

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U073020\
 Data File : VU039724.D
 Acq On : 30 Jul 2020 16:59
 Operator : SY/MD
 Sample : L3216-07 0.4PPB LOD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Quant Time: Jul 31 07:12:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 31 06:34:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.12	96	21633	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	6992	0.83	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	7433	0.90	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	2343	0.312	ug/l	96
3) Chloromethane	1.53	50	4406	0.472	ug/l	94
4) Vinyl Chloride	1.61	62	3205	0.372	ug/l #	88
5) Bromomethane	1.86	94	2074	0.352	ug/l	93
6) Chloroethane	1.94	64	2468	0.413	ug/l #	85
7) Trichlorofluoromethane	2.15	101	4087	0.359	ug/l #	83
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2301	0.352	ug/l	91
9) 1,1-Dichloroethene	2.59	96	2149	0.358	ug/l	96
10) Iodomethane	2.73	142	2615	0.431	ug/l	95
11) Allyl Chloride	2.94	41	4801	0.370	ug/l	96
12) Acrylonitrile	3.34	53	1434	0.680	ug/l	92
13) Acetone	2.66	43	4107	2.069	ug/l	96
14) Carbon Disulfide	2.81	76	7683	0.349	ug/l	99
15) Methylene Chloride	3.06	84	10553	1.260	ug/l	96
16) trans-1,2-Dichloroethene	3.37	96	2533	0.371	ug/l	98
17) 1,1-Dichloroethane	3.88	63	5206	0.347	ug/l #	94
18) 2-Butanone	4.75	43	5503	1.648	ug/l	95
19) Cyclohexane	5.39	56	4752	0.327	ug/l	95
20) Methylcyclohexane	6.77	83	3254	0.302	ug/l	96
21) 2,2-Dichloropropane	4.69	77	4404	0.360	ug/l	96
22) cis-1,2-Dichloroethene	4.69	96	2628	0.357	ug/l	97
23) Diethyl Ether	2.39	59	2990	0.487	ug/l	95
24) tert-Butyl Alcohol	3.25	59	1582m	1.445	ug/l	
25) Methyl tert-Butyl Ether	3.39	73	6656	0.339	ug/l #	87
26) Bromochloromethane	4.99	128	1244	0.413	ug/l	83
27) Chloroform	5.11	83	5310	0.378	ug/l	98
28) 1,1,1-Trichloroethane	5.33	97	3999	0.352	ug/l	98
29) 1,1-Dichloropropene	5.54	75	4031	0.368	ug/l	98
30) Carbon Tetrachloride	5.53	117	3037	0.327	ug/l	98
31) Isopropyl Ether	4.02	45	9900	0.362	ug/l	92
32) Ethyl-t-butyl ether	4.54	59	7916	0.340	ug/l	95
33) Tert-Amyl methyl ether	5.97	73	5202	0.310	ug/l	95
34) Propionitrile	4.82	54	1342	1.630	ug/l #	75
35) Benzene	5.79	78	9256	0.342	ug/l	96
36) 1,2-Dichloroethane	5.81	62	3569	0.352	ug/l #	86
37) Trichloroethene	6.56	130	1979	0.320	ug/l	92
38) 1,2-Dichloropropane	6.80	63	2448	0.328	ug/l #	88
39) Methacrylonitrile	5.01	41	1754	0.404	ug/l #	86
40) Methyl acrylate	4.88	55	1970	0.352	ug/l #	83
41) Tetrahydrofuran	5.09	42	1223m	0.560	ug/l	
42) 1-Chlorobutane	5.48	56	6140	0.358	ug/l	84

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 Misc : 25.0mL/MSVOA U/WATER
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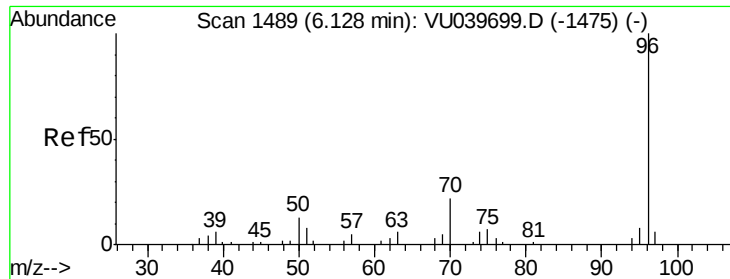
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Quant Time: Jul 31 07:12:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 31 06:34:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.93	93	1117	0.278	ug/l	95
44) Bromodichloromethane	7.12	83	2995	0.325	ug/l #	87
45) 4-Methyl-2-Pentanone	7.82	43	9384	1.543	ug/l	96
46) t-1,4-Dichloro-2-butene	10.83	75	1086m	0.600	ug/l	
47) Methyl methacrylate	6.98	69	2193	0.586	ug/l #	94
48) Ethyl methacrylate	8.35	69	1635	0.237	ug/l	81
49) Toluene	7.97	92	4639	0.288	ug/l	93
50) t-1,3-Dichloropropene	8.22	75	2349	0.283	ug/l	98
51) cis-1,3-Dichloropropene	7.62	75	2992	0.307	ug/l	93
52) 1,1,2-Trichloroethane	8.41	97	1793	0.344	ug/l	91
53) 1,3-Dichloropropane	8.58	76	3282	0.328	ug/l	95
54) 2-Hexanone	8.70	43	7057	1.621	ug/l	95
55) Dibromochloromethane	8.82	129	1696	0.303	ug/l	89
56) 1,2-Dibromoethane	8.93	107	1390	0.277	ug/l	88
58) Tetrachloroethene	8.56	164	1848	0.341	ug/l	95
59) Chlorobenzene	9.45	112	5156	0.309	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.54	131	1757	0.313	ug/l	97
61) Pentachloroethane	11.43	117	1323	0.268	ug/l #	76
62) Hexachloroethane	12.47	117	1161	0.257	ug/l	88
63) Ethyl Benzene	9.57	91	8508	0.285	ug/l	96
64) m/p-Xylenes	9.70	106	6322	0.542	ug/l	99
65) o-Xylene	10.10	106	3137	0.283	ug/l	95
66) Styrene	10.12	104	5379	0.283	ug/l	97
67) Bromoform	10.29	173	628	0.220	ug/l #	94
69) Isopropylbenzene	10.48	105	7371	0.249	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	2313	0.308	ug/l #	94
71) 1,2,3-Trichloropropane	10.83	75	2114m	0.374	ug/l	
72) Bromobenzene	10.78	156	1928	0.287	ug/l	96
73) n-propylbenzene	10.91	120	2067	0.249	ug/l	100
74) 2-Chlorotoluene	10.98	126	1956	0.278	ug/l	94
75) 1,3,5-Trimethylbenzene	11.09	105	6041	0.236	ug/l	98
76) 4-Chlorotoluene	11.10	126	1771	0.243	ug/l	89
77) tert-Butylbenzene	11.42	119	6316	0.257	ug/l	94
78) 1,2,4-Trimethylbenzene	11.47	105	6172	0.235	ug/l	100
79) sec-Butylbenzene	11.64	105	8501	0.243	ug/l	100
81) p-Isopropyltoluene	11.79	119	6349	0.226	ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	3883	0.269	ug/l	97
83) 1,4-Dichlorobenzene	11.83	146	4526	0.311	ug/l	94
84) n-Butylbenzene	12.20	91	6642	0.222	ug/l	97
85) 1,2-Dichlorobenzene	12.21	146	4393	0.315	ug/l	96
86) 1,2-Dibromo-3-Chloropropan	12.99	75	360	0.285	ug/l #	67
87) 1,2,4-Trichlorobenzene	13.83	180	2739	0.314	ug/l	92
88) Hexachlorobutadiene	14.01	225	1184	0.299	ug/l	88
89) Naphthalene	14.08	128	4407	0.236	ug/l	97
90) 1,2,3-Trichlorobenzene	14.32	180	2161	0.263	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: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 96 Resp: 21633

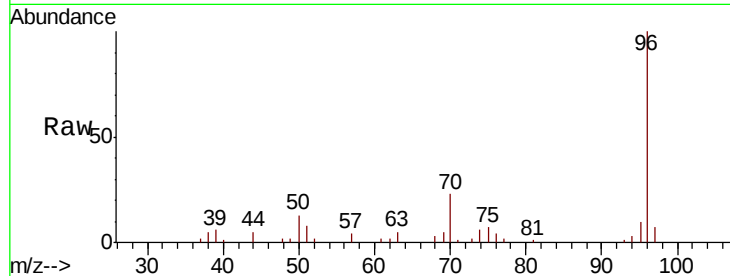
Ion Ratio Lower Upper

96 100

70 22.1 16.3 24.5

95 10.4 6.8 10.2#

97 6.2 0.0 0.0#

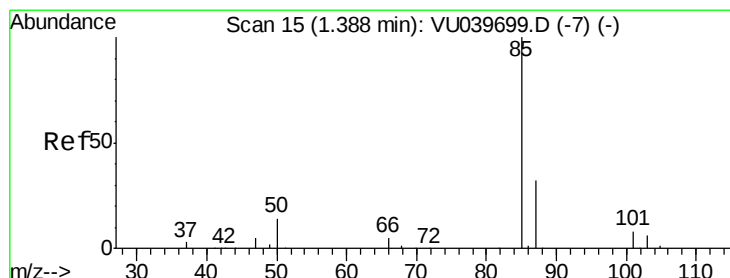
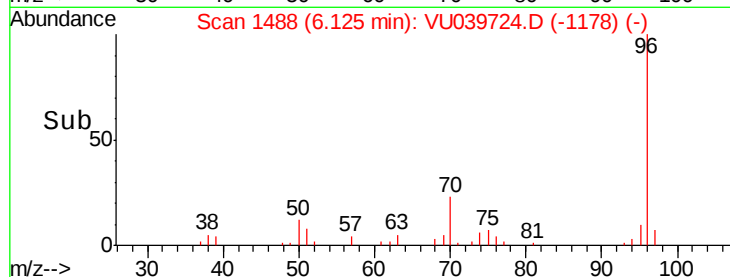
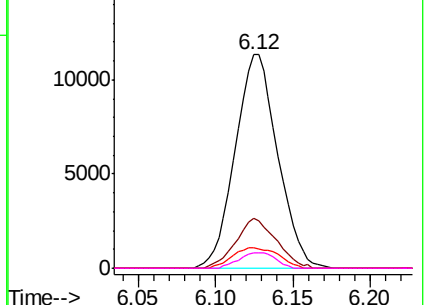


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 0.312 ug/l

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039724.D

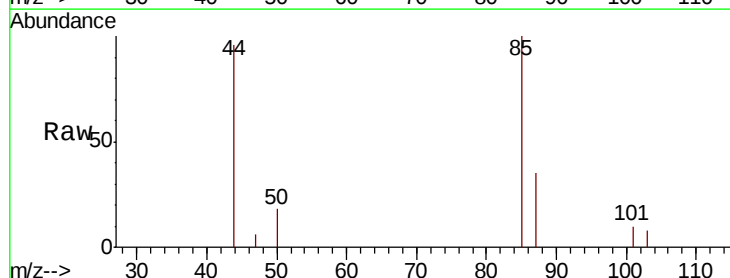
Acq: 30 Jul 2020 16:59

Tgt Ion: 85 Resp: 2343

Ion Ratio Lower Upper

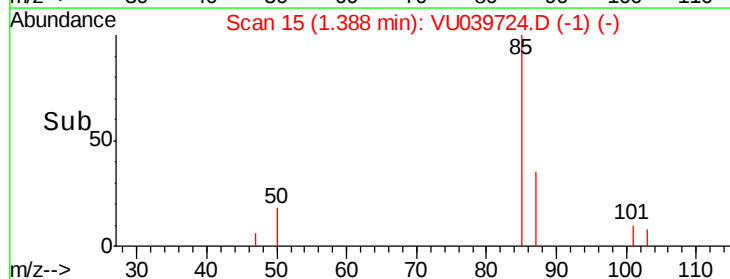
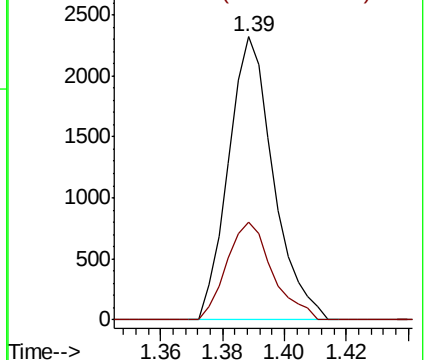
85 100

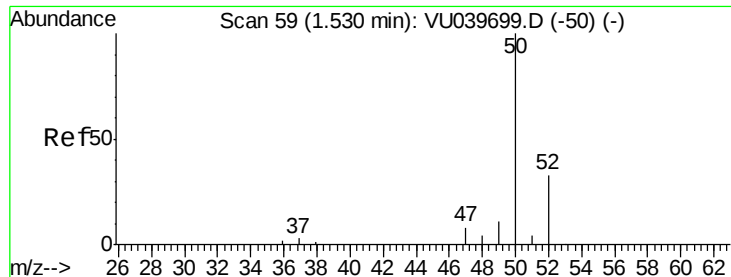
87 34.7 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 0.472 ug/l

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

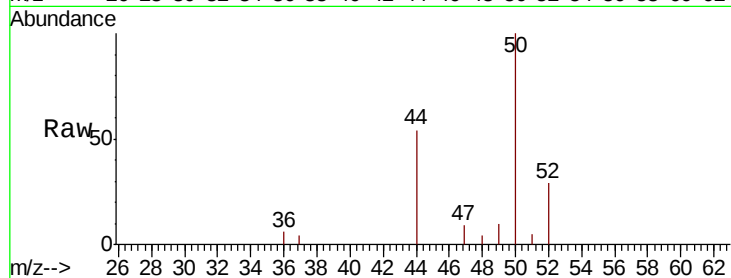
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 50 Resp: 4406

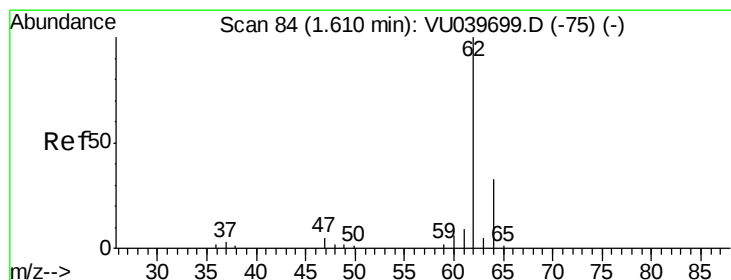
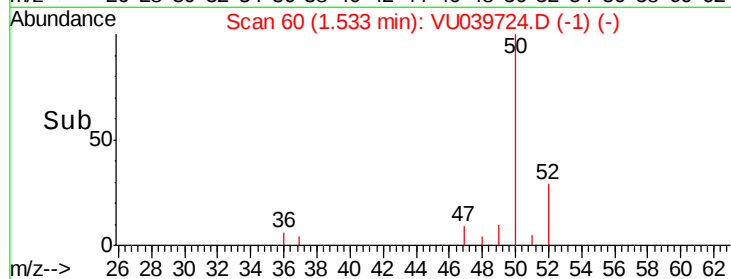
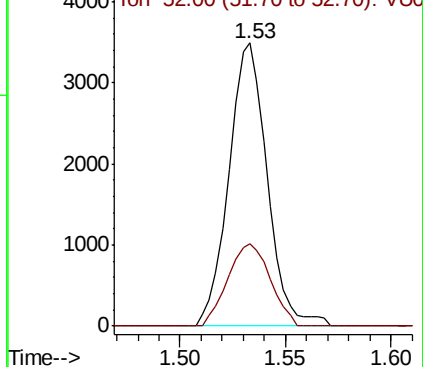
Ion Ratio Lower Upper

50 100

52 28.9 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU039724.D (-1) (-)



#4

Vinyl Chloride

Concen: 0.372 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039724.D

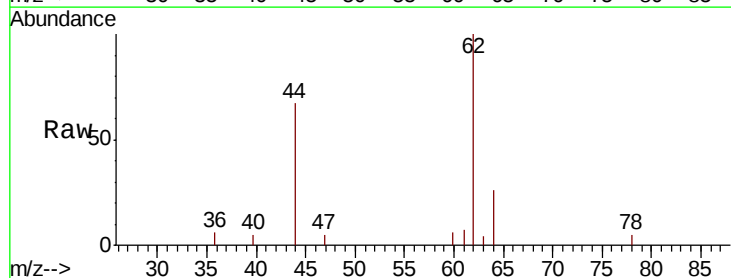
Acq: 30 Jul 2020 16:59

Tgt Ion: 62 Resp: 3205

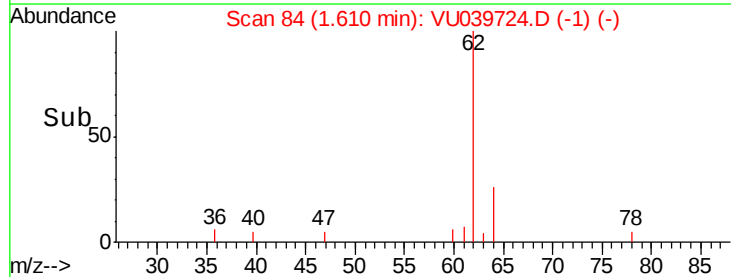
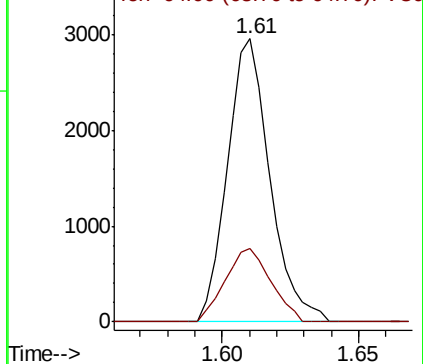
Ion Ratio Lower Upper

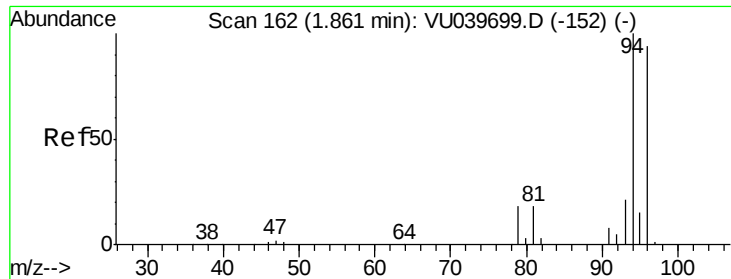
62 100

64 25.9 26.0 39.0#



Abundance Ion 62.00 (61.70 to 62.70): VU039724.D (-1) (-)

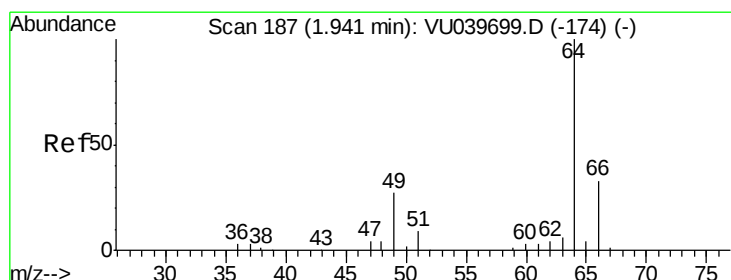
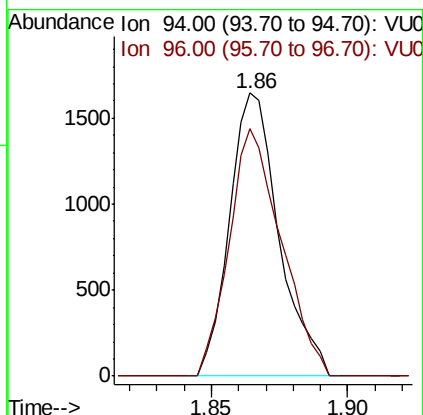
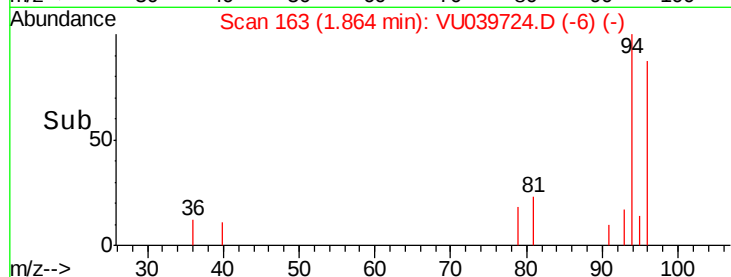
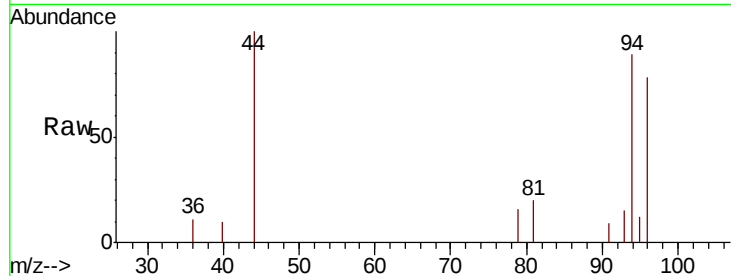




#5
Bromomethane
Concen: 0.352 ug/l
RT: 1.86 min Scan# 163
Delta R.T. 0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

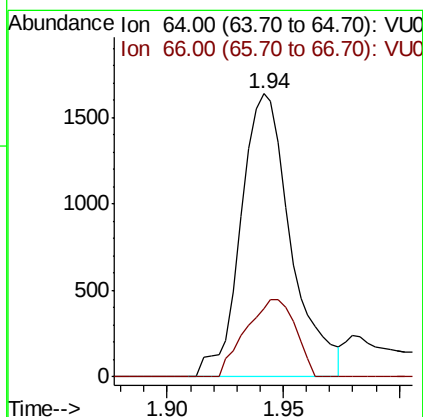
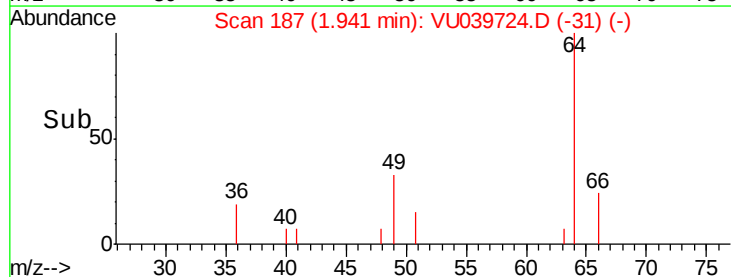
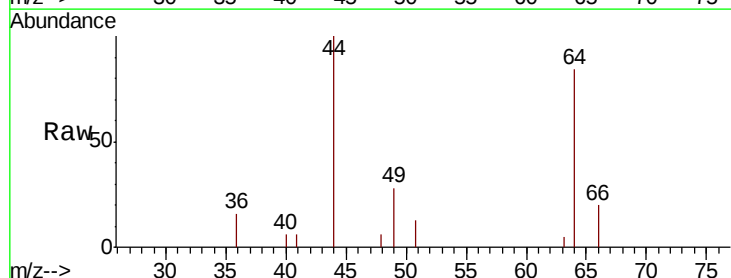
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

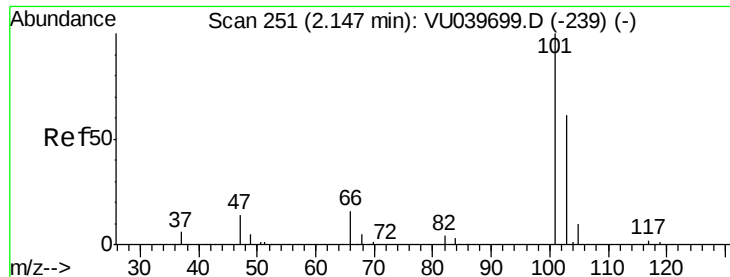
Tot Ion: 94 Resp: 2074
Ion Ratio Lower Upper
94 100
96 87.5 75.0 112.6



#6
Chloroethane
Concen: 0.413 ug/l
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Tgt Ion: 64 Resp: 2468
Ion Ratio Lower Upper
64 100
66 24.3 26.2 39.2#



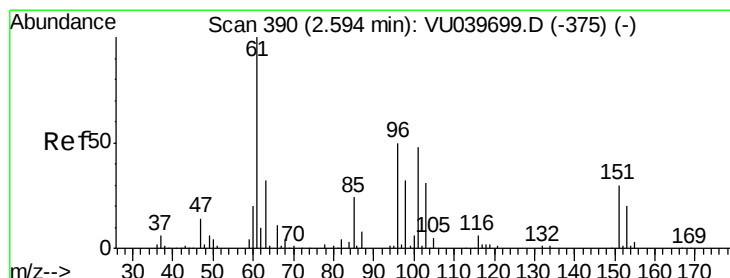
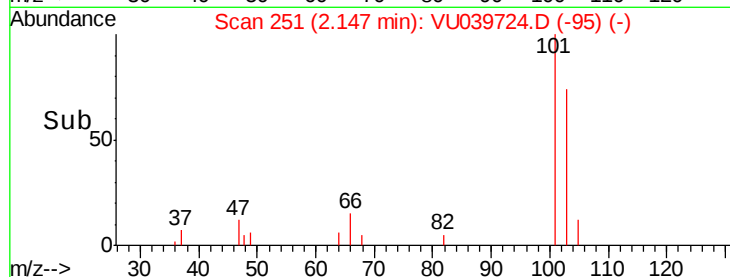
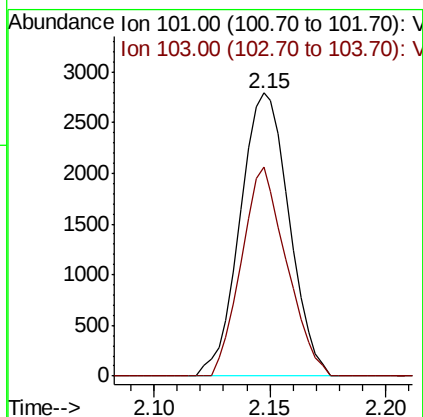
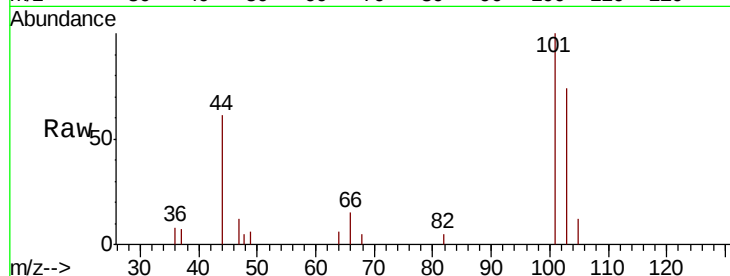


#7

Trichlorofluoromethane
 Concen: 0.359 ug/l
 RT: 2.15 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

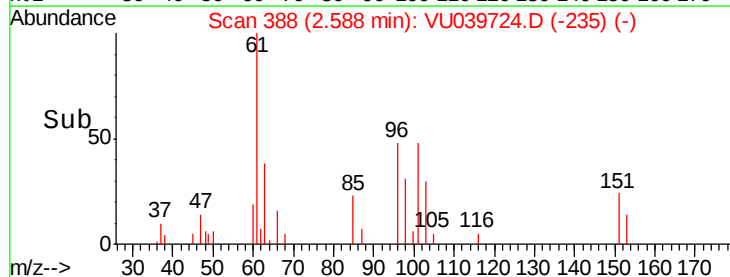
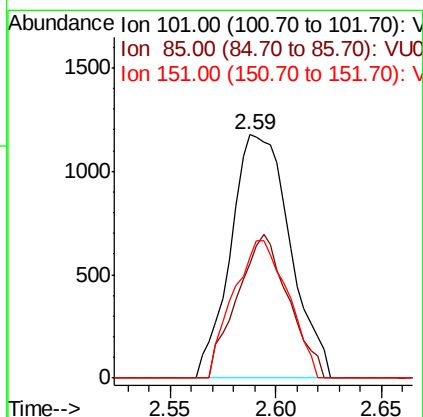
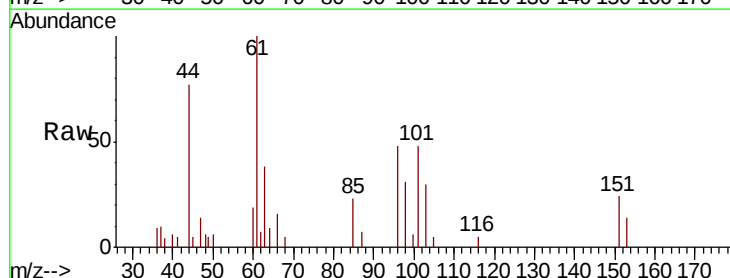
Tot Ion:101 Resp: 4087
 Ion Ratio Lower Upper
 101 100
 103 73.9 48.8 73.2#

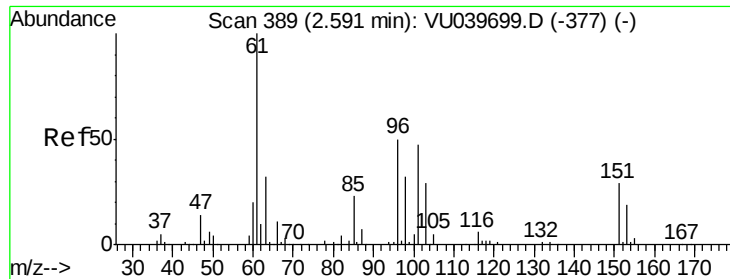


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.352 ug/l
 RT: 2.59 min Scan# 388
 Delta R.T. -0.01 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

Tgt Ion:101 Resp: 2301
 Ion Ratio Lower Upper
 101 100
 85 50.9 39.9 59.9
 151 52.1 51.0 76.4





#9

1,1-Dichloroethene

Concen: 0.358 ug/l

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

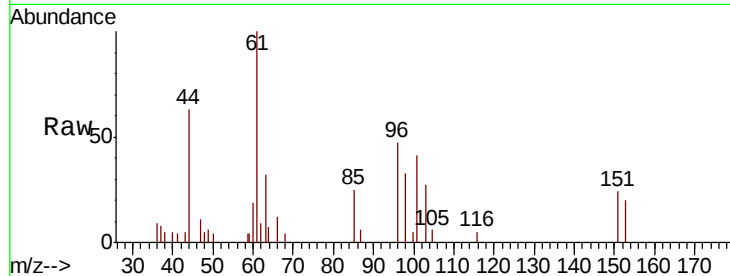
Tot Ion: 96 Resp: 2149

Ion Ratio Lower Upper

96 100

61 205.1 0.0 604.5

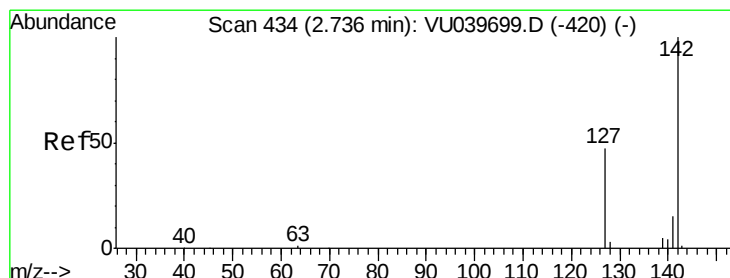
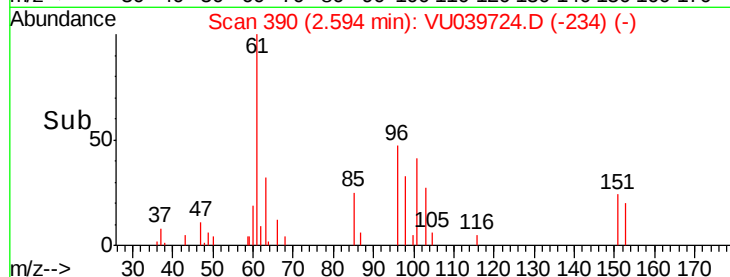
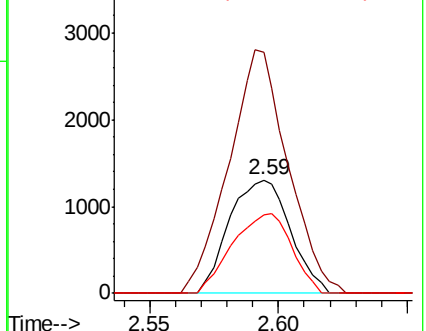
98 69.3 0.0 127.2



Abundance Ion 96.00 (95.70 to 96.70): VU039699.D (-377) (-)

Ion 61.00 (60.70 to 61.70): VU039699.D (-377) (-)

Ion 98.00 (97.70 to 98.70): VU039699.D (-377) (-)



#10

Iodomethane

Concen: 0.431 ug/l

RT: 2.73 min Scan# 433

Delta R.T. -0.00 min

Lab File: VU039724.D

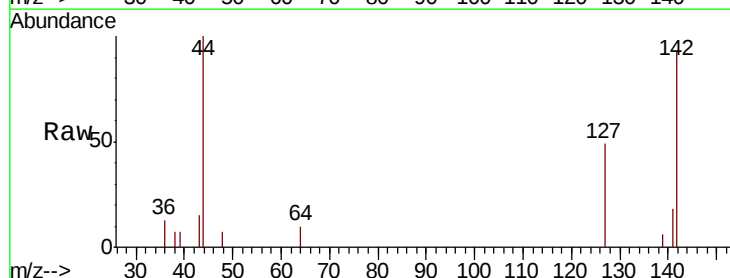
Acq: 30 Jul 2020 16:59

Tgt Ion:142 Resp: 2615

Ion Ratio Lower Upper

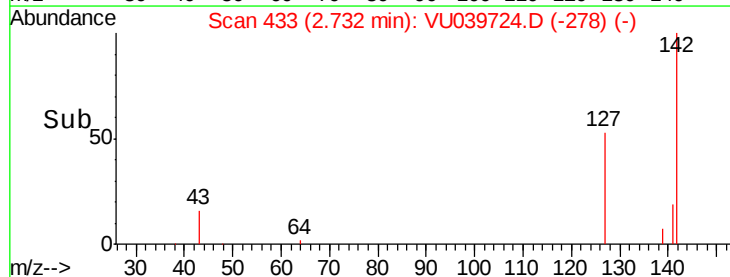
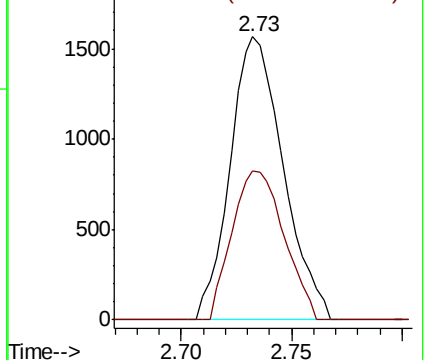
142 100

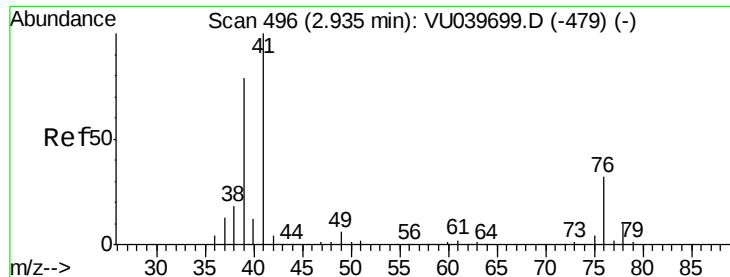
127 51.4 38.4 57.6



Abundance Ion 142.00 (141.70 to 142.70): VU039699.D (-420) (-)

Ion 127.00 (126.70 to 127.70): VU039699.D (-420) (-)

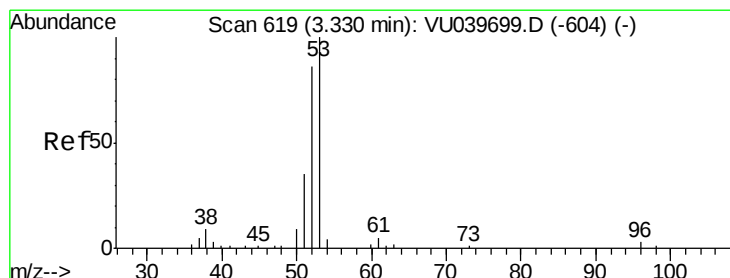
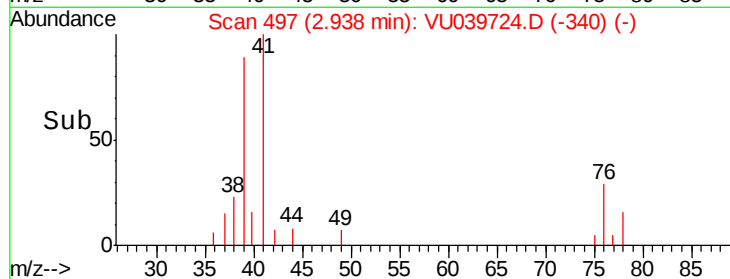
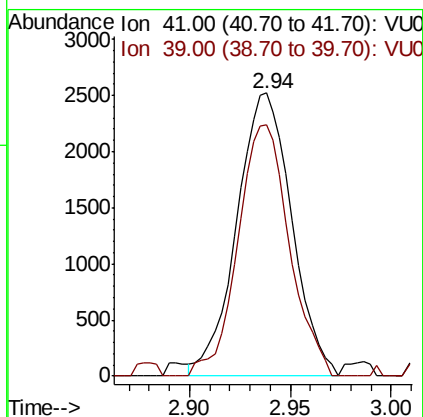
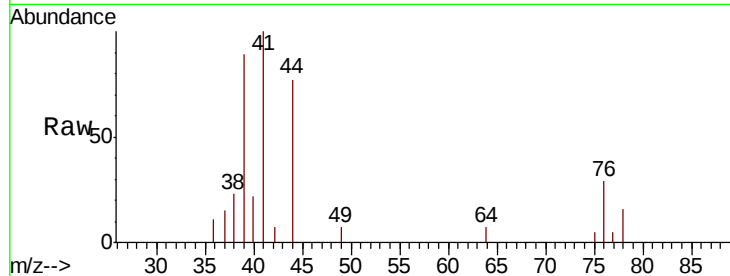




#11
Allvl Chloride
Concen: 0.370 ug/l
RT: 2.94 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

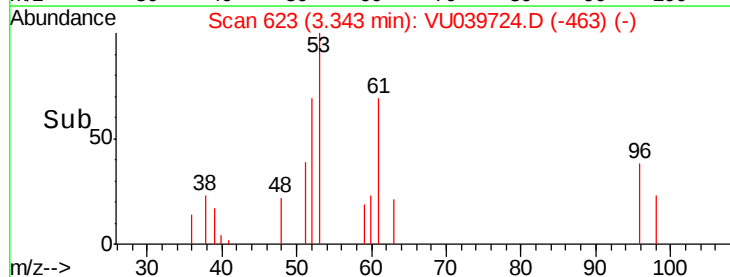
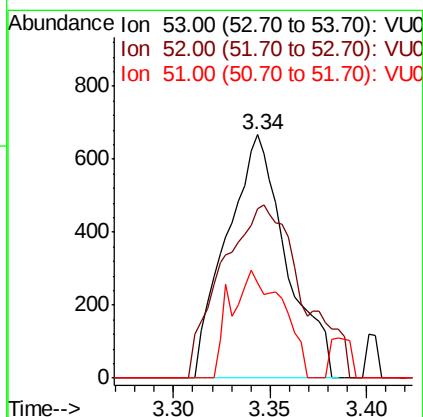
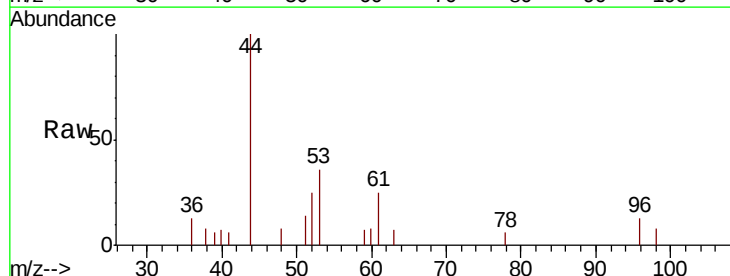
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 41 Resp: 4801
Ion Ratio Lower Upper
41 100
39 83.3 64.2 96.2



#12
Acrylonitrile
Concen: 0.680 ug/l
RT: 3.34 min Scan# 623
Delta R.T. 0.01 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Tgt Ion: 53 Resp: 1434
Ion Ratio Lower Upper
53 100
52 95.7 69.1 103.7
51 38.4 29.4 44.2





#13

Acetone

Concen: 2.069 ug/l

RT: 2.66 min Scan# 409

Delta R.T. 0.02 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

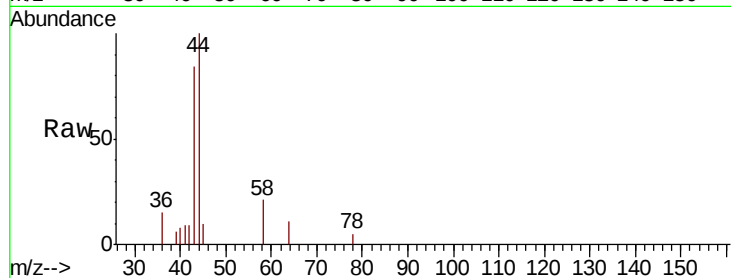
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 4107

Ion Ratio Lower Upper

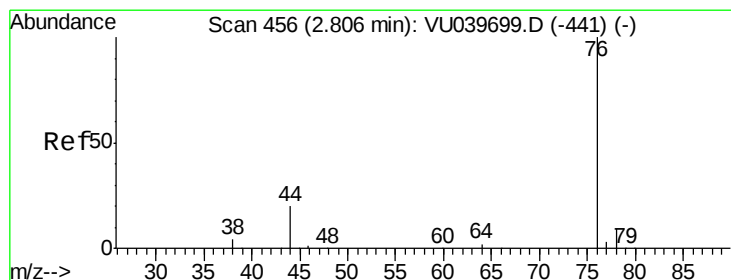
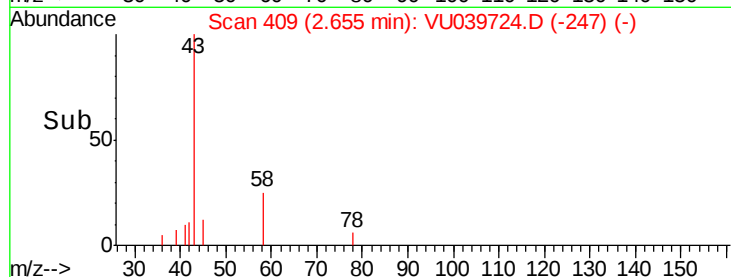
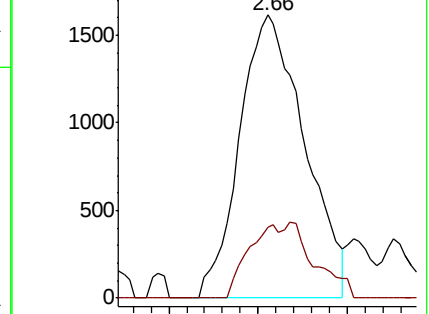
43 100

58 25.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU039724.D (-247) (-)

Ion 58.00 (57.70 to 58.70): VU039724.D (-247) (-)



#14

Carbon Disulfide

Concen: 0.349 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039724.D

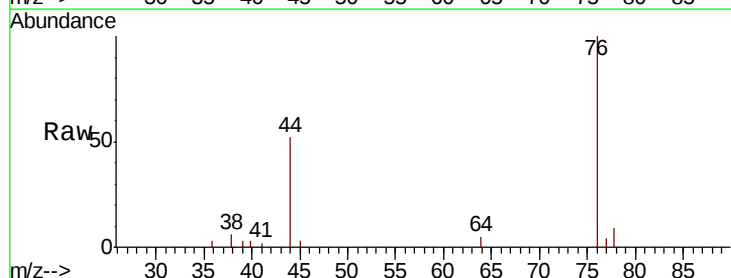
Acq: 30 Jul 2020 16:59

Tgt Ion: 76 Resp: 7683

Ion Ratio Lower Upper

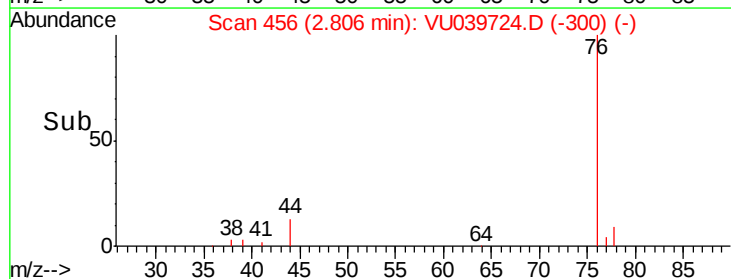
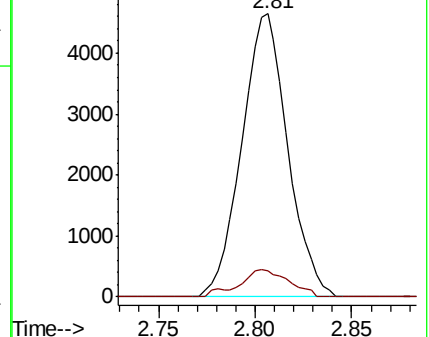
76 100

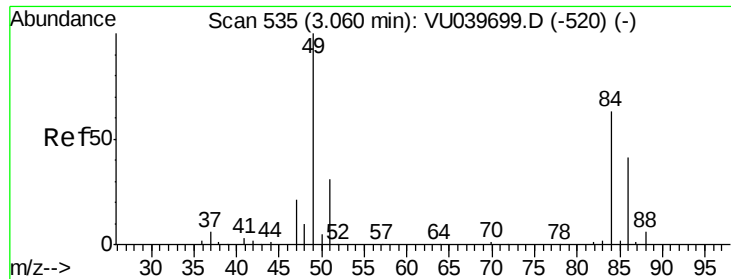
78 9.1 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU039724.D (-300) (-)

Ion 78.00 (77.70 to 78.70): VU039724.D (-300) (-)

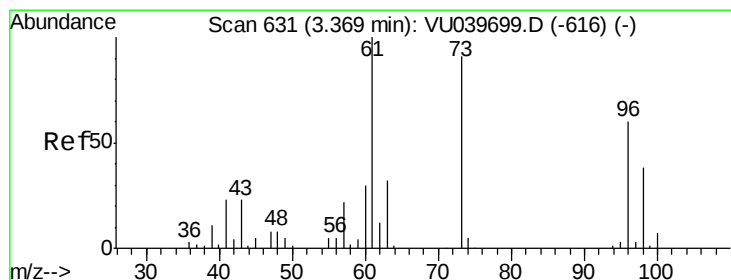
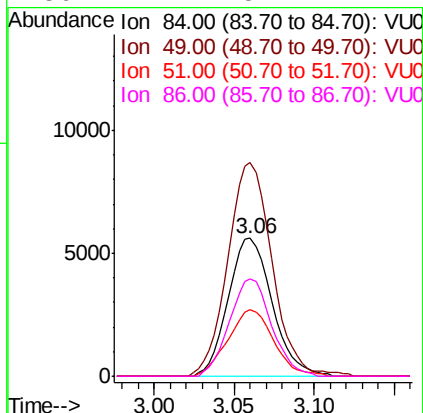
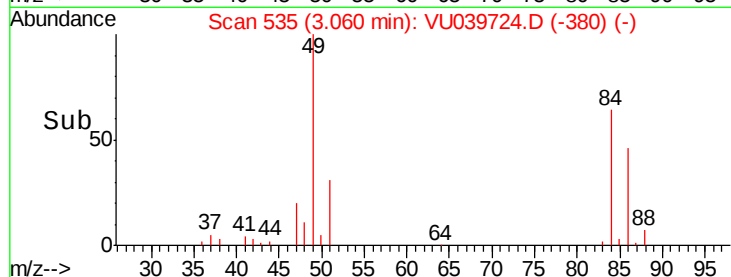
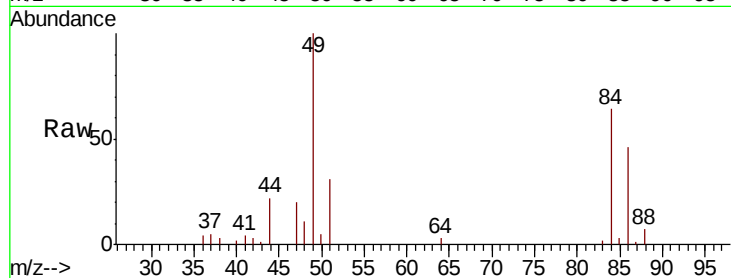




#15
Methvlene Chloride
Concen: 1.260 ug/l
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

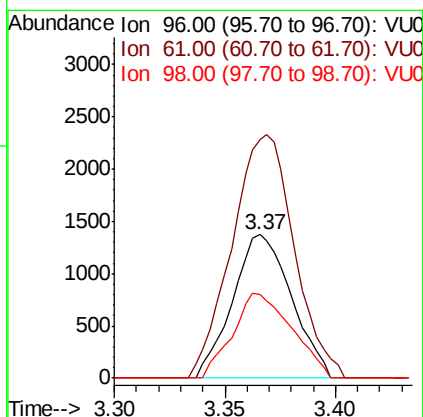
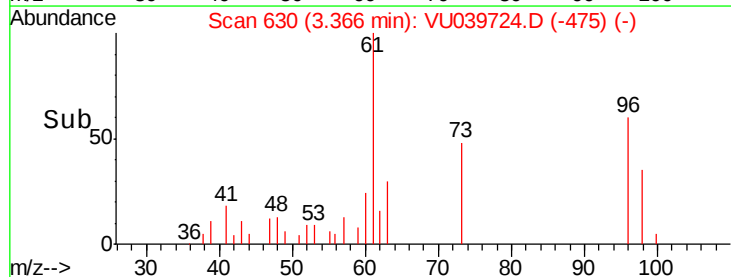
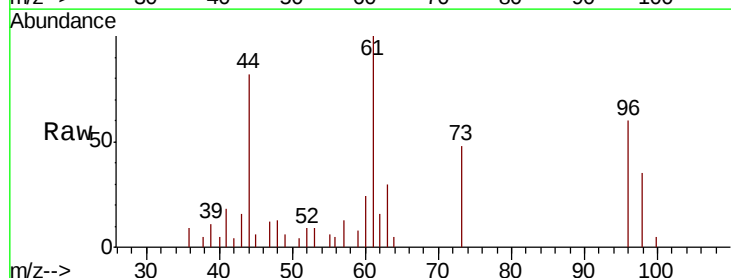
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

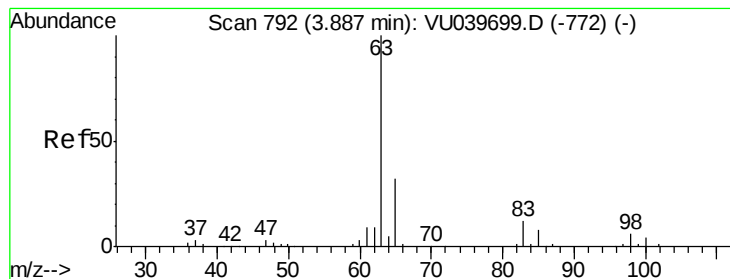
Tot Ion:	84	Resp:	10553
Ion	Ratio	Lower	Upper
84	100		
49	155.1	126.8	190.2
51	48.0	0.0	97.2
86	71.1	51.4	77.2



#16
trans-1,2-Dichloroethene
Concen: 0.371 ug/l
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Tgt Ion:	96	Resp:	2533
Ion	Ratio	Lower	Upper
96	100		
61	166.2	132.6	199.0
98	58.2	50.2	75.2





#17

1,1-Dichloroethane

Concen: 0.347 ug/l

RT: 3.88 min Scan# 791

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

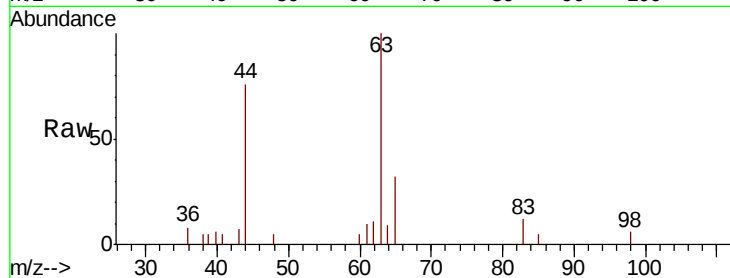
Tot Ion: 63 Resp: 5206

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

100 0.0 2.0 6.0#

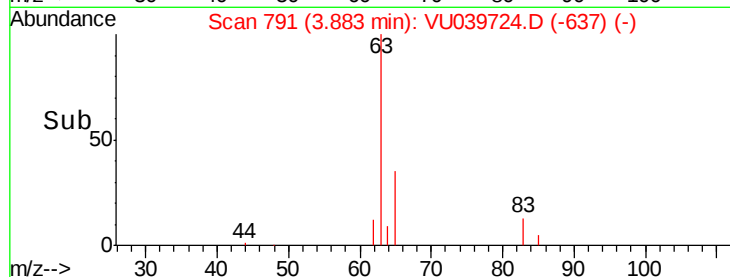


Abundance Ion 63.00 (62.70 to 63.70): VU039699.D (-772) (-)

Ion 98.00 (97.70 to 98.70): VU039699.D (-772) (-)

Ion 100.00 (99.70 to 100.70): VU039699.D (-772) (-)

Time-->

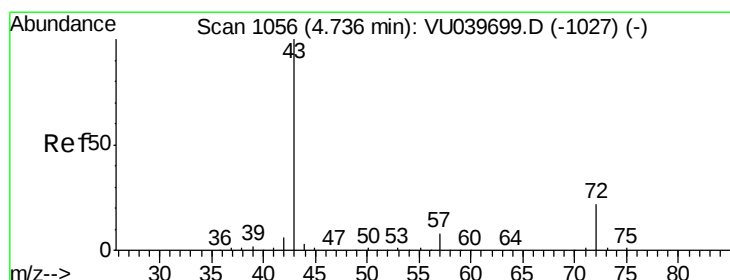


Abundance Ion 63.00 (62.70 to 63.70): VU039724.D (-637) (-)

Ion 98.00 (97.70 to 98.70): VU039724.D (-637) (-)

Ion 100.00 (99.70 to 100.70): VU039724.D (-637) (-)

Time-->



#18

2-Butanone

Concen: 1.648 ug/l

RT: 4.75 min Scan# 1062

Delta R.T. 0.02 min

Lab File: VU039724.D

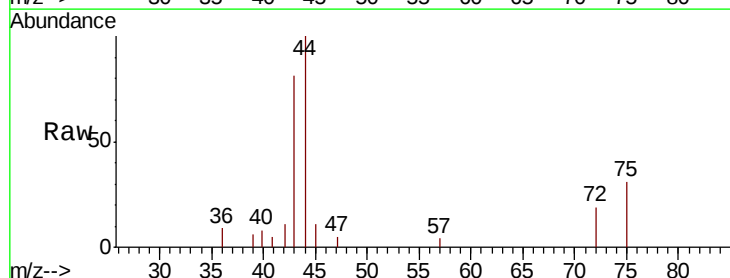
Acq: 30 Jul 2020 16:59

Tgt Ion: 43 Resp: 5503

Ion Ratio Lower Upper

43 100

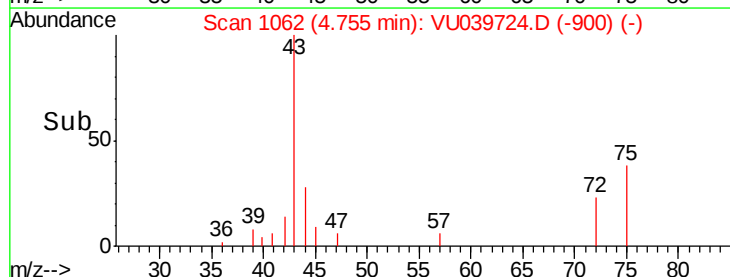
57 6.0 0.0 15.2



Abundance Ion 43.00 (42.70 to 43.70): VU039699.D (-1027) (-)

Ion 57.00 (56.70 to 57.70): VU039699.D (-1027) (-)

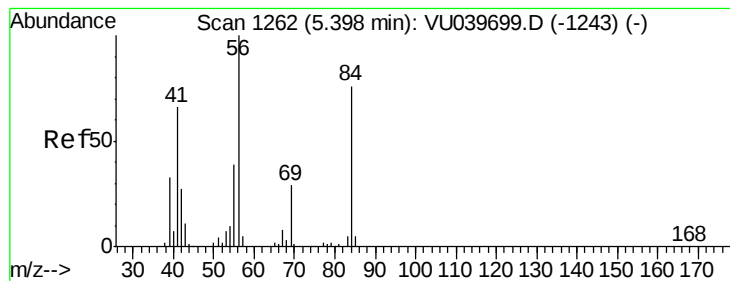
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VU039724.D (-900) (-)

Ion 57.00 (56.70 to 57.70): VU039724.D (-900) (-)

Time-->



#19

Cyclohexane

Concen: 0.327 ug/l

RT: 5.39 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

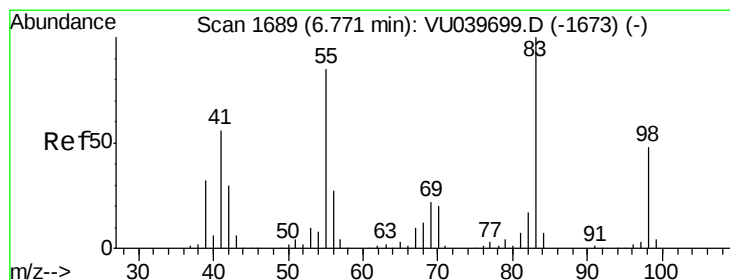
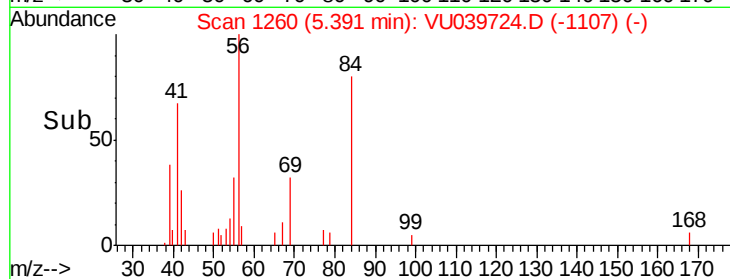
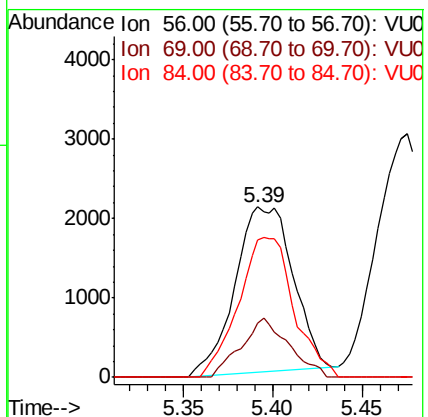
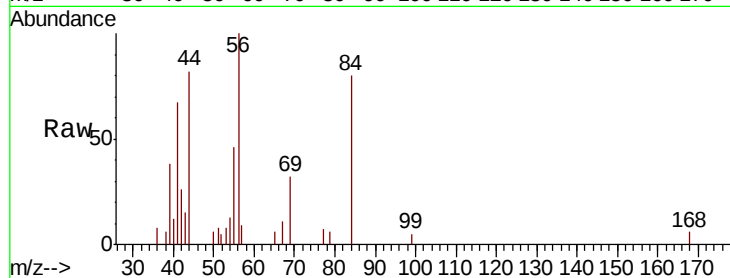
Tot Ion: 56 Resp: 4752

Ion Ratio Lower Upper

56 100

69 29.1 22.8 34.2

84 79.9 59.9 89.9



#20

Methylcyclohexane

Concen: 0.302 ug/l

RT: 6.77 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

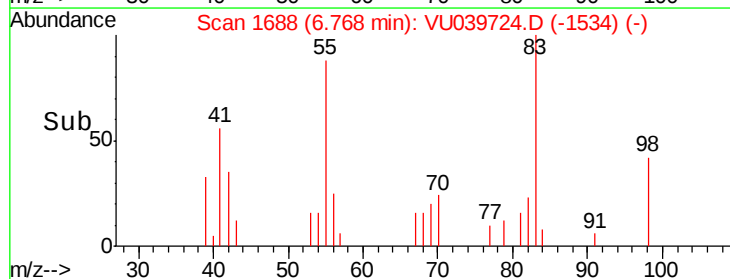
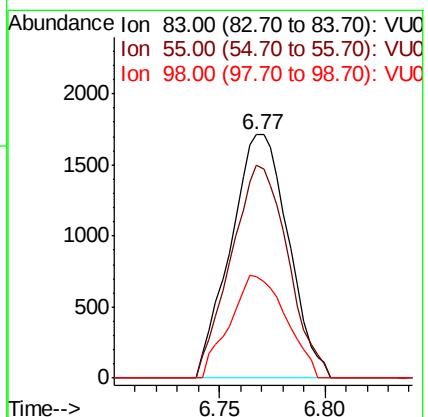
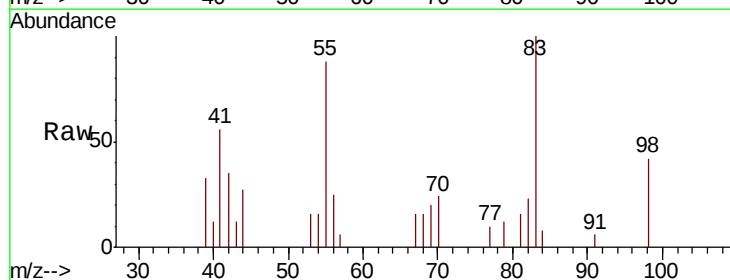
Tgt Ion: 83 Resp: 3254

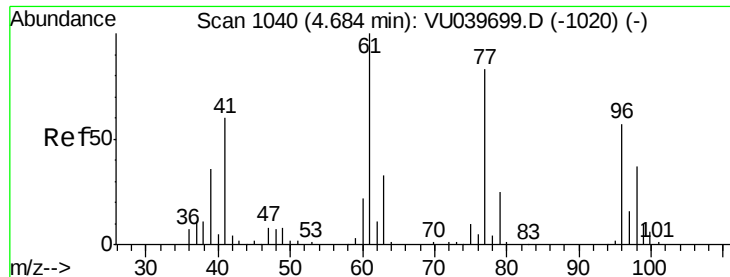
Ion Ratio Lower Upper

83 100

55 86.4 67.6 101.4

98 40.9 37.3 55.9

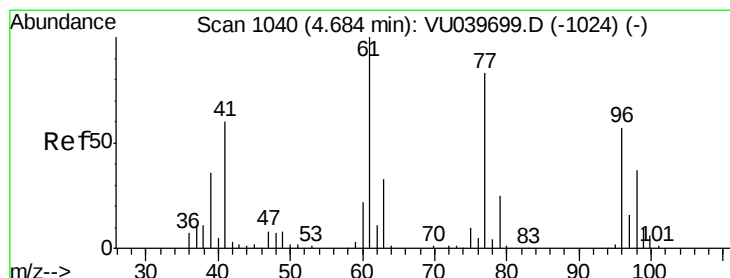
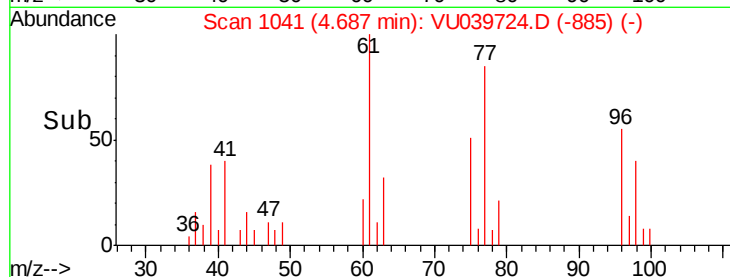
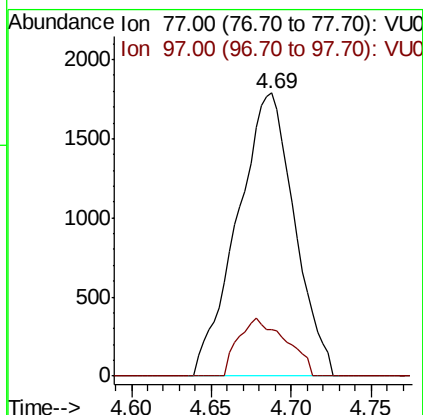
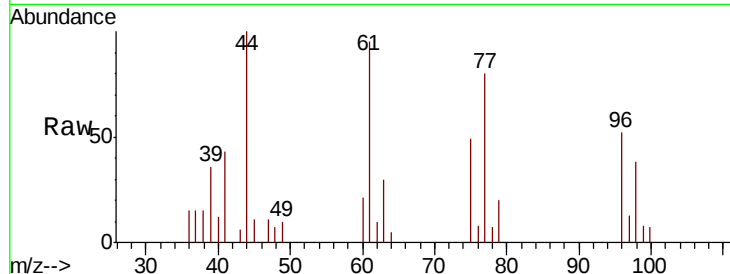




#21
 2,2-Dichloropropane
 Concen: 0.360 ug/l
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

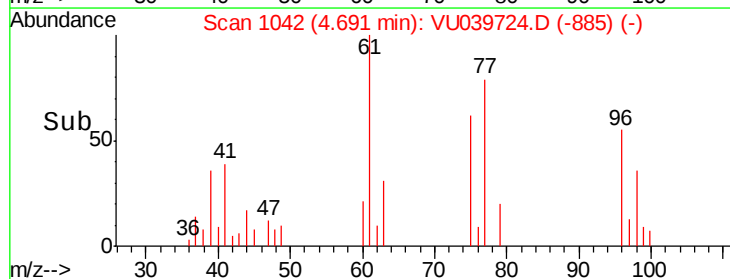
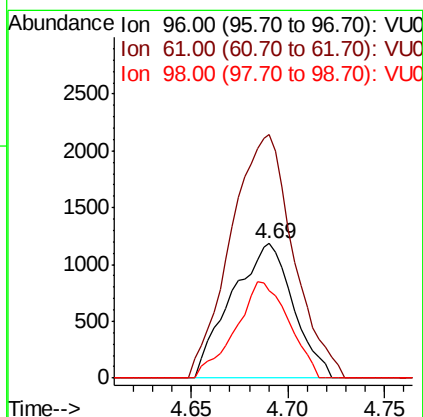
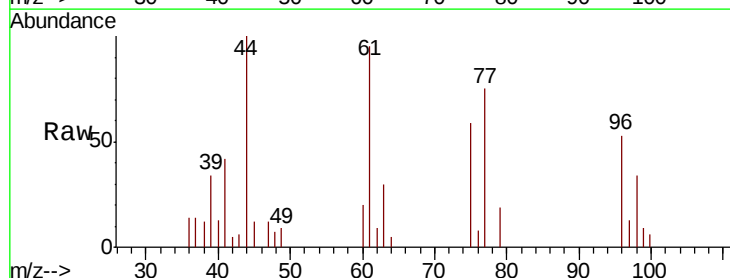
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

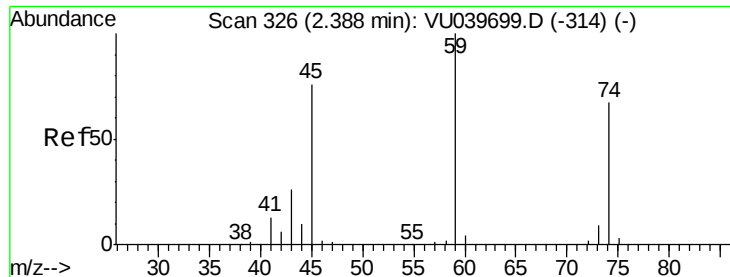
Tot Ion: 77 Resp: 4404
 Ion Ratio Lower Upper
 77 100
 97 17.1 15.2 22.8



#22
 cis-1,2-Dichloroethene
 Concen: 0.357 ug/l
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

Tgt Ion: 96 Resp: 2628
 Ion Ratio Lower Upper
 96 100
 61 183.1 0.0 451.3
 98 61.9 32.6 98.0

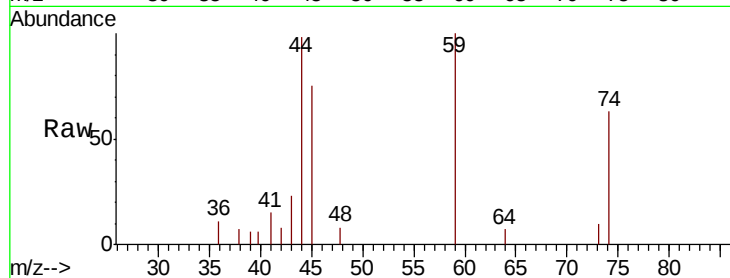




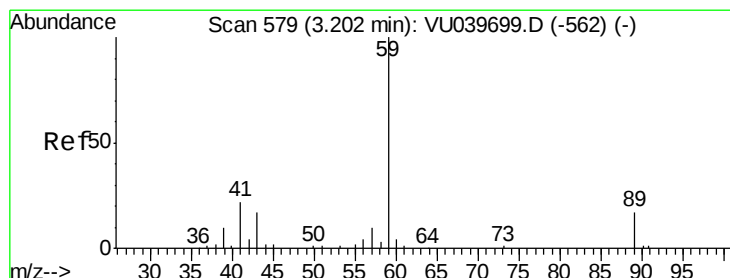
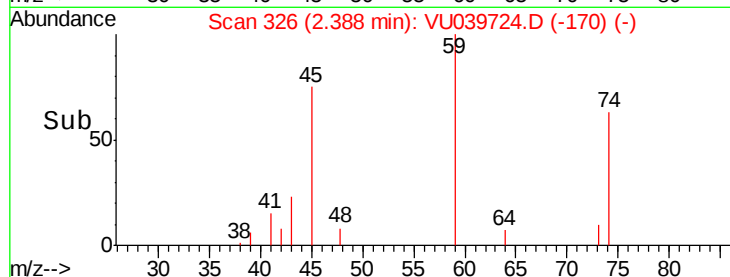
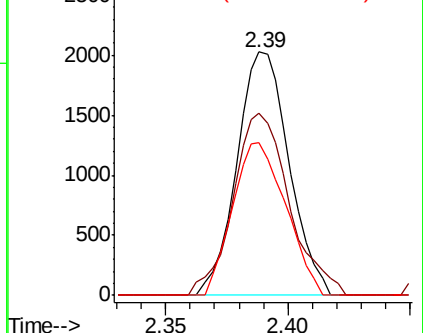
#23
Diethyl Ether
Concen: 0.487 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 59 Resp: 2990
Ion Ratio Lower Upper
59 100
45 81.1 61.5 92.3
74 64.3 54.3 81.5

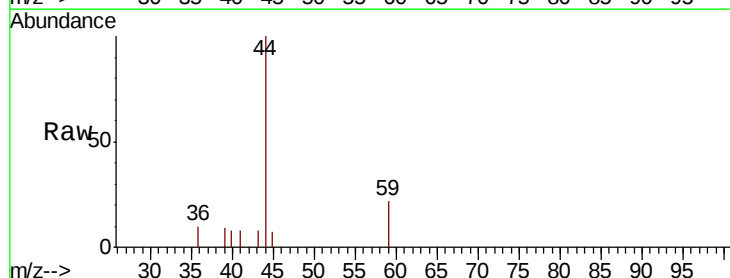


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

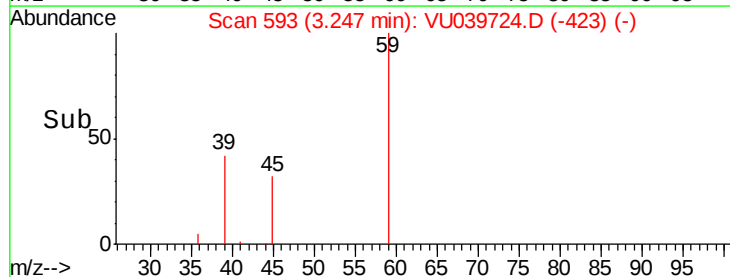
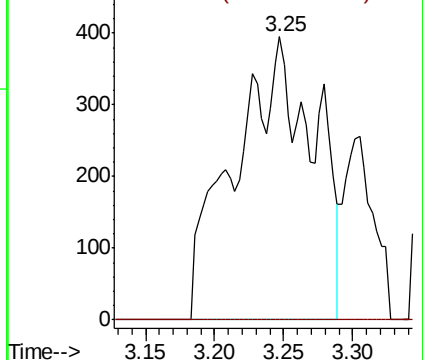


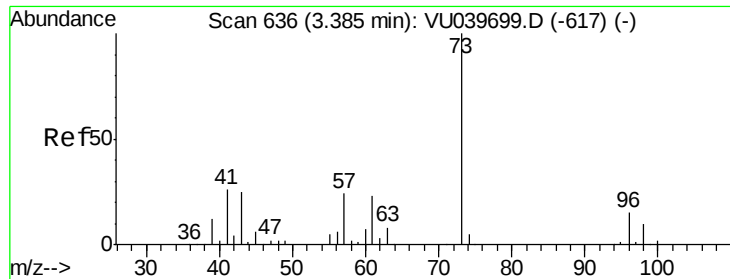
#24
tert-Butyl Alcohol
Concen: 1.445 ug/l m
RT: 3.25 min Scan# 593
Delta R.T. 0.05 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Tgt Ion: 59 Resp: 1582
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



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



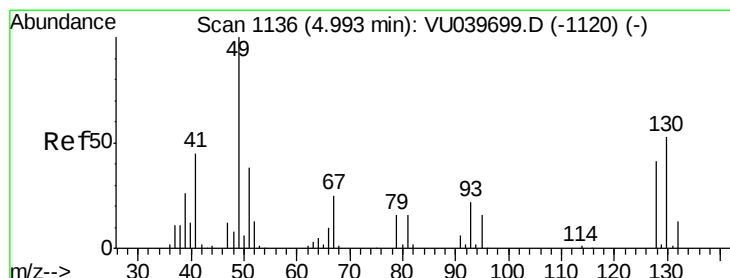
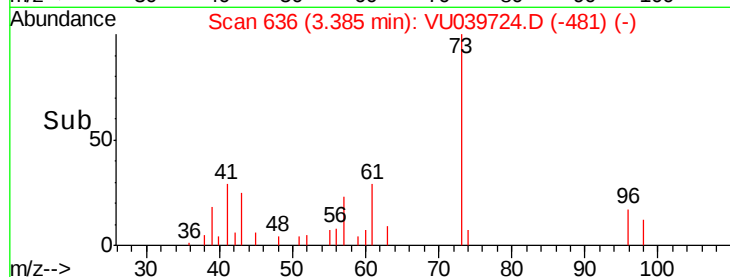
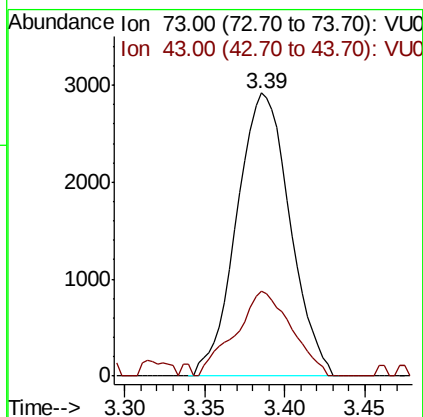
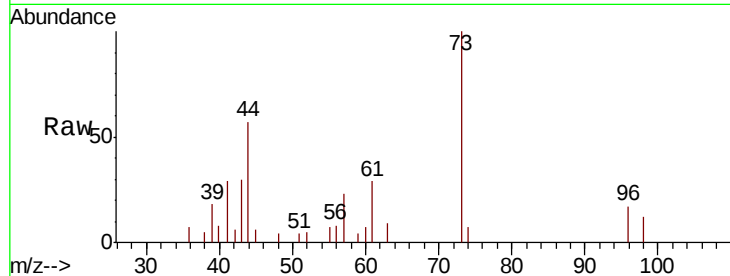


#25

Methyl tert-Butyl Ether
 Concen: 0.339 ug/l
 RT: 3.39 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

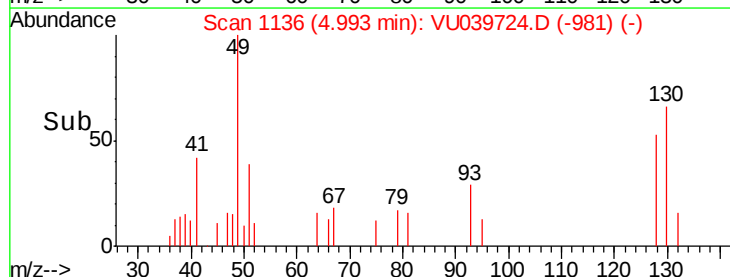
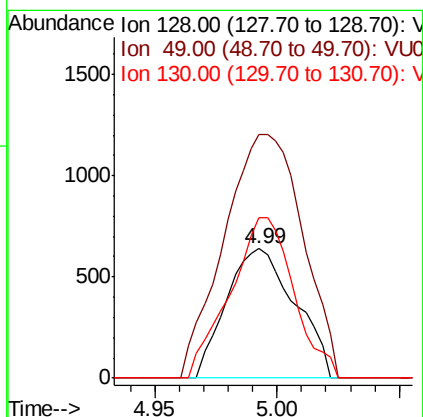
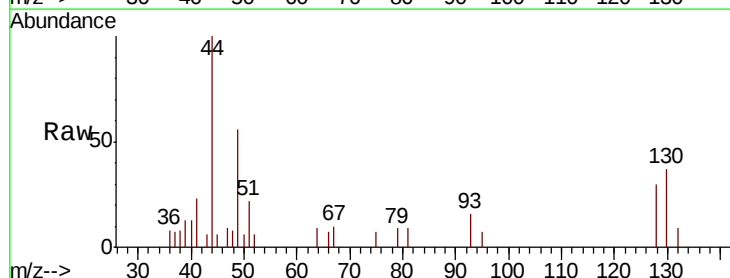
Tot Ion: 73 Resp: 6656
 Ion Ratio Lower Upper
 73 100
 43 31.6 20.1 30.1#

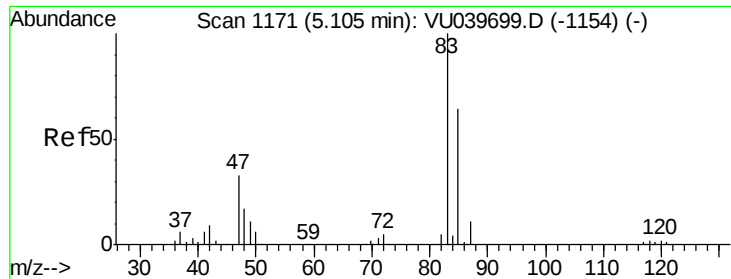


#26

Bromochloromethane
 Concen: 0.413 ug/l
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

Tgt Ion: 128 Resp: 1244
 Ion Ratio Lower Upper
 128 100
 49 216.1 0.0 503.8
 130 115.0 102.7 154.1

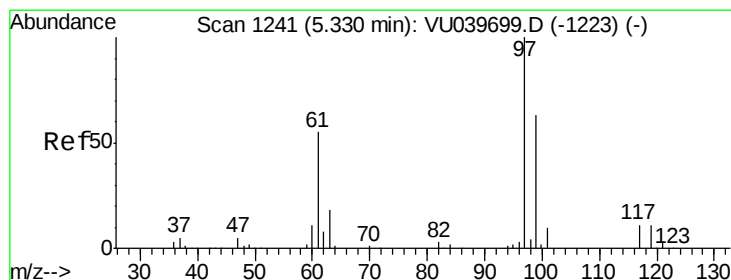
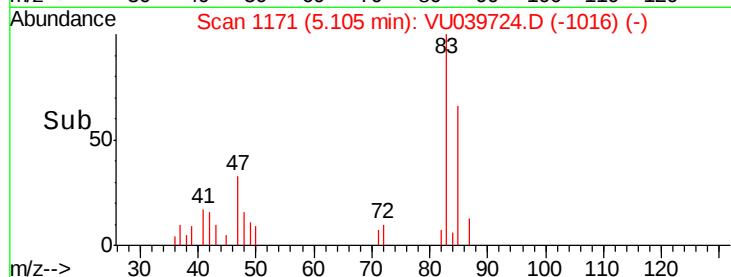
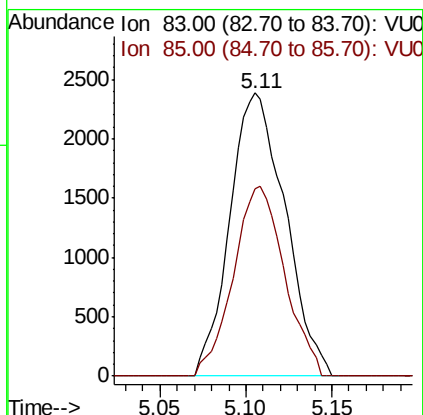
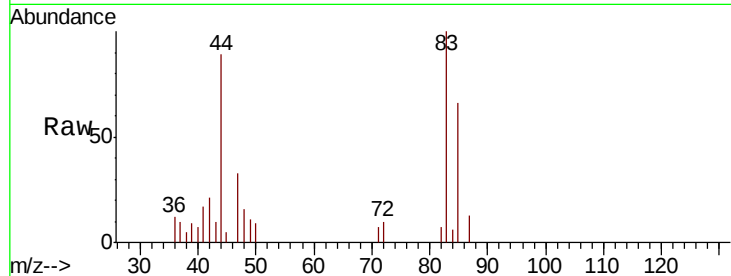




#27
Chloroform
Concen: 0.378 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

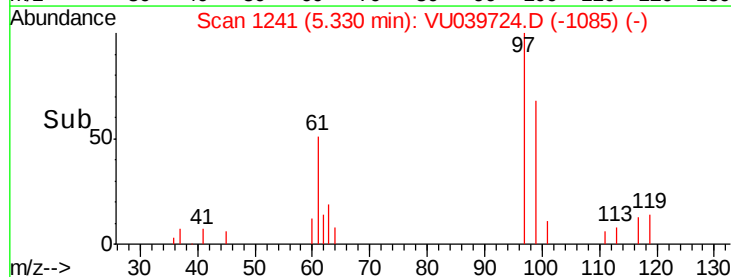
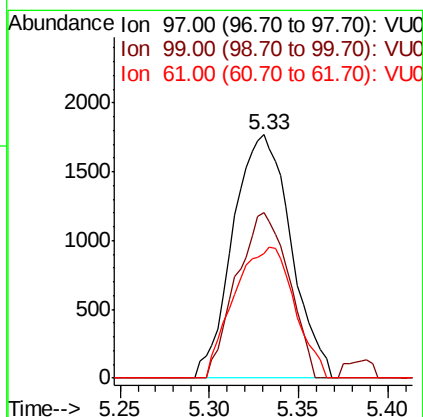
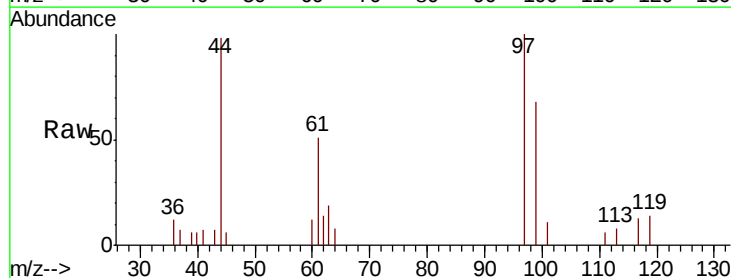
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

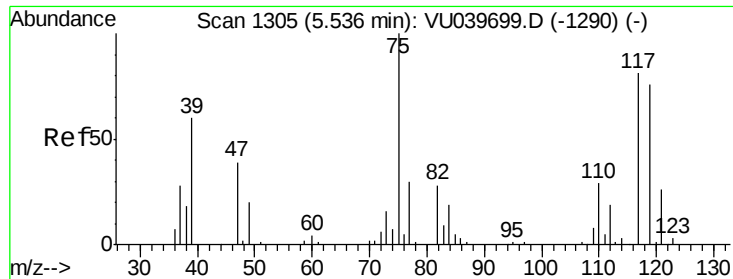
Tot Ion: 83 Resp: 5310
Ion Ratio Lower Upper
83 100
85 66.1 0.0 128.8



#28
1,1,1-Trichloroethane
Concen: 0.352 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Tgt Ion: 97 Resp: 3999
Ion Ratio Lower Upper
97 100
99 61.5 32.2 96.6
61 56.0 28.3 85.0

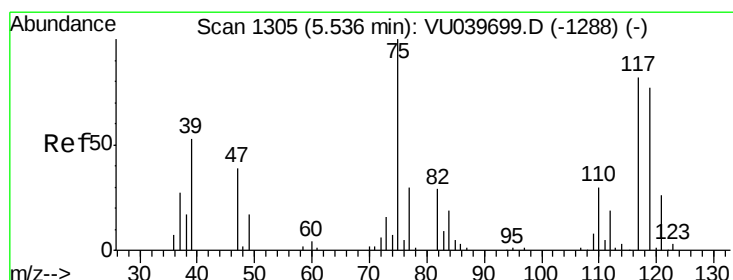
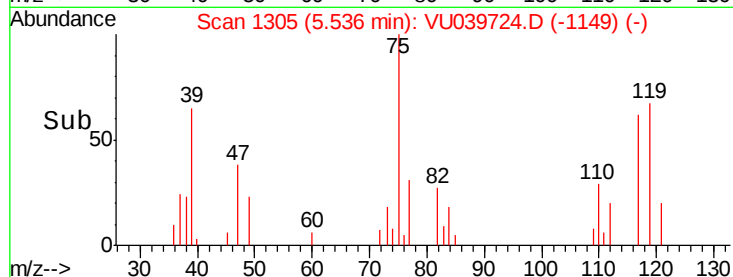
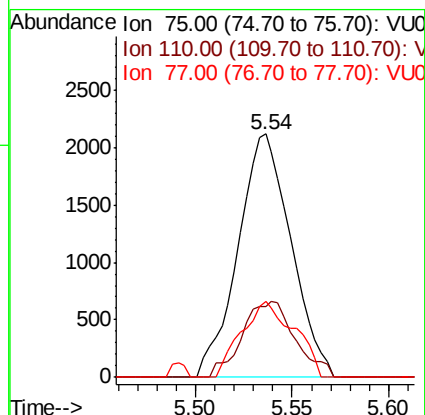
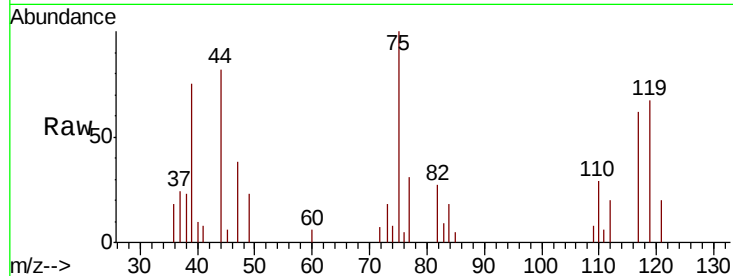




#29
 1,1-Dichloropropene
 Concen: 0.368 ug/l
 RT: 5.54 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

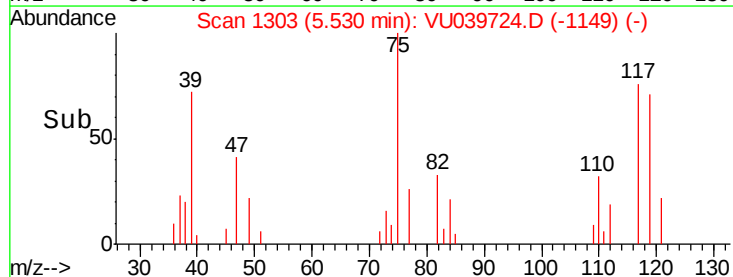
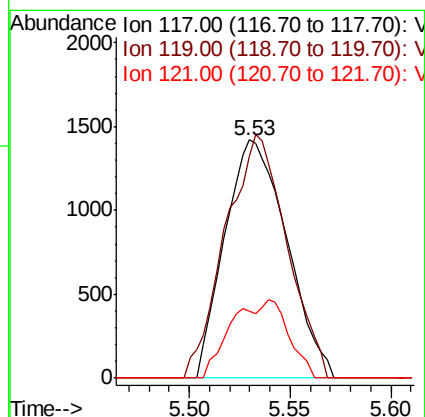
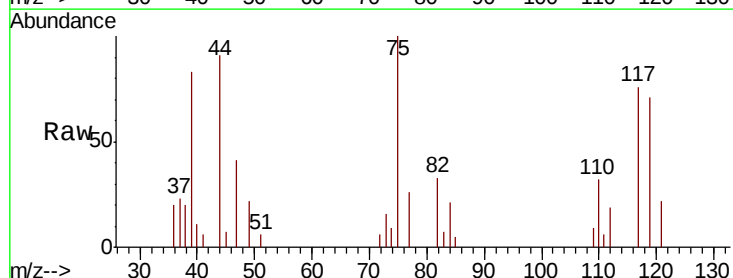
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

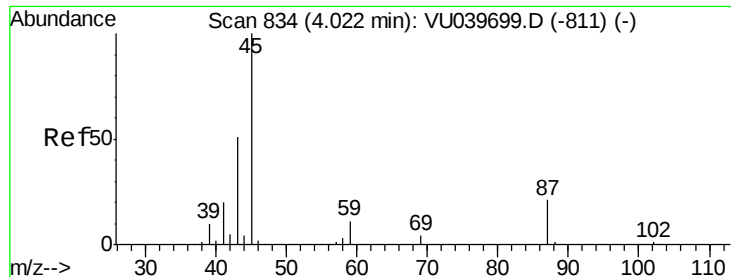
Tot Ion: 75 Resp: 4031
 Ion Ratio Lower Upper
 75 100
 110 31.2 14.6 44.0
 77 31.2 25.0 37.4



#30
 Carbon Tetrachloride
 Concen: 0.327 ug/l
 RT: 5.53 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

Tgt Ion: 117 Resp: 3037
 Ion Ratio Lower Upper
 117 100
 119 93.1 75.2 112.8
 121 28.3 25.4 38.2





#31

Isopropyl Ether

Concen: 0.362 ug/l

RT: 4.02 min Scan# 834

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

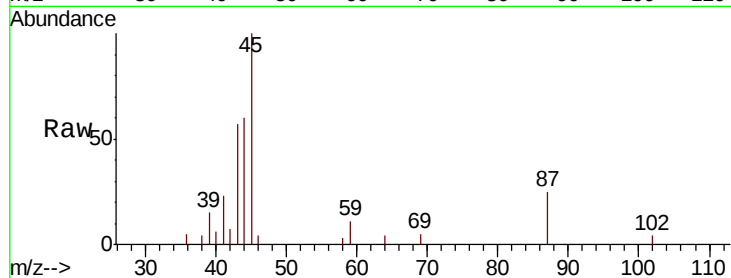
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 45 Resp: 9900

Ion Ratio Lower Upper

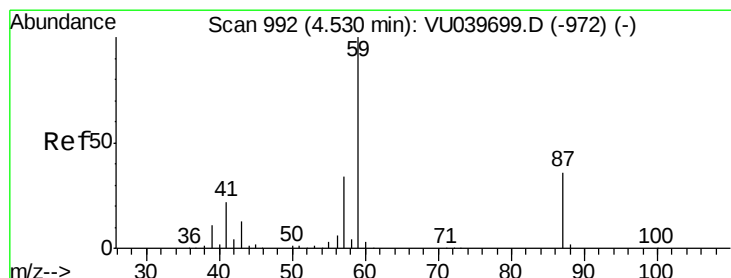
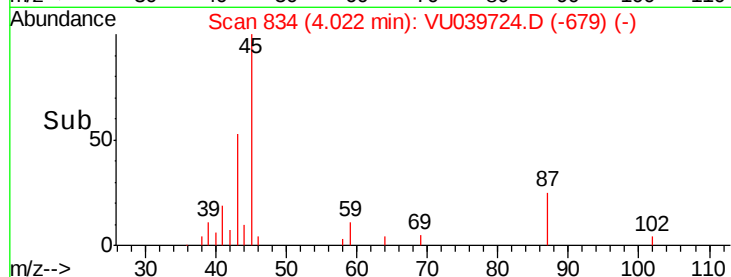
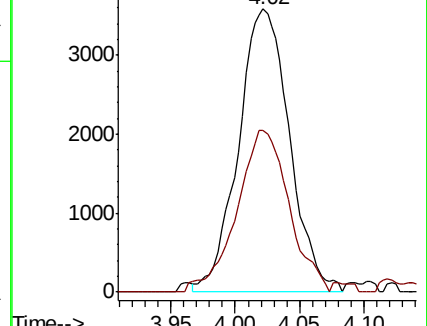
45 100

43 58.2 26.5 79.4



Abundance Ion 45.00 (44.70 to 45.70): VU039724.D (-836) (-)

Ion 43.00 (42.70 to 43.70): VU039724.D (-836) (-)



#32

Ethyl-t-butyl ether

Concen: 0.340 ug/l

RT: 4.54 min Scan# 994

Delta R.T. 0.01 min

Lab File: VU039724.D

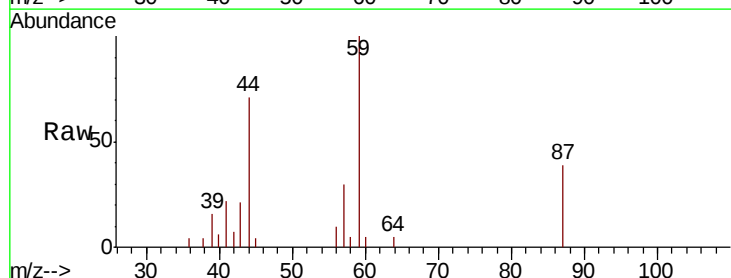
Acq: 30 Jul 2020 16:59

Tgt Ion: 59 Resp: 7916

Ion Ratio Lower Upper

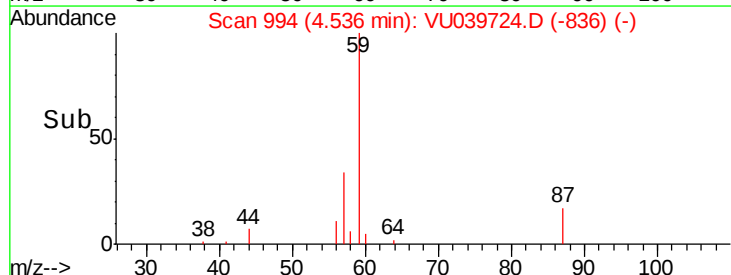
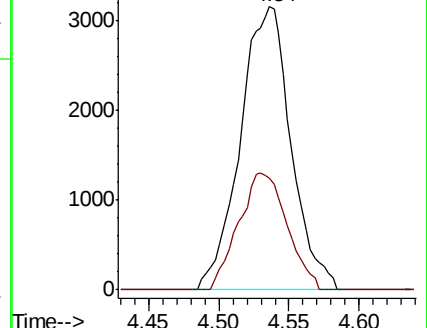
59 100

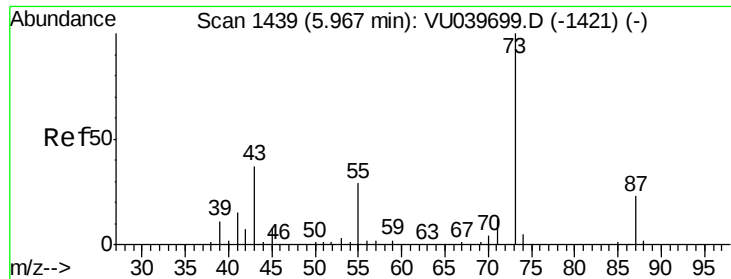
87 39.4 29.4 44.0



Abundance Ion 59.00 (58.70 to 59.70): VU039724.D (-836) (-)

Ion 87.00 (86.70 to 87.70): VU039724.D (-836) (-)

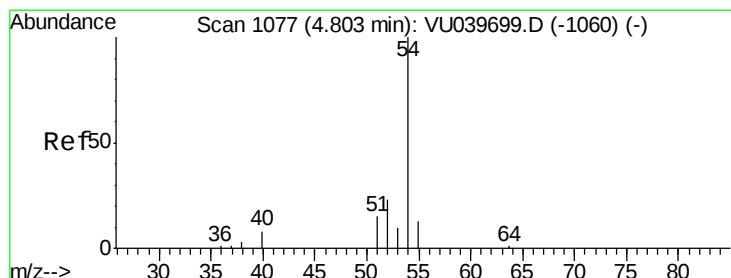
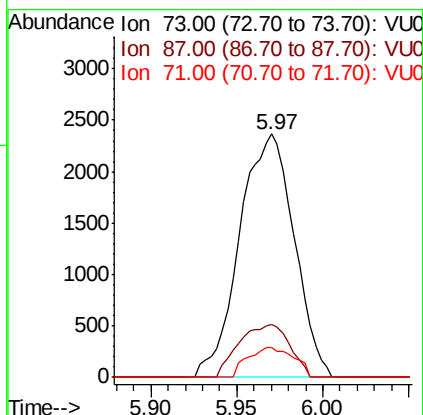
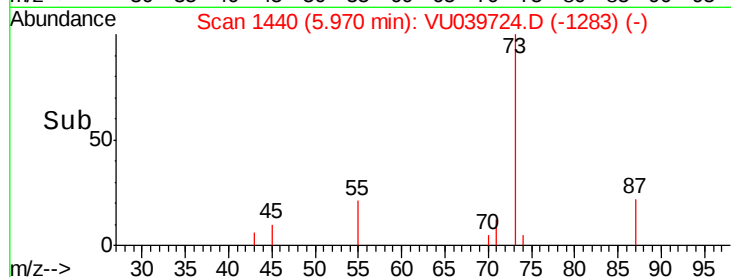
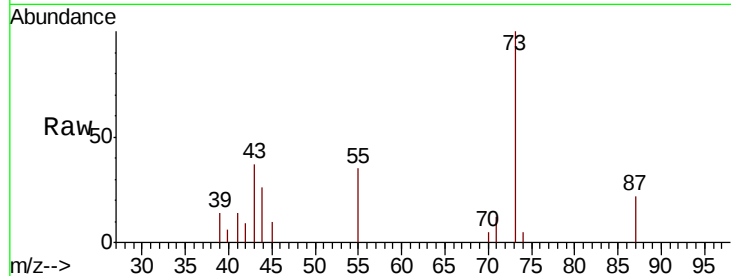




#33
Tert-Amvl methvl ether
Concen: 0.310 ug/l
RT: 5.97 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

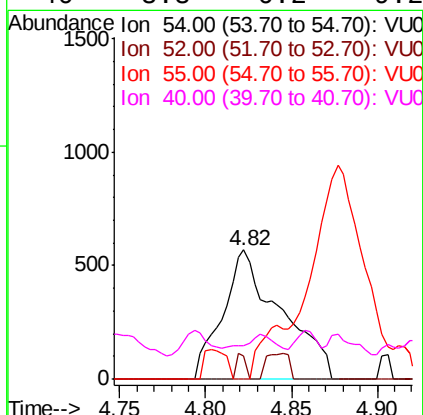
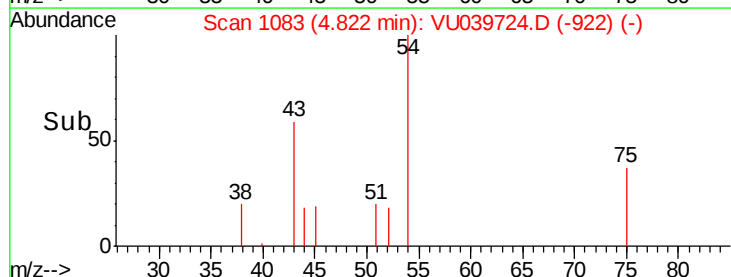
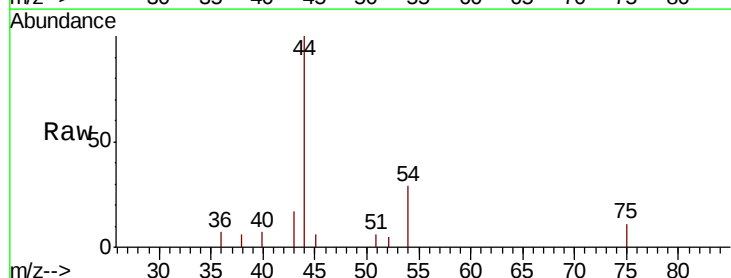
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

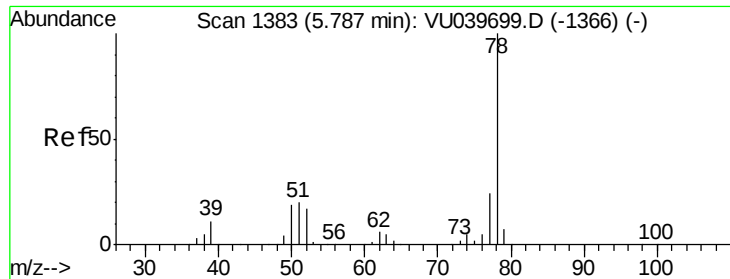
Tot Ion: 73 Resp: 5202
Ion Ratio Lower Upper
73 100
87 20.2 18.7 28.1
71 10.4 9.1 13.7



#34
Propionitrile
Concen: 1.630 ug/l
RT: 4.82 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Tgt Ion: 54 Resp: 1342
Ion Ratio Lower Upper
54 100
52 3.1 16.9 25.3#
55 8.5 12.9 19.3#
40 8.8 6.2 9.2





#35

Benzene

Concen: 0.342 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

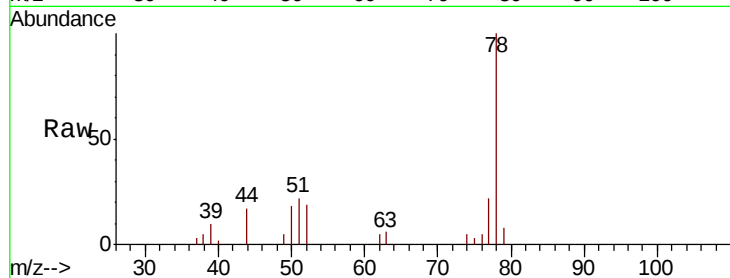
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 78 Resp: 9256

Ion Ratio Lower Upper

78 100

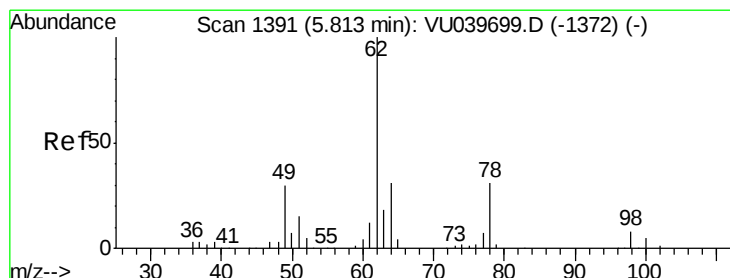
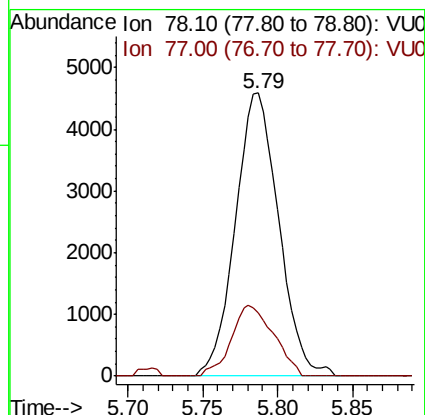
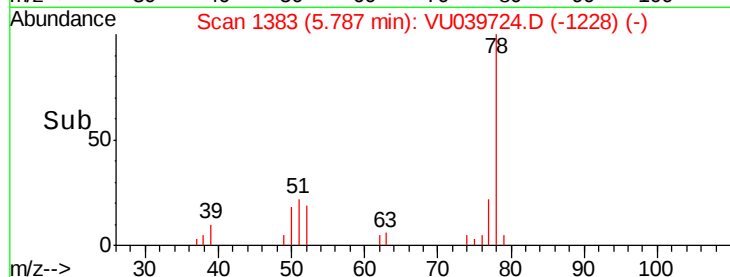
77 22.1 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VU039699.D (-1366) (-)

Ion 77.00 (76.70 to 77.70): VU039724.D (-1228) (-)

5.79



#36

1,2-Dichloroethane

Concen: 0.352 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU039724.D

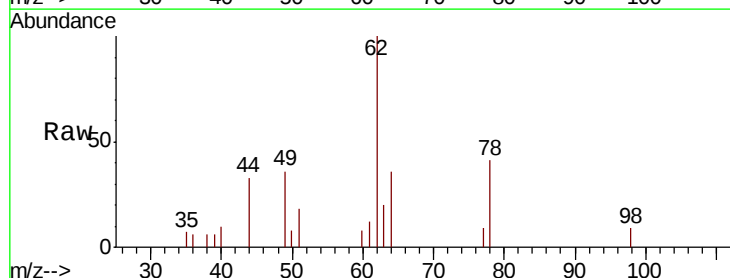
Acq: 30 Jul 2020 16:59

Tgt Ion: 62 Resp: 3569

Ion Ratio Lower Upper

62 100

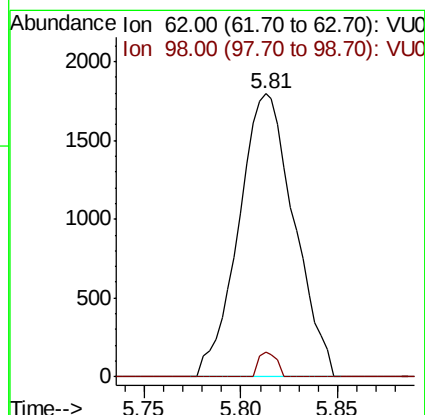
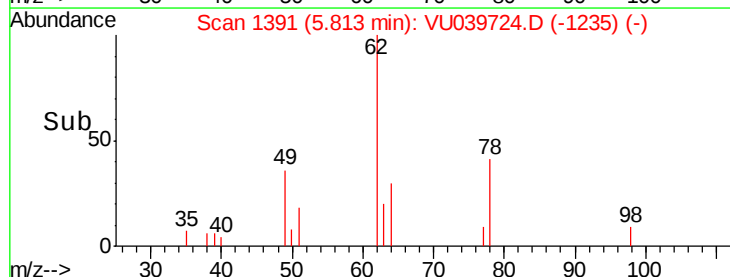
98 2.9 6.2 9.2#

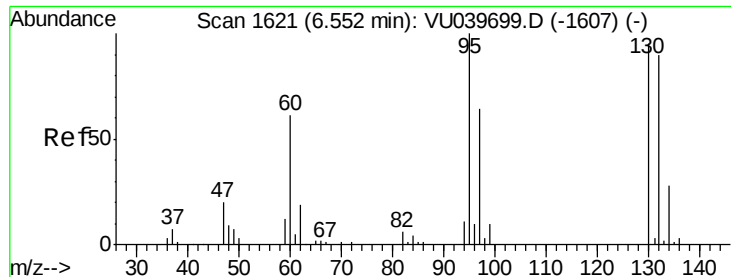


Abundance Ion 62.00 (61.70 to 62.70): VU039699.D (-1372) (-)

Ion 98.00 (97.70 to 98.70): VU039724.D (-1235) (-)

5.81

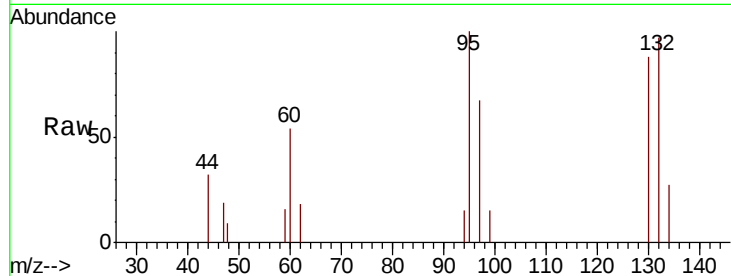




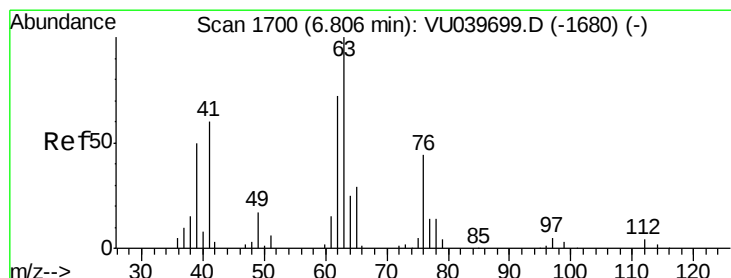
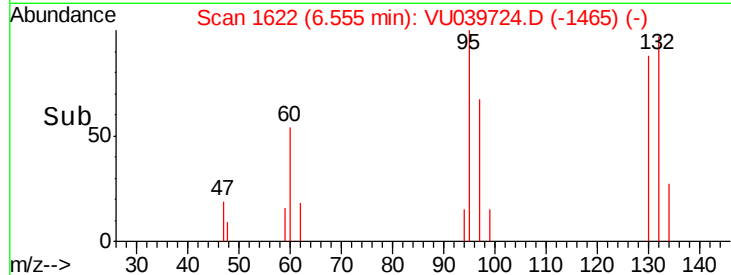
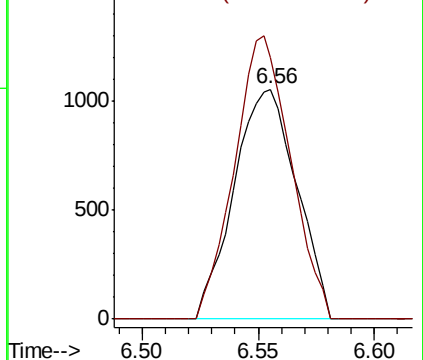
#37
 Trichloroethene
 Concen: 0.320 ug/l
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion:130 Resp: 1979
 Ion Ratio Lower Upper
 130 100
 95 114.0 84.3 126.5

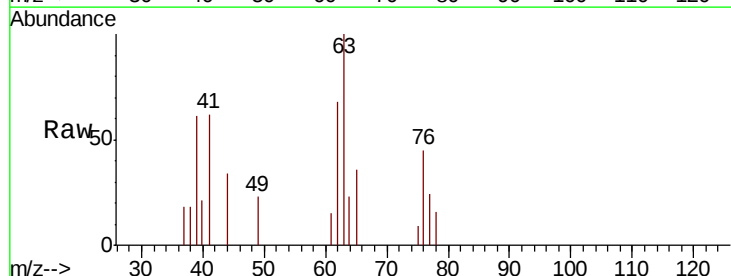


Abundance Ion 129.90 (129.60 to 130.60): VU039699.D (-1607) (-)
 Ion 94.90 (94.60 to 95.60): VU039699.D (-1607) (-)

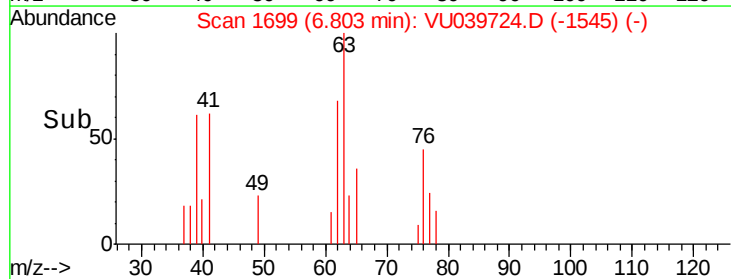
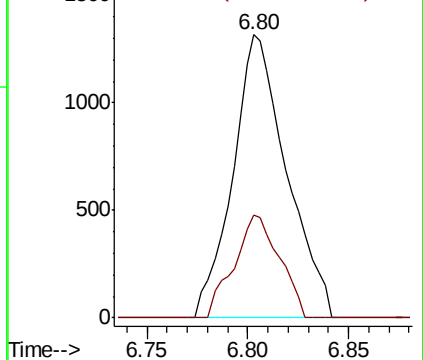


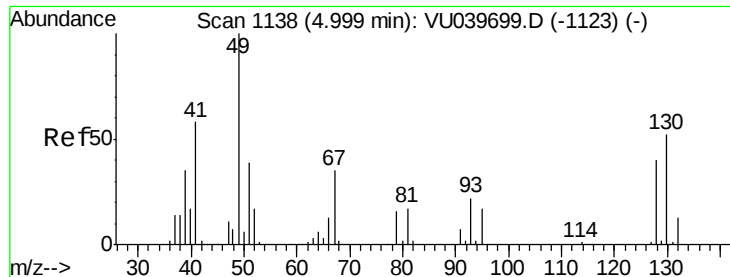
#38
 1,2-Dichloropropane
 Concen: 0.328 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

Tgt Ion: 63 Resp: 2448
 Ion Ratio Lower Upper
 63 100
 65 36.4 23.8 35.6#



Abundance Ion 63.00 (62.70 to 63.70): VU039699.D (-1680) (-)
 Ion 65.00 (64.70 to 65.70): VU039699.D (-1680) (-)

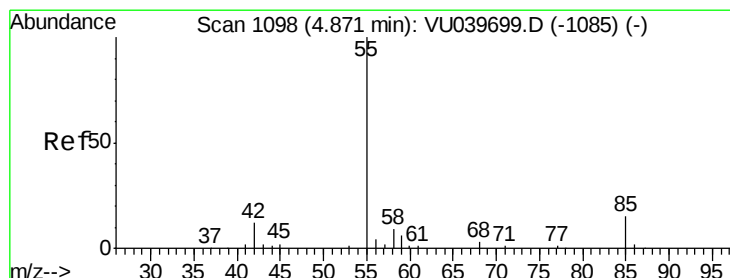
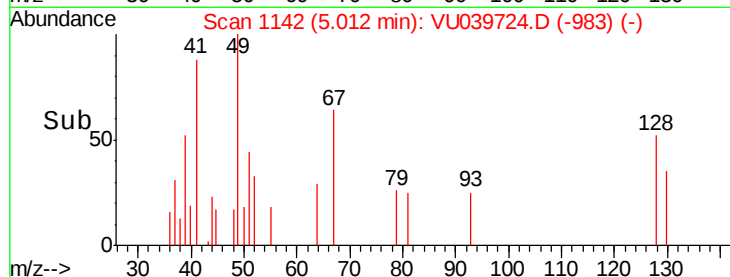
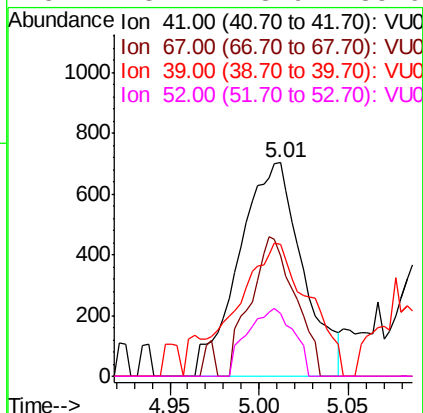
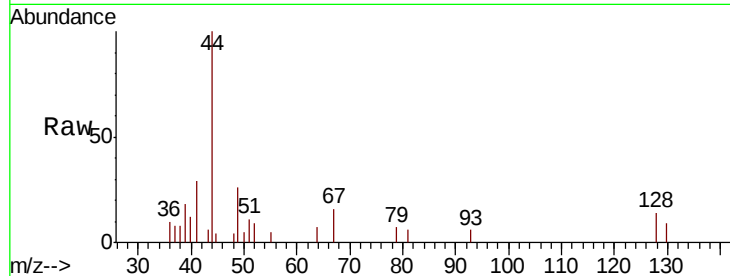




#39
Methacrylonitrile
Concen: 0.404 ug/l
RT: 5.01 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

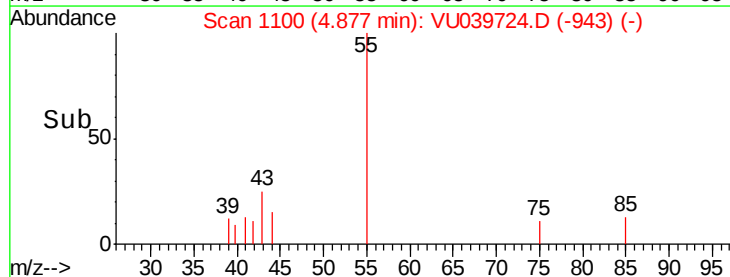
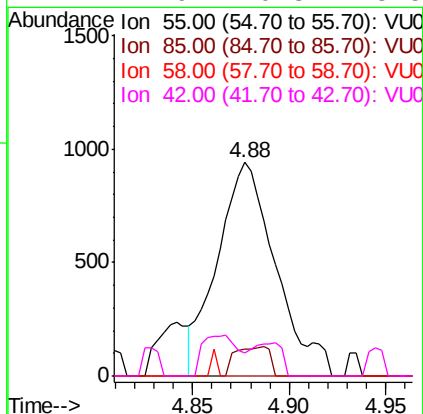
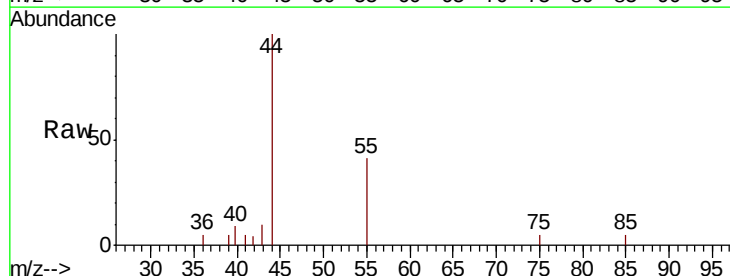
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

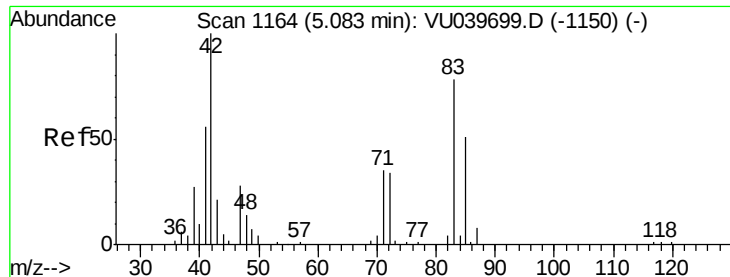
Tot Ion: 41 Resp: 1754
Ion Ratio Lower Upper
41 100
67 46.0 48.3 72.5#
39 67.4 47.6 71.4
52 23.2 23.9 35.9#



#40
Methyl acrylate
Concen: 0.352 ug/l
RT: 4.88 min Scan# 1100
Delta R.T. 0.01 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Tgt Ion: 55 Resp: 1970
Ion Ratio Lower Upper
55 100
85 8.1 11.4 17.0#
58 0.0 7.4 11.0#
42 7.9 10.3 15.5#





#41

Tetrahydrofuran

Concen: 0.560 ug/l m

RT: 5.09 min Scan# 1166

Delta R.T. 0.01 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

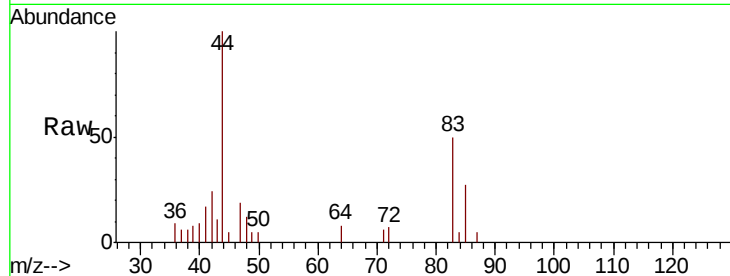
Tot Ion: 42 Resp: 1223

Ion Ratio Lower Upper

42 100

72 17.3 31.0 46.6#

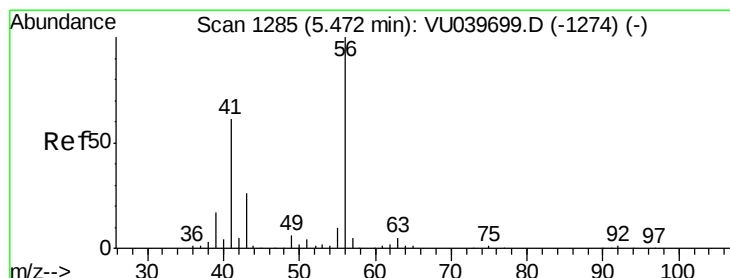
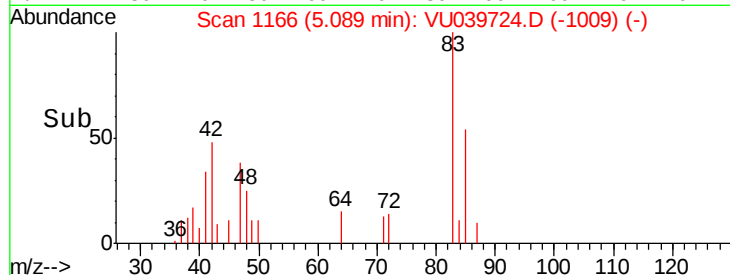
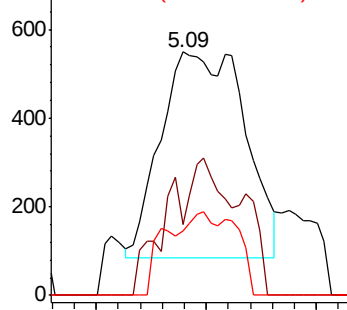
71 8.7 28.2 42.4#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 0.358 ug/l

RT: 5.48 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU039724.D

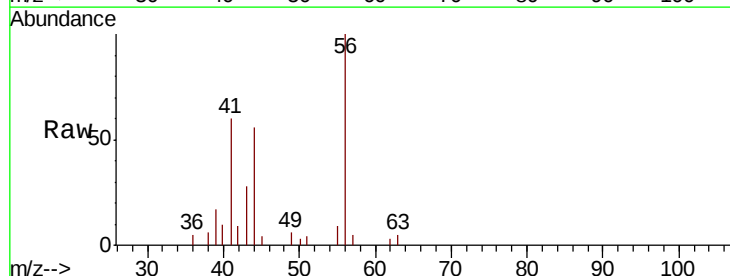
Acq: 30 Jul 2020 16:59

Tgt Ion: 56 Resp: 6140

Ion Ratio Lower Upper

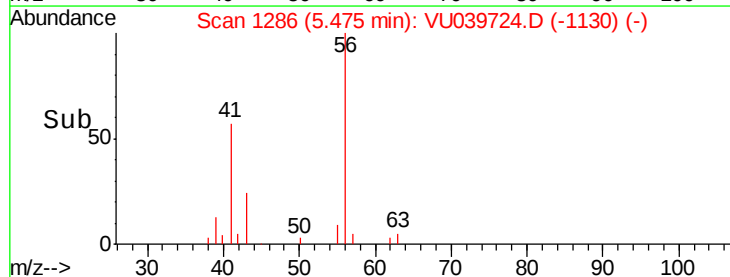
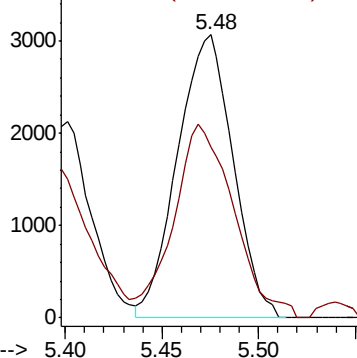
56 100

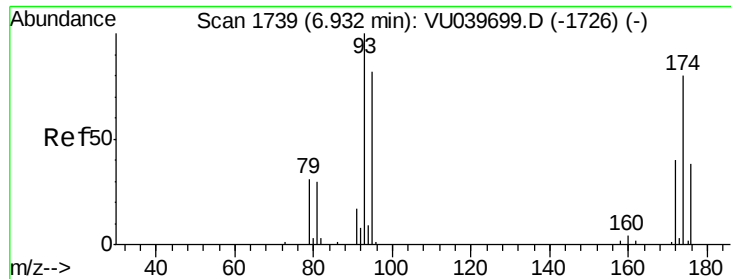
41 73.2 30.5 91.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

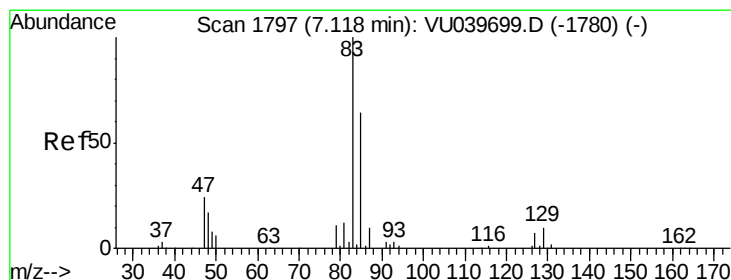
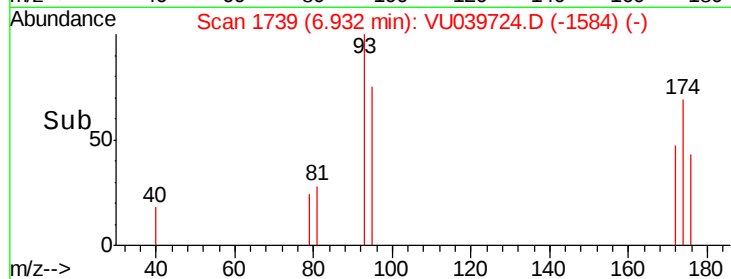
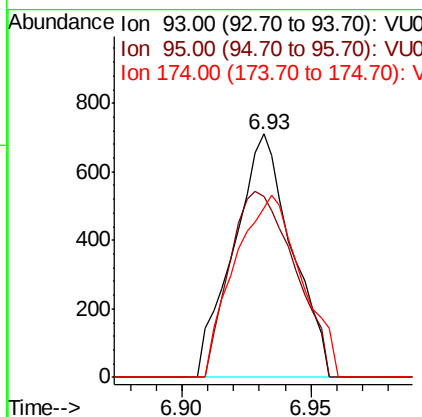
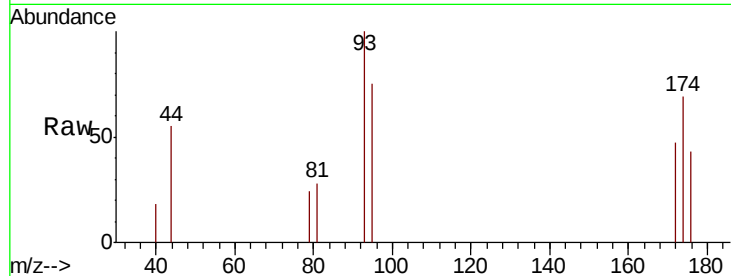




#43
Dibromomethane
Concen: 0.278 ug/l
RT: 6.93 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

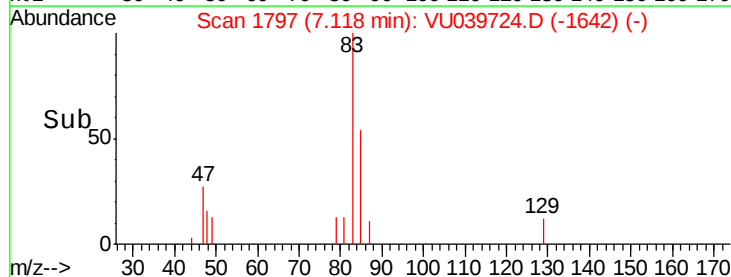
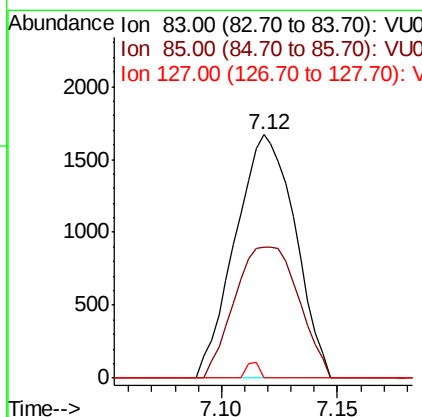
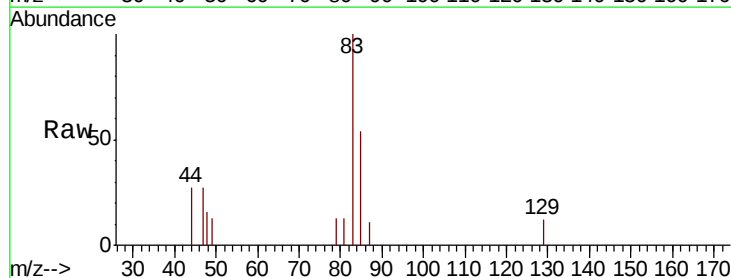
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

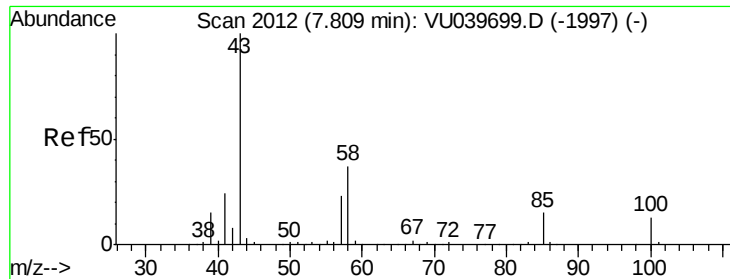
Tot Ion: 93 Resp: 1117
Ion Ratio Lower Upper
93 100
95 85.3 66.6 99.8
174 85.8 62.7 94.1



#44
Bromodichloromethane
Concen: 0.325 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Tgt Ion: 83 Resp: 2995
Ion Ratio Lower Upper
83 100
85 53.9 50.8 76.2
127 0.0 5.8 8.6#

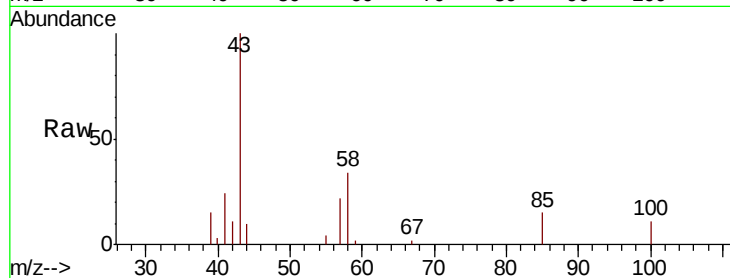




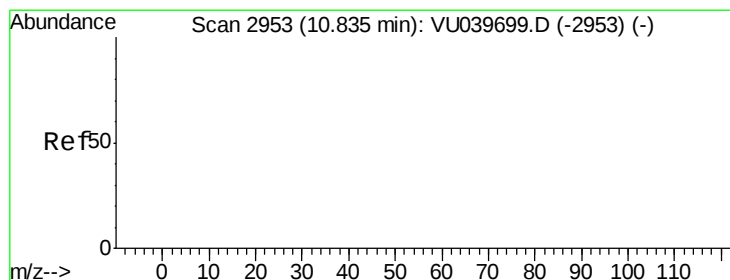
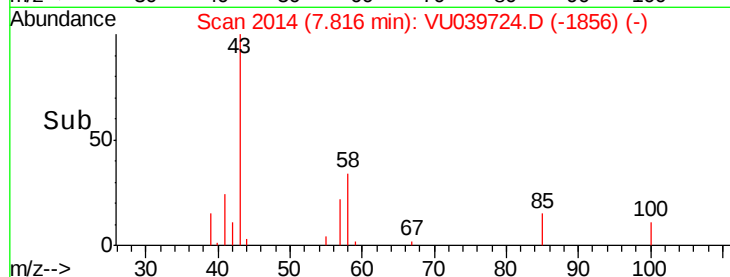
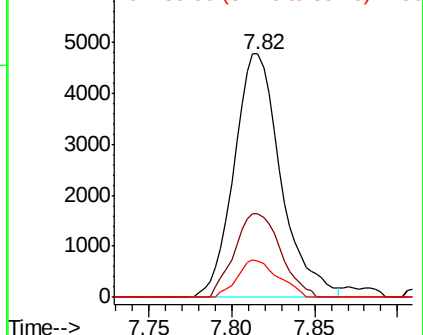
#45
4-Methyl-2-Pentanone
Concen: 1.543 ug/l
RT: 7.82 min Scan# 2014
Delta R.T. 0.01 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 9384
Ion Ratio Lower Upper
43 100
58 33.9 18.4 55.0
85 13.3 11.8 17.6

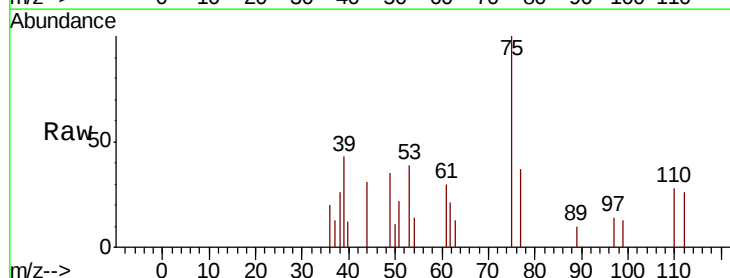


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

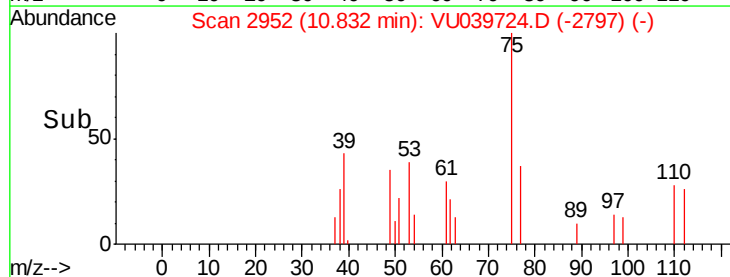
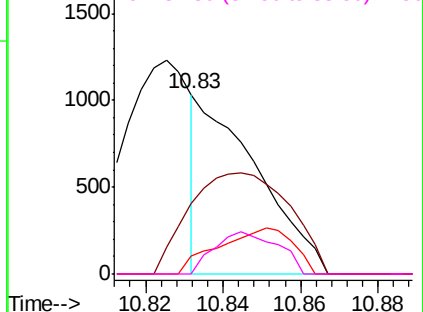


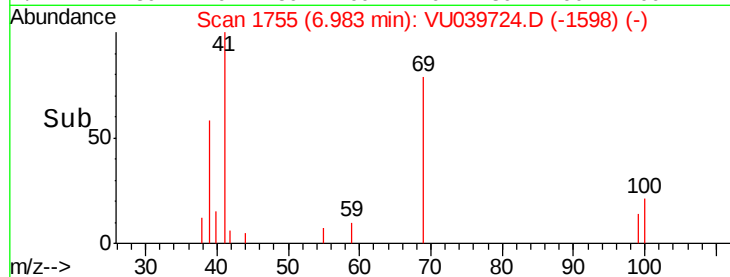
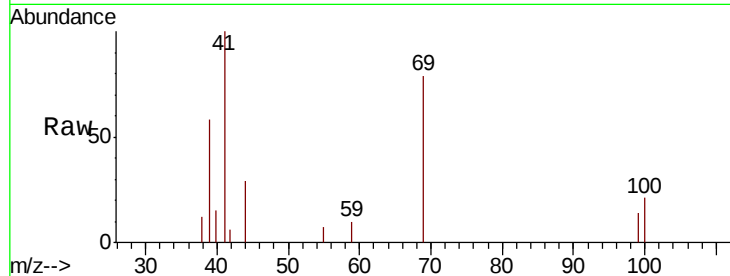
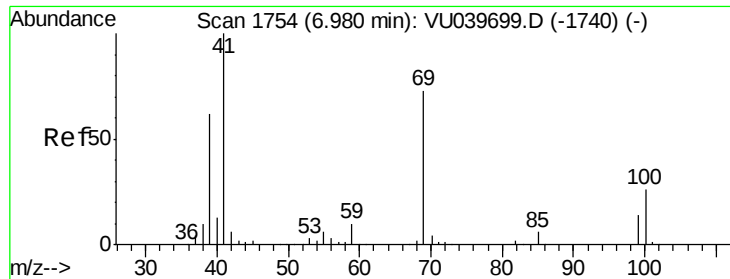
#46
t-1,4-Dichloro-2-butene
Concen: 0.600 ug/l m
RT: 10.83 min Scan# 2952
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Tgt Ion: 75 Resp: 1086
Ion Ratio Lower Upper
75 100
53 96.3 78.6 118.0
89 32.3 40.3 60.5#
88 25.2 34.0 51.0#



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

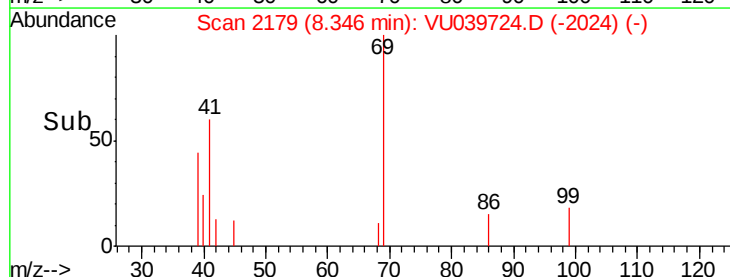
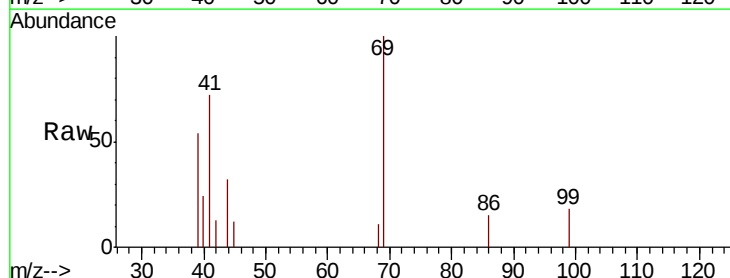
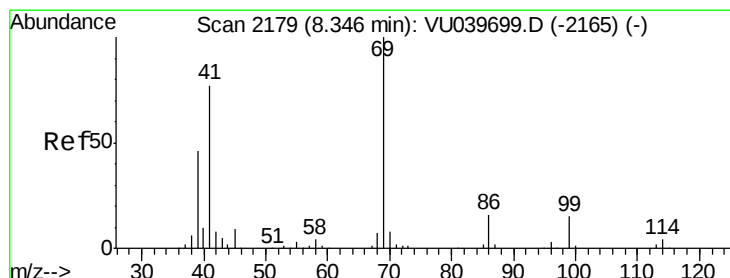
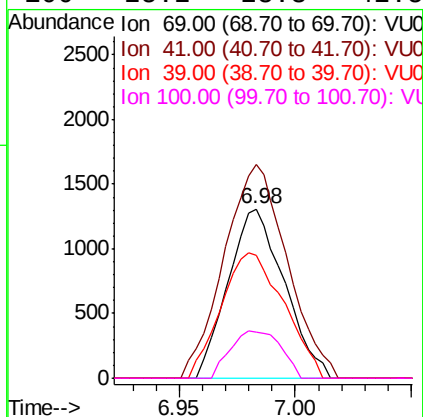




#47
Methyl methacrylate
Concen: 0.586 ug/l
RT: 6.98 min Scan# 1755
Delta R.T. 0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

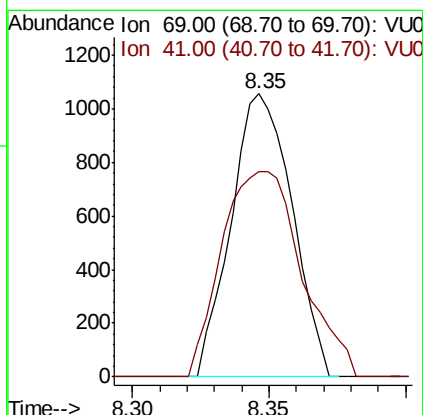
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 69 Resp: 2193
Ion Ratio Lower Upper
69 100
41 142.0 0.0 271.6
39 82.8 67.4 101.2
100 25.2 28.3 42.5#



#48
Ethyl methacrylate
Concen: 0.237 ug/l
RT: 8.35 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Tgt Ion: 69 Resp: 1635
Ion Ratio Lower Upper
69 100
41 95.2 39.1 117.5





#49

Toluene

Concen: 0.288 ug/l

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

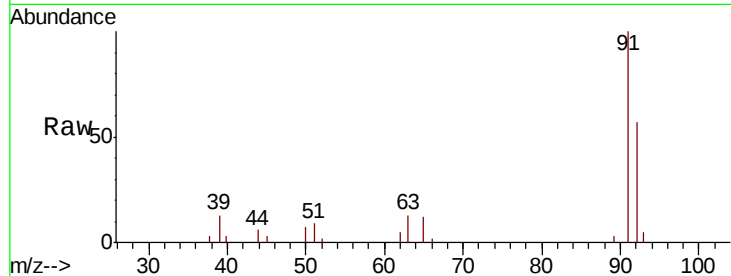
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 92 Resp: 4639

Ion Ratio Lower Upper

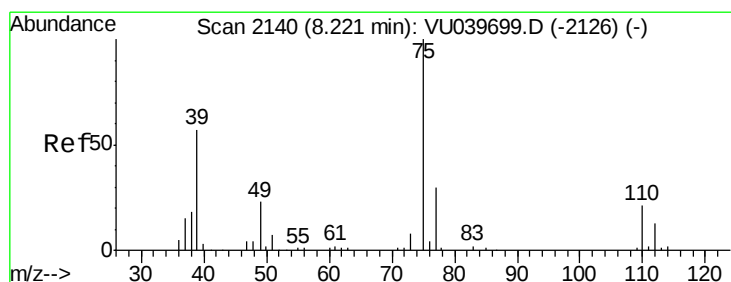
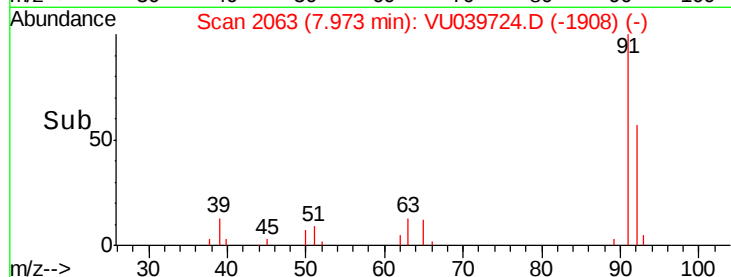
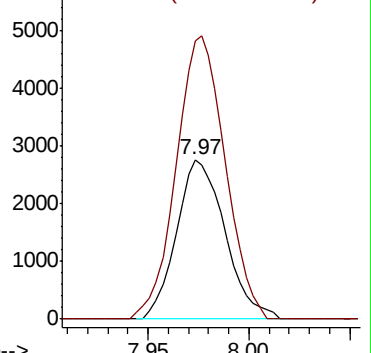
92 100

91 179.1 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VU039724.D (-1908) (-)

Ion 91.00 (90.70 to 91.70): VU039724.D (-1908) (-)



#50

t-1,3-Dichloropropene

Concen: 0.283 ug/l

RT: 8.22 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VU039724.D

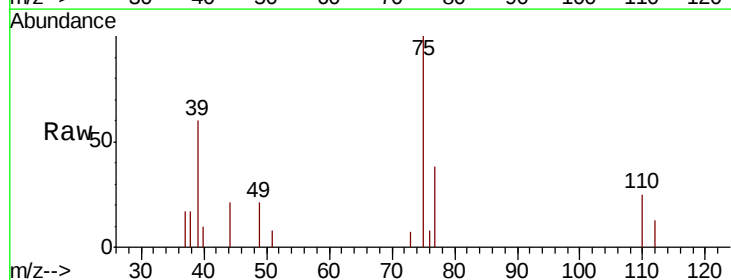
Acq: 30 Jul 2020 16:59

Tgt Ion: 75 Resp: 2349

Ion Ratio Lower Upper

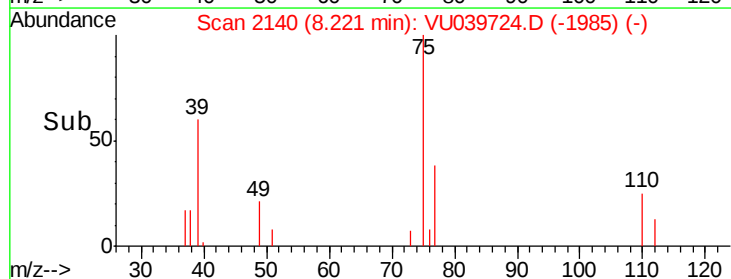
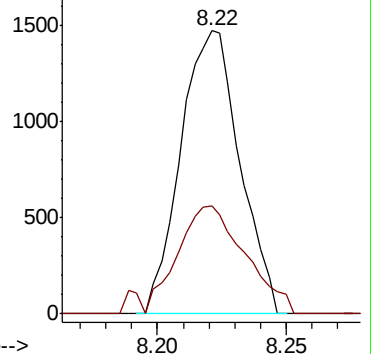
75 100

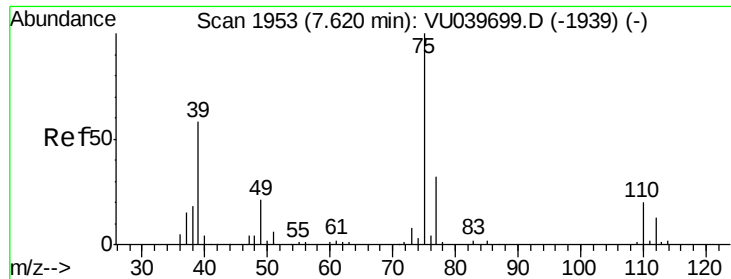
77 31.2 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VU039724.D (-1985) (-)

Ion 77.00 (76.70 to 77.70): VU039724.D (-1985) (-)



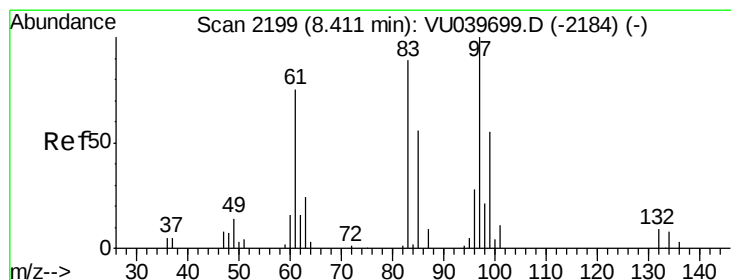
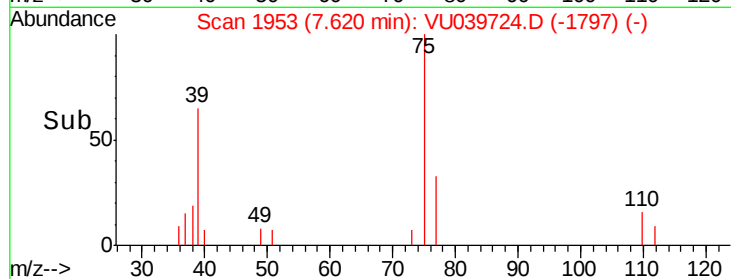
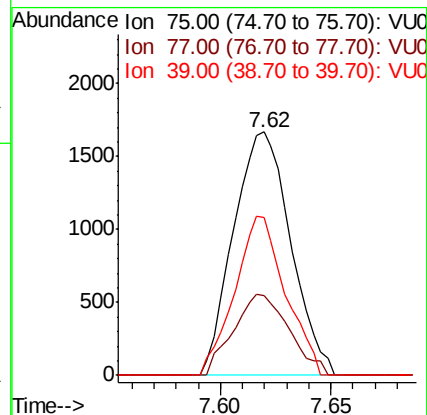
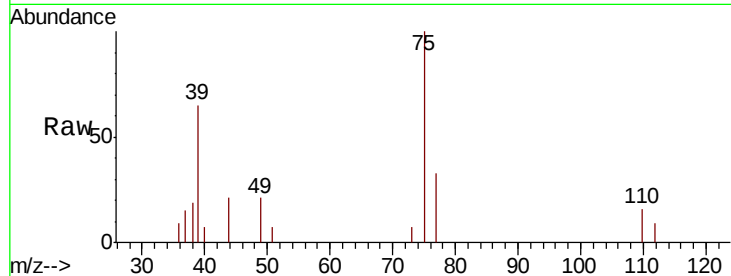


#51

cis-1,3-Dichloropropene
Concen: 0.307 ug/l
RT: 7.62 min Scan# 1953
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

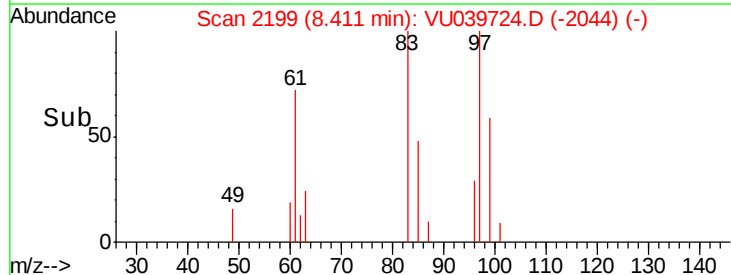
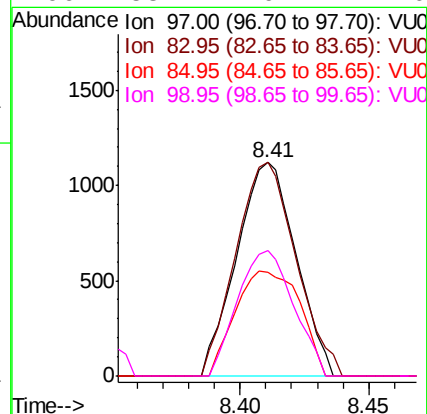
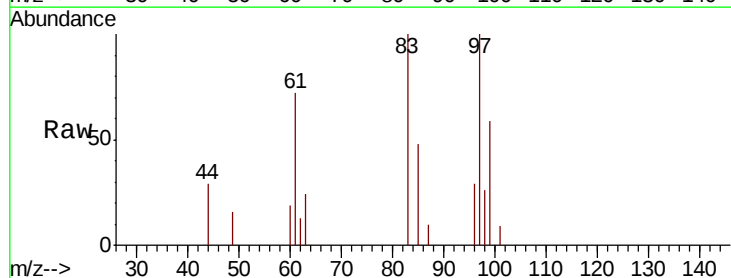
Tot Ion: 75 Resp: 2992
Ion Ratio Lower Upper
75 100
77 32.8 25.7 38.5
39 64.6 46.1 69.1

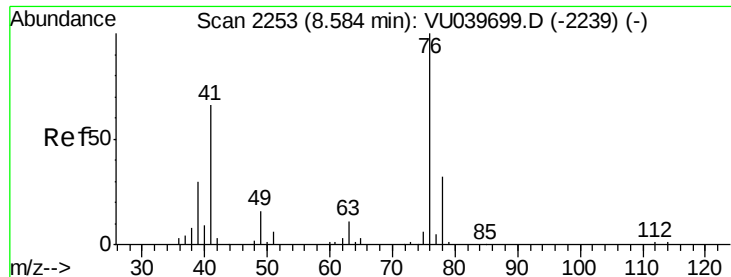


#52

1,1,2-Trichloroethane
Concen: 0.344 ug/l
RT: 8.41 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Tgt Ion: 97 Resp: 1793
Ion Ratio Lower Upper
97 100
83 99.9 71.3 106.9
85 48.3 45.4 68.2
99 58.7 49.4 74.0





#53

1,3-Dichloropropane

Concen: 0.328 ug/l

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

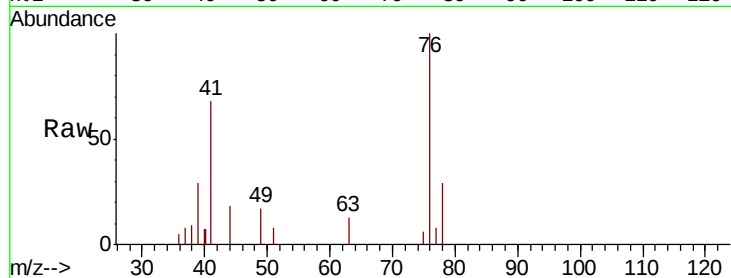
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 76 Resp: 3282

Ion Ratio Lower Upper

76 100

78 29.0 25.4 38.2



Abundance Ion 76.00 (75.70 to 76.70): VU039699.D (-2239) (-)

Ion 78.00 (77.70 to 78.70): VU039699.D (-2239) (-)

8.58

2500

2000

1500

1000

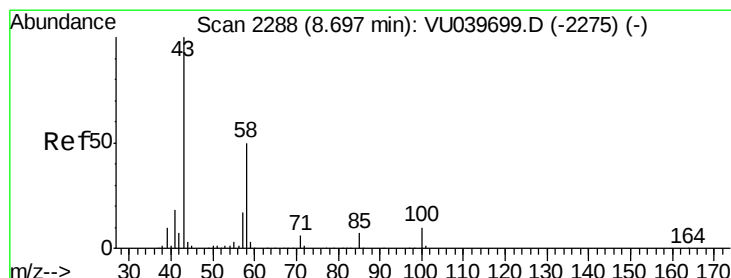
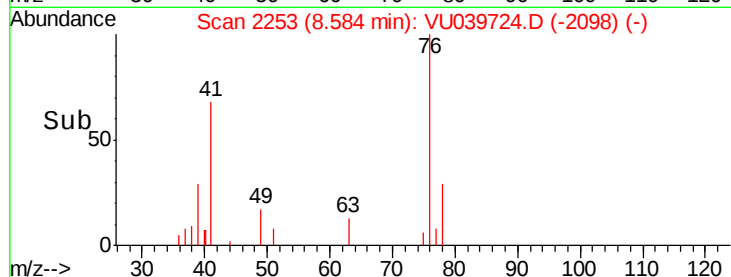
500

0

8.55

8.60

Time-->



#54

2-Hexanone

Concen: 1.621 ug/l

RT: 8.70 min Scan# 2290

Delta R.T. 0.01 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

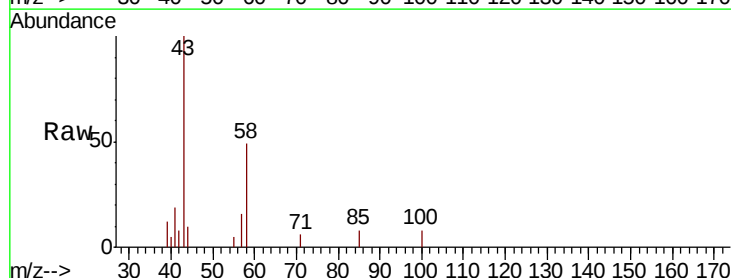
Tgt Ion: 43 Resp: 7057

Ion Ratio Lower Upper

43 100

58 46.6 29.9 69.9

57 14.6 0.0 37.2



Abundance Ion 43.00 (42.70 to 43.70): VU039699.D (-2275) (-)

Ion 58.00 (57.70 to 58.70): VU039699.D (-2275) (-)

Ion 57.00 (56.70 to 57.70): VU039699.D (-2275) (-)

8.70

5000

4000

3000

2000

1000

0

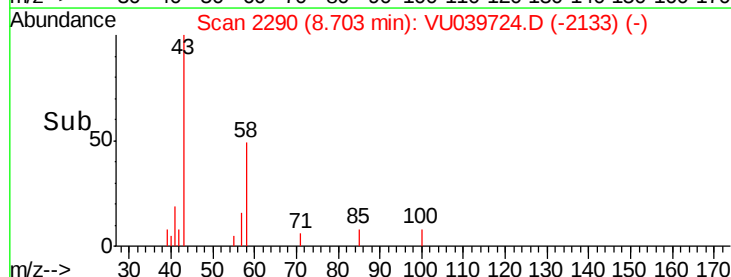
8.65

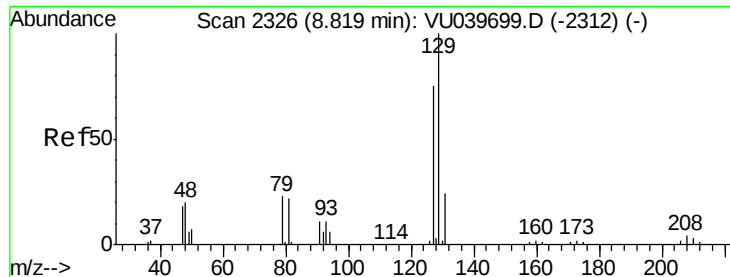
8.70

8.75

8.80

Time-->

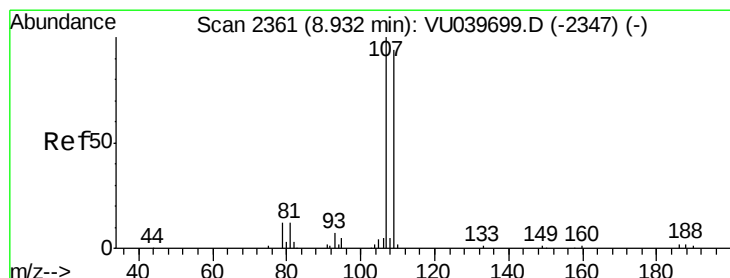
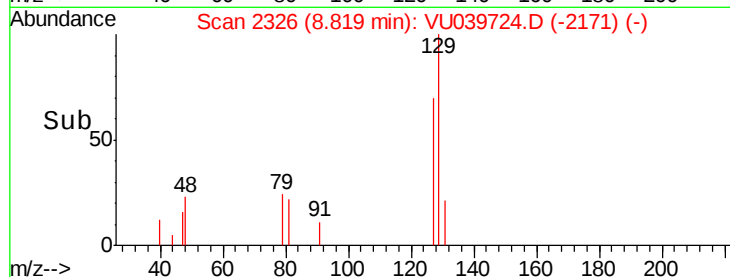
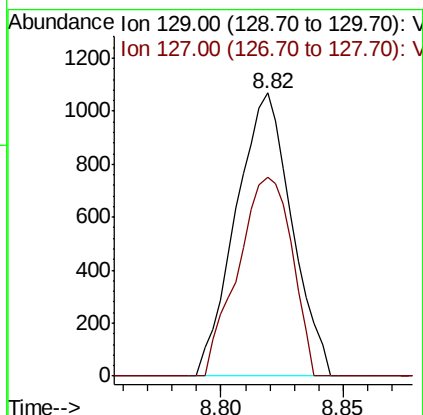
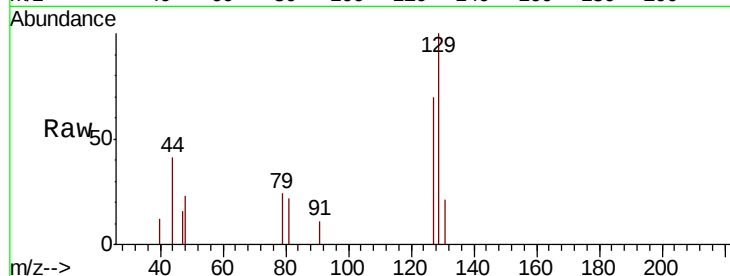




#55
 Dibromochloromethane
 Concen: 0.303 ug/l
 RT: 8.82 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

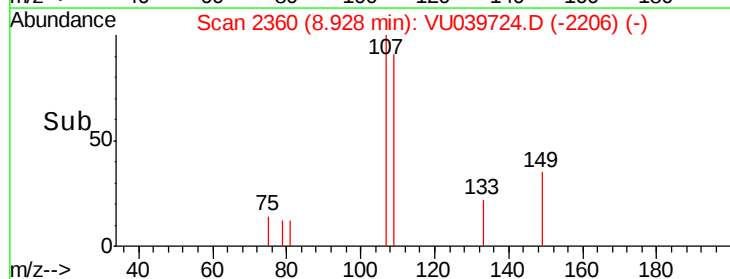
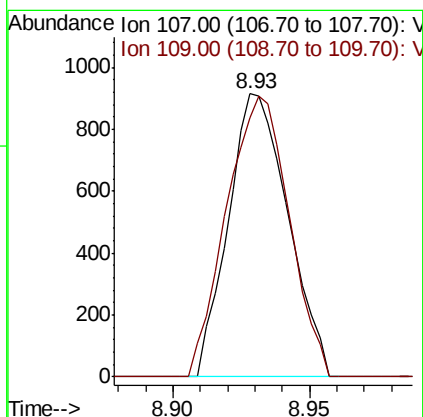
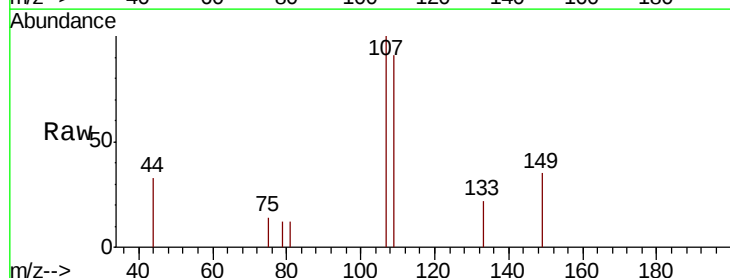
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

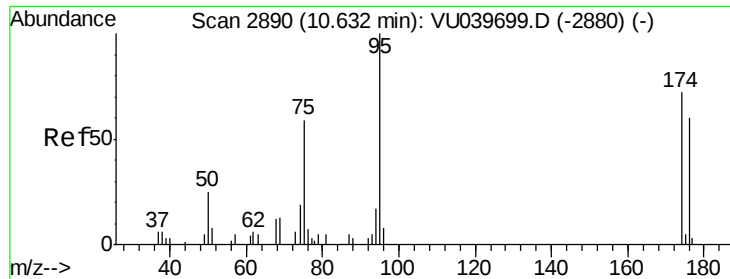
Tot Ion:129 Resp: 1696
 Ion Ratio Lower Upper
 129 100
 127 68.1 62.4 93.6



#56
 1,2-Dibromoethane
 Concen: 0.277 ug/l
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

Tgt Ion:107 Resp: 1390
 Ion Ratio Lower Upper
 107 100
 109 104.2 0.0 185.2

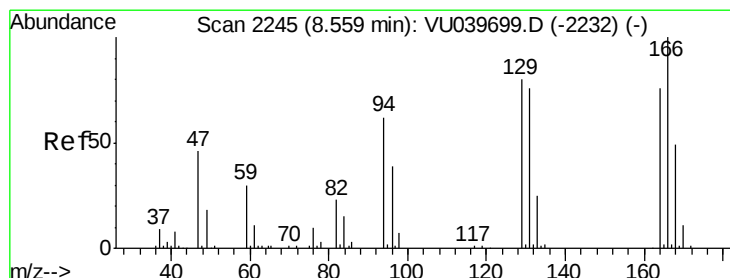
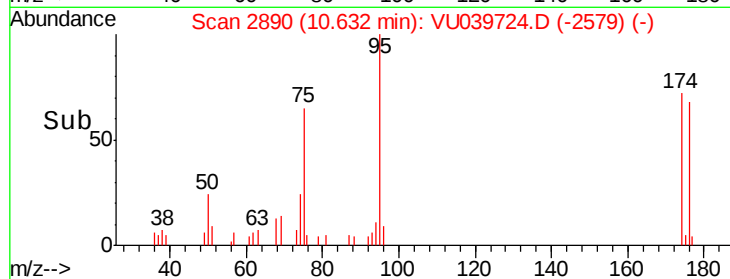
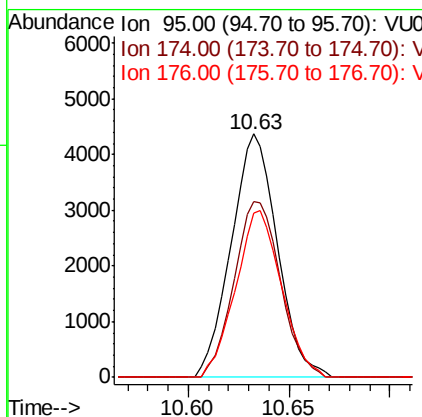
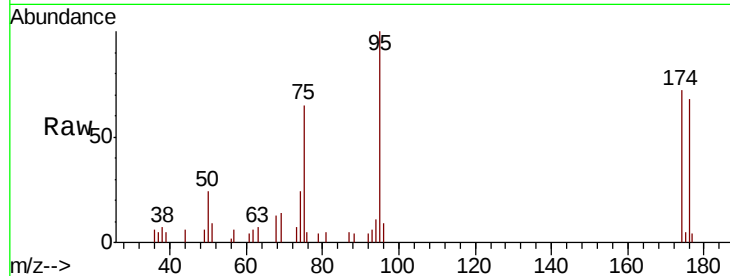




#57
4-Bromofluorobenzene
Concen: 0.827 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

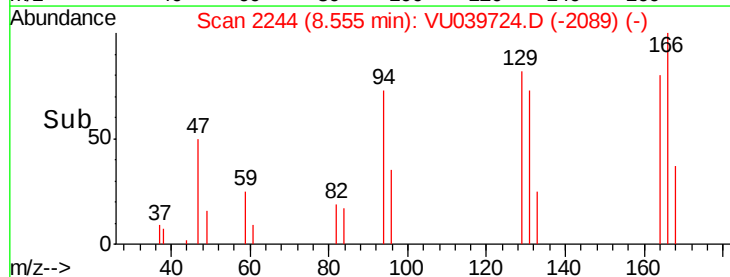
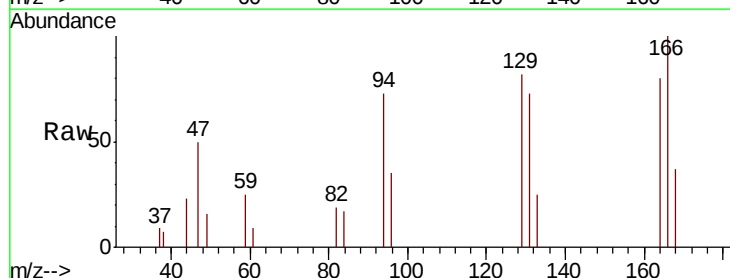
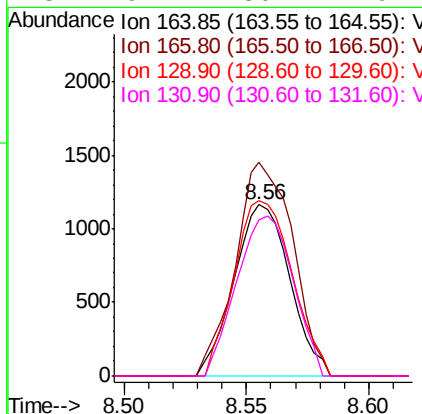
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

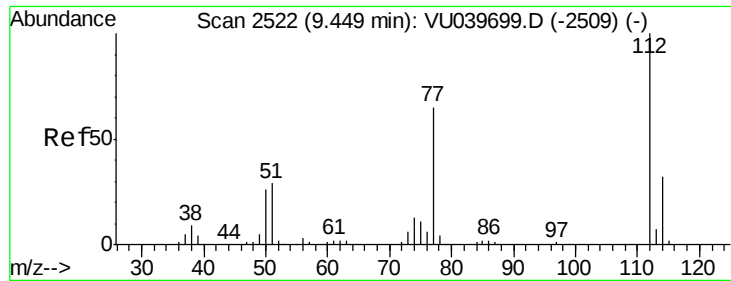
Tot Ion: 95 Resp: 6992
Ion Ratio Lower Upper
95 100
174 72.5 57.0 85.4
176 68.1 50.2 75.2



#58
Tetrachloroethene
Concen: 0.341 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Tgt Ion: 164 Resp: 1848
Ion Ratio Lower Upper
164 100
166 124.9 104.8 157.2
129 102.5 84.1 126.1
131 91.7 80.1 120.1





#59

Chlorobenzene

Concen: 0.309 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

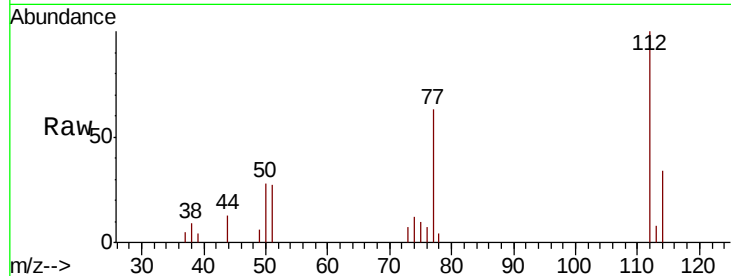
LOD-MDL-WATER-01-QT3-2020

Tot Ion:112 Resp: 5156

Ion Ratio Lower Upper

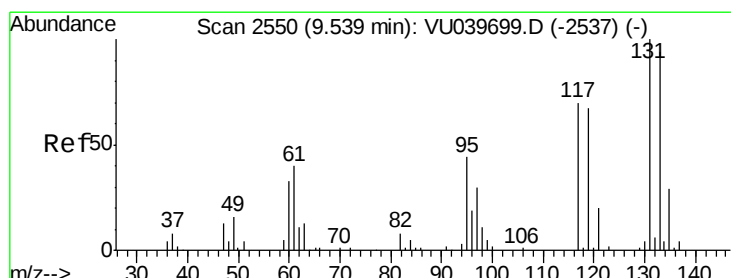
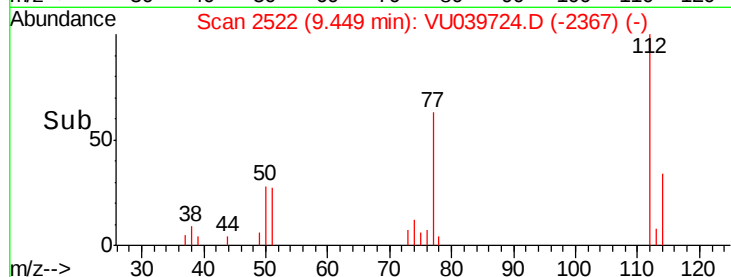
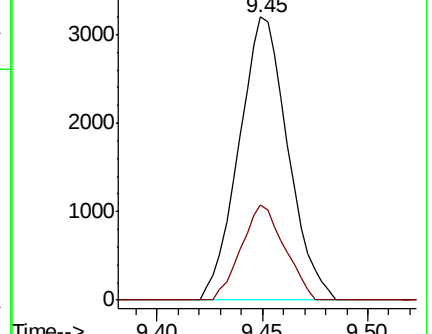
112 100

114 33.6 25.8 38.6



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: 0.313 ug/l

RT: 9.54 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

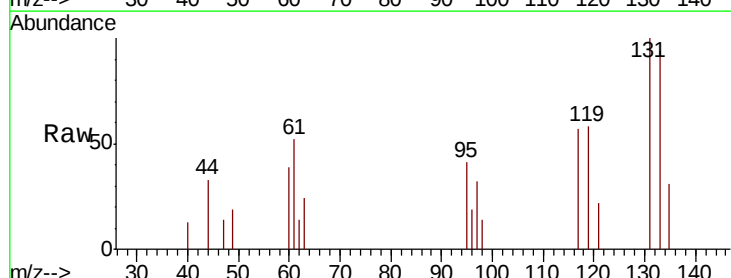
Tgt Ion:131 Resp: 1757

Ion Ratio Lower Upper

131 100

133 92.5 75.8 113.8

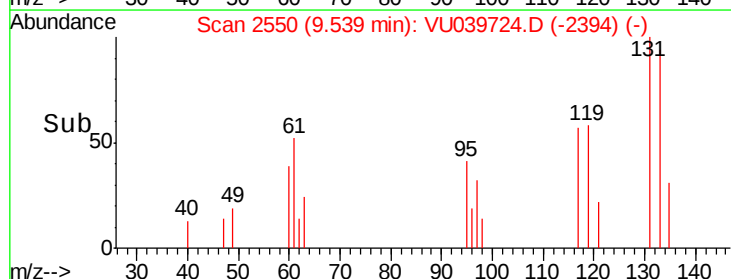
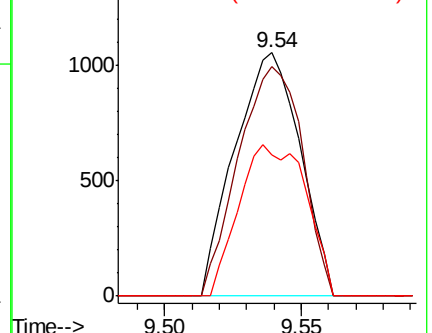
119 64.1 54.6 81.8

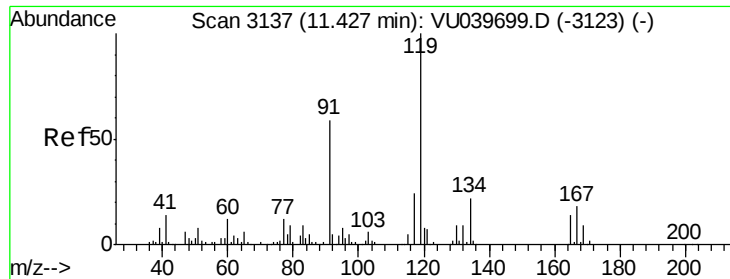


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

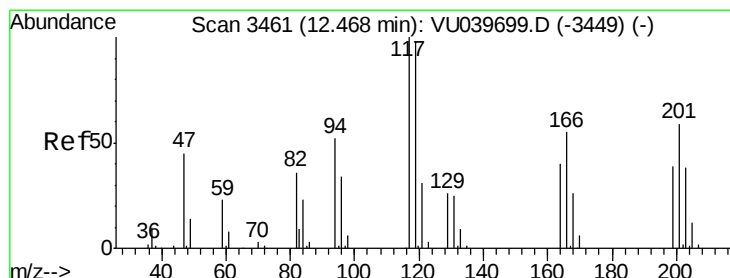
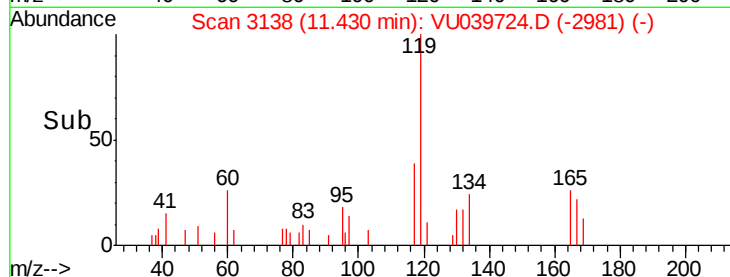
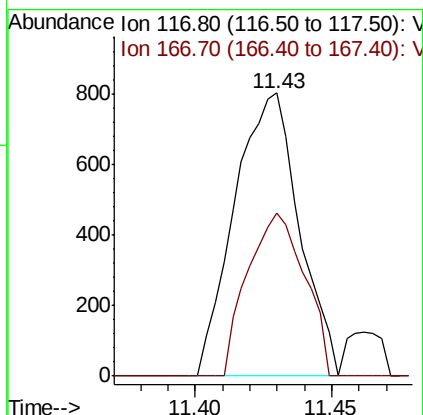
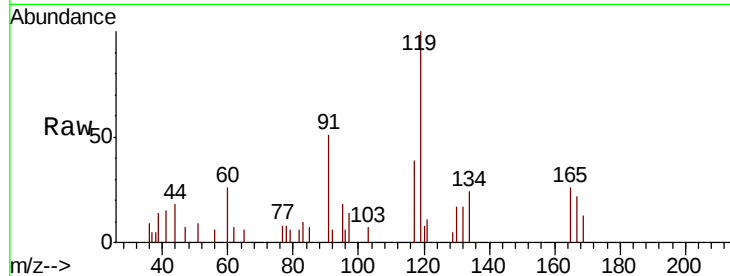




#61
 Pentachloroethane
 Concen: 0.268 ug/l
 RT: 11.43 min Scan# 3138
 Delta R.T. 0.00 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

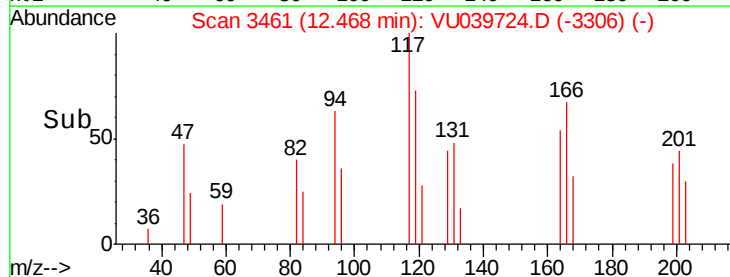
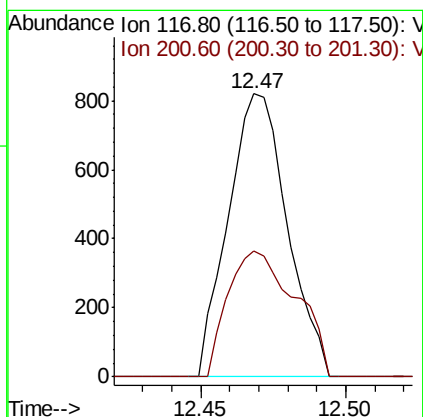
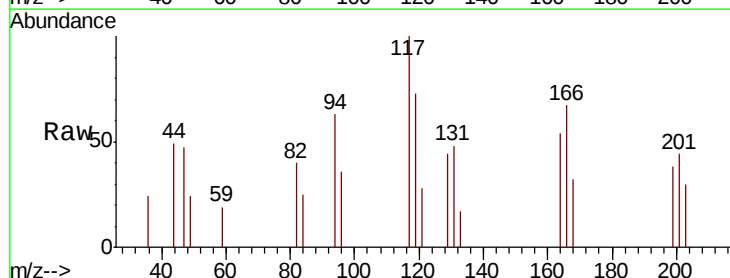
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

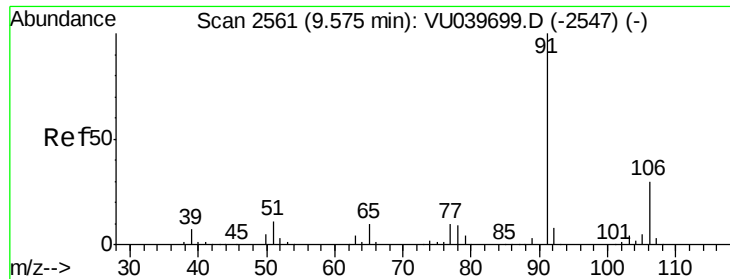
Tot Ion:117 Resp: 1323
 Ion Ratio Lower Upper
 117 100
 167 51.1 56.6 85.0#



#62
 Hexachloroethane
 Concen: 0.257 ug/l
 RT: 12.47 min Scan# 3461
 Delta R.T. -0.00 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

Tgt Ion:117 Resp: 1161
 Ion Ratio Lower Upper
 117 100
 201 50.9 48.1 72.1





#63

Ethyl Benzene

Concen: 0.285 ug/l

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

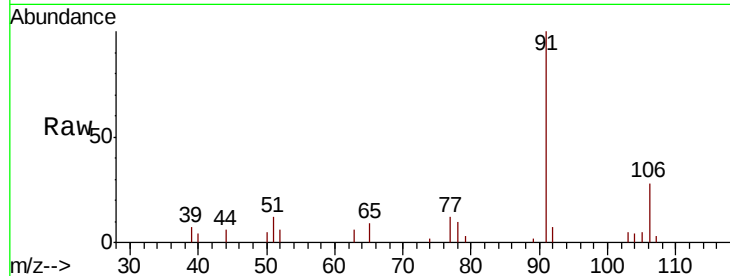
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 8508

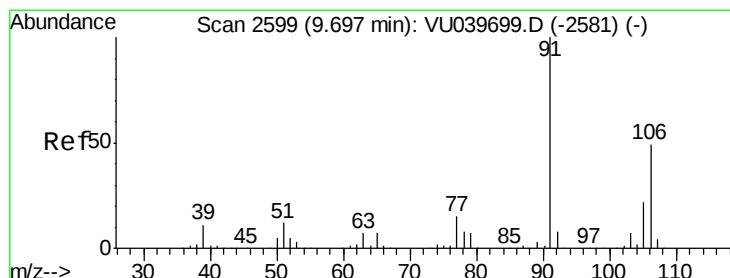
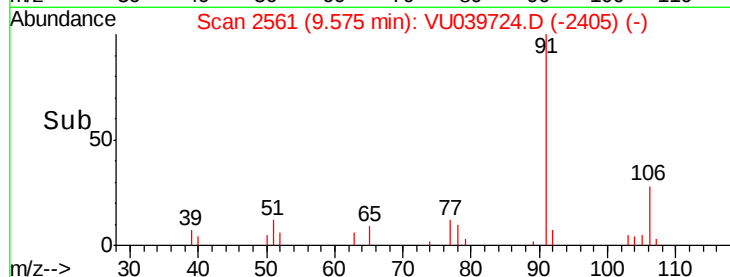
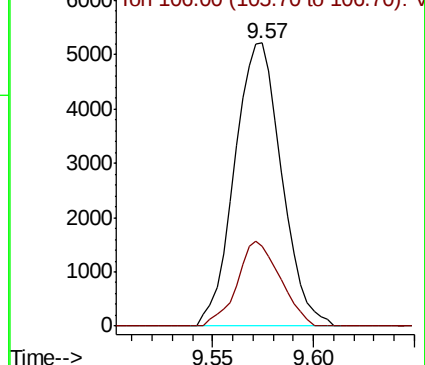
Ion Ratio Lower Upper

91 100

106 28.0 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU039699.D (-2547) (-)



#64

m/p-Xylenes

Concen: 0.542 ug/l

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039724.D

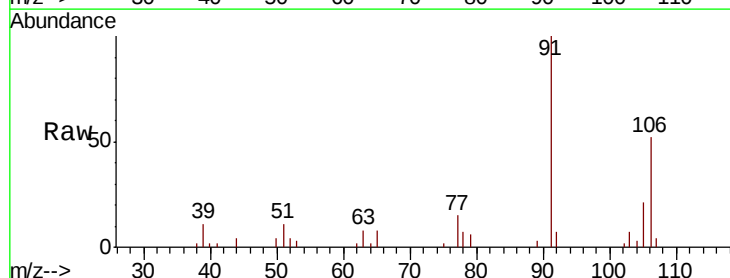
Acq: 30 Jul 2020 16:59

Tgt Ion: 106 Resp: 6322

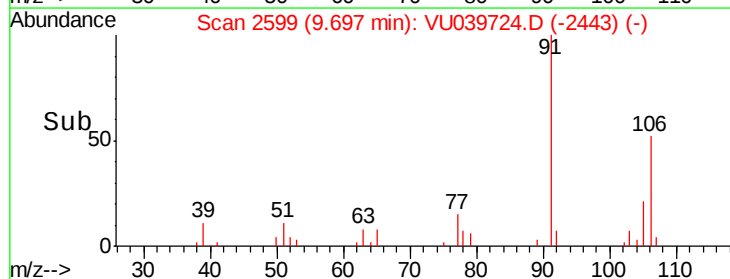
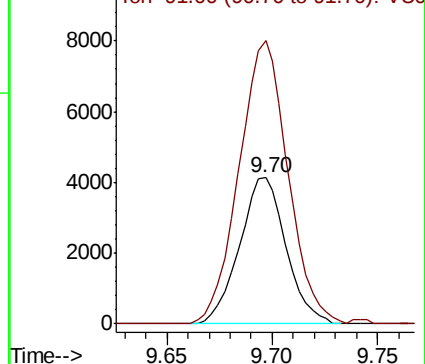
Ion Ratio Lower Upper

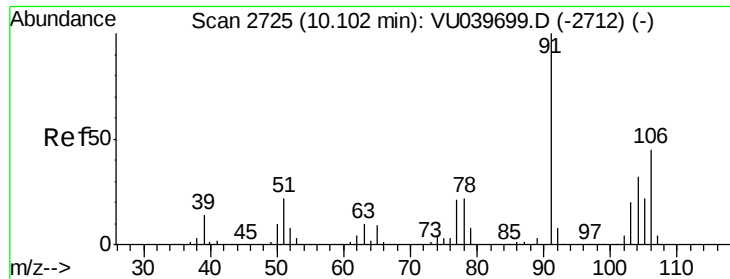
106 100

91 203.9 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): VU039699.D (-2581) (-)

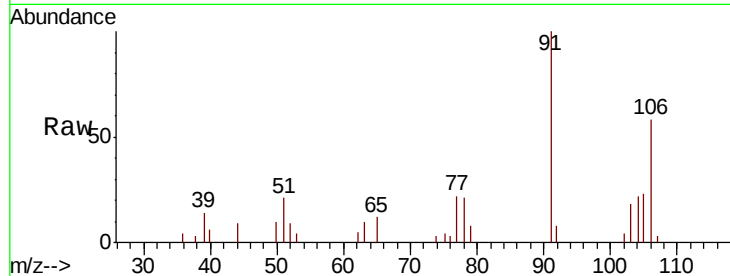




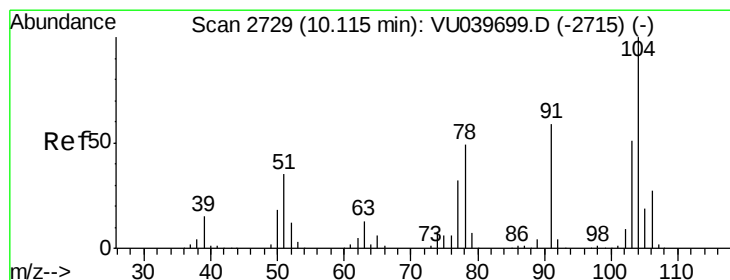
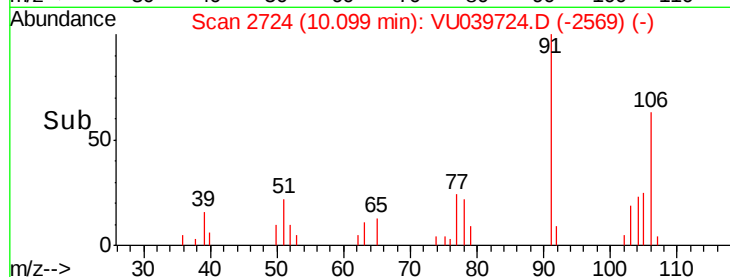
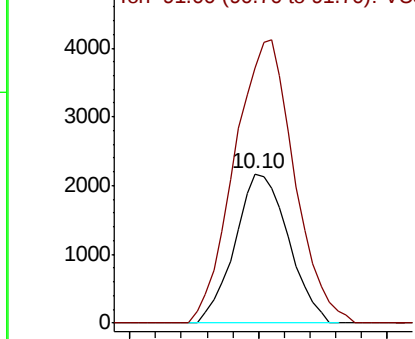
#65
o-Xylene
Concen: 0.283 ug/l
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion:106 Resp: 3137
Ion Ratio Lower Upper
106 100
91 212.1 110.3 331.0

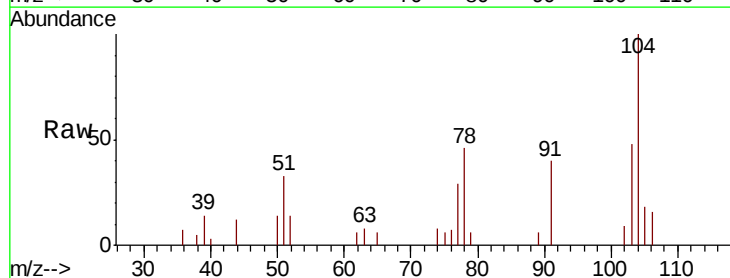


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

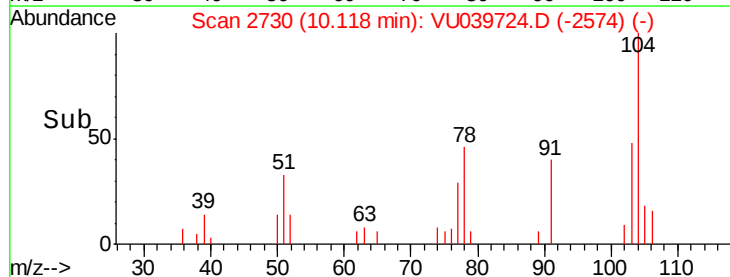
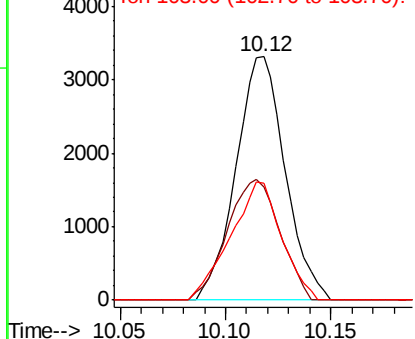


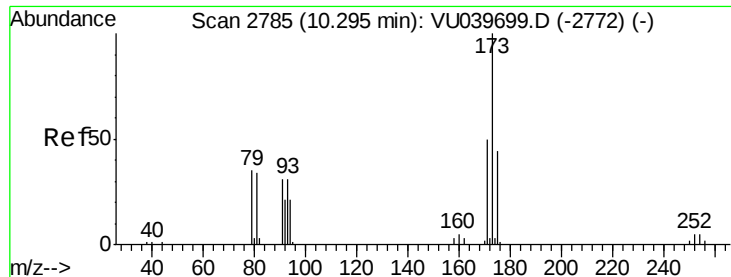
#66
Styrene
Concen: 0.283 ug/l
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Tgt Ion:104 Resp: 5379
Ion Ratio Lower Upper
104 100
78 52.9 42.2 63.4
103 50.1 43.4 65.2



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





#67

Bromoform

Concen: 0.220 ug/l

RT: 10.29 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

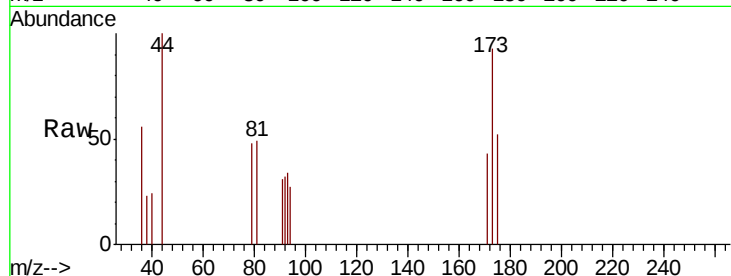
Tot Ion:173 Resp: 628

Ion Ratio Lower Upper

173 100

175 42.7 36.7 55.1

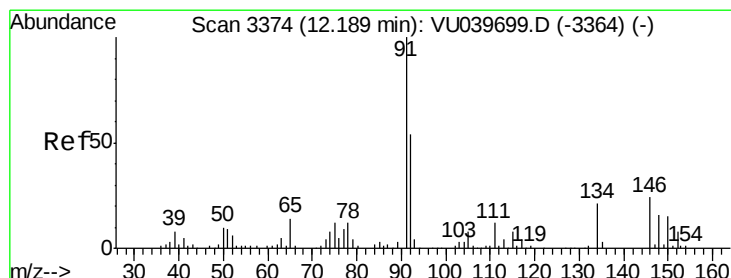
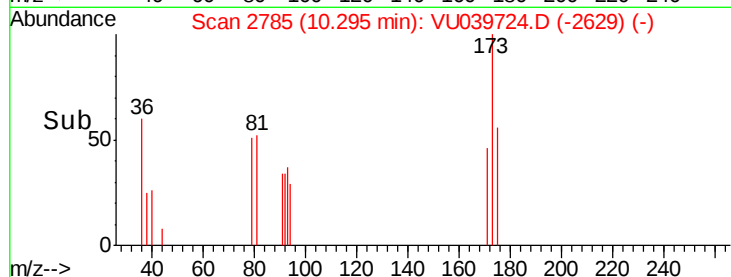
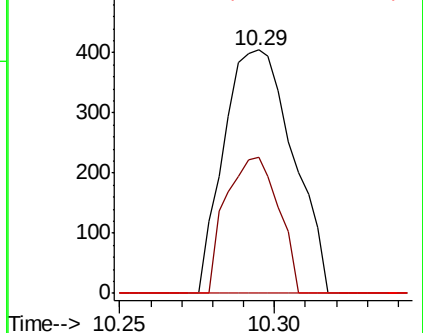
254 0.0 3.8 5.8#



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: 0.898 ug/l

RT: 12.19 min Scan# 3374

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

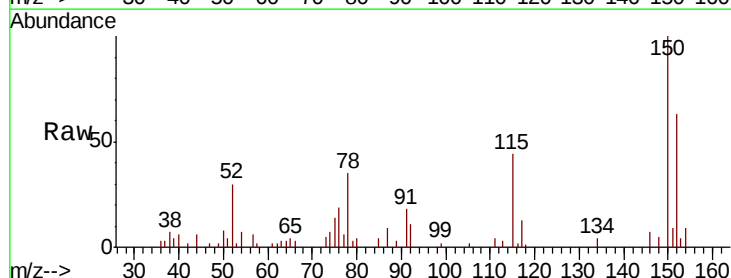
Tgt Ion:152 Resp: 7433

Ion Ratio Lower Upper

152 100

115 70.3 0.0 302.4

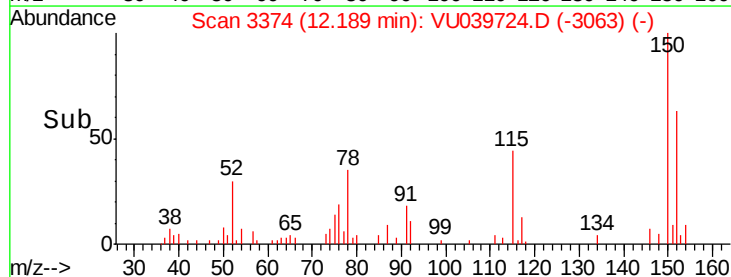
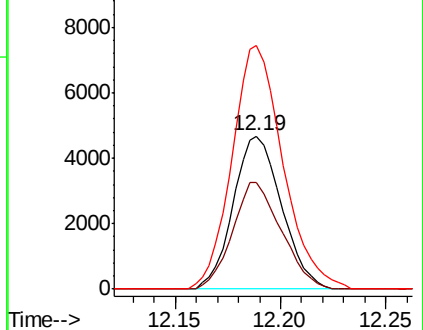
150 167.9 0.0 645.8

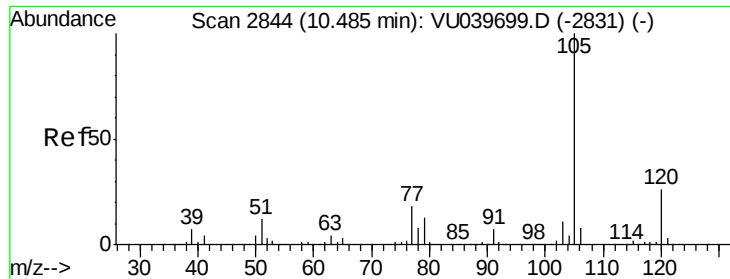


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.249 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

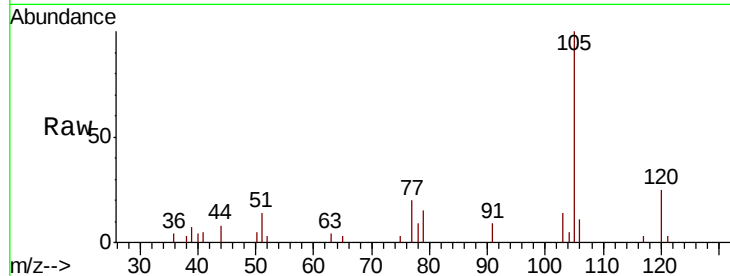
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 105 Resp: 7371

Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

5000

4000

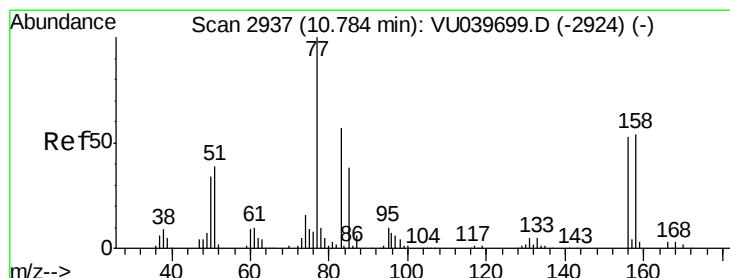
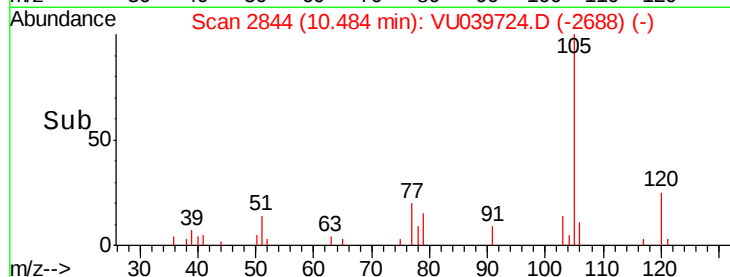
3000

2000

1000

0

Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 0.308 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

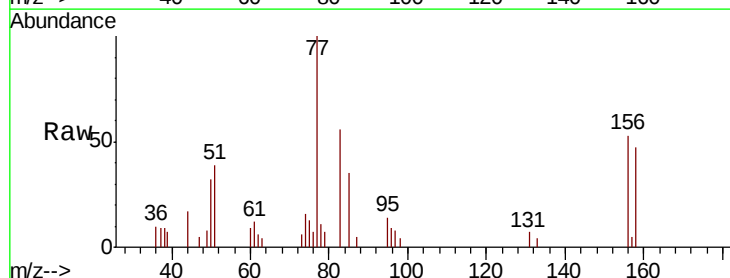
Tgt Ion: 83 Resp: 2313

Ion Ratio Lower Upper

83 100

131 5.0 7.0 10.6#

85 58.7 50.6 75.8



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

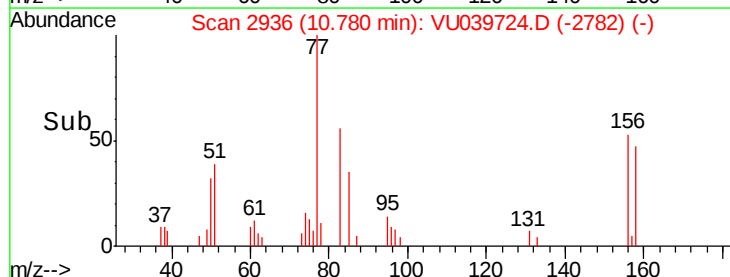
1500

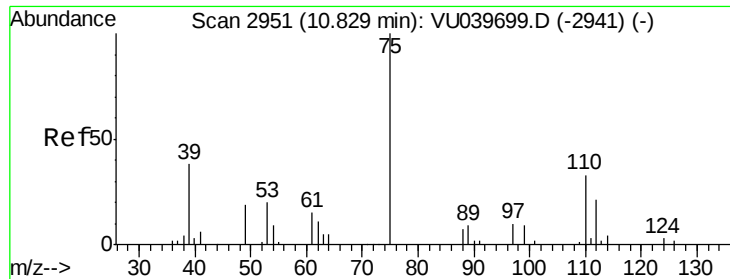
1000

500

0

Time-->

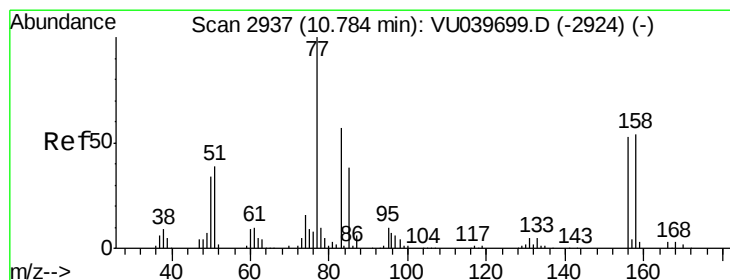
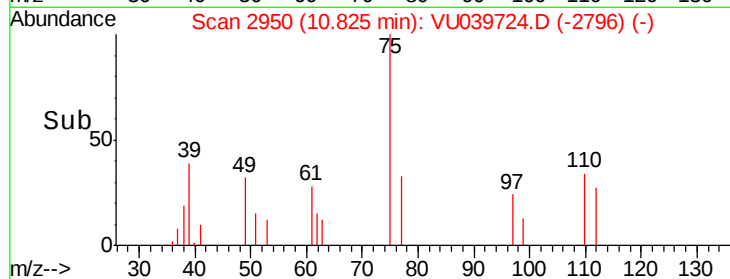
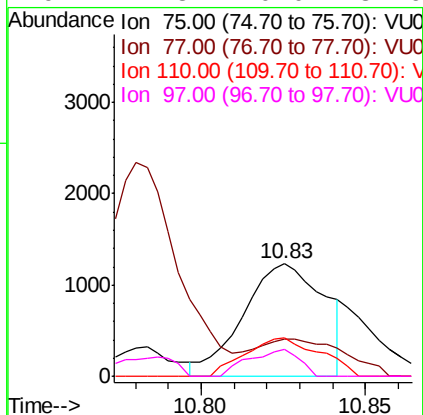
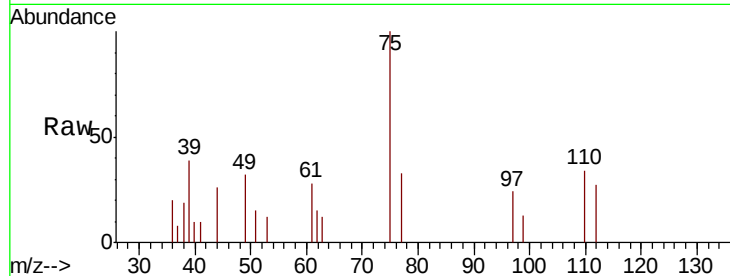




#71
1,2,3-Trichloropropane
Concen: 0.374 ug/l
RT: 10.83 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

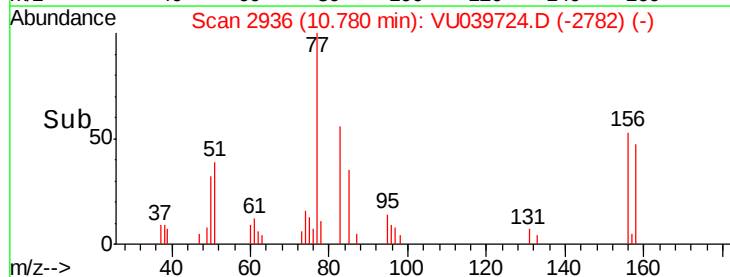
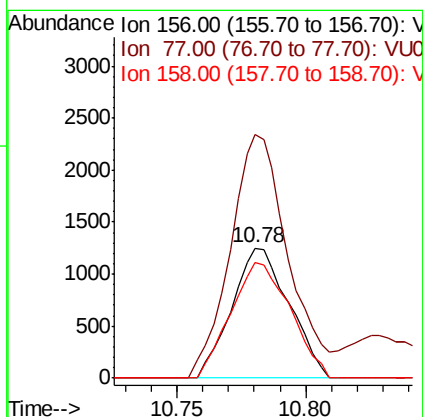
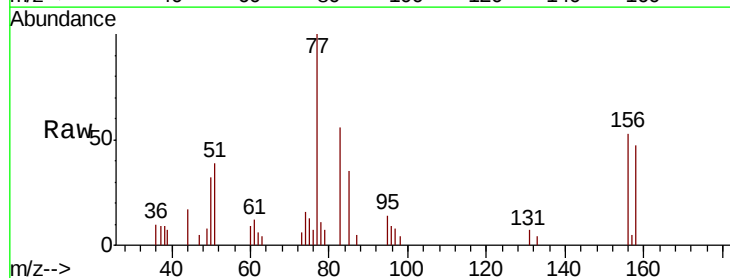
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

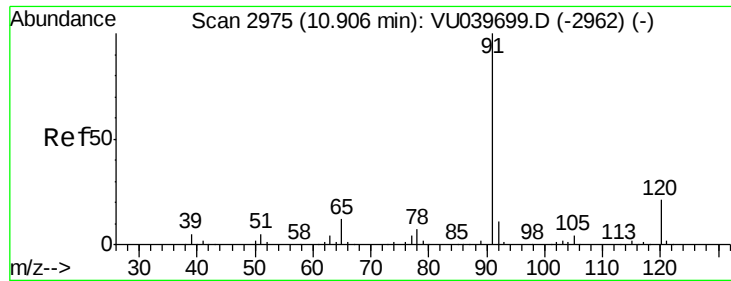
Tot Ion:	75	Resp:	2114
Ion	Ratio	Lower	Upper
75	100		
77	35.3	0.0	91.0
110	31.4	0.0	64.2
97	14.8	0.0	32.6



#72
Bromobenzene
Concen: 0.287 ug/l
RT: 10.78 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Tgt Ion:	156	Resp:	1928
Ion	Ratio	Lower	Upper
156	100		
77	189.0	0.0	385.2
158	92.7	0.0	200.8





#73

n-propylbenzene

Concen: 0.249 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

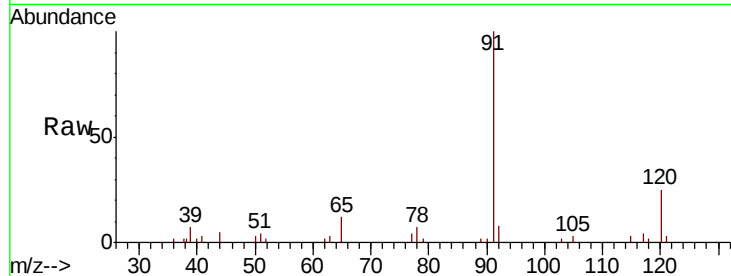
LOD-MDL-WATER-01-QT3-2020

Tot Ion:120 Resp: 2067

Ion Ratio Lower Upper

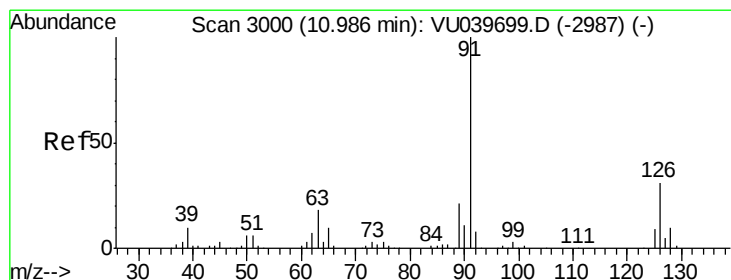
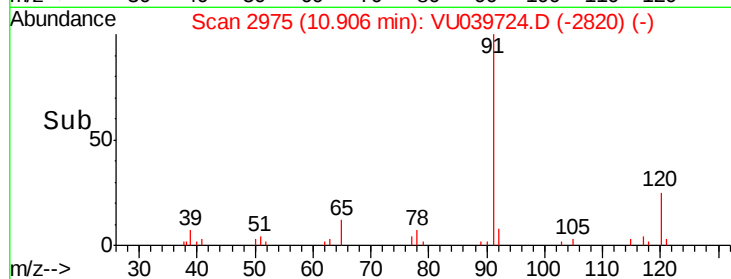
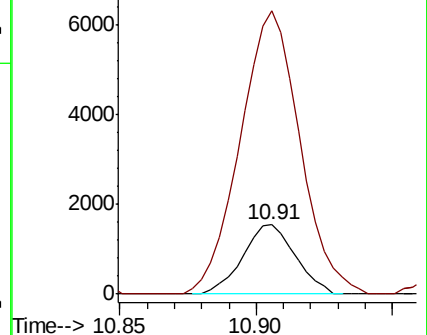
120 100

91 463.9 371.7 557.5



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.278 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. -0.00 min

Lab File: VU039724.D

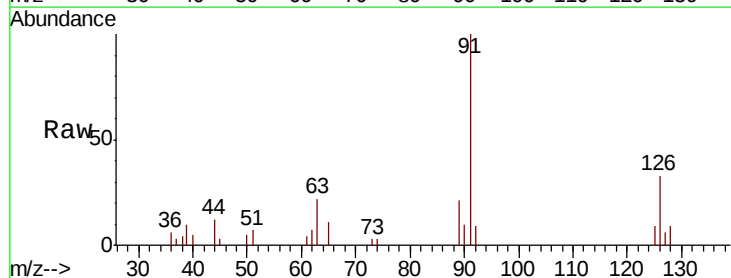
Acq: 30 Jul 2020 16:59

Tgt Ion:126 Resp: 1956

Ion Ratio Lower Upper

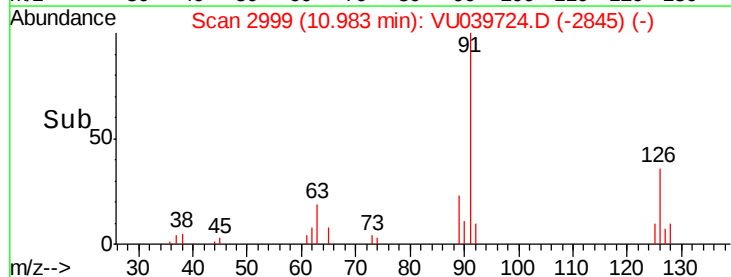
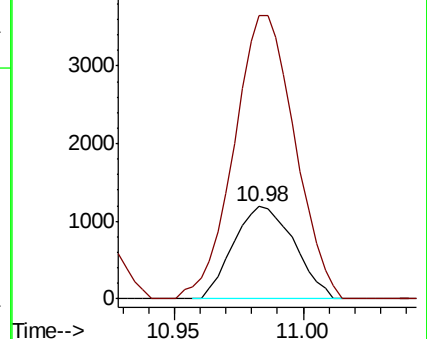
126 100

91 307.2 0.0 637.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.236 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

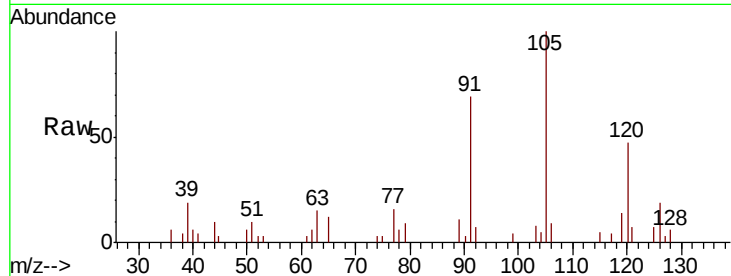
LOD-MDL-WATER-01-QT3-2020

Tot Ion:105 Resp: 6041

Ion Ratio Lower Upper

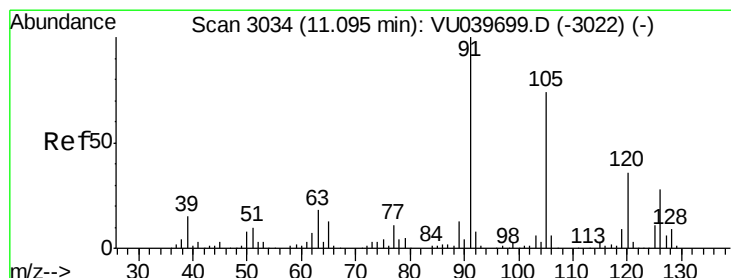
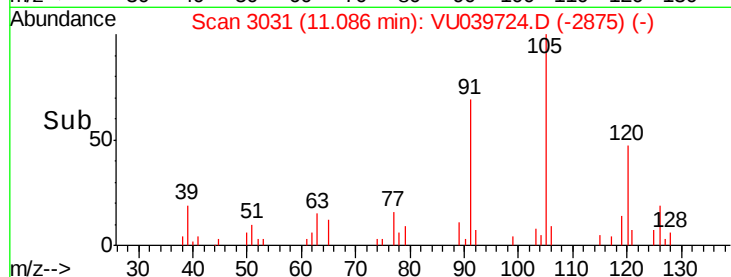
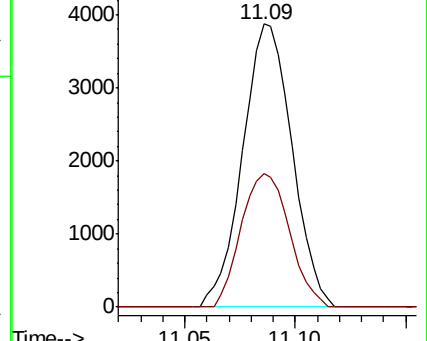
105 100

120 46.3 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.243 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU039724.D

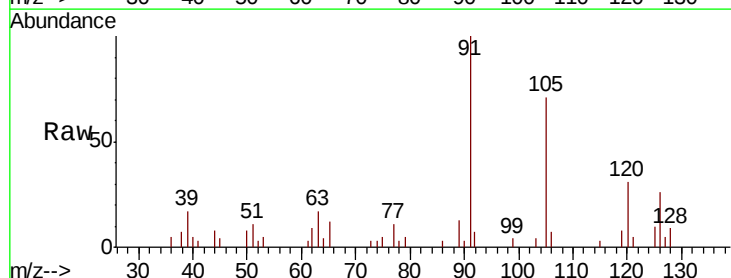
Acq: 30 Jul 2020 16:59

Tgt Ion:126 Resp: 1771

Ion Ratio Lower Upper

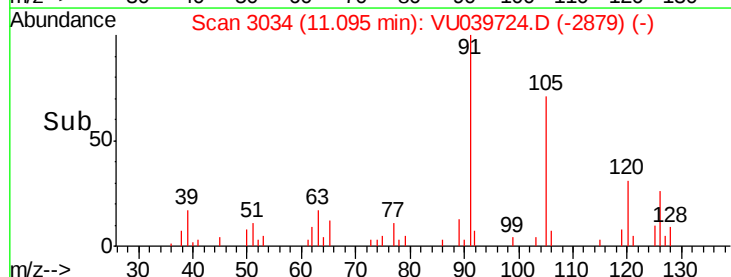
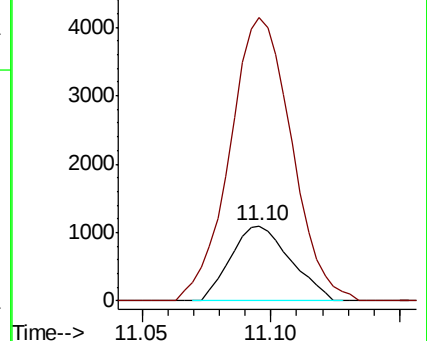
126 100

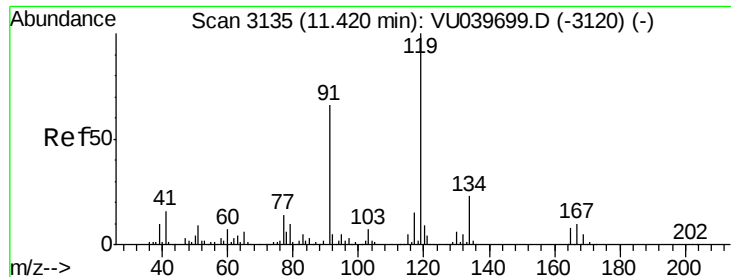
91 391.4 0.0 732.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.257 ug/l

RT: 11.42 min Scan# 3135

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

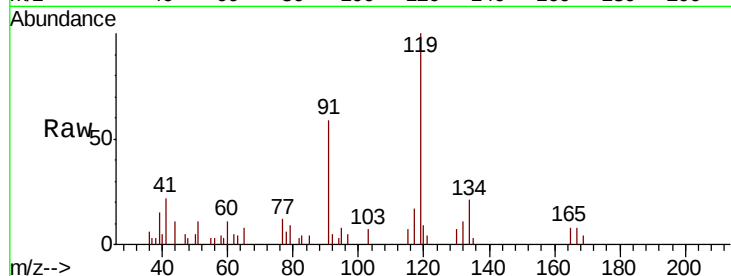
Tot Ion:119 Resp: 6316

Ion Ratio Lower Upper

119 100

91 58.8 31.9 95.5

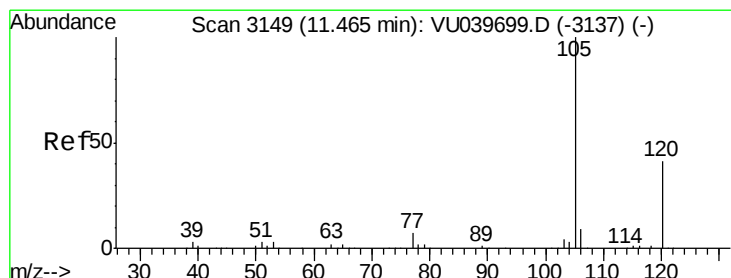
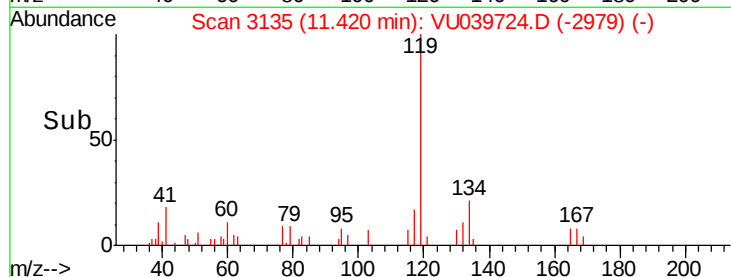
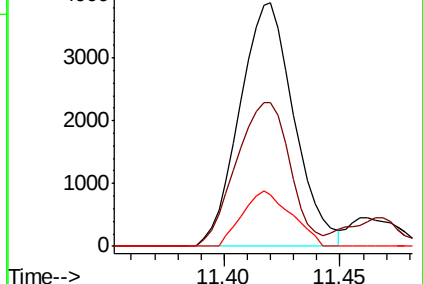
134 20.4 18.2 27.4



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: 0.235 ug/l

RT: 11.47 min Scan# 3149

Delta R.T. -0.00 min

Lab File: VU039724.D

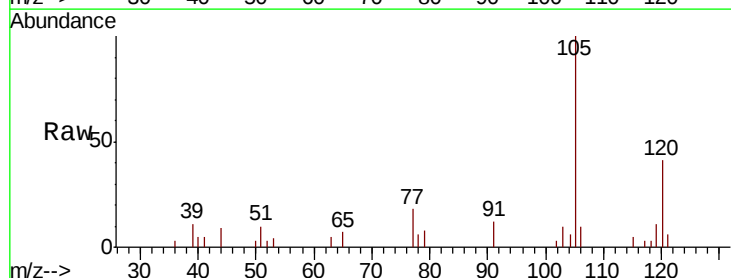
Acq: 30 Jul 2020 16:59

Tgt Ion:105 Resp: 6172

Ion Ratio Lower Upper

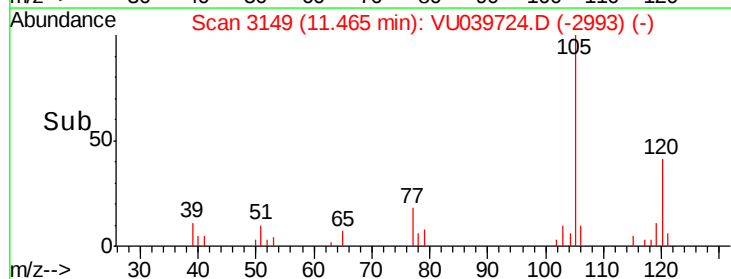
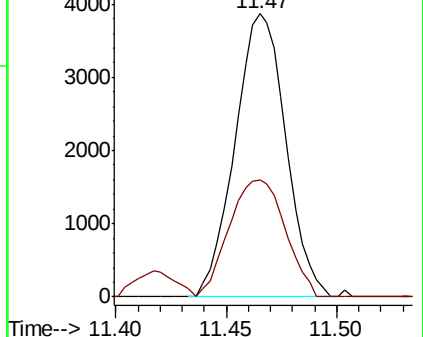
105 100

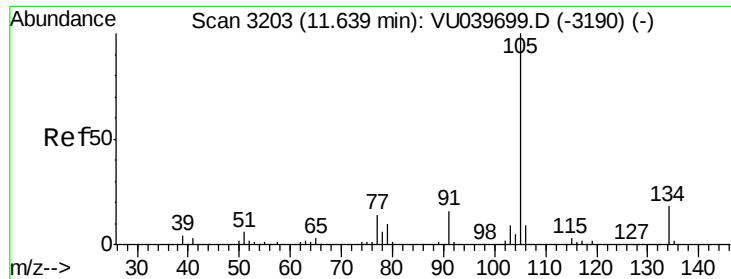
120 45.5 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.243 ug/l

RT: 11.64 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

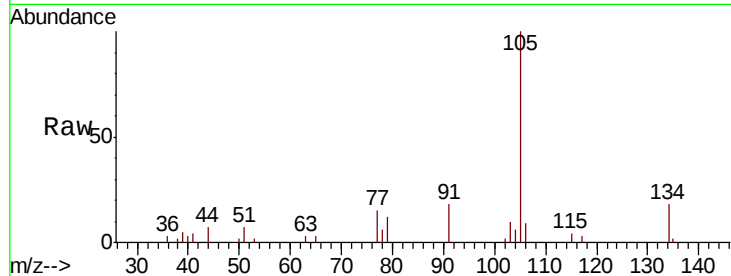
LOD-MDL-WATER-01-QT3-2020

Tot Ion:105 Resp: 8501

Ion Ratio Lower Upper

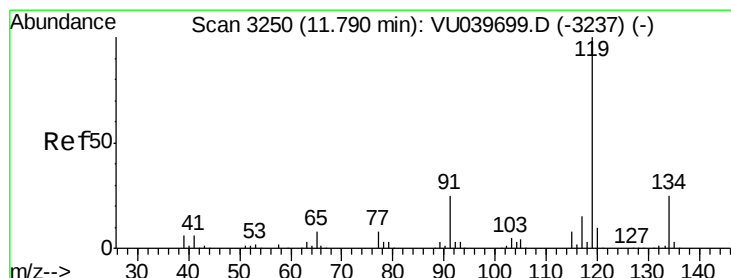
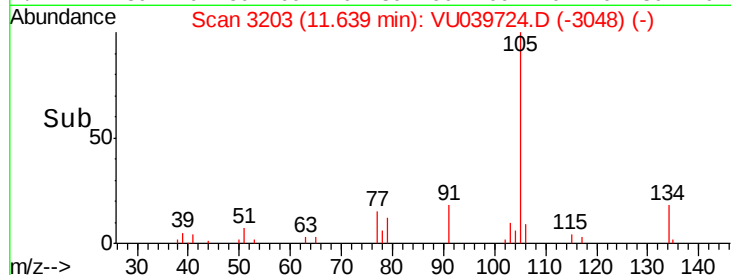
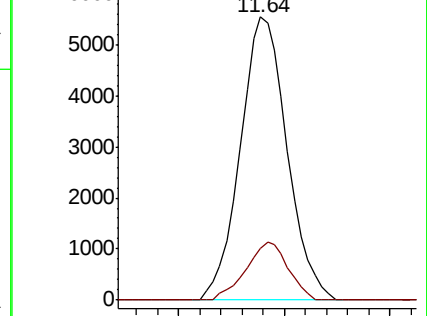
105 100

134 18.5 14.8 22.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#81

p-Isopropyltoluene

Concen: 0.226 ug/l

RT: 11.79 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

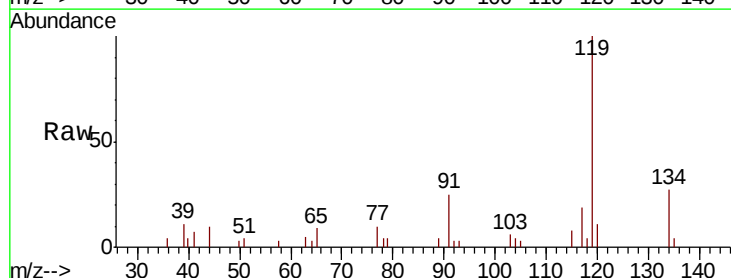
Tgt Ion:119 Resp: 6349

Ion Ratio Lower Upper

119 100

134 24.6 20.2 30.4

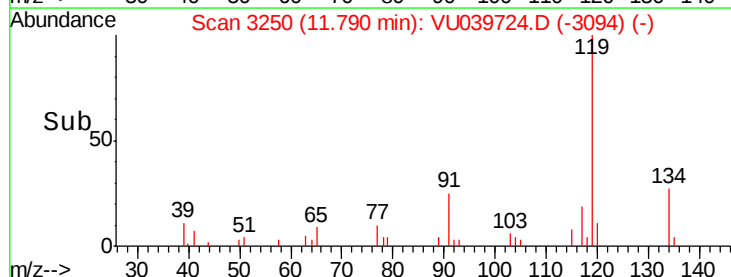
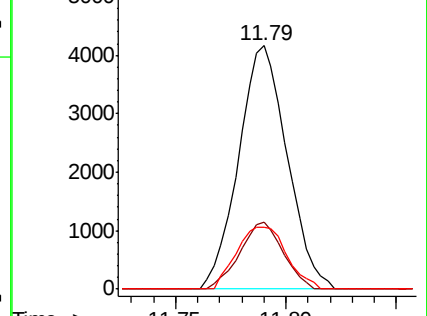
91 26.3 20.7 31.1

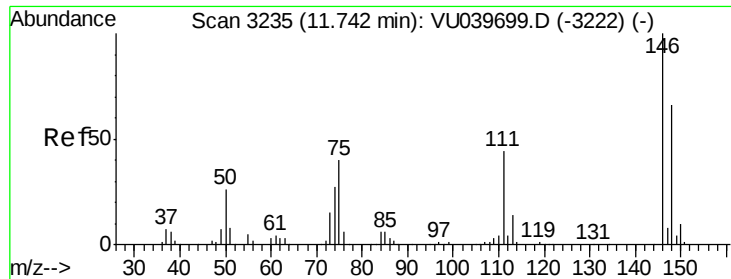


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VUO

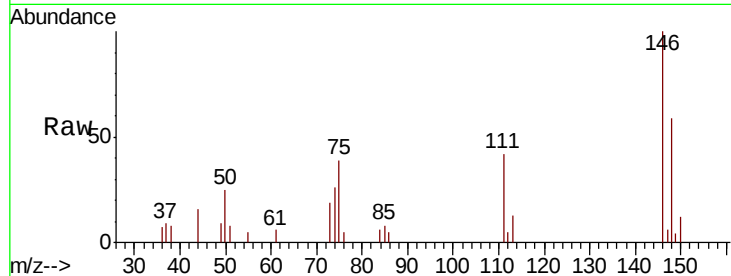




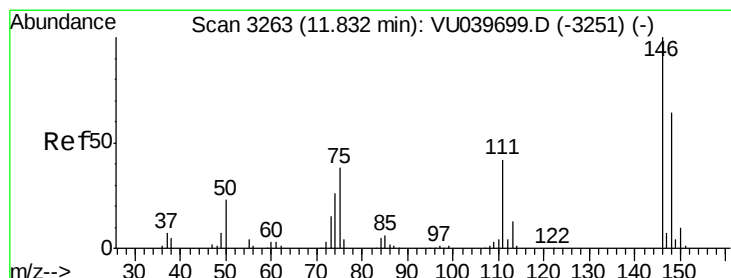
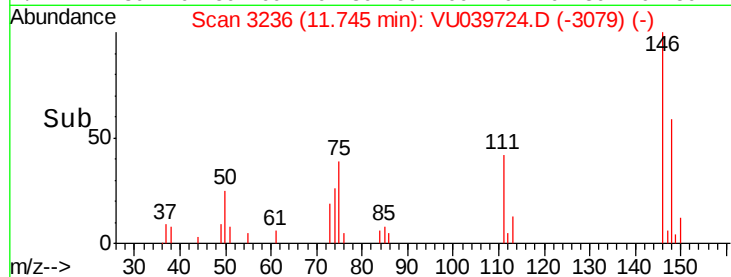
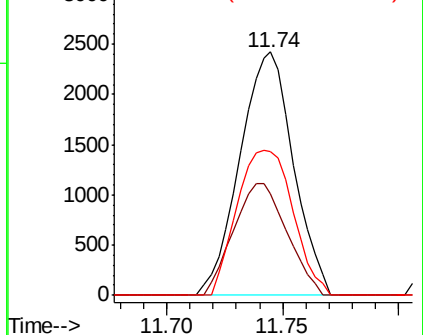
#82
 1,3-Dichlorobenzene
 Concen: 0.269 ug/l
 RT: 11.74 min Scan# 3236
 Delta R.T. 0.00 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion:146 Resp: 3883
 Ion Ratio Lower Upper
 146 100
 111 46.0 34.5 51.7
 148 62.4 51.4 77.0

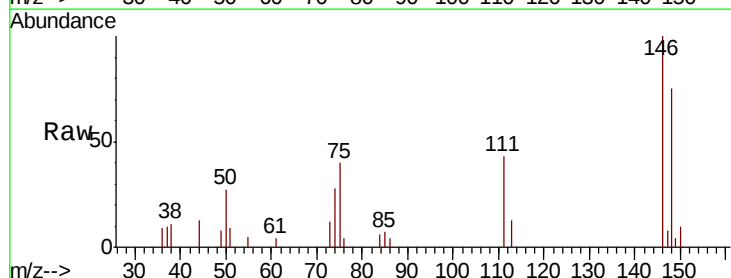


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

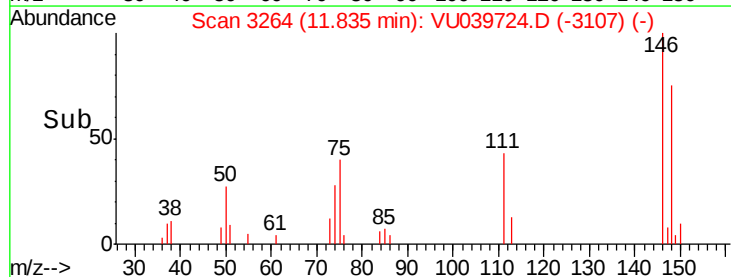
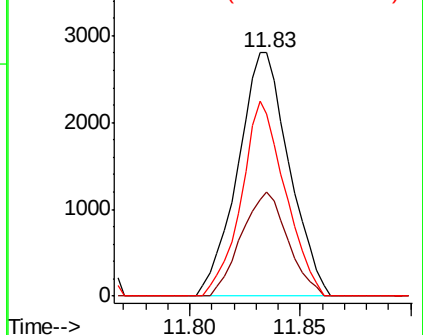


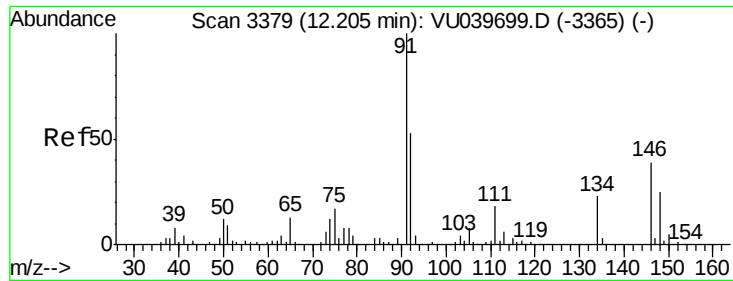
#83
 1,4-Dichlorobenzene
 Concen: 0.311 ug/l
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.00 min
 Lab File: VU039724.D
 Acq: 30 Jul 2020 16:59

Tgt Ion:146 Resp: 4526
 Ion Ratio Lower Upper
 146 100
 111 38.7 33.8 50.6
 148 68.6 51.1 76.7



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

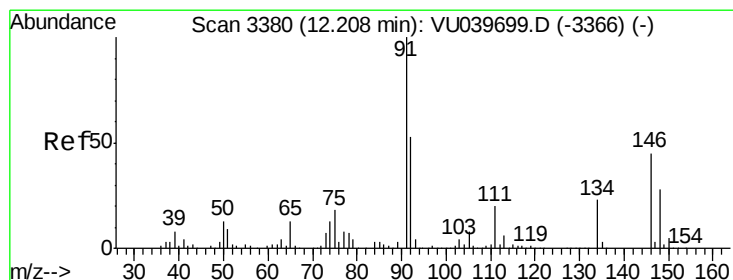
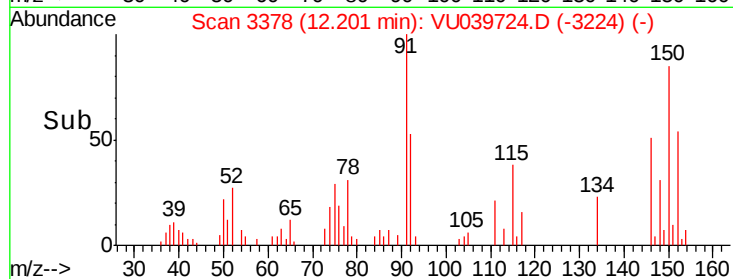
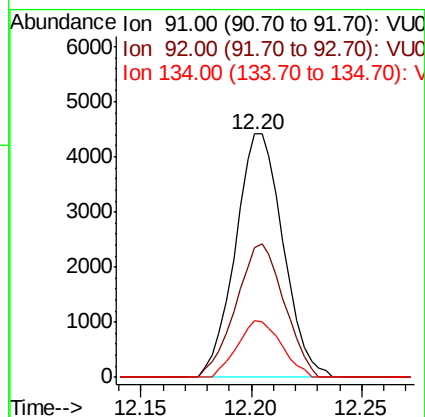
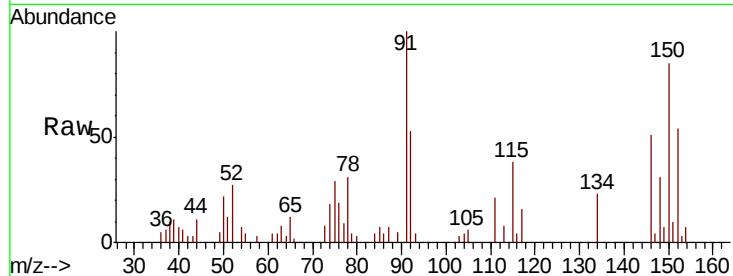




#84
n-Butylbenzene
Concen: 0.222 ug/l
RT: 12.20 min Scan# 3378
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

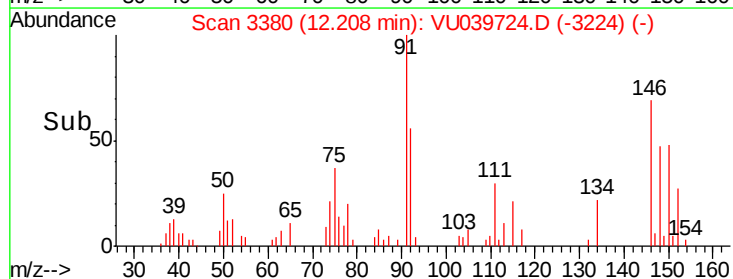
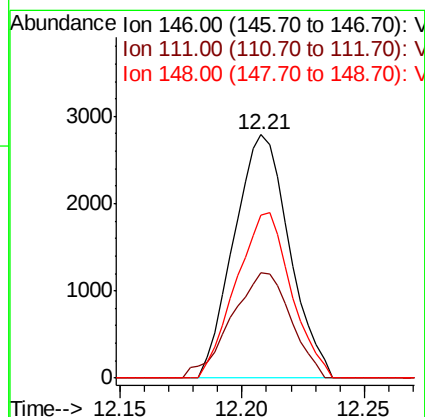
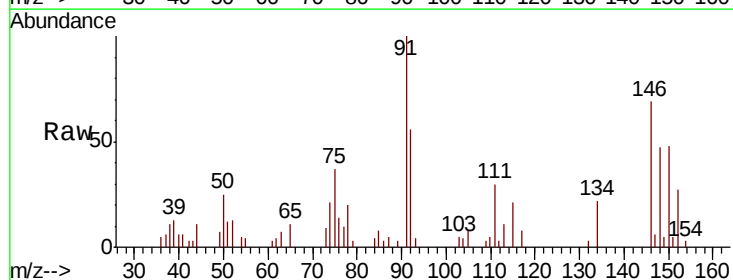
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

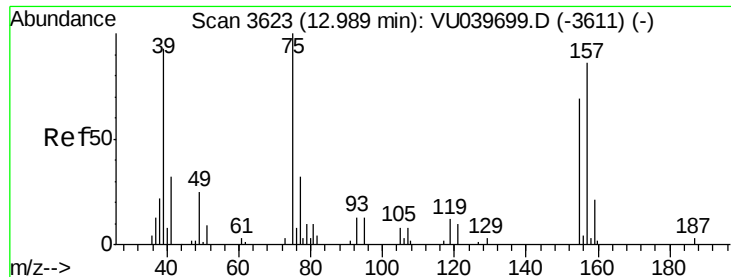
Tot Ion: 91 Resp: 6642
Ion Ratio Lower Upper
91 100
92 55.4 42.6 64.0
134 21.5 18.2 27.4



#85
1,2-Dichlorobenzene
Concen: 0.315 ug/l
RT: 12.21 min Scan# 3380
Delta R.T. -0.00 min
Lab File: VU039724.D
Acq: 30 Jul 2020 16:59

Tgt Ion: 146 Resp: 4393
Ion Ratio Lower Upper
146 100
111 46.4 22.8 68.3
148 67.6 31.7 95.1





#86

1,2-Dibromo-3-Chloropropane

Concen: 0.285 ug/l

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

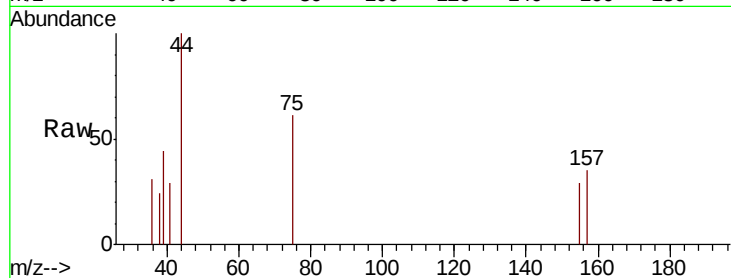
Tot Ion: 75 Resp: 360

Ion Ratio Lower Upper

75 100

155 29.4 52.9 79.3#

157 64.7 67.8 101.6#



Abundance Ion 75.00 (74.70 to 75.70): VU039724.D (-3468) (-)

Ion 155.00 (154.70 to 155.70): VU039724.D (-3468) (-)

Ion 157.00 (156.70 to 157.70): VU039724.D (-3468) (-)

12.99

300

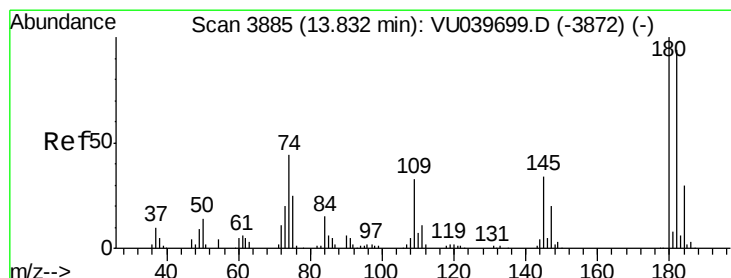
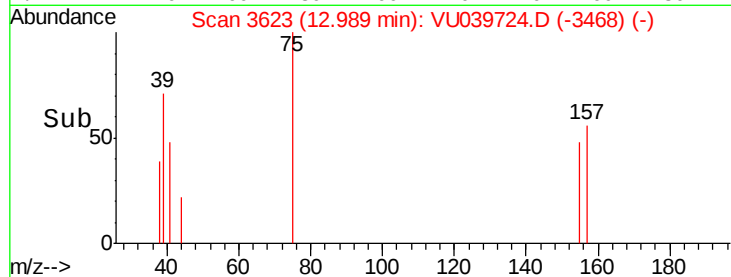
200

100

0

12.96 12.98 13.00 13.02

Time-->



#87

1,2,4-Trichlorobenzene

Concen: 0.314 ug/l

RT: 13.83 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

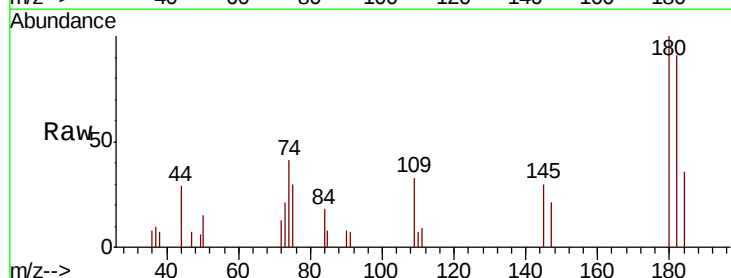
Tgt Ion: 180 Resp: 2739

Ion Ratio Lower Upper

180 100

182 104.1 76.2 114.4

145 29.9 26.8 40.2



Abundance Ion 179.70 (179.40 to 180.40): VU039724.D (-3729) (-)

Ion 181.80 (181.50 to 182.50): VU039724.D (-3729) (-)

Ion 144.80 (144.50 to 145.50): VU039724.D (-3729) (-)

13.83

2000

1500

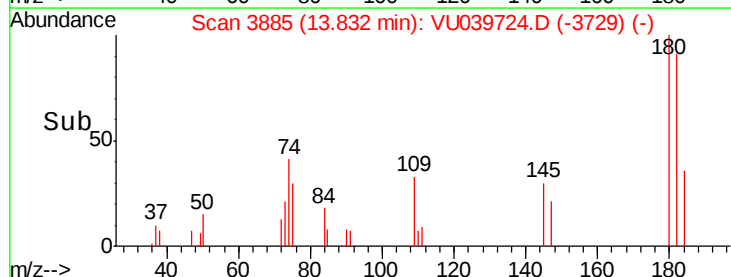
1000

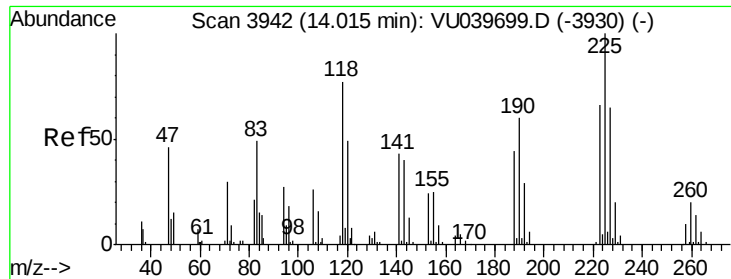
500

0

13.80 13.85

Time-->





#88

Hexachlorobutadiene

Concen: 0.299 ug/l

RT: 14.01 min Scan# 3941

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

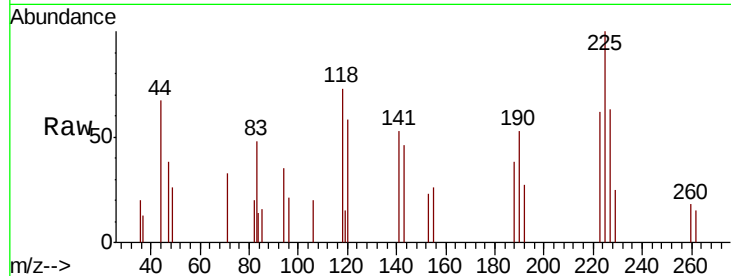
Tot Ion:225 Resp: 1184

Ion Ratio Lower Upper

225 100

223 54.1 52.4 78.6

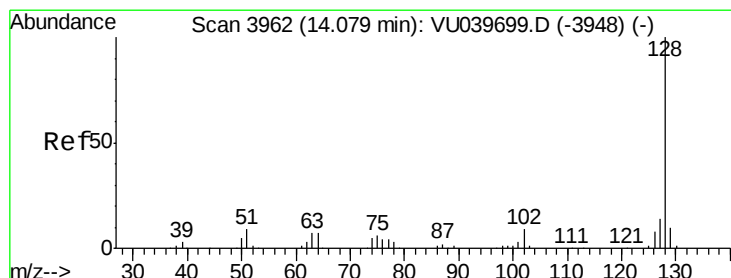
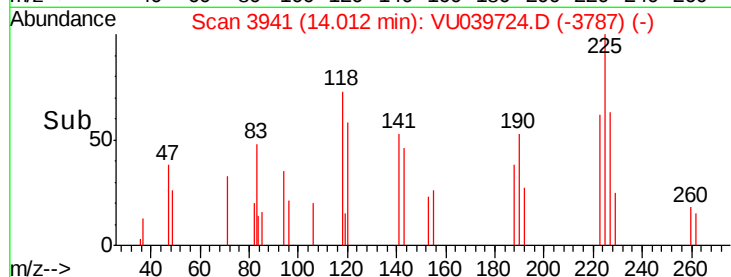
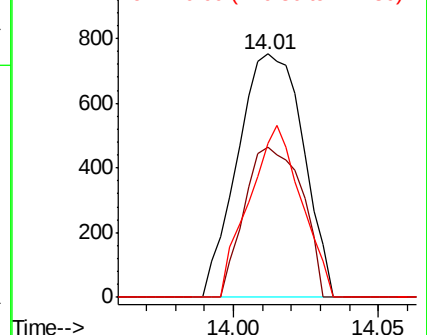
227 56.1 50.7 76.1



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: 0.236 ug/l

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

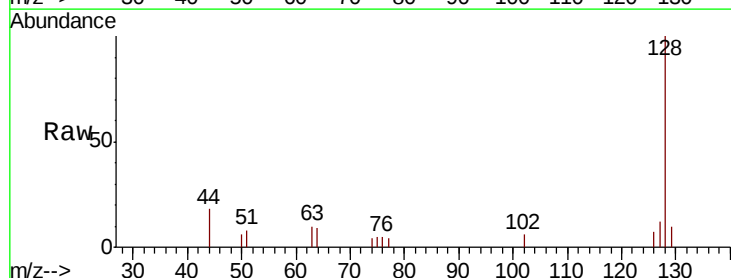
Tgt Ion:128 Resp: 4407

Ion Ratio Lower Upper

128 100

127 12.5 11.0 16.4

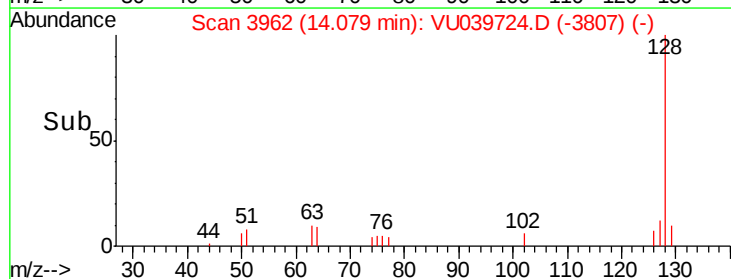
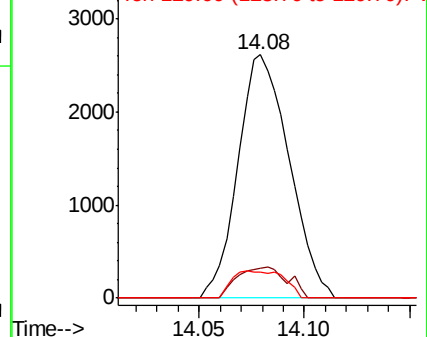
129 11.3 8.4 12.6

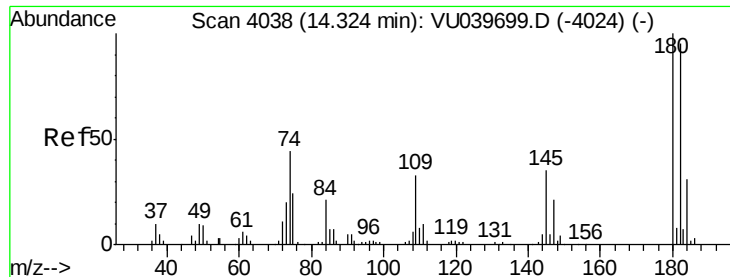


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#90

1,2,3-Trichlorobenzene

Concen: 0.263 ug/l

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039724.D

Acq: 30 Jul 2020 16:59

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

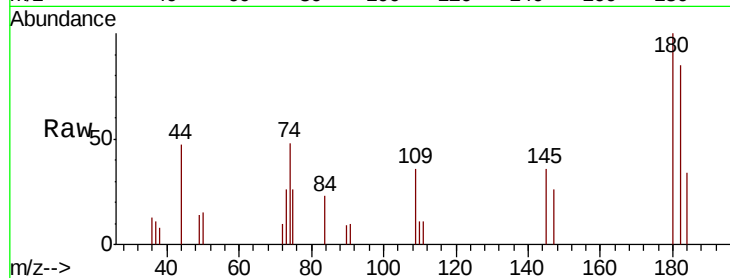
Tot Ion:180 Resp: 2161

Ion Ratio Lower Upper

180 100

182 90.1 76.0 114.0

145 32.3 27.8 41.6



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

