

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037138.D
 Acq On : 09 Mar 2020 18:03
 Operator : JC/MD
 Sample : L1161-07 0.4PPB
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Quant Time: Mar 09 18:28:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 18:12:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	15221	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	4929	0.84	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	5152	0.86	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	2768	0.373	ug/l	89
3) Chloromethane	1.54	50	2992	0.405	ug/l	97
4) Vinyl Chloride	1.62	62	2295	0.353	ug/l	93
5) Bromomethane	1.87	94	832	0.367	ug/l	91
6) Chloroethane	1.95	64	1532	0.492	ug/l	90
7) Trichlorofluoromethane	2.16	101	2588	0.328	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	1266	0.342	ug/l	92
9) 1,1-Dichloroethene	2.60	96	1275	0.362	ug/l	90
11) Allyl Chloride	2.95	41	2793	0.409	ug/l #	68
12) Acrylonitrile	3.36	53	512	0.615	ug/l #	80
13) Acetone	2.66	43	1801	1.946	ug/l #	82
14) Carbon Disulfide	2.82	76	3932	0.335	ug/l #	91
15) Methylene Chloride	3.08	84	1715	0.388	ug/l #	72
16) trans-1,2-Dichloroethene	3.38	96	1262	0.338	ug/l #	92
17) 1,1-Dichloroethane	3.91	63	3217	0.371	ug/l #	82
18) 2-Butanone	4.78	43	2365	1.672	ug/l	94
19) Cyclohexane	5.42	56	2382	0.323	ug/l #	83
20) Methylcyclohexane	6.79	83	2131	0.292	ug/l #	79
21) 2,2-Dichloropropane	4.71	77	2688	0.340	ug/l	93
22) cis-1,2-Dichloroethene	4.71	96	1454	0.314	ug/l	78
23) Diethyl Ether	2.41	59	1063	0.357	ug/l #	73
24) tert-Butyl Alcohol	3.23	59	3319	10.181	ug/l #	75
25) Methyl tert-Butyl Ether	3.41	73	3512	0.341	ug/l #	60
26) Bromochloromethane	5.02	128	636	0.312	ug/l	75
27) Chloroform	5.13	83	3511	0.376	ug/l	95
28) 1,1,1-Trichloroethane	5.35	97	2743	0.345	ug/l	94
29) 1,1-Dichloropropene	5.57	75	2024	0.313	ug/l	90
30) Carbon Tetrachloride	5.56	117	2159	0.310	ug/l	96
31) Isopropyl Ether	4.05	45	4387	0.317	ug/l	66
32) Ethyl-t-butyl ether	4.56	59	4235	0.324	ug/l	87
33) Tert-Amyl methyl ether	5.99	73	3480	0.310	ug/l #	91
34) Propionitrile	4.83	54	601	1.616	ug/l #	67
35) Benzene	5.81	78	6450	0.351	ug/l	97
36) 1,2-Dichloroethane	5.84	62	2280	0.342	ug/l #	82
37) Trichloroethene	6.58	130	1677	0.348	ug/l	89
38) 1,2-Dichloropropane	6.82	63	1737	0.345	ug/l	90
39) Methacrylonitrile	5.03	41	430	0.240	ug/l #	63
40) Methyl acrylate	4.90	55	624	0.251	ug/l #	69
41) Tetrahydrofuran	5.11	42	673	0.752	ug/l #	35
42) 1-Chlorobutane	5.49	56	2928	0.314	ug/l	71
43) Dibromomethane	6.96	93	871	0.337	ug/l #	82

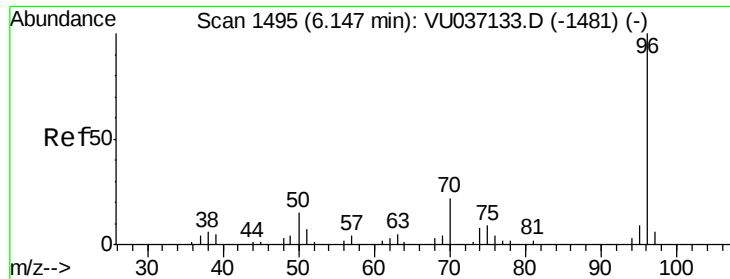
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U030920\
 Data File : VU037138.D
 Acq On : 09 Mar 2020 18:03
 Operator : JC/MD
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Quant Time: Mar 09 18:28:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 18:12:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Bromodichloromethane	7.14	83	2370	0.352	ug/l	98
45) 4-Methyl-2-Pentanone	7.83	43	5740	1.657	ug/l #	83
46) t-1,4-Dichloro-2-butene	10.84	75	1937	2.043	ug/l #	49
47) Methyl methacrylate	7.00	69	1070	0.501	ug/l #	43
48) Ethyl methacrylate	8.36	69	1116	0.265	ug/l	77
49) Toluene	8.00	92	3452	0.311	ug/l	97
50) t-1,3-Dichloropropene	8.24	75	1747	0.288	ug/l	96
51) cis-1,3-Dichloropropene	7.64	75	1952	0.282	ug/l #	77
52) 1,1,2-Trichloroethane	8.43	97	1085	0.315	ug/l #	89
53) 1,3-Dichloropropane	8.60	76	2018	0.330	ug/l	95
54) 2-Hexanone	8.72	43	3488	1.461	ug/l	77
55) Dibromochloromethane	8.84	129	1456	0.341	ug/l	96
56) 1,2-Dibromoethane	8.95	107	1062	0.325	ug/l	76
58) Tetrachloroethene	8.57	164	1613	0.357	ug/l	95
59) Chlorobenzene	9.47	112	4111	0.332	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	1539	0.340	ug/l #	91
61) Pentachloroethane	11.44	117	1232	0.356	ug/l	87
62) Hexachloroethane	12.49	117	1088	0.294	ug/l #	80
63) Ethyl Benzene	9.59	91	6071	0.287	ug/l	95
64) m/p-Xylenes	9.72	106	4531	0.566	ug/l	96
65) o-Xylene	10.12	106	1942	0.252	ug/l	69
66) Styrene	10.14	104	3285	0.260	ug/l	96
67) Bromoform	10.31	173	699	0.310	ug/l #	91
69) Isopropylbenzene	10.50	105	5962	0.283	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.80	83	1597	0.352	ug/l #	94
71) 1,2,3-Trichloropropane	10.84	75	1937	0.523	ug/l	56
72) Bromobenzene	10.81	156	1469	0.289	ug/l	86
73) n-propylbenzene	10.92	120	1413	0.253	ug/l #	65
74) 2-Chlorotoluene	11.01	126	1235	0.245	ug/l	36
75) 1,3,5-Trimethylbenzene	11.11	105	5064	0.278	ug/l	94
76) 4-Chlorotoluene	11.12	126	1316	0.259	ug/l	65
77) tert-Butylbenzene	11.44	119	5199	0.293	ug/l	98
78) 1,2,4-Trimethylbenzene	11.48	105	4393	0.239	ug/l	99
79) sec-Butylbenzene	11.66	105	6462	0.267	ug/l	98
81) p-Isopropyltoluene	11.81	119	4771	0.251	ug/l #	91
82) 1,3-Dichlorobenzene	11.76	146	2915	0.289	ug/l	94
83) 1,4-Dichlorobenzene	11.85	146	3049	0.298	ug/l	94
84) n-Butylbenzene	12.23	91	4024	0.223	ug/l #	90
85) 1,2-Dichlorobenzene	12.23	146	3165	0.324	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.03	75	249	0.311	ug/l #	16
87) 1,2,4-Trichlorobenzene	13.88	180	1012	0.206	ug/l #	85
88) Hexachlorobutadiene	14.06	225	887	0.292	ug/l	92
89) Naphthalene	14.12	128	1801	0.216	ug/l #	79
90) 1,2,3-Trichlorobenzene	14.37	180	1155	0.242	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 96 Resp: 15221

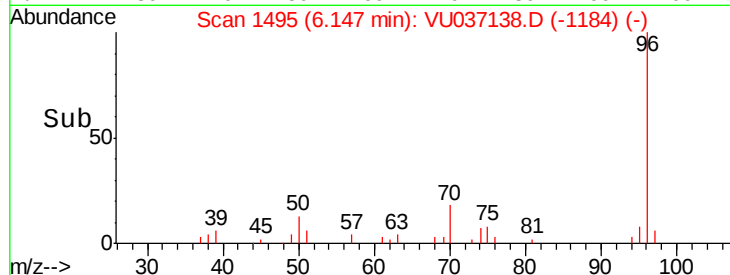
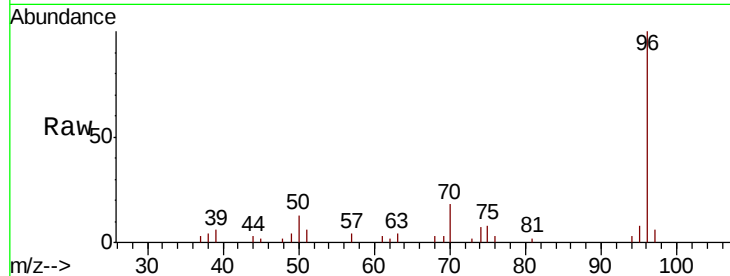
Ion Ratio Lower Upper

96 100

70 19.5 15.6 23.4

95 8.5 7.0 10.6

97 5.5 0.0 0.0#

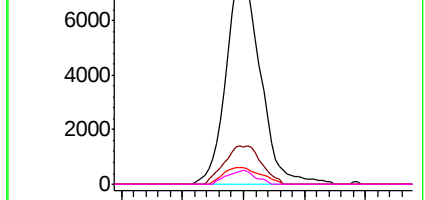


Abundance Ion 96.00 (95.70 to 96.70): VU037133.D (-1481) (-)

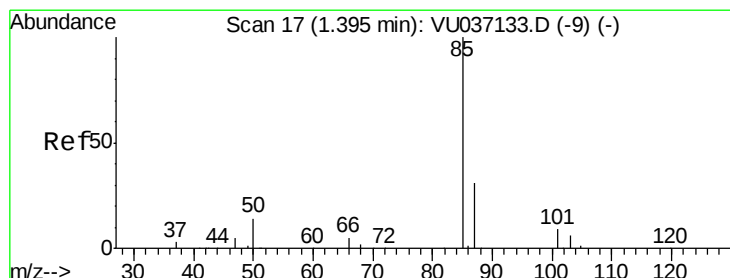
Ion 70.00 (69.70 to 70.70): VU037133.D (-1481) (-)

Ion 95.00 (94.70 to 95.70): VU037133.D (-1481) (-)

Ion 97.00 (96.70 to 97.70): VU037133.D (-1481) (-)



Time-->



#2

Dichlorodifluoromethane

Concen: 0.373 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037138.D

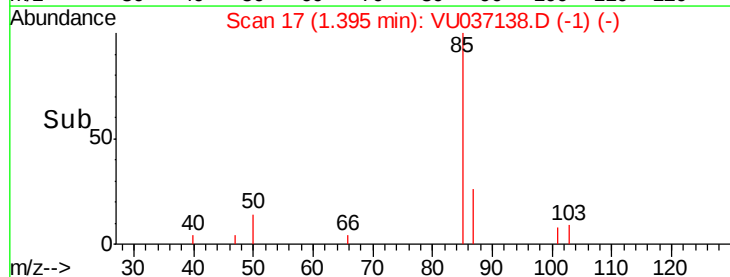
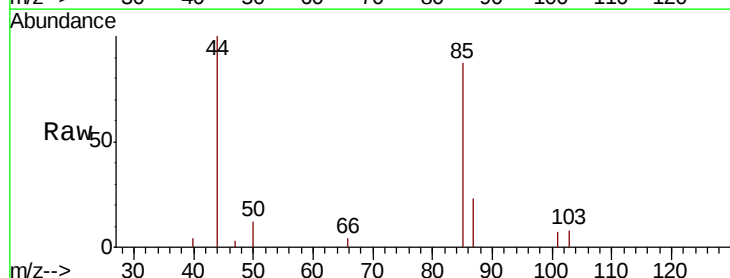
Acq: 09 Mar 2020 18:03

Tgt Ion: 85 Resp: 2768

Ion Ratio Lower Upper

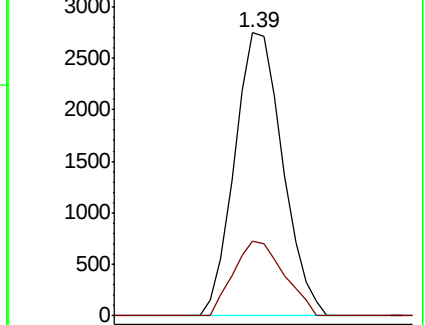
85 100

87 26.4 16.4 49.2

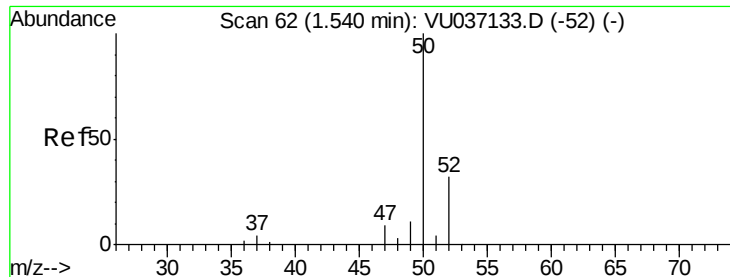


Abundance Ion 85.00 (84.70 to 85.70): VU037133.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037133.D (-9) (-)



Time-->



#3

Chloromethane

Concen: 0.405 ug/l

RT: 1.54 min Scan# 63

Delta R.T. 0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

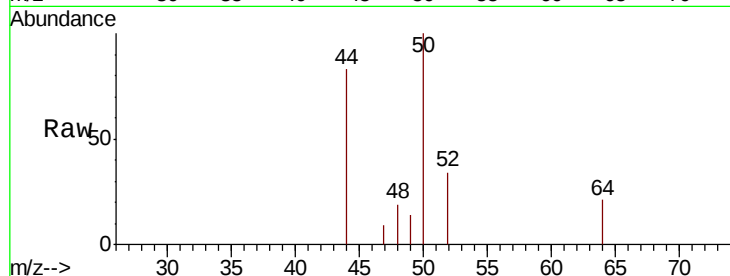
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 50 Resp: 2992

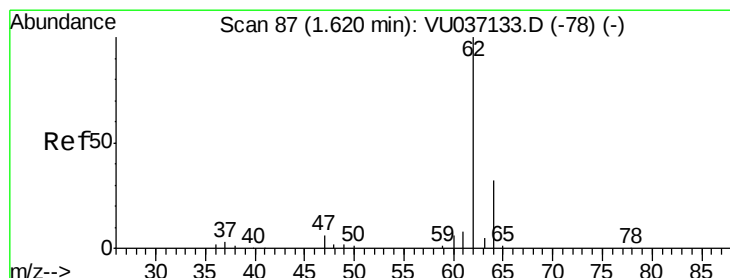
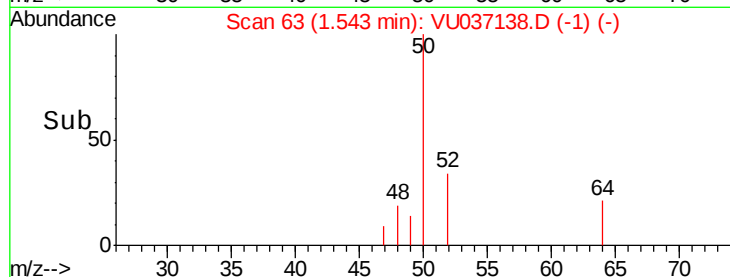
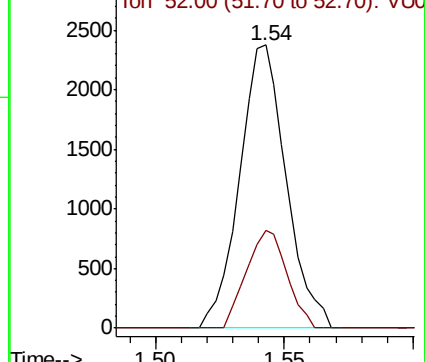
Ion Ratio Lower Upper

50 100

52 34.3 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU037133.D (-52) (-)



#4

Vinyl Chloride

Concen: 0.353 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU037138.D

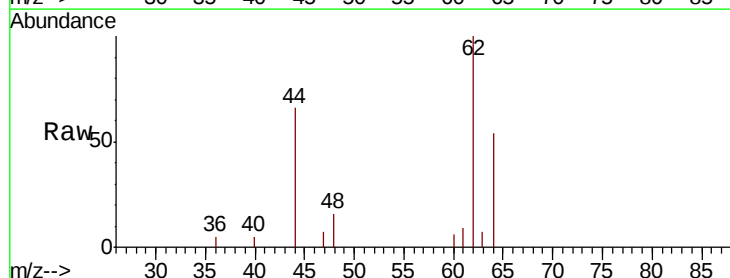
Acq: 09 Mar 2020 18:03

Tgt Ion: 62 Resp: 2295

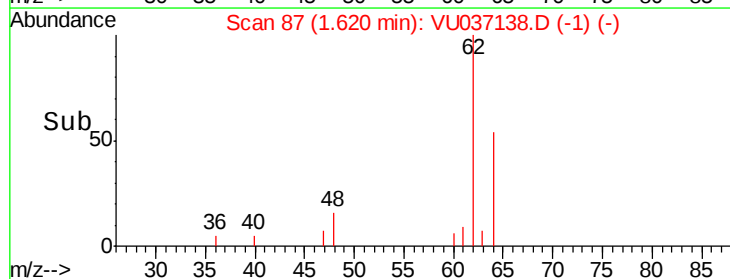
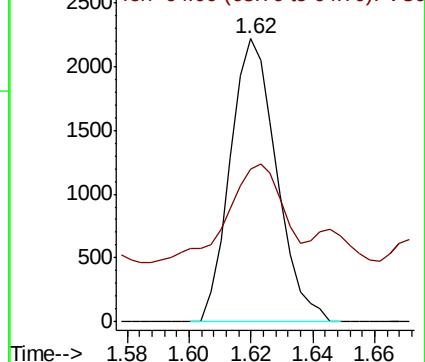
Ion Ratio Lower Upper

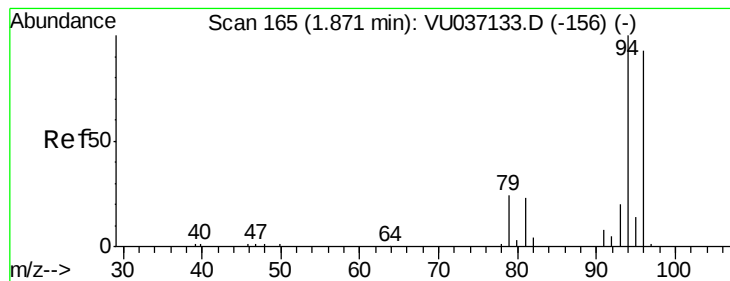
62 100

64 28.2 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VU037138.D (-1) (-)





#5

Bromomethane

Concen: 0.367 ug/l

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

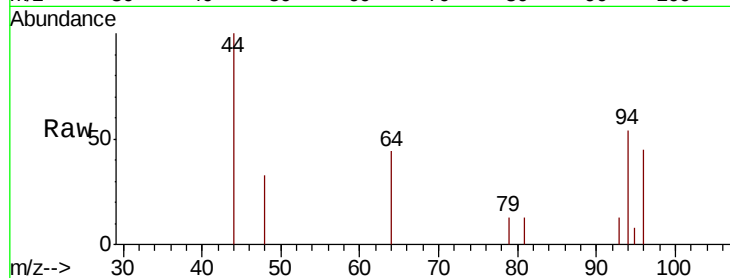
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 94 Resp: 832

Ion Ratio Lower Upper

94 100

96 84.7 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VU037133.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037133.D (-156) (-)

1.87

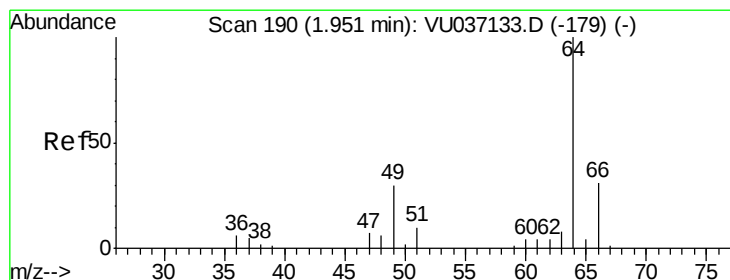
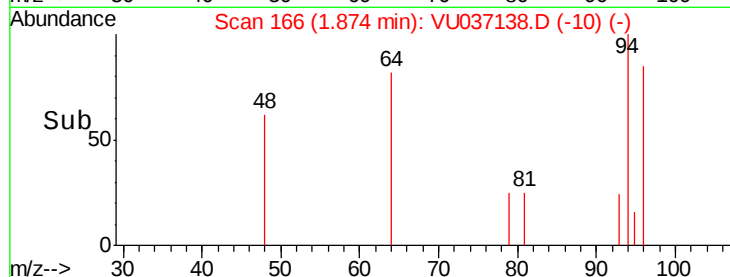
600

400

200

0

Time-->



#6

Chloroethane

Concen: 0.492 ug/l

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037138.D

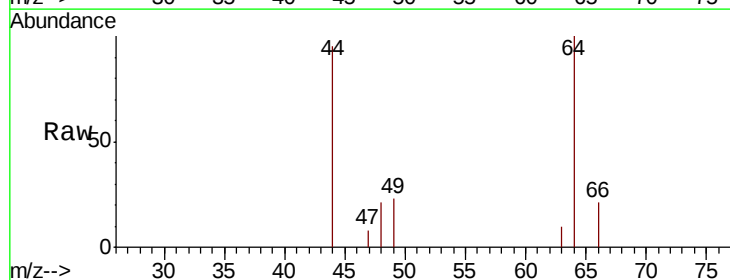
Acq: 09 Mar 2020 18:03

Tgt Ion: 64 Resp: 1532

Ion Ratio Lower Upper

64 100

66 26.4 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU037138.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU037138.D (-179) (-)

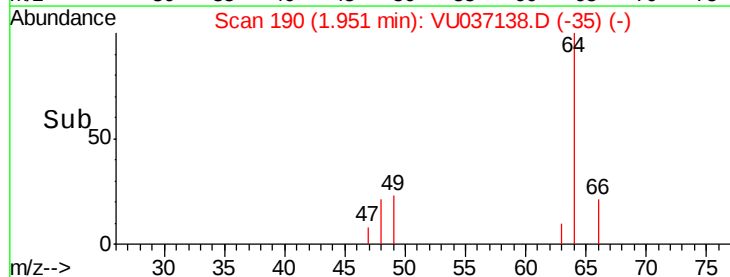
1.95

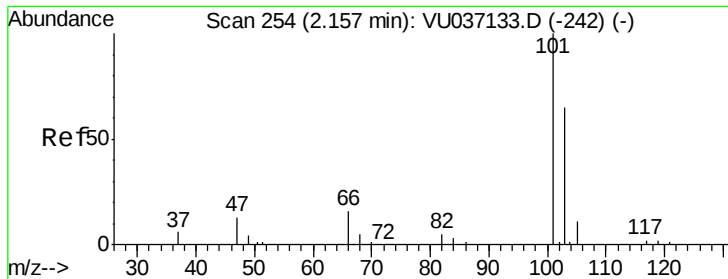
1000

500

0

Time-->



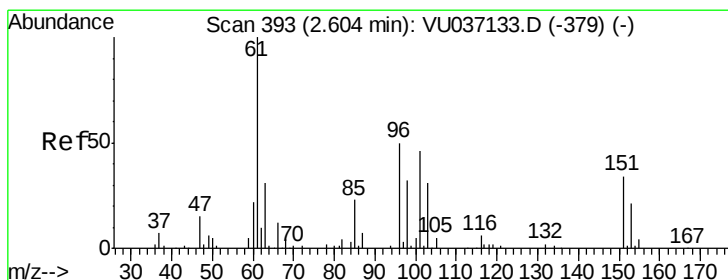
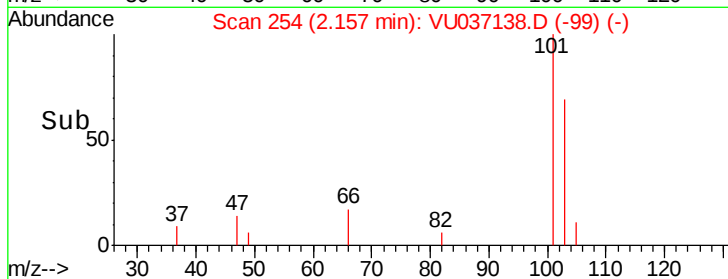
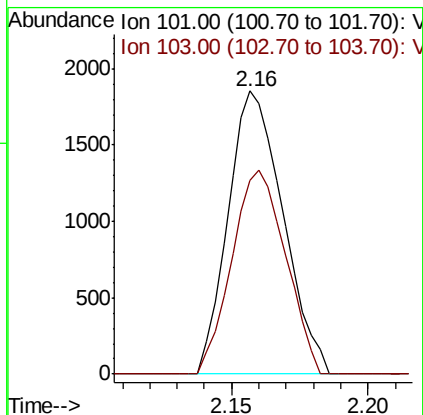
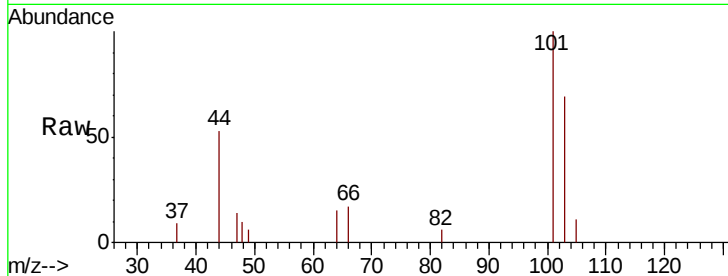


#7

Trichlorofluoromethane
Concen: 0.328 ug/l
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

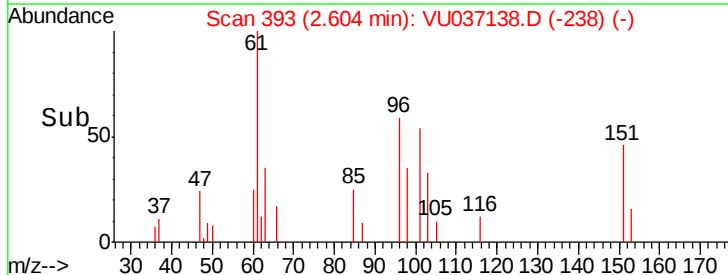
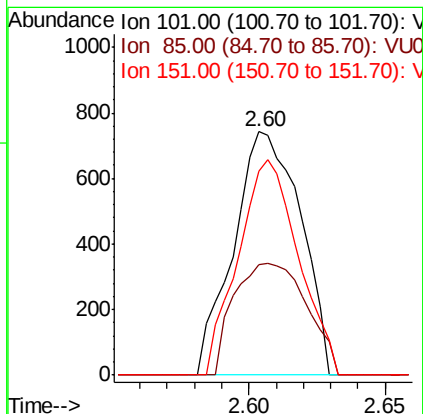
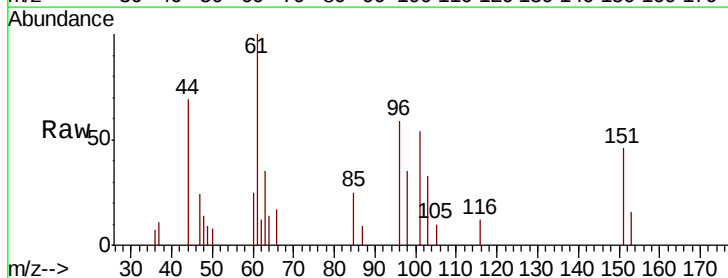
Tot Ion:101 Resp: 2588
Ion Ratio Lower Upper
101 100
103 68.7 53.0 79.6

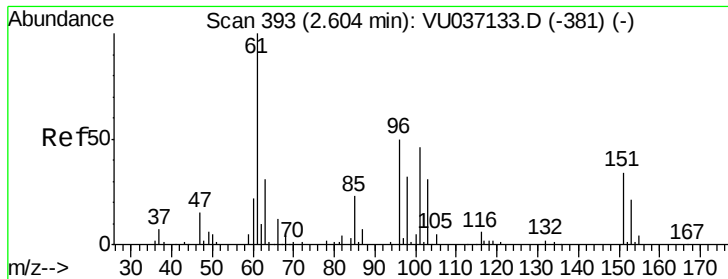


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.342 ug/l
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Tgt Ion:101 Resp: 1266
Ion Ratio Lower Upper
101 100
85 50.1 33.9 50.9
151 79.5 59.8 89.8





#9

1,1-Dichloroethene

Concen: 0.362 ug/l

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

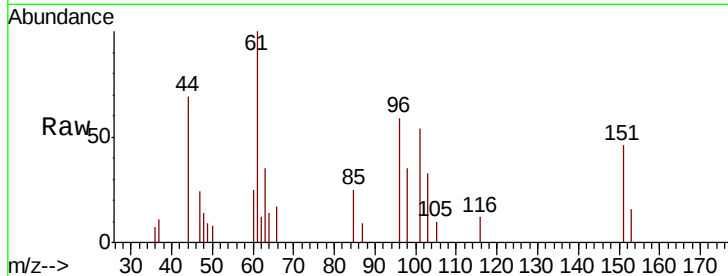
Tot Ion: 96 Resp: 1275

Ion Ratio Lower Upper

96 100

61 168.1 0.0 463.2

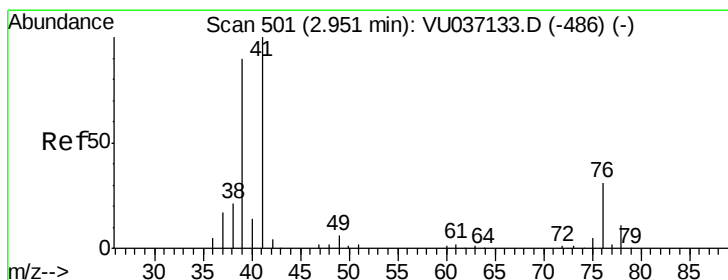
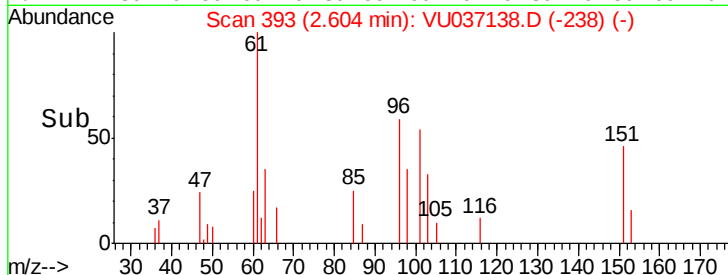
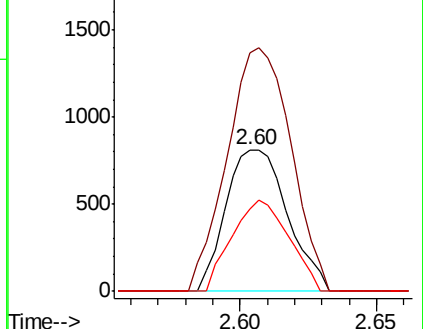
98 58.5 0.0 130.0



Abundance Ion 96.00 (95.70 to 96.70): VU037138.D (-381) (-)

Ion 61.00 (60.70 to 61.70): VU037138.D (-381) (-)

Ion 98.00 (97.70 to 98.70): VU037138.D (-381) (-)



#11

Allyl Chloride

Concen: 0.409 ug/l

RT: 2.95 min Scan# 502

Delta R.T. 0.00 min

Lab File: VU037138.D

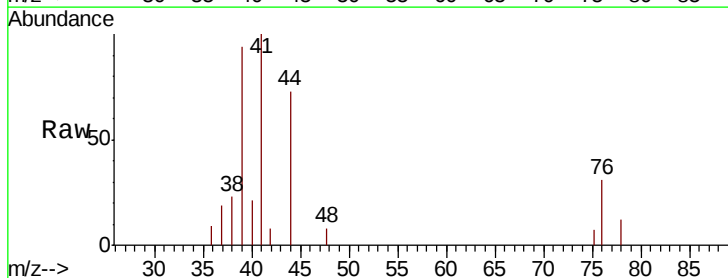
Acq: 09 Mar 2020 18:03

Tgt Ion: 41 Resp: 2793

Ion Ratio Lower Upper

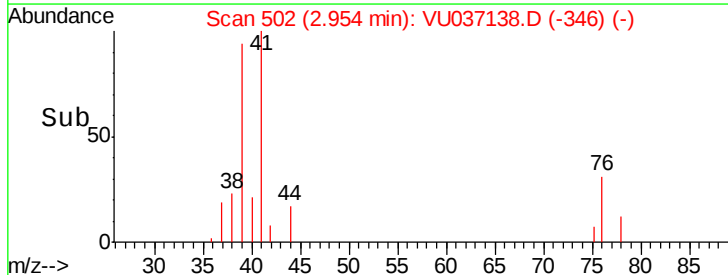
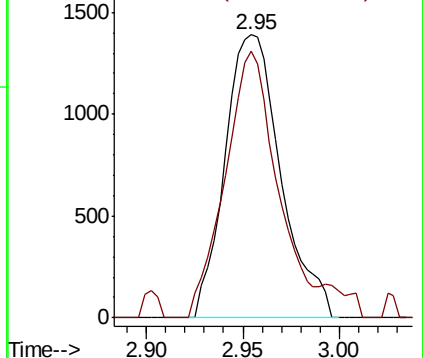
41 100

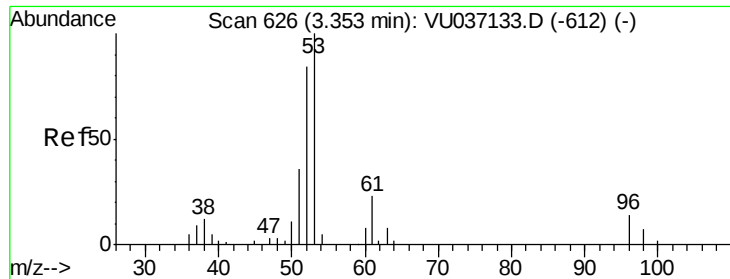
39 88.1 50.7 76.1#



Abundance Ion 41.00 (40.70 to 41.70): VU037138.D (-486) (-)

Ion 39.00 (38.70 to 39.70): VU037138.D (-486) (-)





#12

Acrylonitrile

Concen: 0.615 ug/l

RT: 3.36 min Scan# 628

Delta R.T. 0.01 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

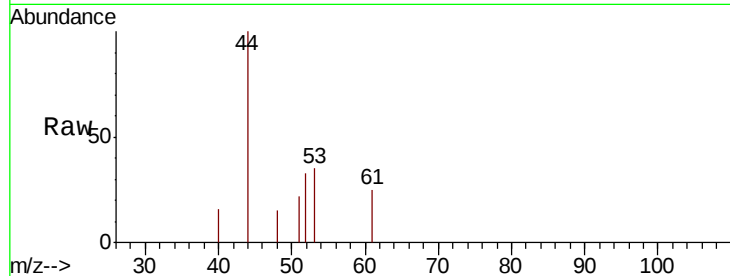
Tot Ion: 53 Resp: 512

Ion Ratio Lower Upper

53 100

52 76.8 64.6 97.0

51 65.6 27.2 40.8#



Abundance Ion 53.00 (52.70 to 53.70): VU037138.D (-612) (-)

Ion 52.00 (51.70 to 52.70): VU037138.D (-612) (-)

Ion 51.00 (50.70 to 51.70): VU037138.D (-612) (-)

3.36

3.32 3.34 3.36 3.38 3.40

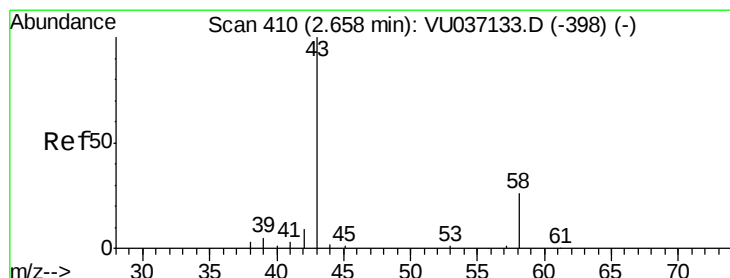
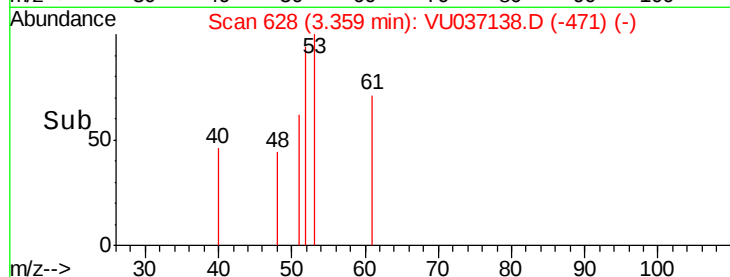
300

200

100

0

Time-->



#13

Acetone

Concen: 1.946 ug/l

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU037138.D

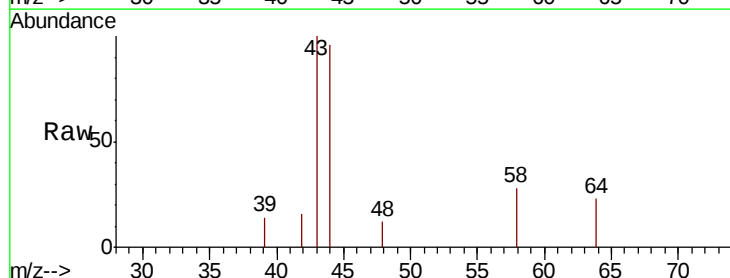
Acq: 09 Mar 2020 18:03

Tgt Ion: 43 Resp: 1801

Ion Ratio Lower Upper

43 100

58 27.9 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VU037138.D (-255) (-)

Ion 58.00 (57.70 to 58.70): VU037138.D (-255) (-)

2.66

2.60 2.65 2.70

1000

800

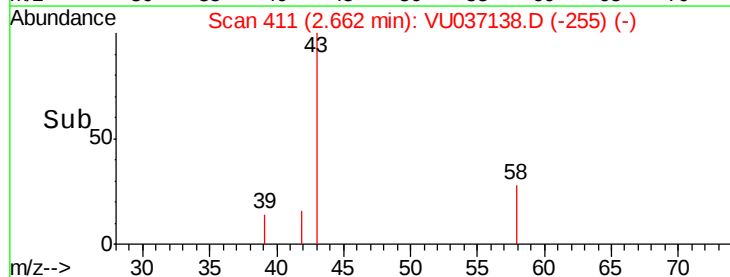
600

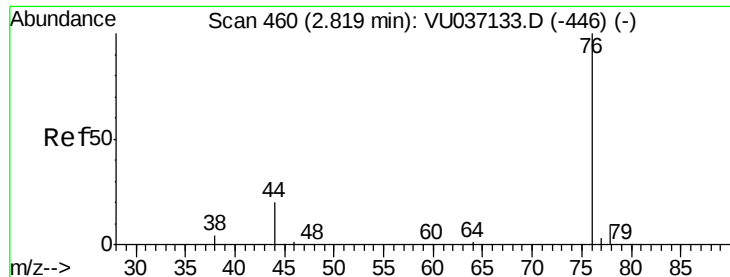
400

200

0

Time-->





#14

Carbon Disulfide

Concen: 0.335 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

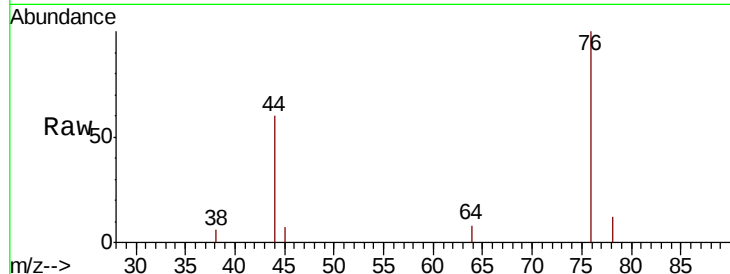
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 76 Resp: 3932

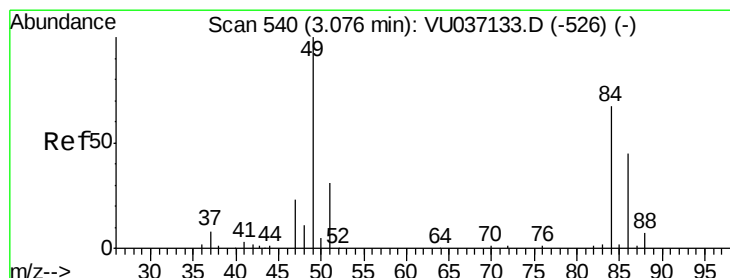
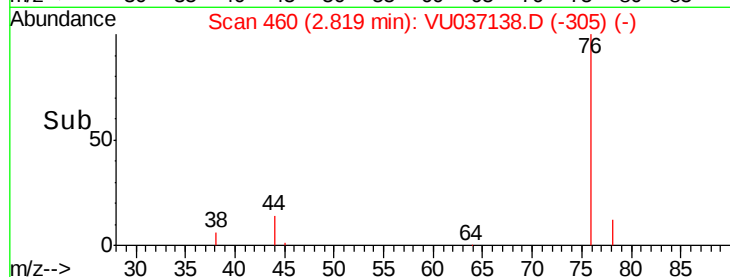
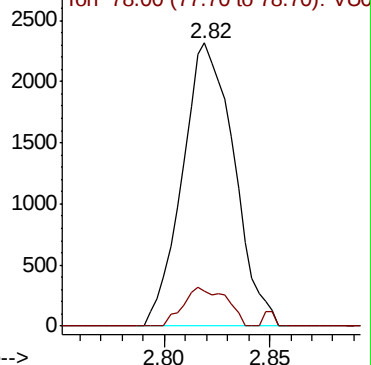
Ion Ratio Lower Upper

76 100

78 12.4 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VU037138.D (-446) (-)



#15

Methylene Chloride

Concen: 0.388 ug/l

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Tgt Ion: 84 Resp: 1715

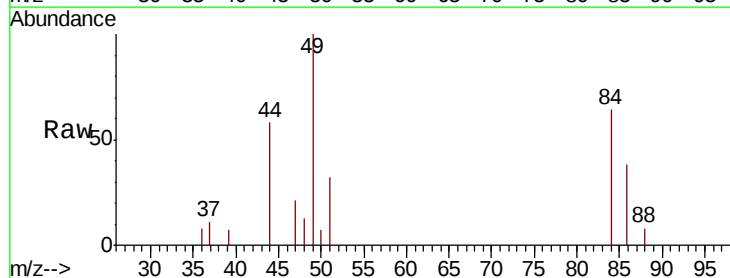
Ion Ratio Lower Upper

84 100

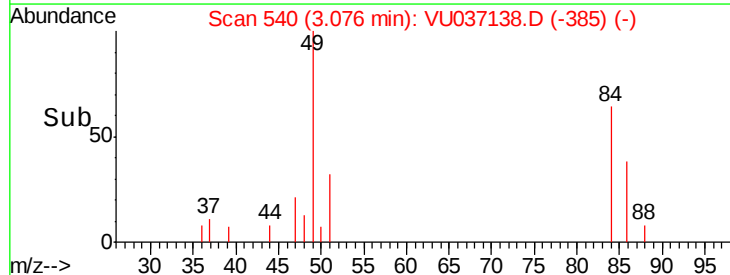
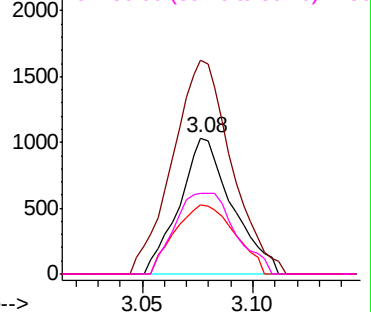
49 156.9 89.7 134.5#

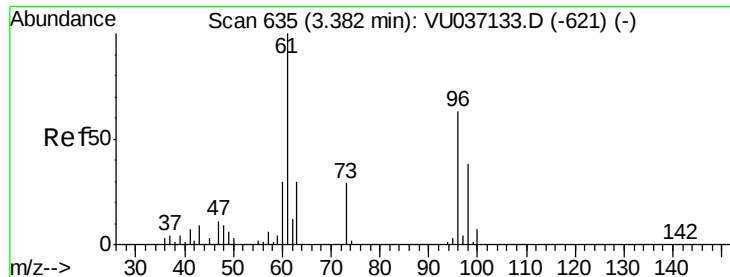
51 50.4 0.0 71.6

86 58.9 51.4 77.2



Abundance Ion 84.00 (83.70 to 84.70): VU037138.D (-526) (-)

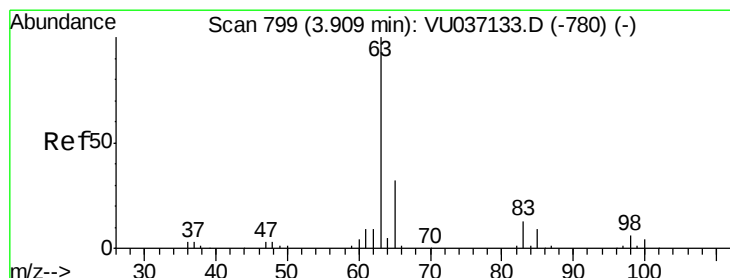
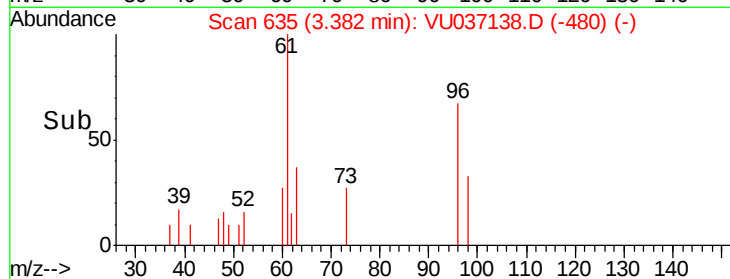
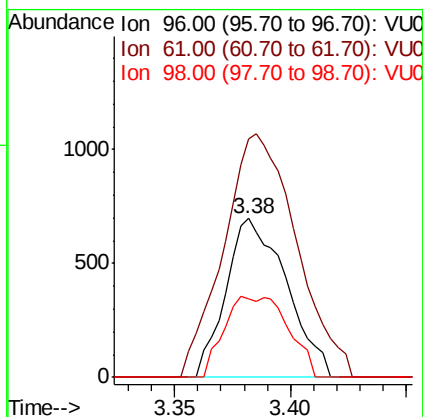
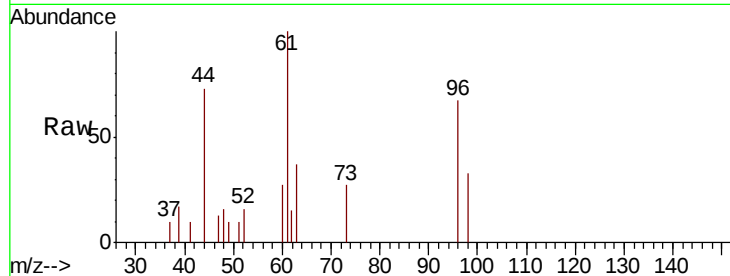




#16
trans-1,2-Dichloroethene
Concen: 0.338 ug/l
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

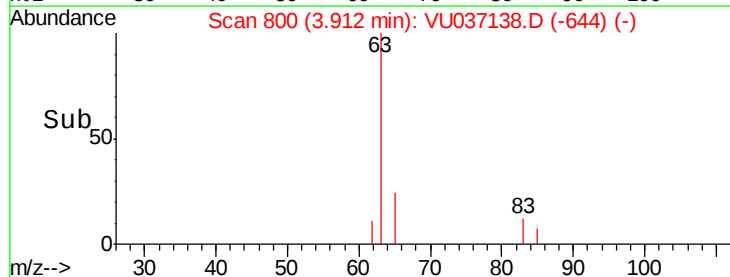
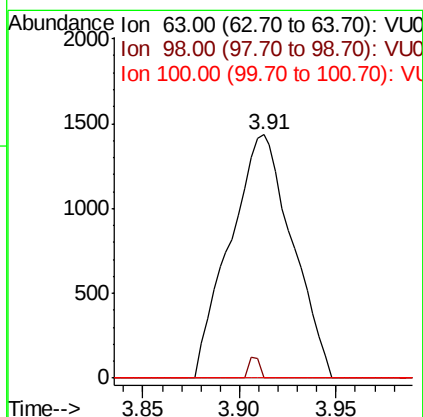
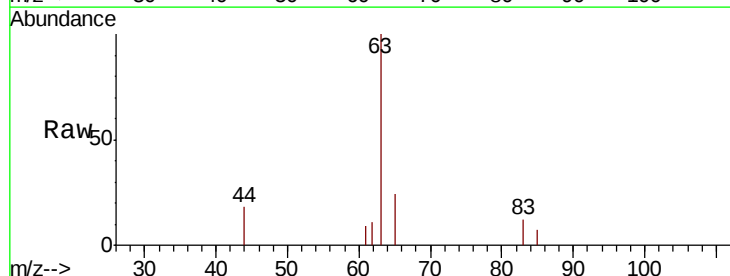
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

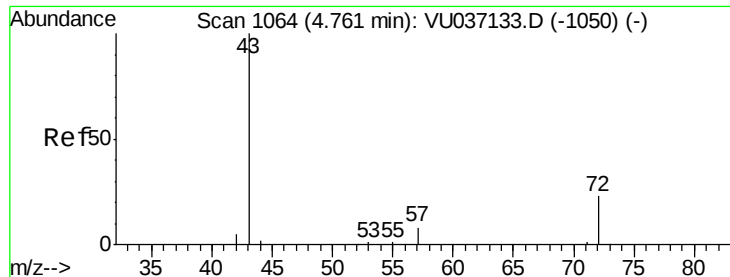
Tot Ion: 96 Resp: 1262
Ion Ratio Lower Upper
96 100
61 134.3 110.8 166.2
98 49.1 50.3 75.5#



#17
1,1-Dichloroethane
Concen: 0.371 ug/l
RT: 3.91 min Scan# 800
Delta R.T. 0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Tgt Ion: 63 Resp: 3217
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.5#
100 0.0 2.4 7.1#

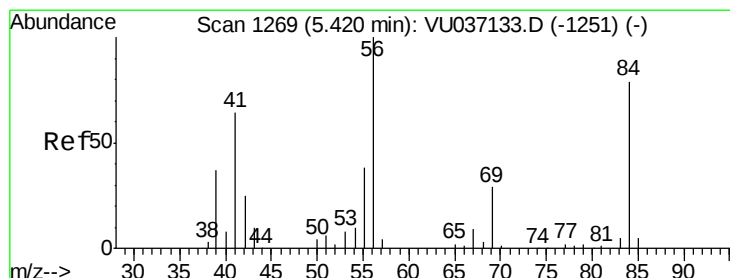
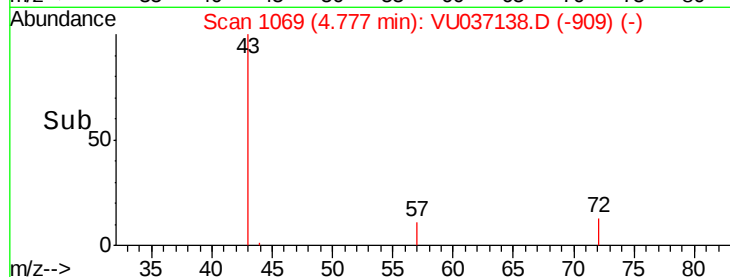
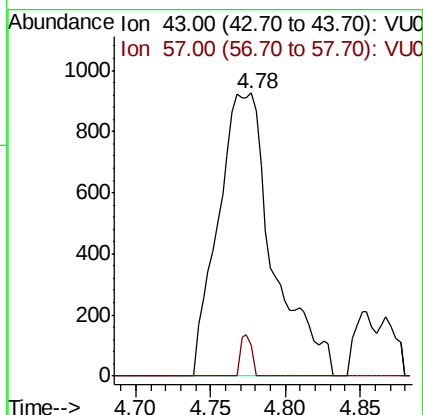
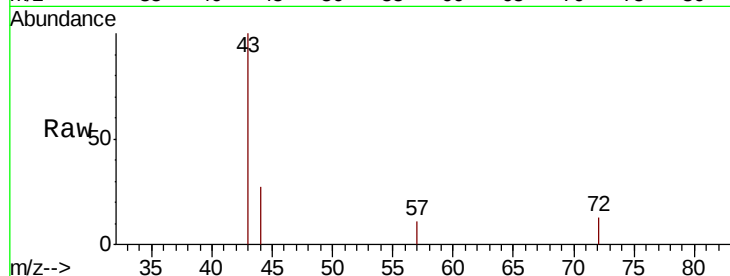




#18
2-Butanone
Concen: 1.672 ug/l
RT: 4.78 min Scan# 1069
Delta R.T. 0.02 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

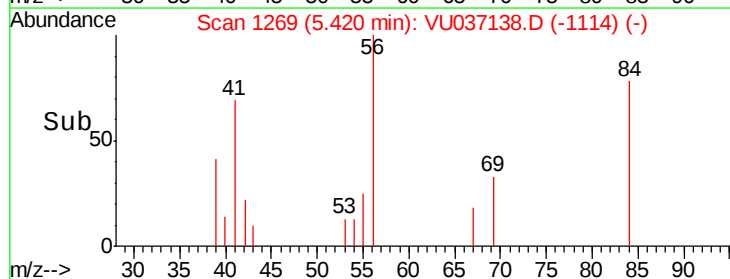
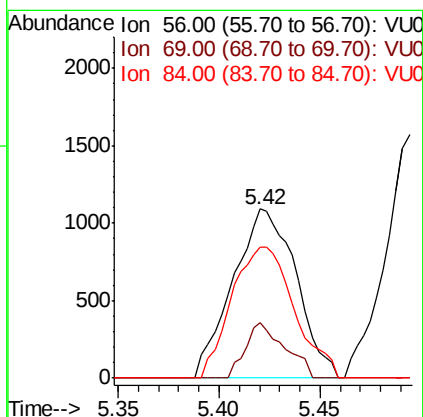
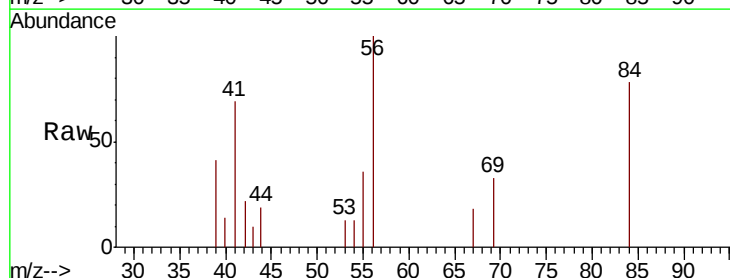
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

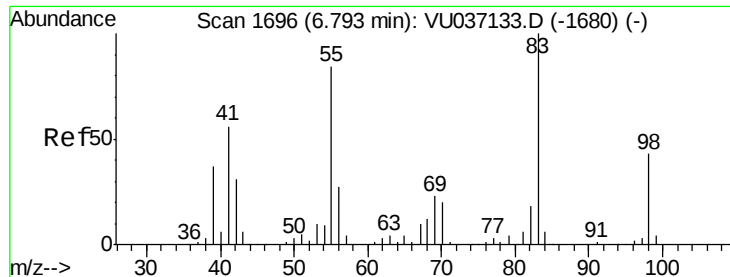
Tot Ion: 43 Resp: 2365
Ion Ratio Lower Upper
43 100
57 10.9 0.0 17.8



#19
Cyclohexane
Concen: 0.323 ug/l
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Tgt Ion: 56 Resp: 2382
Ion Ratio Lower Upper
56 100
69 20.4 26.2 39.2#
84 76.9 72.8 109.2

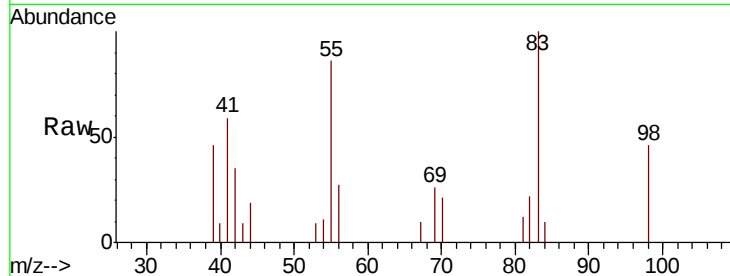




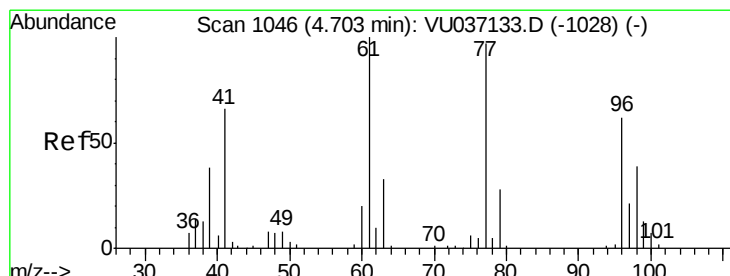
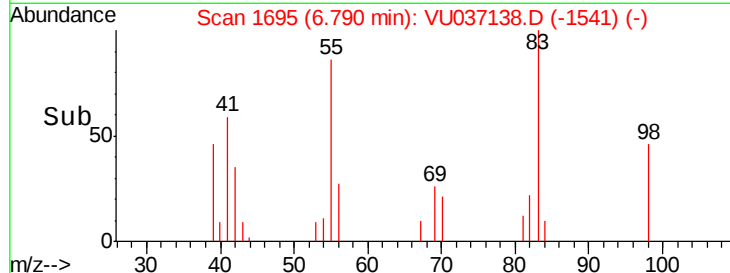
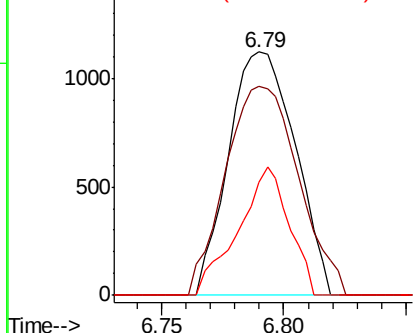
#20
Methvlcvclohexane
Concen: 0.292 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 83 Resp: 2131
Ion Ratio Lower Upper
83 100
55 94.2 56.6 85.0#
98 40.1 37.5 56.3

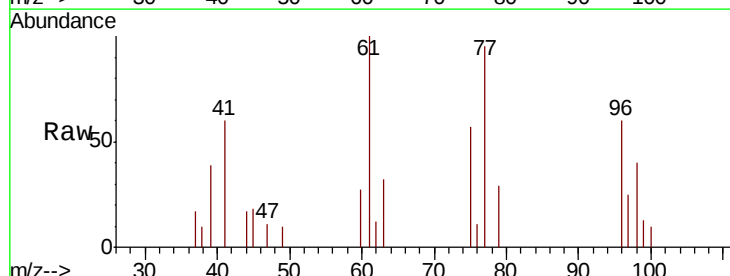


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

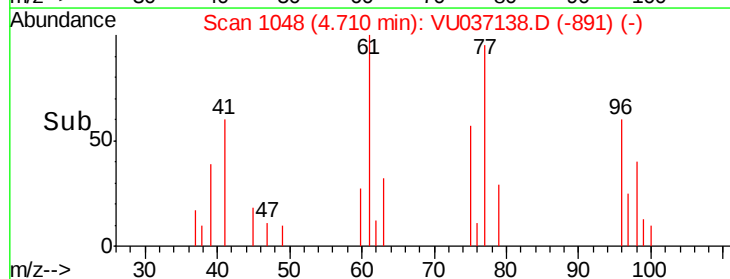
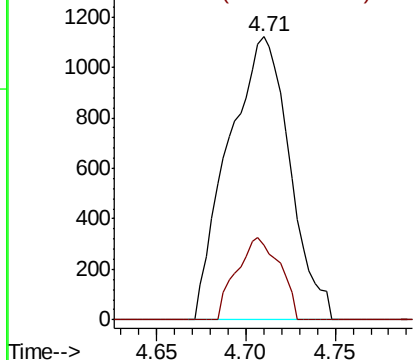


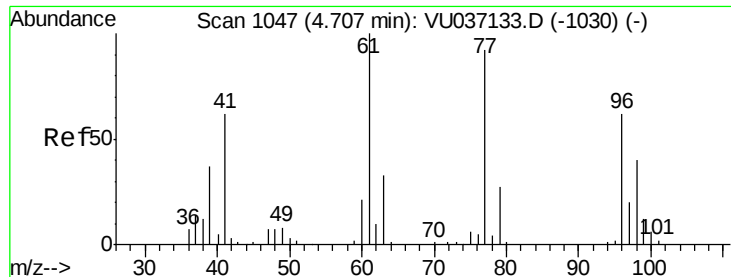
#21
2,2-Dichloropropane
Concen: 0.340 ug/l
RT: 4.71 min Scan# 1048
Delta R.T. 0.01 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Tgt Ion: 77 Resp: 2688
Ion Ratio Lower Upper
77 100
97 20.5 19.0 28.4



Abundance Ion 77.00 (76.70 to 77.70): VU0
Ion 97.00 (96.70 to 97.70): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.314 ug/l

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

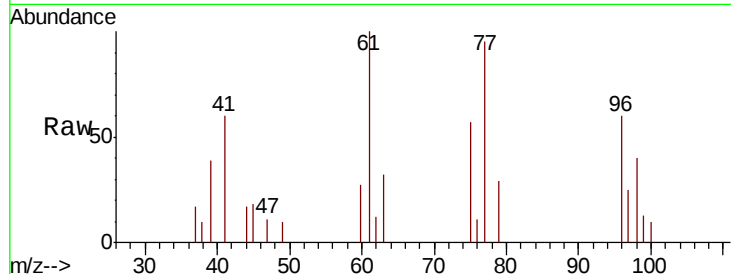
Tot Ion: 96 Resp: 1454

Ion Ratio Lower Upper

96 100

61 172.9 0.0 342.0

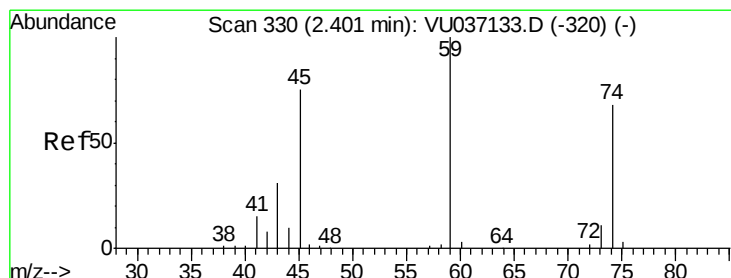
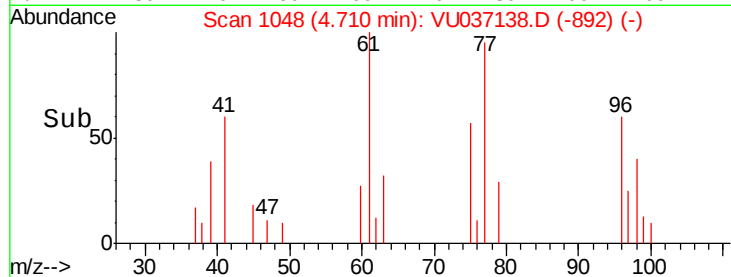
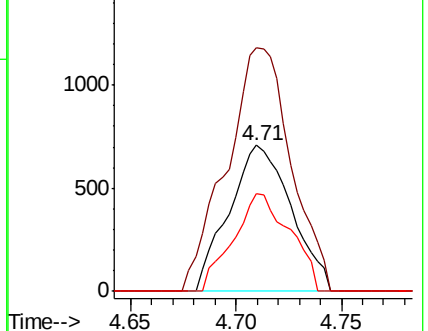
98 60.7 32.0 96.0



Abundance Ion 96.00 (95.70 to 96.70): VU037138.D (-1030) (-)

Ion 61.00 (60.70 to 61.70): VU037138.D (-1030) (-)

Ion 98.00 (97.70 to 98.70): VU037138.D (-1030) (-)



#23

Diethyl Ether

Concen: 0.357 ug/l

RT: 2.41 min Scan# 332

Delta R.T. 0.01 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

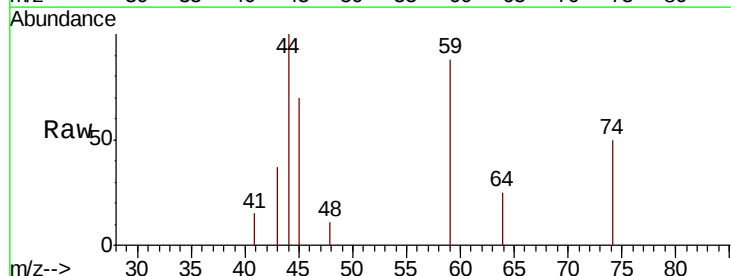
Tgt Ion: 59 Resp: 1063

Ion Ratio Lower Upper

59 100

45 93.9 52.4 78.6#

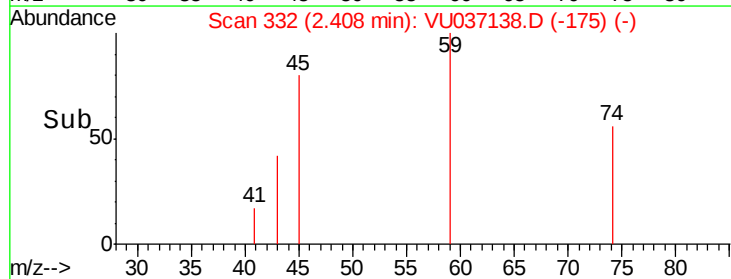
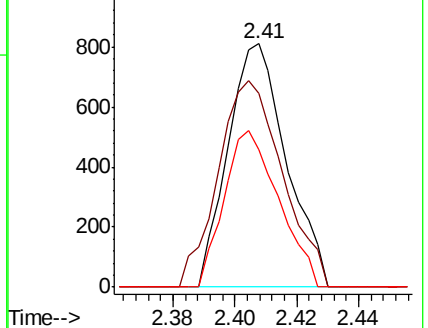
74 59.9 62.1 93.1#

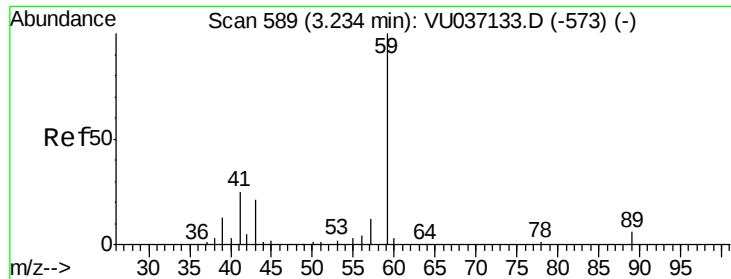


Abundance Ion 59.00 (58.70 to 59.70): VU037138.D (-320) (-)

Ion 45.00 (44.70 to 45.70): VU037138.D (-320) (-)

Ion 74.00 (73.70 to 74.70): VU037138.D (-320) (-)



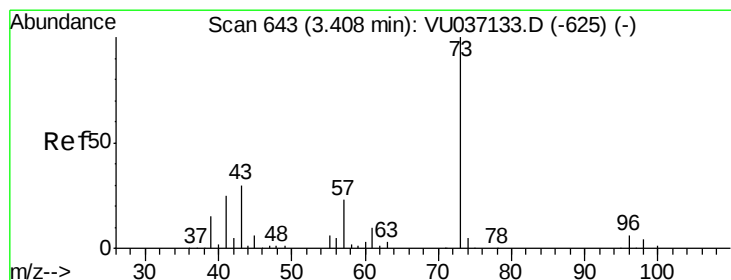
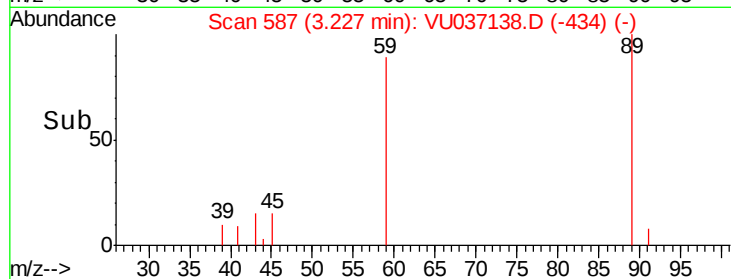
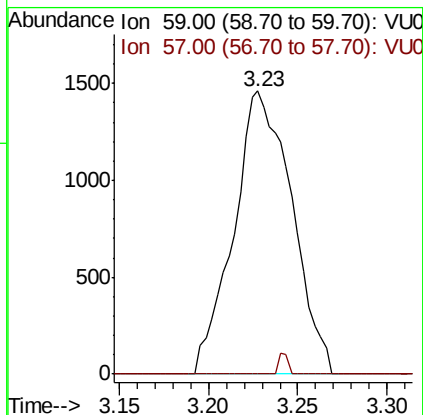
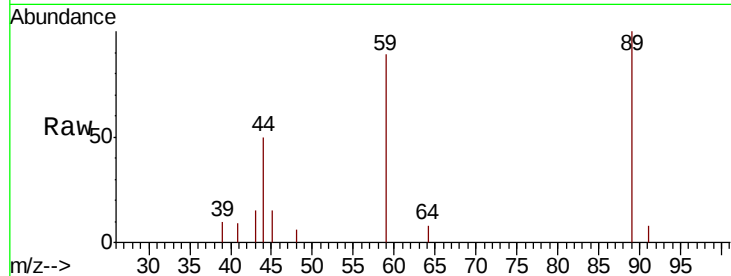


#24

tert-Butyl Alcohol
 Concen: 10.181 ug/l
 RT: 3.23 min Scan# 587
 Delta R.T. -0.01 min
 Lab File: VU037138.D
 Acq: 09 Mar 2020 18:03

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

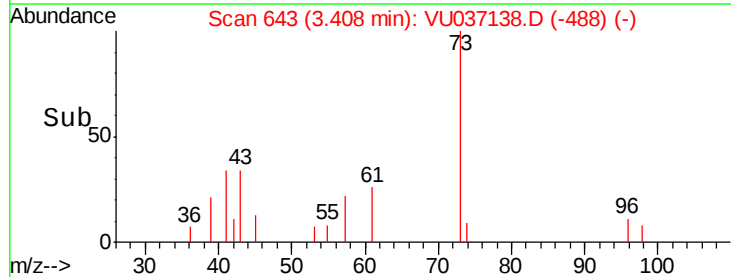
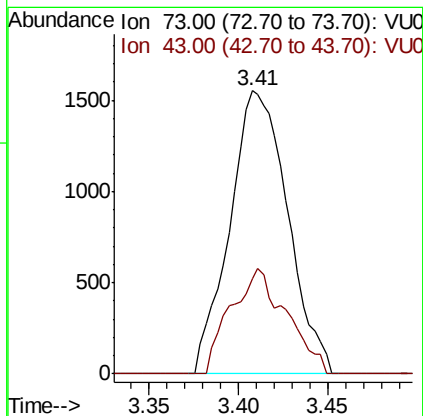
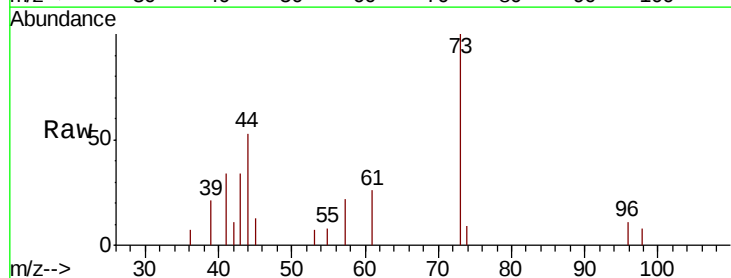
Tot Ion: 59 Resp: 3319
 Ion Ratio Lower Upper
 59 100
 57 1.2 8.4 12.6#

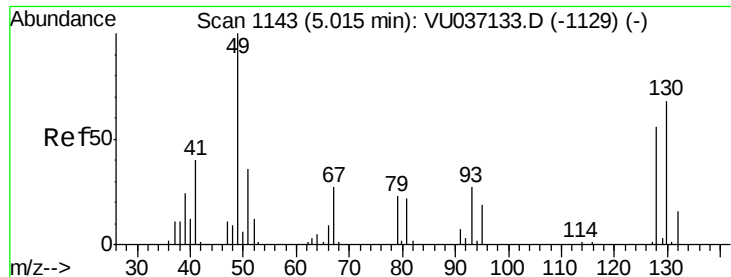


#25

Methyl tert-Butyl Ether
 Concen: 0.341 ug/l
 RT: 3.41 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: VU037138.D
 Acq: 09 Mar 2020 18:03

Tgt Ion: 73 Resp: 3512
 Ion Ratio Lower Upper
 73 100
 43 35.7 14.5 21.7#

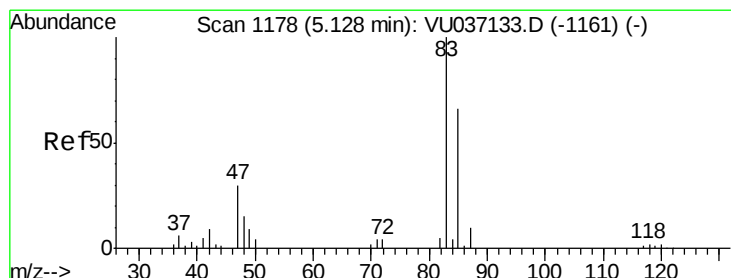
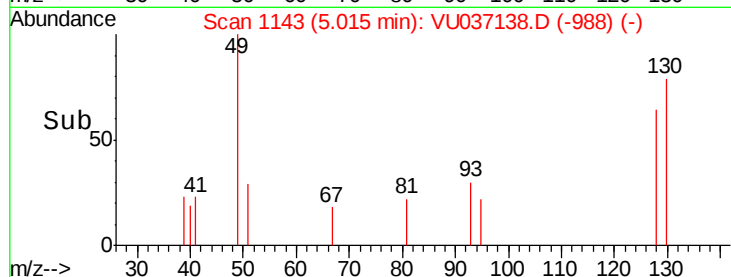
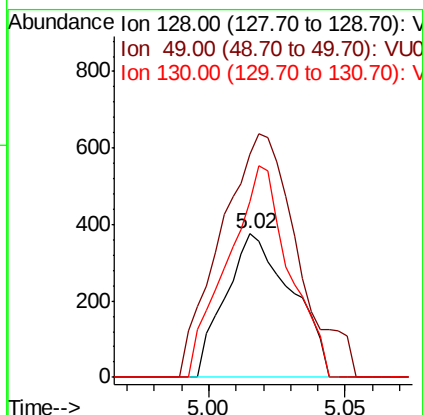
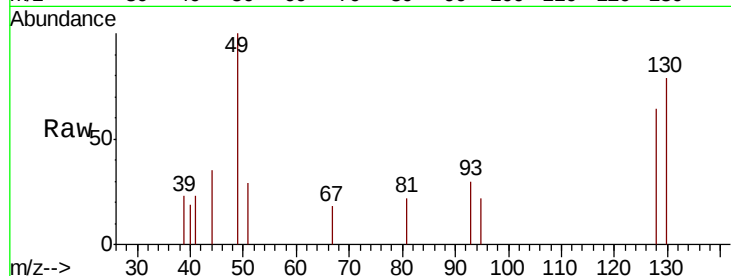




#26
Bromochloromethane
Concen: 0.312 ug/l
RT: 5.02 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

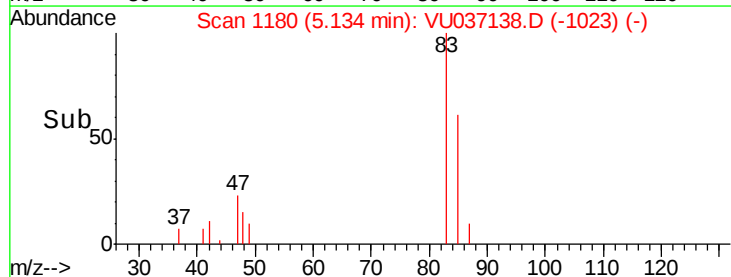
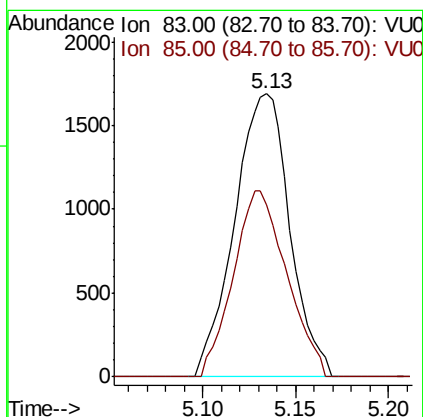
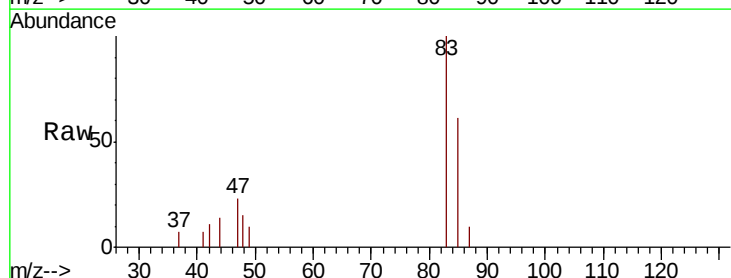
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

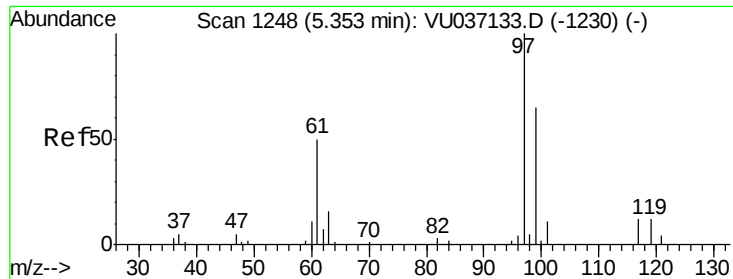
Tot Ion:128 Resp: 636
Ion Ratio Lower Upper
128 100
49 195.8 0.0 286.2
130 137.1 104.3 156.5



#27
Chloroform
Concen: 0.376 ug/l
RT: 5.13 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Tgt Ion: 83 Resp: 3511
Ion Ratio Lower Upper
83 100
85 60.8 0.0 129.0

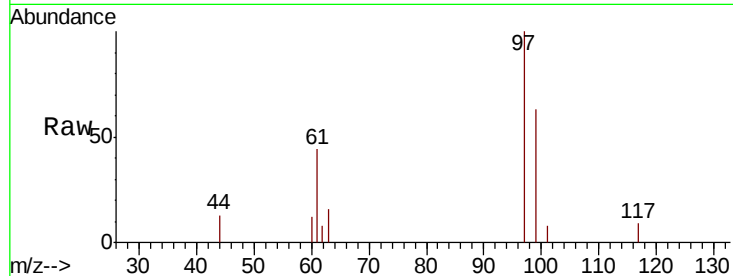




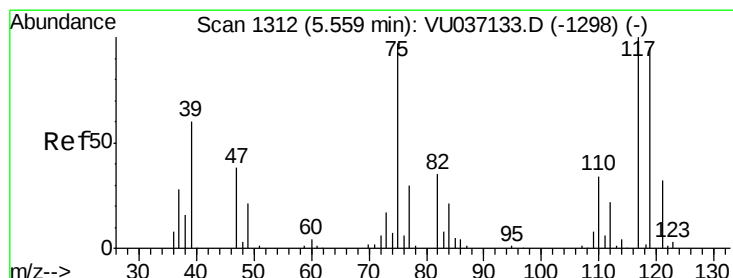
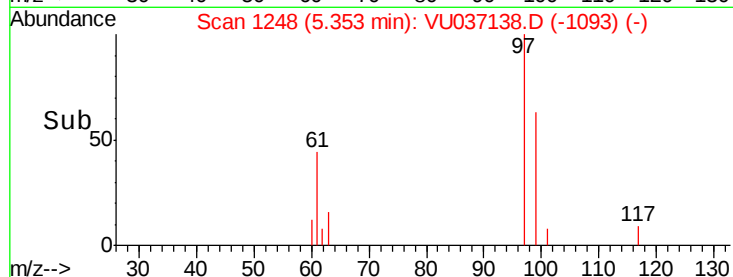
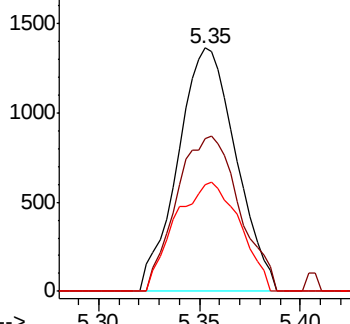
#28
 1,1,1-Trichloroethane
 Concen: 0.345 ug/l
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037138.D
 Acq: 09 Mar 2020 18:03

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion: 97 Resp: 2743
 Ion Ratio Lower Upper
 97 100
 99 68.8 32.1 96.3
 61 49.6 22.7 68.0

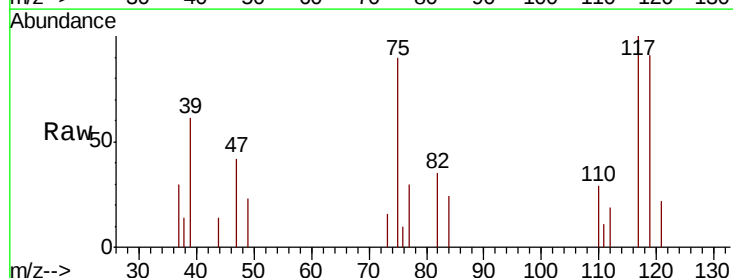


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0

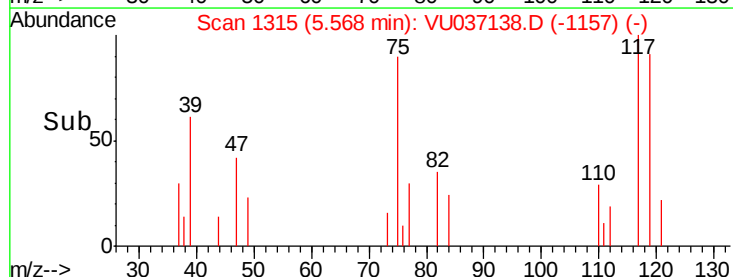
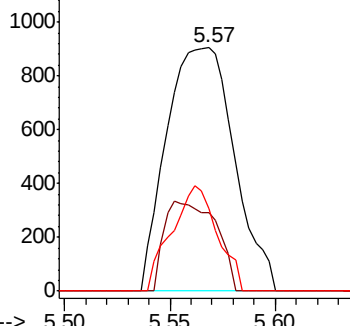


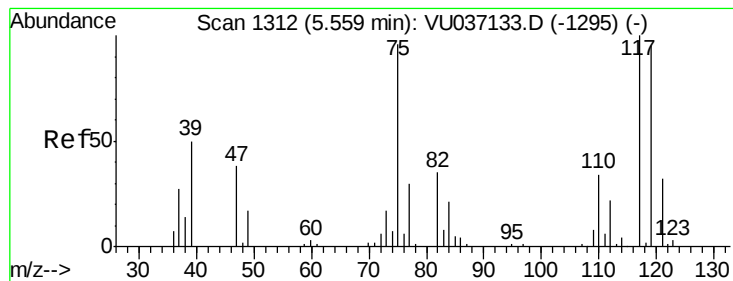
#29
 1,1-Dichloropropene
 Concen: 0.313 ug/l
 RT: 5.57 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VU037138.D
 Acq: 09 Mar 2020 18:03

Tgt Ion: 75 Resp: 2024
 Ion Ratio Lower Upper
 75 100
 110 28.0 18.6 55.8
 77 29.0 25.0 37.4



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





#30

Carbon Tetrachloride

Concen: 0.310 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

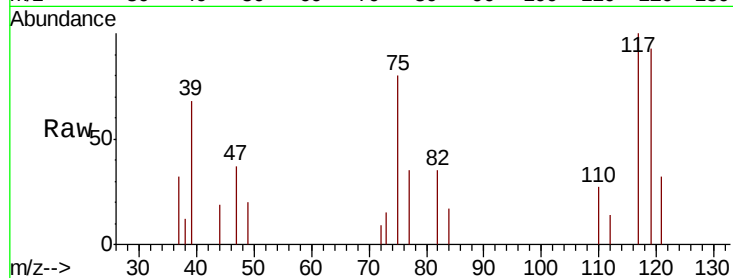
Tot Ion:117 Resp: 2159

Ion Ratio Lower Upper

117 100

119 92.9 77.0 115.6

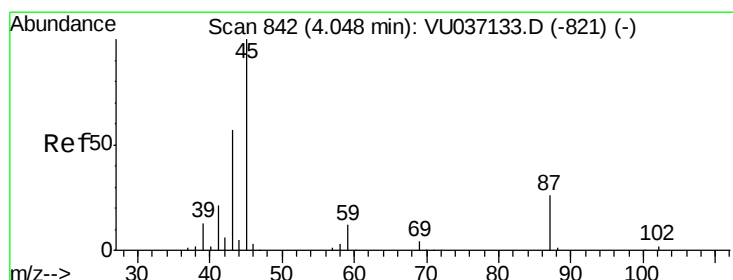
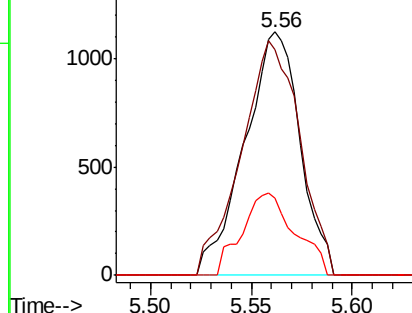
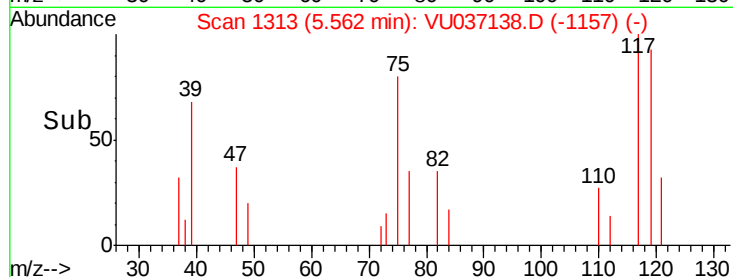
121 31.6 23.3 34.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#31

Isopropyl Ether

Concen: 0.317 ug/l

RT: 4.05 min Scan# 843

Delta R.T. 0.00 min

Lab File: VU037138.D

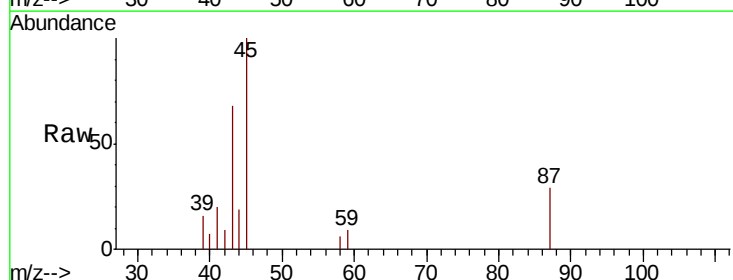
Acq: 09 Mar 2020 18:03

Tgt Ion: 45 Resp: 4387

Ion Ratio Lower Upper

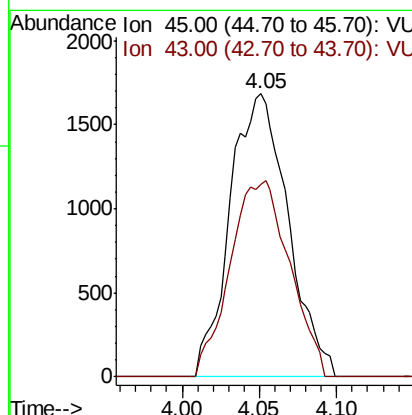
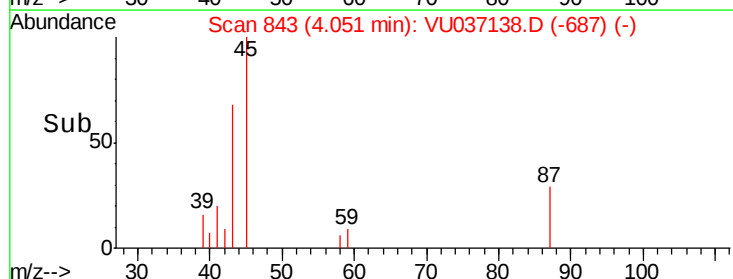
45 100

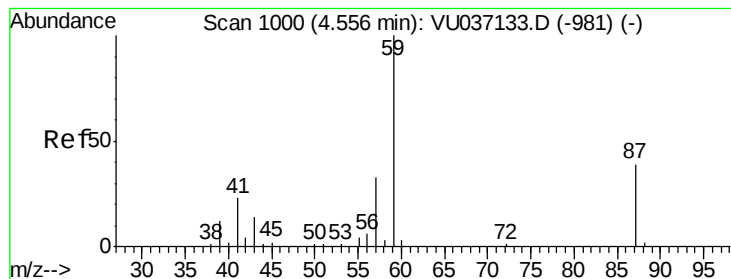
43 71.3 24.0 72.0



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0





#32

Ethyl-t-butyl ether

Concen: 0.324 ug/l

RT: 4.56 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

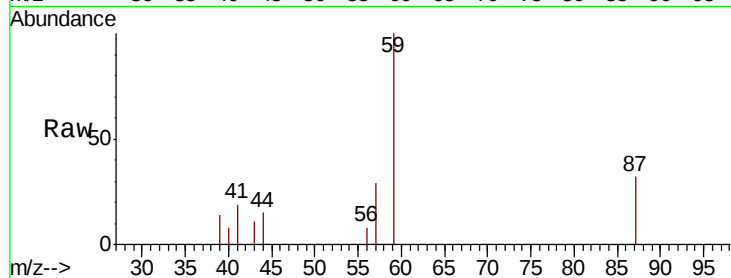
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 59 Resp: 4235

Ion Ratio Lower Upper

59 100

87 35.5 35.1 52.7



Abundance Ion 59.00 (58.70 to 59.70): VU037133.D (-981) (-)

Ion 87.00 (86.70 to 87.70): VU037133.D (-981) (-)

4.56

1500

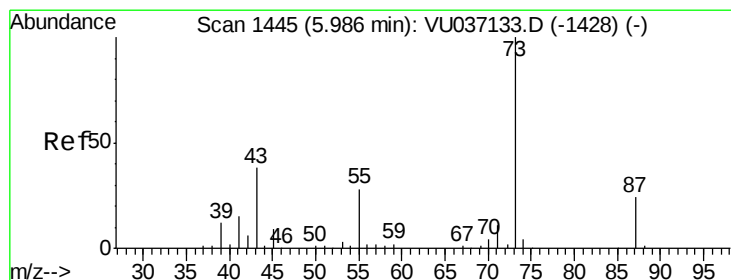
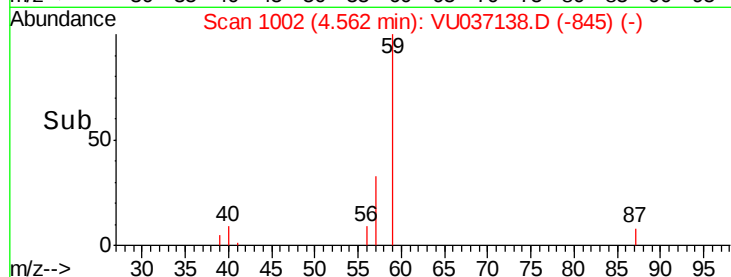
1000

500

0

4.50 4.55 4.60

Time-->



#33

Tert-Amyl methyl ether

Concen: 0.310 ug/l

RT: 5.99 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

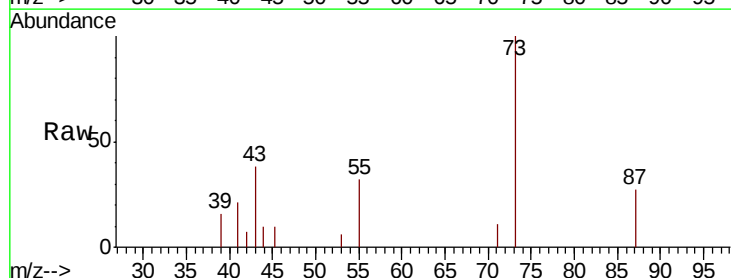
Tgt Ion: 73 Resp: 3480

Ion Ratio Lower Upper

73 100

87 22.0 19.8 29.6

71 4.9 9.1 13.7#



Abundance Ion 73.00 (72.70 to 73.70): VU037133.D (-1428) (-)

Ion 87.00 (86.70 to 87.70): VU037133.D (-1428) (-)

Ion 71.00 (70.70 to 71.70): VU037133.D (-1428) (-)

5.99

2000

1500

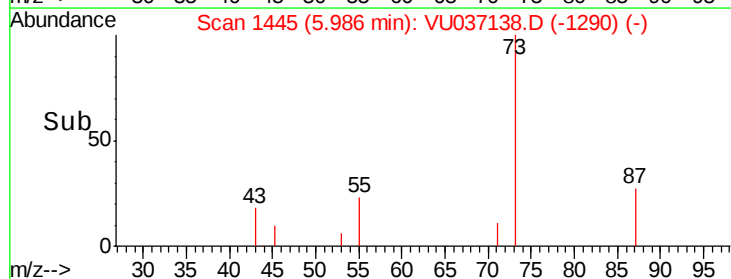
1000

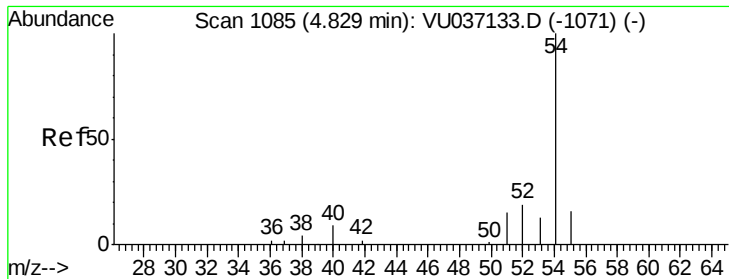
500

0

5.95 6.00 6.05

Time-->





#34

Propionitrile

Concen: 1.616 ug/l

RT: 4.83 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion: 54 Resp: 601

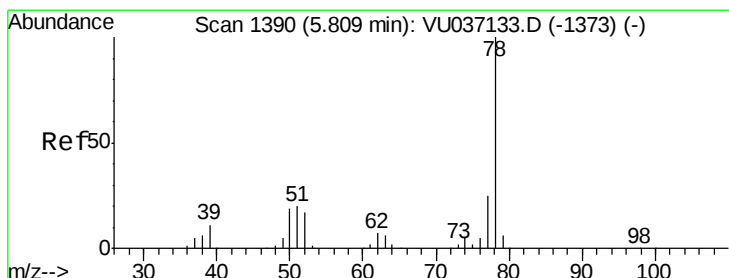
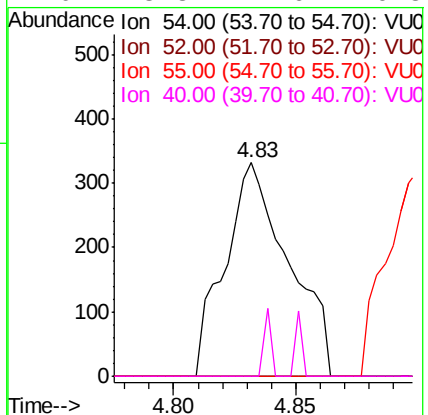
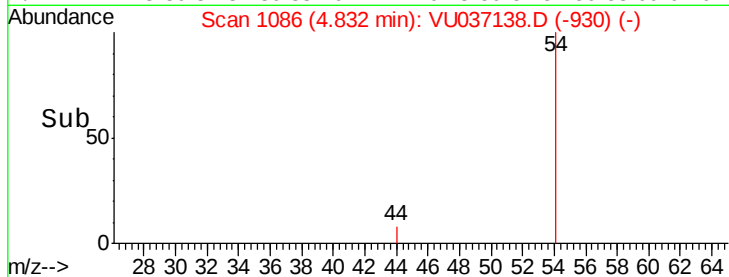
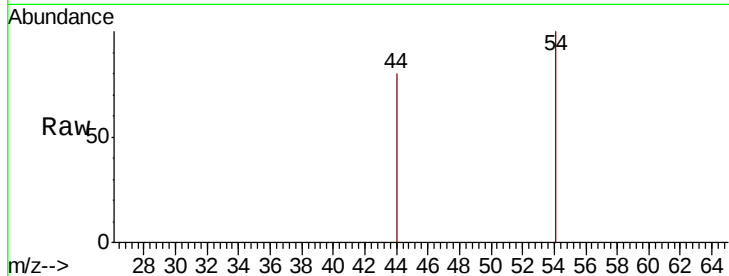
Ion Ratio Lower Upper

54 100

52 0.0 15.2 22.8#

55 0.0 9.5 14.3#

40 3.3 4.6 6.8#



#35

Benzene

Concen: 0.351 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU037138.D

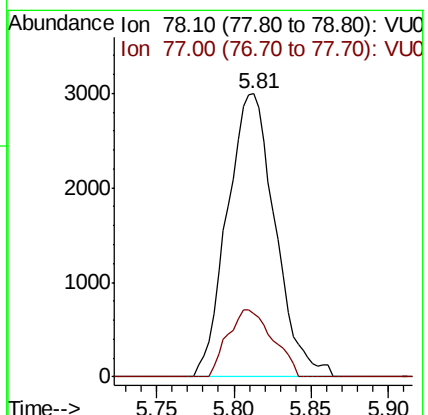
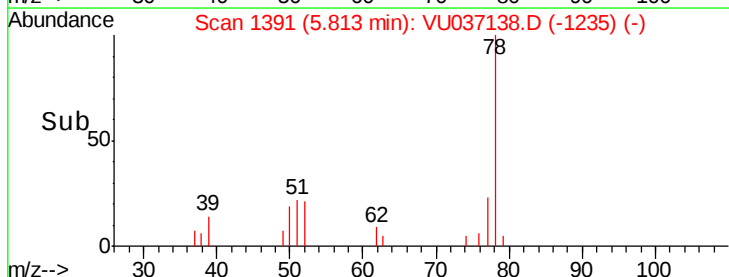
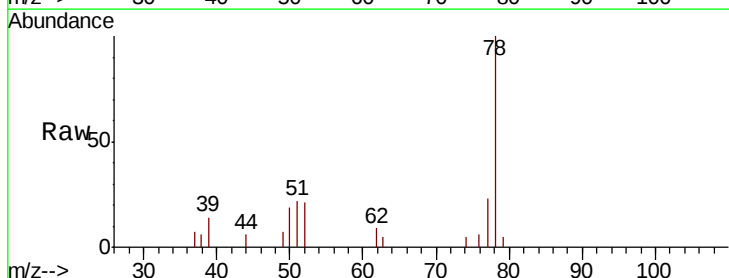
Acq: 09 Mar 2020 18:03

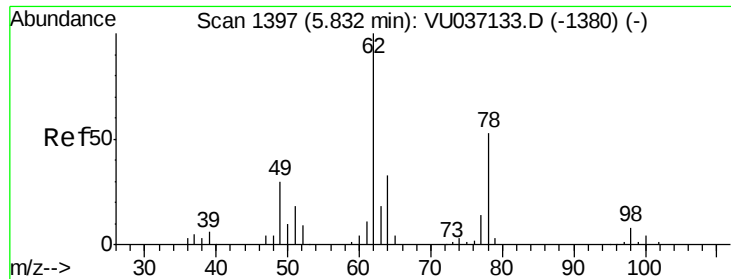
Tgt Ion: 78 Resp: 6450

Ion Ratio Lower Upper

78 100

77 22.5 19.4 29.0





#36

1,2-Dichloroethane

Concen: 0.342 ug/l

RT: 5.84 min Scan# 1399

Delta R.T. 0.01 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

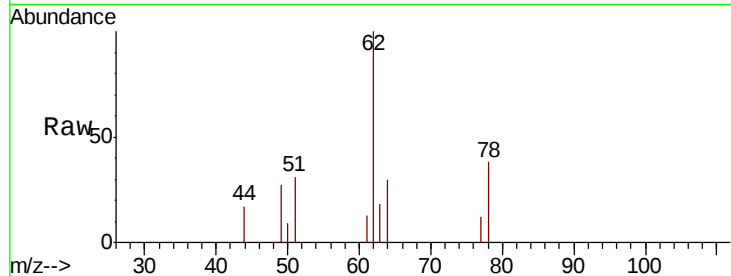
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 62 Resp: 2280

Ion Ratio Lower Upper

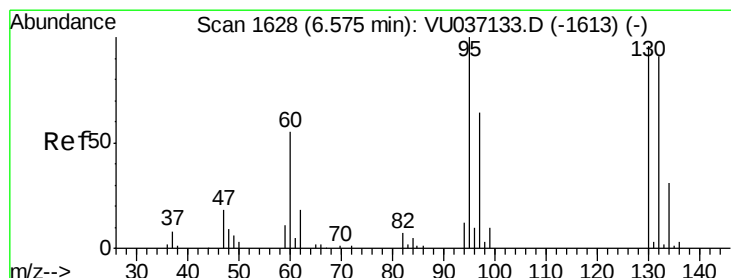
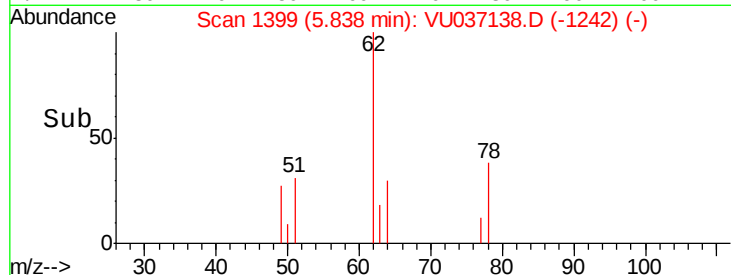
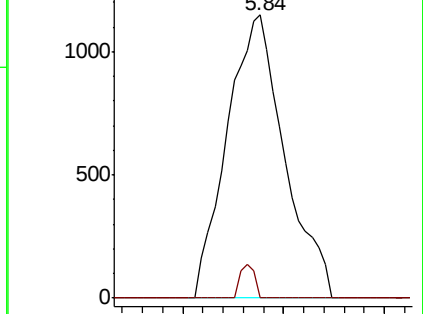
62 100

98 3.0 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU037138.D (-1380) (-)

Ion 98.00 (97.70 to 98.70): VU037138.D (-1380) (-)



#37

Trichloroethene

Concen: 0.348 ug/l

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU037138.D

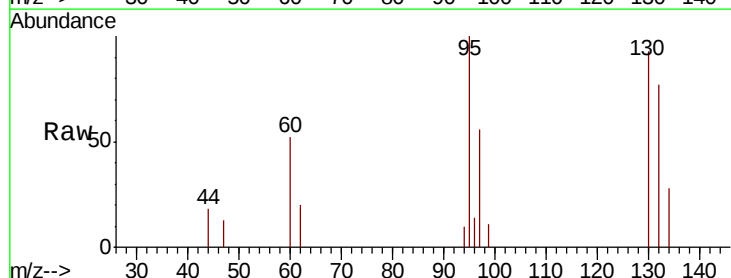
Acq: 09 Mar 2020 18:03

Tgt Ion:130 Resp: 1677

Ion Ratio Lower Upper

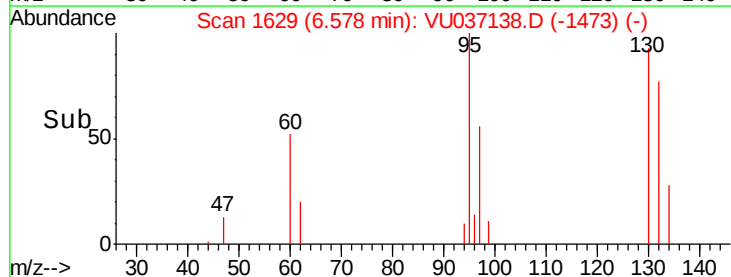
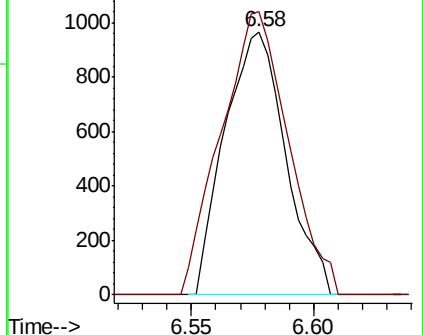
130 100

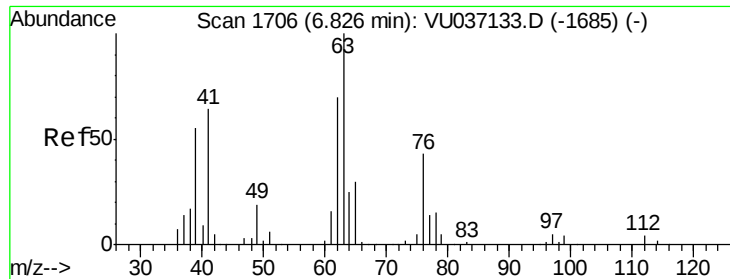
95 107.4 77.0 115.4



Abundance Ion 129.90 (129.60 to 130.60): VU037138.D (-1473) (-)

Ion 94.90 (94.60 to 95.60): VU037138.D (-1473) (-)

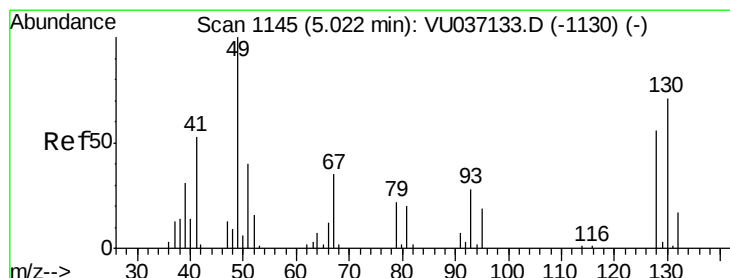
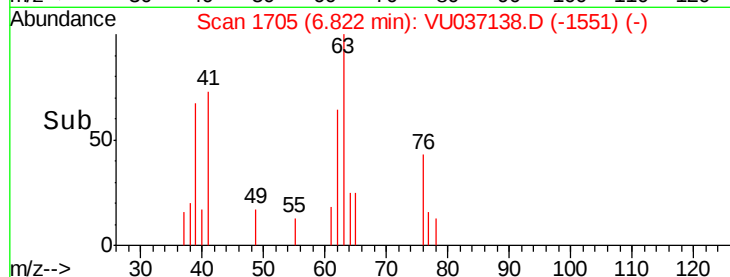
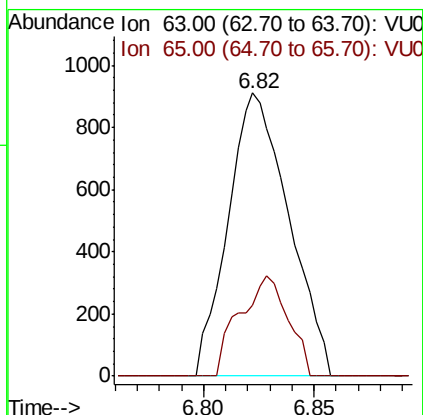
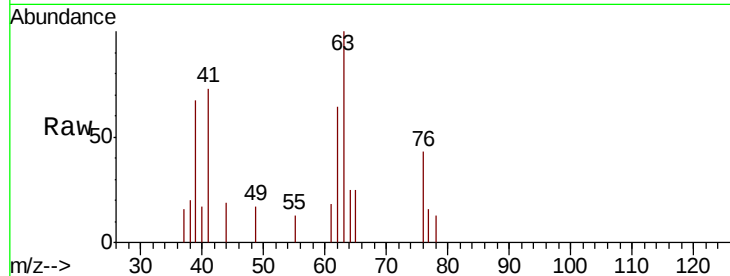




#38
 1,2-Dichloropropane
 Concen: 0.345 ug/l
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037138.D
 Acq: 09 Mar 2020 18:03

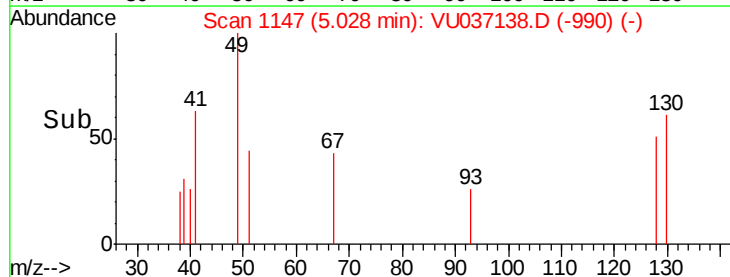
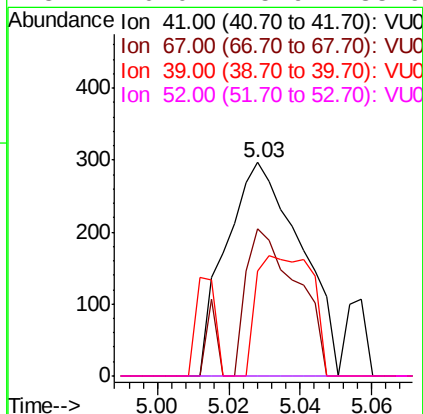
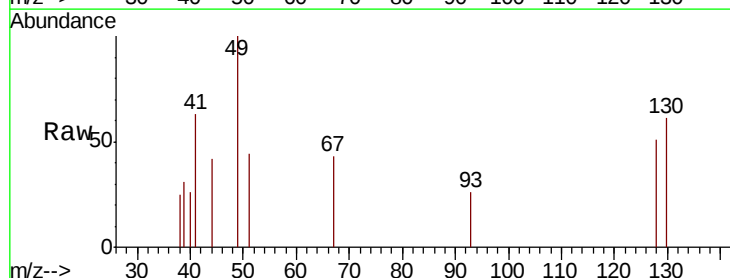
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

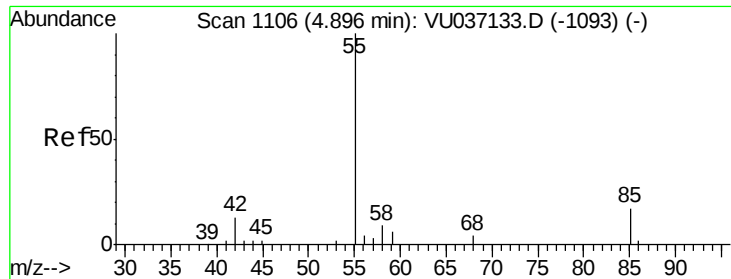
Tot Ion: 63 Resp: 1737
 Ion Ratio Lower Upper
 63 100
 65 25.1 24.7 37.1



#39
 Methacrylonitrile
 Concen: 0.240 ug/l
 RT: 5.03 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: VU037138.D
 Acq: 09 Mar 2020 18:03

Tgt Ion: 41 Resp: 430
 Ion Ratio Lower Upper
 41 100
 67 47.0 69.6 104.4#
 39 41.9 41.6 62.4
 52 0.0 25.9 38.9#

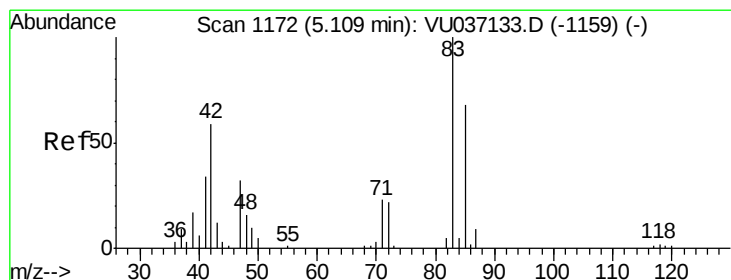
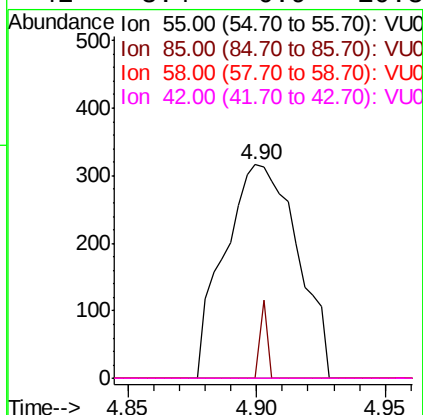
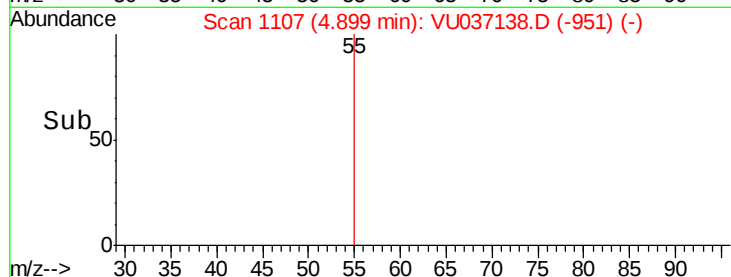
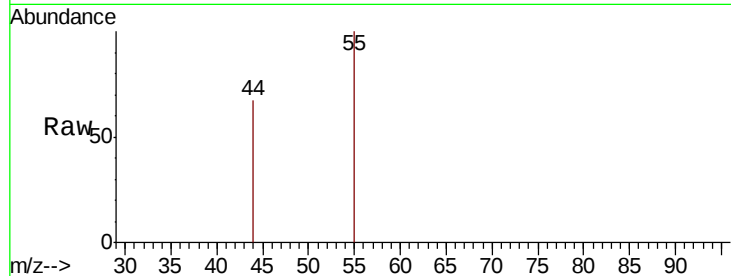




#40
Methvl acrvlate
Concen: 0.251 ug/l
RT: 4.90 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

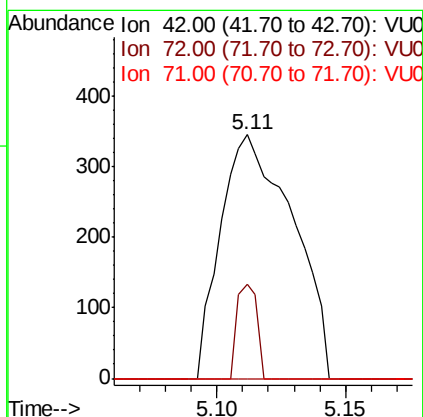
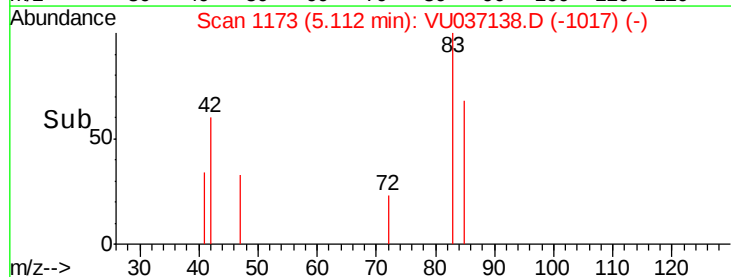
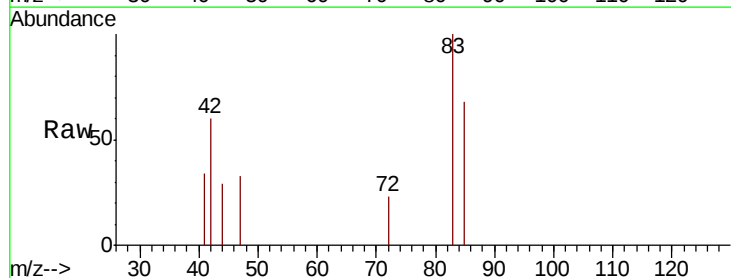
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

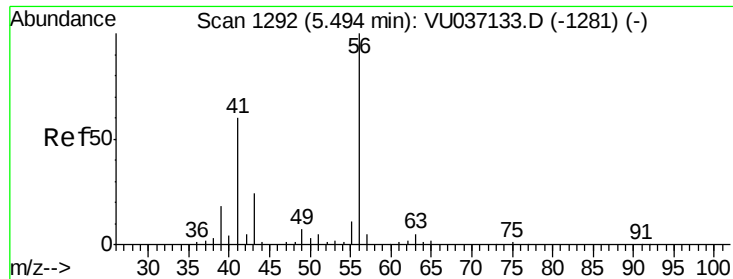
Tot Ion:	55	Resp:	624
Ion	Ratio	Lower	Upper
55	100		
85	0.0	14.7	22.1#
58	0.0	7.1	10.7#
42	3.4	6.9	10.3#



#41
Tetrahydrofuran
Concen: 0.752 ug/l
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Tgt Ion:	42	Resp:	673
Ion	Ratio	Lower	Upper
42	100		
72	10.7	42.5	63.7#
71	0.0	37.3	55.9#

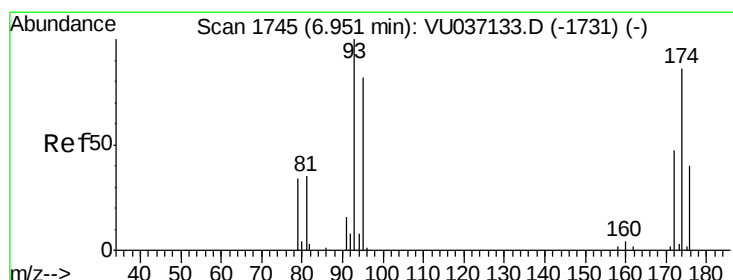
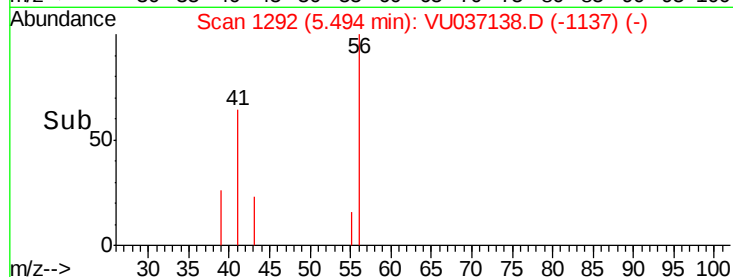
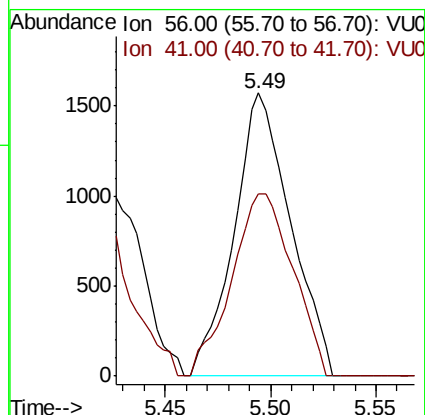
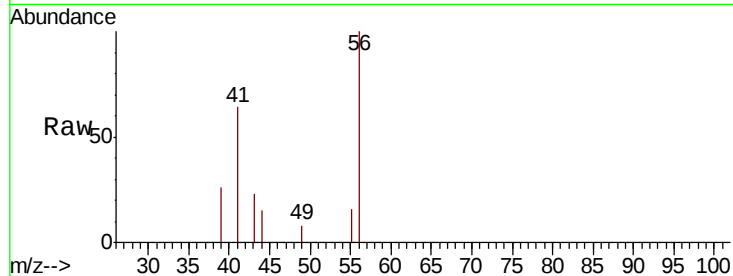




#42
1-Chlorobutane
Concen: 0.314 ug/l
RT: 5.49 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

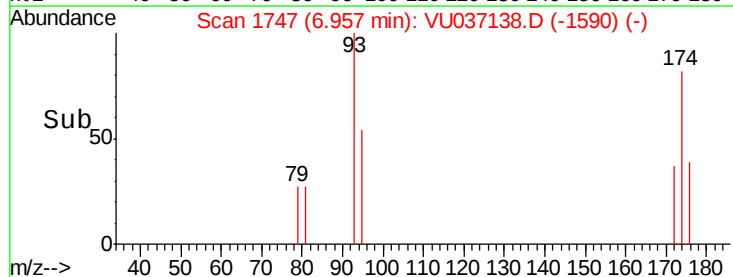
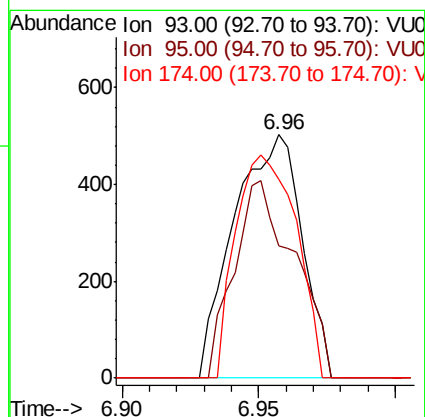
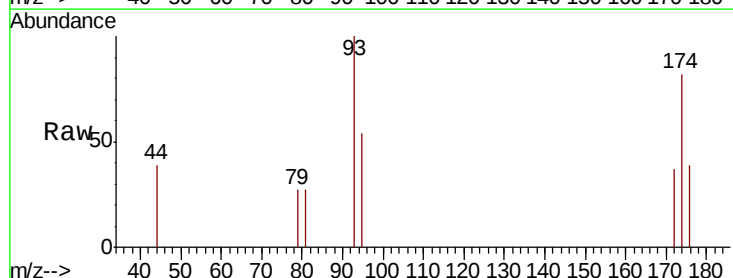
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

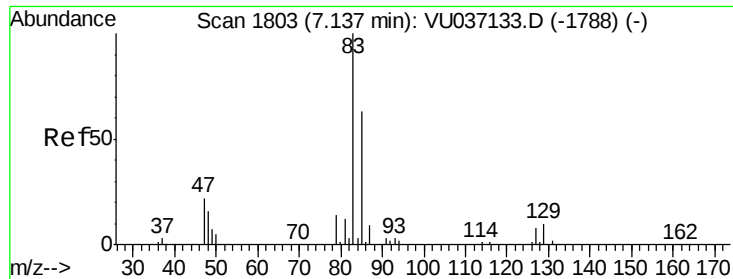
Tot Ion: 56 Resp: 2928
Ion Ratio Lower Upper
56 100
41 69.6 24.8 74.3



#43
Dibromomethane
Concen: 0.337 ug/l
RT: 6.96 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Tgt Ion: 93 Resp: 871
Ion Ratio Lower Upper
93 100
95 72.1 67.9 101.9
174 82.0 83.4 125.0#





#44

Bromodichloromethane

Concen: 0.352 ug/l

RT: 7.14 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

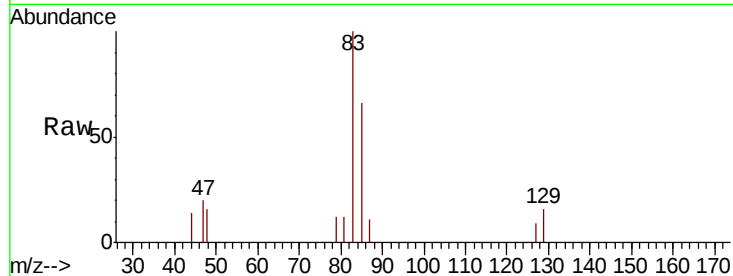
Tot Ion: 83 Resp: 2370

Ion Ratio Lower Upper

83 100

85 66.3 51.8 77.6

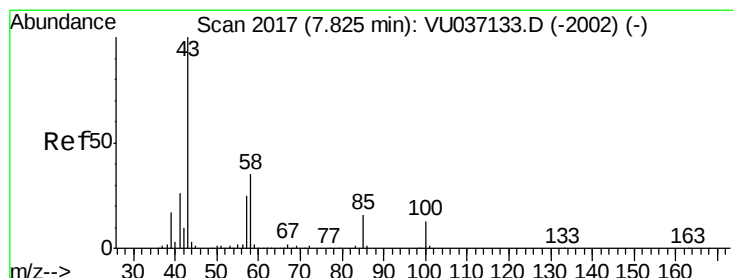
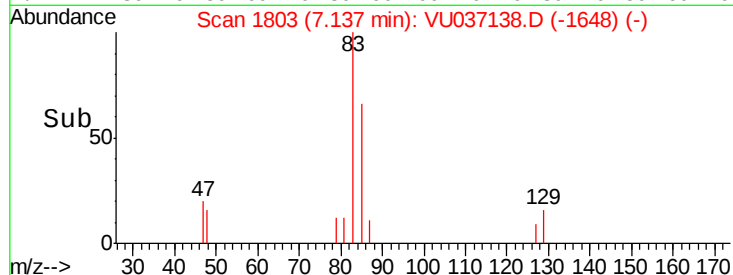
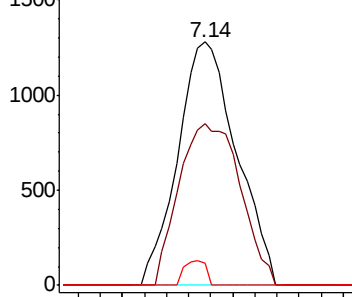
127 9.2 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU037138.D (-1788) (-)

Ion 85.00 (84.70 to 85.70): VU037138.D (-1788) (-)

Ion 127.00 (126.70 to 127.70): VU037138.D (-1788) (-)



#45

4-Methyl-2-Pentanone

Concen: 1.657 ug/l

RT: 7.83 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

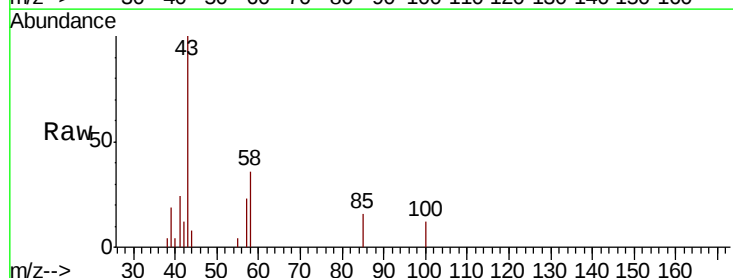
Tgt Ion: 43 Resp: 5740

Ion Ratio Lower Upper

43 100

58 33.0 22.1 66.1

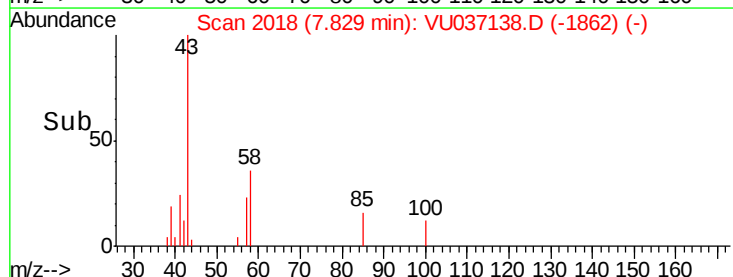
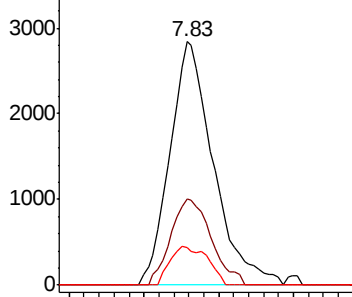
85 13.7 17.4 26.0#

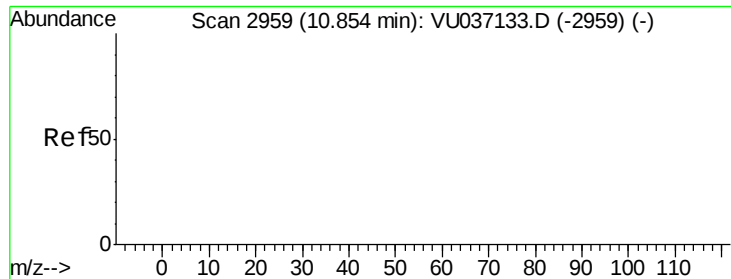


Abundance Ion 43.00 (42.70 to 43.70): VU037138.D (-1862) (-)

Ion 58.00 (57.70 to 58.70): VU037138.D (-1862) (-)

Ion 85.00 (84.70 to 85.70): VU037138.D (-1862) (-)

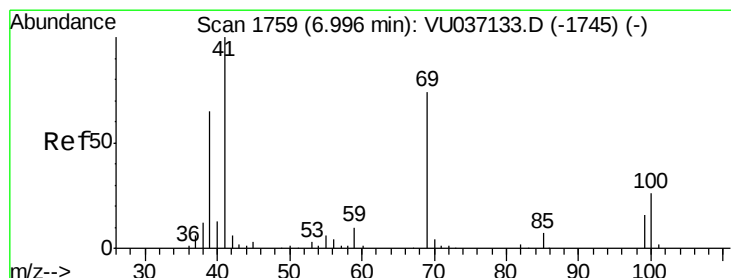
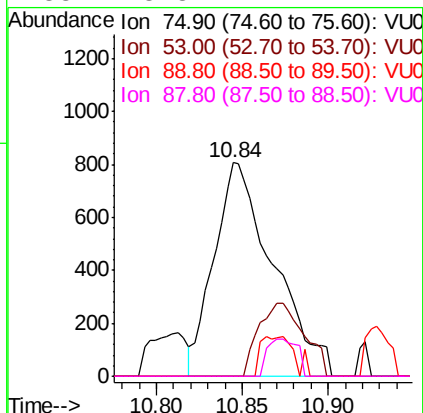
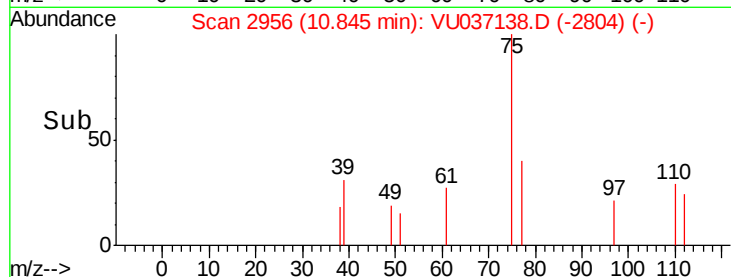
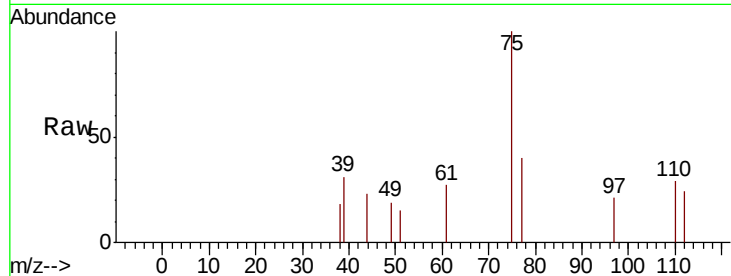




#46
t-1,4-Dichloro-2-butene
Concen: 2.043 ug/l
RT: 10.84 min Scan# 2956
Delta R.T. -0.01 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

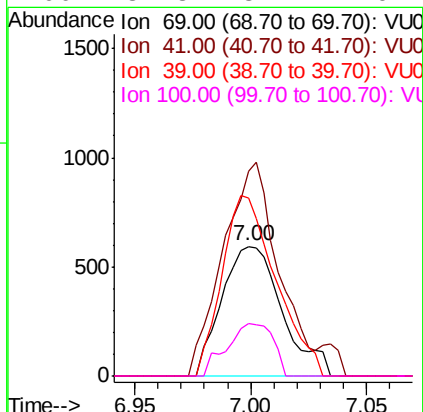
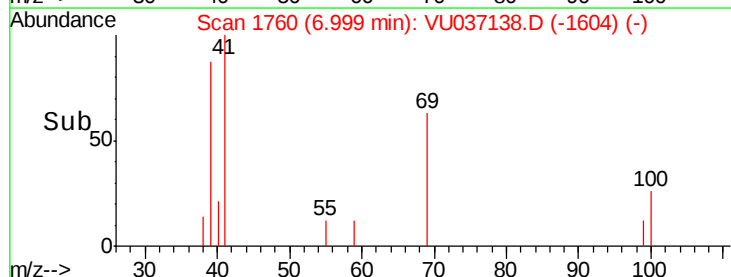
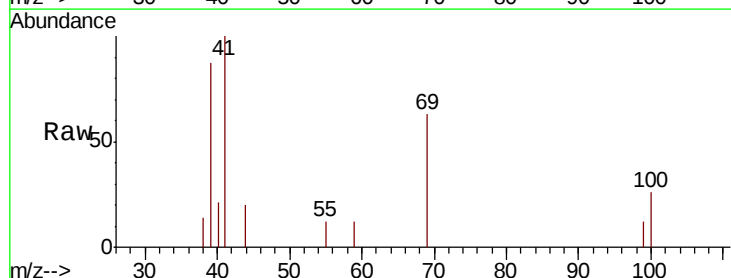
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

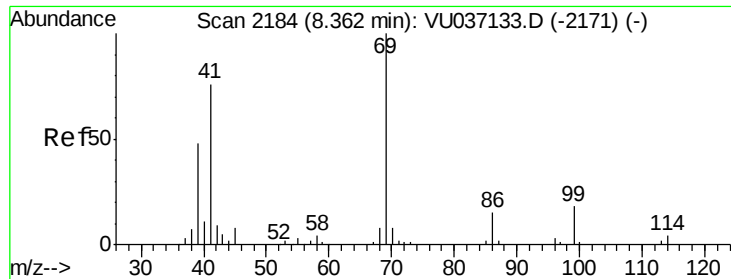
Tot Ion: 75 Resp: 1937
Ion Ratio Lower Upper
75 100
53 26.1 52.2 78.2#
89 10.4 39.8 59.6#
88 8.8 27.4 41.2#



#47
Methyl methacrylate
Concen: 0.501 ug/l
RT: 7.00 min Scan# 1760
Delta R.T. 0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Tgt Ion: 69 Resp: 1070
Ion Ratio Lower Upper
69 100
41 151.9 0.0 200.8
39 124.7 43.5 65.3#
100 31.3 31.1 46.7

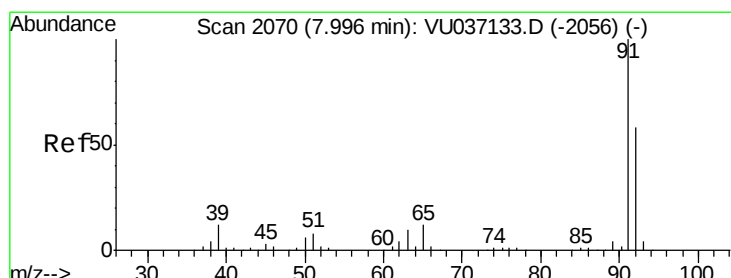
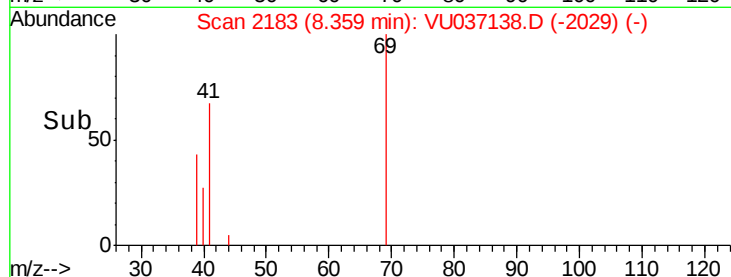
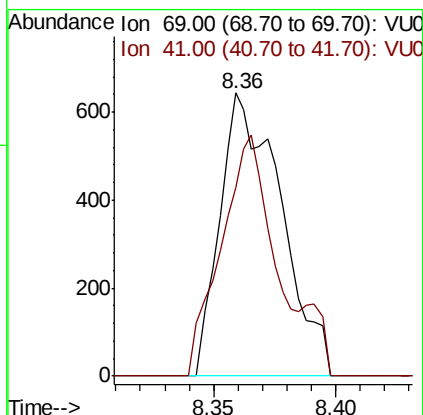
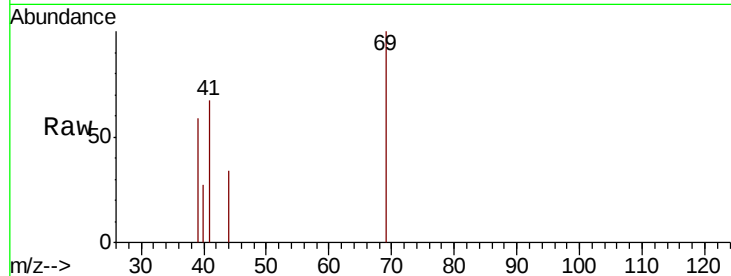




#48
Ethyl methacrylate
Concen: 0.265 ug/l
RT: 8.36 min Scan# 2183
Delta R.T. -0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

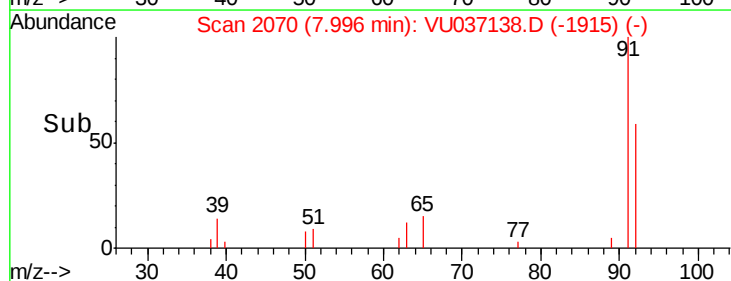
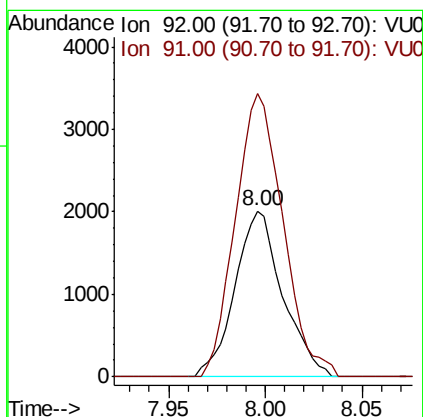
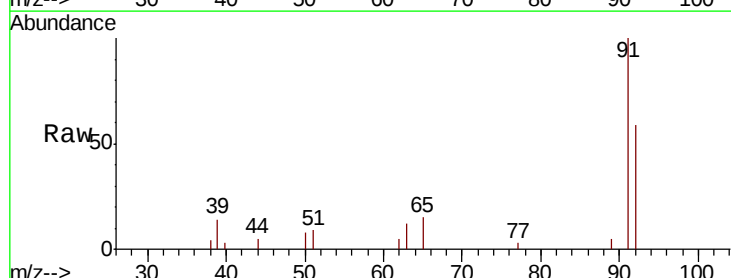
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

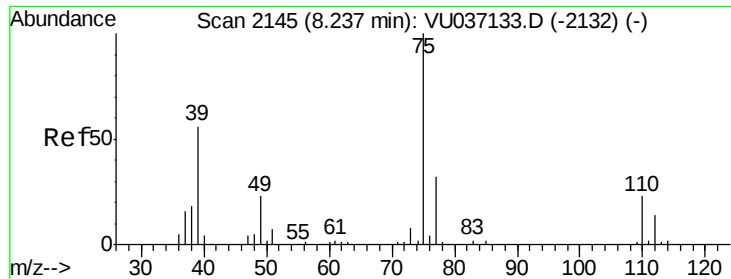
Tot Ion: 69 Resp: 1116
Ion Ratio Lower Upper
69 100
41 72.5 27.9 83.6



#49
Toluene
Concen: 0.311 ug/l
RT: 8.00 min Scan# 2070
Delta R.T. -0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Tgt Ion: 92 Resp: 3452
Ion Ratio Lower Upper
92 100
91 170.1 139.1 208.7

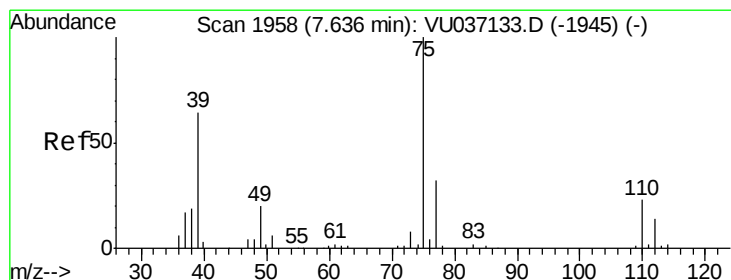
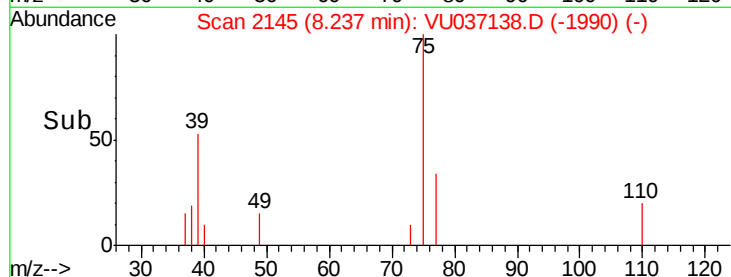
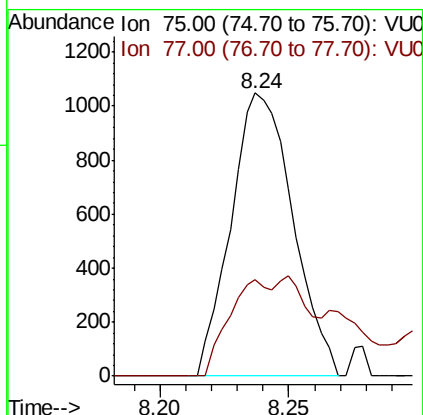
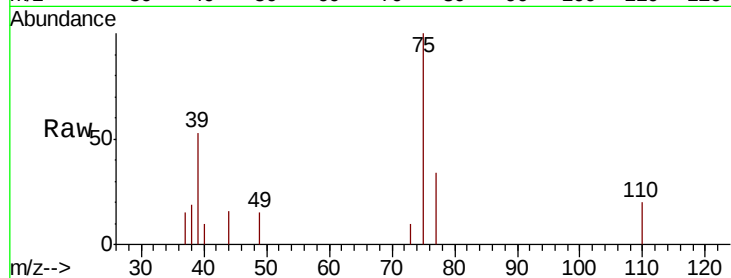




#50
t-1,3-Dichloropropene
Concen: 0.288 ug/l
RT: 8.24 min Scan# 2145
Delta R.T. -0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

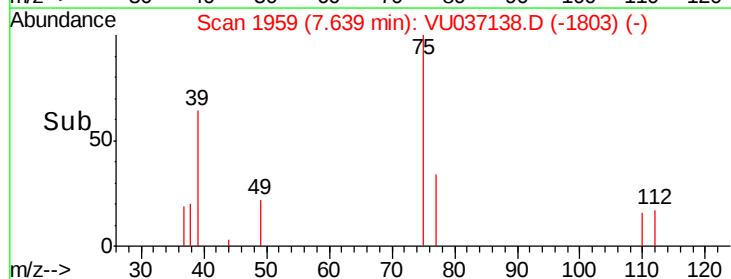
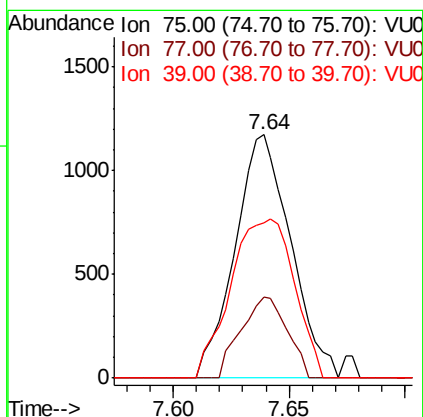
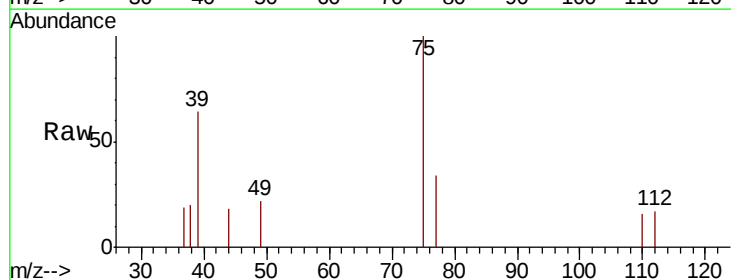
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

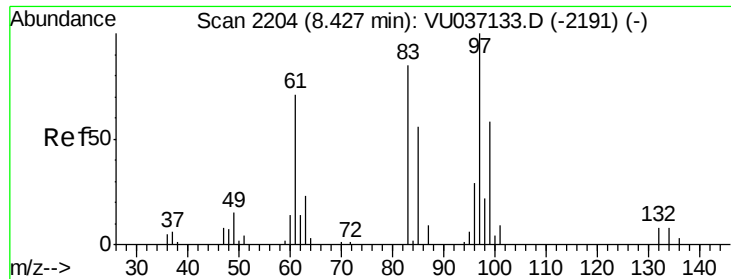
Tot Ion: 75 Resp: 1747
Ion Ratio Lower Upper
75 100
77 34.0 25.4 38.2



#51
cis-1,3-Dichloropropene
Concen: 0.282 ug/l
RT: 7.64 min Scan# 1959
Delta R.T. 0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Tgt Ion: 75 Resp: 1952
Ion Ratio Lower Upper
75 100
77 33.5 25.3 37.9
39 63.8 31.8 47.6#

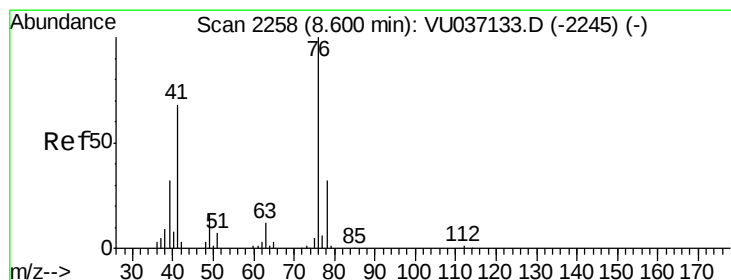
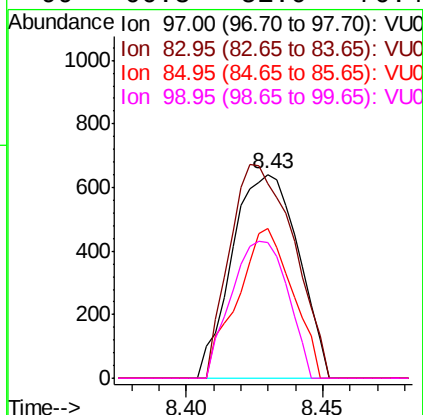
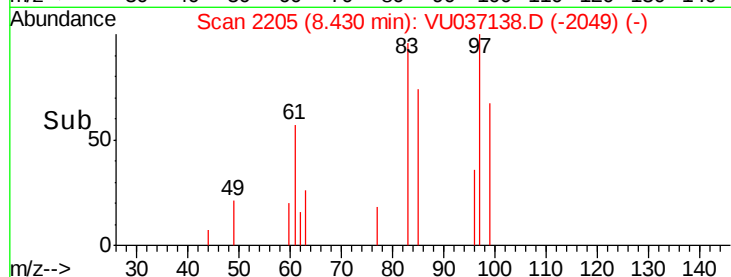
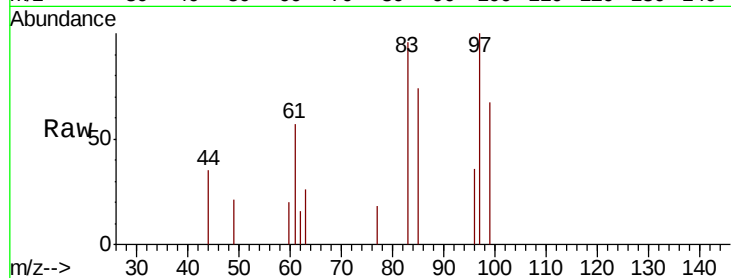




#52
 1,1,2-Trichloroethane
 Concen: 0.315 ug/l
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU037138.D
 Acq: 09 Mar 2020 18:03

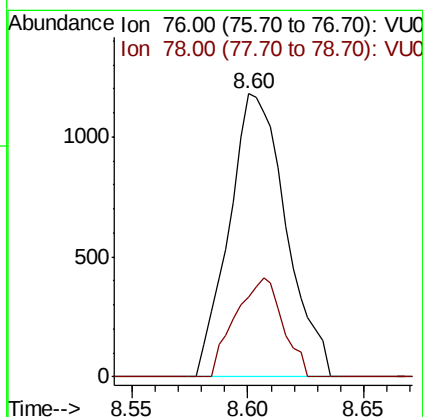
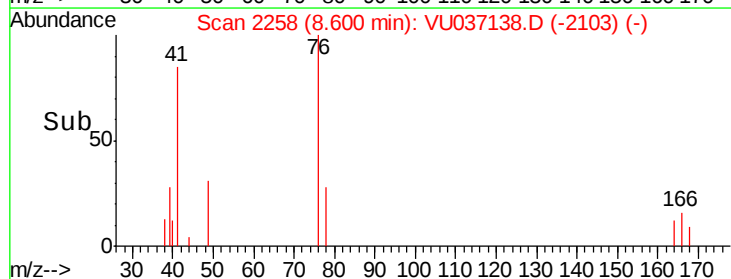
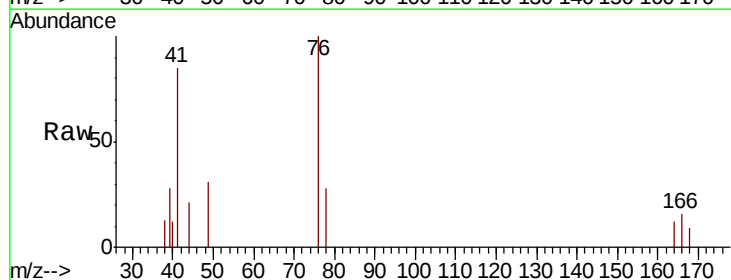
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

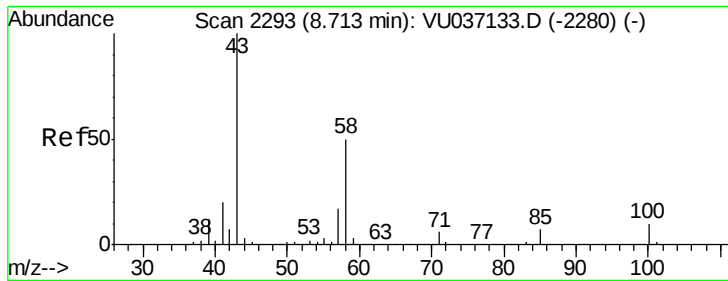
Tot Ion:	97	Resp:	1085
Ion	Ratio	Lower	Upper
97	100		
83	95.6	70.9	106.3
85	73.6	45.6	68.4#
99	66.8	51.0	76.4



#53
 1,3-Dichloropropane
 Concen: 0.330 ug/l
 RT: 8.60 min Scan# 2258
 Delta R.T. -0.00 min
 Lab File: VU037138.D
 Acq: 09 Mar 2020 18:03

Tgt Ion:	76	Resp:	2018
Ion	Ratio	Lower	Upper
76	100		
78	29.2	25.4	38.2

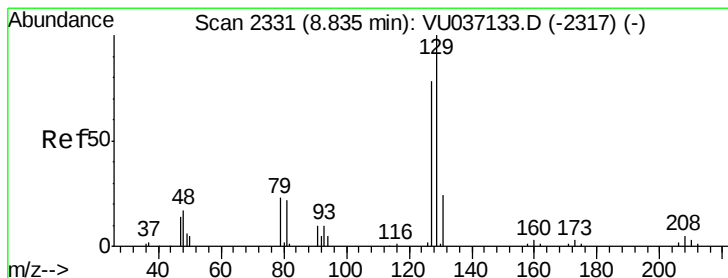
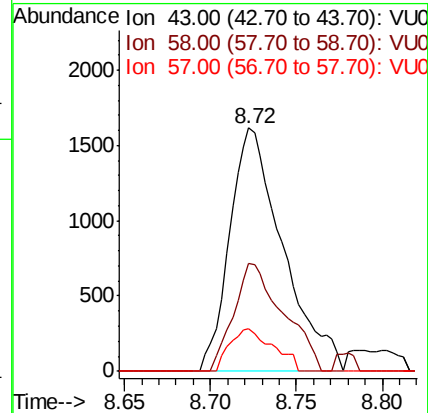
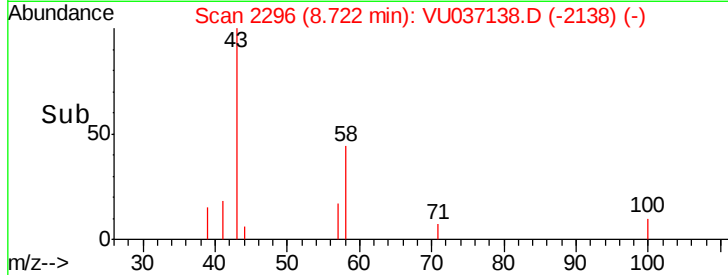
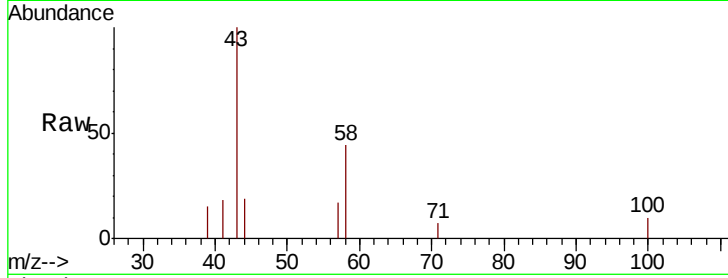




#54
2-Hexanone
Concen: 1.461 ug/l
RT: 8.72 min Scan# 2296
Delta R.T. 0.01 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

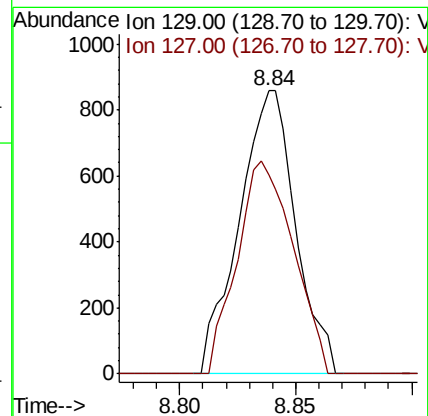
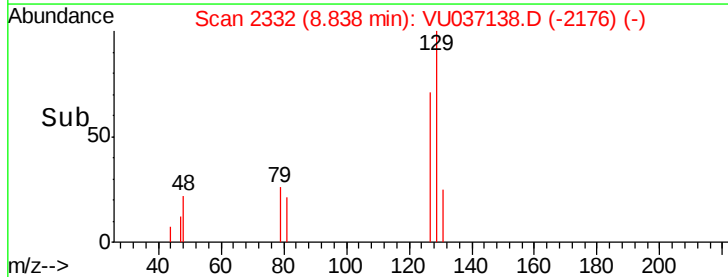
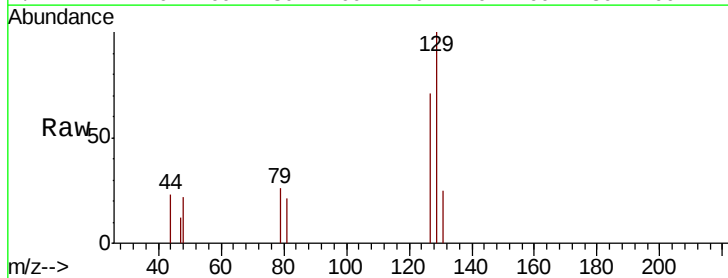
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

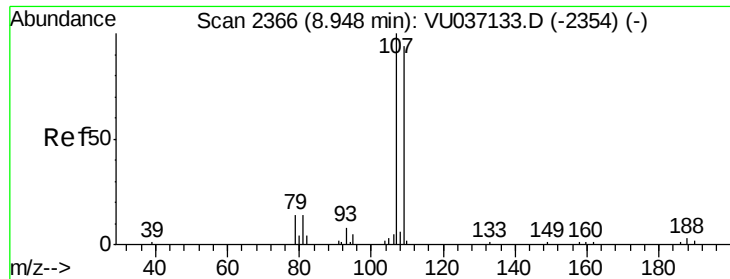
Tot Ion: 43 Resp: 3488
Ion Ratio Lower Upper
43 100
58 41.2 40.6 80.6
57 14.1 1.2 41.2



#55
Dibromochloromethane
Concen: 0.341 ug/l
RT: 8.84 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Tgt Ion: 129 Resp: 1456
Ion Ratio Lower Upper
129 100
127 75.0 62.6 94.0





#56

1,2-Dibromoethane

Concen: 0.325 ug/l

RT: 8.95 min Scan# 2368

Delta R.T. 0.01 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

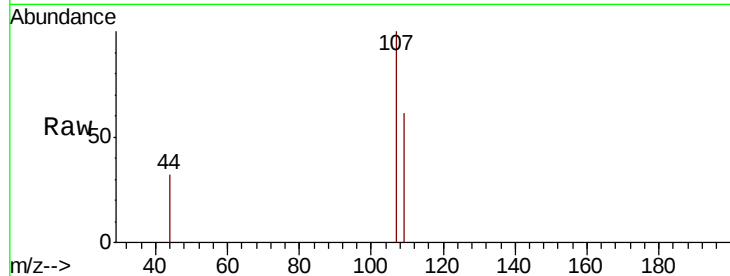
LOD-MDL-WATER-01-QT1-2020

Tot Ion:107 Resp: 1062

Ion Ratio Lower Upper

107 100

109 72.5 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.95

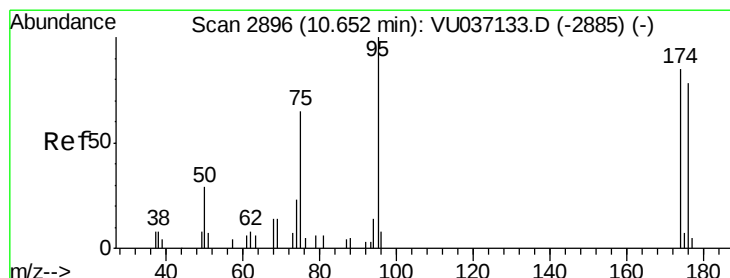
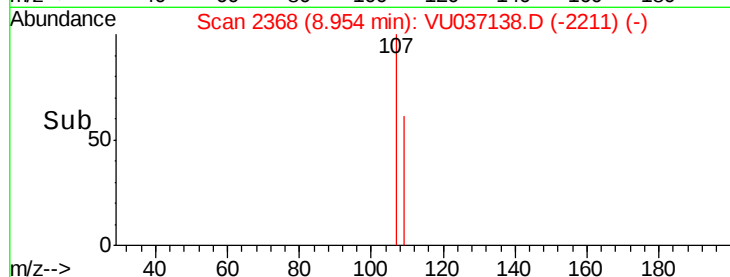
600

400

200

0

Time--> 8.90 8.95 9.00



#57

4-Bromofluorobenzene

Concen: 0.837 ug/l

RT: 10.65 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

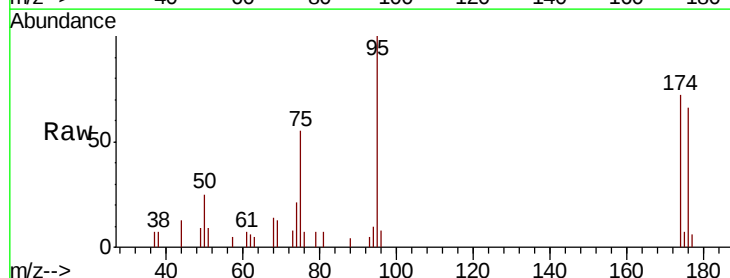
Tgt Ion: 95 Resp: 4929

Ion Ratio Lower Upper

95 100

174 76.6 64.7 97.1

176 67.4 60.6 91.0



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

10.65

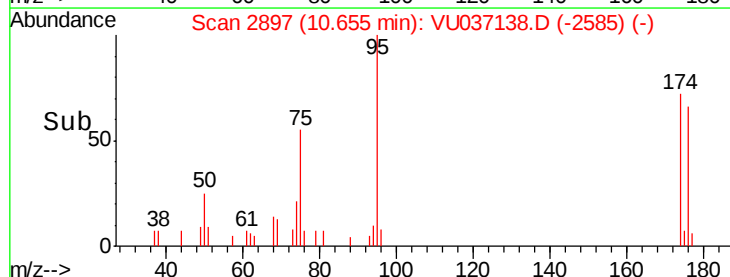
3000

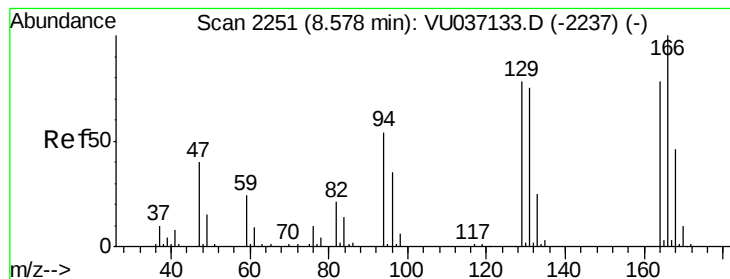
2000

1000

0

Time--> 10.60 10.65 10.70 10.75





#58

Tetrachloroethene

Concen: 0.357 ug/l

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

Tot Ion:164 Resp: 1613

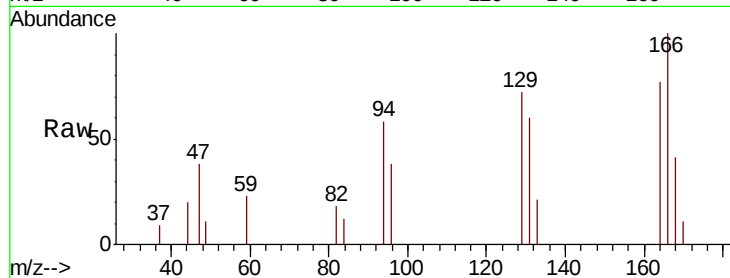
Ion Ratio Lower Upper

164 100

166 130.1 102.0 153.0

129 93.8 74.9 112.3

131 77.5 72.6 108.8

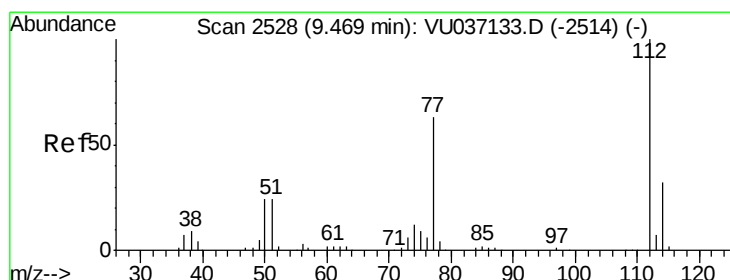
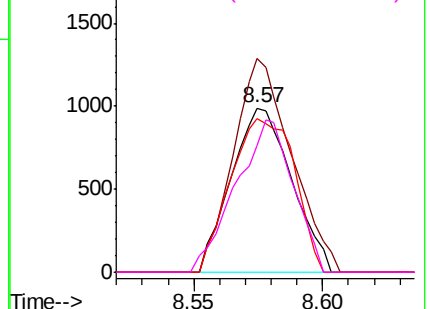
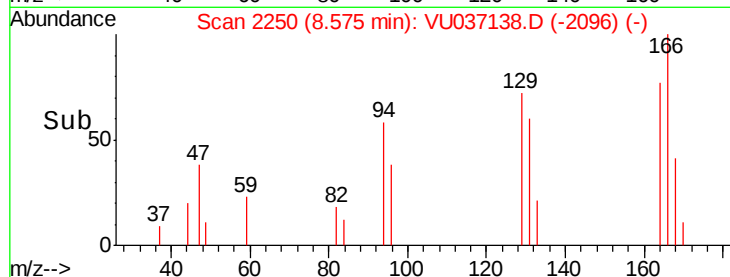


Abundance Ion 163.85 (163.55 to 164.55): V

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: 0.332 ug/l

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU037138.D

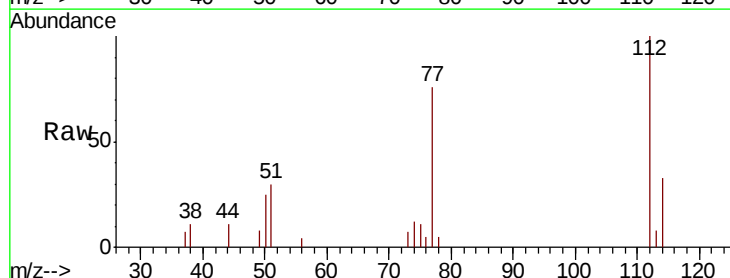
Acq: 09 Mar 2020 18:03

Tgt Ion:112 Resp: 4111

Ion Ratio Lower Upper

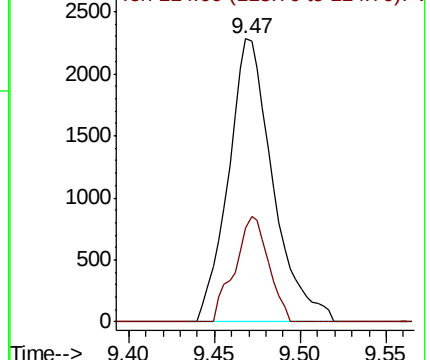
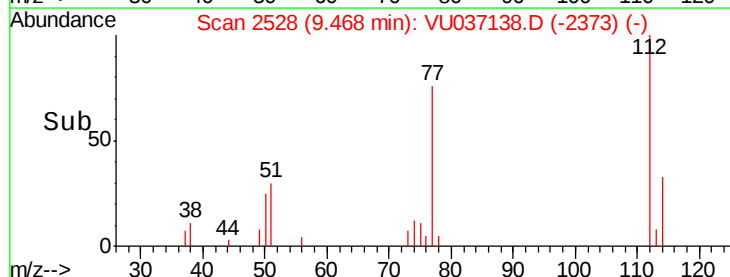
112 100

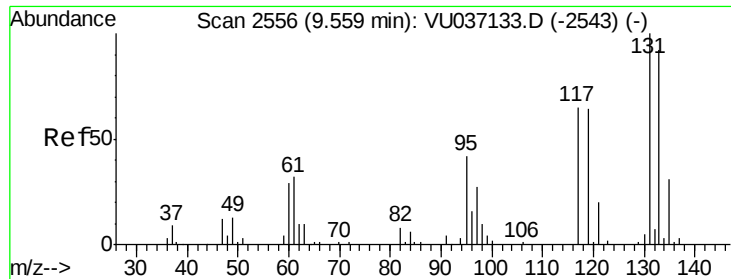
114 33.1 25.8 38.8



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: 0.340 ug/l

RT: 9.56 min Scan# 2557

Delta R.T. 0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

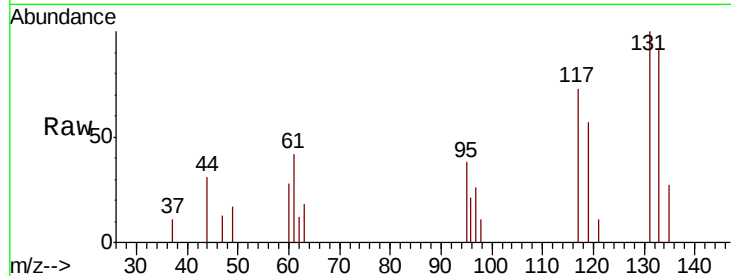
Tot Ion:131 Resp: 1539

Ion Ratio Lower Upper

131 100

133 96.9 76.4 114.6

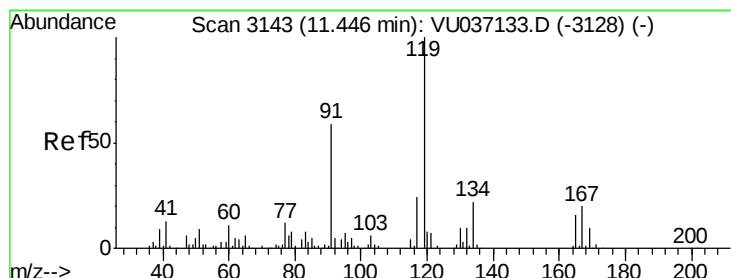
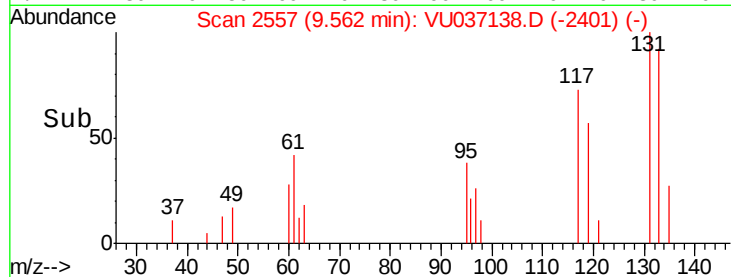
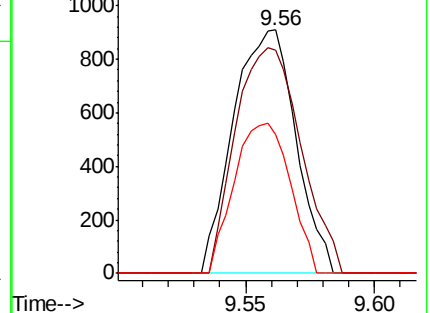
119 55.4 56.6 85.0#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#61

Pentachloroethane

Concen: 0.356 ug/l

RT: 11.44 min Scan# 3142

Delta R.T. -0.00 min

Lab File: VU037138.D

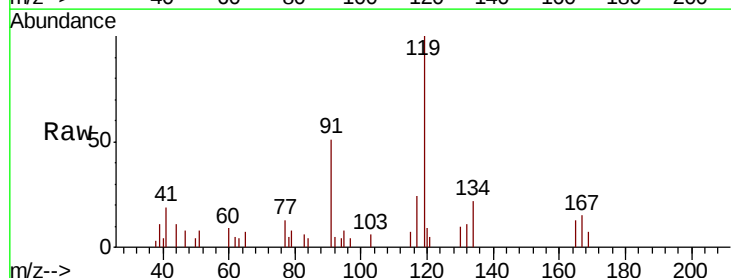
Acq: 09 Mar 2020 18:03

Tgt Ion:117 Resp: 1232

Ion Ratio Lower Upper

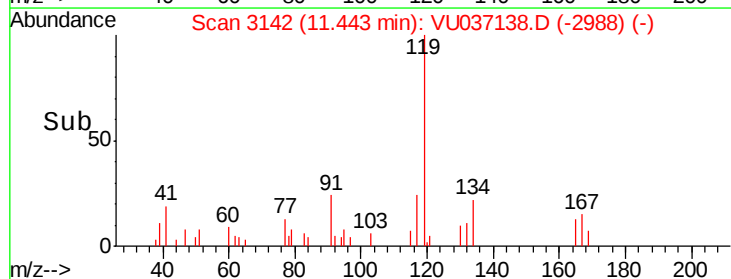
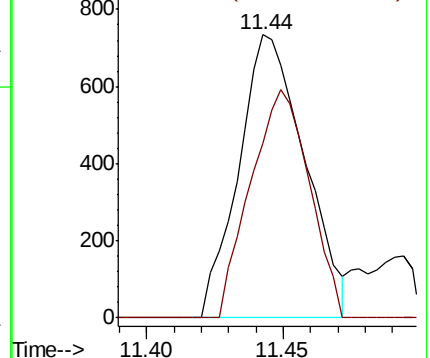
117 100

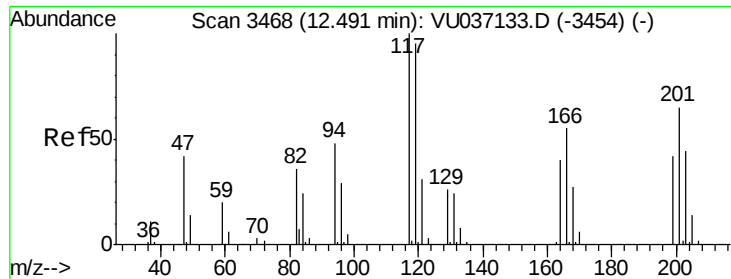
167 71.9 66.7 100.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V





#62

Hexachloroethane

Concen: 0.294 ug/l

RT: 12.49 min Scan# 3467

Delta R.T. -0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

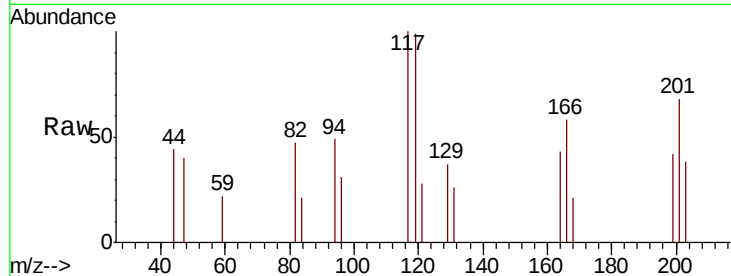
LOD-MDL-WATER-01-QT1-2020

Tot Ion:117 Resp: 1088

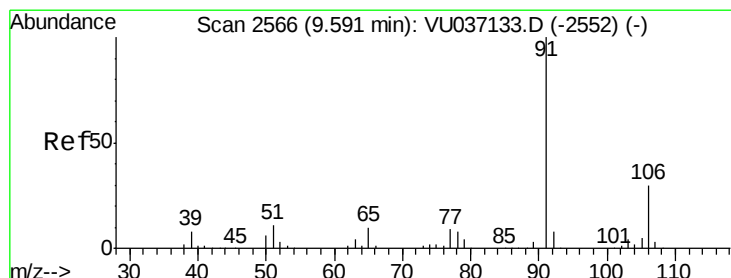
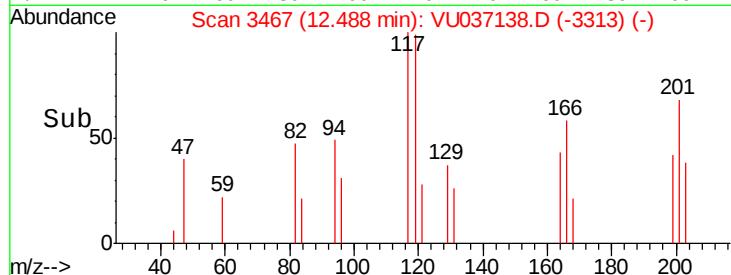
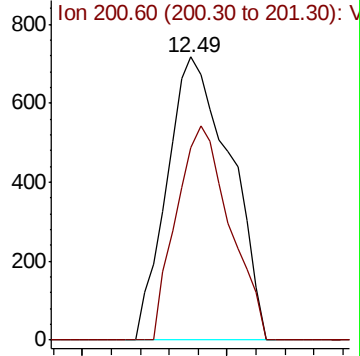
Ion Ratio Lower Upper

117 100

201 63.8 65.0 97.4#



Abundance Ion 116.80 (116.50 to 117.50): V



#63

Ethyl Benzene

Concen: 0.287 ug/l

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037138.D

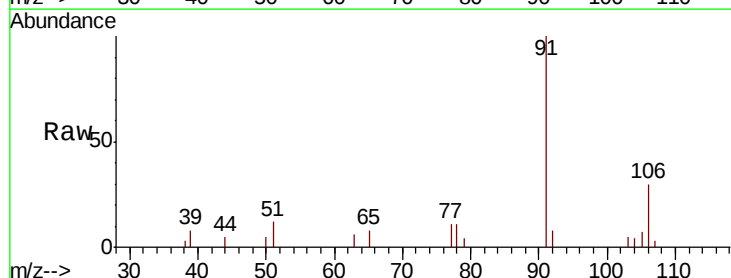
Acq: 09 Mar 2020 18:03

Tgt Ion: 91 Resp: 6071

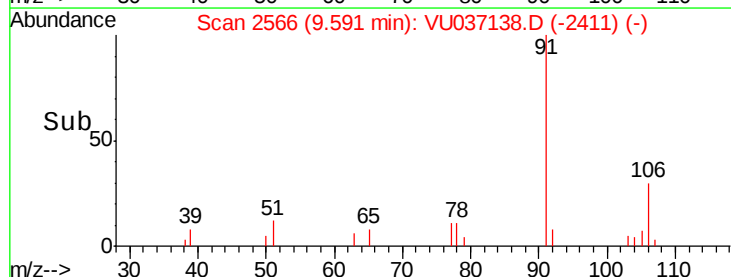
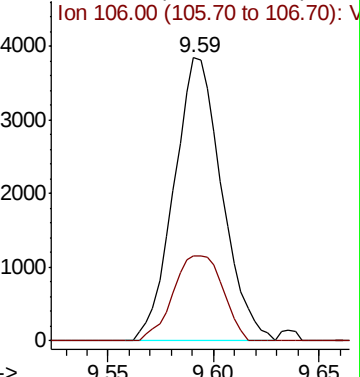
Ion Ratio Lower Upper

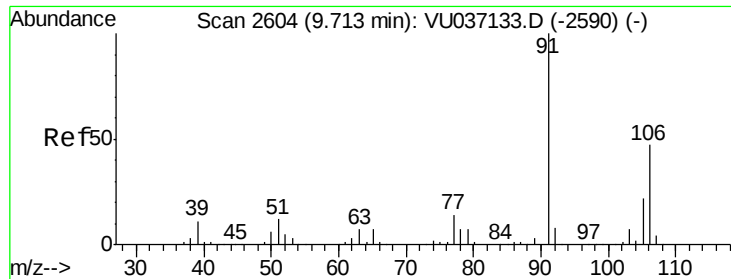
91 100

106 29.8 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VU0





#64

m/p-Xylenes

Concen: 0.566 ug/l

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

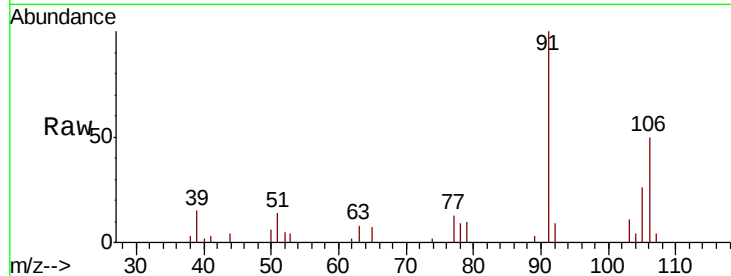
LOD-MDL-WATER-01-QT1-2020

Tot Ion:106 Resp: 4531

Ion Ratio Lower Upper

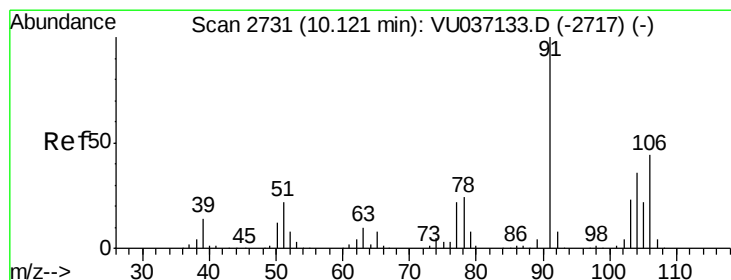
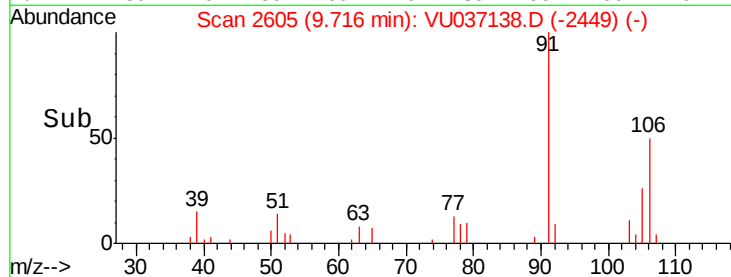
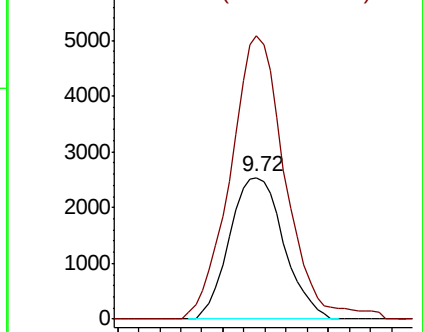
106 100

91 203.1 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 0.252 ug/l

RT: 10.12 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU037138.D

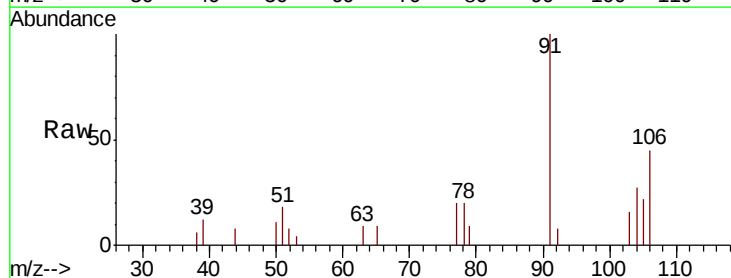
Acq: 09 Mar 2020 18:03

Tgt Ion:106 Resp: 1942

Ion Ratio Lower Upper

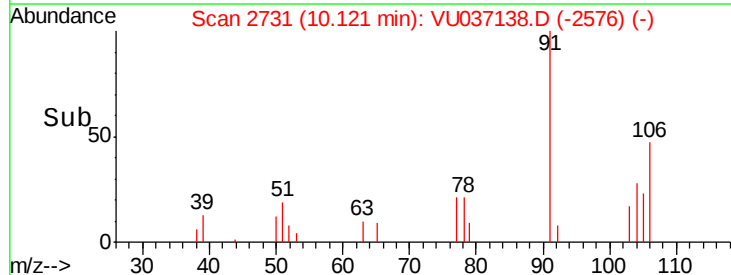
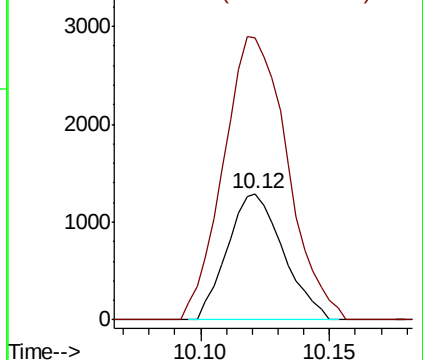
106 100

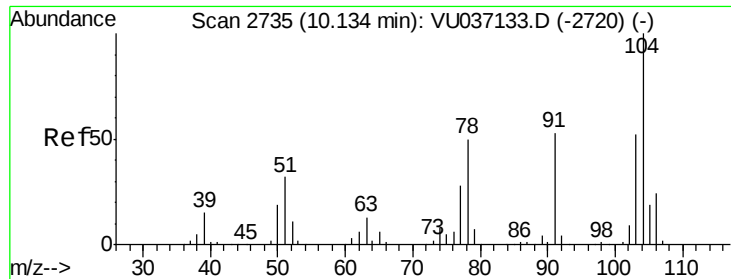
91 257.6 104.3 312.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

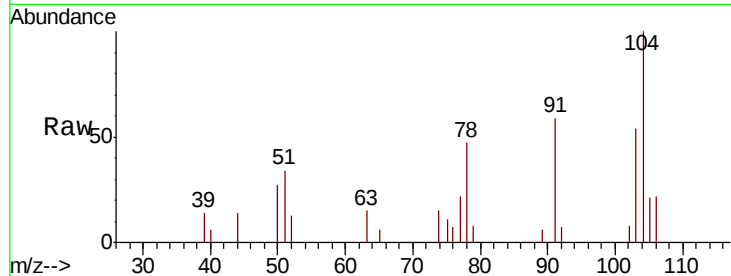




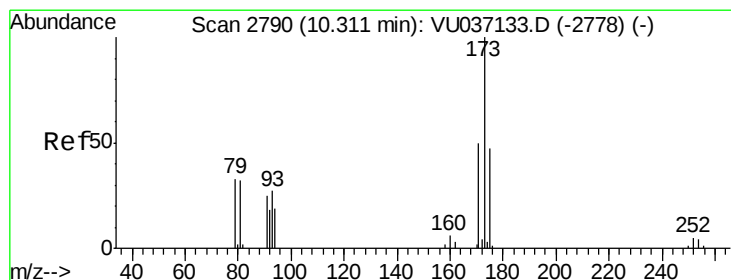
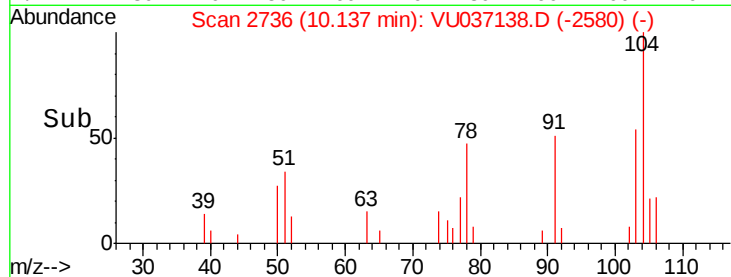
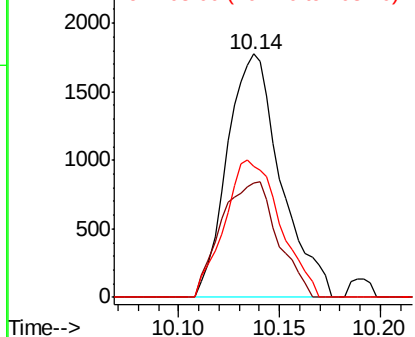
#66
Stvrene
Concen: 0.260 ug/l
RT: 10.14 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion:104 Resp: 3285
Ion Ratio Lower Upper
104 100
78 50.1 38.6 57.8
103 58.6 44.4 66.6

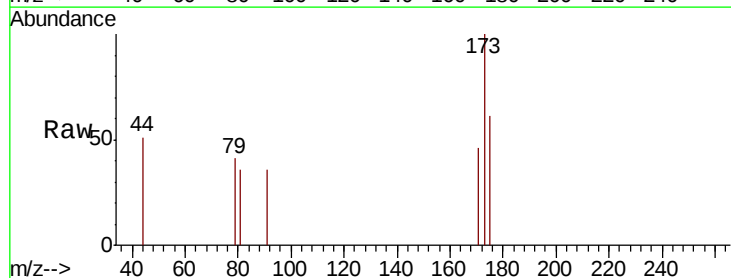


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

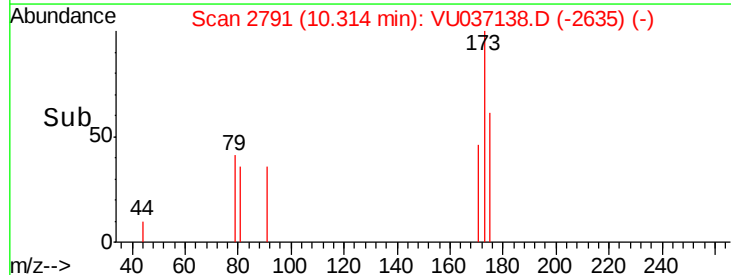
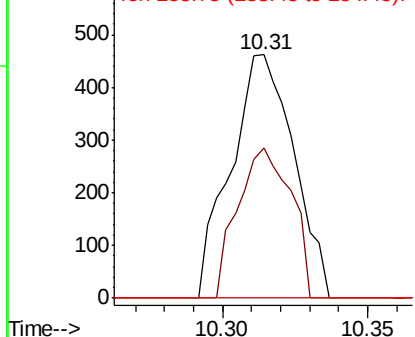


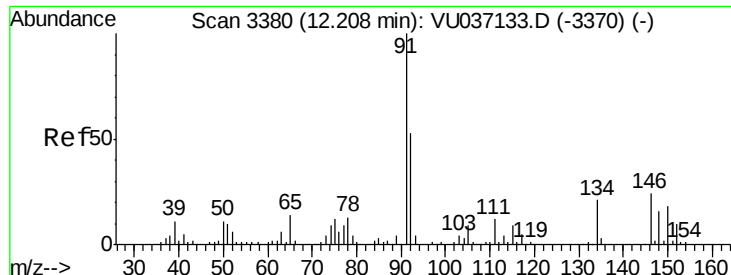
#67
Bromoform
Concen: 0.310 ug/l
RT: 10.31 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Tgt Ion:173 Resp: 699
Ion Ratio Lower Upper
173 100
175 52.1 38.3 57.5
254 0.0 6.6 9.8#



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

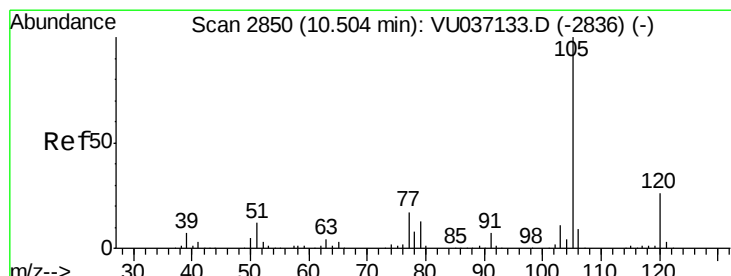
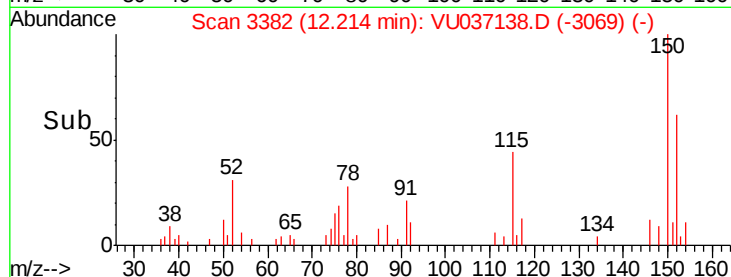
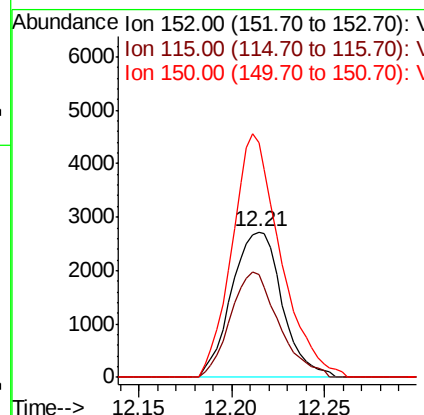
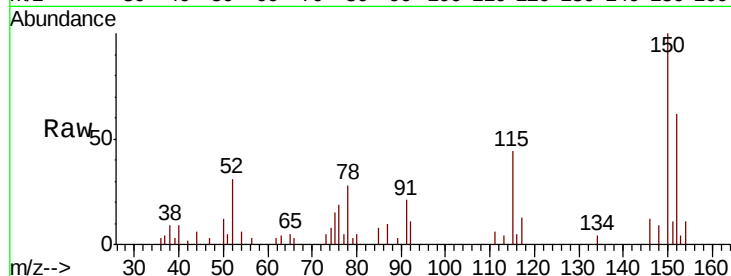




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.858 ug/l
 RT: 12.21 min Scan# 3382
 Delta R.T. 0.01 min
 Lab File: VU037138.D
 Acq: 09 Mar 2020 18:03

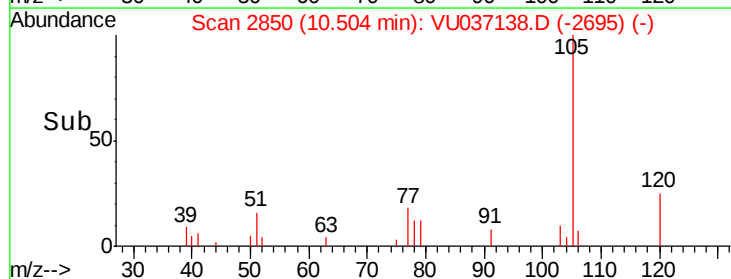
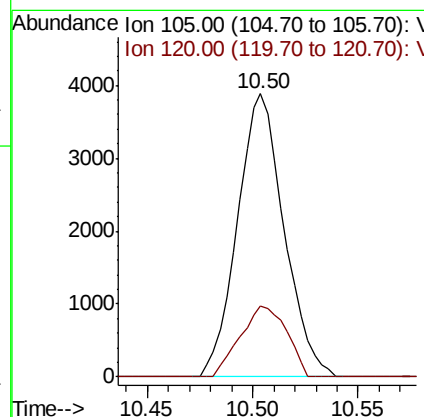
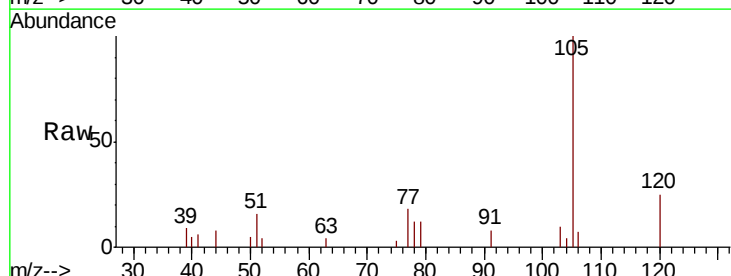
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

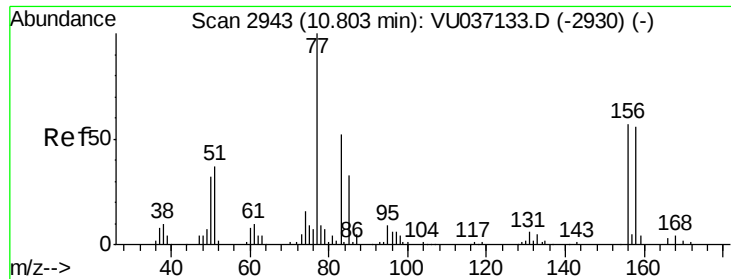
Tot Ion:152 Resp: 5152
 Ion Ratio Lower Upper
 152 100
 115 69.4 0.0 241.8
 150 160.3 0.0 652.4



#69
 Isopropylbenzene
 Concen: 0.283 ug/l
 RT: 10.50 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VU037138.D
 Acq: 09 Mar 2020 18:03

Tgt Ion:105 Resp: 5962
 Ion Ratio Lower Upper
 105 100
 120 25.0 13.6 40.7





#70

1,1,2,2-Tetrachloroethane

Concen: 0.352 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

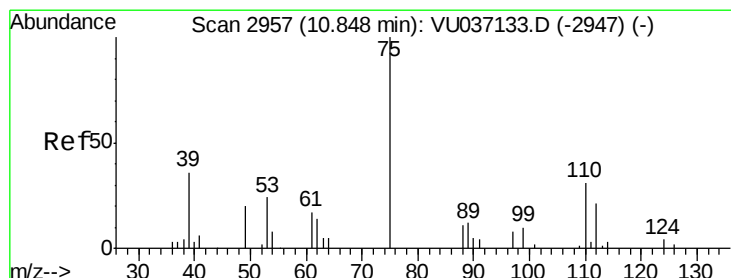
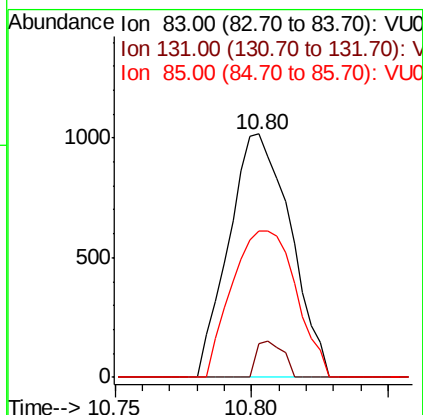
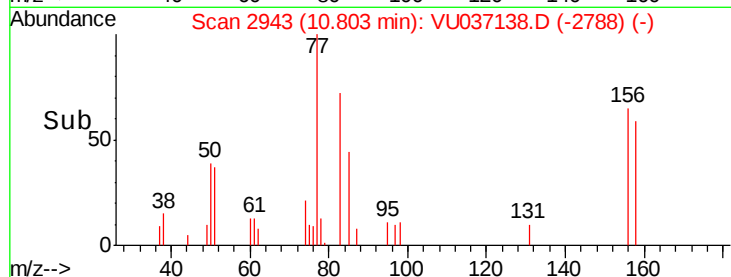
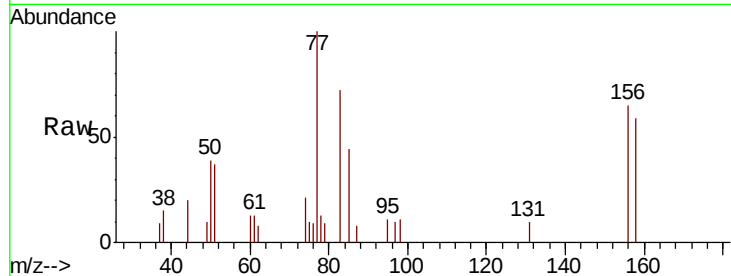
Tot Ion: 83 Resp: 1597

Ion Ratio Lower Upper

83 100

131 6.3 7.8 11.8#

85 62.6 53.2 79.8



#71

1,2,3-Trichloropropane

Concen: 0.523 ug/l

RT: 10.84 min Scan# 2956

Delta R.T. -0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Tgt Ion: 75 Resp: 1937

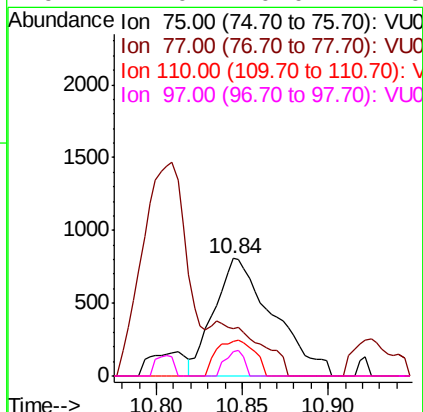
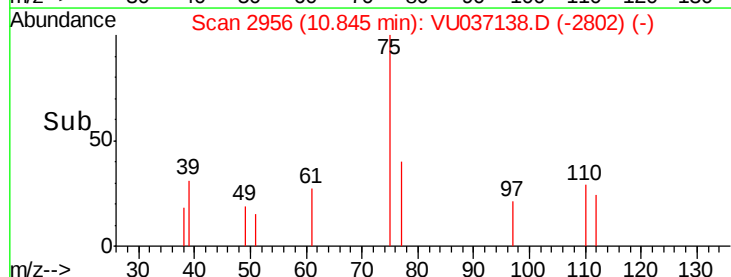
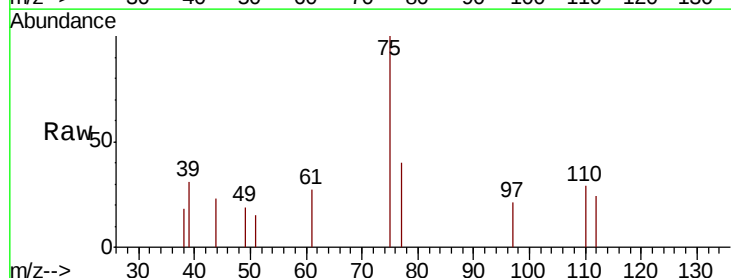
Ion Ratio Lower Upper

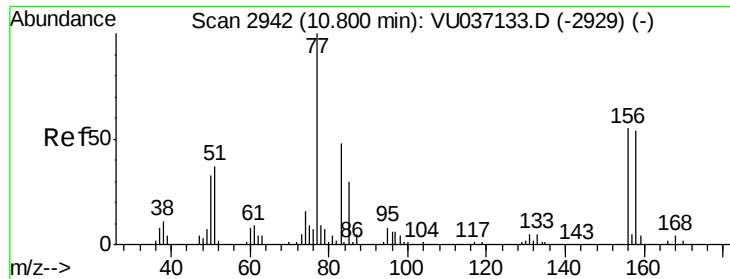
75 100

77 20.2 0.0 129.6

110 19.4 0.0 77.4

97 7.0 0.0 42.0





#72

Bromobenzene

Concen: 0.289 ug/l

RT: 10.81 min Scan# 2944

Delta R.T. 0.01 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

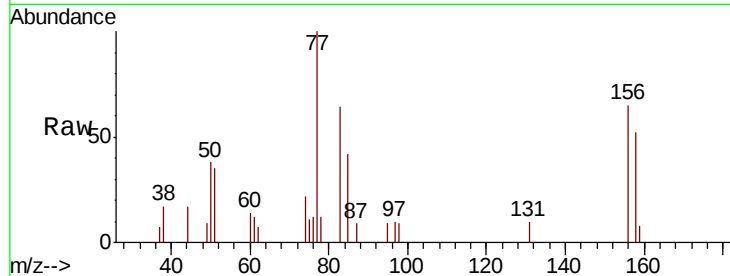
Tot Ion:156 Resp: 1469

Ion Ratio Lower Upper

156 100

77 180.6 0.0 306.6

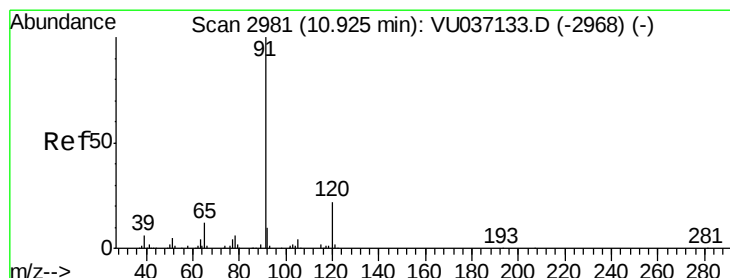
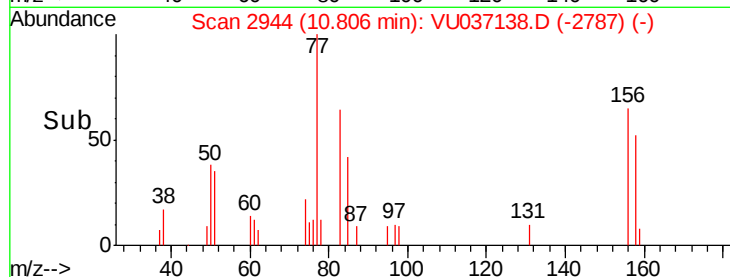
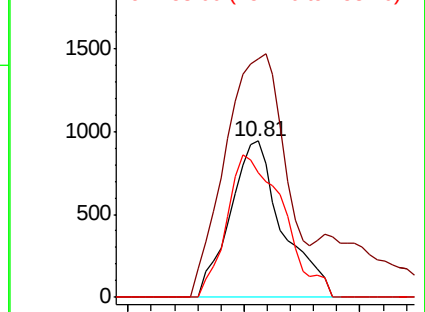
158 99.3 0.0 192.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



#73

n-propylbenzene

Concen: 0.253 ug/l

RT: 10.92 min Scan# 2981

Delta R.T. -0.00 min

Lab File: VU037138.D

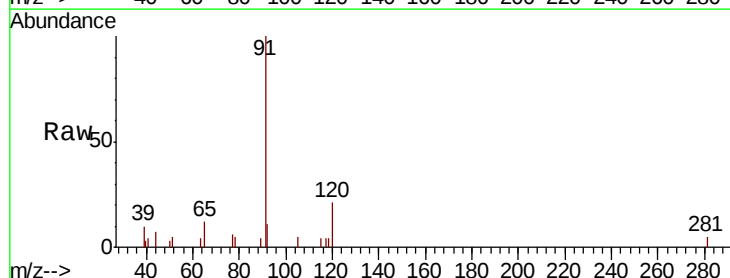
Acq: 09 Mar 2020 18:03

Tgt Ion:120 Resp: 1413

Ion Ratio Lower Upper

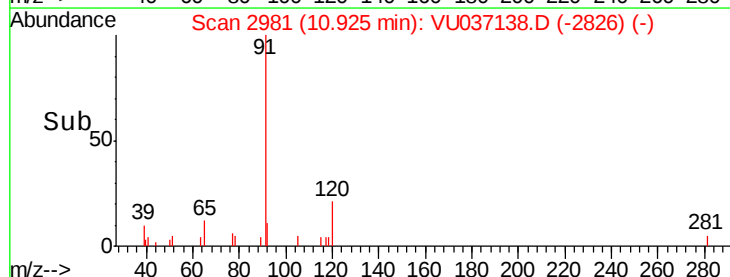
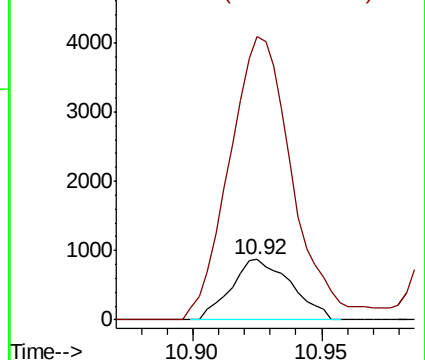
120 100

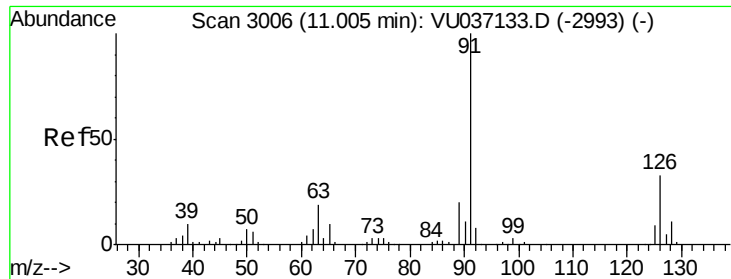
91 496.1 329.5 494.3#



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

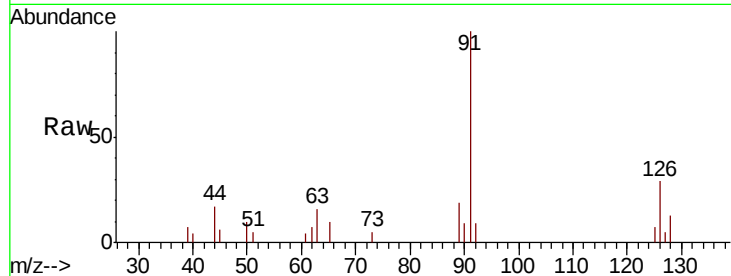




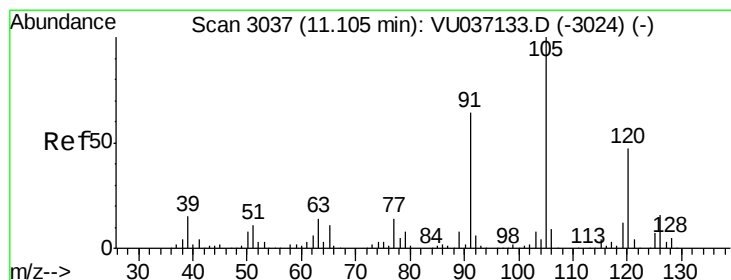
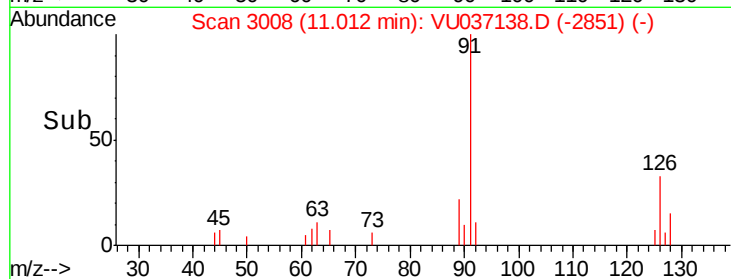
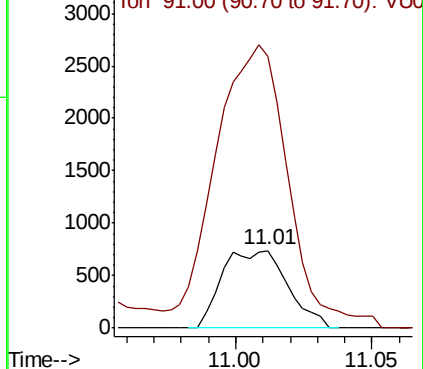
#74
2-Chlorotoluene
Concen: 0.245 ug/l
RT: 11.01 min Scan# 3008
Delta R.T. 0.01 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion:126 Resp: 1235
Ion Ratio Lower Upper
126 100
91 404.5 0.0 567.4

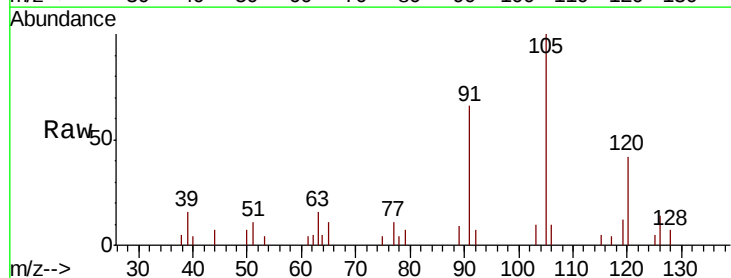


Abundance Ion 126.00 (125.70 to 126.70): V
Ion 91.00 (90.70 to 91.70): VU0

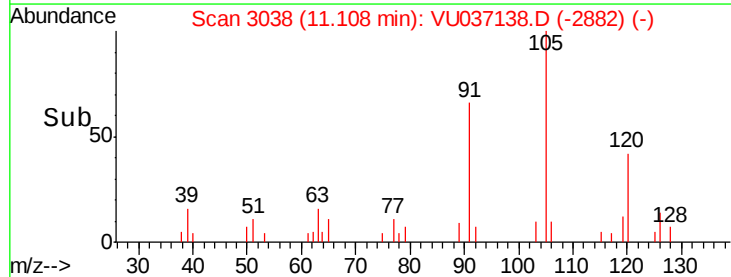
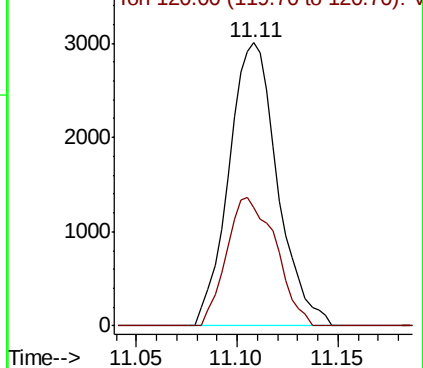


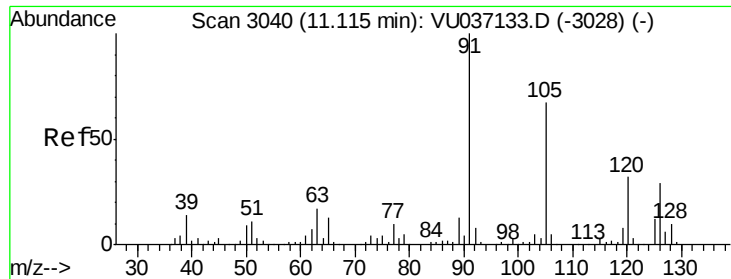
#75
1,3,5-Trimethylbenzene
Concen: 0.278 ug/l
RT: 11.11 min Scan# 3038
Delta R.T. 0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Tgt Ion:105 Resp: 5064
Ion Ratio Lower Upper
105 100
120 46.0 39.8 59.8



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

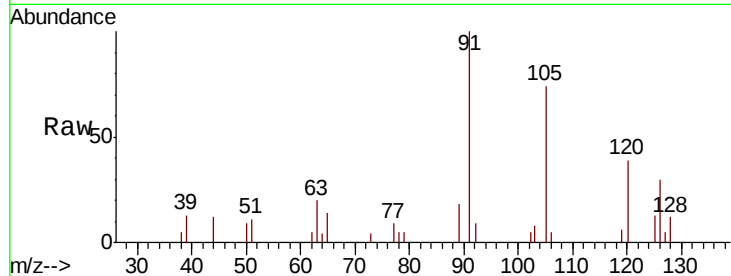




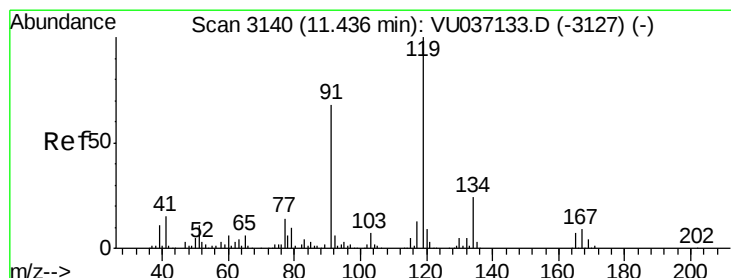
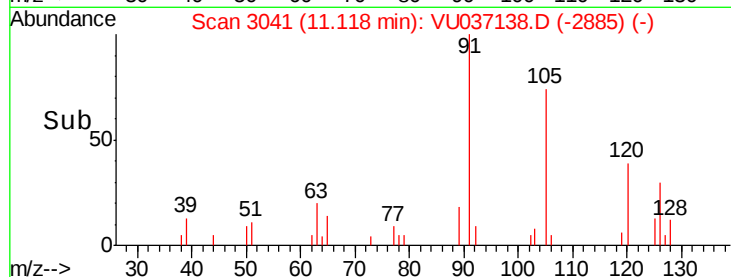
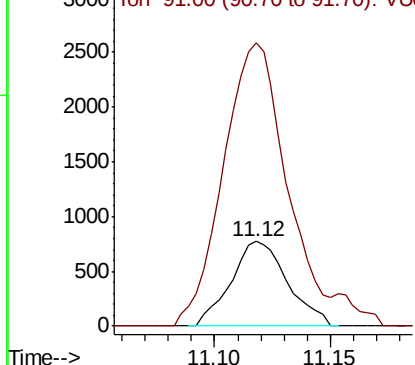
#76
4-Chlorotoluene
Concen: 0.259 ug/l
RT: 11.12 min Scan# 3041
Delta R.T. 0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion:126 Resp: 1316
Ion Ratio Lower Upper
126 100
91 387.9 0.0 633.0

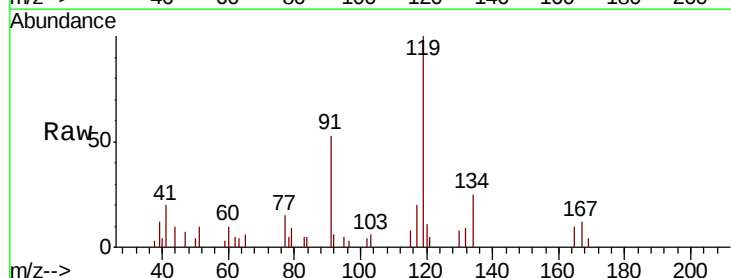


Abundance Ion 126.00 (125.70 to 126.70): V
Ion 91.00 (90.70 to 91.70): VU0

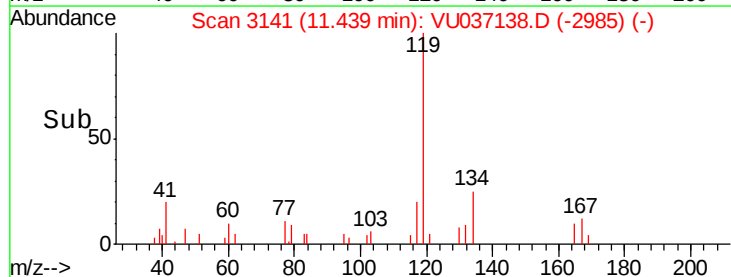
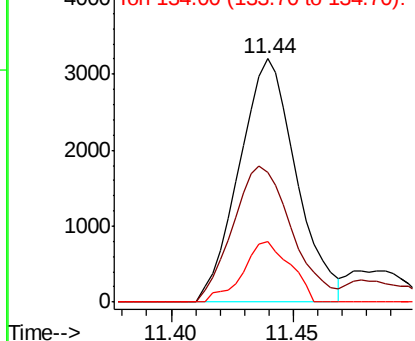


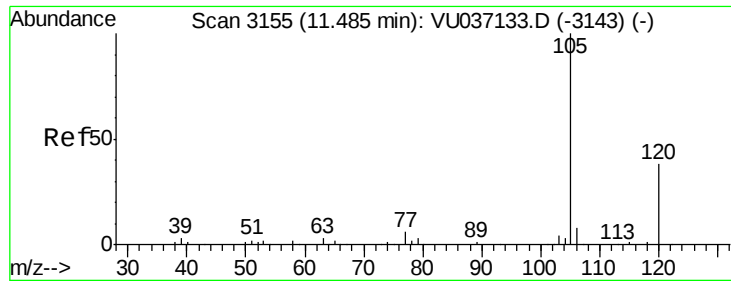
#77
tert-Butylbenzene
Concen: 0.293 ug/l
RT: 11.44 min Scan# 3141
Delta R.T. 0.00 min
Lab File: VU037138.D
Acq: 09 Mar 2020 18:03

Tgt Ion:119 Resp: 5199
Ion Ratio Lower Upper
119 100
91 58.2 29.3 87.8
134 20.7 19.0 28.4



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





#78

1,2,4-Trimethylbenzene

Concen: 0.239 ug/l

RT: 11.48 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

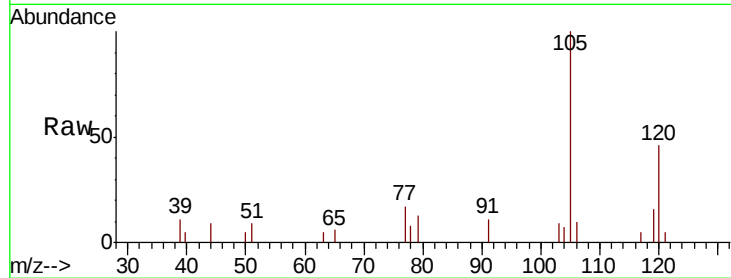
LOD-MDL-WATER-01-QT1-2020

Tot Ion:105 Resp: 4393

Ion Ratio Lower Upper

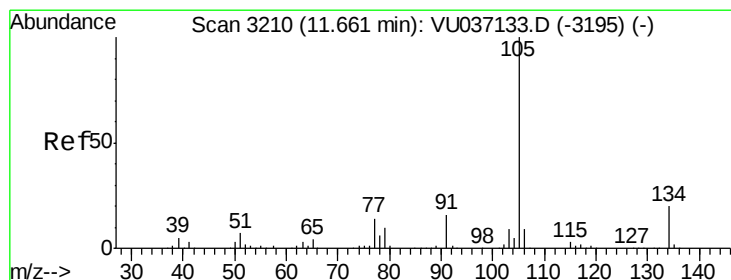
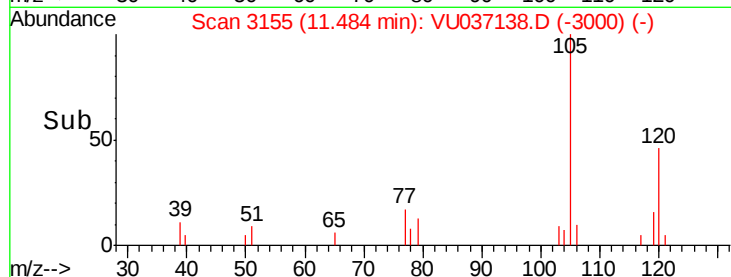
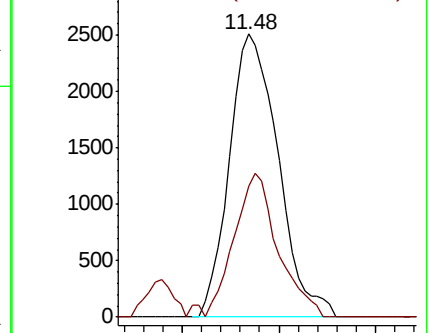
105 100

120 45.6 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#79

sec-Butylbenzene

Concen: 0.267 ug/l

RT: 11.66 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU037138.D

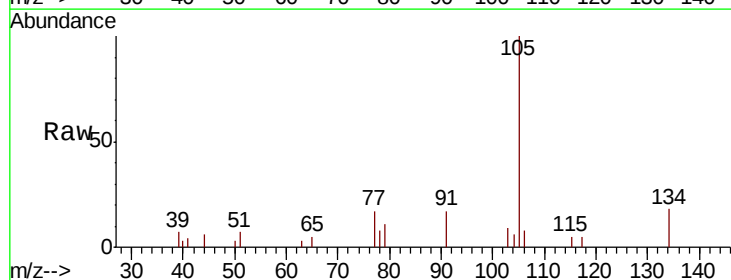
Acq: 09 Mar 2020 18:03

Tgt Ion:105 Resp: 6462

Ion Ratio Lower Upper

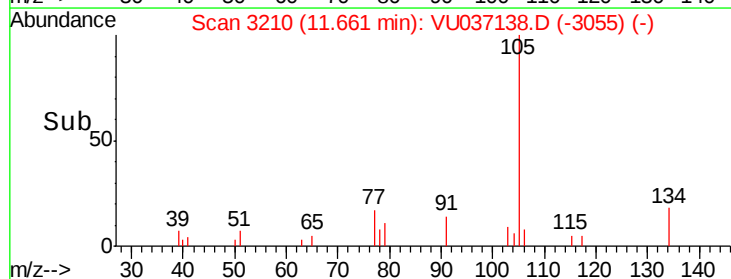
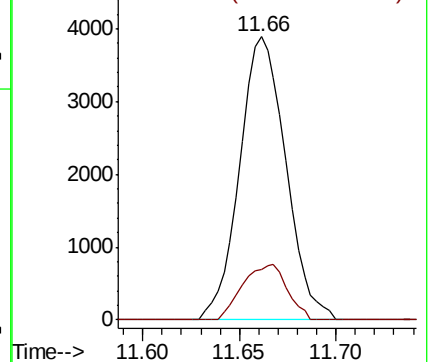
105 100

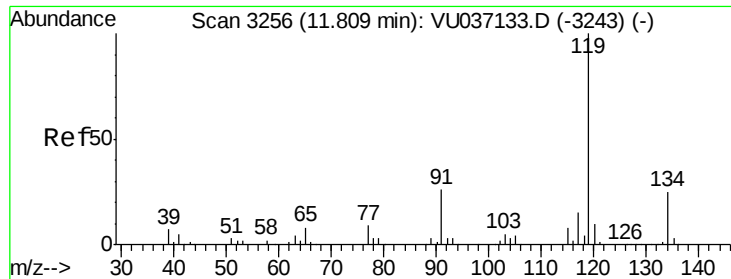
134 18.9 16.0 24.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

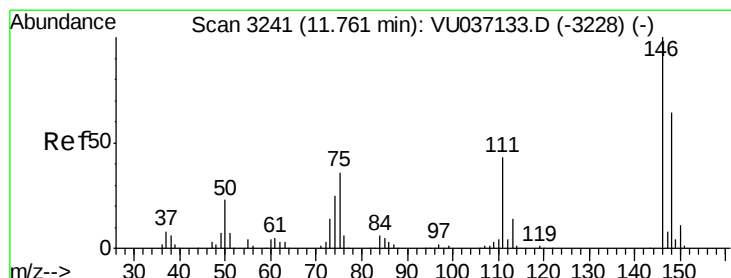
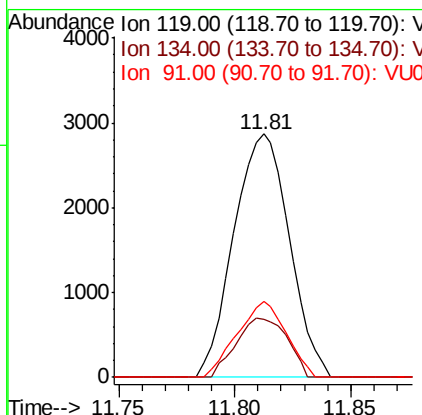
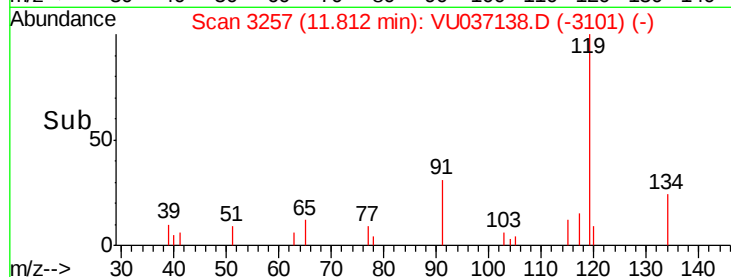
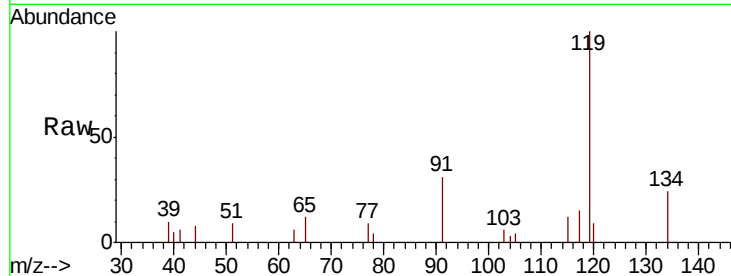




#81
 p-Isopropyltoluene
 Concen: 0.251 ug/l
 RT: 11.81 min Scan# 3257
 Delta R.T. 0.00 min
 Lab File: VU037138.D
 Acq: 09 Mar 2020 18:03

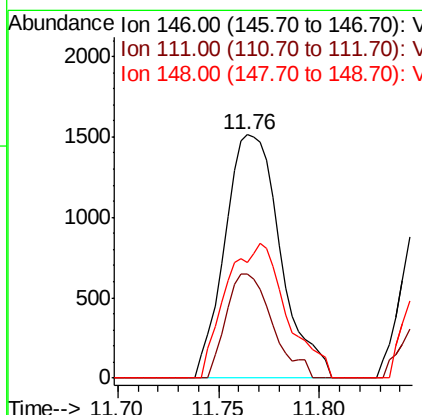
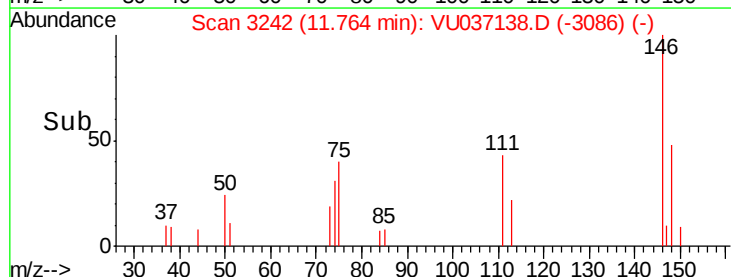
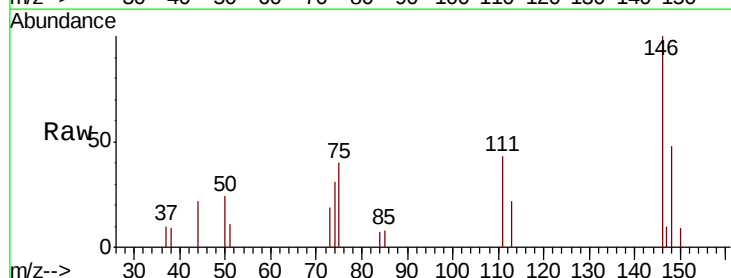
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

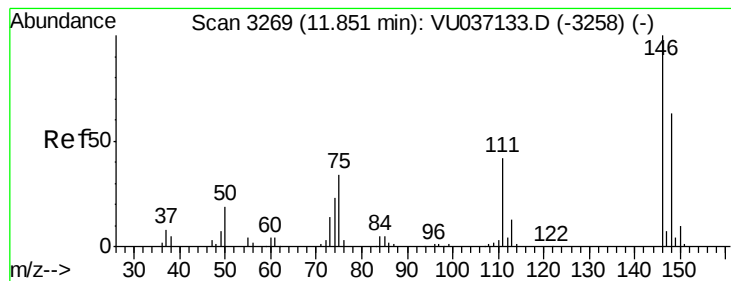
Tot Ion:119 Resp: 4771
 Ion Ratio Lower Upper
 119 100
 134 22.3 21.4 32.0
 91 27.5 18.3 27.5#



#82
 1,3-Dichlorobenzene
 Concen: 0.289 ug/l
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037138.D
 Acq: 09 Mar 2020 18:03

Tgt Ion:146 Resp: 2915
 Ion Ratio Lower Upper
 146 100
 111 35.6 32.2 48.2
 148 60.0 51.4 77.2





#83

1,4-Dichlorobenzene

Concen: 0.298 ug/l

RT: 11.85 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

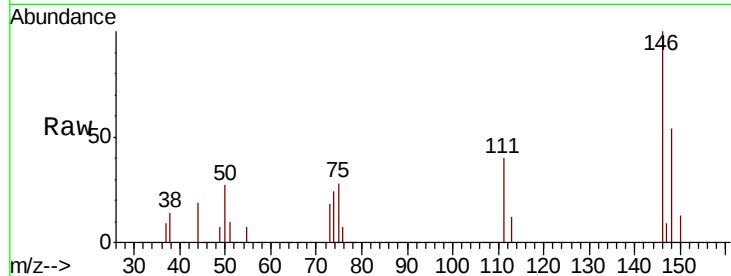
Tot Ion:146 Resp: 3049

Ion Ratio Lower Upper

146 100

111 39.7 30.5 45.7

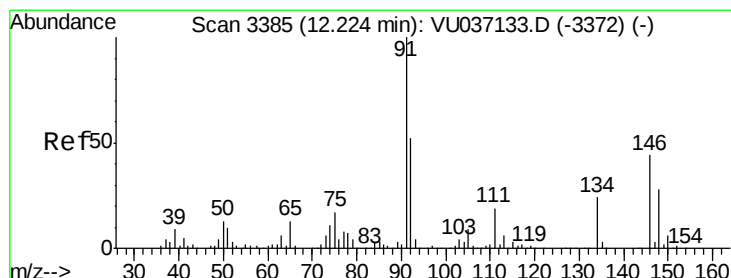
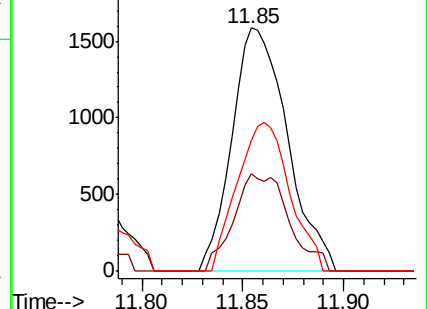
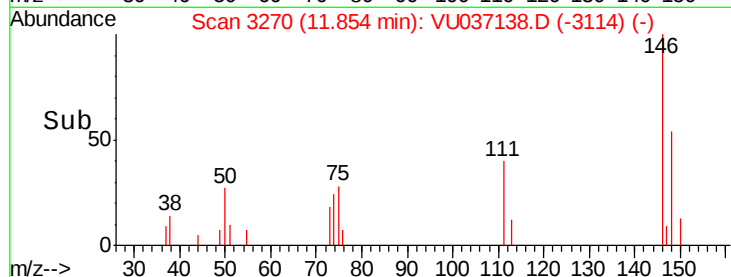
148 58.0 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

n-Butylbenzene

Concen: 0.223 ug/l

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

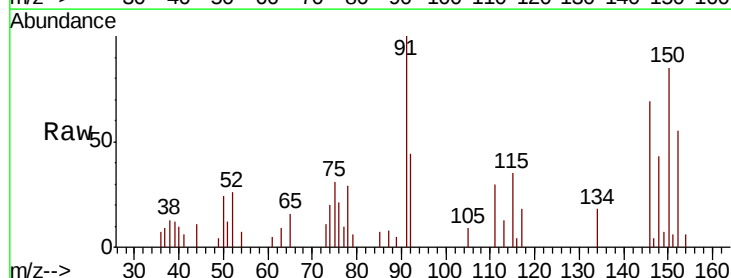
Tgt Ion: 91 Resp: 4024

Ion Ratio Lower Upper

91 100

92 48.9 42.9 64.3

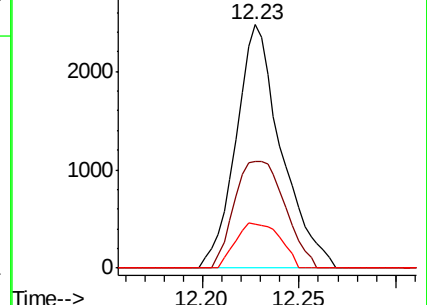
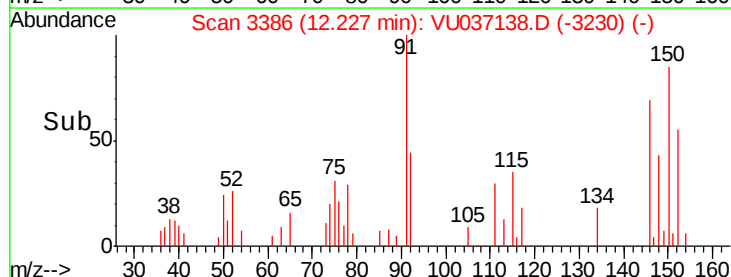
134 18.2 21.4 32.0#

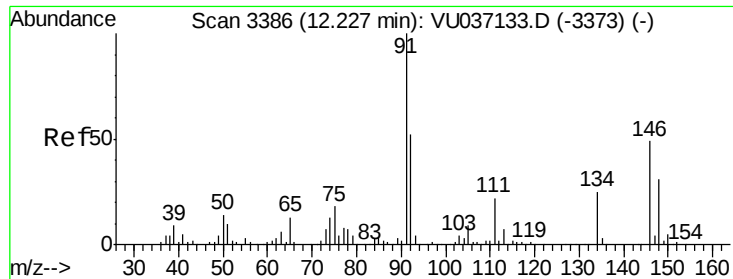


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 0.324 ug/l

RT: 12.23 min Scan# 3388

Delta R.T. 0.01 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

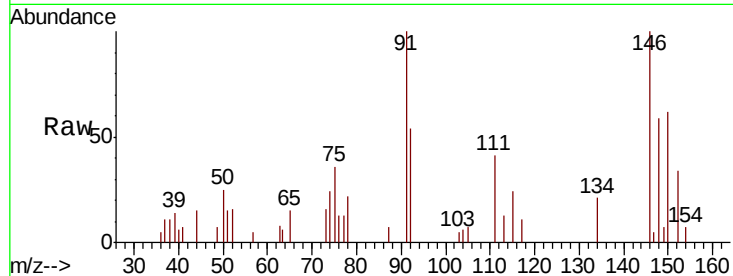
Tot Ion:146 Resp: 3165

Ion Ratio Lower Upper

146 100

111 45.2 20.8 62.4

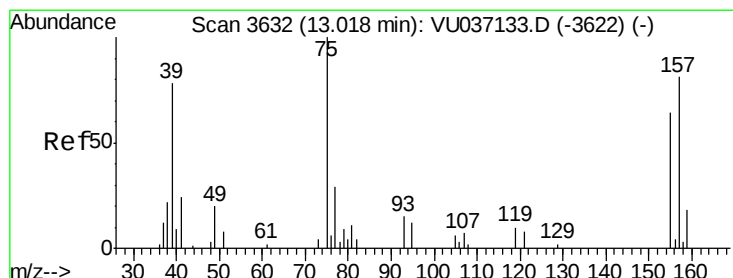
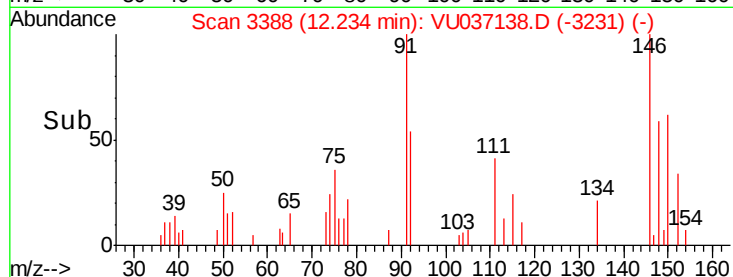
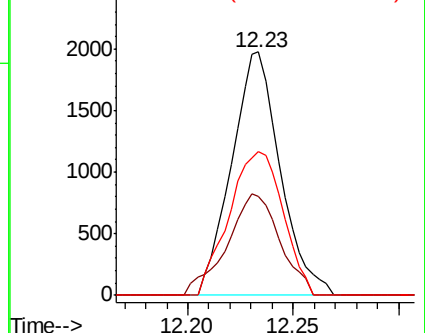
148 65.4 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.311 ug/l

RT: 13.03 min Scan# 3636

Delta R.T. 0.01 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

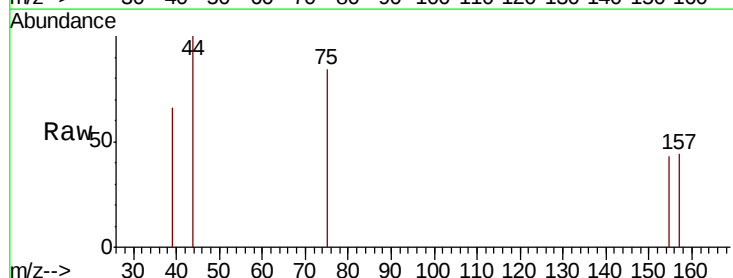
Tgt Ion: 75 Resp: 249

Ion Ratio Lower Upper

75 100

155 27.3 71.8 107.8#

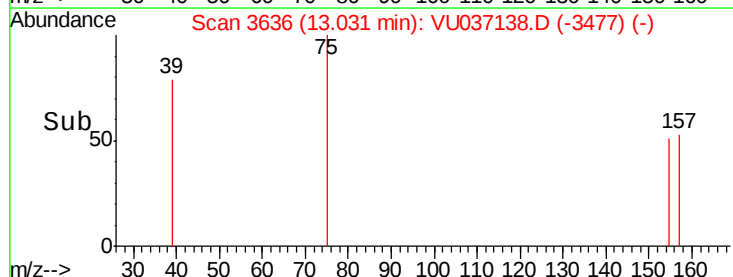
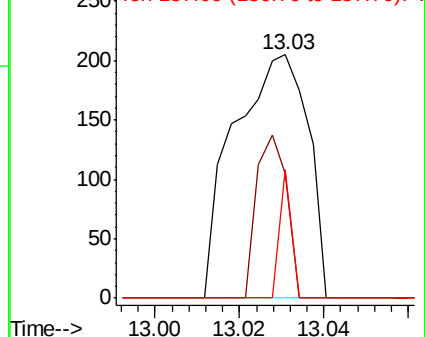
157 8.4 92.4 138.6#

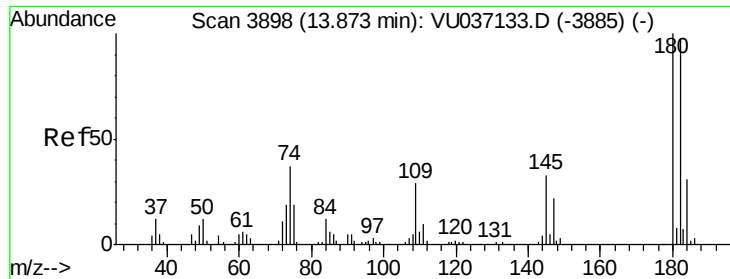


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

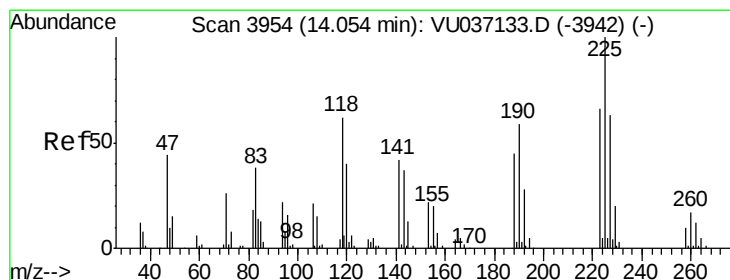
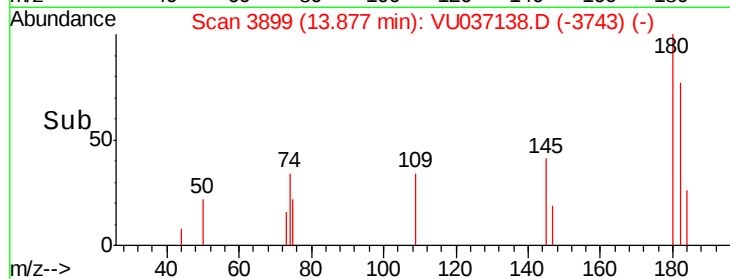
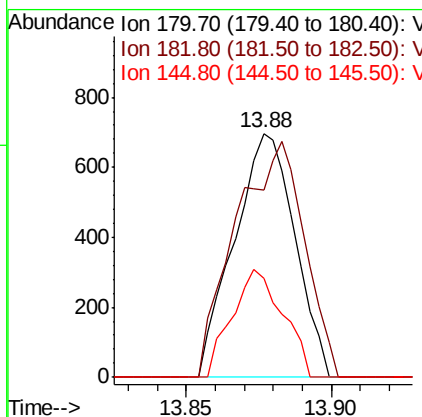
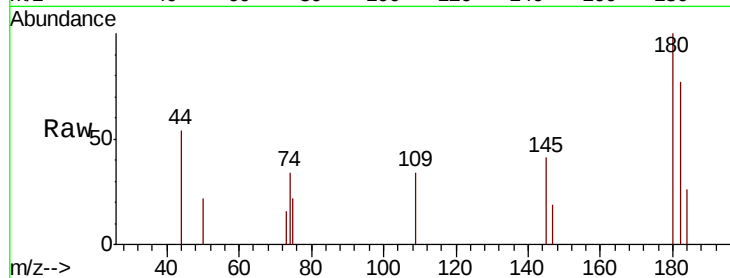




#87
 1,2,4-Trichlorobenzene
 Concen: 0.206 ug/l
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.00 min
 Lab File: VU037138.D
 Acq: 09 Mar 2020 18:03

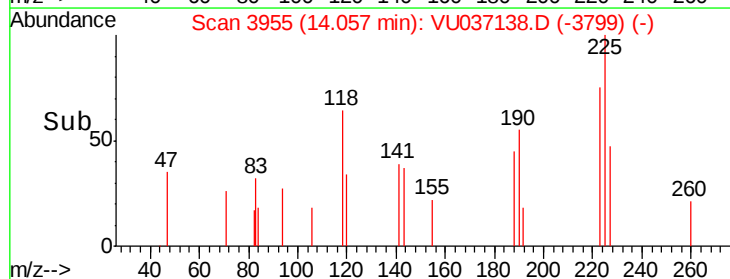
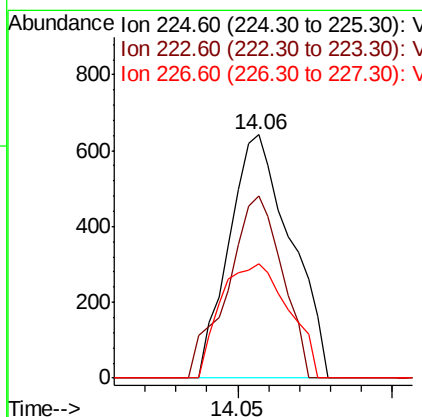
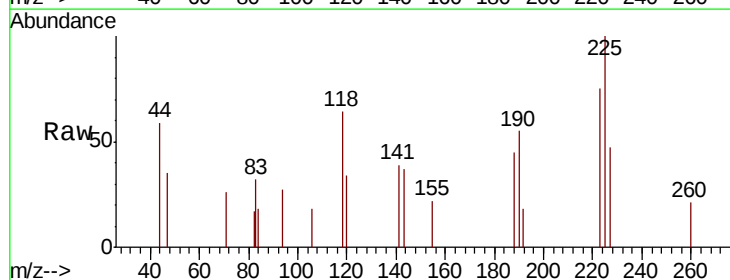
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

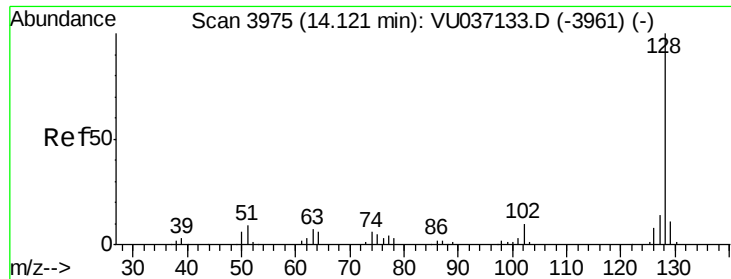
Tot Ion:180 Resp: 1012
 Ion Ratio Lower Upper
 180 100
 182 110.0 75.9 113.9
 145 37.1 23.4 35.2#



#88
 Hexachlorobutadiene
 Concen: 0.292 ug/l
 RT: 14.06 min Scan# 3955
 Delta R.T. 0.00 min
 Lab File: VU037138.D
 Acq: 09 Mar 2020 18:03

Tgt Ion:225 Resp: 887
 Ion Ratio Lower Upper
 225 100
 223 66.2 51.7 77.5
 227 51.7 50.6 75.8





#89

Naphthalene

Concen: 0.216 ug/l

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

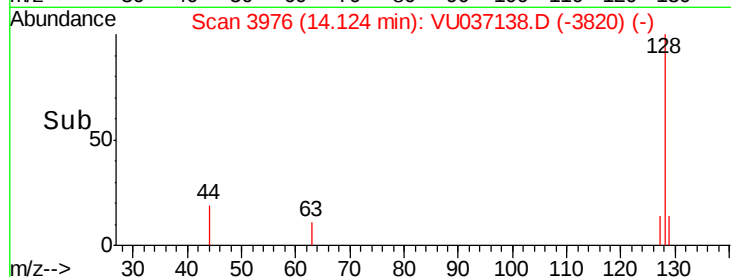
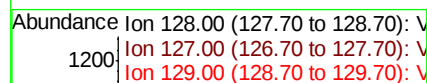
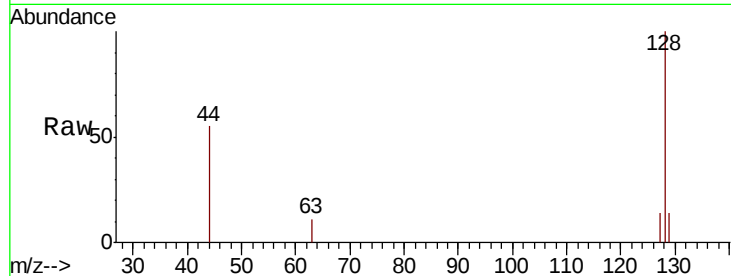
Tot Ion:128 Resp: 1801

Ion Ratio Lower Upper

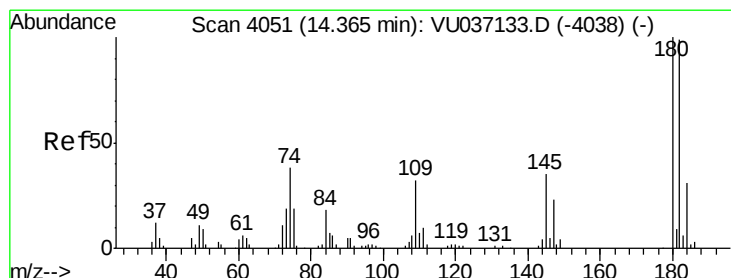
128 100

127 3.8 10.5 15.7#

129 3.8 8.7 13.1#



Time-->



#90

1,2,3-Trichlorobenzene

Concen: 0.242 ug/l

RT: 14.37 min Scan# 4052

Delta R.T. 0.00 min

Lab File: VU037138.D

Acq: 09 Mar 2020 18:03

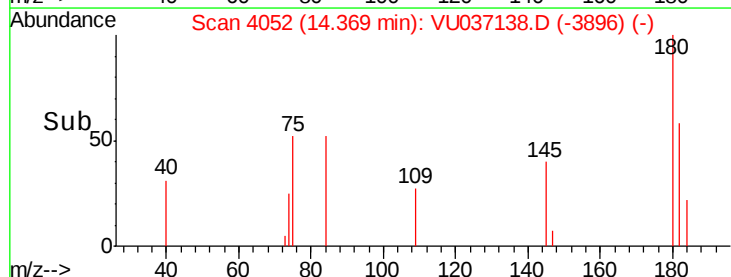
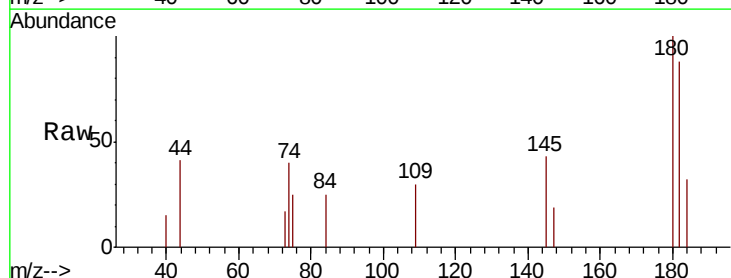
Tgt Ion:180 Resp: 1155

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.4

145 35.6 25.2 37.8



Time-->