

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102220\
 Data File : VU040921.D
 Acq On : 23 Oct 2020 00:22
 Operator : SY/MD
 Sample : L4214-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Quant Time: Oct 23 07:05:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:00:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	52927	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	14702	0.76	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	16656	0.83	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	12351	0.500	ug/l 96
3) Chloromethane	1.53	50	13267	0.516	ug/l 99
4) Vinyl Chloride	1.61	62	12139	0.507	ug/l 98
5) Bromomethane	1.87	94	8303	0.590	ug/l 100
6) Chloroethane	1.94	64	8289	0.566	ug/l 95
7) Trichlorofluoromethane	2.15	101	15401	0.509	ug/l 99
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	8219	0.488	ug/l 95
9) 1,1-Dichloroethene	2.59	96	7289	0.497	ug/l 96
10) Iodomethane	2.74	142	6468	0.455	ug/l 94
11) Allyl Chloride	2.94	41	15532	0.515	ug/l 97
12) Acrylonitrile	3.35	53	5313	1.028	ug/l 96
13) Acetone	2.66	43	12507	2.892	ug/l 91
14) Carbon Disulfide	2.81	76	29508	0.536	ug/l 99
15) Methylene Chloride	3.06	84	12028	0.632	ug/l 95
16) trans-1,2-Dichloroethene	3.37	96	8642	0.521	ug/l 99
17) 1,1-Dichloroethane	3.89	63	17484	0.515	ug/l 98
18) 2-Butanone	4.76	43	17406	2.488	ug/l 96
19) Cyclohexane	5.39	56	14649	0.459	ug/l 93
20) Methylcyclohexane	6.77	83	8825	0.369	ug/l 93
21) 2,2-Dichloropropane	4.68	77	14347	0.501	ug/l 99
22) cis-1,2-Dichloroethene	4.68	96	8550	0.483	ug/l 88
23) Diethyl Ether	2.39	59	6787	0.469	ug/l 95
24) tert-Butyl Alcohol	3.20	59	1246	0.772	ug/l # 72
25) Methyl tert-Butyl Ether	3.39	73	22356	0.492	ug/l # 78
26) Bromochloromethane	4.99	128	3636	0.473	ug/l 88
27) Chloroform	5.11	83	16550	0.510	ug/l 95
28) 1,1,1-Trichloroethane	5.33	97	14425	0.516	ug/l 97
29) 1,1-Dichloropropene	5.53	75	12423	0.507	ug/l 95
30) Carbon Tetrachloride	5.53	117	12666	0.501	ug/l 96
31) Isopropyl Ether	4.02	45	24737	0.471	ug/l 84
32) Ethyl-t-butyl ether	4.53	59	22240	0.481	ug/l 100
33) Tert-Amyl methyl ether	5.96	73	14432	0.419	ug/l 98
34) Propionitrile	4.82	54	3732	1.943	ug/l # 80
35) Benzene	5.79	78	31270	0.461	ug/l 97
36) 1,2-Dichloroethane	5.81	62	13392	0.532	ug/l 100
37) Trichloroethene	6.56	130	7526	0.469	ug/l 99
38) 1,2-Dichloropropane	6.80	63	8844	0.459	ug/l 99
39) Methacrylonitrile	5.00	41	5672	0.630	ug/l # 83
40) Methyl acrylate	4.87	55	5843	0.473	ug/l # 92
41) Tetrahydrofuran	5.09	42	6234	1.346	ug/l # 68
42) 1-Chlorobutane	5.47	56	18047	0.487	ug/l 98

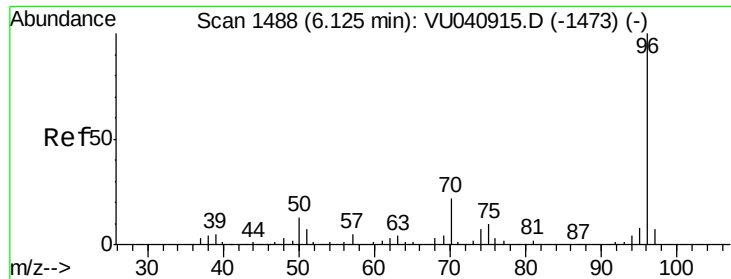
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102220\
 Data File : VU040921.D
 Acq On : 23 Oct 2020 00:22
 Operator : SY/MD
 Sample : L4214-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Quant Time: Oct 23 07:05:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:00:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	5270	0.488	ug/l	90
44) Bromodichloromethane	7.12	83	12468	0.497	ug/l #	98
45) 4-Methyl-2-Pentanone	7.81	43	26969	1.903	ug/l	99
46) t-1,4-Dichloro-2-butene	10.83	75	10495	1.872	ug/l #	50
47) Methyl methacrylate	6.98	69	6746	0.748	ug/l	92
48) Ethyl methacrylate	8.34	69	5548	0.366	ug/l	93
49) Toluene	7.97	92	13835	0.370	ug/l	96
50) t-1,3-Dichloropropene	8.22	75	8603	0.397	ug/l	97
51) cis-1,3-Dichloropropene	7.62	75	9253	0.390	ug/l #	88
52) 1,1,2-Trichloroethane	8.41	97	6899	0.505	ug/l	97
53) 1,3-Dichloropropane	8.58	76	10557	0.431	ug/l	95
54) 2-Hexanone	8.70	43	19308	1.950	ug/l	92
55) Dibromochloromethane	8.82	129	7351	0.449	ug/l	94
56) 1,2-Dibromoethane	8.93	107	5840	0.461	ug/l	96
58) Tetrachloroethene	8.56	164	6687	0.446	ug/l	96
59) Chlorobenzene	9.45	112	16401	0.415	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.54	131	6820	0.439	ug/l	93
61) Pentachloroethane	11.42	117	5530	0.441	ug/l	86
62) Hexachloroethane	12.47	117	6033	0.472	ug/l	95
63) Ethyl Benzene	9.57	91	22554	0.344	ug/l	97
64) m/p-Xylenes	9.69	106	16268	0.652	ug/l	98
65) o-Xylene	10.10	106	7165	0.312	ug/l	86
66) Styrene	10.11	104	12508	0.308	ug/l	98
67) Bromoform	10.29	173	3697	0.417	ug/l	95
69) Isopropylbenzene	10.48	105	19538	0.319	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.78	83	9429	0.508	ug/l #	94
71) 1,2,3-Trichloropropane	10.83	75	10495	0.741	ug/l	73
72) Bromobenzene	10.78	156	6325	0.396	ug/l	96
73) n-propylbenzene	10.91	120	5155	0.294	ug/l	83
74) 2-Chlorotoluene	10.98	126	5351	0.336	ug/l	100
75) 1,3,5-Trimethylbenzene	11.09	105	16927	0.309	ug/l	98
76) 4-Chlorotoluene	11.09	126	5582	0.338	ug/l	94
77) tert-Butylbenzene	11.42	119	16979	0.328	ug/l	94
78) 1,2,4-Trimethylbenzene	11.47	105	16100	0.287	ug/l	98
79) sec-Butylbenzene	11.64	105	23301	0.324	ug/l	99
80) Nitrobenzene	13.20	77	2062	2.347	ug/l #	83
81) p-Isopropyltoluene	11.79	119	16436	0.278	ug/l	95
82) 1,3-Dichlorobenzene	11.74	146	13239	0.380	ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	12220	0.347	ug/l	96
84) n-Butylbenzene	12.20	91	18577	0.308	ug/l	95
85) 1,2-Dichlorobenzene	12.20	146	13400	0.402	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	1732	0.500	ug/l	87
87) 1,2,4-Trichlorobenzene	13.83	180	7046	0.360	ug/l	98
88) Hexachlorobutadiene	14.01	225	4687	0.427	ug/l	93
89) Naphthalene	14.08	128	12631	0.334	ug/l	99
90) 1,2,3-Trichlorobenzene	14.32	180	6887	0.362	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. 0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 96 Resp: 52927

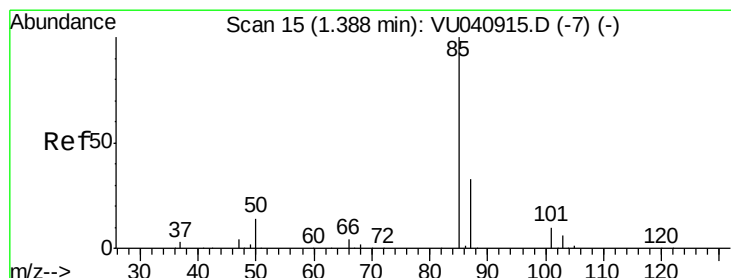
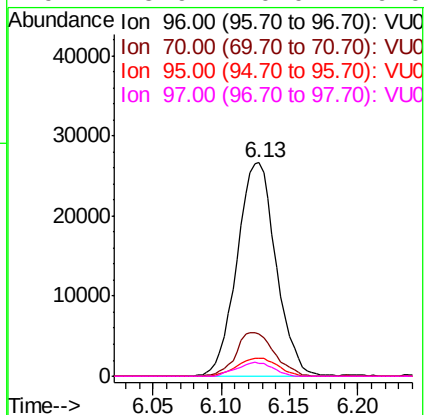
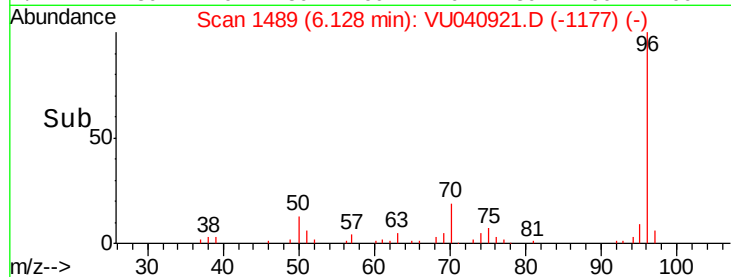
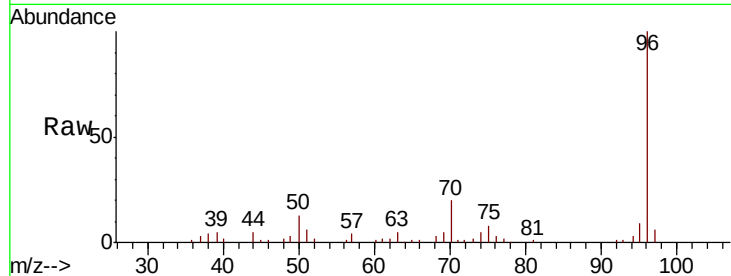
Ion Ratio Lower Upper

96 100

70 20.2 16.3 24.5

95 8.7 7.3 10.9

97 5.9 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.500 ug/l

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040921.D

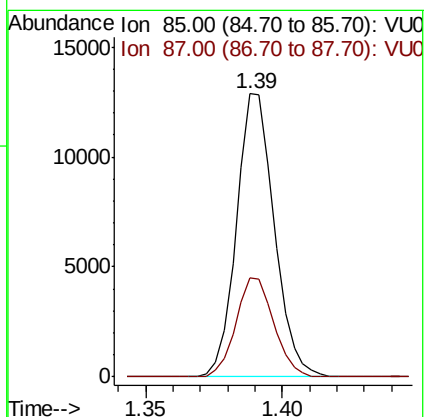
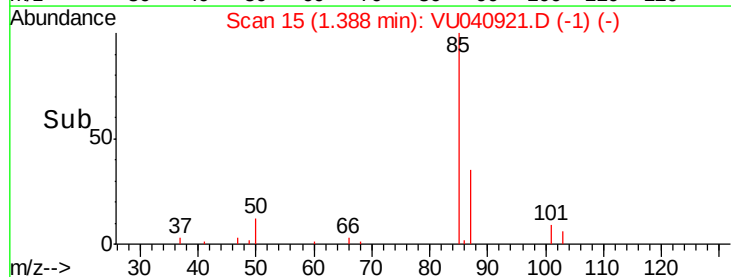
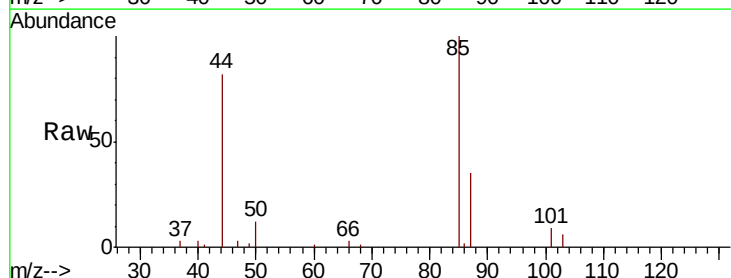
Acq: 23 Oct 2020 00:22

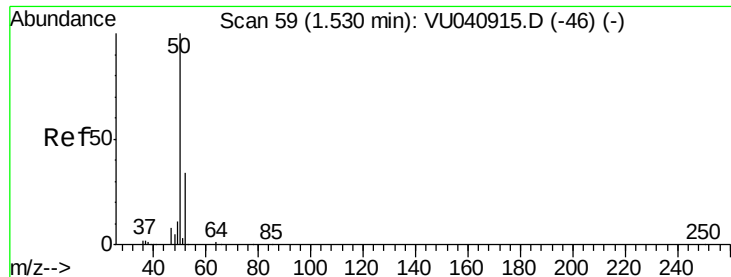
Tgt Ion: 85 Resp: 12351

Ion Ratio Lower Upper

85 100

87 35.1 16.5 49.5





#3

Chloromethane

Concen: 0.516 ug/l

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

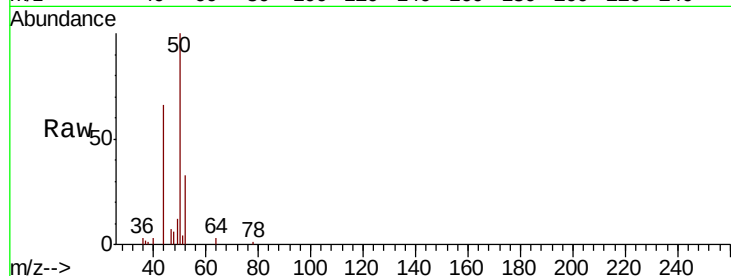
LOQ-WATER-02-QT4-2020

Tot Ion: 50 Resp: 13267

Ion Ratio Lower Upper

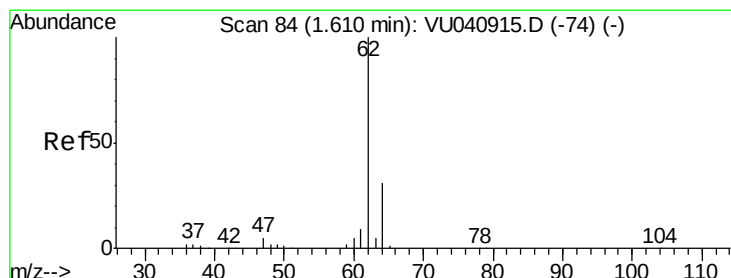
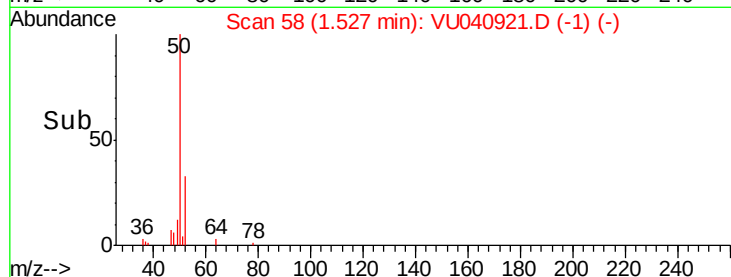
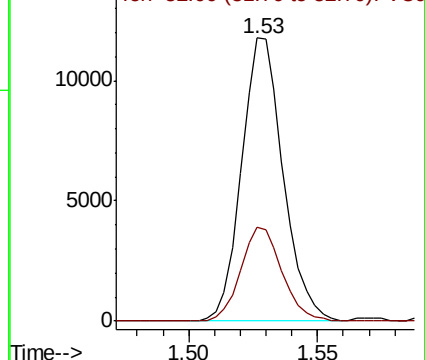
50 100

52 33.2 26.9 40.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 0.507 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040921.D

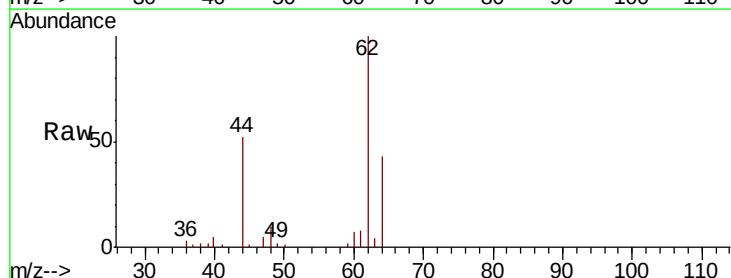
Acq: 23 Oct 2020 00:22

Tgt Ion: 62 Resp: 12139

Ion Ratio Lower Upper

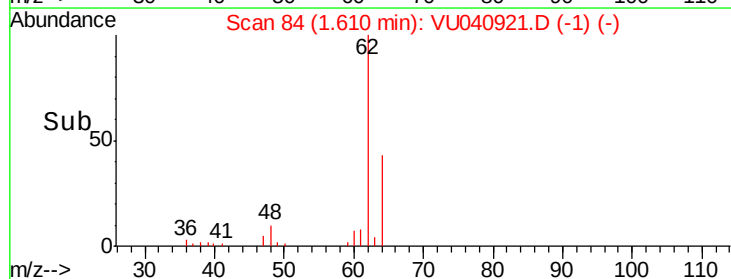
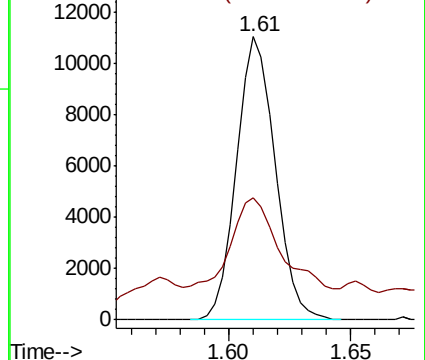
62 100

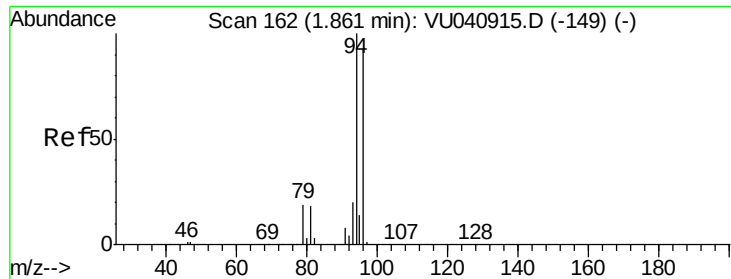
64 32.2 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.590 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

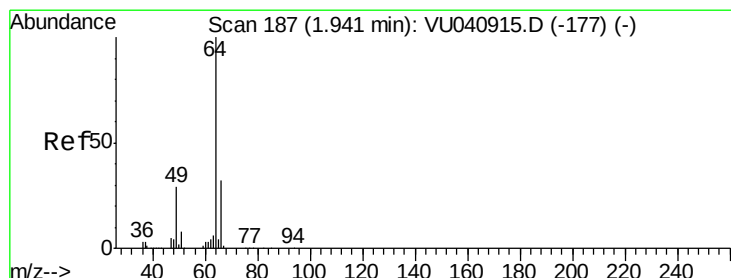
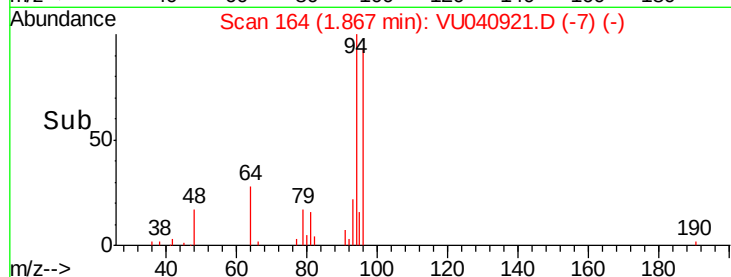
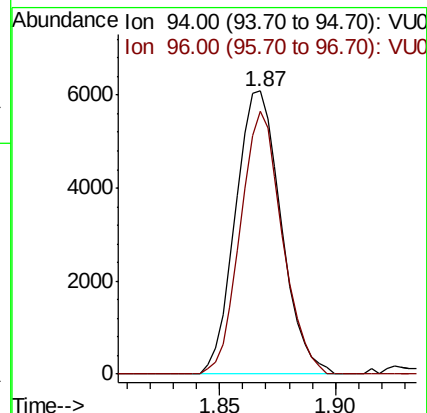
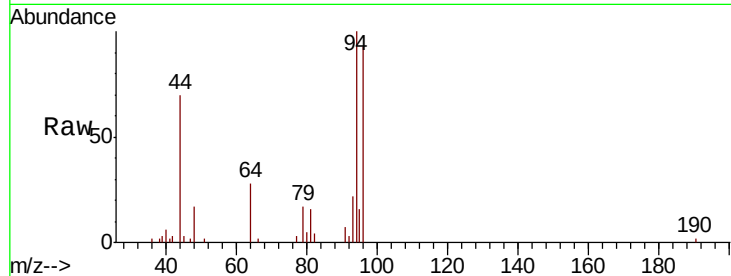
LOQ-WATER-02-QT4-2020

Tot Ion: 94 Resp: 8303

Ion Ratio Lower Upper

94 100

96 92.7 74.4 111.6



#6

Chloroethane

Concen: 0.566 ug/l

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040921.D

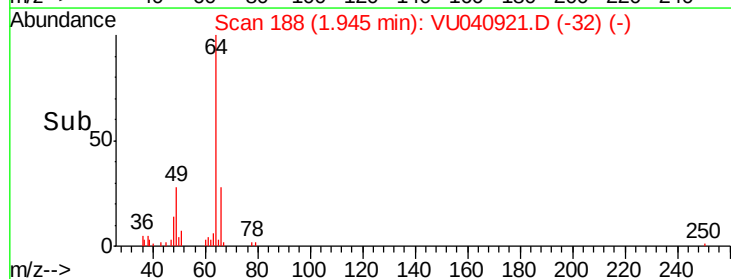
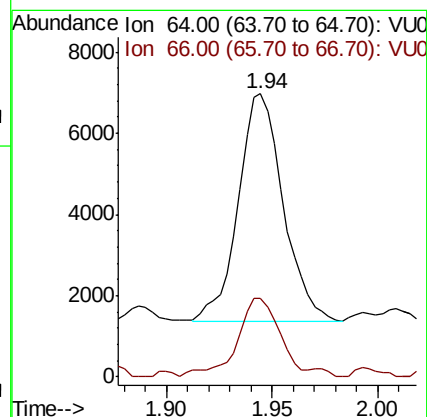
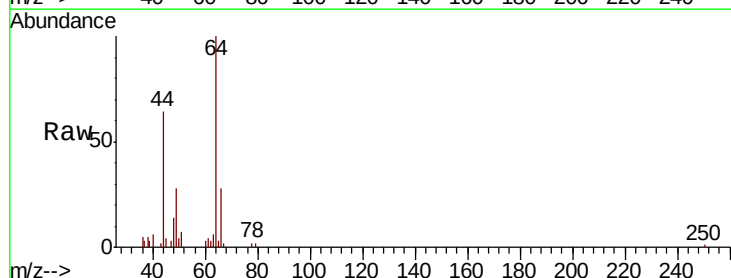
Acq: 23 Oct 2020 00:22

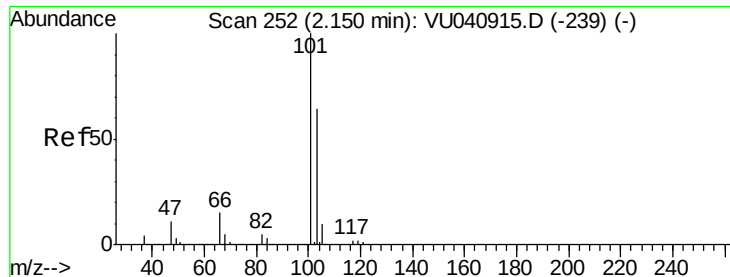
Tgt Ion: 64 Resp: 8289

Ion Ratio Lower Upper

64 100

66 34.8 25.4 38.2



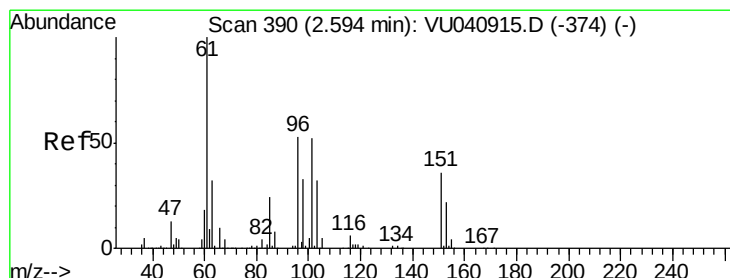
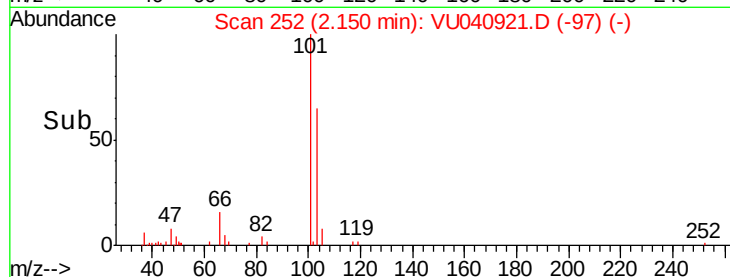
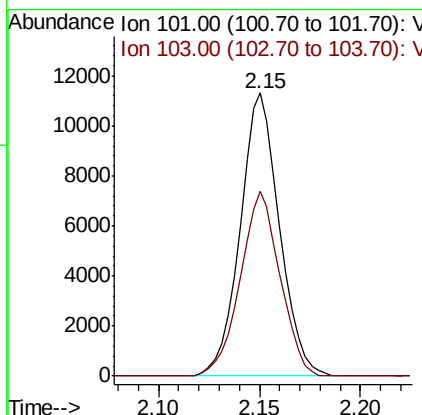
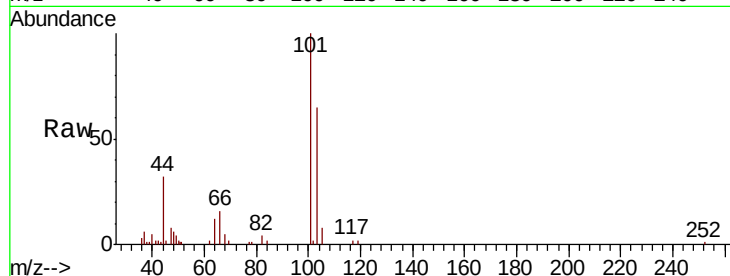


#7

Trichlorofluoromethane
Concen: 0.509 ug/l
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

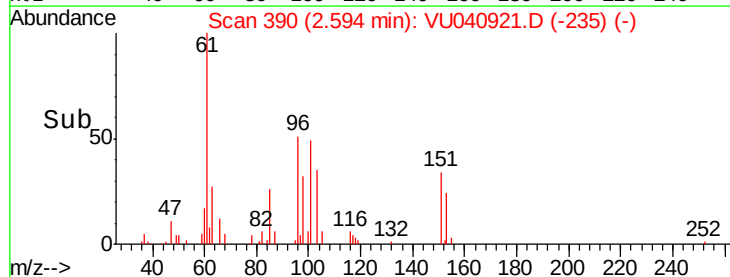
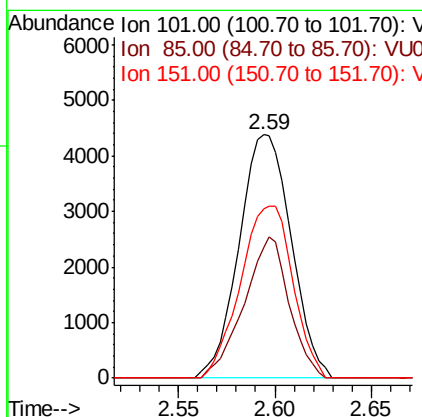
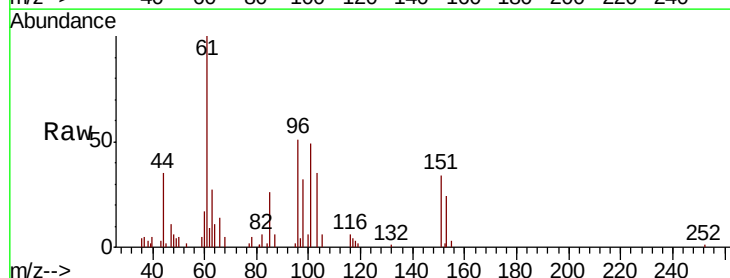
Tot Ion:101 Resp: 15401
Ion Ratio Lower Upper
101 100
103 65.4 51.5 77.3

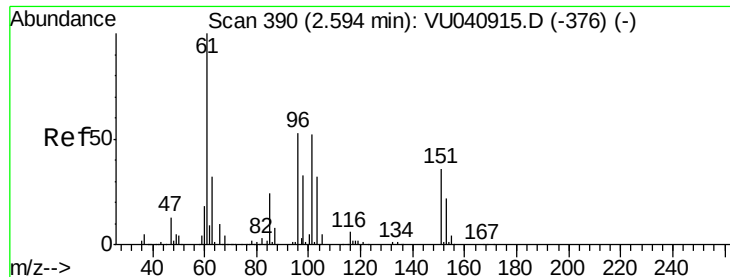


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.488 ug/l
RT: 2.59 min Scan# 390
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion:101 Resp: 8219
Ion Ratio Lower Upper
101 100
85 50.4 36.2 54.2
151 71.2 55.1 82.7





#9

1,1-Dichloroethene

Concen: 0.497 ug/l

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

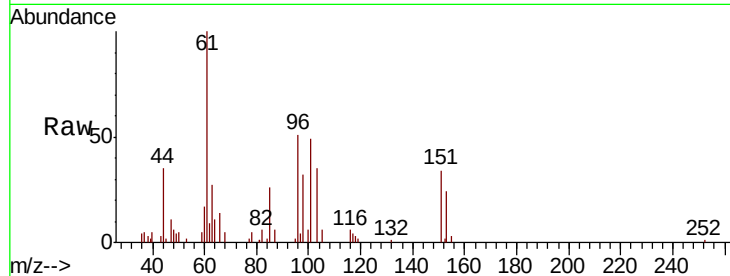
Tot Ion: 96 Resp: 7289

Ion Ratio Lower Upper

96 100

61 195.7 0.0 561.9

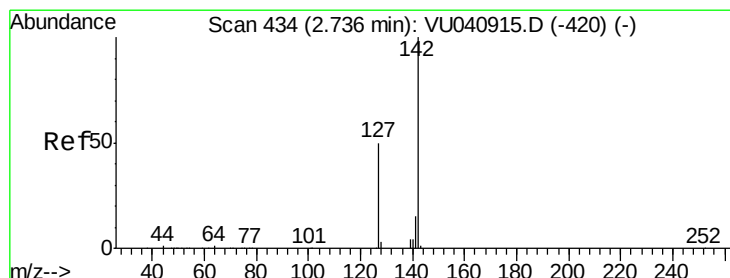
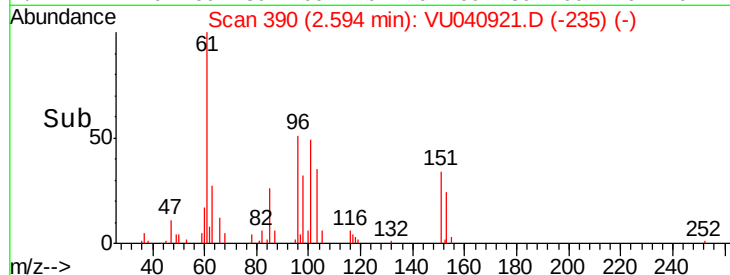
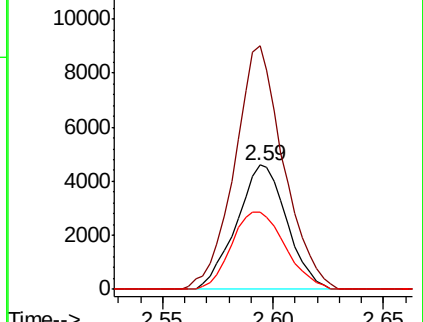
98 62.1 0.0 125.0



Abundance Ion 96.00 (95.70 to 96.70): VU040921.D (-235) (-)

Ion 61.00 (60.70 to 61.70): VU040921.D (-235) (-)

Ion 98.00 (97.70 to 98.70): VU040921.D (-235) (-)



#10

Iodomethane

Concen: 0.455 ug/l

RT: 2.74 min Scan# 435

Delta R.T. 0.00 min

Lab File: VU040921.D

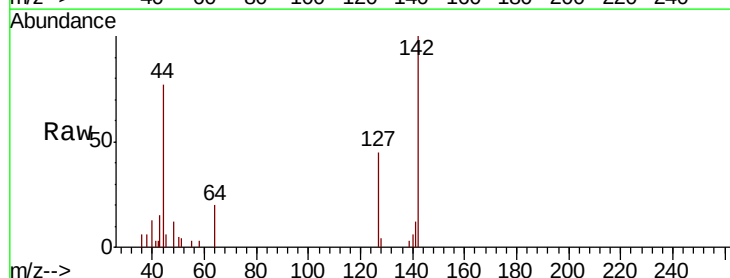
Acq: 23 Oct 2020 00:22

Tgt Ion: 142 Resp: 6468

Ion Ratio Lower Upper

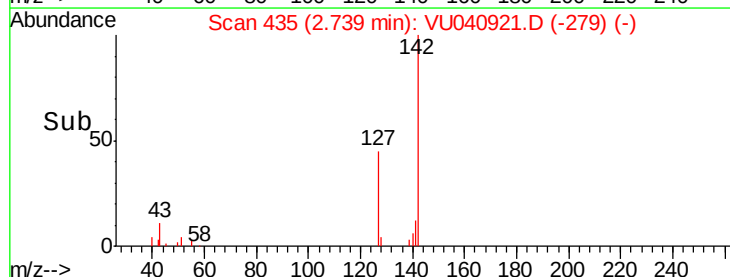
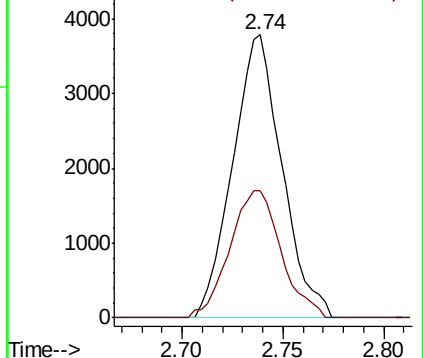
142 100

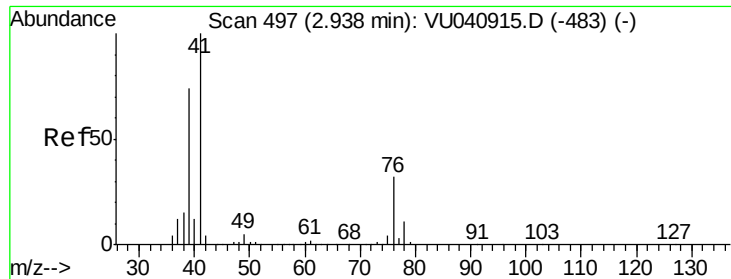
127 46.9 40.6 60.8



Abundance Ion 142.00 (141.70 to 142.70): VU040921.D (-279) (-)

Ion 127.00 (126.70 to 127.70): VU040921.D (-279) (-)

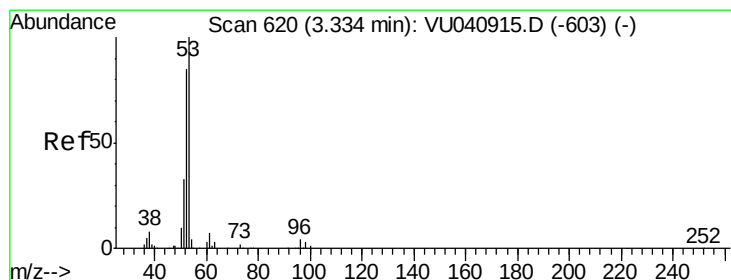
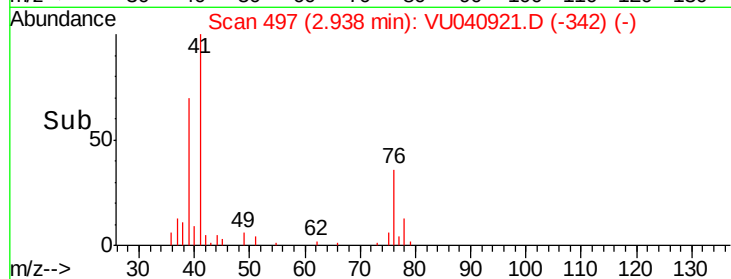
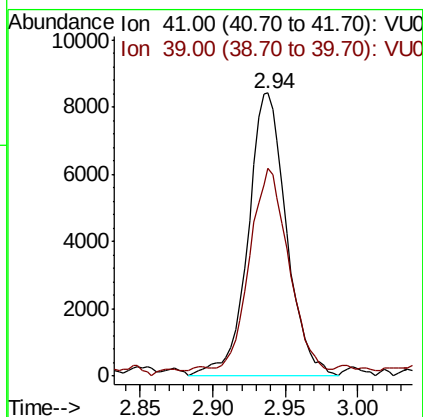
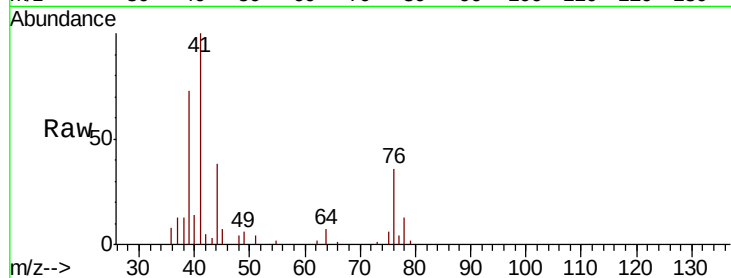




#11
 Allvl Chloride
 Concen: 0.515 ug/l
 RT: 2.94 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

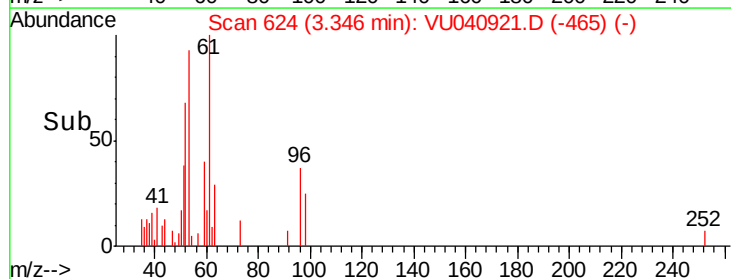
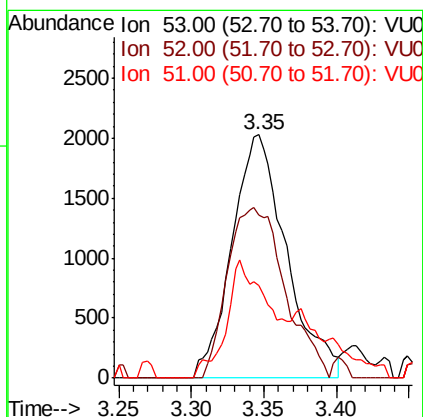
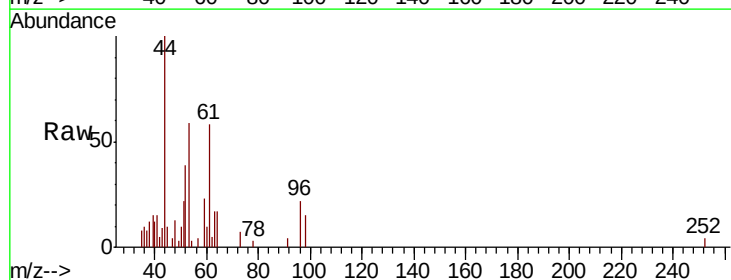
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

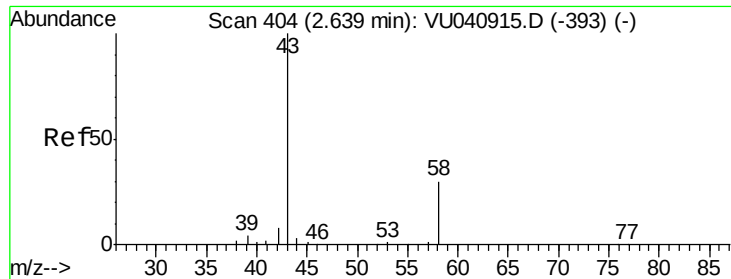
Tot Ion: 41 Resp: 15532
 Ion Ratio Lower Upper
 41 100
 39 71.1 59.0 88.4



#12
 Acrylonitrile
 Concen: 1.028 ug/l
 RT: 3.35 min Scan# 624
 Delta R.T. 0.01 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion: 53 Resp: 5313
 Ion Ratio Lower Upper
 53 100
 52 73.8 63.1 94.7
 51 37.9 30.6 46.0





#13

Acetone

Concen: 2.892 ug/l

RT: 2.66 min Scan# 410

Delta R.T. 0.02 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

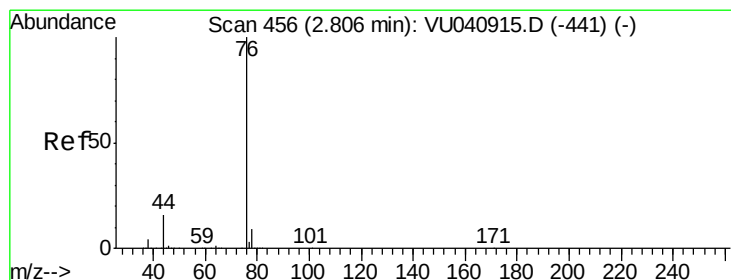
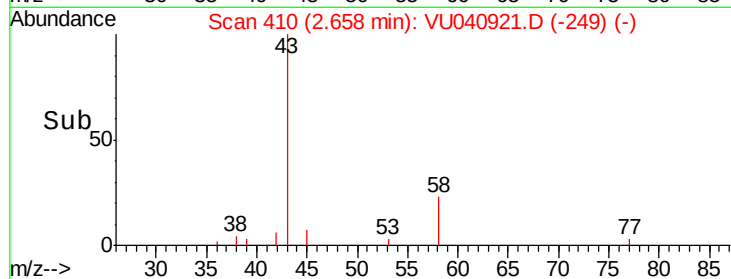
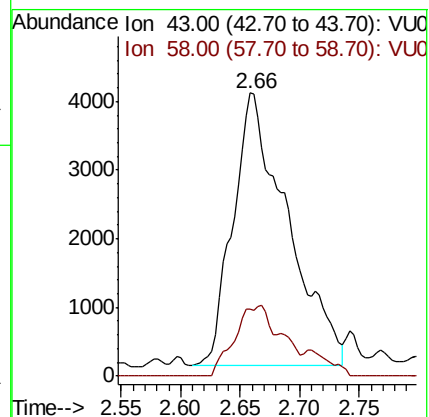
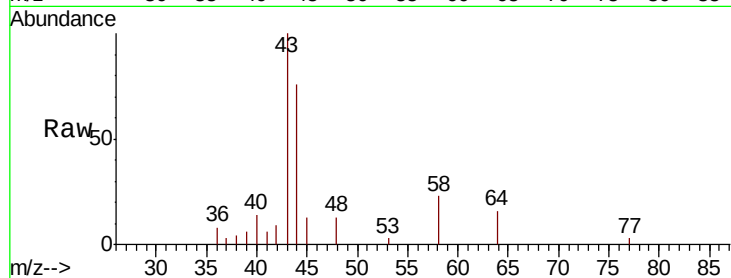
LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 12507

Ion Ratio Lower Upper

43 100

58 24.4 23.6 35.4



#14

Carbon Disulfide

Concen: 0.536 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040921.D

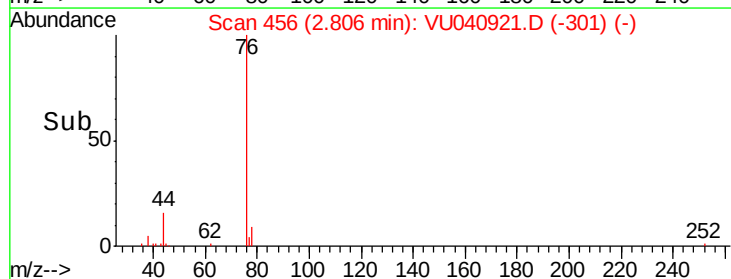
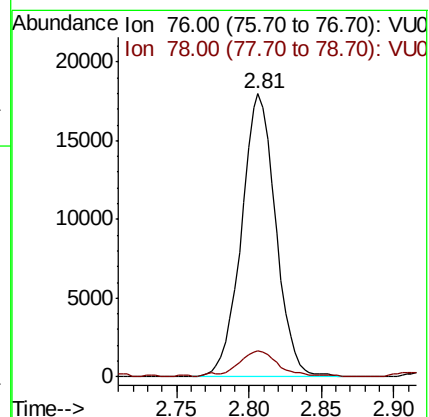
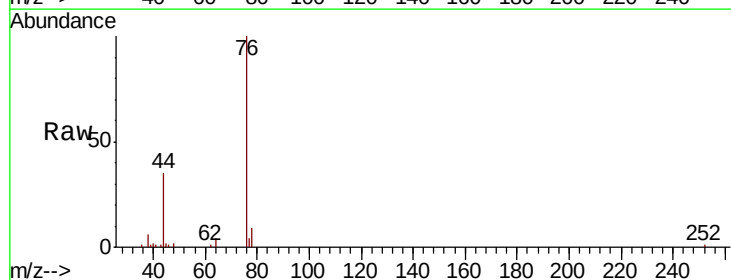
Acq: 23 Oct 2020 00:22

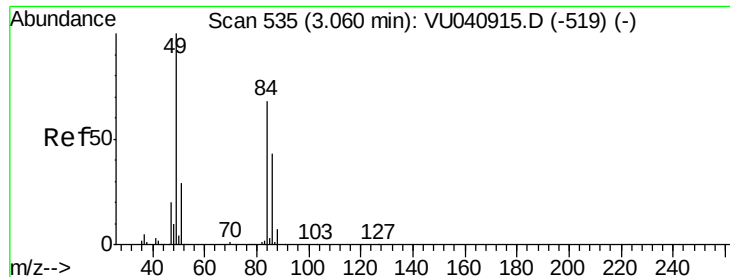
Tgt Ion: 76 Resp: 29508

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

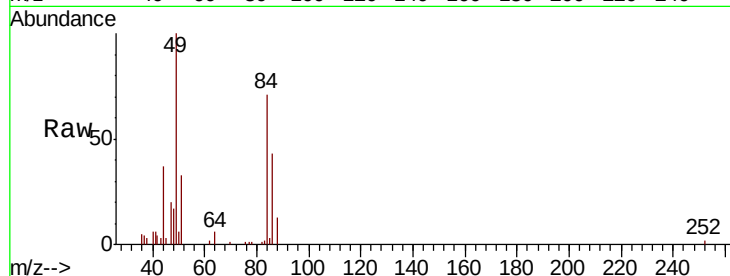




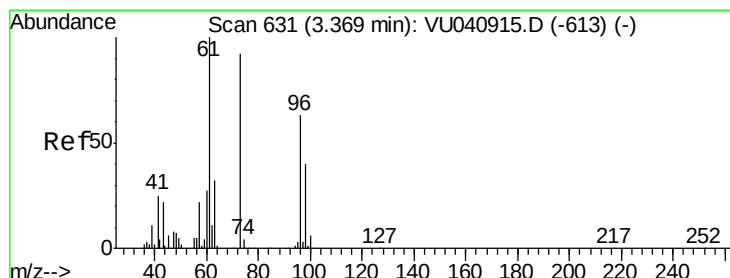
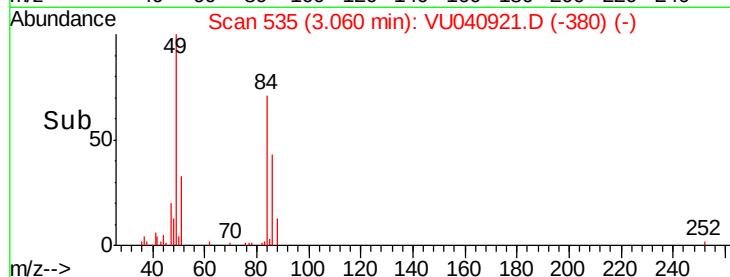
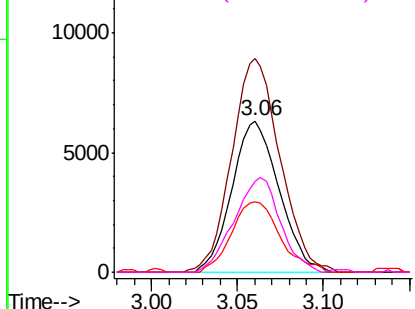
#15
Methylene Chloride
Concen: 0.632 ug/l
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion:	84	Resp:	12028
Ion	Ratio	Lower	Upper
84	100		
49	141.2	118.2	177.4
51	46.9	0.0	86.8
86	60.2	51.2	76.8

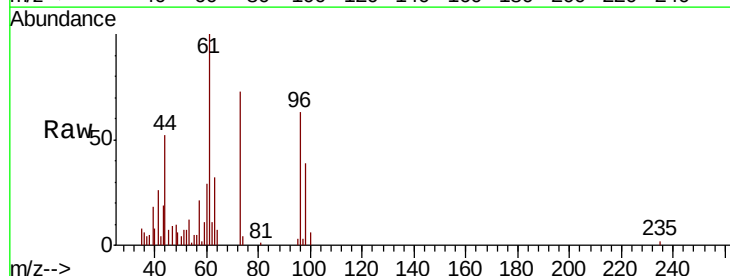


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

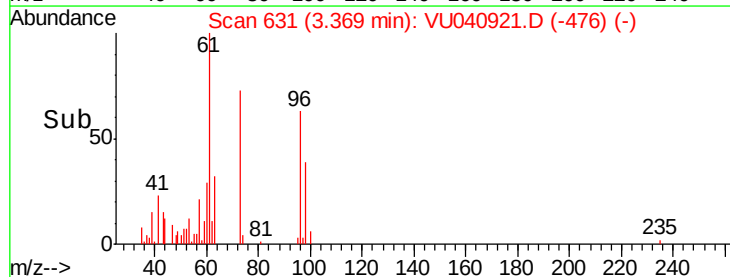
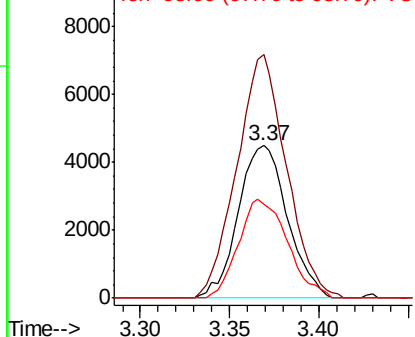


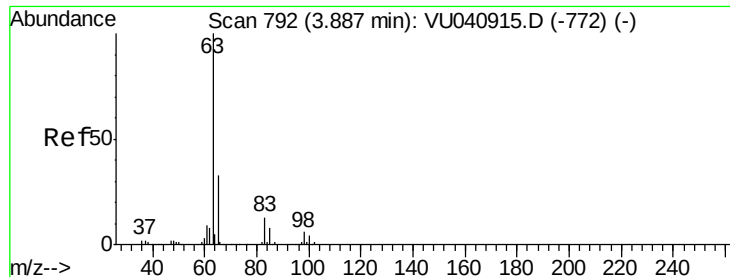
#16
trans-1,2-Dichloroethene
Concen: 0.521 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion:	96	Resp:	8642
Ion	Ratio	Lower	Upper
96	100		
61	159.8	127.0	190.4
98	61.7	51.2	76.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

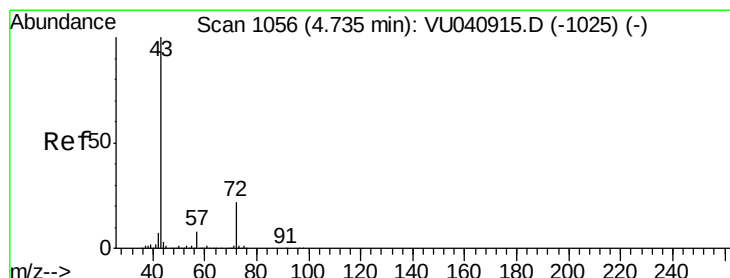
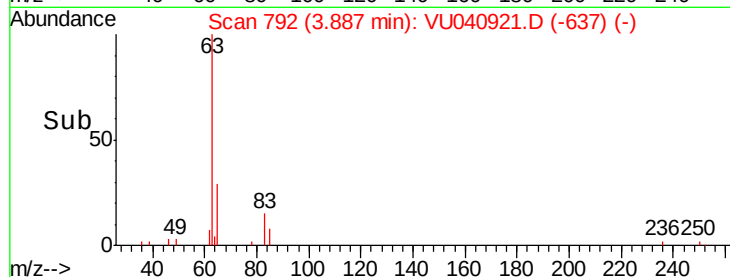
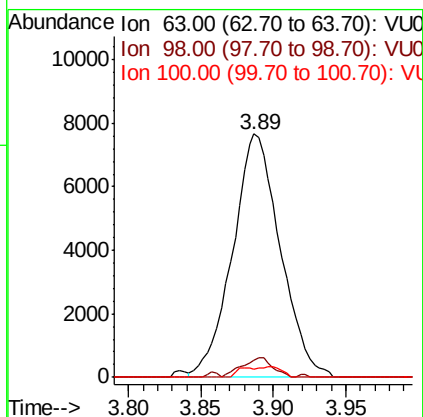
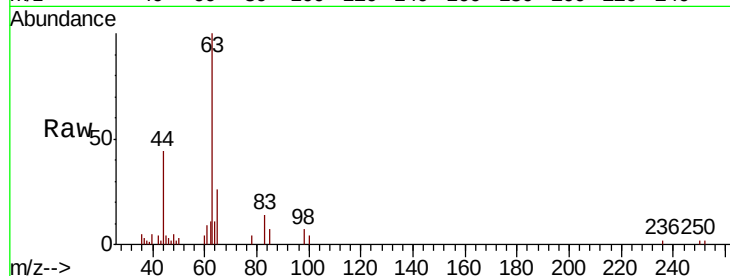




#17
 1,1-Dichloroethane
 Concen: 0.515 ug/l
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

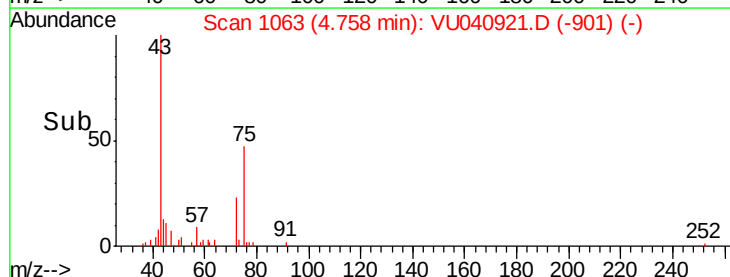
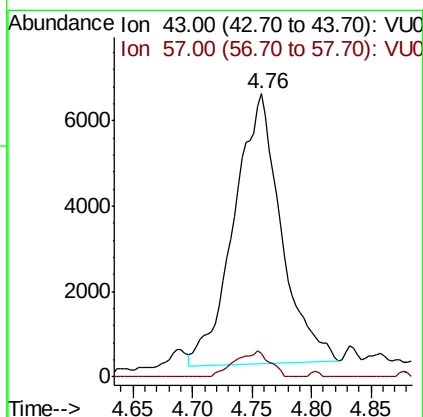
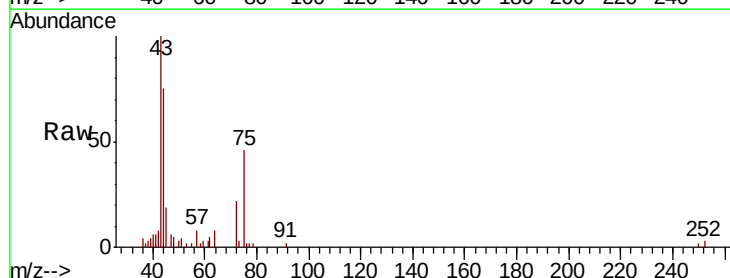
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

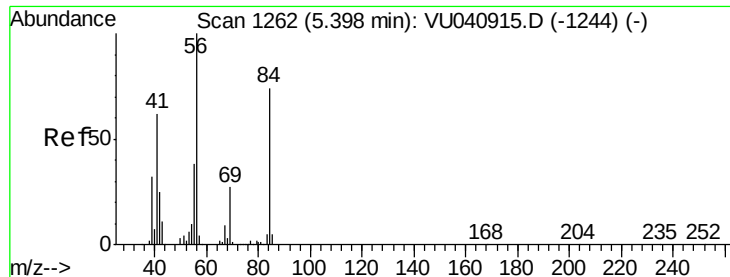
Tot Ion: 63 Resp: 17484
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.0 9.2
 100 3.6 1.8 5.5



#18
 2-Butanone
 Concen: 2.488 ug/l
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.02 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion: 43 Resp: 17406
 Ion Ratio Lower Upper
 43 100
 57 8.8 0.0 15.2

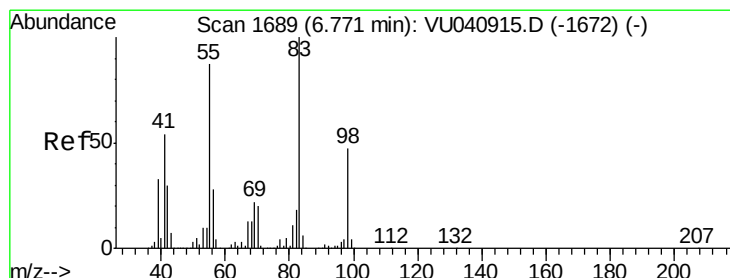
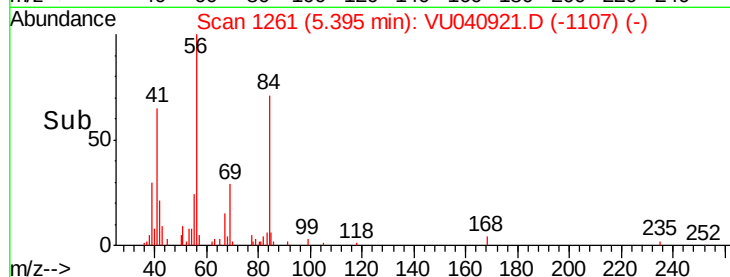
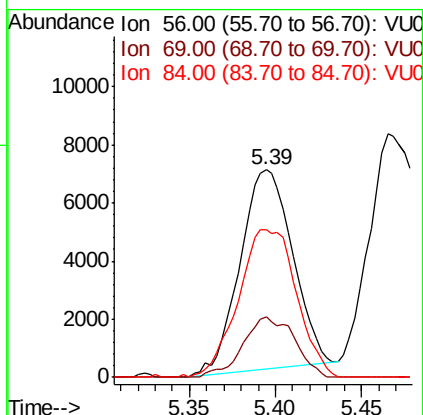
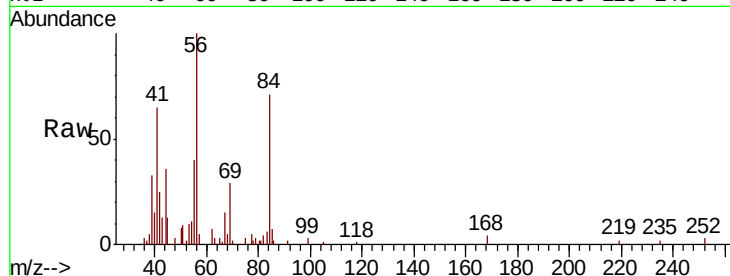




#19
Cyclohexane
Concen: 0.459 ug/l
RT: 5.39 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

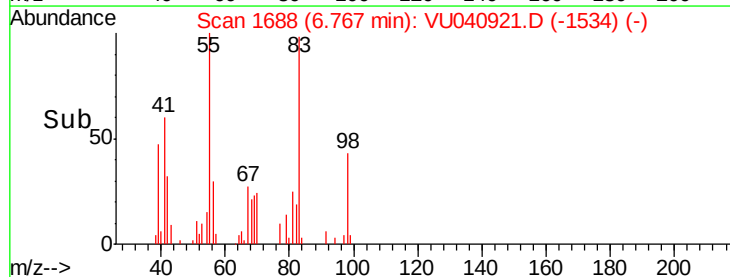
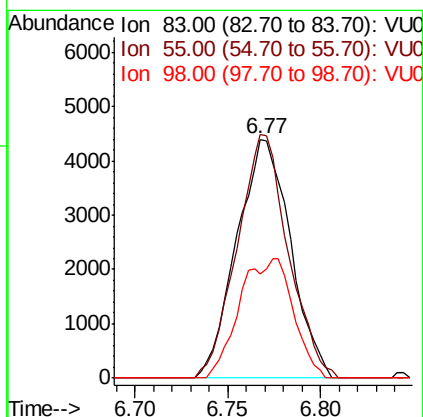
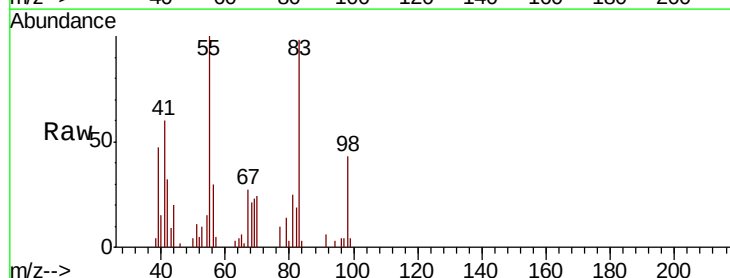
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

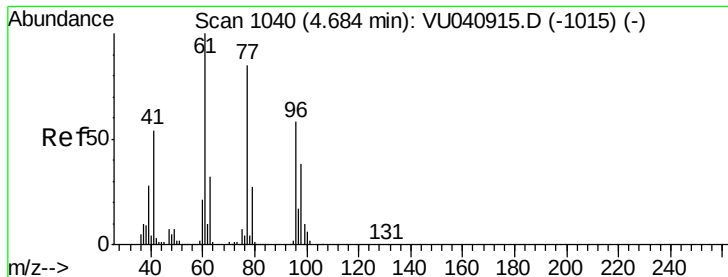
Tot Ion: 56 Resp: 14649
Ion Ratio Lower Upper
56 100
69 29.6 22.2 33.2
84 81.7 60.1 90.1



#20
Methylcyclohexane
Concen: 0.369 ug/l
RT: 6.77 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion: 83 Resp: 8825
Ion Ratio Lower Upper
83 100
55 97.0 71.0 106.4
98 50.0 38.1 57.1

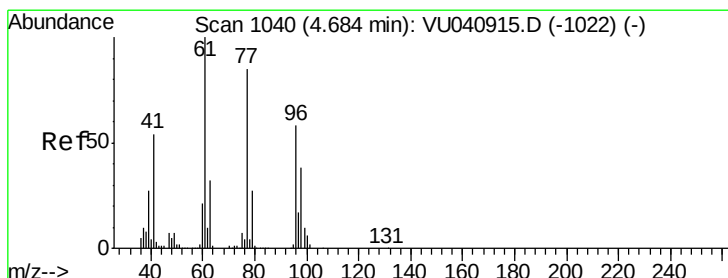
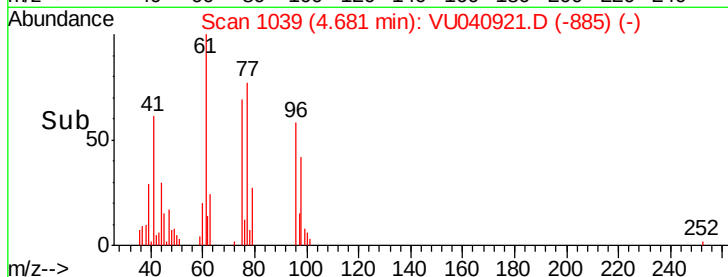
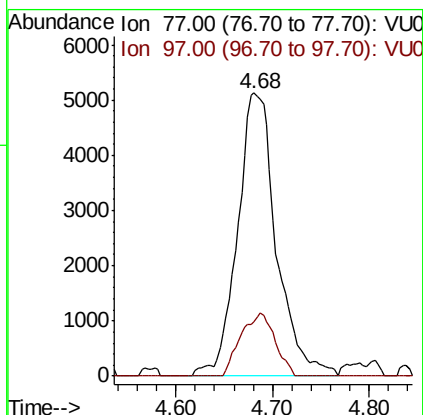
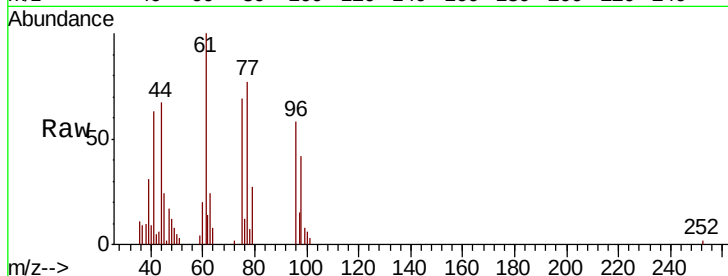




#21
 2,2-Dichloropropane
 Concen: 0.501 ug/l
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

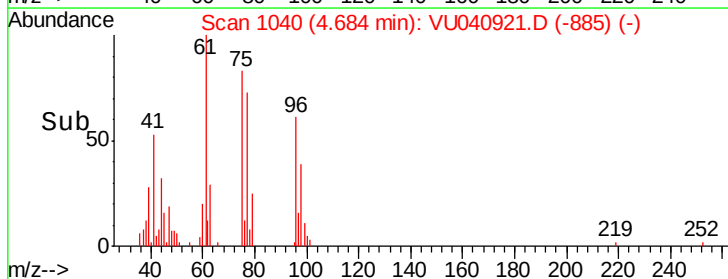
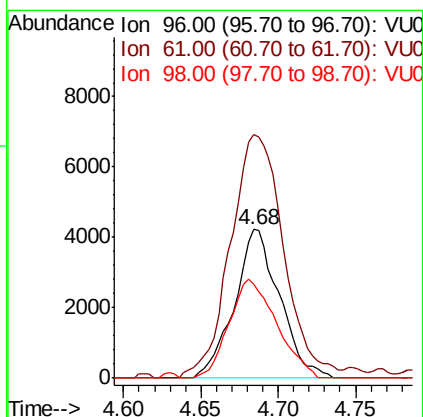
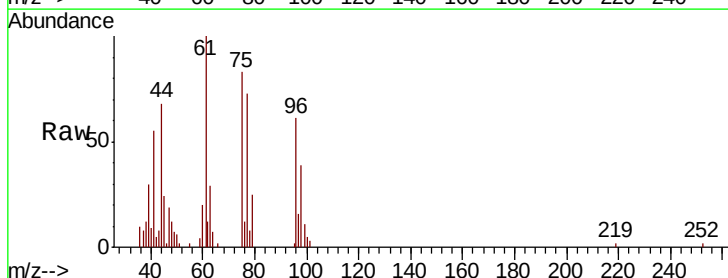
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

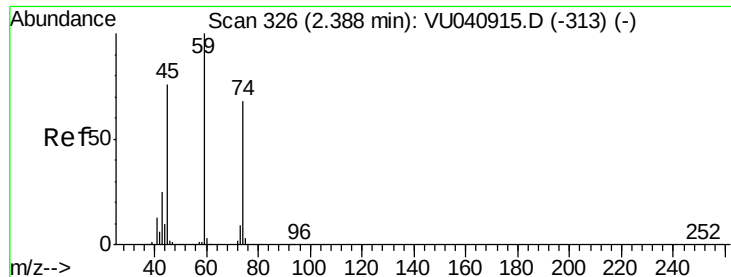
Tot Ion: 77 Resp: 14347
 Ion Ratio Lower Upper
 77 100
 97 19.5 16.0 24.0



#22
 cis-1,2-Dichloroethene
 Concen: 0.483 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion: 96 Resp: 8550
 Ion Ratio Lower Upper
 96 100
 61 194.1 0.0 434.5
 98 70.0 32.6 97.8

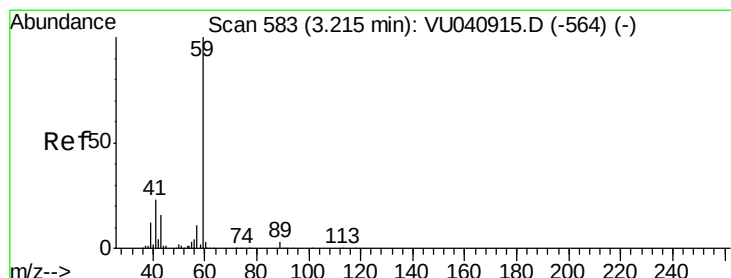
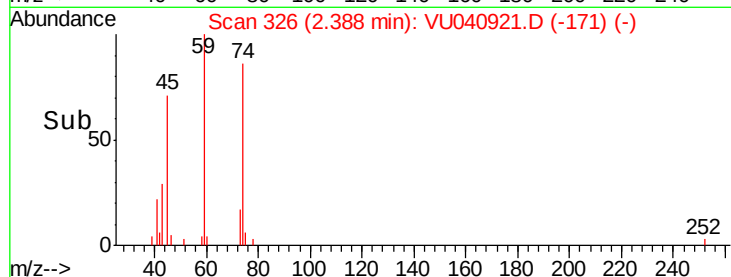
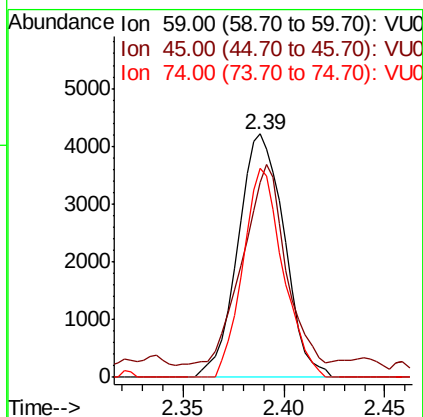
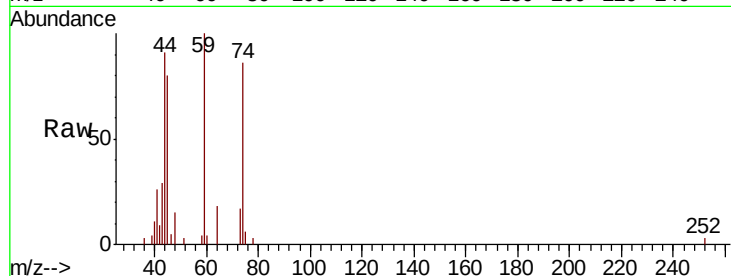




#23
Diethyl Ether
Concen: 0.469 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

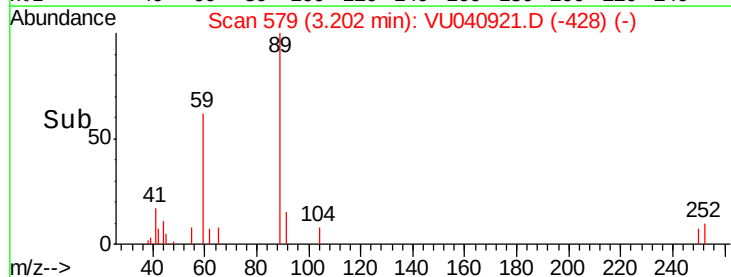
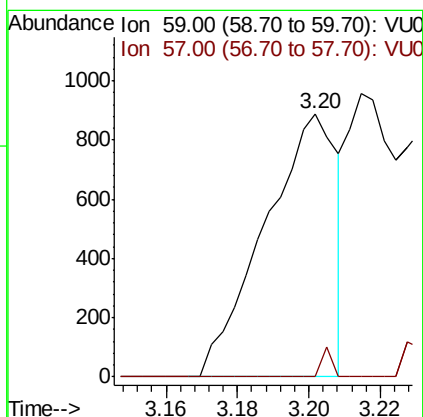
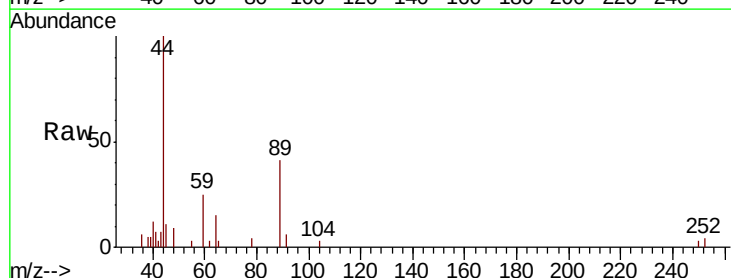
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

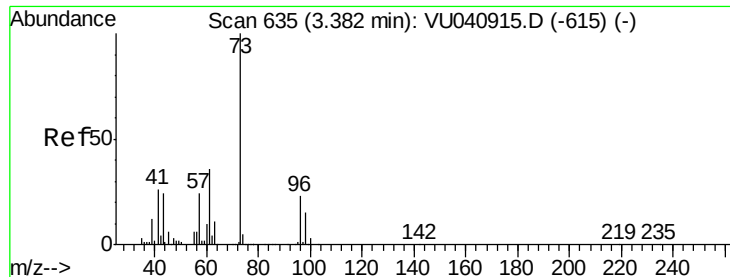
Tot Ion: 59 Resp: 6787
Ion Ratio Lower Upper
59 100
45 74.7 61.4 92.2
74 74.4 55.0 82.4



#24
tert-Butyl Alcohol
Concen: 0.772 ug/l
RT: 3.20 min Scan# 579
Delta R.T. -0.01 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion: 59 Resp: 1246
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



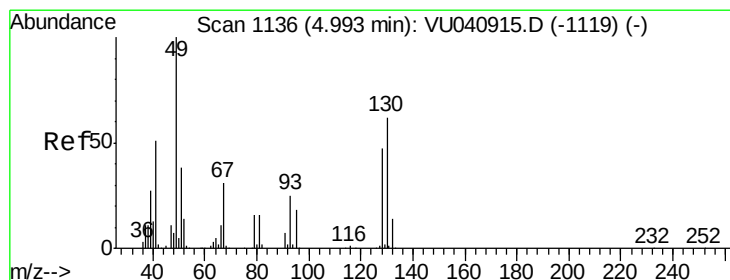
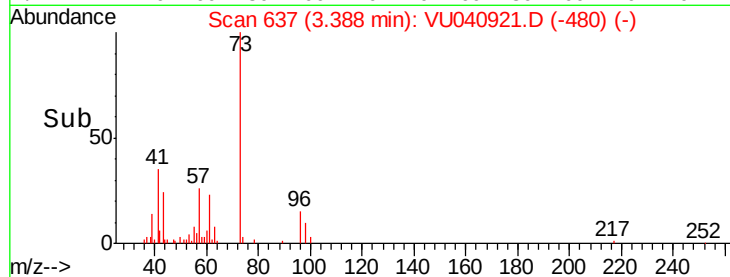
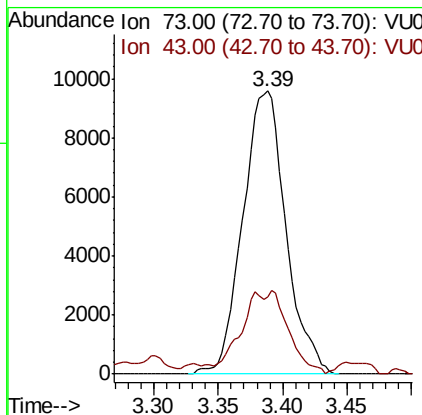
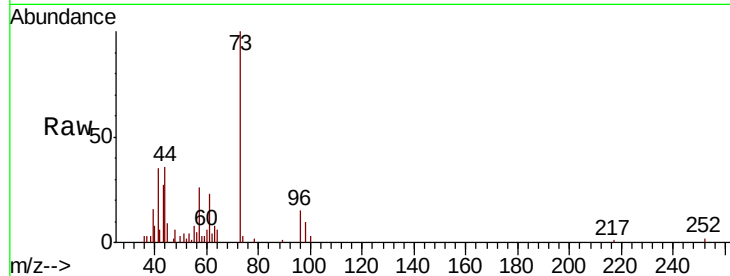


#25

Methvl tert-Butyl Ether
 Concen: 0.492 ug/l
 RT: 3.39 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

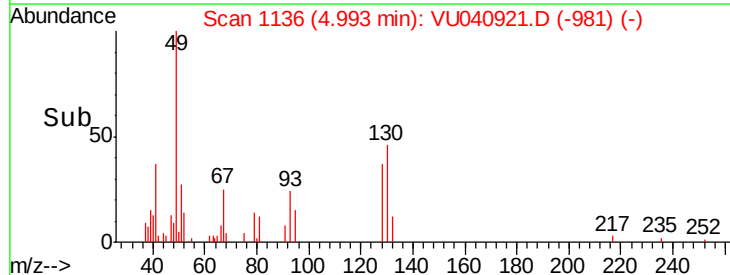
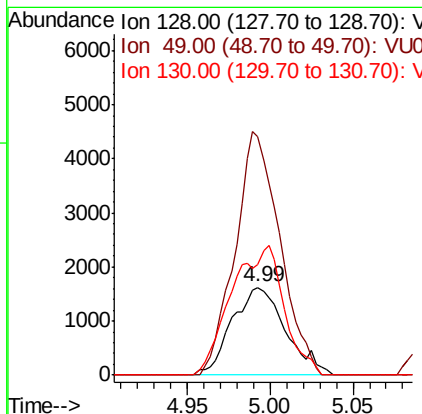
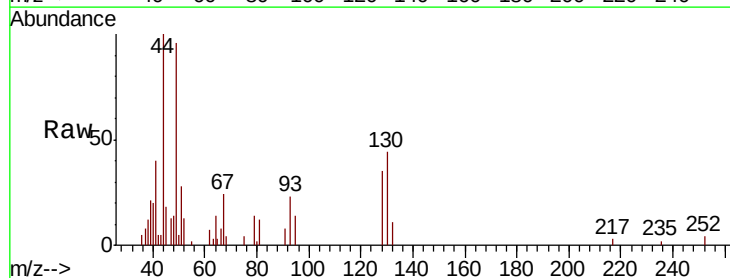
Tot Ion: 73 Resp: 22356
 Ion Ratio Lower Upper
 73 100
 43 13.1 19.0 28.6#

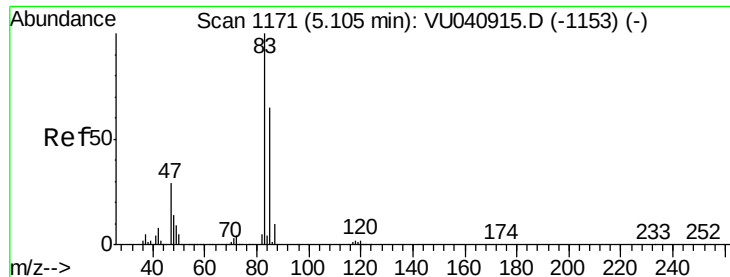


#26

Bromochloromethane
 Concen: 0.473 ug/l
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion: 128 Resp: 3636
 Ion Ratio Lower Upper
 128 100
 49 232.5 0.0 426.4
 130 145.8 106.2 159.4





#27

Chloroform

Concen: 0.510 ug/l

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

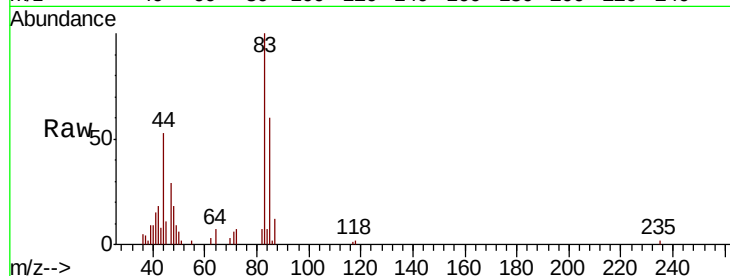
LOQ-WATER-02-QT4-2020

Tot Ion: 83 Resp: 16550

Ion Ratio Lower Upper

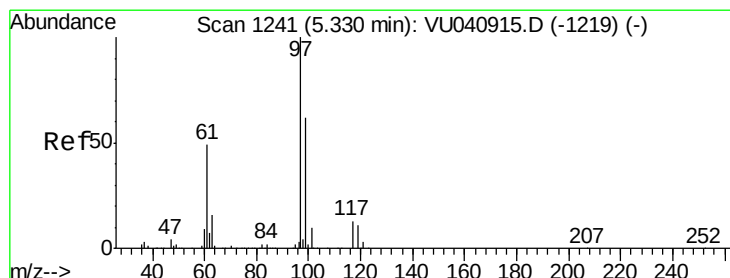
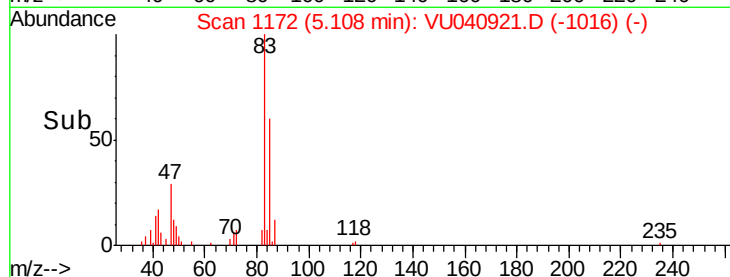
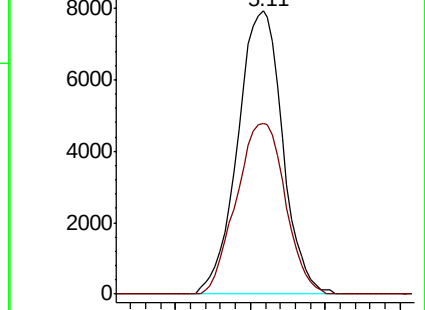
83 100

85 60.4 0.0 129.0



Abundance Ion 83.00 (82.70 to 83.70): VU040921.D (-1153) (-)

Ion 85.00 (84.70 to 85.70): VU040921.D (-1153) (-)



#28

1,1,1-Trichloroethane

Concen: 0.516 ug/l

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

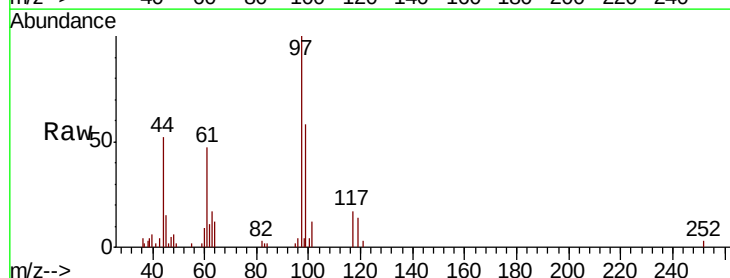
Tgt Ion: 97 Resp: 14425

Ion Ratio Lower Upper

97 100

99 65.0 31.4 94.3

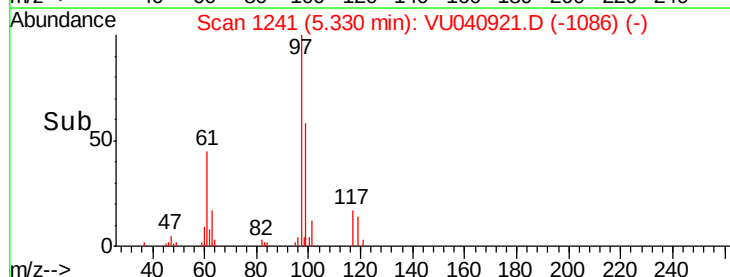
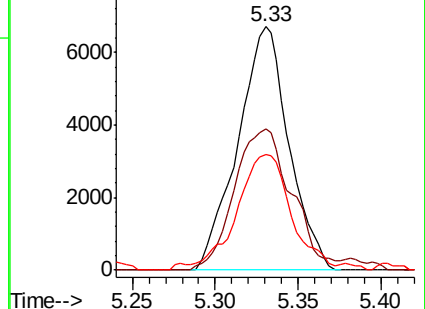
61 51.0 24.7 74.1

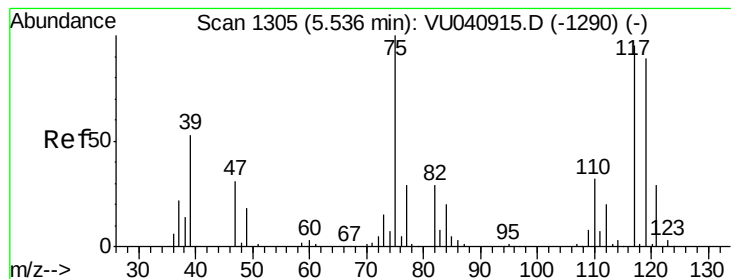


Abundance Ion 97.00 (96.70 to 97.70): VU040921.D (-1086) (-)

Ion 99.00 (98.70 to 99.70): VU040921.D (-1086) (-)

Ion 61.00 (60.70 to 61.70): VU040921.D (-1086) (-)





#29

1,1-Dichloropropene

Concen: 0.507 ug/l

RT: 5.53 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

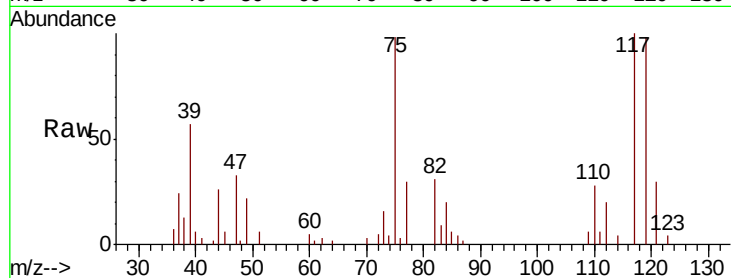
Tot Ion: 75 Resp: 12423

Ion Ratio Lower Upper

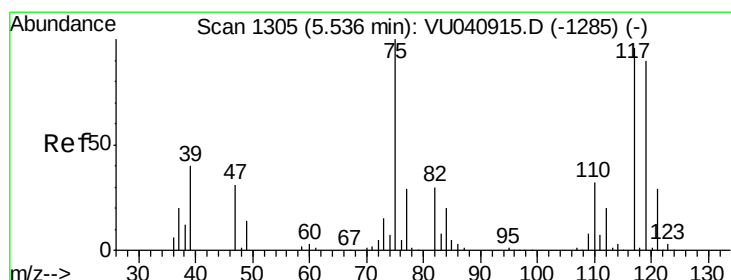
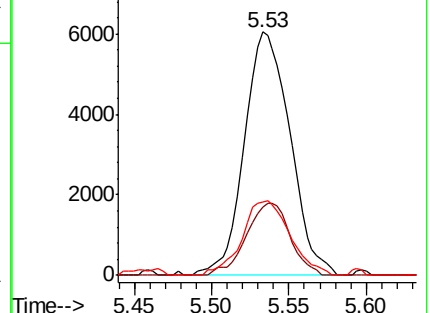
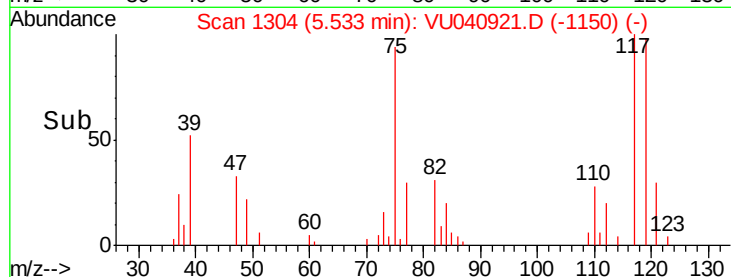
75 100

110 28.5 15.9 47.6

77 32.2 24.2 36.2



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



#30

Carbon Tetrachloride

Concen: 0.501 ug/l

RT: 5.53 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

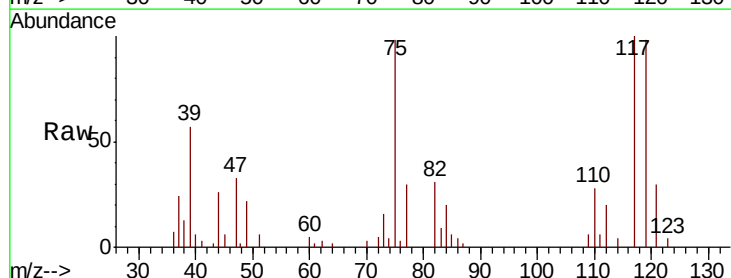
Tgt Ion: 117 Resp: 12666

Ion Ratio Lower Upper

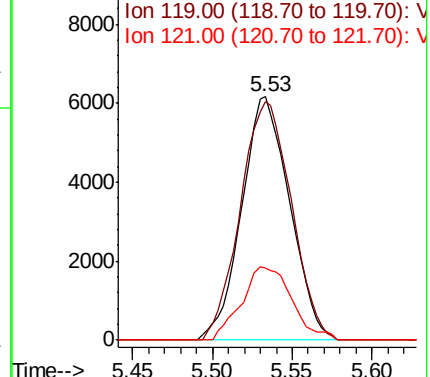
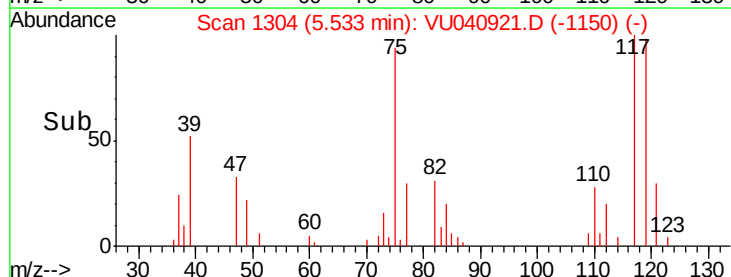
117 100

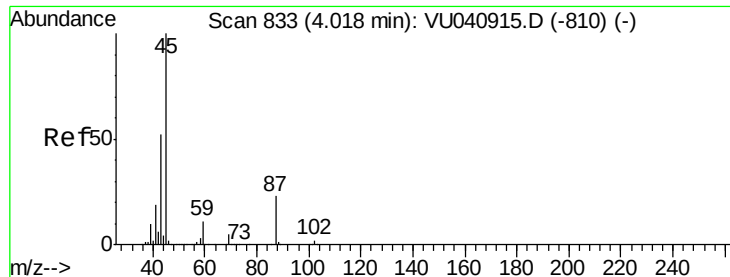
119 98.0 74.9 112.3

121 29.8 24.1 36.1



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





#31

Isopropyl Ether

Concen: 0.471 ug/l

RT: 4.02 min Scan# 833

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

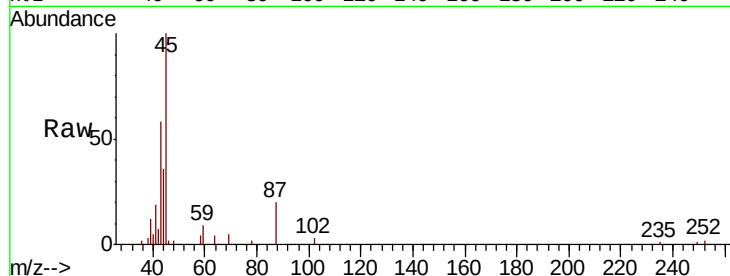
LOQ-WATER-02-QT4-2020

Tot Ion: 45 Resp: 24737

Ion Ratio Lower Upper

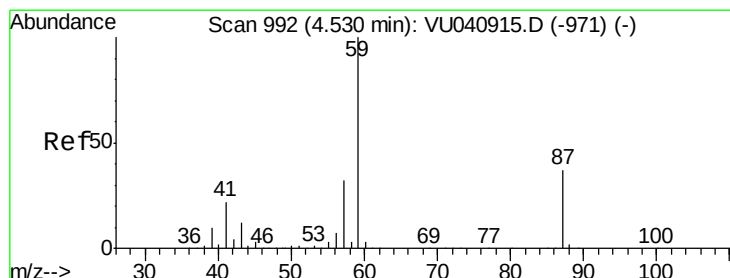
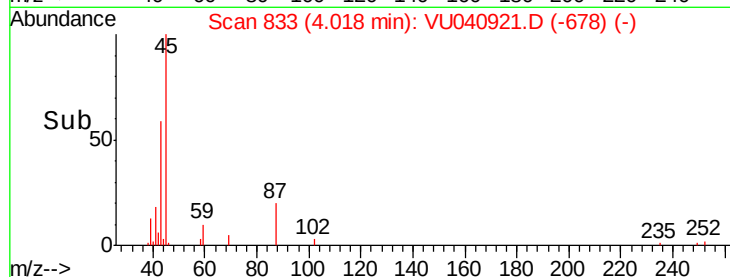
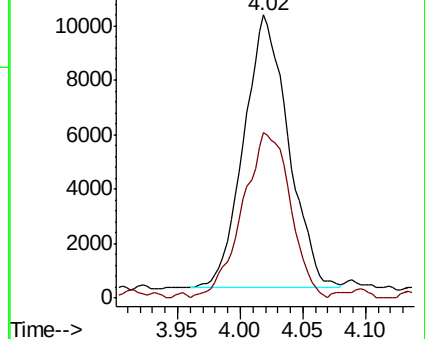
45 100

43 65.1 26.8 80.3



Abundance Ion 45.00 (44.70 to 45.70): VU040921.D (-810) (-)

Ion 43.00 (42.70 to 43.70): VU040921.D (-810) (-)



#32

Ethyl-t-butyl ether

Concen: 0.481 ug/l

RT: 4.53 min Scan# 991

Delta R.T. -0.00 min

Lab File: VU040921.D

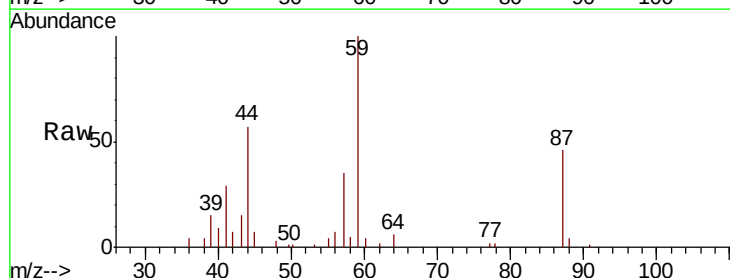
Acq: 23 Oct 2020 00:22

Tgt Ion: 59 Resp: 22240

Ion Ratio Lower Upper

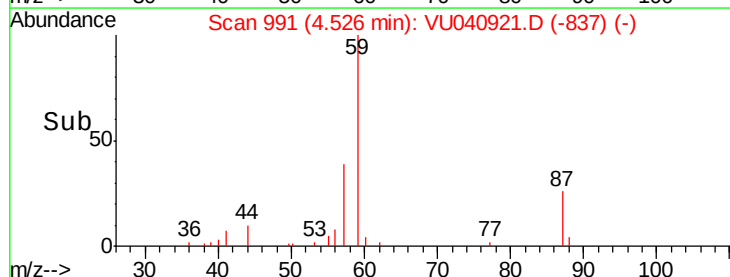
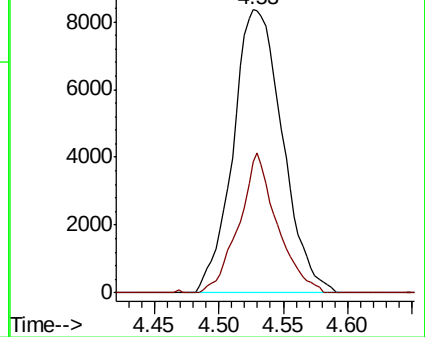
59 100

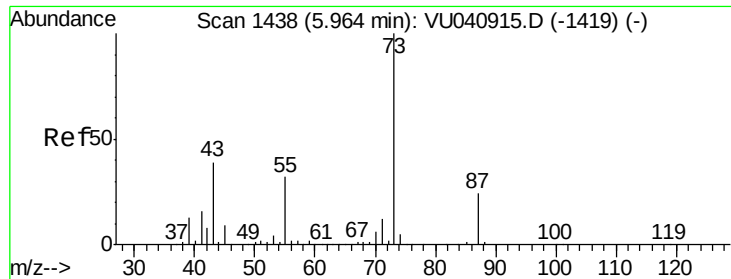
87 38.2 30.6 46.0



Abundance Ion 59.00 (58.70 to 59.70): VU040921.D (-971) (-)

Ion 87.00 (86.70 to 87.70): VU040921.D (-971) (-)

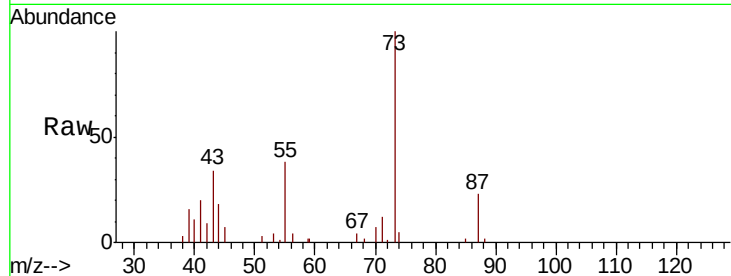




#33
Tert-Butyl methyl ether
Concen: 0.419 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.7	19.0	28.4
71	11.7	9.7	14.5

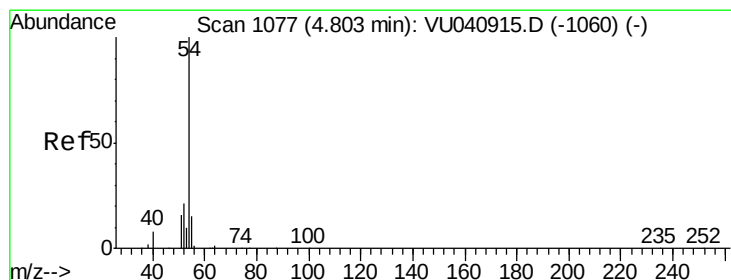
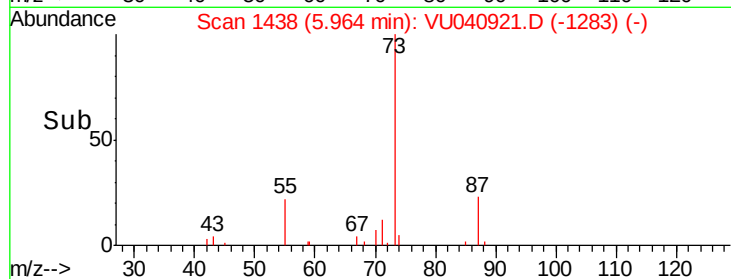
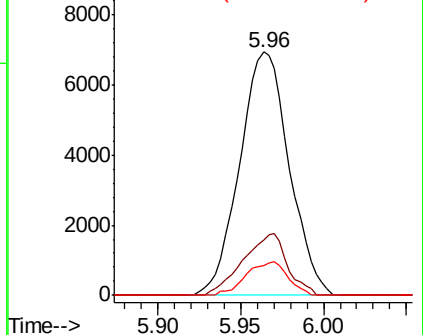


Abundance

Ion 73.00 (72.70 to 73.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#34
Propionitrile
Concen: 1.943 ug/l
RT: 4.82 min Scan# 1082
Delta R.T. 0.02 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion	Ratio	Lower	Upper
54	100		
52	8.4	15.5	23.3#
55	7.1	12.5	18.7#
40	10.8	6.0	9.0#

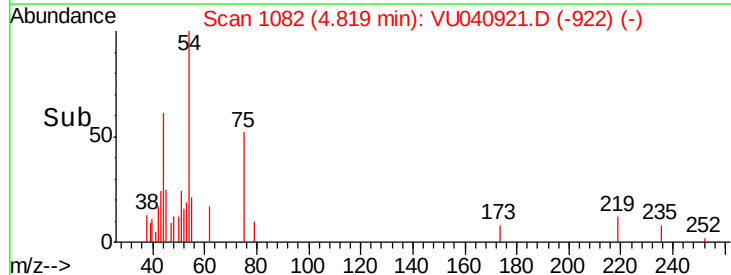
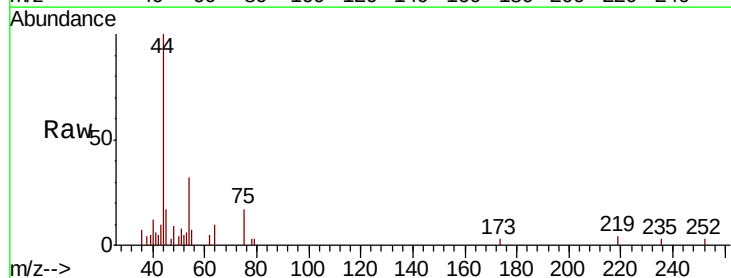
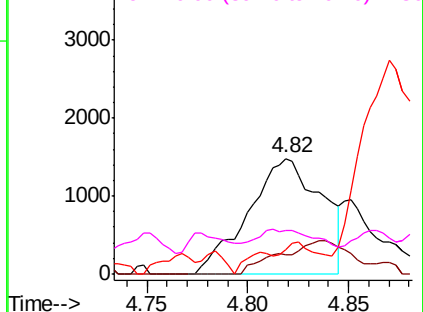
Abundance

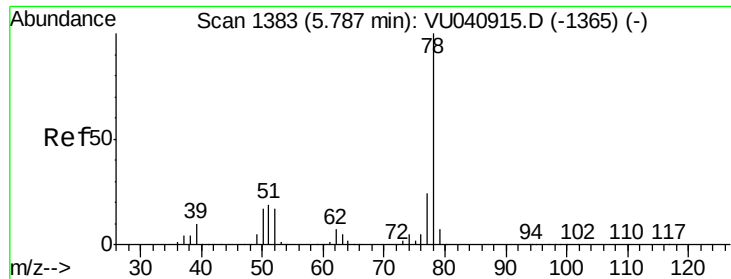
Ion 54.00 (53.70 to 54.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 0.461 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

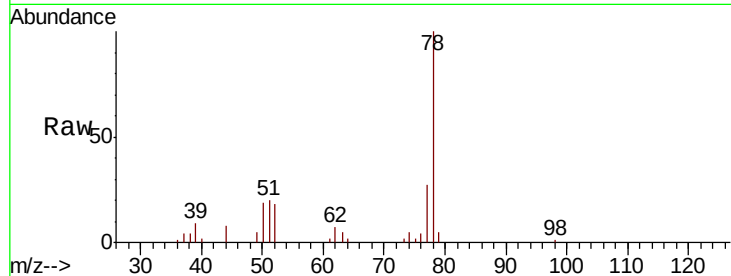
LOQ-WATER-02-QT4-2020

Tot Ion: 78 Resp: 31270

Ion Ratio Lower Upper

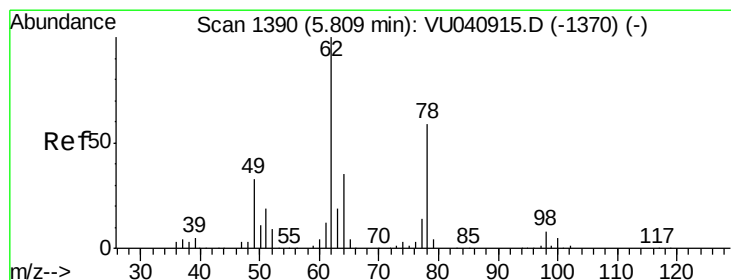
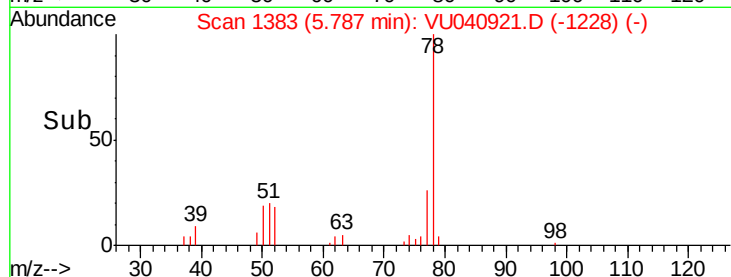
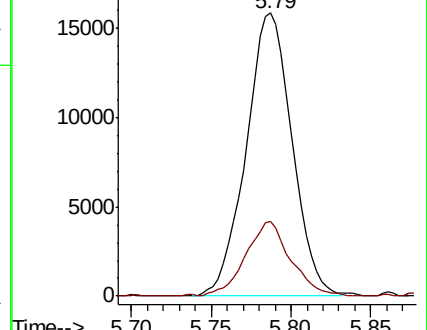
78 100

77 25.9 19.4 29.2



Abundance Ion 78.10 (77.80 to 78.80): VU040921.D (-1228) (-)

Ion 77.00 (76.70 to 77.70): VU040921.D (-1228) (-)



#36

1,2-Dichloroethane

Concen: 0.532 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040921.D

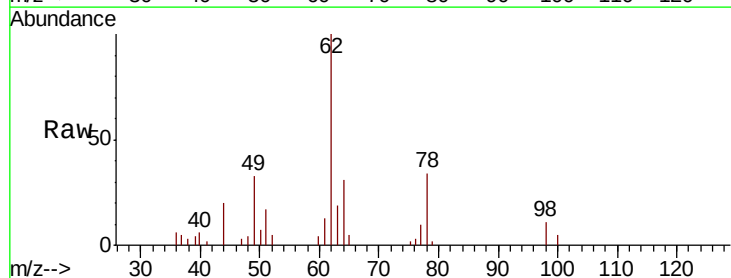
Acq: 23 Oct 2020 00:22

Tgt Ion: 62 Resp: 13392

Ion Ratio Lower Upper

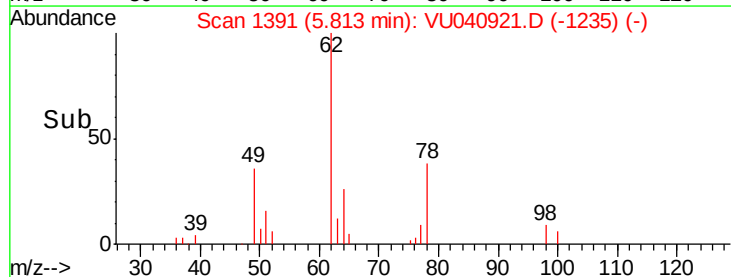
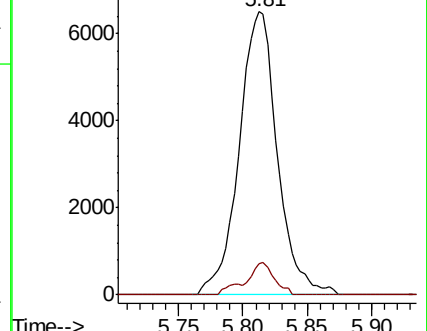
62 100

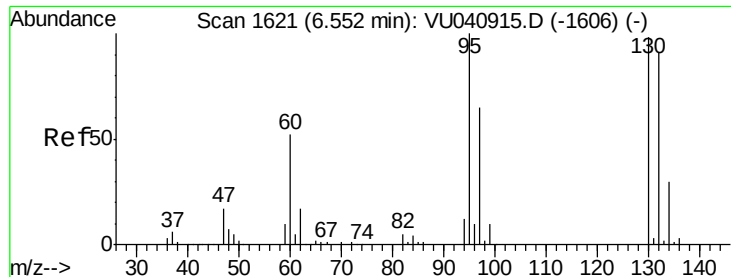
98 8.5 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU040921.D (-1235) (-)

Ion 98.00 (97.70 to 98.70): VU040921.D (-1235) (-)





#37

Trichloroethene

Concen: 0.469 ug/l

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

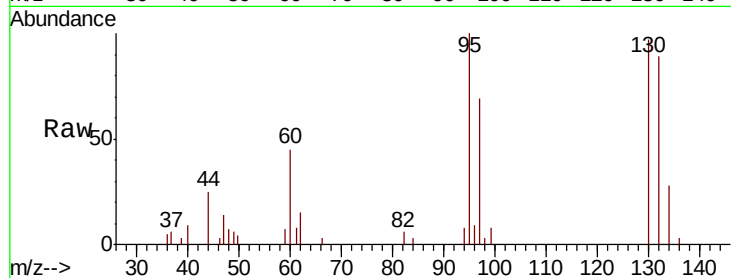
LOQ-WATER-02-QT4-2020

Tot Ion:130 Resp: 7526

Ion Ratio Lower Upper

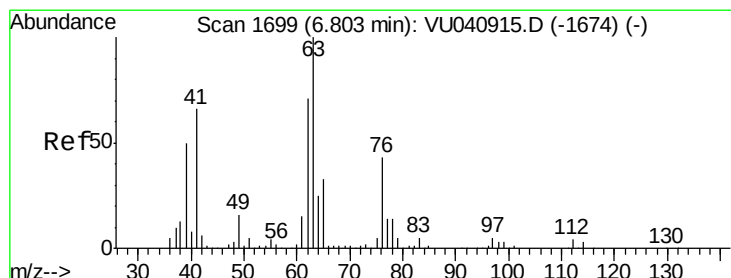
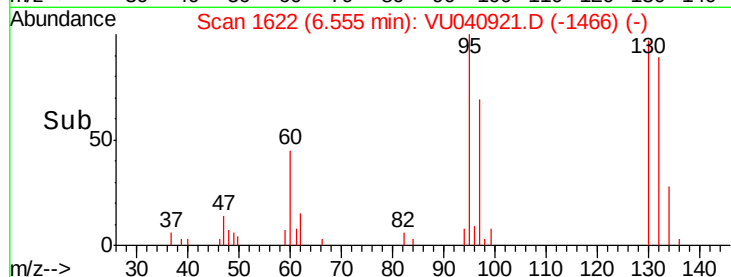
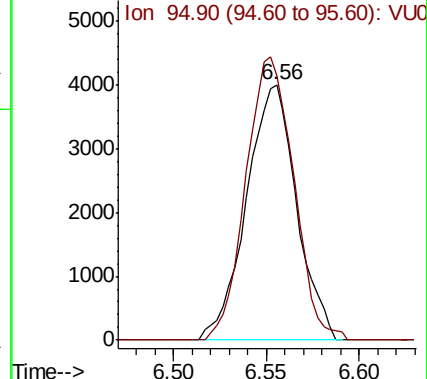
130 100

95 103.6 81.9 122.9



Abundance Ion 129.90 (129.60 to 130.60): VU040921.D (-1466) (-)

Ion 94.90 (94.60 to 95.60): VU040921.D (-1466) (-)



#38

1,2-Dichloropropane

Concen: 0.459 ug/l

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU040921.D

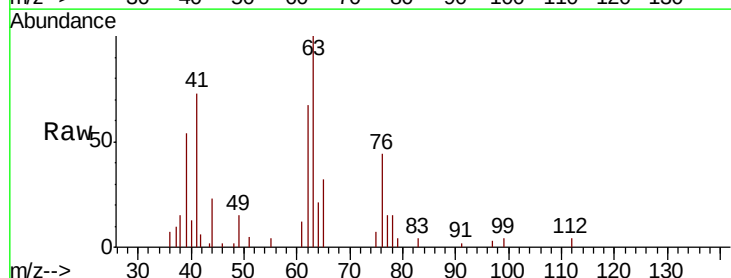
Acq: 23 Oct 2020 00:22

Tgt Ion: 63 Resp: 8844

Ion Ratio Lower Upper

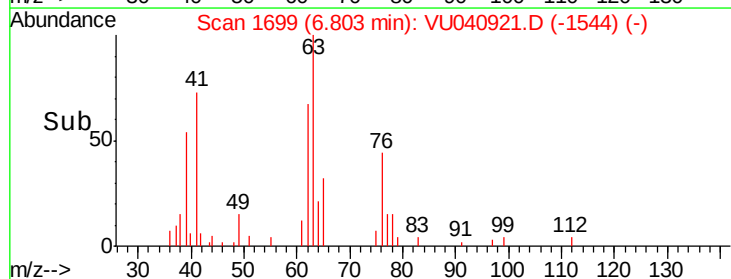
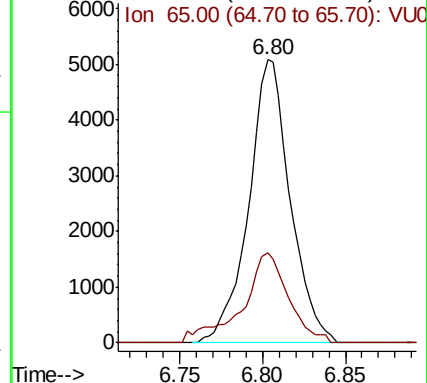
63 100

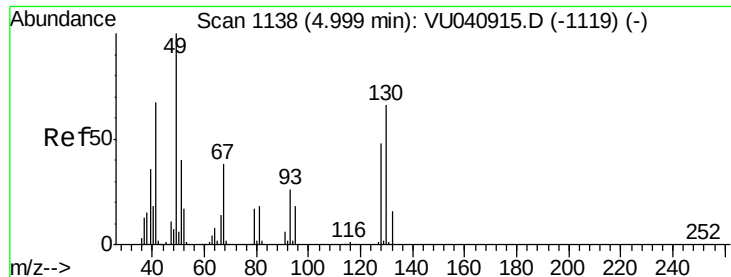
65 32.0 26.2 39.2



Abundance Ion 63.00 (62.70 to 63.70): VU040921.D (-1544) (-)

Ion 65.00 (64.70 to 65.70): VU040921.D (-1544) (-)





#39

Methacrylonitrile

Concen: 0.630 ug/l

RT: 5.00 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 41 Resp: 5672

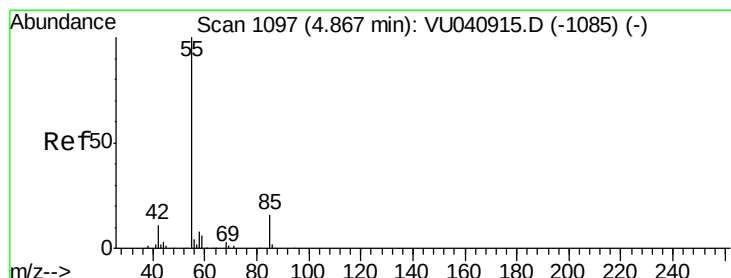
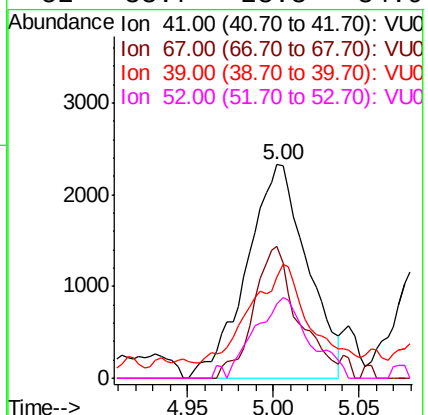
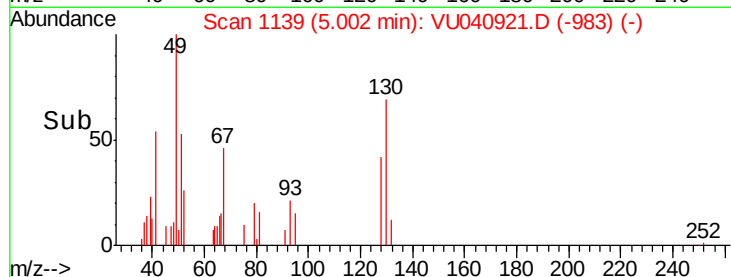
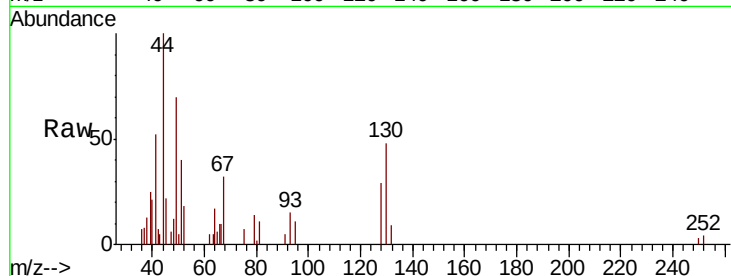
Ion Ratio Lower Upper

41 100

67 45.9 48.7 73.1#

39 42.8 44.6 67.0#

52 33.7 23.3 34.9



#40

Methyl acrylate

Concen: 0.473 ug/l

RT: 4.87 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Tgt Ion: 55 Resp: 5843

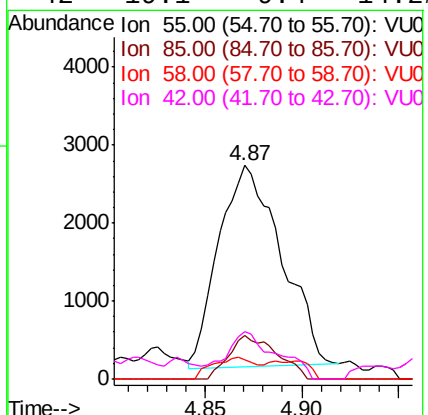
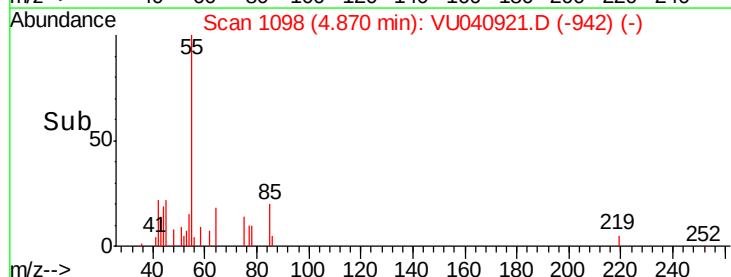
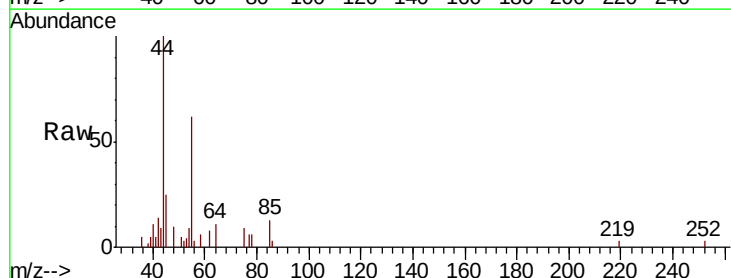
Ion Ratio Lower Upper

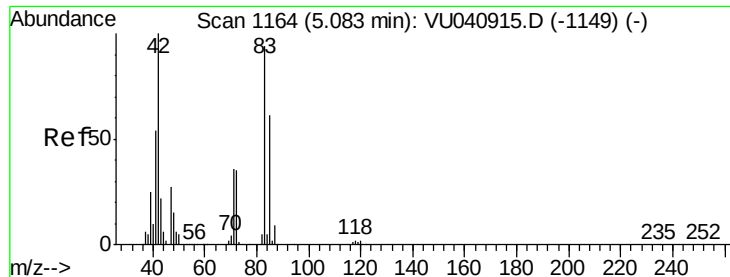
55 100

85 16.3 12.2 18.2

58 7.5 6.8 10.2

42 19.1 9.4 14.2#





#41

Tetrahydrofuran

Concen: 1.346 ug/l

RT: 5.09 min Scan# 1166

Delta R.T. 0.01 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

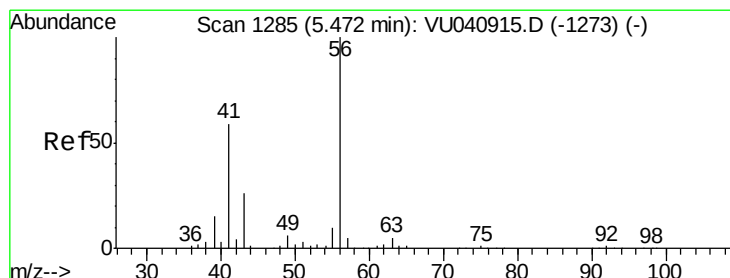
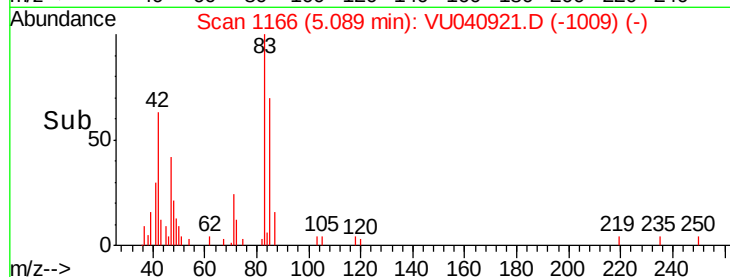
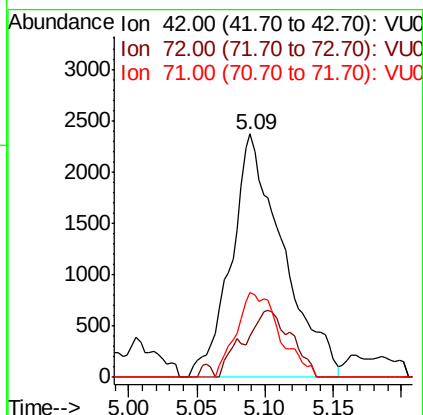
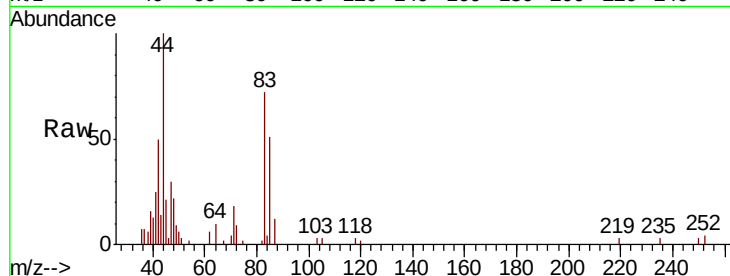
Tot Ion: 42 Resp: 6234

Ion Ratio Lower Upper

42 100

72 5.3 30.1 45.1#

71 29.4 27.9 41.9



#42

1-Chlorobutane

Concen: 0.487 ug/l

RT: 5.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VU040921.D

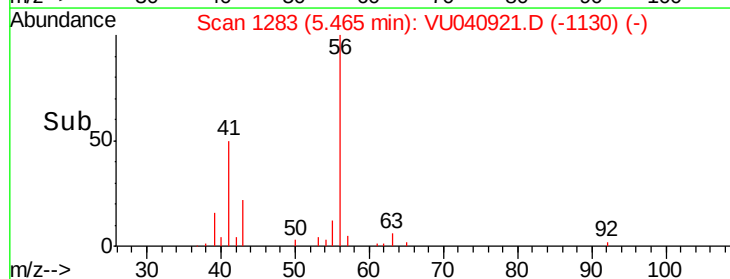
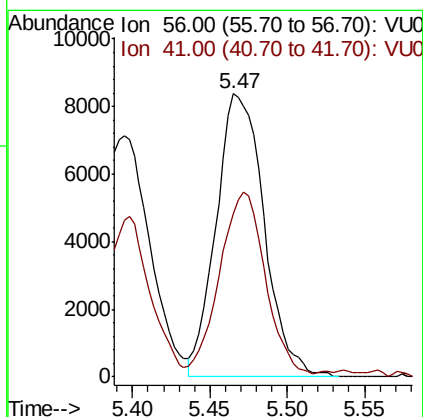
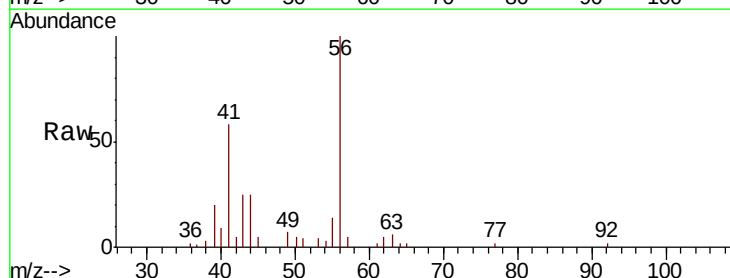
Acq: 23 Oct 2020 00:22

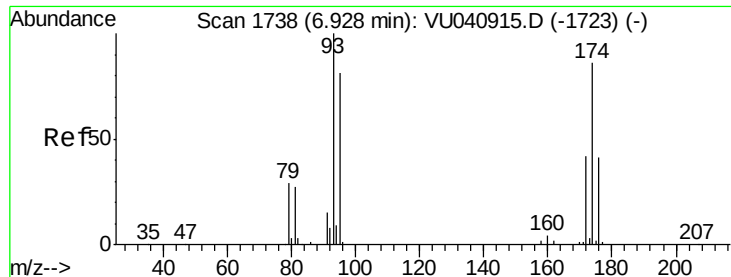
Tgt Ion: 56 Resp: 18047

Ion Ratio Lower Upper

56 100

41 60.6 29.6 88.8

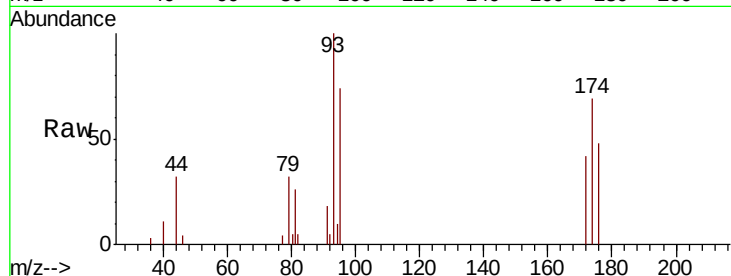




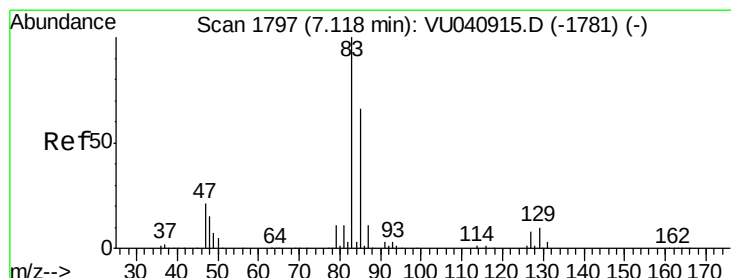
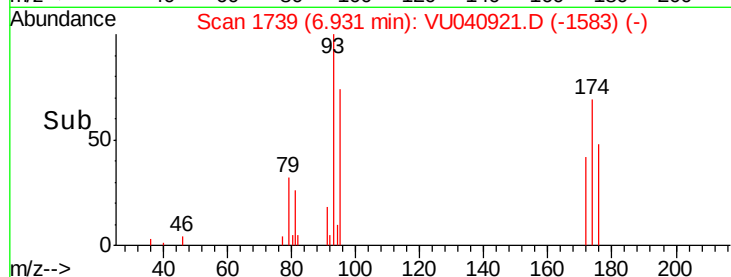
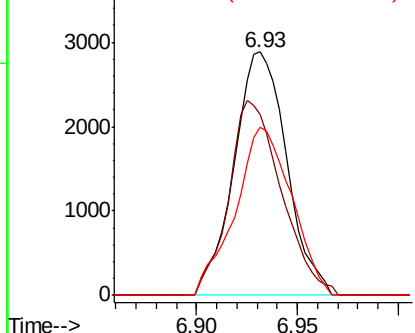
#43
Dibromomethane
Concen: 0.488 ug/l
RT: 6.93 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 93 Resp: 5270
Ion Ratio Lower Upper
93 100
95 79.8 66.3 99.5
174 73.6 70.4 105.6

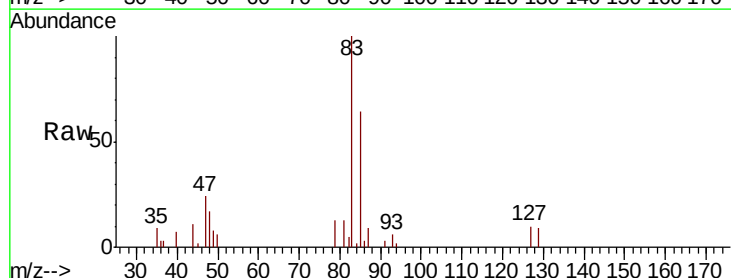


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

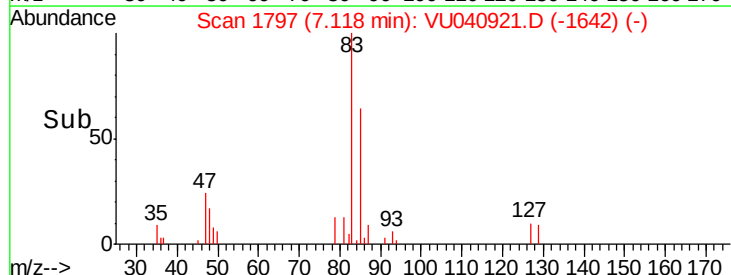
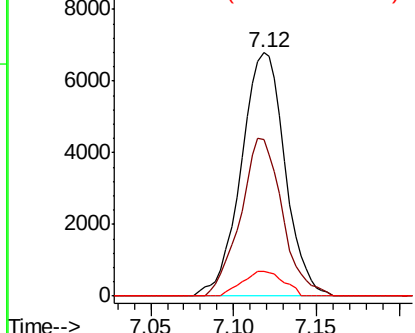


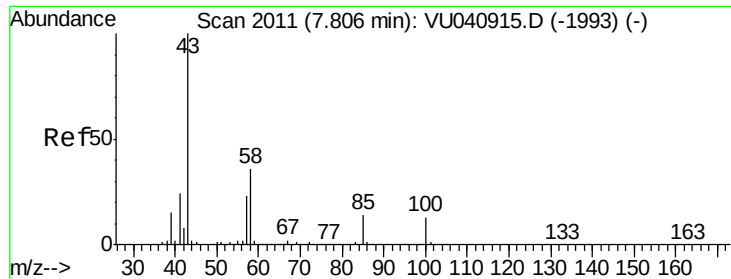
#44
Bromodichloromethane
Concen: 0.497 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion: 83 Resp: 12468
Ion Ratio Lower Upper
83 100
85 64.1 52.6 78.8
127 10.1 6.4 9.6#



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V

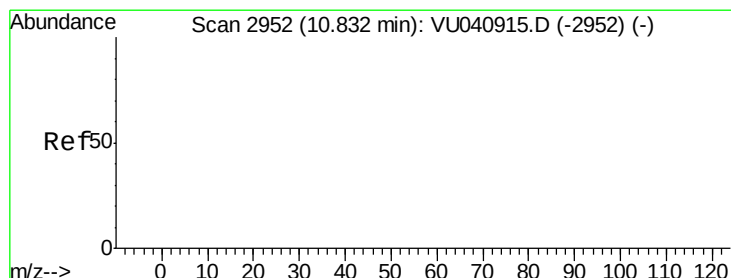
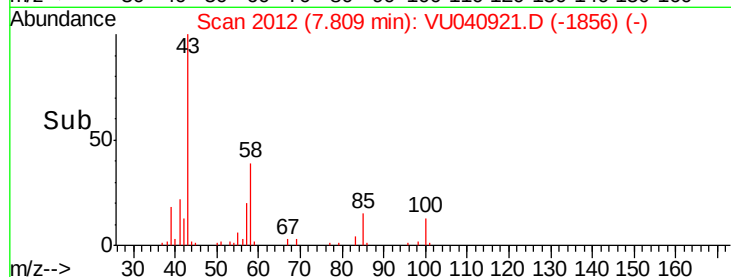
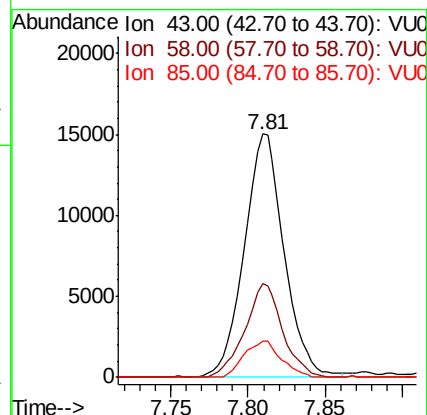
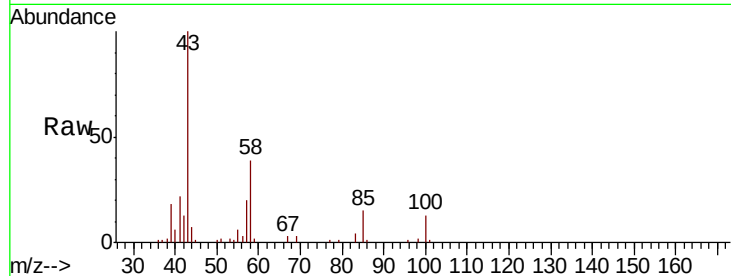




#45
 4-Methyl-2-Pentanone
 Concen: 1.903 ug/l
 RT: 7.81 min Scan# 2012
 Delta R.T. 0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

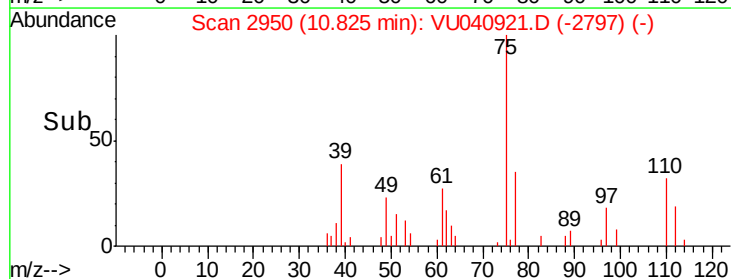
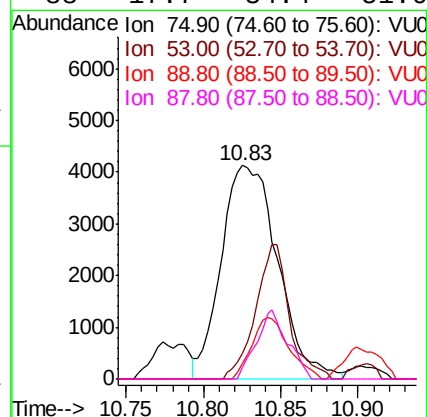
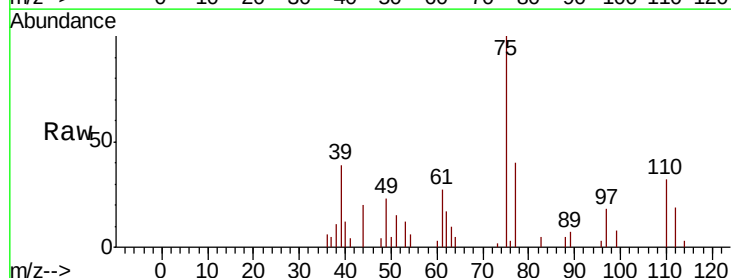
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

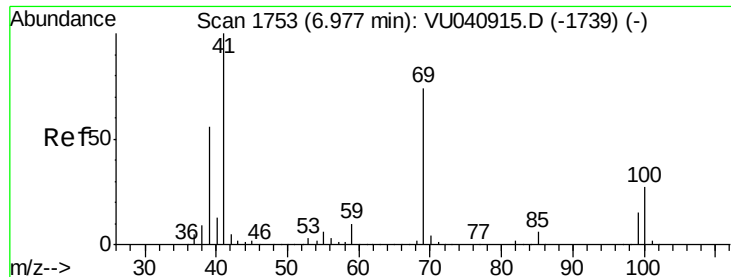
Tot Ion	43	Resp	26969
Ion Ratio	Lower	Upper	
43	100		
58	36.3	17.8	53.5
85	13.9	11.4	17.2



#46
 t-1,4-Dichloro-2-butene
 Concen: 1.872 ug/l
 RT: 10.83 min Scan# 2950
 Delta R.T. -0.01 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion	75	Resp	10495
Ion Ratio	Lower	Upper	
75	100		
53	37.6	73.0	109.4#
89	18.9	41.7	62.5#
88	17.7	34.4	51.6#





#47

Methvl methacrylate

Concen: 0.748 ug/l

RT: 6.98 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 69 Resp: 6746

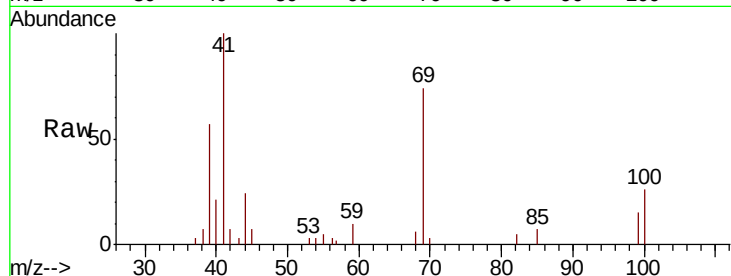
Ion Ratio Lower Upper

69 100

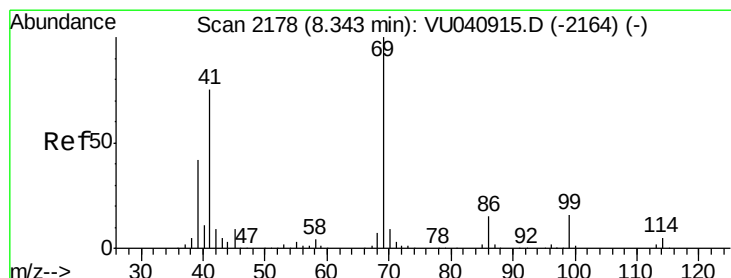
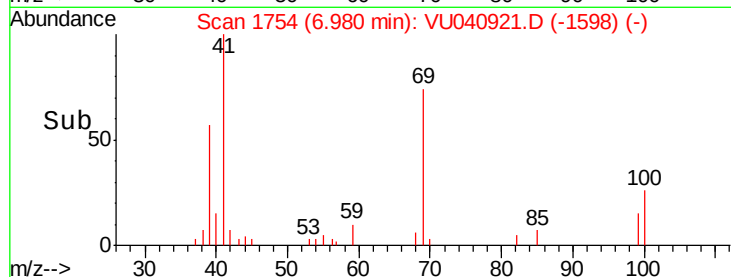
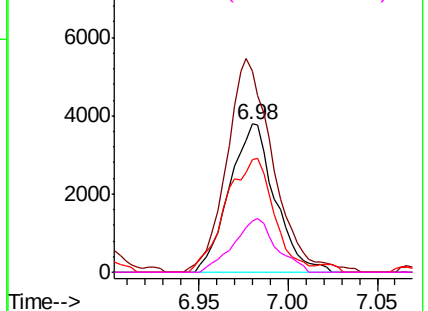
41 146.5 0.0 270.2

39 81.7 61.6 92.4

100 33.7 29.0 43.6



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



#48

Ethyl methacrylate

Concen: 0.366 ug/l

RT: 8.34 min Scan# 2178

Delta R.T. -0.00 min

Lab File: VU040921.D

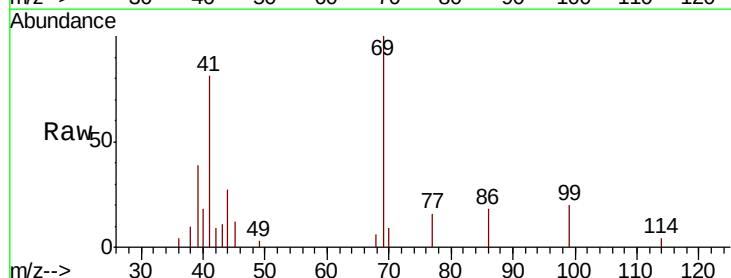
Acq: 23 Oct 2020 00:22

Tgt Ion: 69 Resp: 5548

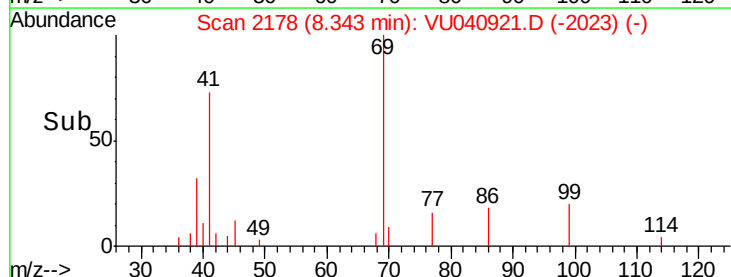
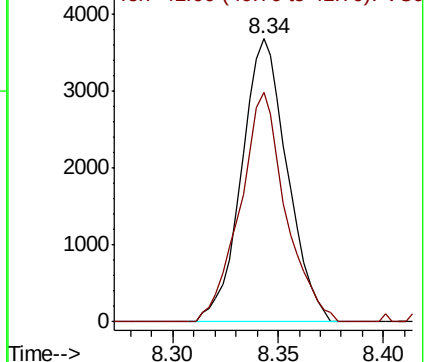
Ion Ratio Lower Upper

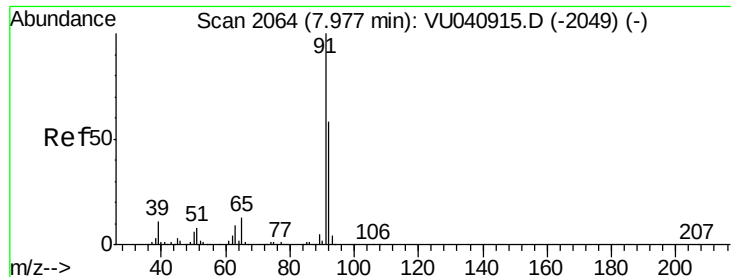
69 100

41 80.9 37.6 112.9



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





#49

Toluene

Concen: 0.370 ug/l

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

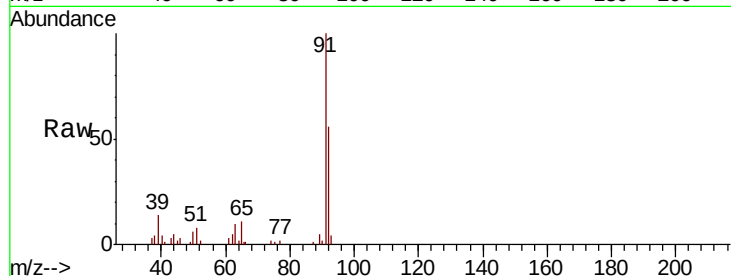
LOQ-WATER-02-QT4-2020

Tot Ion: 92 Resp: 13835

Ion Ratio Lower Upper

92 100

91 177.1 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VU040921.D (-1909) (-)

Ion 91.00 (90.70 to 91.70): VU040921.D (-1909) (-)

7.97

15000

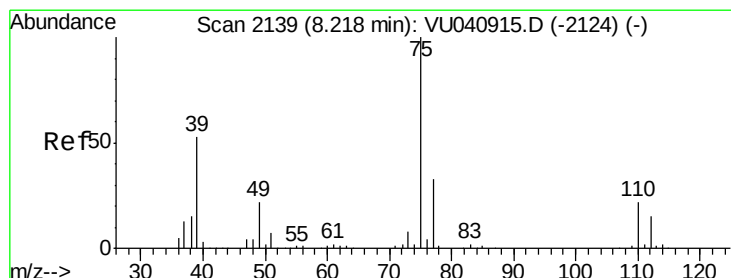
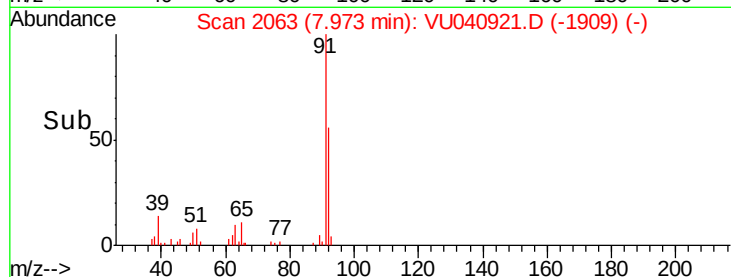
10000

5000

0

7.95 8.00

Time-->



#50

t-1,3-Dichloropropene

Concen: 0.397 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040921.D

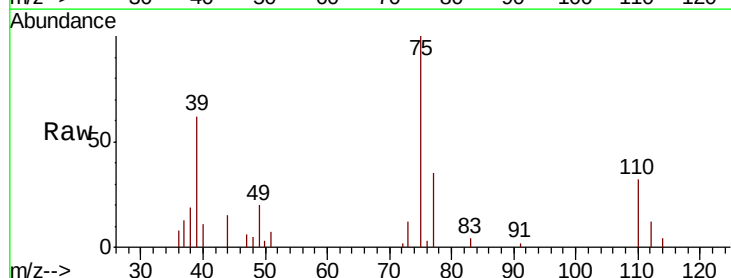
Acq: 23 Oct 2020 00:22

Tgt Ion: 75 Resp: 8603

Ion Ratio Lower Upper

75 100

77 31.3 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU040921.D (-1984) (-)

Ion 77.00 (76.70 to 77.70): VU040921.D (-1984) (-)

8.22

5000

4000

3000

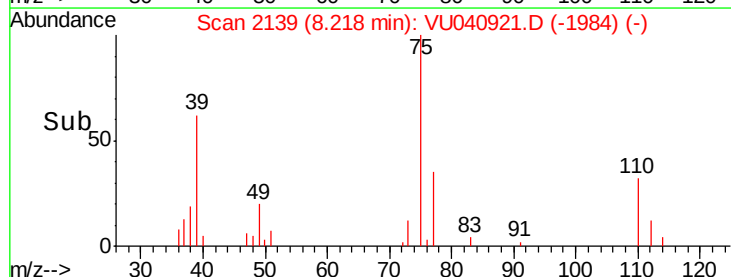
2000

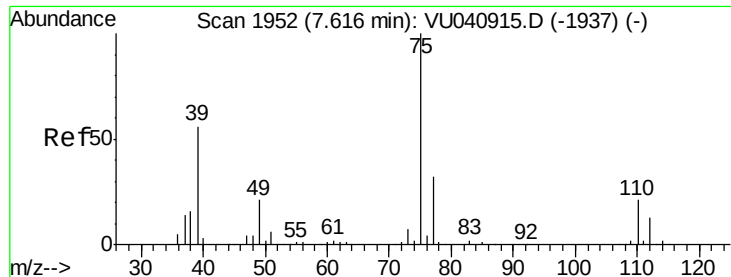
1000

0

8.15 8.20 8.25

Time-->



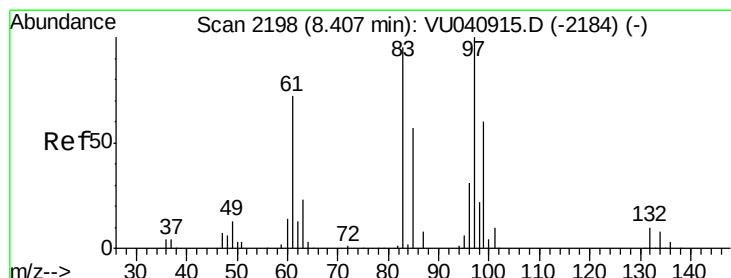
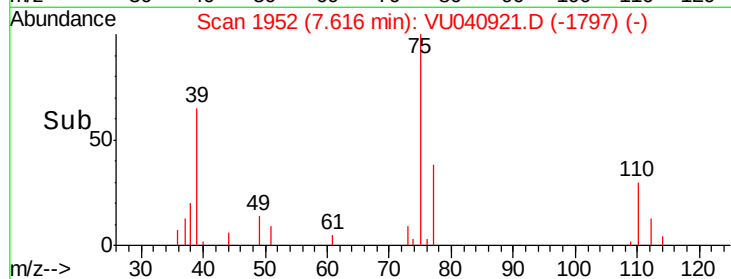
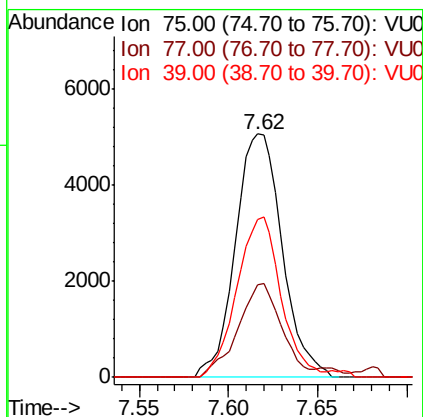
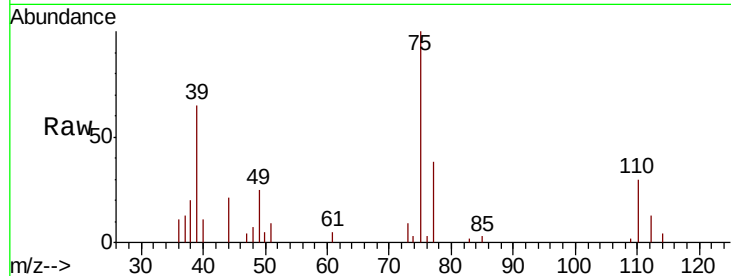


#51

cis-1,3-Dichloropropene
 Concen: 0.390 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

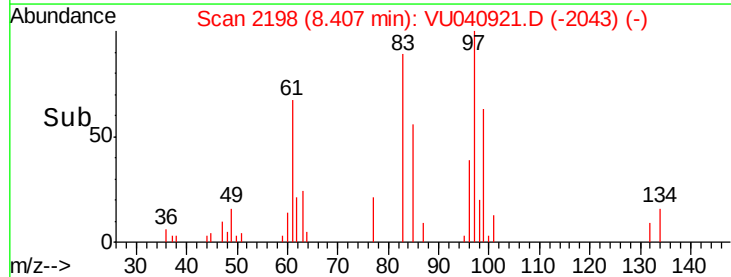
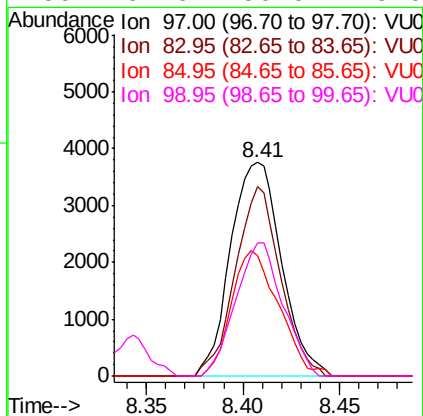
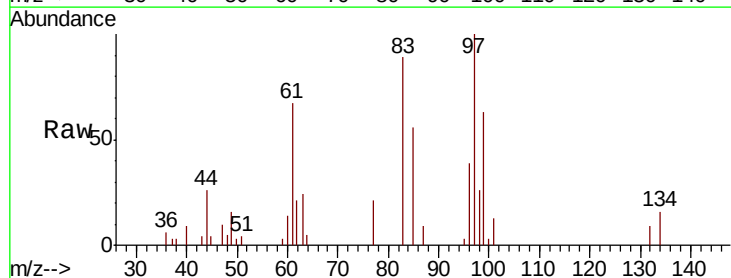
Tot Ion: 75 Resp: 9253
 Ion Ratio Lower Upper
 75 100
 77 38.2 25.4 38.0#
 39 64.6 44.7 67.1

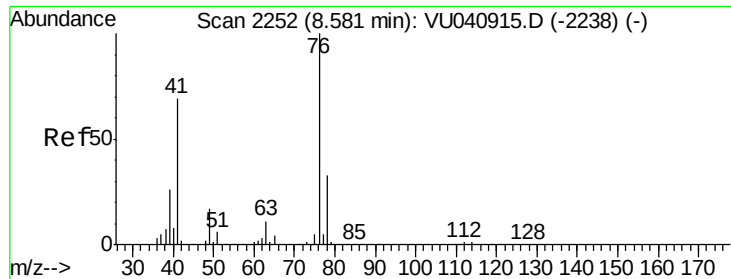


#52

1,1,2-Trichloroethane
 Concen: 0.505 ug/l
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion: 97 Resp: 6899
 Ion Ratio Lower Upper
 97 100
 83 88.5 75.9 113.9
 85 56.5 46.1 69.1
 99 62.6 50.0 75.0

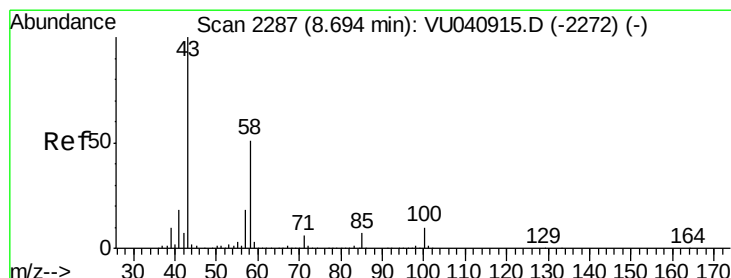
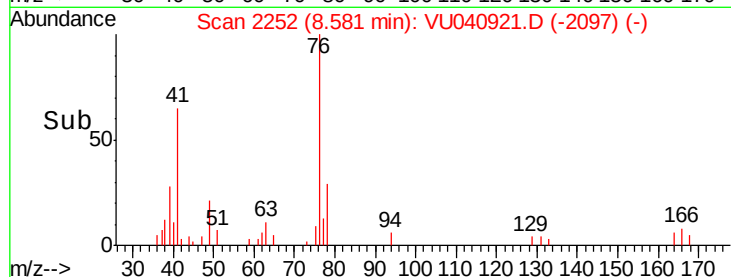
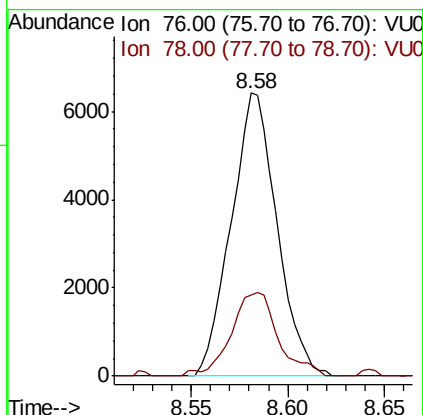
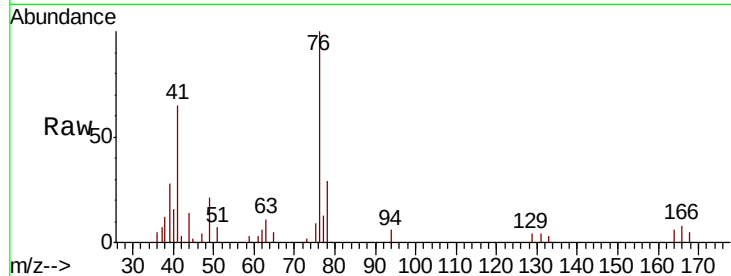




#53
 1,3-Dichloropropane
 Concen: 0.431 ug/l
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

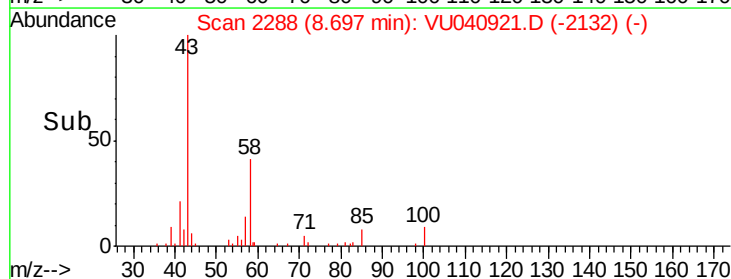
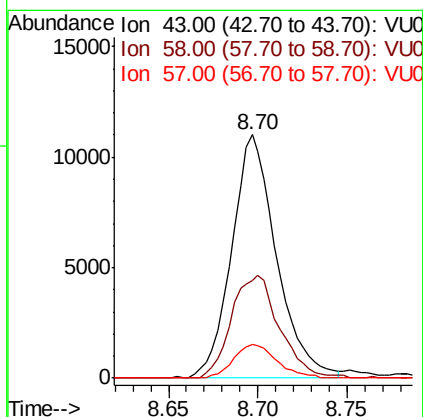
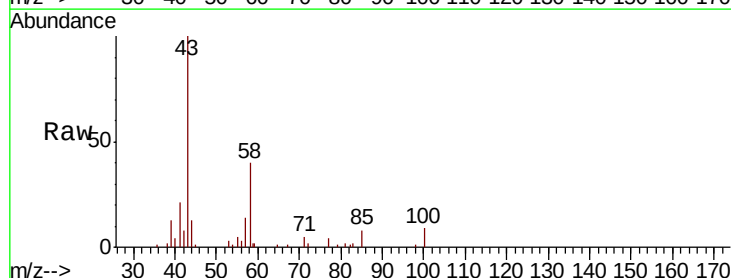
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

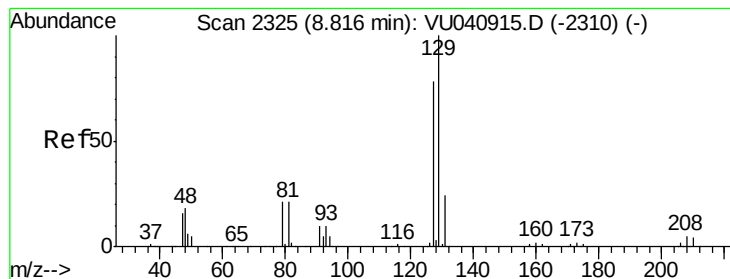
Tot Ion: 76 Resp: 10557
 Ion Ratio Lower Upper
 76 100
 78 30.3 26.6 39.8



#54
 2-Hexanone
 Concen: 1.950 ug/l
 RT: 8.70 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion: 43 Resp: 19308
 Ion Ratio Lower Upper
 43 100
 58 45.0 30.2 70.2
 57 13.3 0.0 37.4





#55

Dibromochloromethane

Concen: 0.449 ug/l

RT: 8.82 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

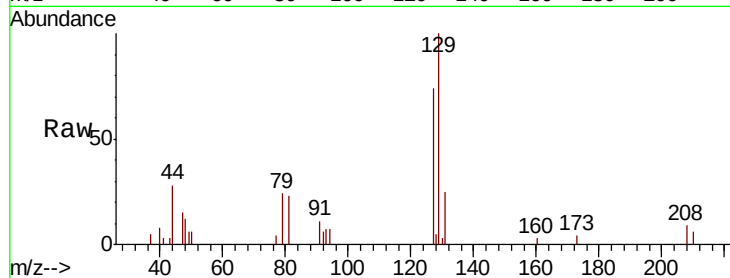
LOQ-WATER-02-QT4-2020

Tot Ion:129 Resp: 7351

Ion Ratio Lower Upper

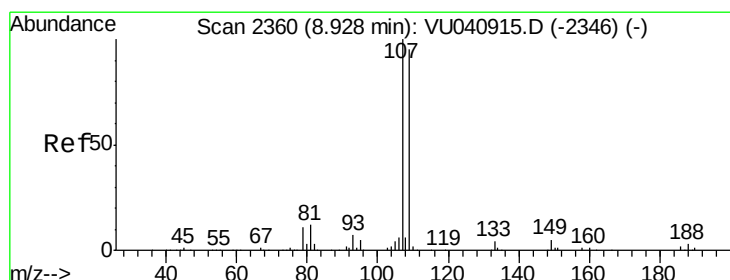
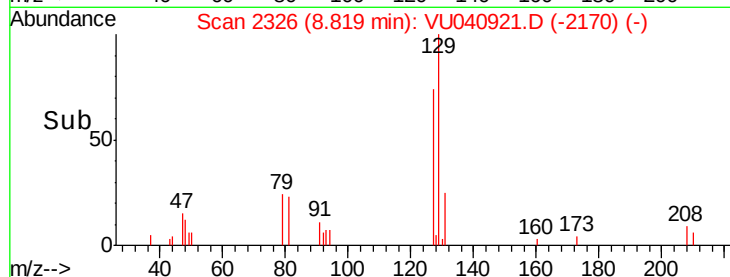
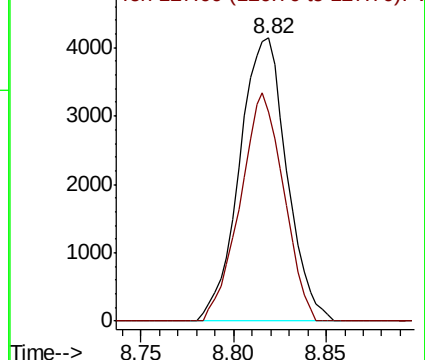
129 100

127 73.7 63.1 94.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.461 ug/l

RT: 8.93 min Scan# 2362

Delta R.T. 0.01 min

Lab File: VU040921.D

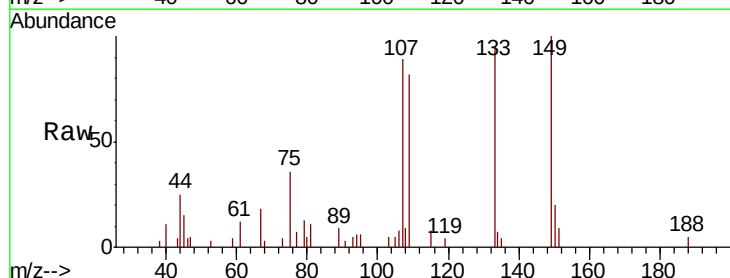
Acq: 23 Oct 2020 00:22

Tgt Ion:107 Resp: 5840

Ion Ratio Lower Upper

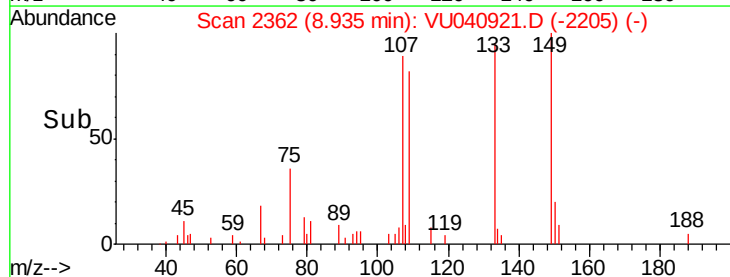
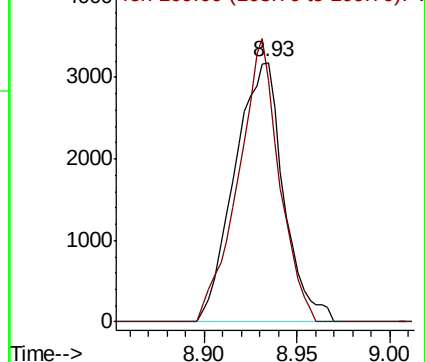
107 100

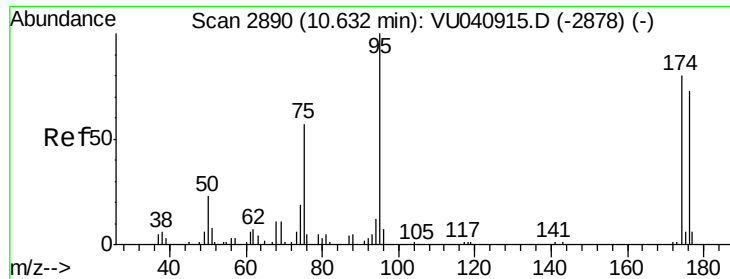
109 91.5 0.0 190.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

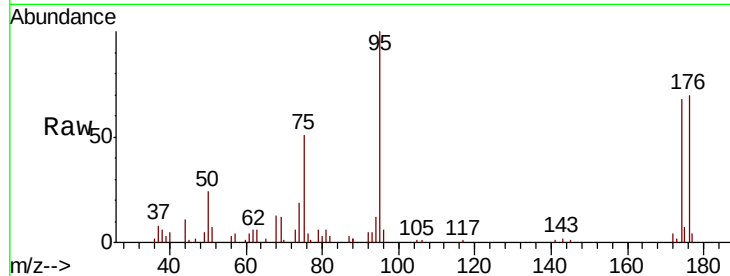




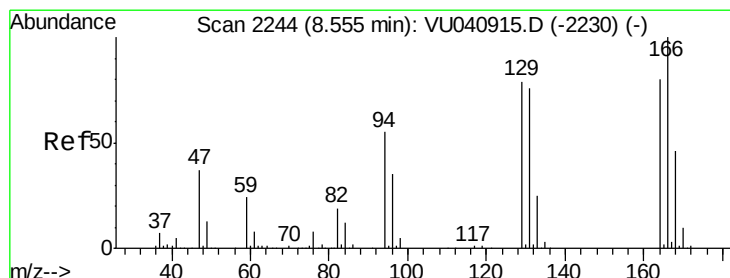
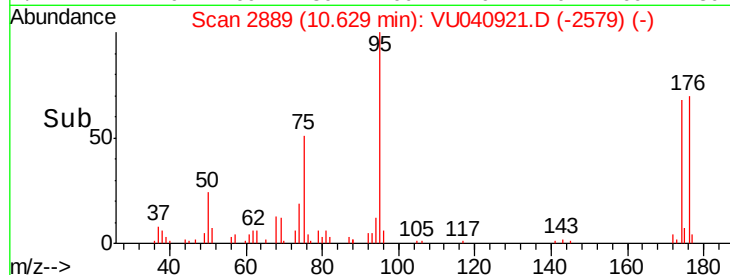
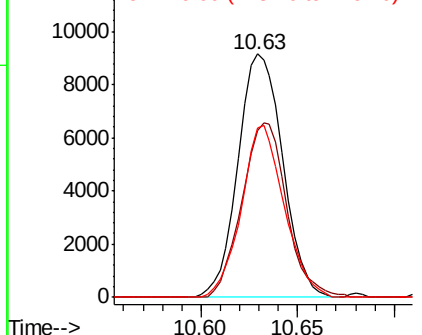
#57
4-Bromofluorobenzene
Concen: 0.760 ug/l
RT: 10.63 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 95 Resp: 14702
Ion Ratio Lower Upper
95 100
174 71.7 60.3 90.5
176 67.7 55.6 83.4

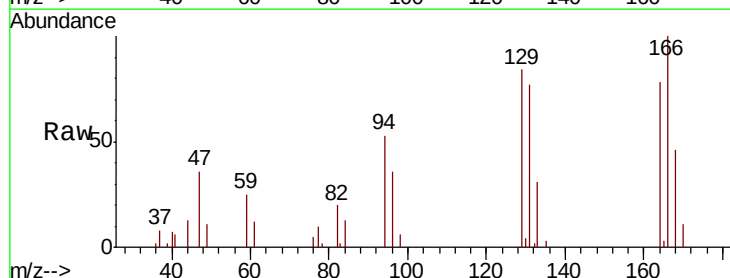


Abundance Ion 95.00 (94.70 to 95.70): VU040921.D (-2889) (-)
Ion 174.00 (173.70 to 174.70): VU040921.D (-2889) (-)
Ion 176.00 (175.70 to 176.70): VU040921.D (-2889) (-)

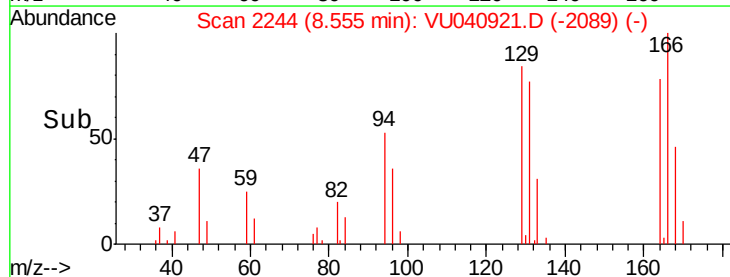
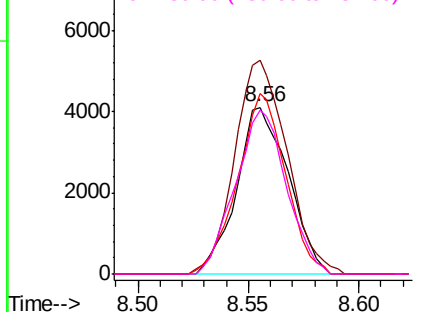


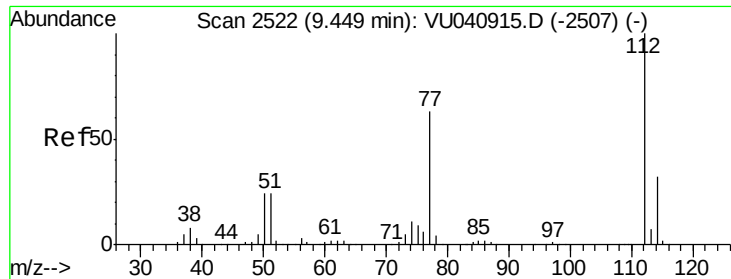
#58
Tetrachloroethene
Concen: 0.446 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion: 164 Resp: 6687
Ion Ratio Lower Upper
164 100
166 127.9 100.3 150.5
129 107.9 79.4 119.0
131 98.2 76.2 114.4



Abundance Ion 163.85 (163.55 to 164.55): VU040921.D (-2089) (-)
Ion 165.80 (165.50 to 166.50): VU040921.D (-2089) (-)
Ion 128.90 (128.60 to 129.60): VU040921.D (-2089) (-)
Ion 130.90 (130.60 to 131.60): VU040921.D (-2089) (-)

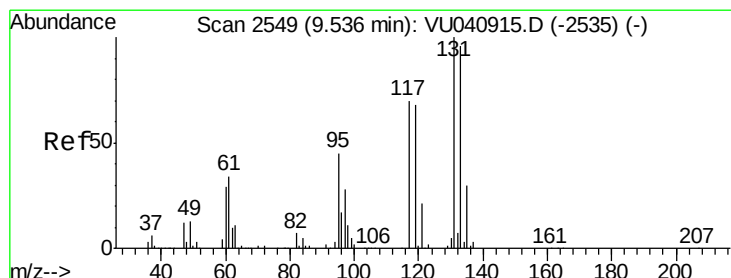
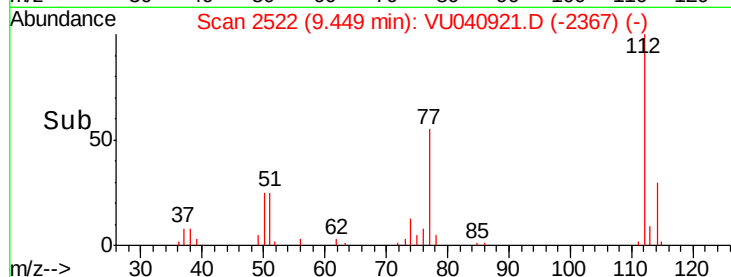
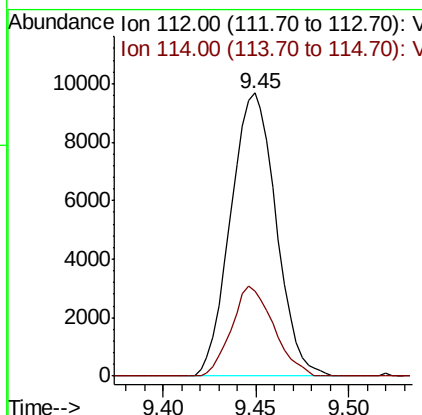
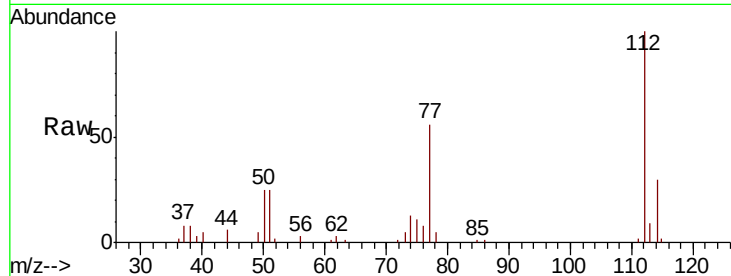




#59
Chlorobenzene
Concen: 0.415 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

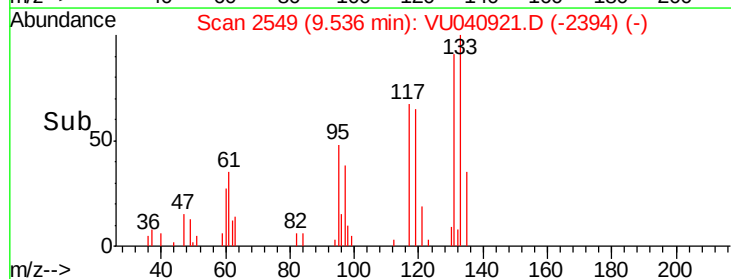
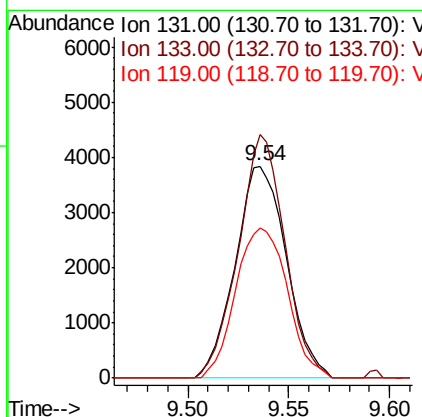
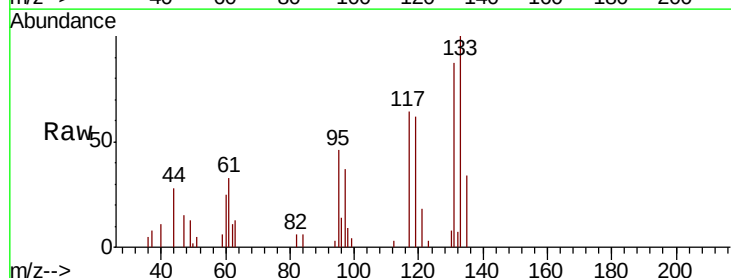
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

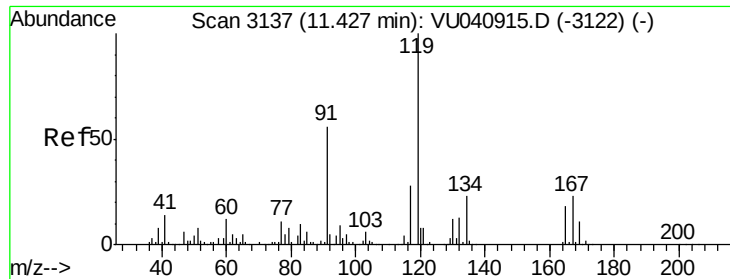
Tot Ion:112 Resp: 16401
Ion Ratio Lower Upper
112 100
114 30.1 25.8 38.8



#60
1,1,1,2-Tetrachloroethane
Concen: 0.439 ug/l
RT: 9.54 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Tgt Ion:131 Resp: 6820
Ion Ratio Lower Upper
131 100
133 104.6 77.4 116.0
119 71.9 53.5 80.3





#61

Pentachloroethane

Concen: 0.441 ug/l

RT: 11.42 min Scan# 3136

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

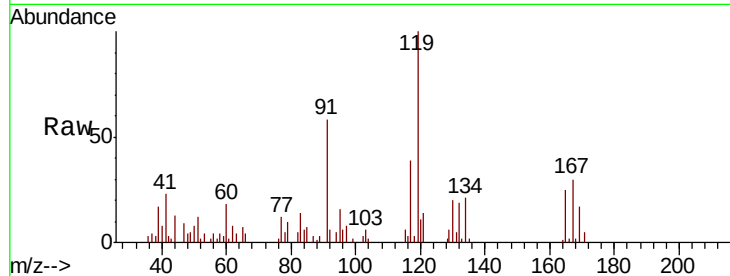
LOQ-WATER-02-QT4-2020

Tot Ion:117 Resp: 5530

Ion Ratio Lower Upper

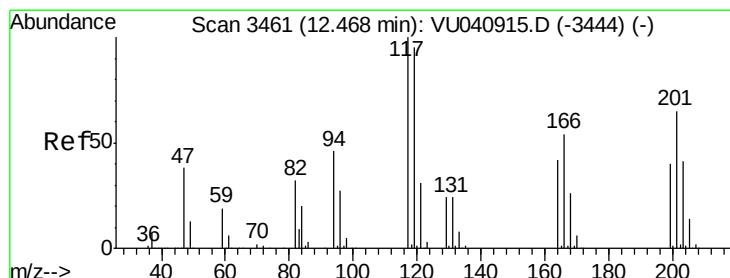
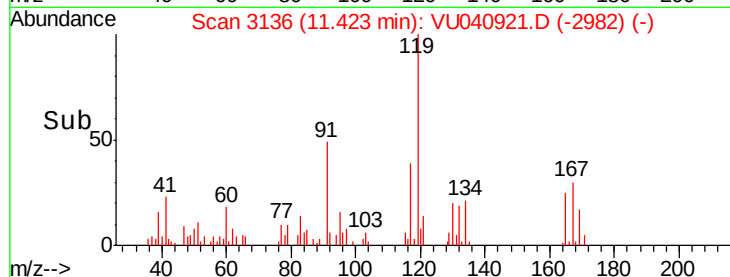
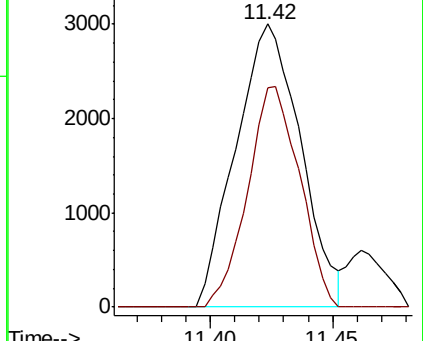
117 100

167 62.4 59.4 89.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.472 ug/l

RT: 12.47 min Scan# 3462

Delta R.T. 0.00 min

Lab File: VU040921.D

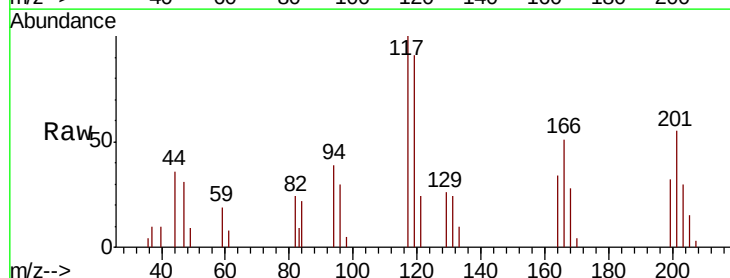
Acq: 23 Oct 2020 00:22

Tgt Ion:117 Resp: 6033

Ion Ratio Lower Upper

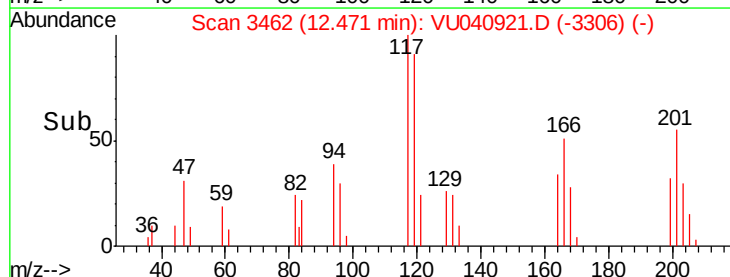
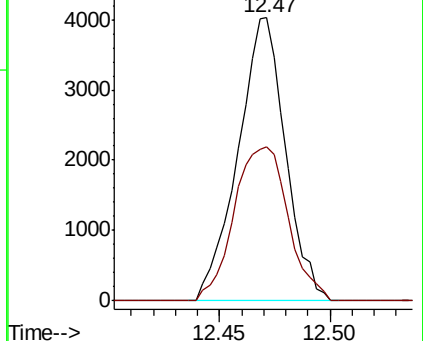
117 100

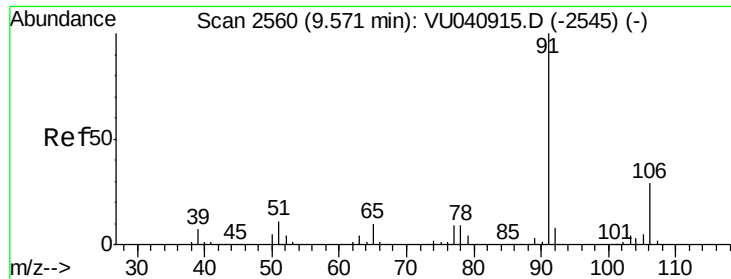
201 62.0 52.6 78.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 0.344 ug/l

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

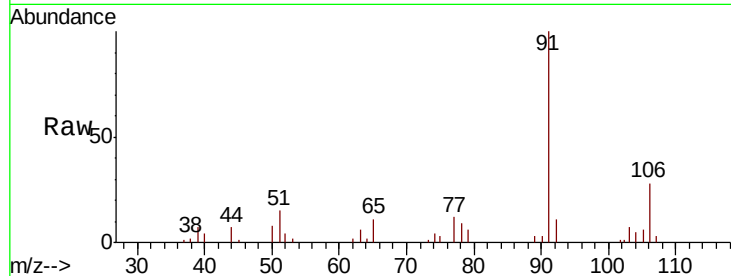
LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 22554

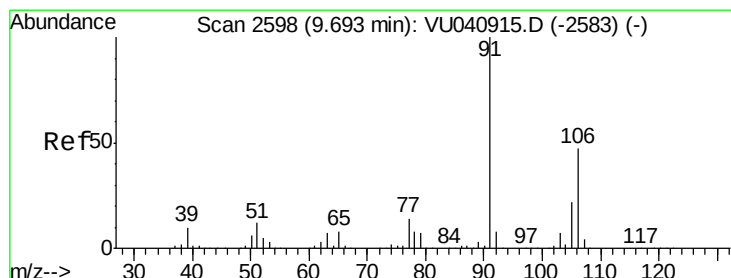
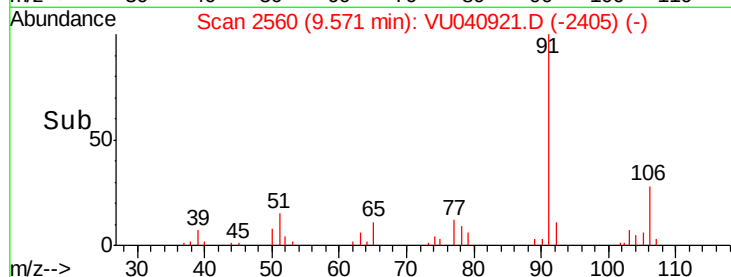
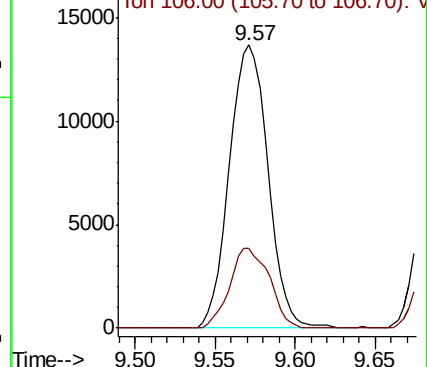
Ion Ratio Lower Upper

91 100

106 28.0 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU040915.D (-2545) (-)



#64

m/p-Xylenes

Concen: 0.652 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040921.D

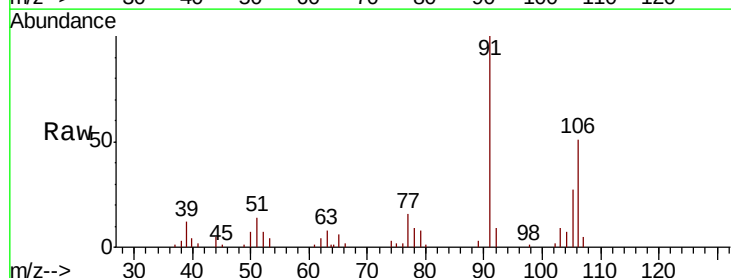
Acq: 23 Oct 2020 00:22

Tgt Ion: 106 Resp: 16268

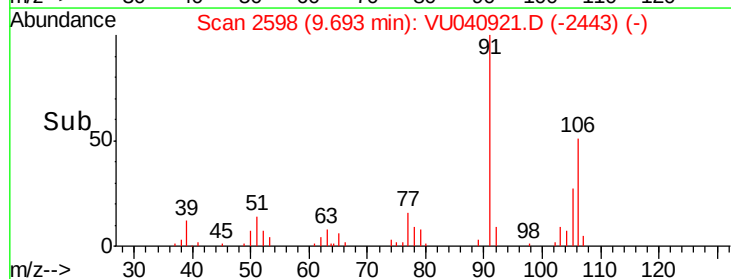
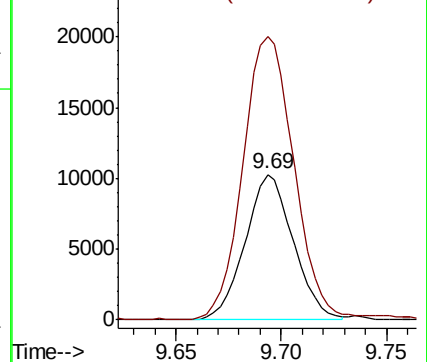
Ion Ratio Lower Upper

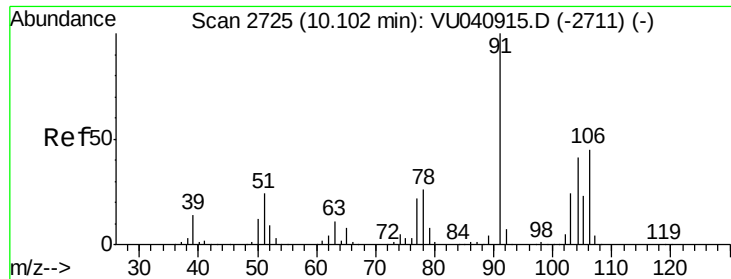
106 100

91 207.4 168.3 252.5



Abundance Ion 106.00 (105.70 to 106.70): VU040915.D (-2583) (-)

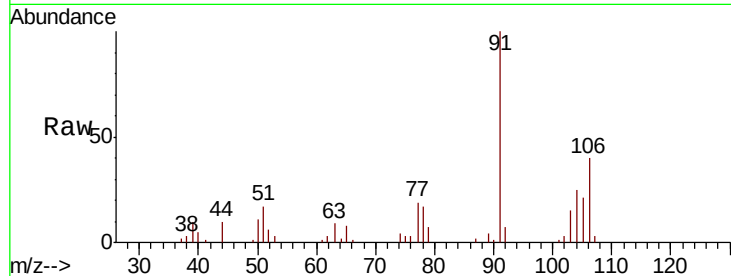




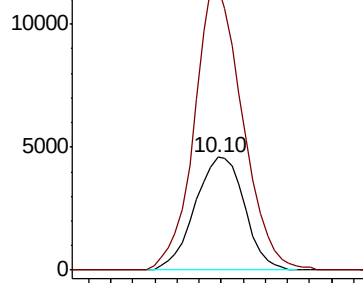
#65
o-Xylene
Concen: 0.312 ug/l
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

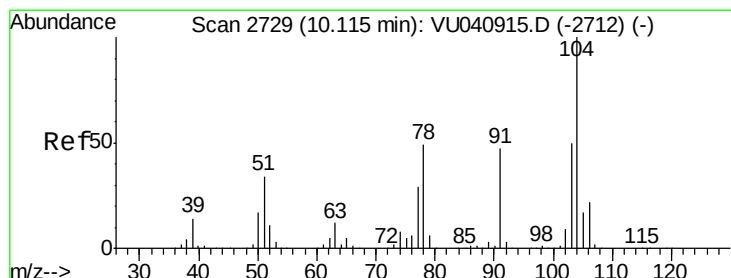
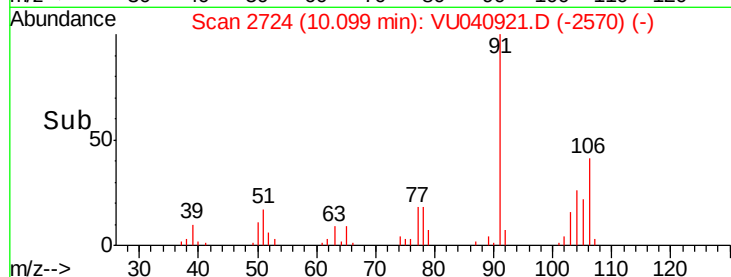
Tot Ion:106 Resp: 7165
Ion Ratio Lower Upper
106 100
91 244.7 111.3 333.9



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

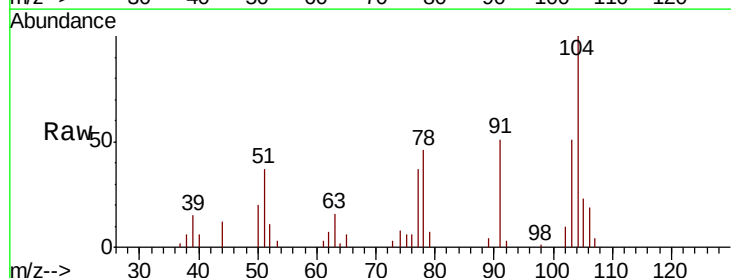


Time-->

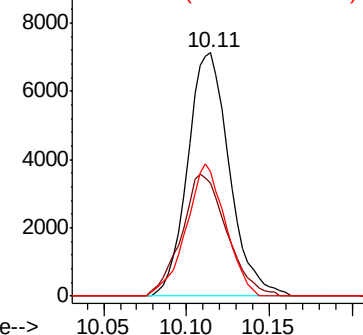


#66
Styrene
Concen: 0.308 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040921.D
Acq: 23 Oct 2020 00:22

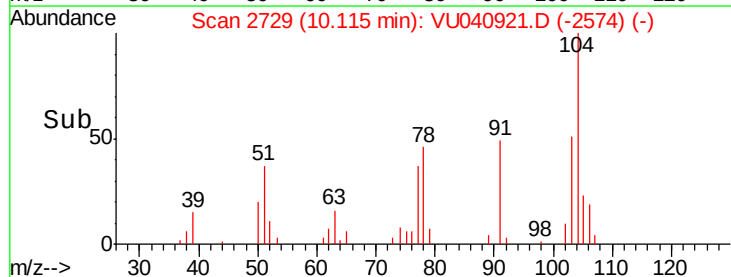
Tgt Ion:104 Resp: 12508
Ion Ratio Lower Upper
104 100
78 54.1 43.4 65.0
103 50.9 43.1 64.7

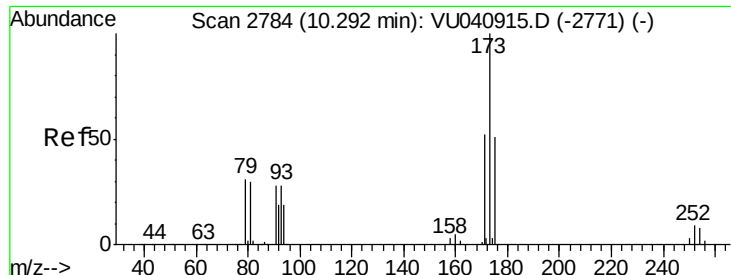


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#67

Bromoform

Concen: 0.417 ug/l

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

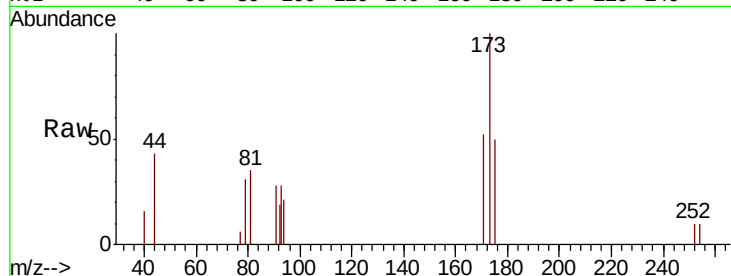
Tot Ion:173 Resp: 3697

Ion Ratio Lower Upper

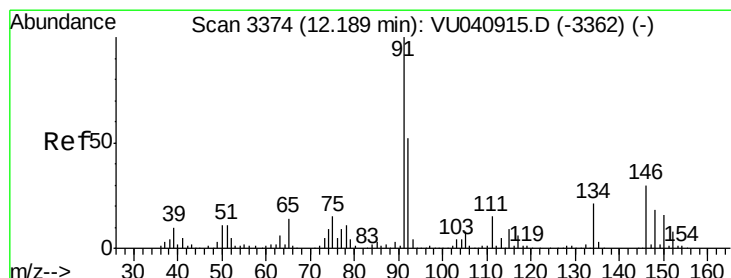
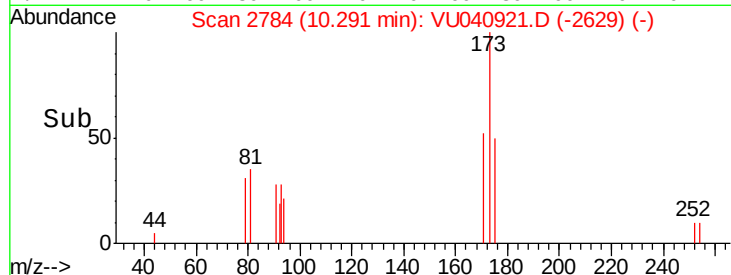
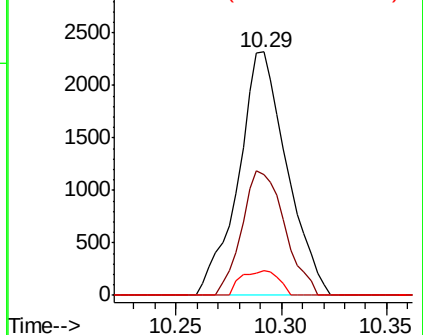
173 100

175 45.1 39.0 58.4

254 7.8 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.826 ug/l

RT: 12.19 min Scan# 3374

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

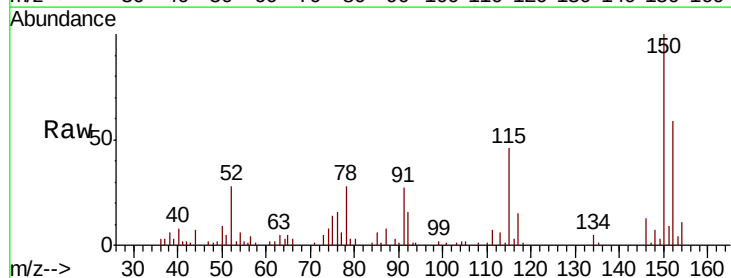
Tgt Ion:152 Resp: 16656

Ion Ratio Lower Upper

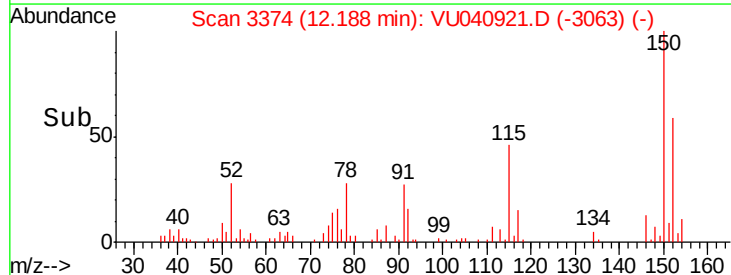
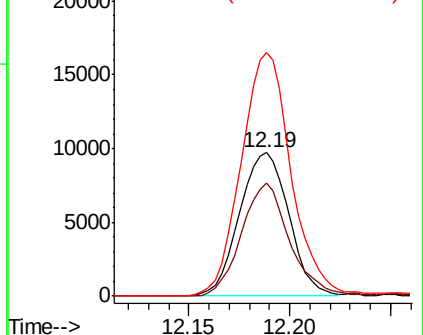
152 100

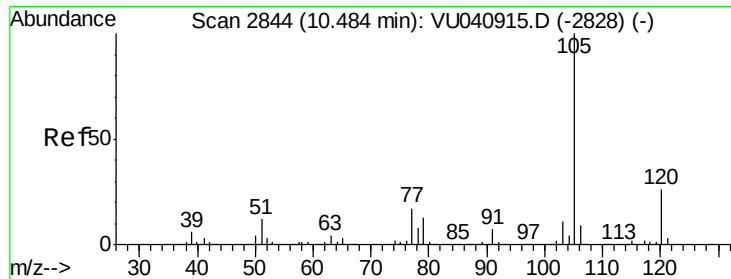
115 76.9 0.0 323.4

150 171.8 0.0 653.8



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: 0.319 ug/l

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

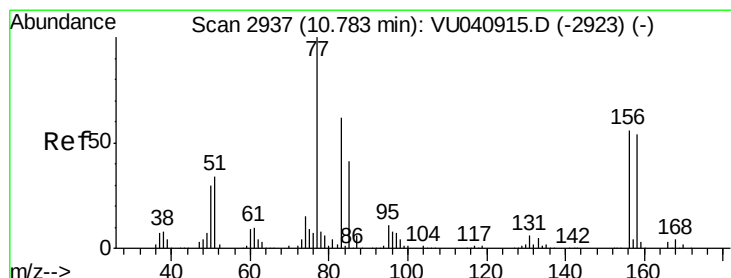
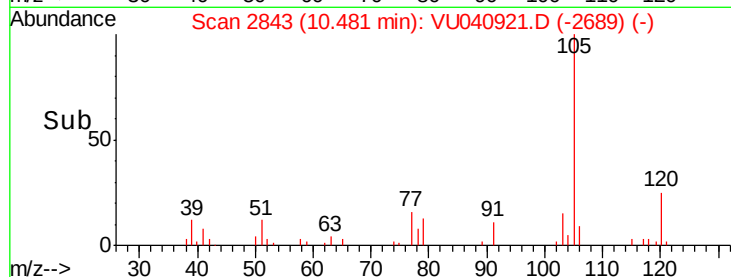
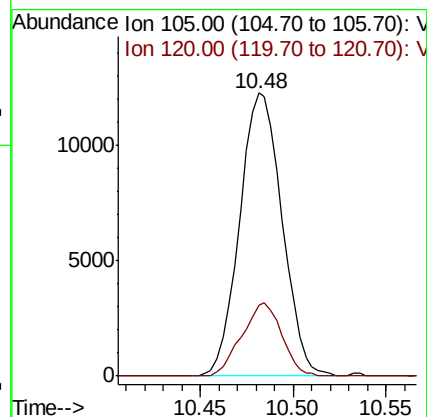
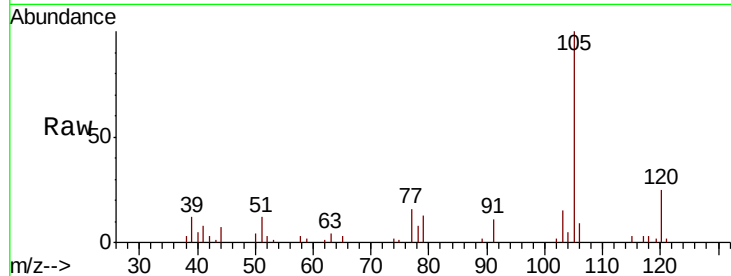
LOQ-WATER-02-QT4-2020

Tot Ion: 105 Resp: 19538

Ion Ratio Lower Upper

105 100

120 24.3 12.9 38.6



#70

1,1,2,2-Tetrachloroethane

Concen: 0.508 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

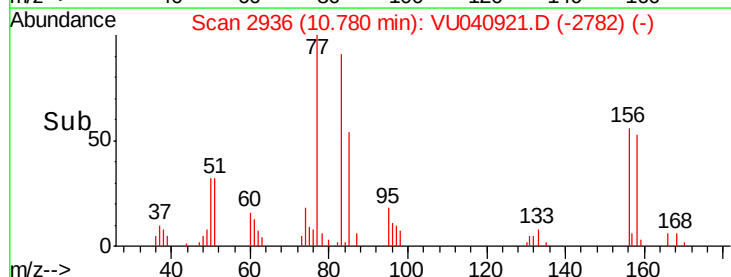
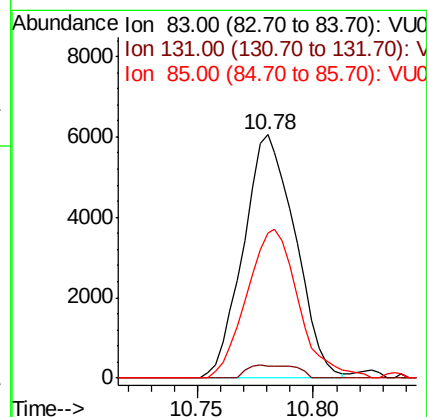
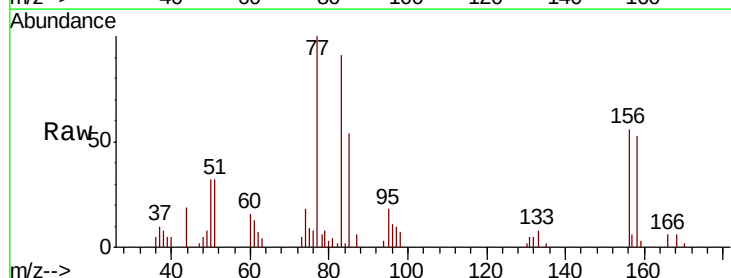
Tgt Ion: 83 Resp: 9429

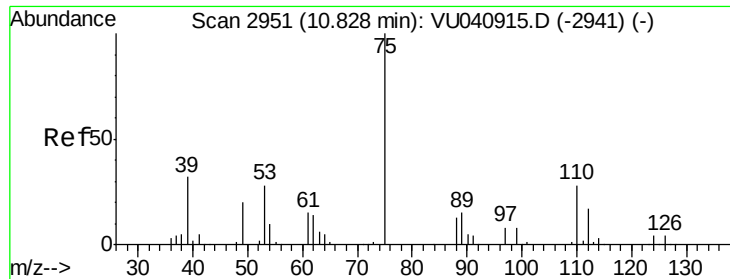
Ion Ratio Lower Upper

83 100

131 2.9 7.1 10.7#

85 60.8 51.8 77.6

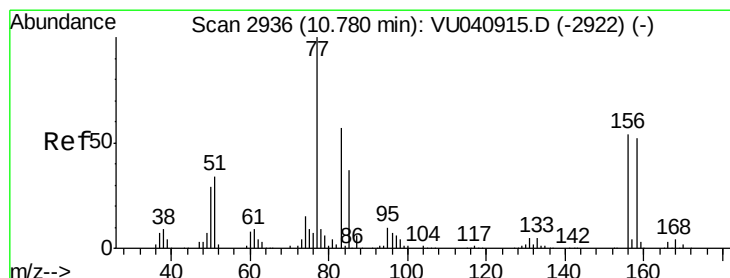
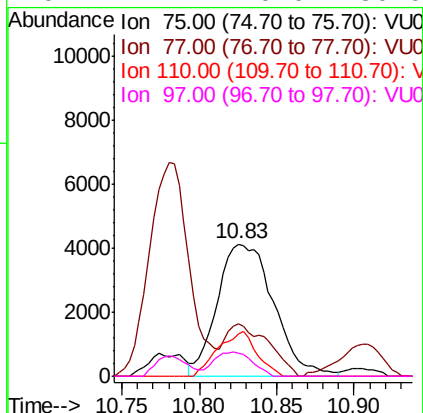
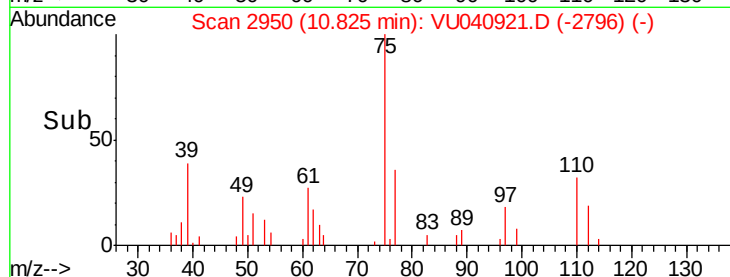
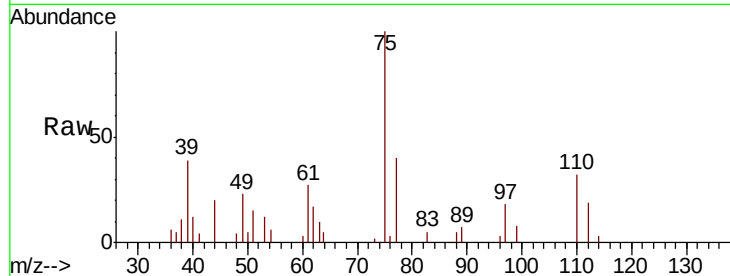




#71
 1,2,3-Trichloropropane
 Concen: 0.741 ug/l
 RT: 10.83 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

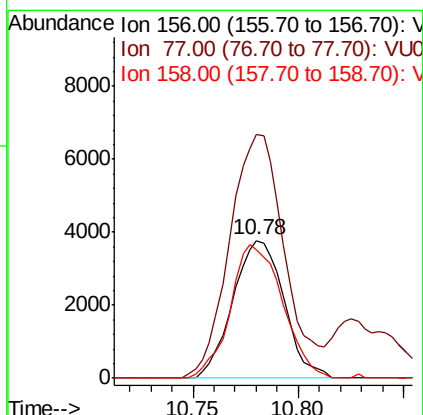
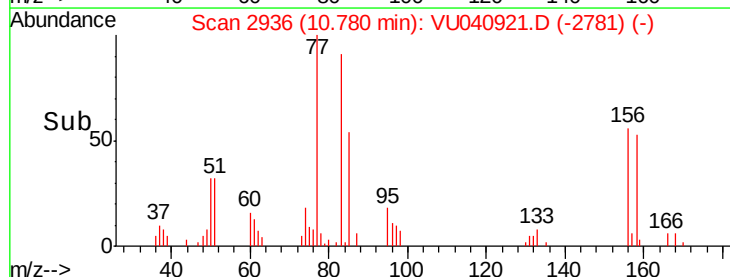
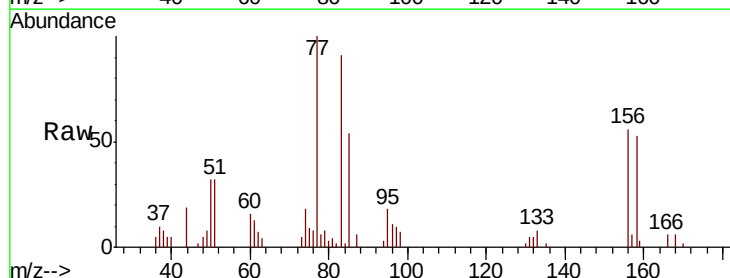
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

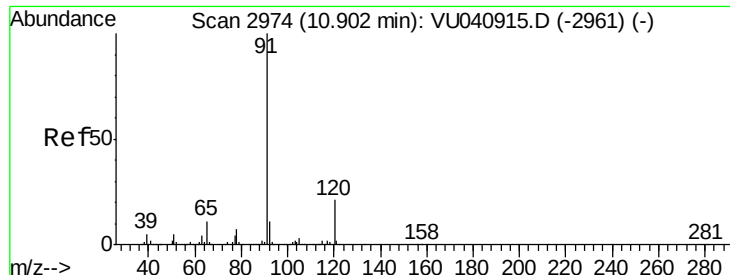
Tot Ion:	75	Resp:	10495
Ion	Ratio	Lower	Upper
75	100		
77	29.8	0.0	110.8
110	23.1	0.0	73.4
97	12.7	0.0	36.0



#72
 Bromobenzene
 Concen: 0.396 ug/l
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion:	156	Resp:	6325
Ion	Ratio	Lower	Upper
156	100		
77	191.4	0.0	370.2
158	99.4	0.0	193.2





#73

n-propylbenzene

Concen: 0.294 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

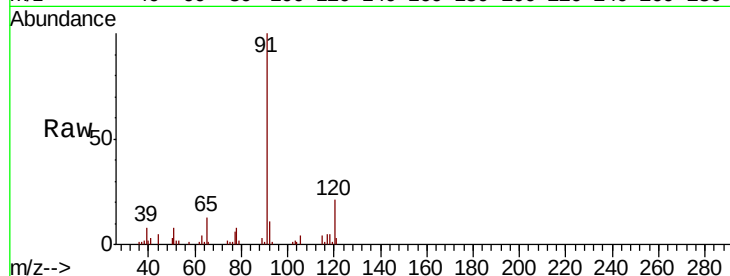
LOQ-WATER-02-QT4-2020

Tot Ion:120 Resp: 5155

Ion Ratio Lower Upper

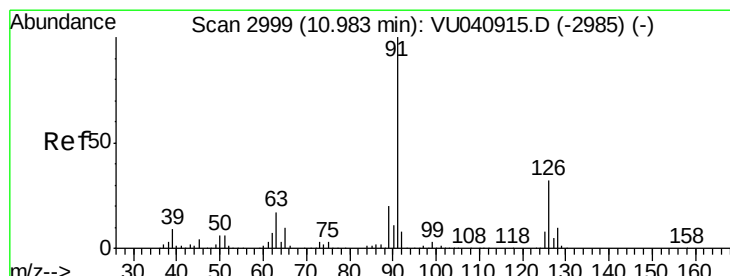
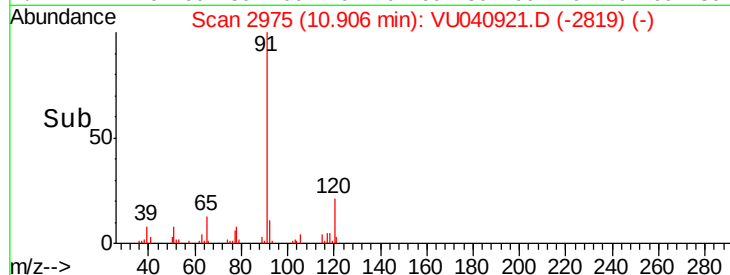
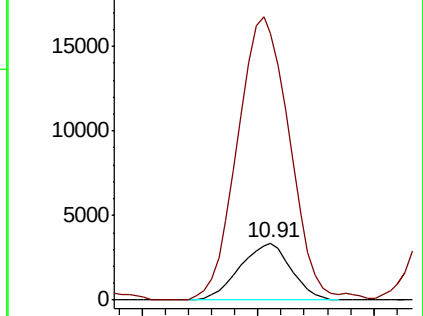
120 100

91 507.3 370.8 556.2



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.336 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. -0.00 min

Lab File: VU040921.D

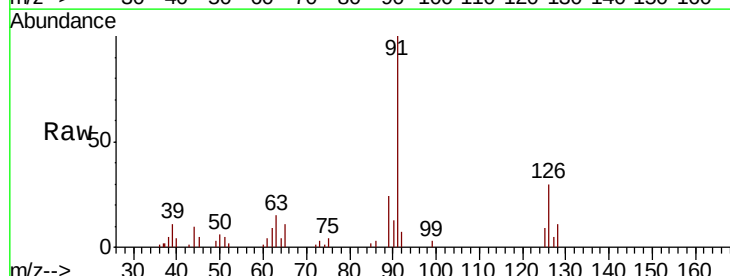
Acq: 23 Oct 2020 00:22

Tgt Ion:126 Resp: 5351

Ion Ratio Lower Upper

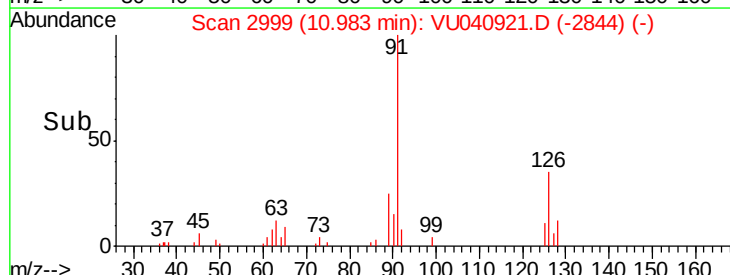
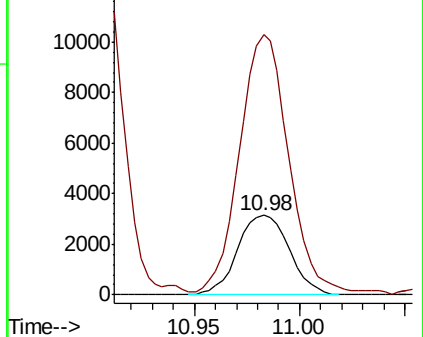
126 100

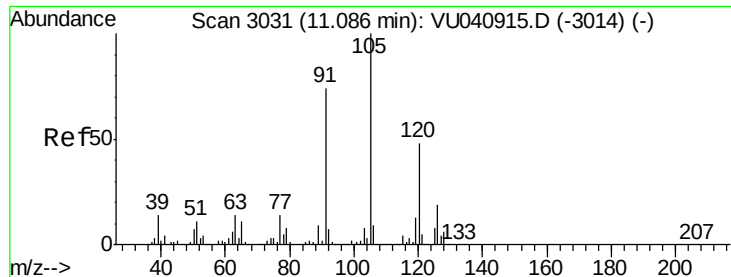
91 316.3 0.0 633.2



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: 0.309 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

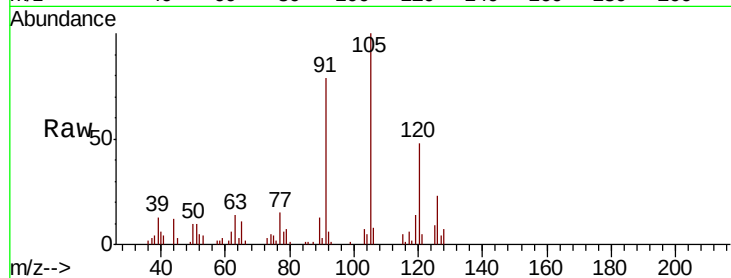
LOQ-WATER-02-QT4-2020

Tot Ion:105 Resp: 16927

Ion Ratio Lower Upper

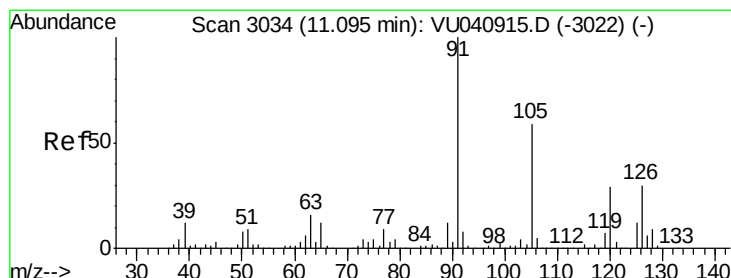
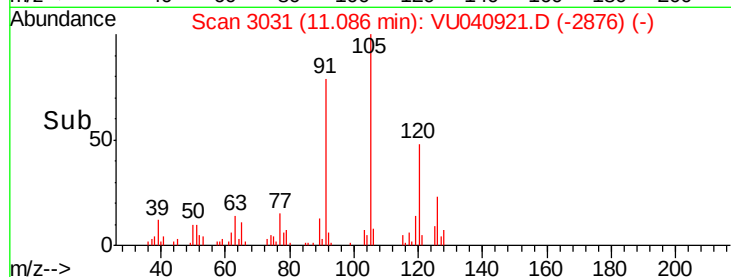
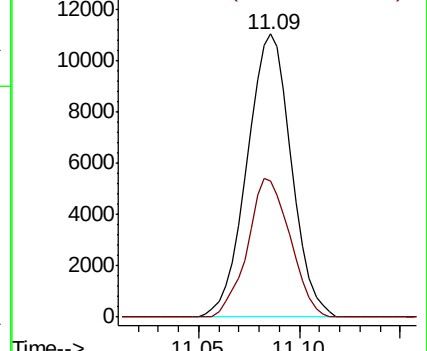
105 100

120 47.2 38.7 58.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.338 ug/l

RT: 11.09 min Scan# 3033

Delta R.T. -0.00 min

Lab File: VU040921.D

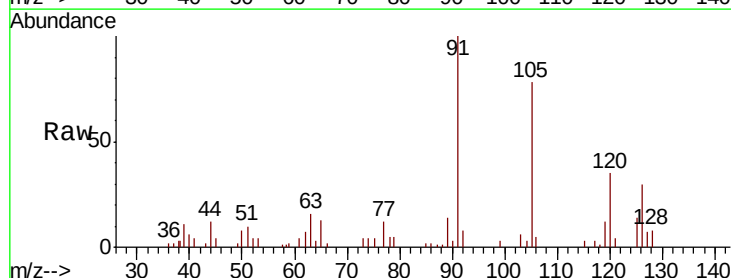
Acq: 23 Oct 2020 00:22

Tgt Ion:126 Resp: 5582

Ion Ratio Lower Upper

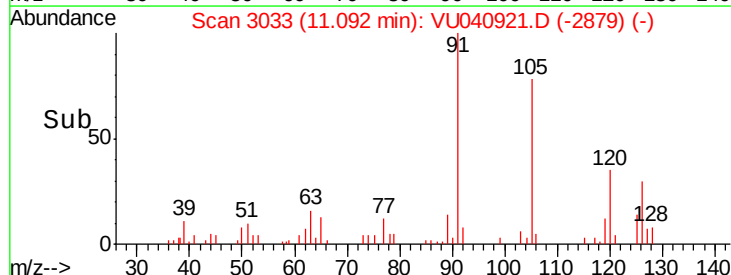
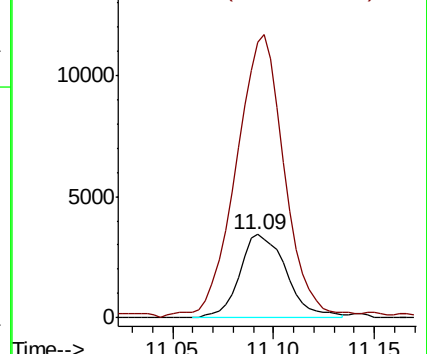
126 100

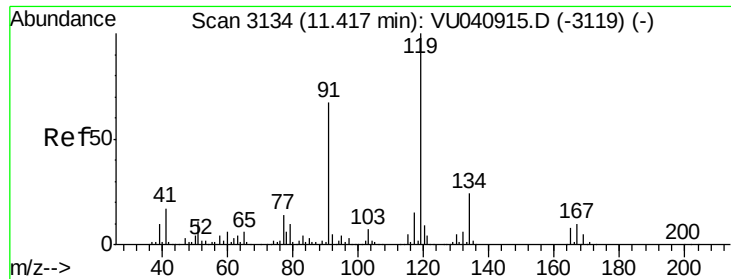
91 352.7 0.0 730.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.328 ug/l

RT: 11.42 min Scan# 3134

Delta R.T. -0.00 min

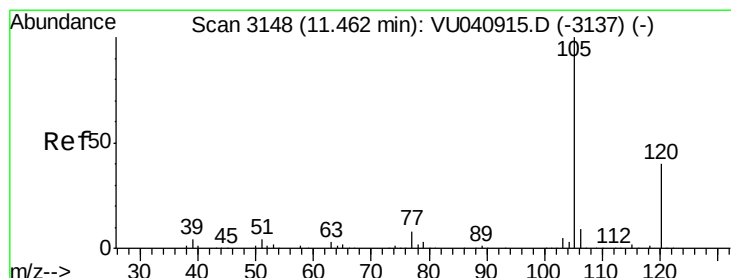
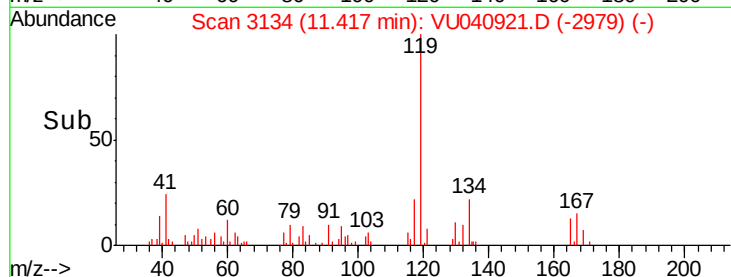
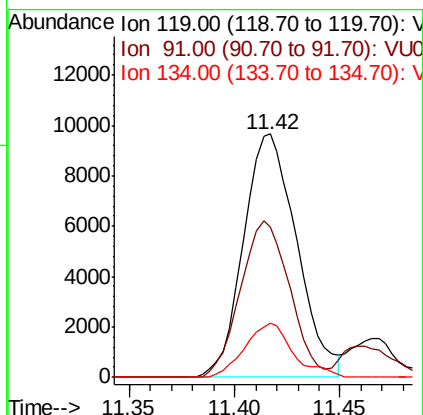
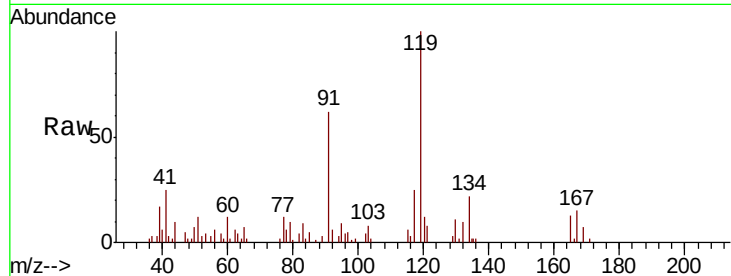
Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion:119 Resp: 16979

Ion	Ratio	Lower	Upper
119	100		
91	59.2	32.0	96.2
134	20.2	18.4	27.6



#78

1,2,4-Trimethylbenzene

Concen: 0.287 ug/l

RT: 11.47 min Scan# 3149

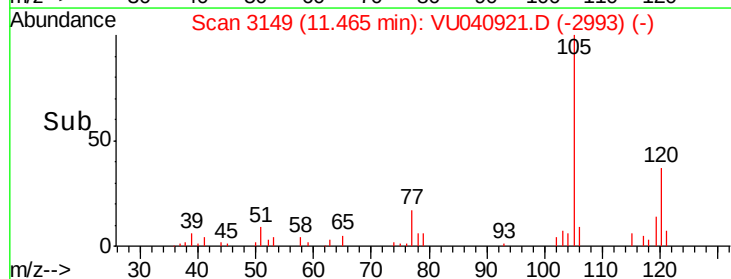
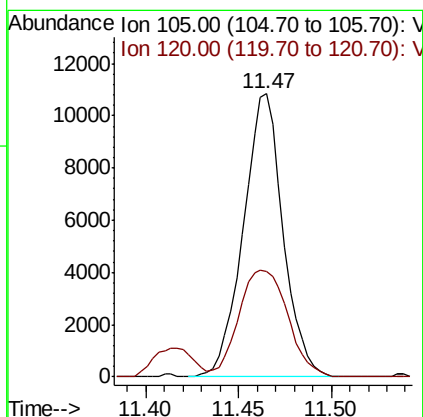
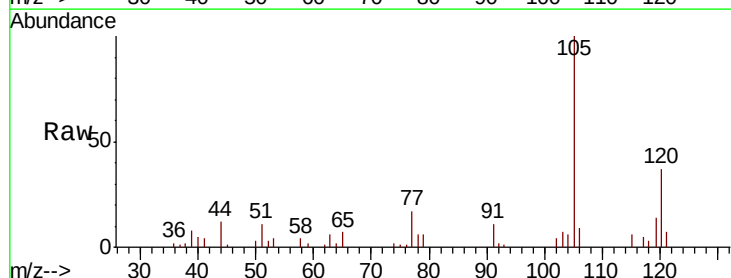
Delta R.T. 0.00 min

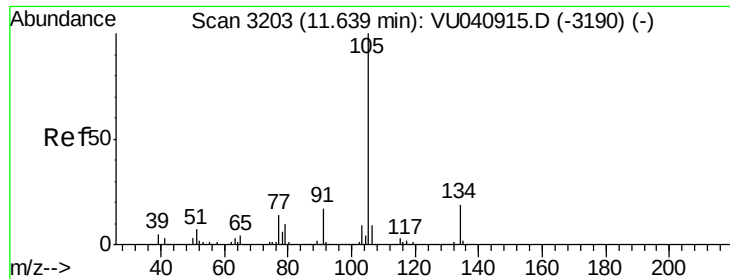
Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Tgt Ion:105 Resp: 16100

Ion	Ratio	Lower	Upper
105	100		
120	46.7	22.6	67.8

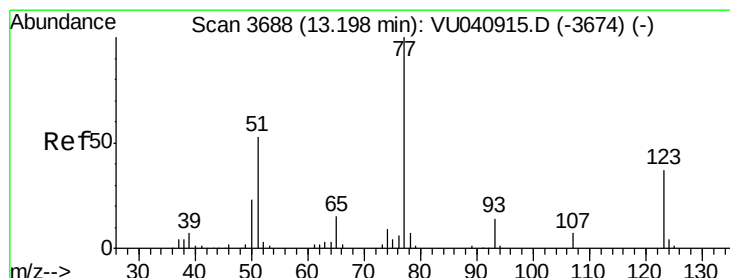
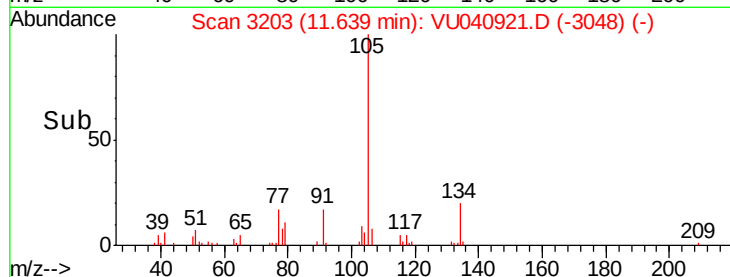
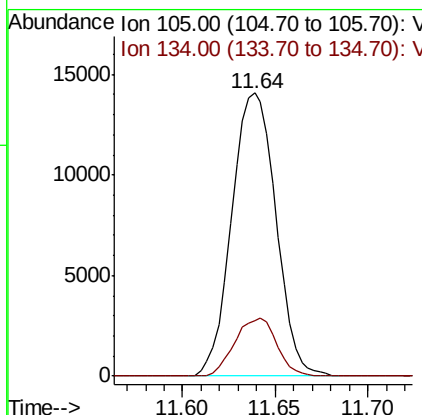
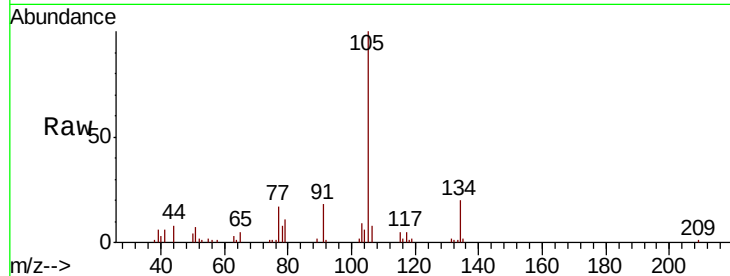




#79
 sec-Butylbenzene
 Concen: 0.324 ug/l
 RT: 11.64 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

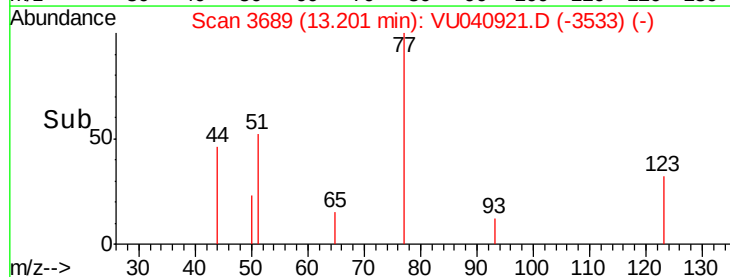
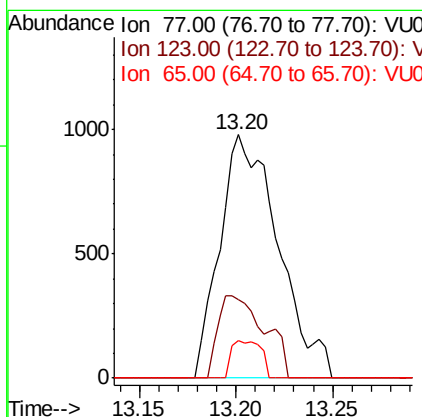
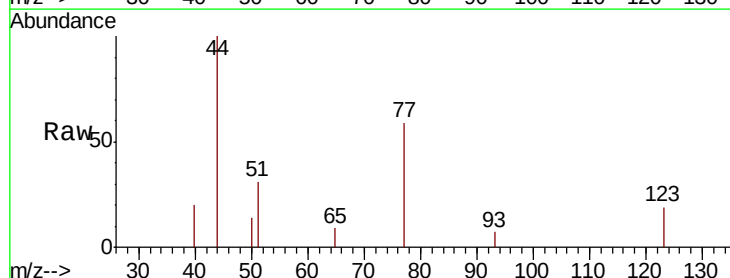
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

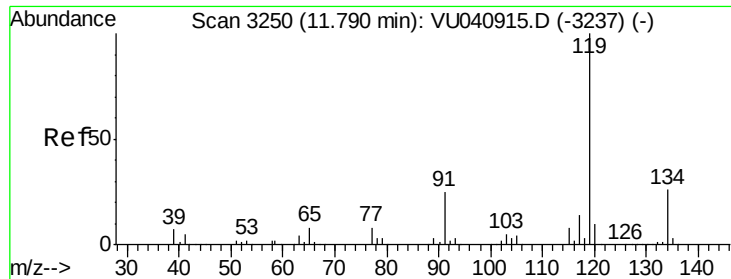
Tot Ion:105 Resp: 23301
 Ion Ratio Lower Upper
 105 100
 134 19.5 15.4 23.0



#80
 Nitrobenzene
 Concen: 2.347 ug/l
 RT: 13.20 min Scan# 3689
 Delta R.T. 0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion: 77 Resp: 2062
 Ion Ratio Lower Upper
 77 100
 123 27.0 16.8 59.4
 65 7.7 11.0 14.0#

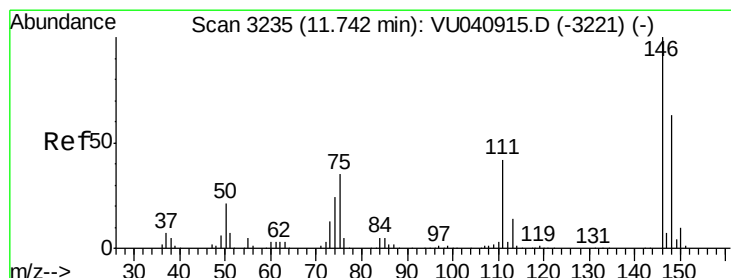
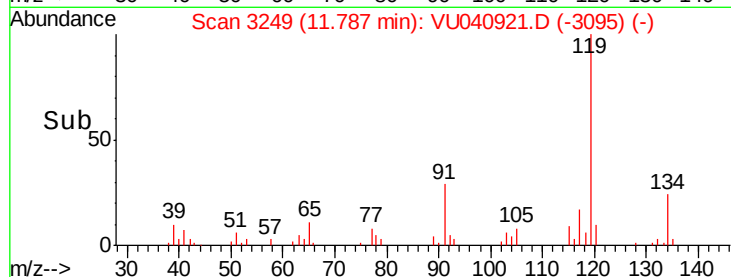
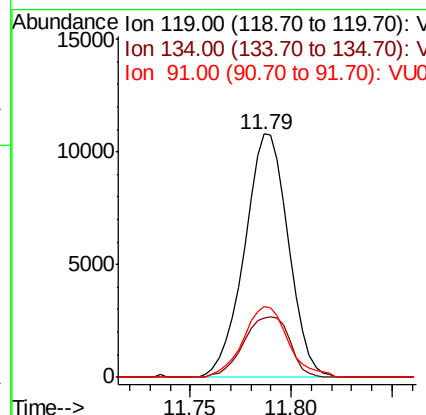
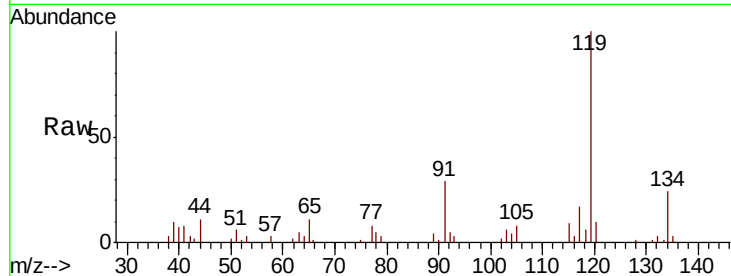




#81
 p-Isopropyltoluene
 Concen: 0.278 ug/l
 RT: 11.79 min Scan# 3249
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

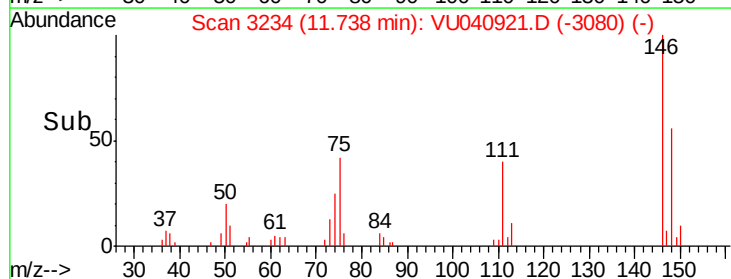
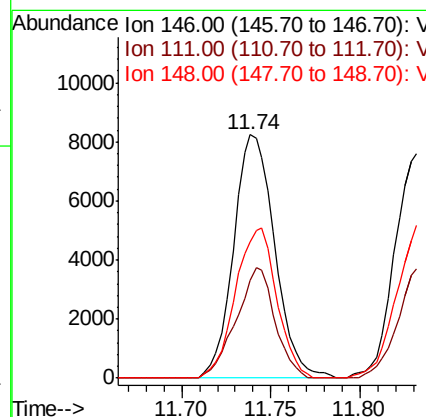
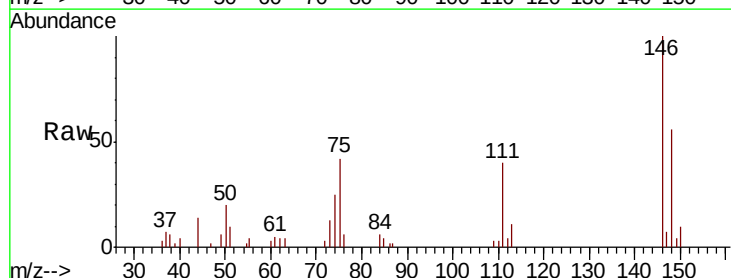
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

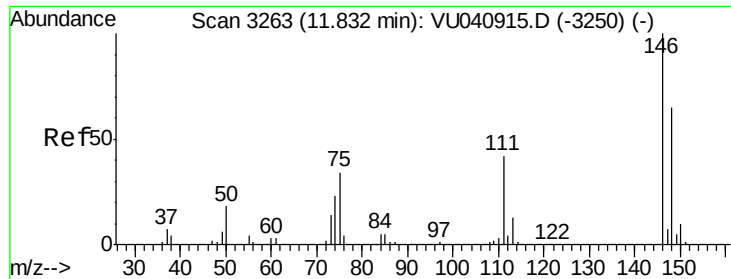
Tot Ion:119 Resp: 16436
 Ion Ratio Lower Upper
 119 100
 134 26.1 20.4 30.6
 91 29.9 20.4 30.6



#82
 1,3-Dichlorobenzene
 Concen: 0.380 ug/l
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion:146 Resp: 13239
 Ion Ratio Lower Upper
 146 100
 111 42.7 33.6 50.4
 148 61.8 50.1 75.1

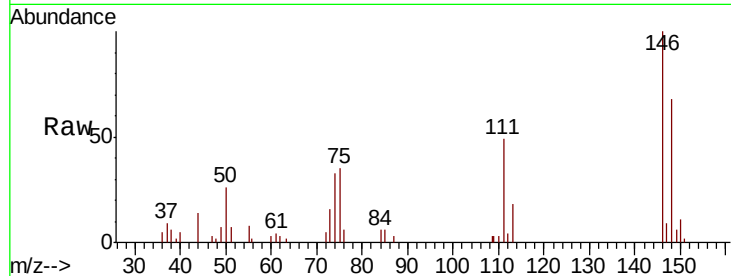




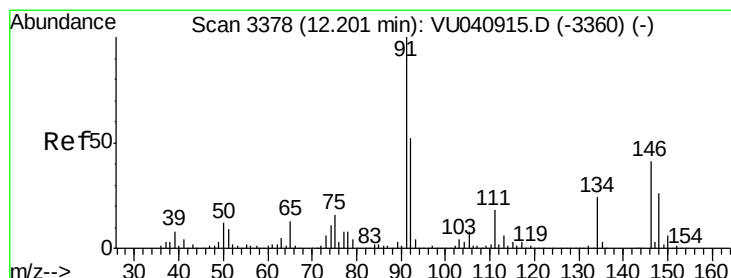
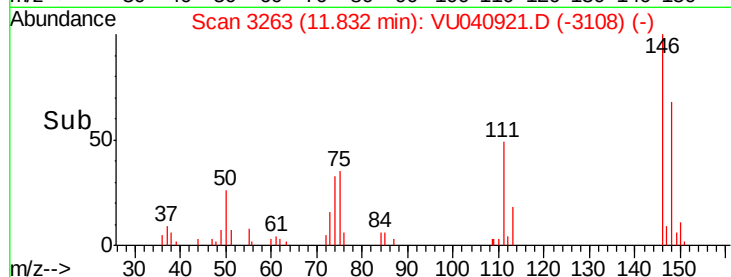
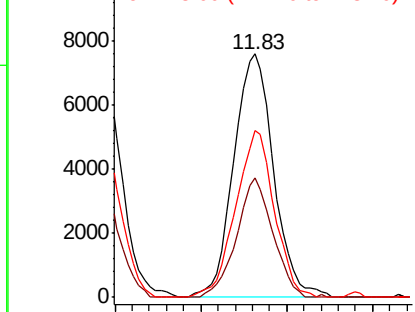
#83
 1,4-Dichlorobenzene
 Concen: 0.347 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion:146 Resp: 12220
 Ion Ratio Lower Upper
 146 100
 111 44.5 33.7 50.5
 148 66.4 50.6 75.8

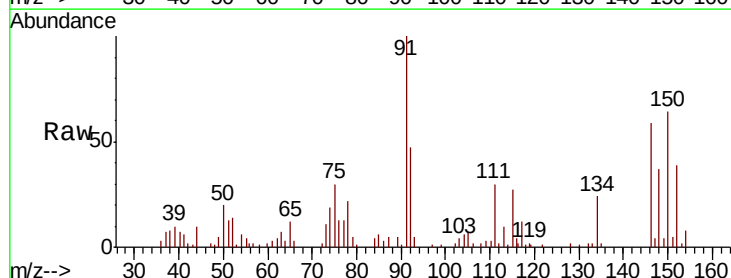


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

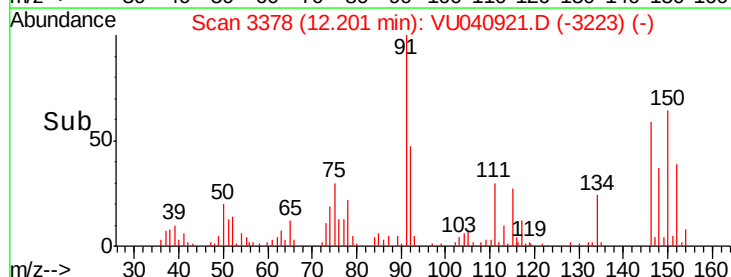
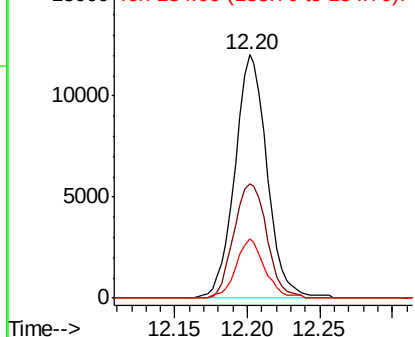


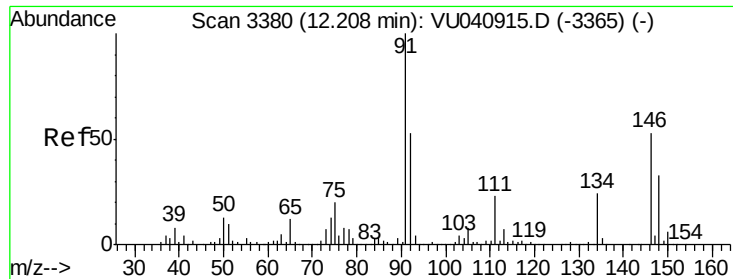
#84
 n-Butylbenzene
 Concen: 0.308 ug/l
 RT: 12.20 min Scan# 3378
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion: 91 Resp: 18577
 Ion Ratio Lower Upper
 91 100
 92 47.9 41.7 62.5
 134 21.7 18.6 28.0



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

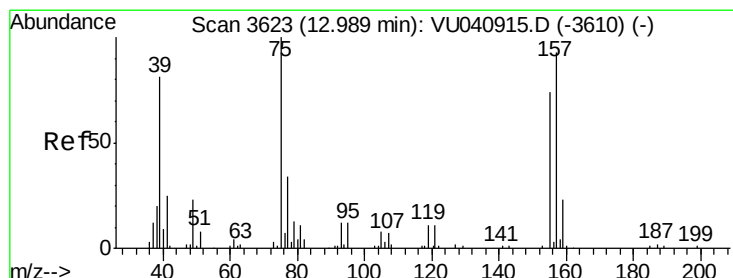
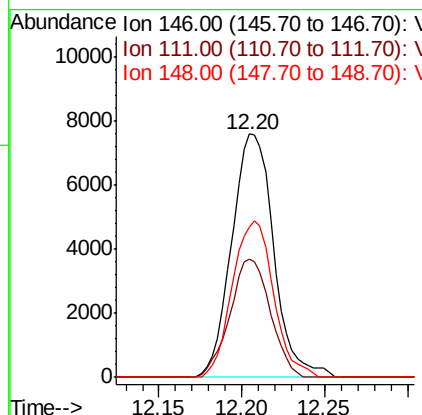
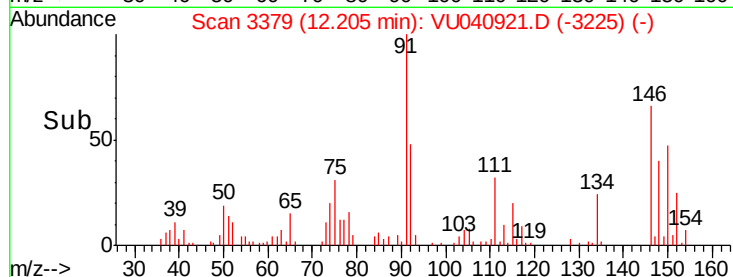
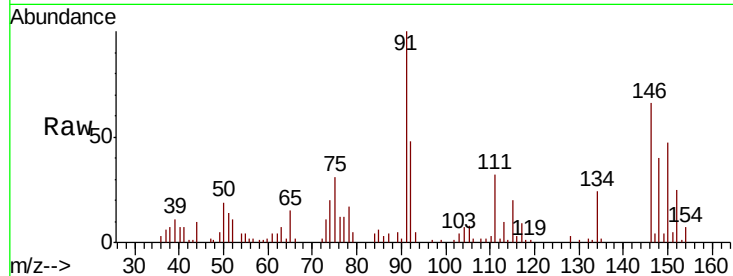




#85
 1,2-Dichlorobenzene
 Concen: 0.402 ug/l
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

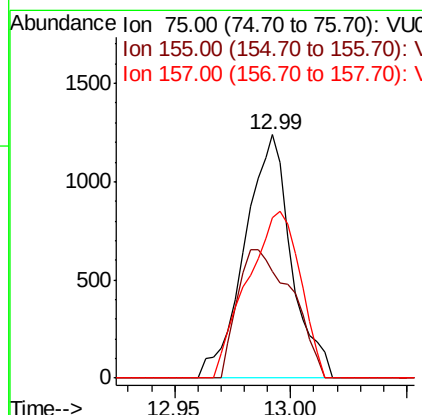
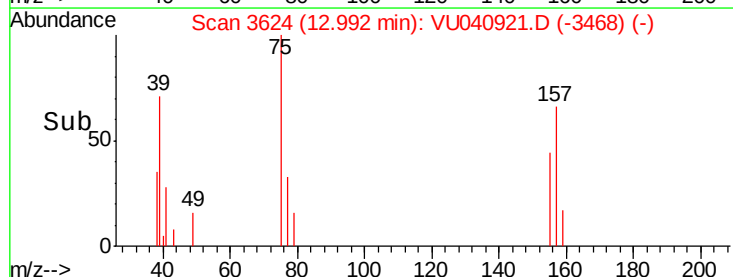
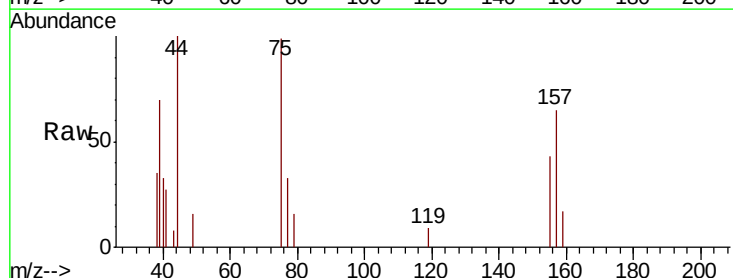
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

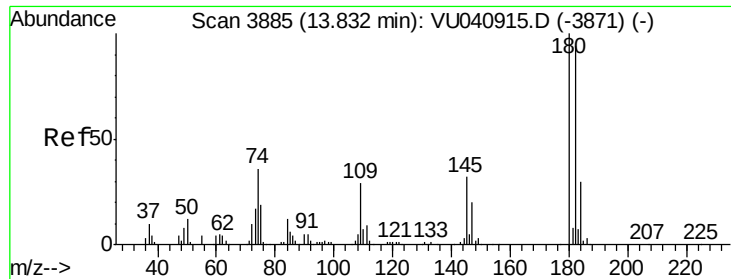
Tot Ion:146 Resp: 13400
 Ion Ratio Lower Upper
 146 100
 111 46.8 22.3 66.9
 148 62.8 31.5 94.5



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.500 ug/l
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion: 75 Resp: 1732
 Ion Ratio Lower Upper
 75 100
 155 61.8 57.1 85.7
 157 77.8 72.4 108.6

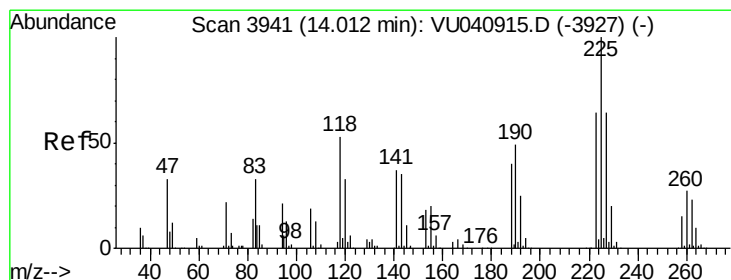
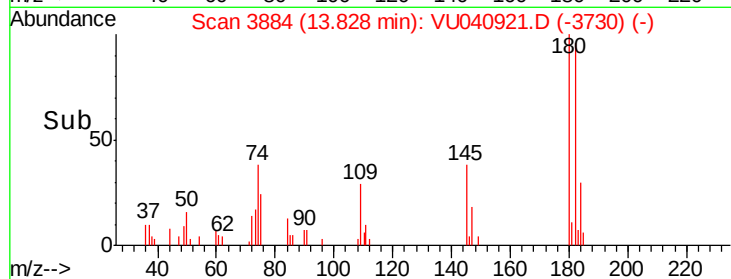
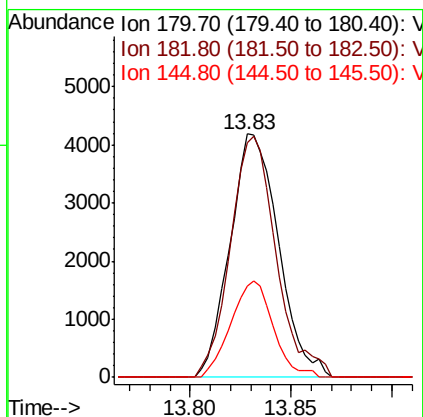
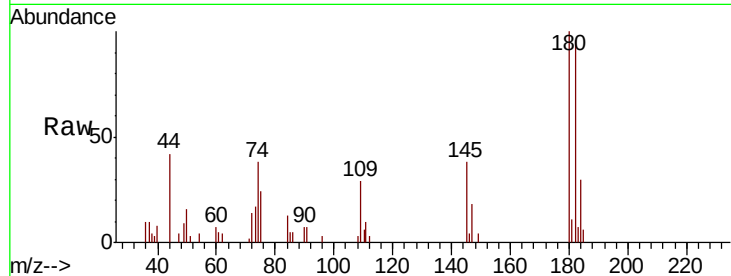




#87
 1,2,4-Trichlorobenzene
 Concen: 0.360 ug/l
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

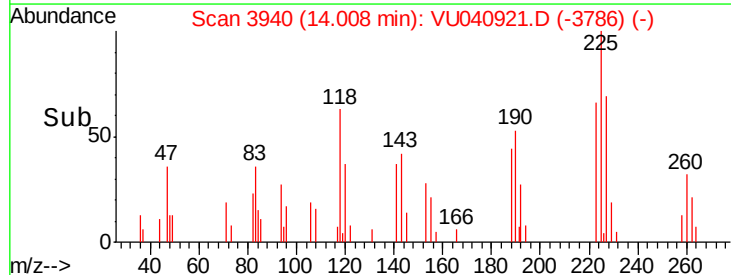
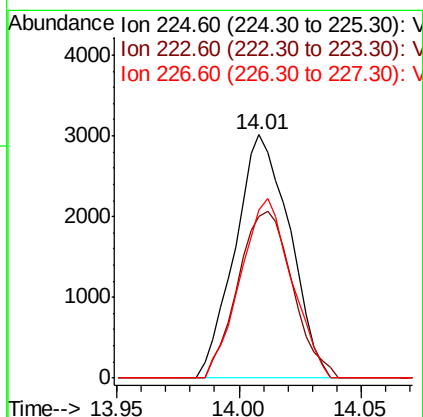
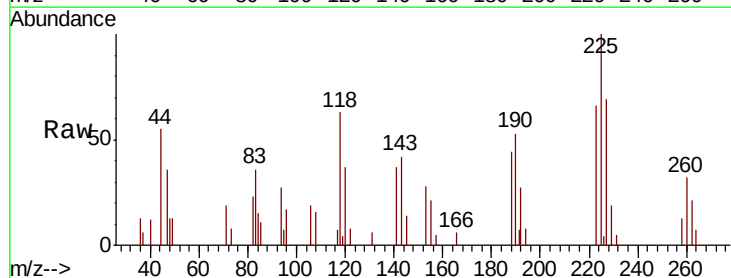
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

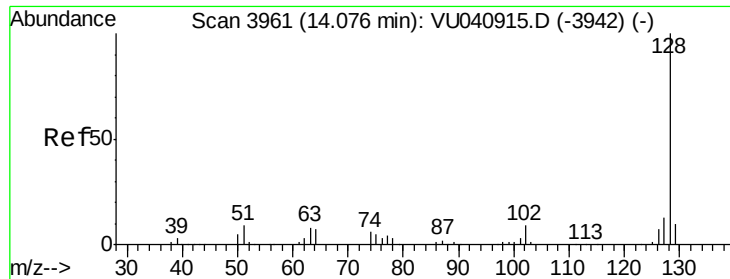
Tot Ion:180 Resp: 7046
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.4 113.2
 145 34.7 25.4 38.0



#88
 Hexachlorobutadiene
 Concen: 0.427 ug/l
 RT: 14.01 min Scan# 3940
 Delta R.T. -0.00 min
 Lab File: VU040921.D
 Acq: 23 Oct 2020 00:22

Tgt Ion:225 Resp: 4687
 Ion Ratio Lower Upper
 225 100
 223 68.5 49.9 74.9
 227 69.2 51.1 76.7





#89

Naphthalene

Concen: 0.334 ug/l

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2020

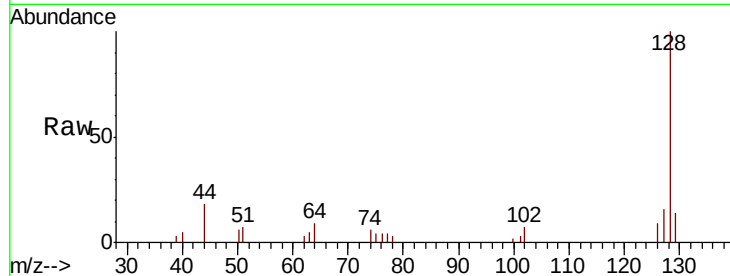
Tot Ion:128 Resp: 12631

Ion Ratio Lower Upper

128 100

127 14.1 10.7 16.1

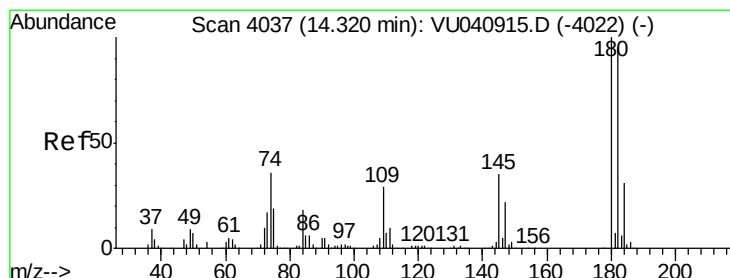
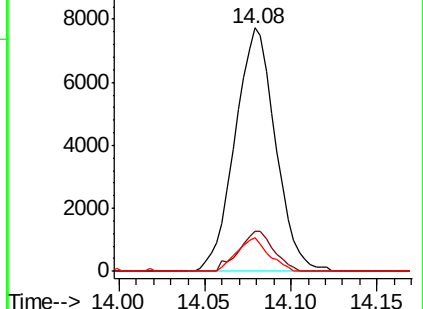
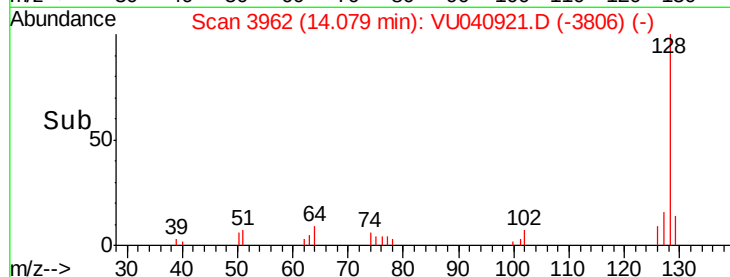
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 0.362 ug/l

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU040921.D

Acq: 23 Oct 2020 00:22

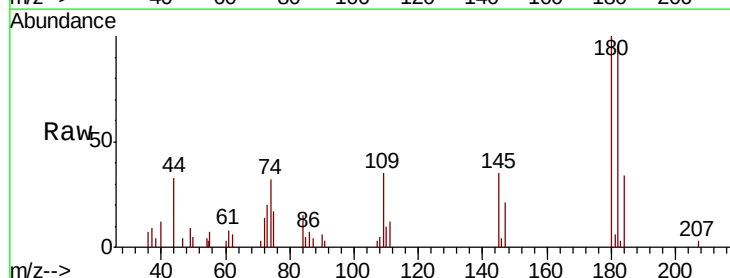
Tgt Ion:180 Resp: 6887

Ion Ratio Lower Upper

180 100

182 89.3 76.0 114.0

145 35.1 28.0 42.0



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

