

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U0102318\
 Data File : VU027766.D
 Acq On : 23 Oct 2018 16:33
 Operator : MD/SY
 Sample : J5164-09 0.25ppb
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Quant Time: Oct 26 10:38:47 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	11393	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	4043	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	3960	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	1108	0.245	ug/l	87
3) Chloromethane	1.33	50	1385	0.286	ug/l	97
4) Vinyl Chloride	1.40	62	1171	0.259	ug/l	96
5) Bromomethane	1.64	94	641	0.270	ug/l	95
6) Chloroethane	1.70	64	870	0.355	ug/l	91
7) Trichlorofluoromethane	1.89	101	1338	0.243	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	725	0.250	ug/l #	90
9) 1,1-Dichloroethene	2.29	96	659	0.259	ug/l	91
10) Iodomethane	2.41	142	811	0.237	ug/l #	82
11) Allyl Chloride	2.60	41	1914	0.318	ug/l	91
12) Acrylonitrile	2.94	53	332m	0.429	ug/l	
13) Acetone	2.34	43	1813	2.565	ug/l	93
14) Carbon Disulfide	2.48	76	2458	0.260	ug/l #	90
15) Methylene Chloride	2.70	84	869	0.271	ug/l	91
16) trans-1,2-Dichloroethene	2.98	96	839	0.297	ug/l #	79
17) 1,1-Dichloroethane	3.45	63	1562	0.250	ug/l #	86
18) 2-Butanone	4.31	43	1649m	1.405	ug/l	
19) Cyclohexane	5.00	56	1661	0.297	ug/l #	84
20) Methylcyclohexane	6.42	83	1405	0.248	ug/l	85
21) 2,2-Dichloropropane	4.22	77	1539	0.279	ug/l #	63
22) cis-1,2-Dichloroethene	4.23	96	926	0.273	ug/l	51
23) Diethyl Ether	2.11	59	650	0.269	ug/l #	84
24) tert-Butyl Alcohol	2.89	59	591m	2.293	ug/l	
25) Methyl tert-Butyl Ether	3.01	73	2237	0.276	ug/l #	46
26) Bromochloromethane	4.56	128	222	0.163	ug/l	56
27) Chloroform	4.68	83	1656	0.272	ug/l	78
28) 1,1,1-Trichloroethane	4.92	97	1247m	0.230	ug/l	
29) 1,1-Dichloropropene	5.13	75	1336	0.283	ug/l #	80
30) Carbon Tetrachloride	5.13	117	1106	0.229	ug/l	95
31) Isopropyl Ether	3.58	45	3016	0.268	ug/l	77
32) Ethyl-t-butyl ether	4.08	59	2628	0.263	ug/l #	72
33) Tert-Amyl methyl ether	5.58	73	2228	0.263	ug/l #	74
35) Benzene	5.39	78	3648	0.276	ug/l	98
36) 1,2-Dichloroethane	5.42	62	1135	0.258	ug/l #	79
37) Trichloroethene	6.19	130	822	0.252	ug/l	89
38) 1,2-Dichloropropane	6.44	63	886	0.239	ug/l	92
39) Methacrylonitrile	4.57	41	366m	0.237	ug/l	
40) Methyl acrylate	4.45	55	330	0.164	ug/l #	69
41) Tetrahydrofuran	4.67	42	530	0.621	ug/l #	40
42) 1-Chlorobutane	5.06	56	2086	0.280	ug/l	92
43) Dibromomethane	6.57	93	341	0.202	ug/l #	77

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102318\
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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

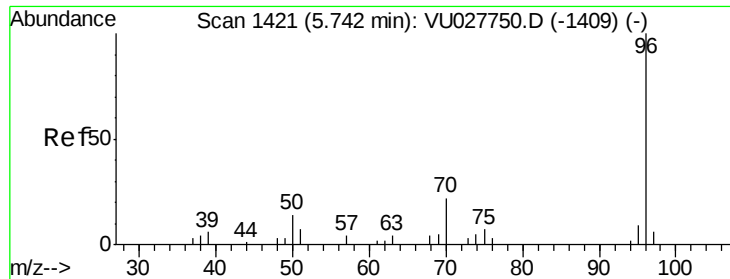
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Quant Time: Oct 26 10:38:47 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)

44) Bromodichloromethane	6.76	83	1192	0.260	ug/l #	95
45) 4-Methyl-2-Pentanone	7.47	43	3660	1.338	ug/l #	85
46) t-1,4-Dichloro-2-butene	10.52	75	472m	0.478	ug/l	
47) Methyl methacrylate	6.64	69	803	0.452	ug/l #	90
48) Ethyl methacrylate	8.03	69	835	0.226	ug/l	88
49) Toluene	7.64	92	2074	0.265	ug/l	95
50) t-1,3-Dichloropropene	7.89	75	1086	0.238	ug/l	100
51) cis-1,3-Dichloropropene	7.28	75	1319	0.246	ug/l #	90
52) 1,1,2-Trichloroethane	8.07	97	478	0.210	ug/l #	86
53) 1,3-Dichloropropane	8.25	76	1075	0.246	ug/l #	85
54) 2-Hexanone	8.38	43	2517	1.291	ug/l	91
55) Dibromochloromethane	8.48	129	682	0.238	ug/l #	69
56) 1,2-Dibromoethane	8.59	107	519	0.232	ug/l	91
58) Tetrachloroethene	8.23	164	729	0.237	ug/l #	74
59) Chlorobenzene	9.12	112	2234	0.266	ug/l	91
60) 1,1,1,2-Tetrachloroethane	9.21	131	788	0.258	ug/l #	91
61) Pentachloroethane	11.10	117	544	0.239	ug/l	97
62) Hexachloroethane	12.14	117	581	0.232	ug/l #	76
63) Ethyl Benzene	9.25	91	4179	0.263	ug/l	91
64) m/p-Xylenes	9.38	106	2950	0.520	ug/l	100
65) o-Xylene	9.78	106	1353	0.240	ug/l	87
66) Styrene	9.79	104	2350	0.253	ug/l	98
67) Bromoform	9.96	173	231	0.139	ug/l #	84
69) Isopropylbenzene	10.17	105	4045	0.263	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	743	0.245	ug/l #	91
71) 1,2,3-Trichloropropane	10.49	75	482	0.205	ug/l #	70
72) Bromobenzene	10.46	156	813	0.237	ug/l	82
73) n-propylbenzene	10.59	120	984	0.248	ug/l	80
74) 2-Chlorotoluene	10.66	126	851	0.250	ug/l	74
75) 1,3,5-Trimethylbenzene	10.77	105	3302	0.257	ug/l	97
76) 4-Chlorotoluene	10.78	126	818	0.237	ug/l	86
77) tert-Butylbenzene	11.10	119	3441	0.272	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	3451	0.261	ug/l	99
79) sec-Butylbenzene	11.33	105	4577	0.273	ug/l	92
81) p-Isopropyltoluene	11.48	119	3676	0.269	ug/l	92
82) 1,3-Dichlorobenzene	11.42	146	1847	0.272	ug/l	96
83) 1,4-Dichlorobenzene	11.51	146	1920	0.282	ug/l	94
84) n-Butylbenzene	11.89	91	3374	0.254	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	1690	0.261	ug/l	98
87) 1,2,4-Trichlorobenzene	13.51	180	1226	0.260	ug/l	95
88) Hexachlorobutadiene	13.69	225	725	0.257	ug/l #	88
89) Naphthalene	13.75	128	1838	0.208	ug/l #	75
90) 1,2,3-Trichlorobenzene	13.99	180	976	0.218	ug/l #	83

(#) = 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: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion: 96 Resp: 11393

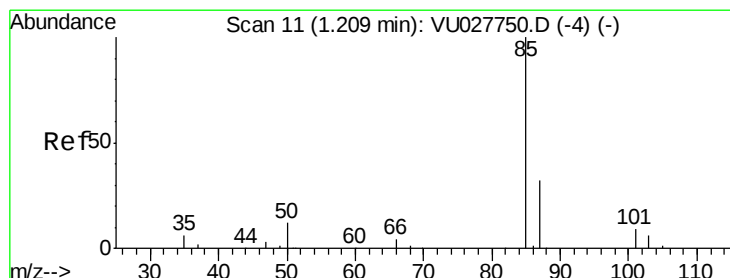
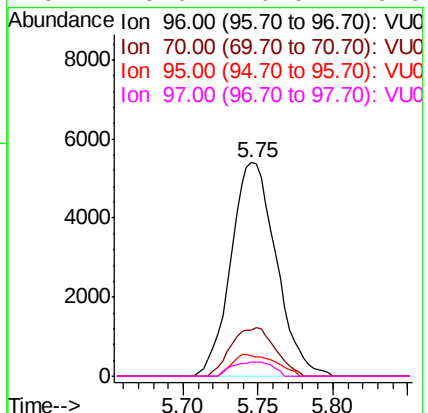
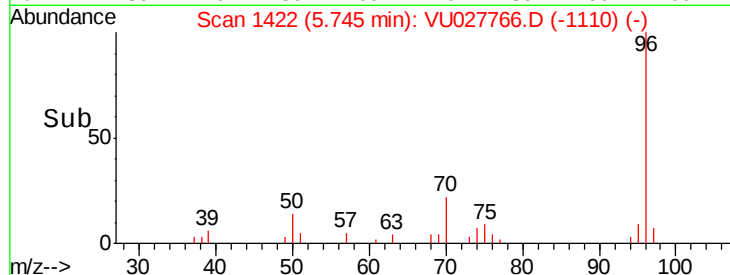
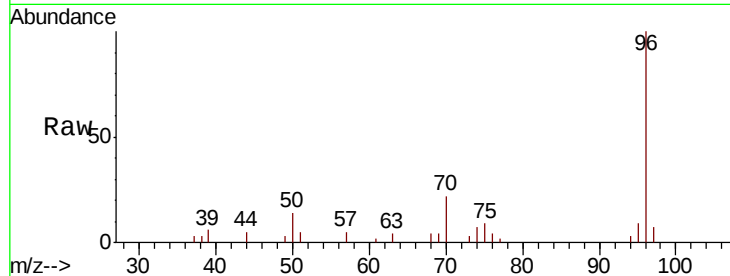
Ion Ratio Lower Upper

96 100

70 22.3 17.7 26.5

95 9.7 7.0 10.6

97 6.0 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.245 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027766.D

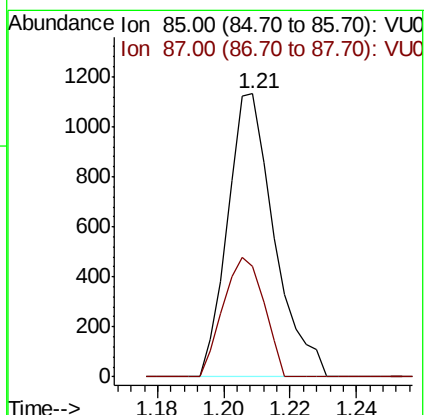
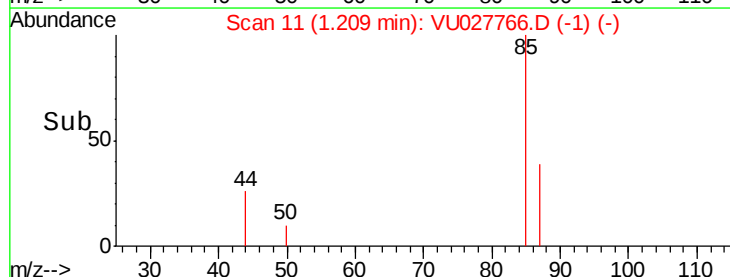
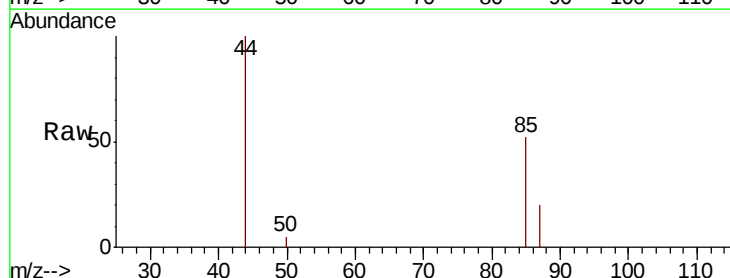
Acq: 23 Oct 2018 16:33

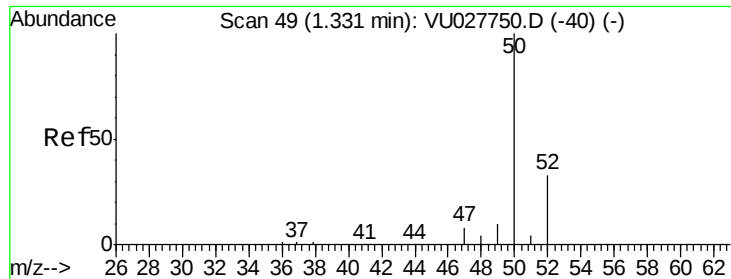
Tgt Ion: 85 Resp: 1108

Ion Ratio Lower Upper

85 100

87 39.0 15.9 47.6





#3

Chloromethane

Concen: 0.286 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

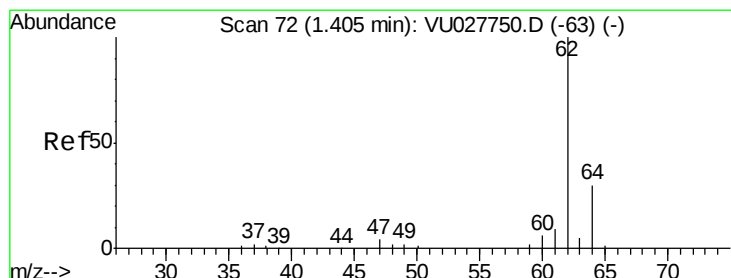
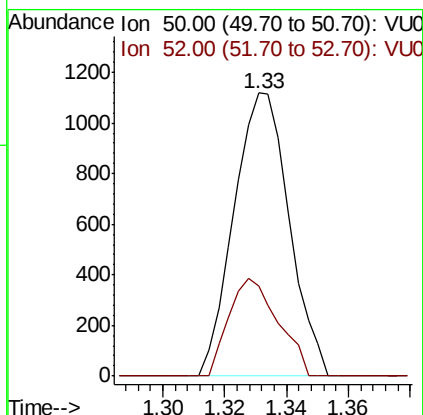
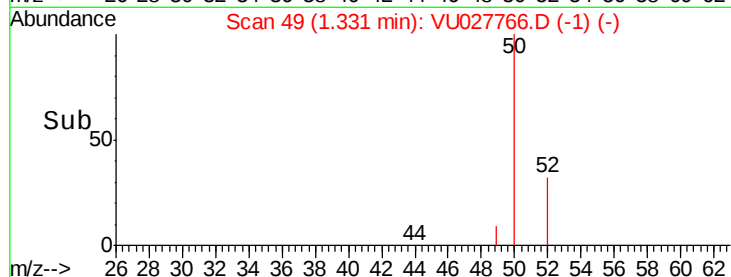
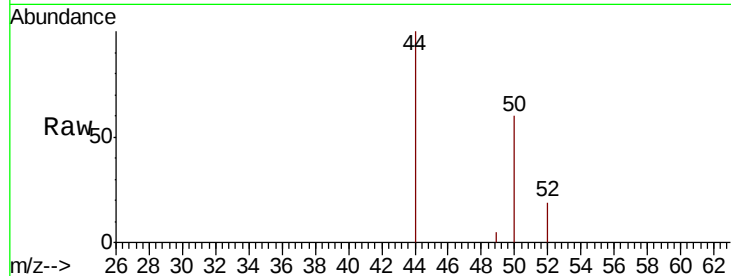
MDL-WATER-03-QT4-2018

Tot Ion: 50 Resp: 1385

Ion Ratio Lower Upper

50 100

52 31.8 26.6 40.0



#4

Vinyl Chloride

Concen: 0.259 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027766.D

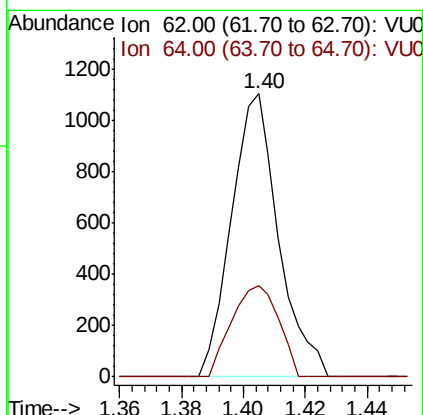
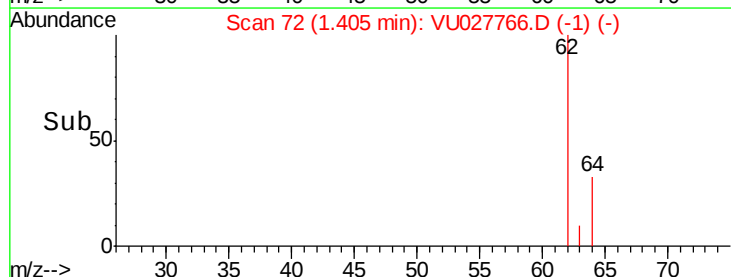
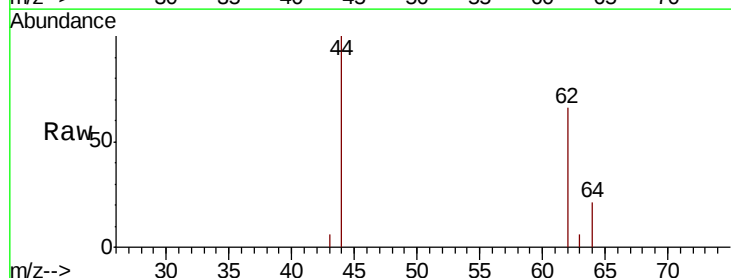
Acq: 23 Oct 2018 16:33

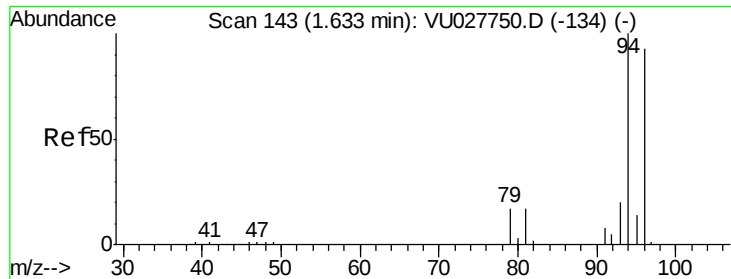
Tgt Ion: 62 Resp: 1171

Ion Ratio Lower Upper

62 100

64 32.5 24.3 36.5





#5

Bromomethane

Concen: 0.270 ug/l

RT: 1.64 min Scan# 144

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

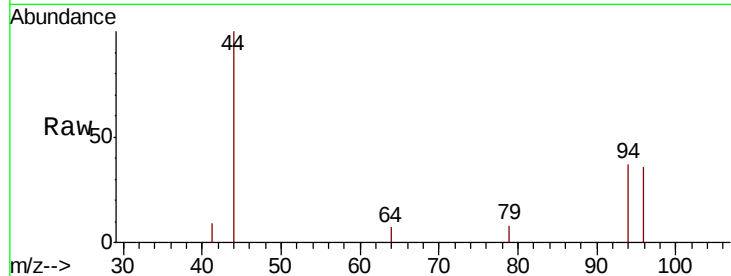
MDL-WATER-03-QT4-2018

Tot Ion: 94 Resp: 641

Ion Ratio Lower Upper

94 100

96 97.5 74.2 111.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

600

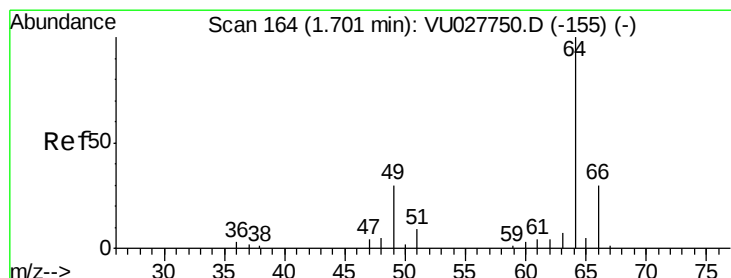
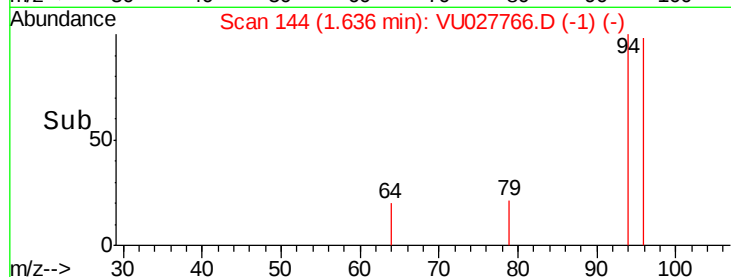
400

200

0

1.60 1.62 1.64 1.66

Time-->



#6

Chloroethane

Concen: 0.355 ug/l

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027766.D

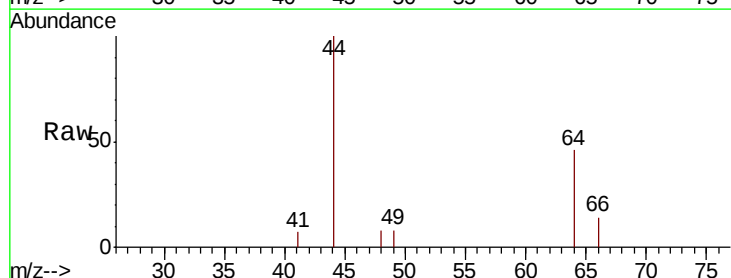
Acq: 23 Oct 2018 16:33

Tgt Ion: 64 Resp: 870

Ion Ratio Lower Upper

64 100

66 35.2 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

800

600

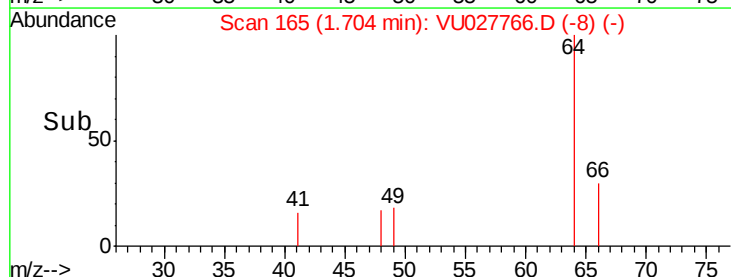
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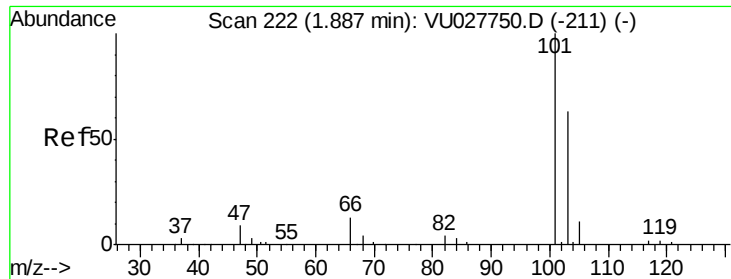
200

0

1.70 1.75

Time-->



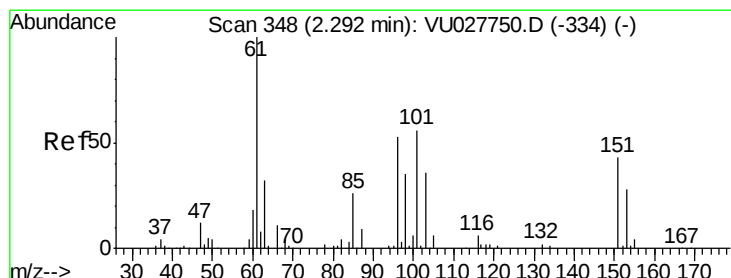
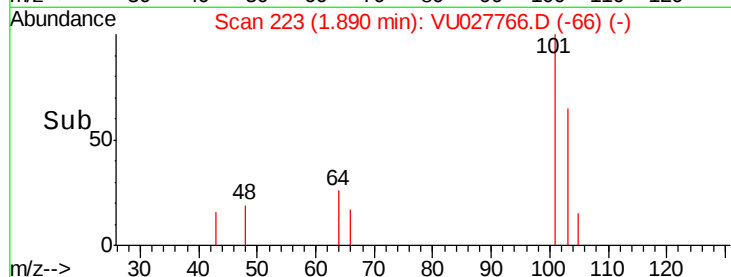
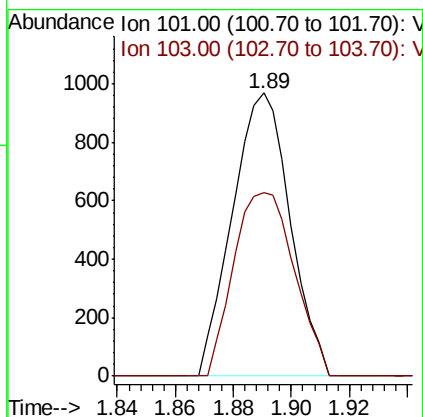
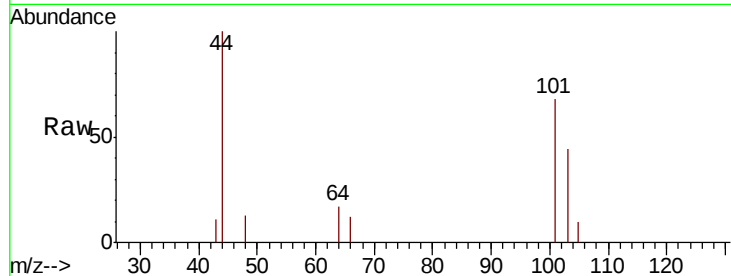


#7

Trichlorofluoromethane
 Concen: 0.243 ug/l
 RT: 1.89 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

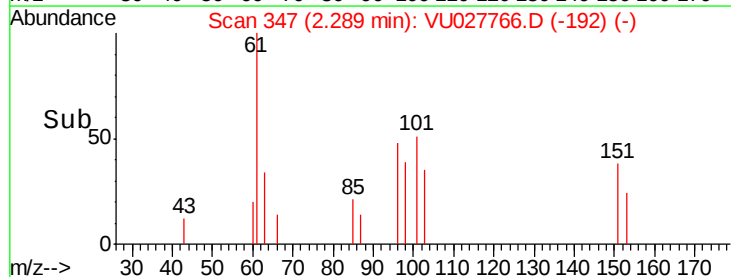
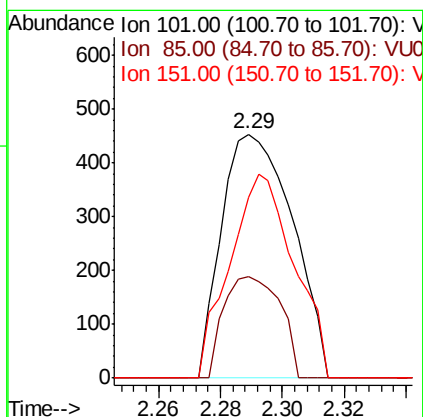
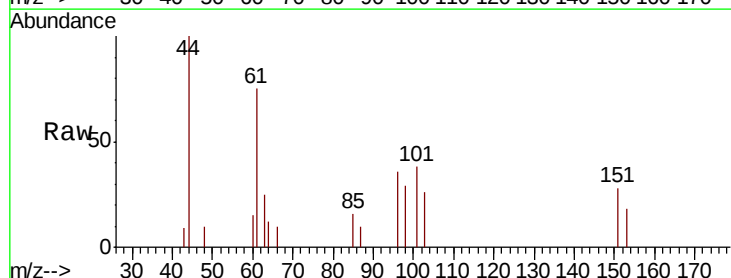
Tot Ion:101 Resp: 1338
 Ion Ratio Lower Upper
 101 100
 103 65.0 50.2 75.2

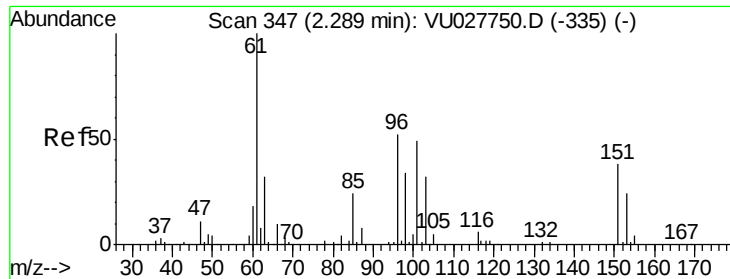


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.250 ug/l
 RT: 2.29 min Scan# 347
 Delta R.T. -0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion:101 Resp: 725
 Ion Ratio Lower Upper
 101 100
 85 33.0 38.2 57.2#
 151 75.6 61.8 92.8





#9

1,1-Dichloroethene

Concen: 0.259 ug/l

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

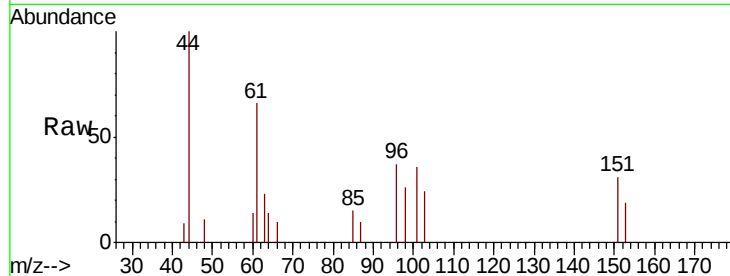
Tot Ion: 96 Resp: 659

Ion Ratio Lower Upper

96 100

61 178.1 0.0 581.4

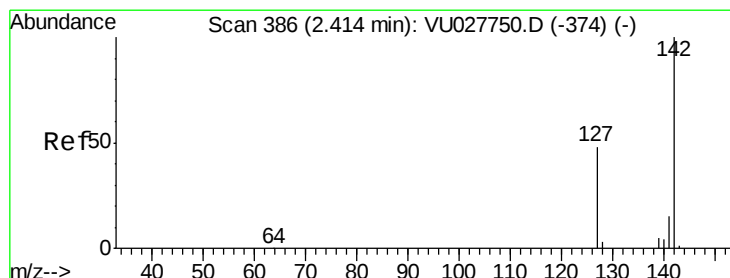
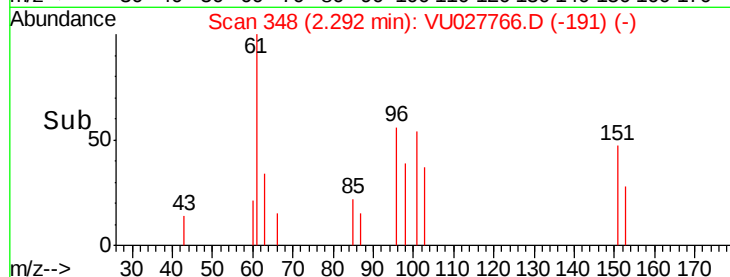
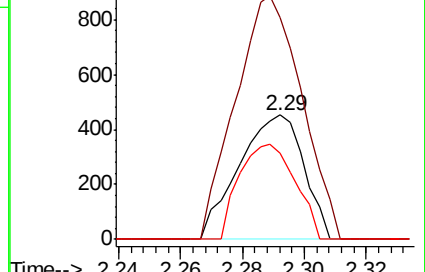
98 69.8 0.0 131.2



Abundance Ion 96.00 (95.70 to 96.70): VU027750.D (-335) (-)

Ion 61.00 (60.70 to 61.70): VU027750.D (-335) (-)

Ion 98.00 (97.70 to 98.70): VU027750.D (-335) (-)



#10

Iodomethane

Concen: 0.237 ug/l

RT: 2.41 min Scan# 386

Delta R.T. 0.00 min

Lab File: VU027766.D

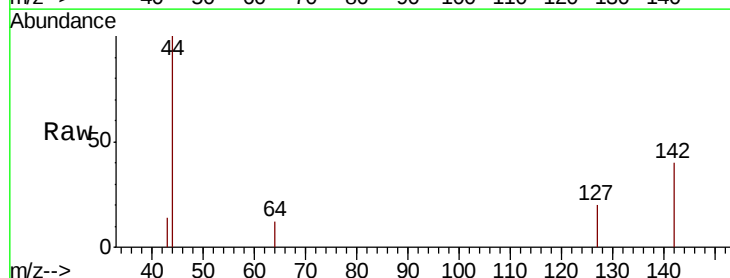
Acq: 23 Oct 2018 16:33

Tgt Ion:142 Resp: 811

Ion Ratio Lower Upper

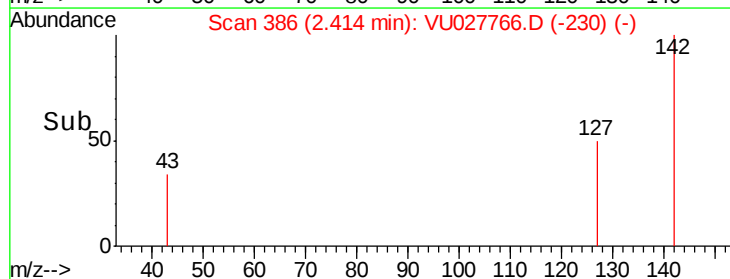
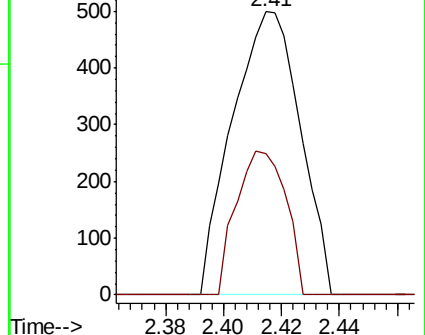
142 100

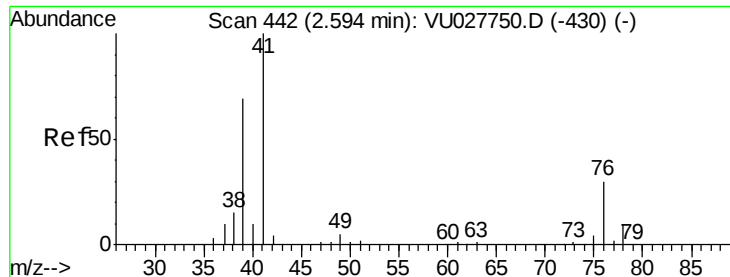
127 36.9 39.2 58.8#



Abundance Ion 142.00 (141.70 to 142.70): VU027750.D (-374) (-)

Ion 127.00 (126.70 to 127.70): VU027750.D (-374) (-)





#11

Allvl Chloride

Concen: 0.318 ug/l

RT: 2.60 min Scan# 443

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

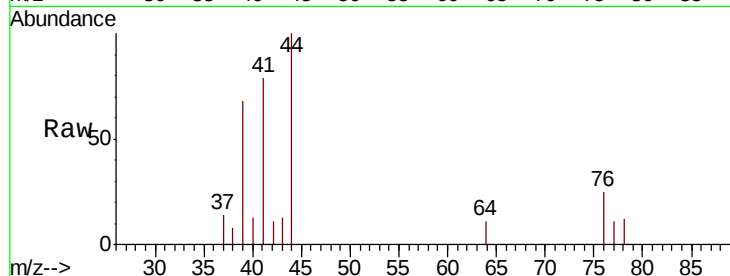
MDL-WATER-03-QT4-2018

Tot Ion: 41 Resp: 1914

Ion Ratio Lower Upper

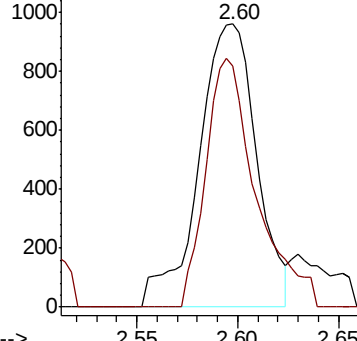
41 100

39 76.6 55.4 83.0

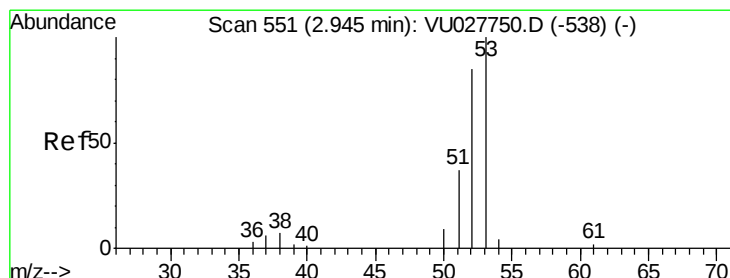
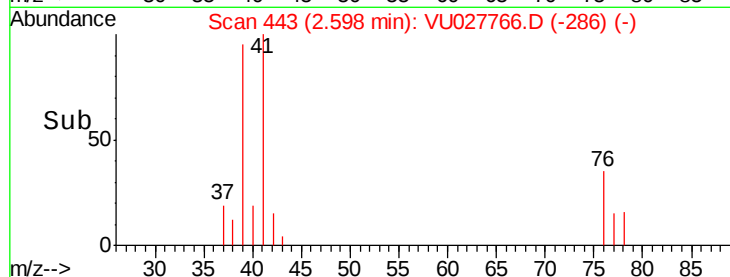


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



Time-->



#12

Acrylonitrile

Concen: 0.429 ug/l m

RT: 2.94 min Scan# 551

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

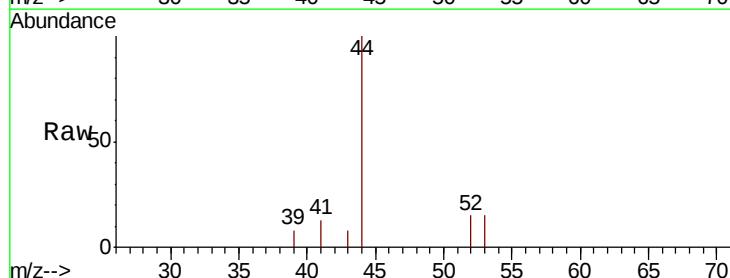
Tgt Ion: 53 Resp: 332

Ion Ratio Lower Upper

53 100

52 98.5 67.9 101.9

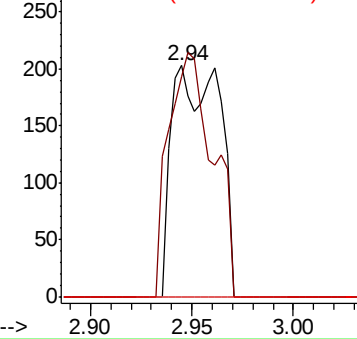
51 0.0 30.0 45.0#



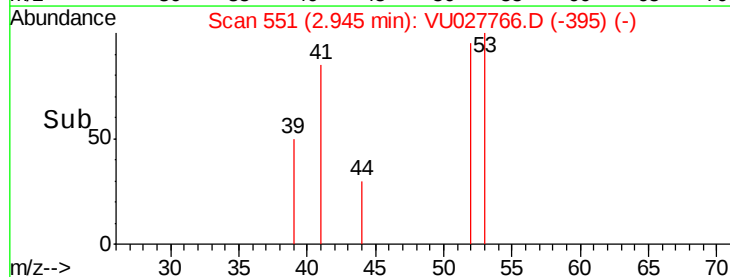
Abundance Ion 53.00 (52.70 to 53.70): VU0

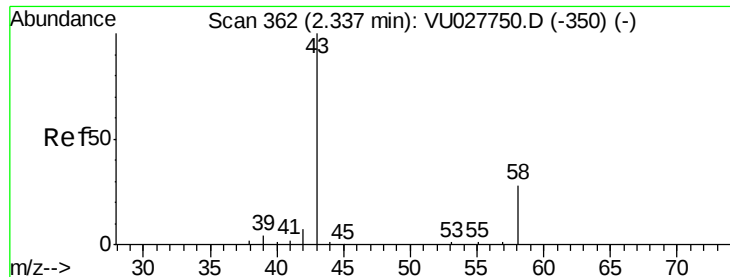
Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



Time-->





#13

Acetone

Concen: 2.565 ug/l

RT: 2.34 min Scan# 364

Delta R.T. 0.01 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

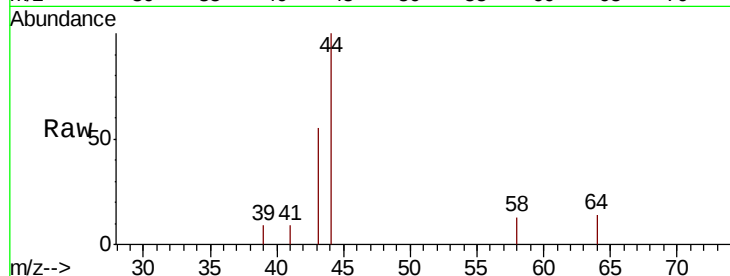
MDL-WATER-03-QT4-2018

Tot Ion: 43 Resp: 1813

Ion Ratio Lower Upper

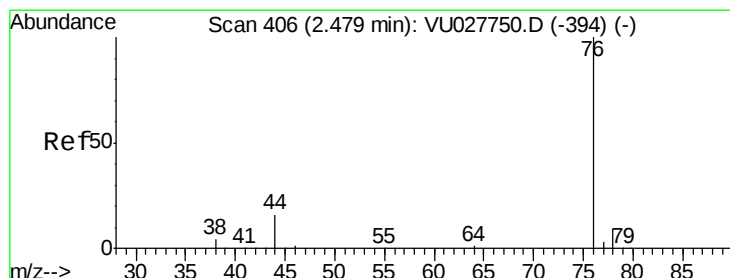
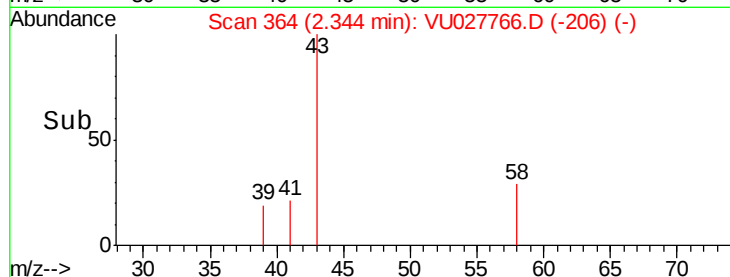
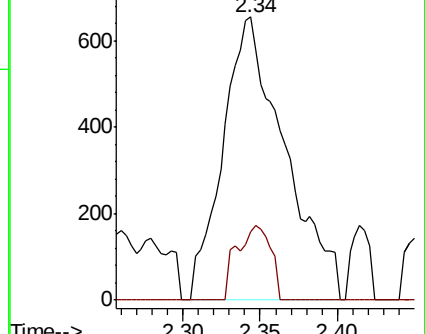
43 100

58 24.2 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: 0.260 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027766.D

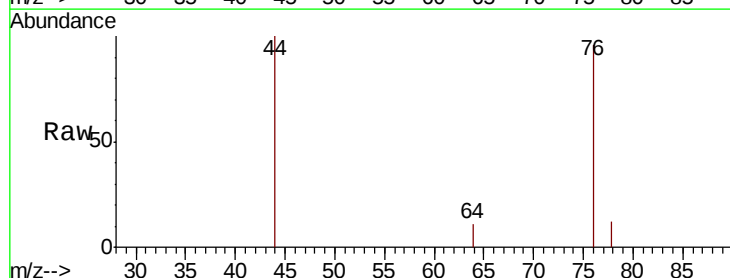
Acq: 23 Oct 2018 16:33

Tgt Ion: 76 Resp: 2458

Ion Ratio Lower Upper

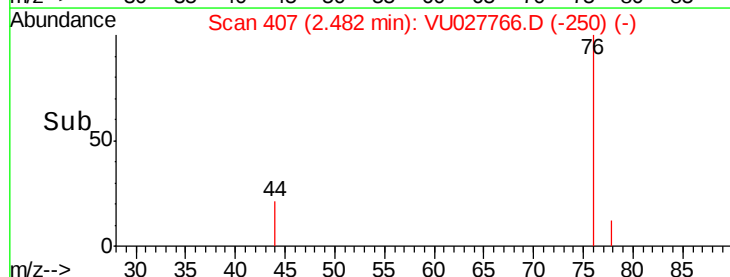
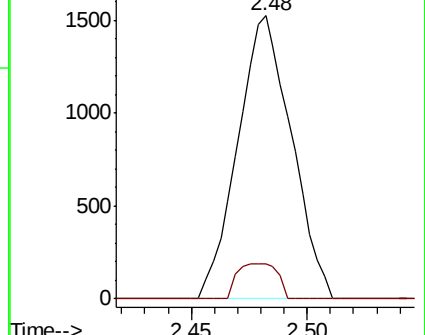
76 100

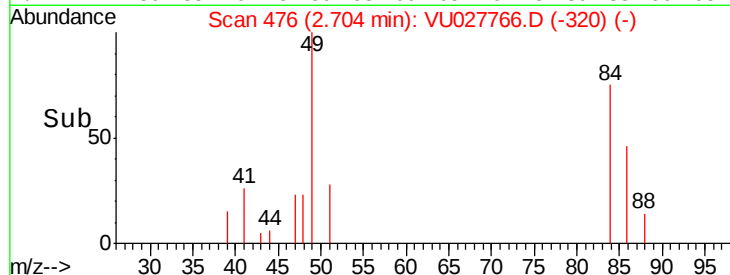
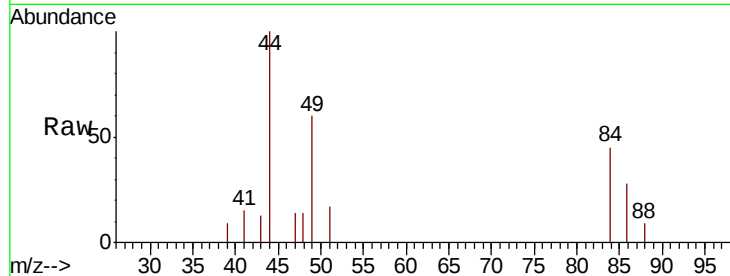
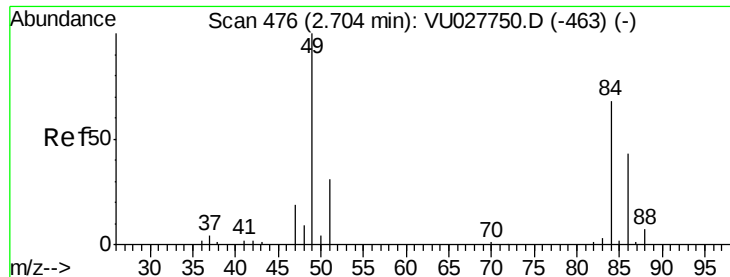
78 12.5 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

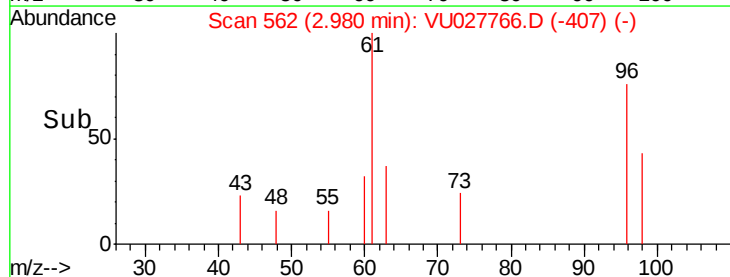
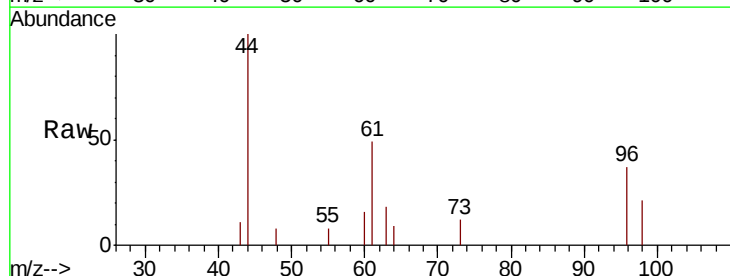
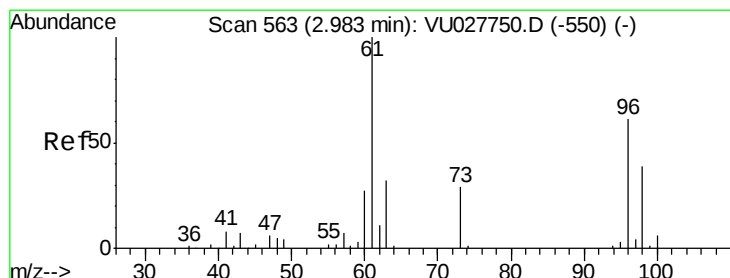
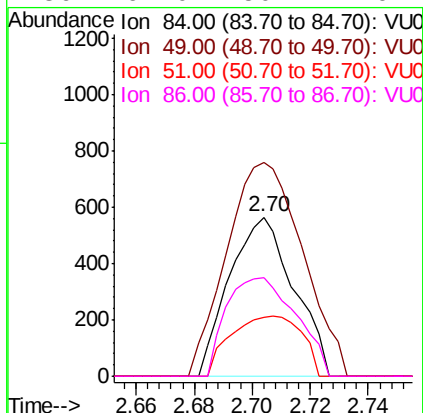




#15
Methvlene Chloride
Concen: 0.271 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

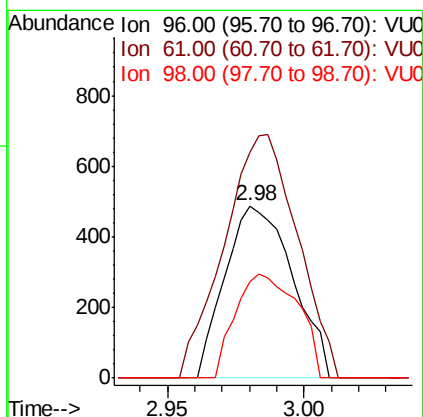
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

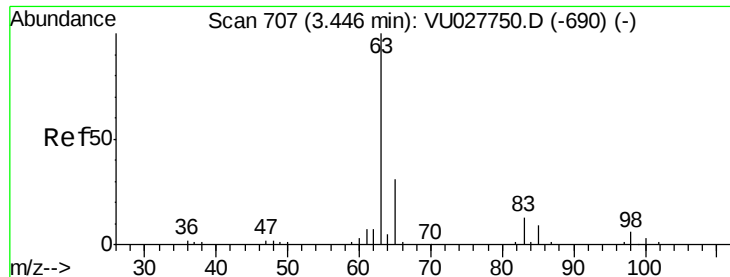
Tot Ion: 84 Resp: 869
Ion Ratio Lower Upper
84 100
49 134.1 118.5 177.7
51 37.3 0.0 91.0
86 62.0 50.7 76.1



#16
trans-1,2-Dichloroethene
Concen: 0.297 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion: 96 Resp: 839
Ion Ratio Lower Upper
96 100
61 130.7 131.8 197.6#
98 56.1 51.2 76.8

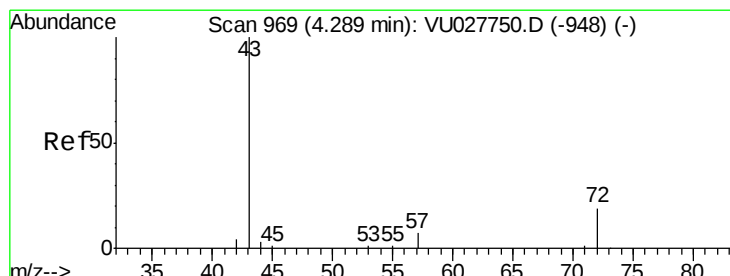
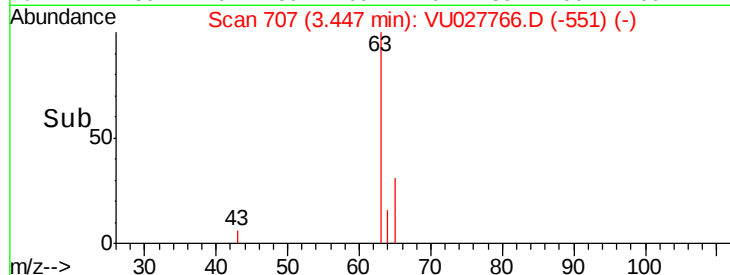
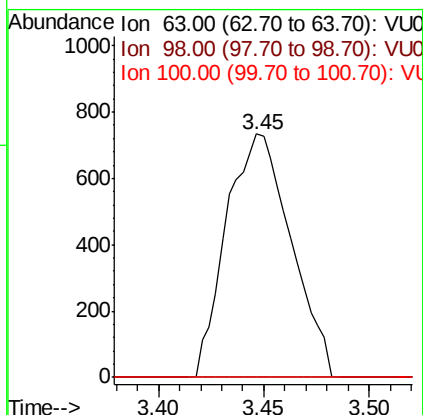
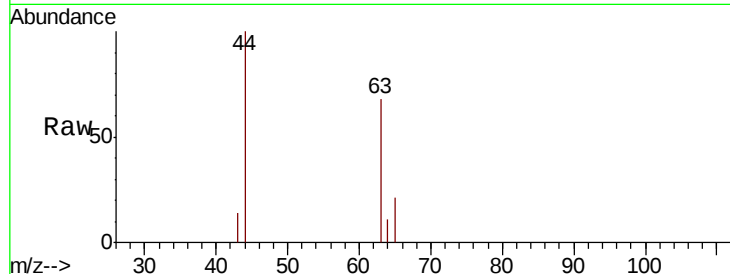




#17
 1,1-Dichloroethane
 Concen: 0.250 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

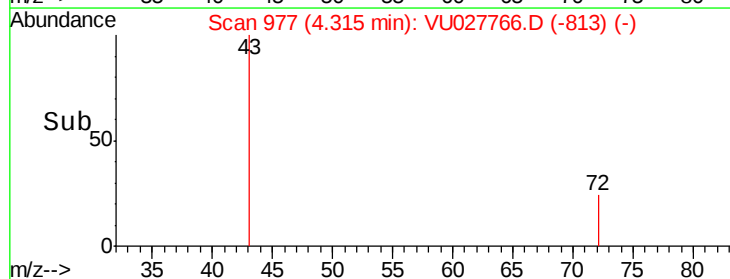
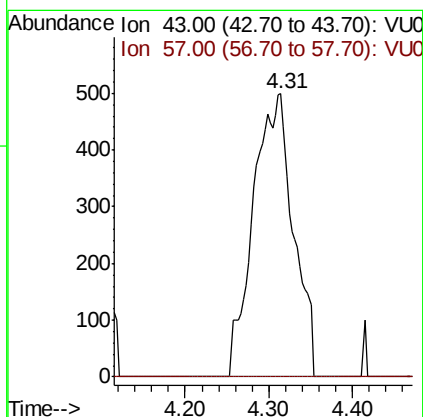
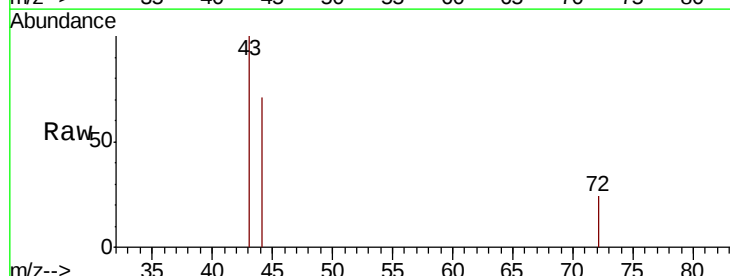
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

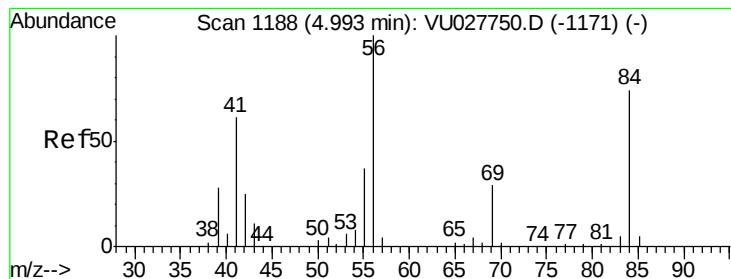
Tot Ion:	63	Resp:	1562
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.8	8.4#
100	0.0	1.5	4.5#



#18
 2-Butanone
 Concen: 1.405 ug/l m
 RT: 4.31 min Scan# 977
 Delta R.T. 0.03 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion:	43	Resp:	1649
Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	14.4





#19

Cyclohexane

Concen: 0.297 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

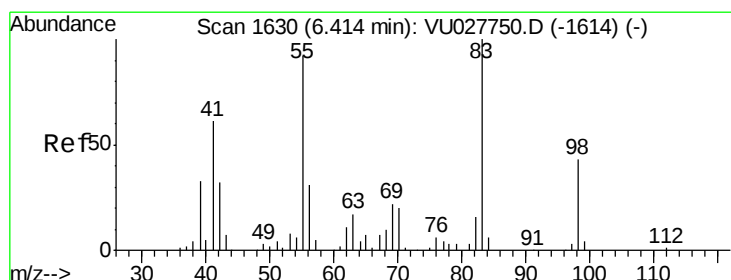
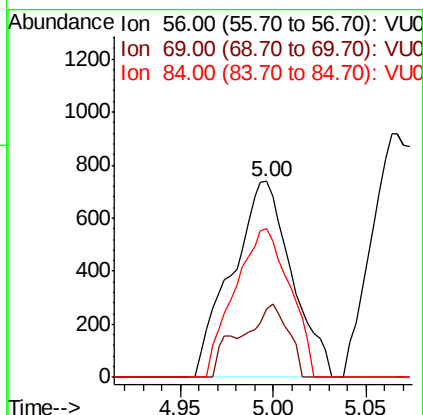
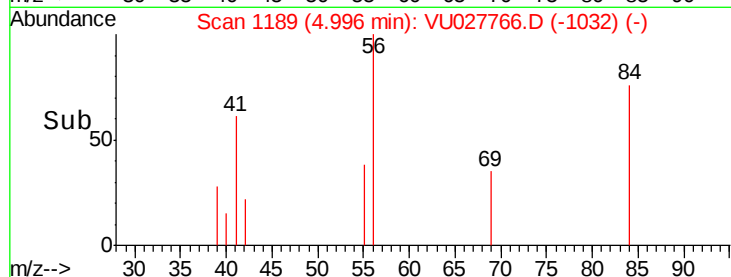
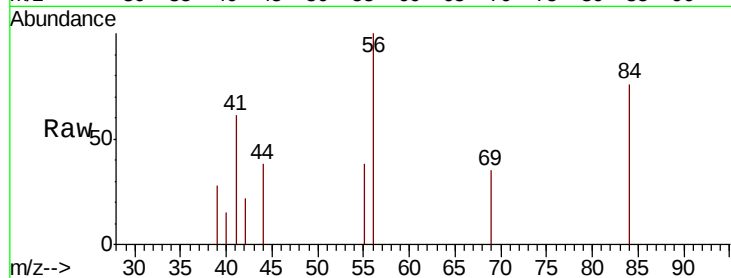
Tot Ion: 56 Resp: 1661

Ion Ratio Lower Upper

56 100

69 21.1 25.9 38.9#

84 69.5 65.9 98.9



#20

Methylcyclohexane

Concen: 0.248 ug/l

RT: 6.42 min Scan# 1632

Delta R.T. 0.01 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

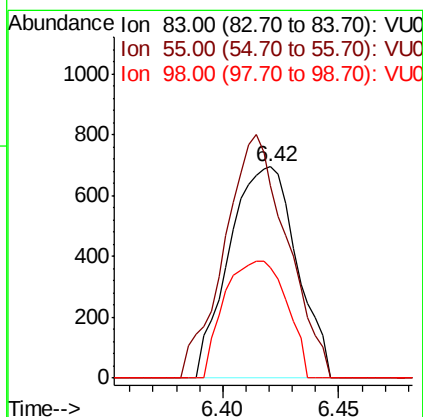
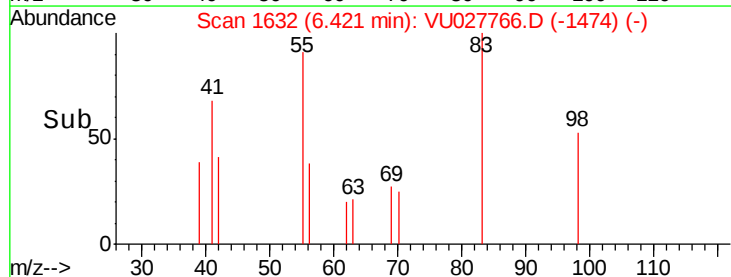
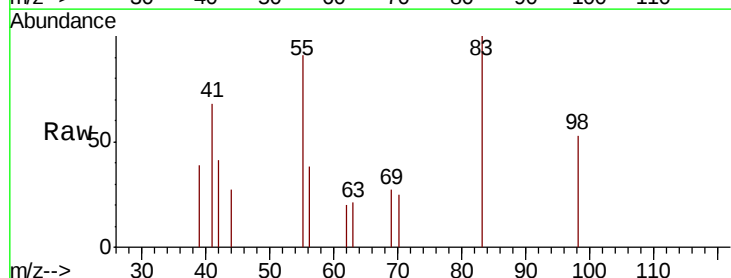
Tgt Ion: 83 Resp: 1405

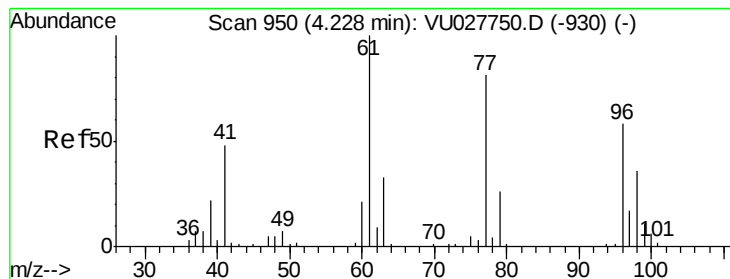
Ion Ratio Lower Upper

83 100

55 106.8 72.6 108.8

98 51.2 35.0 52.4





#21

2,2-Dichloropropane

Concen: 0.279 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

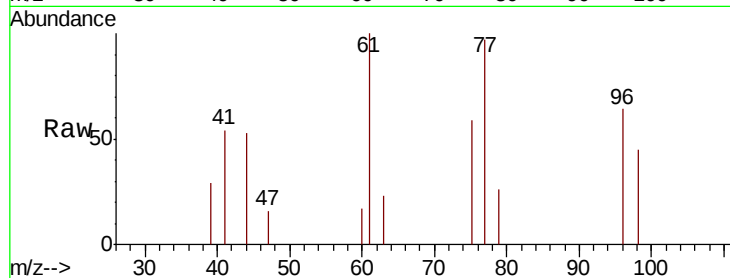
MDL-WATER-03-QT4-2018

Tot Ion: 77 Resp: 1539

Ion Ratio Lower Upper

77 100

97 3.9 16.9 25.3#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

4.22

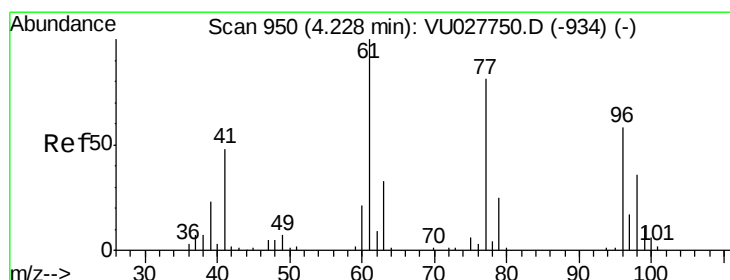
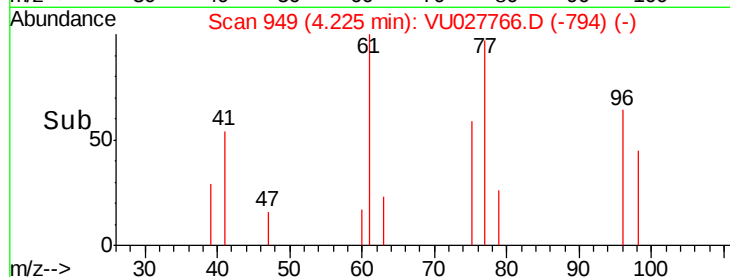
600

400

200

0

Time--> 4.15 4.20 4.25 4.30



#22

cis-1,2-Dichloroethene

Concen: 0.273 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

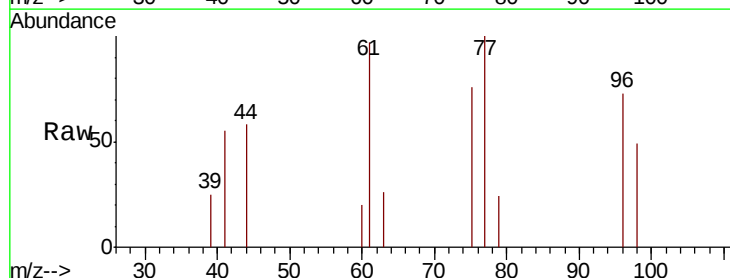
Tgt Ion: 96 Resp: 926

Ion Ratio Lower Upper

96 100

61 93.2 0.0 444.0

98 50.0 31.9 95.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

800

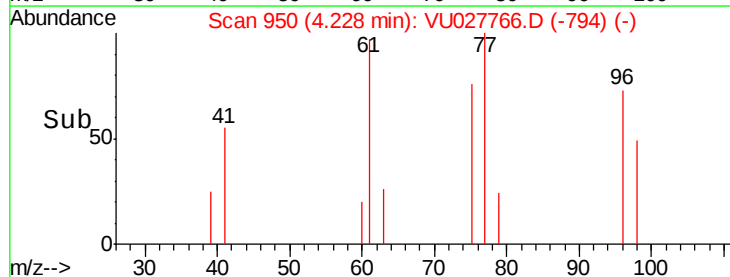
600

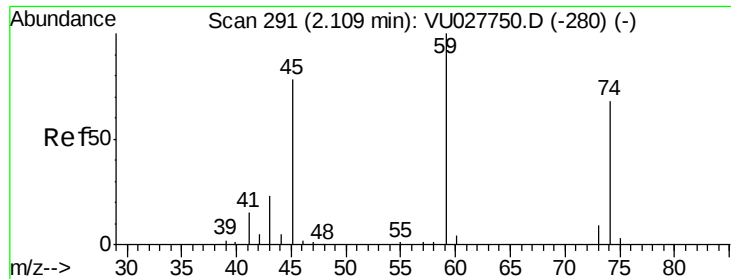
400

200

0

Time--> 4.20 4.25

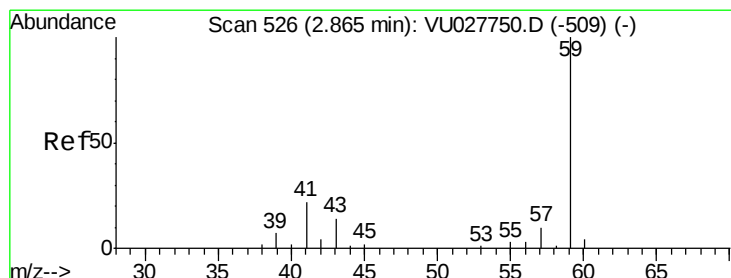
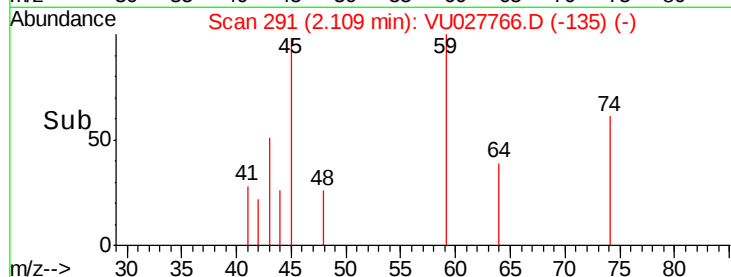
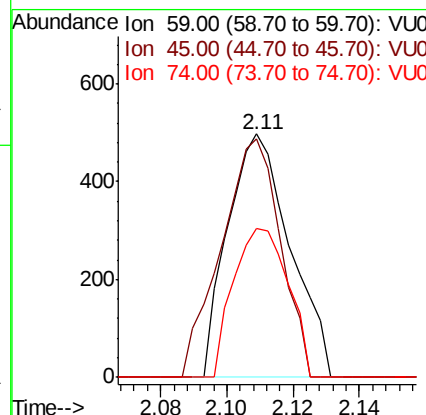
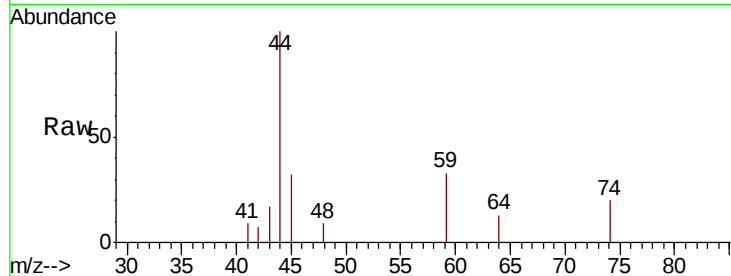




#23
 Diethyl Ether
 Concen: 0.269 ug/l
 RT: 2.11 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

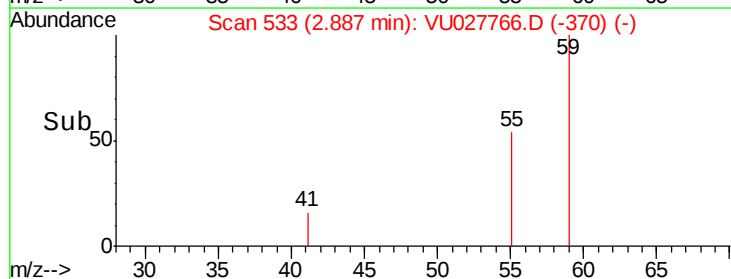
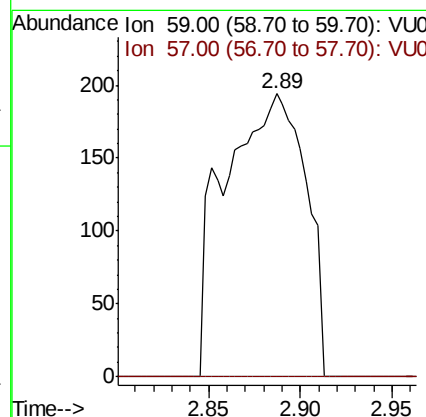
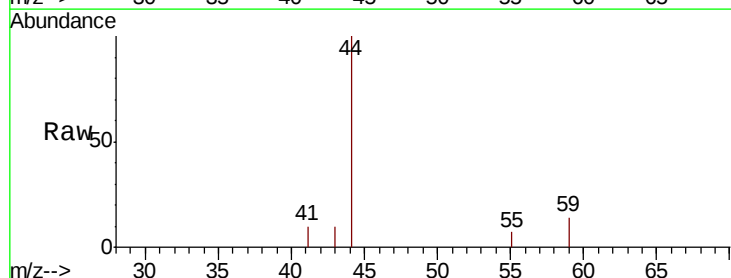
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

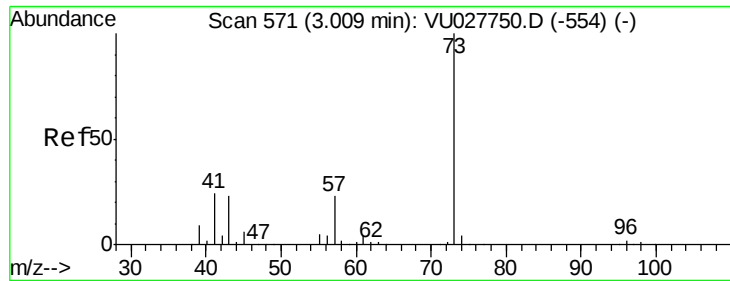
Tot Ion: 59 Resp: 650
 Ion Ratio Lower Upper
 59 100
 45 92.8 64.6 96.8
 74 53.4 54.8 82.2#



#24
 tert-Butyl Alcohol
 Concen: 2.293 ug/l m
 RT: 2.89 min Scan# 533
 Delta R.T. 0.02 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion: 59 Resp: 591
 Ion Ratio Lower Upper
 59 100
 57 52.8 4.4 6.6#



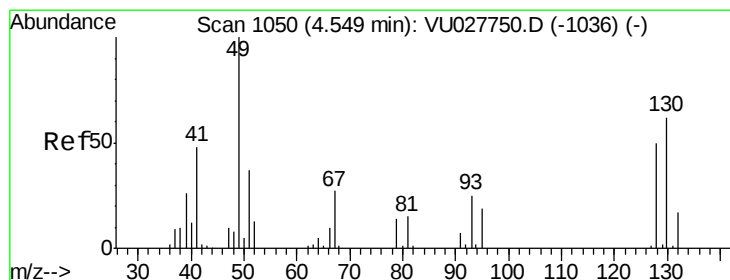
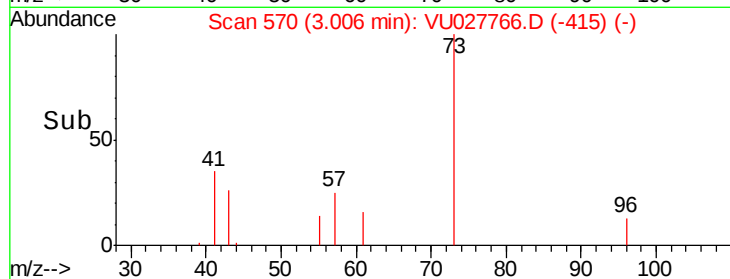
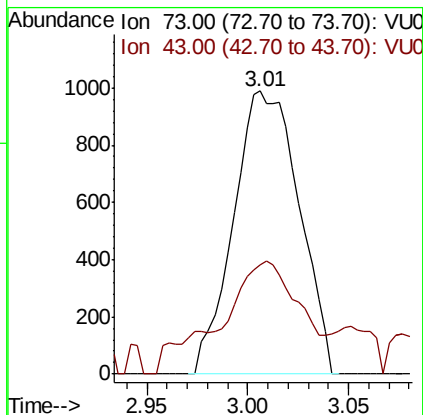
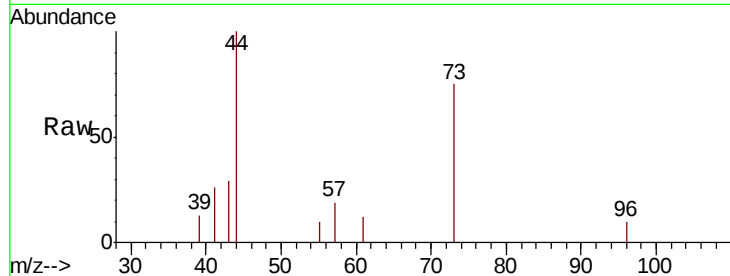


#25

Methyl tert-Butyl Ether
 Concen: 0.276 ug/l
 RT: 3.01 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

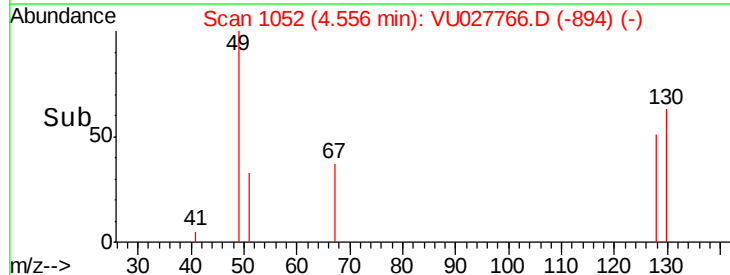
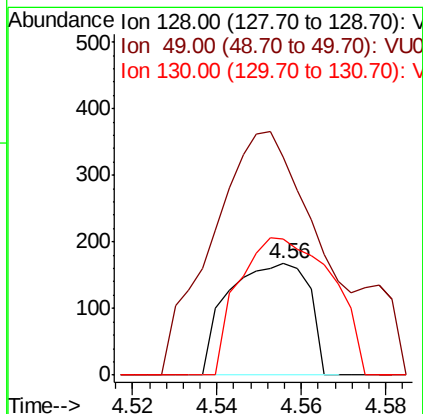
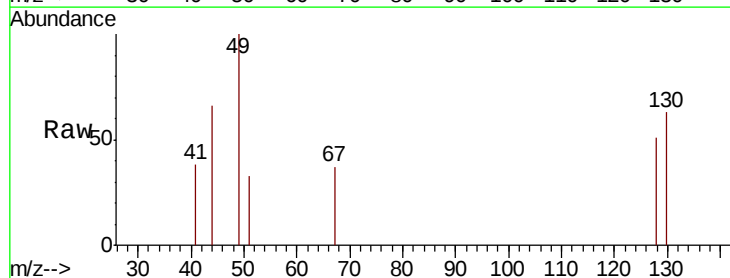
Tot Ion: 73 Resp: 2237
 Ion Ratio Lower Upper
 73 100
 43 49.3 18.6 27.8#

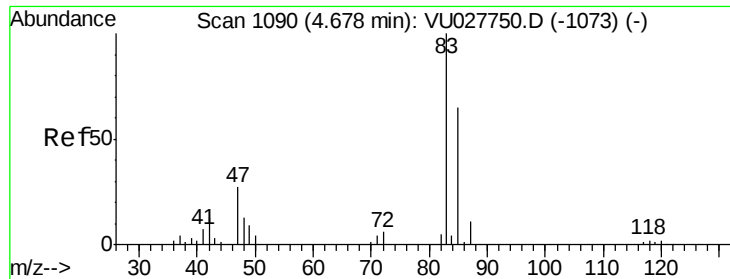


#26

Bromochloromethane
 Concen: 0.163 ug/l
 RT: 4.56 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion: 128 Resp: 222
 Ion Ratio Lower Upper
 128 100
 49 314.4 0.0 427.6
 130 142.3 103.4 155.0





#27

Chloroform

Concen: 0.272 ug/l

RT: 4.68 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

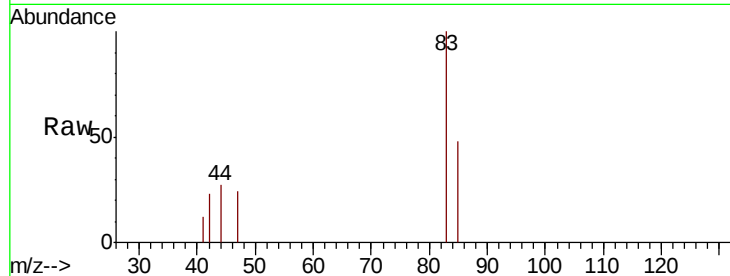
MDL-WATER-03-QT4-2018

Tot Ion: 83 Resp: 1656

Ion Ratio Lower Upper

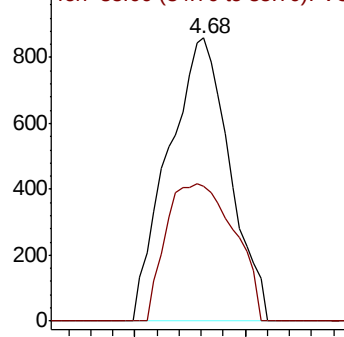
83 100

85 47.6 0.0 130.2

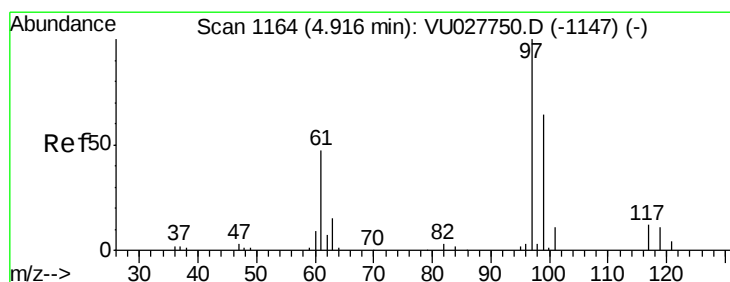
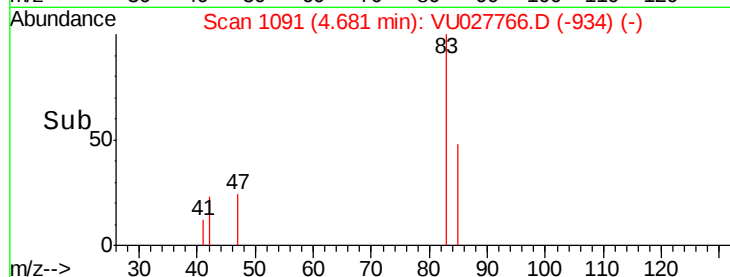


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



Time-->



#28

1,1,1-Trichloroethane

Concen: 0.230 ug/l m

RT: 4.92 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

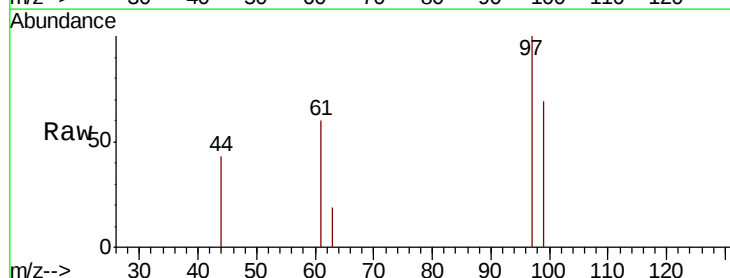
Tgt Ion: 97 Resp: 1247

Ion Ratio Lower Upper

97 100

99 66.1 31.8 95.4

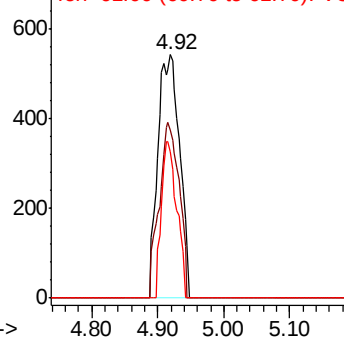
61 45.2 23.6 70.8



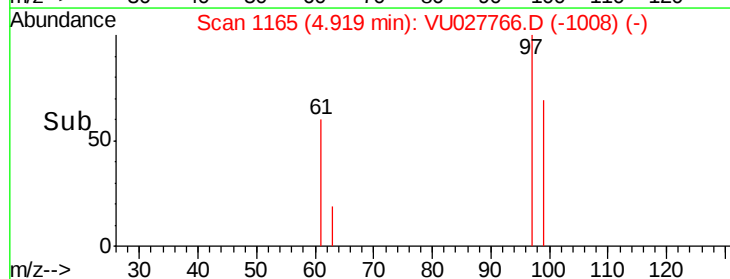
Abundance Ion 97.00 (96.70 to 97.70): VU0

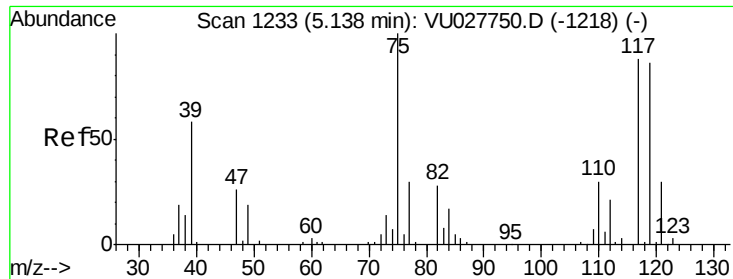
Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



Time-->

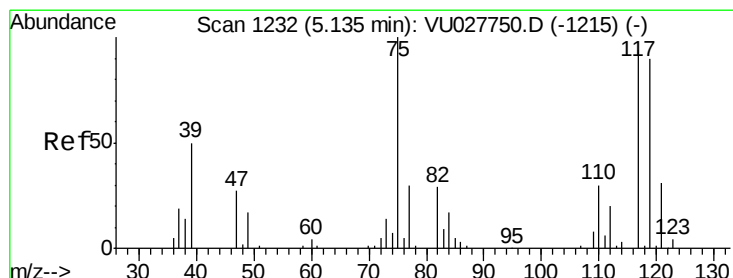
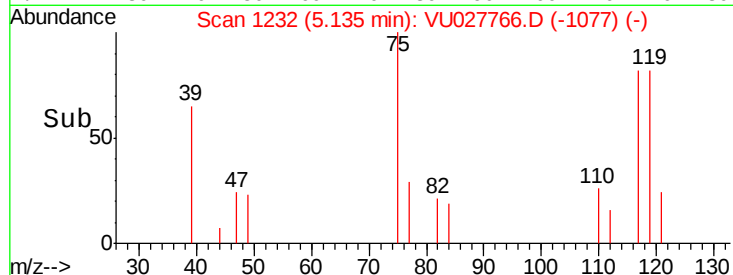
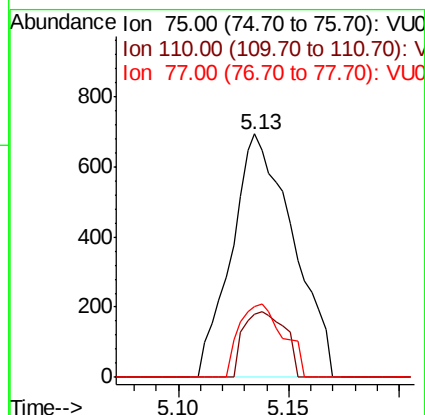
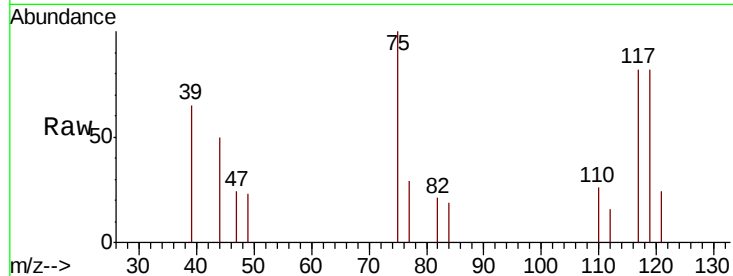




#29
 1,1-Dichloropropene
 Concen: 0.283 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

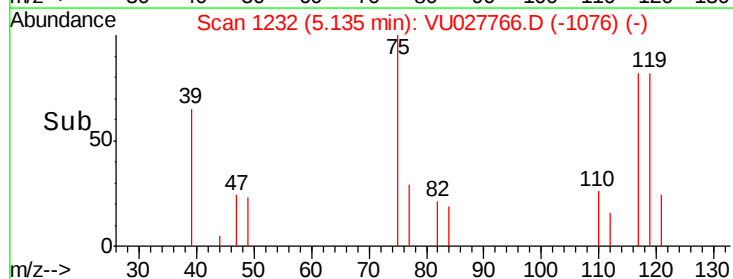
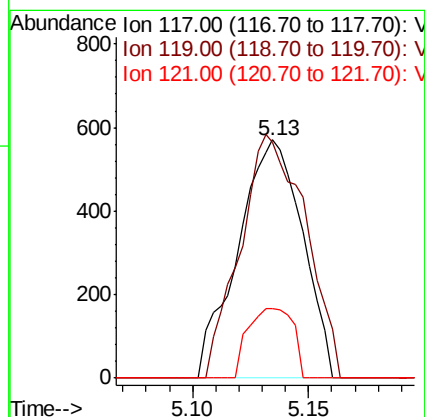
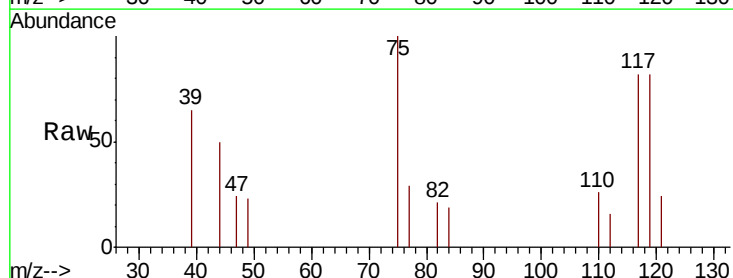
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

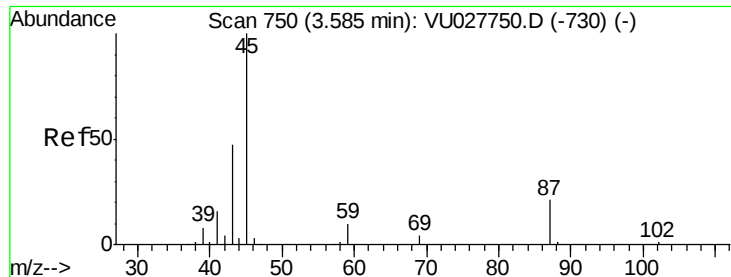
Tot Ion: 75 Resp: 1336
 Ion Ratio Lower Upper
 75 100
 110 18.3 15.6 46.8
 77 21.9 24.5 36.7#



#30
 Carbon Tetrachloride
 Concen: 0.229 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion: 117 Resp: 1106
 Ion Ratio Lower Upper
 117 100
 119 99.3 76.2 114.4
 121 29.3 26.4 39.6





#31

Isopropyl Ether

Concen: 0.268 ug/l

RT: 3.58 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

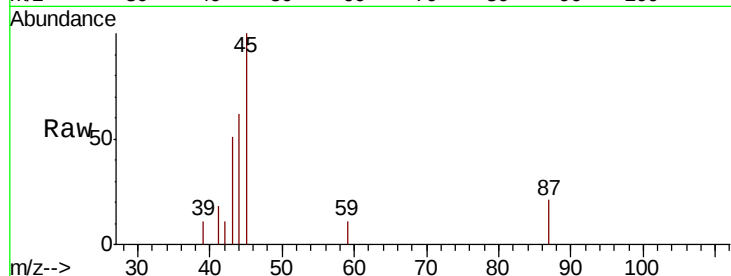
MDL-WATER-03-QT4-2018

Tot Ion: 45 Resp: 3016

Ion Ratio Lower Upper

45 100

43 64.8 24.5 73.5



Abundance Ion 45.00 (44.70 to 45.70): VU027750.D (-730) (-)

Ion 43.00 (42.70 to 43.70): VU027750.D (-730) (-)

3.58

1500

1000

500

0

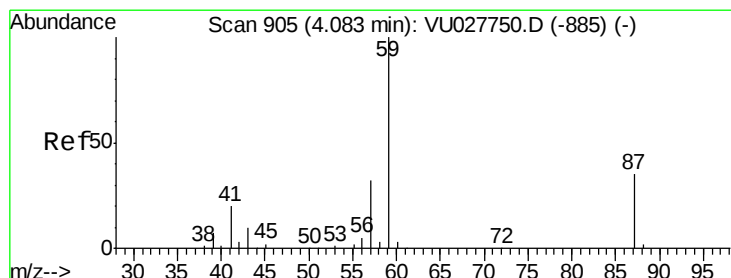
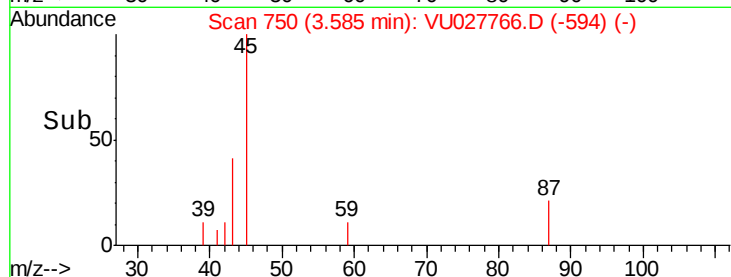
Time-->

3.50

3.55

3.60

3.65



#32

Ethyl-t-butyl ether

Concen: 0.263 ug/l

RT: 4.08 min Scan# 905

Delta R.T. 0.00 min

Lab File: VU027766.D

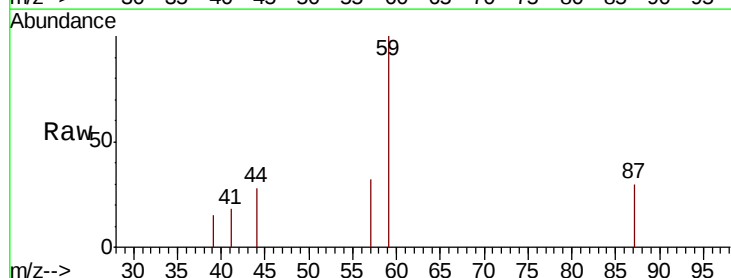
Acq: 23 Oct 2018 16:33

Tgt Ion: 59 Resp: 2628

Ion Ratio Lower Upper

59 100

87 20.1 29.4 44.0#



Abundance Ion 59.00 (58.70 to 59.70): VU027750.D (-885) (-)

Ion 87.00 (86.70 to 87.70): VU027750.D (-885) (-)

4.08

1200

1000

800

600

400

200

0

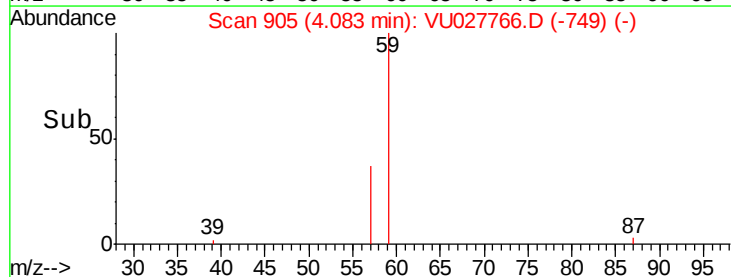
Time-->

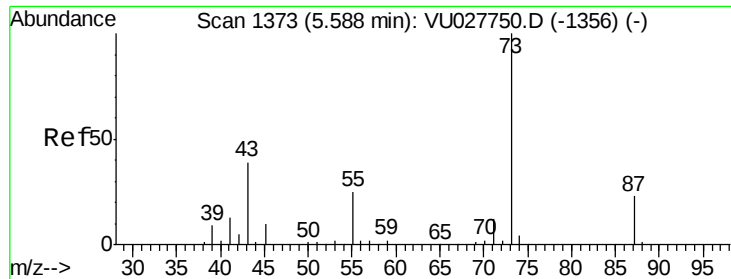
4.00

4.05

4.10

4.15

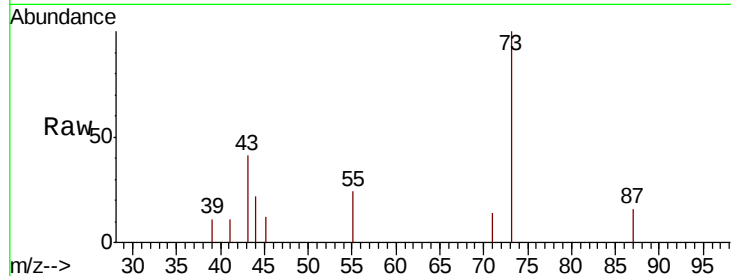




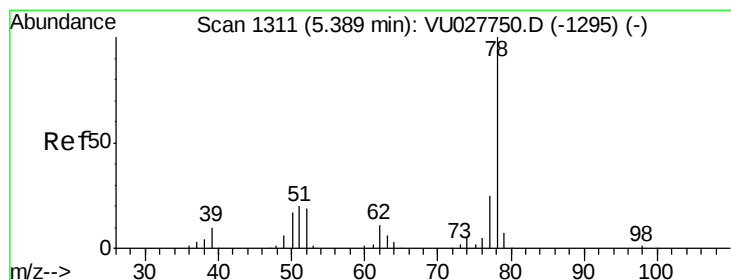
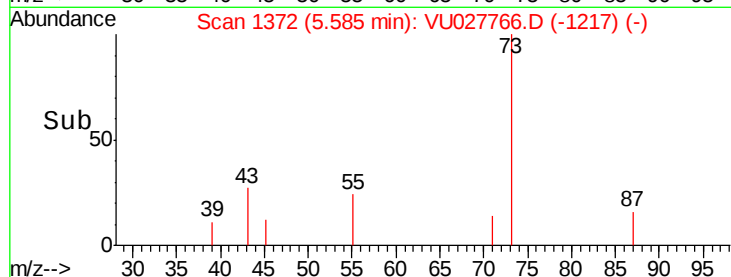
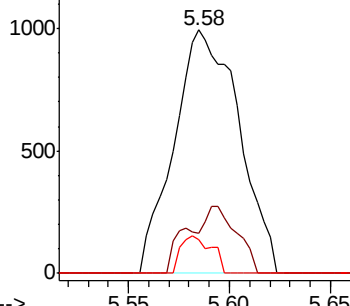
#33
Tert-Butyl methyl ether
Concen: 0.263 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion: 73 Resp: 2228
Ion Ratio Lower Upper
73 100
87 7.1 18.5 27.7#
71 7.4 9.1 13.7#

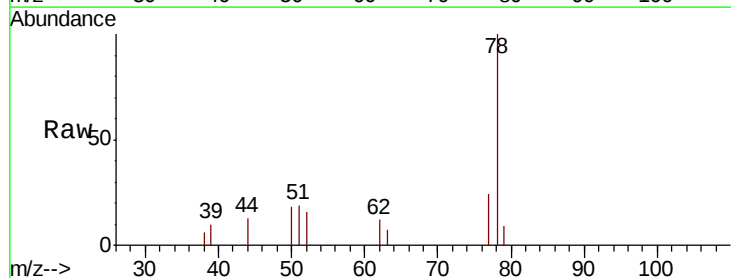


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

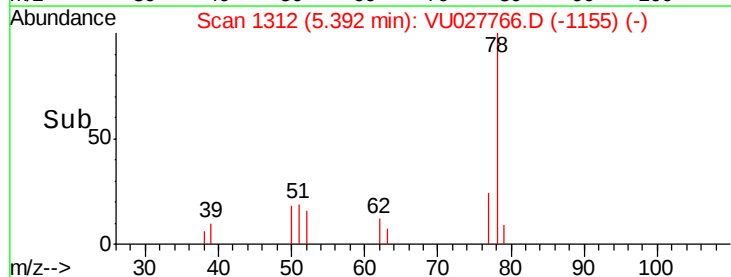
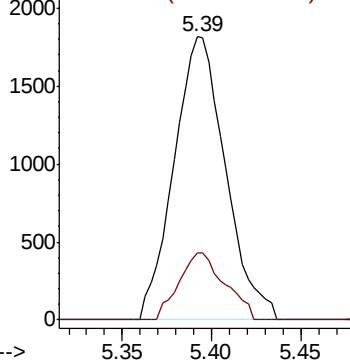


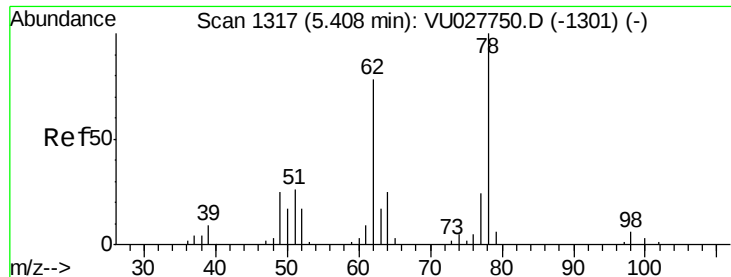
#35
Benzene
Concen: 0.276 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion: 78 Resp: 3648
Ion Ratio Lower Upper
78 100
77 23.7 19.9 29.9



Abundance Ion 78.10 (77.80 to 78.80): VU0
Ion 77.00 (76.70 to 77.70): VU0

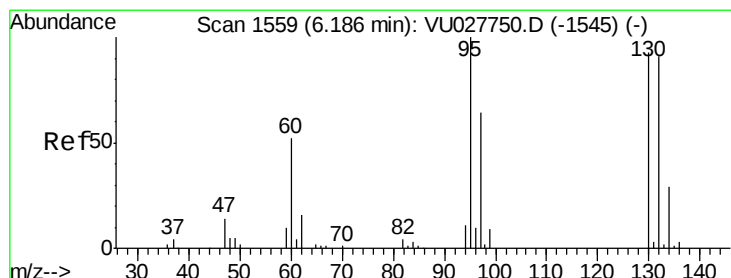
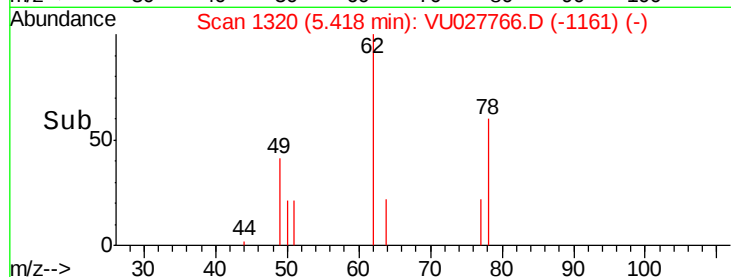
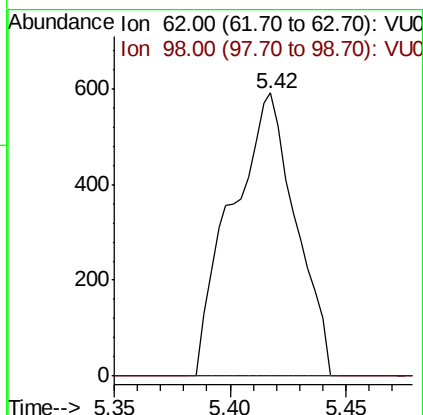
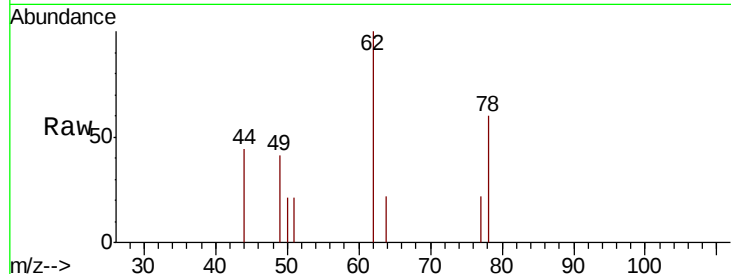




#36
1,2-Dichloroethane
Concen: 0.258 ug/l
RT: 5.42 min Scan# 1320
Delta R.T. 0.01 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

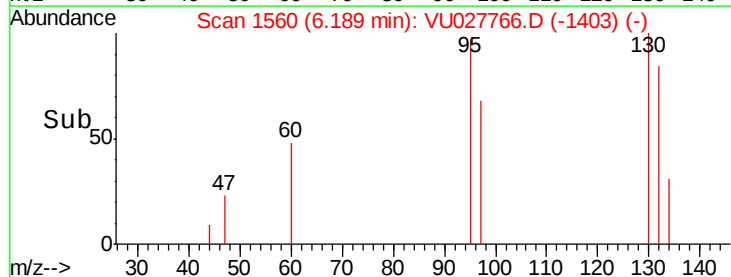
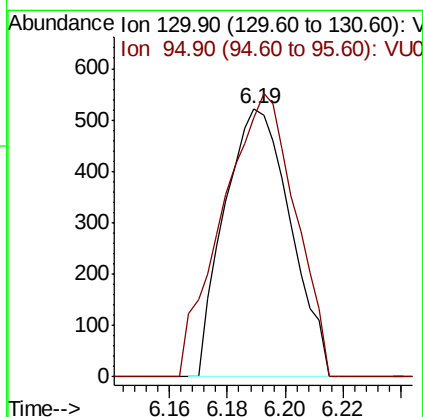
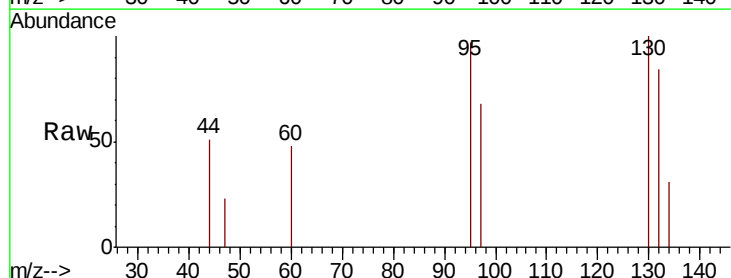
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

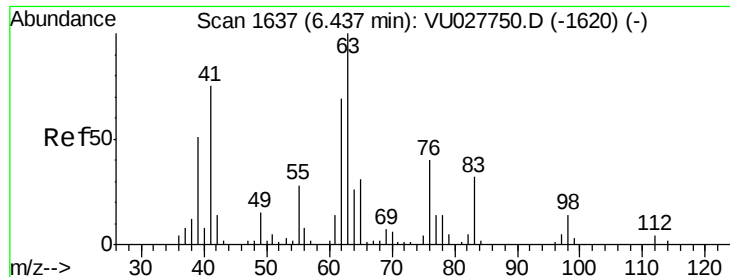
Tot Ion: 62 Resp: 1135
Ion Ratio Lower Upper
62 100
98 0.0 5.8 8.6#



#37
Trichloroethene
Concen: 0.252 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion: 130 Resp: 822
Ion Ratio Lower Upper
130 100
95 96.7 86.4 129.6





#38

1,2-Dichloropropane

Concen: 0.239 ug/l

RT: 6.44 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

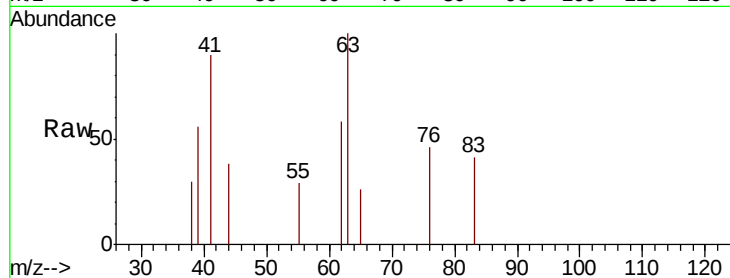
MDL-WATER-03-QT4-2018

Tot Ion: 63 Resp: 886

Ion Ratio Lower Upper

63 100

65 26.5 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

6.44

500

400

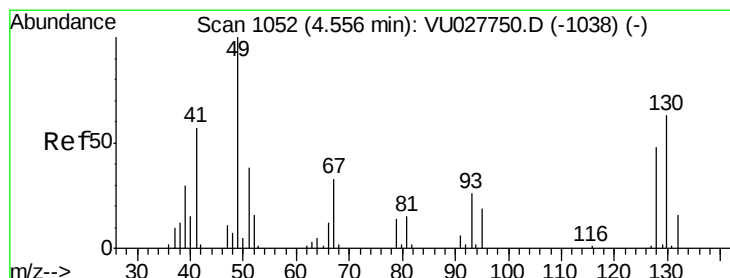
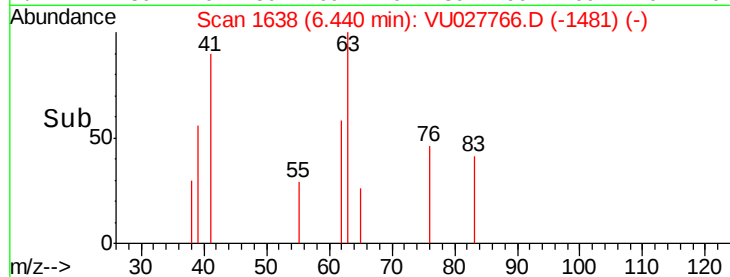
300

200

100

0

Time-->



#39

Methacrylonitrile

Concen: 0.237 ug/l m

RT: 4.57 min Scan# 1057

Delta R.T. 0.02 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Tgt Ion: 41 Resp: 366

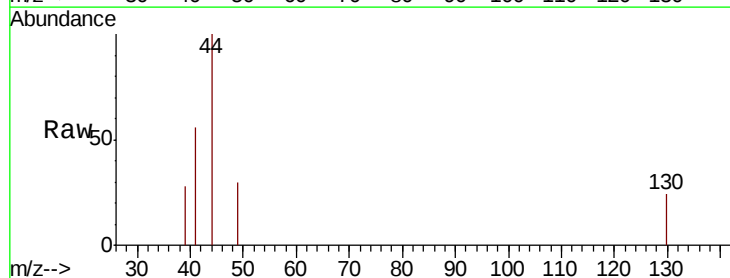
Ion Ratio Lower Upper

41 100

67 23.2 46.1 69.1#

39 0.0 43.6 65.4#

52 0.0 21.4 32.2#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

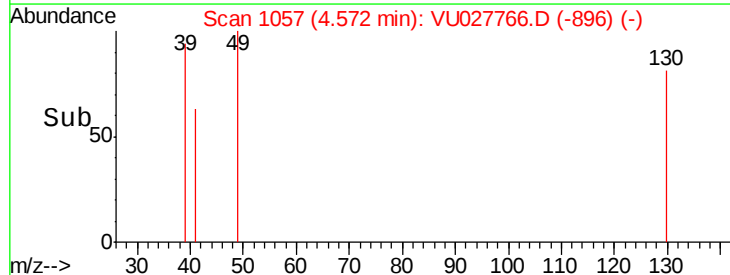
300

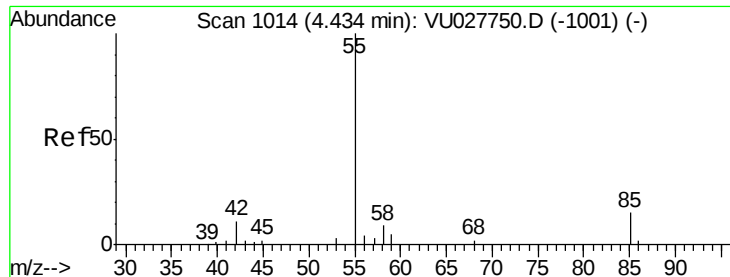
200

100

0

Time-->

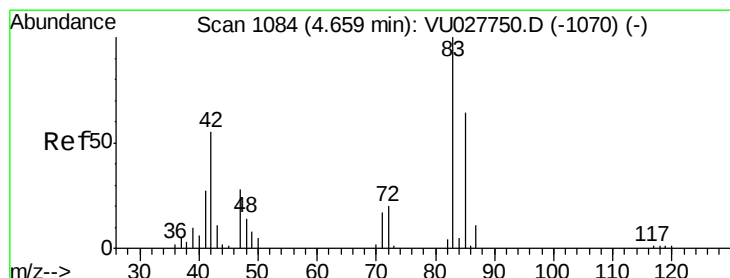
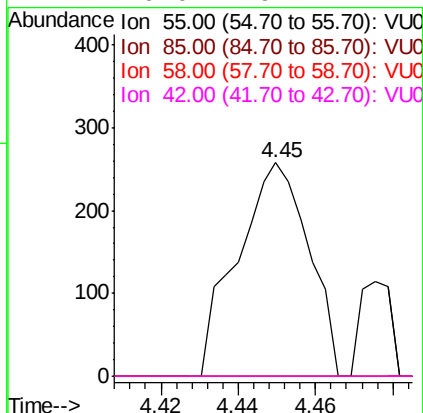
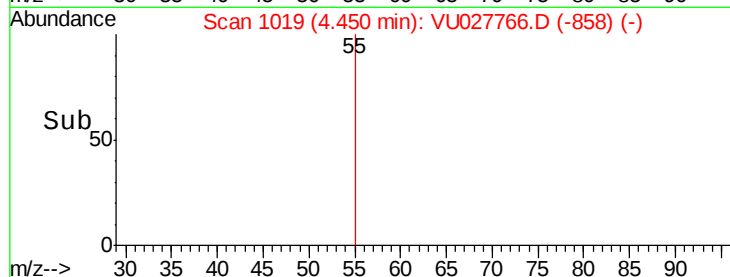
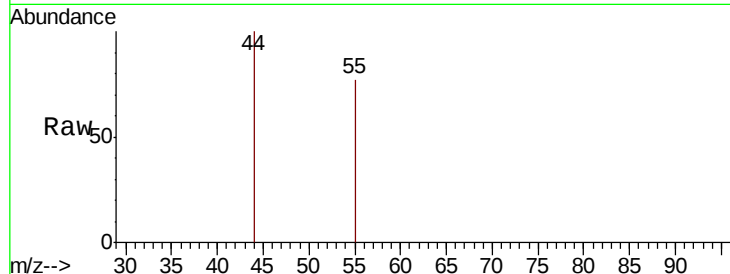




#40
Methyl acrylate
Concen: 0.164 ug/l
RT: 4.45 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

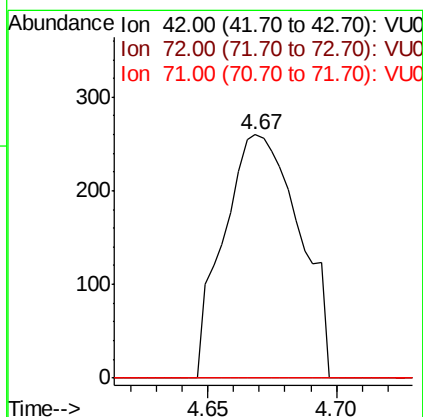
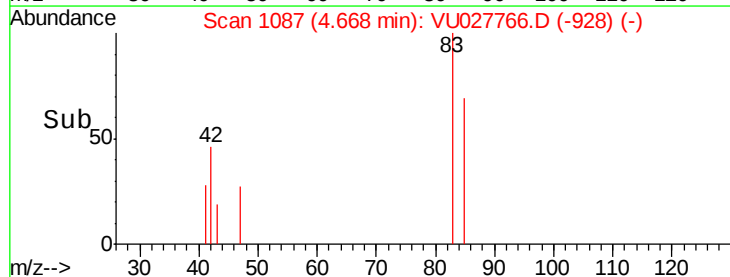
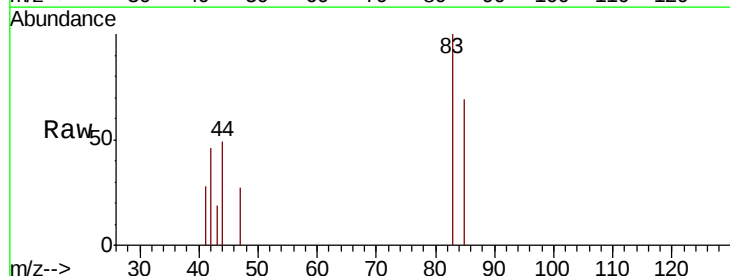
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

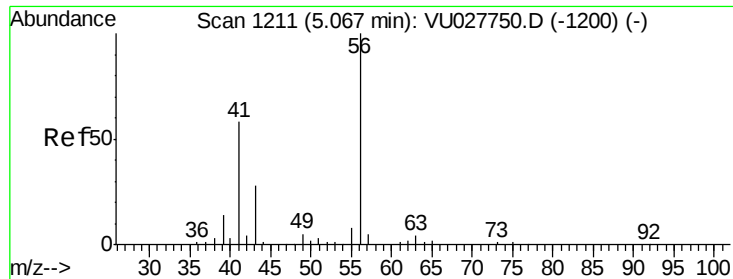
Tot Ion:	55	Resp:	330
Ion	Ratio	Lower	Upper
55	100		
85	0.0	11.8	17.6#
58	0.0	7.0	10.4#
42	0.0	9.4	14.2#



#41
Tetrahydrofuran
Concen: 0.621 ug/l
RT: 4.67 min Scan# 1087
Delta R.T. 0.01 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion:	42	Resp:	530
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.6	45.8#
71	0.0	25.2	37.8#

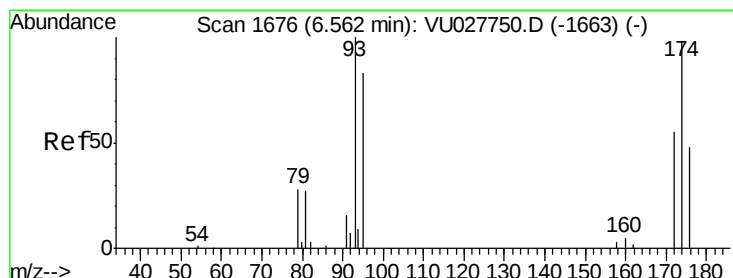
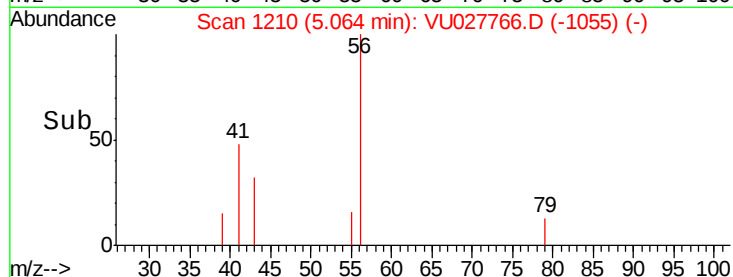
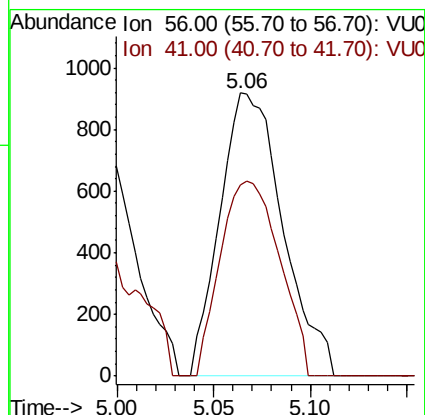
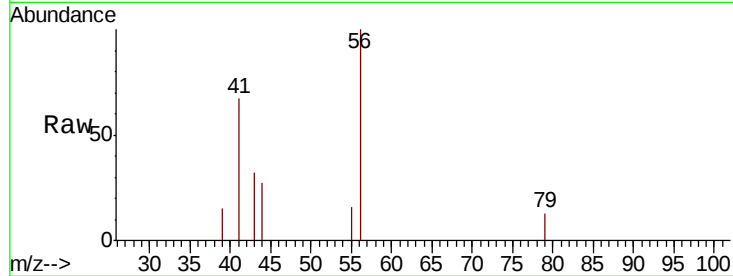




#42
1-Chlorobutane
Concen: 0.280 ug/l
RT: 5.06 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

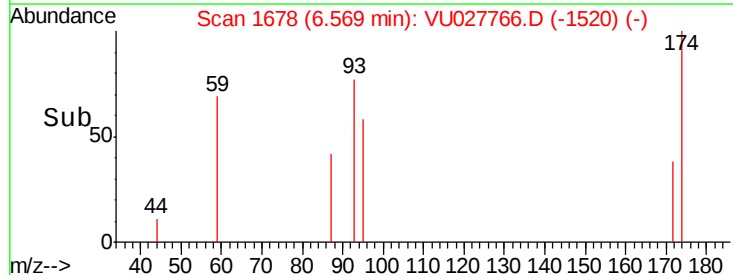
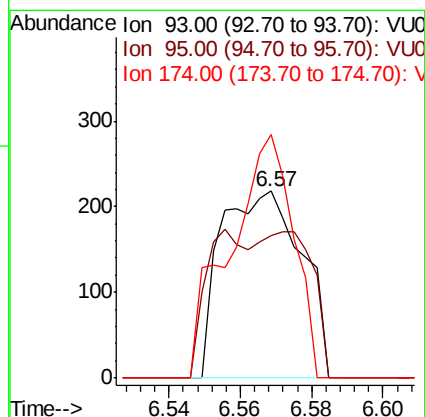
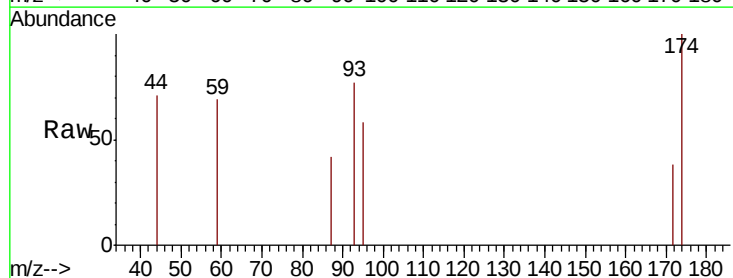
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

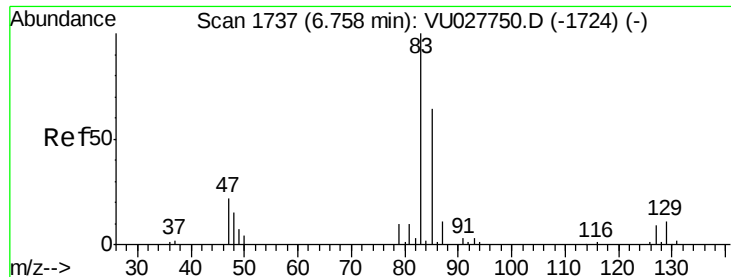
Tot Ion: 56 Resp: 2086
Ion Ratio Lower Upper
56 100
41 64.7 29.4 88.2



#43
Dibromomethane
Concen: 0.202 ug/l
RT: 6.57 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion: 93 Resp: 341
Ion Ratio Lower Upper
93 100
95 41.6 64.2 96.2#
174 102.1 76.7 115.1

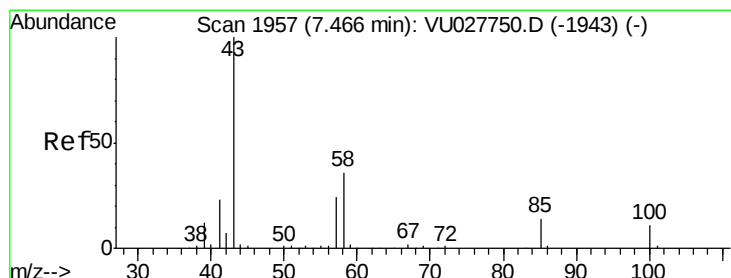
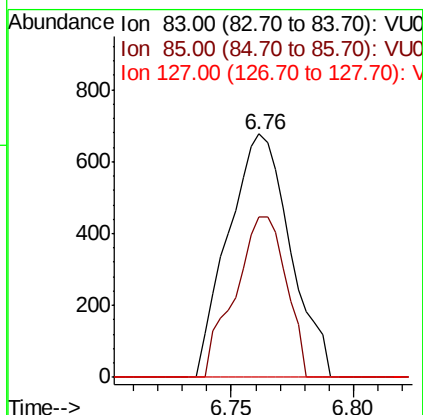
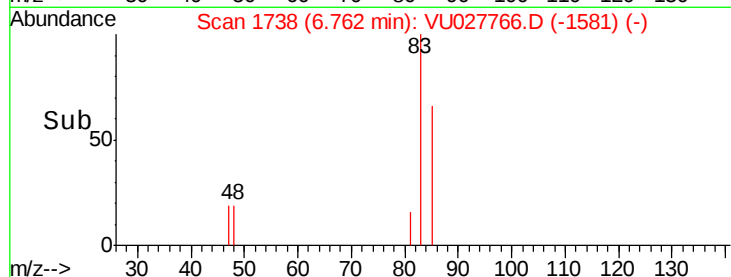
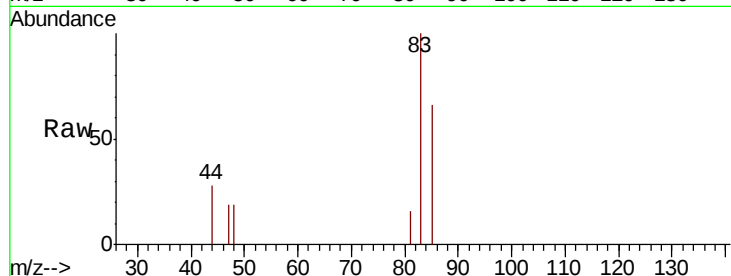




#44
 Bromodichloromethane
 Concen: 0.260 ug/l
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

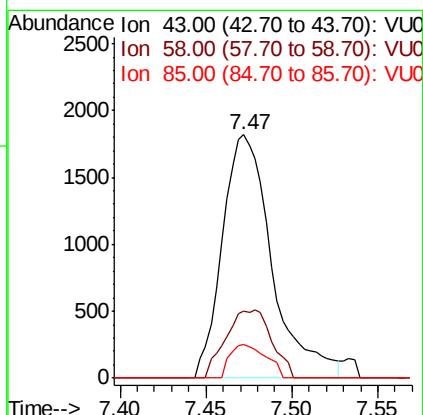
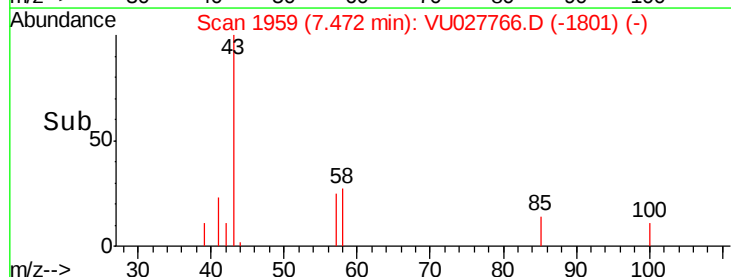
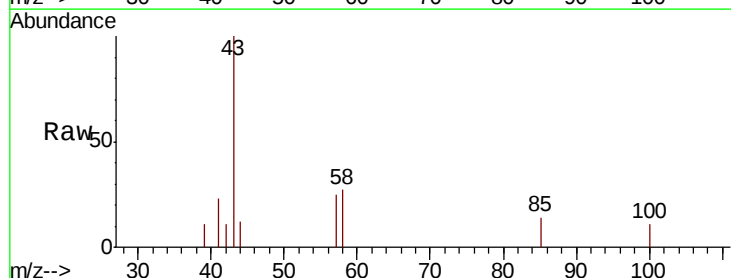
Instrument :
 MSVOA_U
 ClientSampleId :
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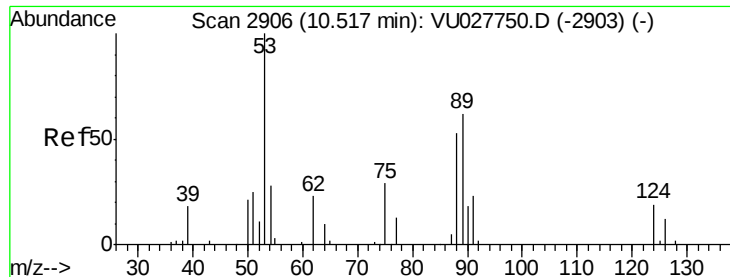
Tot Ion: 83 Resp: 1192
 Ion Ratio Lower Upper
 83 100
 85 66.0 51.5 77.3
 127 0.0 7.0 10.4#



#45
 4-Methyl-2-Pentanone
 Concen: 1.338 ug/l
 RT: 7.47 min Scan# 1959
 Delta R.T. 0.01 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion: 43 Resp: 3660
 Ion Ratio Lower Upper
 43 100
 58 25.6 17.9 53.8
 85 10.0 11.4 17.0#

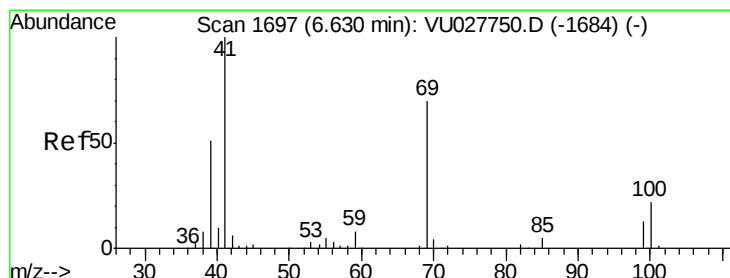
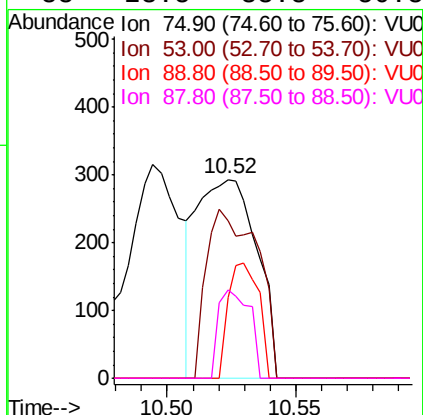
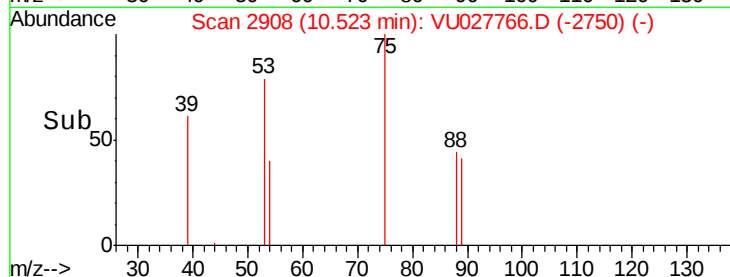
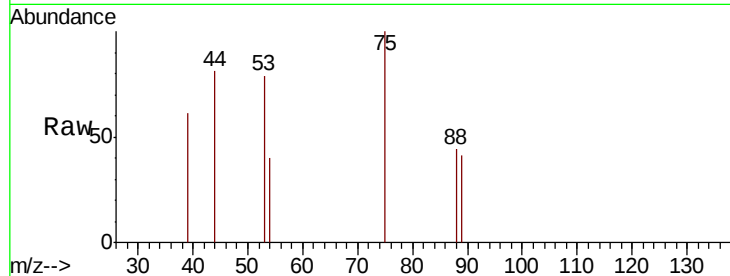




#46
t-1,4-Dichloro-2-butene
Concen: 0.478 ug/l m
RT: 10.52 min Scan# 2908
Delta R.T. 0.01 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

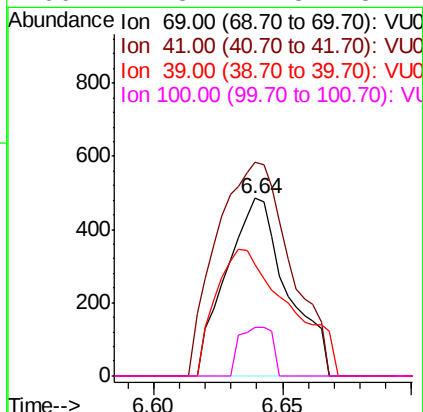
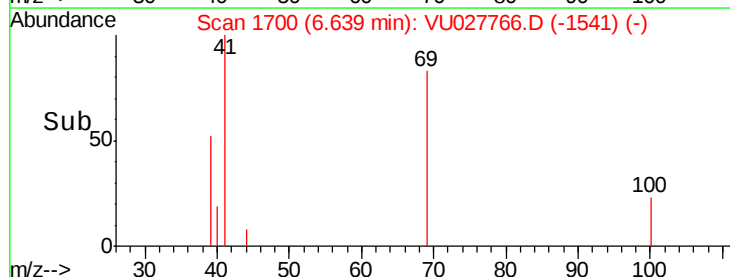
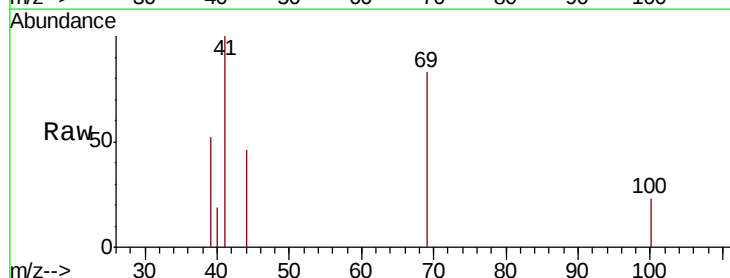
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

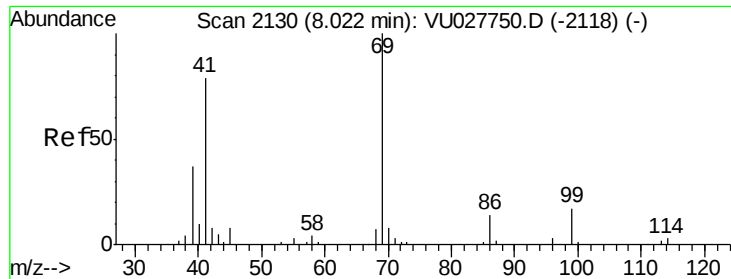
Tot Ion: 75 Resp: 472
Ion Ratio Lower Upper
75 100
53 73.1 68.2 102.4
89 29.9 41.8 62.6#
88 23.5 33.8 50.8#



#47
Methyl methacrylate
Concen: 0.452 ug/l
RT: 6.64 min Scan# 1700
Delta R.T. 0.01 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion: 69 Resp: 803
Ion Ratio Lower Upper
69 100
41 144.3 0.0 281.2
39 85.6 58.6 88.0
100 14.8 24.8 37.2#

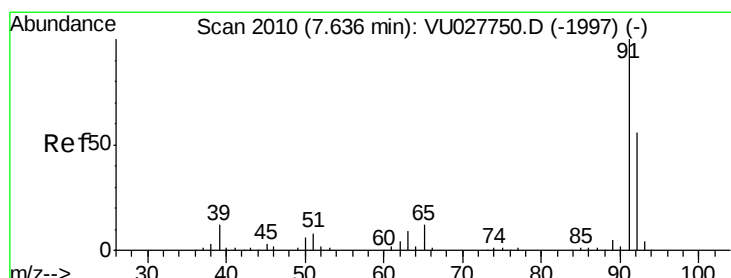
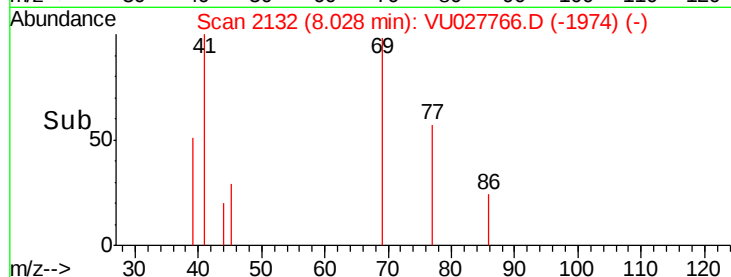
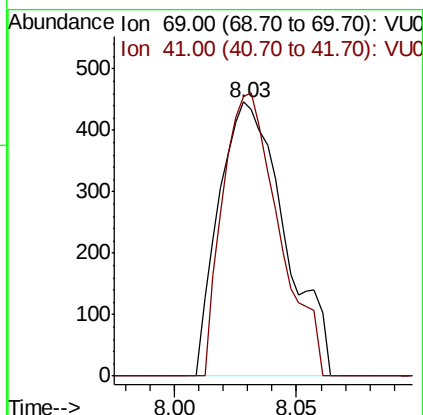
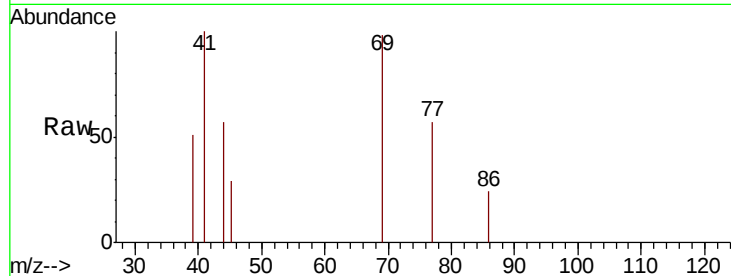




#48
Ethyl methacrylate
Concen: 0.226 ug/l
RT: 8.03 min Scan# 2132
Delta R.T. 0.01 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

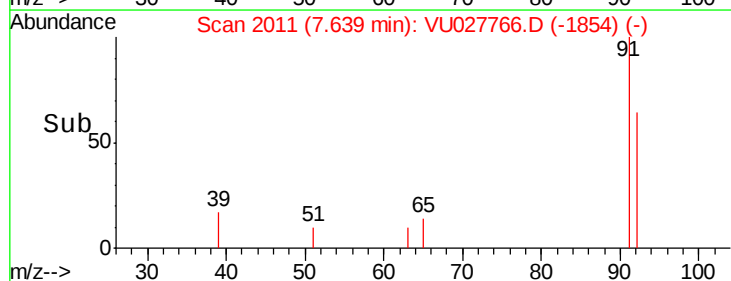
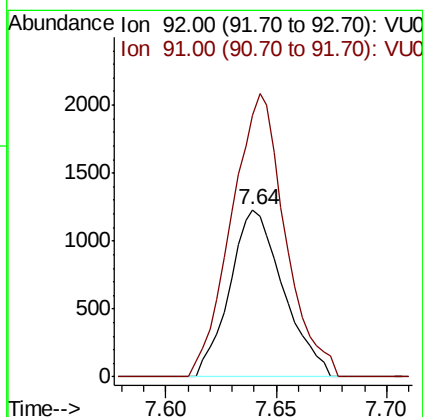
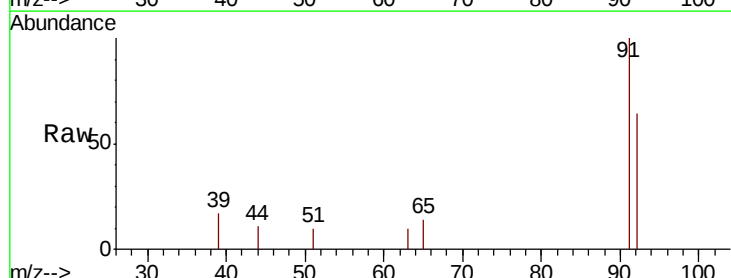
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

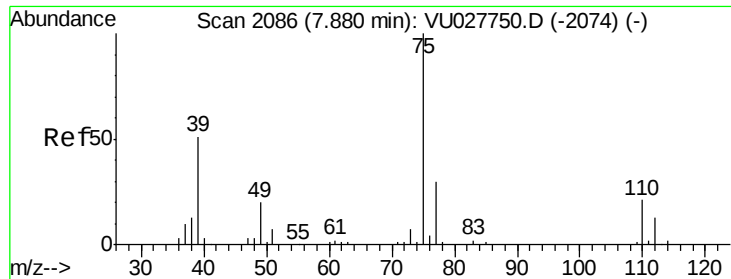
Tot Ion: 69 Resp: 835
Ion Ratio Lower Upper
69 100
41 88.3 39.1 117.2



#49
Toluene
Concen: 0.265 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion: 92 Resp: 2074
Ion Ratio Lower Upper
92 100
91 170.6 141.8 212.8

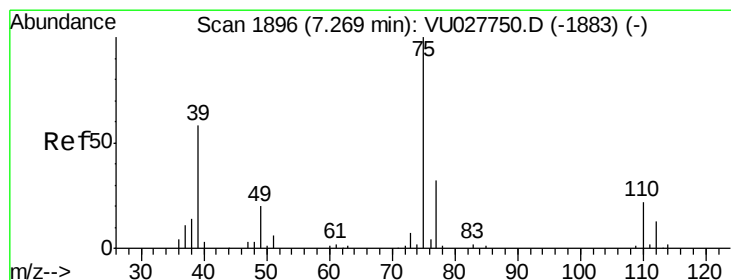
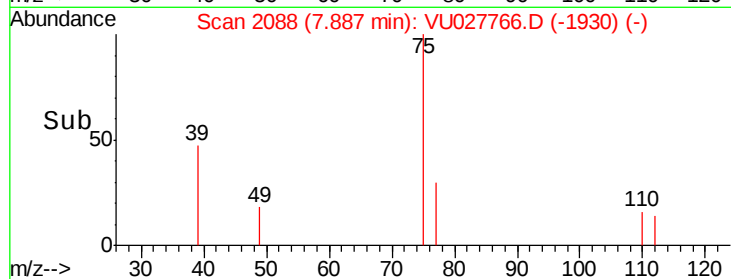
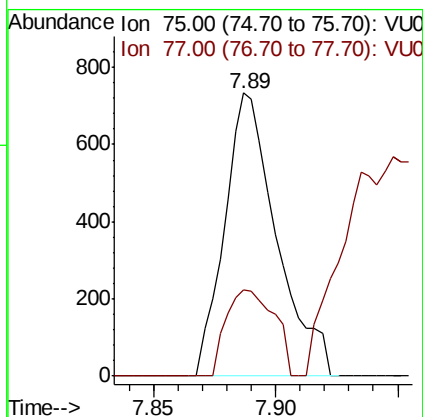
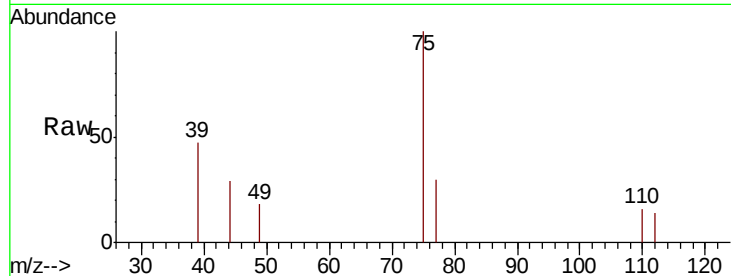




#50
t-1,3-Dichloropropene
Concen: 0.238 ug/l
RT: 7.89 min Scan# 2088
Delta R.T. 0.01 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

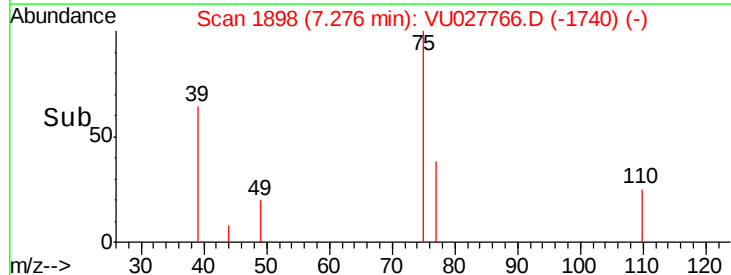
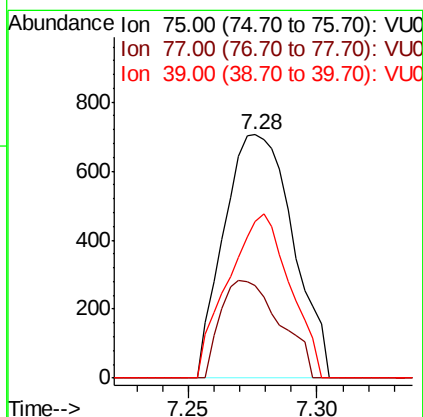
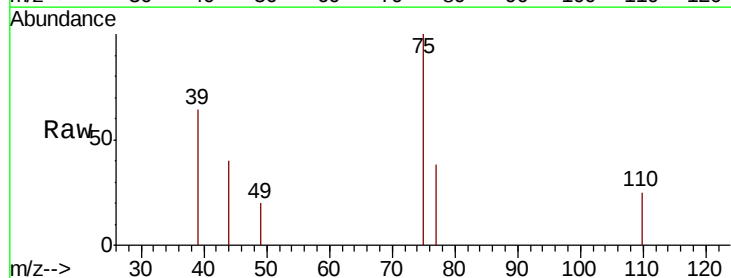
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

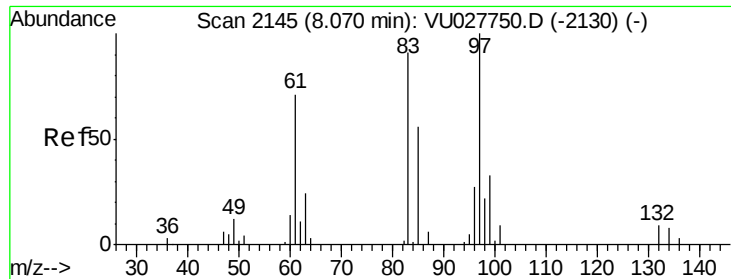
Tot Ion: 75 Resp: 1086
Ion Ratio Lower Upper
75 100
77 30.3 24.1 36.1



#51
cis-1,3-Dichloropropene
Concen: 0.246 ug/l
RT: 7.28 min Scan# 1898
Delta R.T. 0.01 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion: 75 Resp: 1319
Ion Ratio Lower Upper
75 100
77 38.2 25.3 37.9#
39 64.4 46.4 69.6

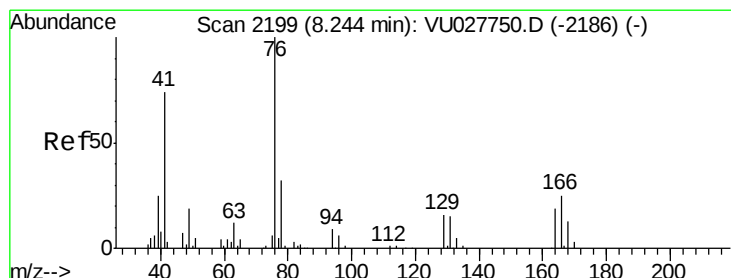
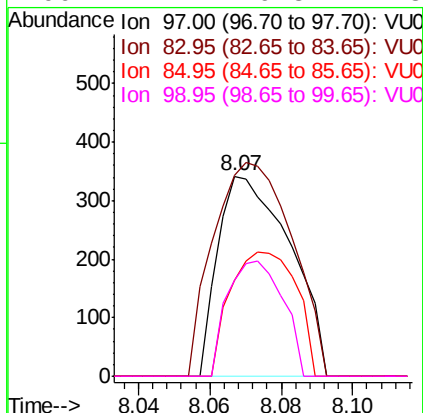
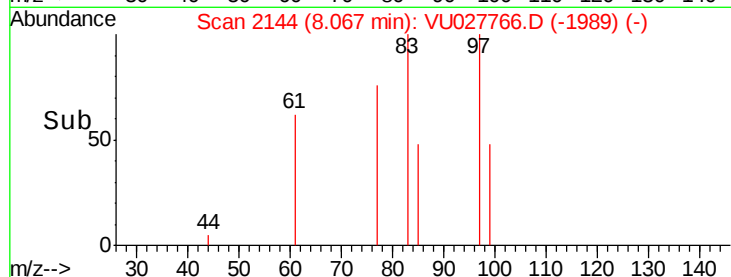
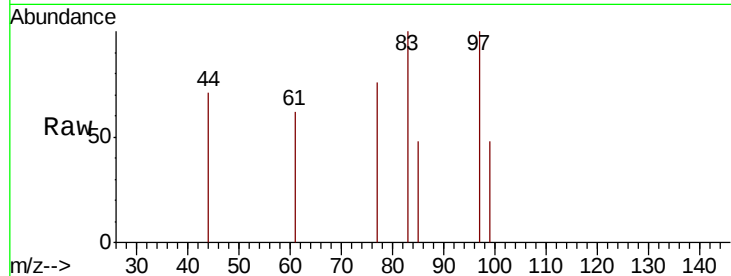




#52
 1,1,2-Trichloroethane
 Concen: 0.210 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

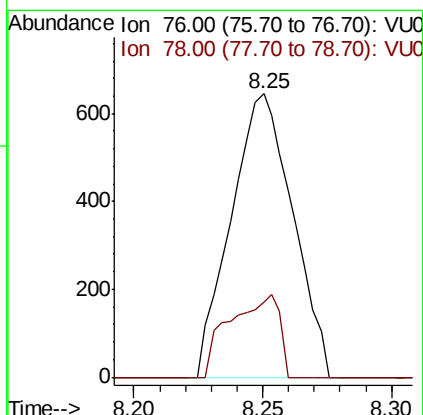
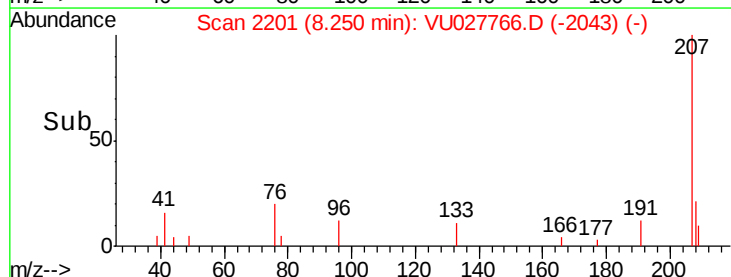
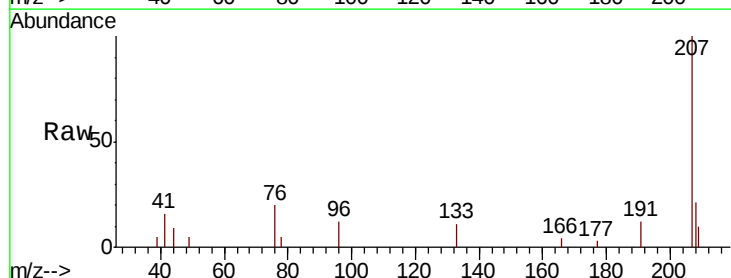
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

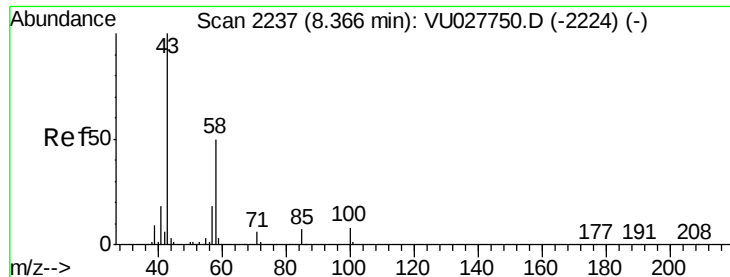
Tot Ion: 97 Resp: 478
 Ion Ratio Lower Upper
 97 100
 83 100.3 73.0 109.6
 85 47.7 46.5 69.7
 99 47.7 49.8 74.8#



#53
 1,3-Dichloropropane
 Concen: 0.246 ug/l
 RT: 8.25 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion: 76 Resp: 1075
 Ion Ratio Lower Upper
 76 100
 78 23.4 25.4 38.0#

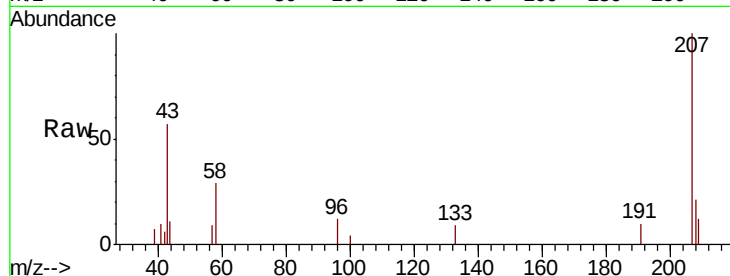




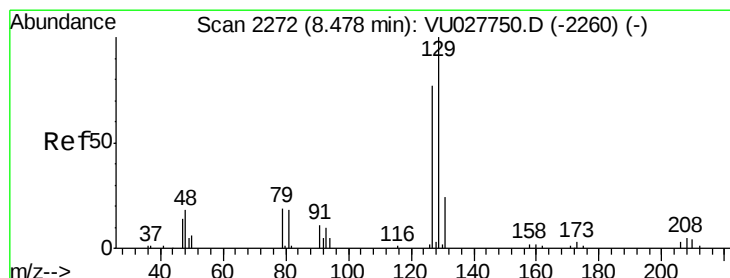
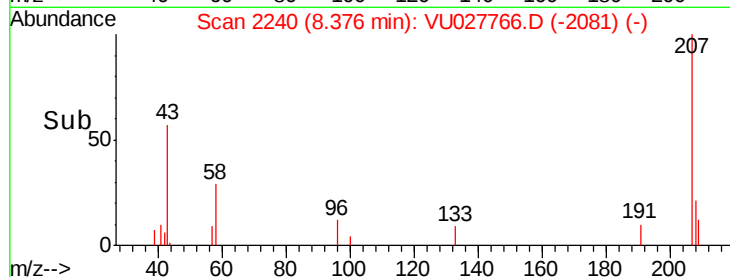
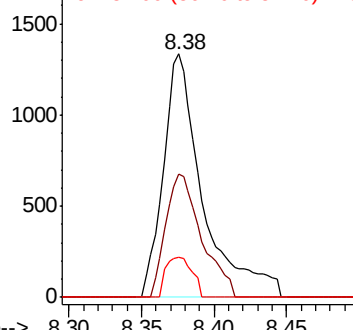
#54
2-Hexanone
Concen: 1.291 ug/l
RT: 8.38 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion: 43 Resp: 2517
Ion Ratio Lower Upper
43 100
58 45.8 30.0 70.0
57 10.8 0.0 37.7

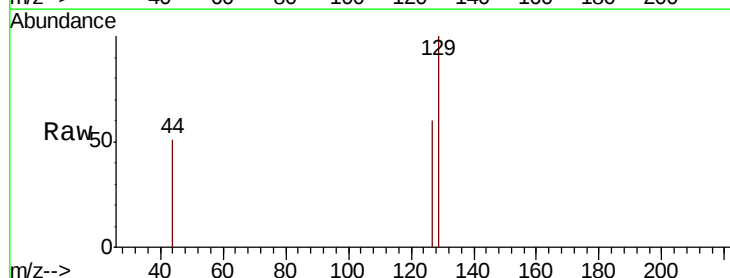


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

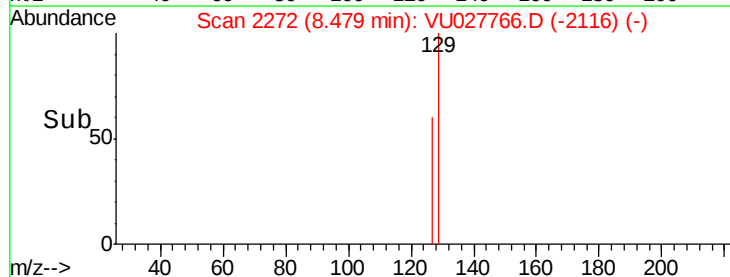
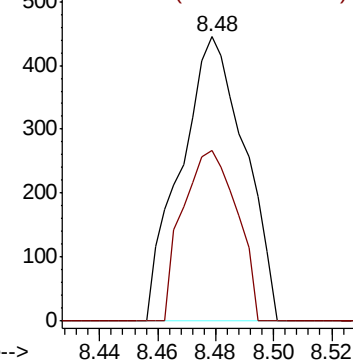


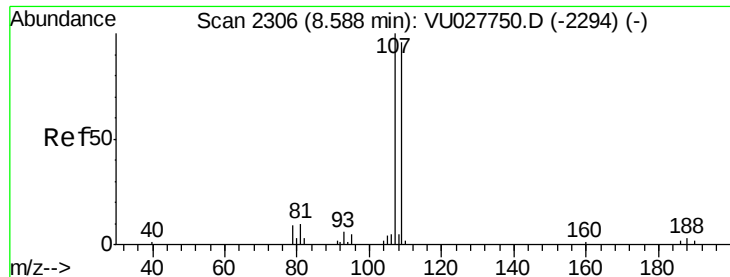
#55
Dibromochloromethane
Concen: 0.238 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion: 129 Resp: 682
Ion Ratio Lower Upper
129 100
127 50.4 61.9 92.9#



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

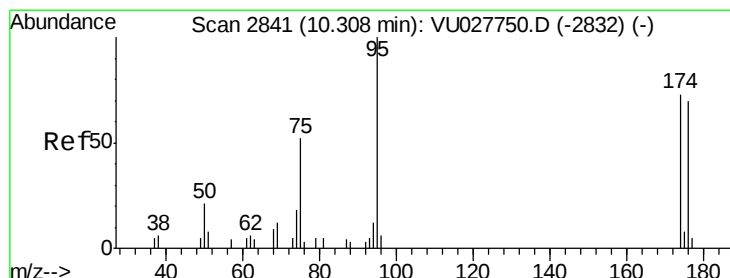
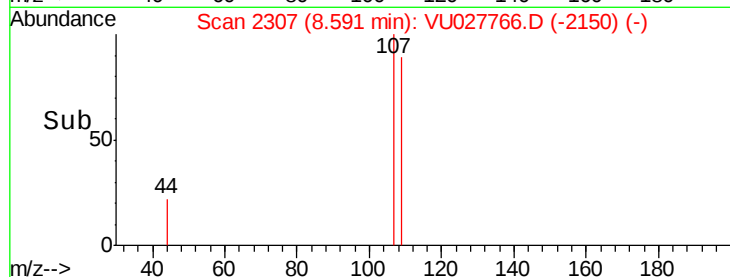
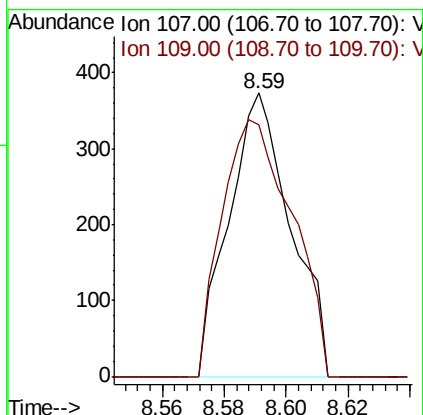
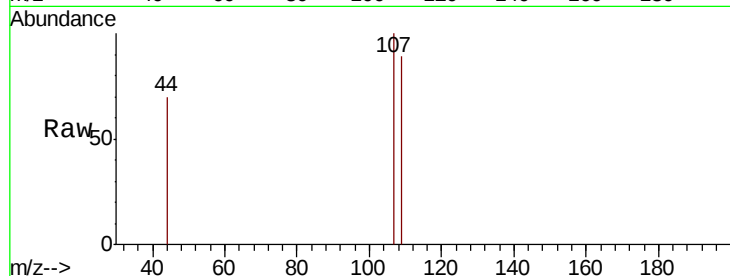




#56
 1,2-Dibromoethane
 Concen: 0.232 ug/l
 RT: 8.59 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

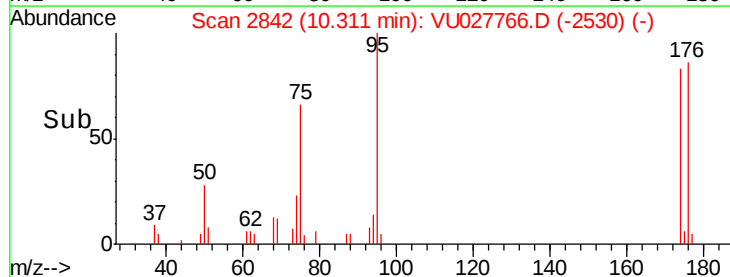
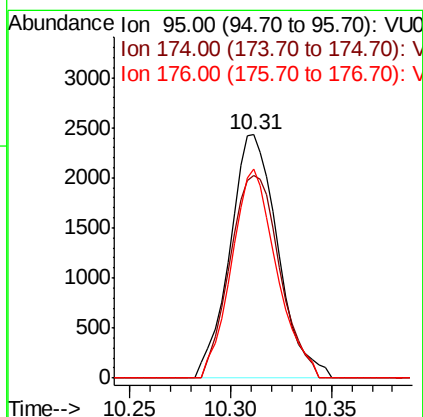
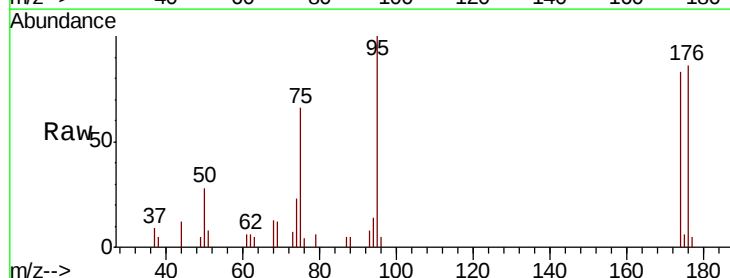
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

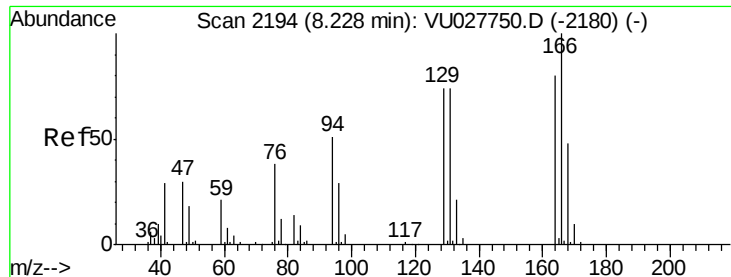
Tot Ion:107 Resp: 519
 Ion Ratio Lower Upper
 107 100
 109 103.1 0.0 188.4



#57
 4-Bromofluorobenzene
 Concen: 0.232 ug/l
 RT: 10.31 min Scan# 2842
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion: 95 Resp: 4043
 Ion Ratio Lower Upper
 95 100
 174 86.2 64.5 96.7
 176 80.7 58.3 87.5





#58

Tetrachloroethene

Concen: 0.237 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion:164 Resp: 729

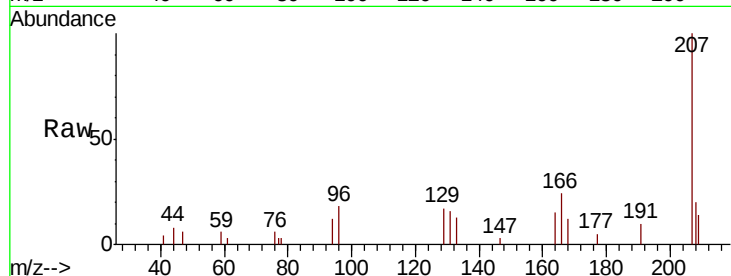
Ion Ratio Lower Upper

164 100

166 163.2 100.2 150.4#

129 114.4 73.7 110.5#

131 109.5 73.8 110.6

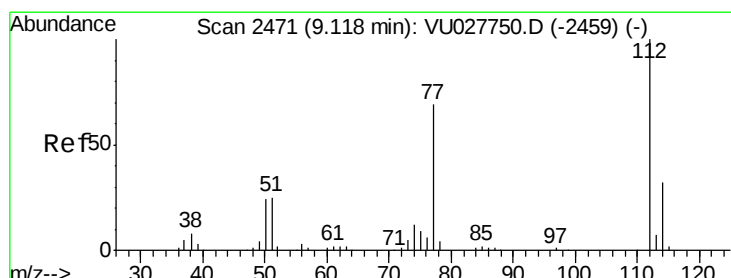
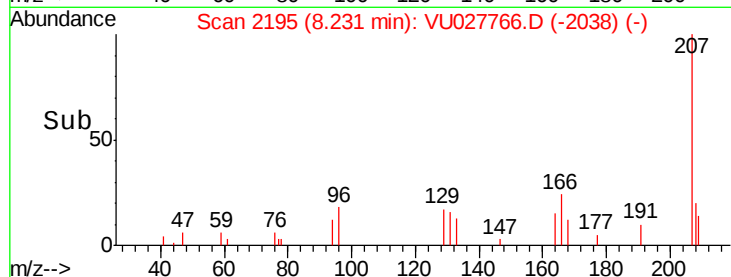
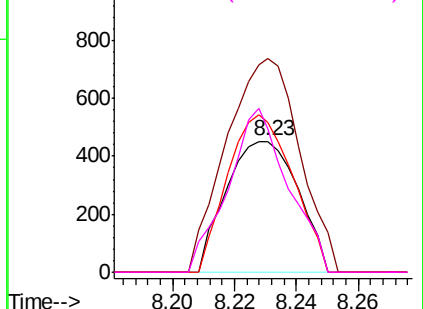


Abundance Ion 163.85 (163.55 to 164.55): V

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: 0.266 ug/l

RT: 9.12 min Scan# 2473

Delta R.T. 0.01 min

Lab File: VU027766.D

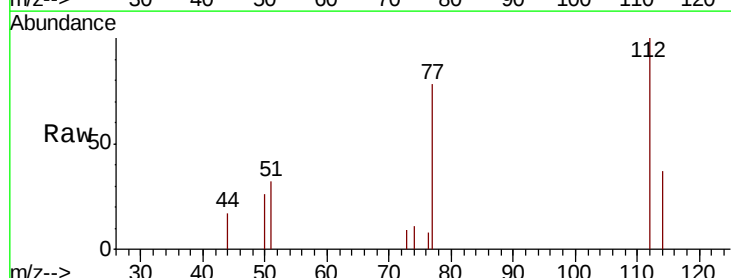
Acq: 23 Oct 2018 16:33

Tgt Ion:112 Resp: 2234

Ion Ratio Lower Upper

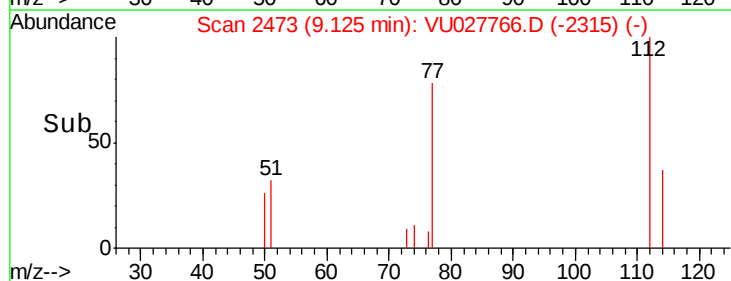
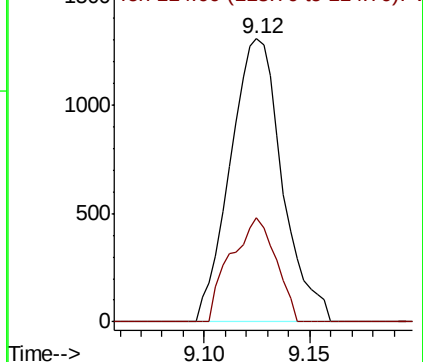
112 100

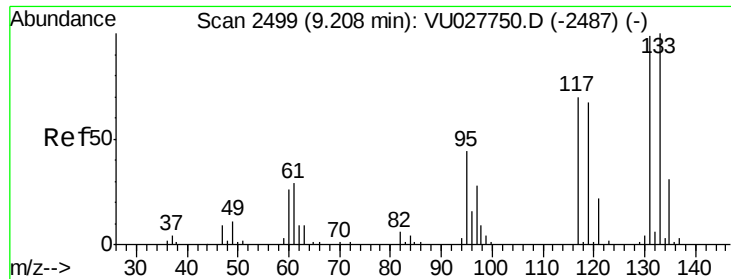
114 36.8 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

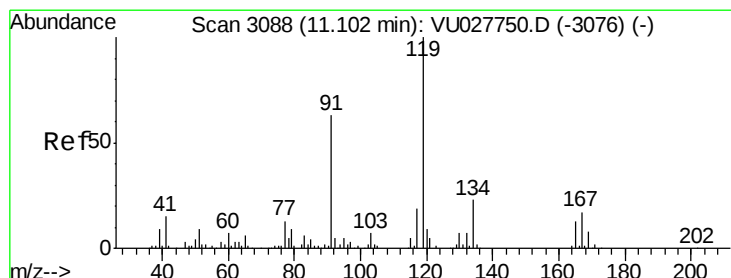
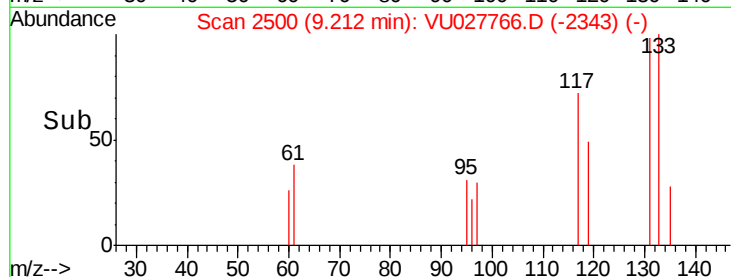
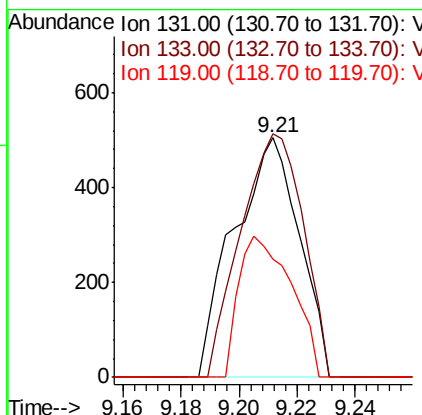
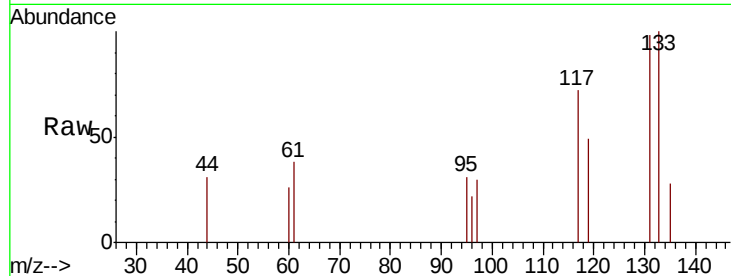




#60
 1,1,1,2-Tetrachloroethane
 Concen: 0.258 ug/l
 RT: 9.21 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

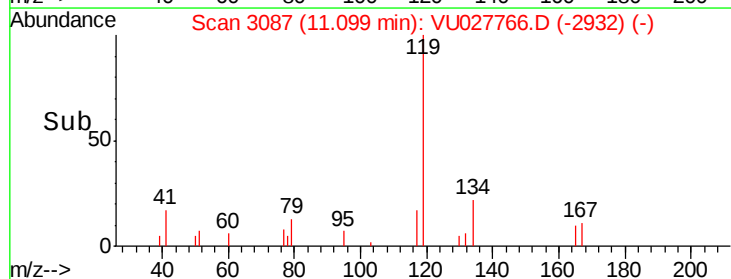
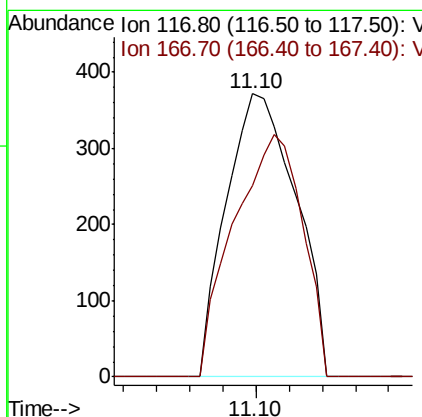
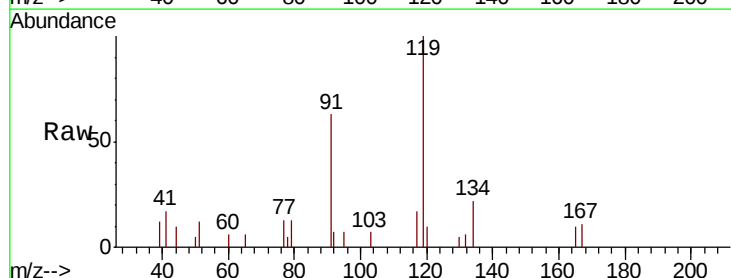
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

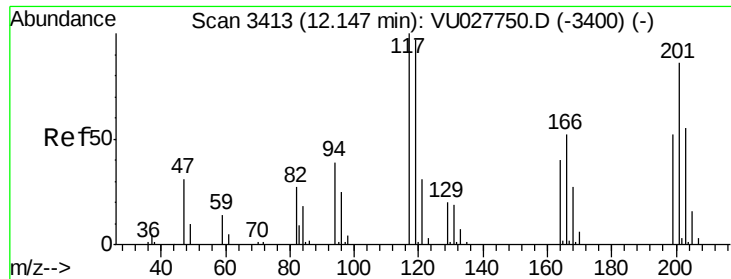
Tot Ion:131 Resp: 788
 Ion Ratio Lower Upper
 131 100
 133 97.5 77.5 116.3
 119 47.7 52.0 78.0#



#61
 Pentachloroethane
 Concen: 0.239 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion:117 Resp: 544
 Ion Ratio Lower Upper
 117 100
 167 84.6 70.1 105.1





#62

Hexachloroethane

Concen: 0.232 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

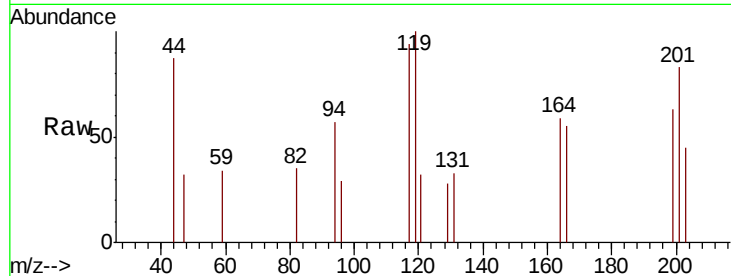
MDL-WATER-03-QT4-2018

Tot Ion: 117 Resp: 581

Ion Ratio Lower Upper

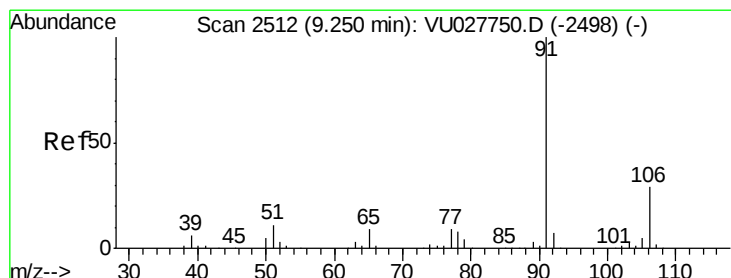
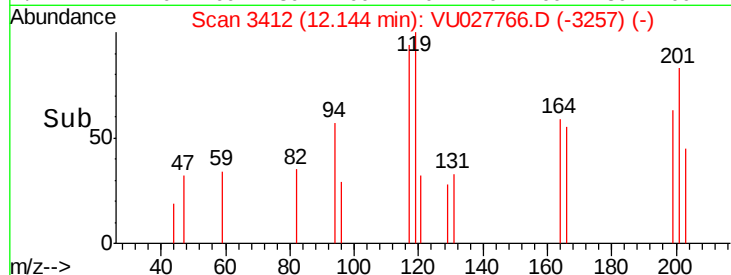
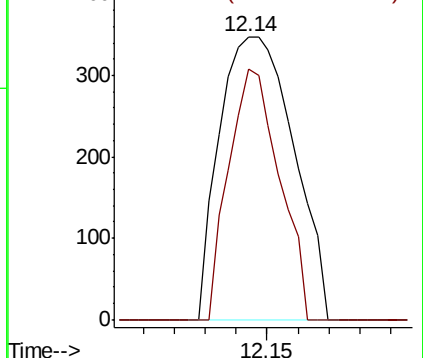
117 100

201 60.6 66.0 99.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.263 ug/l

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027766.D

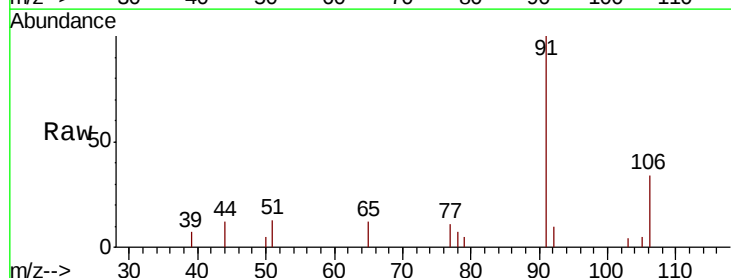
Acq: 23 Oct 2018 16:33

Tgt Ion: 91 Resp: 4179

Ion Ratio Lower Upper

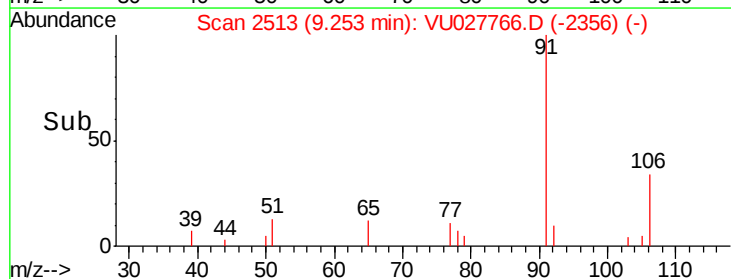
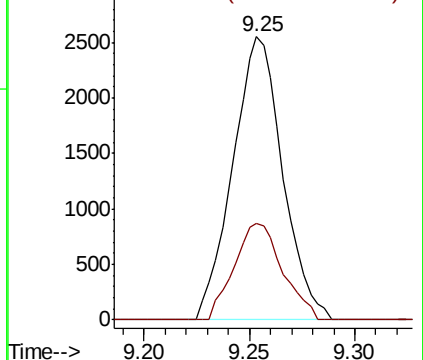
91 100

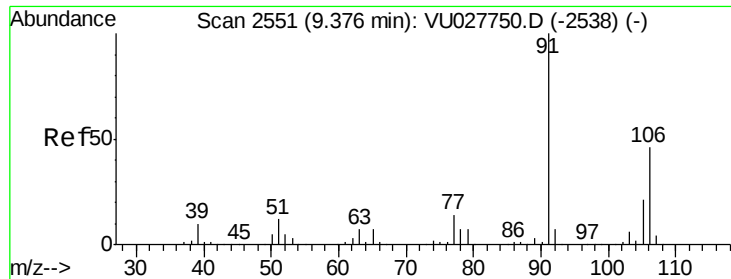
106 34.0 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

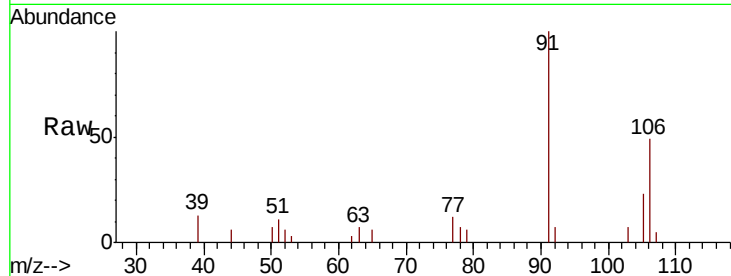




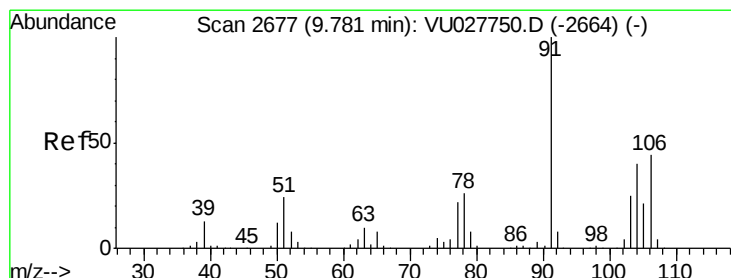
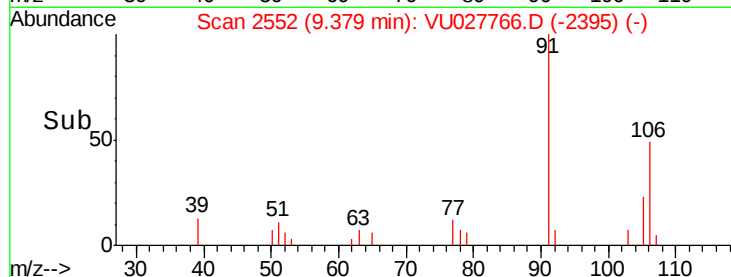
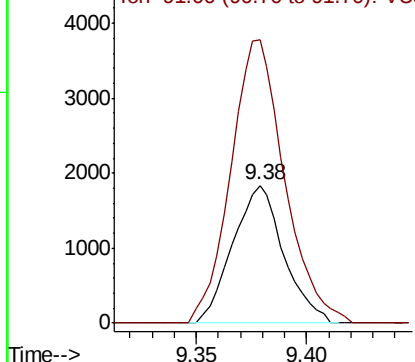
#64
m/p-Xylenes
Concen: 0.520 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

Tot Ion:106 Resp: 2950
Ion Ratio Lower Upper
106 100
91 217.2 173.3 259.9

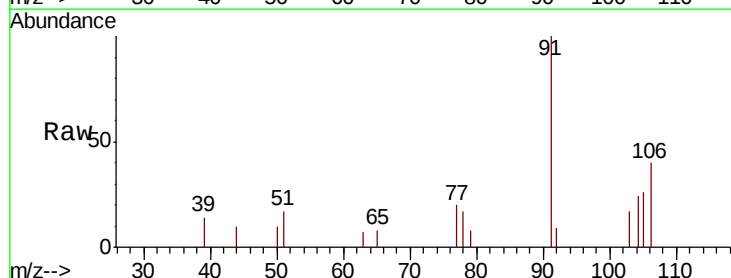


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

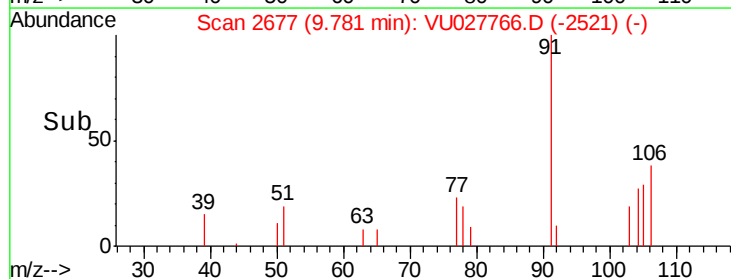
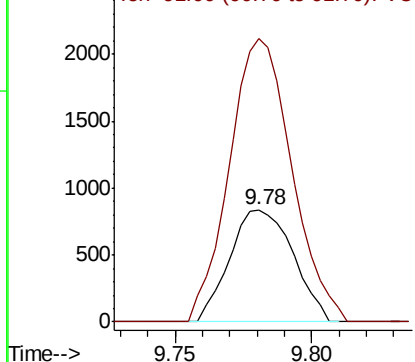


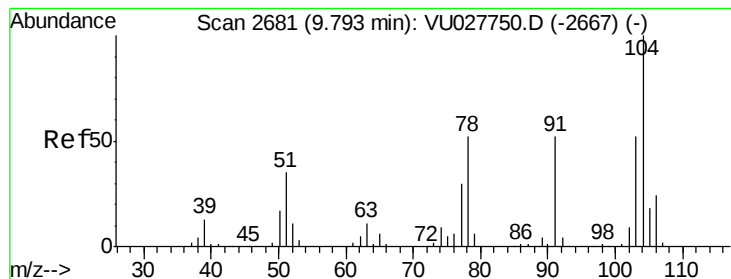
#65
o-Xylene
Concen: 0.240 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion:106 Resp: 1353
Ion Ratio Lower Upper
106 100
91 248.2 113.4 340.2



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





#66

Stvrene

Concen: 0.253 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

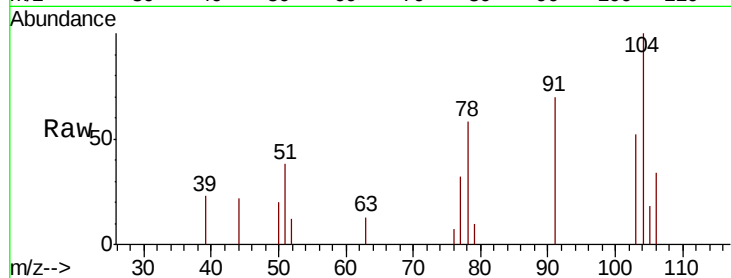
Tot Ion:104 Resp: 2350

Ion Ratio Lower Upper

104 100

78 59.2 45.2 67.8

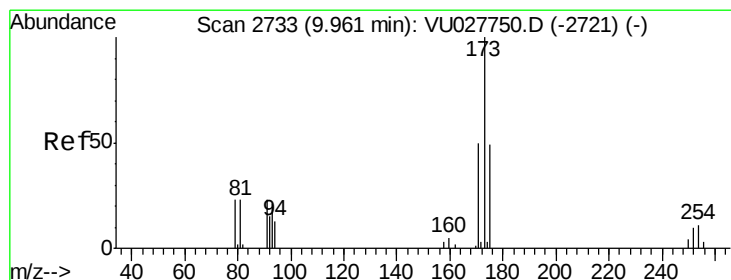
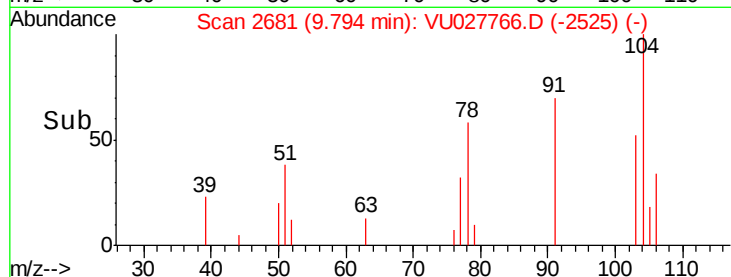
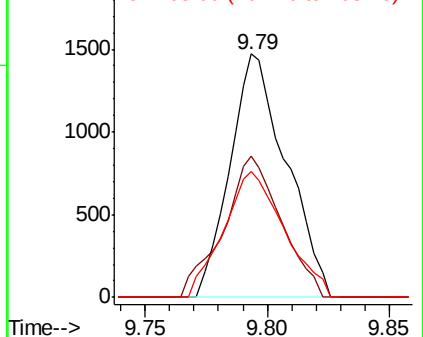
103 55.5 44.8 67.2



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: 0.139 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

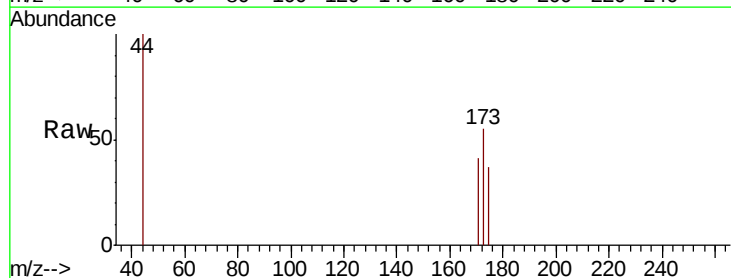
Tgt Ion:173 Resp: 231

Ion Ratio Lower Upper

173 100

175 39.8 39.6 59.4

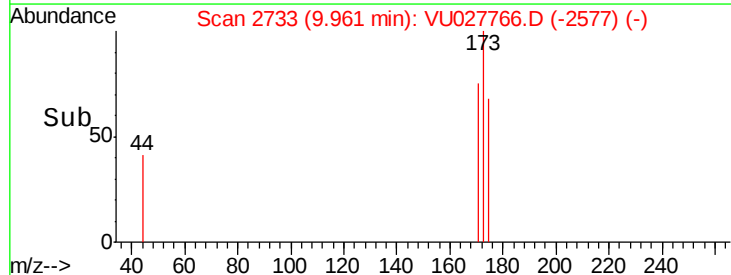
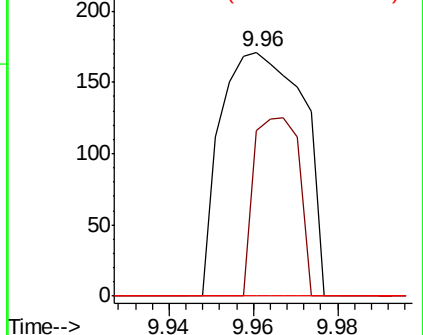
254 0.0 7.8 11.6#

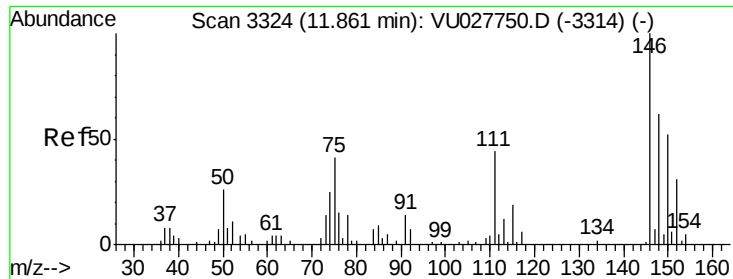


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#68

1,2-Dichlorobenzene-d4

Concen: 0.139 ug/l

RT: 11.86 min Scan# 3325

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

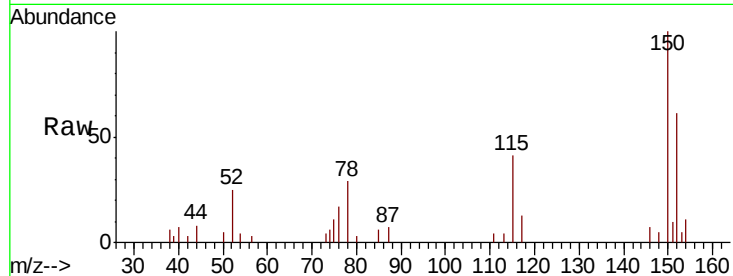
Tot Ion:152 Resp: 3960

Ion Ratio Lower Upper

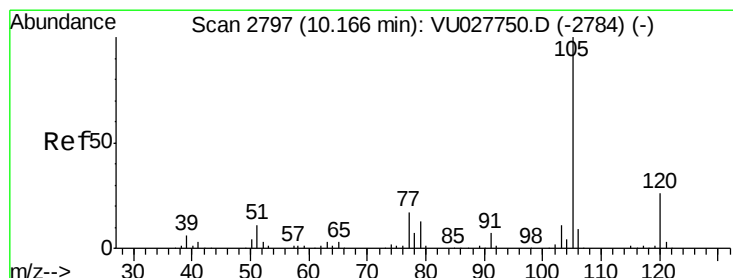
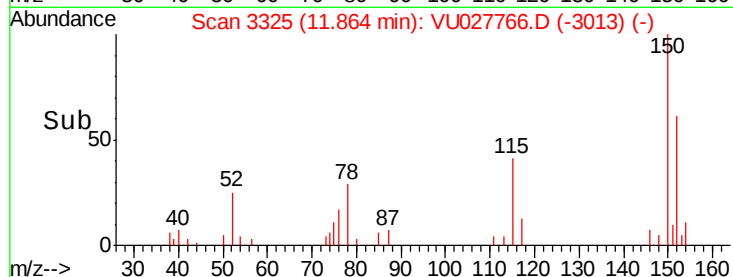
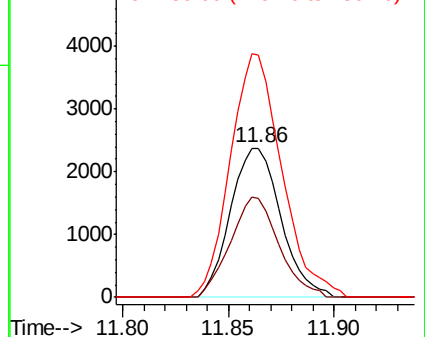
152 100

115 64.8 0.0 130.2

150 166.2 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: 0.263 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027766.D

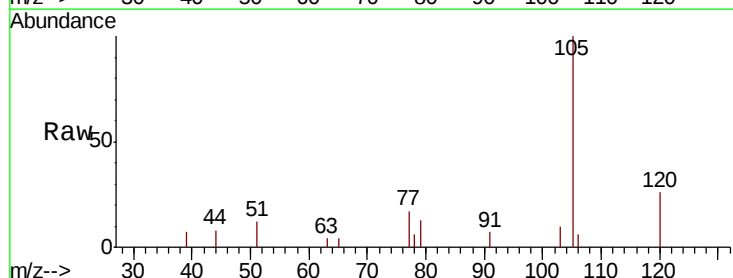
Acq: 23 Oct 2018 16:33

Tgt Ion:105 Resp: 4045

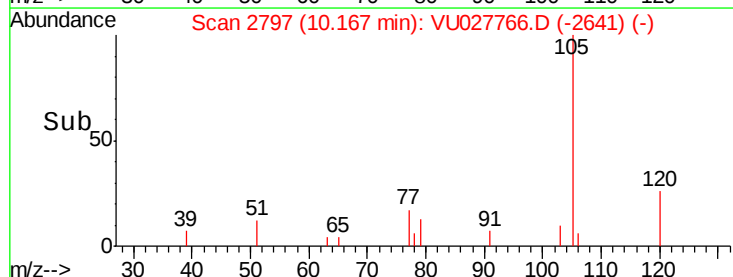
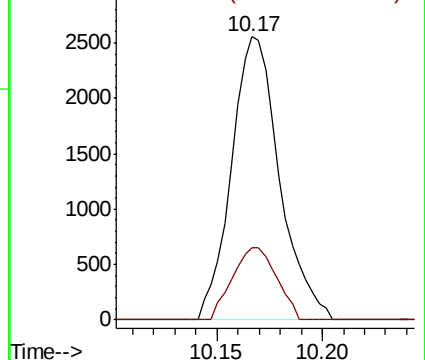
Ion Ratio Lower Upper

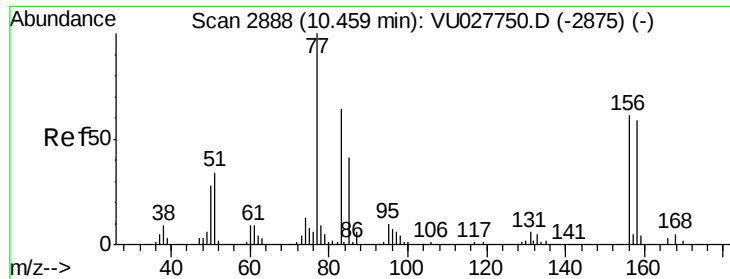
105 100

120 23.2 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: 0.245 ug/l

RT: 10.46 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

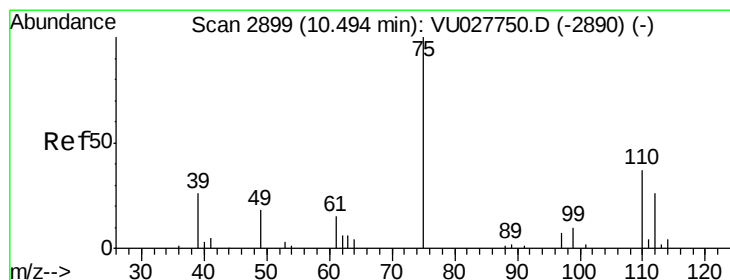
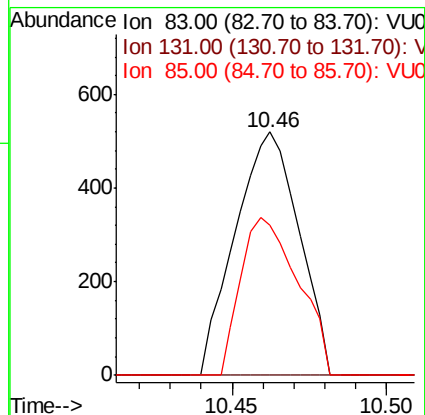
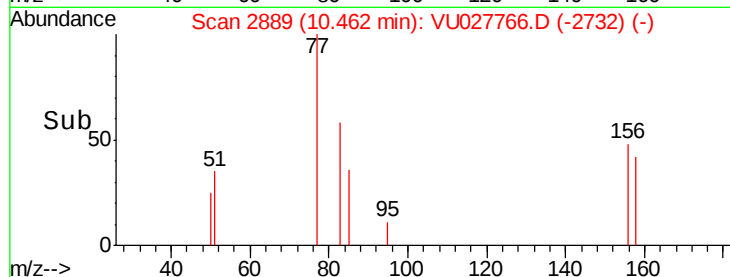
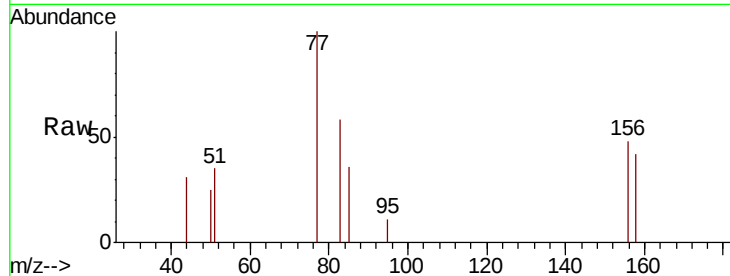
Tot Ion: 83 Resp: 743

Ion Ratio Lower Upper

83 100

131 0.0 7.7 11.5#

85 58.5 51.2 76.8



#71

1,2,3-Trichloropropane

Concen: 0.205 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Tgt Ion: 75 Resp: 482

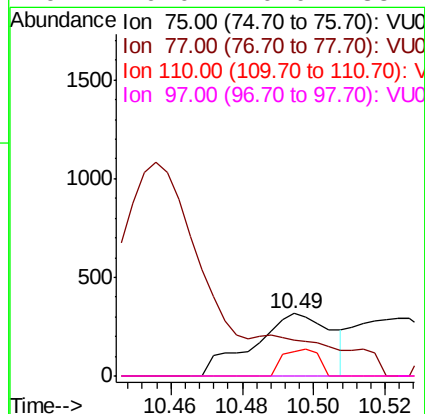
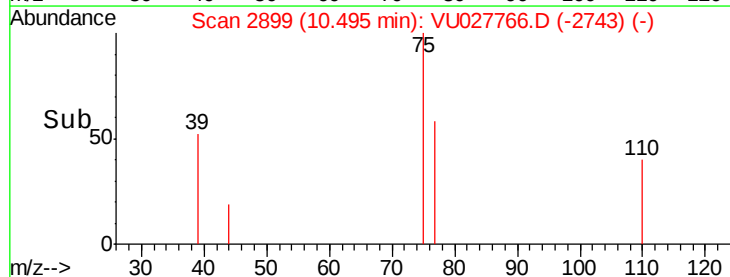
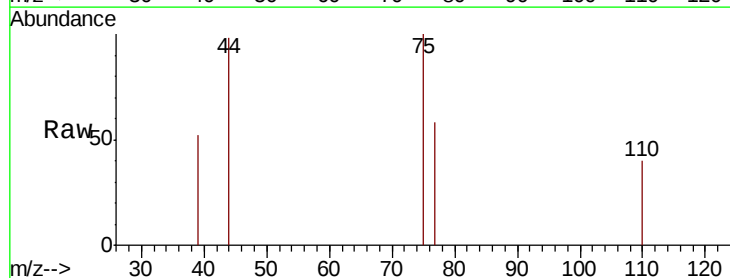
Ion Ratio Lower Upper

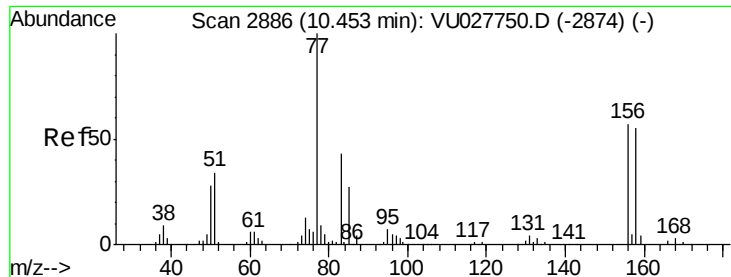
75 100

77 361.2 0.0 0.0#

110 20.1 0.0 68.2

97 0.0 0.0 35.2





#72

Bromobenzene

Concen: 0.237 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

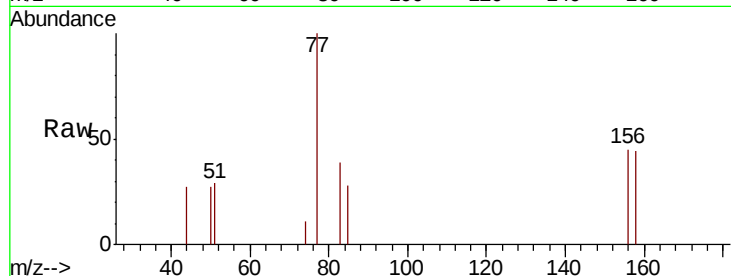
Tot Ion:156 Resp: 813

Ion Ratio Lower Upper

156 100

77 214.1 0.0 349.4

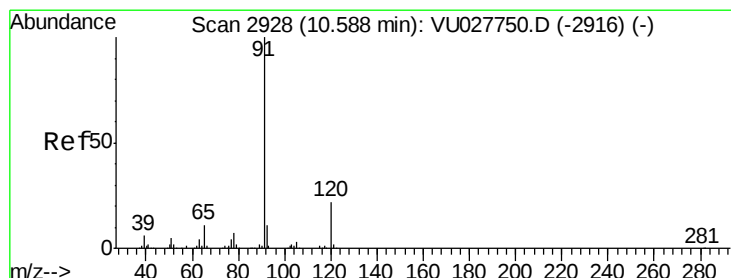
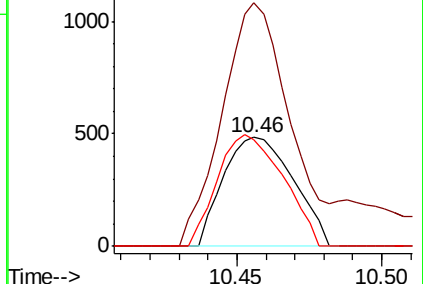
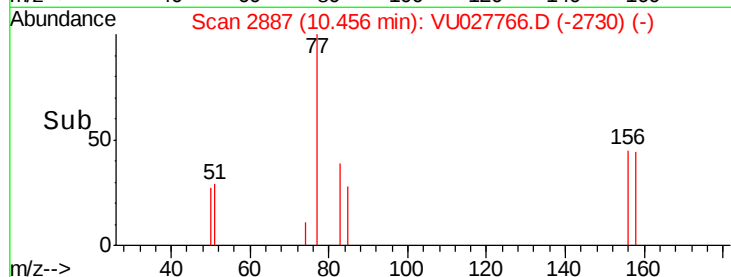
158 96.2 0.0 191.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



#73

n-propylbenzene

Concen: 0.248 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU027766.D

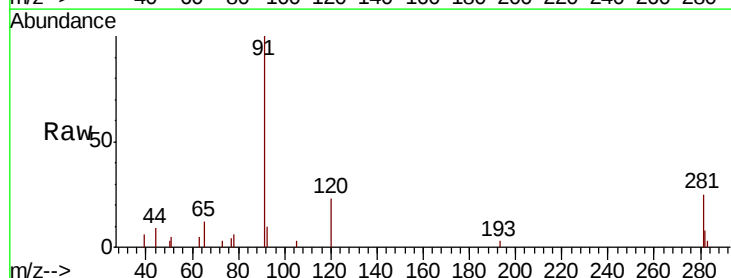
Acq: 23 Oct 2018 16:33

Tgt Ion:120 Resp: 984

Ion Ratio Lower Upper

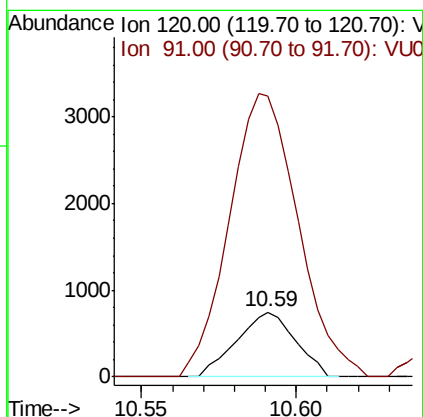
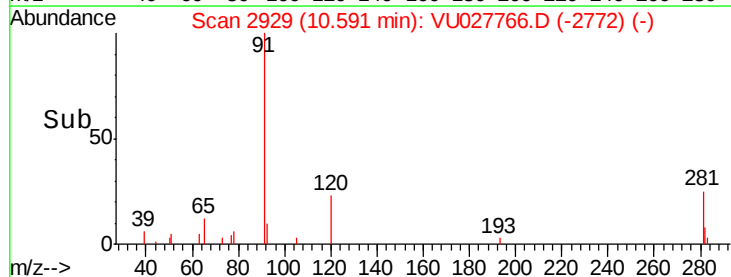
120 100

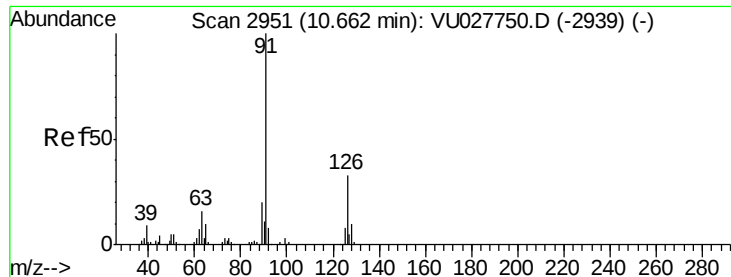
91 514.4 369.0 553.6



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0





#74

2-Chlorotoluene

Concen: 0.250 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

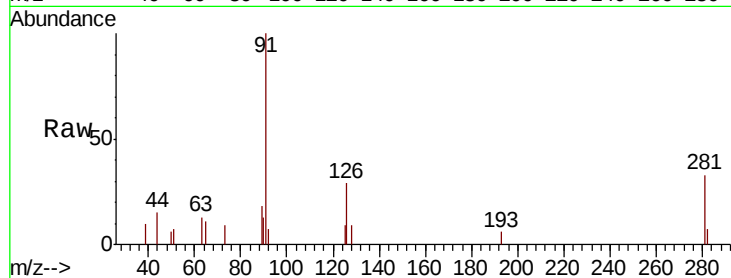
MDL-WATER-03-QT4-2018

Tot Ion:126 Resp: 851

Ion Ratio Lower Upper

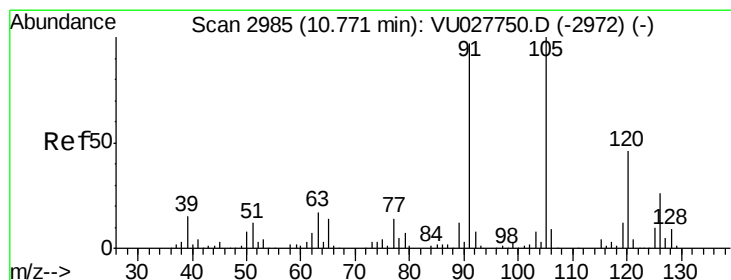
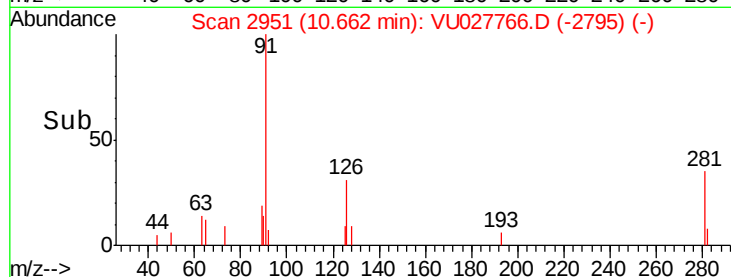
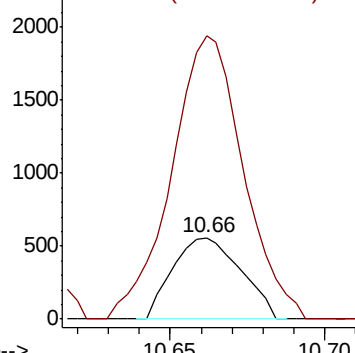
126 100

91 367.0 0.0 628.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#75

1,3,5-Trimethylbenzene

Concen: 0.257 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027766.D

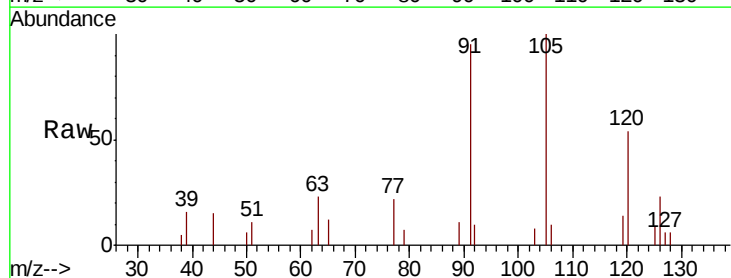
Acq: 23 Oct 2018 16:33

Tgt Ion:105 Resp: 3302

Ion Ratio Lower Upper

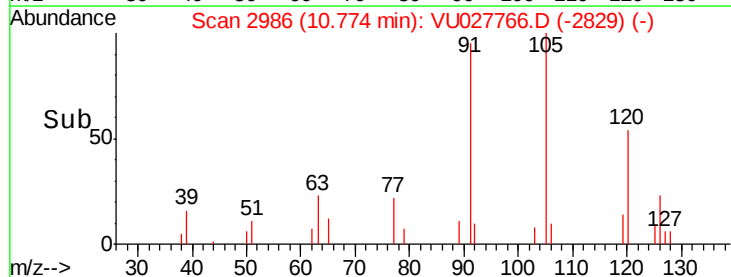
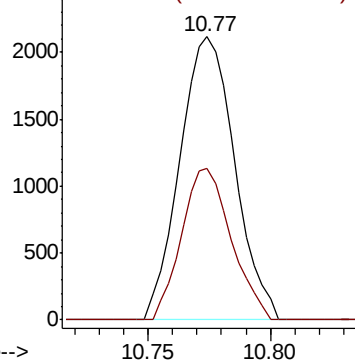
105 100

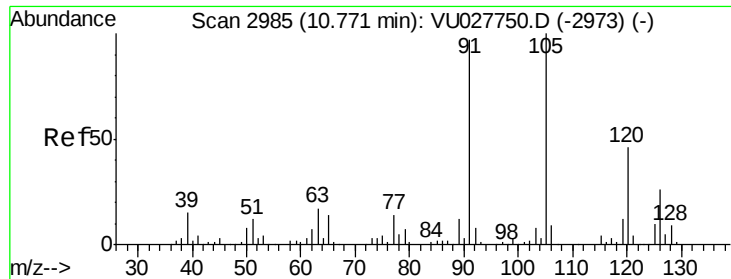
120 48.3 37.2 55.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

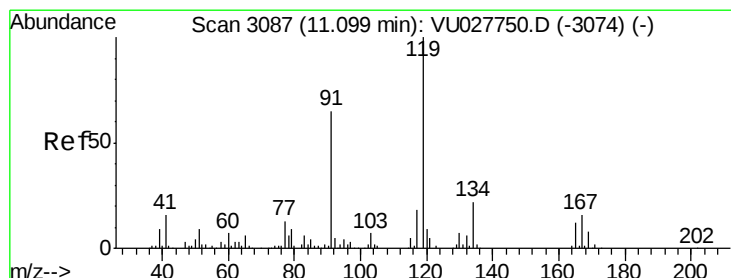
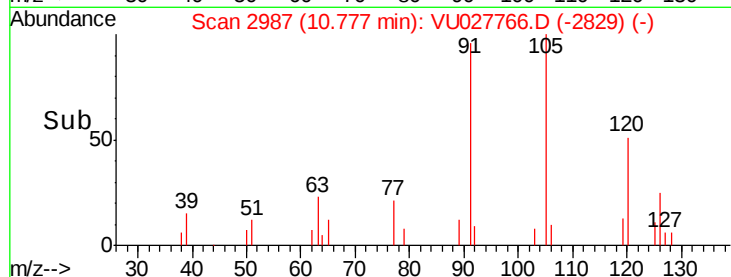
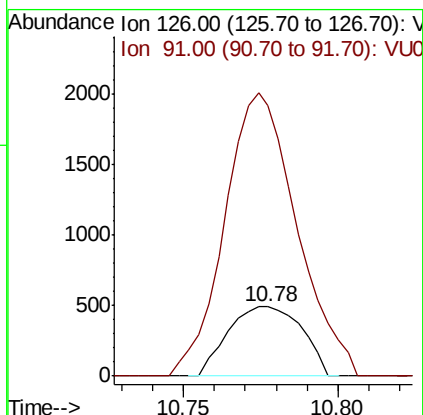
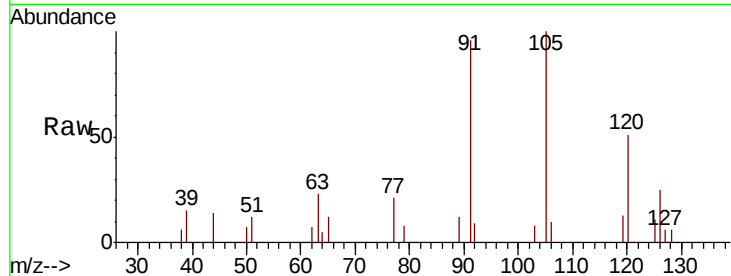




#76
4-Chlorotoluene
Concen: 0.237 ug/l
RT: 10.78 min Scan# 2987
Delta R.T. 0.01 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

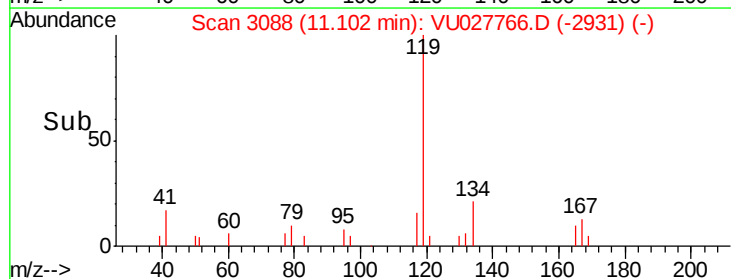
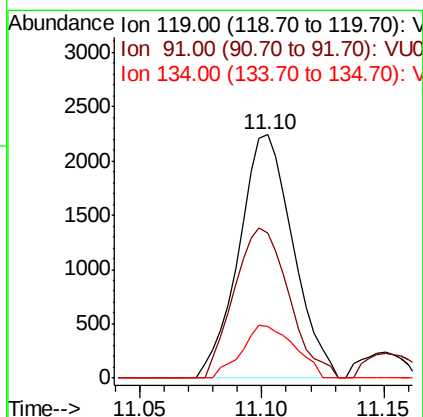
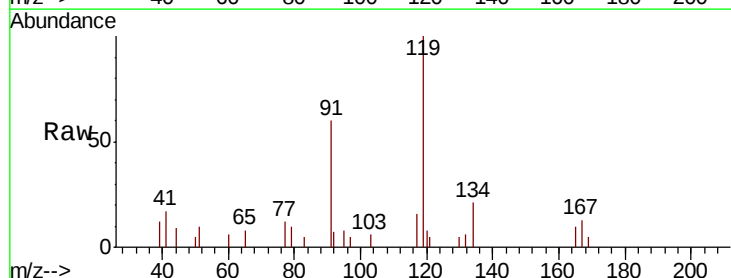
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

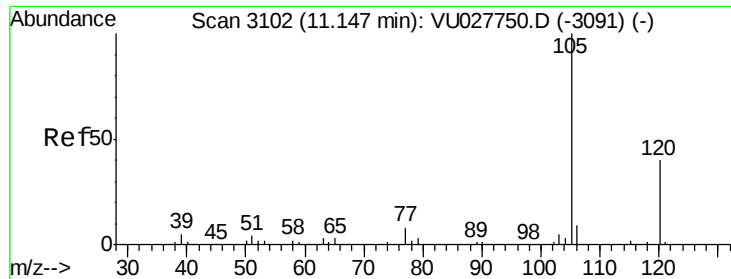
Tot Ion:126 Resp: 818
Ion Ratio Lower Upper
126 100
91 397.8 0.0 734.4



#77
tert-Butylbenzene
Concen: 0.272 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027766.D
Acq: 23 Oct 2018 16:33

Tgt Ion:119 Resp: 3441
Ion Ratio Lower Upper
119 100
91 62.6 31.8 95.4
134 21.2 17.7 26.5

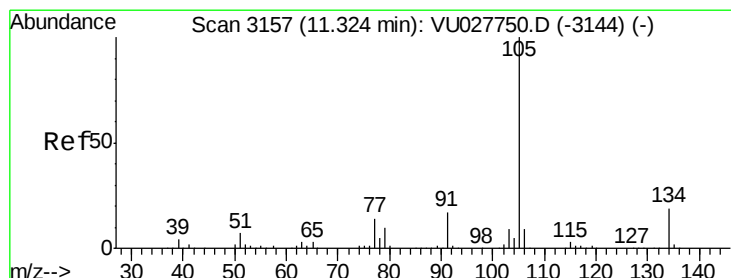
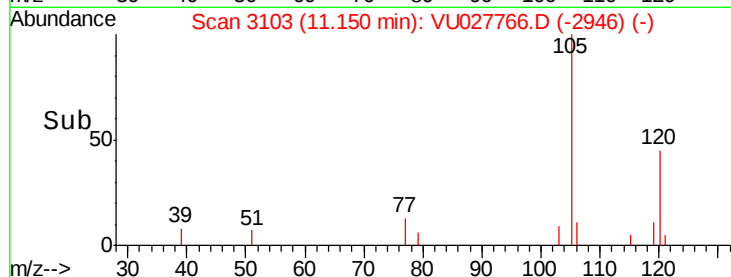
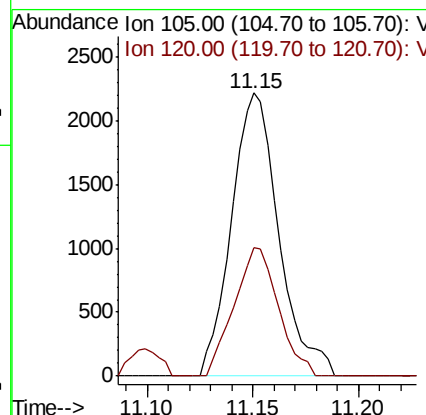
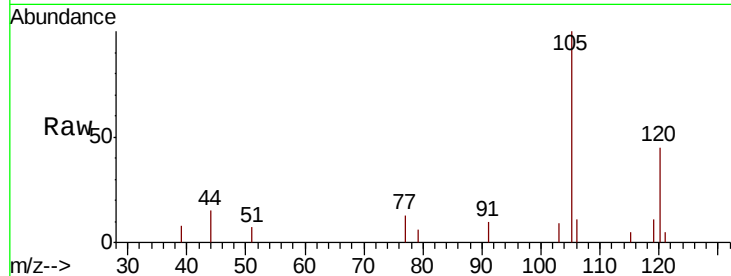




#78
 1,2,4-Trimethylbenzene
 Concen: 0.261 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

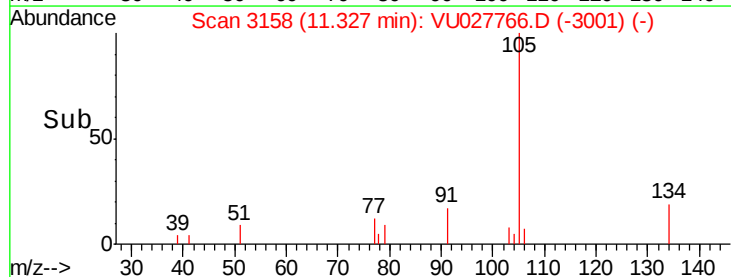
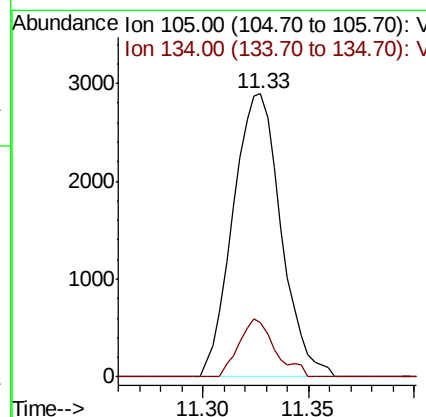
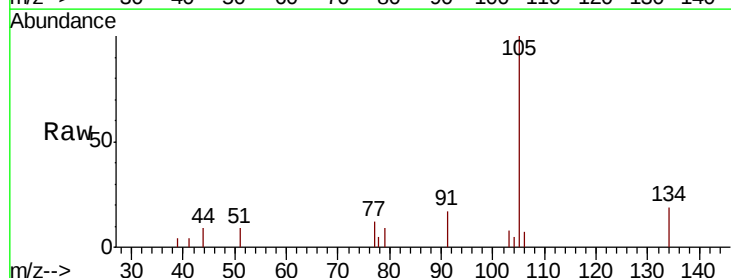
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

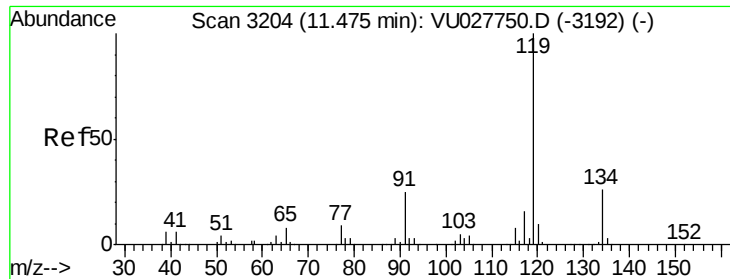
Tot Ion:105 Resp: 3451
 Ion Ratio Lower Upper
 105 100
 120 42.5 21.6 64.6



#79
 sec-Butylbenzene
 Concen: 0.273 ug/l
 RT: 11.33 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion:105 Resp: 4577
 Ion Ratio Lower Upper
 105 100
 134 15.3 15.2 22.8

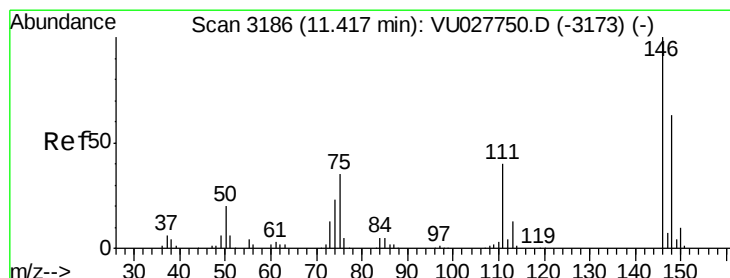
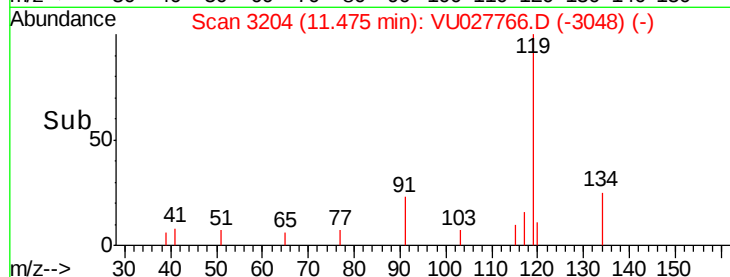
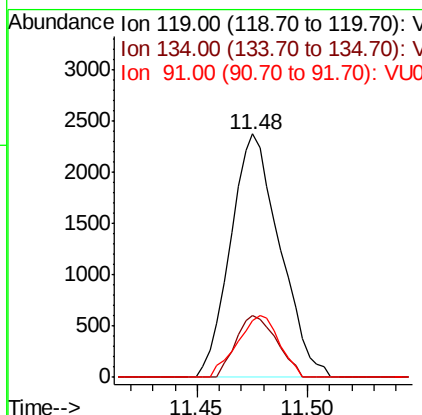
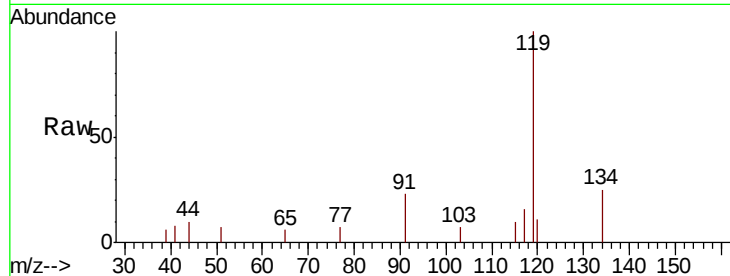




#81
 p-Isopropyltoluene
 Concen: 0.269 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

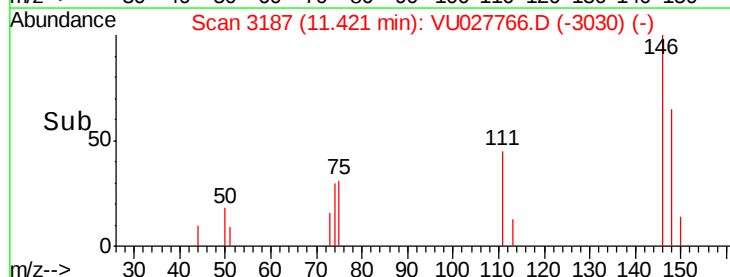
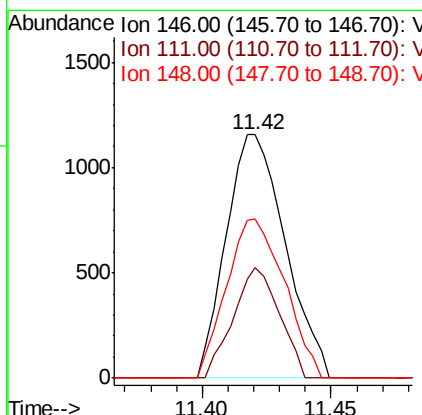
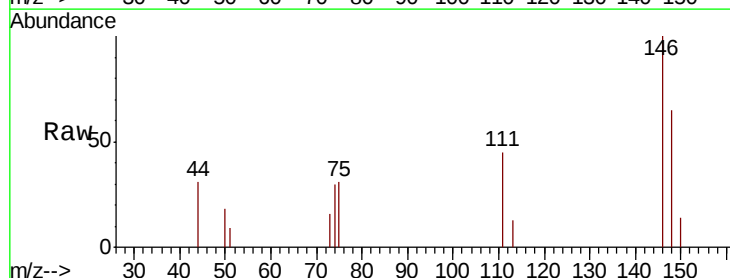
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

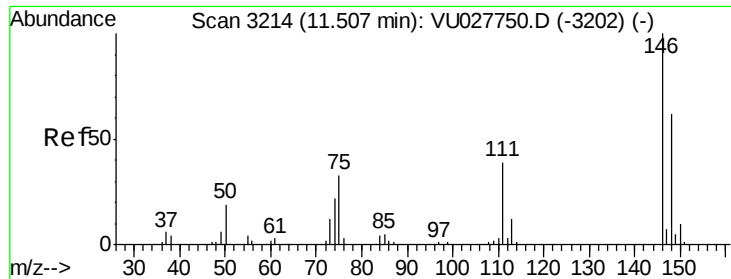
Tot Ion:119 Resp: 3676
 Ion Ratio Lower Upper
 119 100
 134 21.1 20.3 30.5
 91 21.8 20.2 30.4



#82
 1,3-Dichlorobenzene
 Concen: 0.272 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion:146 Resp: 1847
 Ion Ratio Lower Upper
 146 100
 111 35.6 32.7 49.1
 148 64.0 50.6 75.8

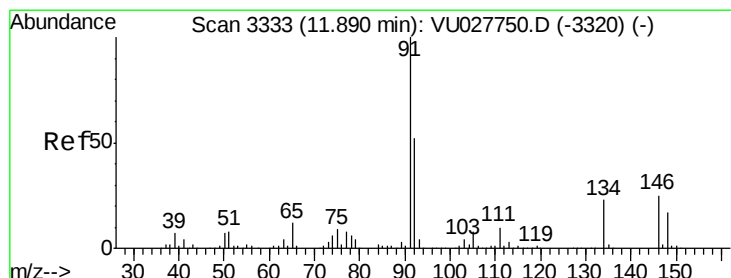
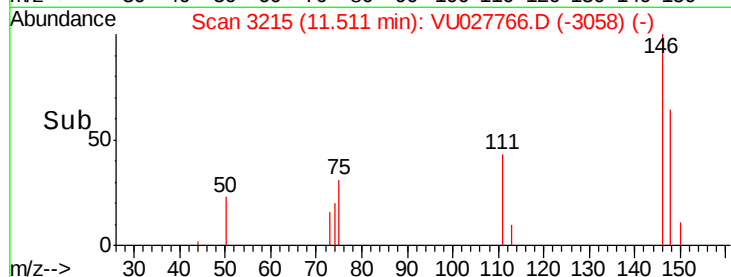
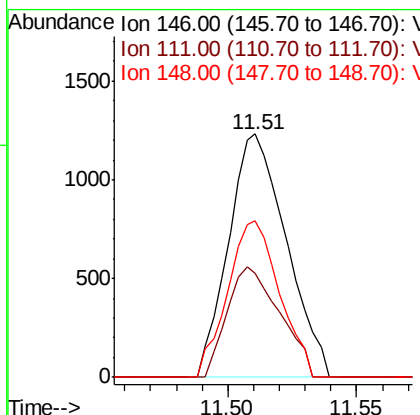
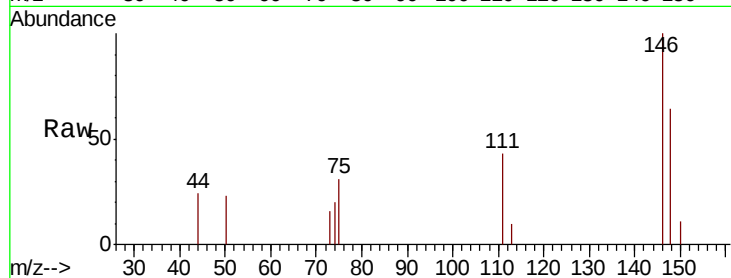




#83
 1,4-Dichlorobenzene
 Concen: 0.282 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

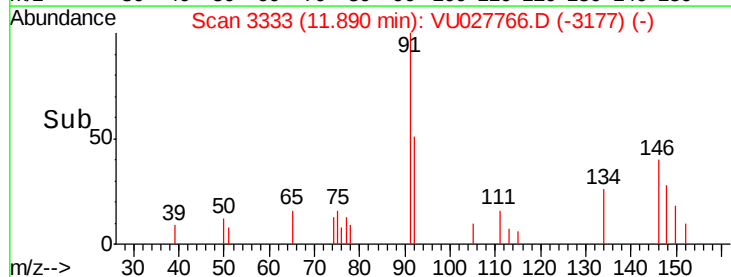
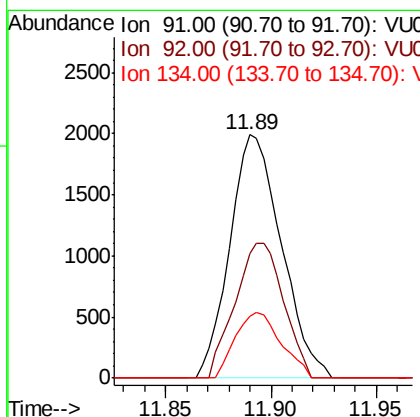
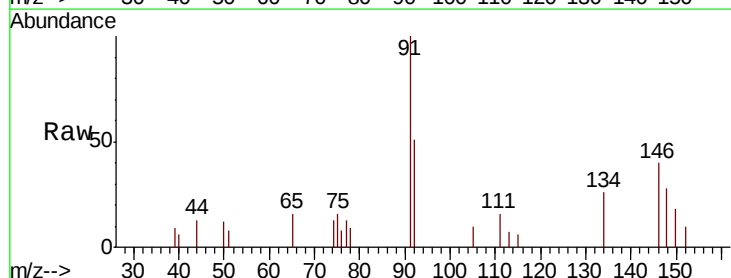
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

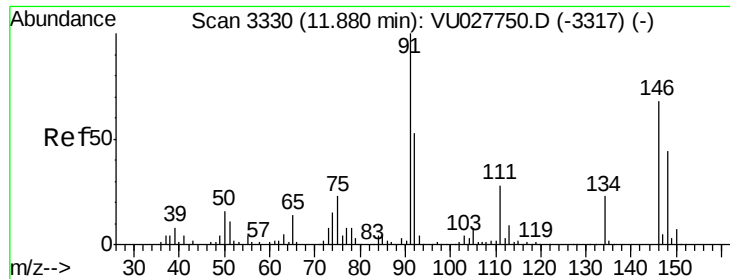
Tot Ion:146 Resp: 1920
 Ion Ratio Lower Upper
 146 100
 111 41.5 32.0 48.0
 148 57.8 50.9 76.3



#84
 n-Butylbenzene
 Concen: 0.254 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion: 91 Resp: 3374
 Ion Ratio Lower Upper
 91 100
 92 52.1 42.1 63.1
 134 24.0 18.6 28.0

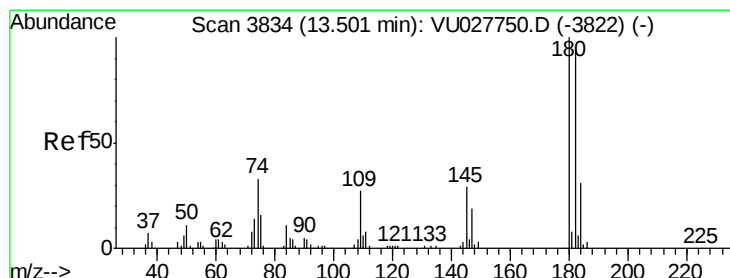
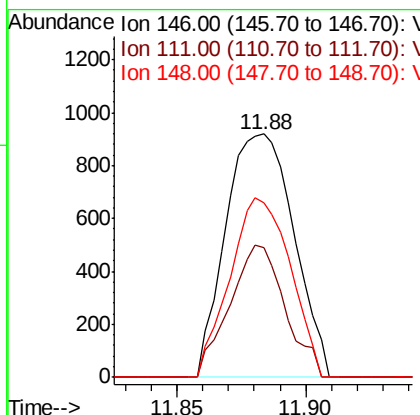
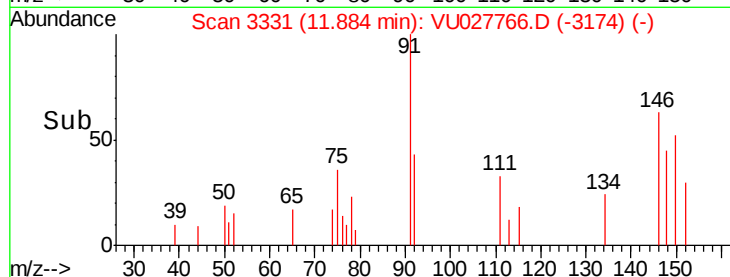
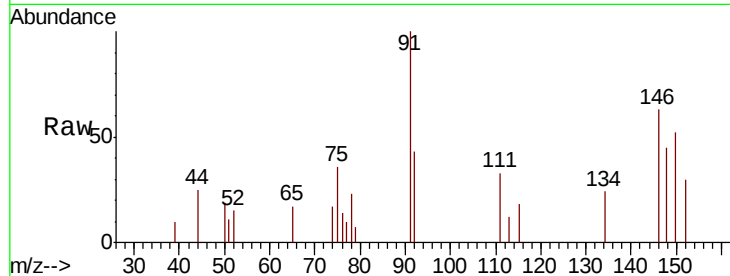




#85
 1,2-Dichlorobenzene
 Concen: 0.261 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

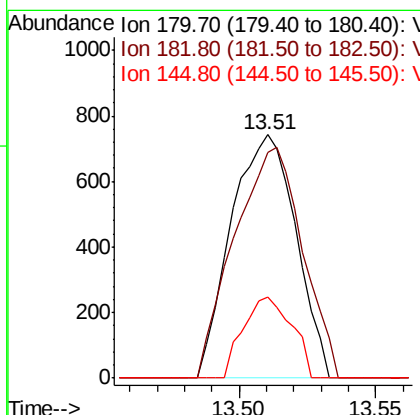
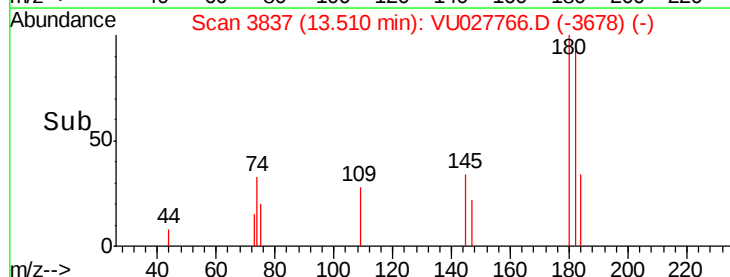
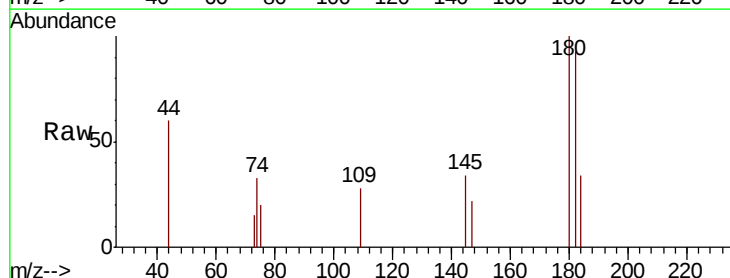
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

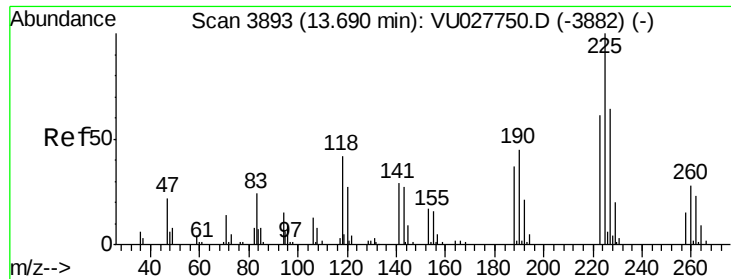
Tot Ion:146 Resp: 1690
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.2 63.6
 148 65.4 32.2 96.6



#87
 1,2,4-Trichlorobenzene
 Concen: 0.260 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU027766.D
 Acq: 23 Oct 2018 16:33

Tgt Ion:180 Resp: 1226
 Ion Ratio Lower Upper
 180 100
 182 99.3 75.9 113.9
 145 25.0 23.6 35.4





#88

Hexachlorobutadiene

Concen: 0.257 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

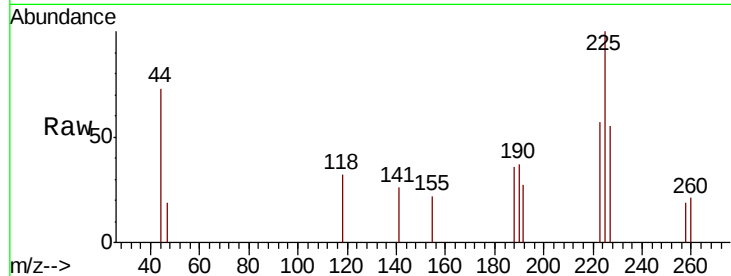
Tot Ion:225 Resp: 725

Ion Ratio Lower Upper

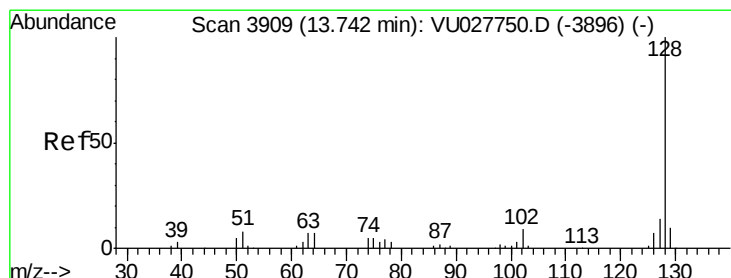
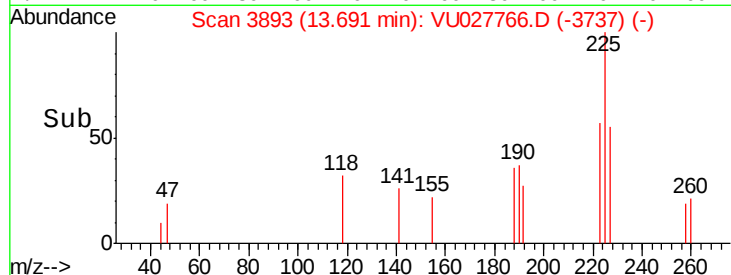
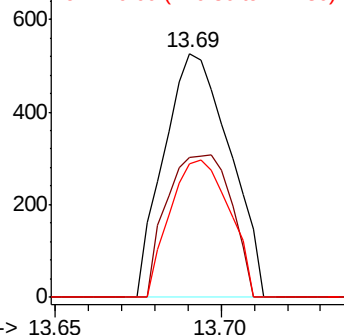
225 100

223 57.2 49.6 74.4

227 50.8 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: 0.208 ug/l

RT: 13.75 min Scan# 3912

Delta R.T. 0.01 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

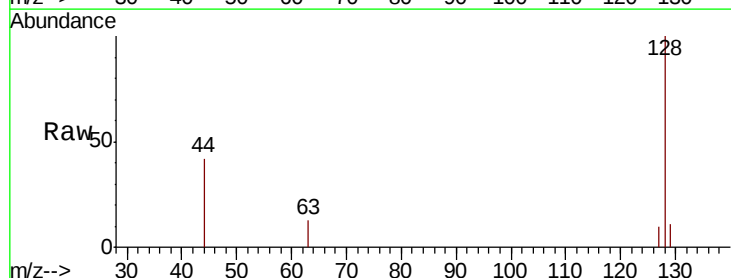
Tgt Ion:128 Resp: 1838

Ion Ratio Lower Upper

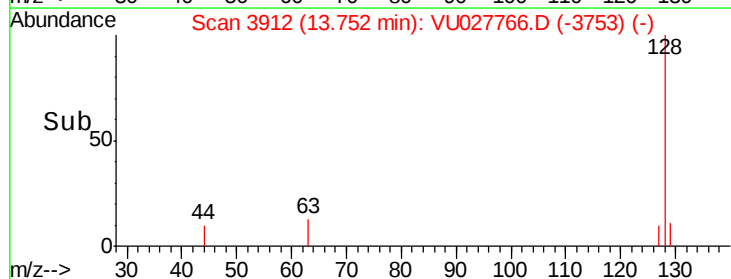
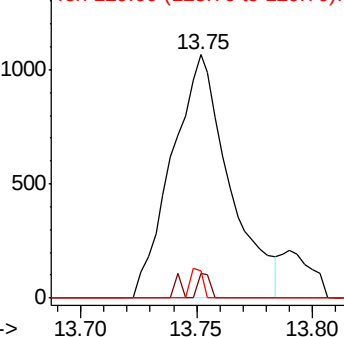
128 100

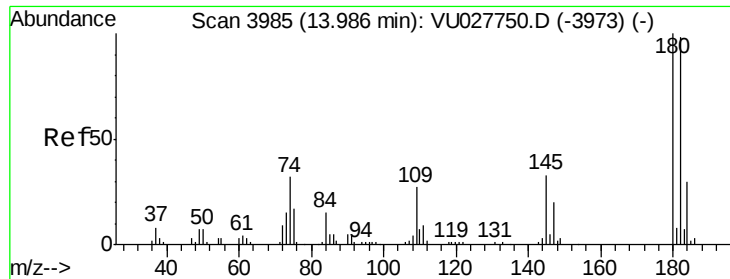
127 2.2 10.7 16.1#

129 2.6 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: 0.218 ug/l

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027766.D

Acq: 23 Oct 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

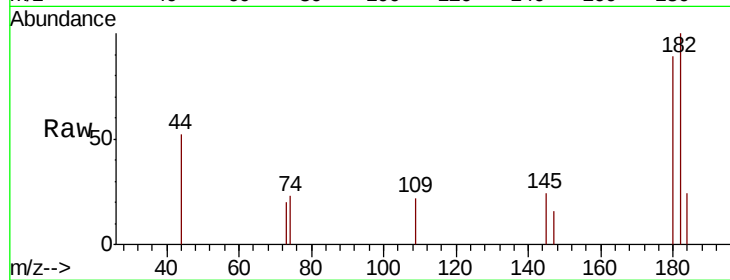
Tot Ion:180 Resp: 976

Ion Ratio Lower Upper

180 100

182 114.4 77.0 115.6

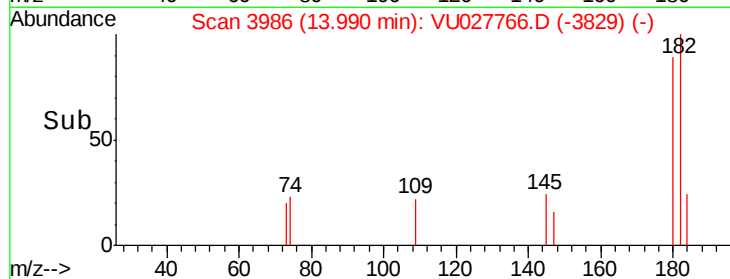
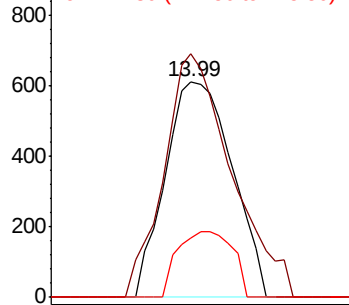
145 25.0 25.4 38.2#



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



Time-->