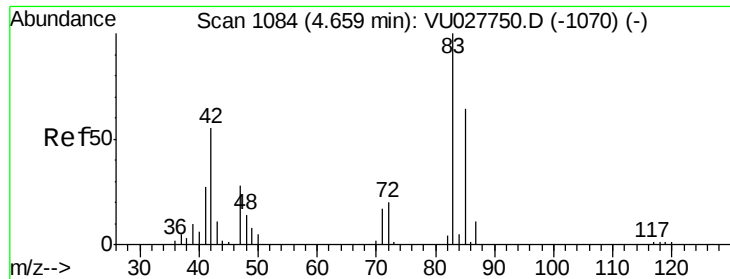
Tot Ion: 41 Resp: 1041
Ion Ratio Lower Upper
41 100
67 41.4 46.1 69.1#
39 44.9 43.6 65.4
52 8.5 21.4 32.2#



#40
Methyl acrylate
Concen: 0.569 ug/l
RT: 4.44 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Tgt Ion: 55 Resp: 1164
Ion Ratio Lower Upper
55 100
85 0.0 11.8 17.6#
58 0.0 7.0 10.4#
42 0.0 9.4 14.2#





#41

Tetrahydrofuran

Concen: 1.073 ug/l

RT: 4.67 min Scan# 1087

Delta R.T. 0.01 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

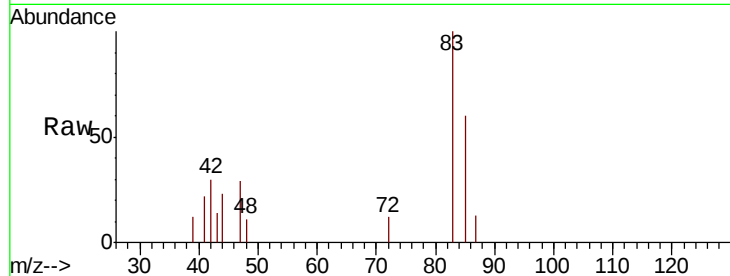
Tot Ion: 42 Resp: 931

Ion Ratio Lower Upper

42 100

72 25.3 30.6 45.8#

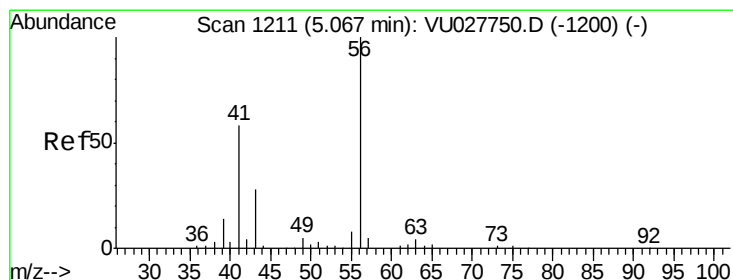
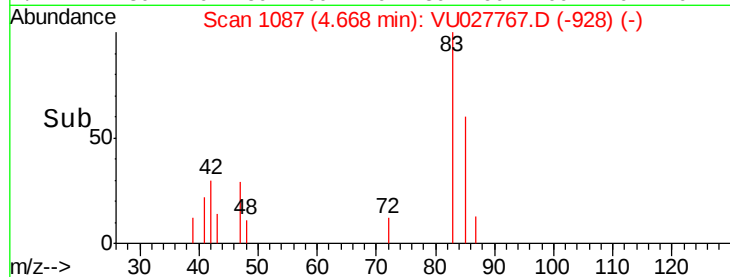
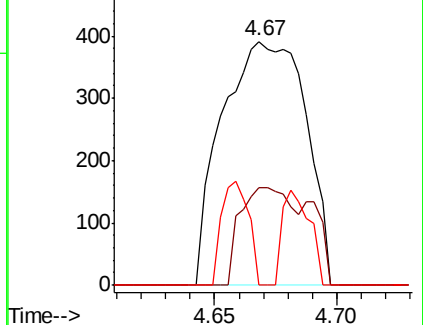
71 14.0 25.2 37.8#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 0.625 ug/l

RT: 5.07 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VU027767.D

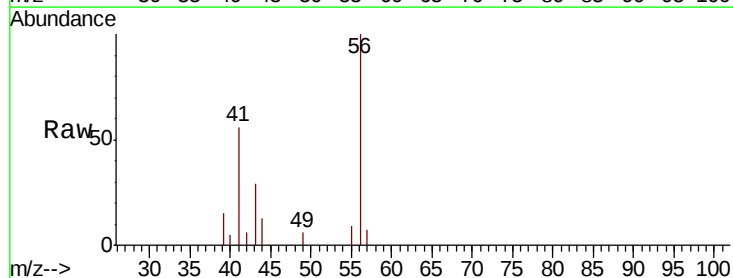
Acq: 23 Oct 2018 16:57

Tgt Ion: 56 Resp: 4730

Ion Ratio Lower Upper

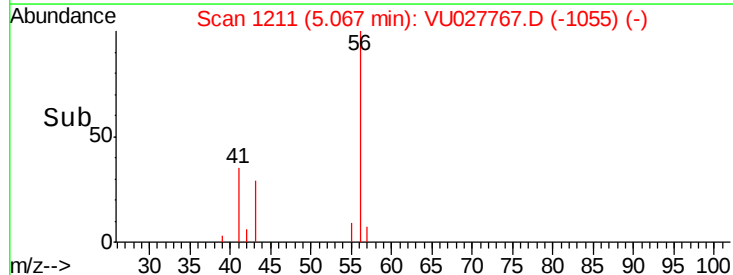
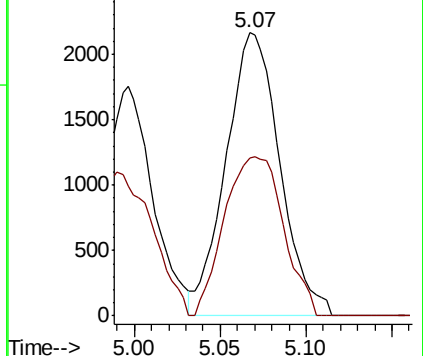
56 100

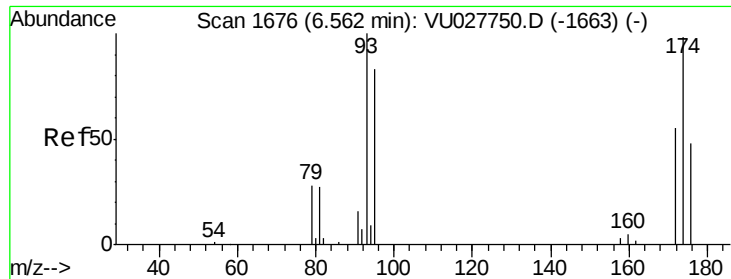
41 61.2 29.4 88.2



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 0.620 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

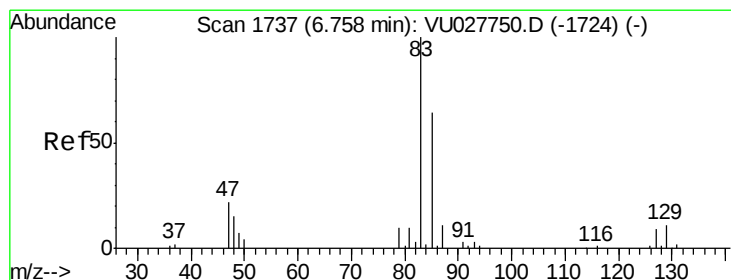
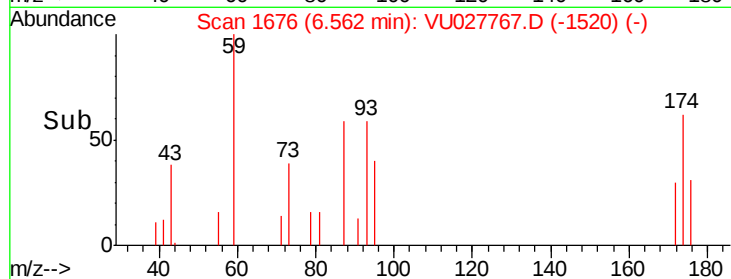
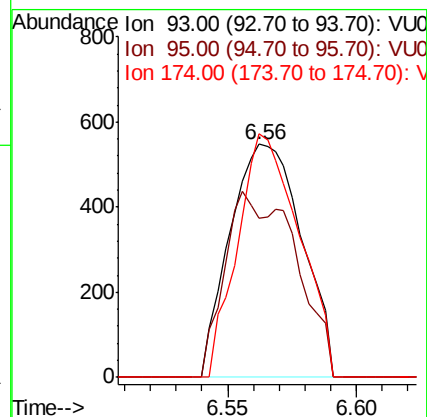
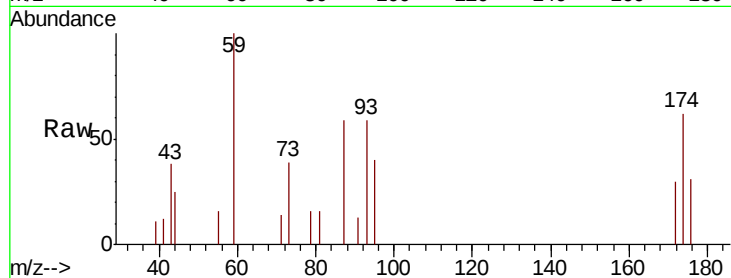
Tot Ion: 93 Resp: 1062

Ion Ratio Lower Upper

93 100

95 39.1 64.2 96.2#

174 89.6 76.7 115.1



#44

Bromodichloromethane

Concen: 0.648 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

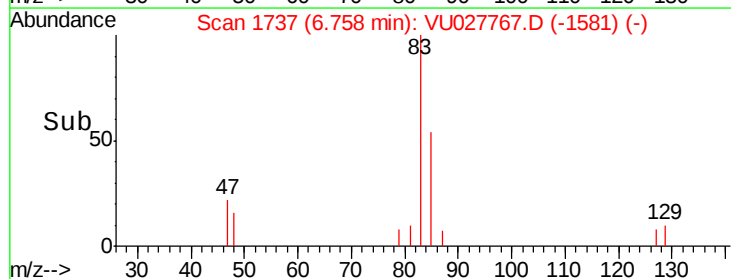
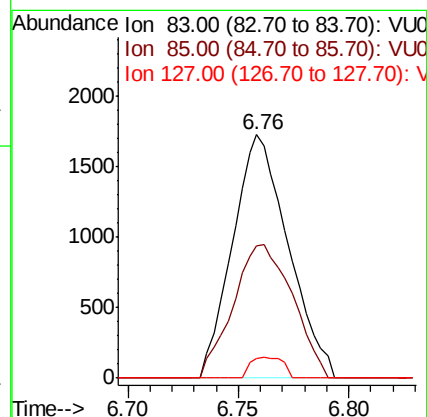
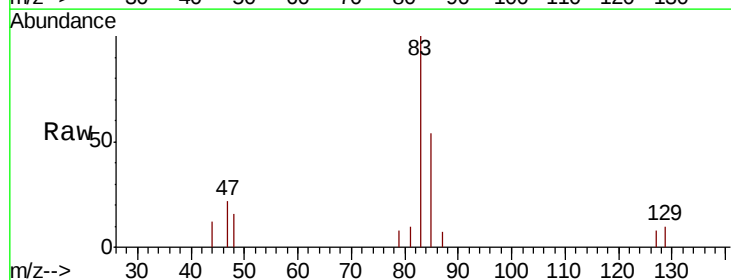
Tgt Ion: 83 Resp: 3015

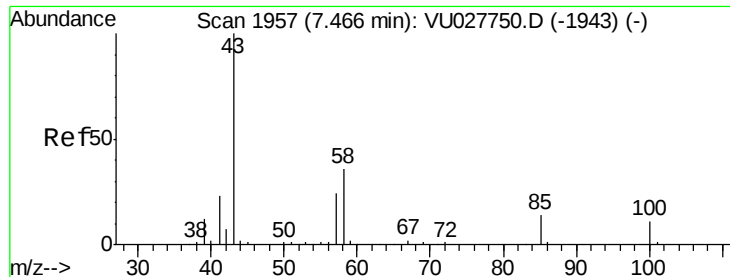
Ion Ratio Lower Upper

83 100

85 54.4 51.5 77.3

127 8.2 7.0 10.4

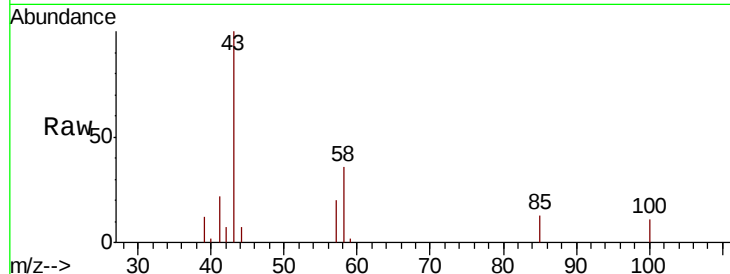




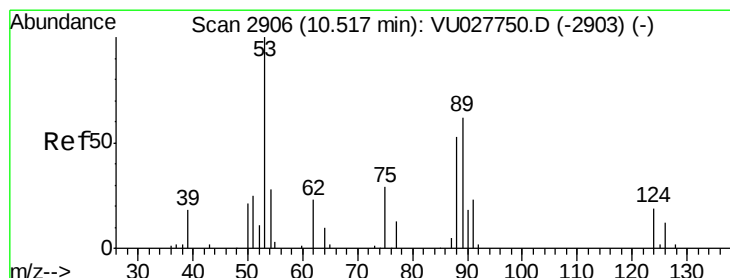
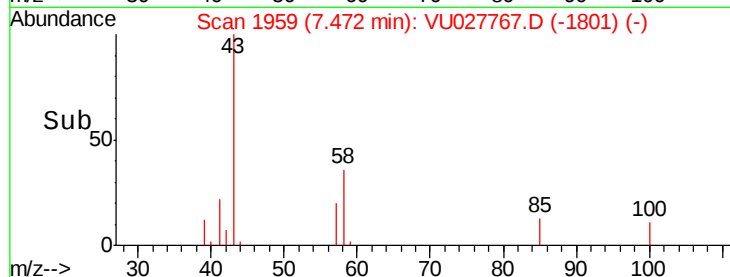
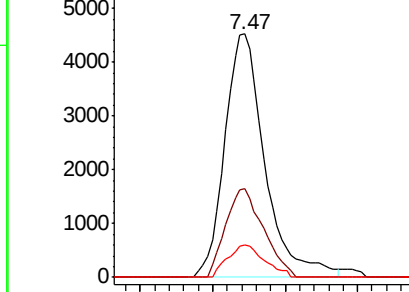
#45
4-Methyl-2-Pentanone
Concen: 3.127 ug/l
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tot Ion: 43 Resp: 8694
Ion Ratio Lower Upper
43 100
58 34.0 17.9 53.8
85 12.2 11.4 17.0

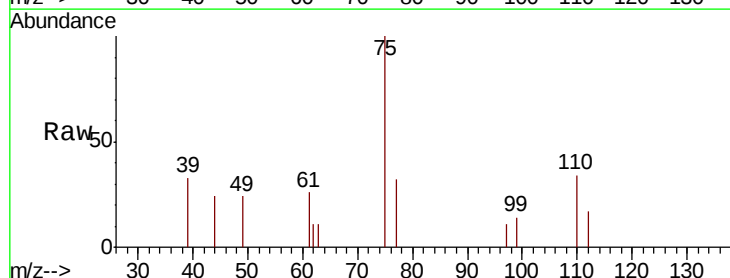


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

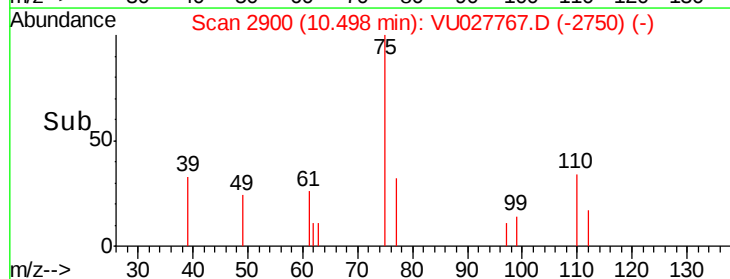
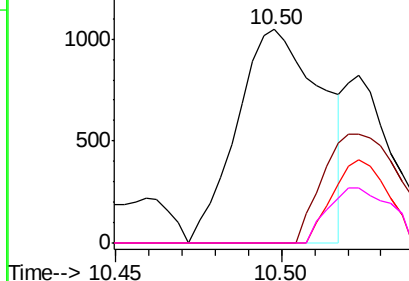


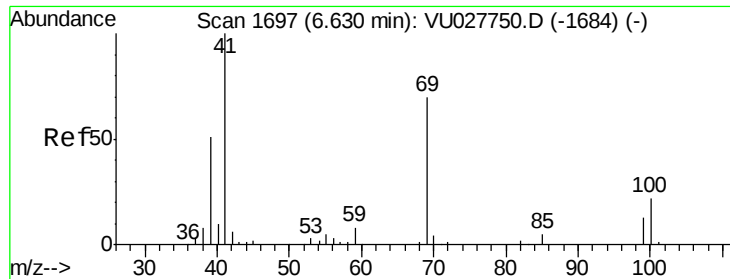
#46
t-1,4-Dichloro-2-butene
Concen: 1.866 ug/l
RT: 10.50 min Scan# 2900
Delta R.T. -0.02 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Tgt Ion: 75 Resp: 1870
Ion Ratio Lower Upper
75 100
53 47.3 68.2 102.4#
89 24.7 41.8 62.6#
88 18.6 33.8 50.8#



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

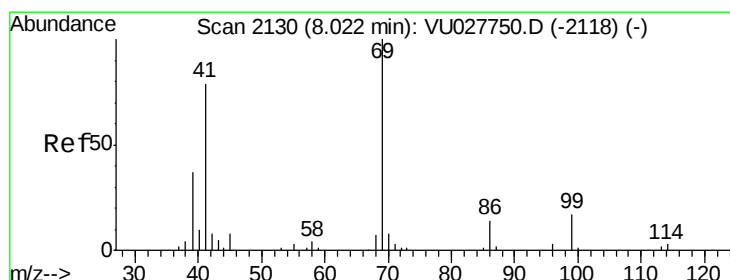
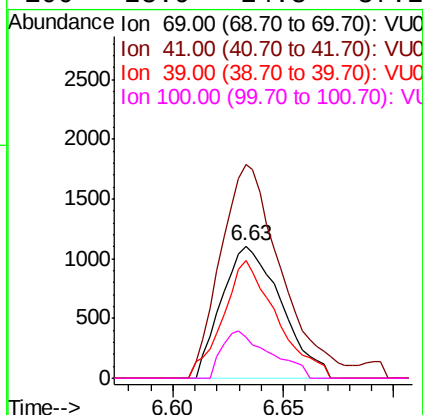
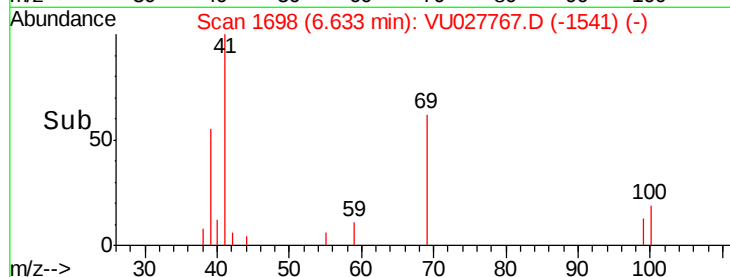
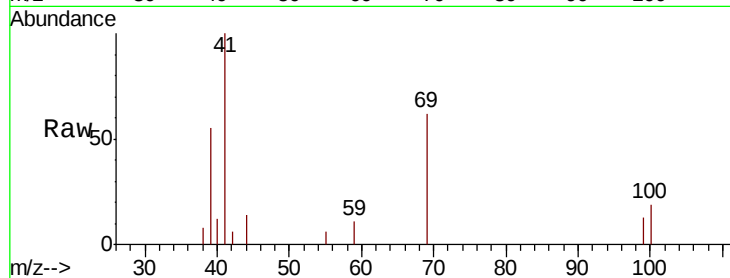




#47
Methyl methacrylate
Concen: 1.142 ug/l
RT: 6.63 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

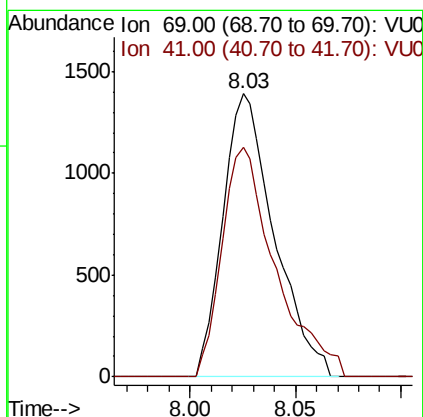
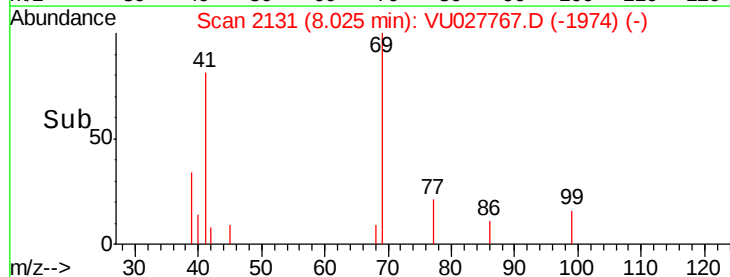
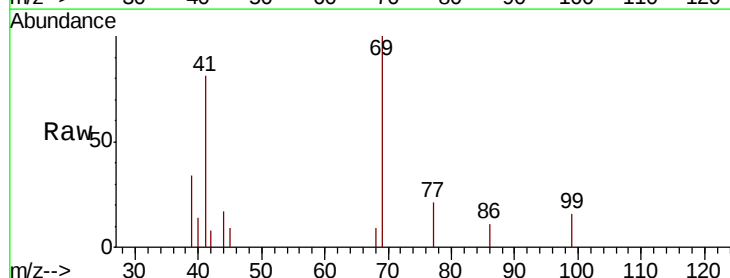
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

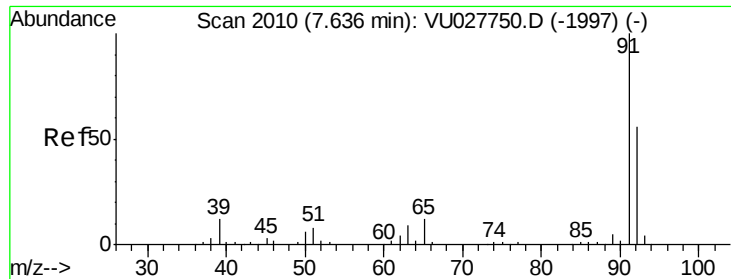
Tot Ion: 69 Resp: 2063
Ion Ratio Lower Upper
69 100
41 165.1 0.0 281.2
39 80.2 58.6 88.0
100 28.9 24.8 37.2



#48
Ethyl methacrylate
Concen: 0.626 ug/l
RT: 8.03 min Scan# 2131
Delta R.T. 0.00 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Tgt Ion: 69 Resp: 2349
Ion Ratio Lower Upper
69 100
41 84.4 39.1 117.2





#49

Toluene

Concen: 0.618 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

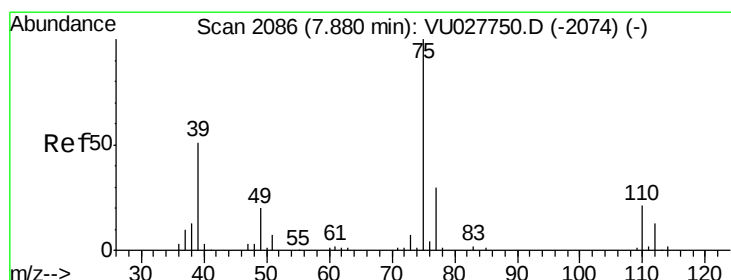
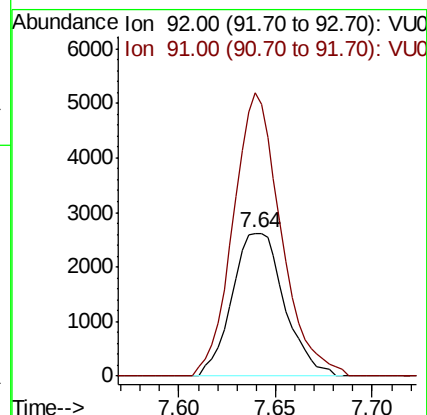
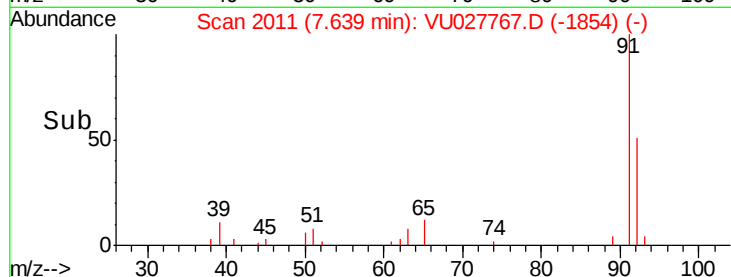
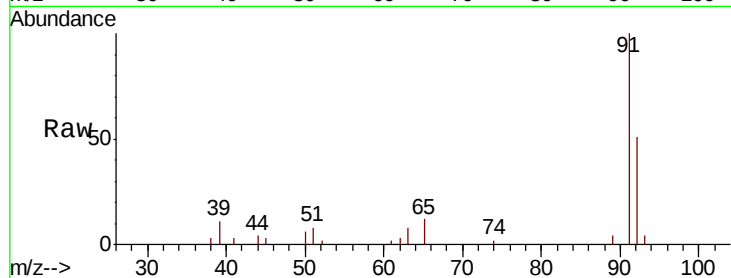
LOQ-WATER-02-QT4-2018

Tot Ion: 92 Resp: 4918

Ion Ratio Lower Upper

92 100

91 181.1 141.8 212.8



#50

t-1,3-Dichloropropene

Concen: 0.604 ug/l

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU027767.D

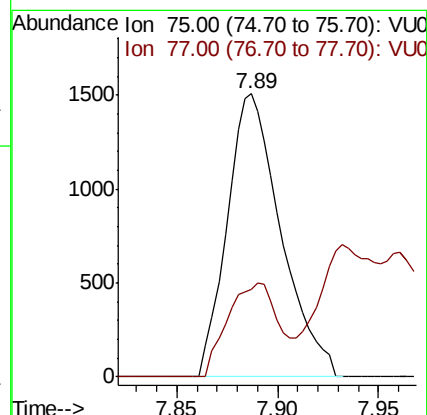
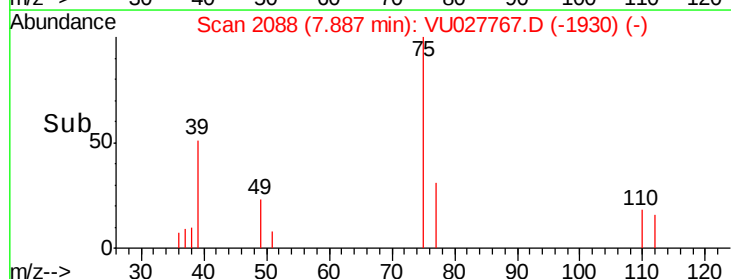
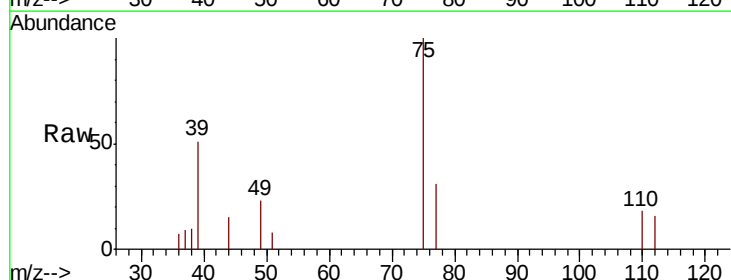
Acq: 23 Oct 2018 16:57

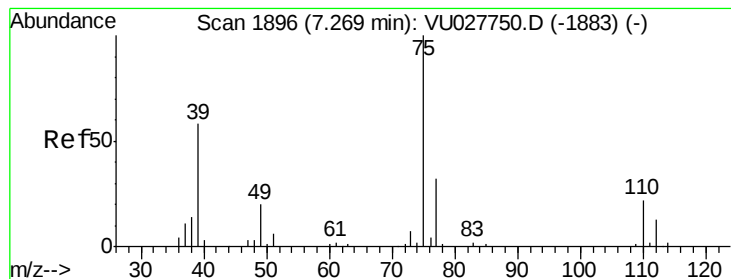
Tgt Ion: 75 Resp: 2798

Ion Ratio Lower Upper

75 100

77 30.8 24.1 36.1



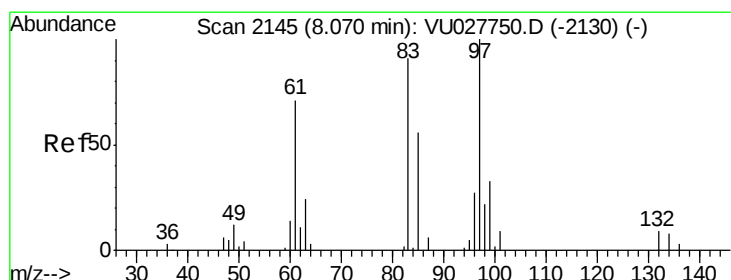
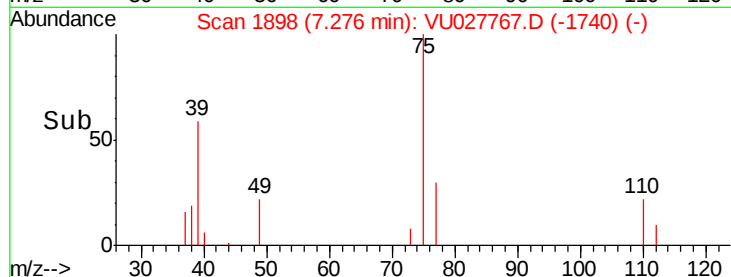
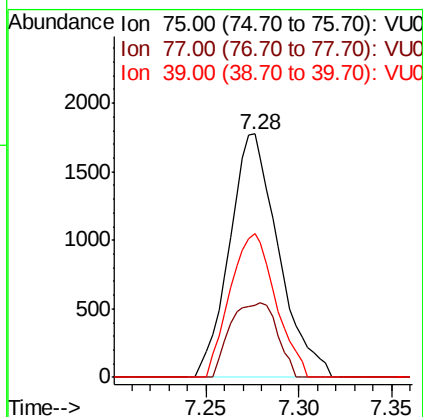
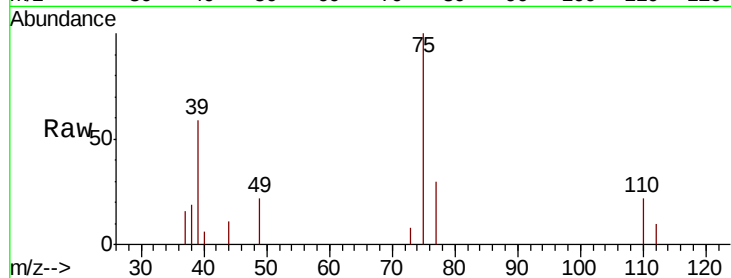


#51

cis-1,3-Dichloropropene
 Concen: 0.597 ug/l
 RT: 7.28 min Scan# 1898
 Delta R.T. 0.01 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

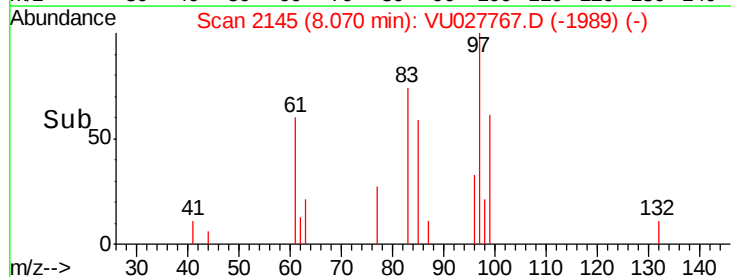
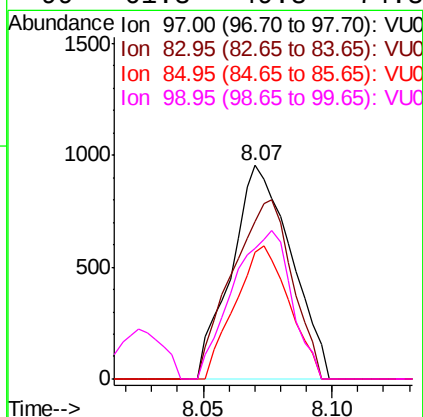
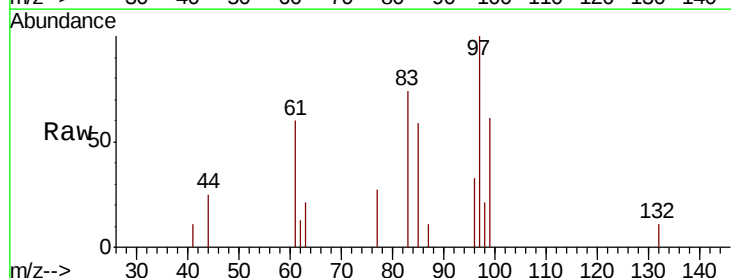
Tot Ion: 75 Resp: 3261
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.3 37.9
 39 59.1 46.4 69.6

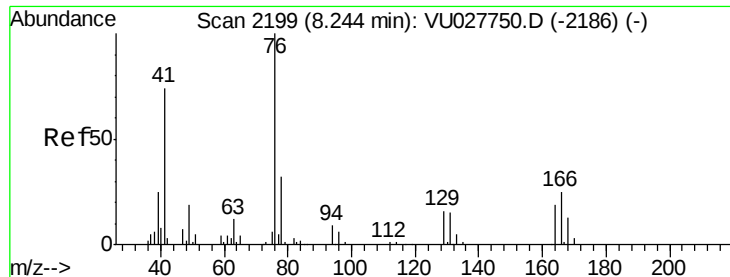


#52

1,1,2-Trichloroethane
 Concen: 0.665 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Tgt Ion: 97 Resp: 1539
 Ion Ratio Lower Upper
 97 100
 83 73.8 73.0 109.6
 85 59.1 46.5 69.7
 99 61.3 49.8 74.8

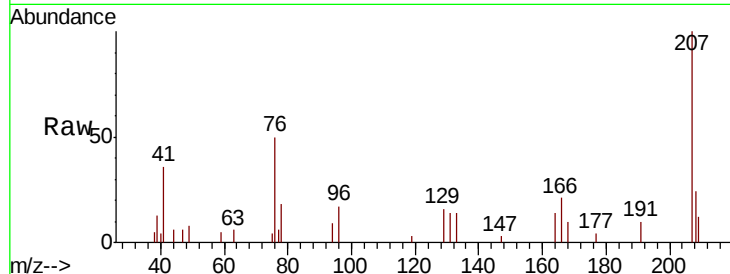




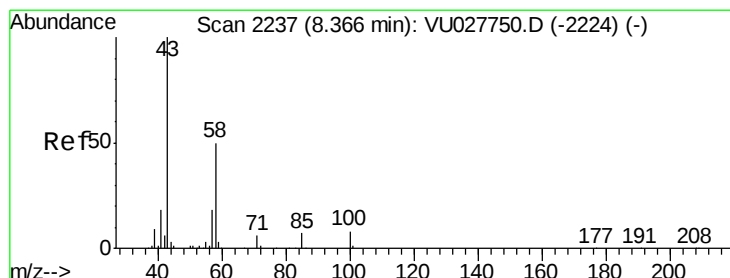
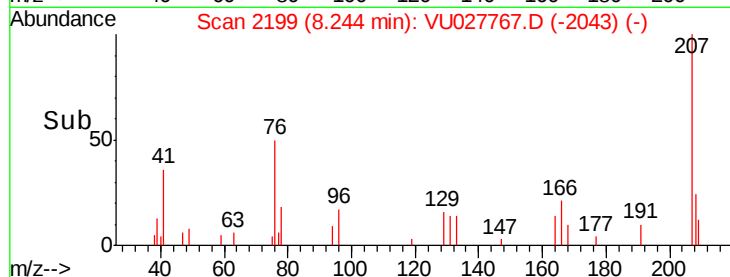
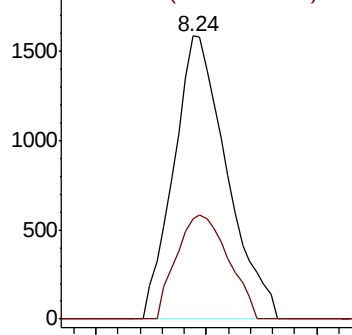
#53
 1,3-Dichloropropane
 Concen: 0.595 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tot Ion: 76 Resp: 2645
 Ion Ratio Lower Upper
 76 100
 78 35.9 25.4 38.0

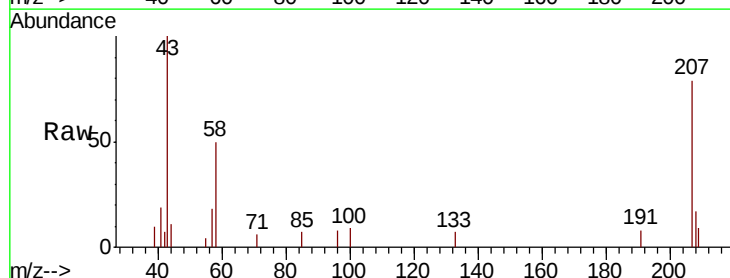


Abundance Ion 76.00 (75.70 to 76.70): VU0
 Ion 78.00 (77.70 to 78.70): VU0

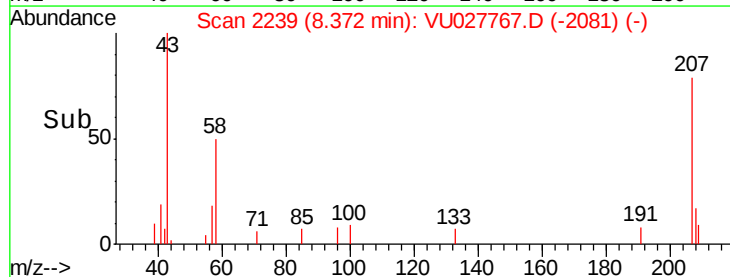
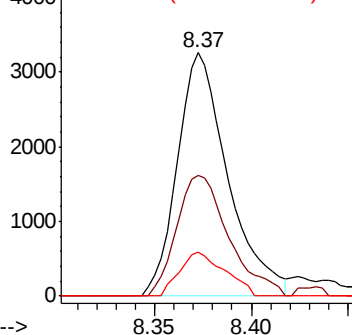


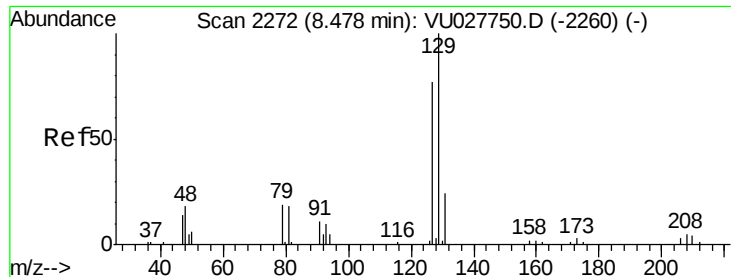
#54
 2-Hexanone
 Concen: 2.985 ug/l
 RT: 8.37 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Tgt Ion: 43 Resp: 5914
 Ion Ratio Lower Upper
 43 100
 58 51.1 30.0 70.0
 57 16.1 0.0 37.7



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





#55

Dibromochloromethane

Concen: 0.596 ug/l

RT: 8.48 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

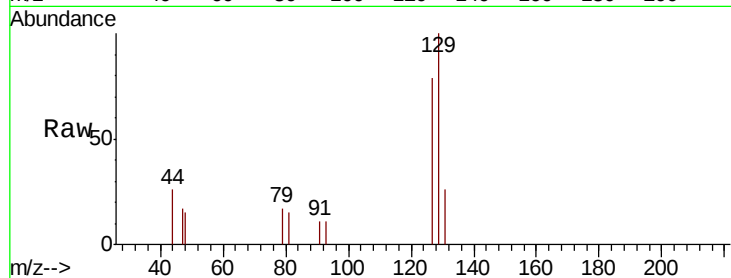
LOQ-WATER-02-QT4-2018

Tot Ion:129 Resp: 1734

Ion Ratio Lower Upper

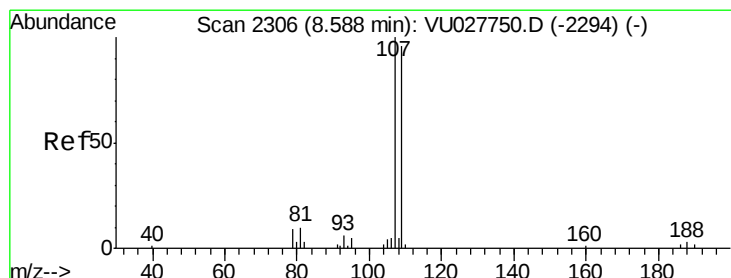
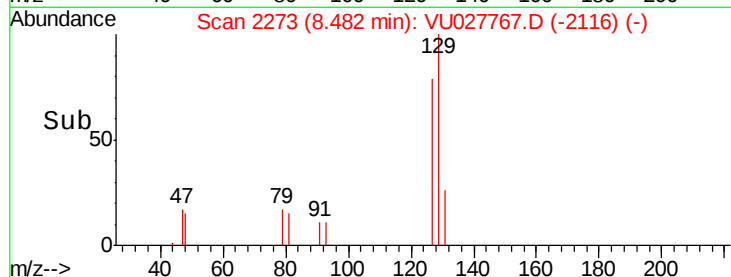
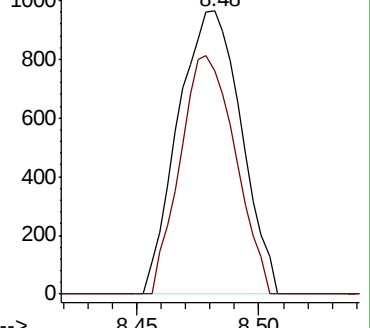
129 100

127 73.6 61.9 92.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.568 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027767.D

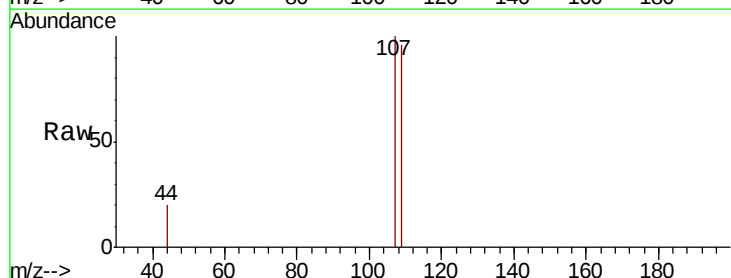
Acq: 23 Oct 2018 16:57

Tgt Ion:107 Resp: 1291

Ion Ratio Lower Upper

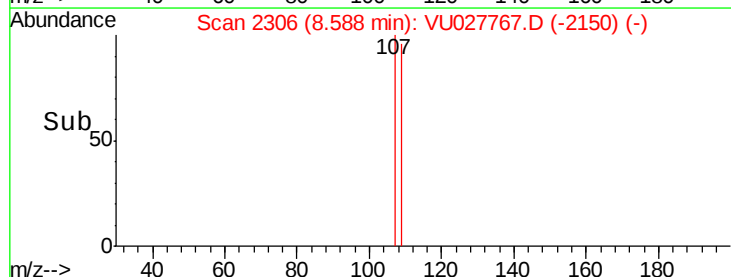
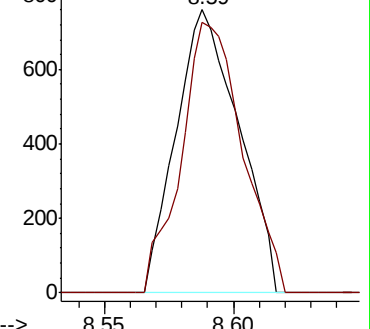
107 100

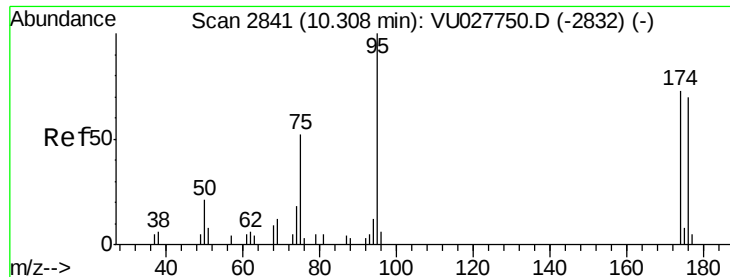
109 93.5 0.0 188.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.568 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

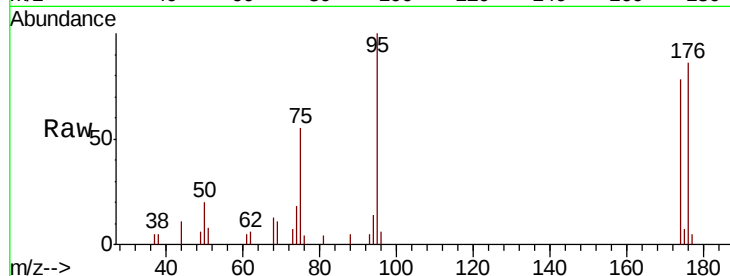
Tot Ion: 95 Resp: 4398

Ion Ratio Lower Upper

95 100

174 74.8 64.5 96.7

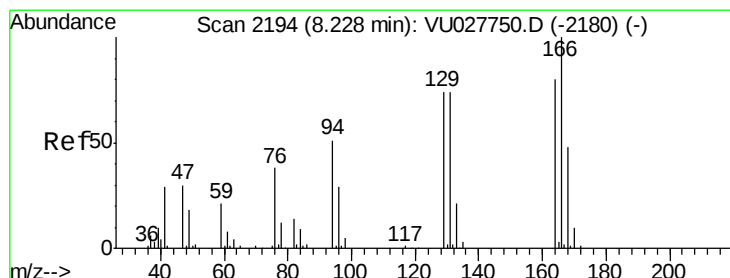
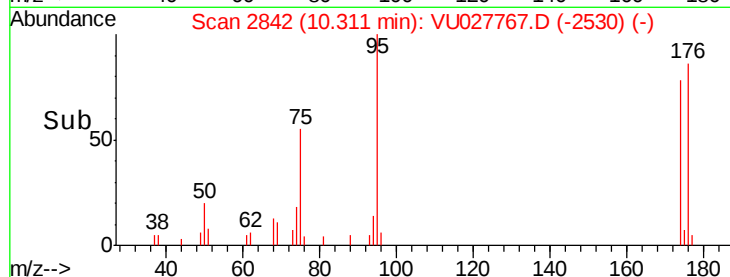
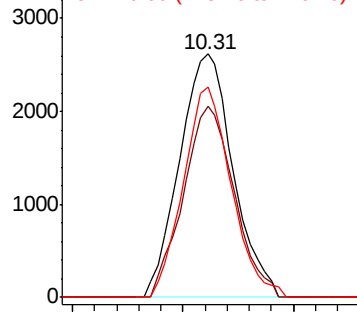
176 77.5 58.3 87.5



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#58

Tetrachloroethene

Concen: 0.655 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Tgt Ion: 164 Resp: 2043

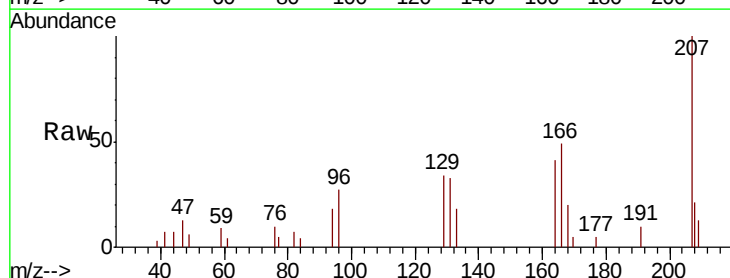
Ion Ratio Lower Upper

164 100

166 118.7 100.2 150.4

129 82.0 73.7 110.5

131 80.5 73.8 110.6

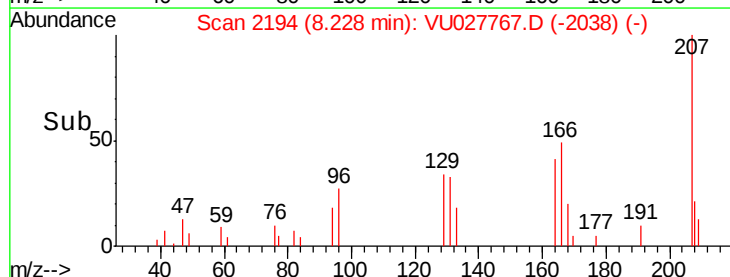
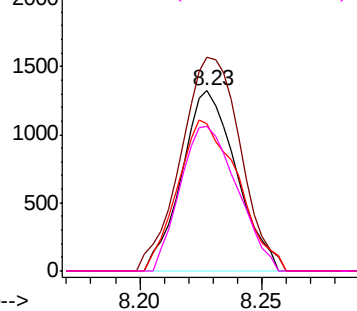


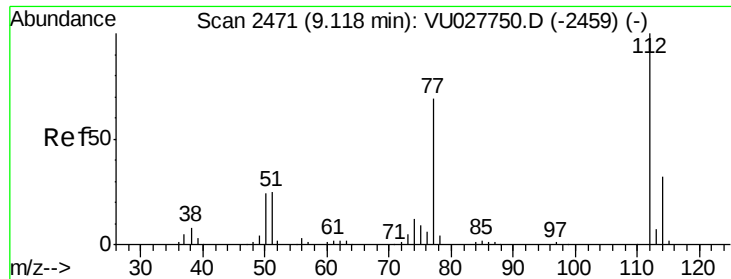
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#59

Chlorobenzene

Concen: 0.606 ug/l

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

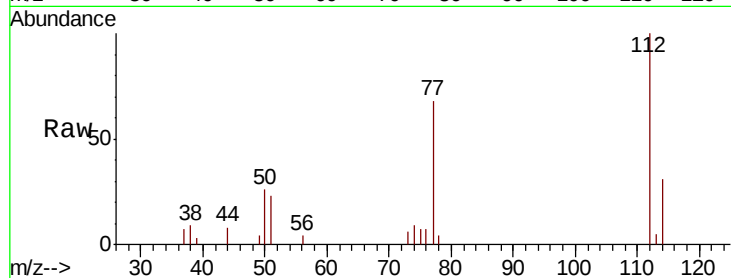
LOQ-WATER-02-QT4-2018

Tot Ion:112 Resp: 5166

Ion Ratio Lower Upper

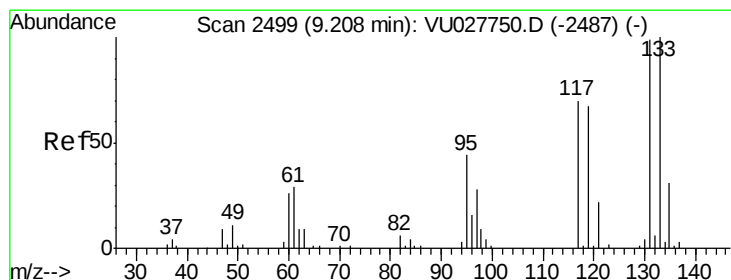
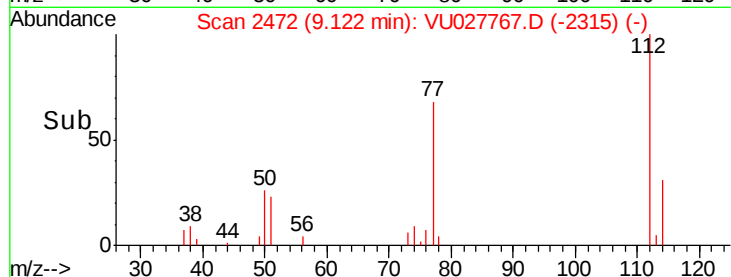
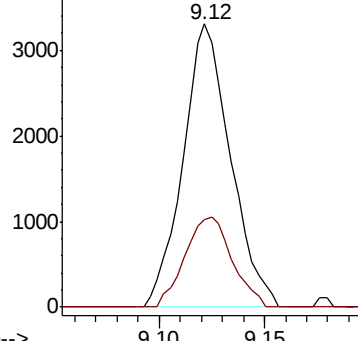
112 100

114 31.0 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 0.599 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

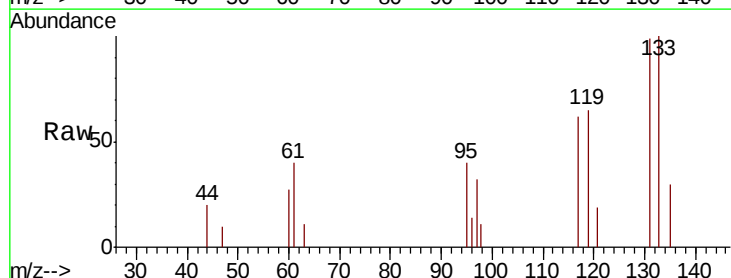
Tgt Ion:131 Resp: 1858

Ion Ratio Lower Upper

131 100

133 102.3 77.5 116.3

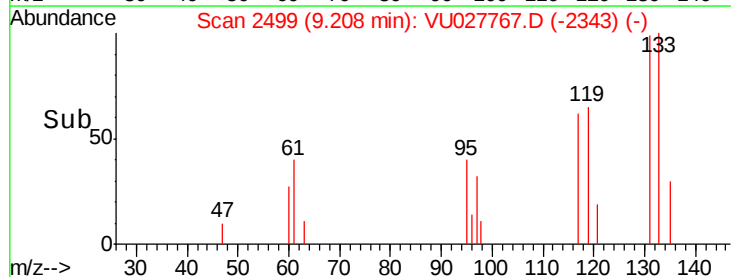
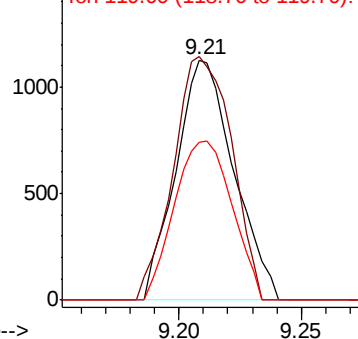
119 66.0 52.0 78.0

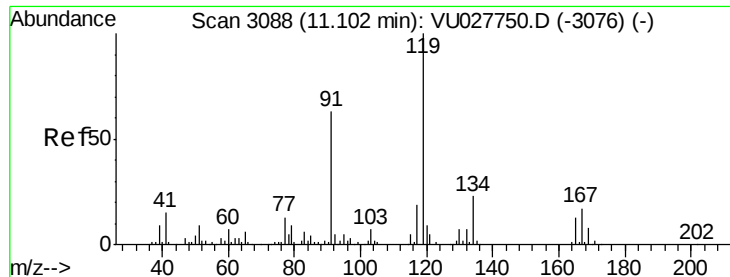


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 0.515 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

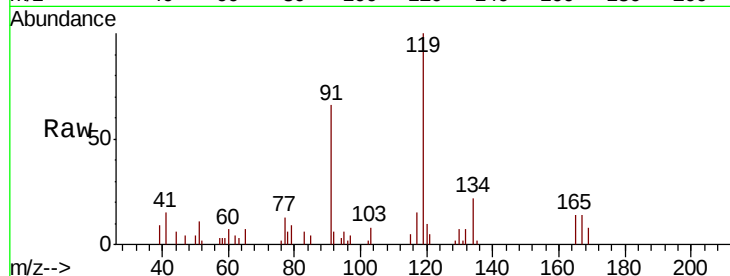
LOQ-WATER-02-QT4-2018

Tot Ion:117 Resp: 1191

Ion Ratio Lower Upper

117 100

167 93.2 70.1 105.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V

11.10

800

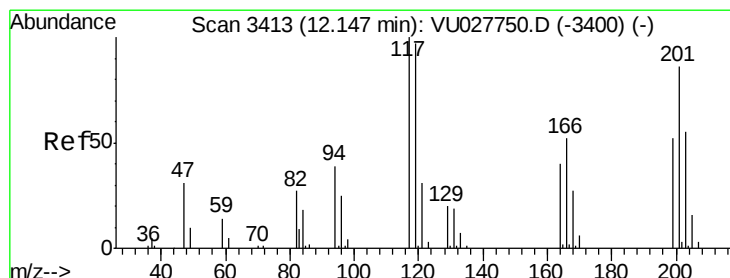
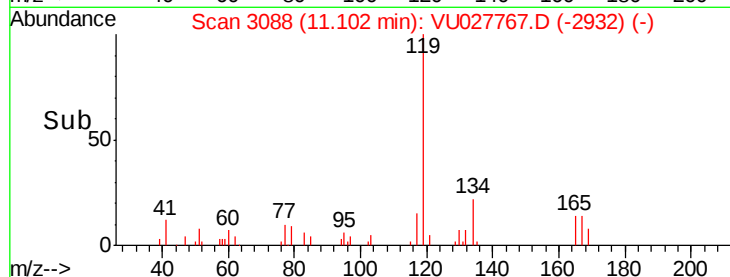
600

400

200

0

Time-->



#62

Hexachloroethane

Concen: 0.565 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU027767.D

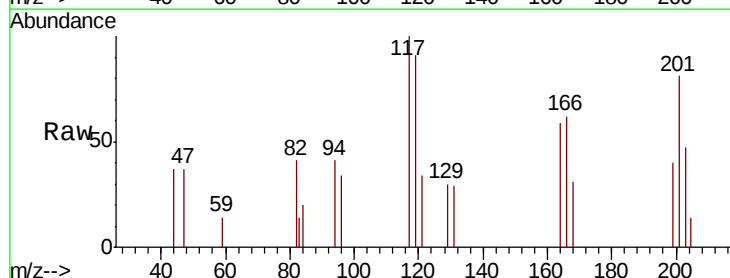
Acq: 23 Oct 2018 16:57

Tgt Ion:117 Resp: 1435

Ion Ratio Lower Upper

117 100

201 81.1 66.0 99.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

12.15

1000

800

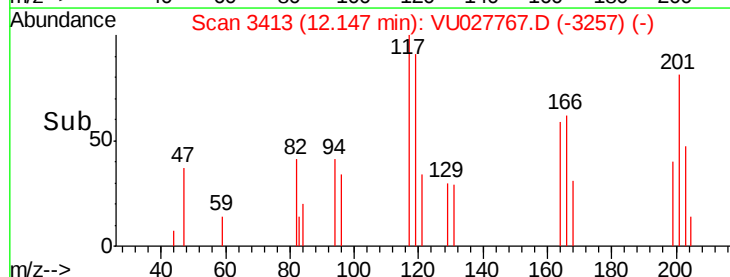
600

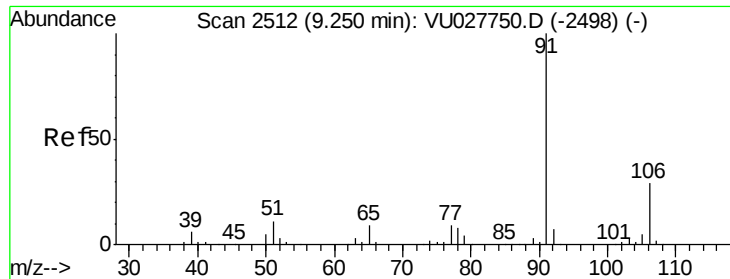
400

200

0

Time-->





#63

Ethyl Benzene

Concen: 0.645 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

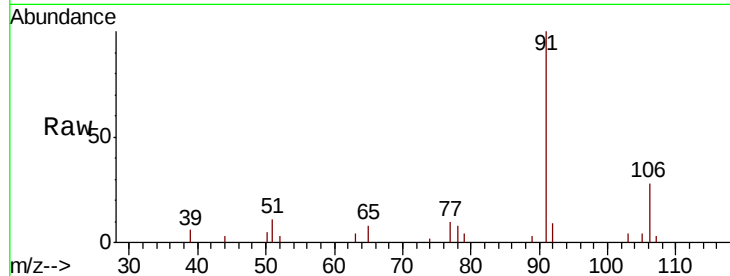
LOQ-WATER-02-QT4-2018

Tot Ion: 91 Resp: 10423

Ion Ratio Lower Upper

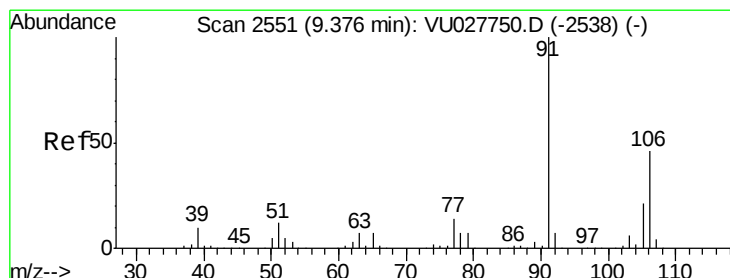
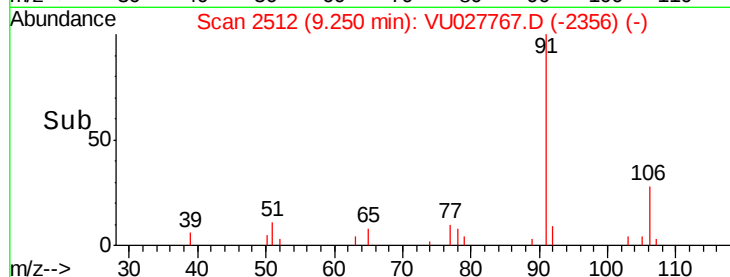
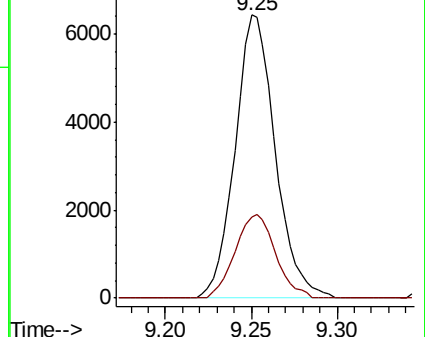
91 100

106 28.5 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU027750.D (-2498) (-)

Ion 106.00 (105.70 to 106.70): VU027750.D (-2498) (-)



#64

m/p-Xylenes

Concen: 1.280 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027767.D

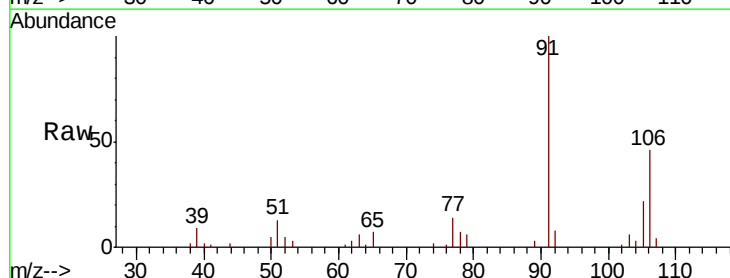
Acq: 23 Oct 2018 16:57

Tgt Ion: 106 Resp: 7377

Ion Ratio Lower Upper

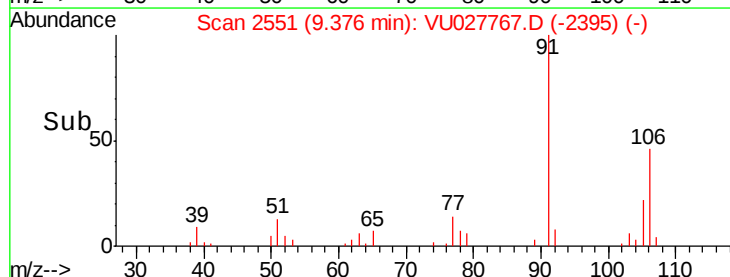
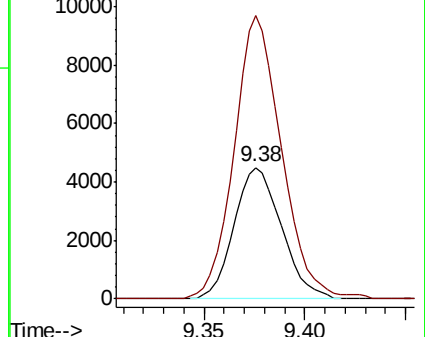
106 100

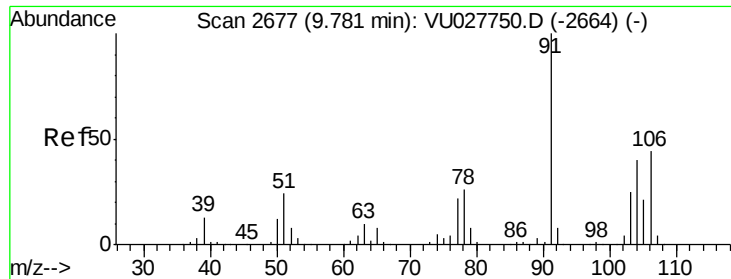
91 216.2 173.3 259.9



Abundance Ion 106.00 (105.70 to 106.70): VU027750.D (-2538) (-)

Ion 91.00 (90.70 to 91.70): VU027750.D (-2538) (-)

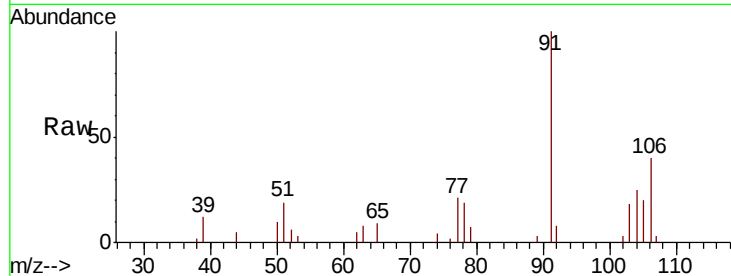




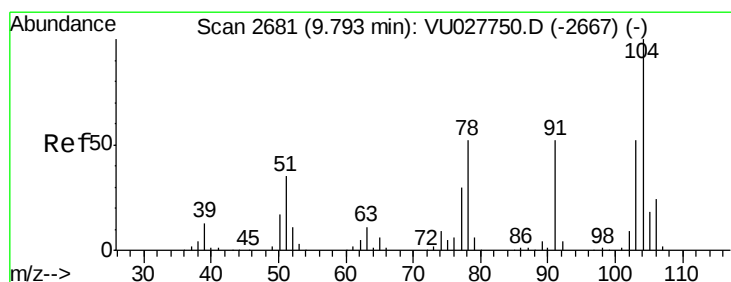
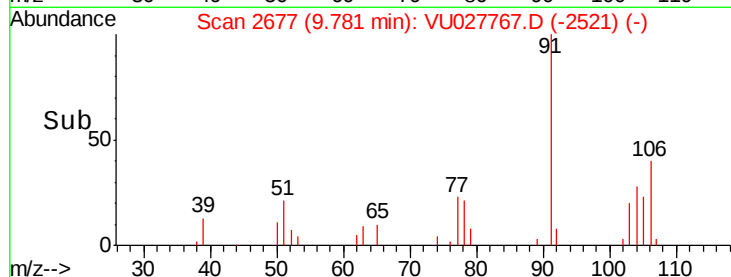
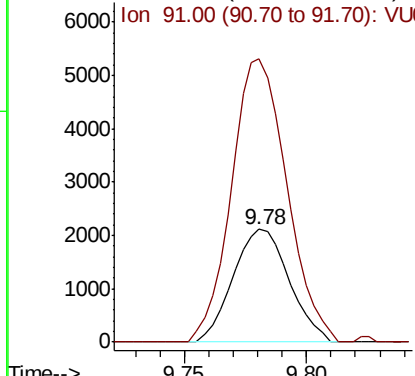
#65
o-Xylene
Concen: 0.590 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tot Ion:106 Resp: 3373
Ion Ratio Lower Upper
106 100
91 248.0 113.4 340.2

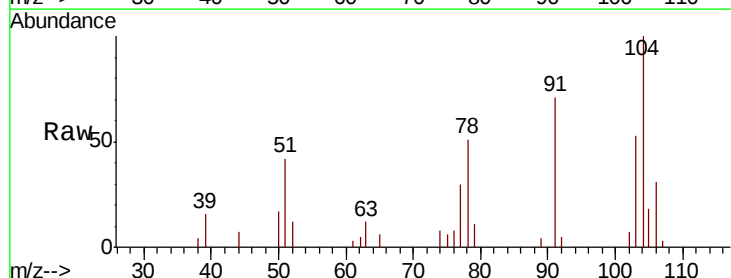


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

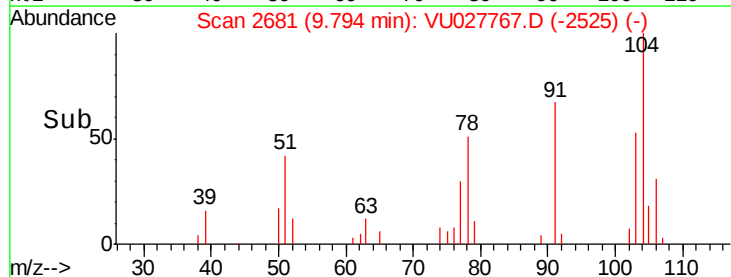
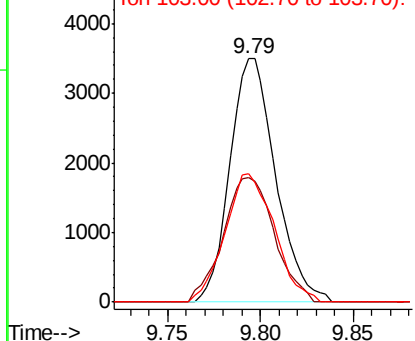


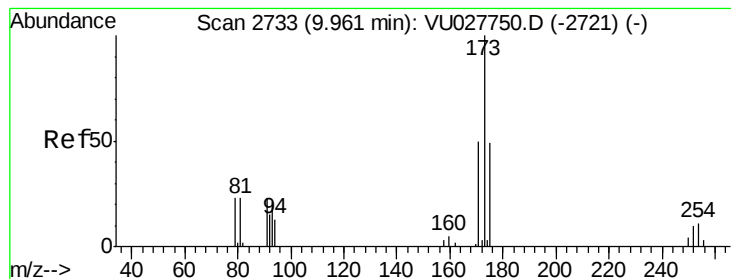
#66
Styrene
Concen: 0.636 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Tgt Ion:104 Resp: 6002
Ion Ratio Lower Upper
104 100
78 57.1 45.2 67.8
103 56.7 44.8 67.2



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: 0.491 ug/l

RT: 9.96 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

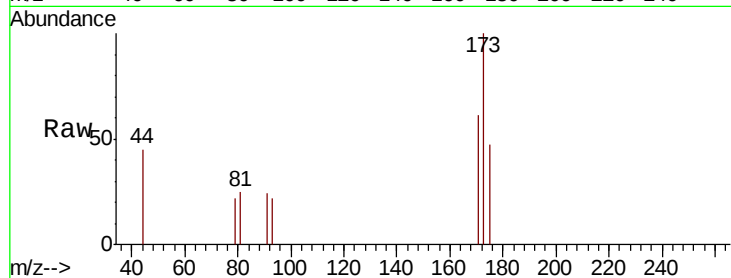
Tot Ion:173 Resp: 827

Ion Ratio Lower Upper

173 100

175 38.7 39.6 59.4#

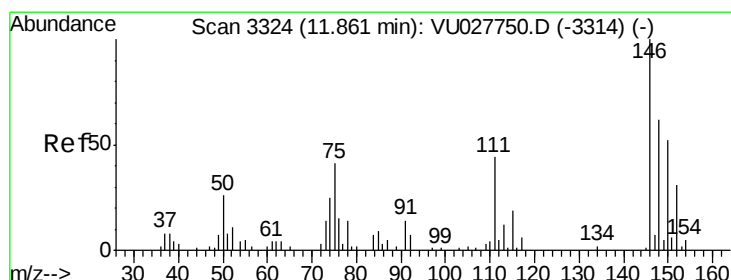
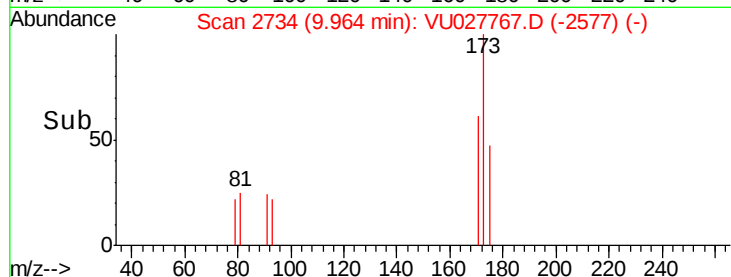
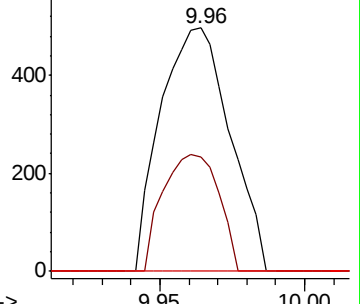
254 0.0 7.8 11.6#



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: 0.491 ug/l

RT: 11.86 min Scan# 3324

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

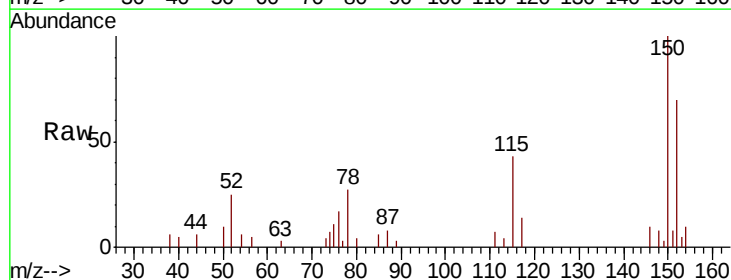
Tgt Ion:152 Resp: 4215

Ion Ratio Lower Upper

152 100

115 68.8 0.0 130.2

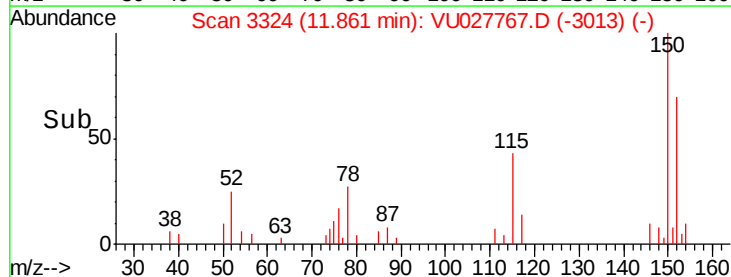
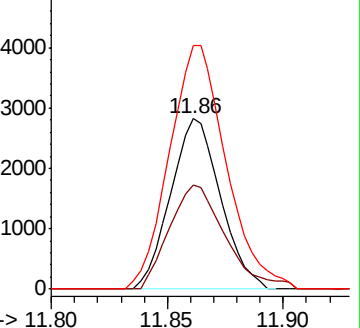
150 162.7 0.0 650.6

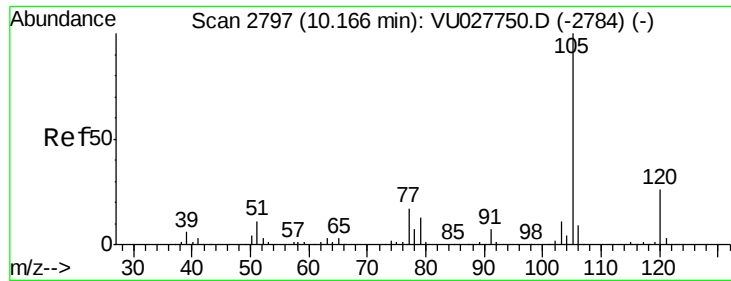


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.624 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

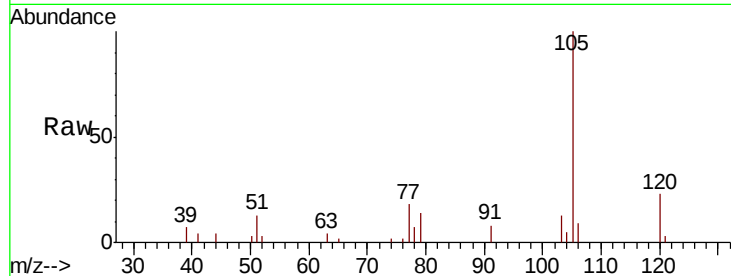
LOQ-WATER-02-QT4-2018

Tot Ion:105 Resp: 9767

Ion Ratio Lower Upper

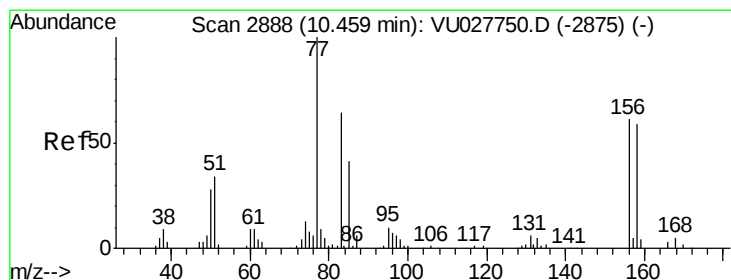
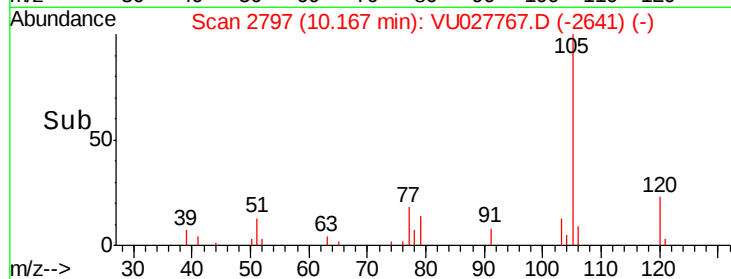
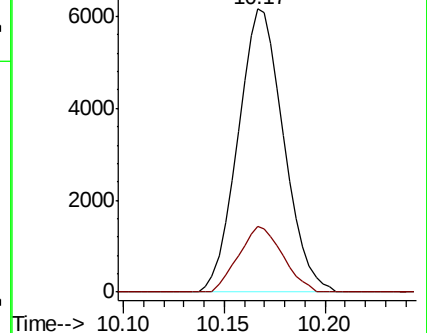
105 100

120 22.3 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 0.534 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

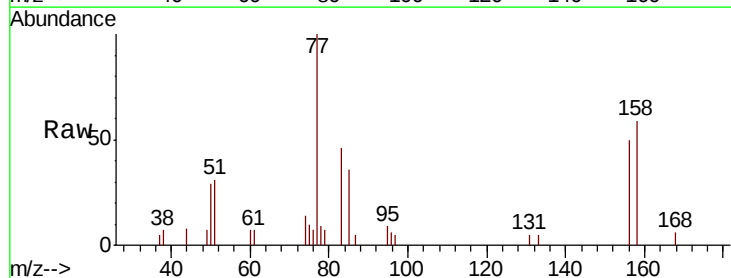
Tgt Ion: 83 Resp: 1641

Ion Ratio Lower Upper

83 100

131 4.0 7.7 11.5#

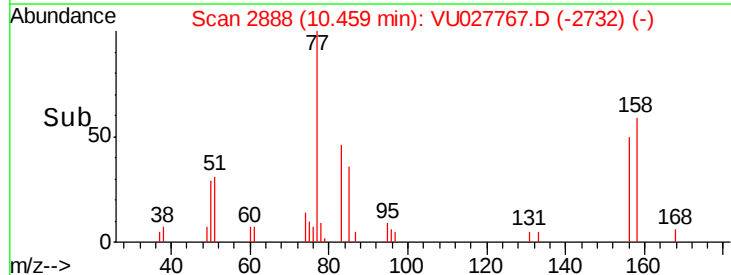
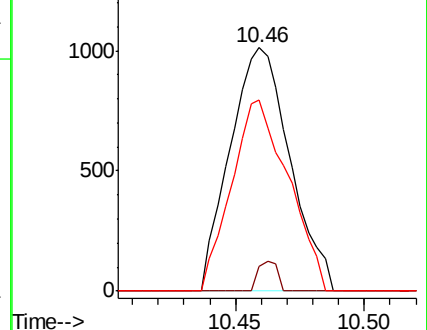
85 74.4 51.2 76.8

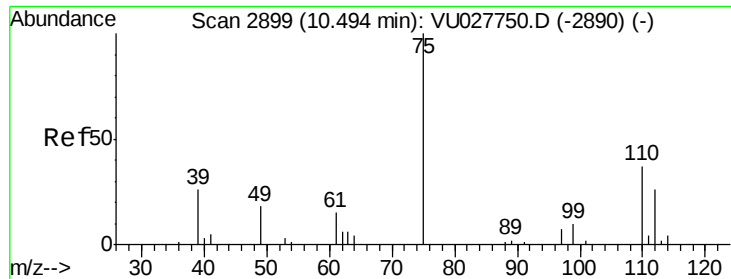


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

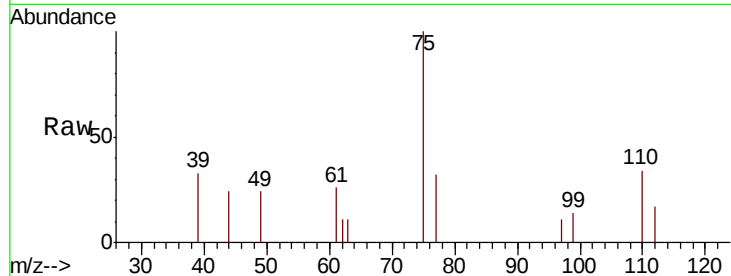




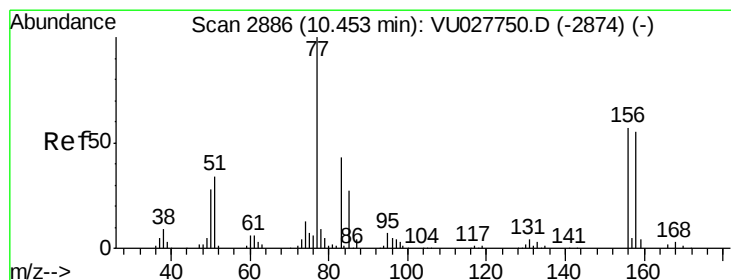
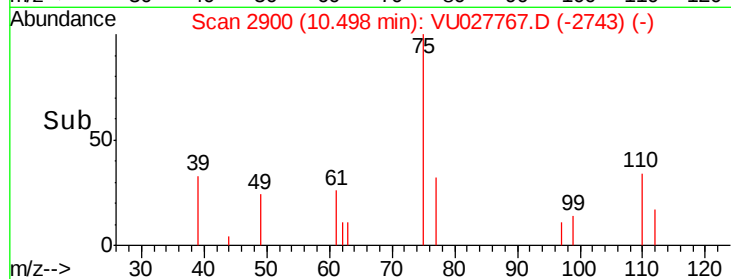
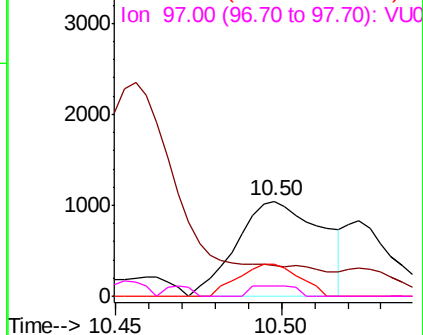
#71
 1,2,3-Trichloropropane
 Concen: 0.783 ug/l
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tot Ion:	75	Resp:	1870
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	24.3	0.0	68.2
97	5.8	0.0	35.2

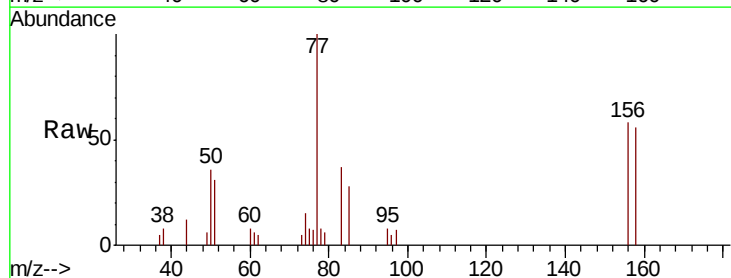


Abundance Ion 75.00 (74.70 to 75.70): VU027750.D (-2890) (-)
 Ion 77.00 (76.70 to 77.70): VU027750.D (-2890) (-)
 Ion 110.00 (109.70 to 110.70): VU027750.D (-2890) (-)
 Ion 97.00 (96.70 to 97.70): VU027750.D (-2890) (-)

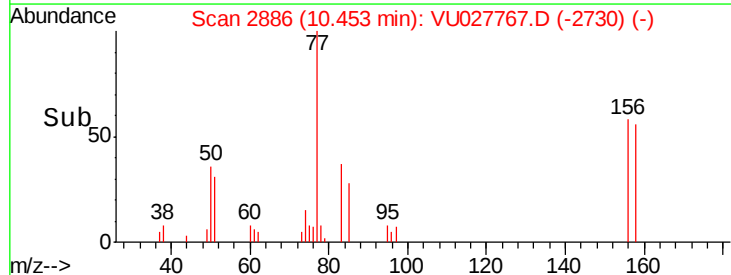
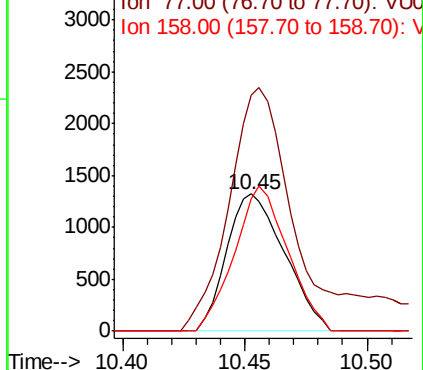


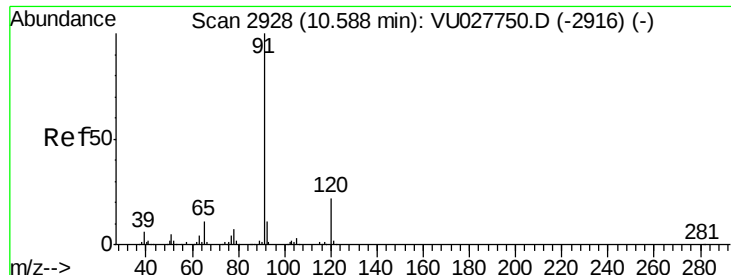
#72
 Bromobenzene
 Concen: 0.625 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU027767.D
 Acq: 23 Oct 2018 16:57

Tgt Ion:	156	Resp:	2178
Ion	Ratio	Lower	Upper
156	100		
77	210.9	0.0	349.4
158	97.3	0.0	191.4



Abundance Ion 156.00 (155.70 to 156.70): VU027750.D (-2874) (-)
 Ion 77.00 (76.70 to 77.70): VU027750.D (-2874) (-)
 Ion 158.00 (157.70 to 158.70): VU027750.D (-2874) (-)

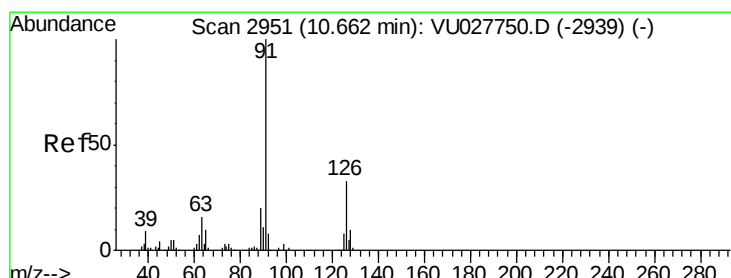
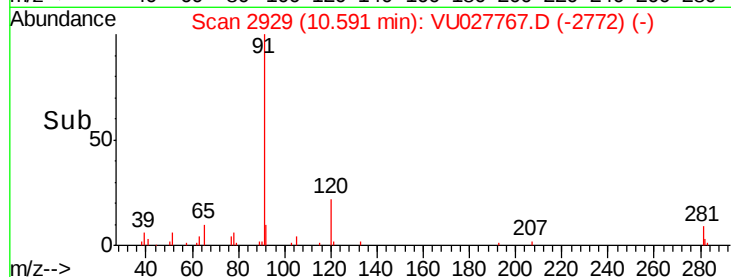
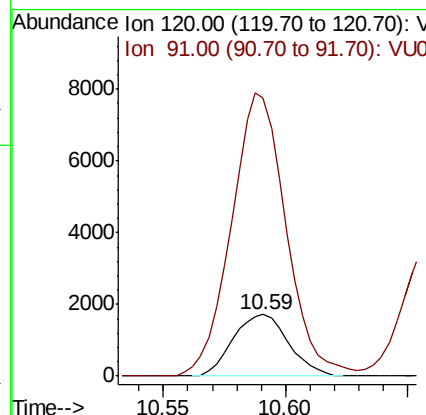
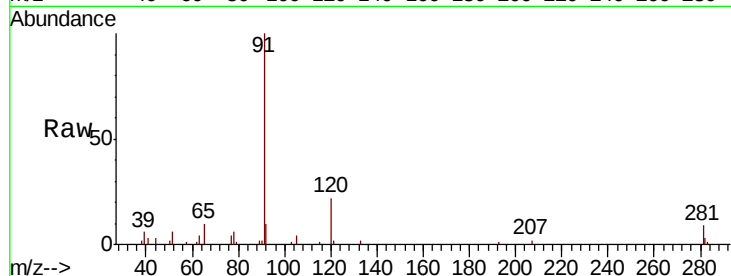




#73
n-propylbenzene
Concen: 0.673 ug/l
RT: 10.59 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

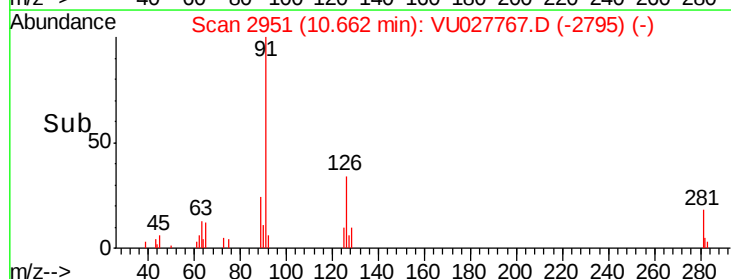
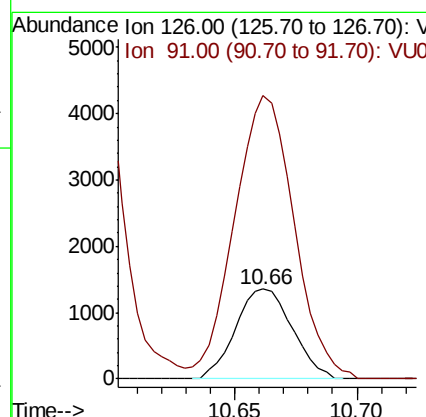
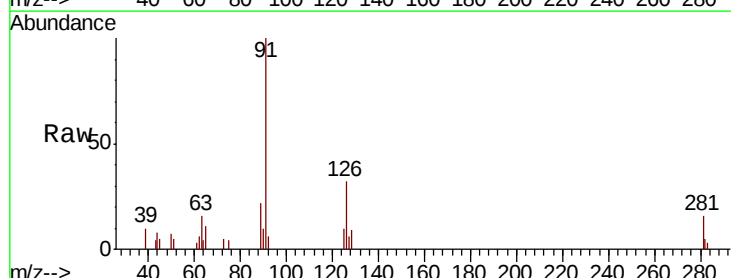
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

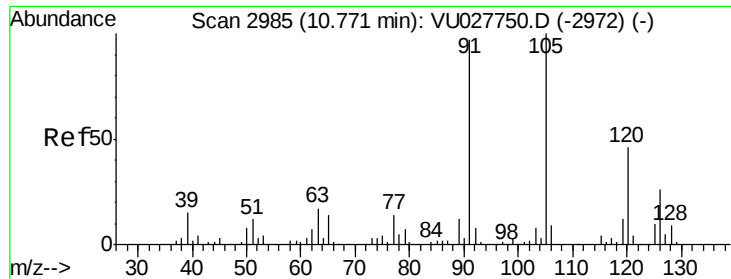
Tot Ion:120 Resp: 2715
Ion Ratio Lower Upper
120 100
91 453.0 369.0 553.6



#74
2-Chlorotoluene
Concen: 0.633 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. 0.00 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Tgt Ion:126 Resp: 2187
Ion Ratio Lower Upper
126 100
91 332.1 0.0 628.8





#75

1,3,5-Trimethylbenzene

Concen: 0.631 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

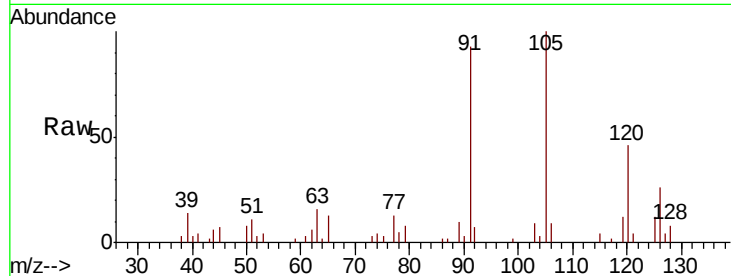
LOQ-WATER-02-QT4-2018

Tot Ion:105 Resp: 8236

Ion Ratio Lower Upper

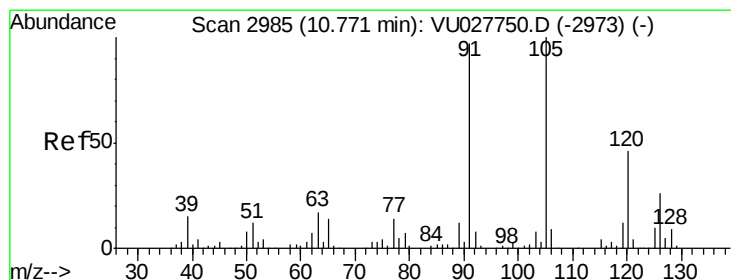
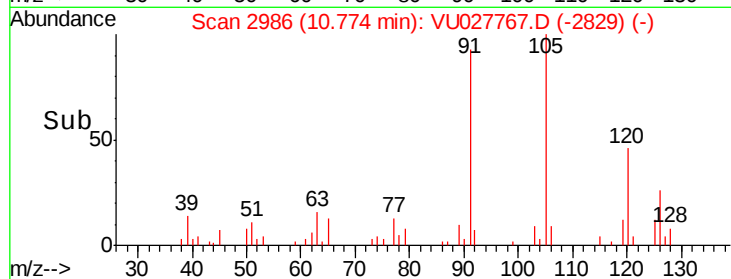
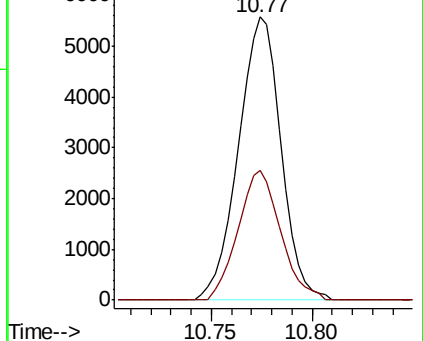
105 100

120 45.7 37.2 55.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.616 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027767.D

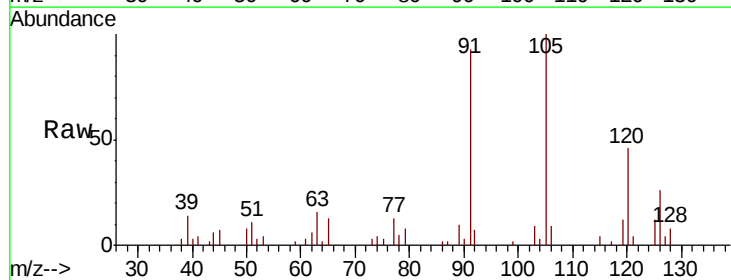
Acq: 23 Oct 2018 16:57

Tgt Ion:126 Resp: 2157

Ion Ratio Lower Upper

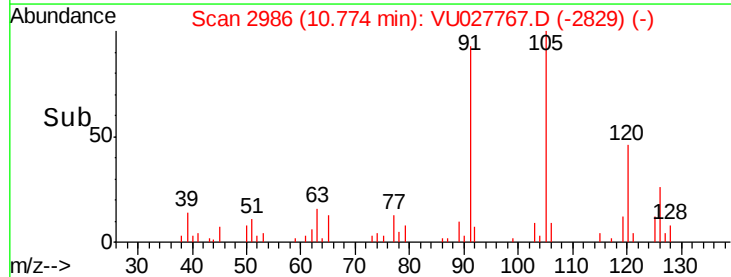
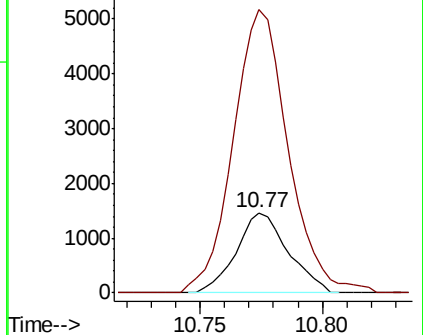
126 100

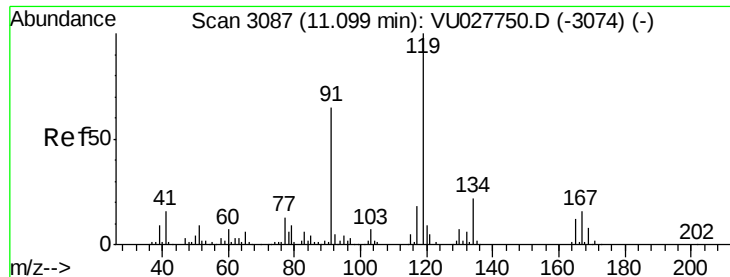
91 375.1 0.0 734.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.618 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

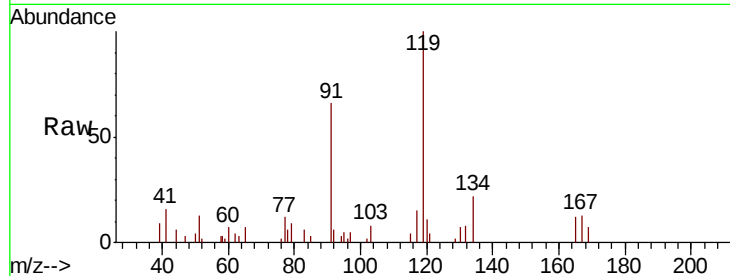
Tot Ion:119 Resp: 7942

Ion Ratio Lower Upper

119 100

91 67.3 31.8 95.4

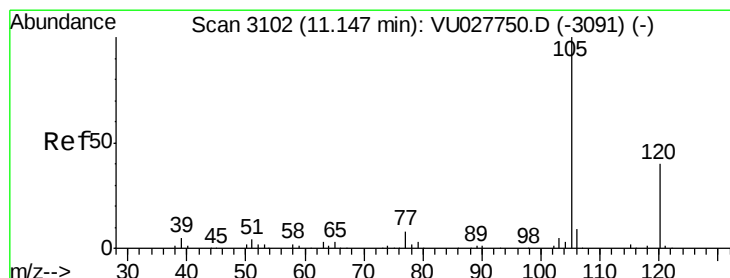
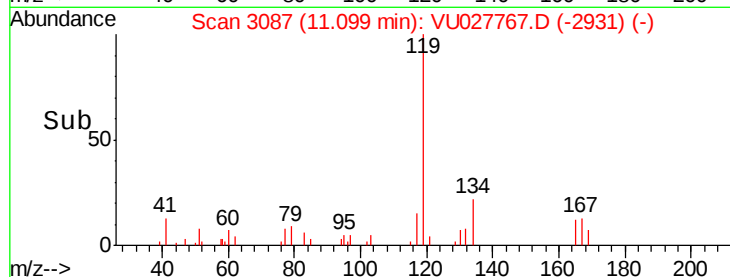
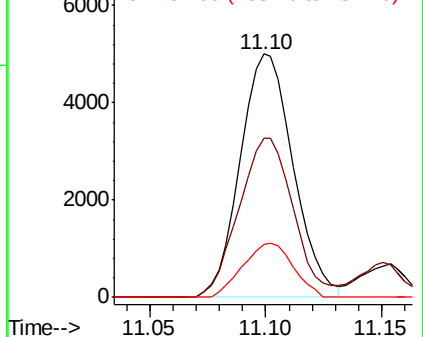
134 21.2 17.7 26.5



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: 0.635 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU027767.D

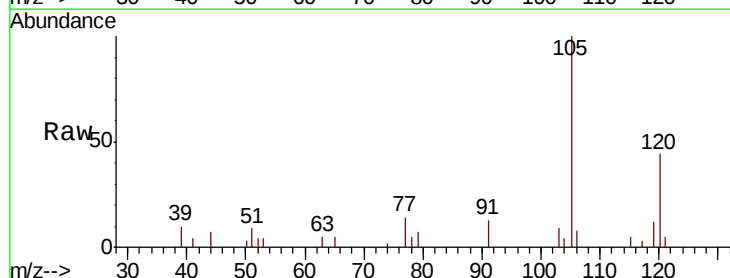
Acq: 23 Oct 2018 16:57

Tgt Ion:105 Resp: 8514

Ion Ratio Lower Upper

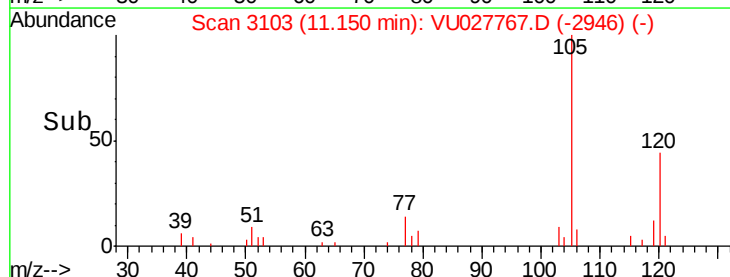
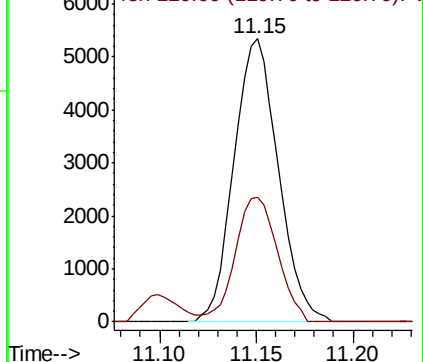
105 100

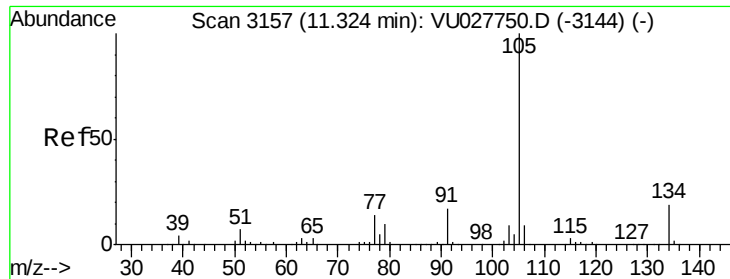
120 41.8 21.6 64.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.637 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

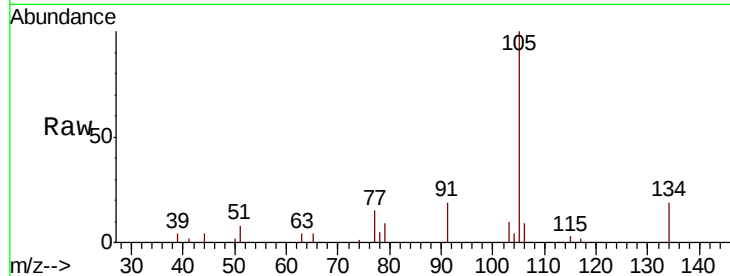
LOQ-WATER-02-QT4-2018

Tot Ion:105 Resp: 10836

Ion Ratio Lower Upper

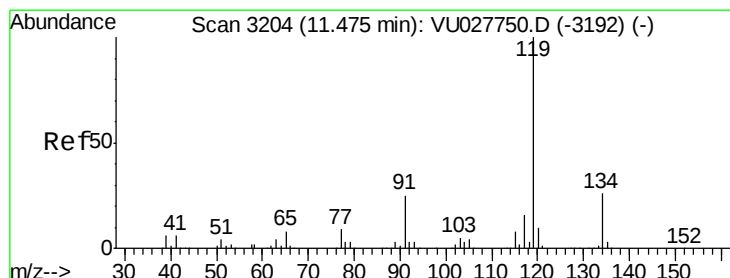
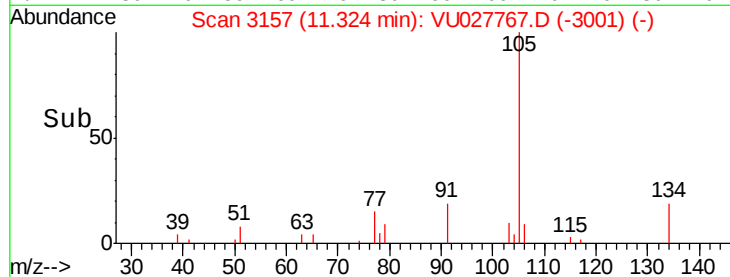
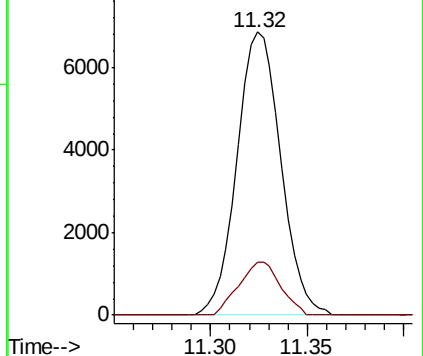
105 100

134 17.9 15.2 22.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#81

p-Isopropyltoluene

Concen: 0.618 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

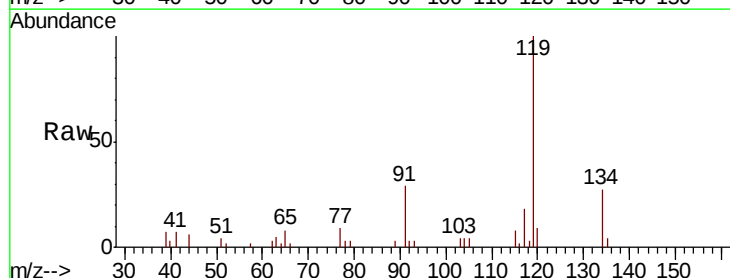
Tgt Ion:119 Resp: 8585

Ion Ratio Lower Upper

119 100

134 25.6 20.3 30.5

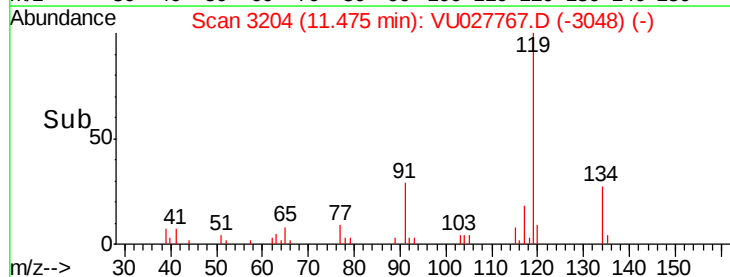
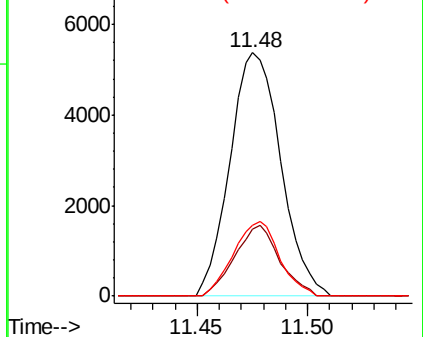
91 27.8 20.2 30.4

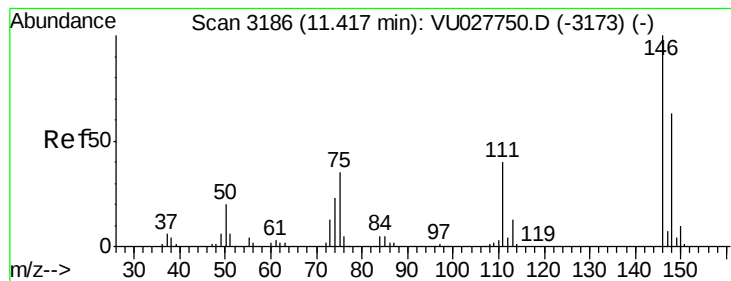


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#82

1,3-Dichlorobenzene

Concen: 0.637 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

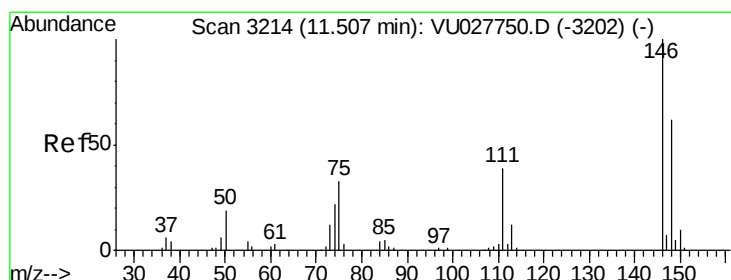
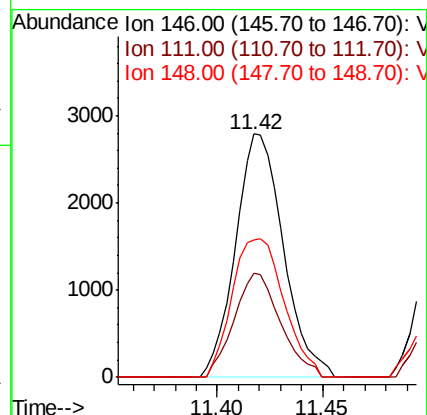
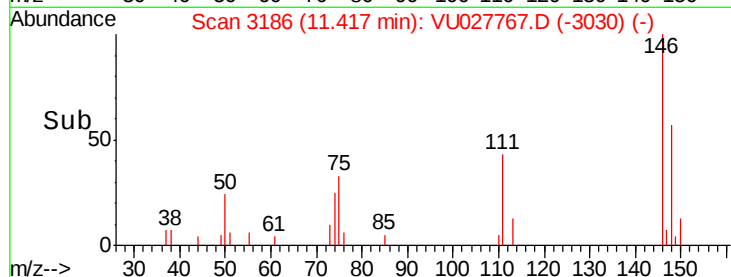
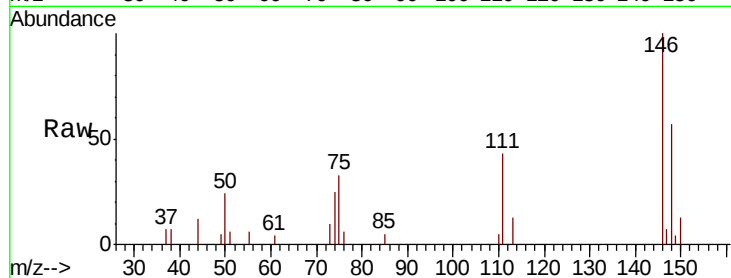
Tot Ion:146 Resp: 4398

Ion Ratio Lower Upper

146 100

111 41.5 32.7 49.1

148 61.6 50.6 75.8



#83

1,4-Dichlorobenzene

Concen: 0.624 ug/l

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

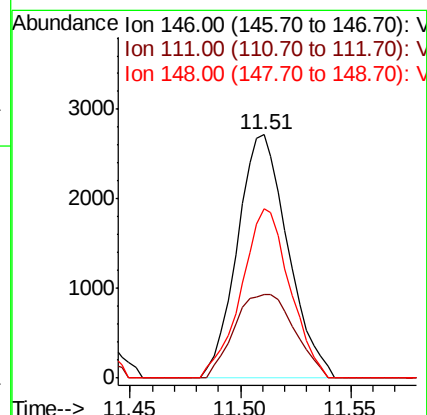
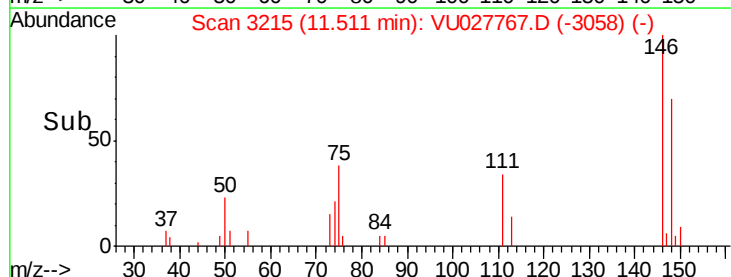
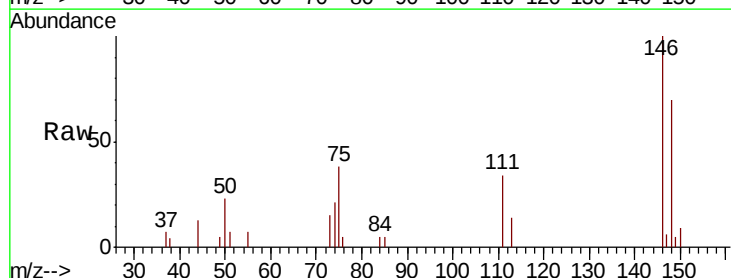
Tgt Ion:146 Resp: 4312

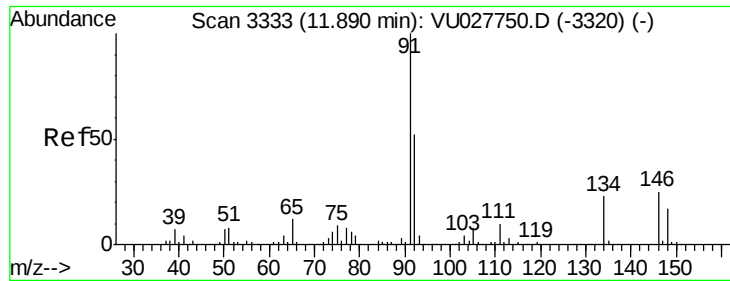
Ion Ratio Lower Upper

146 100

111 40.9 32.0 48.0

148 67.1 50.9 76.3

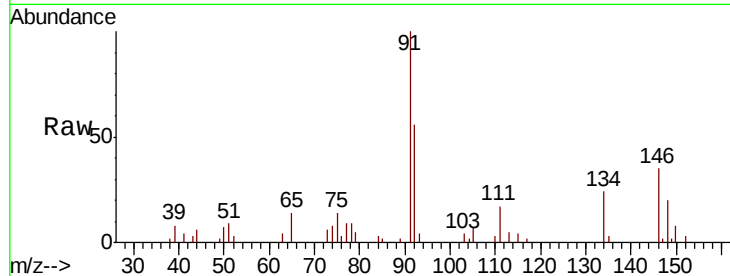




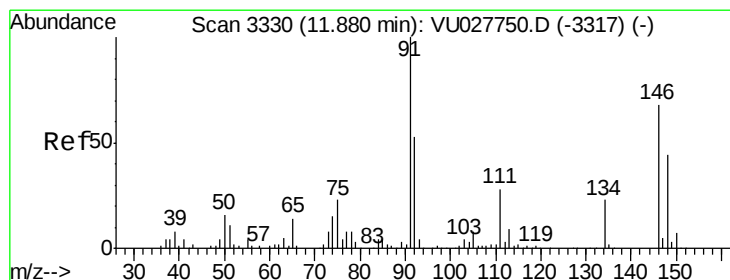
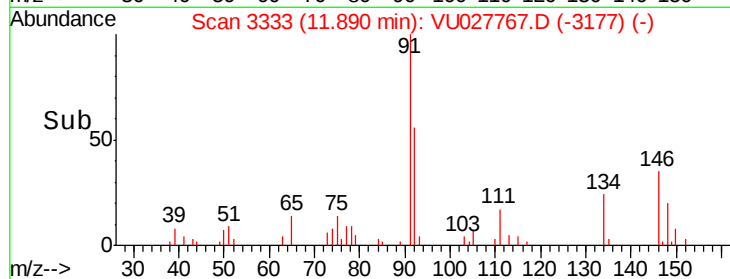
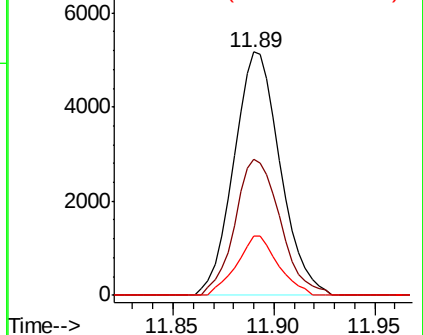
#84
n-Butylbenzene
Concen: 0.616 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tot Ion: 91 Resp: 8317
Ion Ratio Lower Upper
91 100
92 54.8 42.1 63.1
134 21.8 18.6 28.0

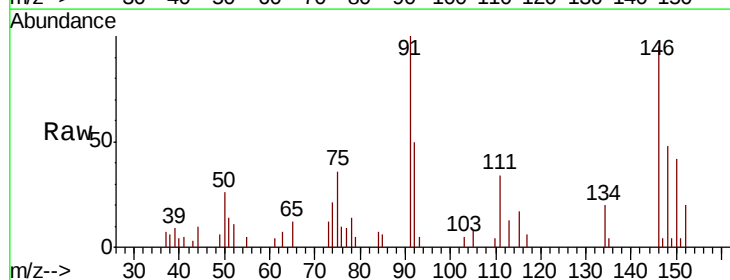


Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V

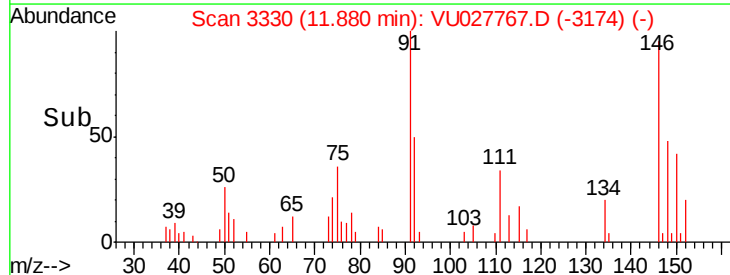
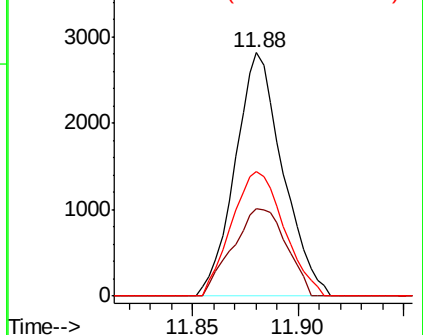


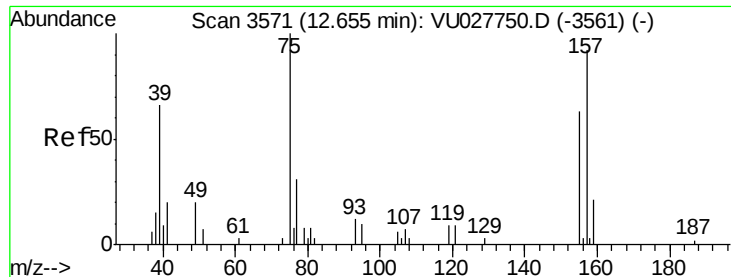
#85
1,2-Dichlorobenzene
Concen: 0.670 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU027767.D
Acq: 23 Oct 2018 16:57

Tgt Ion: 146 Resp: 4410
Ion Ratio Lower Upper
146 100
111 40.3 21.2 63.6
148 56.4 32.2 96.6



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





#86

1,2-Dibromo-3-Chloropropane

Concen: 0.590 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

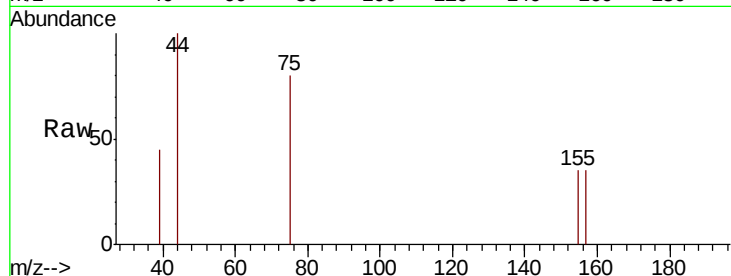
Tot Ion: 75 Resp: 337

Ion Ratio Lower Upper

75 100

155 47.8 55.5 83.3#

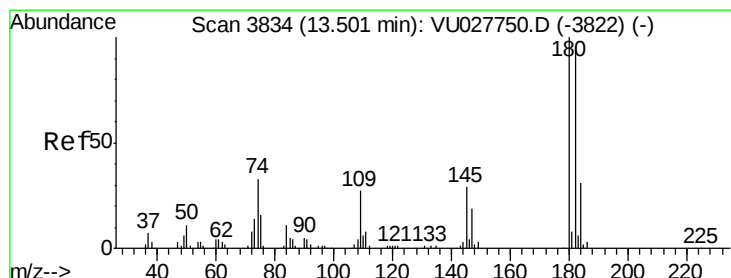
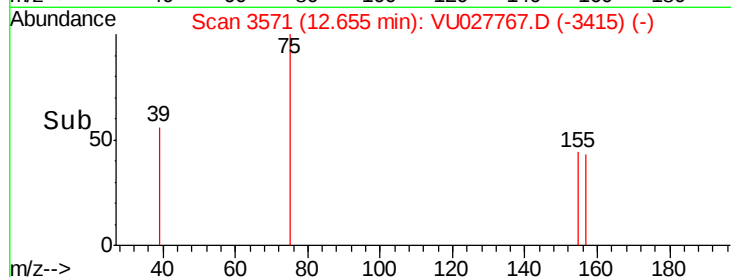
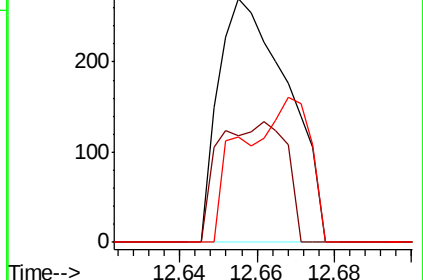
157 57.9 71.0 106.4#



Abundance Ion 75.00 (74.70 to 75.70): VU027750.D (-3561) (-)

Ion 155.00 (154.70 to 155.70): VU027750.D (-3561) (-)

Ion 157.00 (156.70 to 157.70): VU027750.D (-3561) (-)



#87

1,2,4-Trichlorobenzene

Concen: 0.618 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

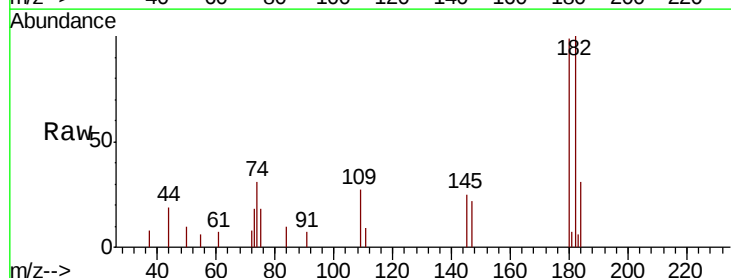
Tgt Ion: 180 Resp: 2958

Ion Ratio Lower Upper

180 100

182 99.1 75.9 113.9

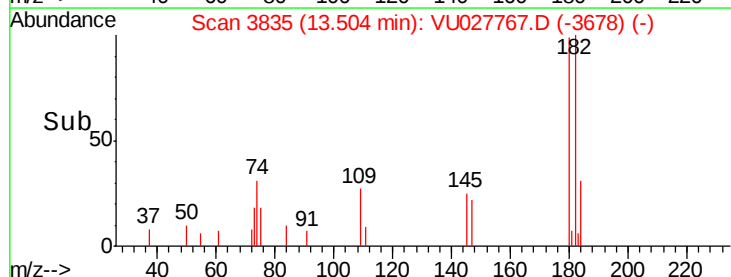
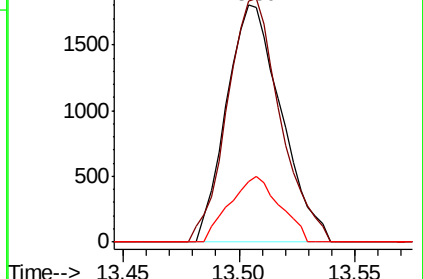
145 25.4 23.6 35.4

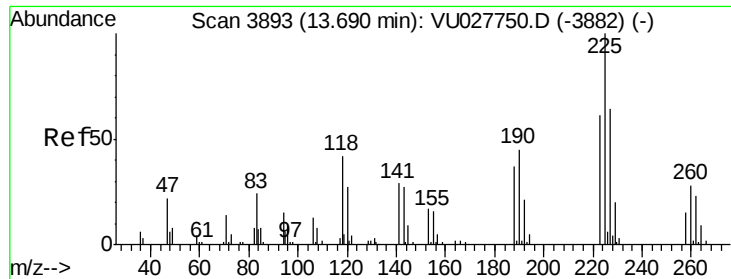


Abundance Ion 179.70 (179.40 to 180.40): VU027750.D (-3822) (-)

Ion 181.80 (181.50 to 182.50): VU027750.D (-3822) (-)

Ion 144.80 (144.50 to 145.50): VU027750.D (-3822) (-)





#88

Hexachlorobutadiene

Concen: 0.574 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

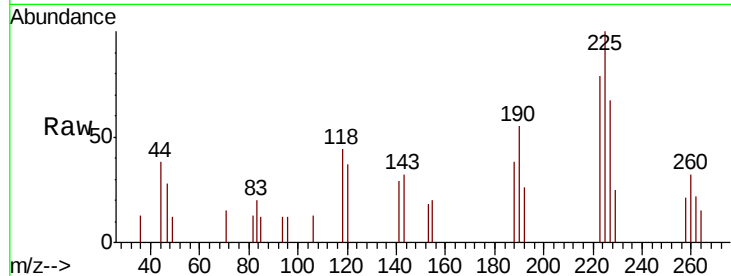
Tot Ion:225 Resp: 1646

Ion Ratio Lower Upper

225 100

223 70.8 49.6 74.4

227 60.9 51.1 76.7

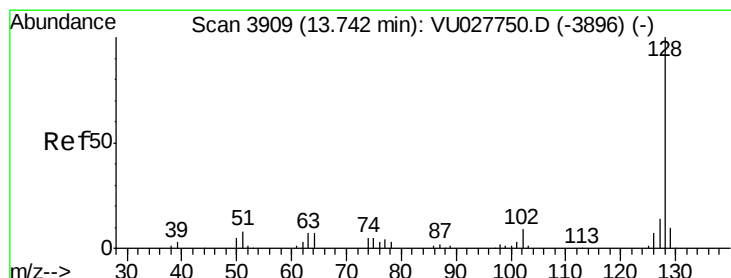
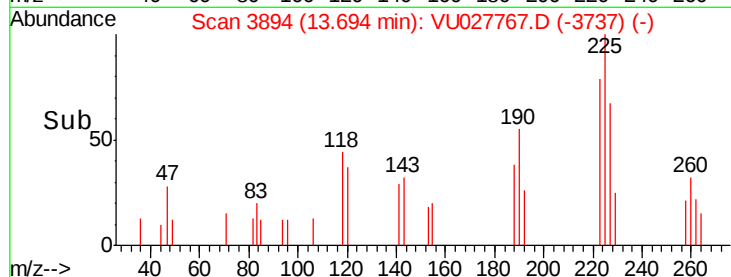
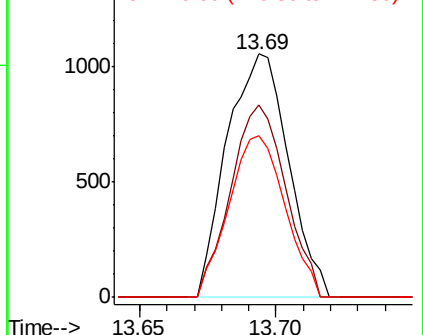


Abundance

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: 0.606 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

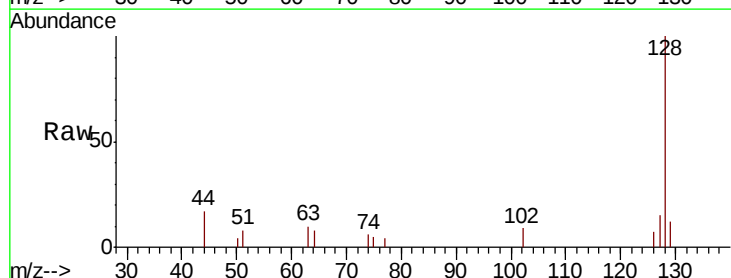
Tgt Ion:128 Resp: 5448

Ion Ratio Lower Upper

128 100

127 11.4 10.7 16.1

129 7.7 8.5 12.7#

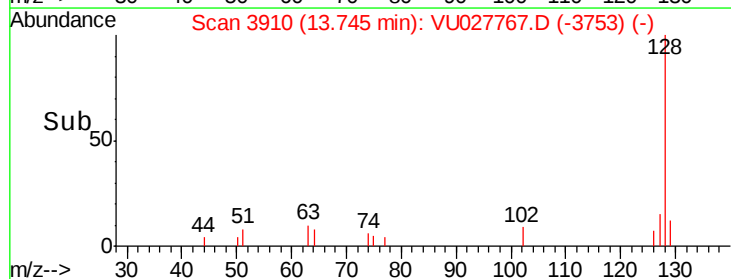
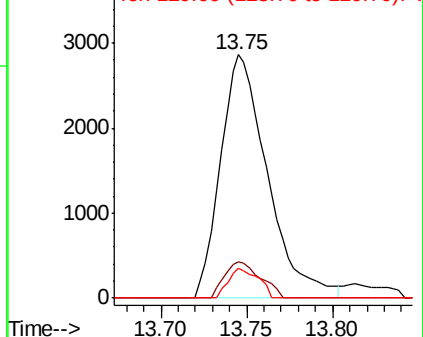


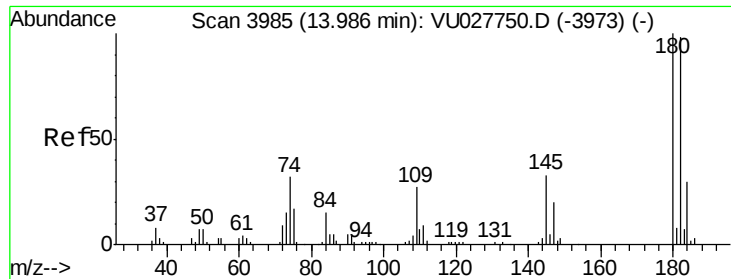
Abundance

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: 0.601 ug/l

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027767.D

Acq: 23 Oct 2018 16:57

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

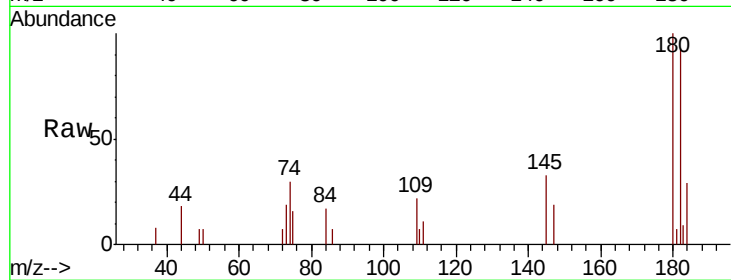
Tot Ion:180 Resp: 2737

Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.6

145 29.4 25.4 38.2



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

