

Data File : VU039720.D
Acq On : 30 Jul 2020 13:26
Operator : SY/MD
Sample : L3216-08 0.5PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2020

Quant Time: Jul 31 06:16:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 30 13:49:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	19602	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	6624	0.86	ug/l	0.00
Spiked Amount	1.000		Recovery	=	86.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	6879	0.92	ug/l	0.00
Spiked Amount	1.000		Recovery	=	92.00%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.39	85	3252	0.477	ug/l	89
3) Chloromethane	1.53	50	4640	0.548	ug/l	98
4) Vinyl Chloride	1.61	62	3588	0.460	ug/l	98
5) Bromomethane	1.87	94	2640	0.495	ug/l	99
6) Chloroethane	1.94	64	2956	0.546	ug/l	99
7) Trichlorofluoromethane	2.15	101	4936	0.479	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2854	0.482	ug/l	92
9) 1,1-Dichloroethene	2.59	96	2340	0.430	ug/l	86
10) Iodomethane	2.74	142	3018	0.549	ug/l	96
11) Allyl Chloride	2.94	41	5627	0.479	ug/l	100
12) Acrylonitrile	3.35	53	1833	0.959	ug/l #	93
13) Acetone	2.66	43	5461	3.036	ug/l	98
14) Carbon Disulfide	2.81	76	9077	0.454	ug/l #	90
15) Methylene Chloride	3.06	84	5259	0.693	ug/l	98
16) trans-1,2-Dichloroethene	3.37	96	3049	0.492	ug/l #	85
17) 1,1-Dichloroethane	3.89	63	6430	0.473	ug/l #	91
18) 2-Butanone	4.75	43	8902	2.943	ug/l	97
19) Cyclohexane	5.40	56	5545	0.421	ug/l	96
20) Methylcyclohexane	6.77	83	3793	0.389	ug/l	96
21) 2,2-Dichloropropane	4.68	77	5770	0.520	ug/l	96
22) cis-1,2-Dichloroethene	4.68	96	3064	0.459	ug/l	84
23) Diethyl Ether	2.39	59	3056	0.549	ug/l	95
24) tert-Butyl Alcohol	3.22	59	1542	Below Cal	#	92
25) Methyl tert-Butyl Ether	3.39	73	7870	0.443	ug/l #	69
26) Bromochloromethane	4.99	128	1223	0.448	ug/l	98
27) Chloroform	5.11	83	6129	0.482	ug/l	93
28) 1,1,1-Trichloroethane	5.33	97	4549	0.442	ug/l	99
29) 1,1-Dichloropropene	5.54	75	4335	0.437	ug/l	100
30) Carbon Tetrachloride	5.53	117	3629	0.431	ug/l	97
31) Isopropyl Ether	4.02	45	11811	0.476	ug/l	93
32) Ethyl-t-butyl ether	4.53	59	9414	0.446	ug/l	98
33) Tert-Amyl methyl ether	5.97	73	6277	0.413	ug/l #	92
34) Propionitrile	4.82	54	1815	2.432	ug/l #	87
35) Benzene	5.79	78	12742	0.520	ug/l	96
36) 1,2-Dichloroethane	5.81	62	4847	0.527	ug/l #	96
37) Trichloroethene	6.55	130	2601	0.464	ug/l	99
38) 1,2-Dichloropropane	6.81	63	2925	0.433	ug/l	93
39) Methacrylonitrile	5.01	41	2091	0.532	ug/l #	79
40) Methyl acrylate	4.87	55	2305	0.455	ug/l #	87
41) Tetrahydrofuran	5.10	42	2147	1.085	ug/l #	79
42) 1-Chlorobutane	5.47	56	6842	0.440	ug/l	94

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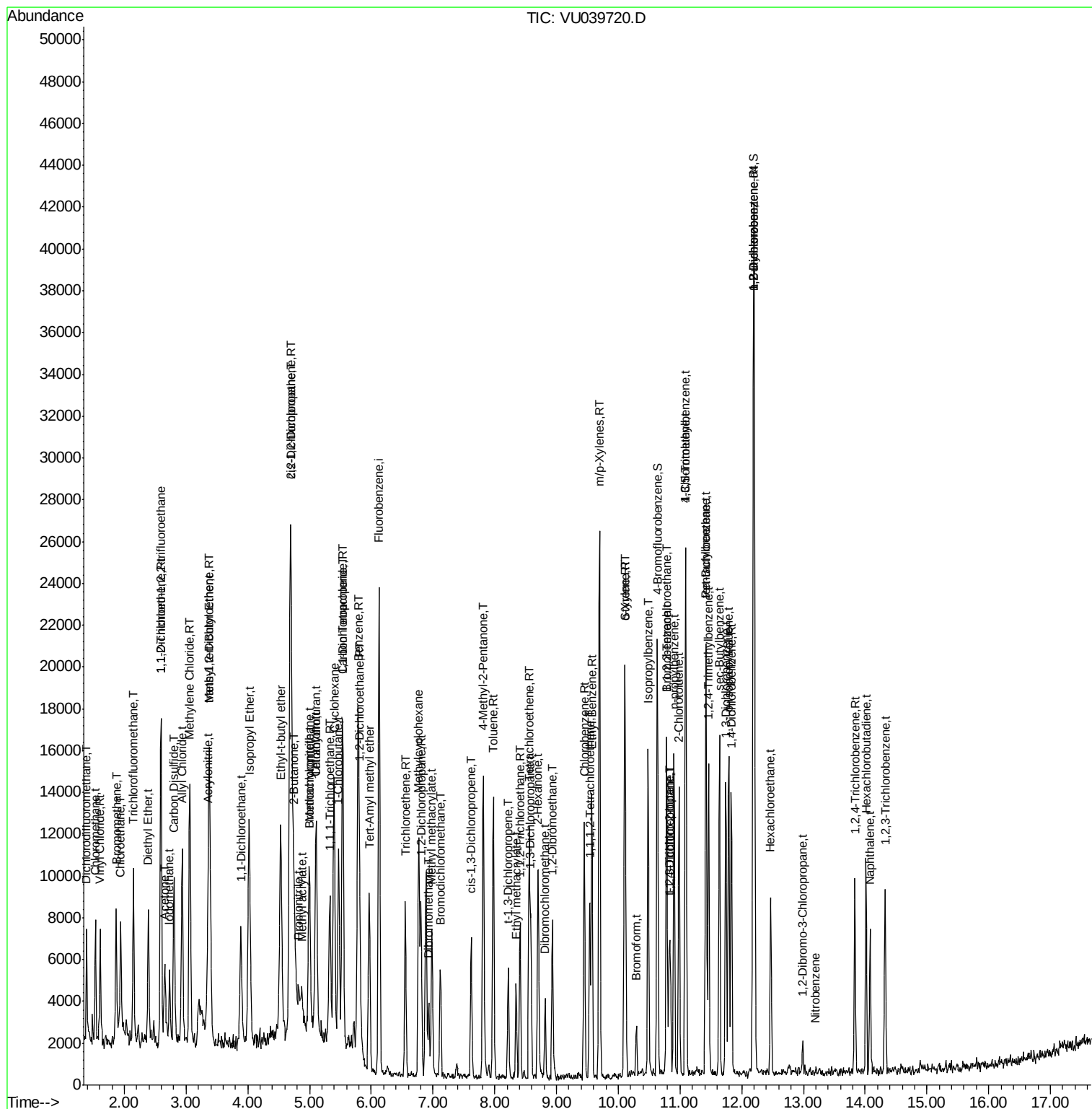
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	1475	0.405	ug/l	94
44) Bromodichloromethane	7.12	83	3568	0.428	ug/l	98
45) 4-Methyl-2-Pentanone	7.81	43	11129	2.020	ug/l	97
46) t-1,4-Dichloro-2-butene	10.83	75	3132	1.911	ug/l #	41
47) Methyl methacrylate	6.98	69	2708	0.798	ug/l	95
48) Ethyl methacrylate	8.34	69	2270	0.364	ug/l	95
49) Toluene	7.98	92	5495	0.376	ug/l	96
50) t-1,3-Dichloropropene	8.22	75	2819	0.375	ug/l #	86
51) cis-1,3-Dichloropropene	7.62	75	3279	0.371	ug/l #	86
52) 1,1,2-Trichloroethane	8.41	97	2029	0.429	ug/l	90
53) 1,3-Dichloropropane	8.58	76	3727	0.411	ug/l	97
54) 2-Hexanone	8.70	43	7493	1.899	ug/l	97
55) Dibromochloromethane	8.82	129	1765	0.348	ug/l	91
56) 1,2-Dibromoethane	8.93	107	1825	0.401	ug/l	93
58) Tetrachloroethene	8.56	164	2304	0.469	ug/l	96
59) Chlorobenzene	9.45	112	5918	0.392	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.54	131	2006	0.394	ug/l	96
61) Pentachloroethane	11.43	117	1679	0.375	ug/l	95
62) Hexachloroethane	12.47	117	1456	0.355	ug/l	93
63) Ethyl Benzene	9.57	91	9429	0.349	ug/l	97
64) m/p-Xylenes	9.70	106	7058	0.668	ug/l	94
65) o-Xylene	10.10	106	3693	0.368	ug/l	88
66) Styrene	10.11	104	5739	0.334	ug/l	96
67) Bromoform	10.29	173	841	0.325	ug/l #	89
69) Isopropylbenzene	10.48	105	9430	0.352	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.79	83	2960	0.435	ug/l #	94
71) 1,2,3-Trichloropropane	10.83	75	3132	0.611	ug/l	88
72) Bromobenzene	10.78	156	2142	0.352	ug/l	84
73) n-propylbenzene	10.90	120	2293	0.304	ug/l	80
74) 2-Chlorotoluene	10.99	126	2020	0.317	ug/l	75
75) 1,3,5-Trimethylbenzene	11.09	105	7593	0.328	ug/l	98
76) 4-Chlorotoluene	11.10	126	2390	0.362	ug/l	95
77) tert-Butylbenzene	11.42	119	7392	0.333	ug/l	98
78) 1,2,4-Trimethylbenzene	11.47	105	7993	0.336	ug/l	97
79) sec-Butylbenzene	11.64	105	10198	0.322	ug/l	96
80) Nitrobenzene	13.20	77	88	0.764	ug/l #	44
81) p-Isopropyltoluene	11.79	119	8076	0.317	ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	5003	0.382	ug/l	96
83) 1,4-Dichlorobenzene	11.83	146	4888	0.371	ug/l	99
84) n-Butylbenzene	12.20	91	8698	0.321	ug/l	95
85) 1,2-Dichlorobenzene	12.21	146	5083	0.402	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	381	0.332	ug/l	95
87) 1,2,4-Trichlorobenzene	13.83	180	2934	0.371	ug/l	95
88) Hexachlorobutadiene	14.01	225	1138	0.317	ug/l	84
89) Naphthalene	14.08	128	5469	0.324	ug/l	98
90) 1,2,3-Trichlorobenzene	14.32	180	2567	0.344	ug/l	95

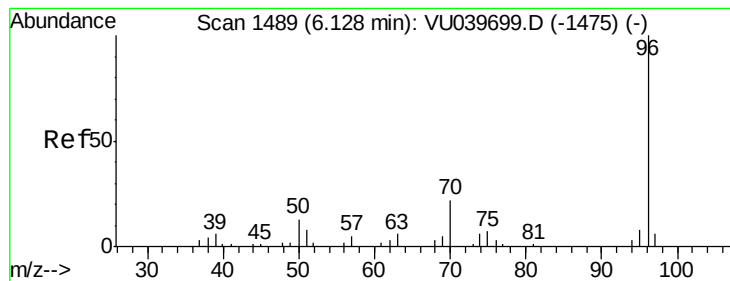
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tgt Ion: 96 Resp: 19602

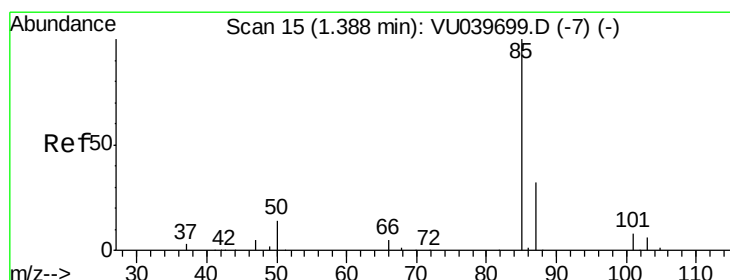
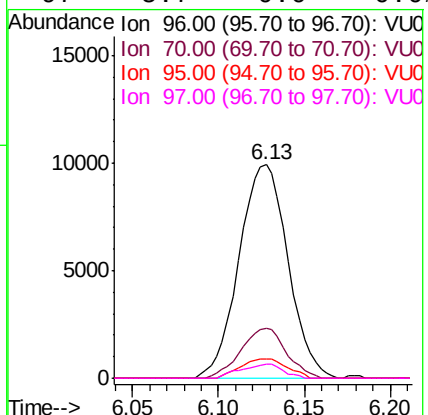
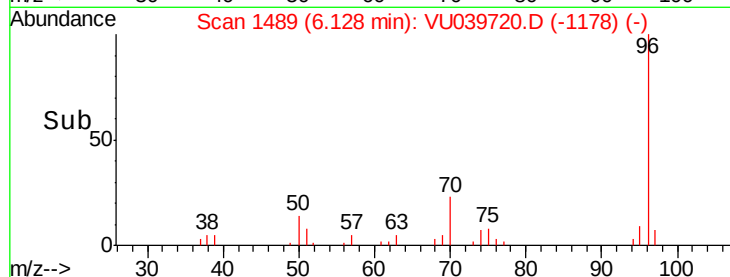
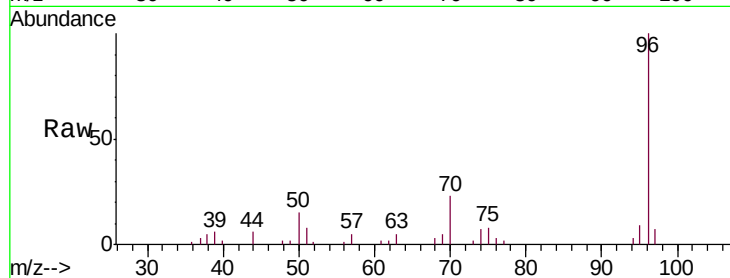
Ion Ratio Lower Upper

96 100

70 21.7 16.3 24.5

95 8.5 6.8 10.2

97 5.7 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.477 ug/l

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039720.D

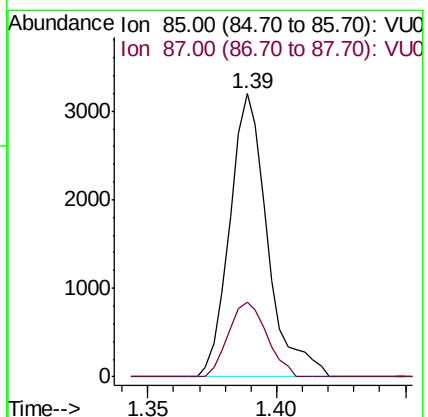
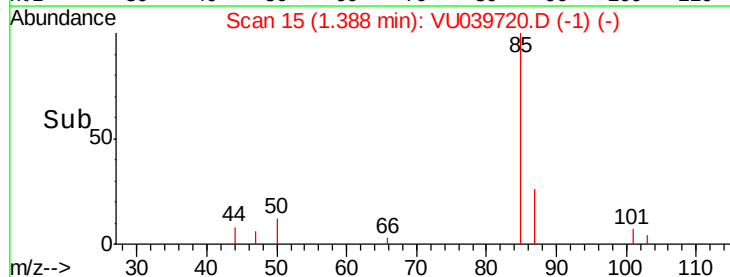
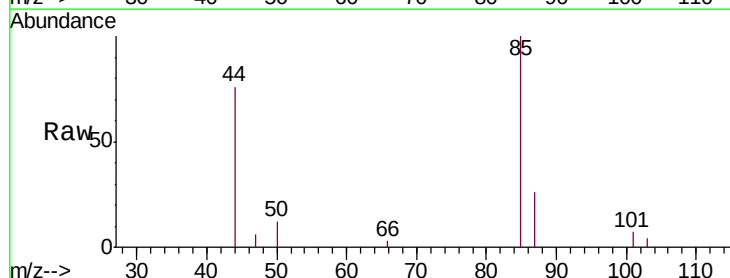
Acq: 30 Jul 2020 13:26

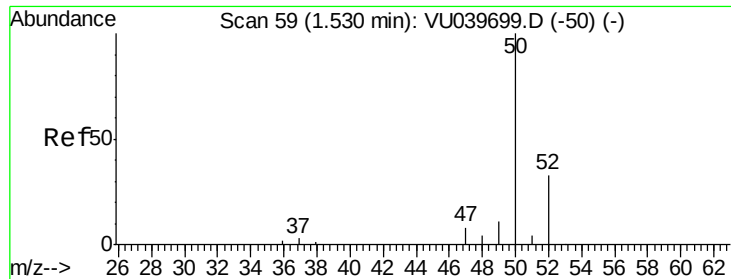
Tgt Ion: 85 Resp: 3252

Ion Ratio Lower Upper

85 100

87 26.4 16.2 48.6

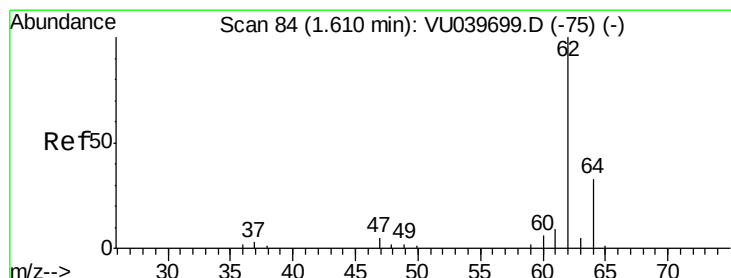
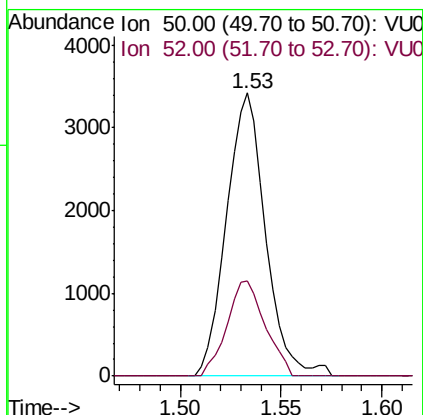
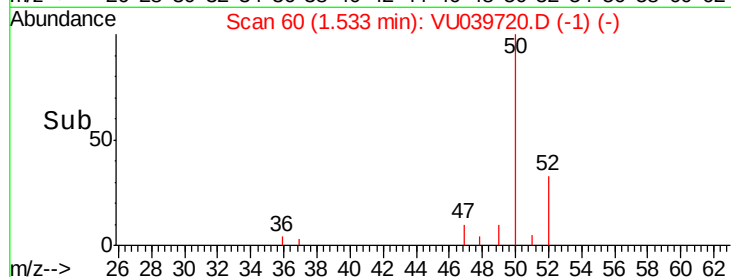
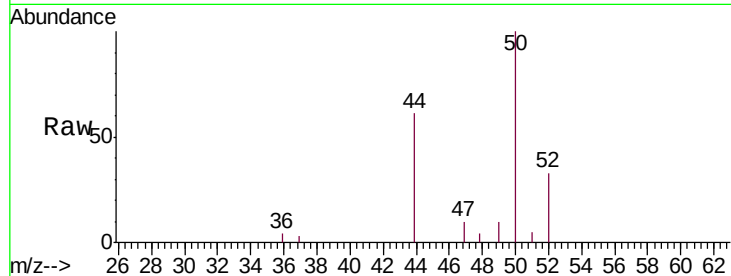




#3
 Chloromethane
 Concen: 0.548 ug/l
 RT: 1.53 min Scan# 60
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

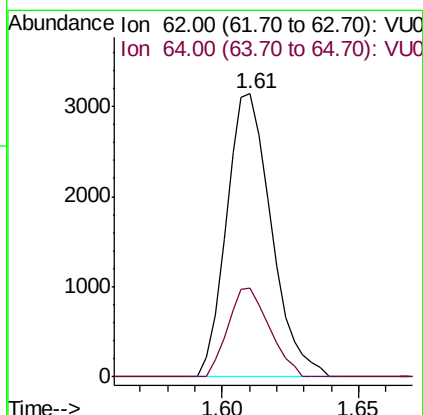
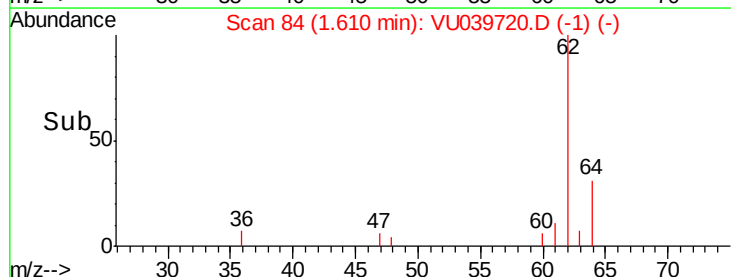
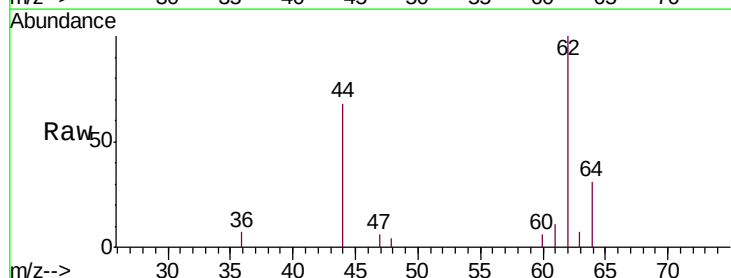
Instrument :
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 ClientSampleId :
 LOQ-WATER-02-QT3-2020

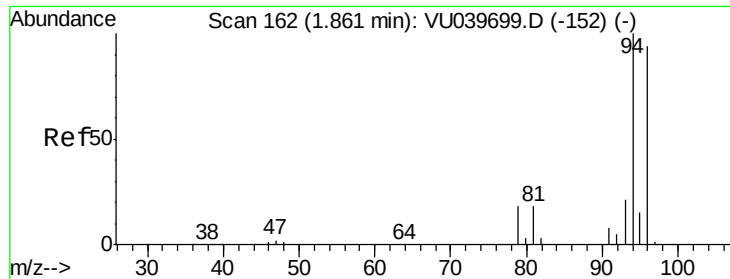
Tgt Ion: 50 Resp: 4640
 Ion Ratio Lower Upper
 50 100
 52 33.4 26.0 39.0



#4
 Vinyl Chloride
 Concen: 0.460 ug/l
 RT: 1.61 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Tgt Ion: 62 Resp: 3588
 Ion Ratio Lower Upper
 62 100
 64 31.2 26.0 39.0

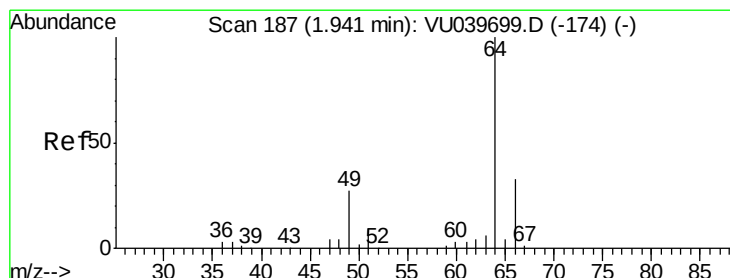
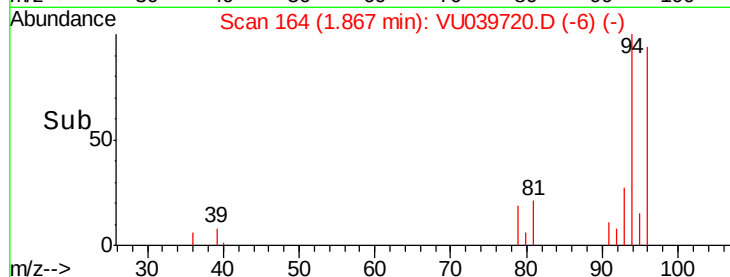
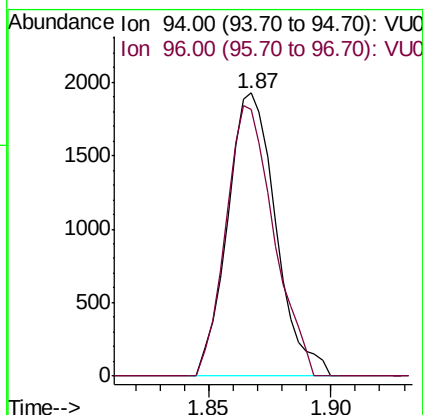
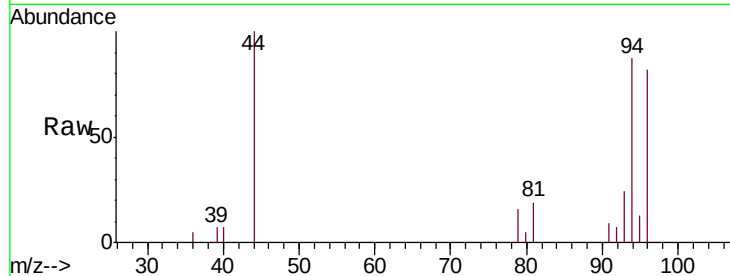




#5
Bromomethane
Concen: 0.495 ug/l
RT: 1.87 min Scan# 164
Delta R.T. 0.01 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

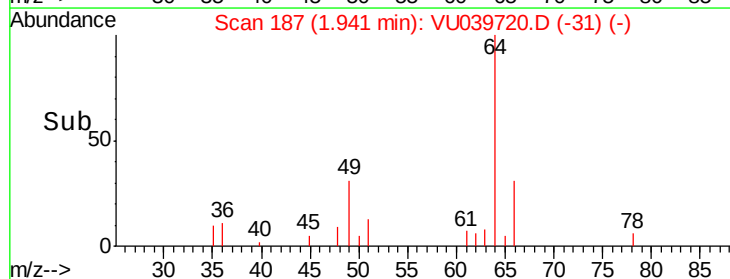
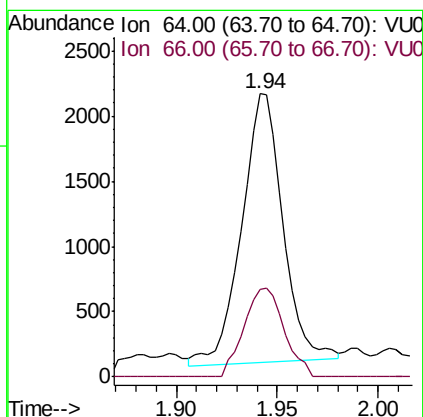
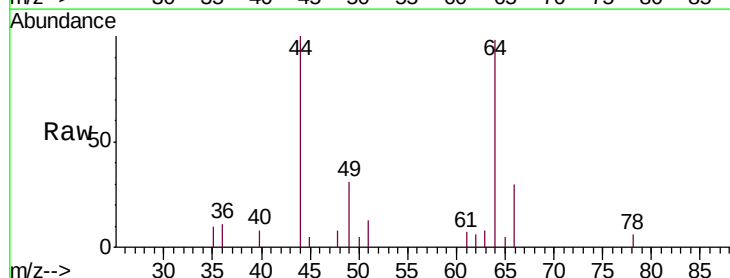
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2020

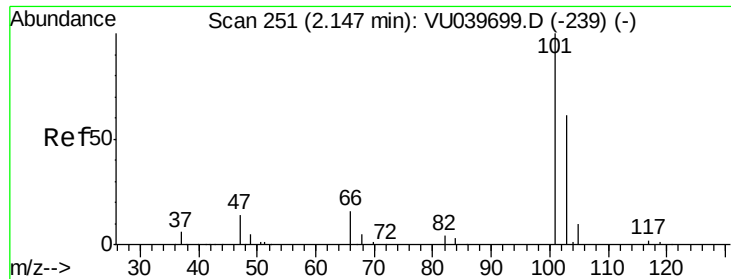
Tgt Ion: 94 Resp: 2640
Ion Ratio Lower Upper
94 100
96 94.4 75.0 112.6



#6
Chloroethane
Concen: 0.546 ug/l
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

Tgt Ion: 64 Resp: 2956
Ion Ratio Lower Upper
64 100
66 33.2 26.2 39.2



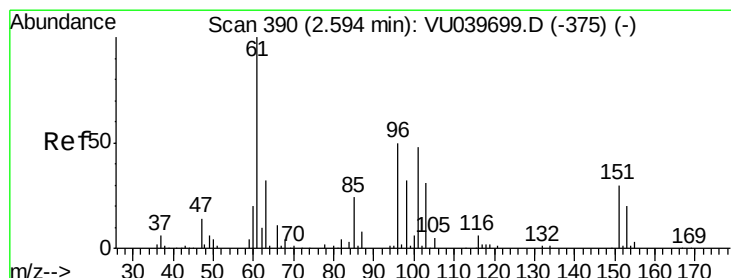
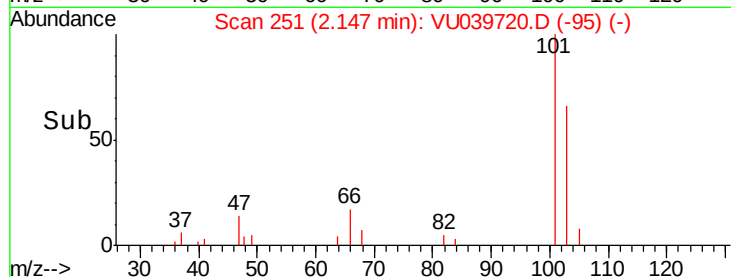
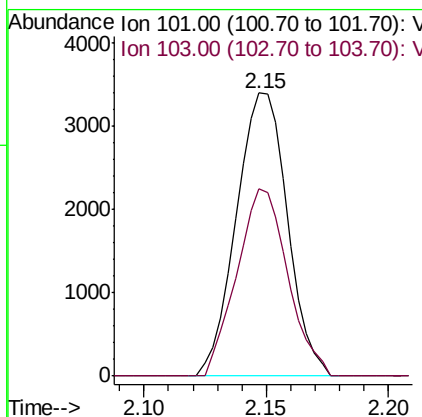
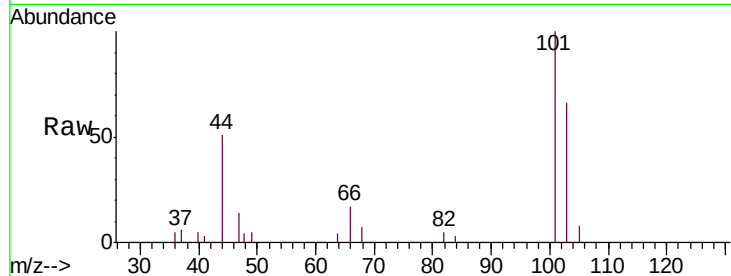


#7

Trichlorofluoromethane
Concen: 0.479 ug/l
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

Instrument :
MSVOA_U
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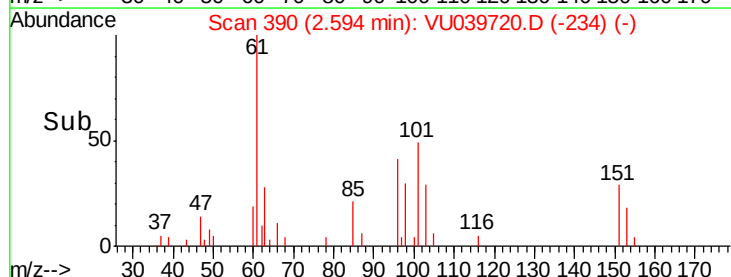
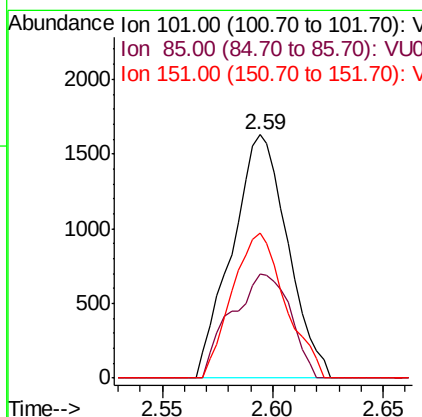
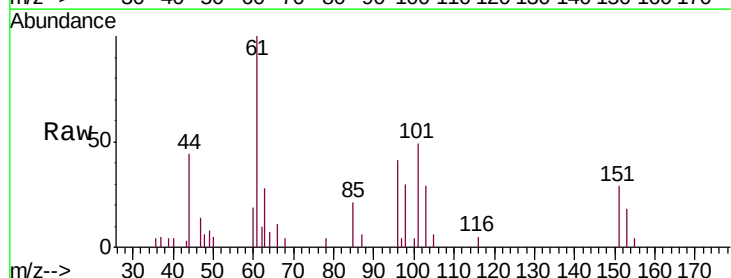
Tgt Ion:101 Resp: 4936
Ion Ratio Lower Upper
101 100
103 66.1 48.8 73.2

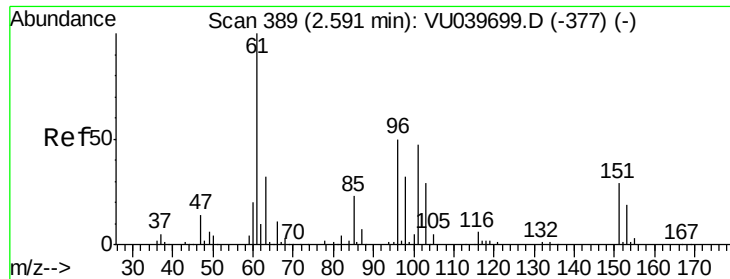


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.482 ug/l
RT: 2.59 min Scan# 390
Delta R.T. 0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

Tgt Ion:101 Resp: 2854
Ion Ratio Lower Upper
101 100
85 45.2 39.9 59.9
151 56.9 51.0 76.4





#9

1,1-Dichloroethene

Concen: 0.430 ug/l

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2020

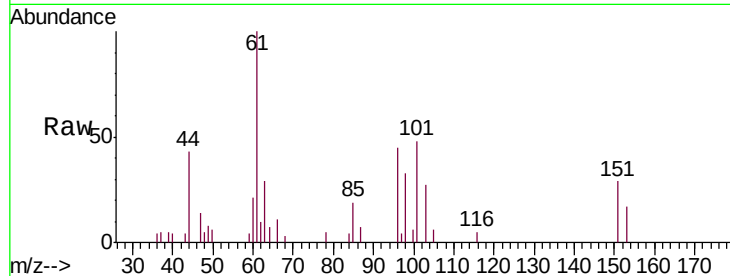
Tgt Ion: 96 Resp: 2340

Ion Ratio Lower Upper

96 100

61 222.9 0.0 604.5

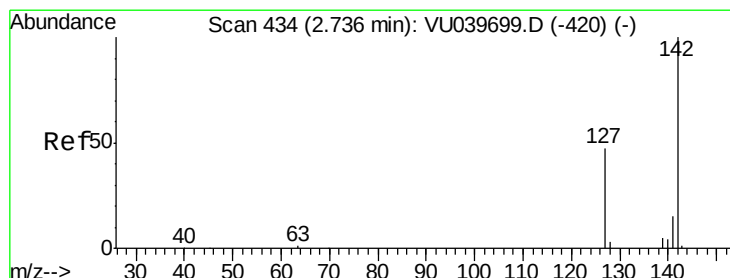
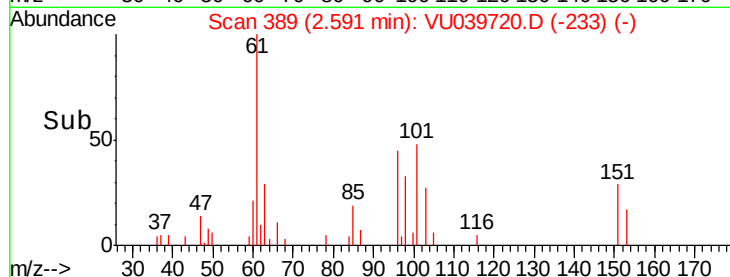
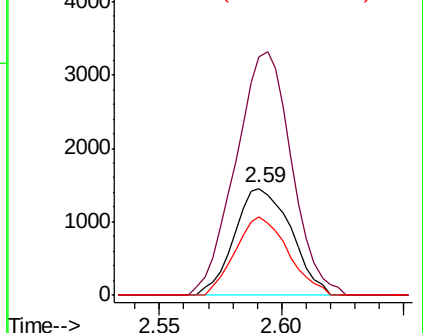
98 73.6 0.0 127.2



Abundance Ion 96.00 (95.70 to 96.70): VU039720.D (-233) (-)

Ion 61.00 (60.70 to 61.70): VU039720.D (-233) (-)

Ion 98.00 (97.70 to 98.70): VU039720.D (-233) (-)



#10

Iodomethane

Concen: 0.549 ug/l

RT: 2.74 min Scan# 434

Delta R.T. 0.00 min

Lab File: VU039720.D

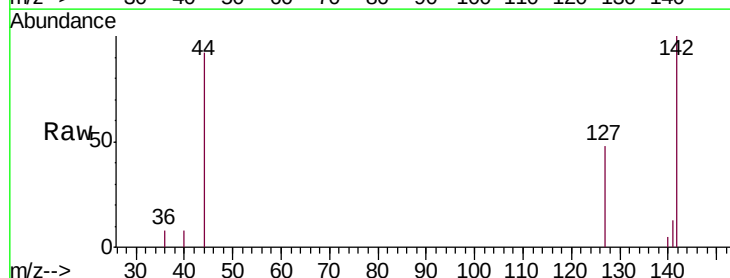
Acq: 30 Jul 2020 13:26

Tgt Ion: 142 Resp: 3018

Ion Ratio Lower Upper

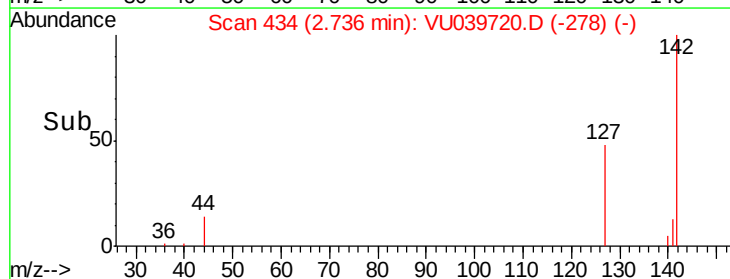
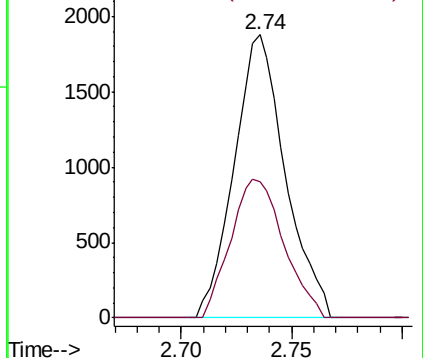
142 100

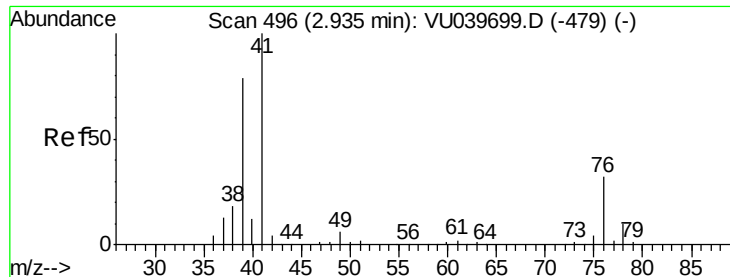
127 50.9 38.4 57.6



Abundance Ion 142.00 (141.70 to 142.70): VU039720.D (-278) (-)

Ion 127.00 (126.70 to 127.70): VU039720.D (-278) (-)

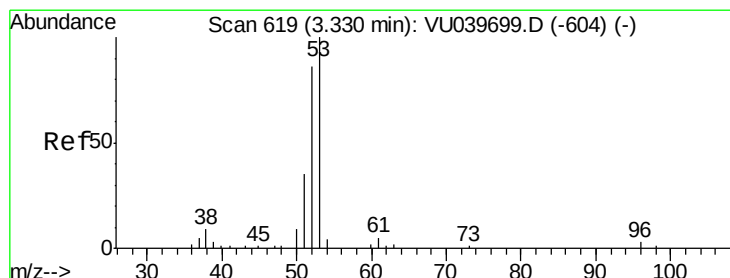
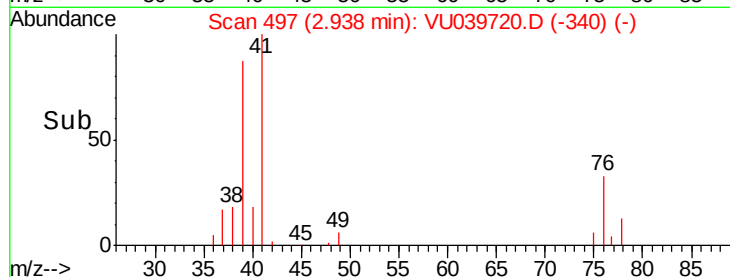
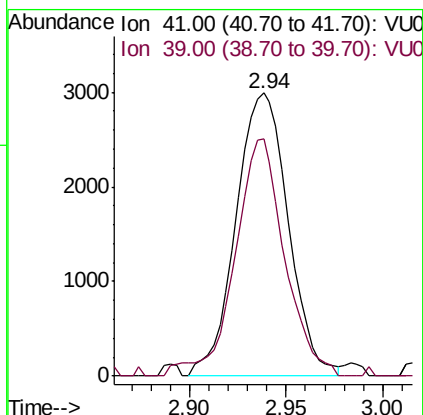
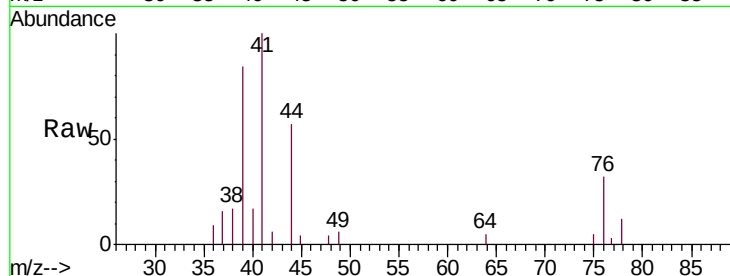




#11
 Allyl Chloride
 Concen: 0.479 ug/l
 RT: 2.94 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

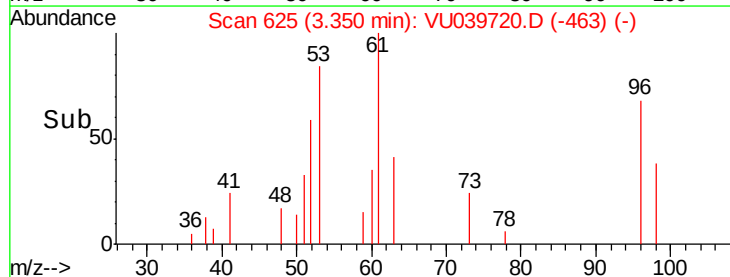
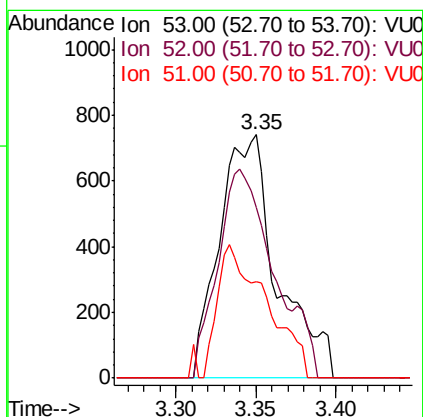
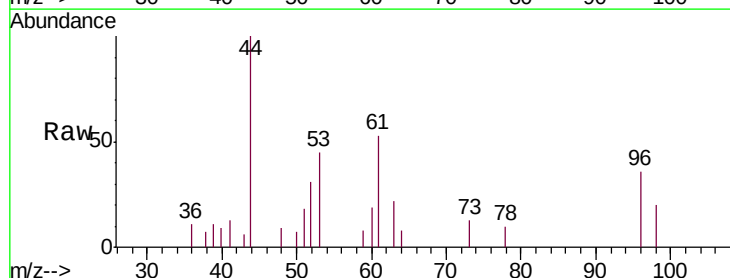
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

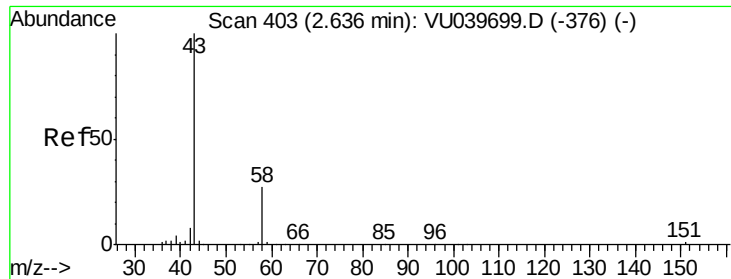
Tgt Ion: 41 Resp: 5627
 Ion Ratio Lower Upper
 41 100
 39 79.8 64.2 96.2



#12
 Acrylonitrile
 Concen: 0.959 ug/l
 RT: 3.35 min Scan# 625
 Delta R.T. 0.02 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Tgt Ion: 53 Resp: 1833
 Ion Ratio Lower Upper
 53 100
 52 83.8 69.1 103.7
 51 46.8 29.4 44.2#





#13

Acetone

Concen: 3.036 ug/l

RT: 2.66 min Scan# 409

Delta R.T. 0.02 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

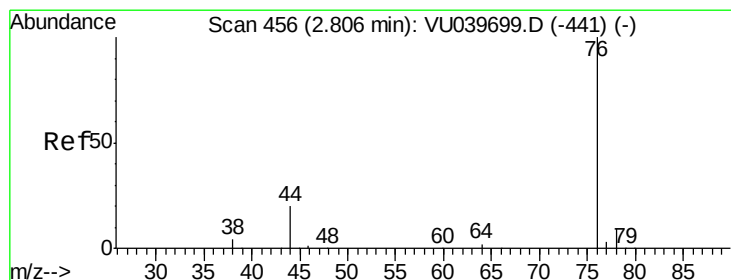
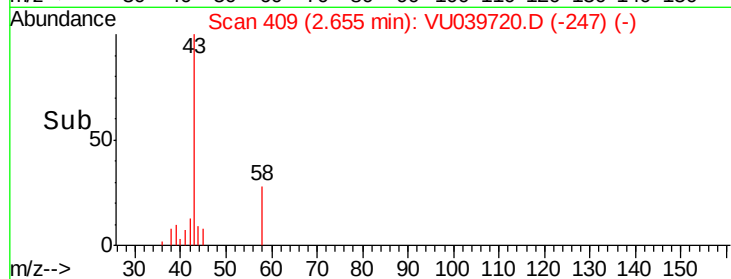
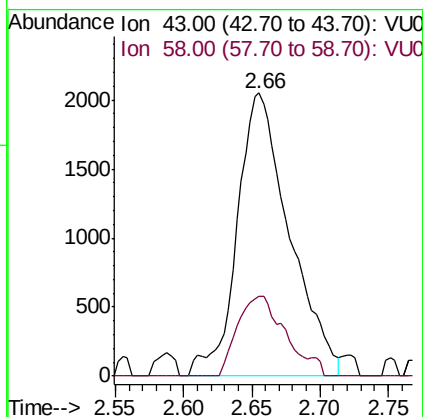
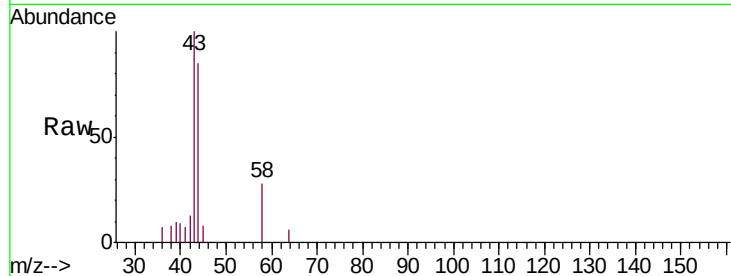
LOQ-WATER-02-QT3-2020

Tgt Ion: 43 Resp: 5461

Ion Ratio Lower Upper

43 100

58 28.2 21.8 32.6



#14

Carbon Disulfide

Concen: 0.454 ug/l

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039720.D

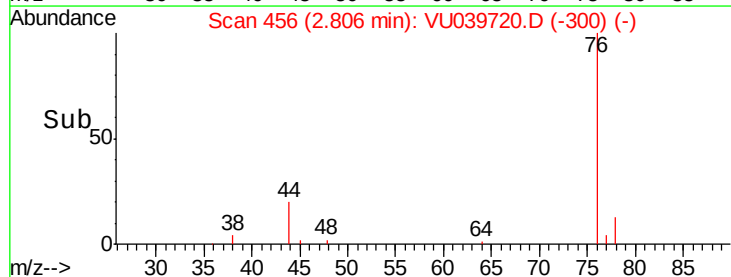
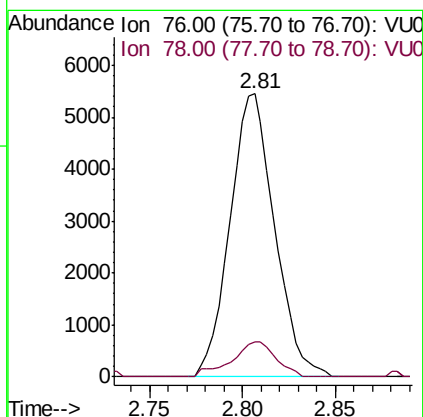
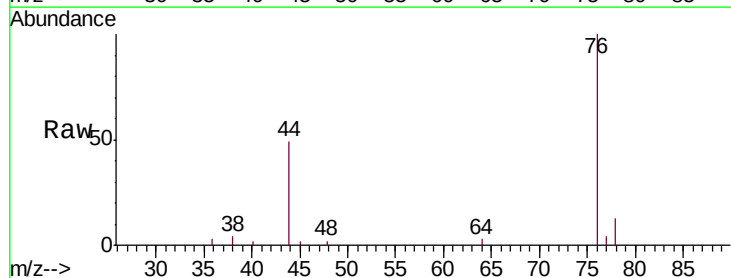
Acq: 30 Jul 2020 13:26

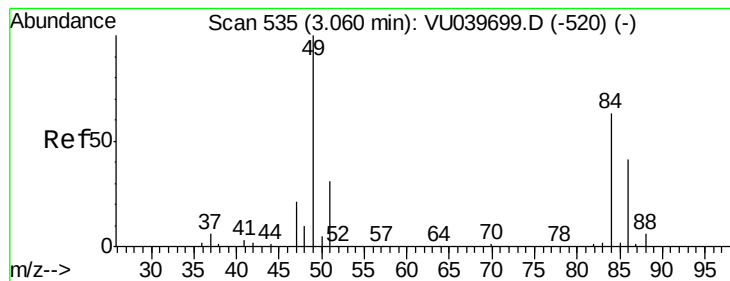
Tgt Ion: 76 Resp: 9077

Ion Ratio Lower Upper

76 100

78 12.5 7.0 10.6#





#15

Methylene Chloride

Concen: 0.693 ug/l

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tgt Ion: 84 Resp: 5259

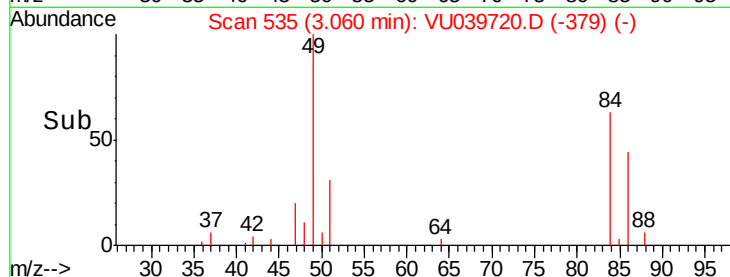
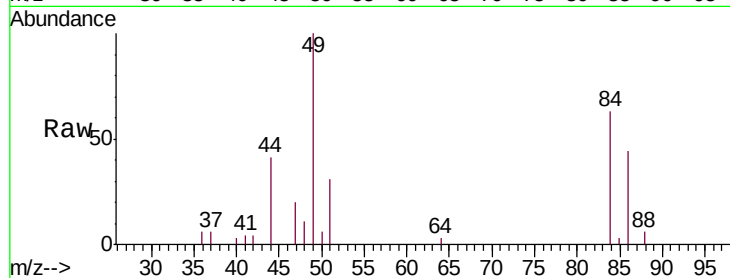
Ion Ratio Lower Upper

84 100

49 157.7 126.8 190.2

51 48.7 0.0 97.2

86 69.8 51.4 77.2

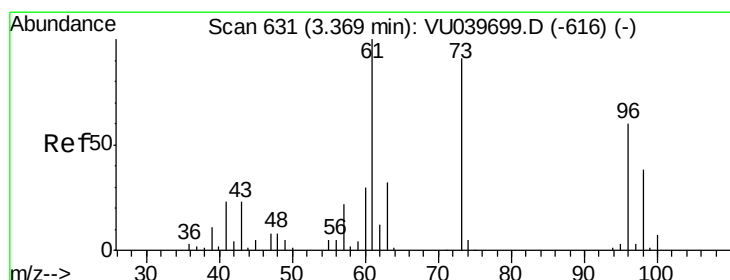
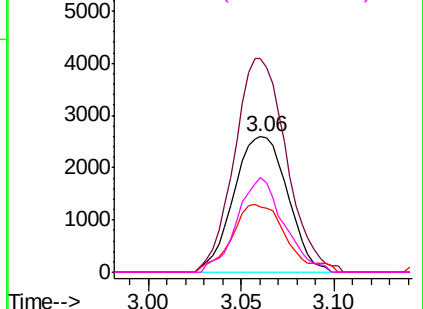


Abundance Ion 84.00 (83.70 to 84.70): VU039720.D (-379) (-)

Ion 49.00 (48.70 to 49.70): VU039720.D (-379) (-)

Ion 51.00 (50.70 to 51.70): VU039720.D (-379) (-)

Ion 86.00 (85.70 to 86.70): VU039720.D (-379) (-)



#16

trans-1,2-Dichloroethene

Concen: 0.492 ug/l

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

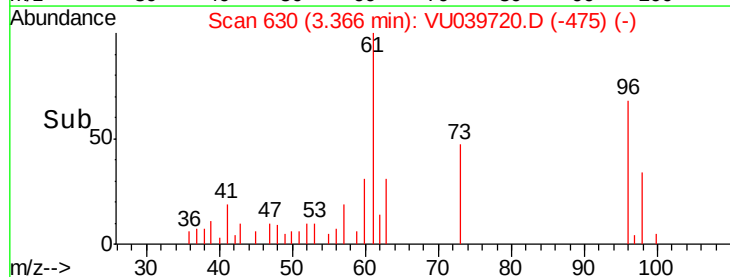
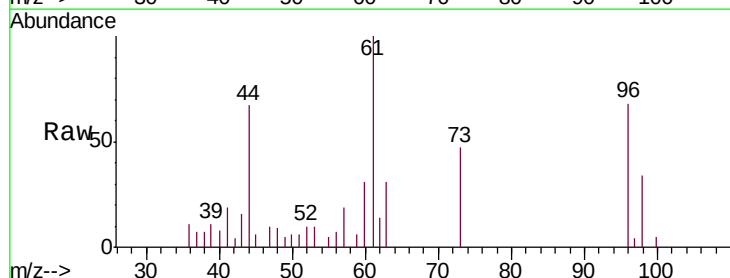
Tgt Ion: 96 Resp: 3049

Ion Ratio Lower Upper

96 100

61 146.5 132.6 199.0

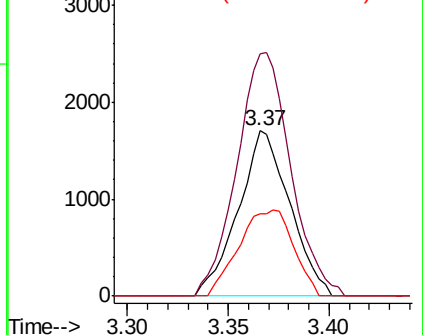
98 50.0 50.2 75.2#

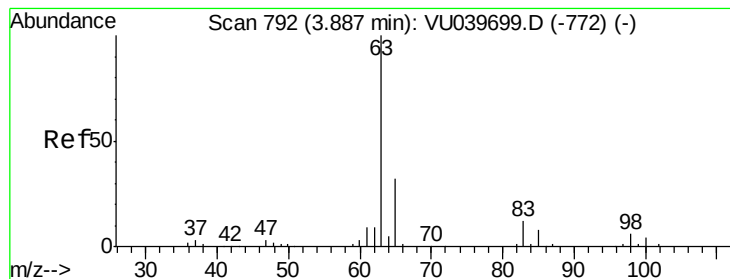


Abundance Ion 96.00 (95.70 to 96.70): VU039720.D (-475) (-)

Ion 61.00 (60.70 to 61.70): VU039720.D (-475) (-)

Ion 98.00 (97.70 to 98.70): VU039720.D (-475) (-)





#17

1,1-Dichloroethane

Concen: 0.473 ug/l

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2020

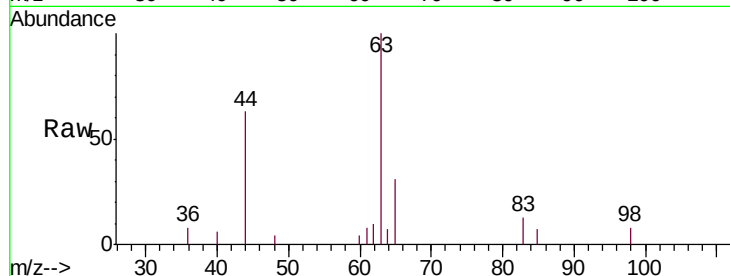
Tgt Ion: 63 Resp: 6430

Ion Ratio Lower Upper

63 100

98 8.0 2.9 8.7

100 0.0 2.0 6.0#

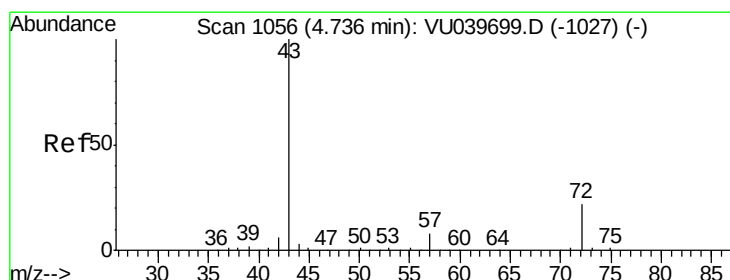
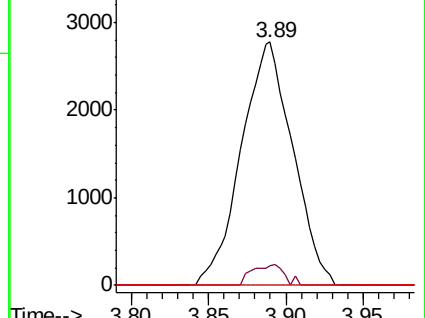
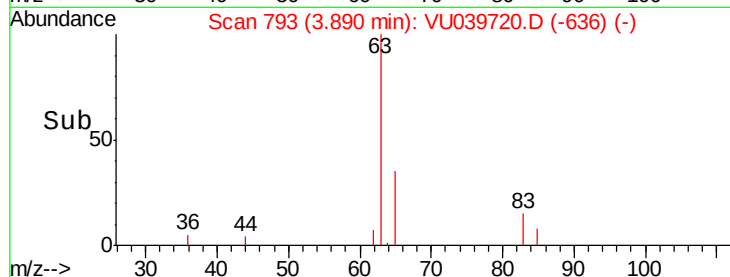


Abundance Ion 63.00 (62.70 to 63.70): VU039720.D (-636) (-)

Ion 98.00 (97.70 to 98.70): VU039720.D (-900) (-)

Ion 100.00 (99.70 to 100.70): VU039720.D (-900) (-)

Time-->



#18

2-Butanone

Concen: 2.943 ug/l

RT: 4.75 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VU039720.D

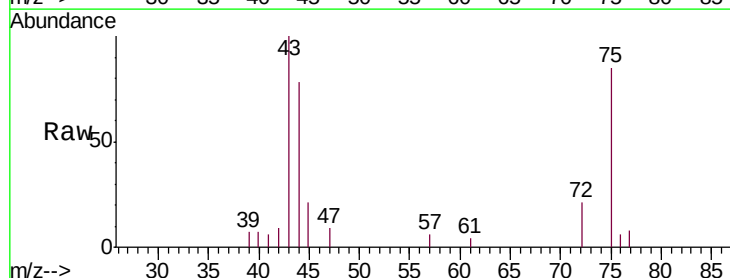
Acq: 30 Jul 2020 13:26

Tgt Ion: 43 Resp: 8902

Ion Ratio Lower Upper

43 100

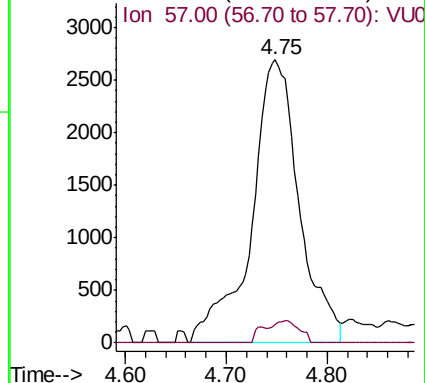
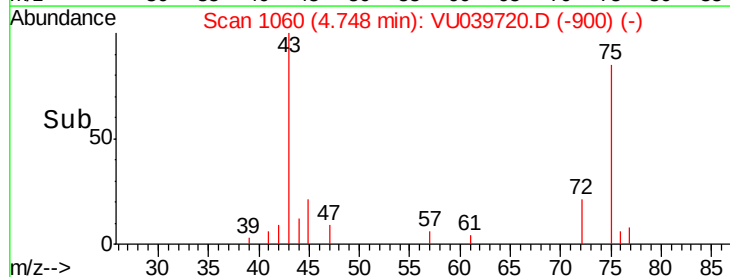
57 6.5 0.0 15.2

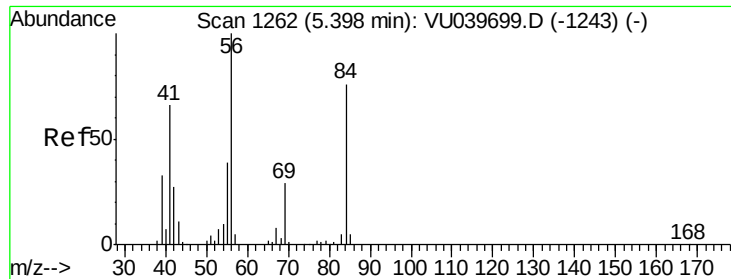


Abundance Ion 43.00 (42.70 to 43.70): VU039720.D (-900) (-)

Ion 57.00 (56.70 to 57.70): VU039720.D (-900) (-)

Time-->

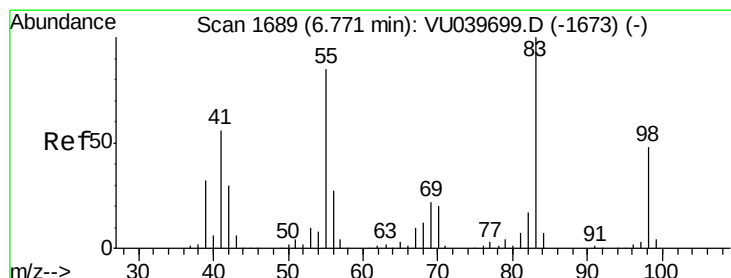
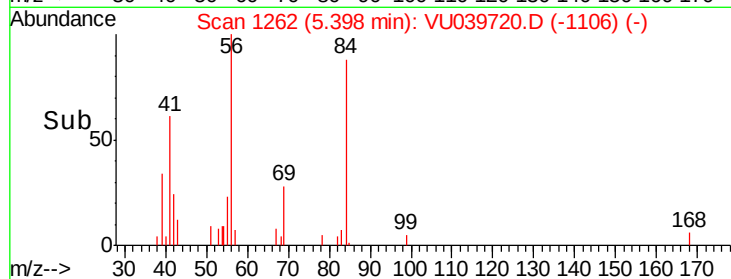
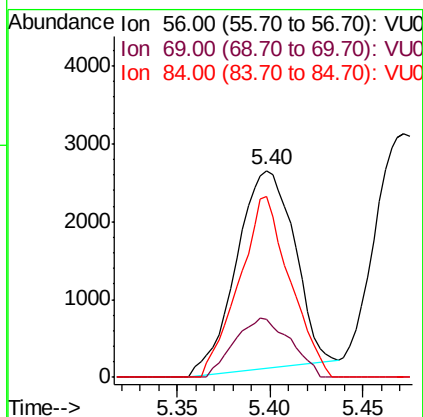
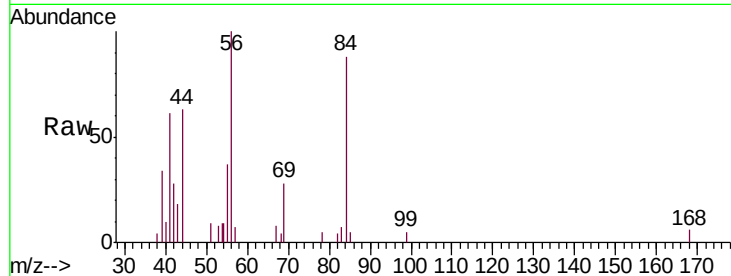




#19
Cyclohexane
Concen: 0.421 ug/l
RT: 5.40 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

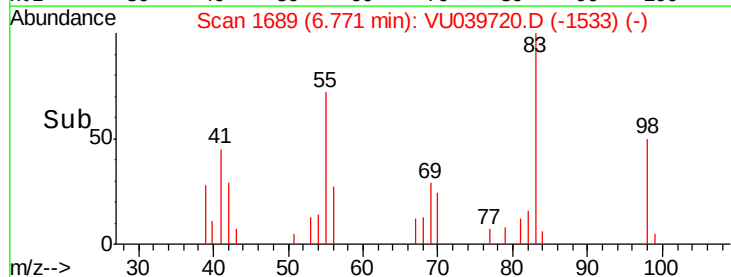
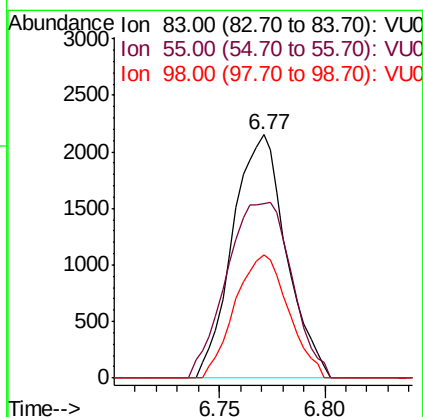
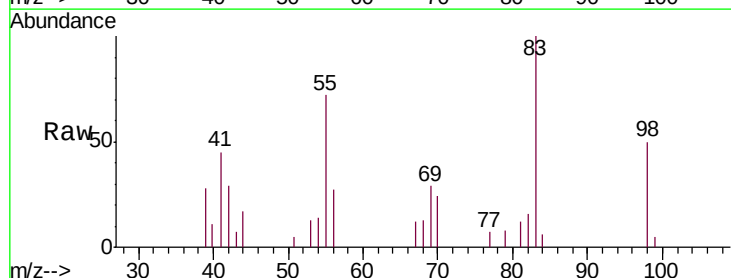
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2020

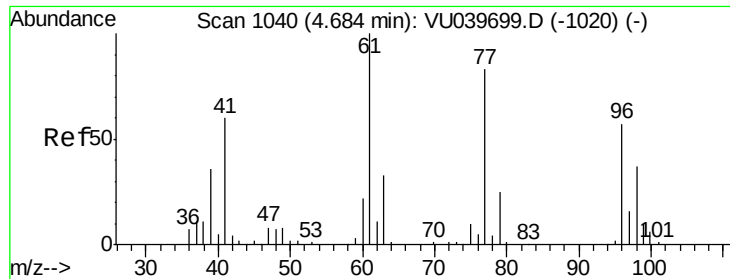
Tgt Ion: 56 Resp: 5545
Ion Ratio Lower Upper
56 100
69 28.7 22.8 34.2
84 79.9 59.9 89.9



#20
Methylcyclohexane
Concen: 0.389 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

Tgt Ion: 83 Resp: 3793
Ion Ratio Lower Upper
83 100
55 87.8 67.6 101.4
98 50.3 37.3 55.9

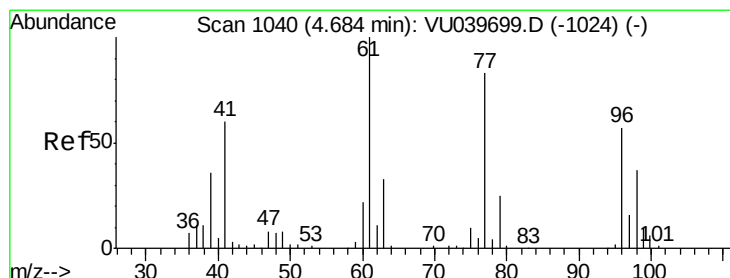
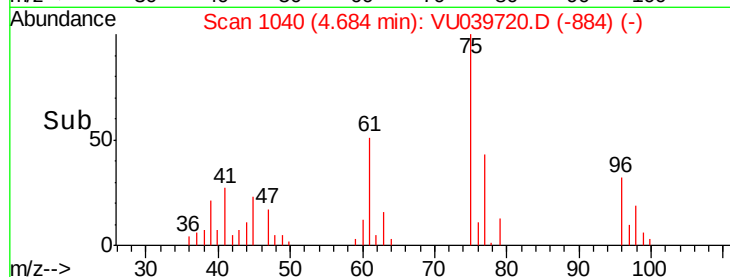
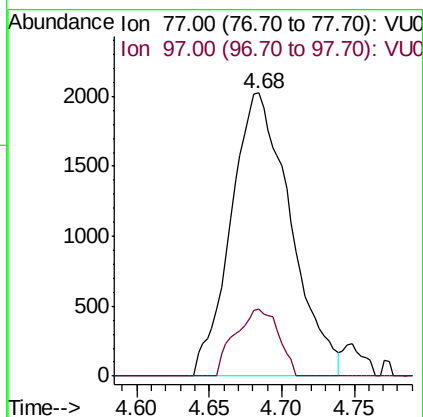
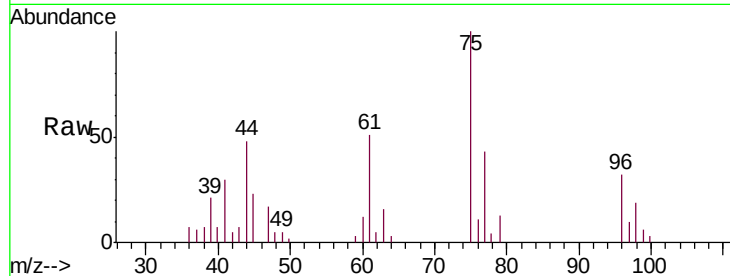




#21
 2,2-Dichloropropane
 Concen: 0.520 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

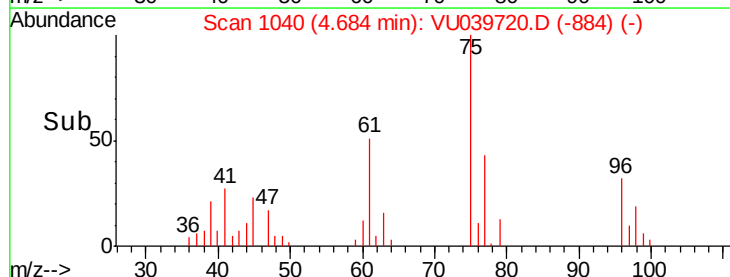
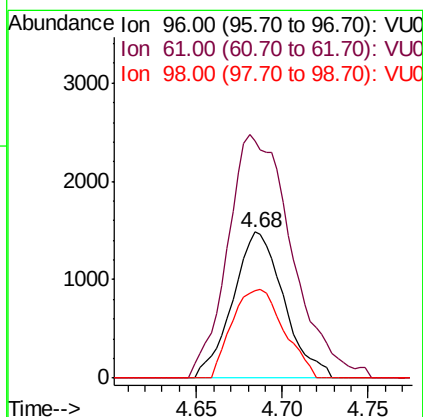
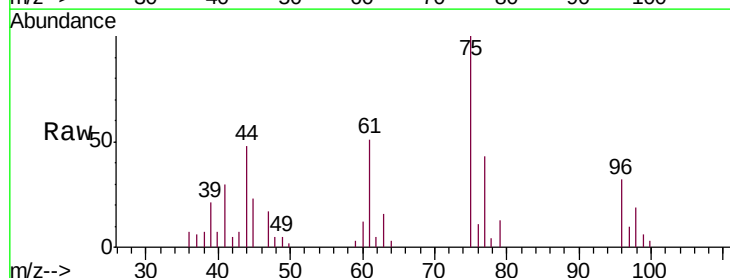
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

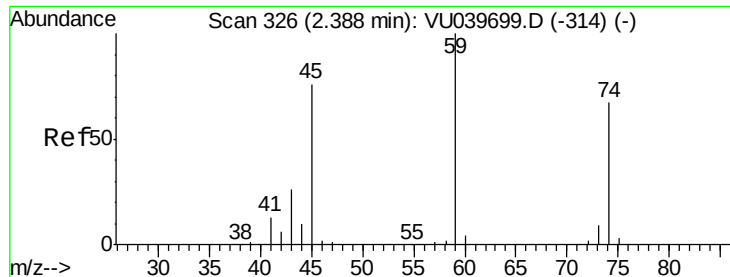
Tgt Ion: 77 Resp: 5770
 Ion Ratio Lower Upper
 77 100
 97 17.3 15.2 22.8



#22
 cis-1,2-Dichloroethene
 Concen: 0.459 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Tgt Ion: 96 Resp: 3064
 Ion Ratio Lower Upper
 96 100
 61 209.9 0.0 451.3
 98 61.6 32.6 98.0

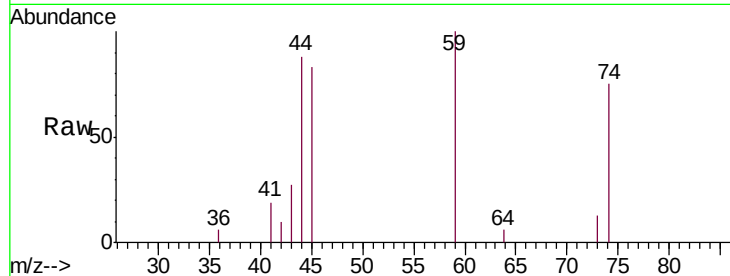




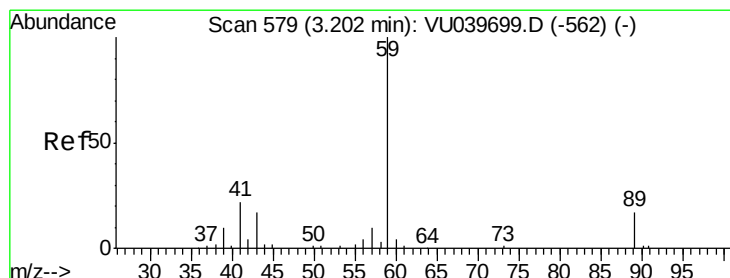
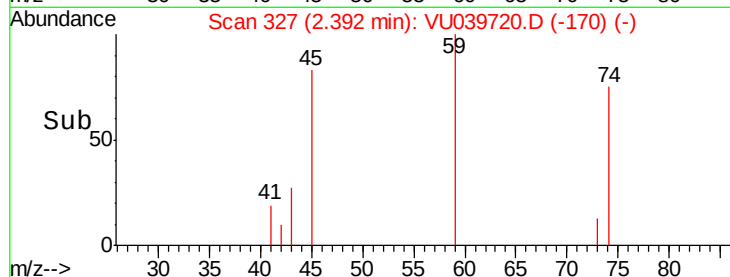
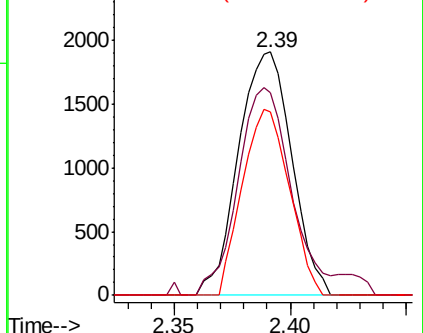
#23
Diethyl Ether
Concen: 0.549 ug/l
RT: 2.39 min Scan# 327
Delta R.T. 0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tgt Ion: 59 Resp: 3056
Ion Ratio Lower Upper
59 100
45 84.8 61.5 92.3
74 67.4 54.3 81.5

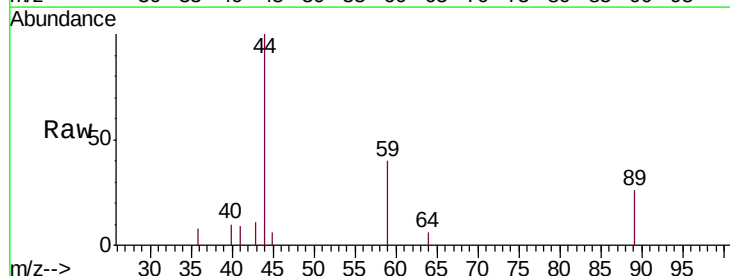


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

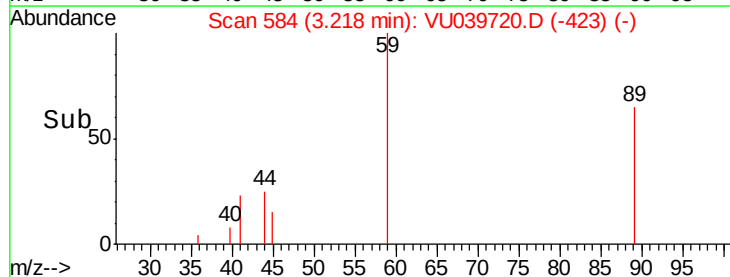
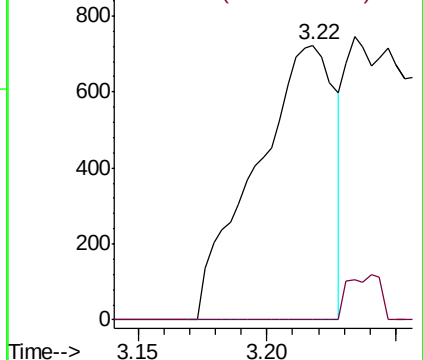


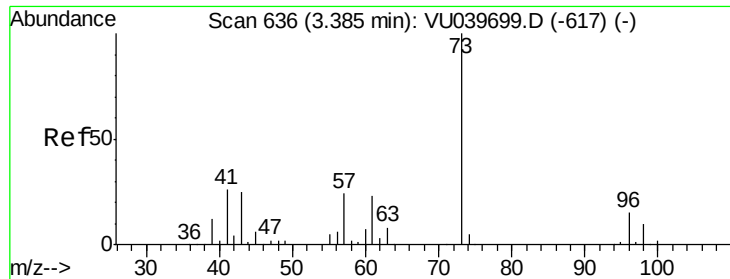
#24
tert-Butyl Alcohol
Concen: Below Cal
RT: 3.22 min Scan# 584
Delta R.T. 0.02 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

Tgt Ion: 59 Resp: 1542
Ion Ratio Lower Upper
59 100
57 6.8 7.8 11.6#



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





#25

Methyl tert-Butyl Ether

Concen: 0.443 ug/l

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

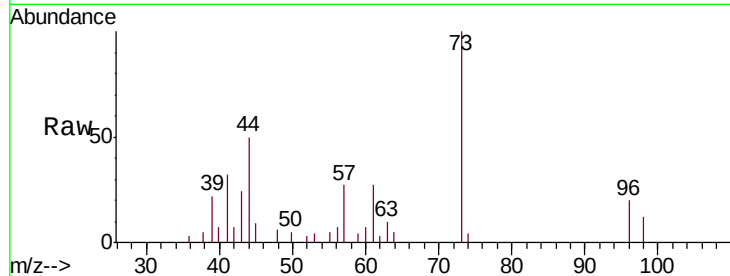
LOQ-WATER-02-QT3-2020

Tgt Ion: 73 Resp: 7870

Ion Ratio Lower Upper

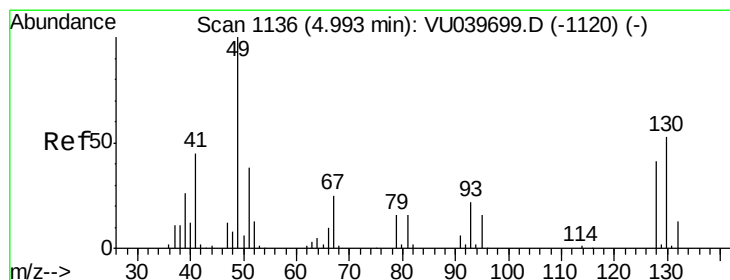
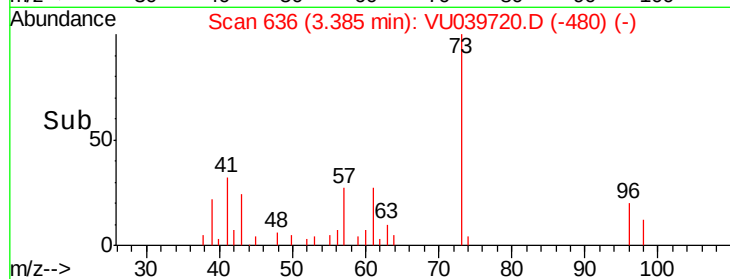
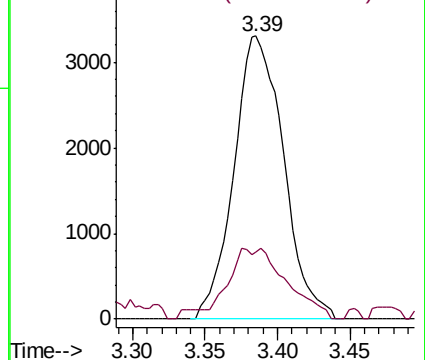
73 100

43 9.4 20.1 30.1#



Abundance Ion 73.00 (72.70 to 73.70): VU039699.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VU039699.D (-617) (-)



#26

Bromochloromethane

Concen: 0.448 ug/l

RT: 4.99 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

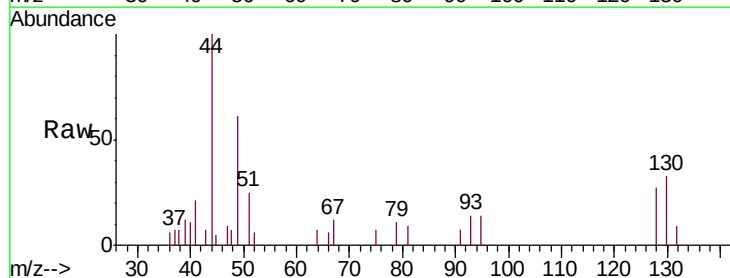
Tgt Ion: 128 Resp: 1223

Ion Ratio Lower Upper

128 100

49 249.1 0.0 503.8

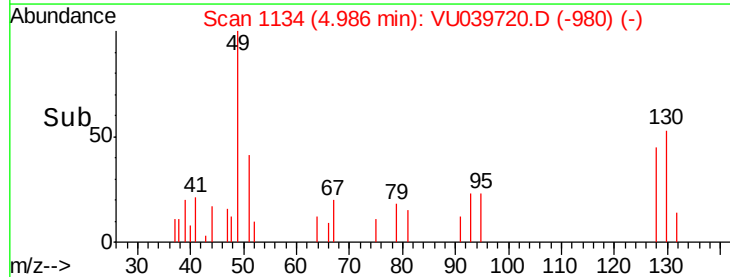
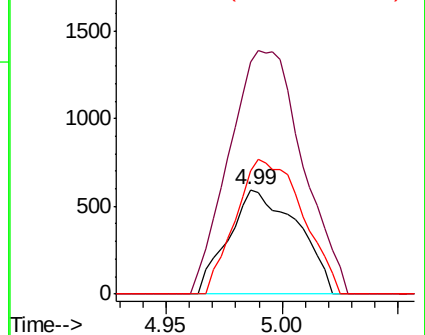
130 125.8 102.7 154.1

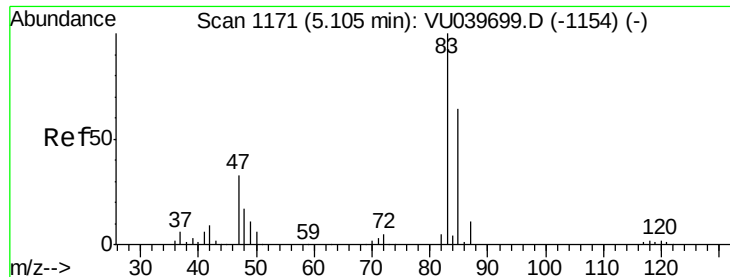


Abundance Ion 128.00 (127.70 to 128.70): VU039699.D (-1120) (-)

Ion 49.00 (48.70 to 49.70): VU039699.D (-1120) (-)

Ion 130.00 (129.70 to 130.70): VU039699.D (-1120) (-)

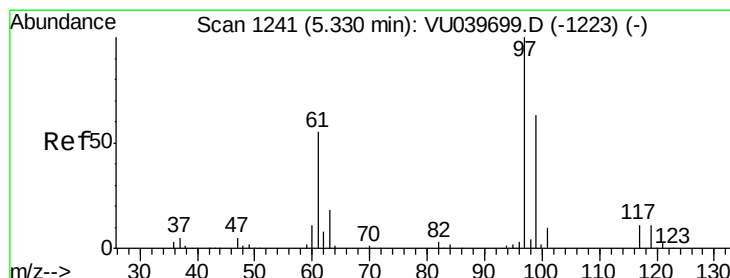
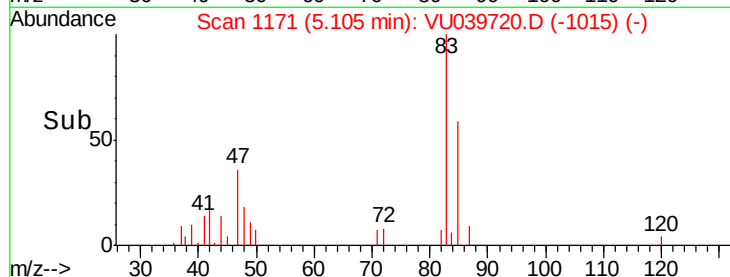
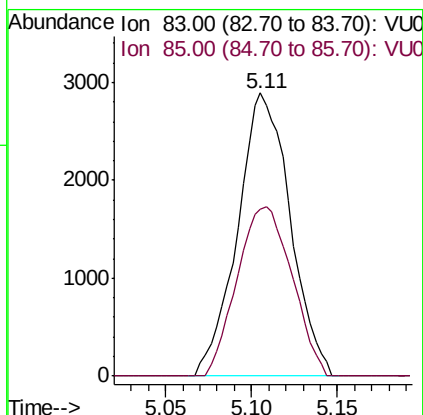
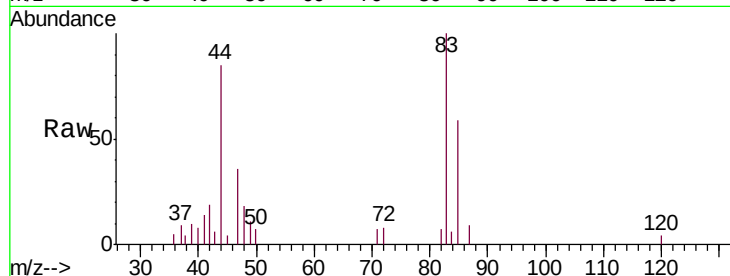




#27
Chloroform
Concen: 0.482 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

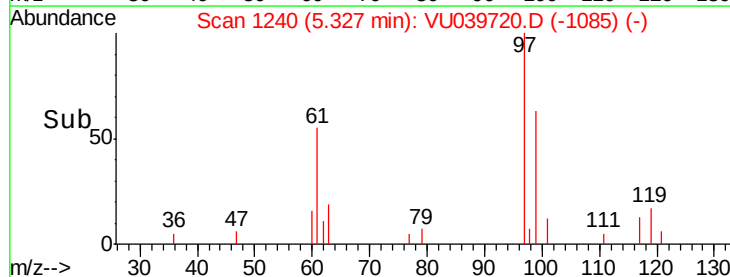
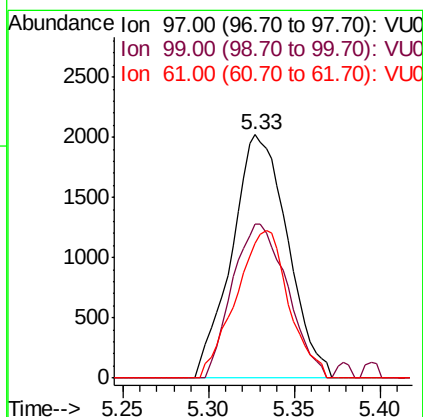
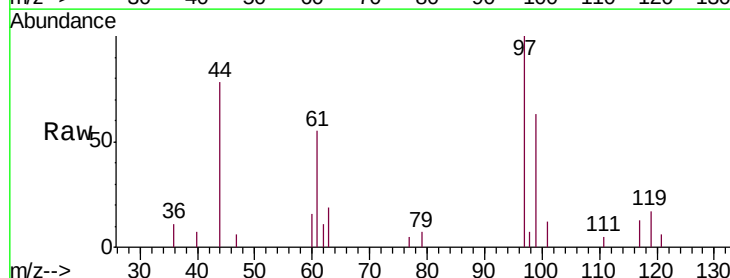
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2020

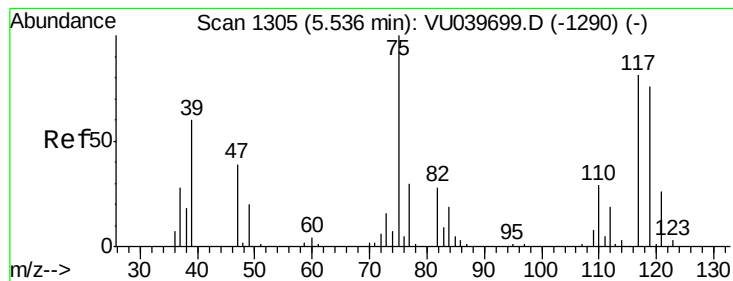
Tgt Ion: 83 Resp: 6129
Ion Ratio Lower Upper
83 100
85 59.0 0.0 128.8



#28
1,1,1-Trichloroethane
Concen: 0.442 ug/l
RT: 5.33 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

Tgt Ion: 97 Resp: 4549
Ion Ratio Lower Upper
97 100
99 62.7 32.2 96.6
61 57.2 28.3 85.0





#29

1,1-Dichloropropene

Concen: 0.437 ug/l

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2020

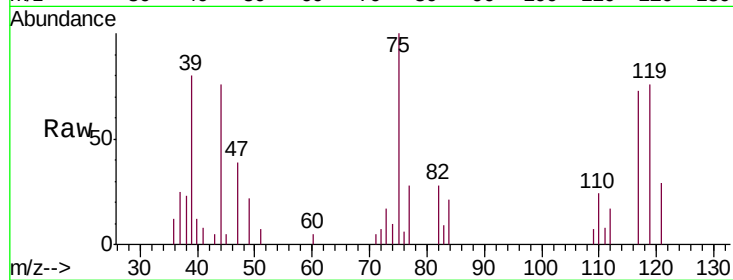
Tgt Ion: 75 Resp: 4335

Ion Ratio Lower Upper

75 100

110 29.6 14.6 44.0

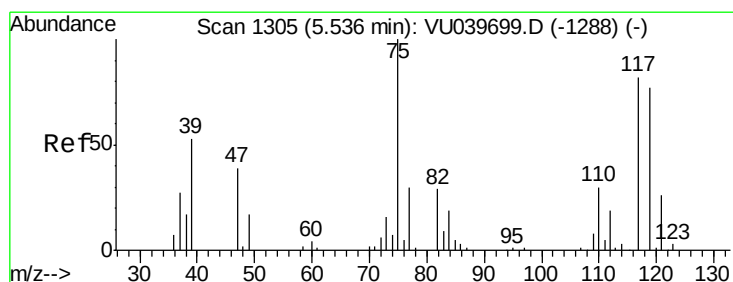
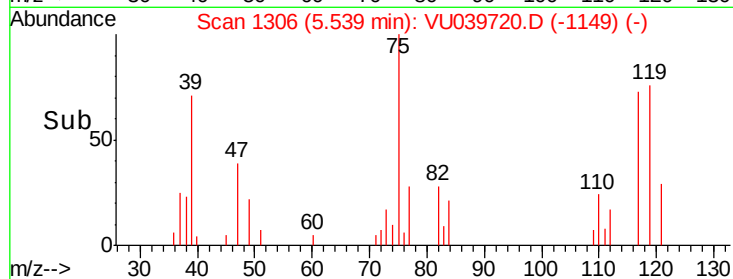
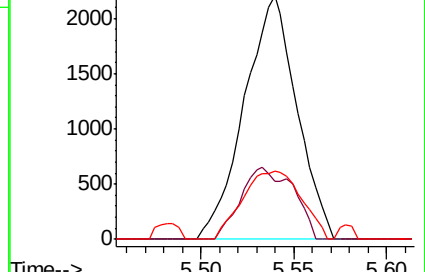
77 31.4 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VU039699.D (-1290) (-)

Ion 110.00 (109.70 to 110.70): VU039699.D (-1290) (-)

Ion 77.00 (76.70 to 77.70): VU039699.D (-1290) (-)



#30

Carbon Tetrachloride

Concen: 0.431 ug/l

RT: 5.53 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

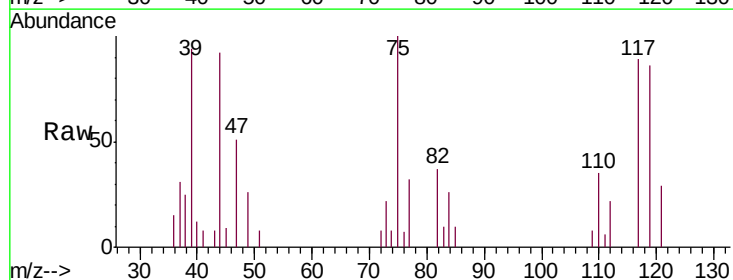
Tgt Ion: 117 Resp: 3629

Ion Ratio Lower Upper

117 100

119 97.2 75.2 112.8

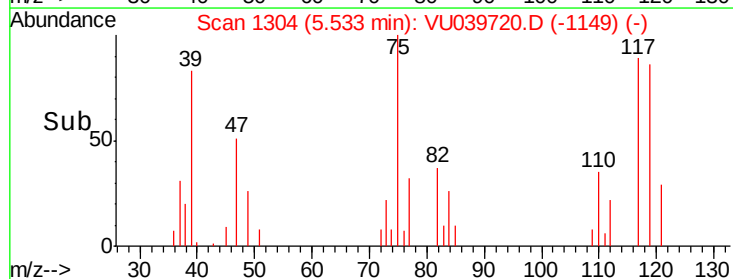
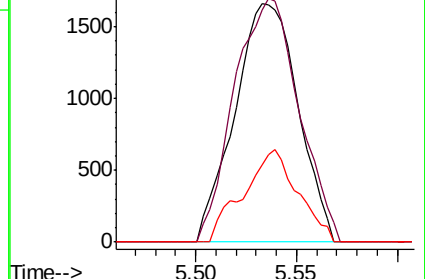
121 32.5 25.4 38.2

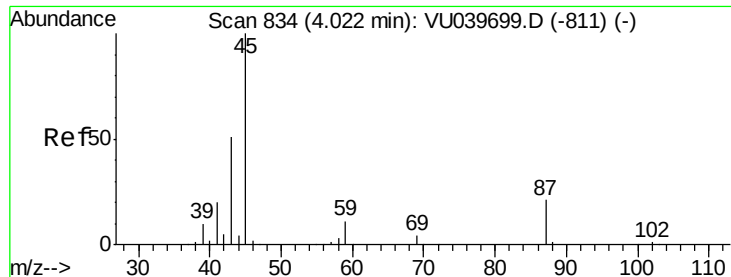


Abundance Ion 117.00 (116.70 to 117.70): VU039699.D (-1288) (-)

Ion 119.00 (118.70 to 119.70): VU039699.D (-1288) (-)

Ion 121.00 (120.70 to 121.70): VU039699.D (-1288) (-)





#31

Isopropyl Ether

Concen: 0.476 ug/l

RT: 4.02 min Scan# 835

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

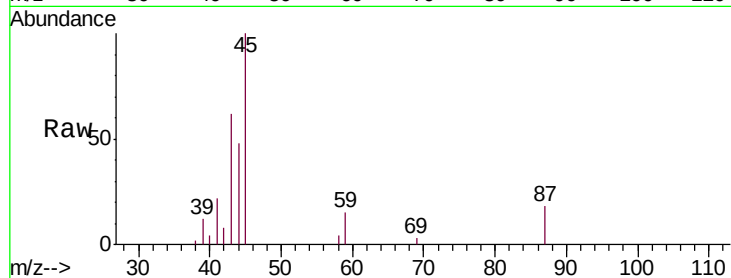
LOQ-WATER-02-QT3-2020

Tgt Ion: 45 Resp: 11811

Ion Ratio Lower Upper

45 100

43 57.6 26.5 79.4



Abundance Ion 45.00 (44.70 to 45.70): VU039699.D (-811) (-)

Ion 43.00 (42.70 to 43.70): VU039699.D (-811) (-)

4.02

4000

3000

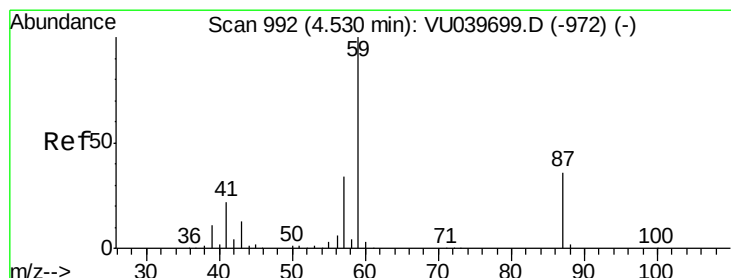
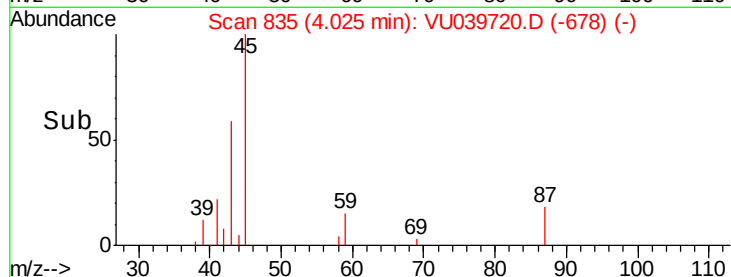
2000

1000

0

3.95 4.00 4.05 4.10

Time-->



#32

Ethyl-t-butyl ether

Concen: 0.446 ug/l

RT: 4.53 min Scan# 991

Delta R.T. -0.00 min

Lab File: VU039720.D

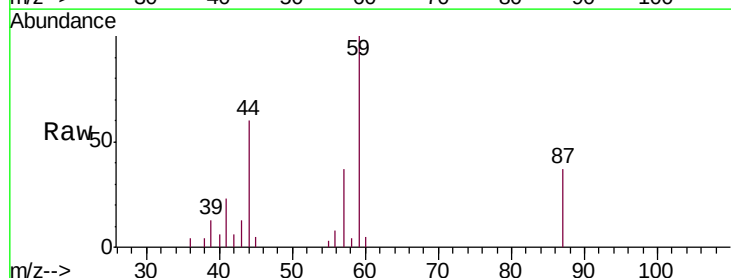
Acq: 30 Jul 2020 13:26

Tgt Ion: 59 Resp: 9414

Ion Ratio Lower Upper

59 100

87 37.8 29.4 44.0



Abundance Ion 59.00 (58.70 to 59.70): VU039699.D (-972) (-)

Ion 87.00 (86.70 to 87.70): VU039699.D (-972) (-)

4.53

4000

3000

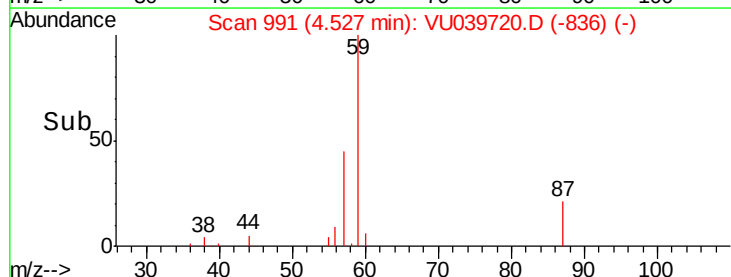
2000

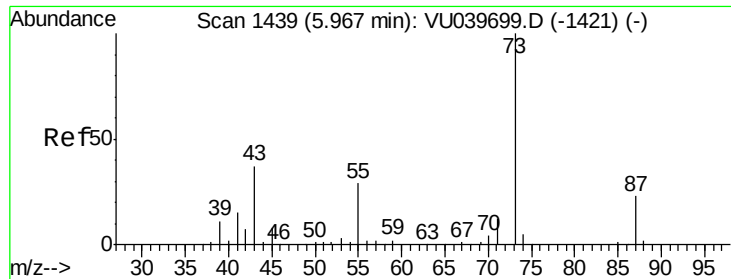
1000

0

4.45 4.50 4.55 4.60

Time-->

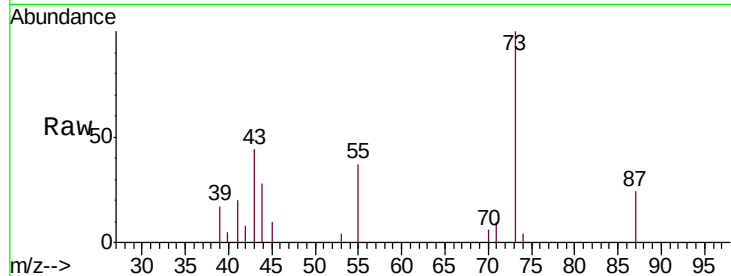




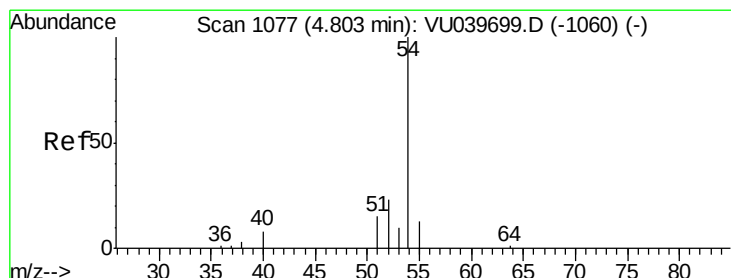
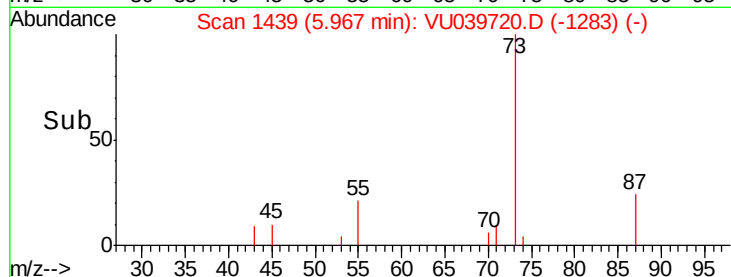
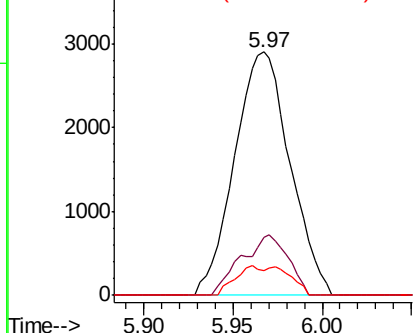
#33
 Tert-Amyl methyl ether
 Concen: 0.413 ug/l
 RT: 5.97 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tgt Ion: 73 Resp: 6277
 Ion Ratio Lower Upper
 73 100
 87 21.1 18.7 28.1
 71 6.1 9.1 13.7#

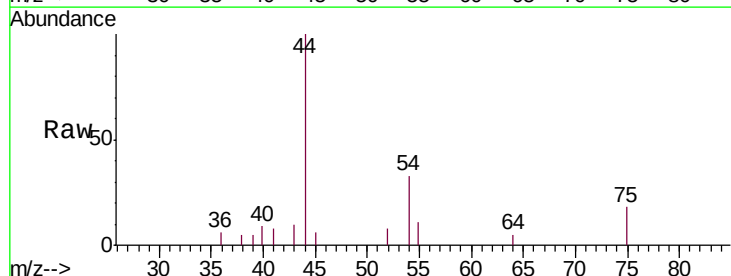


Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 87.00 (86.70 to 87.70): VU0
 Ion 71.00 (70.70 to 71.70): VU0

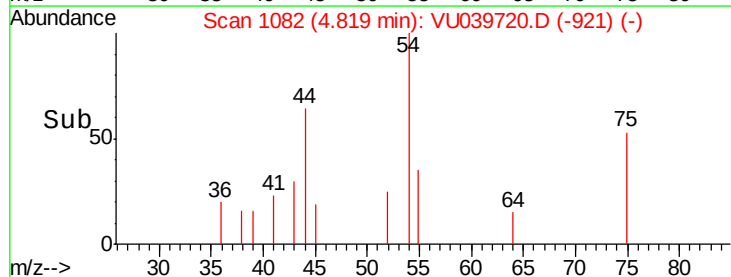
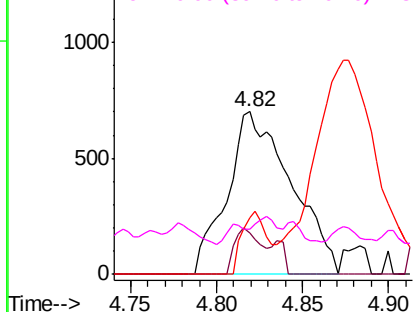


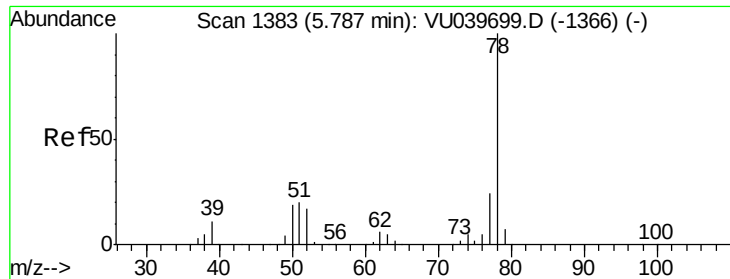
#34
 Propionitrile
 Concen: 2.432 ug/l
 RT: 4.82 min Scan# 1082
 Delta R.T. 0.02 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Tgt Ion: 54 Resp: 1815
 Ion Ratio Lower Upper
 54 100
 52 11.2 16.9 25.3#
 55 14.6 12.9 19.3
 40 3.2 6.2 9.2#



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: 0.520 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

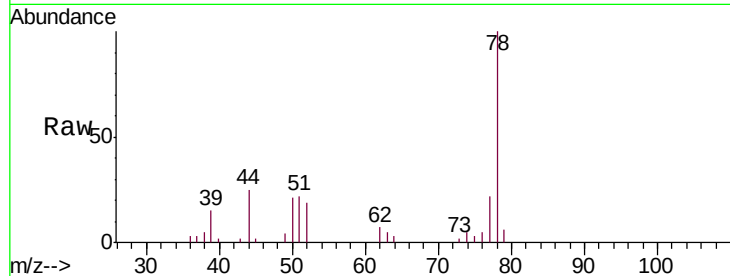
LOQ-WATER-02-QT3-2020

Tgt Ion: 78 Resp: 12742

Ion Ratio Lower Upper

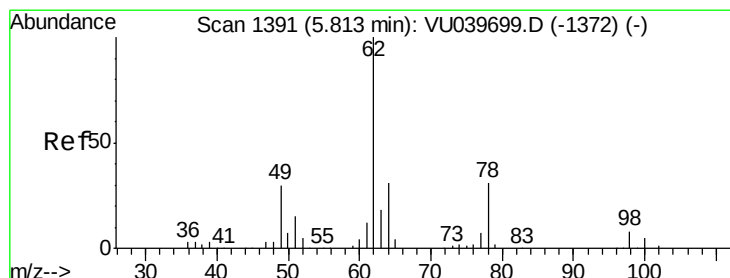
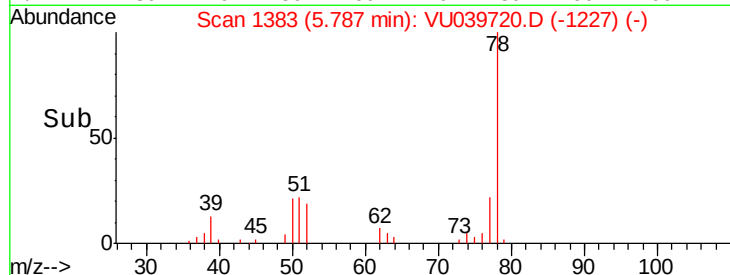
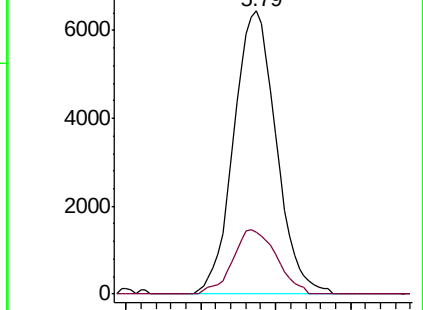
78 100

77 22.0 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 0.527 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU039720.D

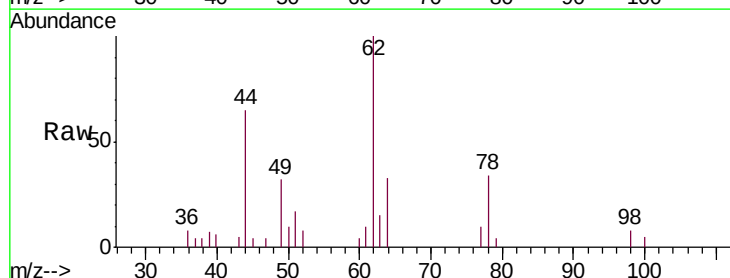
Acq: 30 Jul 2020 13:26

Tgt Ion: 62 Resp: 4847

Ion Ratio Lower Upper

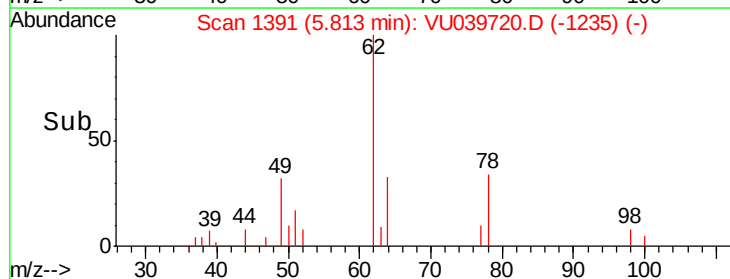
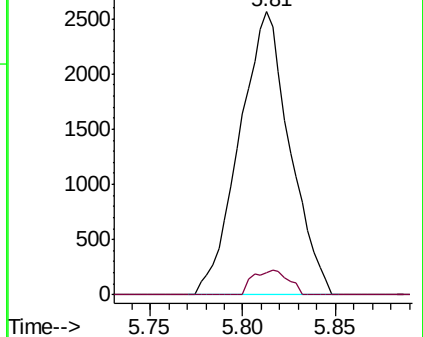
62 100

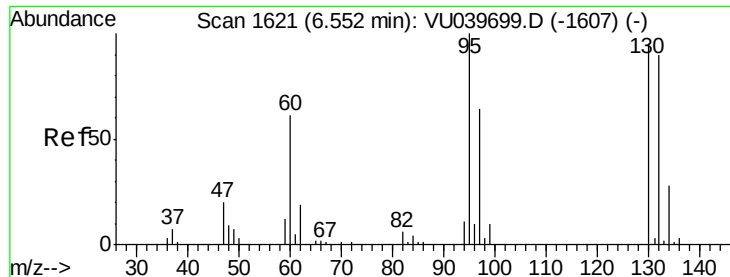
98 6.1 6.2 9.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

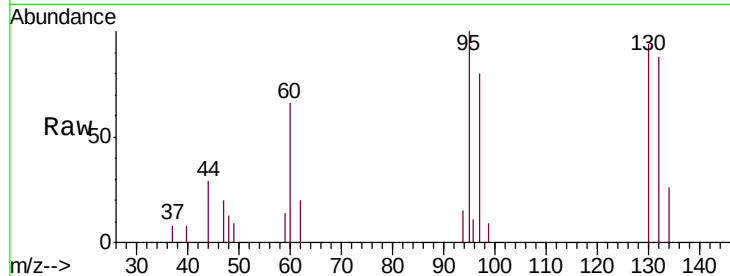




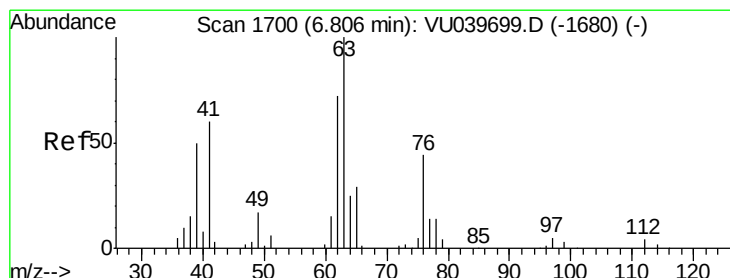
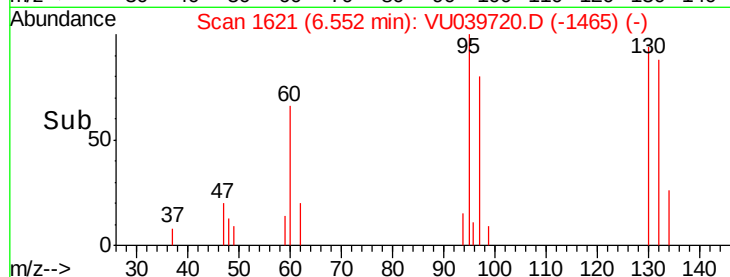
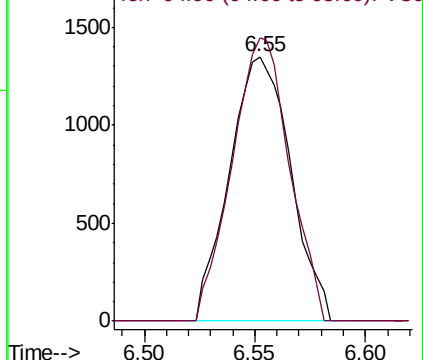
#37
 Trichloroethene
 Concen: 0.464 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tgt Ion:130 Resp: 2601
 Ion Ratio Lower Upper
 130 100
 95 106.9 84.3 126.5

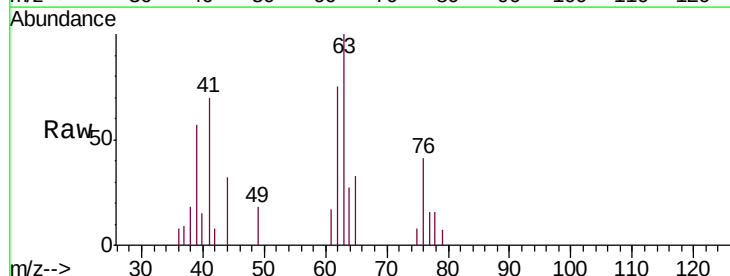


Abundance Ion 129.90 (129.60 to 130.60): VU039699.D (-1607) (-)
 Ion 94.90 (94.60 to 95.60): VU039699.D (-1607) (-)

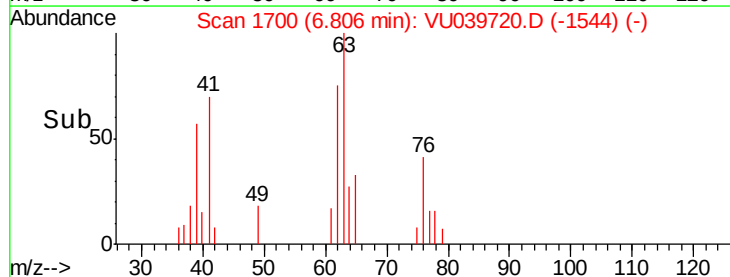
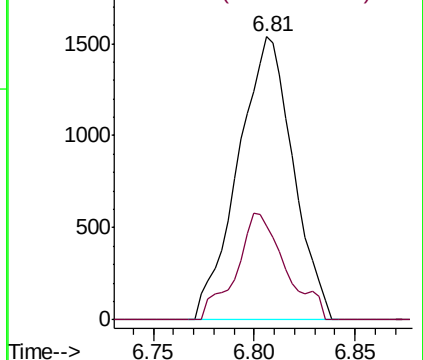


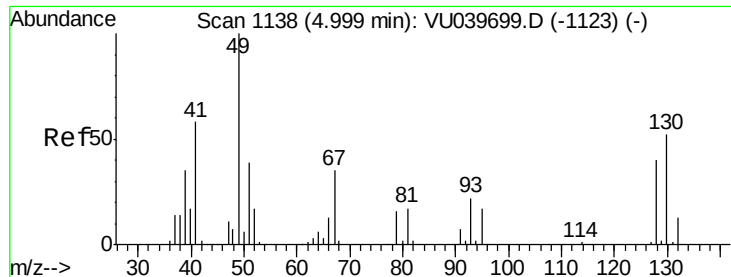
#38
 1,2-Dichloropropane
 Concen: 0.433 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Tgt Ion: 63 Resp: 2925
 Ion Ratio Lower Upper
 63 100
 65 33.3 23.8 35.6



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

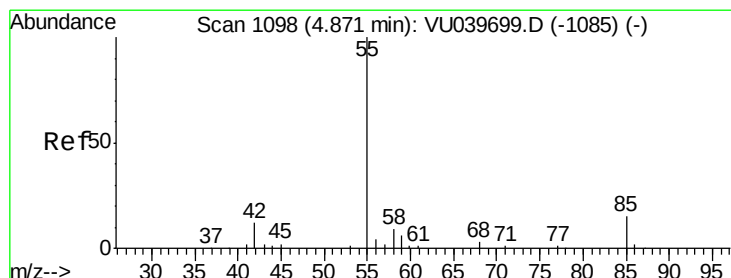
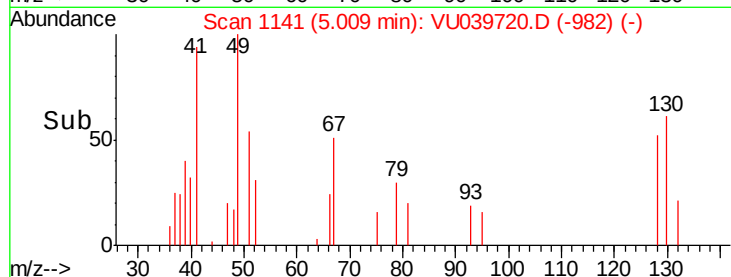
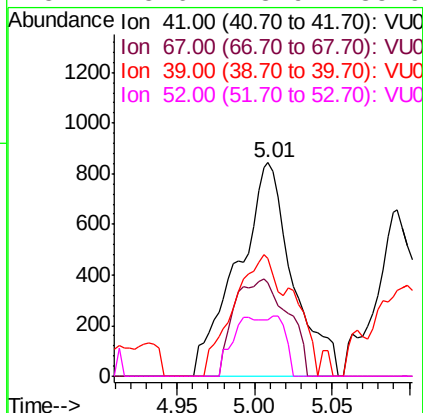
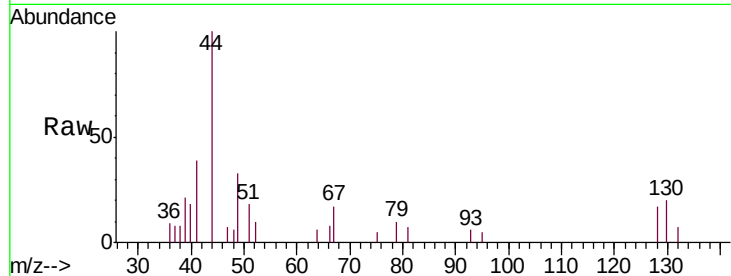




#39
Methacrylonitrile
Concen: 0.532 ug/l
RT: 5.01 min Scan# 1141
Delta R.T. 0.01 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

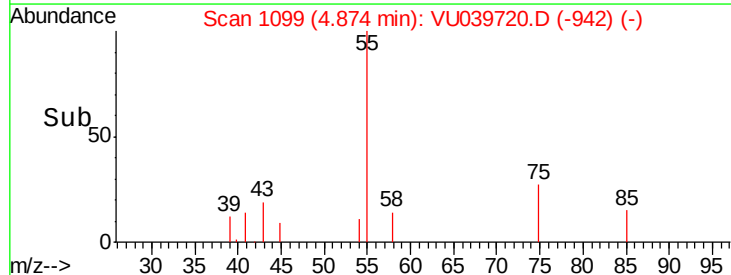
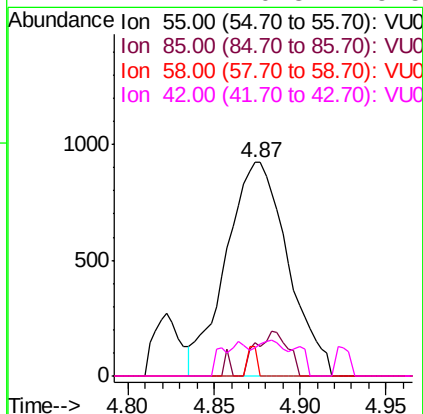
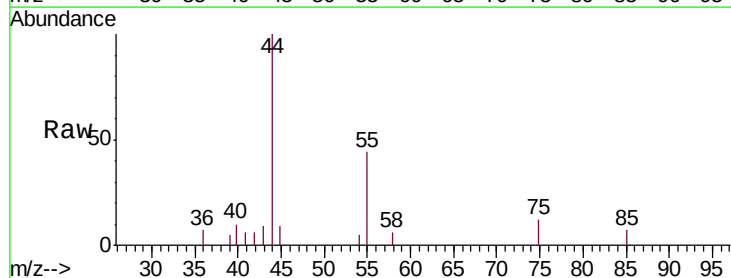
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2020

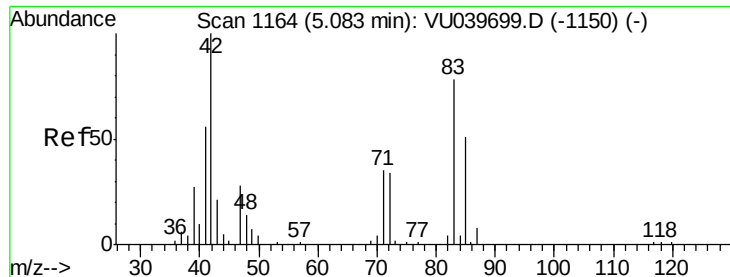
Tgt Ion: 41 Resp: 2091
Ion Ratio Lower Upper
41 100
67 43.8 48.3 72.5#
39 46.5 47.6 71.4#
52 15.6 23.9 35.9#



#40
Methyl acrylate
Concen: 0.455 ug/l
RT: 4.87 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

Tgt Ion: 55 Resp: 2305
Ion Ratio Lower Upper
55 100
85 10.8 11.4 17.0#
58 2.1 7.4 11.0#
42 7.1 10.3 15.5#





#41

Tetrahydrofuran

Concen: 1.085 ug/l

RT: 5.10 min Scan# 1168

Delta R.T. 0.01 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2020

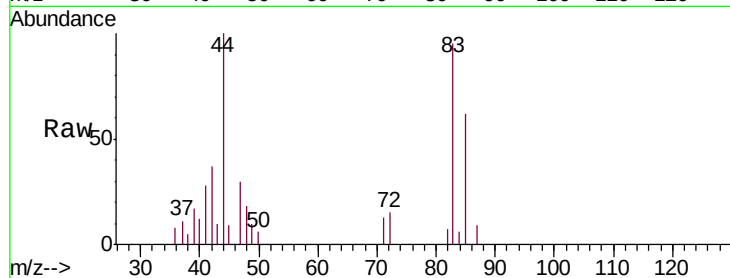
Tgt Ion: 42 Resp: 2147

Ion Ratio Lower Upper

42 100

72 23.3 31.0 46.6#

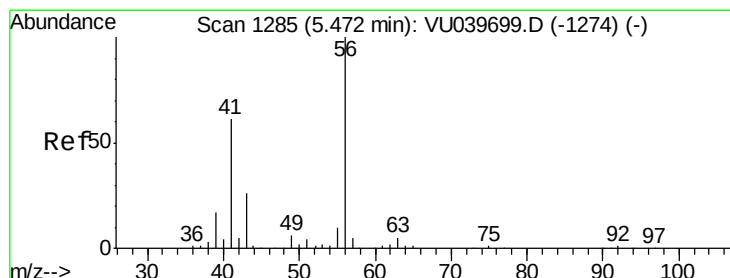
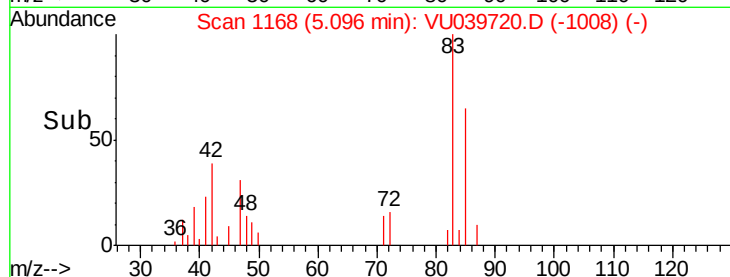
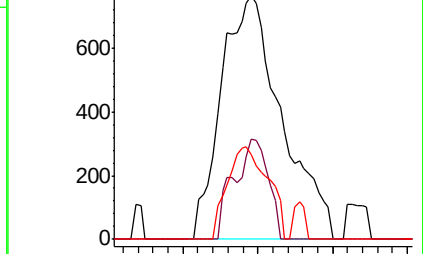
71 25.7 28.2 42.4#



Abundance Ion 42.00 (41.70 to 42.70): VU039720.D (-1168) (-)

Ion 72.00 (71.70 to 72.70): VU039720.D (-1168) (-)

Ion 71.00 (70.70 to 71.70): VU039720.D (-1168) (-)



#42

1-Chlorobutane

Concen: 0.440 ug/l

RT: 5.47 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU039720.D

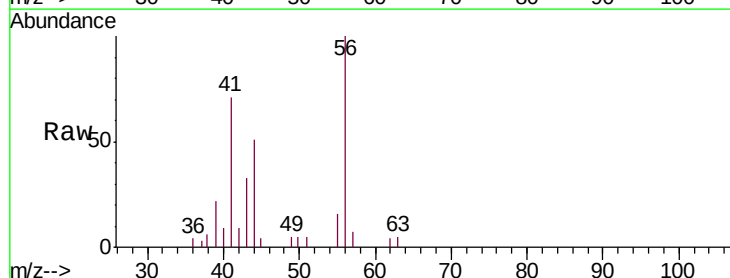
Acq: 30 Jul 2020 13:26

Tgt Ion: 56 Resp: 6842

Ion Ratio Lower Upper

56 100

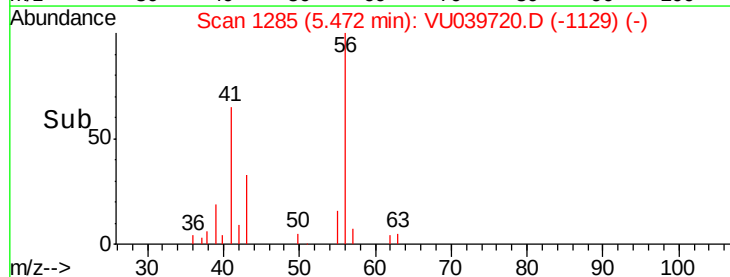
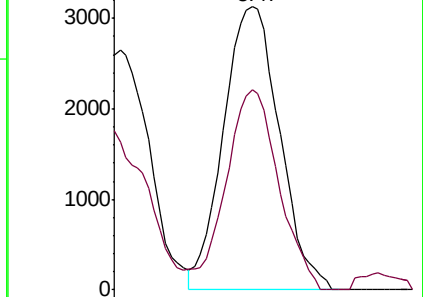
41 65.7 30.5 91.5

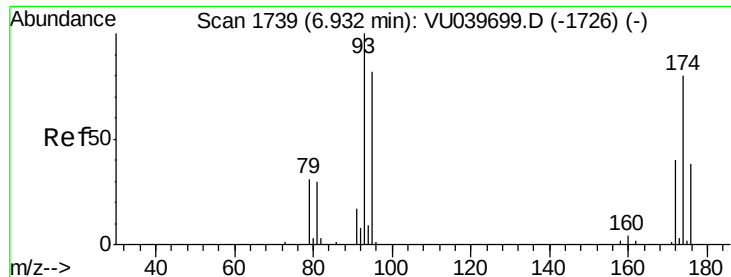


Abundance Ion 56.00 (55.70 to 56.70): VU039720.D (-1285) (-)

Ion 41.00 (40.70 to 41.70): VU039720.D (-1285) (-)

Ion 40.00 (39.70 to 40.70): VU039720.D (-1285) (-)





#43

Dibromomethane

Concen: 0.405 ug/l

RT: 6.93 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2020

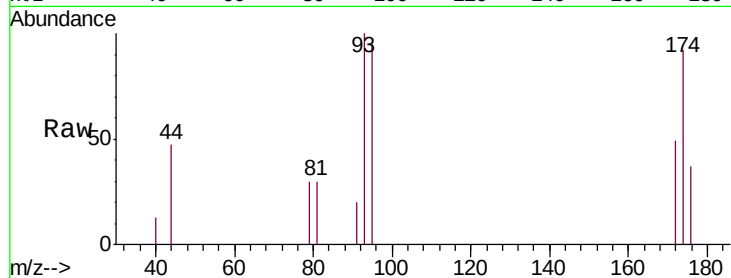
Tgt Ion: 93 Resp: 1475

Ion Ratio Lower Upper

93 100

95 90.4 66.6 99.8

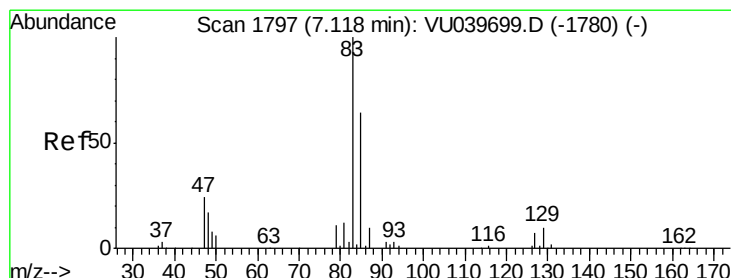
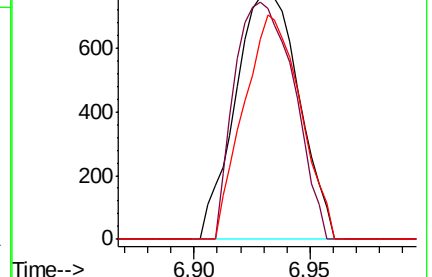
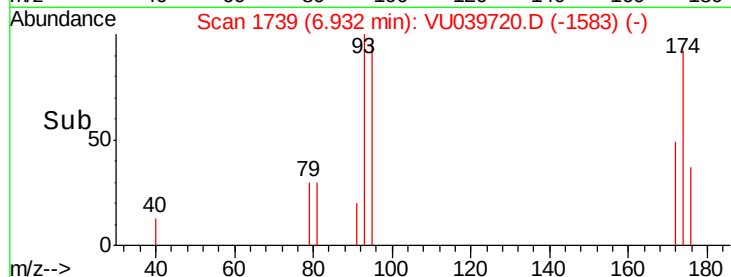
174 81.6 62.7 94.1



Abundance Ion 93.00 (92.70 to 93.70): VU039720.D (-1583) (-)

Ion 95.00 (94.70 to 95.70): VU039720.D (-1583) (-)

Ion 174.00 (173.70 to 174.70): VU039720.D (-1583) (-)



#44

Bromodichloromethane

Concen: 0.428 ug/l

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

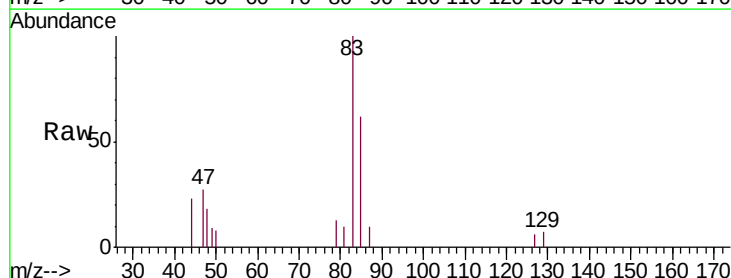
Tgt Ion: 83 Resp: 3568

Ion Ratio Lower Upper

83 100

85 61.6 50.8 76.2

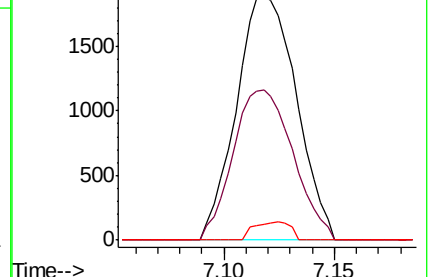
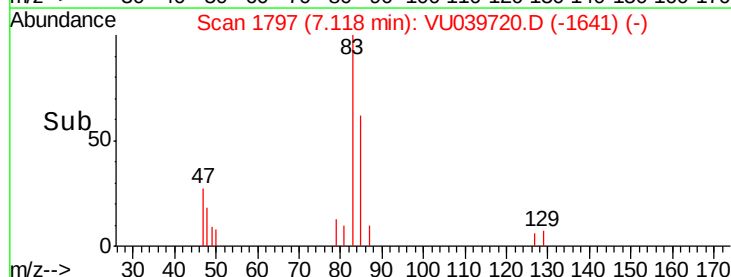
127 6.4 5.8 8.6

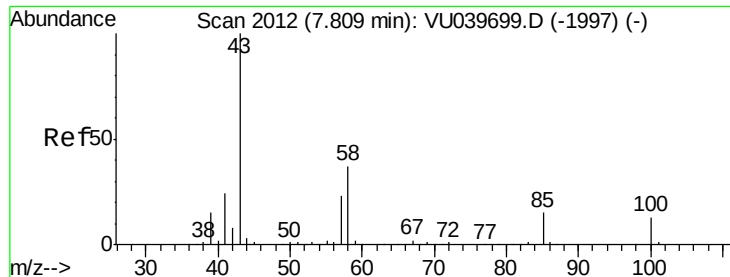


Abundance Ion 83.00 (82.70 to 83.70): VU039720.D (-1641) (-)

Ion 85.00 (84.70 to 85.70): VU039720.D (-1641) (-)

Ion 127.00 (126.70 to 127.70): VU039720.D (-1641) (-)

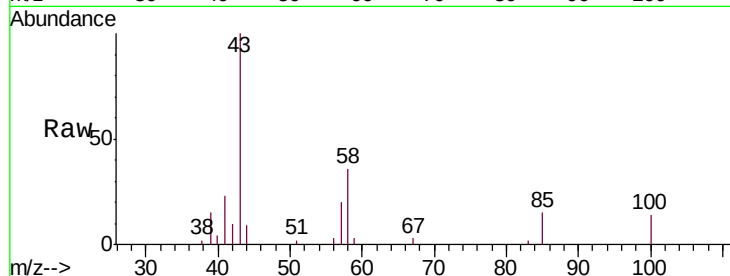




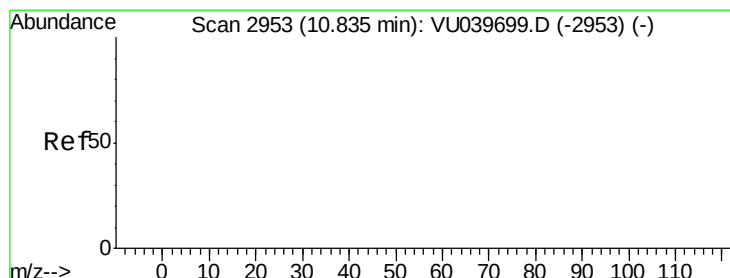
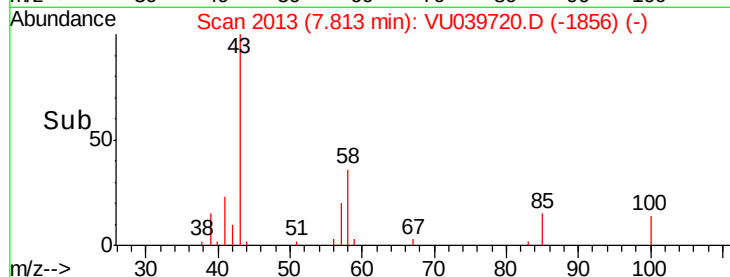
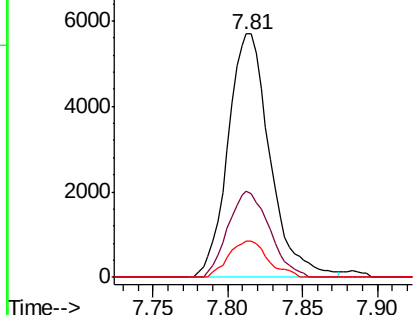
#45
4-Methyl-2-Pentanone
Concen: 2.020 ug/l
RT: 7.81 min Scan# 2013
Delta R.T. 0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tgt Ion: 43 Resp: 11129
Ion Ratio Lower Upper
43 100
58 34.9 18.4 55.0
85 14.0 11.8 17.6

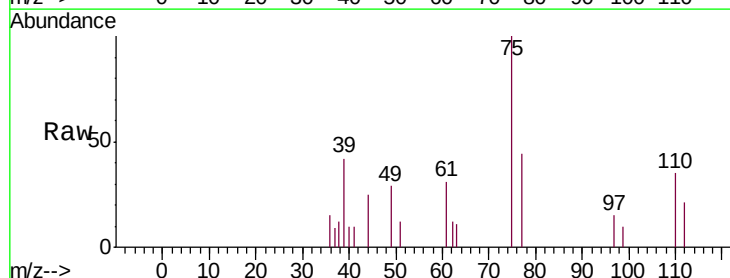


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

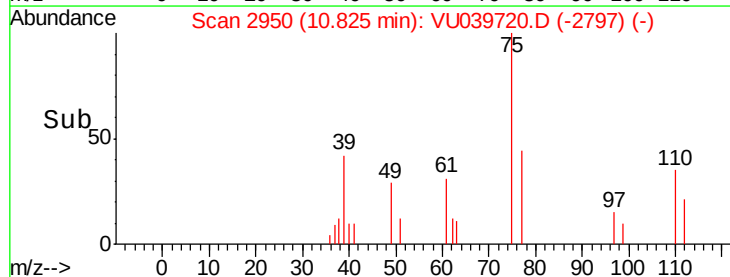
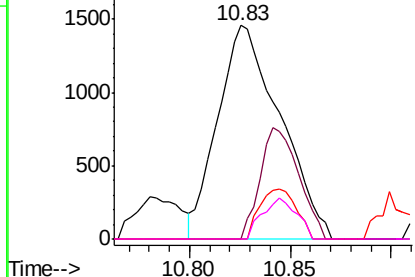


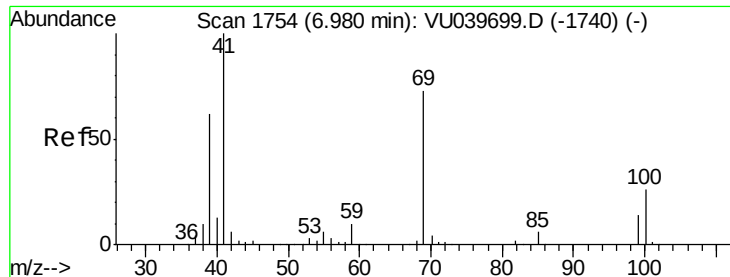
#46
t-1,4-Dichloro-2-butene
Concen: 1.911 ug/l
RT: 10.83 min Scan# 2950
Delta R.T. -0.01 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

Tgt Ion: 75 Resp: 3132
Ion Ratio Lower Upper
75 100
53 32.2 78.6 118.0#
89 13.7 40.3 60.5#
88 10.5 34.0 51.0#



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





#47

Methyl methacrylate

Concen: 0.798 ug/l

RT: 6.98 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tgt Ion: 69 Resp: 2708

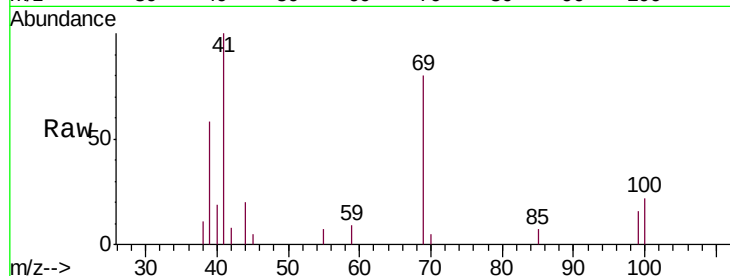
Ion Ratio Lower Upper

69 100

41 142.1 0.0 271.6

39 87.1 67.4 101.2

100 30.9 28.3 42.5

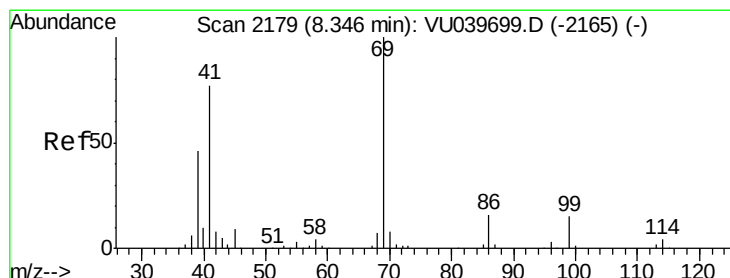
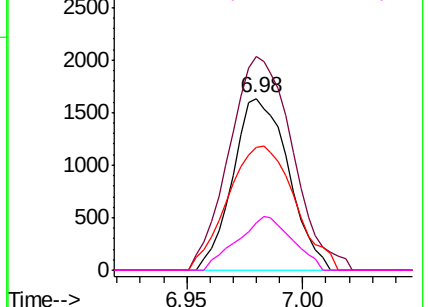
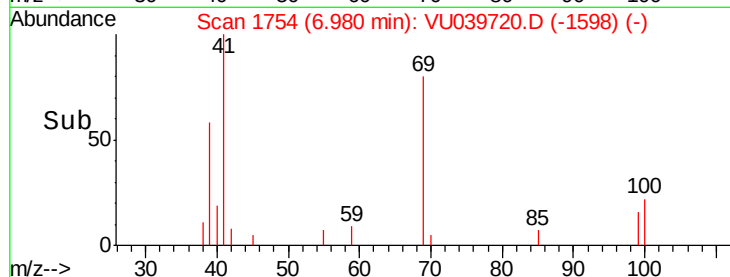


Abundance Ion 69.00 (68.70 to 69.70): VU039699.D (-1740) (-)

Ion 41.00 (40.70 to 41.70): VU039699.D (-1740) (-)

Ion 39.00 (38.70 to 39.70): VU039699.D (-1740) (-)

Ion 100.00 (99.70 to 100.70): VU039699.D (-1740) (-)



#48

Ethyl methacrylate

Concen: 0.364 ug/l

RT: 8.34 min Scan# 2178

Delta R.T. -0.00 min

Lab File: VU039720.D

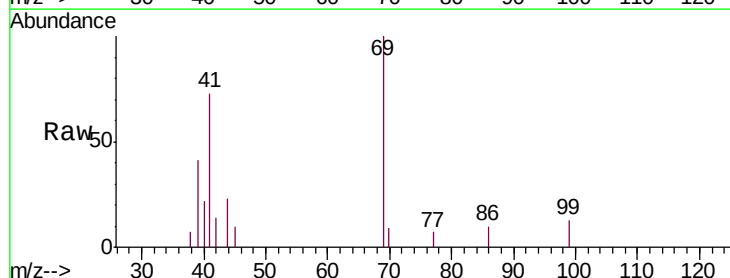
Acq: 30 Jul 2020 13:26

Tgt Ion: 69 Resp: 2270

Ion Ratio Lower Upper

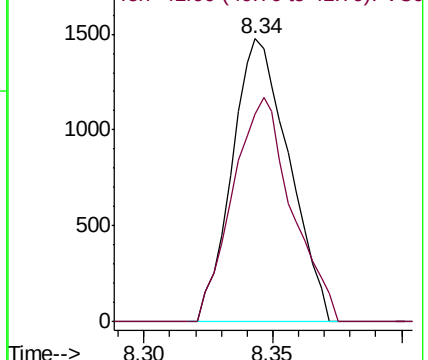
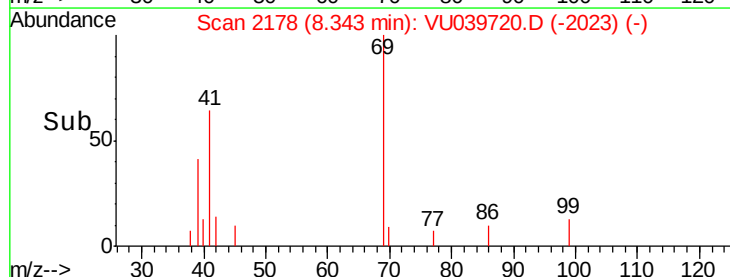
69 100

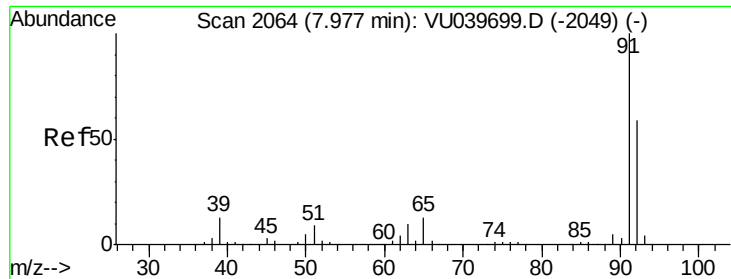
41 82.6 39.1 117.5



Abundance Ion 69.00 (68.70 to 69.70): VU039699.D (-2165) (-)

Ion 41.00 (40.70 to 41.70): VU039699.D (-2165) (-)





#49

Toluene

Concen: 0.376 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

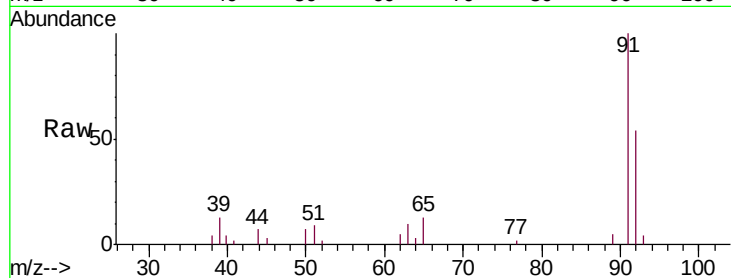
LOQ-WATER-02-QT3-2020

Tgt Ion: 92 Resp: 5495

Ion Ratio Lower Upper

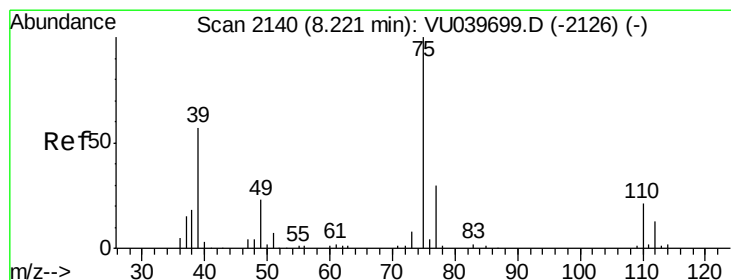
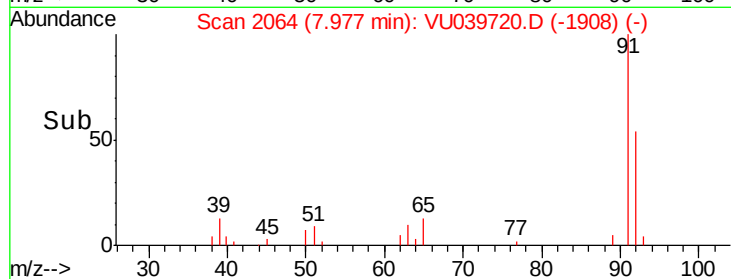
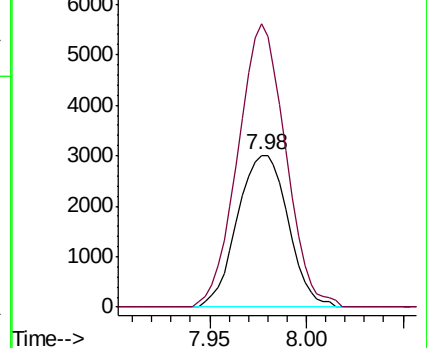
92 100

91 175.1 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VU039699.D (-2049) (-)

Ion 91.00 (90.70 to 91.70): VU039699.D (-2049) (-)



#50

t-1,3-Dichloropropene

Concen: 0.375 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039720.D

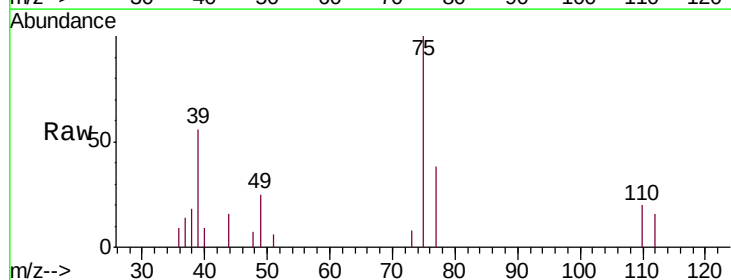
Acq: 30 Jul 2020 13:26

Tgt Ion: 75 Resp: 2819

Ion Ratio Lower Upper

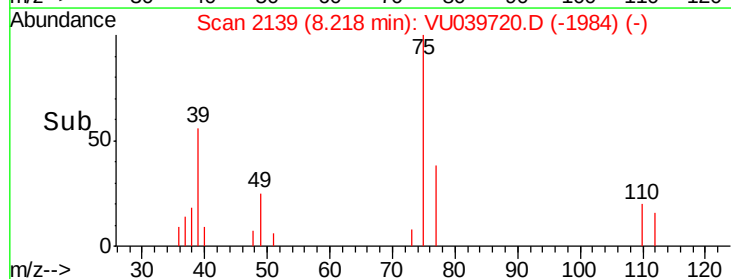
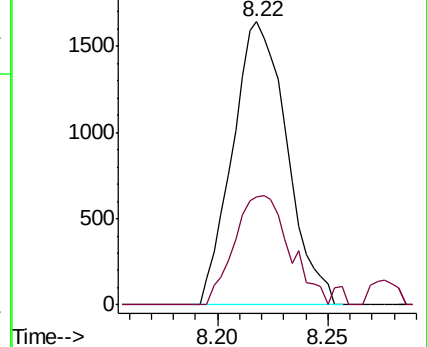
75 100

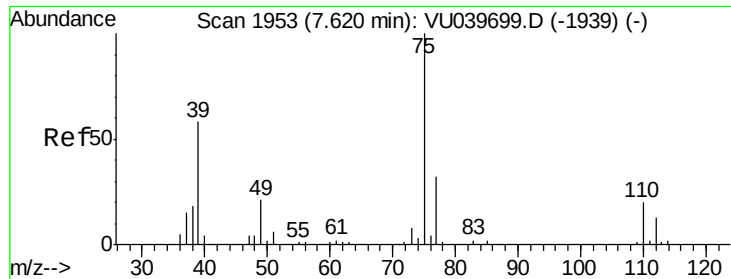
77 38.1 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): VU039699.D (-2126) (-)

Ion 77.00 (76.70 to 77.70): VU039699.D (-2126) (-)

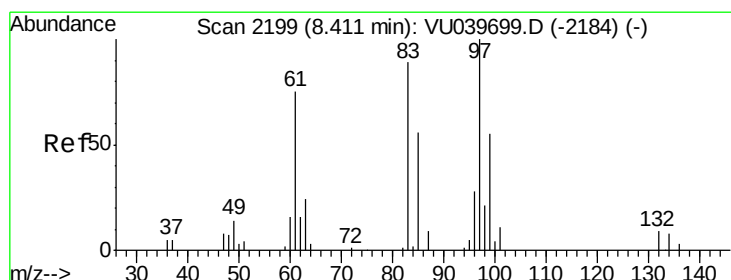
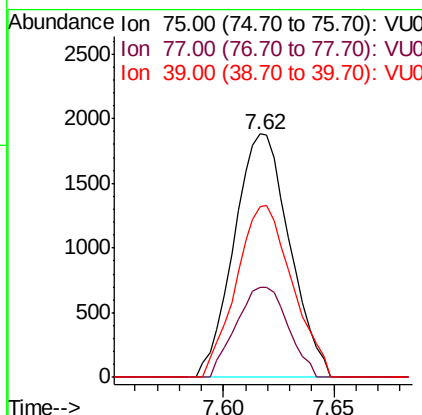
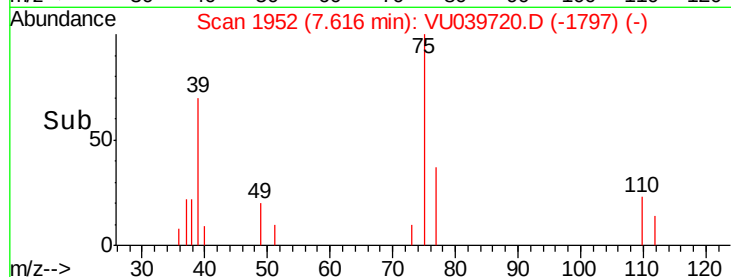
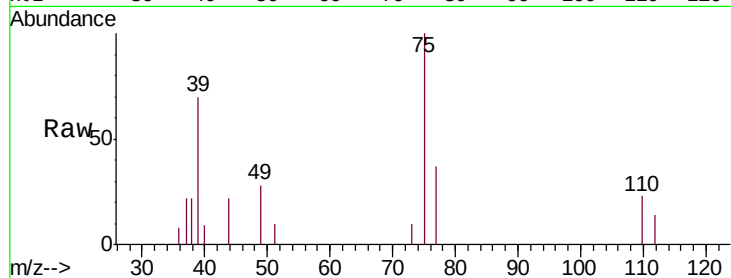




#51
 cis-1,3-Dichloropropene
 Concen: 0.371 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

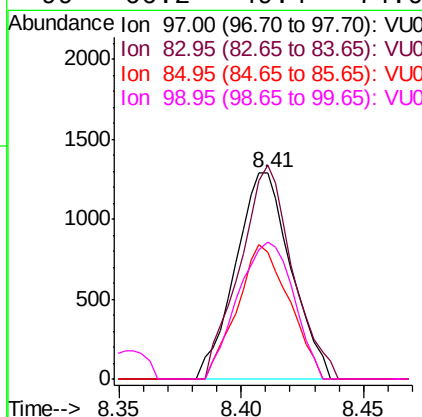
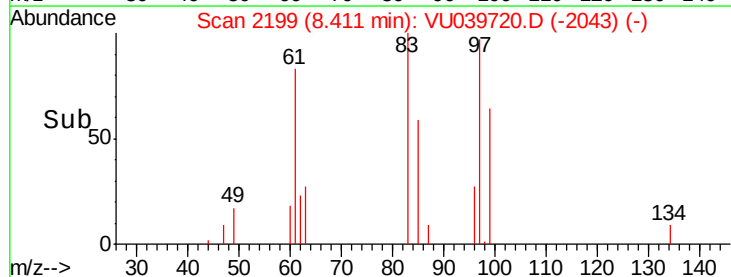
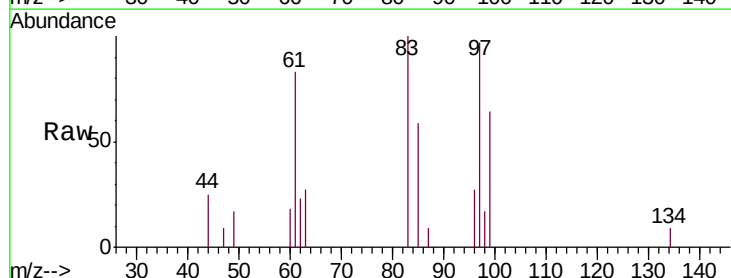
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

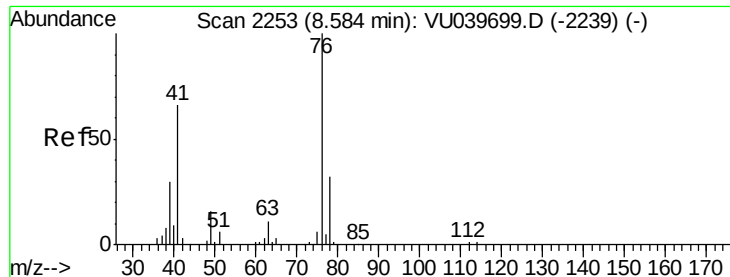
Tgt Ion: 75 Resp: 3279
 Ion Ratio Lower Upper
 75 100
 77 37.1 25.7 38.5
 39 70.1 46.1 69.1#



#52
 1,1,2-Trichloroethane
 Concen: 0.429 ug/l
 RT: 8.41 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Tgt Ion: 97 Resp: 2029
 Ion Ratio Lower Upper
 97 100
 83 103.6 71.3 106.9
 85 61.5 45.4 68.2
 99 66.2 49.4 74.0





#53

1,3-Dichloropropane

Concen: 0.411 ug/l

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

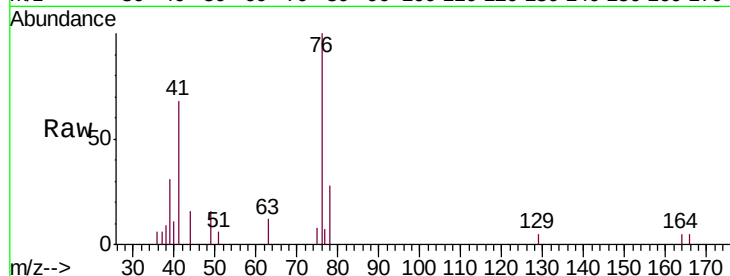
LOQ-WATER-02-QT3-2020

Tgt Ion: 76 Resp: 3727

Ion Ratio Lower Upper

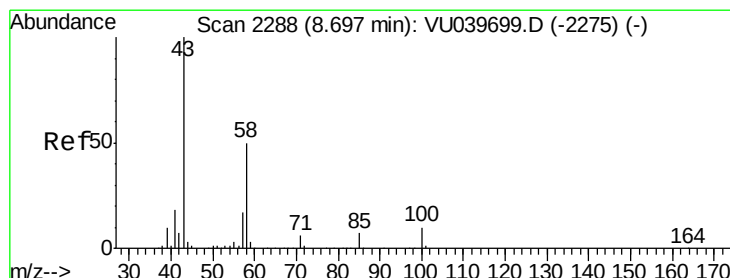
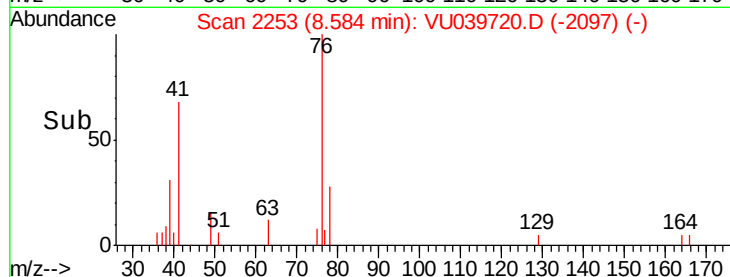
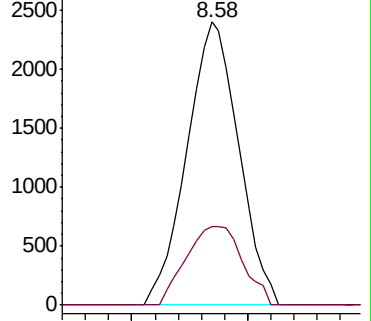
76 100

78 30.3 25.4 38.2



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

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



#54

2-Hexanone

Concen: 1.899 ug/l

RT: 8.70 min Scan# 2289

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

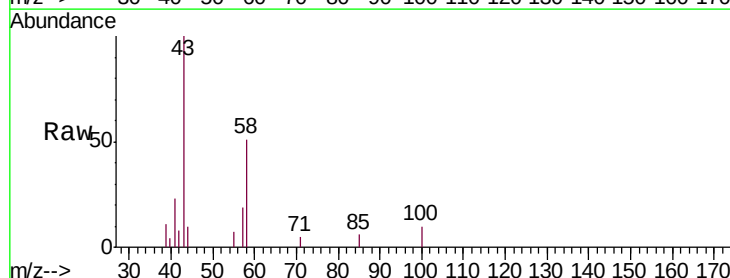
Tgt Ion: 43 Resp: 7493

Ion Ratio Lower Upper

43 100

58 47.8 29.9 69.9

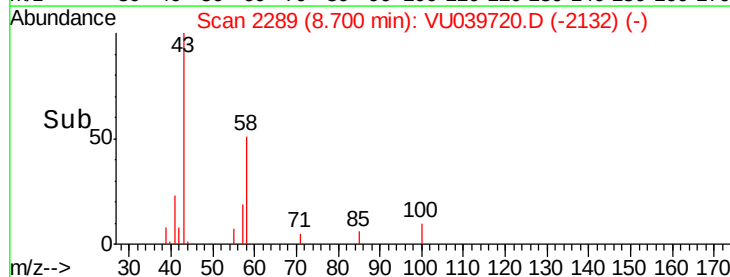
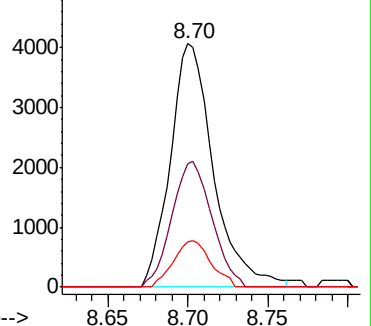
57 16.4 0.0 37.2

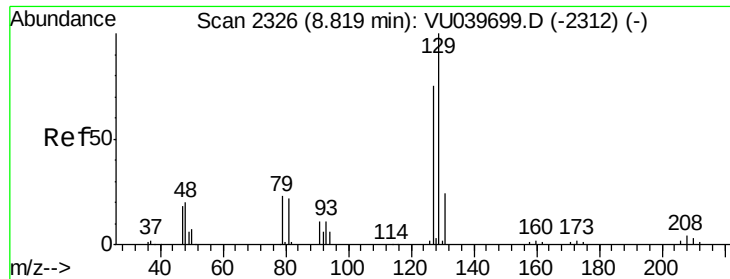


Abundance Ion 43.00 (42.70 to 43.70): VU039699.D (-2275) (-)

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

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

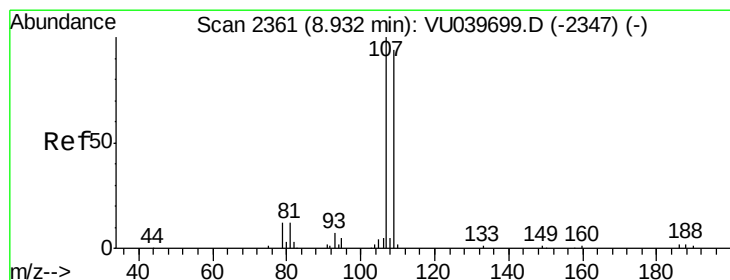
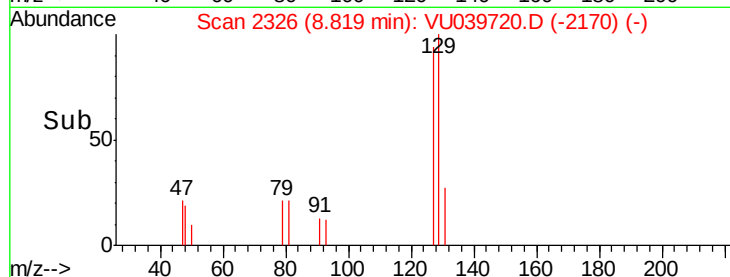
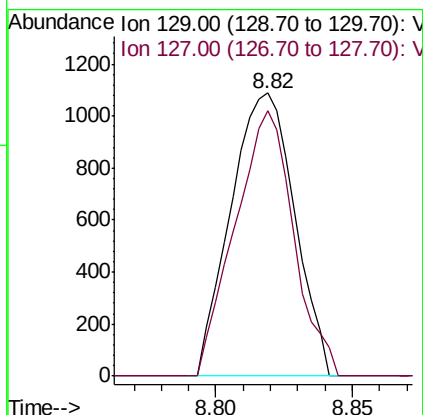
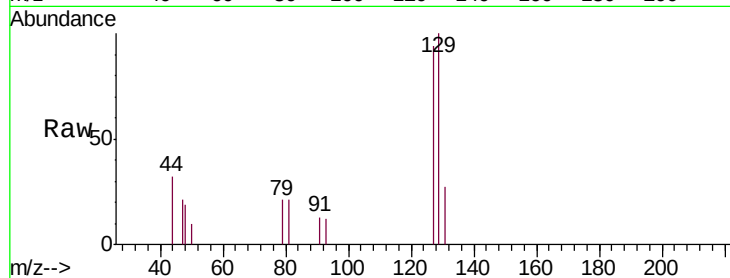




#55
 Dibromochloromethane
 Concen: 0.348 ug/l
 RT: 8.82 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

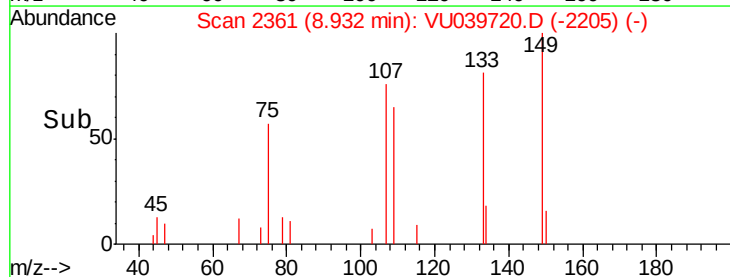
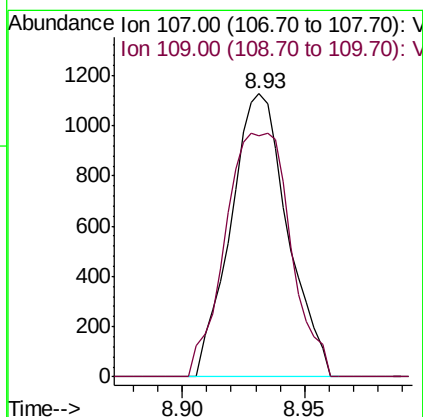
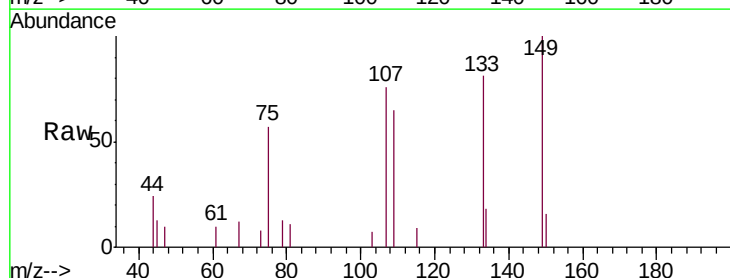
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

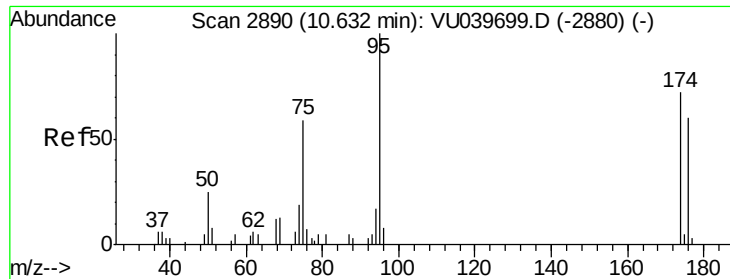
Tgt Ion:129 Resp: 1765
 Ion Ratio Lower Upper
 129 100
 127 86.0 62.4 93.6



#56
 1,2-Dibromoethane
 Concen: 0.401 ug/l
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Tgt Ion:107 Resp: 1825
 Ion Ratio Lower Upper
 107 100
 109 99.1 0.0 185.2

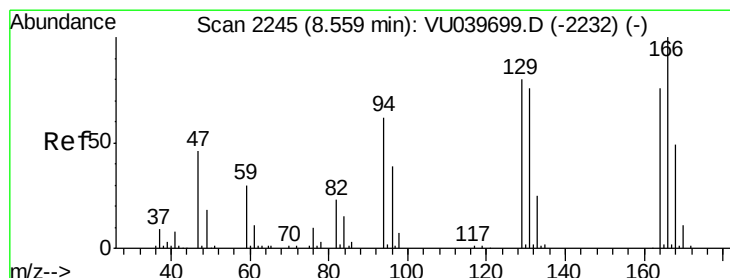
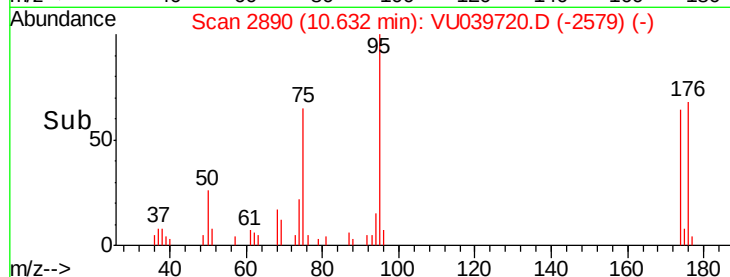
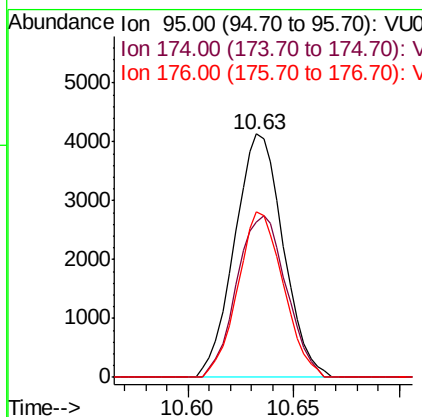
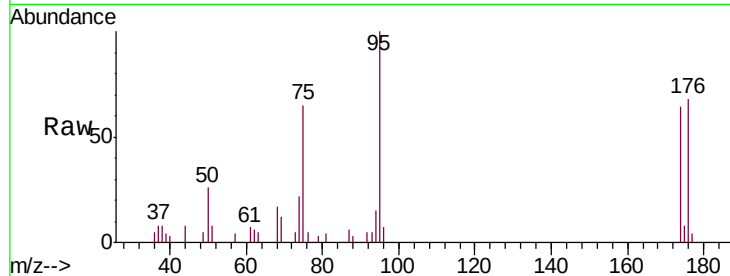




#57
 4-Bromofluorobenzene
 Concen: 0.865 ug/l
 RT: 10.63 min Scan# 2890
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

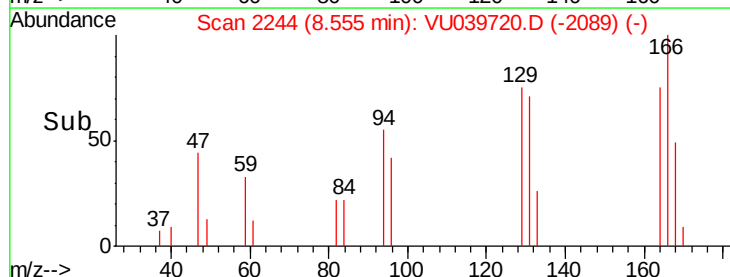
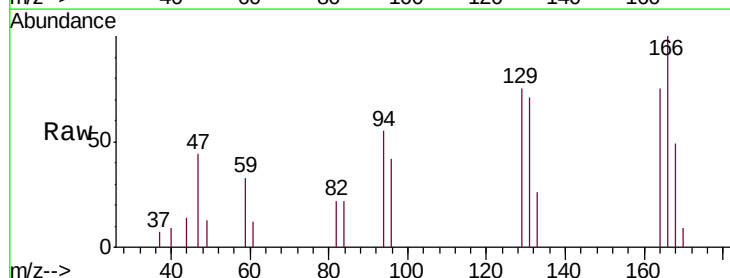
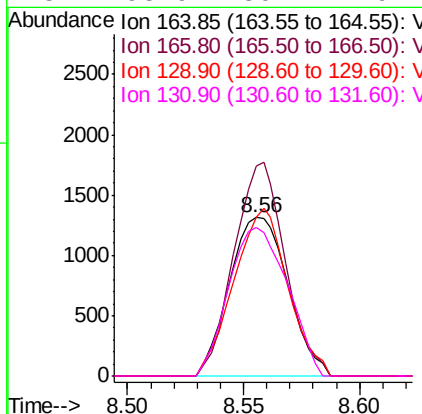
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

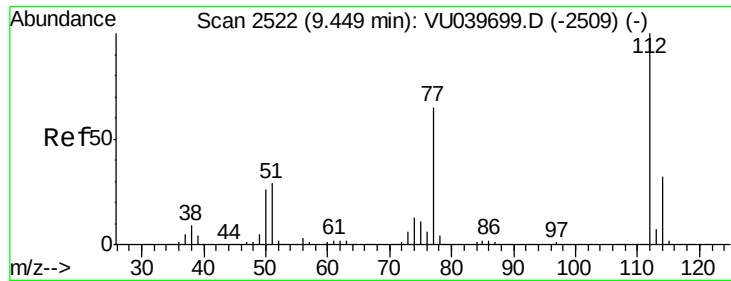
Tgt Ion: 95 Resp: 6624
 Ion Ratio Lower Upper
 95 100
 174 67.5 57.0 85.4
 176 63.7 50.2 75.2



#58
 Tetrachloroethene
 Concen: 0.469 ug/l
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Tgt Ion: 164 Resp: 2304
 Ion Ratio Lower Upper
 164 100
 166 132.8 104.8 157.2
 129 100.1 84.1 126.1
 131 93.9 80.1 120.1





#59

Chlorobenzene

Concen: 0.392 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

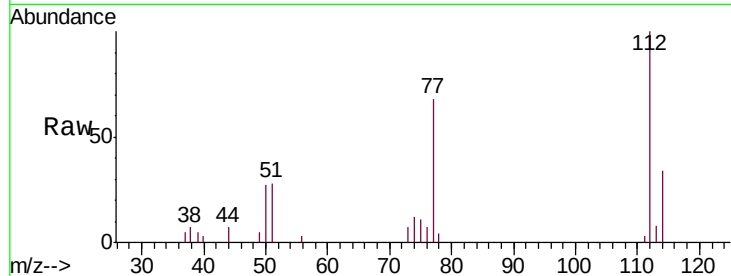
LOQ-WATER-02-QT3-2020

Tgt Ion:112 Resp: 5918

Ion Ratio Lower Upper

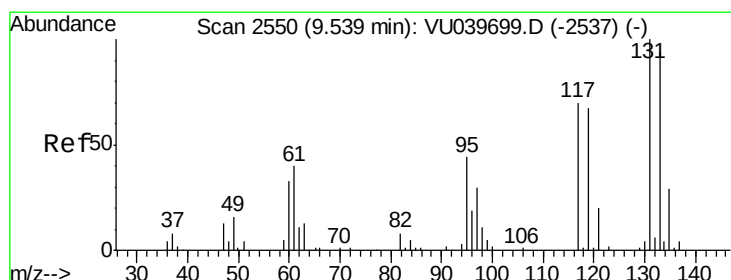
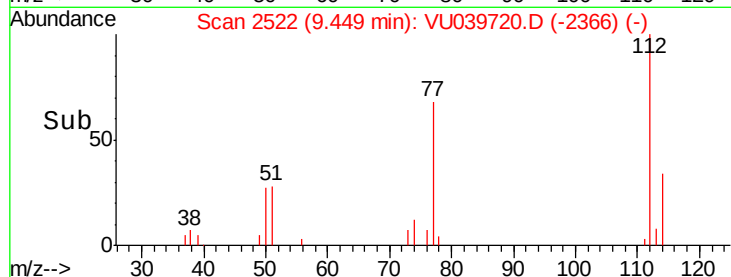
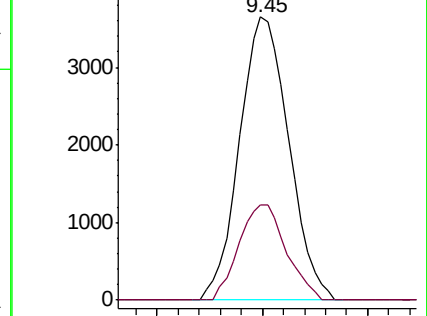
112 100

114 33.7 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 0.394 ug/l

RT: 9.54 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

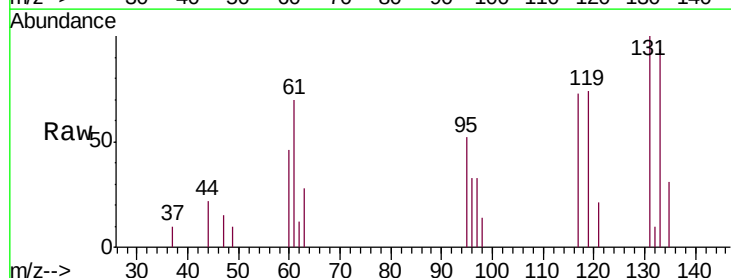
Tgt Ion:131 Resp: 2006

Ion Ratio Lower Upper

131 100

133 90.2 75.8 113.8

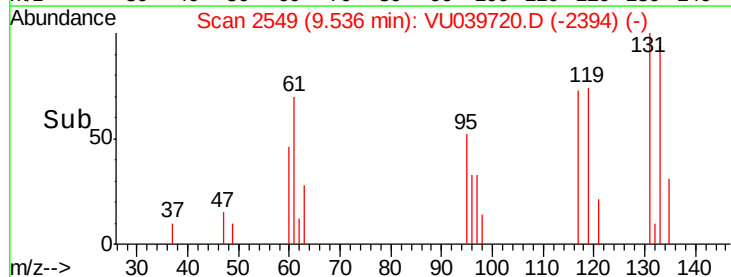
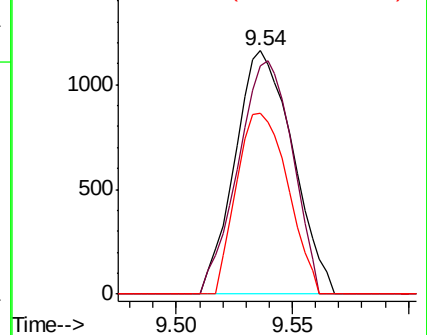
119 66.3 54.6 81.8

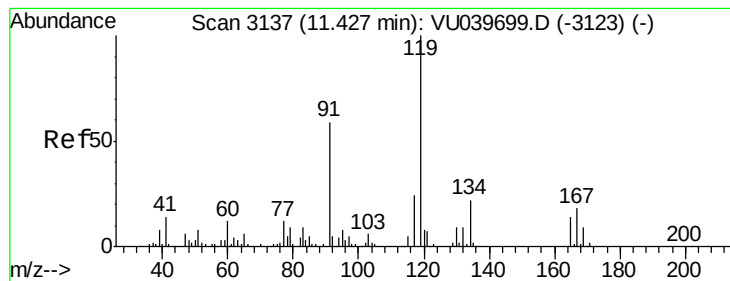


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 0.375 ug/l

RT: 11.43 min Scan# 3137

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

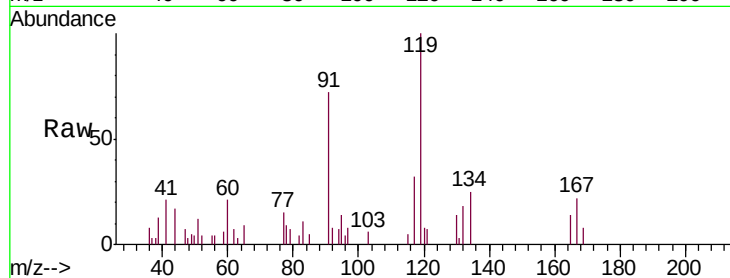
LOQ-WATER-02-QT3-2020

Tgt Ion:117 Resp: 1679

Ion Ratio Lower Upper

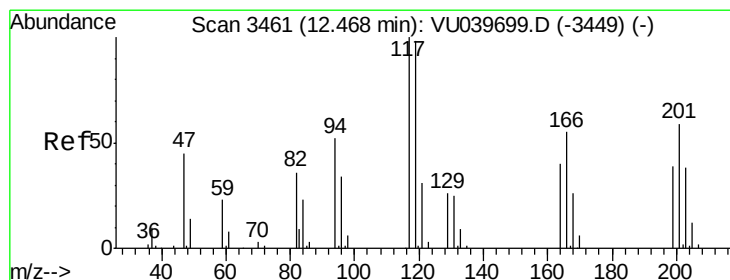
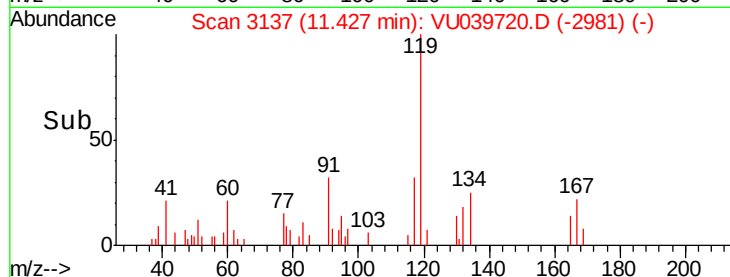
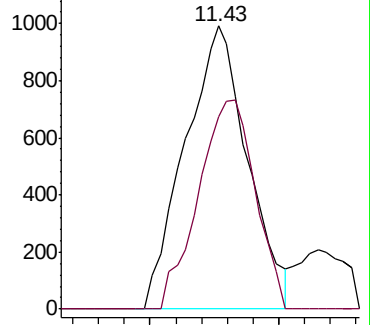
117 100

167 67.0 56.6 85.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.355 ug/l

RT: 12.47 min Scan# 3461

Delta R.T. 0.00 min

Lab File: VU039720.D

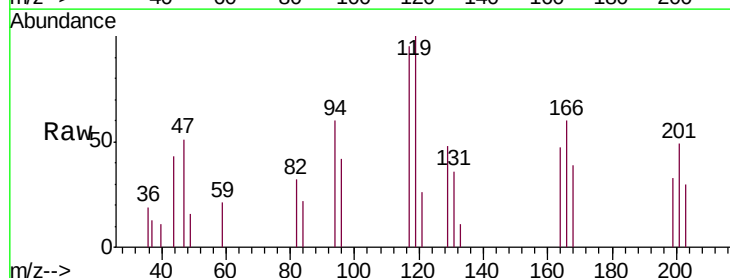
Acq: 30 Jul 2020 13:26

Tgt Ion:117 Resp: 1456

Ion Ratio Lower Upper

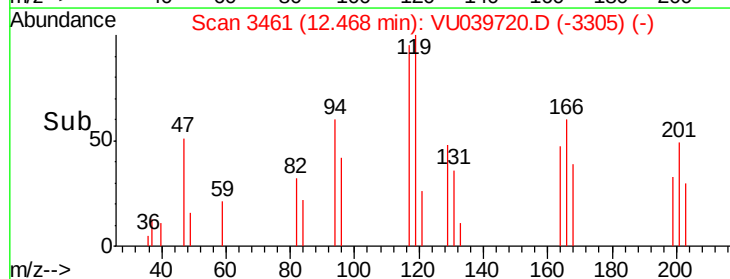
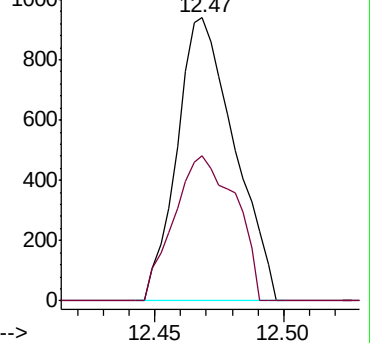
117 100

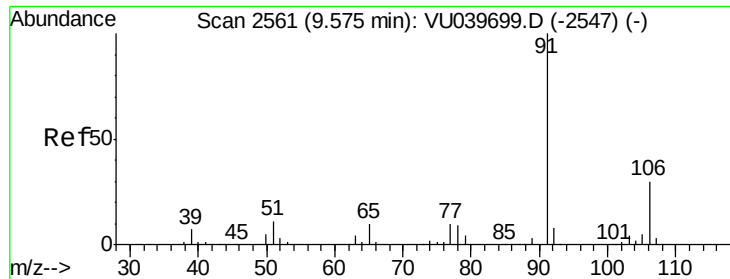
201 55.2 48.1 72.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 0.349 ug/l

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

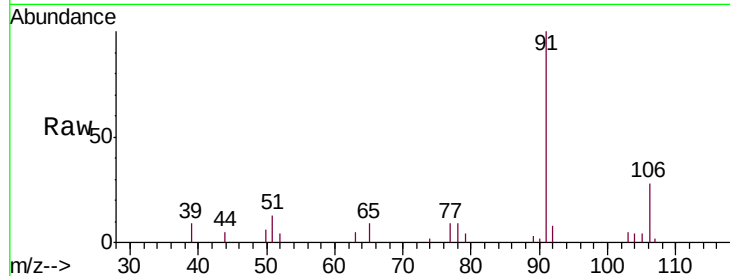
LOQ-WATER-02-QT3-2020

Tgt Ion: 91 Resp: 9429

Ion Ratio Lower Upper

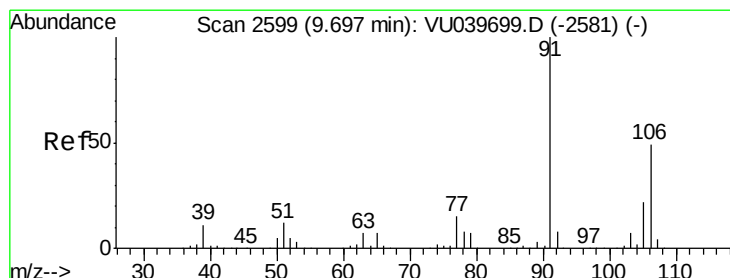
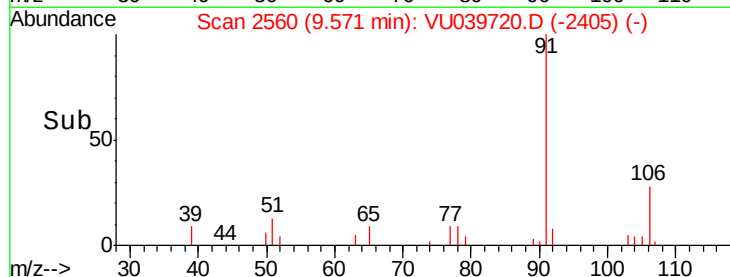
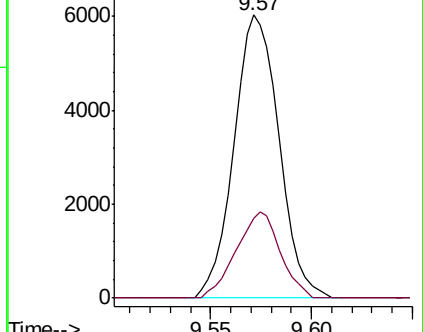
91 100

106 28.4 24.2 36.4



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

Ion 106.00 (105.70 to 106.70): VU039699.D (-2547) (-)



#64

m/p-Xylenes

Concen: 0.668 ug/l

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039720.D

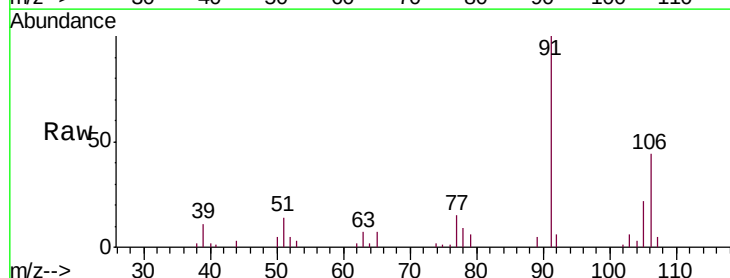
Acq: 30 Jul 2020 13:26

Tgt Ion: 106 Resp: 7058

Ion Ratio Lower Upper

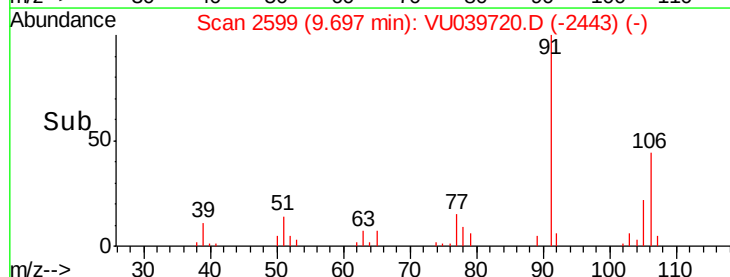
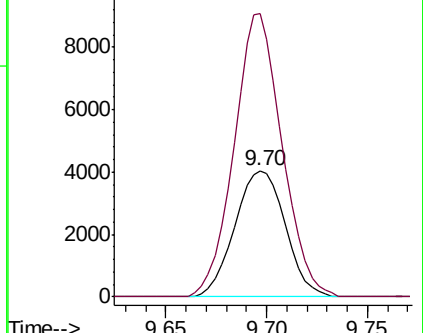
106 100

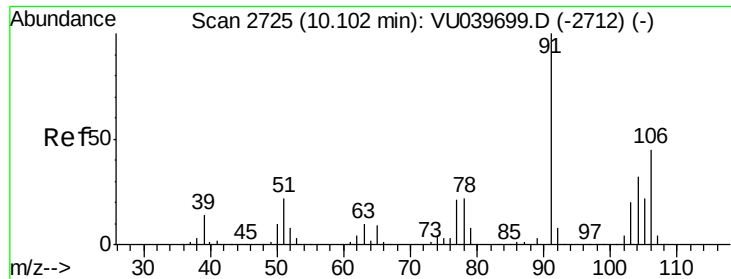
91 213.6 163.9 245.9



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

Ion 91.00 (90.70 to 91.70): VU039699.D (-2581) (-)

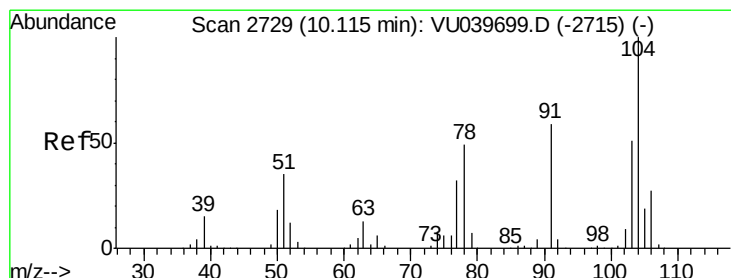
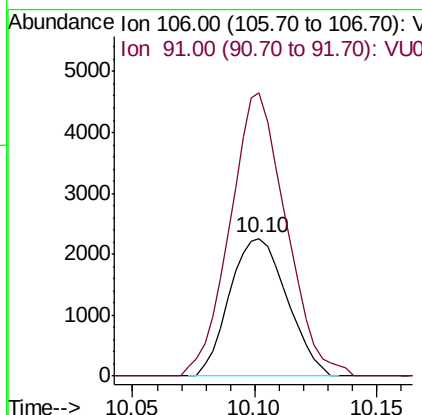
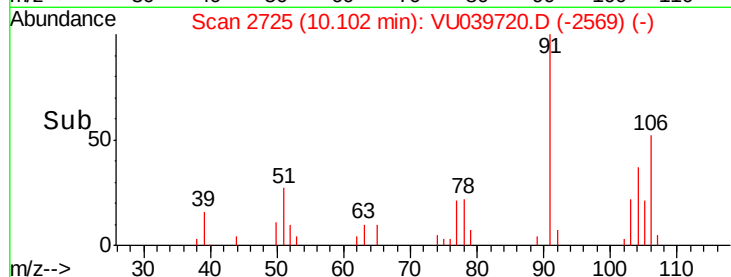
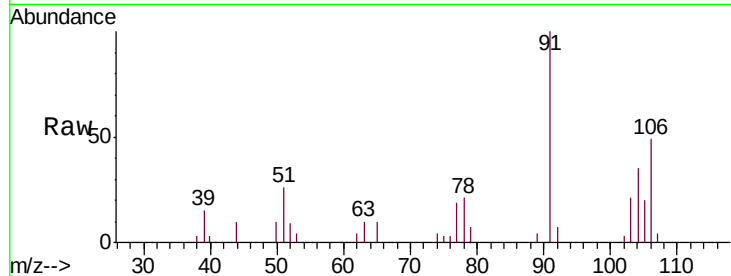




#65
o-Xylene
Concen: 0.368 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

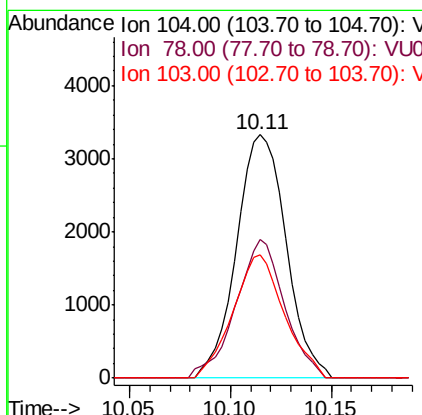
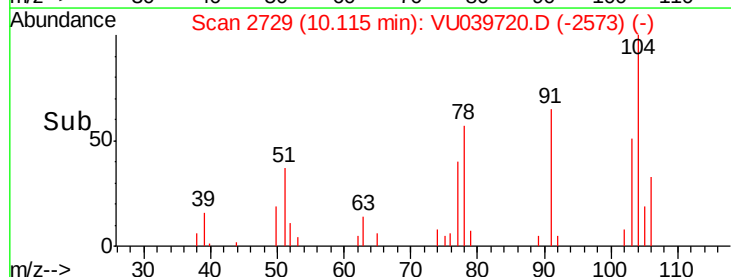
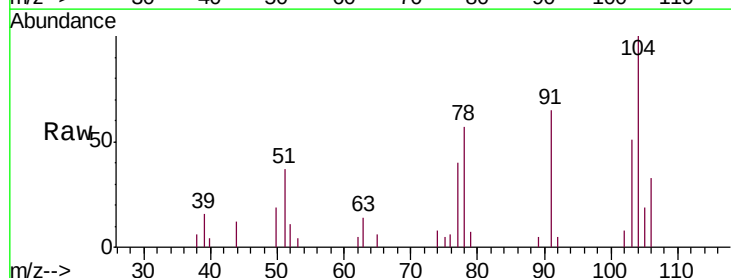
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2020

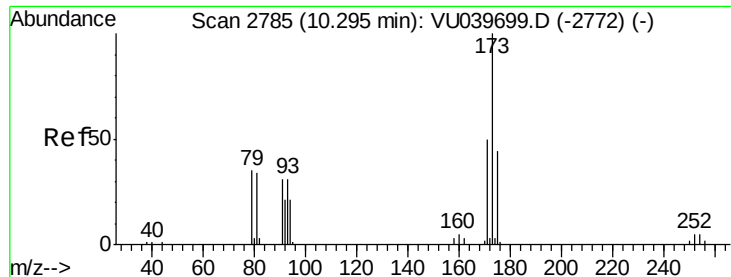
Tgt Ion:106 Resp: 3693
Ion Ratio Lower Upper
106 100
91 201.0 110.3 331.0



#66
Styrene
Concen: 0.334 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

Tgt Ion:104 Resp: 5739
Ion Ratio Lower Upper
104 100
78 55.7 42.2 63.4
103 52.1 43.4 65.2

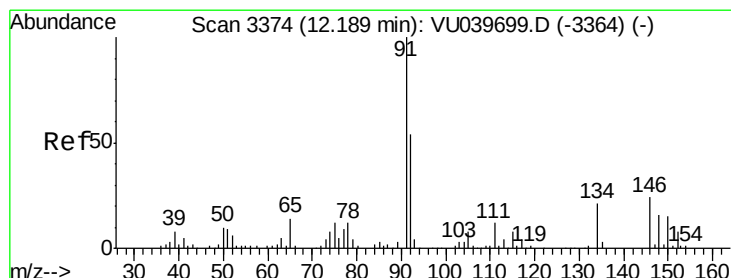
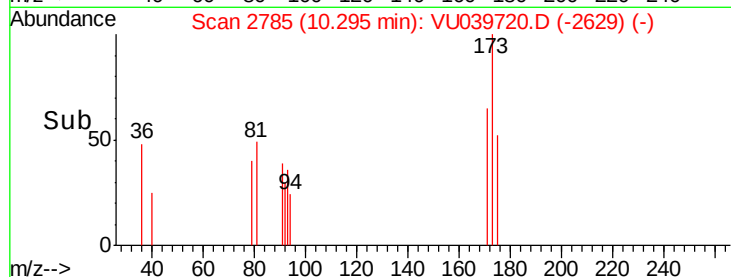
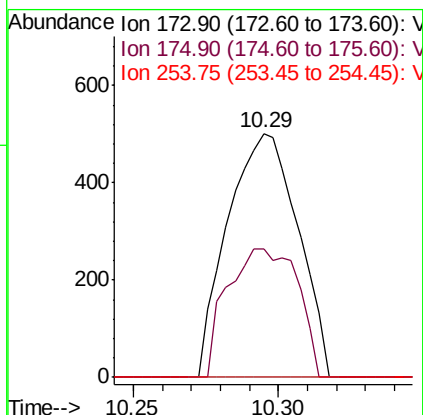
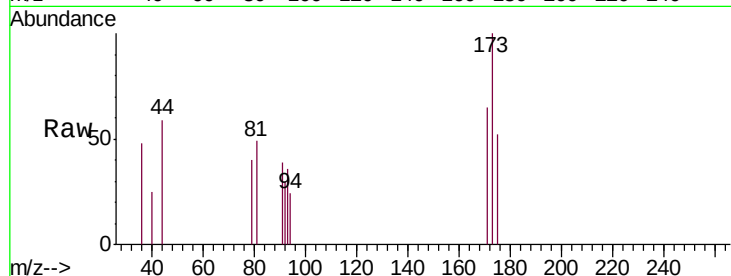




#67
Bromoform
Concen: 0.325 ug/l
RT: 10.29 min Scan# 2785
Delta R.T. 0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

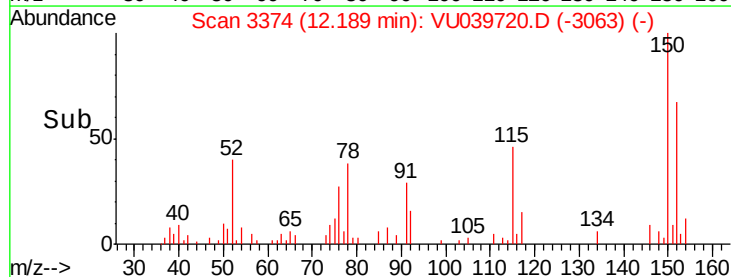
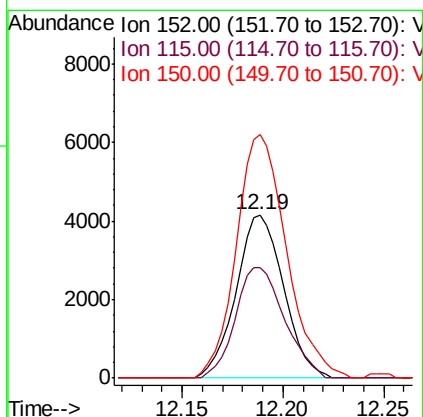
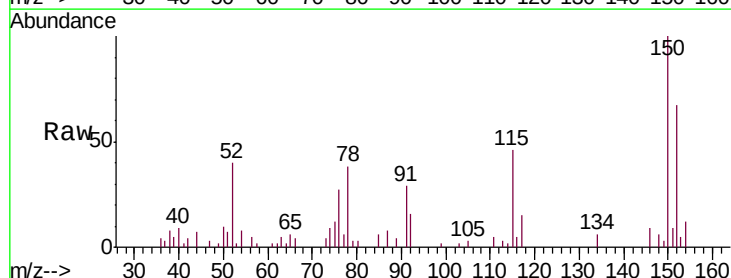
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2020

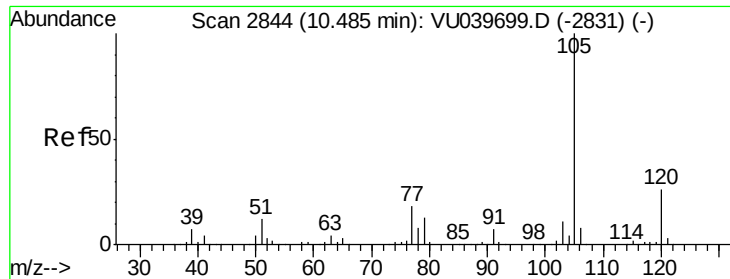
Tgt Ion:173 Resp: 841
Ion Ratio Lower Upper
173 100
175 52.8 36.7 55.1
254 0.0 3.8 5.8#



#68
1,2-Dichlorobenzene-d4
Concen: 0.918 ug/l
RT: 12.19 min Scan# 3374
Delta R.T. 0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

Tgt Ion:152 Resp: 6879
Ion Ratio Lower Upper
152 100
115 69.9 0.0 302.4
150 157.0 0.0 645.8





#69

Isopropylbenzene

Concen: 0.352 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

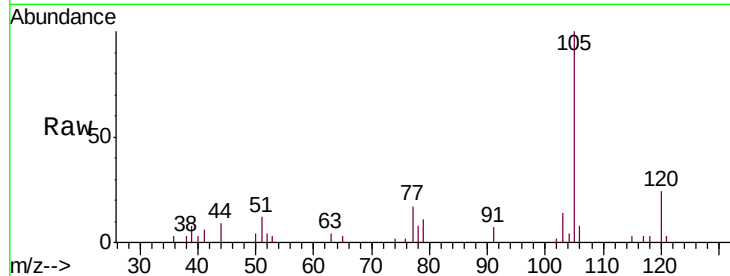
LOQ-WATER-02-QT3-2020

Tgt Ion: 105 Resp: 9430

Ion Ratio Lower Upper

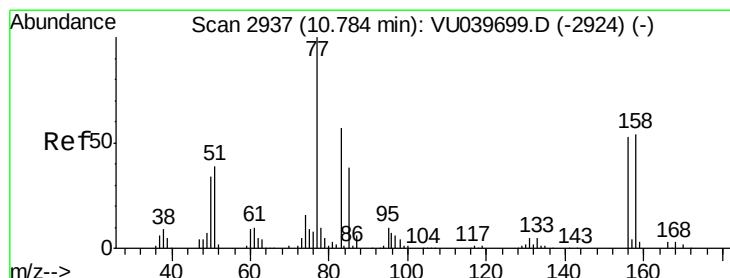
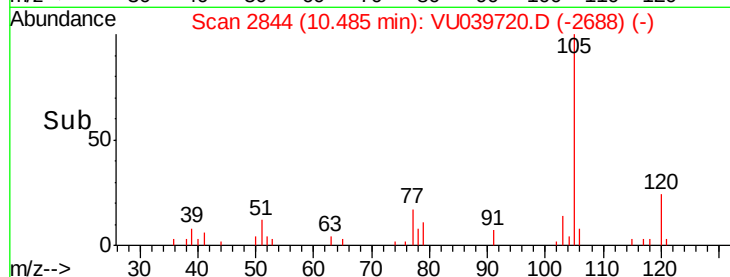
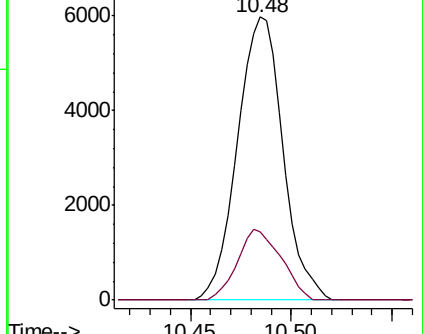
105 100

120 24.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 0.435 ug/l

RT: 10.79 min Scan# 2938

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

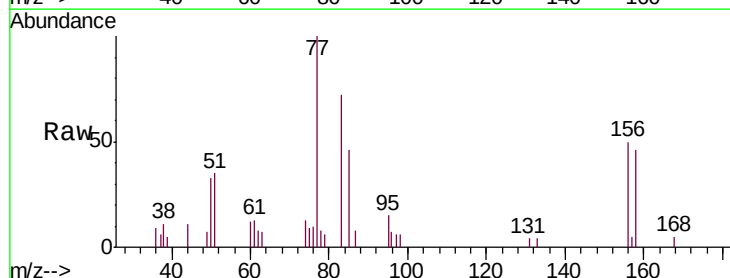
Tgt Ion: 83 Resp: 2960

Ion Ratio Lower Upper

83 100

131 3.3 7.0 10.6#

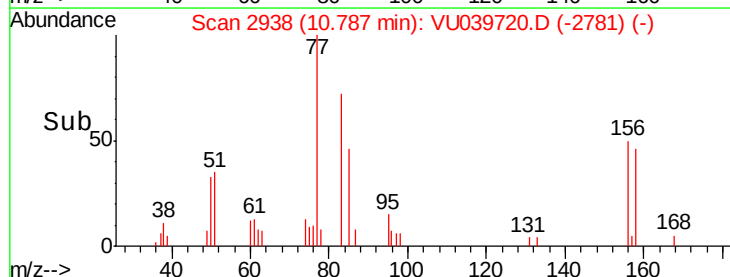
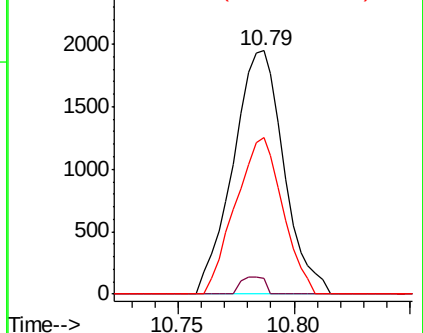
85 59.9 50.6 75.8

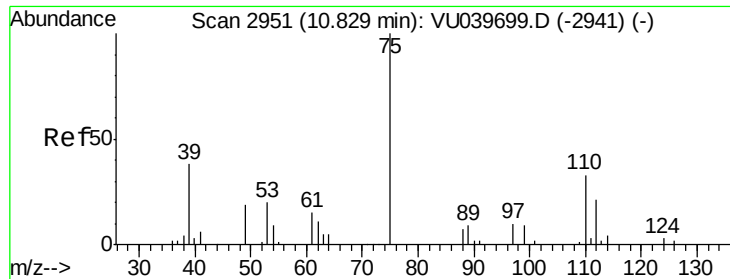


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

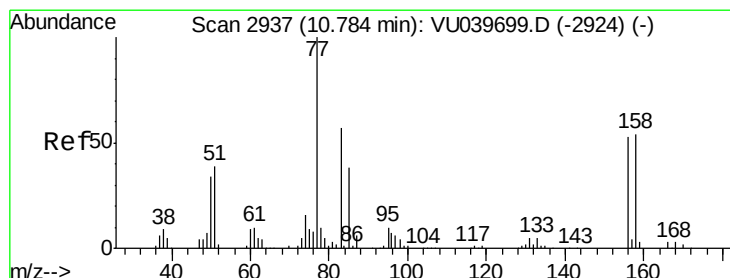
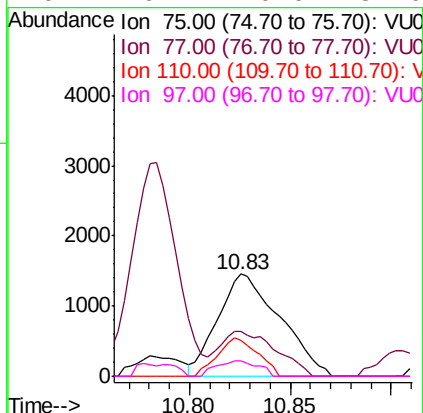
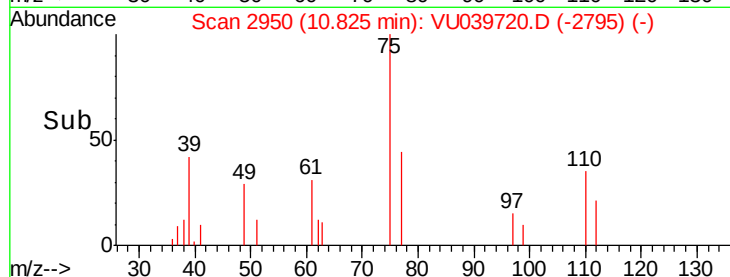
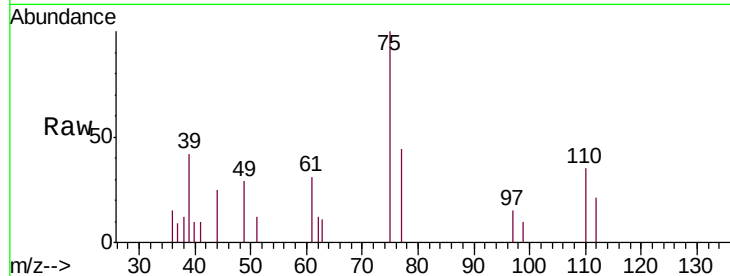




#71
 1,2,3-Trichloropropane
 Concen: 0.611 ug/l
 RT: 10.83 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

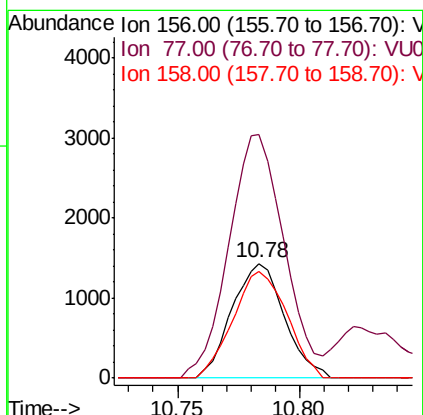
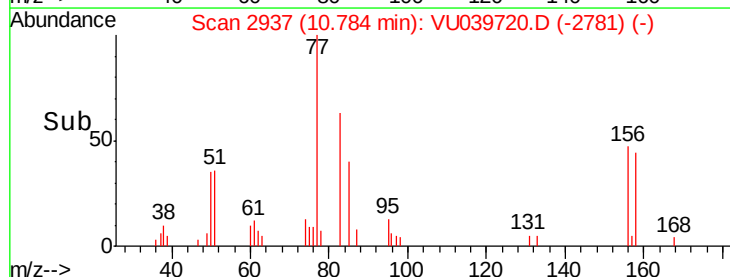
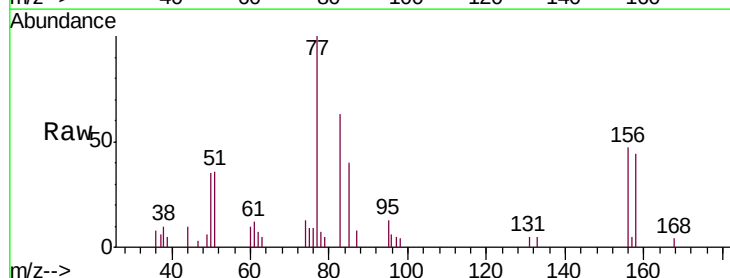
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

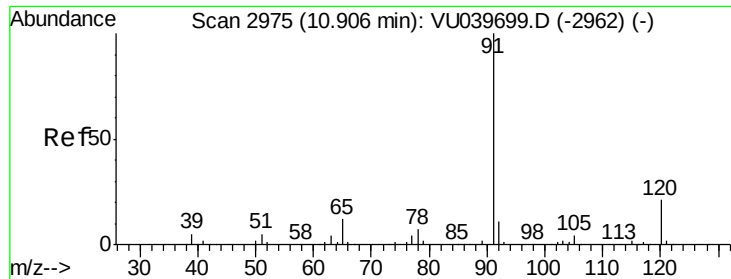
Tgt Ion:	75	Resp:	3132
Ion	Ratio	Lower	Upper
75	100		
77	39.4	0.0	91.0
110	24.0	0.0	64.2
97	10.1	0.0	32.6



#72
 Bromobenzene
 Concen: 0.352 ug/l
 RT: 10.78 min Scan# 2937
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Tgt Ion:	156	Resp:	2142
Ion	Ratio	Lower	Upper
156	100		
77	224.3	0.0	385.2
158	95.3	0.0	200.8

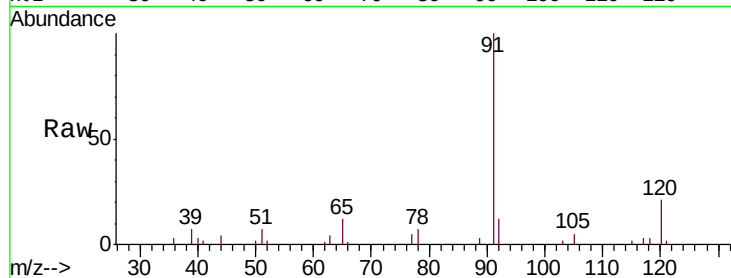




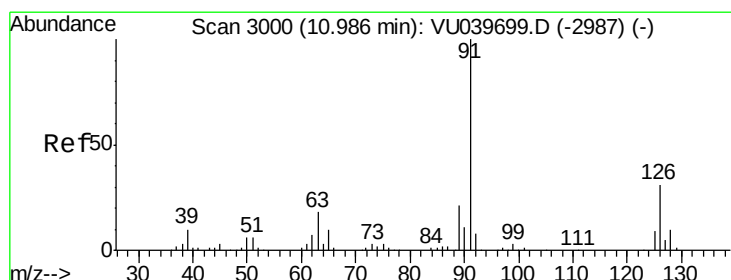
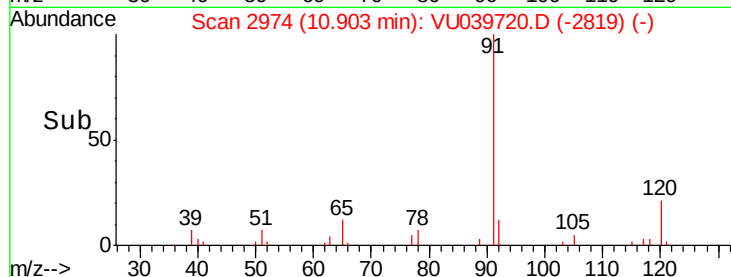
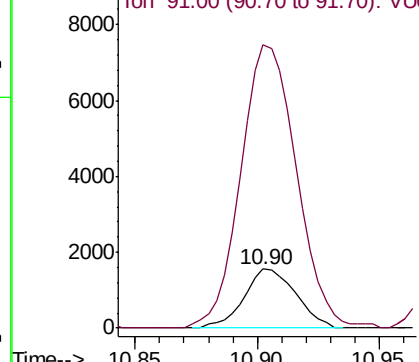
#73
n-propylbenzene
Concen: 0.304 ug/l
RT: 10.90 min Scan# 2974
Delta R.T. -0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tgt Ion:120 Resp: 2293
Ion Ratio Lower Upper
120 100
91 517.5 371.7 557.5

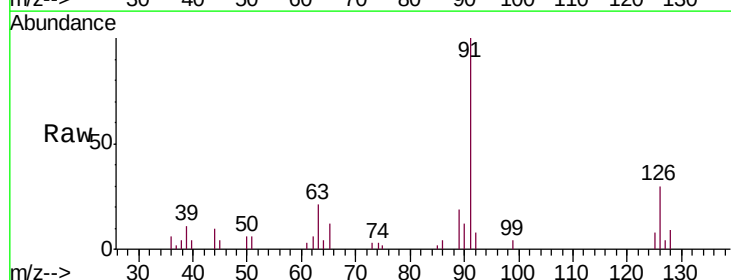


Abundance Ion 120.00 (119.70 to 120.70): V
Ion 91.00 (90.70 to 91.70): VU0

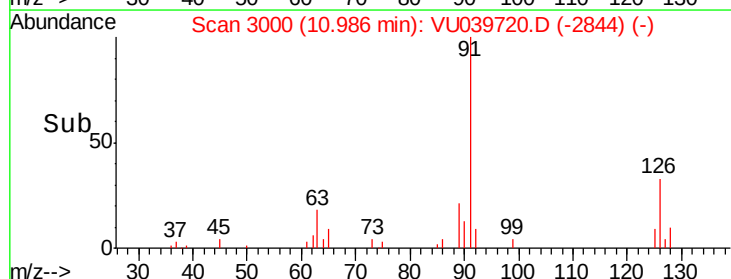
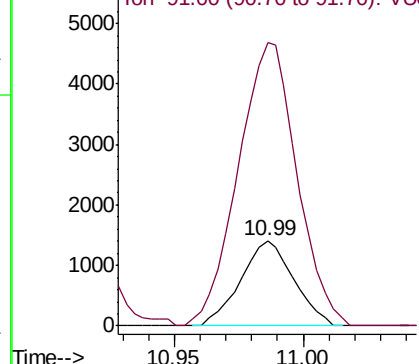


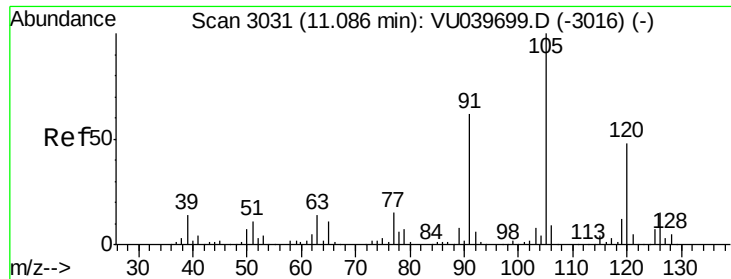
#74
2-Chlorotoluene
Concen: 0.317 ug/l
RT: 10.99 min Scan# 3000
Delta R.T. 0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

Tgt Ion:126 Resp: 2020
Ion Ratio Lower Upper
126 100
91 368.9 0.0 637.0



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





#75

1,3,5-Trimethylbenzene

Concen: 0.328 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

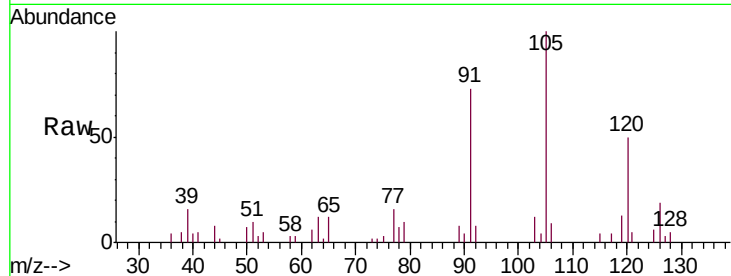
LOQ-WATER-02-QT3-2020

Tgt Ion:105 Resp: 7593

Ion Ratio Lower Upper

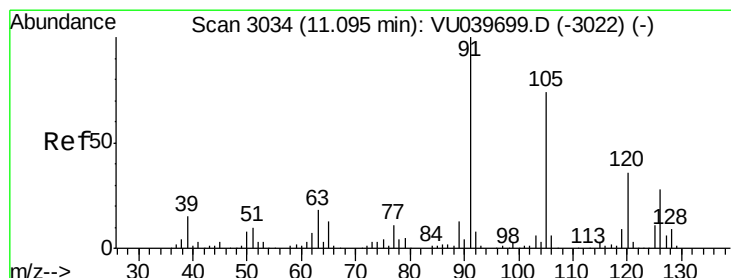
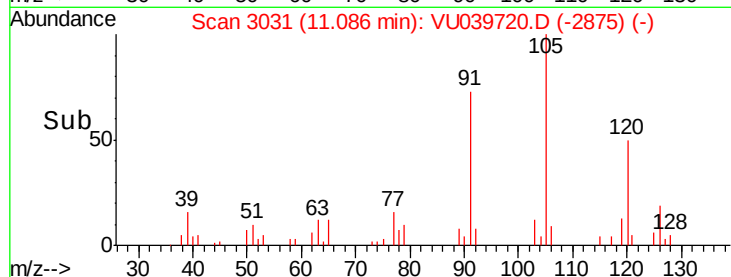
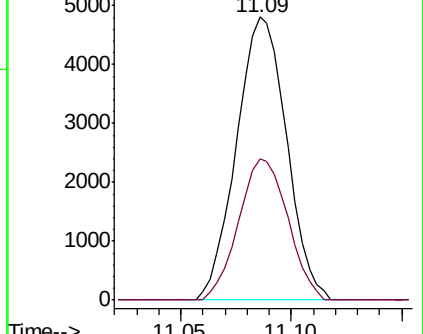
105 100

120 49.1 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.362 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. 0.00 min

Lab File: VU039720.D

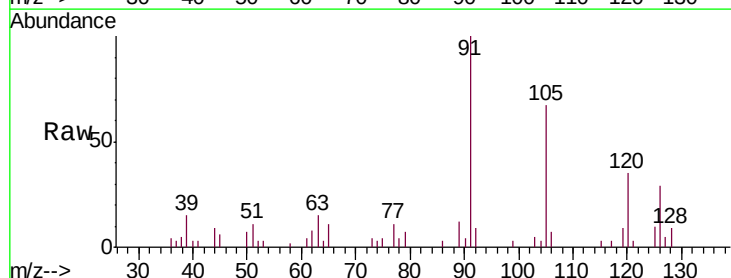
Acq: 30 Jul 2020 13:26

Tgt Ion:126 Resp: 2390

Ion Ratio Lower Upper

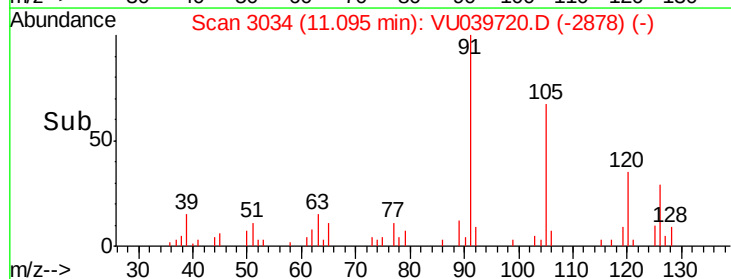
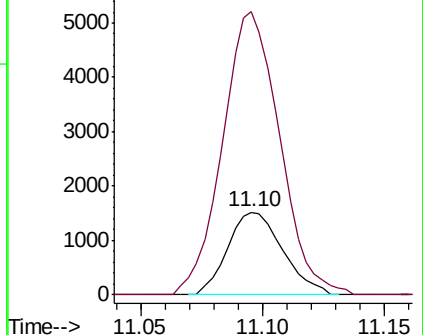
126 100

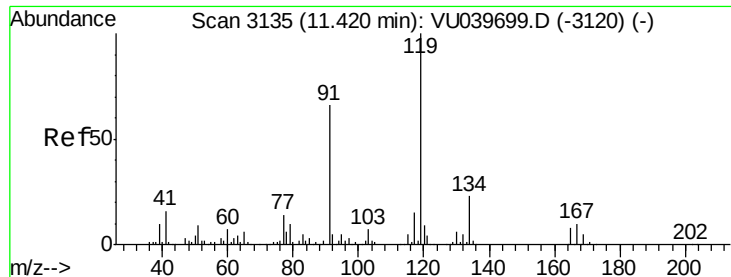
91 355.1 0.0 732.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

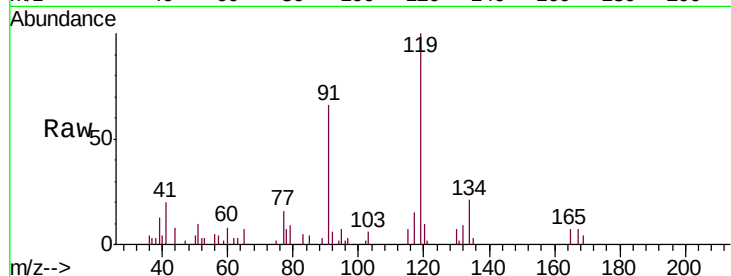




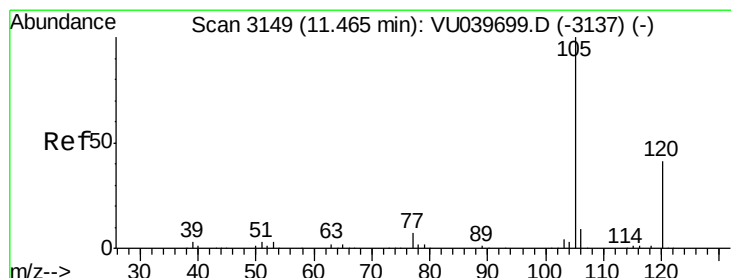
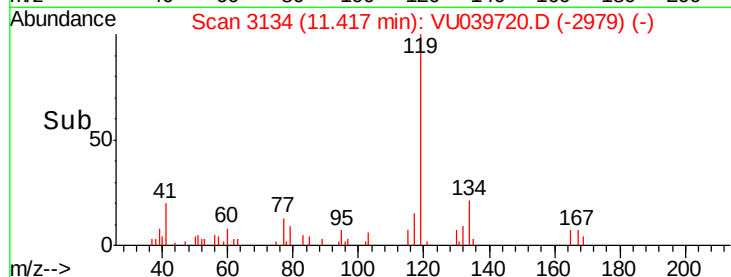
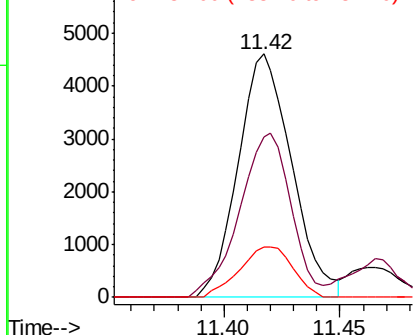
#77
 tert-Butylbenzene
 Concen: 0.333 ug/l
 RT: 11.42 min Scan# 3134
 Delta R.T. -0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tgt Ion:119 Resp: 7392
 Ion Ratio Lower Upper
 119 100
 91 64.8 31.9 95.5
 134 20.7 18.2 27.4

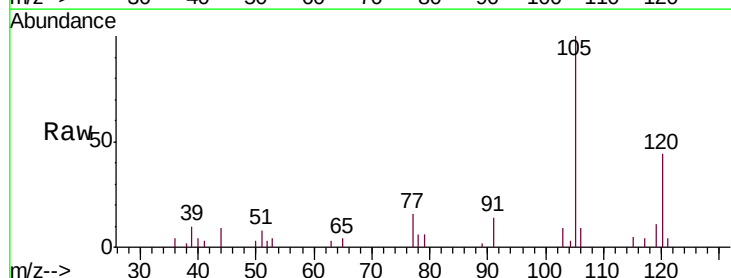


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU
 Ion 134.00 (133.70 to 134.70): V

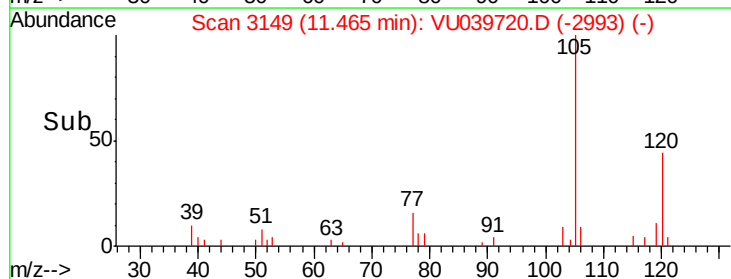
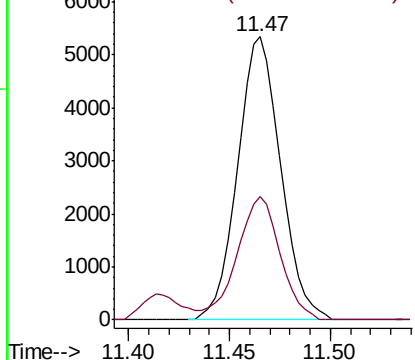


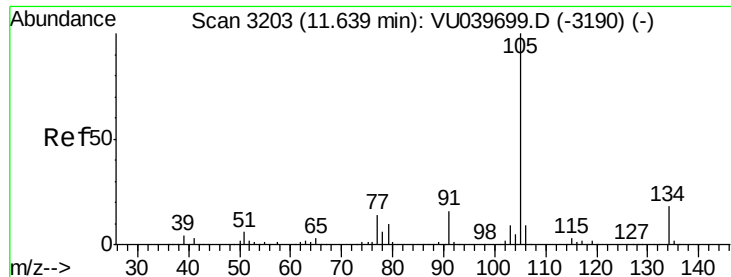
#78
 1,2,4-Trimethylbenzene
 Concen: 0.336 ug/l
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Tgt Ion:105 Resp: 7993
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.7 68.0



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





#79

sec-Butylbenzene

Concen: 0.322 ug/l

RT: 11.64 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

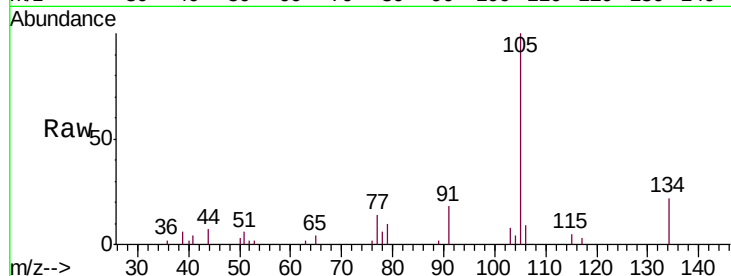
LOQ-WATER-02-QT3-2020

Tgt Ion: 105 Resp: 10198

Ion Ratio Lower Upper

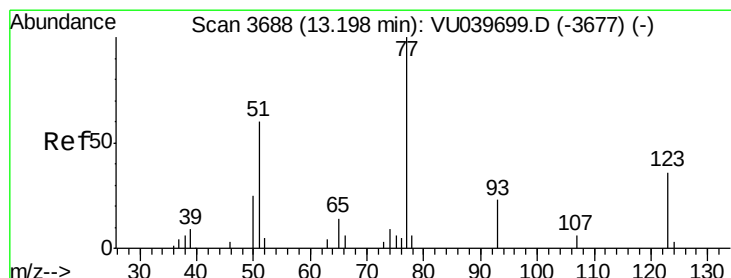
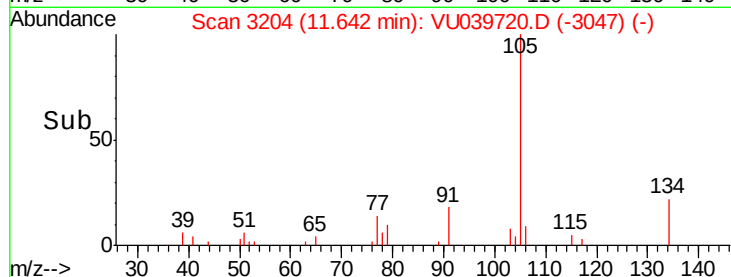
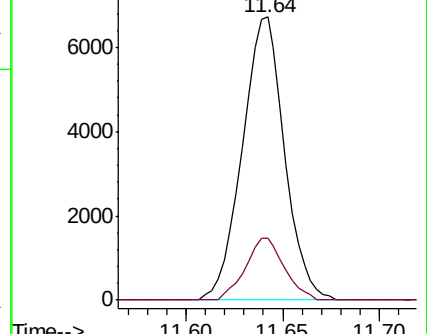
105 100

134 20.1 14.8 22.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 0.764 ug/l

RT: 13.20 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

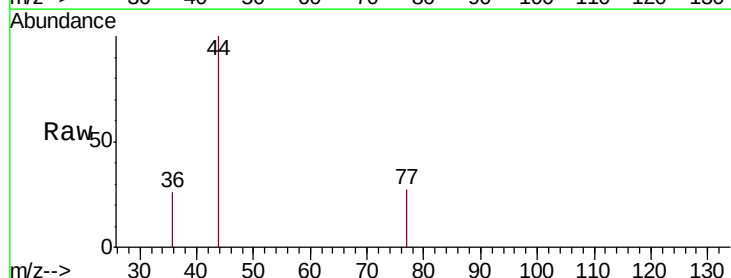
Tgt Ion: 77 Resp: 88

Ion Ratio Lower Upper

77 100

123 0.0 16.9 59.9#

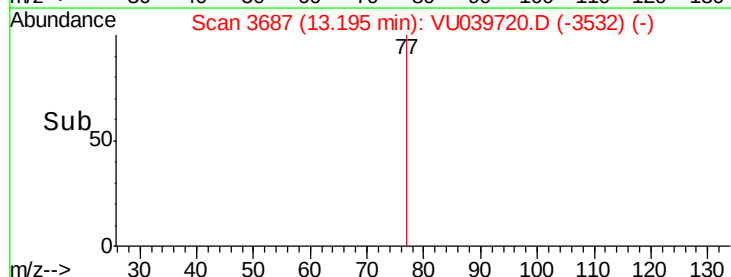
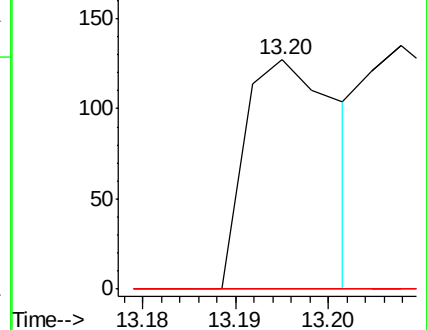
65 0.0 14.4 18.4#

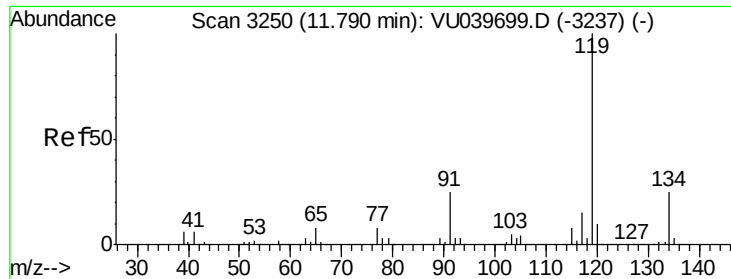


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

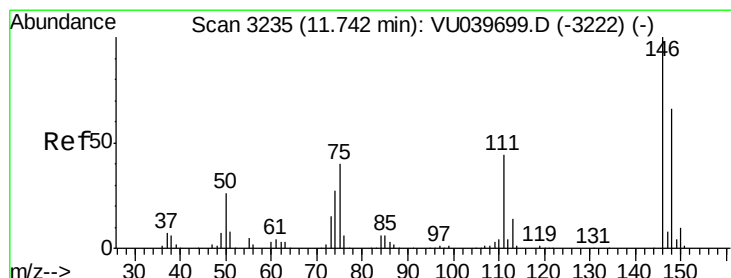
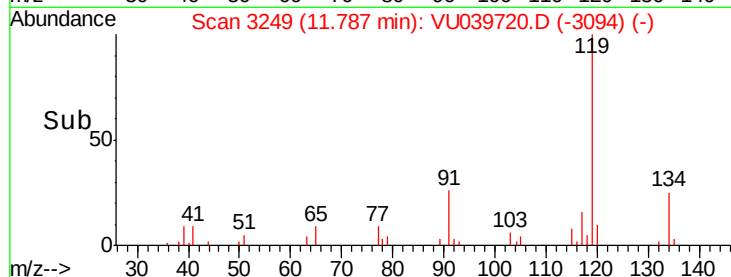
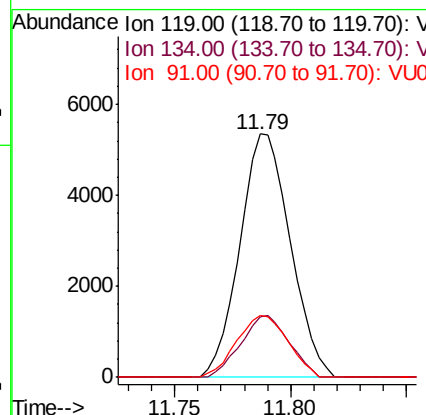
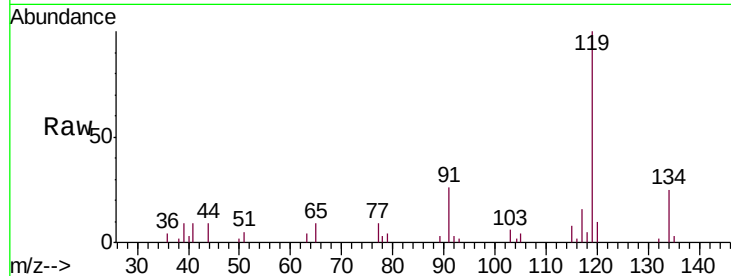




#81
p-Isopropyltoluene
Concen: 0.317 ug/l
RT: 11.79 min Scan# 3249
Delta R.T. -0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

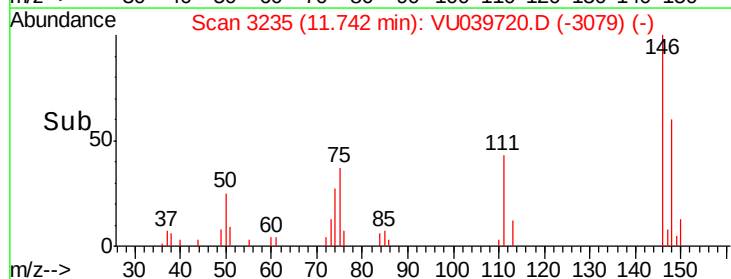
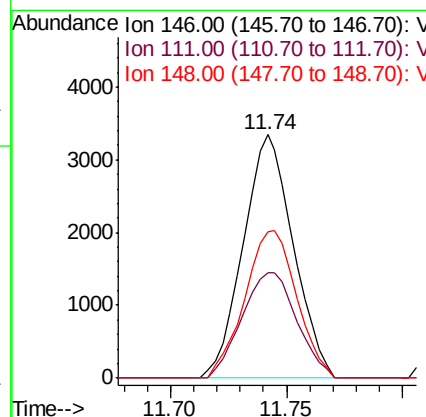
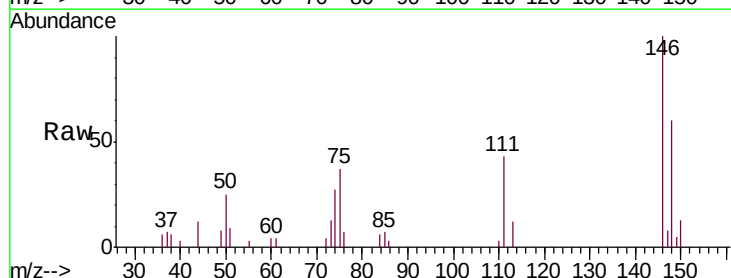
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2020

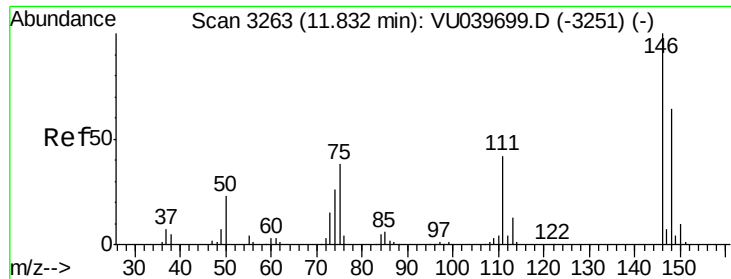
Tgt Ion:119 Resp: 8076
Ion Ratio Lower Upper
119 100
134 24.2 20.2 30.4
91 25.8 20.7 31.1



#82
1,3-Dichlorobenzene
Concen: 0.382 ug/l
RT: 11.74 min Scan# 3235
Delta R.T. 0.00 min
Lab File: VU039720.D
Acq: 30 Jul 2020 13:26

Tgt Ion:146 Resp: 5003
Ion Ratio Lower Upper
146 100
111 47.4 34.5 51.7
148 62.7 51.4 77.0

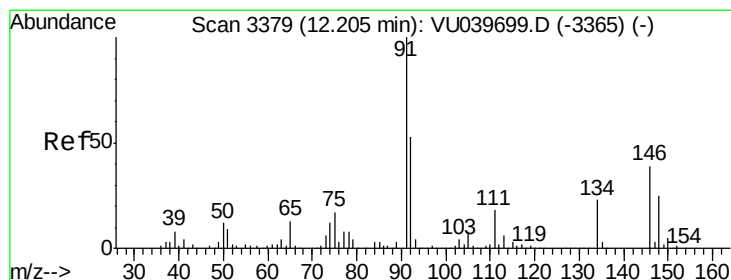
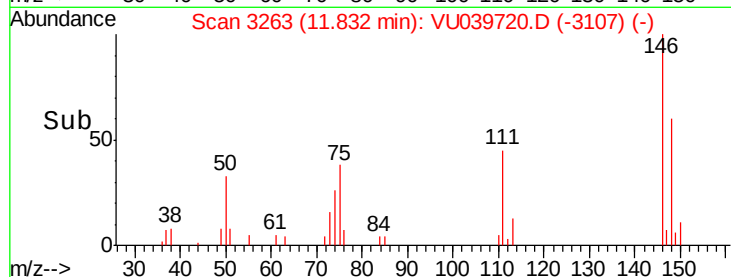
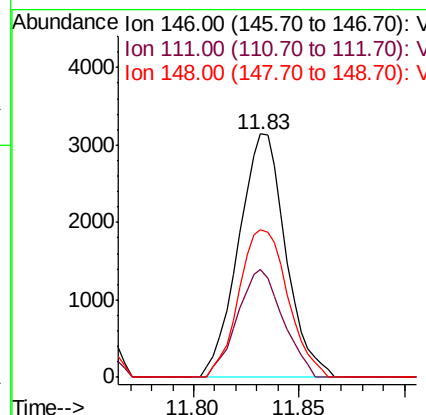
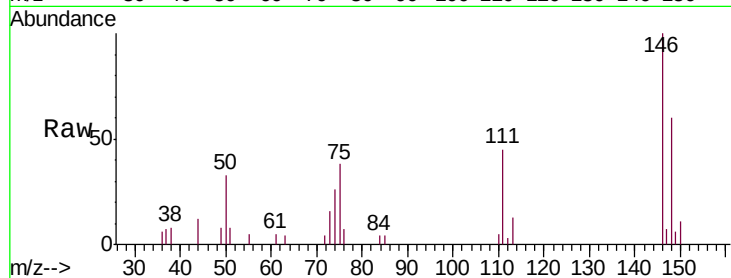




#83
 1,4-Dichlorobenzene
 Concen: 0.371 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

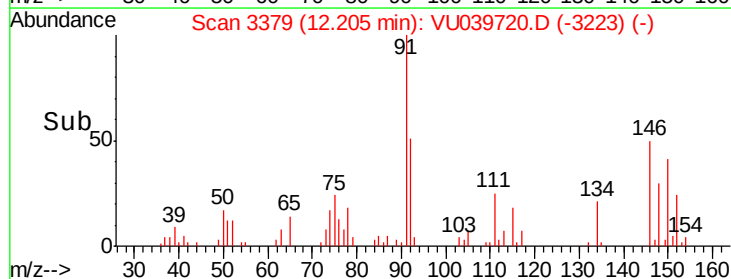
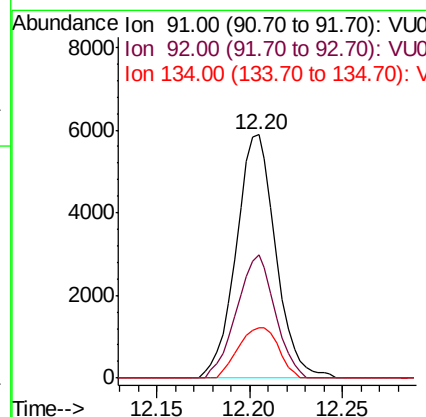
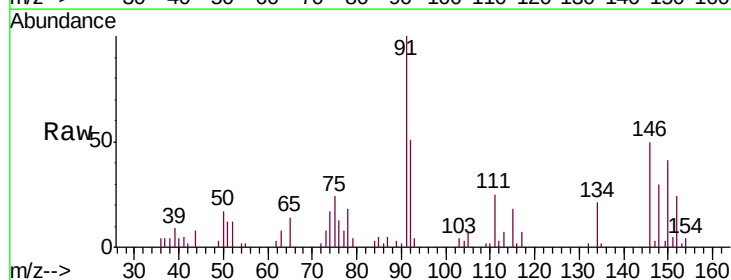
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

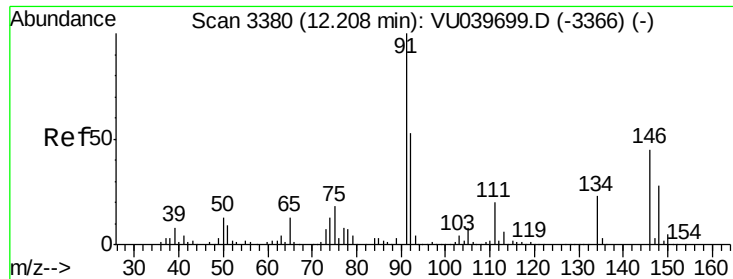
Tgt Ion: 146 Resp: 4888
 Ion Ratio Lower Upper
 146 100
 111 42.6 33.8 50.6
 148 63.0 51.1 76.7



#84
 n-Butylbenzene
 Concen: 0.321 ug/l
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Tgt Ion: 91 Resp: 8698
 Ion Ratio Lower Upper
 91 100
 92 49.0 42.6 64.0
 134 21.0 18.2 27.4

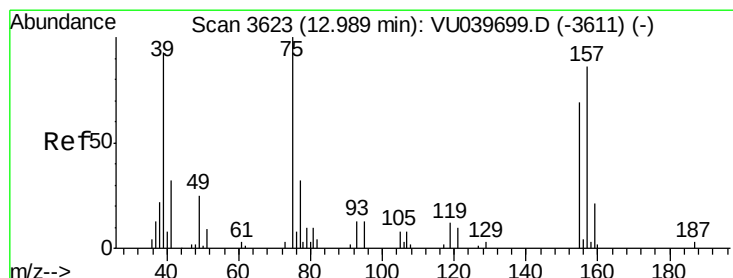
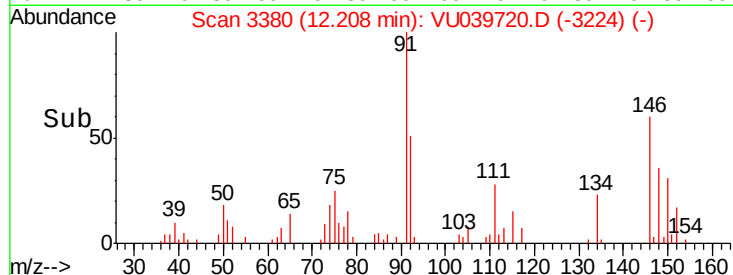
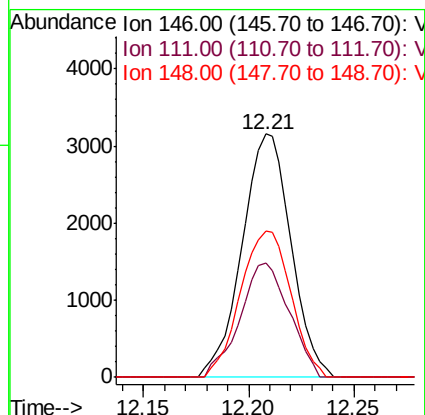
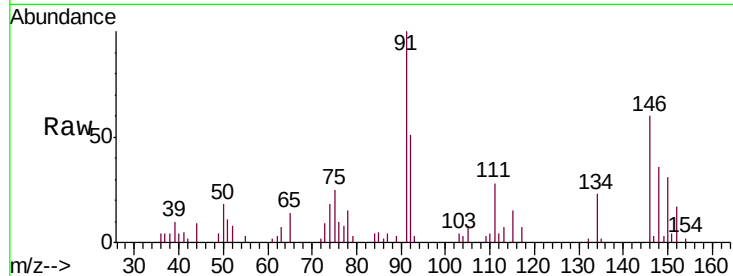




#85
 1,2-Dichlorobenzene
 Concen: 0.402 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

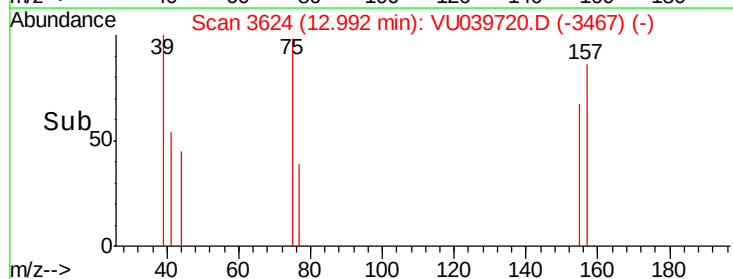
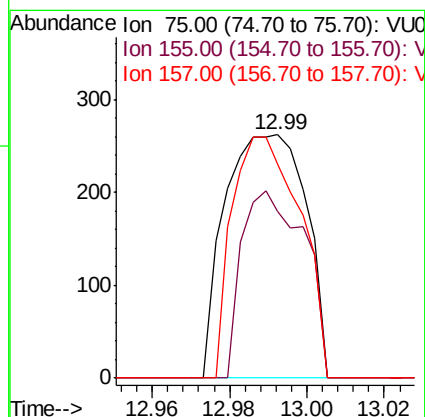
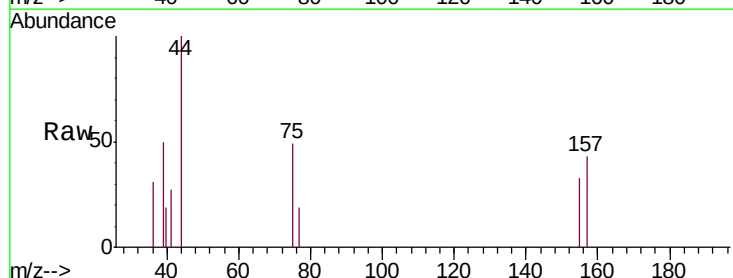
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

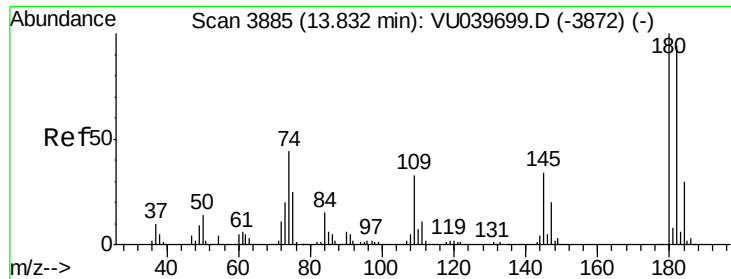
Tgt Ion: 146 Resp: 5083
 Ion Ratio Lower Upper
 146 100
 111 47.0 22.8 68.3
 148 61.7 31.7 95.1



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.332 ug/l
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Tgt Ion: 75 Resp: 381
 Ion Ratio Lower Upper
 75 100
 155 59.3 52.9 79.3
 157 83.2 67.8 101.6

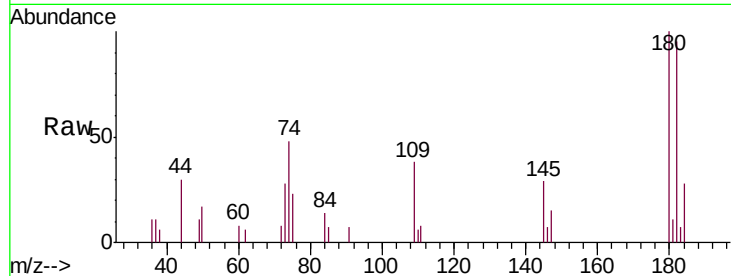




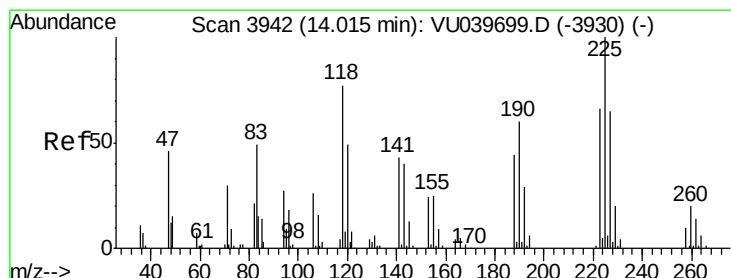
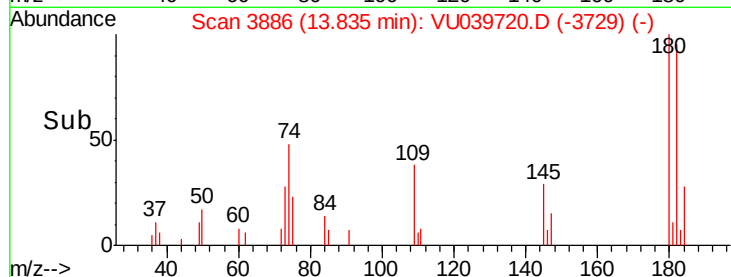
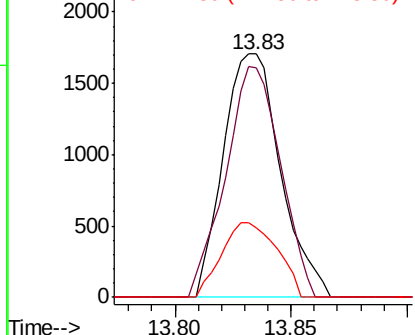
#87
 1,2,4-Trichlorobenzene
 Concen: 0.371 ug/l
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tgt Ion:180 Resp: 2934
 Ion Ratio Lower Upper
 180 100
 182 90.6 76.2 114.4
 145 29.6 26.8 40.2

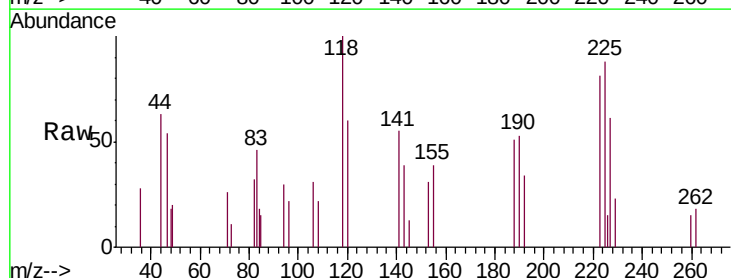


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

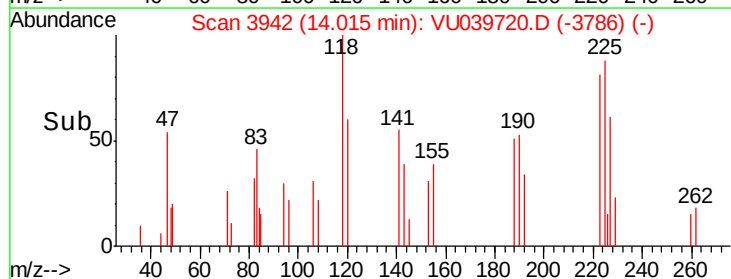
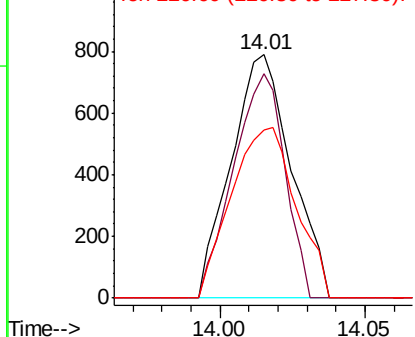


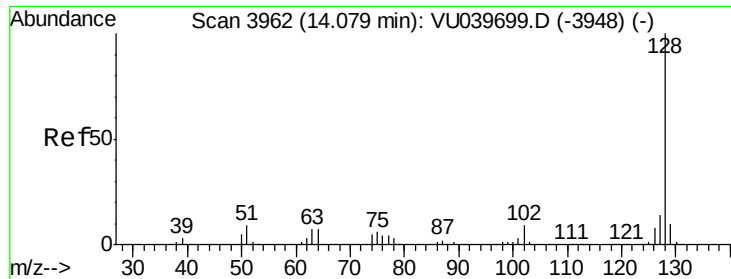
#88
 Hexachlorobutadiene
 Concen: 0.317 ug/l
 RT: 14.01 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VU039720.D
 Acq: 30 Jul 2020 13:26

Tgt Ion:225 Resp: 1138
 Ion Ratio Lower Upper
 225 100
 223 78.6 52.4 78.6
 227 75.2 50.7 76.1



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





#89

Naphthalene

Concen: 0.324 ug/l

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2020

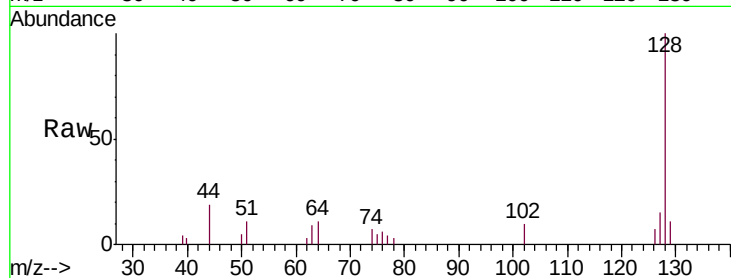
Tgt Ion:128 Resp: 5469

Ion Ratio Lower Upper

128 100

127 12.9 11.0 16.4

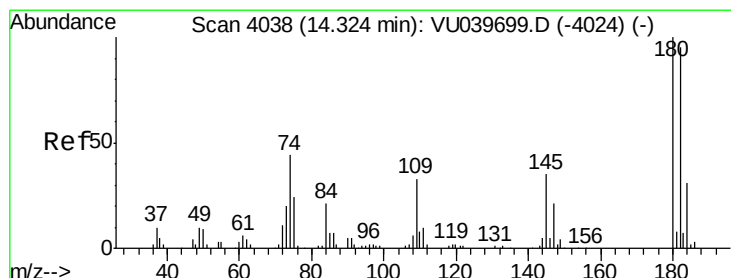
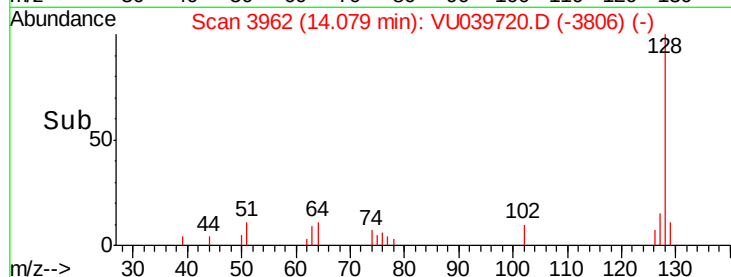
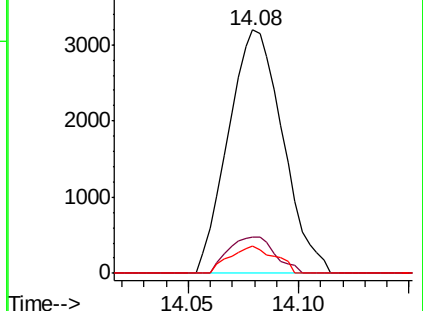
129 9.4 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 0.344 ug/l

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039720.D

Acq: 30 Jul 2020 13:26

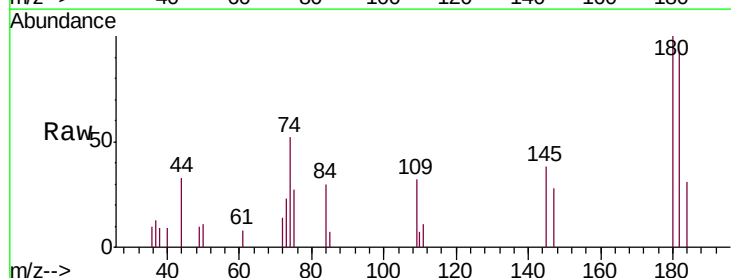
Tgt Ion:180 Resp: 2567

Ion Ratio Lower Upper

180 100

182 89.1 76.0 114.0

145 33.5 27.8 41.6



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

