

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102220\
 Data File : VU040920.D
 Acq On : 22 Oct 2020 23:53
 Operator : SY/MD
 Sample : L4214-07 0.4PPB
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Quant Time: Oct 23 07:04:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:00:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.12	96	51837	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	13820	0.73	ug/l	0.00
Spiked Amount 1.000			Recovery	=	73.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	15448	0.78	ug/l	0.00
Spiked Amount 1.000			Recovery	=	78.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	7968	0.330	ug/l	95
3) Chloromethane	1.53	50	9813	0.389	ug/l	98
4) Vinyl Chloride	1.61	62	8463	0.361	ug/l #	84
5) Bromomethane	1.87	94	5149	0.373	ug/l	88
6) Chloroethane	1.94	64	5889	0.411	ug/l	96
7) Trichlorofluoromethane	2.15	101	9932	0.335	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4750	0.288	ug/l #	85
9) 1,1-Dichloroethene	2.60	96	5497	0.383	ug/l	90
10) Iodomethane	2.74	142	4202	0.302	ug/l #	64
11) Allyl Chloride	2.94	41	10691	0.362	ug/l	92
12) Acrylonitrile	3.34	53	3772	0.745	ug/l #	89
13) Acetone	2.64	43	7968	1.881	ug/l	92
14) Carbon Disulfide	2.81	76	19479	0.361	ug/l #	95
15) Methylene Chloride	3.06	84	9172	0.492	ug/l	96
16) trans-1,2-Dichloroethene	3.37	96	5876	0.362	ug/l	98
17) 1,1-Dichloroethane	3.89	63	12287	0.370	ug/l	96
18) 2-Butanone	4.74	43	11530	1.683	ug/l	98
19) Cyclohexane	5.39	56	9846	0.315	ug/l #	92
20) Methylcyclohexane	6.77	83	6000	0.256	ug/l	97
21) 2,2-Dichloropropane	4.69	77	9598	0.342	ug/l	100
22) cis-1,2-Dichloroethene	4.68	96	6321	0.365	ug/l	94
23) Diethyl Ether	2.39	59	4509	0.318	ug/l	90
24) tert-Butyl Alcohol	3.21	59	8404	5.315	ug/l #	91
25) Methyl tert-Butyl Ether	3.39	73	15123	0.340	ug/l #	78
26) Bromochloromethane	4.99	128	2632	0.349	ug/l	95
27) Chloroform	5.11	83	11899	0.375	ug/l	99
28) 1,1,1-Trichloroethane	5.33	97	9678	0.353	ug/l	95
29) 1,1-Dichloropropene	5.54	75	7633	0.318	ug/l	96
30) Carbon Tetrachloride	5.53	117	8090	0.326	ug/l	96
31) Isopropyl Ether	4.02	45	17576	0.342	ug/l	85
32) Ethyl-t-butyl ether	4.53	59	15541	0.343	ug/l	99
33) Tert-Amyl methyl ether	5.96	73	9225	0.274	ug/l	96
34) Propionitrile	4.80	54	3650	1.940	ug/l #	83
35) Benzene	5.79	78	21586	0.325	ug/l	99
36) 1,2-Dichloroethane	5.81	62	8334	0.338	ug/l #	94
37) Trichloroethene	6.55	130	5568	0.354	ug/l	92
38) 1,2-Dichloropropane	6.80	63	5640	0.299	ug/l	91
39) Methacrylonitrile	5.01	41	3458	0.392	ug/l #	84
40) Methyl acrylate	4.87	55	4588	0.379	ug/l #	84
41) Tetrahydrofuran	5.08	42	4307	0.949	ug/l #	74
42) 1-Chlorobutane	5.47	56	12792	0.353	ug/l	97

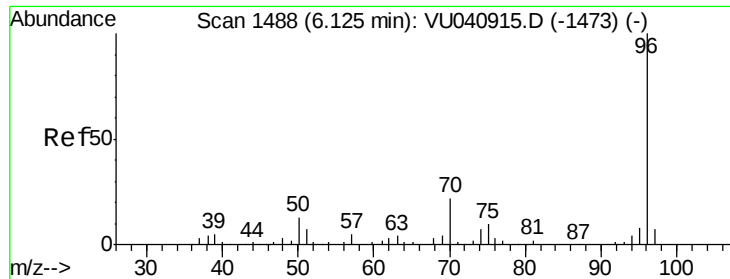
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102220\
 Data File : VU040920.D
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 Operator : SY/MD
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Quant Time: Oct 23 07:04:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:00:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	3480	0.329	ug/l	95
44) Bromodichloromethane	7.12	83	7999	0.326	ug/l	98
45) 4-Methyl-2-Pentanone	7.81	43	18228	1.313	ug/l	95
46) t-1,4-Dichloro-2-butene	10.82	75	2544	0.463	ug/l	89
47) Methyl methacrylate	6.98	69	4388	0.497	ug/l	94
48) Ethyl methacrylate	8.35	69	3366	0.227	ug/l	87
49) Toluene	7.97	92	9060	0.248	ug/l	97
50) t-1,3-Dichloropropene	8.21	75	6144	0.290	ug/l	98
51) cis-1,3-Dichloropropene	7.62	75	6492	0.279	ug/l #	82
52) 1,1,2-Trichloroethane	8.41	97	4487	0.336	ug/l	93
53) 1,3-Dichloropropane	8.58	76	7281	0.303	ug/l	98
54) 2-Hexanone	8.70	43	12756	1.315	ug/l	90
55) Dibromochloromethane	8.82	129	4688	0.292	ug/l	98
56) 1,2-Dibromoethane	8.93	107	3850	0.311	ug/l	96
58) Tetrachloroethene	8.56	164	4763	0.324	ug/l	94
59) Chlorobenzene	9.45	112	11181	0.289	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.54	131	5177	0.340	ug/l	91
61) Pentachloroethane	11.43	117	3922	0.319	ug/l	96
62) Hexachloroethane	12.47	117	3960	0.317	ug/l	99
63) Ethyl Benzene	9.57	91	13850	0.216	ug/l	94
64) m/p-Xylenes	9.70	106	10313	0.422	ug/l	95
65) o-Xylene	10.10	106	4799	0.213	ug/l	97
67) Bromoform	10.29	173	2755	0.318	ug/l #	90
69) Isopropylbenzene	10.48	105	13172	0.219	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	5947	0.327	ug/l #	98
72) Bromobenzene	10.78	156	4470	0.285	ug/l	87
73) n-propylbenzene	10.90	120	3605	0.210	ug/l	95
74) 2-Chlorotoluene	10.98	126	3567	0.229	ug/l	100
77) tert-Butylbenzene	11.41	119	11269	0.222	ug/l	88
80) Nitrobenzene	13.21	77	1488	1.730	ug/l #	73
82) 1,3-Dichlorobenzene	11.74	146	8043	0.235	ug/l	90
83) 1,4-Dichlorobenzene	11.83	146	8210	0.238	ug/l	96
84) n-Butylbenzene	12.20	91	12065	0.205	ug/l	88
85) 1,2-Dichlorobenzene	12.20	146	7935	0.243	ug/l	91
86) 1,2-Dibromo-3-Chloropropan	12.99	75	948	0.279	ug/l	95
87) 1,2,4-Trichlorobenzene	13.83	180	4713	0.246	ug/l	98
88) Hexachlorobutadiene	14.01	225	3028	0.282	ug/l	94
89) Naphthalene	14.08	128	8114	0.219	ug/l	95
90) 1,2,3-Trichlorobenzene	14.32	180	4565	0.245	ug/l #	95

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 96 Resp: 51837

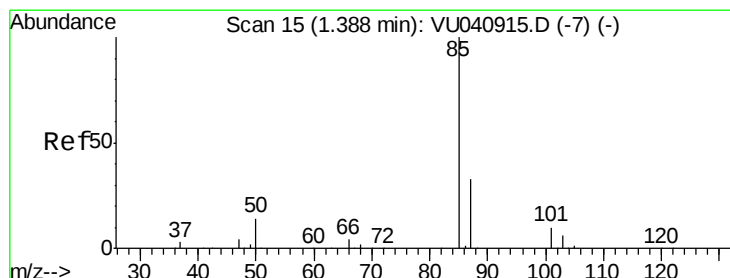
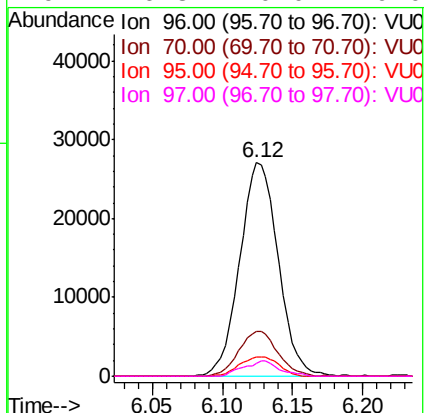
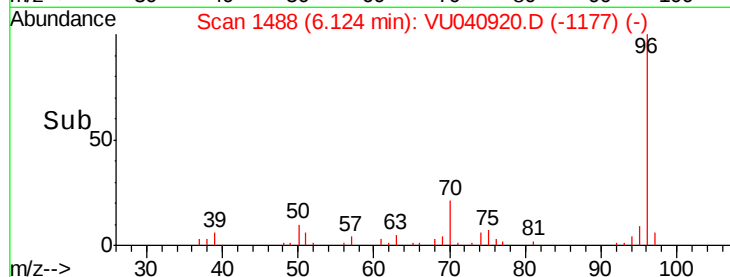
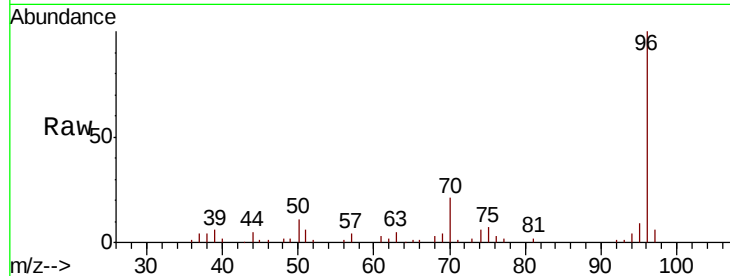
Ion Ratio Lower Upper

96 100

70 21.1 16.3 24.5

95 9.2 7.3 10.9

97 6.8 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.330 ug/l

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040920.D

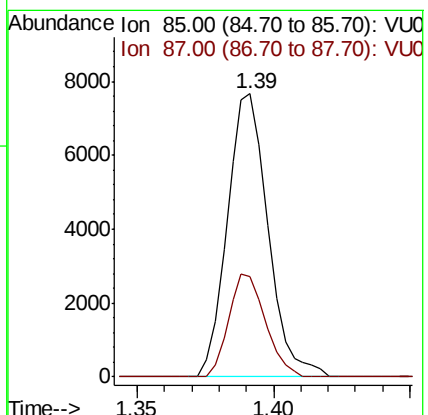
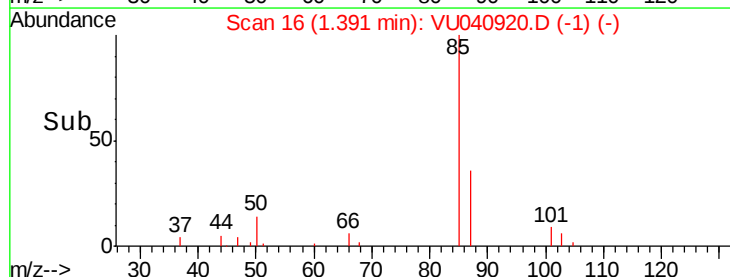
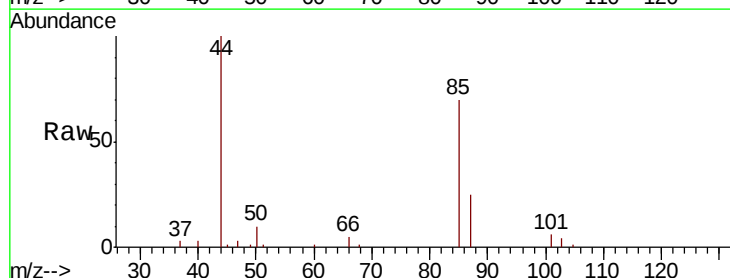
Acq: 22 Oct 2020 23:53

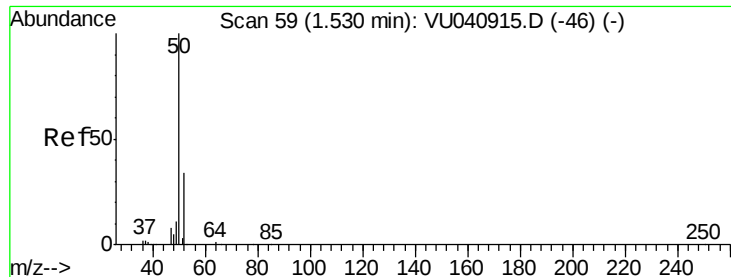
Tgt Ion: 85 Resp: 7968

Ion Ratio Lower Upper

85 100

87 35.6 16.5 49.5





#3

Chloromethane

Concen: 0.389 ug/l

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

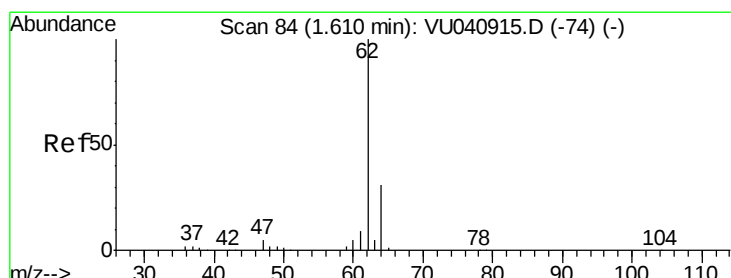
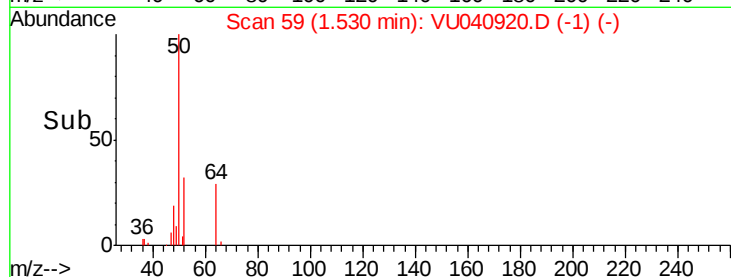
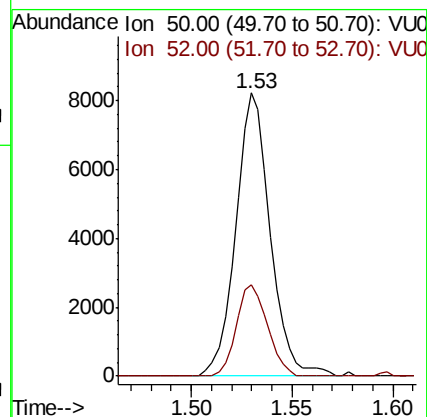
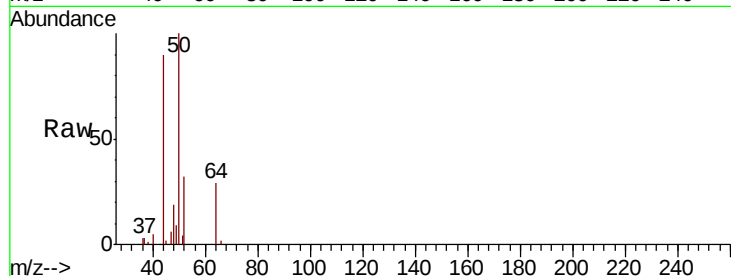
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 50 Resp: 9813

Ion Ratio Lower Upper

50 100

52 32.3 26.9 40.3



#4

Vinyl Chloride

Concen: 0.361 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040920.D

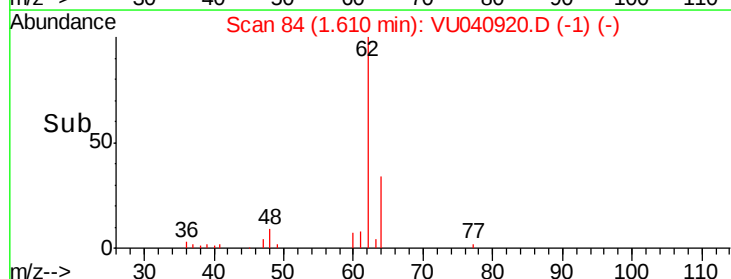
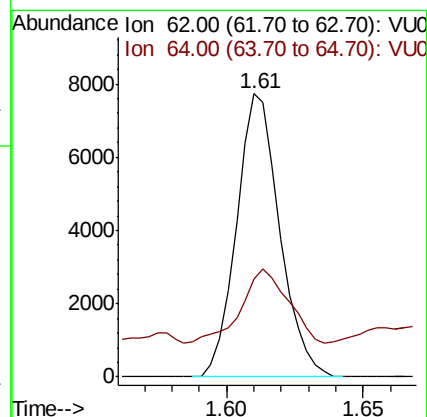
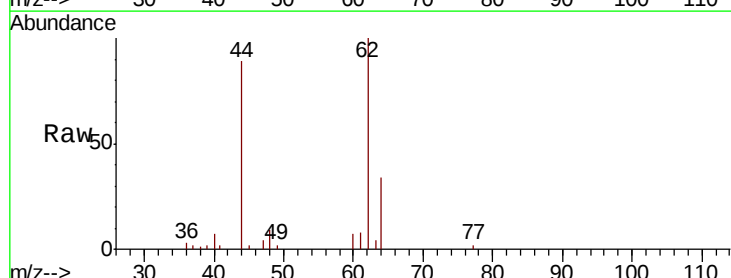
Acq: 22 Oct 2020 23:53

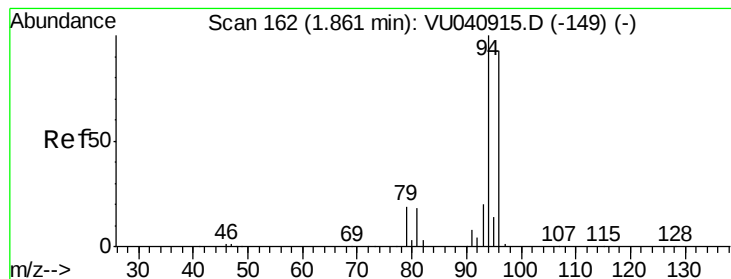
Tgt Ion: 62 Resp: 8463

Ion Ratio Lower Upper

62 100

64 22.0 24.7 37.1#





#5

Bromomethane

Concen: 0.373 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

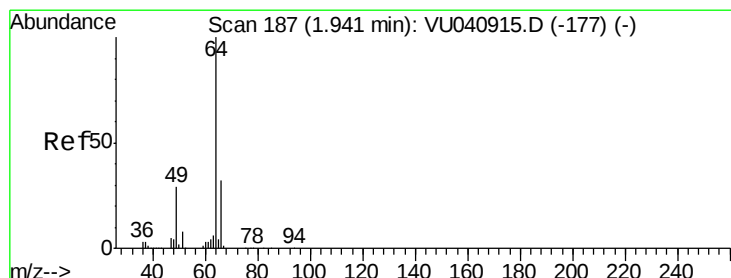
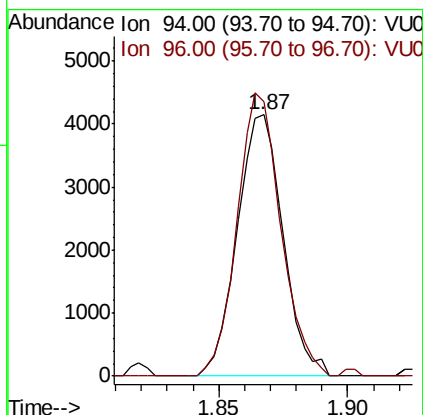
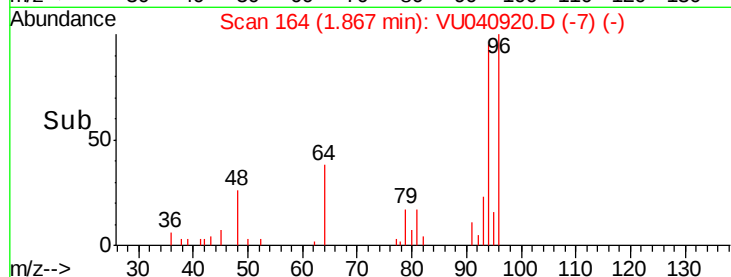
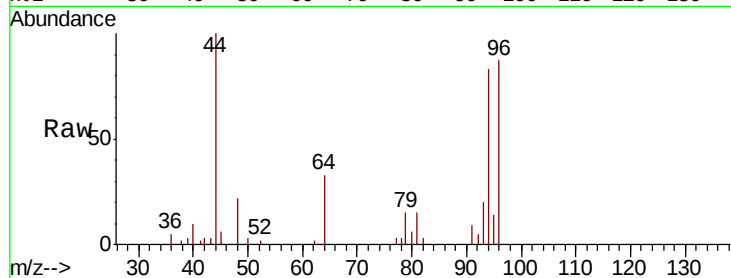
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 94 Resp: 5149

Ion Ratio Lower Upper

94 100

96 104.9 74.4 111.6



#6

Chloroethane

Concen: 0.411 ug/l

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040920.D

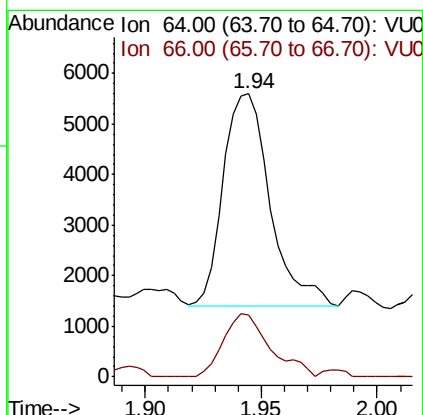
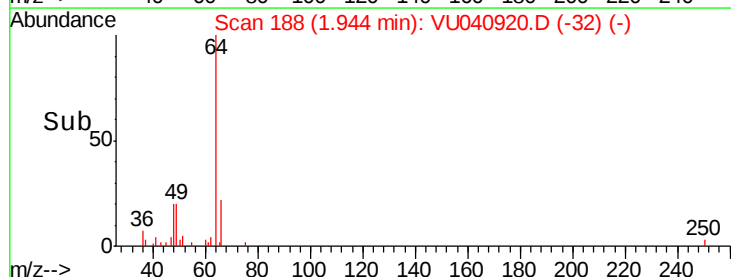
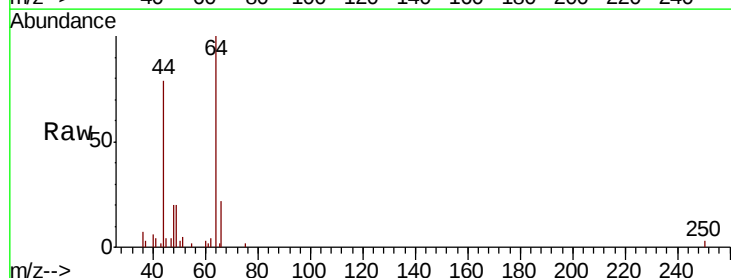
Acq: 22 Oct 2020 23:53

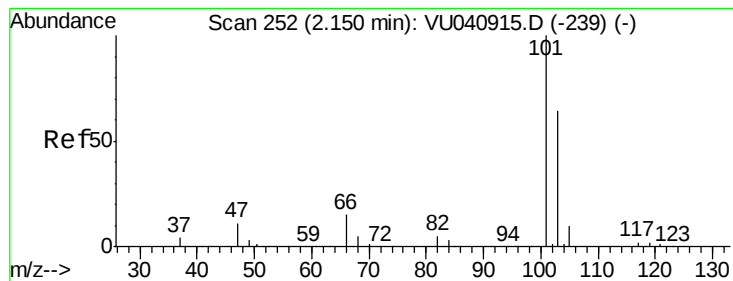
Tgt Ion: 64 Resp: 5889

Ion Ratio Lower Upper

64 100

66 29.5 25.4 38.2



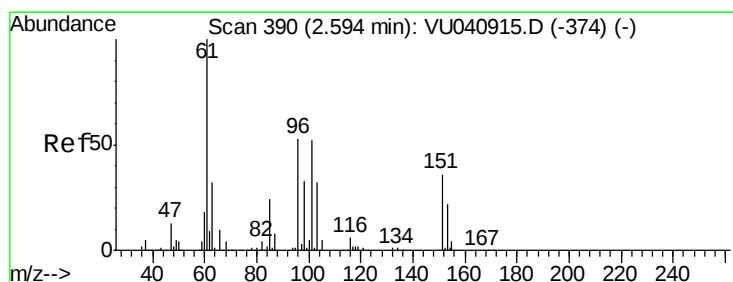
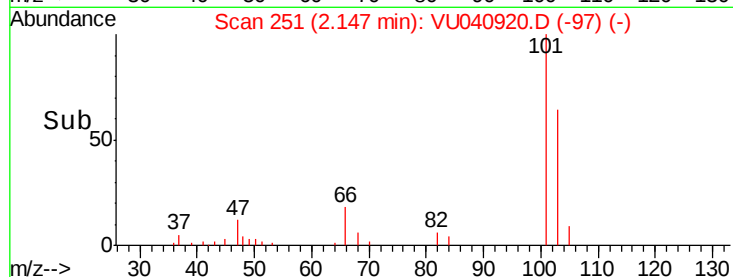
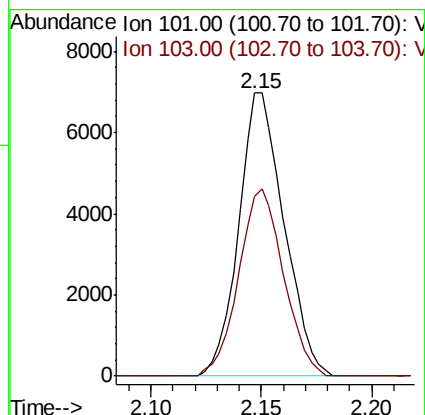
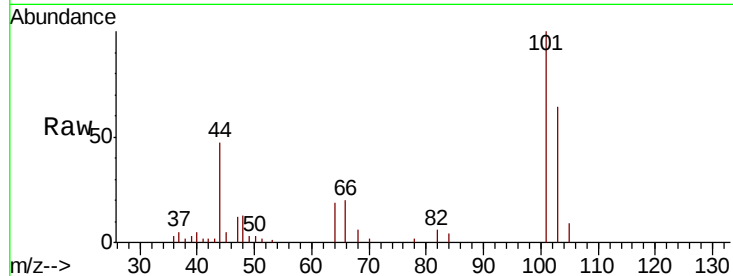


#7

Trichlorofluoromethane
 Concen: 0.335 ug/l
 RT: 2.15 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

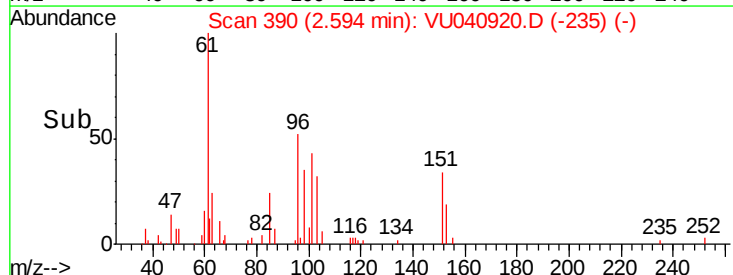
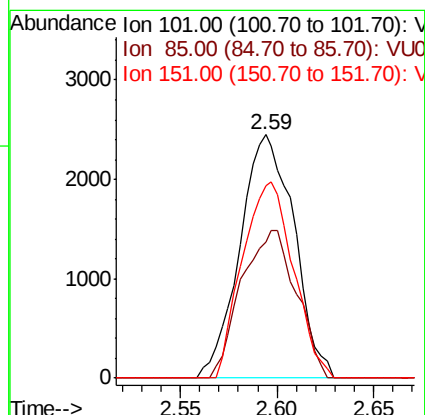
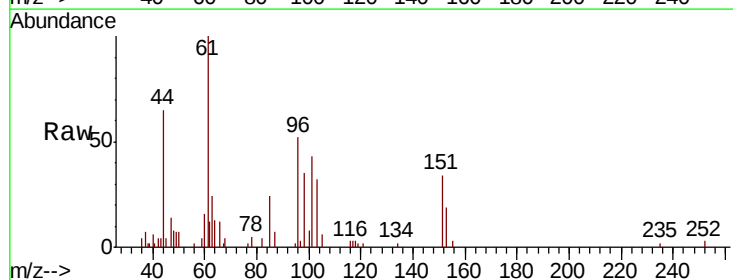
Tot Ion:101 Resp: 9932
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.5 77.3

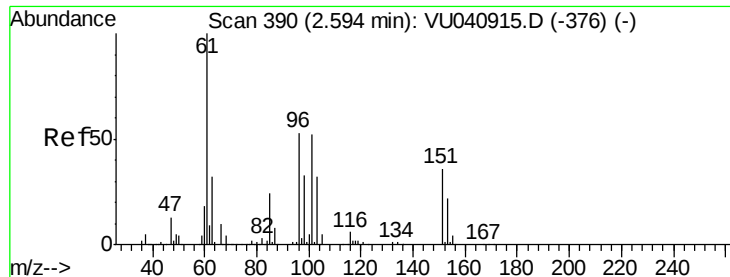


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.288 ug/l
 RT: 2.59 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Tgt Ion:101 Resp: 4750
 Ion Ratio Lower Upper
 101 100
 85 61.5 36.2 54.2#
 151 76.0 55.1 82.7





#9

1,1-Dichloroethene

Concen: 0.383 ug/l

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

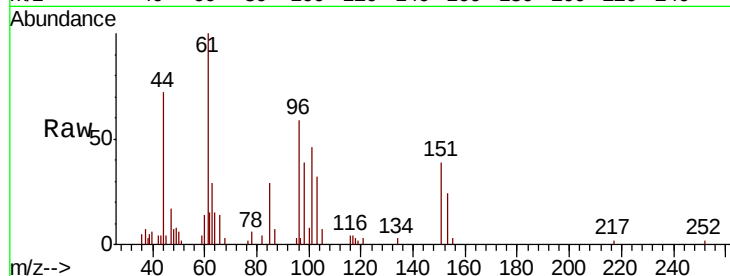
Tot Ion: 96 Resp: 5497

Ion Ratio Lower Upper

96 100

61 170.1 0.0 561.9

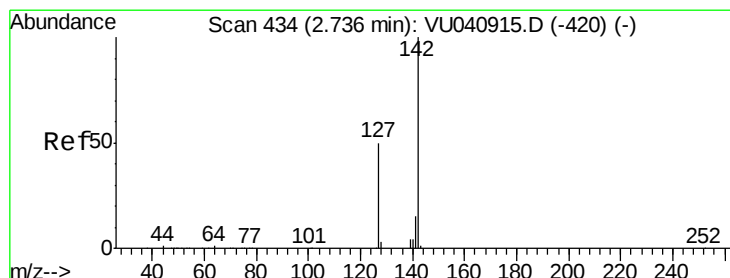
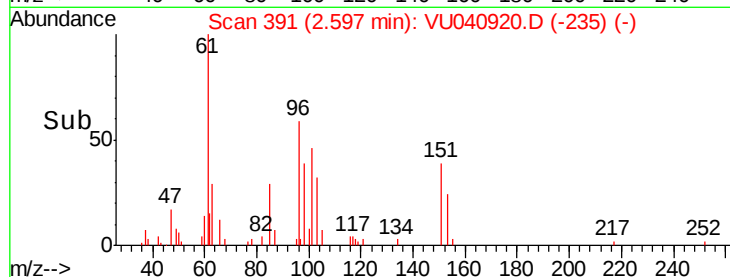
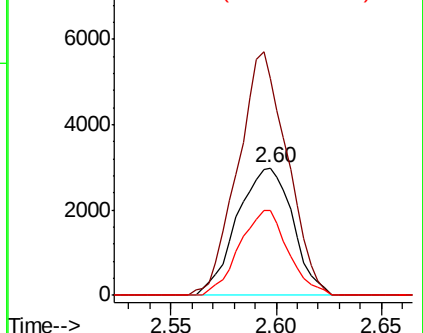
98 66.4 0.0 125.0



Abundance Ion 96.00 (95.70 to 96.70): VU040915.D (-376) (-)

Ion 61.00 (60.70 to 61.70): VU040915.D (-376) (-)

Ion 98.00 (97.70 to 98.70): VU040915.D (-376) (-)



#10

Iodomethane

Concen: 0.302 ug/l

RT: 2.74 min Scan# 435

Delta R.T. 0.00 min

Lab File: VU040920.D

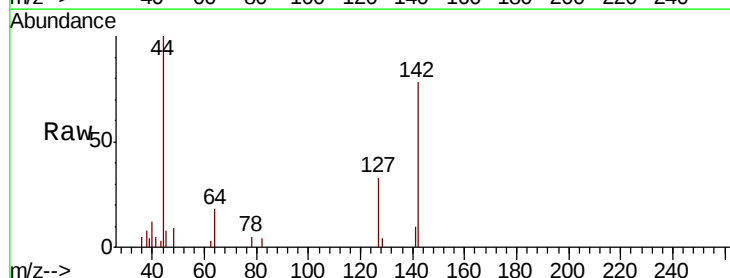
Acq: 22 Oct 2020 23:53

Tgt Ion: 142 Resp: 4202

Ion Ratio Lower Upper

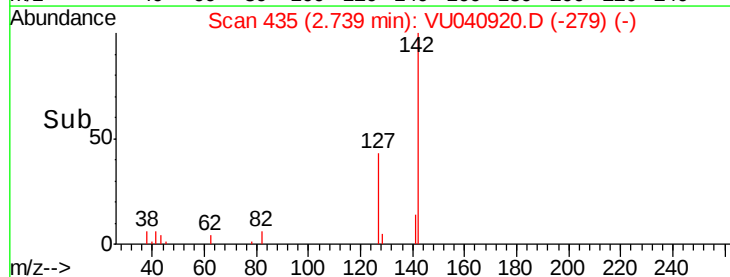
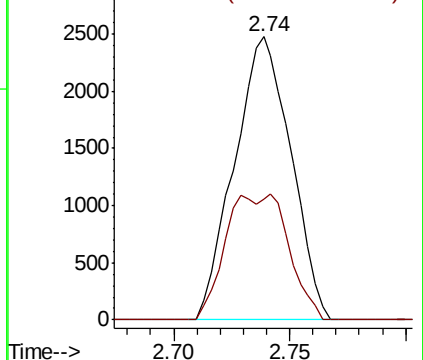
142 100

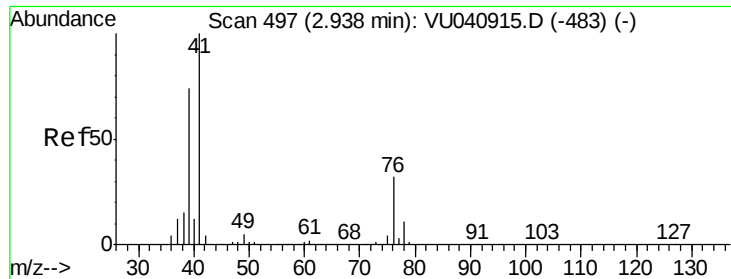
127 26.0 40.6 60.8#



Abundance Ion 142.00 (141.70 to 142.70): VU040915.D (-420) (-)

Ion 127.00 (126.70 to 127.70): VU040915.D (-420) (-)

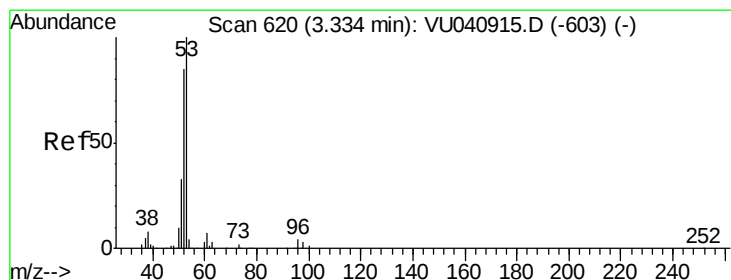
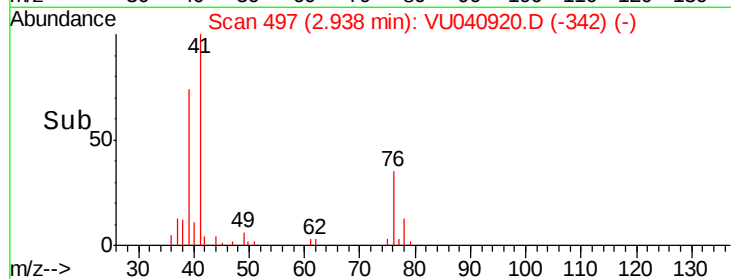
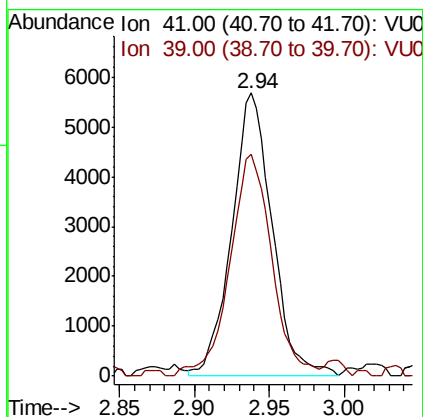
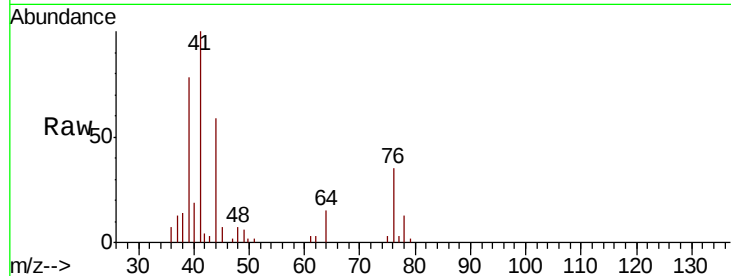




#11
Allvl Chloride
Concen: 0.362 ug/l
RT: 2.94 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

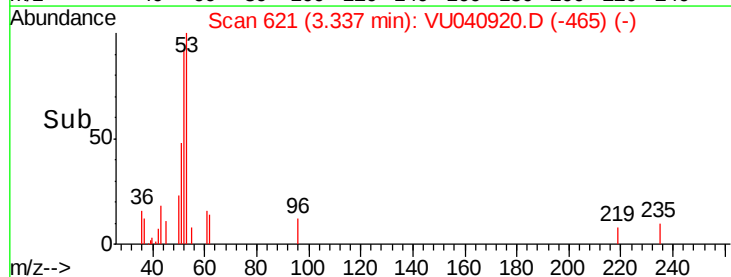
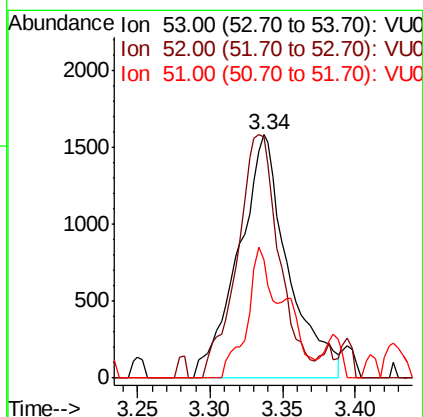
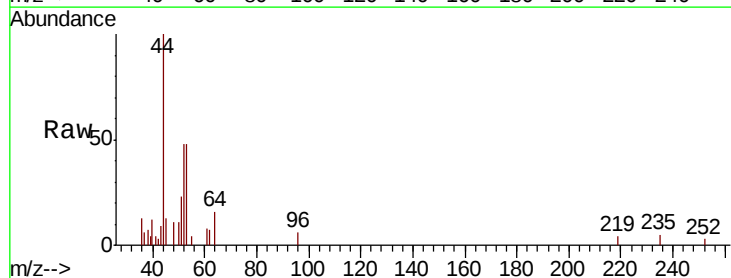
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

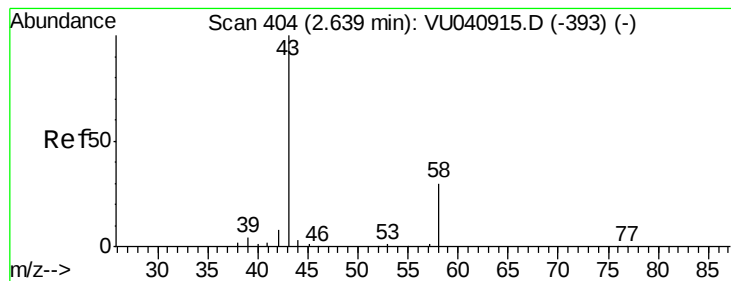
Tot Ion: 41 Resp: 10691
Ion Ratio Lower Upper
41 100
39 80.8 59.0 88.4



#12
Acrylonitrile
Concen: 0.745 ug/l
RT: 3.34 min Scan# 621
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion: 53 Resp: 3772
Ion Ratio Lower Upper
53 100
52 84.8 63.1 94.7
51 27.0 30.6 46.0#





#13

Acetone

Concen: 1.881 ug/l

RT: 2.64 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

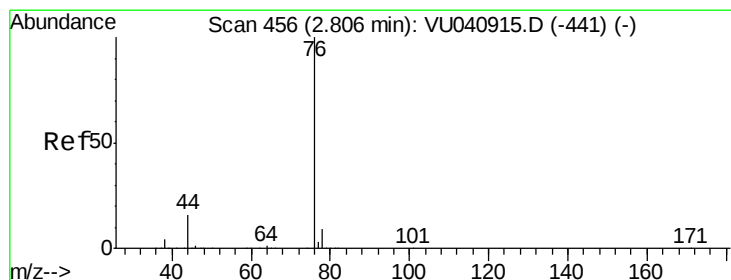
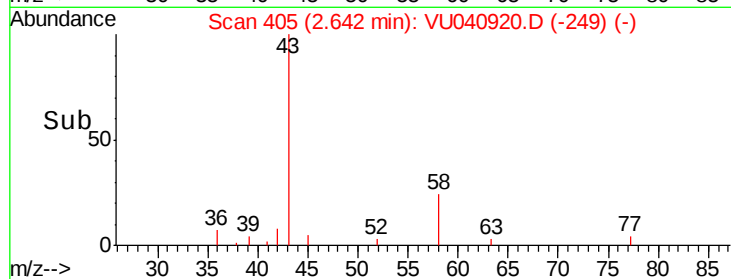
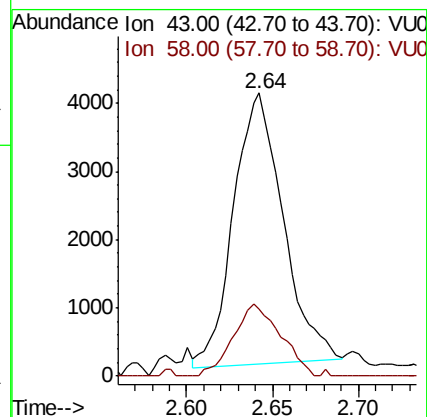
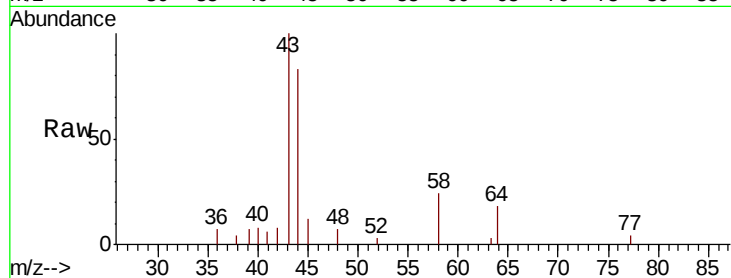
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 7968

Ion Ratio Lower Upper

43 100

58 25.3 23.6 35.4



#14

Carbon Disulfide

Concen: 0.361 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040920.D

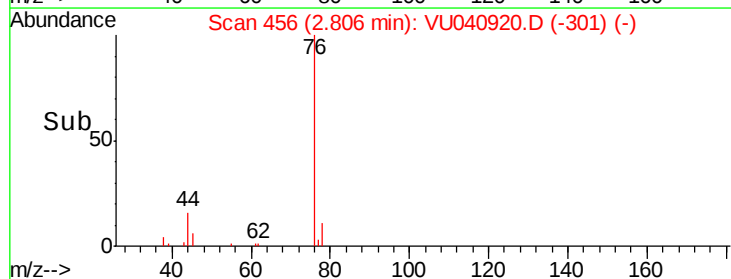
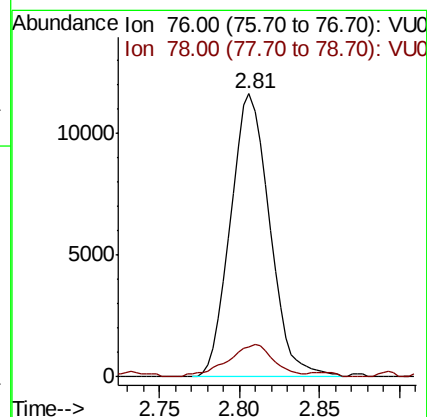
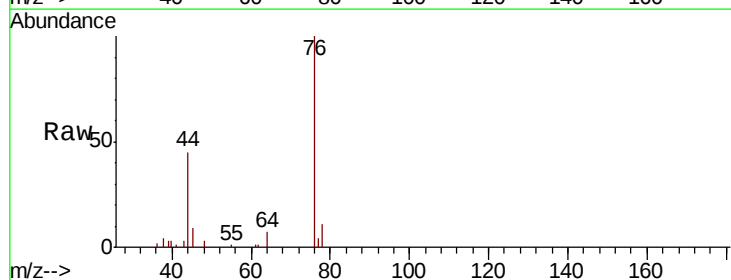
Acq: 22 Oct 2020 23:53

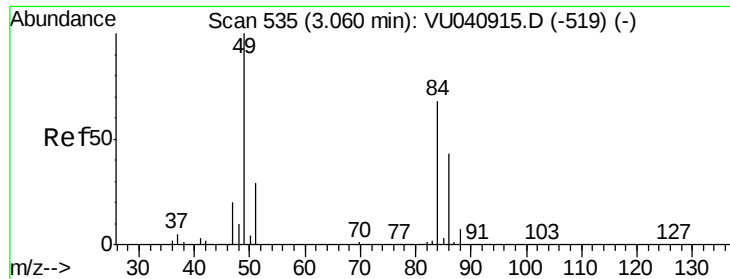
Tgt Ion: 76 Resp: 19479

Ion Ratio Lower Upper

76 100

78 10.8 7.1 10.7#

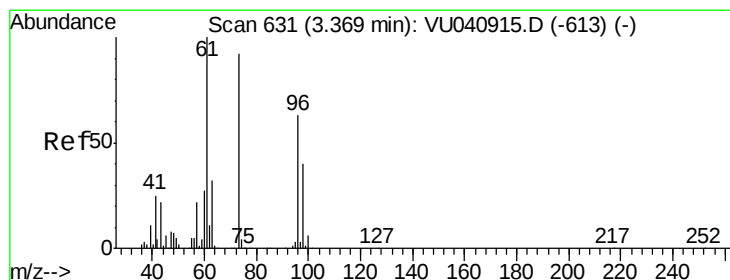
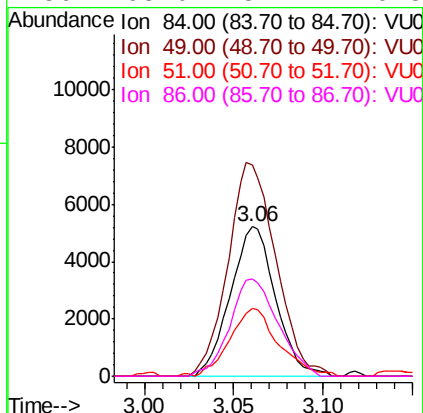
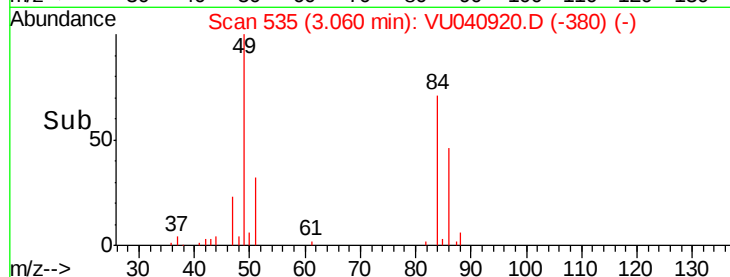
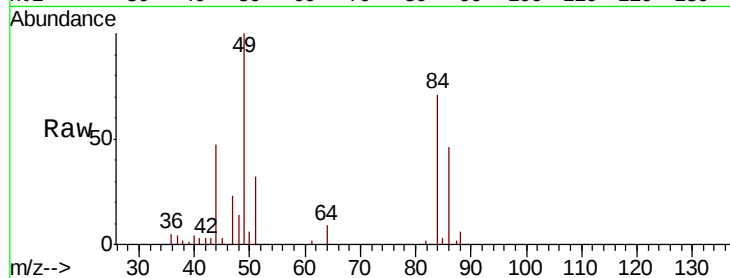




#15
Methvlene Chloride
Concen: 0.492 ug/l
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

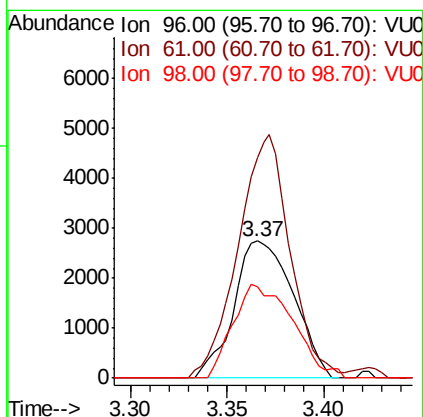
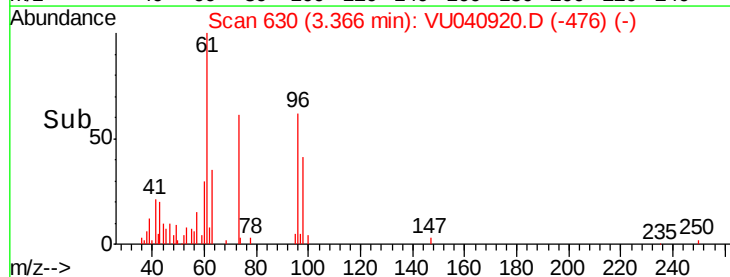
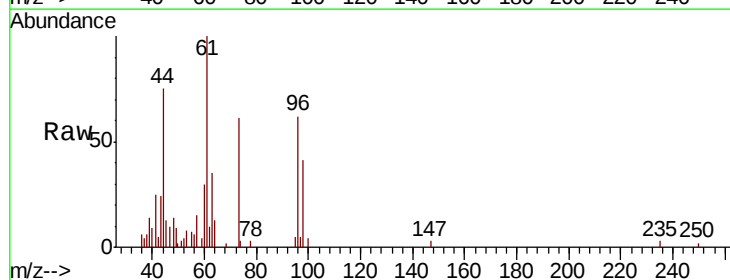
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

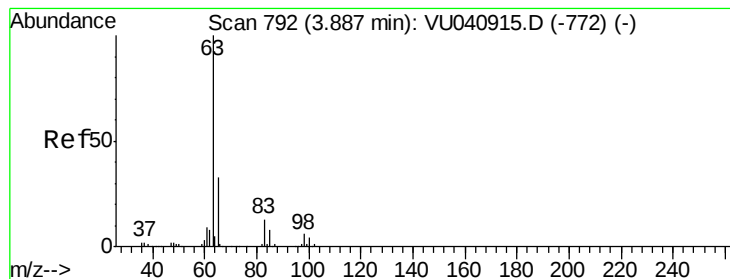
Tot Ion:	84	Resp:	9172
Ion	Ratio	Lower	Upper
84	100		
49	140.9	118.2	177.4
51	45.2	0.0	86.8
86	65.0	51.2	76.8



#16
trans-1,2-Dichloroethene
Concen: 0.362 ug/l
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion:	96	Resp:	5876
Ion	Ratio	Lower	Upper
96	100		
61	161.3	127.0	190.4
98	66.7	51.2	76.8





#17

1,1-Dichloroethane

Concen: 0.370 ug/l

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

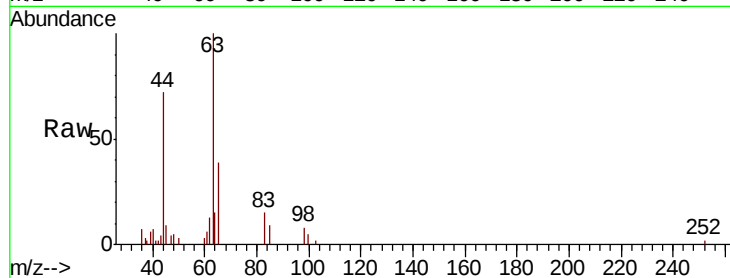
Tot Ion: 63 Resp: 12287

Ion Ratio Lower Upper

63 100

98 7.7 3.0 9.2

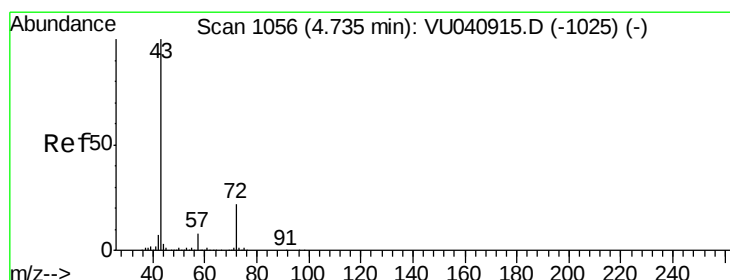
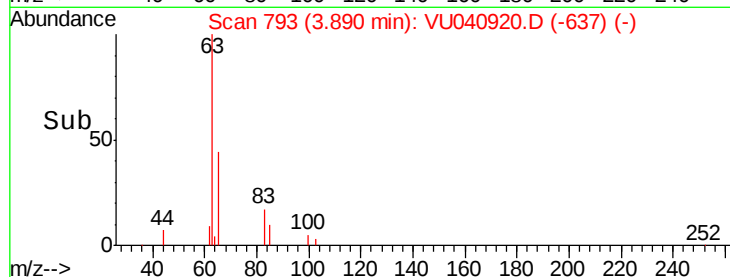
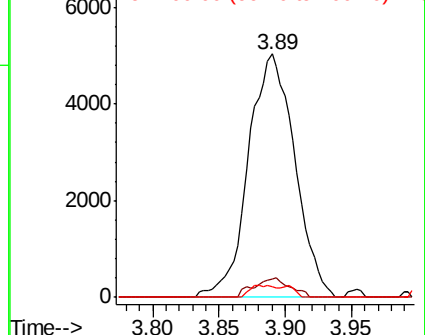
100 4.6 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VU040920.D (-637) (-)

Ion 98.00 (97.70 to 98.70): VU040920.D (-981) (-)

Ion 100.00 (99.70 to 100.70): VU040920.D (-1001) (-)



#18

2-Butanone

Concen: 1.683 ug/l

RT: 4.74 min Scan# 1058

Delta R.T. 0.01 min

Lab File: VU040920.D

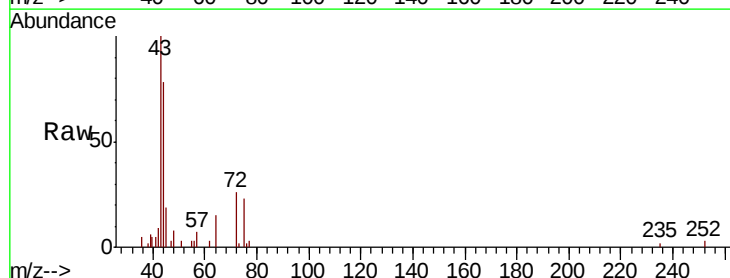
Acq: 22 Oct 2020 23:53

Tgt Ion: 43 Resp: 11530

Ion Ratio Lower Upper

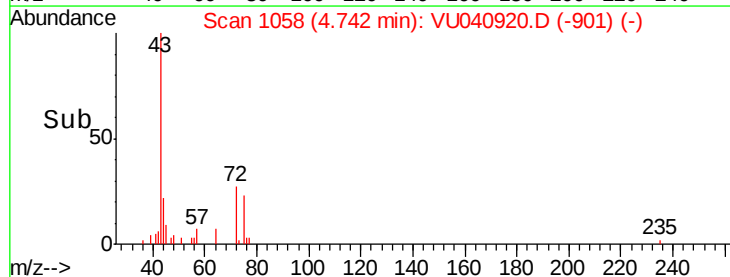
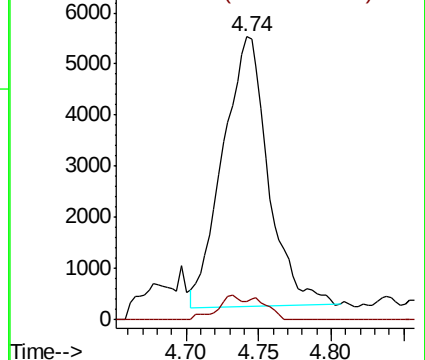
43 100

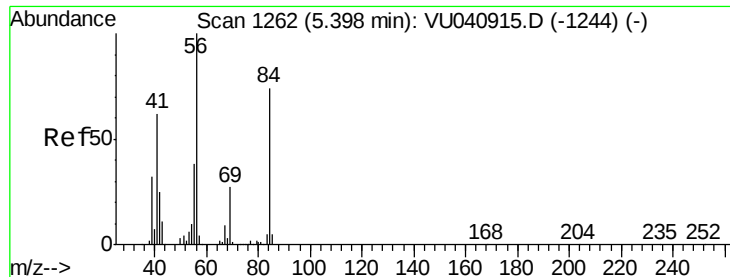
57 6.9 0.0 15.2



Abundance Ion 43.00 (42.70 to 43.70): VU040920.D (-431) (-)

Ion 57.00 (56.70 to 57.70): VU040920.D (-571) (-)

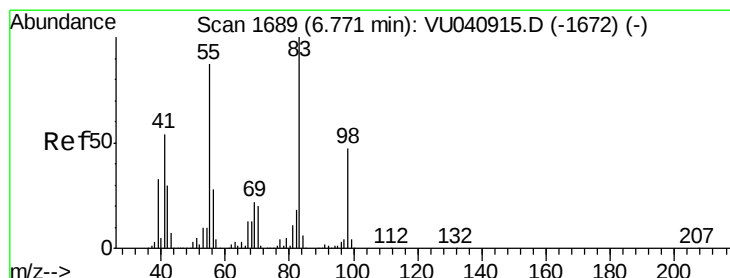
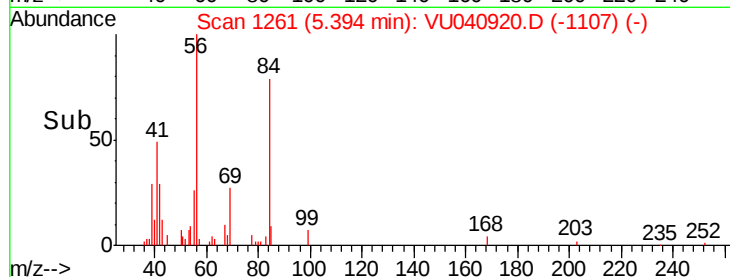
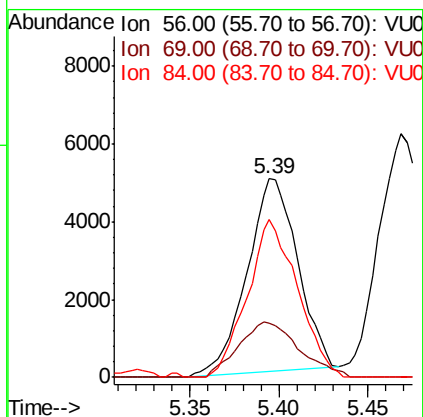
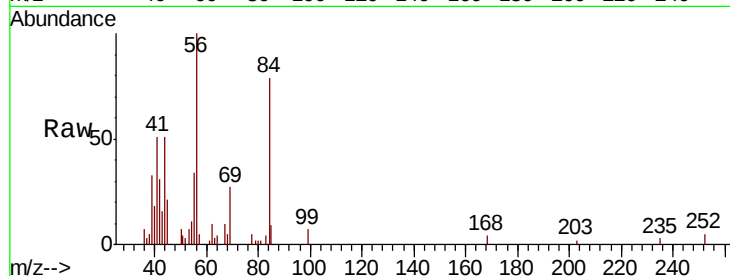




#19
Cyclohexane
Concen: 0.315 ug/l
RT: 5.39 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

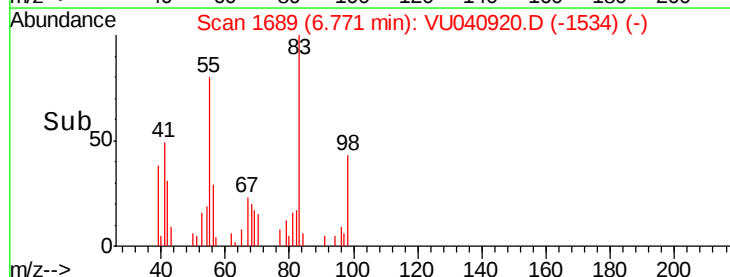
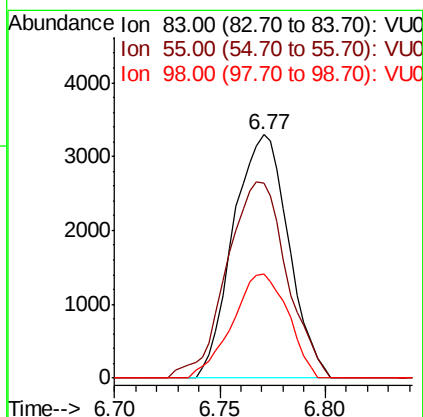
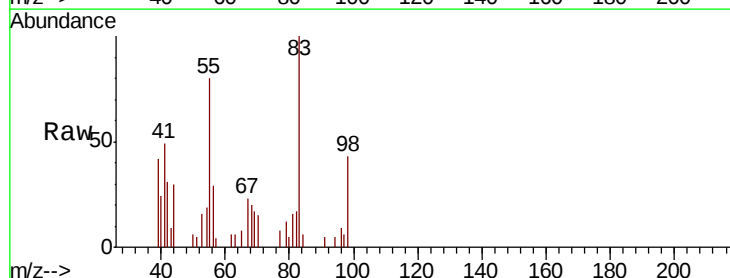
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

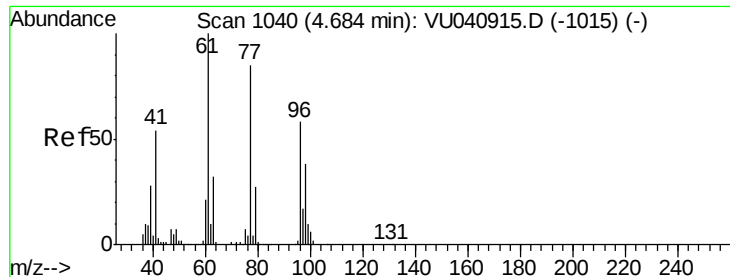
Tot Ion: 56 Resp: 9846
Ion Ratio Lower Upper
56 100
69 34.2 22.2 33.2#
84 80.9 60.1 90.1



#20
Methylcyclohexane
Concen: 0.256 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion: 83 Resp: 6000
Ion Ratio Lower Upper
83 100
55 87.4 71.0 106.4
98 43.0 38.1 57.1





#21

2,2-Dichloropropane

Concen: 0.342 ug/l

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

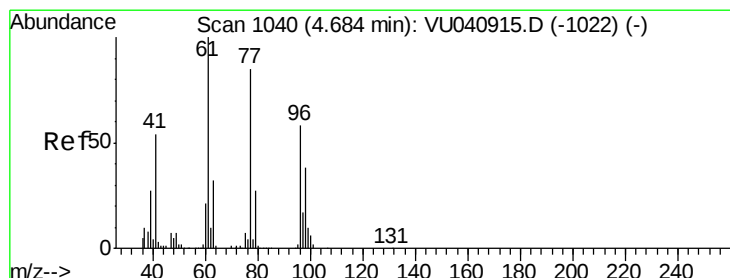
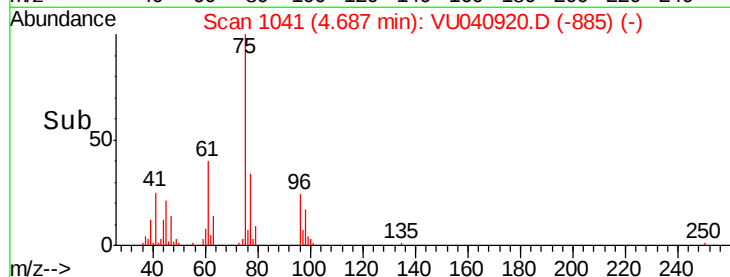
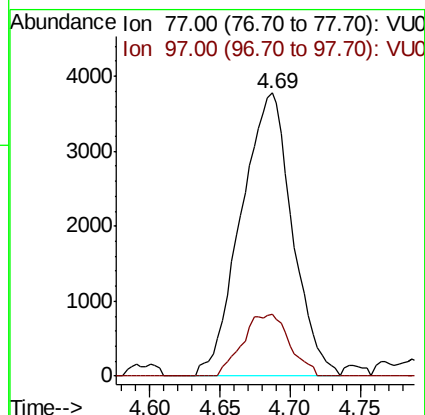
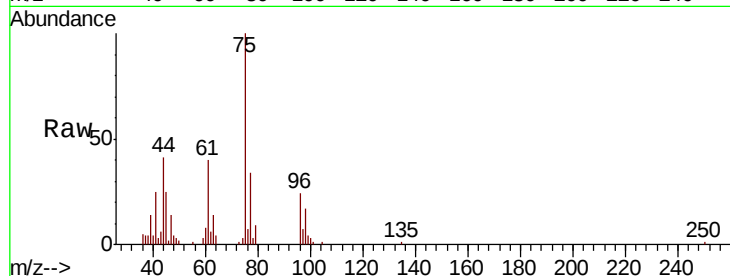
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 77 Resp: 9598

Ion Ratio Lower Upper

77 100

97 20.0 16.0 24.0



#22

cis-1,2-Dichloroethene

Concen: 0.365 ug/l

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

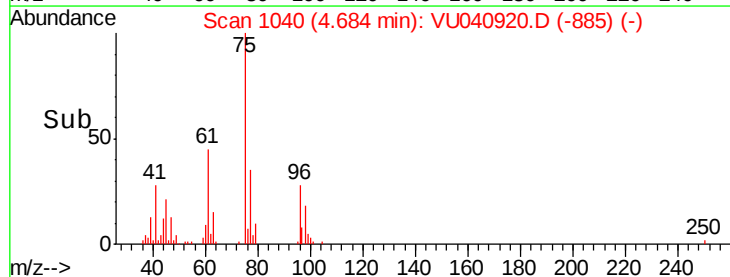
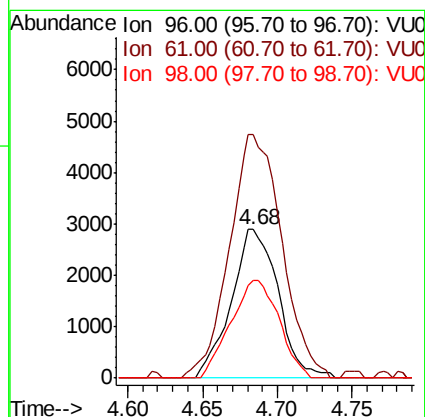
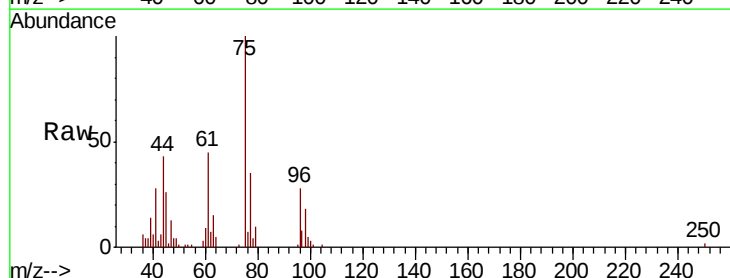
Tgt Ion: 96 Resp: 6321

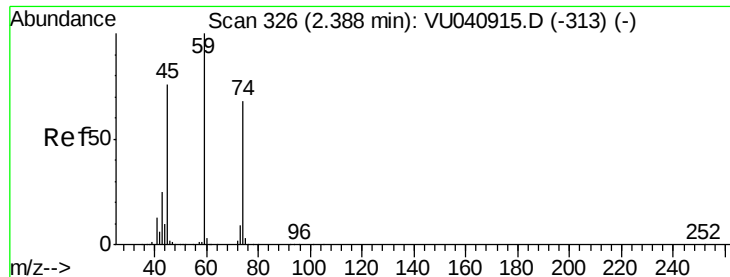
Ion Ratio Lower Upper

96 100

61 182.7 0.0 434.5

98 67.7 32.6 97.8

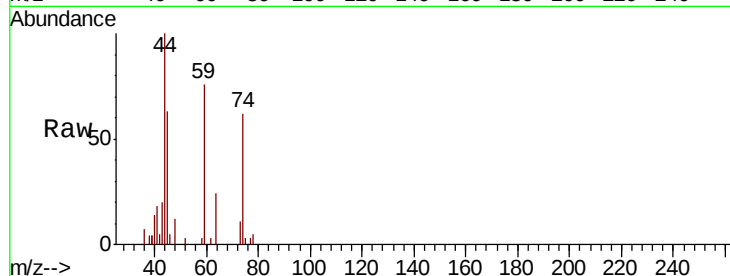




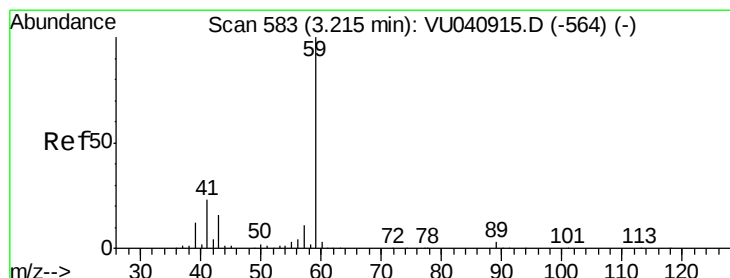
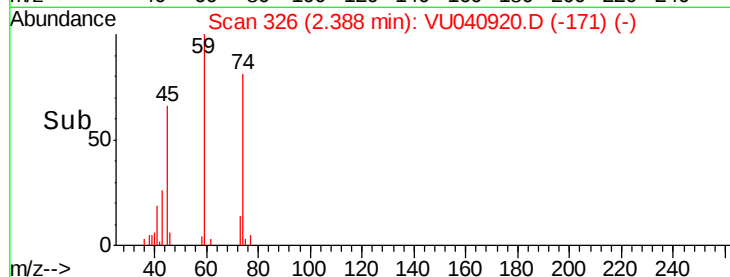
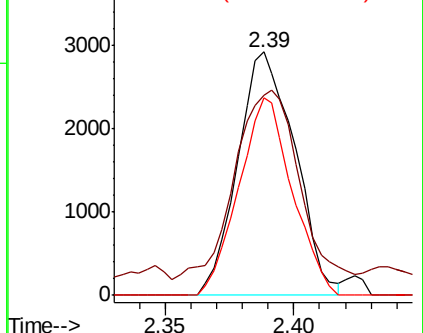
#23
Diethyl Ether
Concen: 0.318 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 59 Resp: 4509
Ion Ratio Lower Upper
59 100
45 86.1 61.4 92.2
74 76.1 55.0 82.4

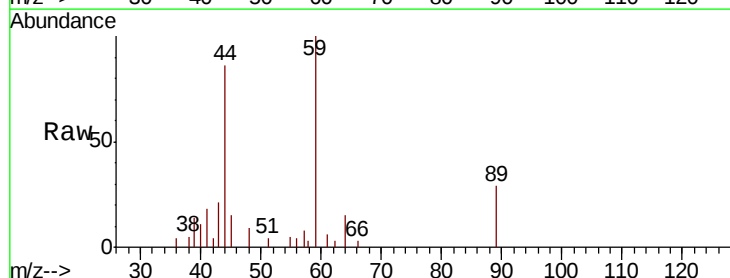


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

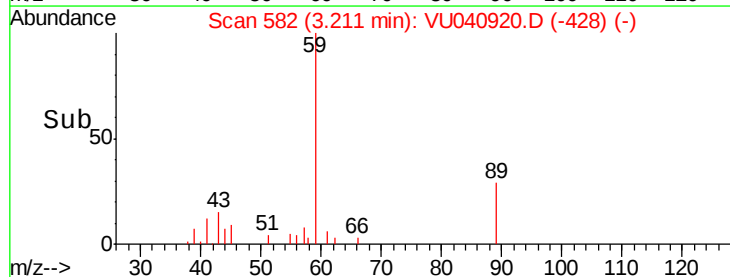
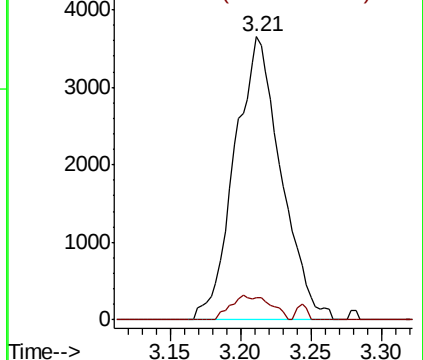


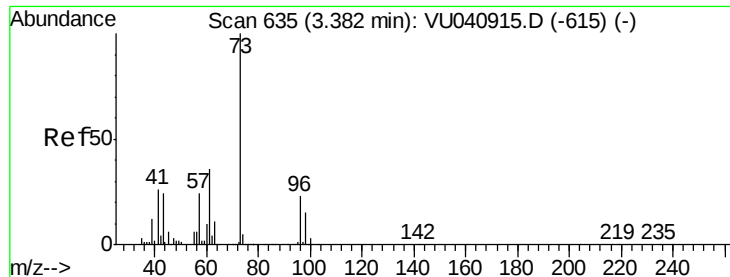
#24
tert-Butyl Alcohol
Concen: 5.315 ug/l
RT: 3.21 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion: 59 Resp: 8404
Ion Ratio Lower Upper
59 100
57 7.3 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



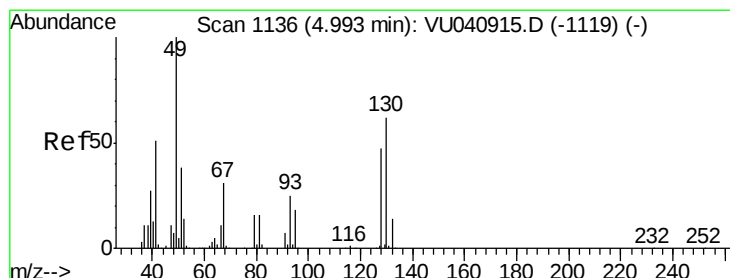
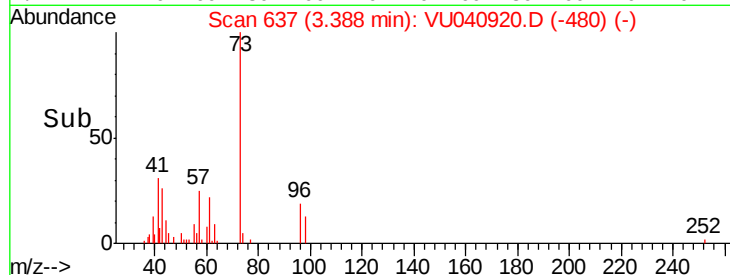
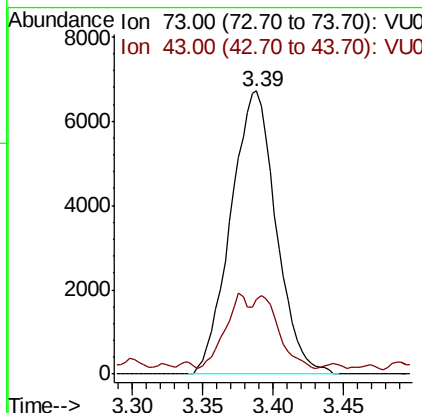
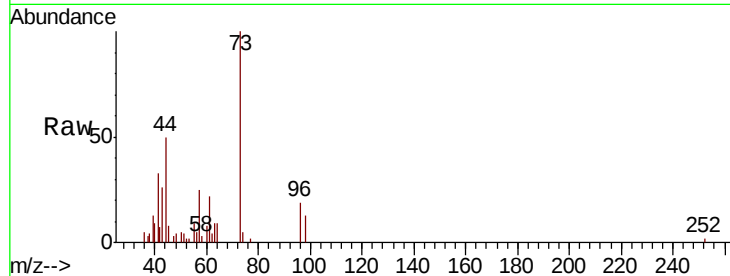


#25

Methvl tert-Butvl Ether
 Concen: 0.340 ug/l
 RT: 3.39 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

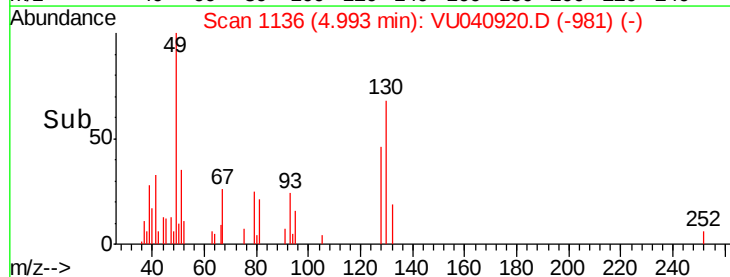
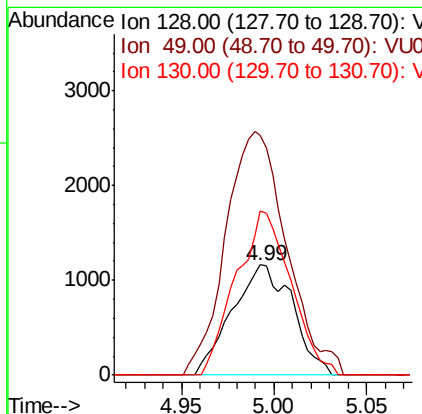
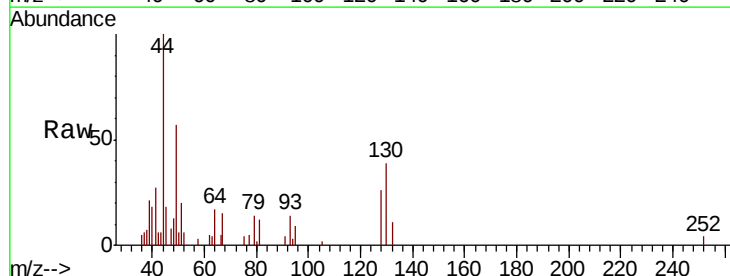
Tot Ion: 73 Resp: 15123
 Ion Ratio Lower Upper
 73 100
 43 12.9 19.0 28.6#

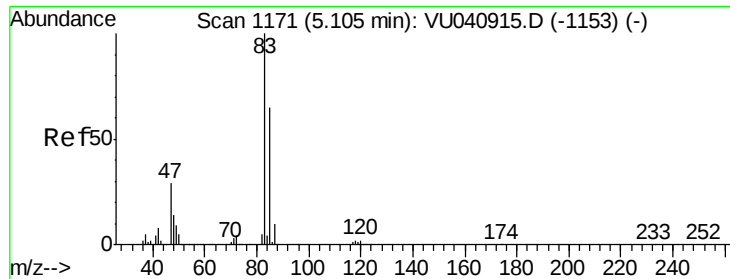


#26

Bromochloromethane
 Concen: 0.349 ug/l
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Tgt Ion: 128 Resp: 2632
 Ion Ratio Lower Upper
 128 100
 49 222.7 0.0 426.4
 130 135.4 106.2 159.4

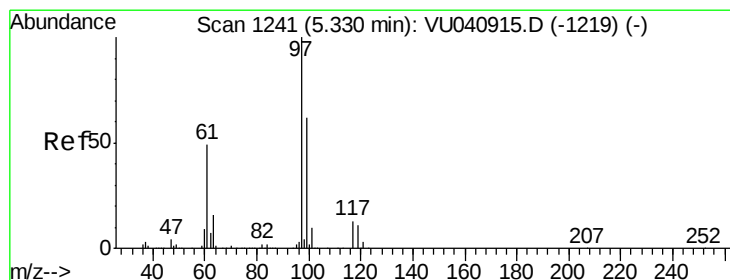
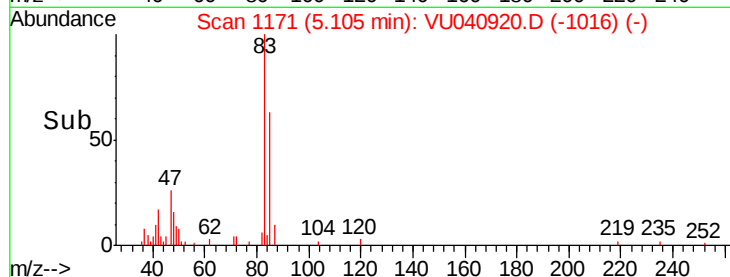
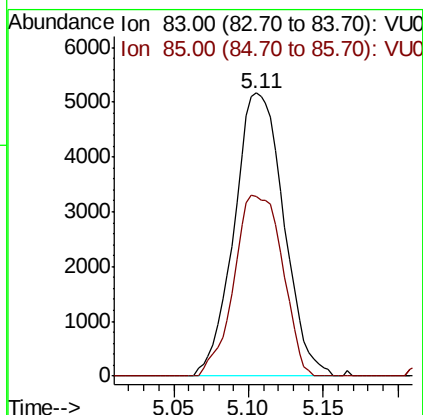
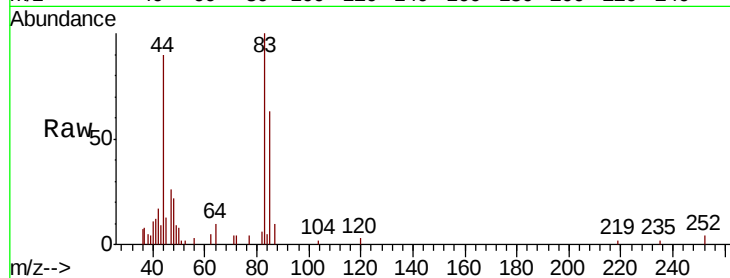




#27
Chloroform
Concen: 0.375 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

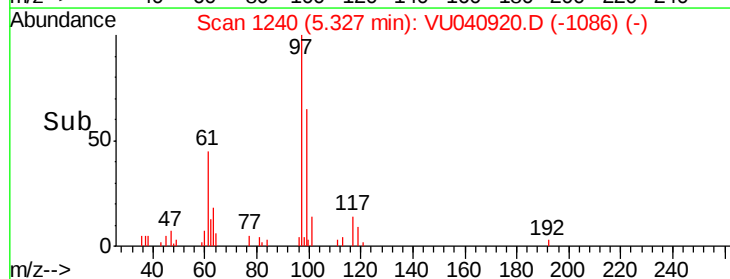
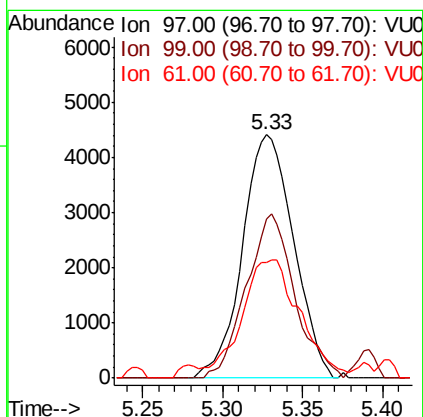
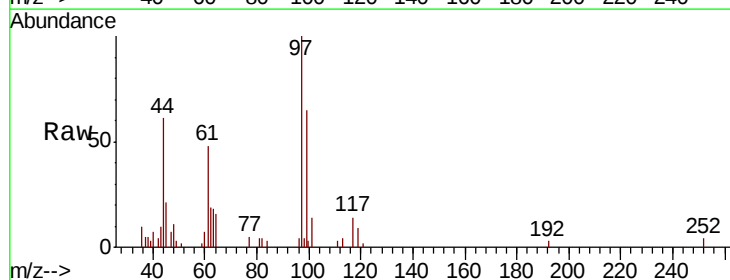
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

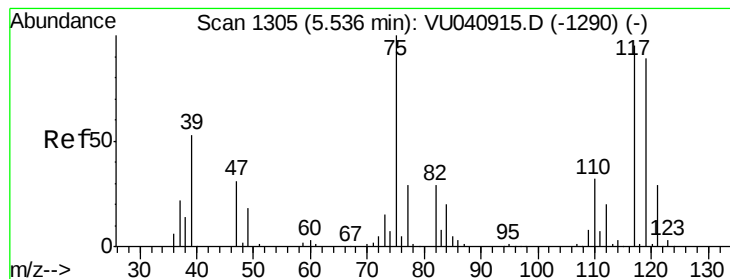
Tot Ion: 83 Resp: 11899
Ion Ratio Lower Upper
83 100
85 63.4 0.0 129.0



#28
1,1,1-Trichloroethane
Concen: 0.353 ug/l
RT: 5.33 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion: 97 Resp: 9678
Ion Ratio Lower Upper
97 100
99 64.3 31.4 94.3
61 55.3 24.7 74.1





#29

1,1-Dichloropropene

Concen: 0.318 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

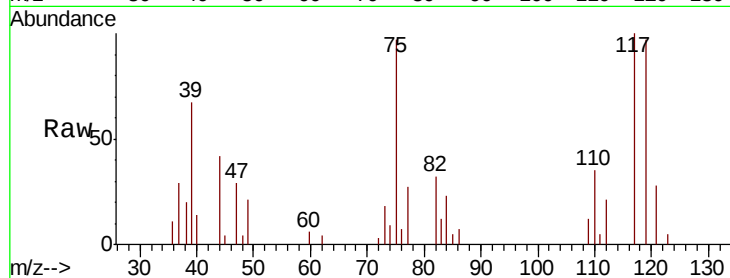
Tot Ion: 75 Resp: 7633

Ion Ratio Lower Upper

75 100

110 33.7 15.9 47.6

77 32.8 24.2 36.2

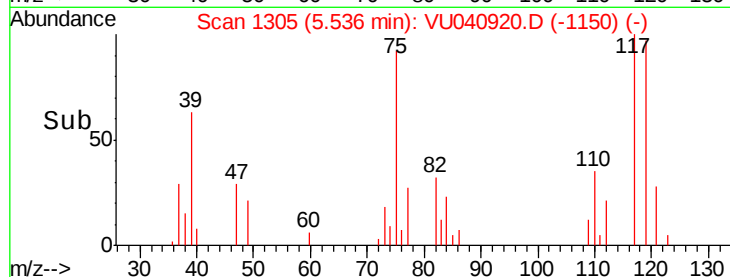


Abundance Ion 75.00 (74.70 to 75.70): VU040915.D (-1290) (-)

Ion 110.00 (109.70 to 110.70): VU040915.D (-1290) (-)

Ion 77.00 (76.70 to 77.70): VU040915.D (-1290) (-)

Time-->



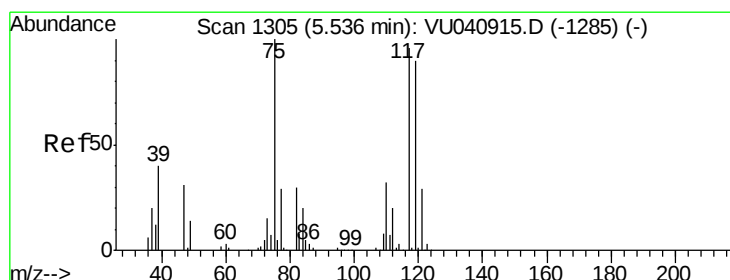
Abundance

Ion 75.00 (74.70 to 75.70): VU040920.D (-1150) (-)

Ion 110.00 (109.70 to 110.70): VU040920.D (-1150) (-)

Ion 77.00 (76.70 to 77.70): VU040920.D (-1150) (-)

Time-->



#30

Carbon Tetrachloride

Concen: 0.326 ug/l

RT: 5.53 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

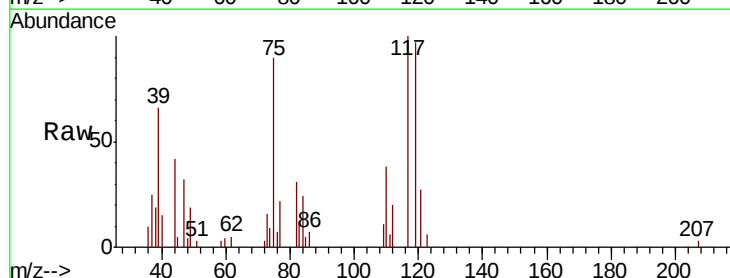
Tgt Ion: 117 Resp: 8090

Ion Ratio Lower Upper

117 100

119 97.1 74.9 112.3

121 26.6 24.1 36.1

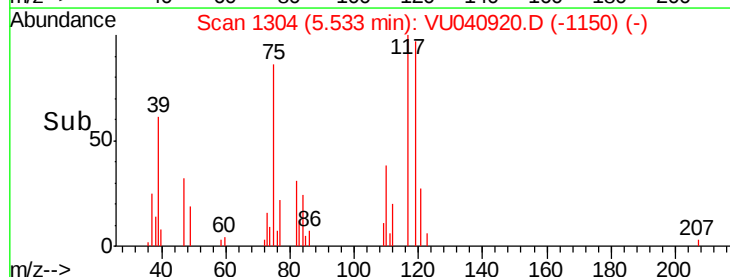


Abundance Ion 117.00 (116.70 to 117.70): VU040915.D (-1285) (-)

Ion 119.00 (118.70 to 119.70): VU040915.D (-1285) (-)

Ion 121.00 (120.70 to 121.70): VU040915.D (-1285) (-)

Time-->



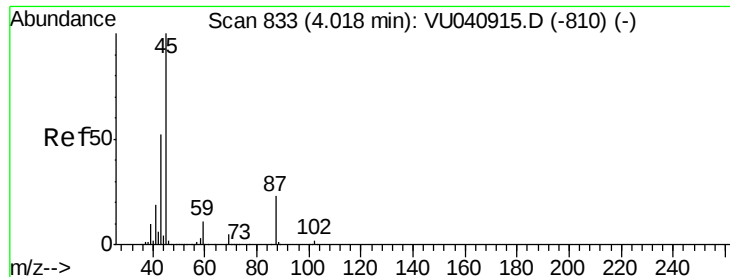
Abundance

Ion 117.00 (116.70 to 117.70): VU040920.D (-1150) (-)

Ion 119.00 (118.70 to 119.70): VU040920.D (-1150) (-)

Ion 121.00 (120.70 to 121.70): VU040920.D (-1150) (-)

Time-->



#31

Isopropyl Ether

Concen: 0.342 ug/l

RT: 4.02 min Scan# 835

Delta R.T. 0.01 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

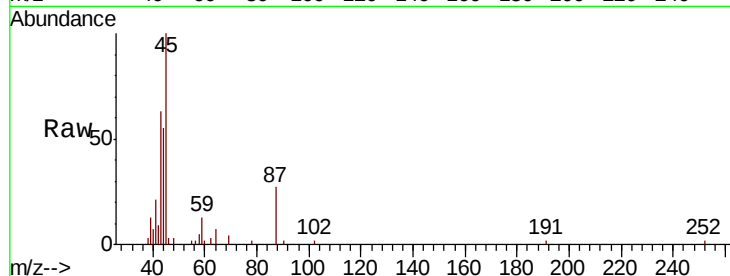
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 45 Resp: 17576

Ion Ratio Lower Upper

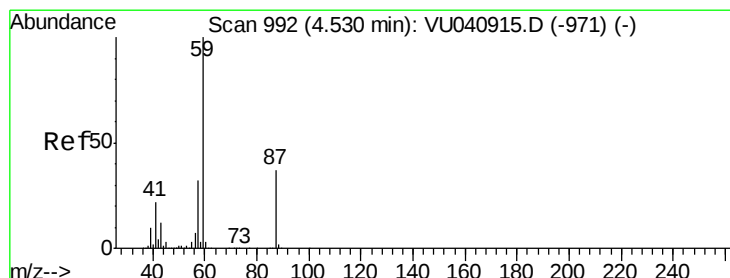
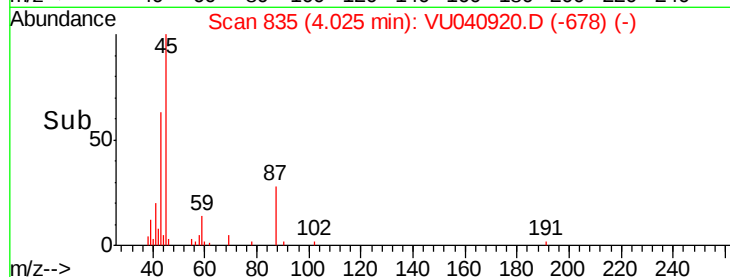
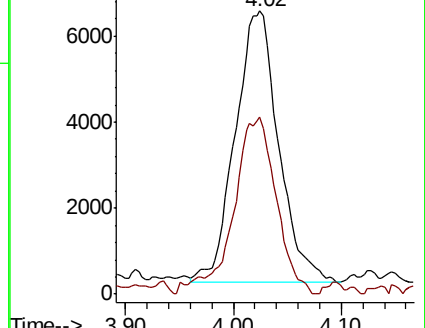
45 100

43 64.4 26.8 80.3



Abundance Ion 45.00 (44.70 to 45.70): VU040920.D (-835) (-)

Ion 43.00 (42.70 to 43.70): VU040920.D (-835) (-)



#32

Ethyl-t-butyl ether

Concen: 0.343 ug/l

RT: 4.53 min Scan# 991

Delta R.T. -0.00 min

Lab File: VU040920.D

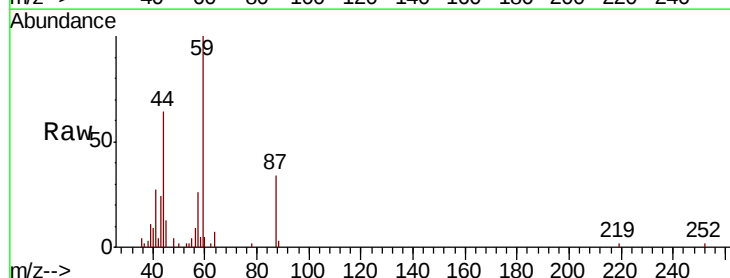
Acq: 22 Oct 2020 23:53

Tgt Ion: 59 Resp: 15541

Ion Ratio Lower Upper

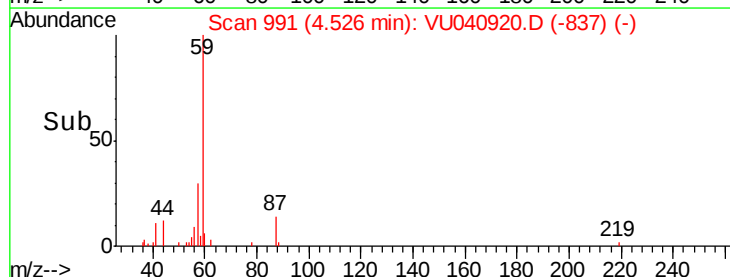
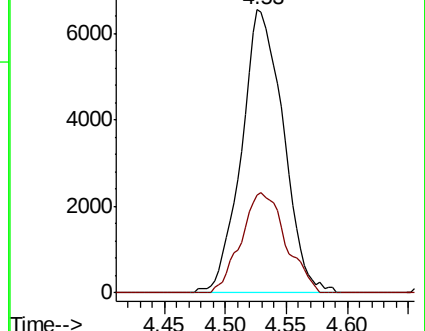
59 100

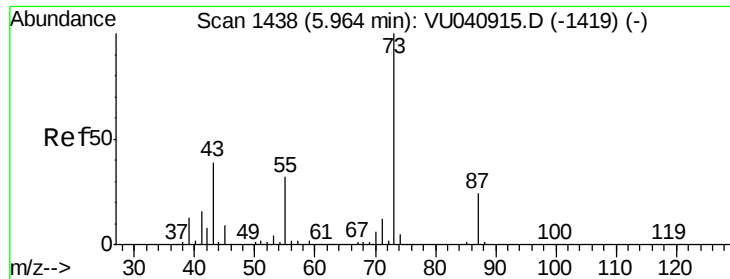
87 37.8 30.6 46.0



Abundance Ion 59.00 (58.70 to 59.70): VU040920.D (-891) (-)

Ion 87.00 (86.70 to 87.70): VU040920.D (-891) (-)

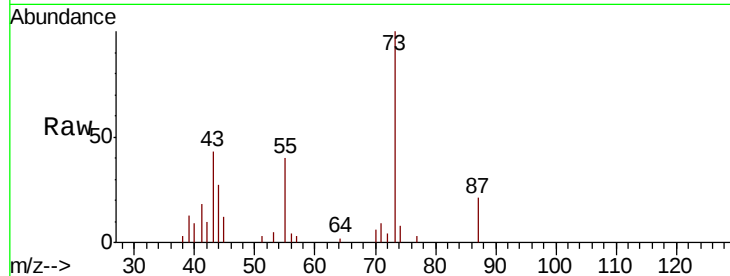




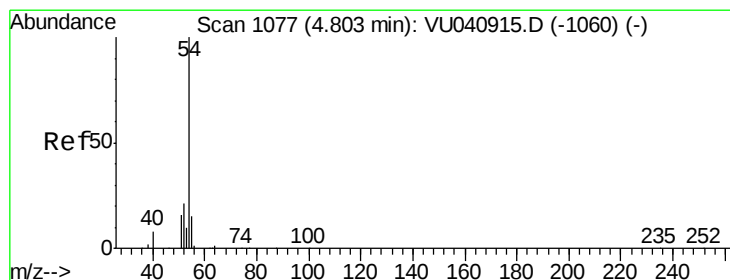
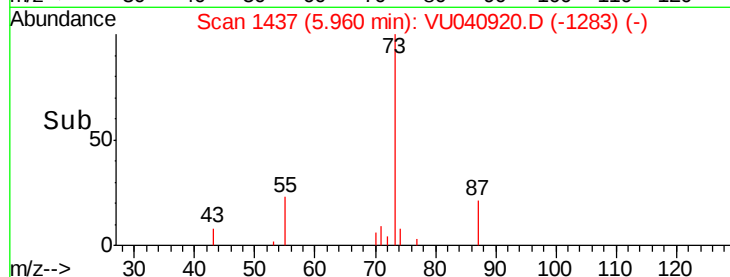
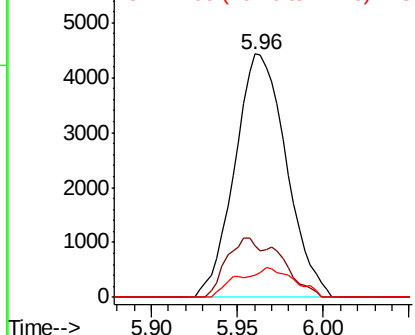
#33
Tert-Butyl methyl ether
Concen: 0.274 ug/l
RT: 5.96 min Scan# 1437
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 73 Resp: 9225
Ion Ratio Lower Upper
73 100
87 26.0 19.0 28.4
71 13.3 9.7 14.5



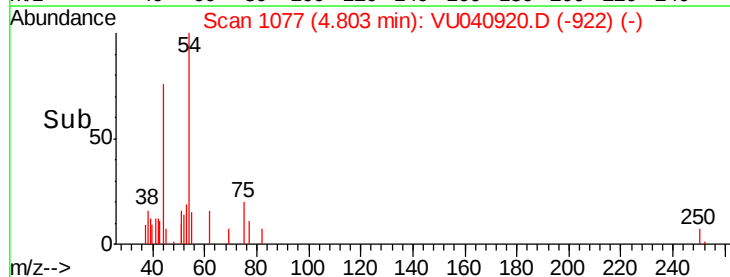
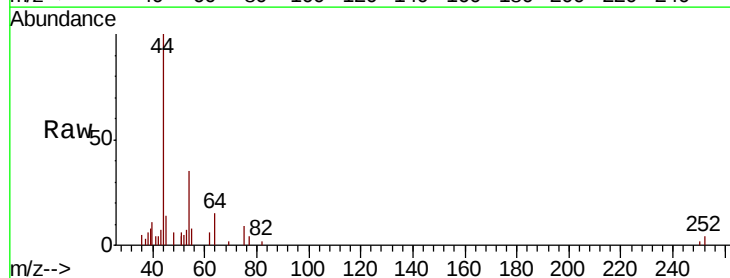
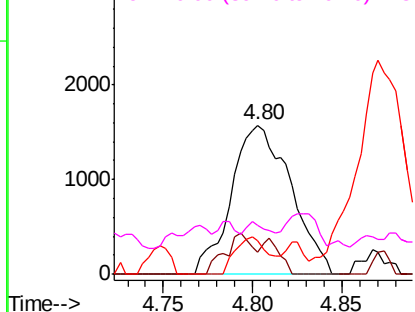
Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

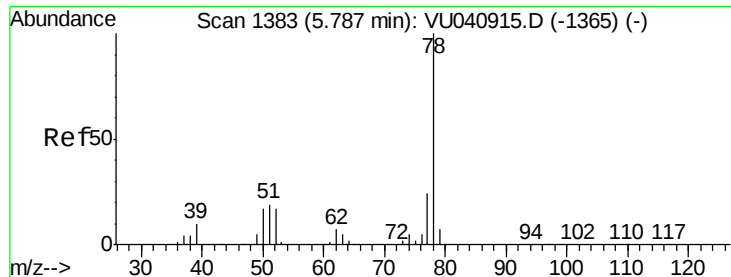


#34
Propionitrile
Concen: 1.940 ug/l
RT: 4.80 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion: 54 Resp: 3650
Ion Ratio Lower Upper
54 100
52 7.0 15.5 23.3#
55 13.1 12.5 18.7
40 3.7 6.0 9.0#

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





#35

Benzene

Concen: 0.325 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

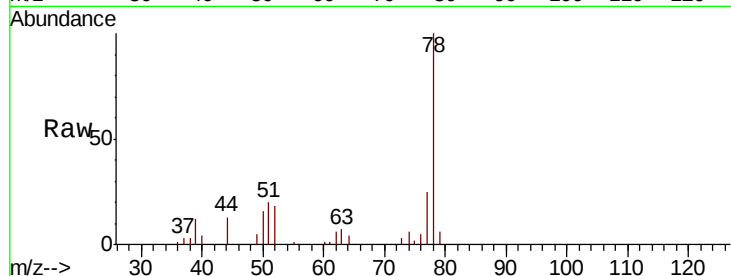
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 78 Resp: 21586

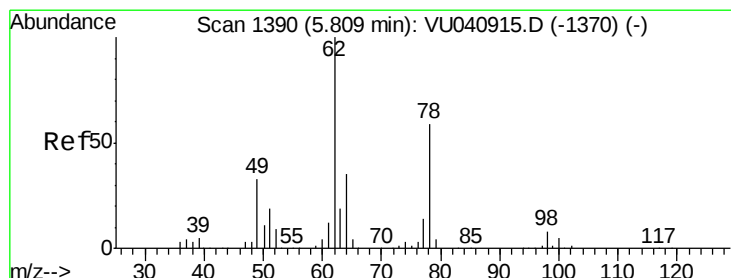
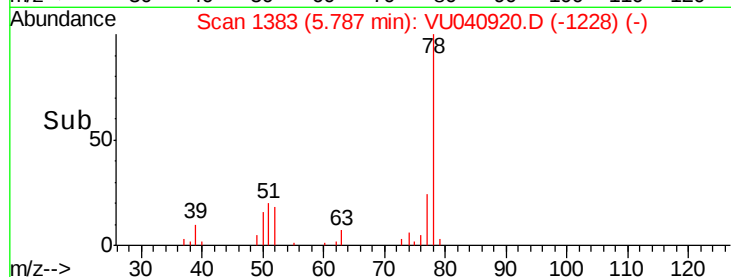
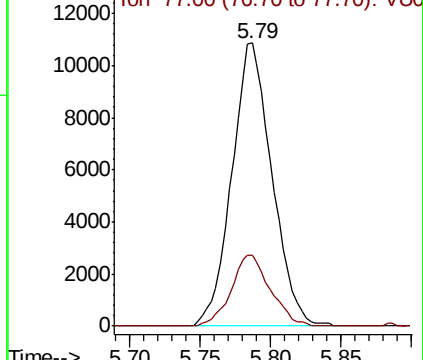
Ion Ratio Lower Upper

78 100

77 25.0 19.4 29.2



Abundance Ion 78.10 (77.80 to 78.80): VU040920.D (-1228) (-)



#36

1,2-Dichloroethane

Concen: 0.338 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040920.D

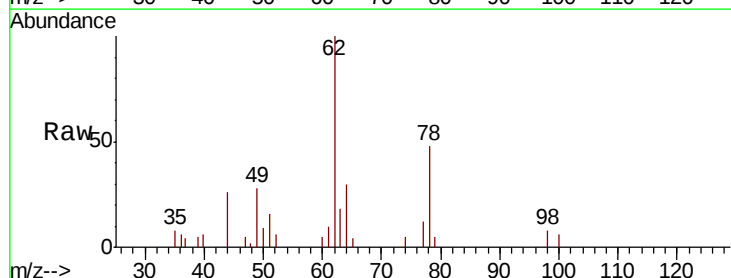
Acq: 22 Oct 2020 23:53

Tgt Ion: 62 Resp: 8334

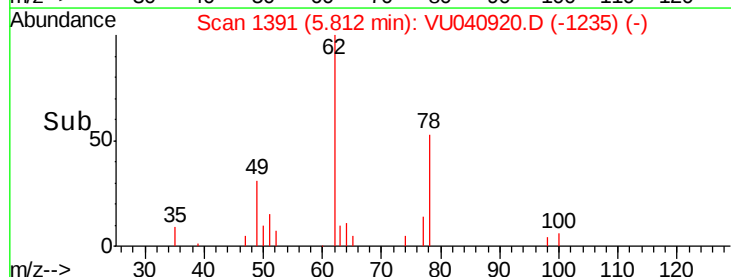
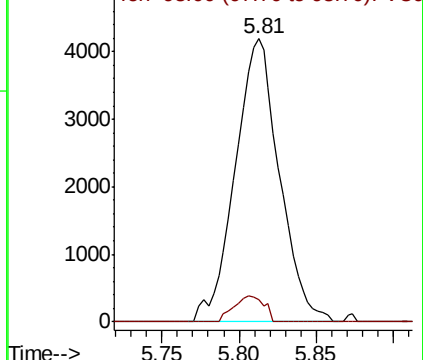
Ion Ratio Lower Upper

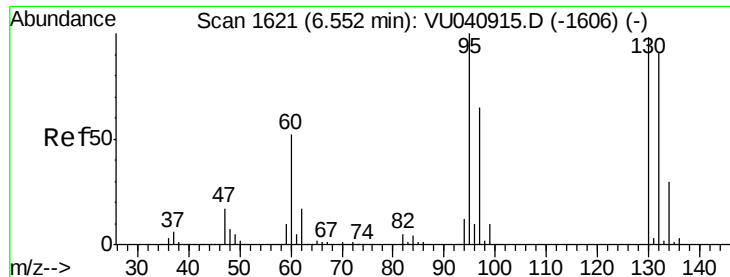
62 100

98 6.3 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VU040920.D (-1235) (-)





#37

Trichloroethene

Concen: 0.354 ug/l

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

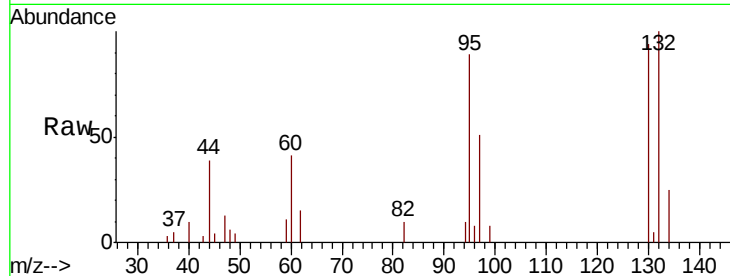
LOD-MDL-WATER-01-QT4-2020

Tot Ion:130 Resp: 5568

Ion Ratio Lower Upper

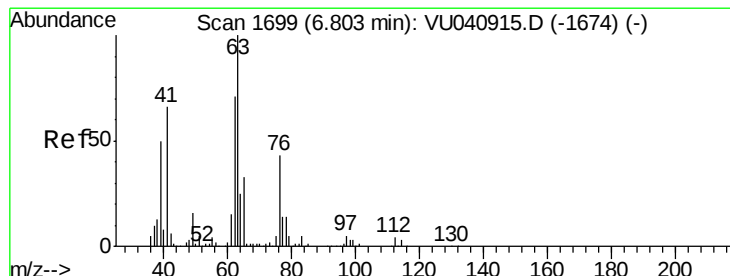
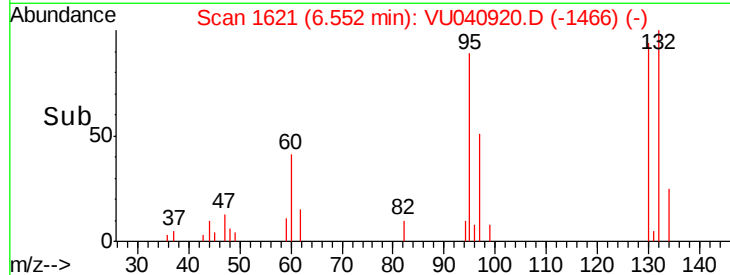
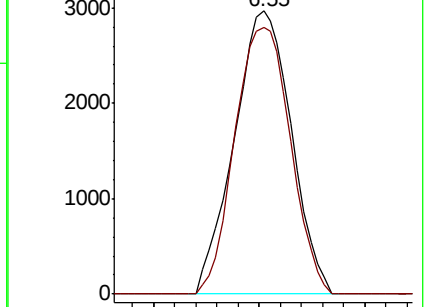
130 100

95 94.1 81.9 122.9



Abundance Ion 129.90 (129.60 to 130.60): VU040920.D (-1466) (-)

Ion 94.90 (94.60 to 95.60): VU040920.D (-1466) (-)



#38

1,2-Dichloropropane

Concen: 0.299 ug/l

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU040920.D

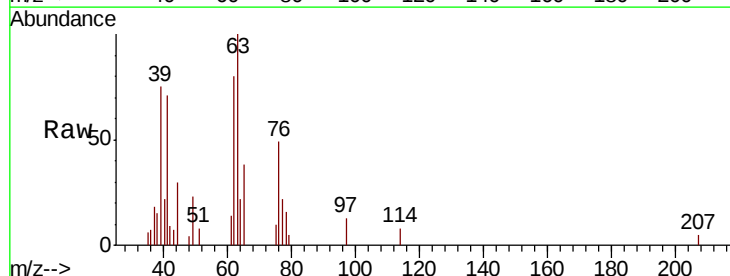
Acq: 22 Oct 2020 23:53

Tgt Ion: 63 Resp: 5640

Ion Ratio Lower Upper

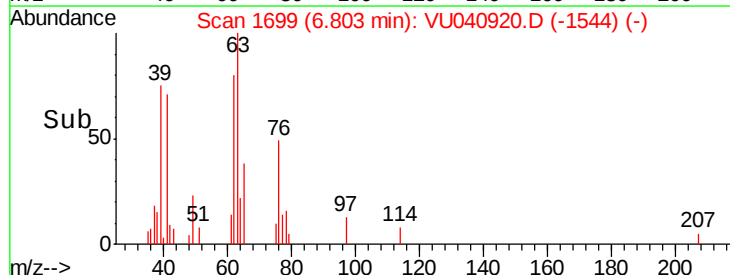
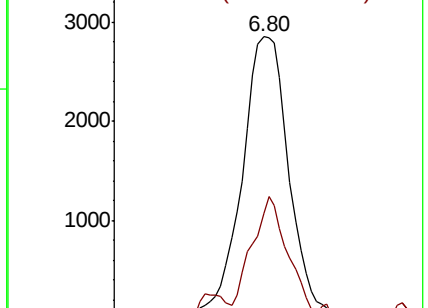
63 100

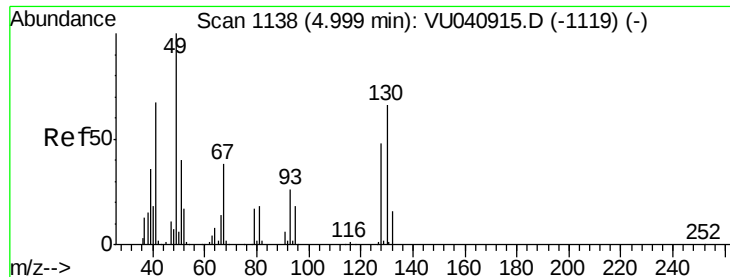
65 37.5 26.2 39.2



Abundance Ion 63.00 (62.70 to 63.70): VU040920.D (-1544) (-)

Ion 65.00 (64.70 to 65.70): VU040920.D (-1544) (-)

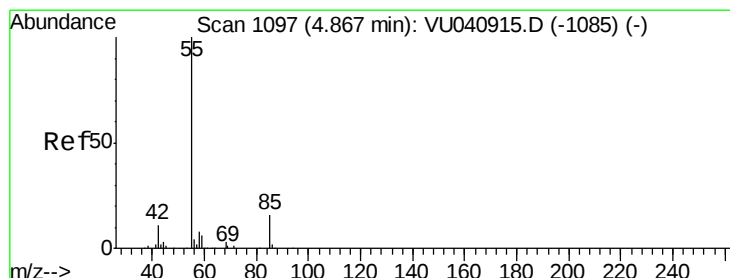
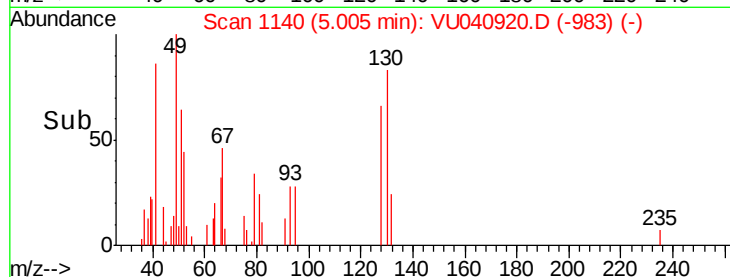
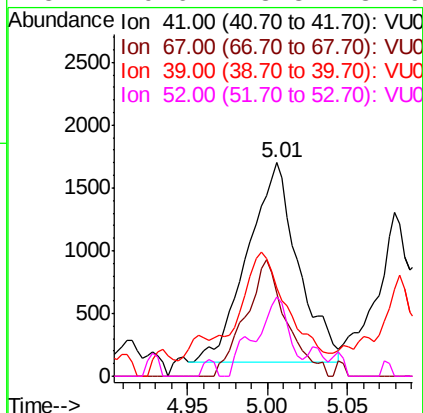
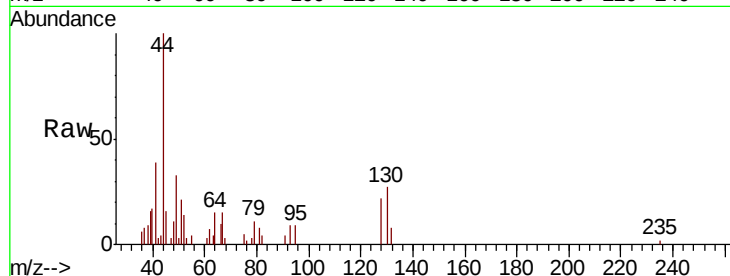




#39
Methacrylonitrile
Concen: 0.392 ug/l
RT: 5.01 min Scan# 1140
Delta R.T. 0.01 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

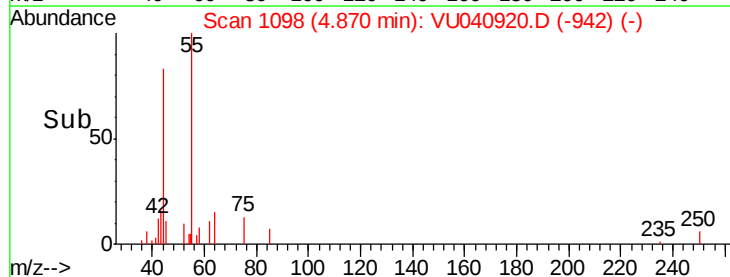
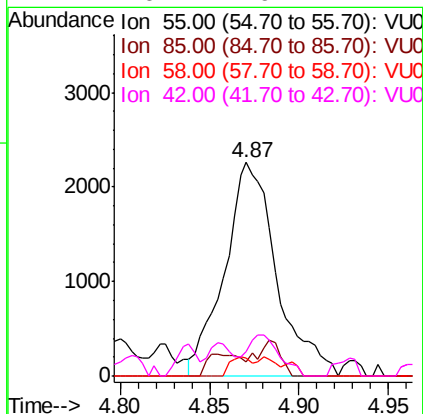
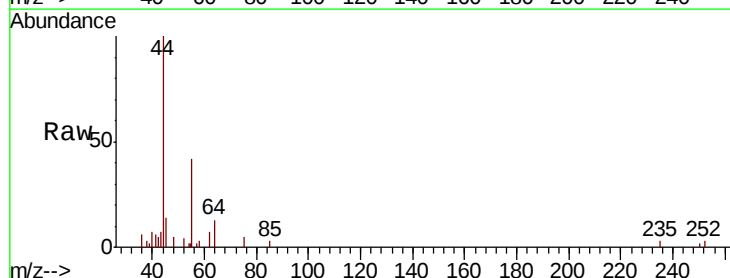
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

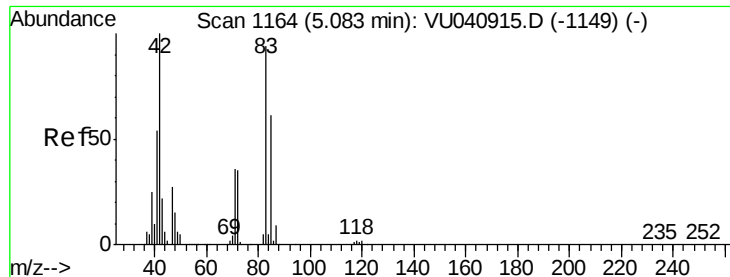
Tot Ion:	41	Resp:	3458
Ion	Ratio	Lower	Upper
41	100		
67	46.8	48.7	73.1#
39	47.5	44.6	67.0
52	19.6	23.3	34.9#



#40
Methyl acrylate
Concen: 0.379 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion:	55	Resp:	4588
Ion	Ratio	Lower	Upper
55	100		
85	6.8	12.2	18.2#
58	3.5	6.8	10.2#
42	6.7	9.4	14.2#





#41

Tetrahydrofuran

Concen: 0.949 ug/l

RT: 5.08 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

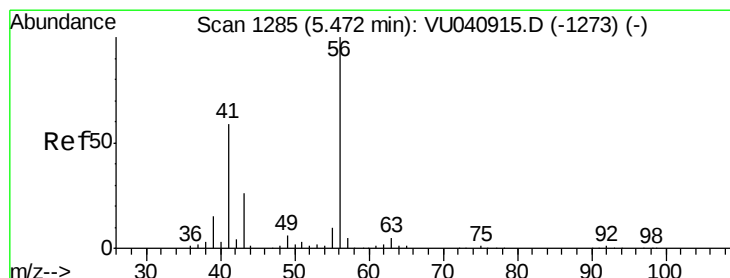
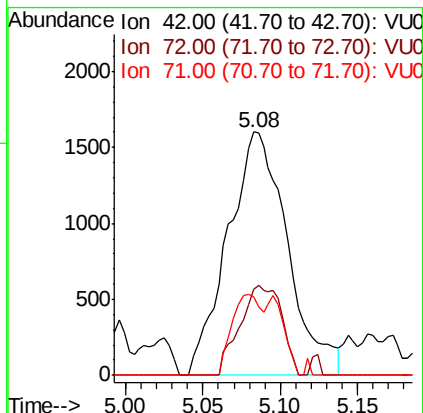
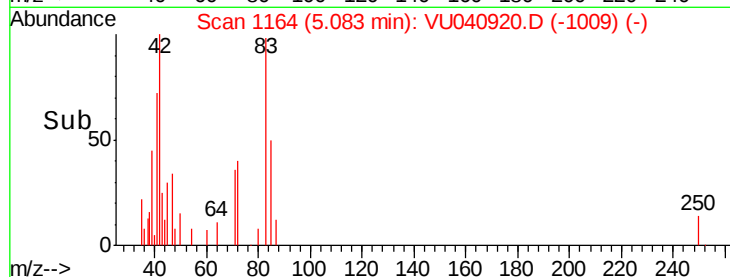
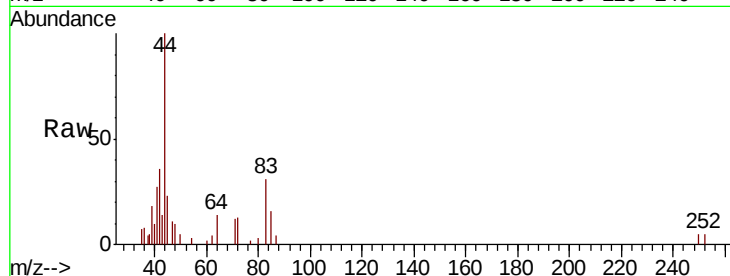
Tot Ion: 42 Resp: 4307

Ion Ratio Lower Upper

42 100

72 25.8 30.1 45.1#

71 16.4 27.9 41.9#



#42

1-Chlorobutane

Concen: 0.353 ug/l

RT: 5.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VU040920.D

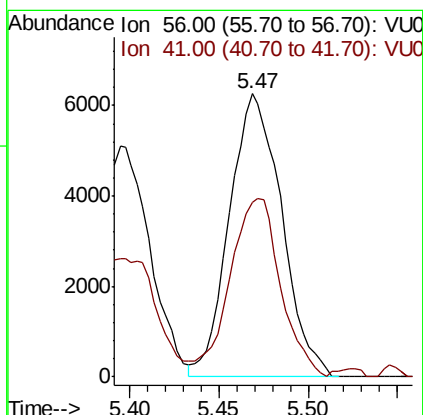
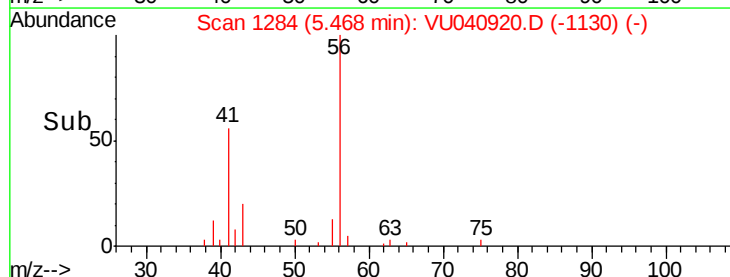
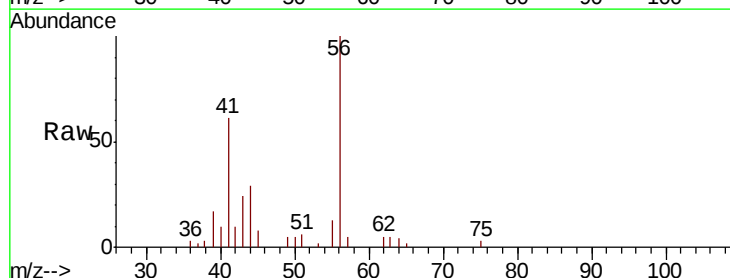
Acq: 22 Oct 2020 23:53

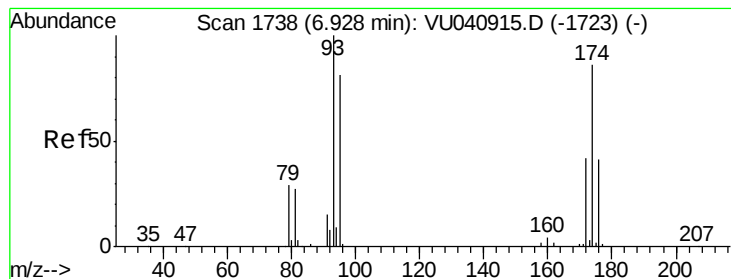
Tgt Ion: 56 Resp: 12792

Ion Ratio Lower Upper

56 100

41 61.3 29.6 88.8





#43

Dibromomethane

Concen: 0.329 ug/l

RT: 6.93 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

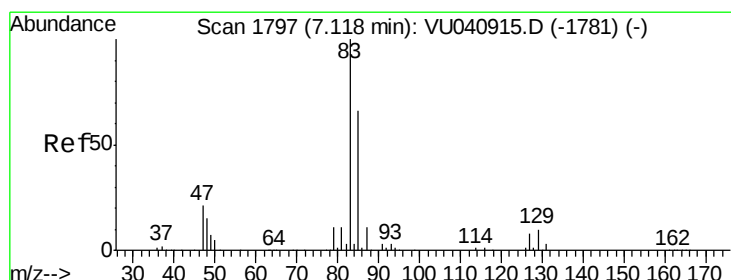
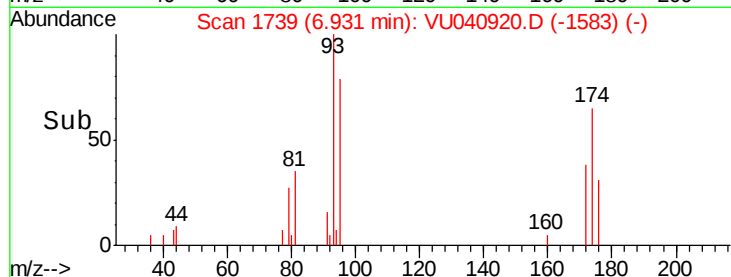
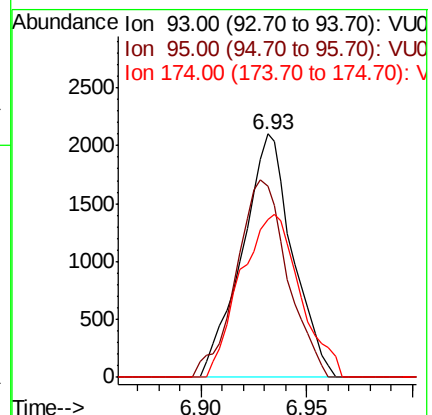
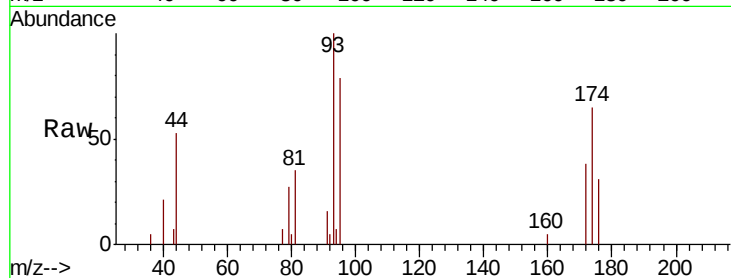
Tot Ion: 93 Resp: 3480

Ion Ratio Lower Upper

93 100

95 82.5 66.3 99.5

174 79.2 70.4 105.6



#44

Bromodichloromethane

Concen: 0.326 ug/l

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

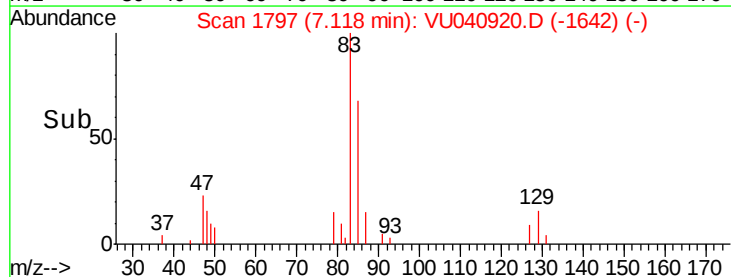
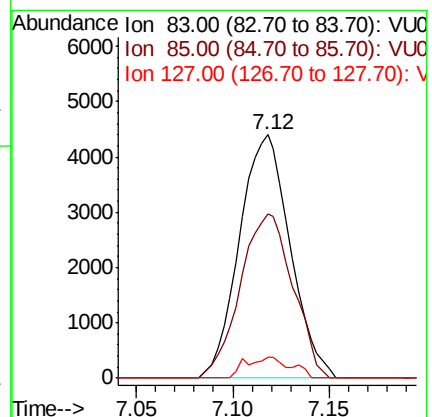
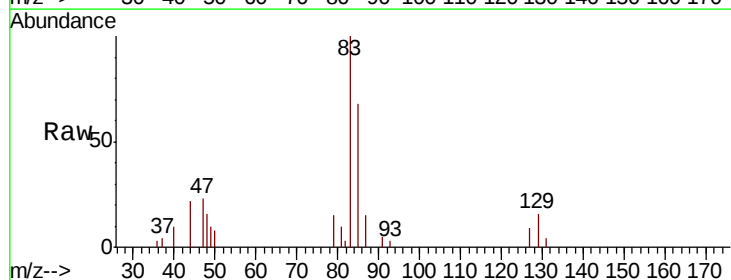
Tgt Ion: 83 Resp: 7999

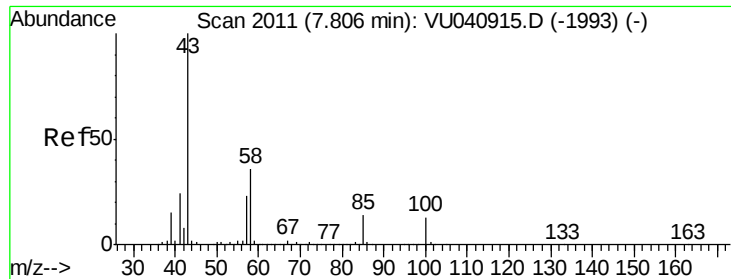
Ion Ratio Lower Upper

83 100

85 67.6 52.6 78.8

127 8.5 6.4 9.6

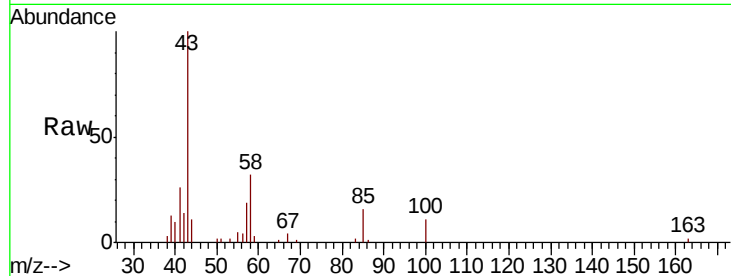




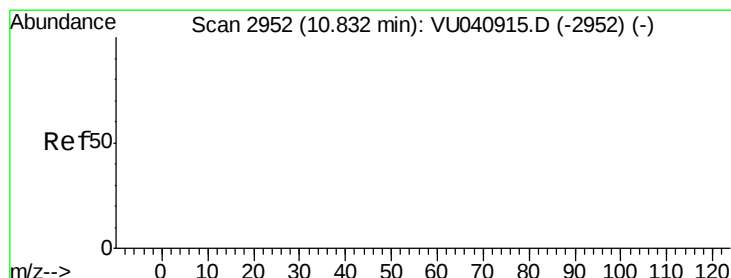
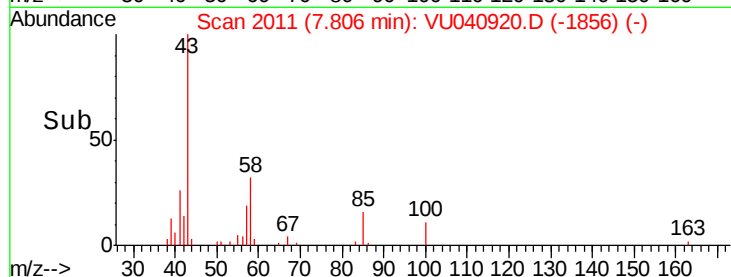
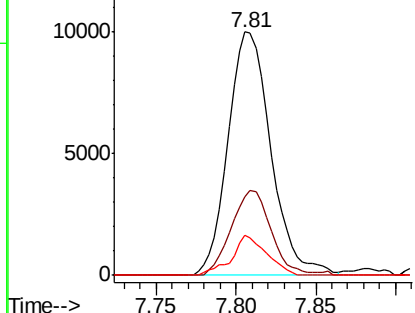
#45
4-Methyl-2-Pentanone
Concen: 1.313 ug/l
RT: 7.81 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 18228
Ion Ratio Lower Upper
43 100
58 32.1 17.8 53.5
85 13.3 11.4 17.2



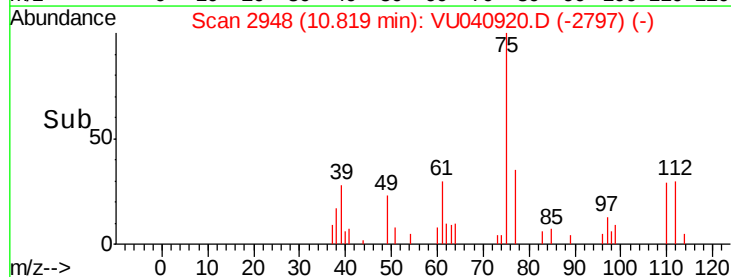
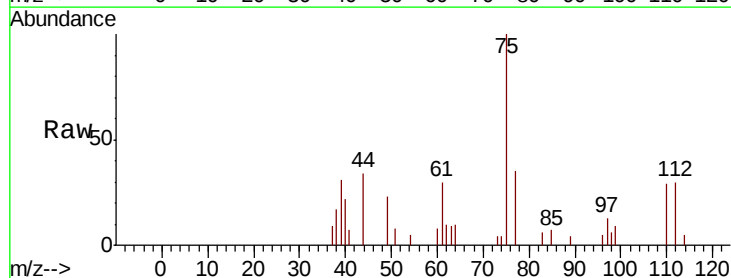
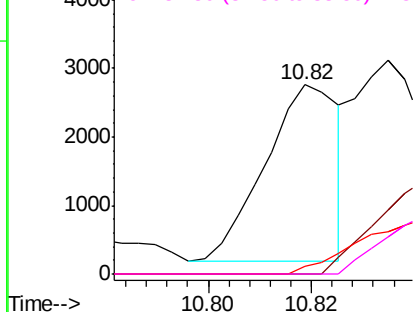
Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

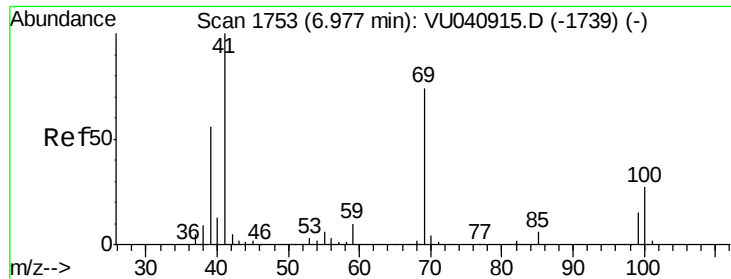


#46
t-1,4-Dichloro-2-butene
Concen: 0.463 ug/l
RT: 10.82 min Scan# 2948
Delta R.T. -0.01 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion: 75 Resp: 2544
Ion Ratio Lower Upper
75 100
53 75.3 73.0 109.4
89 54.3 41.7 62.5
88 49.1 34.4 51.6

Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0

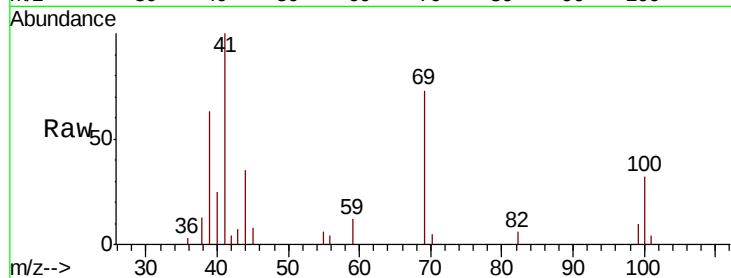




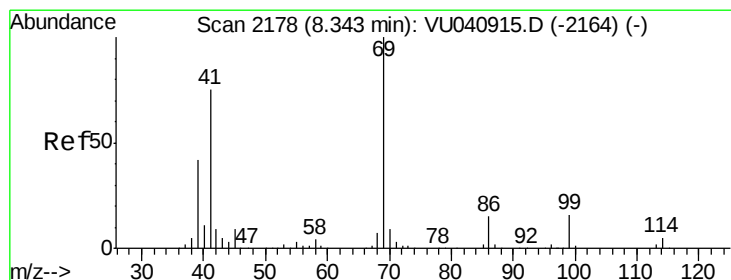
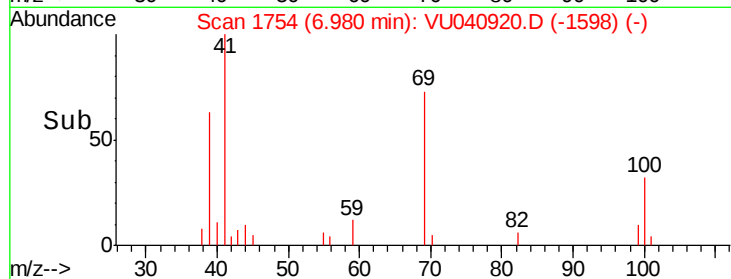
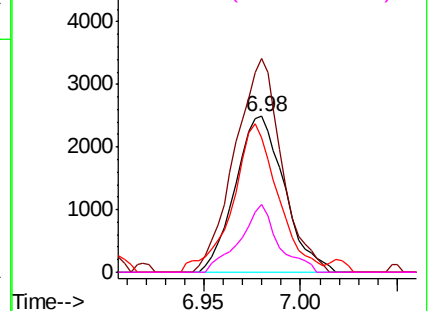
#47
Methyl methacrylate
Concen: 0.497 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 69 Resp: 4388
Ion Ratio Lower Upper
69 100
41 131.5 0.0 270.2
39 87.9 61.6 92.4
100 33.9 29.0 43.6

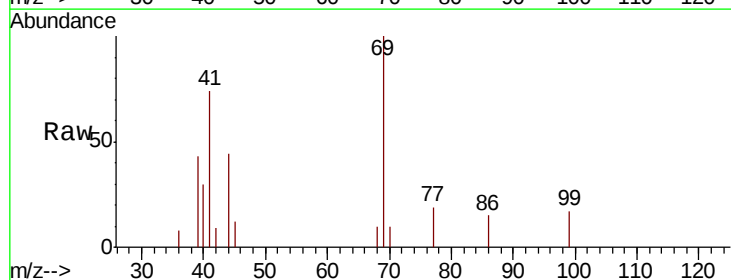


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

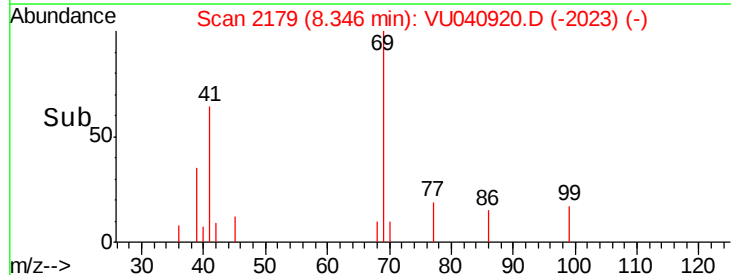
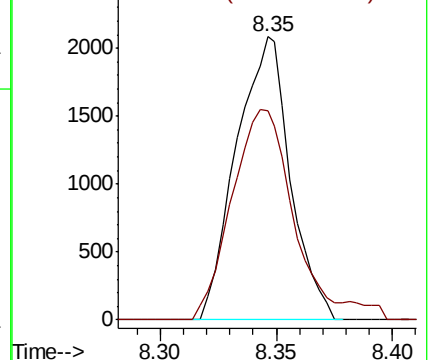


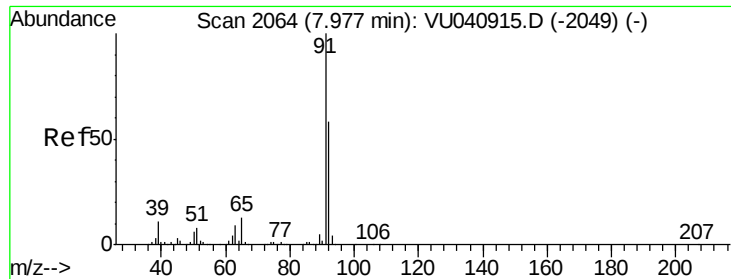
#48
Ethyl methacrylate
Concen: 0.227 ug/l
RT: 8.35 min Scan# 2179
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion: 69 Resp: 3366
Ion Ratio Lower Upper
69 100
41 86.7 37.6 112.9



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 0.248 ug/l

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

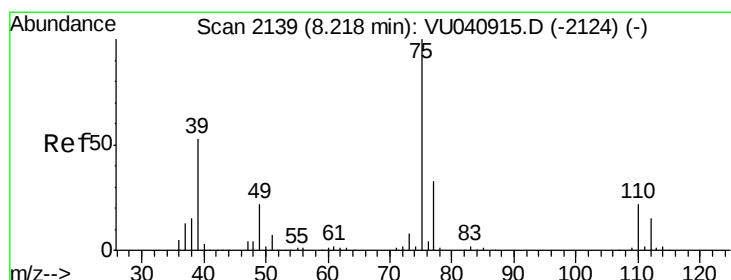
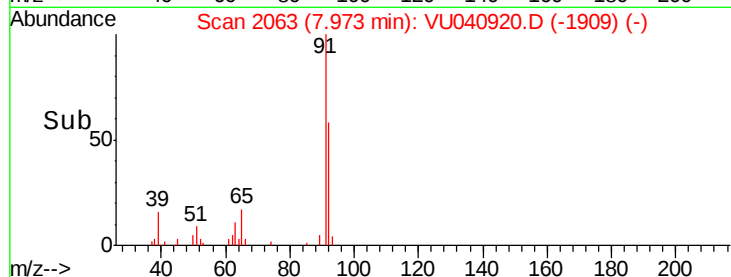
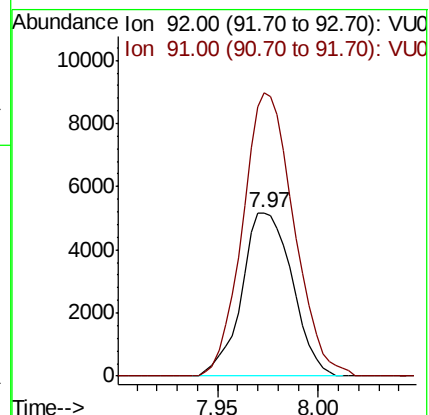
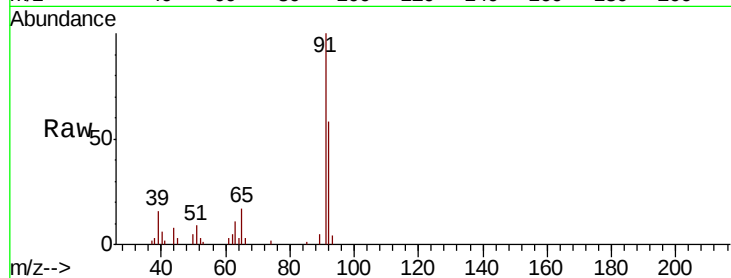
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 92 Resp: 9060

Ion Ratio Lower Upper

92 100

91 175.7 136.8 205.2



#50

t-1,3-Dichloropropene

Concen: 0.290 ug/l

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040920.D

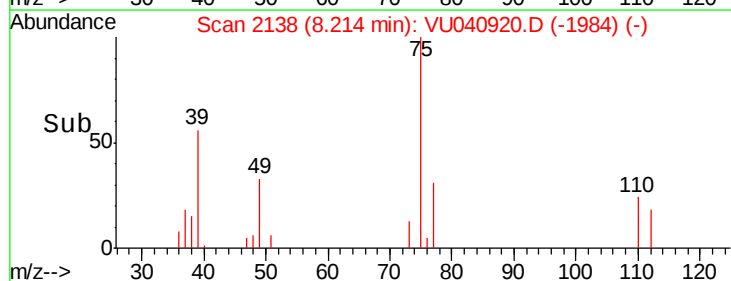
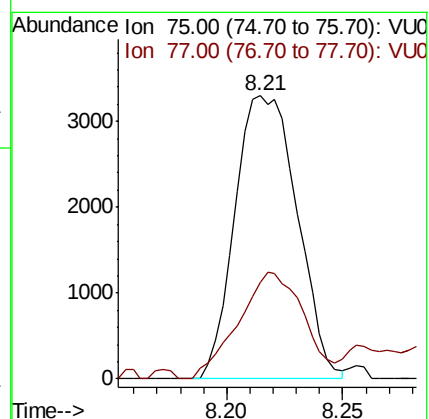
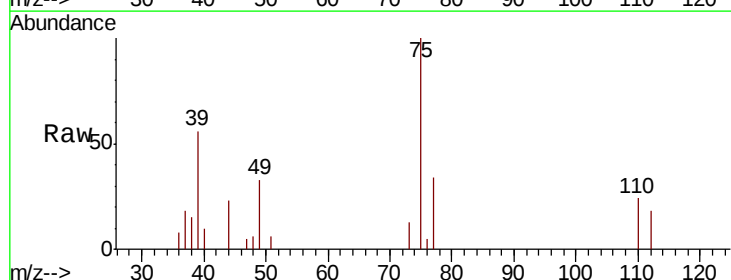
Acq: 22 Oct 2020 23:53

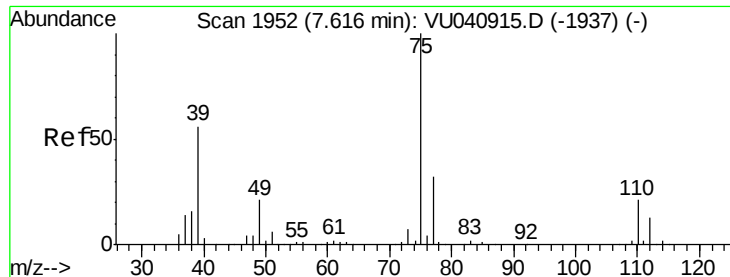
Tgt Ion: 75 Resp: 6144

Ion Ratio Lower Upper

75 100

77 34.2 26.2 39.4



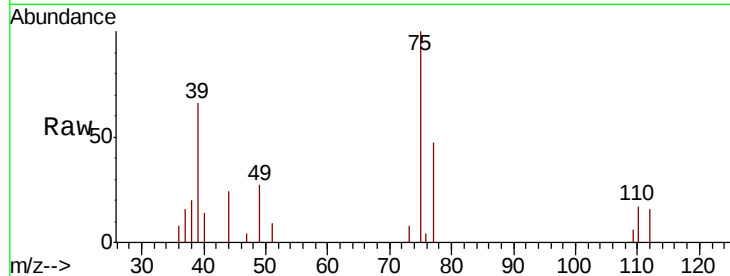


#51

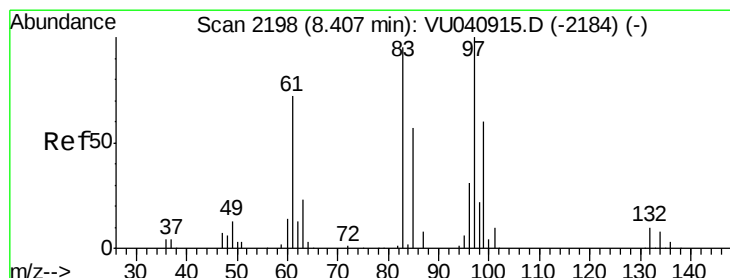
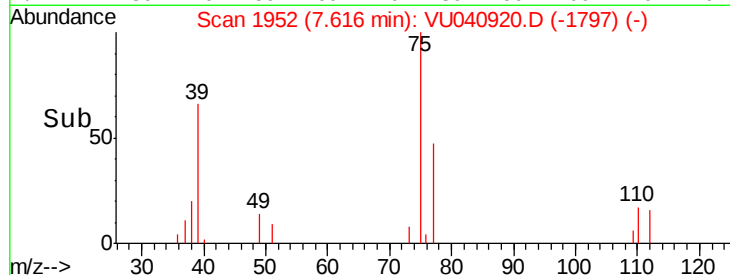
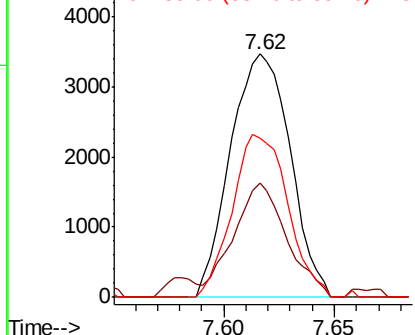
cis-1,3-Dichloropropene
Concen: 0.279 ug/l
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 75 Resp: 6492
Ion Ratio Lower Upper
75 100
77 47.0 25.4 38.0#
39 65.5 44.7 67.1



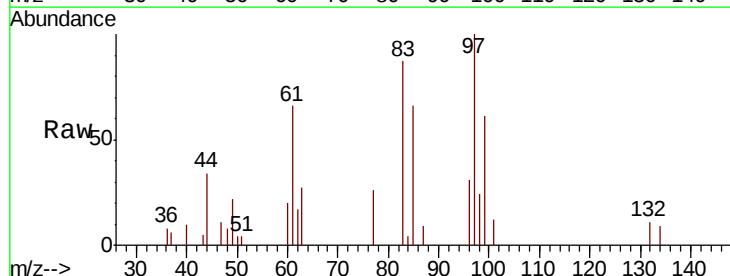
Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 39.00 (38.70 to 39.70): VU0



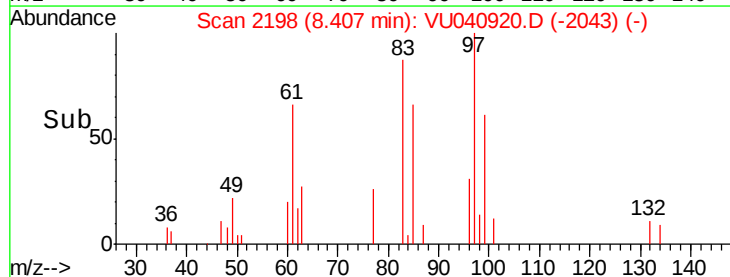
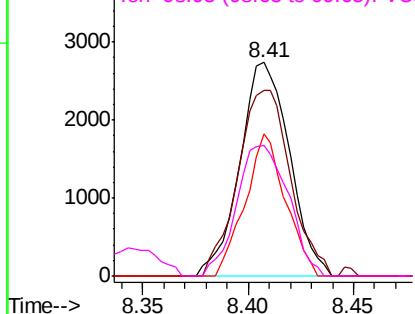
#52

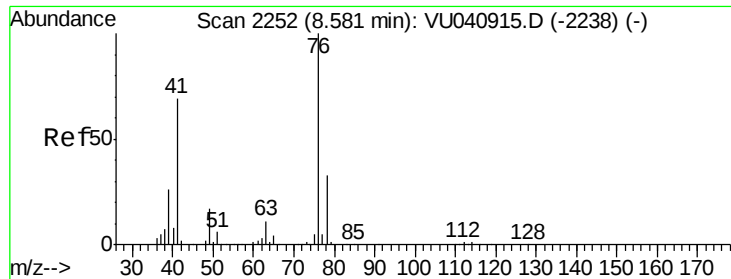
1,1,2-Trichloroethane
Concen: 0.336 ug/l
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion: 97 Resp: 4487
Ion Ratio Lower Upper
97 100
83 87.0 75.9 113.9
85 66.4 46.1 69.1
99 61.0 50.0 75.0



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

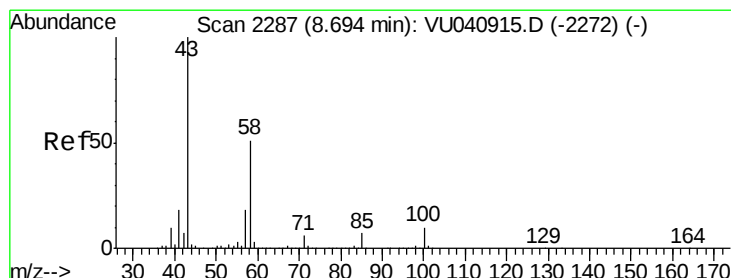
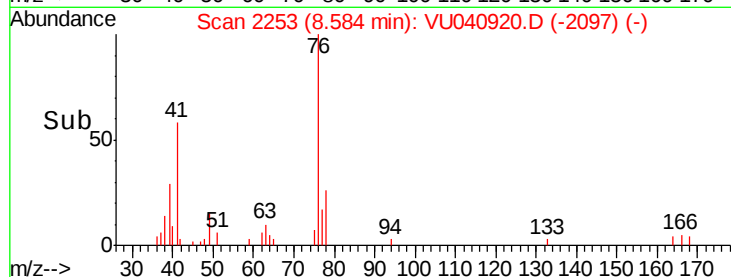
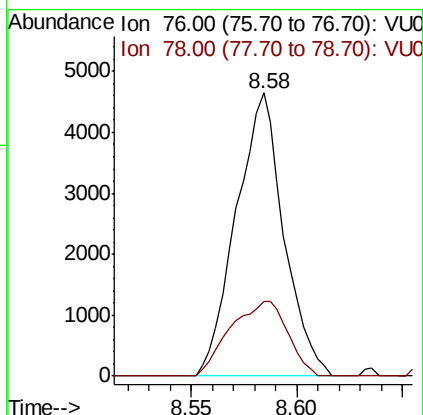
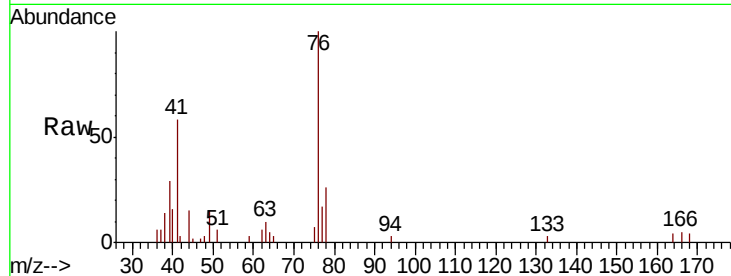




#53
 1,3-Dichloropropane
 Concen: 0.303 ug/l
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

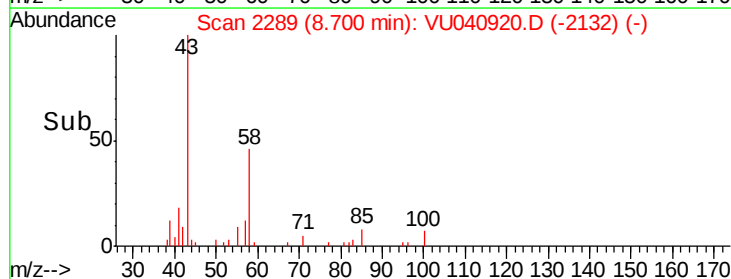
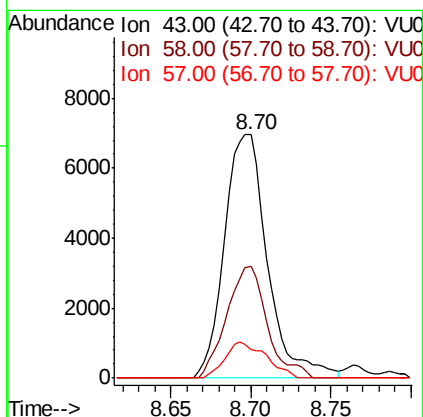
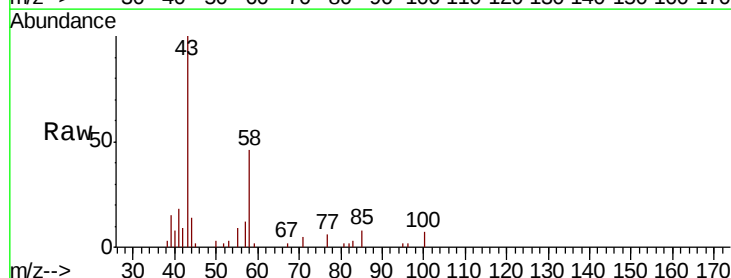
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

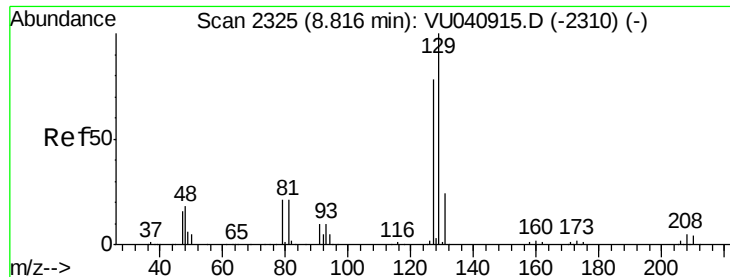
Tot Ion: 76 Resp: 7281
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.6 39.8



#54
 2-Hexanone
 Concen: 1.315 ug/l
 RT: 8.70 min Scan# 2289
 Delta R.T. 0.01 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Tgt Ion: 43 Resp: 12756
 Ion Ratio Lower Upper
 43 100
 58 43.0 30.2 70.2
 57 14.0 0.0 37.4





#55

Dibromochloromethane

Concen: 0.292 ug/l

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

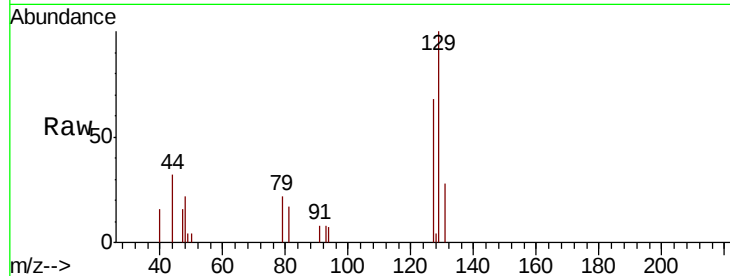
LOD-MDL-WATER-01-QT4-2020

Tot Ion:129 Resp: 4688

Ion Ratio Lower Upper

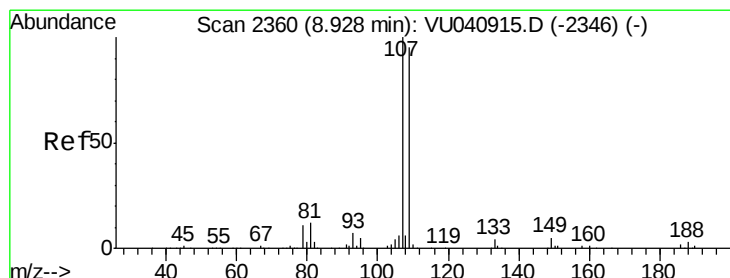
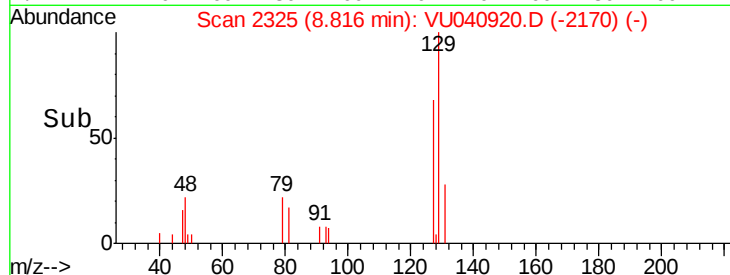
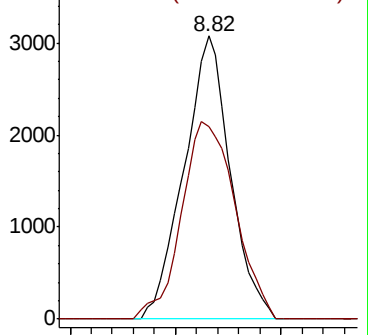
129 100

127 80.9 63.1 94.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.311 ug/l

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU040920.D

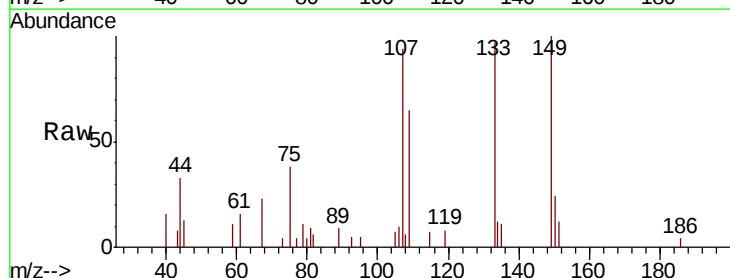
Acq: 22 Oct 2020 23:53

Tgt Ion:107 Resp: 3850

Ion Ratio Lower Upper

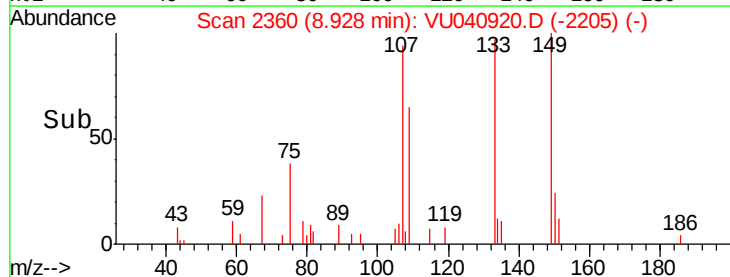
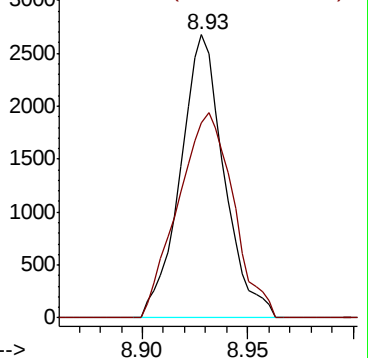
107 100

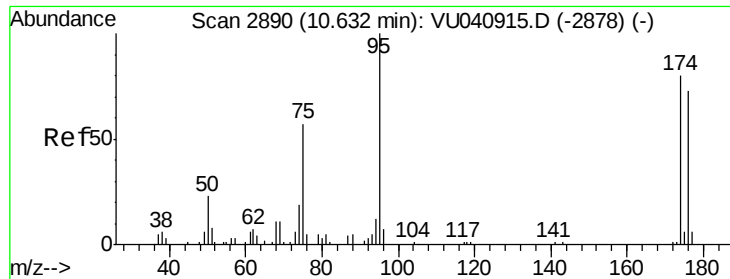
109 91.5 0.0 190.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.730 ug/l

RT: 10.63 min Scan# 2890

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

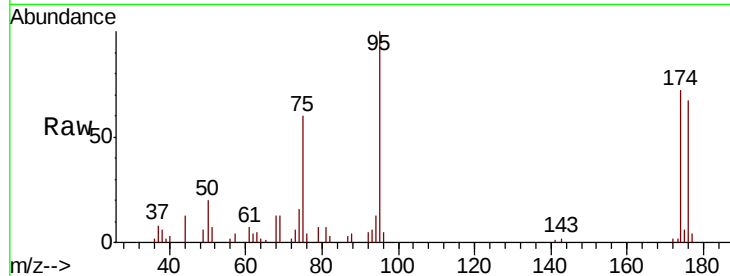
Tot Ion: 95 Resp: 13820

Ion Ratio Lower Upper

95 100

174 69.7 60.3 90.5

176 69.9 55.6 83.4

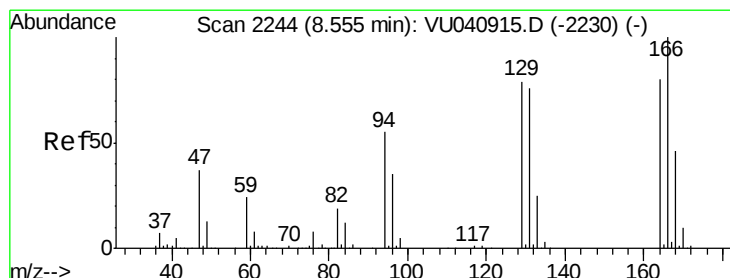
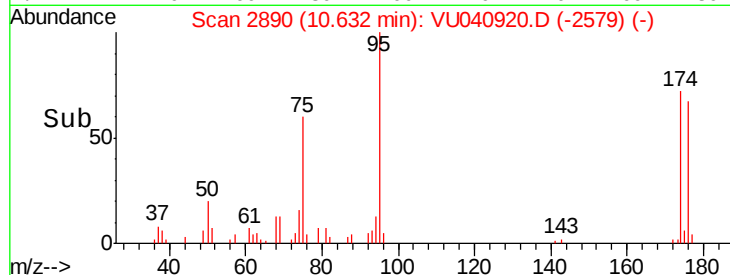
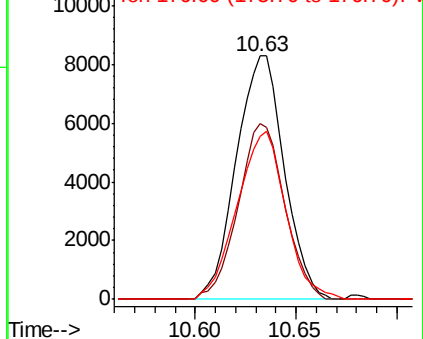


Abundance

Ion 95.00 (94.70 to 95.70): VU040920.D (-2579) (-)

Ion 174.00 (173.70 to 174.70): VU040920.D (-2579) (-)

Ion 176.00 (175.70 to 176.70): VU040920.D (-2579) (-)



#58

Tetrachloroethene

Concen: 0.324 ug/l

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Tgt Ion: 164 Resp: 4763

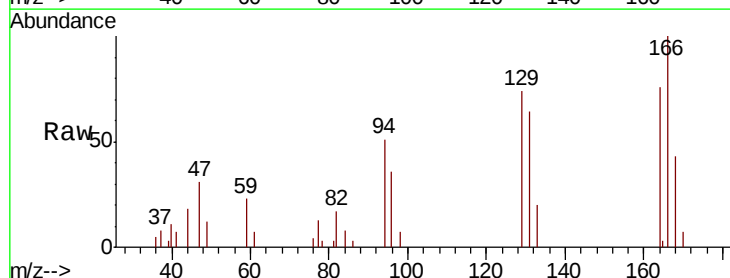
Ion Ratio Lower Upper

164 100

166 132.0 100.3 150.5

129 97.5 79.4 119.0

131 84.8 76.2 114.4



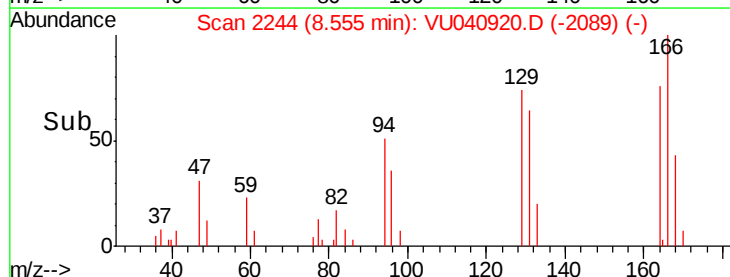
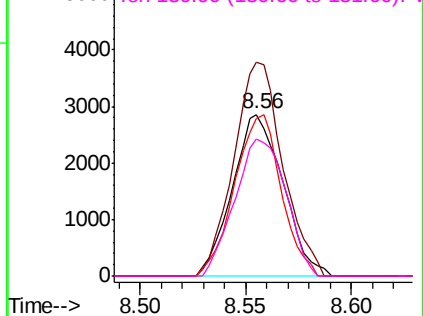
Abundance

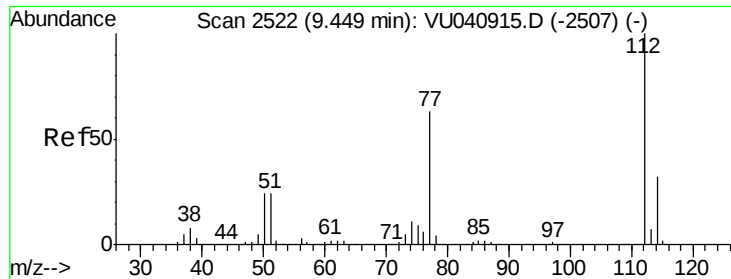
Ion 163.85 (163.55 to 164.55): VU040920.D (-2089) (-)

Ion 165.80 (165.50 to 166.50): VU040920.D (-2089) (-)

Ion 128.90 (128.60 to 129.60): VU040920.D (-2089) (-)

Ion 130.90 (130.60 to 131.60): VU040920.D (-2089) (-)

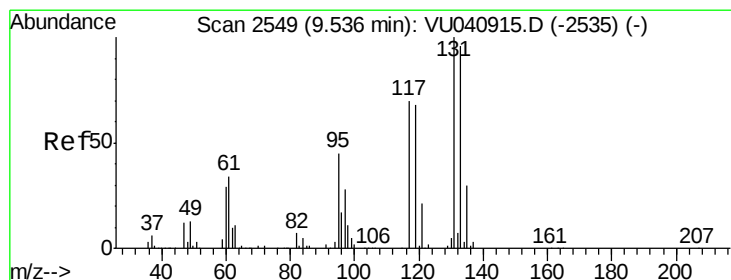
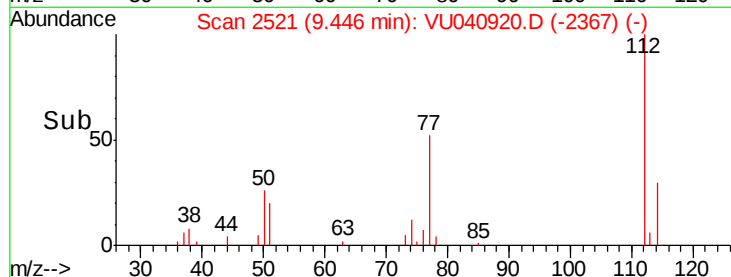
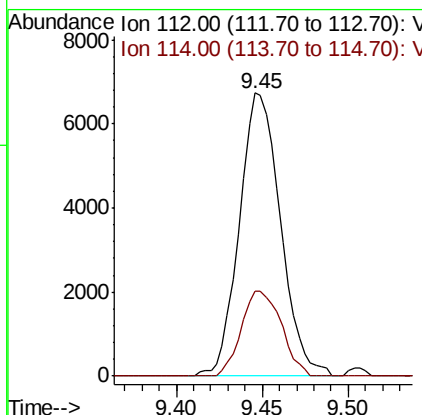
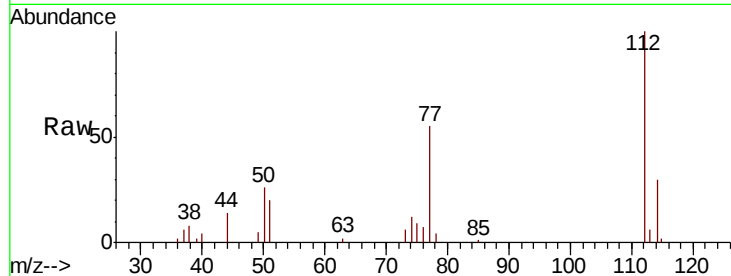




#59
Chlorobenzene
Concen: 0.289 ug/l
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

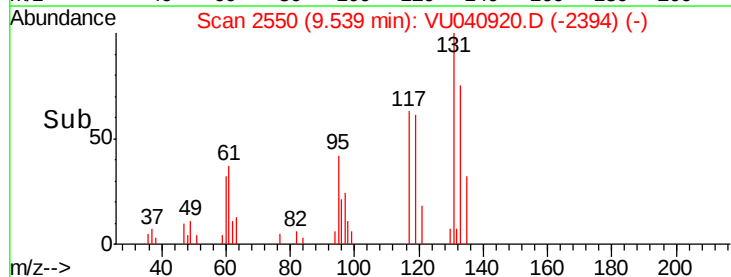
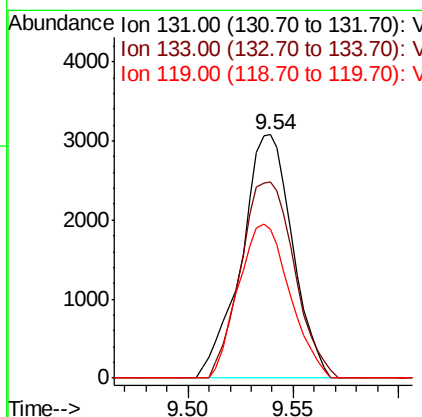
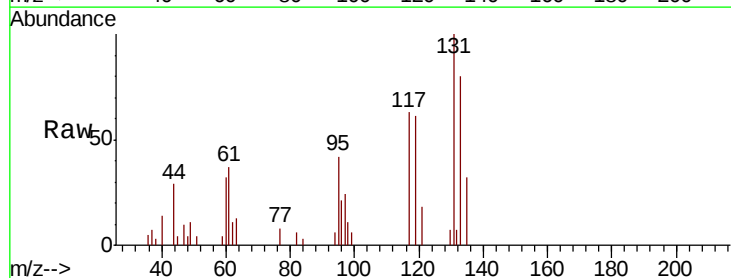
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

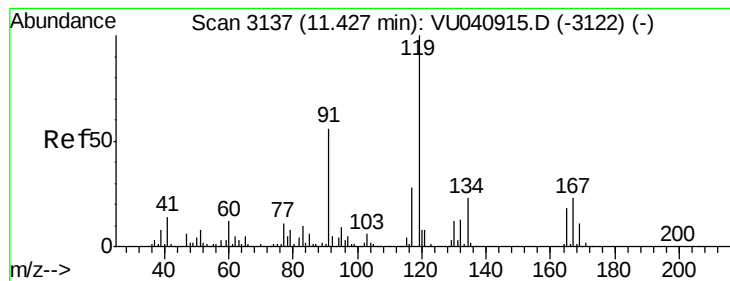
Tot Ion:112 Resp: 11181
Ion Ratio Lower Upper
112 100
114 29.8 25.8 38.8



#60
1,1,1,2-Tetrachloroethane
Concen: 0.340 ug/l
RT: 9.54 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion:131 Resp: 5177
Ion Ratio Lower Upper
131 100
133 85.0 77.4 116.0
119 63.9 53.5 80.3





#61

Pentachloroethane

Concen: 0.319 ug/l

RT: 11.43 min Scan# 3138

Delta R.T. 0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

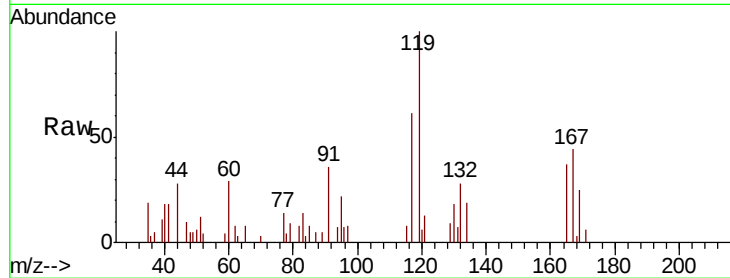
LOD-MDL-WATER-01-QT4-2020

Tot Ion:117 Resp: 3922

Ion Ratio Lower Upper

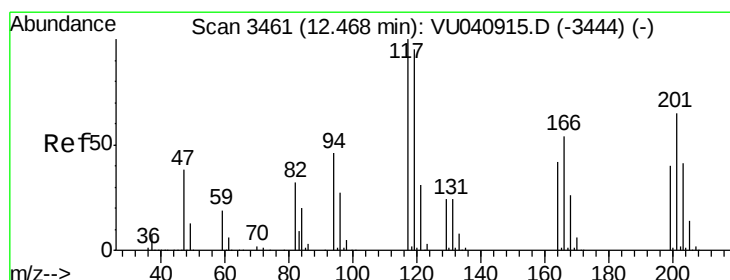
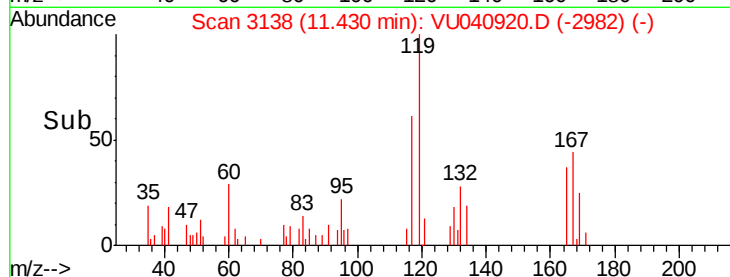
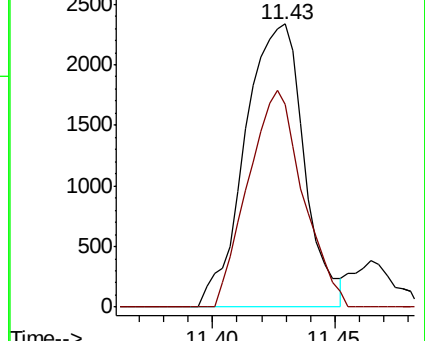
117 100

167 71.1 59.4 89.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.317 ug/l

RT: 12.47 min Scan# 3461

Delta R.T. -0.00 min

Lab File: VU040920.D

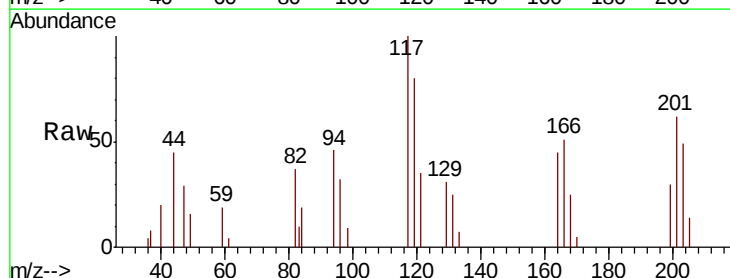
Acq: 22 Oct 2020 23:53

Tgt Ion:117 Resp: 3960

Ion Ratio Lower Upper

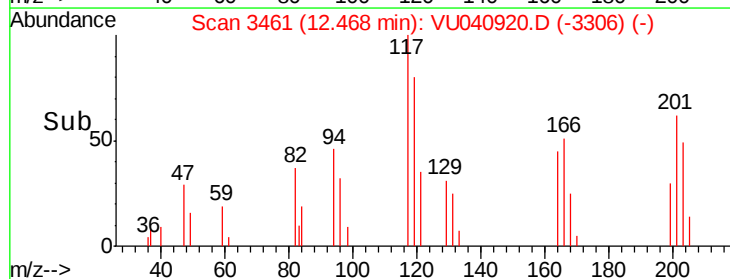
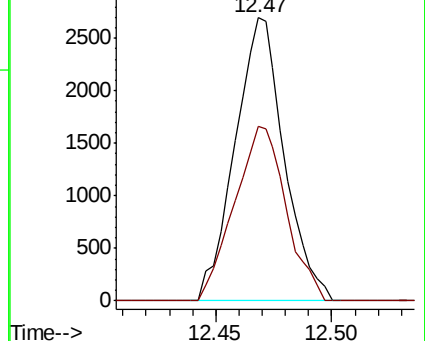
117 100

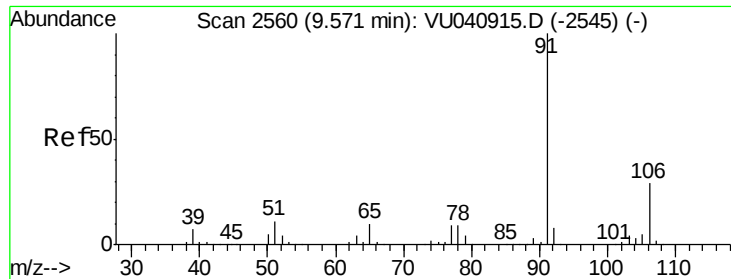
201 64.9 52.6 78.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

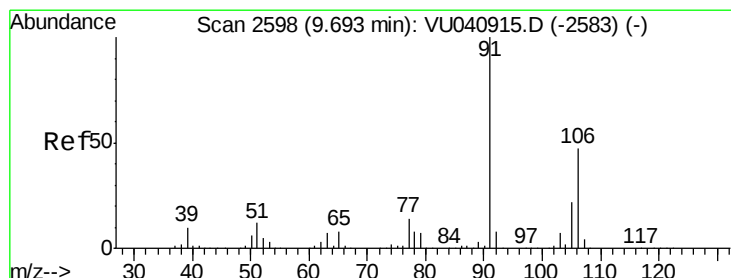
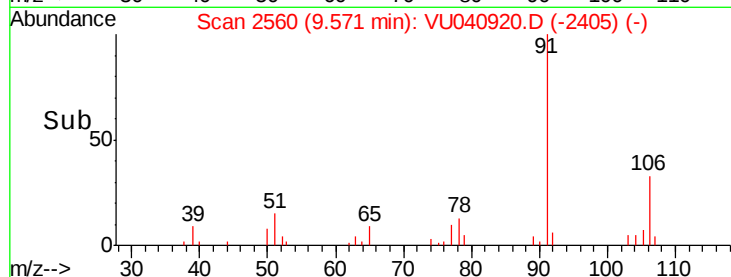
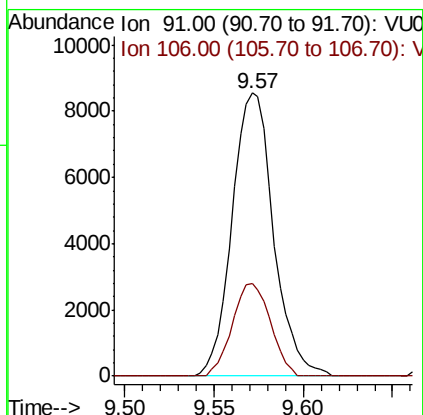
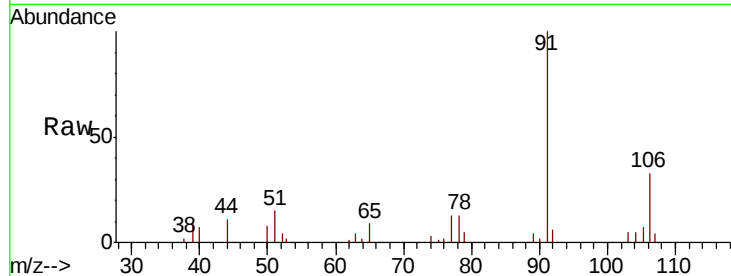




#63
Ethyl Benzene
Concen: 0.216 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

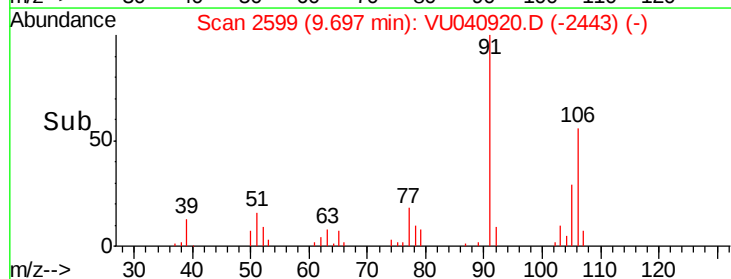
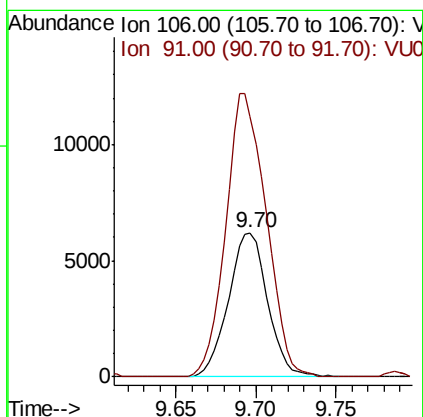
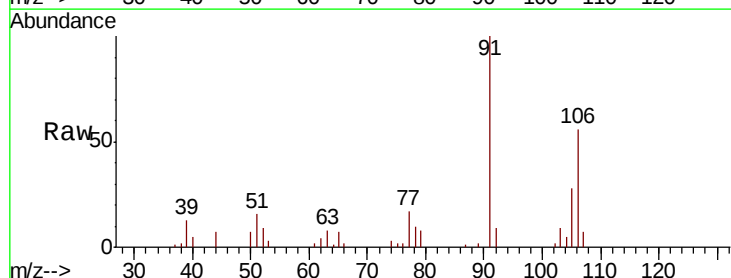
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

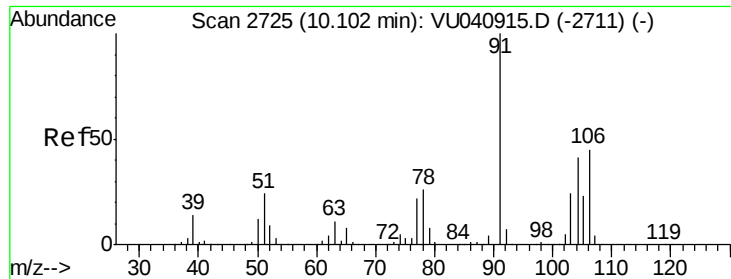
Tot Ion: 91 Resp: 13850
Ion Ratio Lower Upper
91 100
106 32.7 23.5 35.3



#64
m/p-Xylenes
Concen: 0.422 ug/l
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion: 106 Resp: 10313
Ion Ratio Lower Upper
106 100
91 203.3 168.3 252.5





#65

o-Xylene

Concen: 0.213 ug/l

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

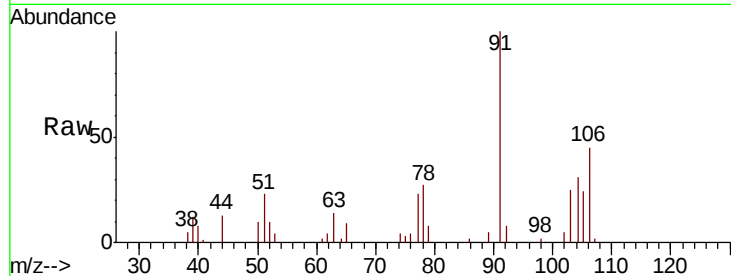
LOD-MDL-WATER-01-QT4-2020

Tot Ion:106 Resp: 4799

Ion Ratio Lower Upper

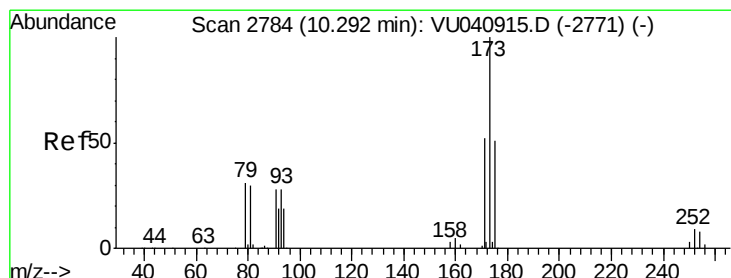
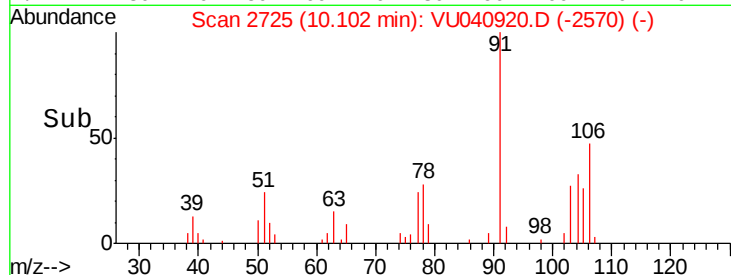
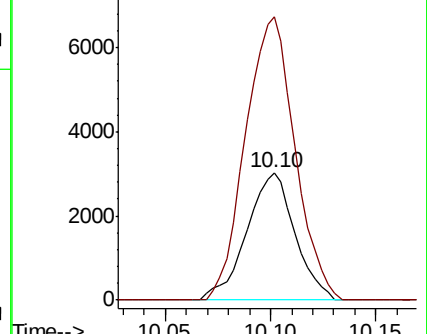
106 100

91 227.9 111.3 333.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#67

Bromoform

Concen: 0.318 ug/l

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

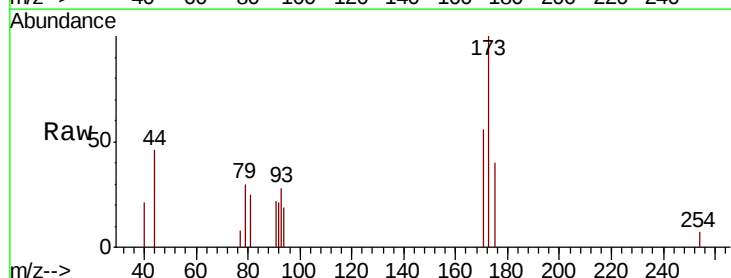
Tgt Ion:173 Resp: 2755

Ion Ratio Lower Upper

173 100

175 42.1 39.0 58.4

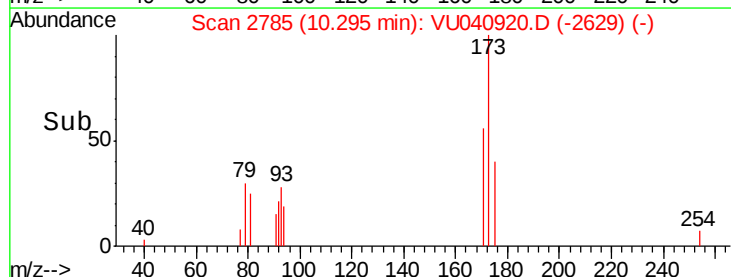
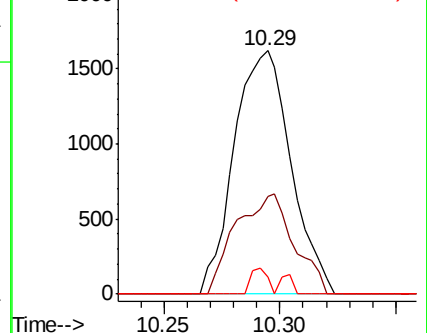
254 3.0 6.6 9.8#

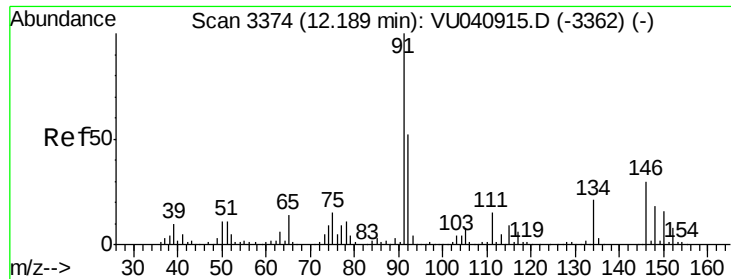


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

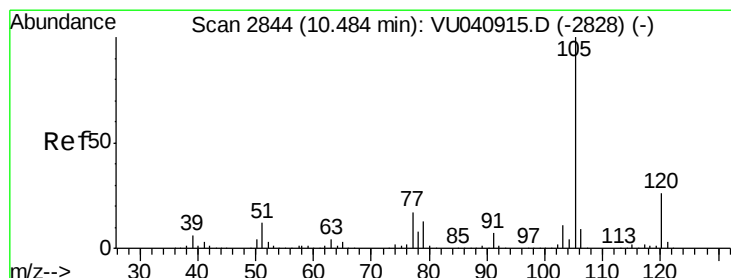
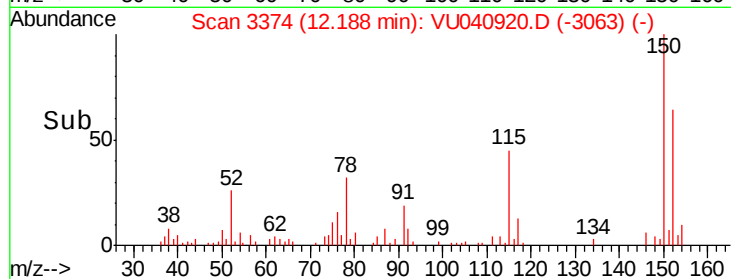
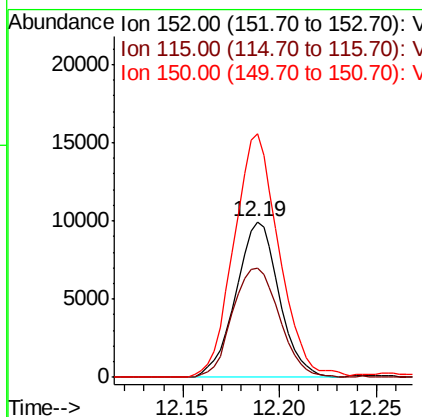
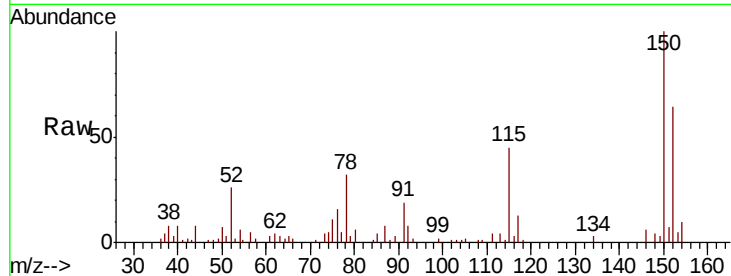




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.782 ug/l
 RT: 12.19 min Scan# 3374
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

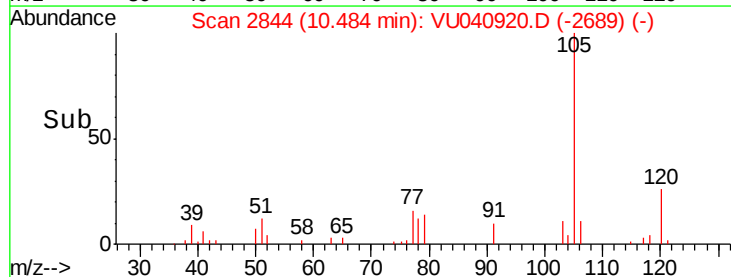
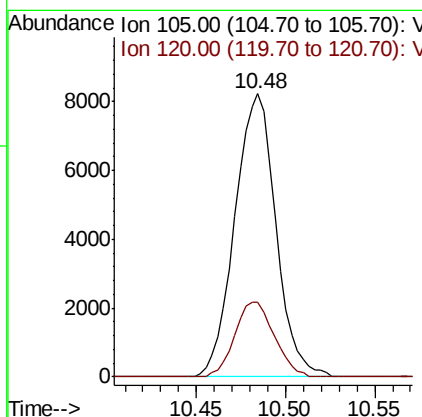
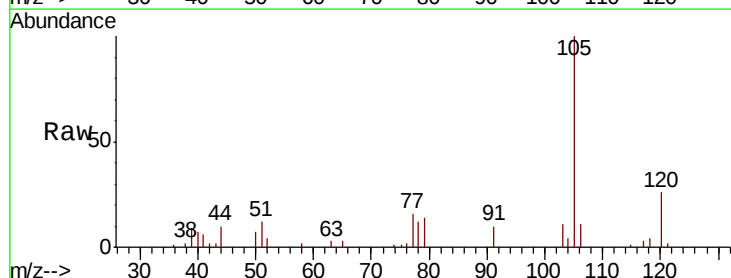
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

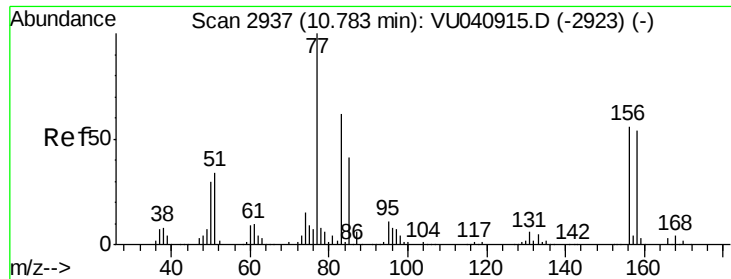
Tot Ion:152 Resp: 15448
 Ion Ratio Lower Upper
 152 100
 115 76.2 0.0 323.4
 150 163.7 0.0 653.8



#69
 Isopropylbenzene
 Concen: 0.219 ug/l
 RT: 10.48 min Scan# 2844
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Tgt Ion:105 Resp: 13172
 Ion Ratio Lower Upper
 105 100
 120 25.5 12.9 38.6





#70

1,1,2,2-Tetrachloroethane

Concen: 0.327 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

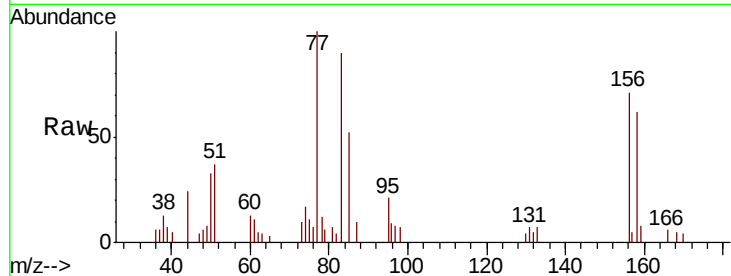
Tot Ion: 83 Resp: 5947

Ion Ratio Lower Upper

83 100

131 6.5 7.1 10.7#

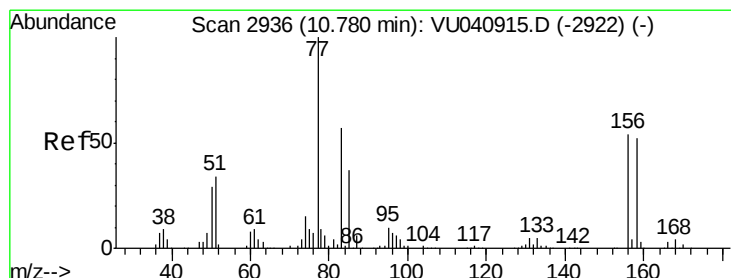
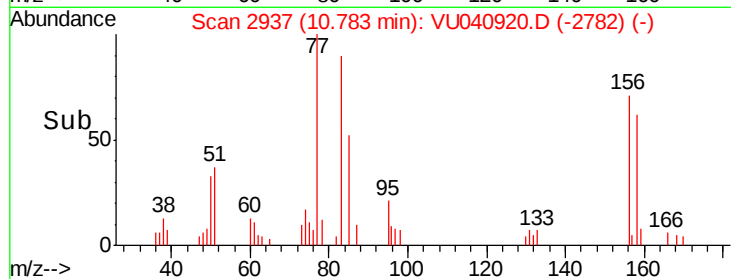
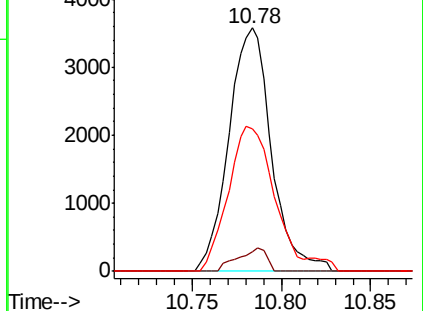
85 63.2 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VU040915.D (-2923) (-)

Ion 131.00 (130.70 to 131.70): VU040915.D (-2923) (-)

Ion 85.00 (84.70 to 85.70): VU040915.D (-2923) (-)



#72

Bromobenzene

Concen: 0.285 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

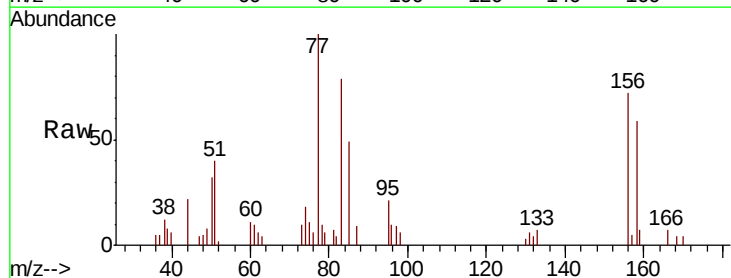
Tgt Ion: 156 Resp: 4470

Ion Ratio Lower Upper

156 100

77 165.5 0.0 370.2

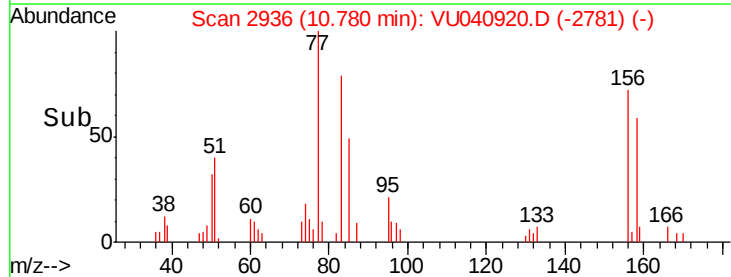
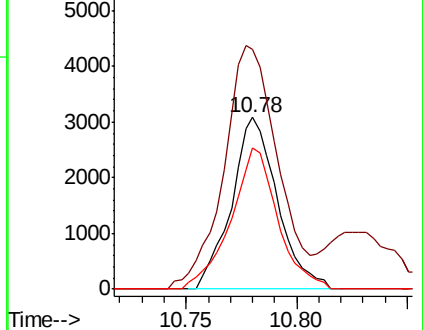
158 83.6 0.0 193.2

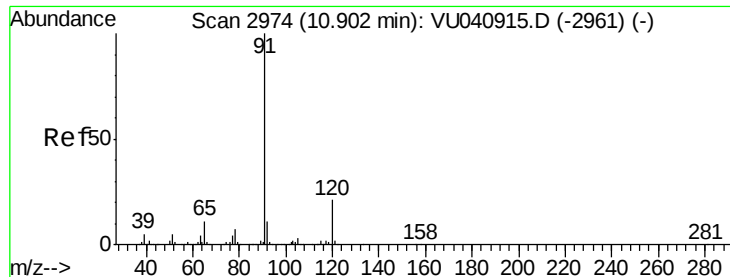


Abundance Ion 156.00 (155.70 to 156.70): VU040915.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VU040915.D (-2922) (-)

Ion 158.00 (157.70 to 158.70): VU040915.D (-2922) (-)





#73

n-propylbenzene

Concen: 0.210 ug/l

RT: 10.90 min Scan# 2974

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

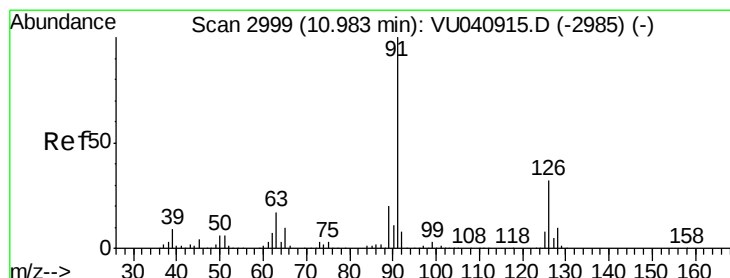
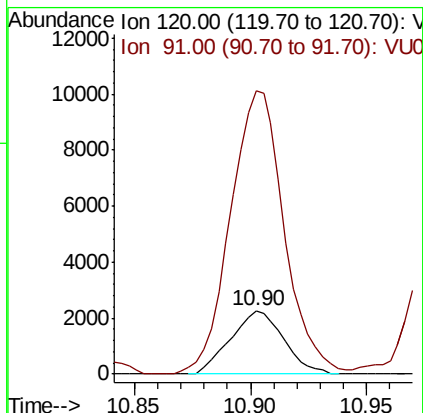
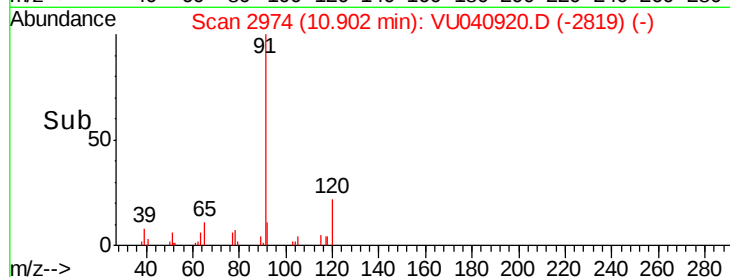
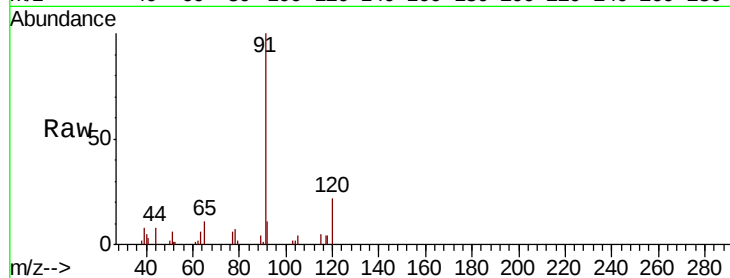
LOD-MDL-WATER-01-QT4-2020

Tot Ion:120 Resp: 3605

Ion Ratio Lower Upper

120 100

91 451.5 370.8 556.2



#74

2-Chlorotoluene

Concen: 0.229 ug/l

RT: 10.98 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VU040920.D

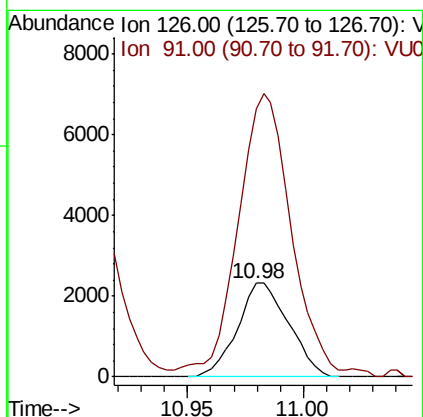
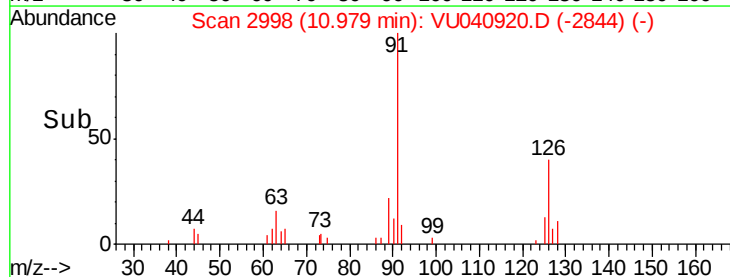
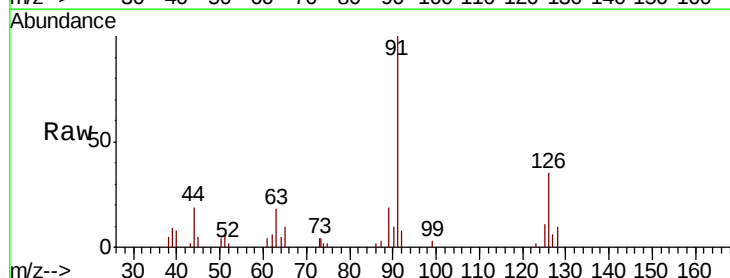
Acq: 22 Oct 2020 23:53

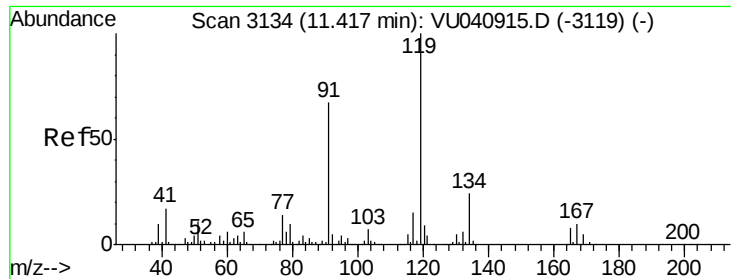
Tgt Ion:126 Resp: 3567

Ion Ratio Lower Upper

126 100

91 316.9 0.0 633.2





#77

tert-Butylbenzene

Concen: 0.222 ug/l

RT: 11.41 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

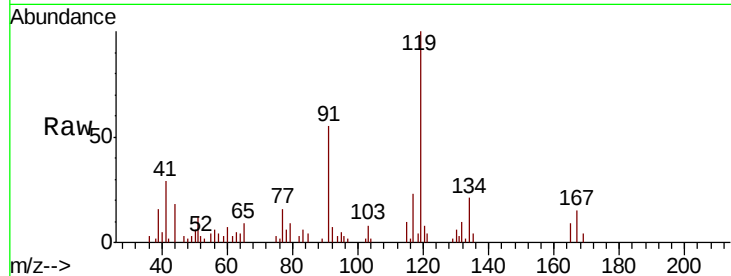
Tot Ion:119 Resp: 11269

Ion Ratio Lower Upper

119 100

91 53.0 32.0 96.2

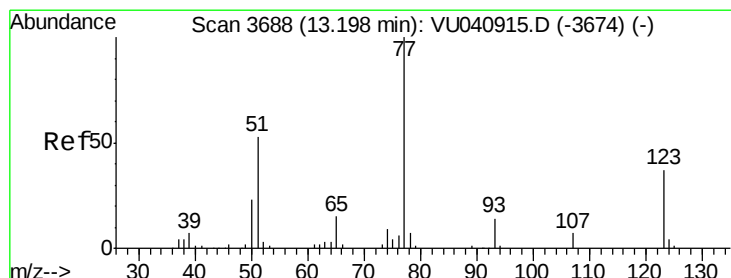
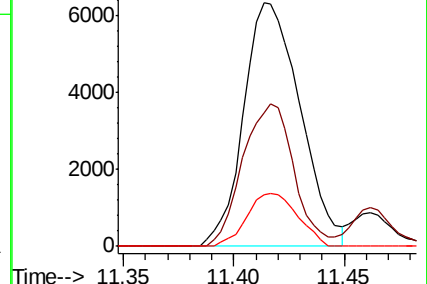
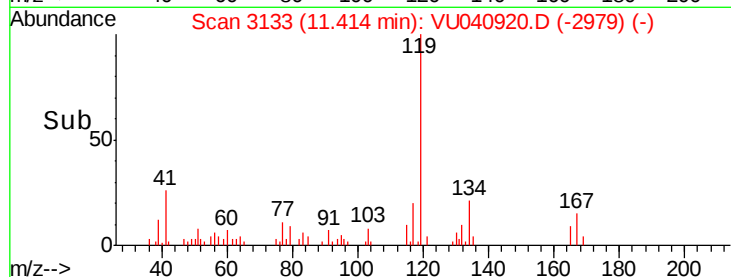
134 19.6 18.4 27.6



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



#80

Nitrobenzene

Concen: 1.730 ug/l

RT: 13.21 min Scan# 3693

Delta R.T. 0.02 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

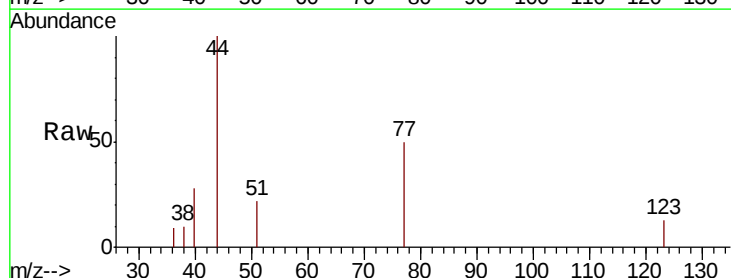
Tgt Ion: 77 Resp: 1488

Ion Ratio Lower Upper

77 100

123 21.0 16.8 59.4

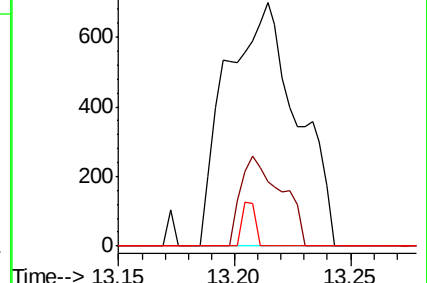
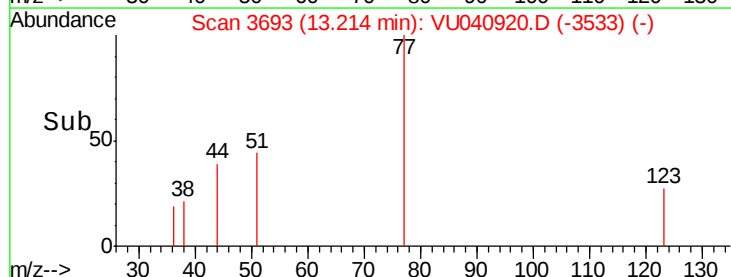
65 3.3 11.0 14.0#

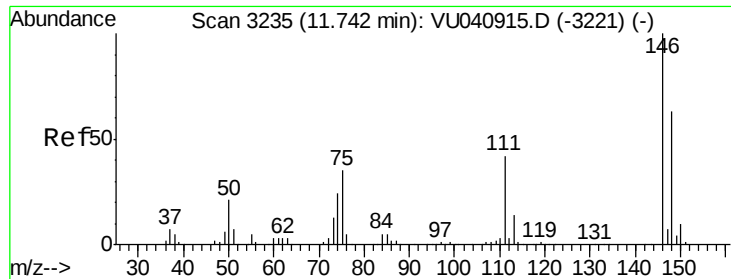


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

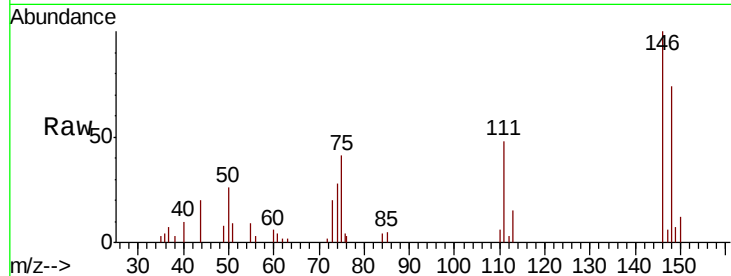




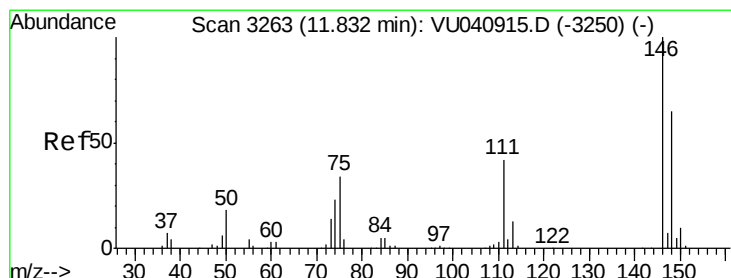
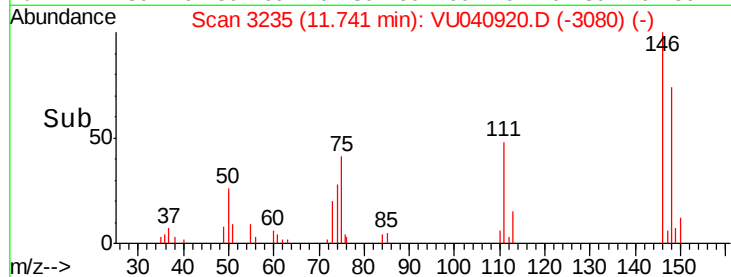
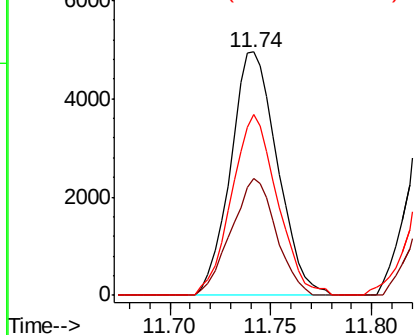
#82
 1,3-Dichlorobenzene
 Concen: 0.235 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion:146 Resp: 8043
 Ion Ratio Lower Upper
 146 100
 111 46.0 33.6 50.4
 148 72.5 50.1 75.1

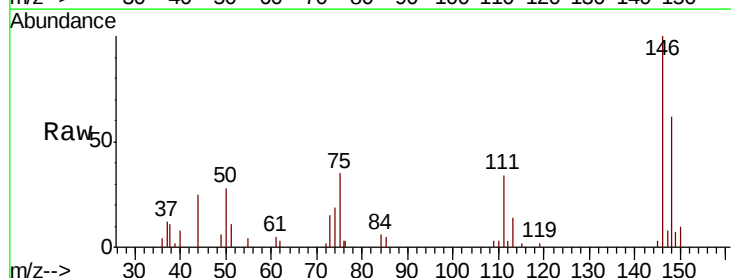


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

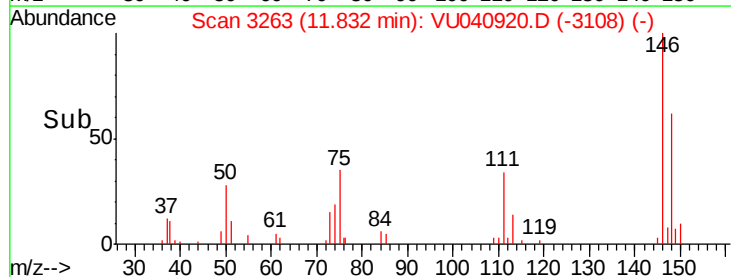
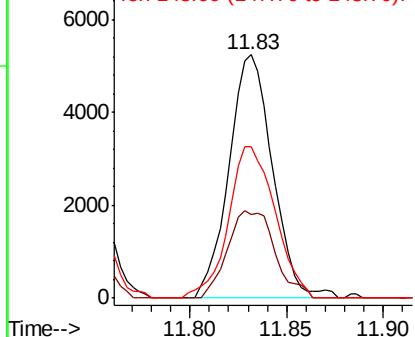


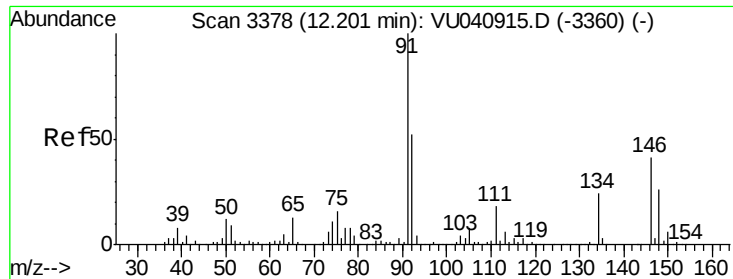
#83
 1,4-Dichlorobenzene
 Concen: 0.238 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Tgt Ion:146 Resp: 8210
 Ion Ratio Lower Upper
 146 100
 111 38.9 33.7 50.5
 148 66.4 50.6 75.8



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

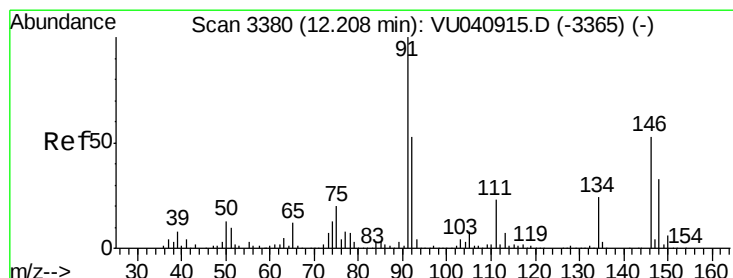
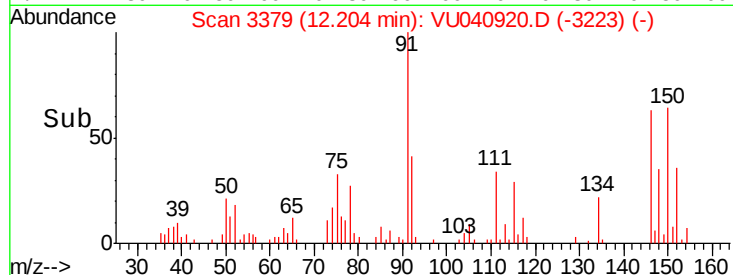
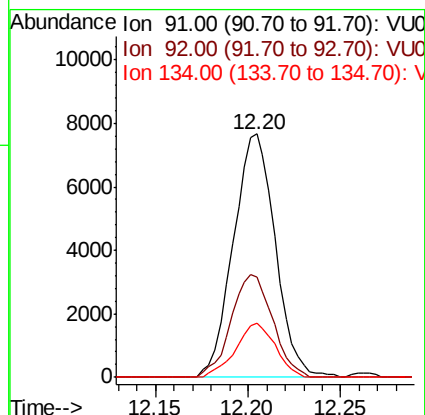
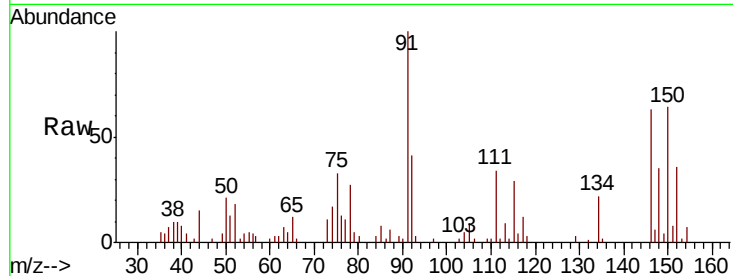




#84
n-Butylbenzene
Concen: 0.205 ug/l
RT: 12.20 min Scan# 3379
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

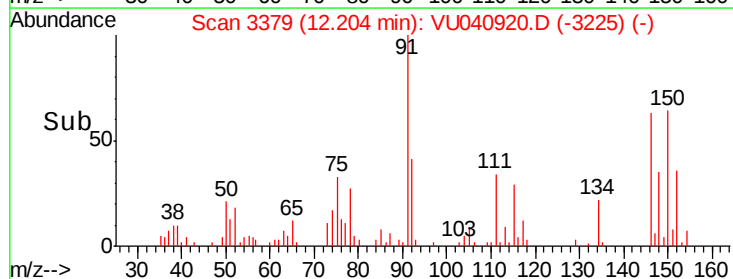
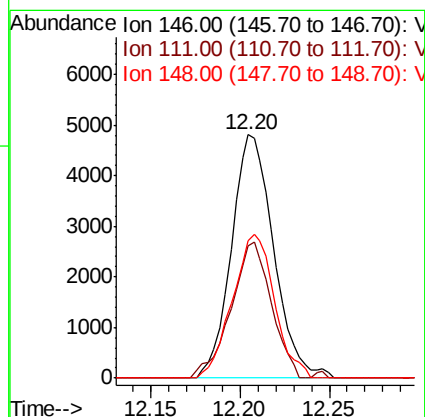
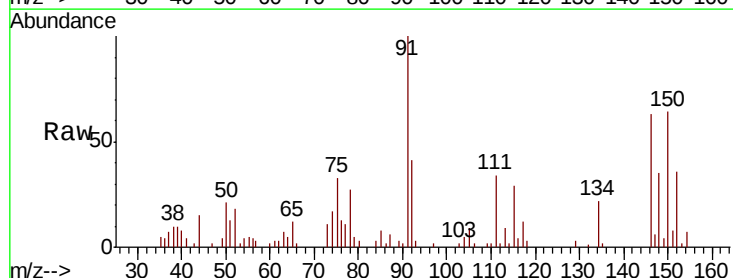
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

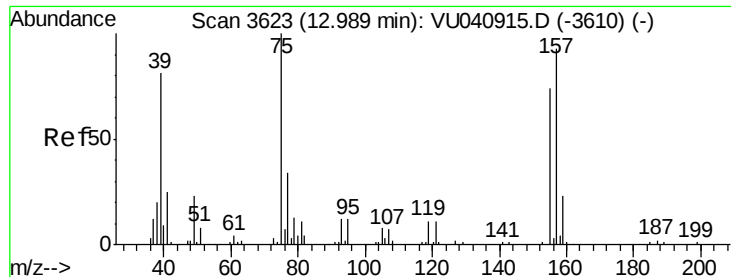
Tot Ion: 91 Resp: 12065
Ion Ratio Lower Upper
91 100
92 41.7 41.7 62.5
134 21.0 18.6 28.0



#85
1,2-Dichlorobenzene
Concen: 0.243 ug/l
RT: 12.20 min Scan# 3379
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion: 146 Resp: 7935
Ion Ratio Lower Upper
146 100
111 53.3 22.3 66.9
148 58.7 31.5 94.5

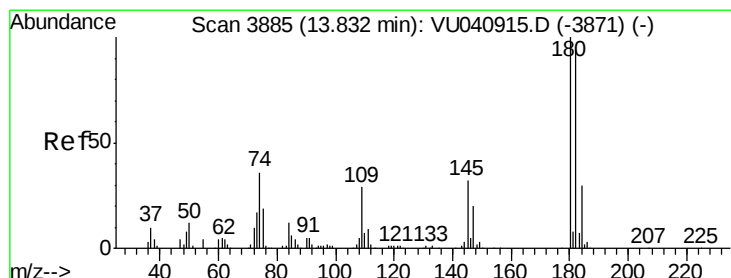
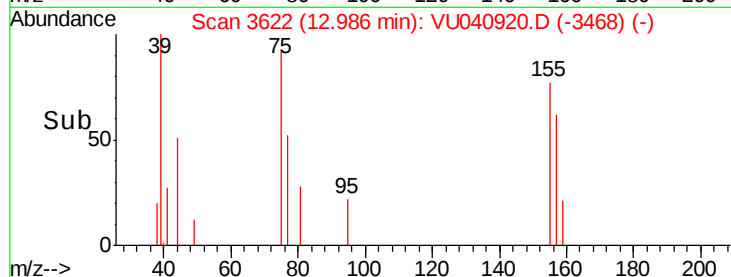
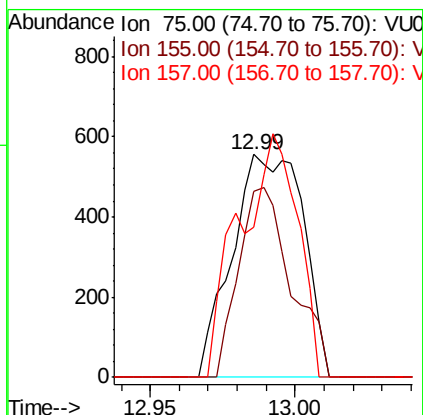
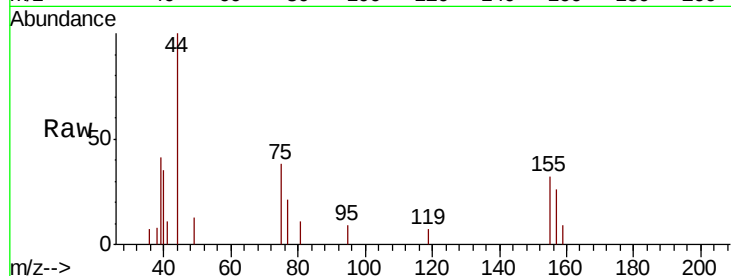




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.279 ug/l
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

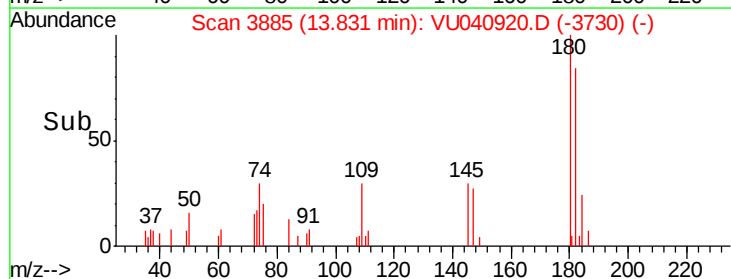
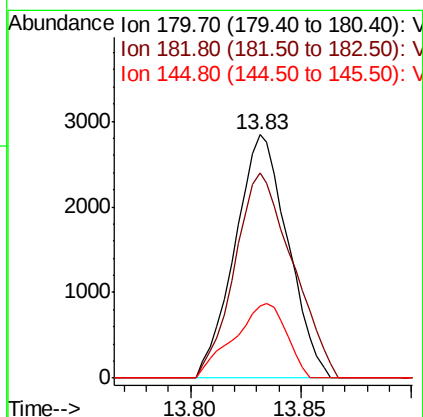
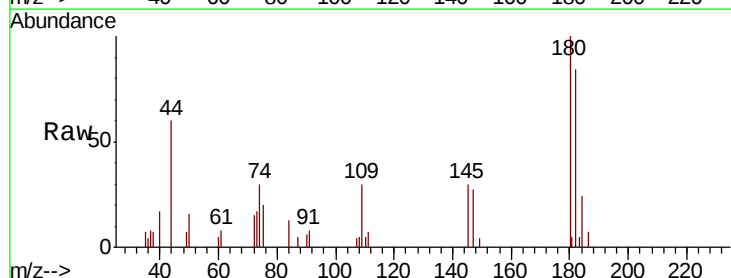
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

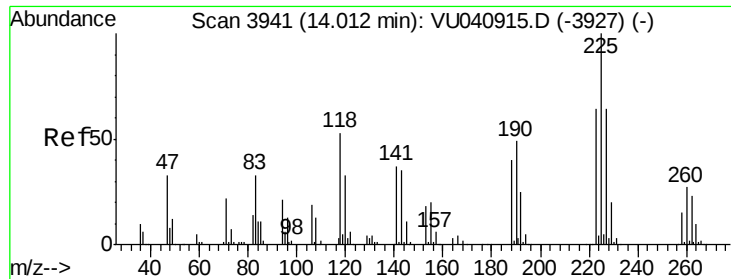
Tot Ion: 75 Resp: 948
 Ion Ratio Lower Upper
 75 100
 155 62.9 57.1 85.7
 157 89.9 72.4 108.6



#87
 1,2,4-Trichlorobenzene
 Concen: 0.246 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Tgt Ion: 180 Resp: 4713
 Ion Ratio Lower Upper
 180 100
 182 92.7 75.4 113.2
 145 30.5 25.4 38.0

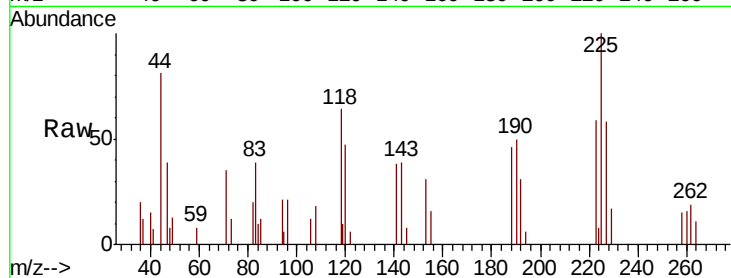




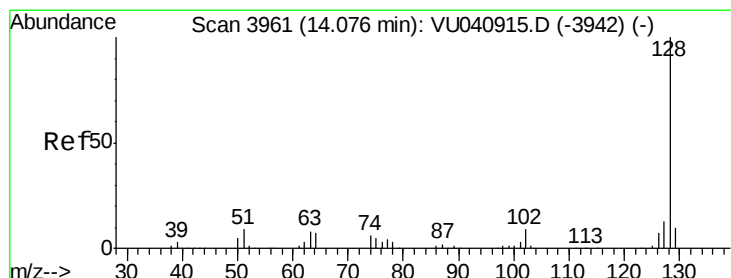
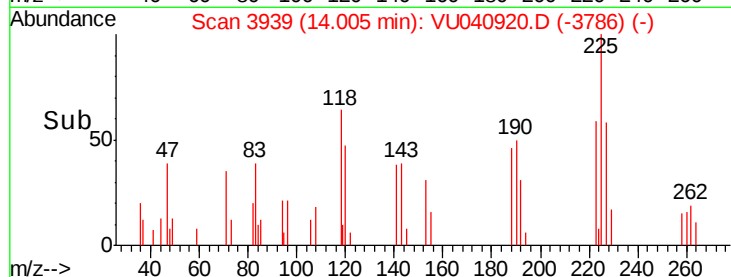
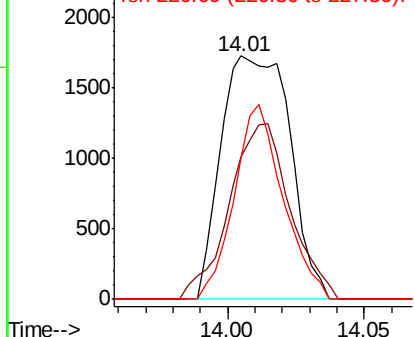
#88
Hexachlorobutadiene
Concen: 0.282 ug/l
RT: 14.01 min Scan# 3939
Delta R.T. -0.01 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:225 Resp: 3028
Ion Ratio Lower Upper
225 100
223 63.7 49.9 74.9
227 56.6 51.1 76.7

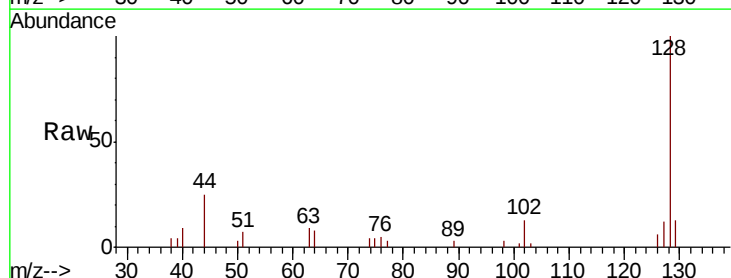


Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V

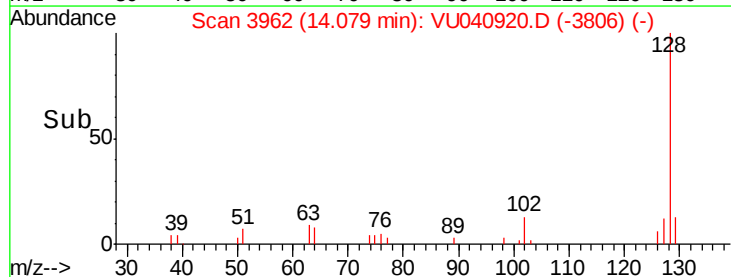
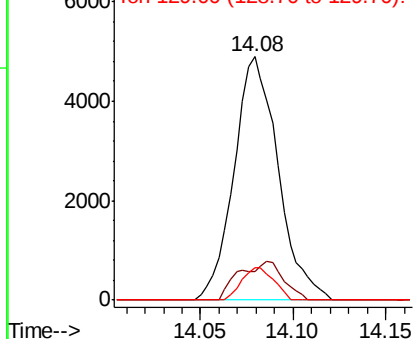


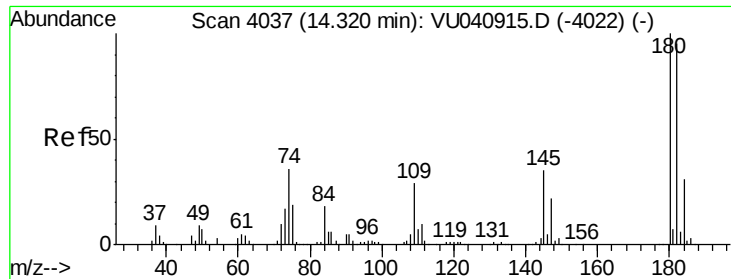
#89
Naphthalene
Concen: 0.219 ug/l
RT: 14.08 min Scan# 3962
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion:128 Resp: 8114
Ion Ratio Lower Upper
128 100
127 16.0 10.7 16.1
129 9.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

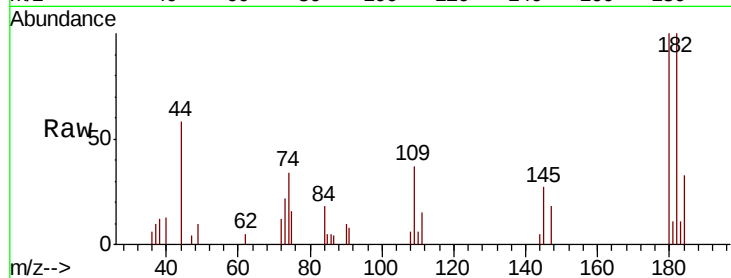




#90
 1,2,3-Trichlorobenzene
 Concen: 0.245 ug/l
 RT: 14.32 min Scan# 4038
 Delta R.T. 0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion:180 Resp: 4565
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.0 114.0
 145 26.8 28.0 42.0#



Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.70 (181.40 to 182.40): V
 Ion 144.80 (144.50 to 145.50): V

