

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031020\
 Data File : VU037147.D
 Acq On : 10 Mar 2020 12:10
 Operator : JC/MD
 Sample : L1161-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Quant Time: Mar 10 12:35:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 15:46:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	14380	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	5104	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	5328	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	3669	0.523	ug/l	97
3) Chloromethane	1.54	50	4055	0.581	ug/l	98
4) Vinyl Chloride	1.62	62	3198	0.521	ug/l	98
5) Bromomethane	1.87	94	1285	0.601	ug/l	88
6) Chloroethane	1.95	64	1630	0.555	ug/l	98
7) Trichlorofluoromethane	2.16	101	4006	0.537	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	1976	0.565	ug/l	96
9) 1,1-Dichloroethene	2.61	96	1700	0.511	ug/l	91
10) Iodomethane	2.74	142	315	0.492	ug/l	92
11) Allyl Chloride	2.95	41	3581	0.555	ug/l #	62
12) Acrylonitrile	3.37	53	883	1.123	ug/l #	66
13) Acetone	2.68	43	2744	3.139	ug/l #	74
14) Carbon Disulfide	2.82	76	6032	0.545	ug/l #	94
15) Methylene Chloride	3.08	84	2099	0.503	ug/l	87
16) trans-1,2-Dichloroethene	3.38	96	1912	0.541	ug/l	96
17) 1,1-Dichloroethane	3.91	63	4568	0.558	ug/l #	94
18) 2-Butanone	4.78	43	3540	2.649	ug/l	75
19) Cyclohexane	5.42	56	3169	0.455	ug/l	96
20) Methylcyclohexane	6.79	83	2983	0.433	ug/l #	87
21) 2,2-Dichloropropane	4.70	77	3991	0.534	ug/l #	67
22) cis-1,2-Dichloroethene	4.71	96	2426	0.555	ug/l	89
23) Diethyl Ether	2.40	59	1416	0.503	ug/l #	86
24) tert-Butyl Alcohol	3.28	59	1816	5.896	ug/l #	72
25) Methyl tert-Butyl Ether	3.42	73	5345	0.549	ug/l	95
26) Bromochloromethane	5.01	128	1014	0.527	ug/l	82
27) Chloroform	5.13	83	4780	0.542	ug/l	94
28) 1,1,1-Trichloroethane	5.36	97	3978	0.529	ug/l	93
29) 1,1-Dichloropropene	5.56	75	2909	0.476	ug/l	95
30) Carbon Tetrachloride	5.56	117	3125	0.475	ug/l	99
31) Isopropyl Ether	4.05	45	6169	0.472	ug/l	78
32) Ethyl-t-butyl ether	4.55	59	6064	0.491	ug/l	95
33) Tert-Amyl methyl ether	5.99	73	5262	0.497	ug/l	93
34) Propionitrile	4.86	54	928	2.640	ug/l #	62
35) Benzene	5.81	78	9130	0.526	ug/l	91
36) 1,2-Dichloroethane	5.83	62	3229	0.513	ug/l #	87
37) Trichloroethene	6.57	130	2414	0.530	ug/l	85
38) 1,2-Dichloropropane	6.83	63	2384	0.501	ug/l	96
39) Methacrylonitrile	5.03	41	798	0.471	ug/l #	62
40) Methyl acrylate	4.90	55	654	0.279	ug/l #	59
41) Tetrahydrofuran	5.12	42	862	1.019	ug/l #	55
42) 1-Chlorobutane	5.50	56	4400	0.500	ug/l	79

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

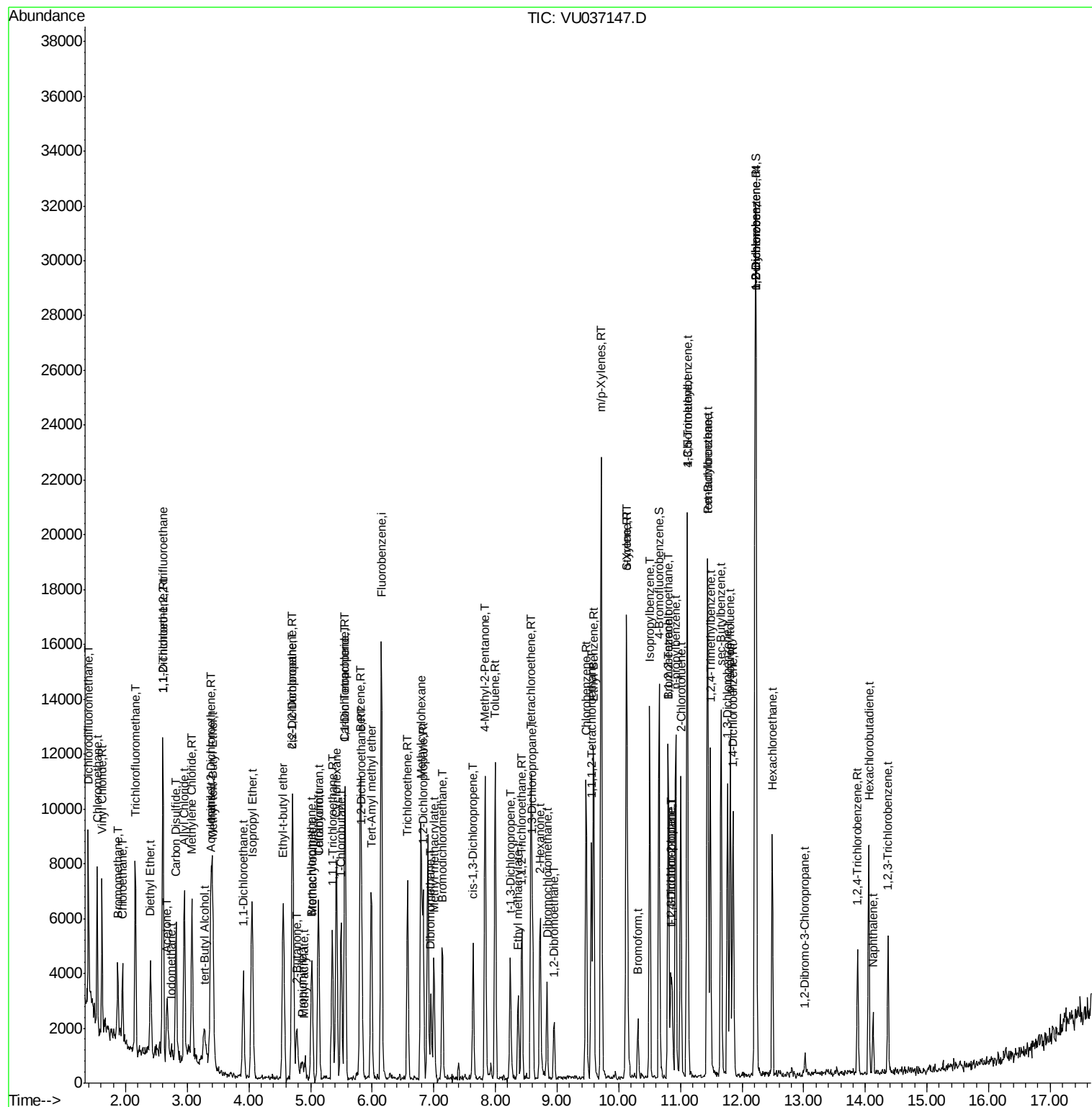
43) Dibromomethane	6.95	93	1280	0.524	ug/l #	86
44) Bromodichloromethane	7.14	83	3142	0.494	ug/l	99
45) 4-Methyl-2-Pentanone	7.83	43	8381	2.560	ug/l #	80
46) t-1,4-Dichloro-2-butene	10.84	75	2564	2.862	ug/l #	55
47) Methyl methacrylate	7.00	69	1787	0.886	ug/l #	62
48) Ethyl methacrylate	8.37	69	1603	0.402	ug/l	67
49) Toluene	8.00	92	4836	0.462	ug/l	97
50) t-1,3-Dichloropropene	8.24	75	2585	0.452	ug/l	97
51) cis-1,3-Dichloropropene	7.63	75	2891	0.442	ug/l #	83
52) 1,1,2-Trichloroethane	8.43	97	1882	0.578	ug/l #	83
53) 1,3-Dichloropropane	8.60	76	2957	0.512	ug/l	97
54) 2-Hexanone	8.72	43	4903	2.174	ug/l	80
55) Dibromochloromethane	8.83	129	1997	0.495	ug/l	98
56) 1,2-Dibromoethane	8.95	107	1467	0.476	ug/l	100
58) Tetrachloroethene	8.58	164	2273	0.532	ug/l	89
59) Chlorobenzene	9.47	112	6079	0.520	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.56	131	2230	0.521	ug/l	95
61) Pentachloroethane	11.44	117	1807	0.553	ug/l	82
62) Hexachloroethane	12.49	117	1574	0.450	ug/l	85
63) Ethyl Benzene	9.59	91	8758	0.439	ug/l	93
64) m/p-Xylenes	9.72	106	6572	0.870	ug/l	98
65) o-Xylene	10.12	106	3006	0.412	ug/l	81
66) Styrene	10.14	104	4475	0.375	ug/l #	91
67) Bromoform	10.31	173	900	0.423	ug/l #	91
69) Isopropylbenzene	10.50	105	8154	0.410	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.80	83	2060	0.481	ug/l #	99
71) 1,2,3-Trichloropropane	10.84	75	2564	0.732	ug/l	63
72) Bromobenzene	10.80	156	2104	0.438	ug/l	82
73) n-propylbenzene	10.92	120	2032	0.386	ug/l #	63
74) 2-Chlorotoluene	11.01	126	1723	0.361	ug/l	48
75) 1,3,5-Trimethylbenzene	11.11	105	7230	0.420	ug/l	99
76) 4-Chlorotoluene	11.12	126	1974	0.411	ug/l	82
77) tert-Butylbenzene	11.44	119	7038	0.420	ug/l	94
78) 1,2,4-Trimethylbenzene	11.48	105	6768	0.390	ug/l	93
79) sec-Butylbenzene	11.66	105	9454	0.414	ug/l	95
81) p-Isopropyltoluene	11.81	119	6967	0.387	ug/l #	92
82) 1,3-Dichlorobenzene	11.77	146	4738	0.497	ug/l	97
83) 1,4-Dichlorobenzene	11.86	146	4268	0.442	ug/l	98
84) n-Butylbenzene	12.23	91	6469	0.380	ug/l #	90
85) 1,2-Dichlorobenzene	12.23	146	4283	0.465	ug/l	92
86) 1,2-Dibromo-3-Chloropropan	13.02	75	257	0.340	ug/l #	58
87) 1,2,4-Trichlorobenzene	13.88	180	1785	0.385	ug/l	85
88) Hexachlorobutadiene	14.05	225	1357	0.473	ug/l	91
89) Naphthalene	14.13	128	2272	0.534	ug/l #	91
90) 1,2,3-Trichlorobenzene	14.37	180	1645	0.365	ug/l	97

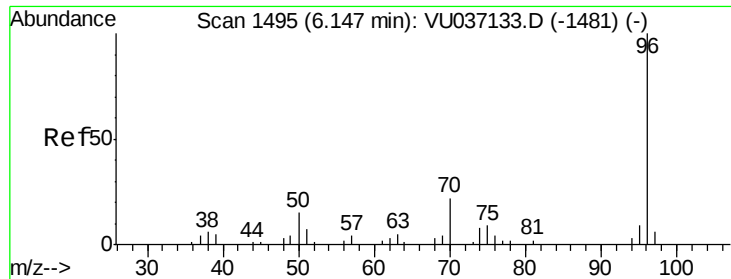
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 96 Resp: 14380

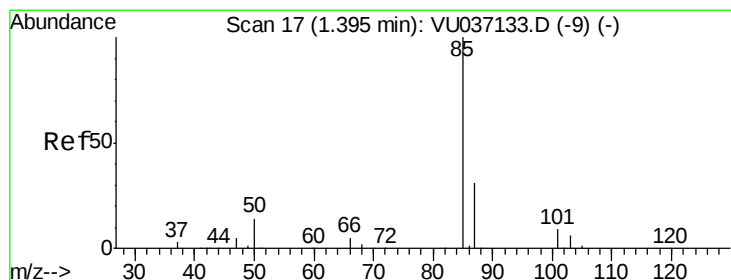
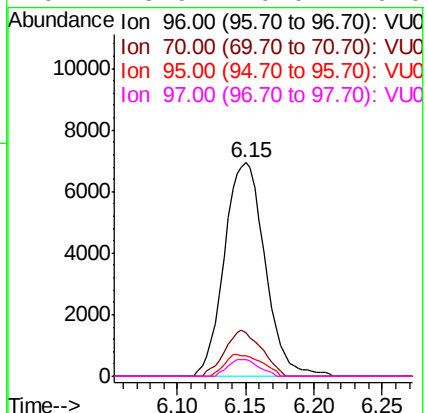
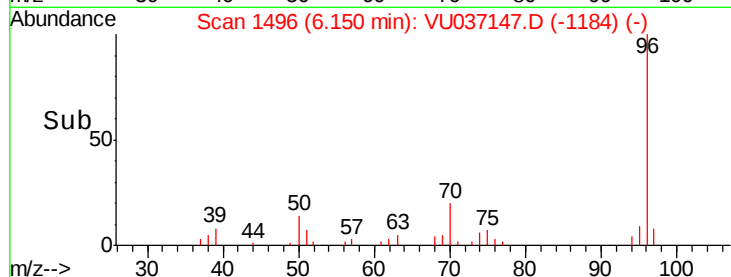
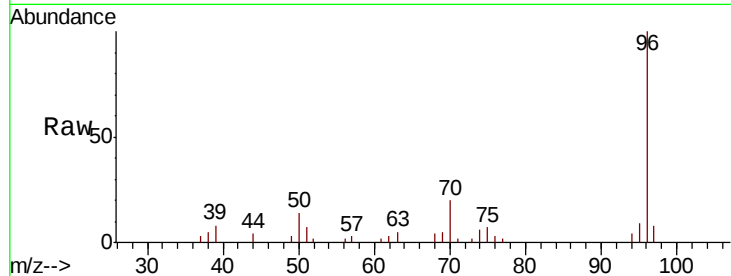
Ion Ratio Lower Upper

96 100

70 19.2 15.6 23.4

95 9.1 7.0 10.6

97 5.9 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.523 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037147.D

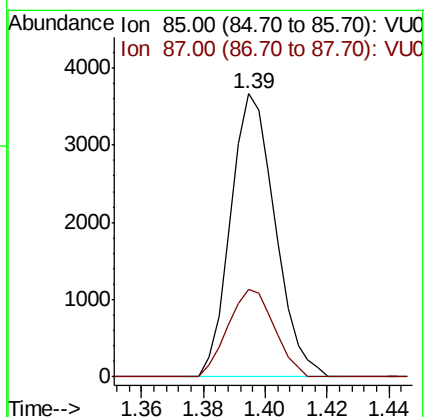
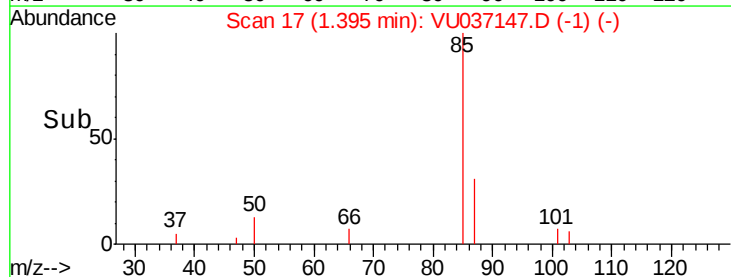
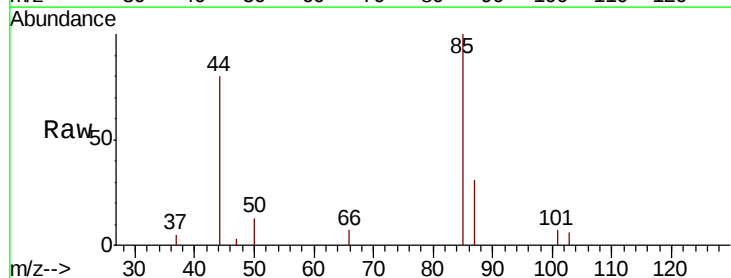
Acq: 10 Mar 2020 12:10

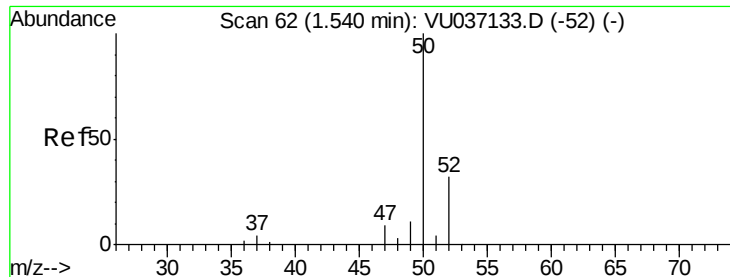
Tgt Ion: 85 Resp: 3669

Ion Ratio Lower Upper

85 100

87 31.1 16.4 49.2





#3

Chloromethane

Concen: 0.581 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

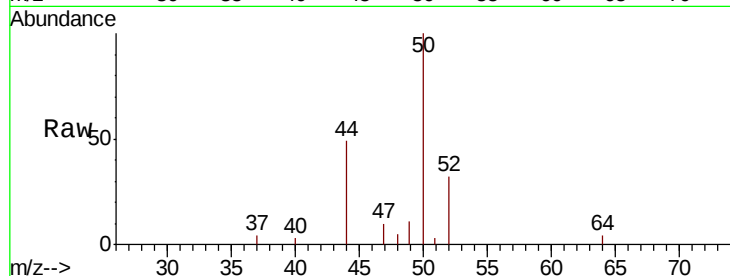
LOQ-WATER-02-QT1-2020

Tot Ion: 50 Resp: 4055

Ion Ratio Lower Upper

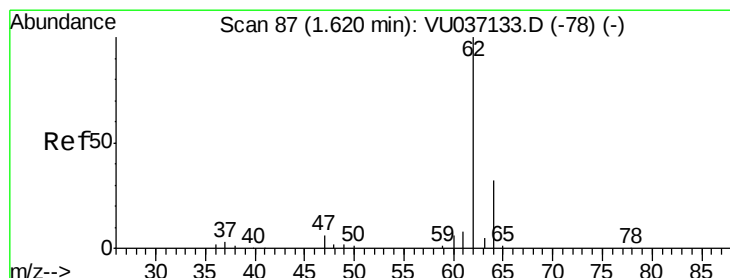
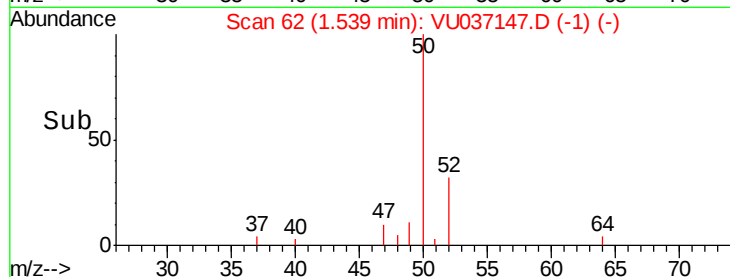
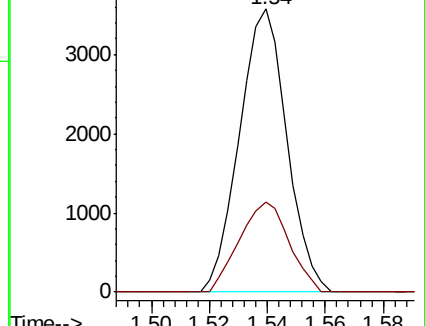
50 100

52 31.6 26.0 39.0



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

Ion 52.00 (51.70 to 52.70): VU037133.D (-52) (-)



#4

Vinyl Chloride

Concen: 0.521 ug/l

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037147.D

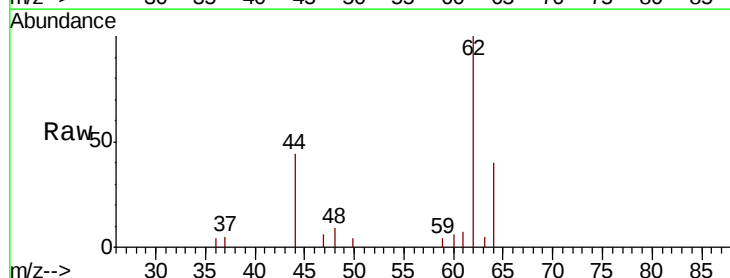
Acq: 10 Mar 2020 12:10

Tgt Ion: 62 Resp: 3198

Ion Ratio Lower Upper

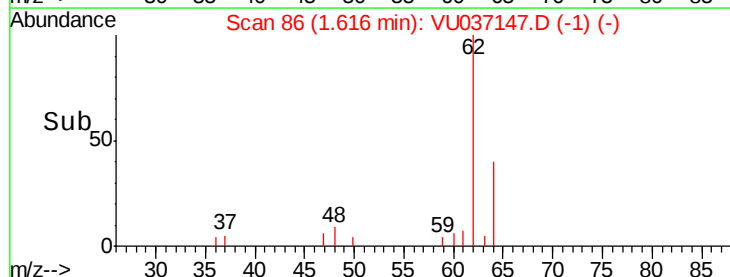
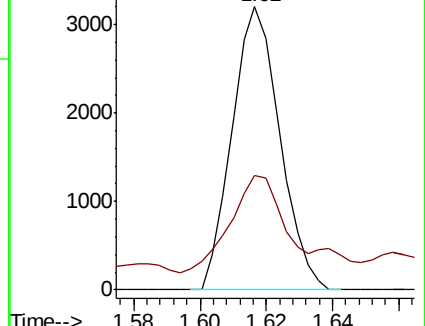
62 100

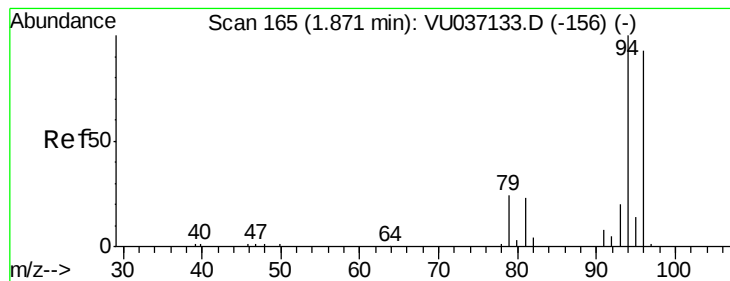
64 33.0 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VU037133.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037133.D (-78) (-)





#5

Bromomethane

Concen: 0.601 ug/l

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

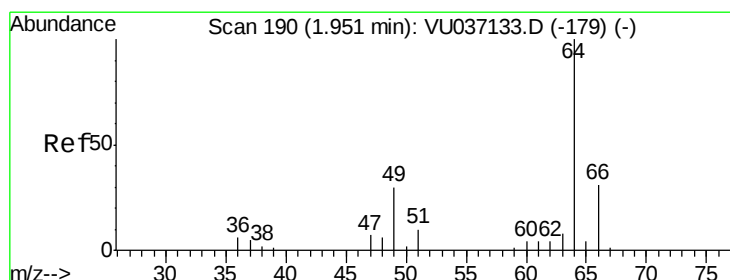
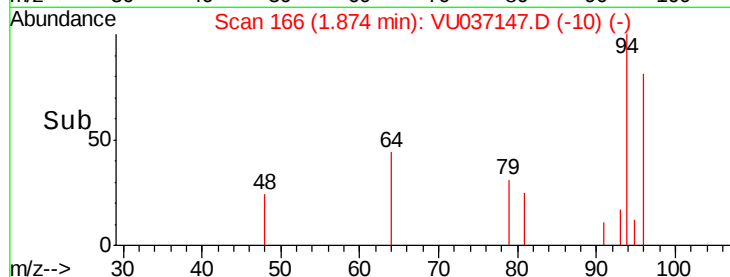
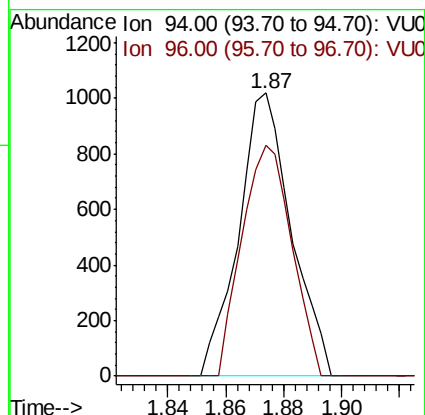
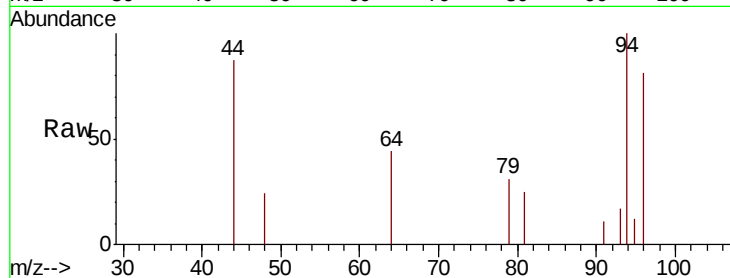
LOQ-WATER-02-QT1-2020

Tot Ion: 94 Resp: 1285

Ion Ratio Lower Upper

94 100

96 81.5 74.6 112.0



#6

Chloroethane

Concen: 0.555 ug/l

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037147.D

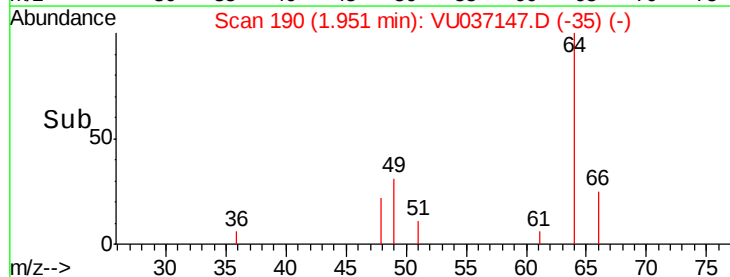
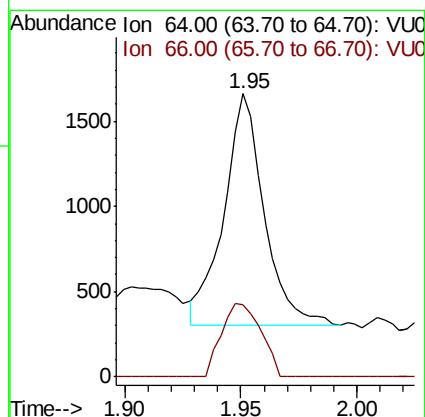
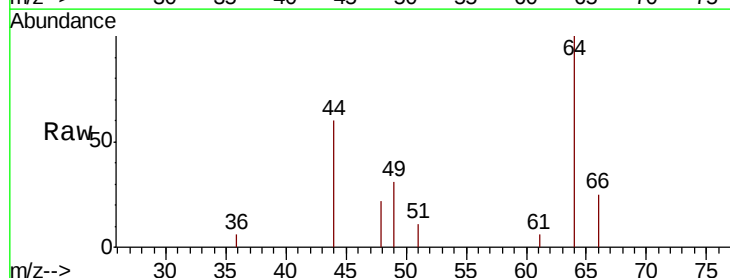
Acq: 10 Mar 2020 12:10

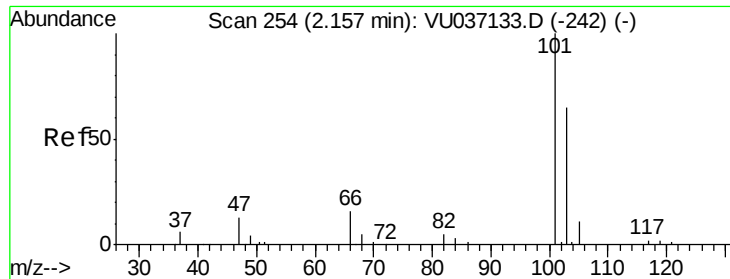
Tgt Ion: 64 Resp: 1630

Ion Ratio Lower Upper

64 100

66 31.0 25.5 38.3



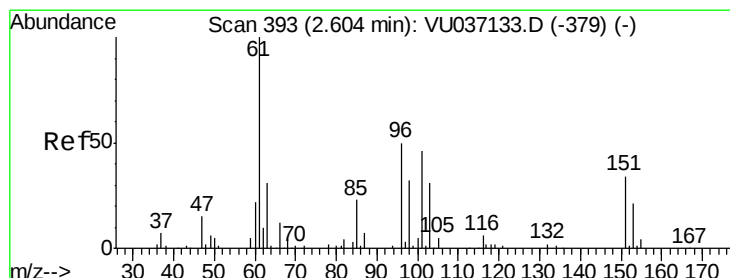
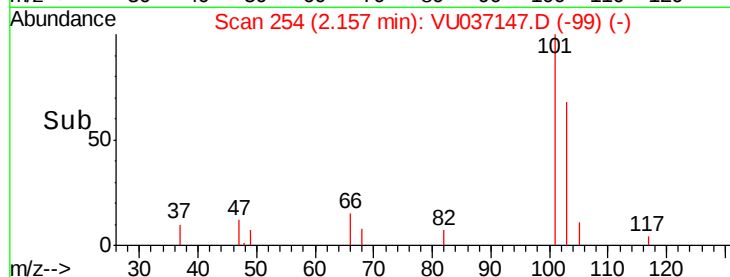
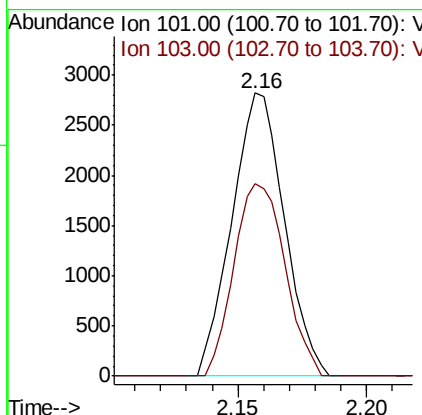
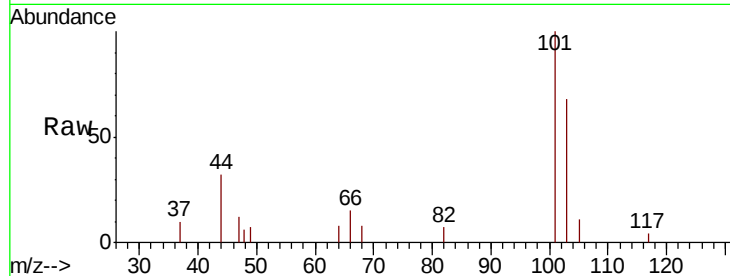


#7

Trichlorofluoromethane
 Concen: 0.537 ug/l
 RT: 2.16 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VU037147.D
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Instrument :
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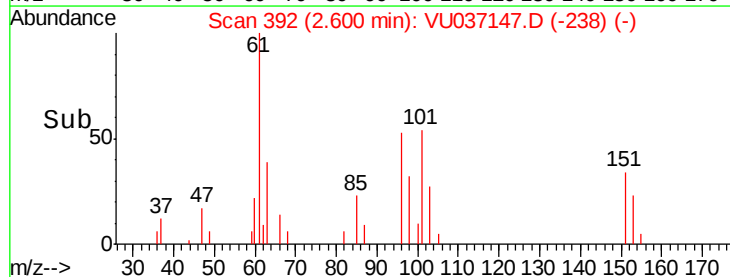
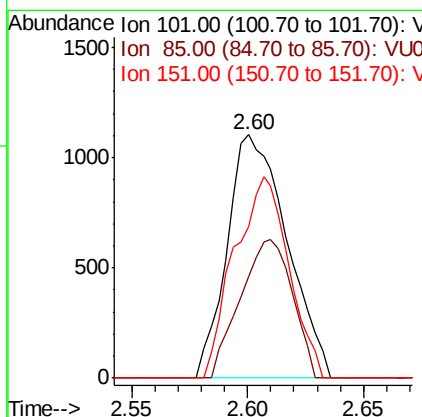
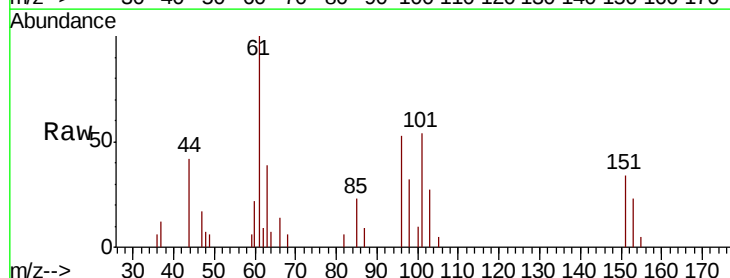
Tot Ion:101 Resp: 4006
 Ion Ratio Lower Upper
 101 100
 103 68.0 53.0 79.6

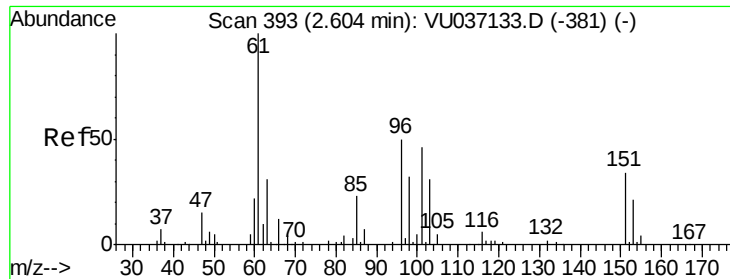


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.565 ug/l
 RT: 2.60 min Scan# 392
 Delta R.T. -0.00 min
 Lab File: VU037147.D
 Acq: 10 Mar 2020 12:10

Tgt Ion:101 Resp: 1976
 Ion Ratio Lower Upper
 101 100
 85 49.6 33.9 50.9
 151 75.0 59.8 89.8





#9

1,1-Dichloroethene

Concen: 0.511 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2020

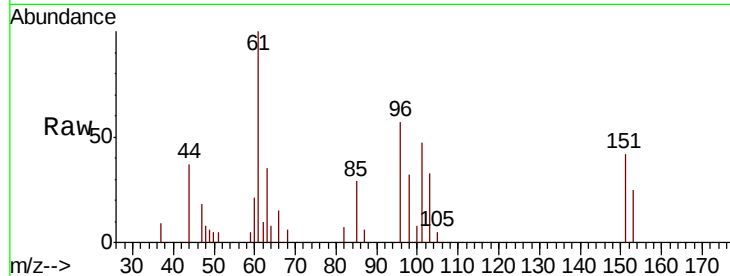
Tot Ion: 96 Resp: 1700

Ion Ratio Lower Upper

96 100

61 164.7 0.0 463.2

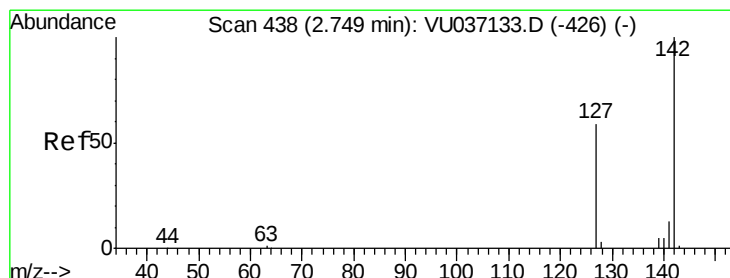
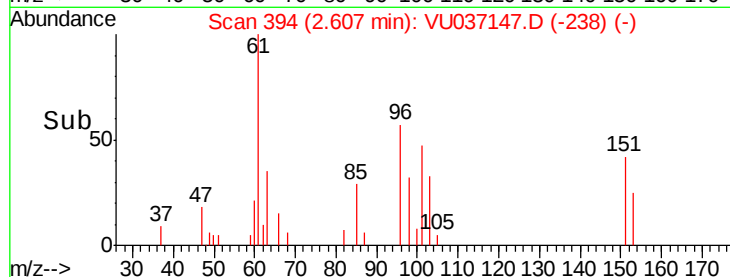
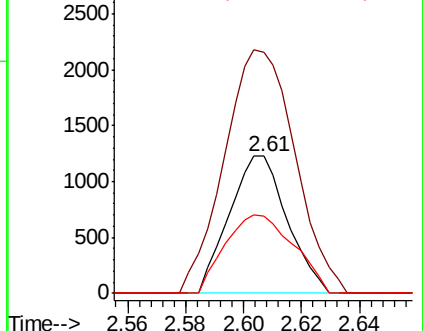
98 56.6 0.0 130.0



Abundance Ion 96.00 (95.70 to 96.70): VU037133.D (-381) (-)

Ion 61.00 (60.70 to 61.70): VU037133.D (-381) (-)

Ion 98.00 (97.70 to 98.70): VU037133.D (-381) (-)



#10

Iodomethane

Concen: 0.492 ug/l

RT: 2.74 min Scan# 436

Delta R.T. -0.01 min

Lab File: VU037147.D

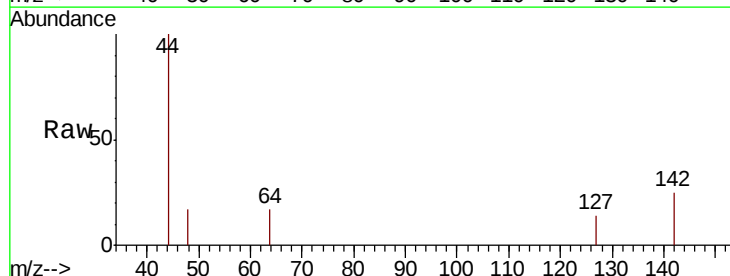
Acq: 10 Mar 2020 12:10

Tgt Ion: 142 Resp: 315

Ion Ratio Lower Upper

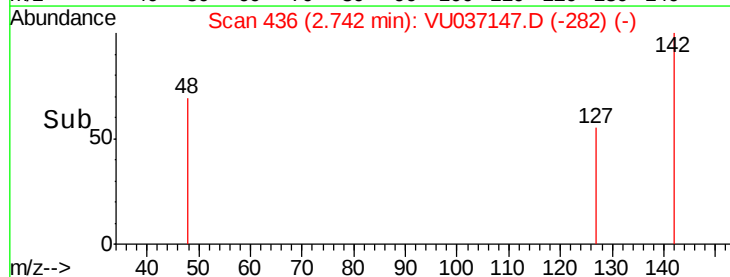
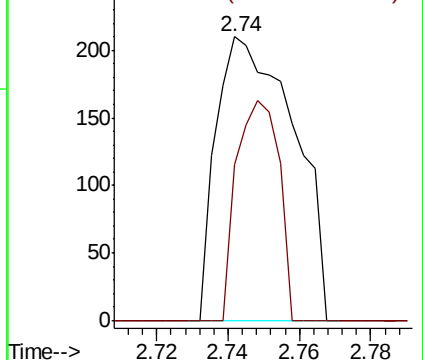
142 100

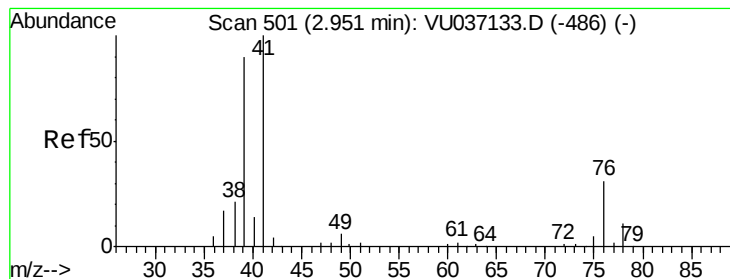
127 42.5 30.3 45.5



Abundance Ion 142.00 (141.70 to 142.70): VU037133.D (-426) (-)

Ion 127.00 (126.70 to 127.70): VU037133.D (-426) (-)





#11

Allvl Chloride

Concen: 0.555 ug/l

RT: 2.95 min Scan# 502

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

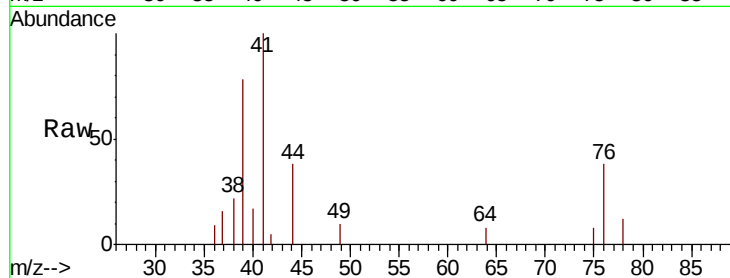
LOQ-WATER-02-QT1-2020

Tot Ion: 41 Resp: 3581

Ion Ratio Lower Upper

41 100

39 93.2 50.7 76.1#



Abundance Ion 41.00 (40.70 to 41.70): VU037133.D (-486) (-)

Ion 39.00 (38.70 to 39.70): VU037133.D (-486) (-)

2.95

1500

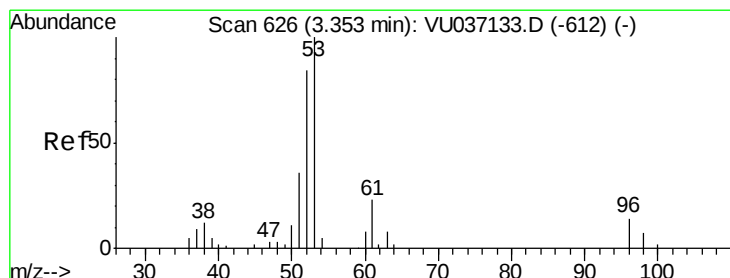
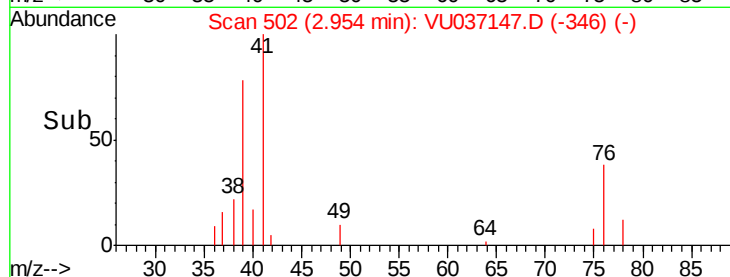
1000

500

0

2.90 2.95 3.00

Time-->



#12

Acrylonitrile

Concen: 1.123 ug/l

RT: 3.37 min Scan# 631

Delta R.T. 0.02 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

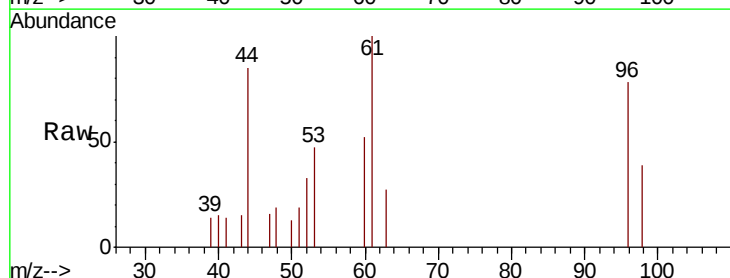
Tgt Ion: 53 Resp: 883

Ion Ratio Lower Upper

53 100

52 38.5 64.6 97.0#

51 33.4 27.2 40.8



Abundance Ion 53.00 (52.70 to 53.70): VU037133.D (-612) (-)

Ion 52.00 (51.70 to 52.70): VU037133.D (-612) (-)

Ion 51.00 (50.70 to 51.70): VU037133.D (-612) (-)

3.37

400

300

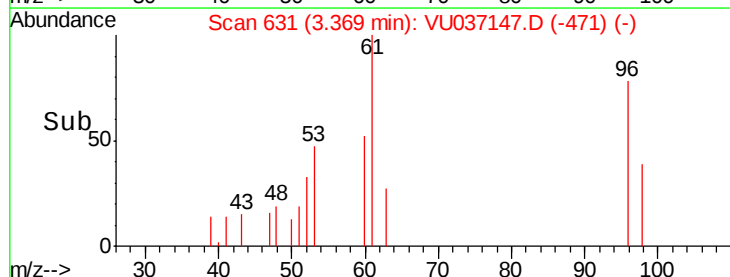
200

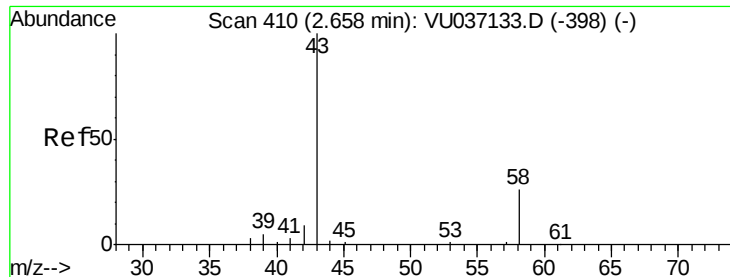
100

0

3.35 3.40

Time-->





#13

Acetone

Concen: 3.139 ug/l

RT: 2.68 min Scan# 416

Delta R.T. 0.02 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

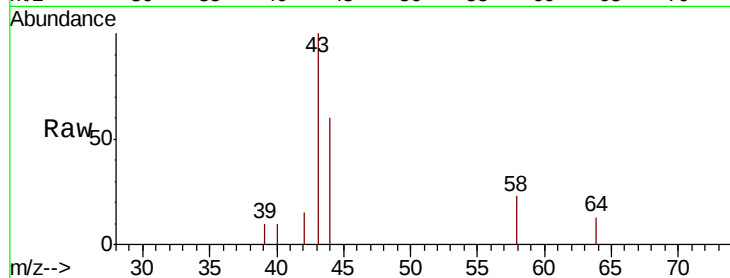
LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 2744

Ion Ratio Lower Upper

43 100

58 22.7 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VU037133.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU037133.D (-398) (-)

2.68

1500

1000

500

0

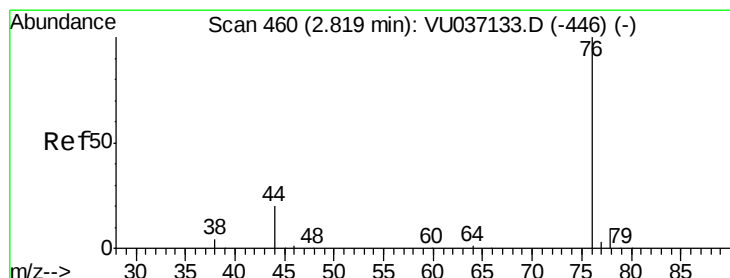
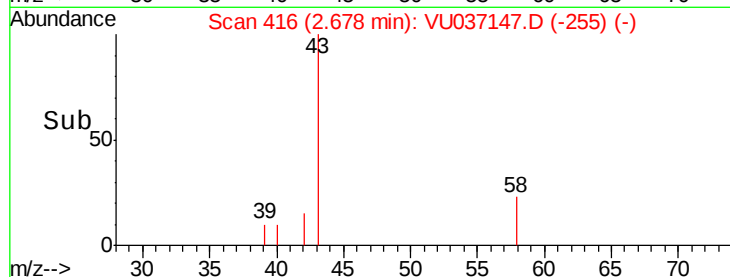
Time-->

2.60

2.65

2.70

2.75



#14

Carbon Disulfide

Concen: 0.545 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037147.D

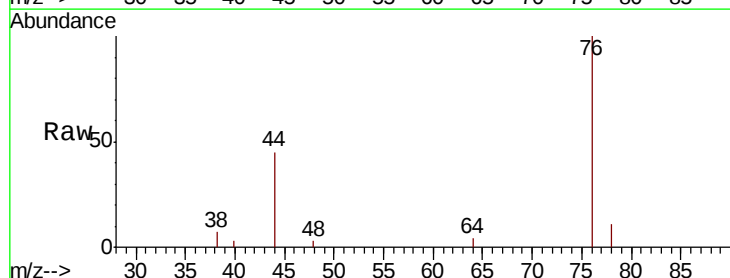
Acq: 10 Mar 2020 12:10

Tgt Ion: 76 Resp: 6032

Ion Ratio Lower Upper

76 100

78 11.2 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VU037133.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037133.D (-446) (-)

2.82

4000

3000

2000

1000

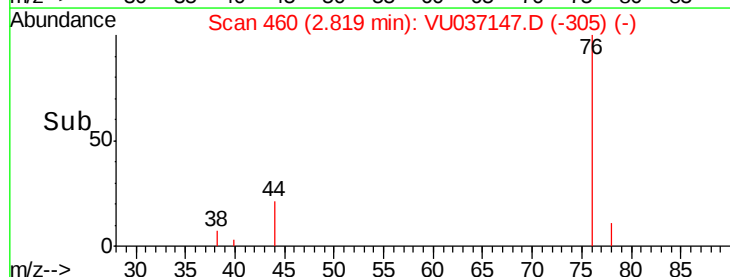
0

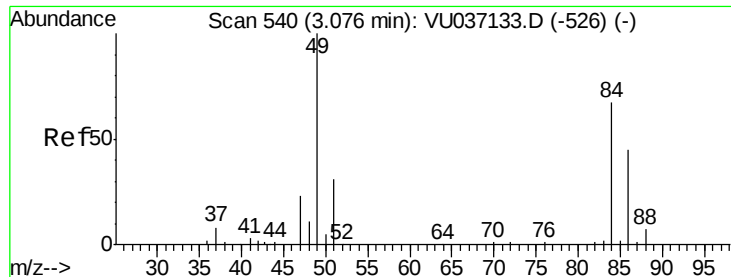
Time-->

2.75

2.80

2.85

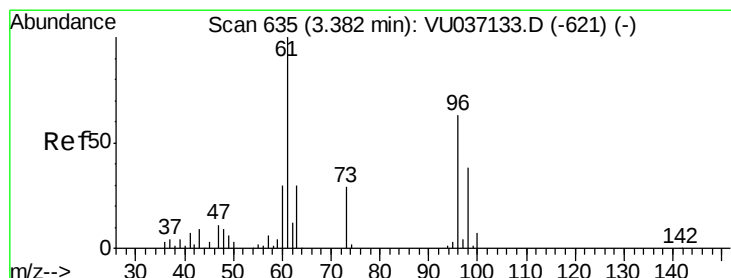
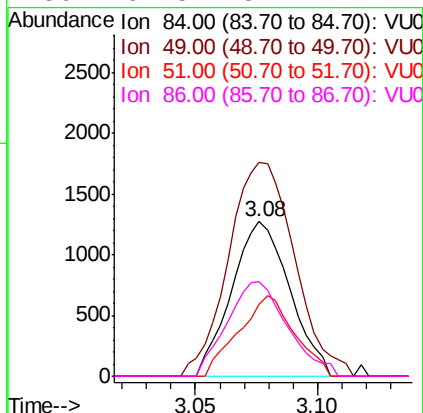
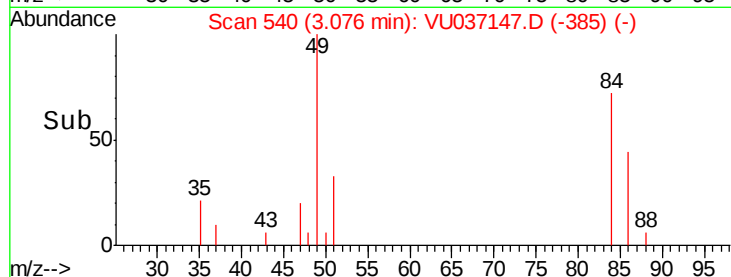
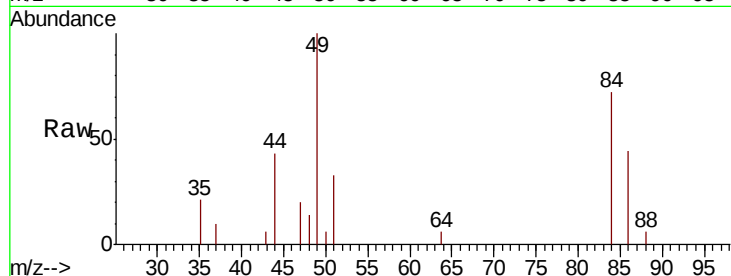




#15
Methvlene Chloride
Concen: 0.503 ug/l
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

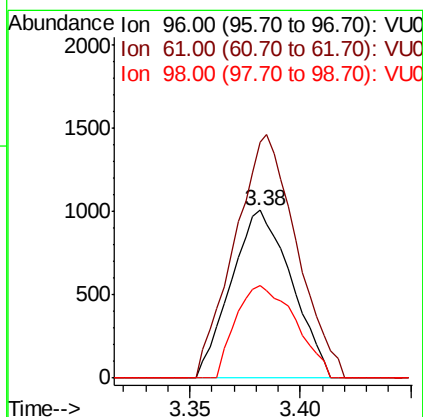
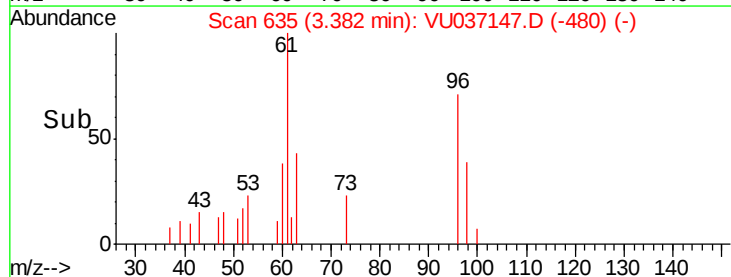
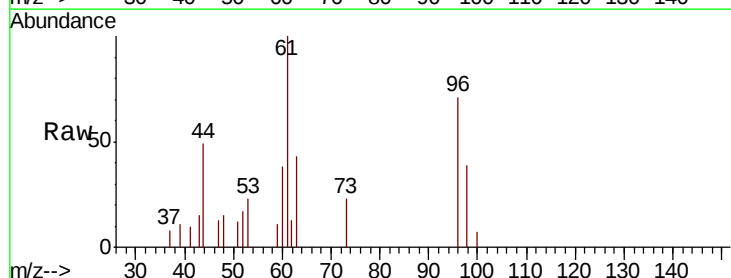
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2020

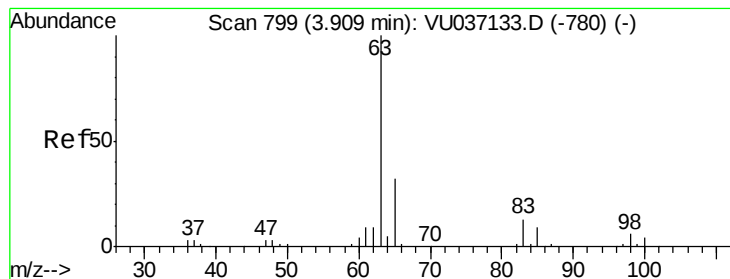
Tot Ion:	84	Resp:	2099
Ion	Ratio	Lower	Upper
84	100		
49	130.2	89.7	134.5
51	46.3	0.0	71.6
86	61.5	51.4	77.2



#16
trans-1,2-Dichloroethene
Concen: 0.541 ug/l
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

Tgt Ion:	96	Resp:	1912
Ion	Ratio	Lower	Upper
96	100		
61	140.8	110.8	166.2
98	55.2	50.3	75.5





#17

1,1-Dichloroethane

Concen: 0.558 ug/l

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2020

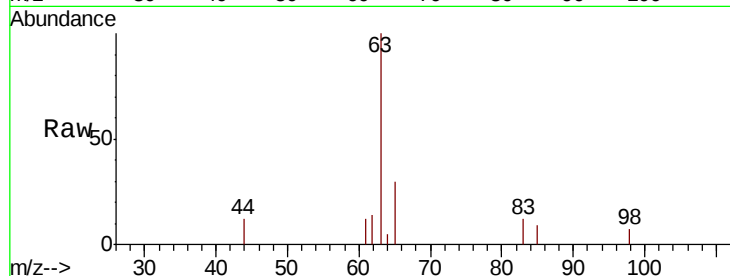
Tot Ion: 63 Resp: 4568

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

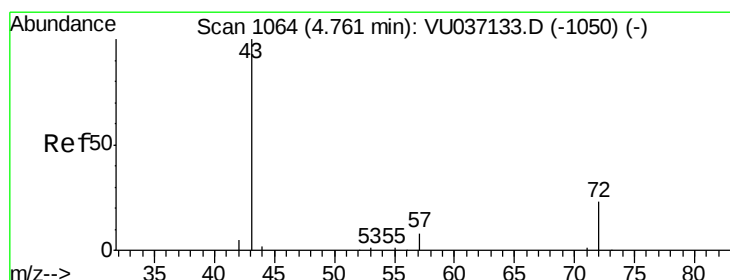
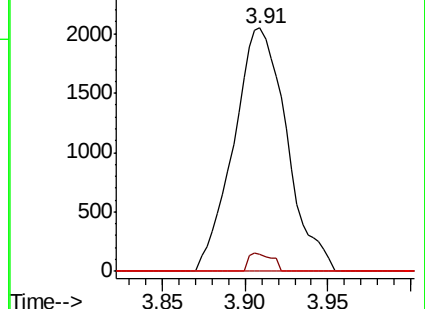
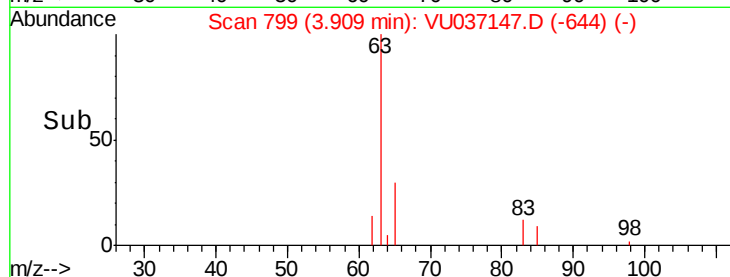
100 0.0 2.4 7.1#



Abundance Ion 63.00 (62.70 to 63.70): VU037147.D (-644) (-)

Ion 98.00 (97.70 to 98.70): VU037147.D (-644) (-)

Ion 100.00 (99.70 to 100.70): VU037147.D (-644) (-)



#18

2-Butanone

Concen: 2.649 ug/l

RT: 4.78 min Scan# 1069

Delta R.T. 0.02 min

Lab File: VU037147.D

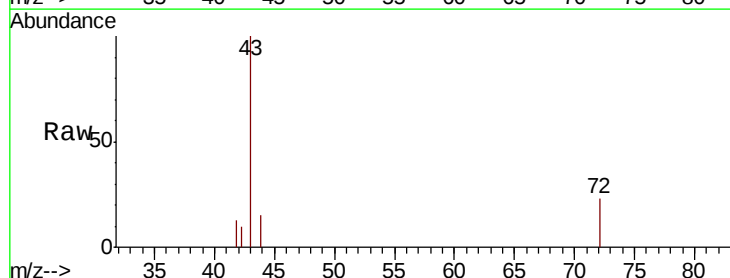
Acq: 10 Mar 2020 12:10

Tgt Ion: 43 Resp: 3540

Ion Ratio Lower Upper

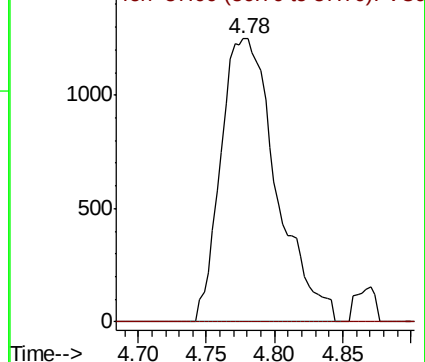
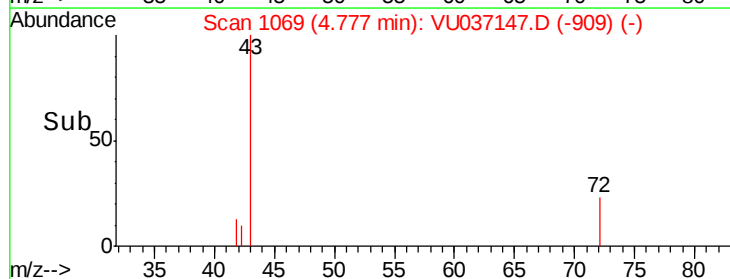
43 100

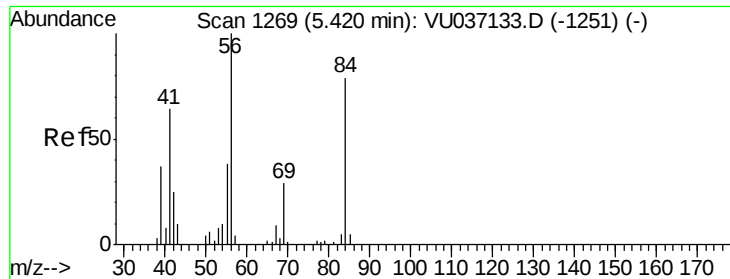
57 0.0 0.0 17.8



Abundance Ion 43.00 (42.70 to 43.70): VU037147.D (-909) (-)

Ion 57.00 (56.70 to 57.70): VU037147.D (-909) (-)

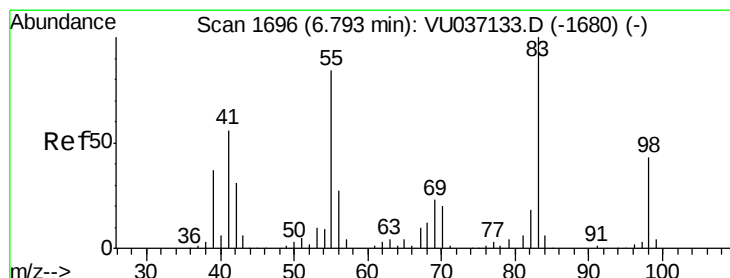
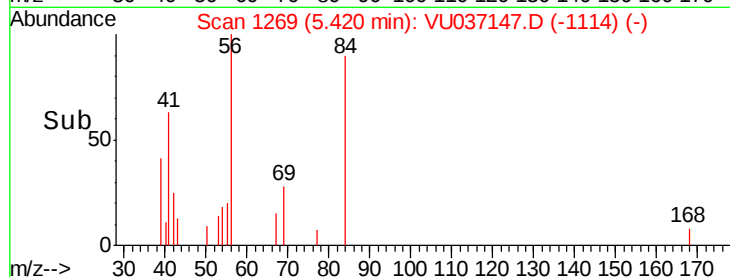
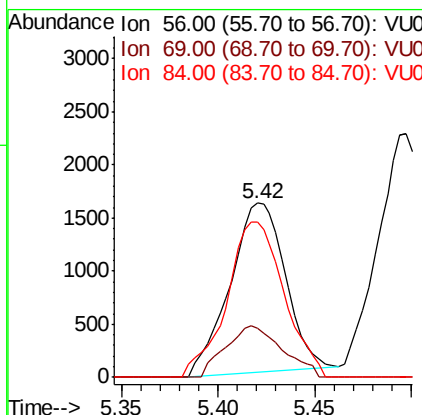
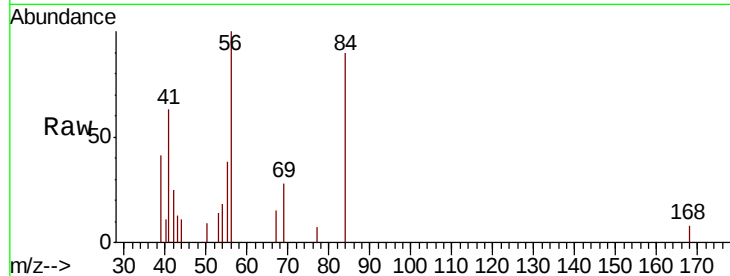




#19
Cyclohexane
Concen: 0.455 ug/l
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

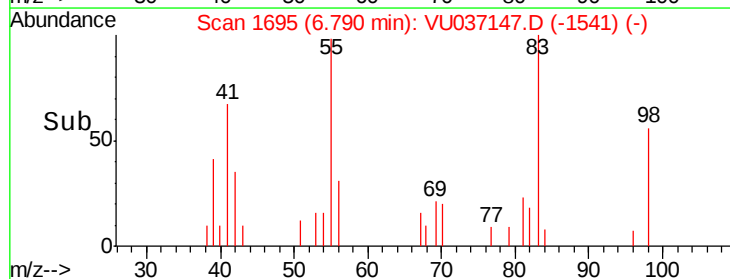
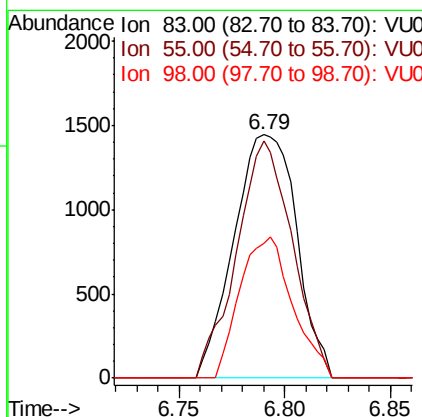
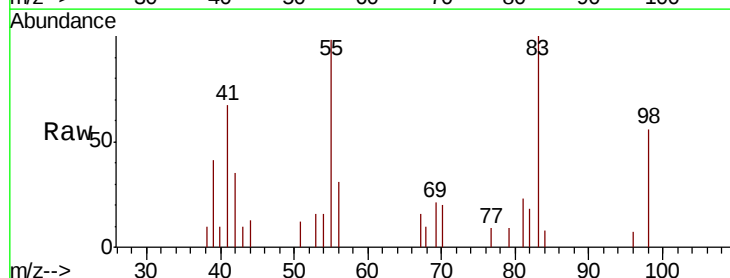
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2020

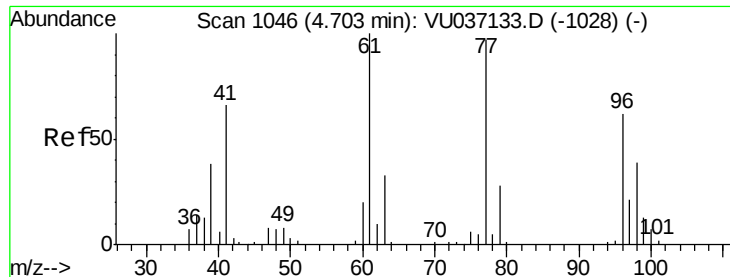
Tot Ion: 56 Resp: 3169
Ion Ratio Lower Upper
56 100
69 31.3 26.2 39.2
84 94.9 72.8 109.2



#20
Methylcyclohexane
Concen: 0.433 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

Tgt Ion: 83 Resp: 2983
Ion Ratio Lower Upper
83 100
55 86.5 56.6 85.0#
98 48.8 37.5 56.3





#21

2,2-Dichloropropane

Concen: 0.534 ug/l

RT: 4.70 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

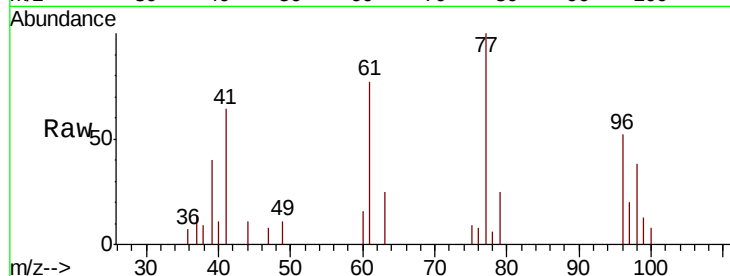
LOQ-WATER-02-QT1-2020

Tot Ion: 77 Resp: 3991

Ion Ratio Lower Upper

77 100

97 7.7 19.0 28.4#



Abundance Ion 77.00 (76.70 to 77.70): VU037133.D (-1028) (-)

Ion 97.00 (96.70 to 97.70): VU037133.D (-1028) (-)

2000

1500

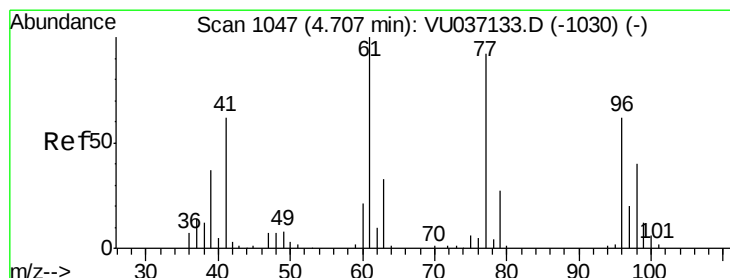
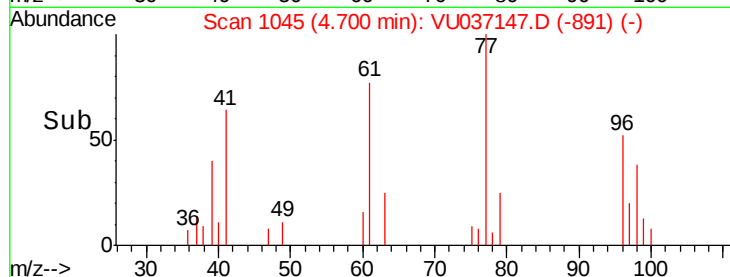
1000

500

0

4.65 4.70 4.75

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.555 ug/l

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

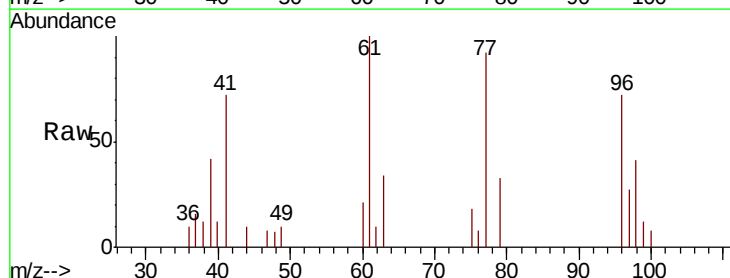
Tgt Ion: 96 Resp: 2426

Ion Ratio Lower Upper

96 100

61 154.0 0.0 342.0

98 60.2 32.0 96.0



Abundance Ion 96.00 (95.70 to 96.70): VU037133.D (-1030) (-)

Ion 61.00 (60.70 to 61.70): VU037133.D (-1030) (-)

Ion 98.00 (97.70 to 98.70): VU037133.D (-1030) (-)

2000

1500

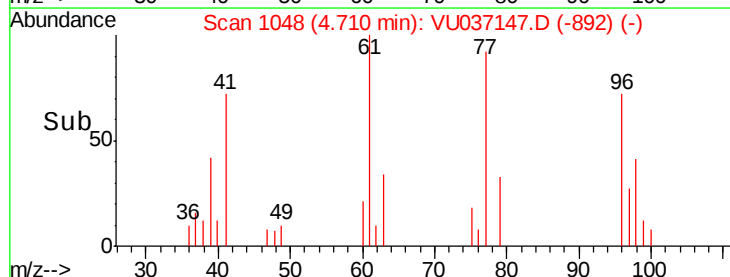
1000

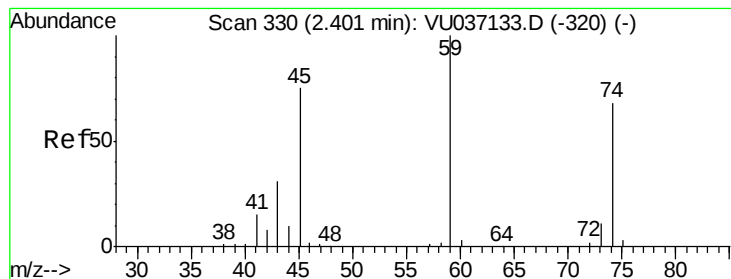
500

0

4.65 4.70 4.75

Time-->





#23

Diethyl Ether

Concen: 0.503 ug/l

RT: 2.40 min Scan# 331

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2020

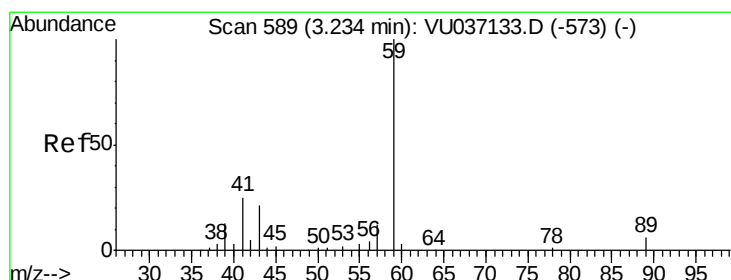
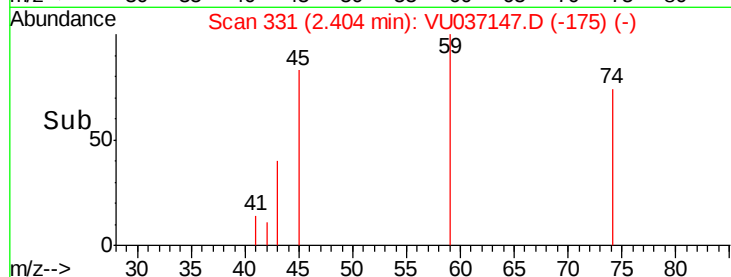
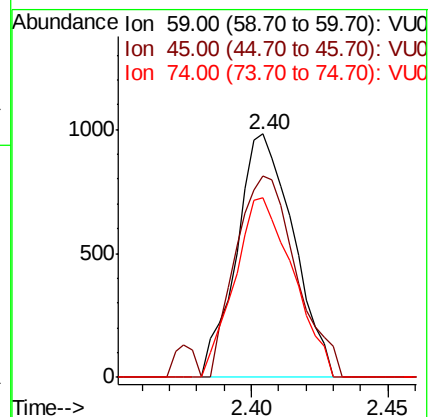
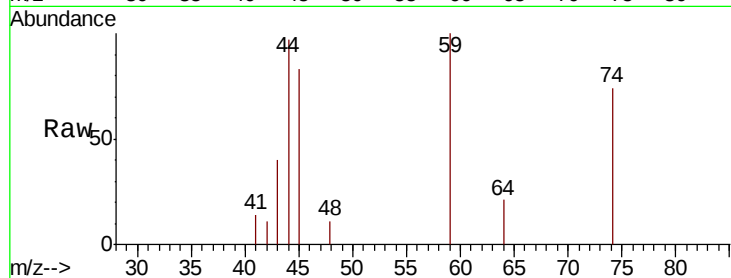
Tot Ion: 59 Resp: 1416

Ion Ratio Lower Upper

59 100

45 88.6 52.4 78.6#

74 76.5 62.1 93.1



#24

tert-Butyl Alcohol

Concen: 5.896 ug/l

RT: 3.28 min Scan# 603

Delta R.T. 0.04 min

Lab File: VU037147.D

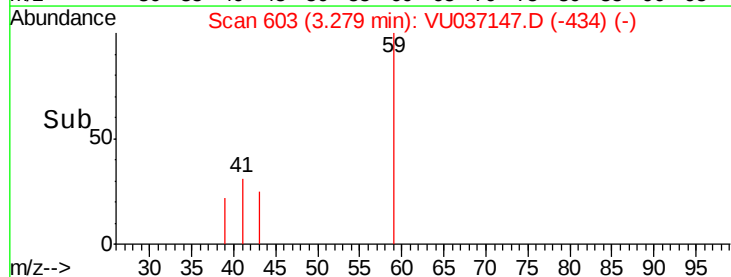
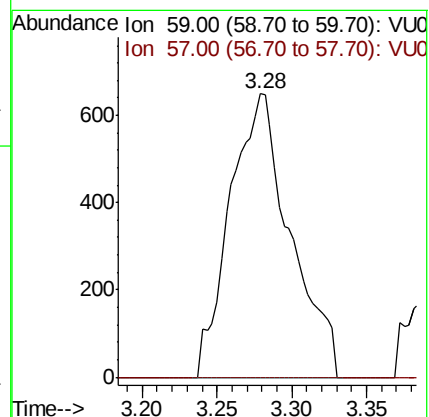
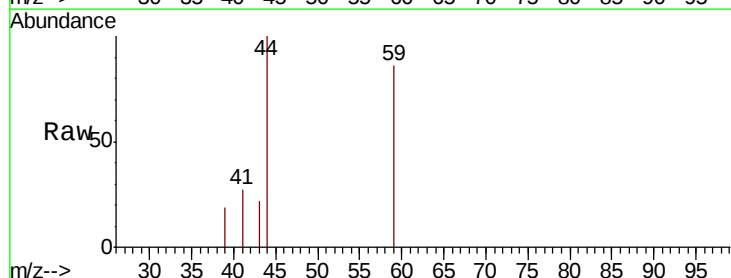
Acq: 10 Mar 2020 12:10

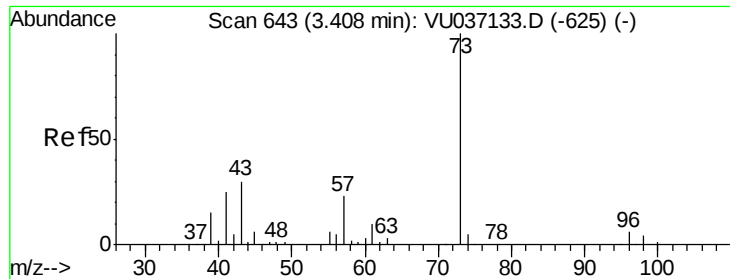
Tgt Ion: 59 Resp: 1816

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



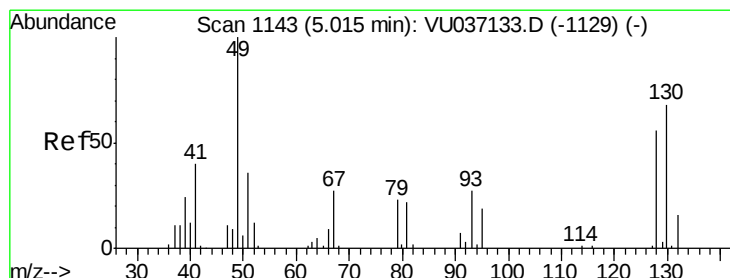
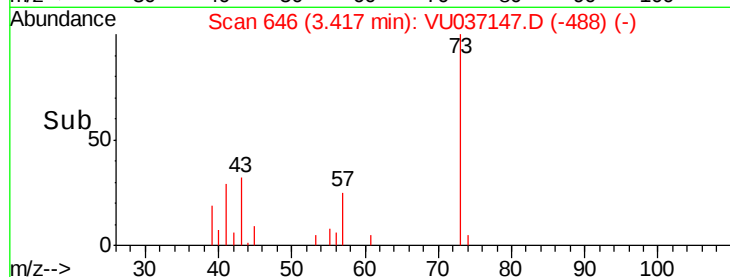
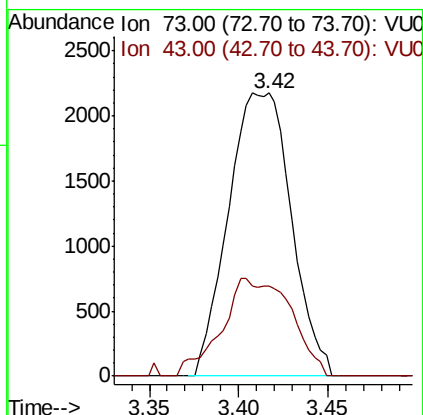
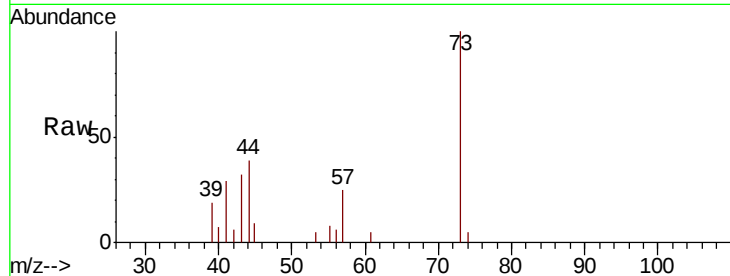


#25

Methyl tert-Butyl Ether
 Concen: 0.549 ug/l
 RT: 3.42 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VU037147.D
 Acq: 10 Mar 2020 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

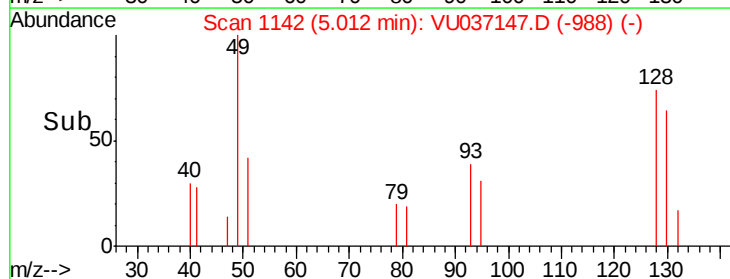
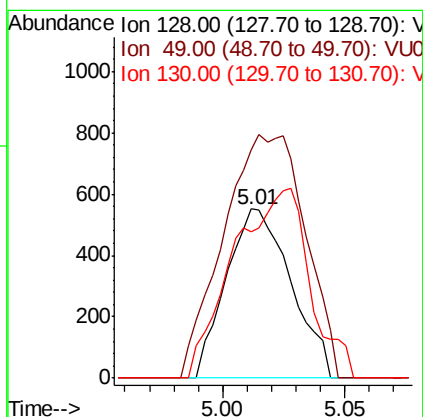
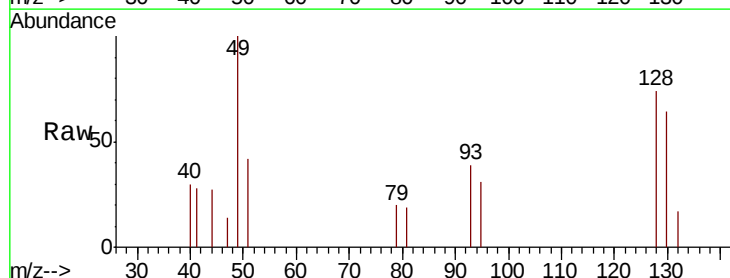
Tot Ion: 73 Resp: 5345
 Ion Ratio Lower Upper
 73 100
 43 20.3 14.5 21.7

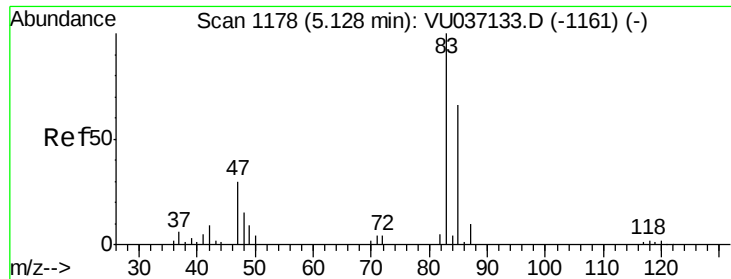


#26

Bromochloromethane
 Concen: 0.527 ug/l
 RT: 5.01 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU037147.D
 Acq: 10 Mar 2020 12:10

Tgt Ion: 128 Resp: 1014
 Ion Ratio Lower Upper
 128 100
 49 182.4 0.0 286.2
 130 133.1 104.3 156.5

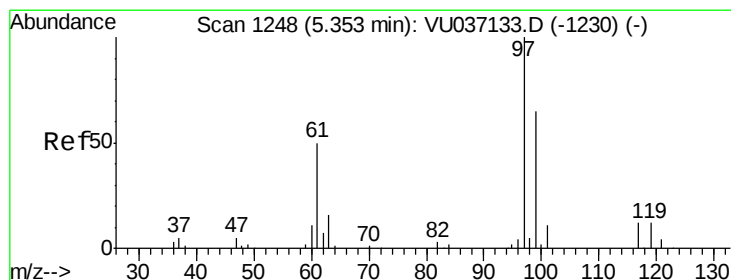
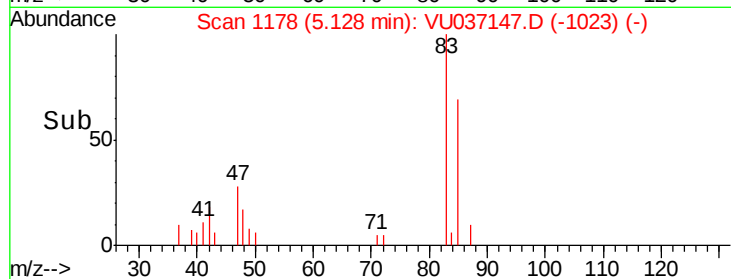
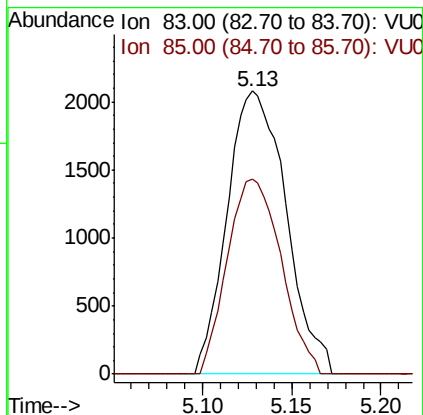
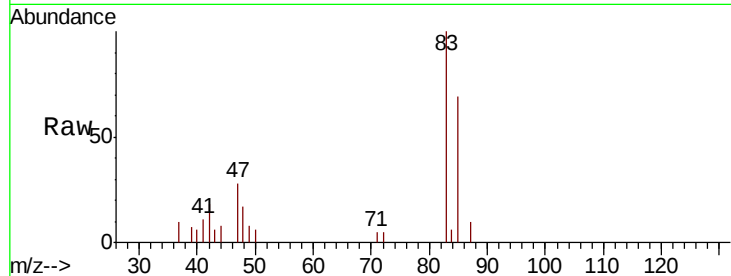




#27
 Chloroform
 Concen: 0.542 ug/l
 RT: 5.13 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VU037147.D
 Acq: 10 Mar 2020 12:10

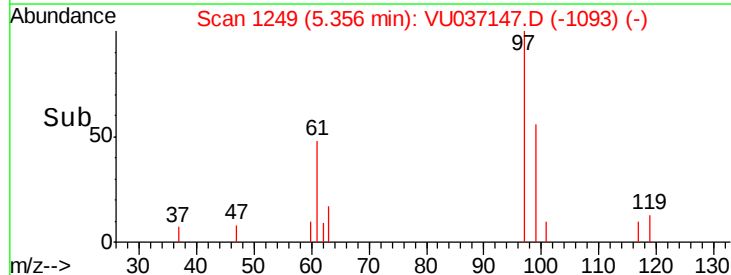
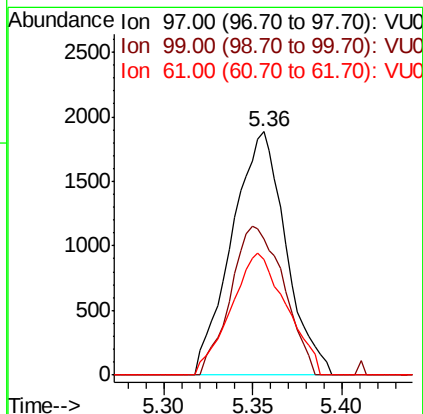
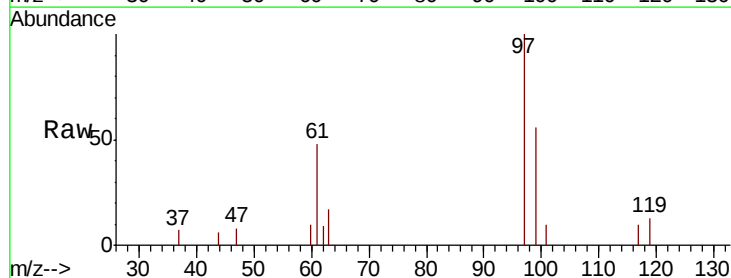
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

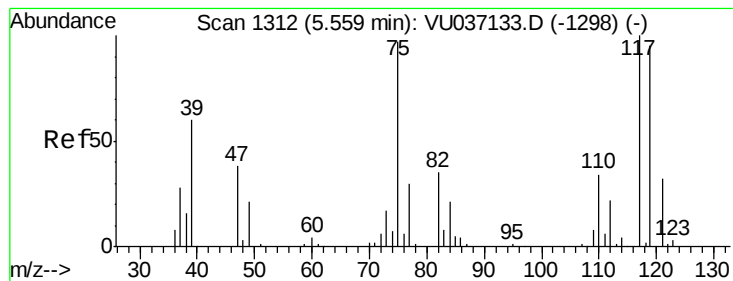
Tot Ion: 83 Resp: 4780
 Ion Ratio Lower Upper
 83 100
 85 68.9 0.0 129.0



#28
 1,1,1-Trichloroethane
 Concen: 0.529 ug/l
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037147.D
 Acq: 10 Mar 2020 12:10

Tgt Ion: 97 Resp: 3978
 Ion Ratio Lower Upper
 97 100
 99 60.0 32.1 96.3
 61 51.4 22.7 68.0





#29

1,1-Dichloropropene

Concen: 0.476 ug/l

RT: 5.56 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2020

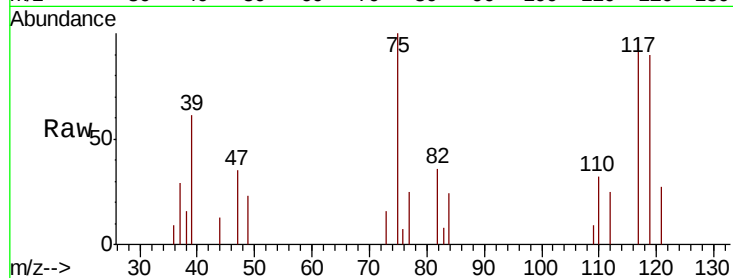
Tot Ion: 75 Resp: 2909

Ion Ratio Lower Upper

75 100

110 35.7 18.6 55.8

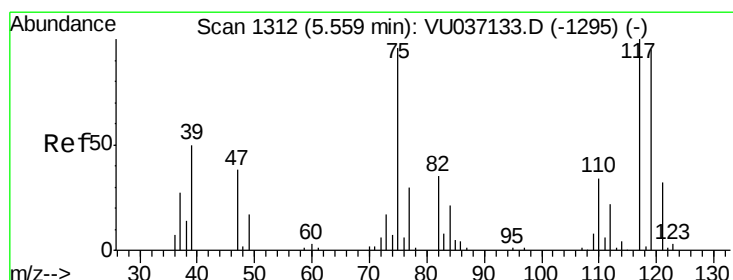
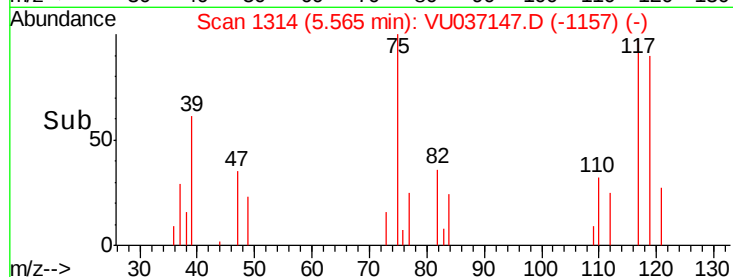
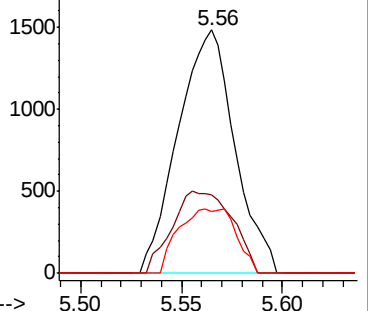
77 26.7 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-1298) (-)

Ion 110.00 (109.70 to 110.70): VU037133.D (-1298) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-1298) (-)



#30

Carbon Tetrachloride

Concen: 0.475 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

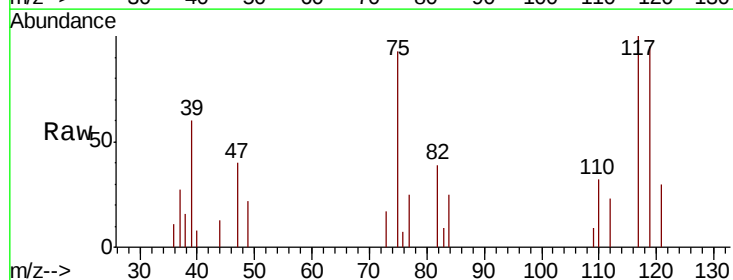
Tgt Ion: 117 Resp: 3125

Ion Ratio Lower Upper

117 100

119 95.4 77.0 115.6

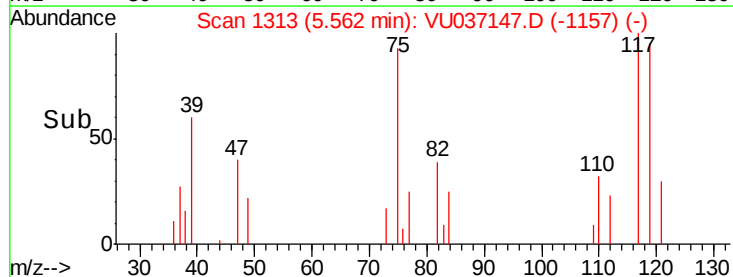
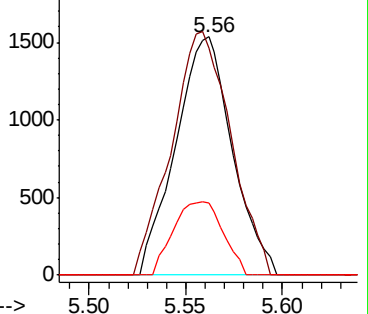
121 30.2 23.3 34.9

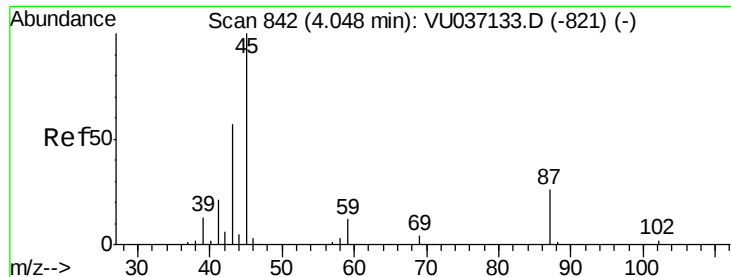


Abundance Ion 117.00 (116.70 to 117.70): VU037133.D (-1295) (-)

Ion 119.00 (118.70 to 119.70): VU037133.D (-1295) (-)

Ion 121.00 (120.70 to 121.70): VU037133.D (-1295) (-)





#31

Isopropyl Ether

Concen: 0.472 ug/l

RT: 4.05 min Scan# 844

Delta R.T. 0.01 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

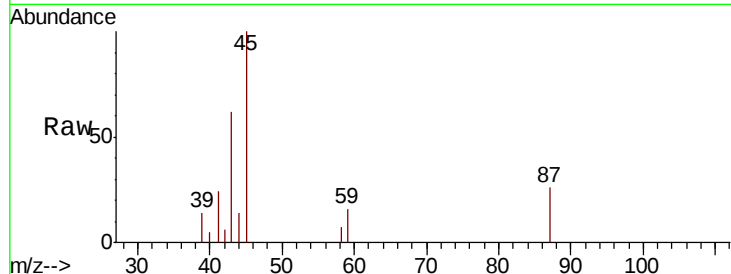
LOQ-WATER-02-QT1-2020

Tot Ion: 45 Resp: 6169

Ion Ratio Lower Upper

45 100

43 62.7 24.0 72.0



Abundance Ion 45.00 (44.70 to 45.70): VU037133.D (-821) (-)

Ion 43.00 (42.70 to 43.70): VU037133.D (-821) (-)

4.05

2500

2000

1500

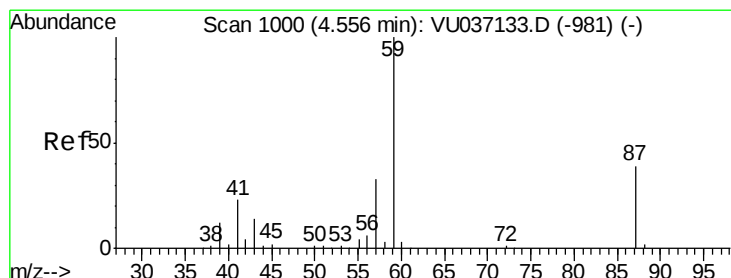
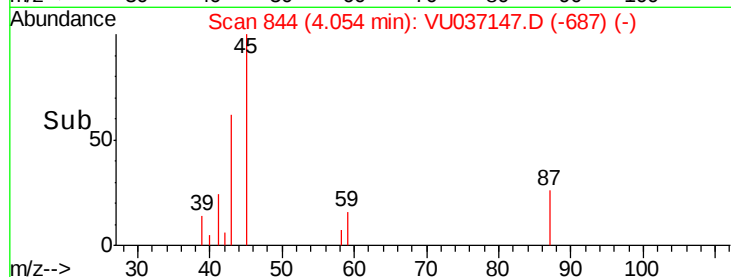
1000

500

0

4.00 4.05 4.10

Time-->



#32

Ethyl-t-butyl ether

Concen: 0.491 ug/l

RT: 4.55 min Scan# 999

Delta R.T. -0.00 min

Lab File: VU037147.D

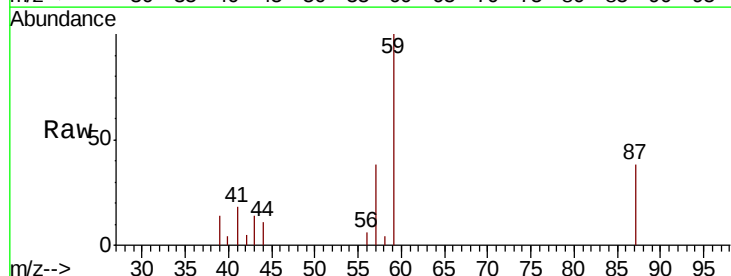
Acq: 10 Mar 2020 12:10

Tgt Ion: 59 Resp: 6064

Ion Ratio Lower Upper

59 100

87 40.5 35.1 52.7



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

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

4.55

3000

2500

2000

1500

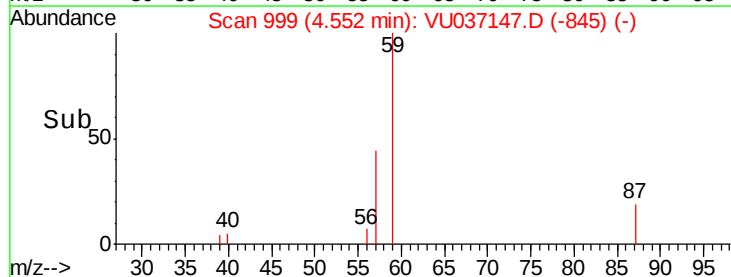
1000

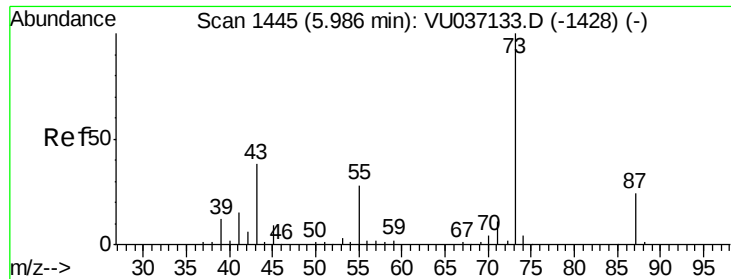
500

0

4.50 4.55 4.60

Time-->

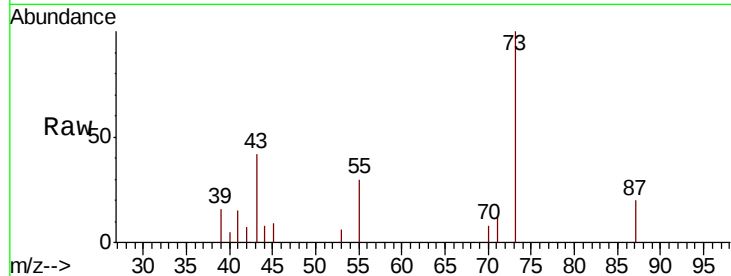




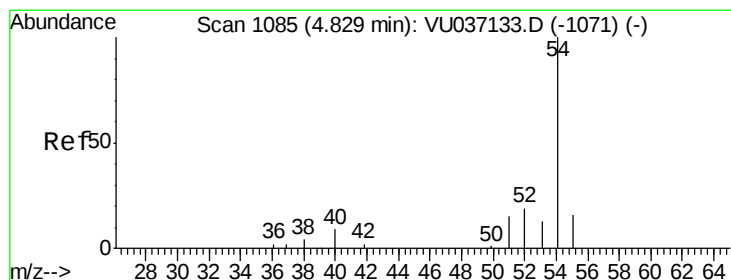
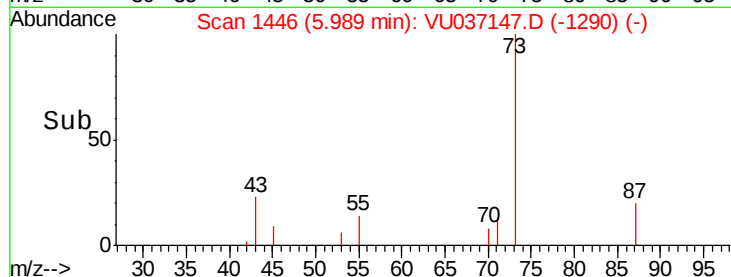
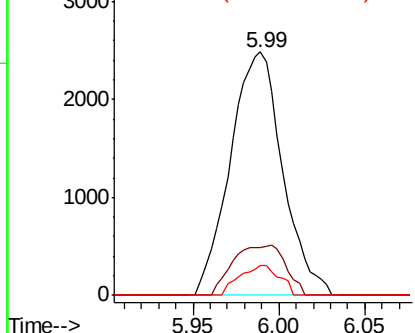
#33
Tert-Butyl methyl ether
Concen: 0.497 ug/l
RT: 5.99 min Scan# 1446
Delta R.T. 0.00 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 73 Resp: 5262
Ion Ratio Lower Upper
73 100
87 20.7 19.8 29.6
71 9.4 9.1 13.7

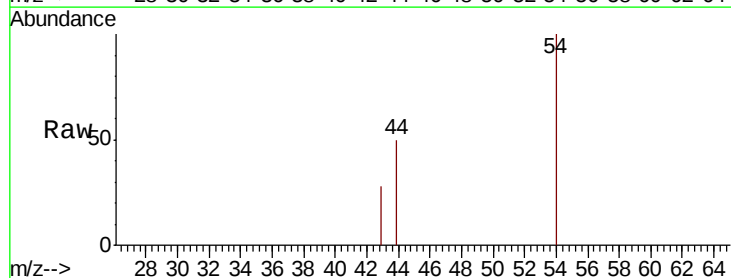


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

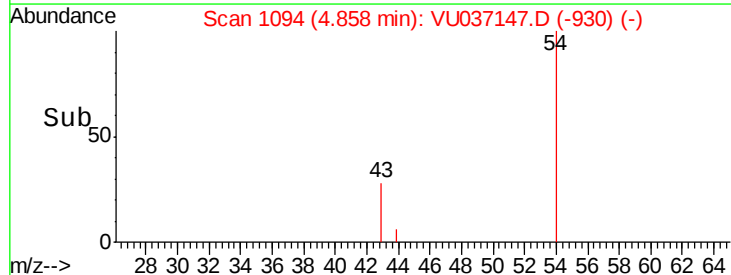
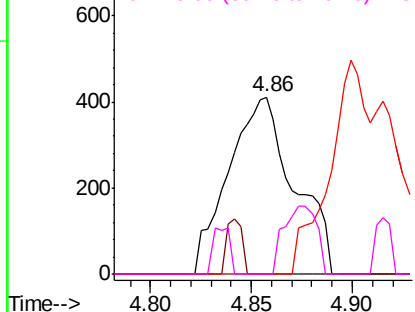


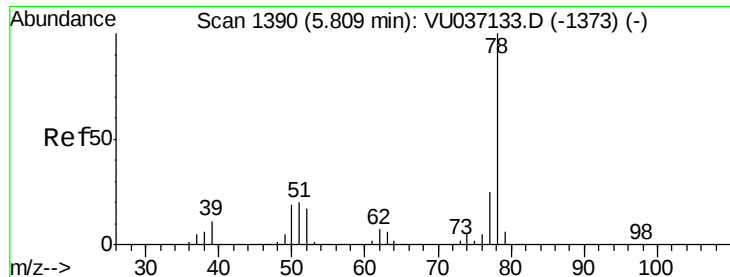
#34
Propionitrile
Concen: 2.640 ug/l
RT: 4.86 min Scan# 1094
Delta R.T. 0.03 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

Tgt Ion: 54 Resp: 928
Ion Ratio Lower Upper
54 100
52 0.0 15.2 22.8#
55 0.0 9.5 14.3#
40 18.9 4.6 6.8#



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: 0.526 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

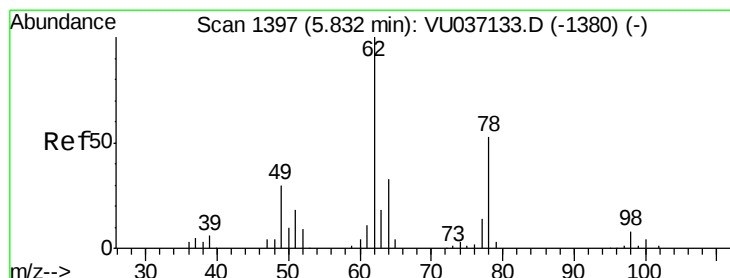
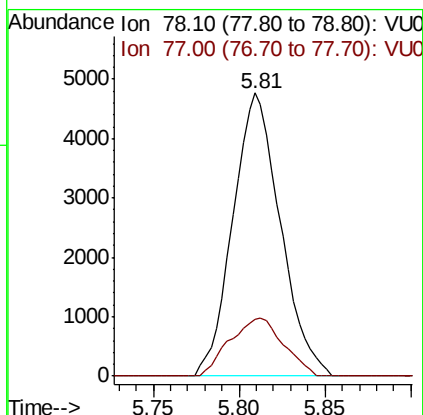
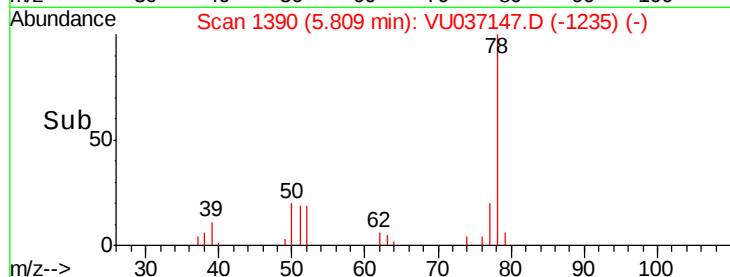
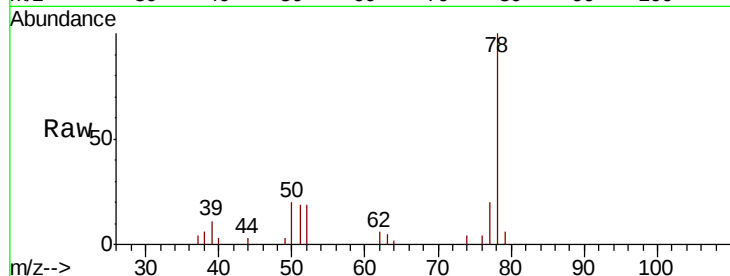
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 78 Resp: 9130

Ion Ratio Lower Upper

78 100

77 19.9 19.4 29.0



#36

1,2-Dichloroethane

Concen: 0.513 ug/l

RT: 5.83 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VU037147.D

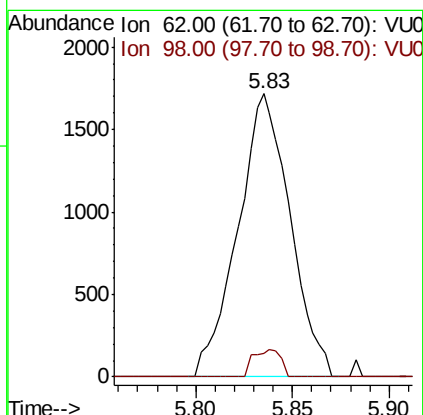
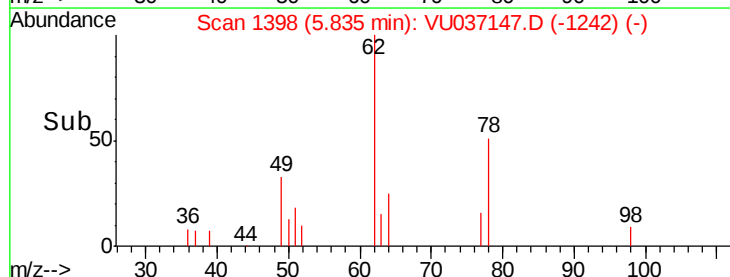
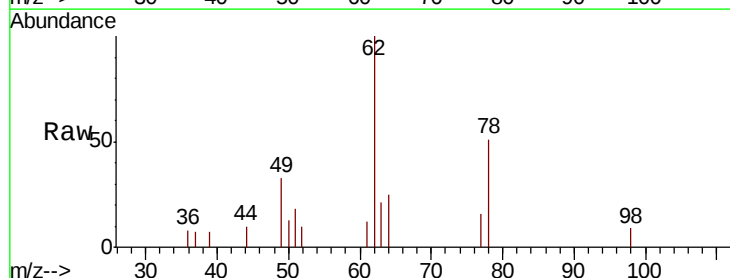
Acq: 10 Mar 2020 12:10

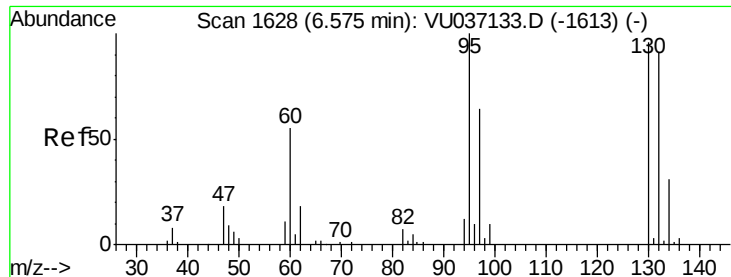
Tgt Ion: 62 Resp: 3229

Ion Ratio Lower Upper

62 100

98 5.1 7.8 11.8#





#37

Trichloroethene

Concen: 0.530 ug/l

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

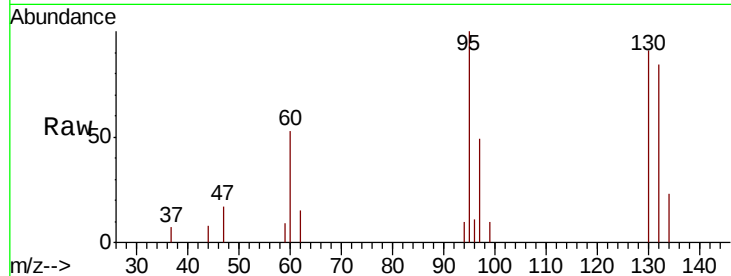
LOQ-WATER-02-QT1-2020

Tot Ion:130 Resp: 2414

Ion Ratio Lower Upper

130 100

95 110.4 77.0 115.4



Abundance Ion 129.90 (129.60 to 130.60): VU037133.D (-1613) (-)

Ion 94.90 (94.60 to 95.60): VU037133.D (-1613) (-)

6.57

1500

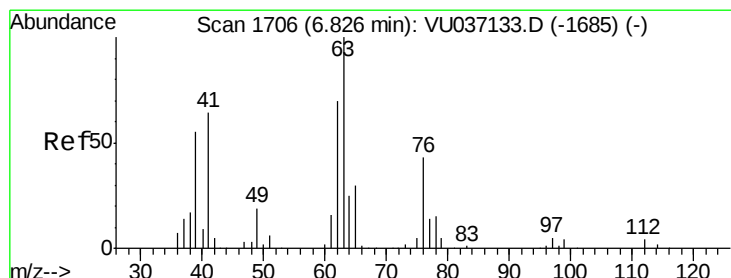
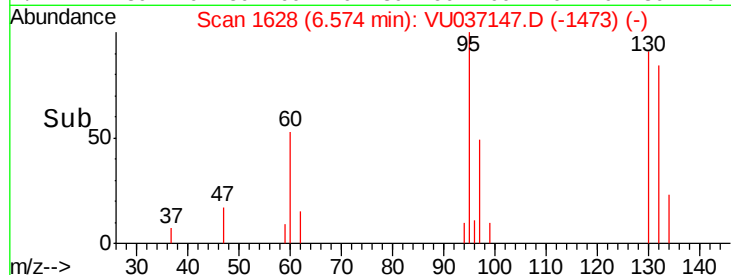
1000

500

0

6.55 6.60

Time-->



#38

1,2-Dichloropropane

Concen: 0.501 ug/l

RT: 6.83 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VU037147.D

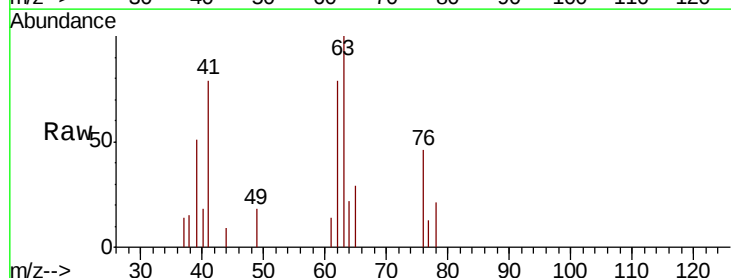
Acq: 10 Mar 2020 12:10

Tgt Ion: 63 Resp: 2384

Ion Ratio Lower Upper

63 100

65 28.9 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU037133.D (-1685) (-)

Ion 65.00 (64.70 to 65.70): VU037133.D (-1685) (-)

6.83

1500

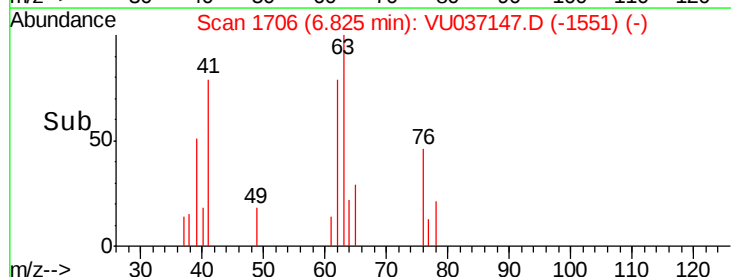
1000

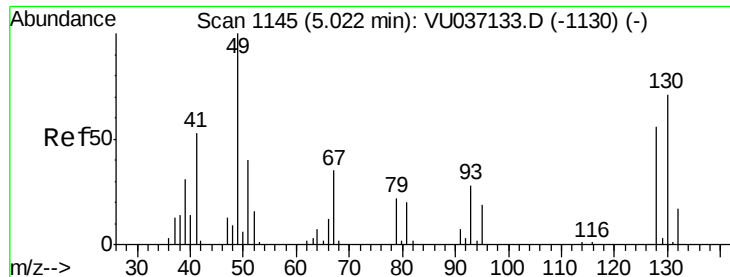
500

0

6.80 6.85

Time-->





#39

Methacrylonitrile

Concen: 0.471 ug/l

RT: 5.03 min Scan# 1148

Delta R.T. 0.01 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 41 Resp: 798

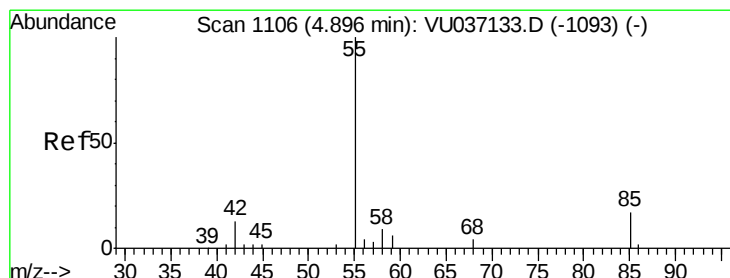
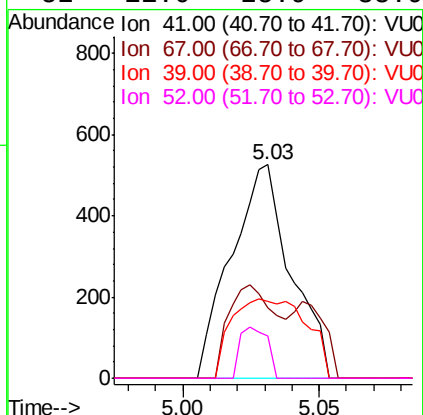
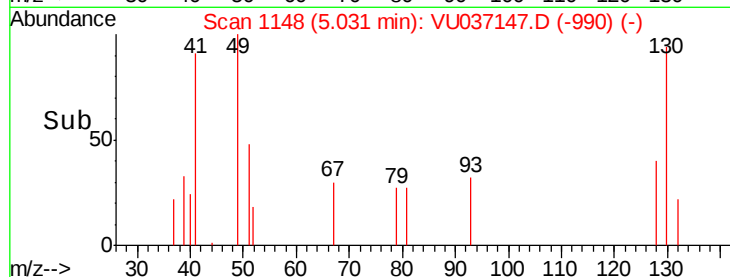
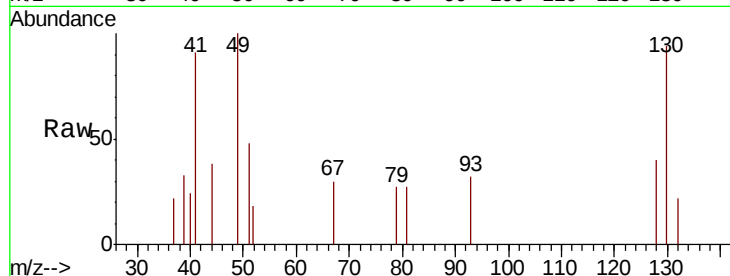
Ion Ratio Lower Upper

41 100

67 35.0 69.6 104.4#

39 46.9 41.6 62.4

52 11.0 25.9 38.9#



#40

Methyl acrylate

Concen: 0.279 ug/l

RT: 4.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Tgt Ion: 55 Resp: 654

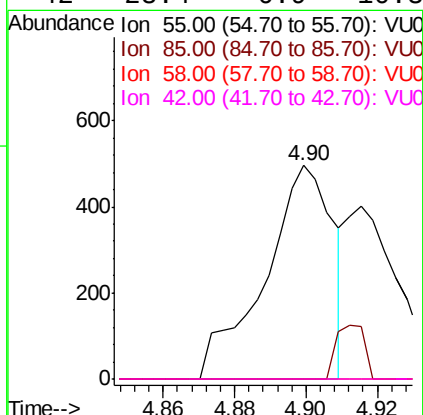
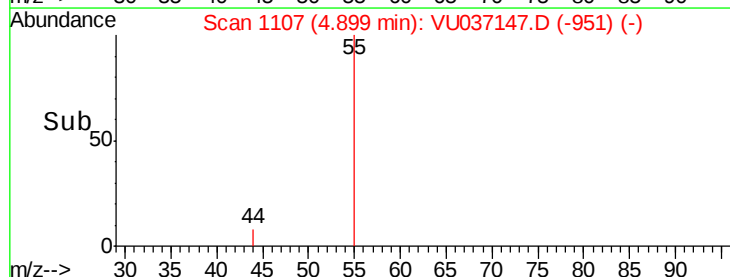
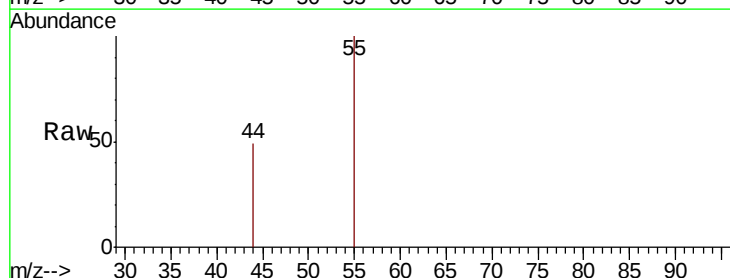
Ion Ratio Lower Upper

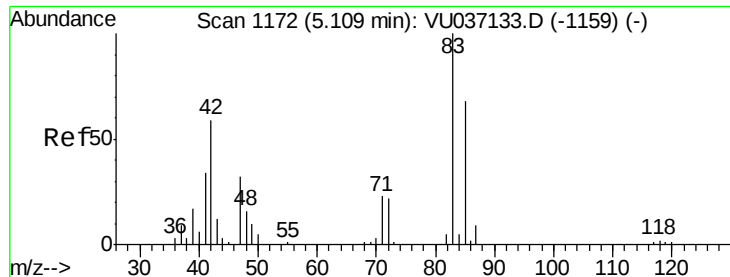
55 100

85 0.0 14.7 22.1#

58 0.0 7.1 10.7#

42 28.4 6.9 10.3#

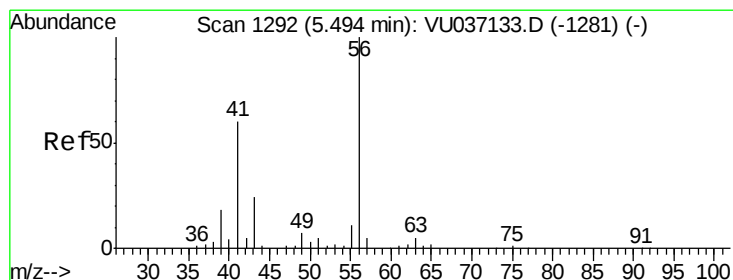
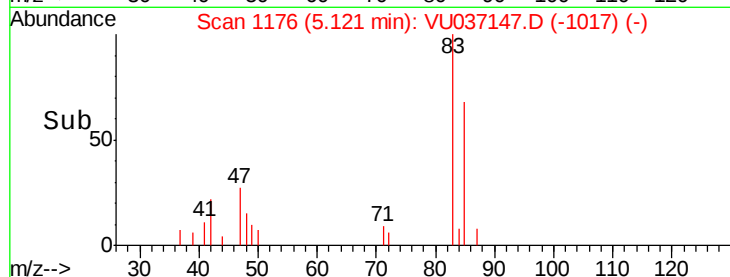
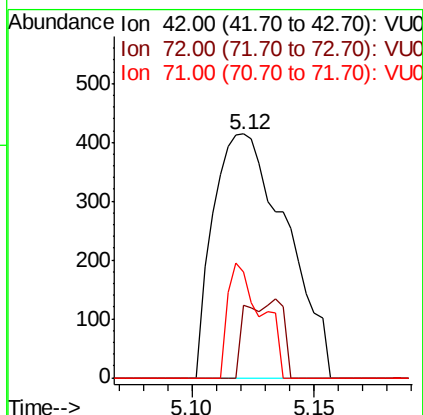
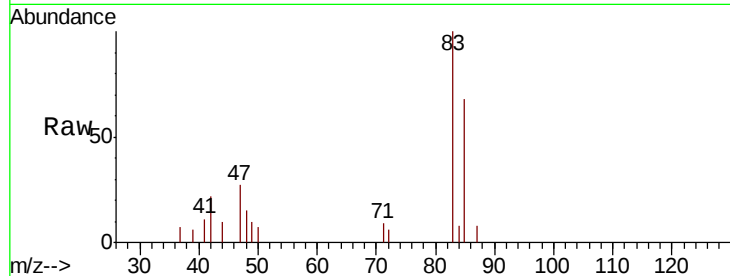




#41
Tetrahydrofuran
Concen: 1.019 ug/l
RT: 5.12 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

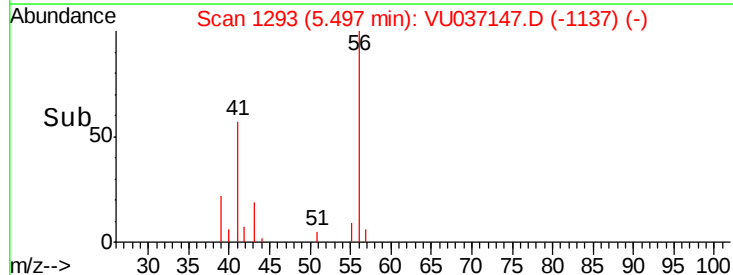
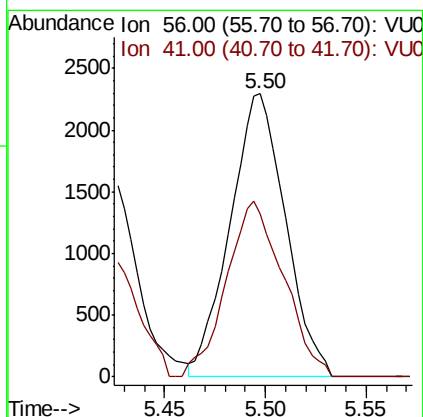
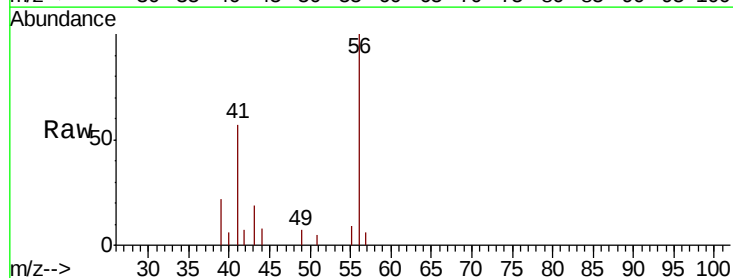
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2020

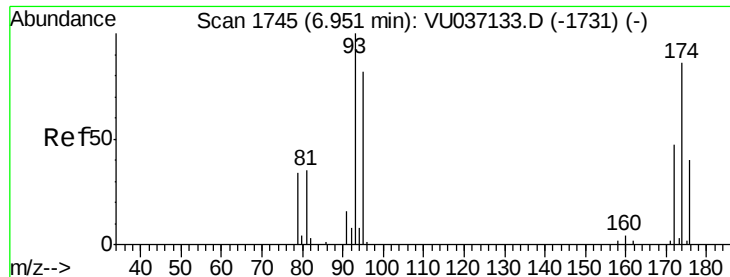
Tot Ion: 42 Resp: 862
Ion Ratio Lower Upper
42 100
72 16.4 42.5 63.7#
71 21.7 37.3 55.9#



#42
1-Chlorobutane
Concen: 0.500 ug/l
RT: 5.50 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

Tgt Ion: 56 Resp: 4400
Ion Ratio Lower Upper
56 100
41 64.0 24.8 74.3





#43

Dibromomethane

Concen: 0.524 ug/l

RT: 6.95 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2020

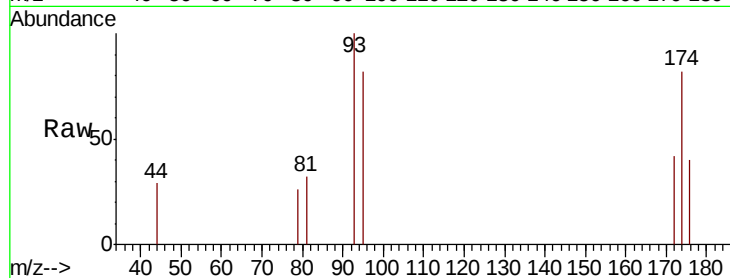
Tot Ion: 93 Resp: 1280

Ion Ratio Lower Upper

93 100

95 80.1 67.9 101.9

174 82.7 83.4 125.0#

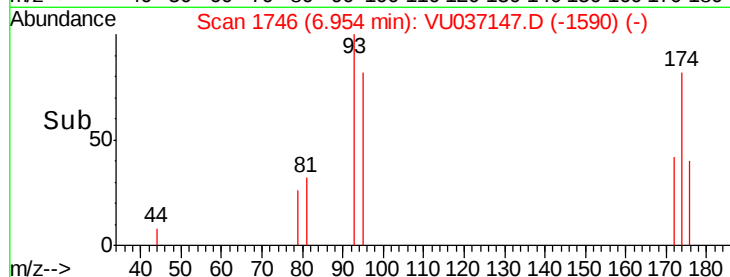


Abundance Ion 93.00 (92.70 to 93.70): VU037133.D (-1731) (-)

Ion 95.00 (94.70 to 95.70): VU037133.D (-1731) (-)

Ion 174.00 (173.70 to 174.70): VU037133.D (-1731) (-)

Time-->



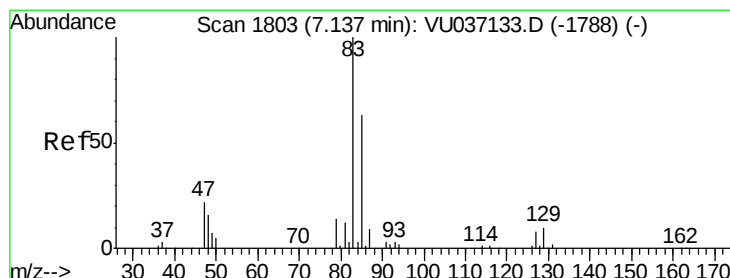
Abundance

Ion 93.00 (92.70 to 93.70): VU037147.D (-1590) (-)

Ion 95.00 (94.70 to 95.70): VU037147.D (-1590) (-)

Ion 174.00 (173.70 to 174.70): VU037147.D (-1590) (-)

Time-->



#44

Bromodichloromethane

Concen: 0.494 ug/l

RT: 7.14 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

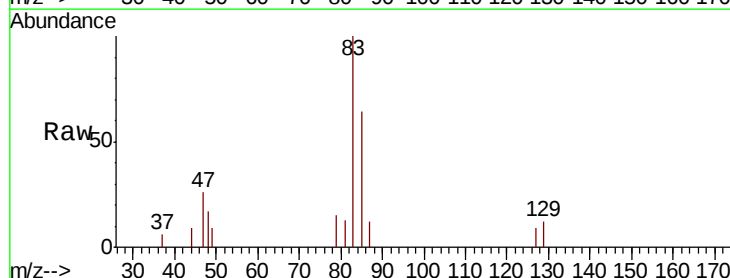
Tgt Ion: 83 Resp: 3142

Ion Ratio Lower Upper

83 100

85 64.1 51.8 77.6

127 9.3 6.8 10.2

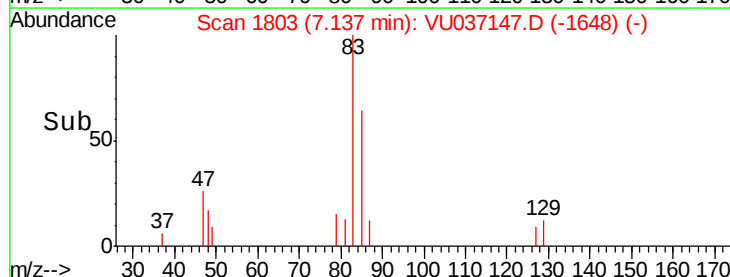


Abundance Ion 83.00 (82.70 to 83.70): VU037133.D (-1788) (-)

Ion 85.00 (84.70 to 85.70): VU037133.D (-1788) (-)

Ion 127.00 (126.70 to 127.70): VU037133.D (-1788) (-)

Time-->



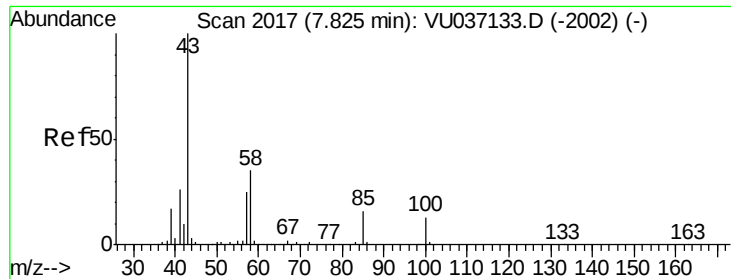
Abundance

Ion 83.00 (82.70 to 83.70): VU037147.D (-1648) (-)

Ion 85.00 (84.70 to 85.70): VU037147.D (-1648) (-)

Ion 127.00 (126.70 to 127.70): VU037147.D (-1648) (-)

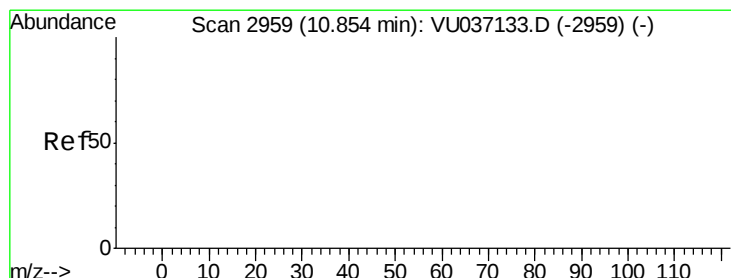
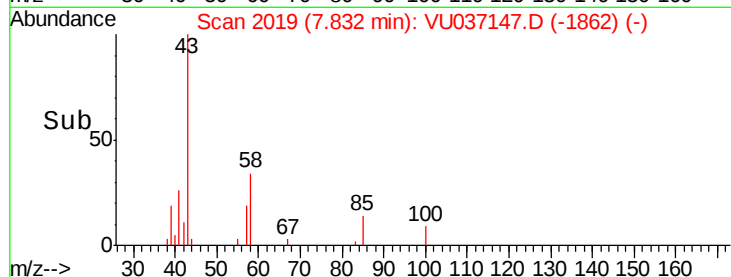
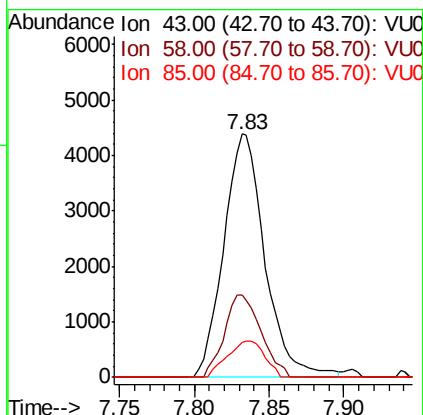
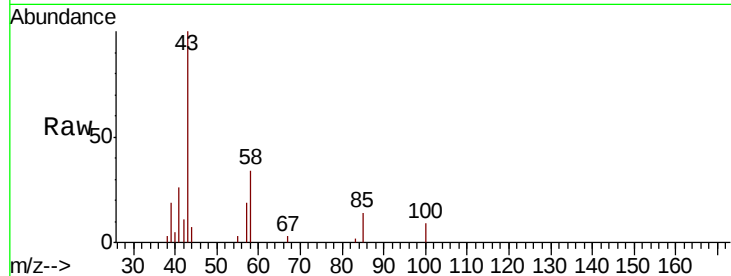
Time-->



#45
4-Methyl-2-Pentanone
Concen: 2.560 ug/l
RT: 7.83 min Scan# 2019
Delta R.T. 0.01 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

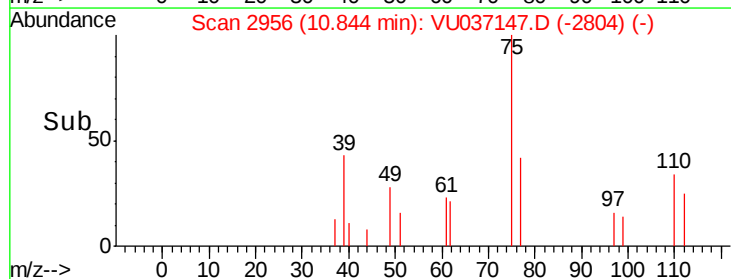
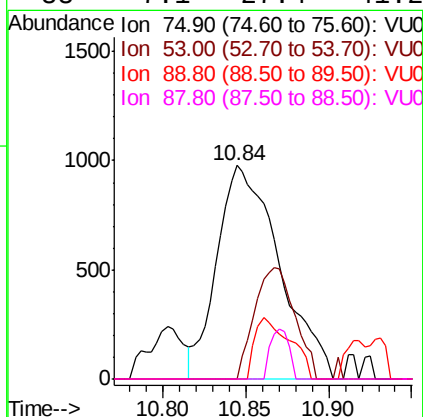
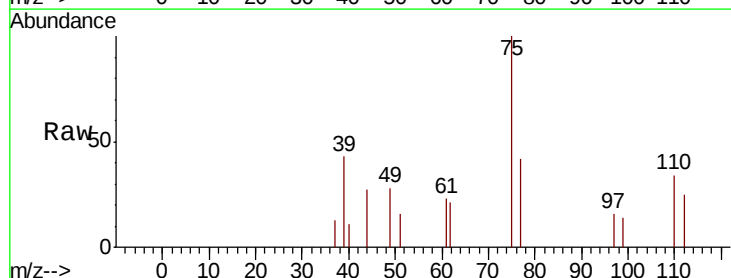
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2020

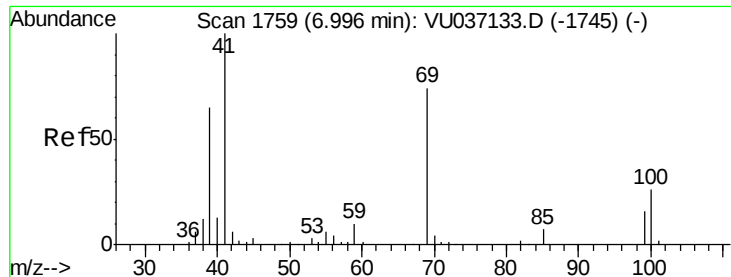
Tot Ion: 43 Resp: 8381
Ion Ratio Lower Upper
43 100
58 29.9 22.1 66.1
85 13.5 17.4 26.0#



#46
t-1,4-Dichloro-2-butene
Concen: 2.862 ug/l
RT: 10.84 min Scan# 2956
Delta R.T. -0.01 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

Tgt Ion: 75 Resp: 2564
Ion Ratio Lower Upper
75 100
53 33.3 52.2 78.2#
89 16.1 39.8 59.6#
88 7.1 27.4 41.2#

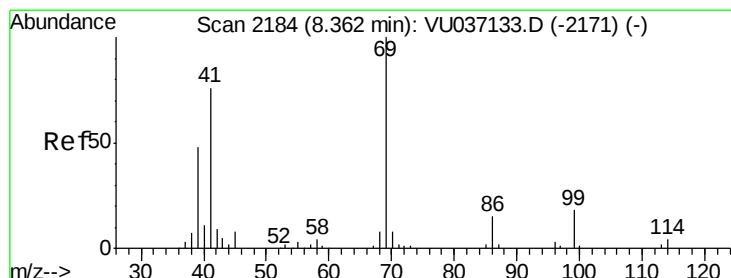
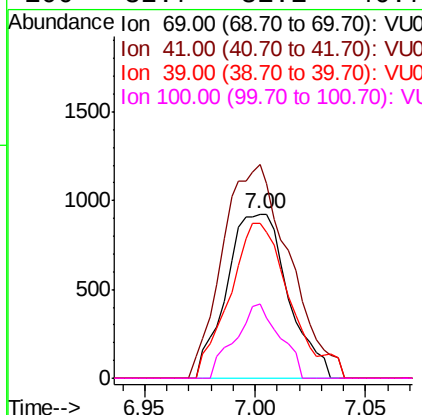
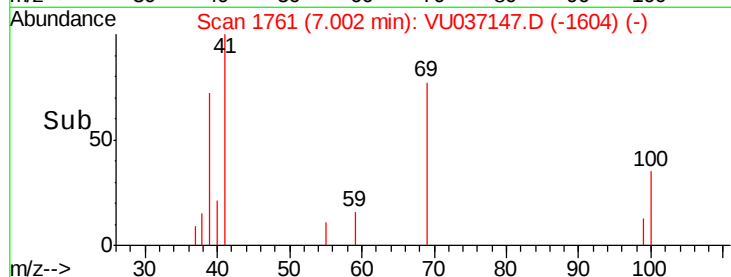
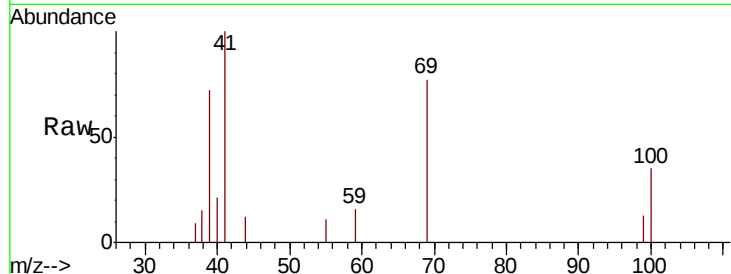




#47
Methyl methacrylate
Concen: 0.886 ug/l
RT: 7.00 min Scan# 1761
Delta R.T. 0.01 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

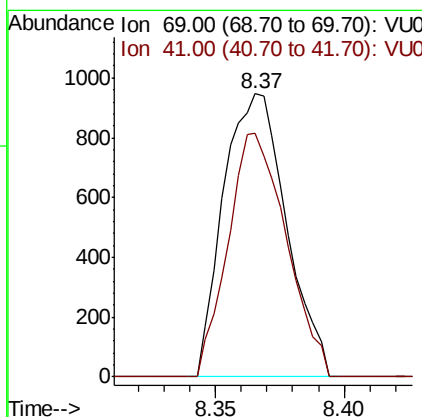
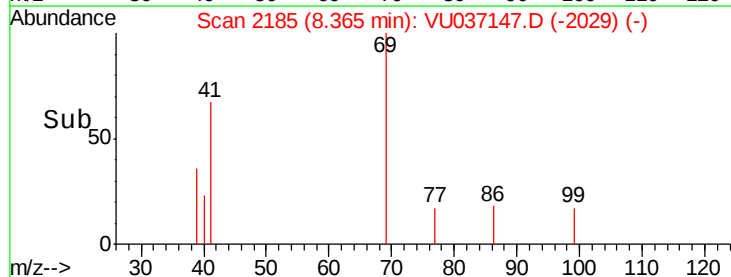
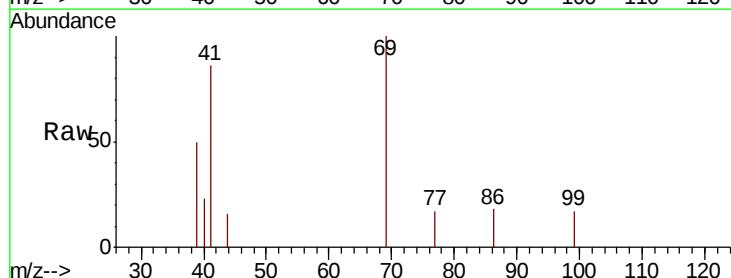
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2020

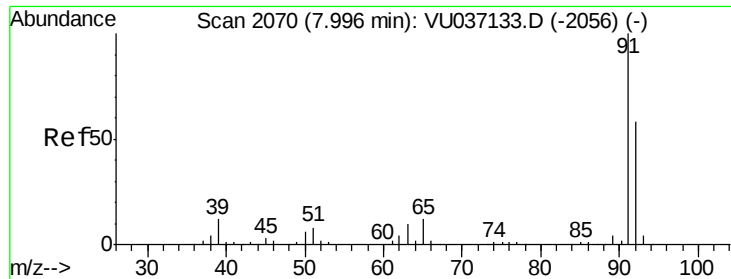
Tot Ion: 69 Resp: 1787
Ion Ratio Lower Upper
69 100
41 141.3 0.0 200.8
39 92.9 43.5 65.3#
100 32.7 31.1 46.7



#48
Ethyl methacrylate
Concen: 0.402 ug/l
RT: 8.37 min Scan# 2185
Delta R.T. 0.00 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

Tgt Ion: 69 Resp: 1603
Ion Ratio Lower Upper
69 100
41 80.0 27.9 83.6





#49

Toluene

Concen: 0.462 ug/l

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

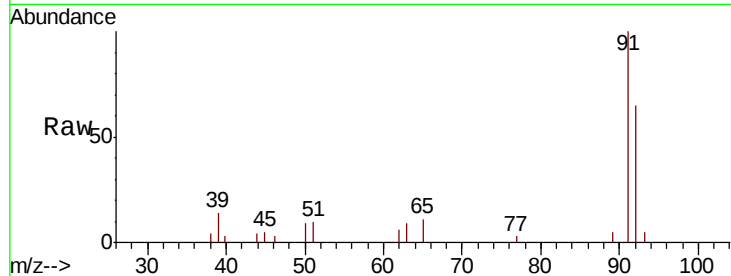
LOQ-WATER-02-QT1-2020

Tot Ion: 92 Resp: 4836

Ion Ratio Lower Upper

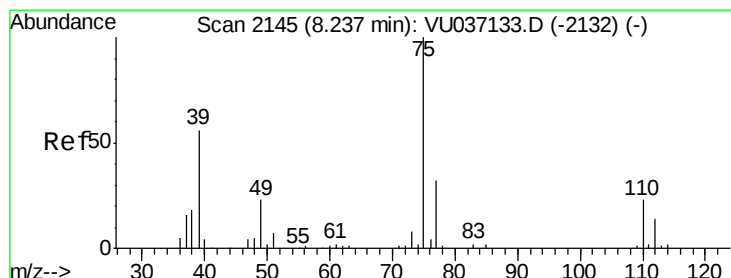
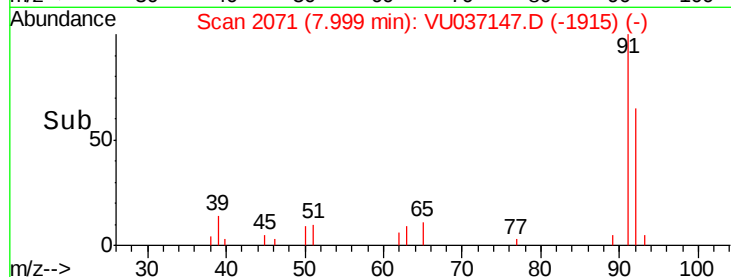
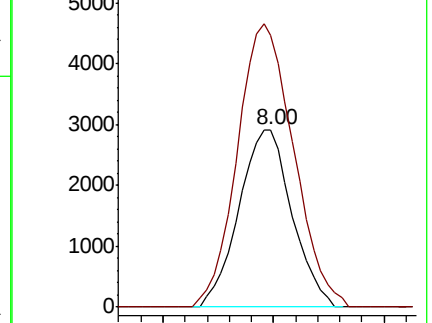
92 100

91 170.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VU037133.D (-2056) (-)

Ion 91.00 (90.70 to 91.70): VU037133.D (-2056) (-)



#50

t-1,3-Dichloropropene

Concen: 0.452 ug/l

RT: 8.24 min Scan# 2147

Delta R.T. 0.01 min

Lab File: VU037147.D

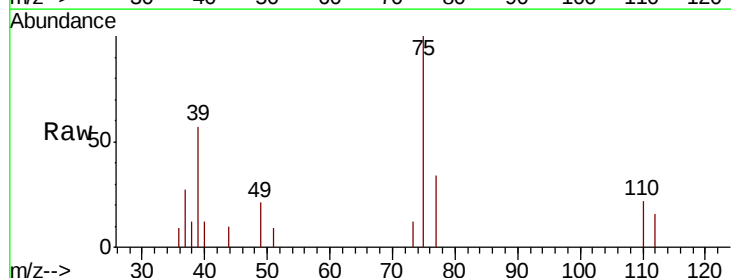
Acq: 10 Mar 2020 12:10

Tgt Ion: 75 Resp: 2585

Ion Ratio Lower Upper

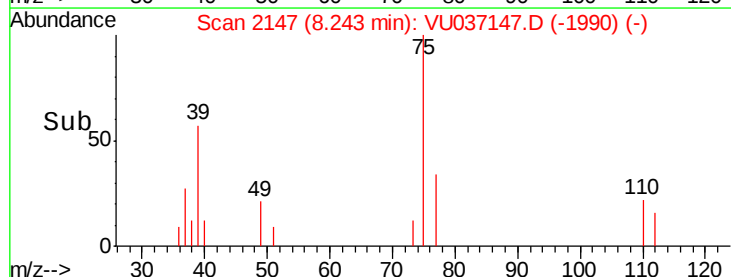
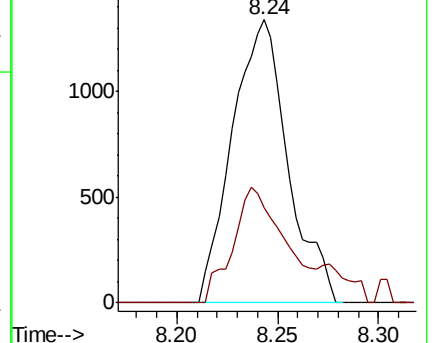
75 100

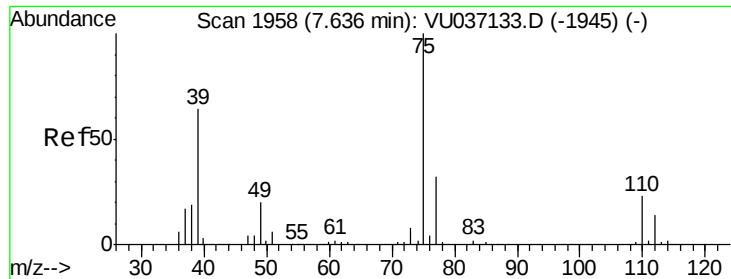
77 33.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-2132) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-2132) (-)



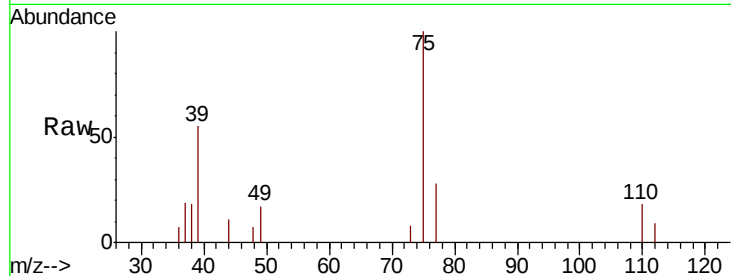


#51

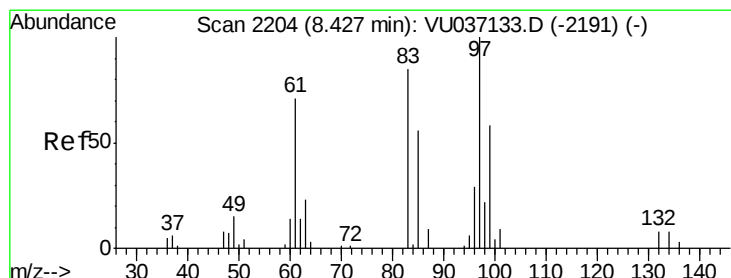
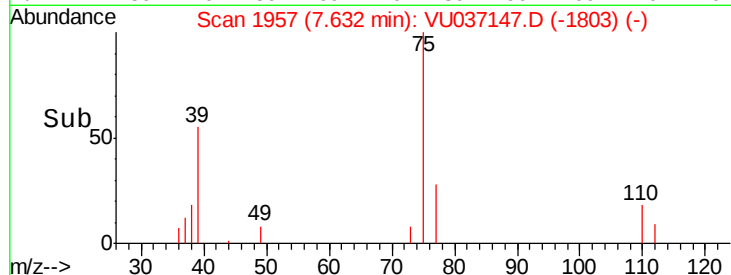
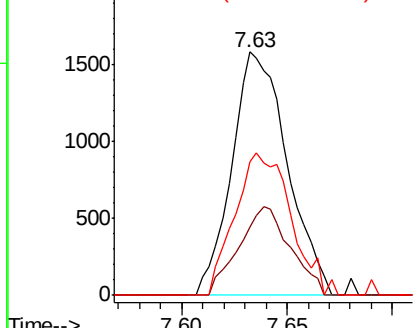
cis-1,3-Dichloropropene
Concen: 0.442 ug/l
RT: 7.63 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 75 Resp: 2891
Ion Ratio Lower Upper
75 100
77 27.9 25.3 37.9
39 54.9 31.8 47.6#



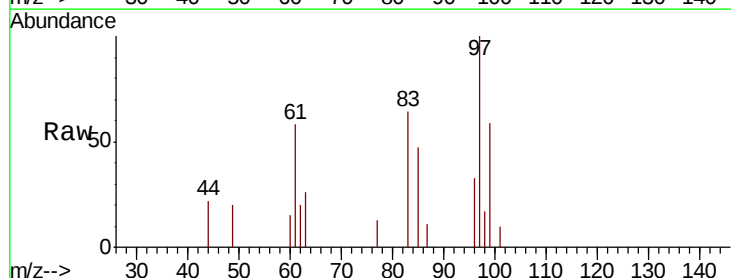
Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 39.00 (38.70 to 39.70): VU0



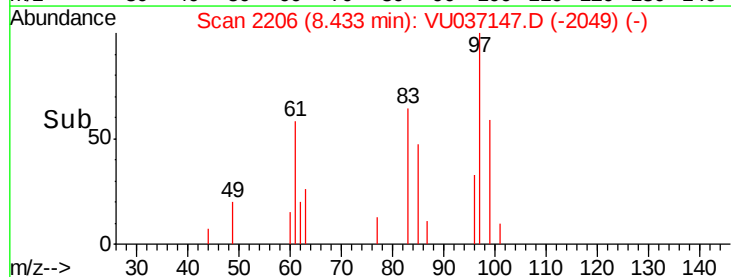
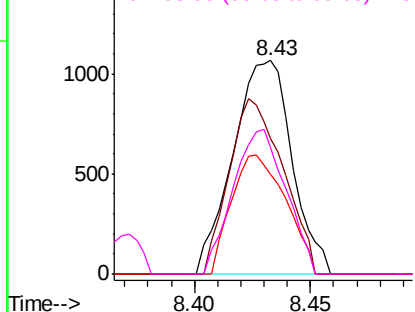
#52

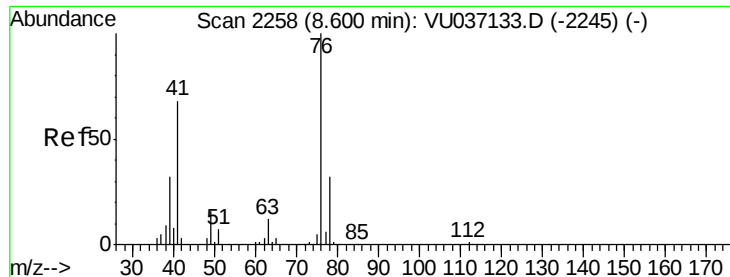
1,1,2-Trichloroethane
Concen: 0.578 ug/l
RT: 8.43 min Scan# 2206
Delta R.T. 0.01 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

Tgt Ion: 97 Resp: 1882
Ion Ratio Lower Upper
97 100
83 63.7 70.9 106.3#
85 46.7 45.6 68.4
99 59.2 51.0 76.4



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

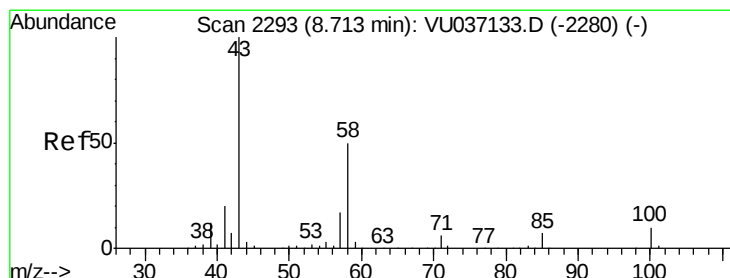
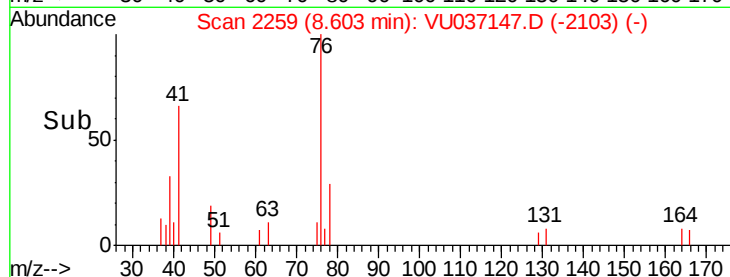
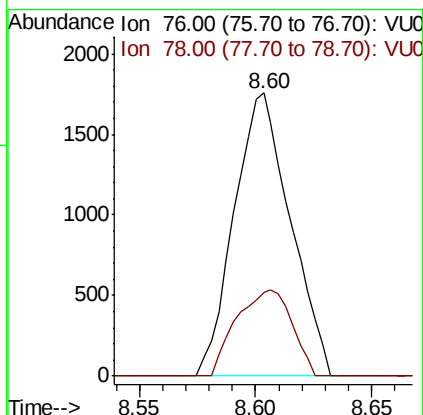
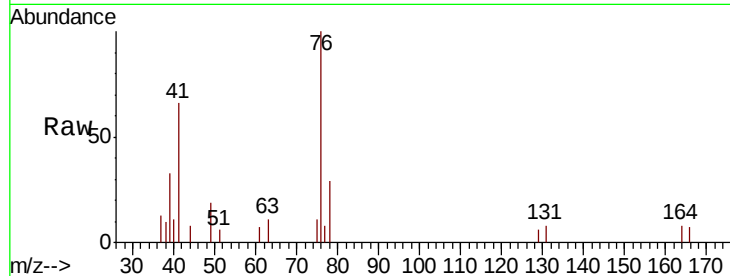




#53
 1,3-Dichloropropane
 Concen: 0.512 ug/l
 RT: 8.60 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: VU037147.D
 Acq: 10 Mar 2020 12:10

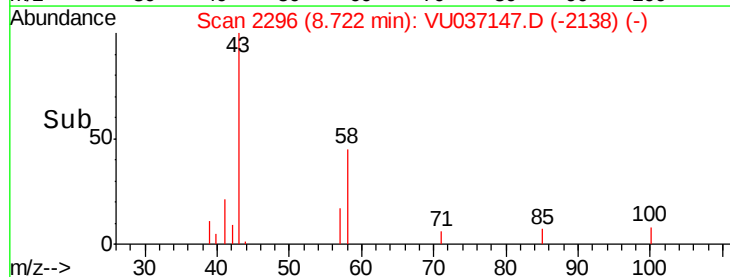
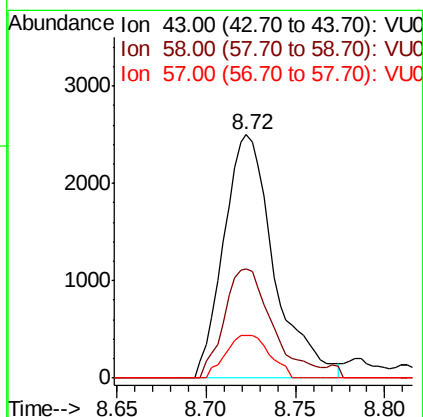
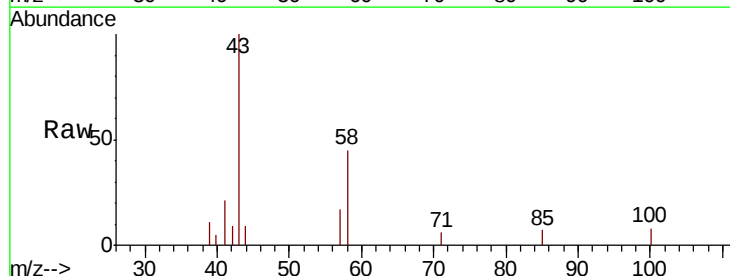
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

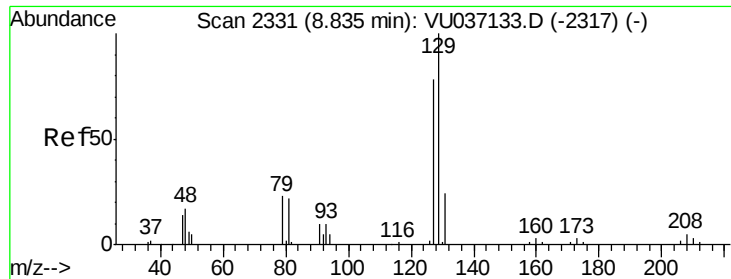
Tot Ion: 76 Resp: 2957
 Ion Ratio Lower Upper
 76 100
 78 30.0 25.4 38.2



#54
 2-Hexanone
 Concen: 2.174 ug/l
 RT: 8.72 min Scan# 2296
 Delta R.T. 0.01 min
 Lab File: VU037147.D
 Acq: 10 Mar 2020 12:10

Tgt Ion: 43 Resp: 4903
 Ion Ratio Lower Upper
 43 100
 58 43.1 40.6 80.6
 57 15.3 1.2 41.2





#55

Dibromochloromethane

Concen: 0.495 ug/l

RT: 8.83 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

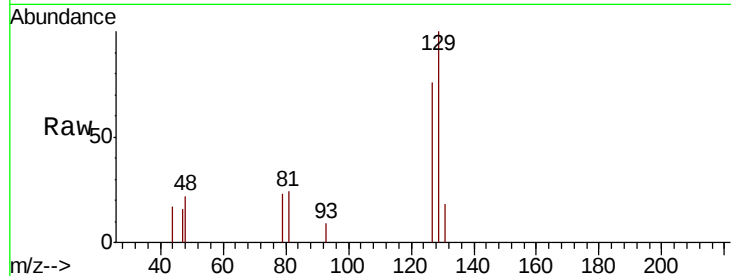
LOQ-WATER-02-QT1-2020

Tot Ion:129 Resp: 1997

Ion Ratio Lower Upper

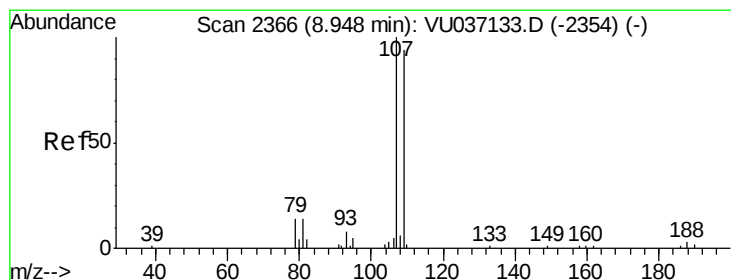
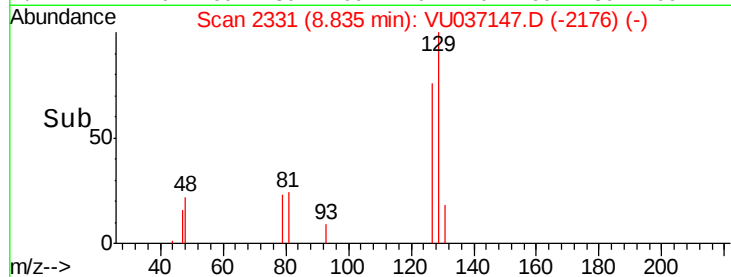
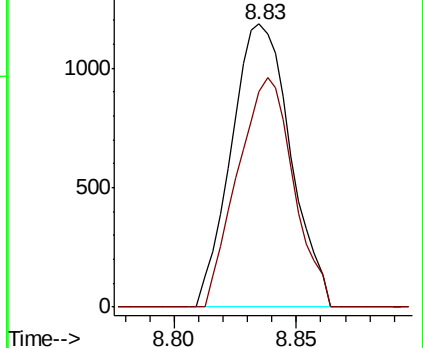
129 100

127 76.5 62.6 94.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.476 ug/l

RT: 8.95 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VU037147.D

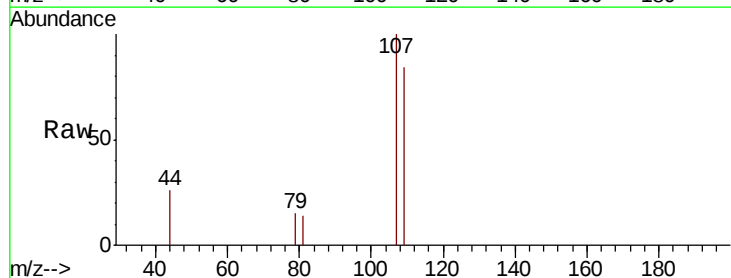
Acq: 10 Mar 2020 12:10

Tgt Ion:107 Resp: 1467

Ion Ratio Lower Upper

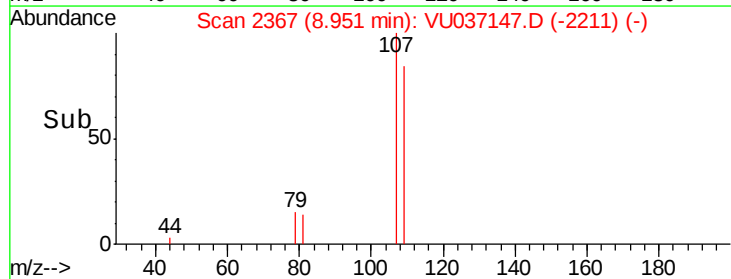
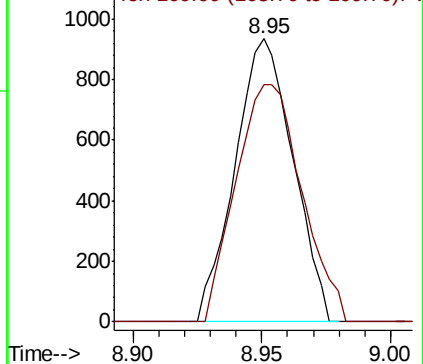
107 100

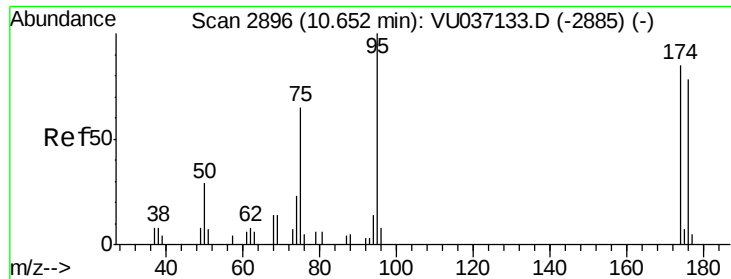
109 95.2 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

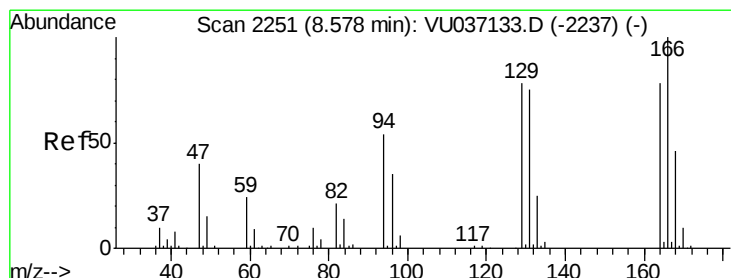
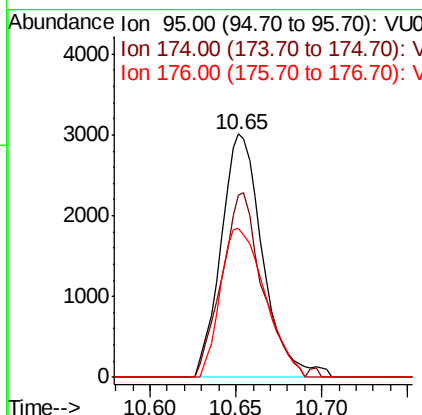
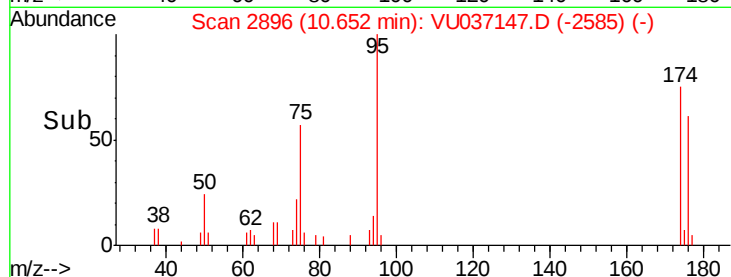
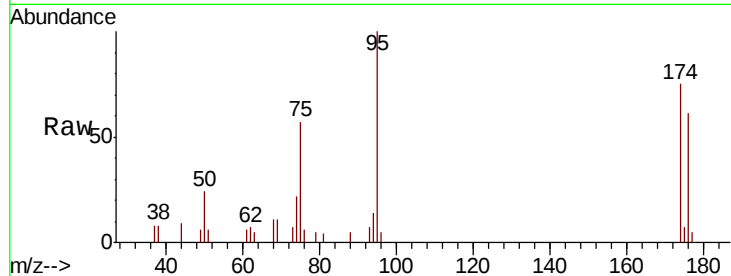




#57
4-Bromofluorobenzene
Concen: 0.917 ug/l
RT: 10.65 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

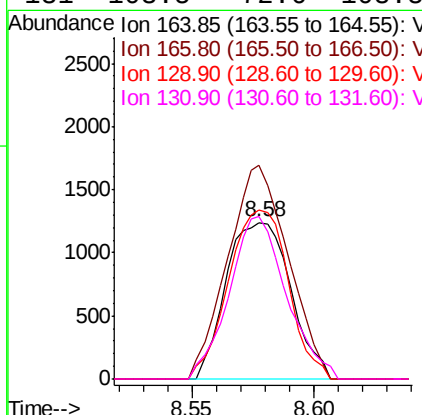
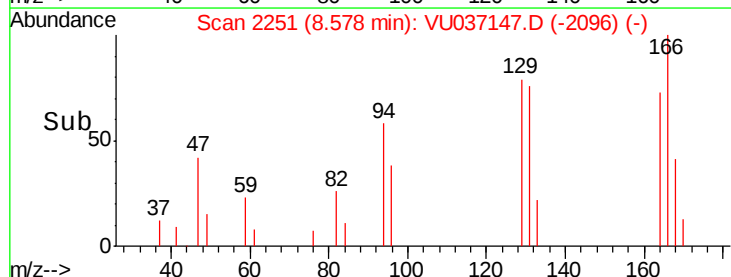
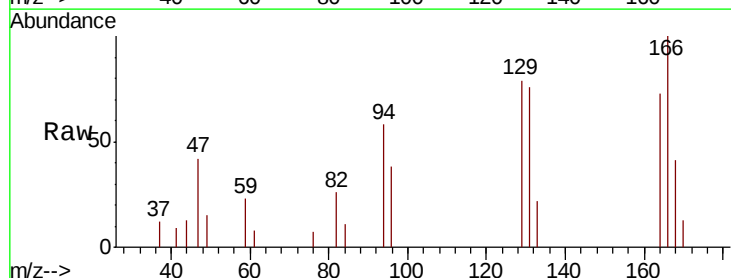
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2020

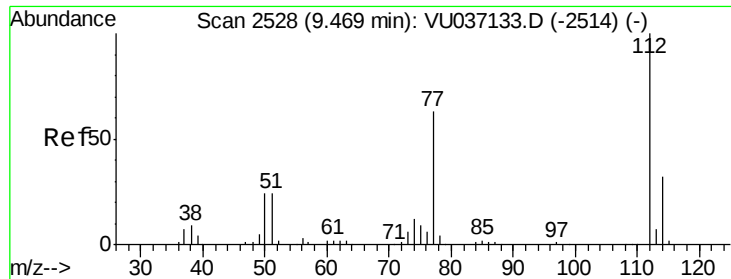
Tot Ion: 95 Resp: 5104
Ion Ratio Lower Upper
95 100
174 74.1 64.7 97.1
176 65.4 60.6 91.0



#58
Tetrachloroethene
Concen: 0.532 ug/l
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

Tgt Ion: 164 Resp: 2273
Ion Ratio Lower Upper
164 100
166 136.3 102.0 153.0
129 107.5 74.9 112.3
131 103.5 72.6 108.8





#59

Chlorobenzene

Concen: 0.520 ug/l

RT: 9.47 min Scan# 2529

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

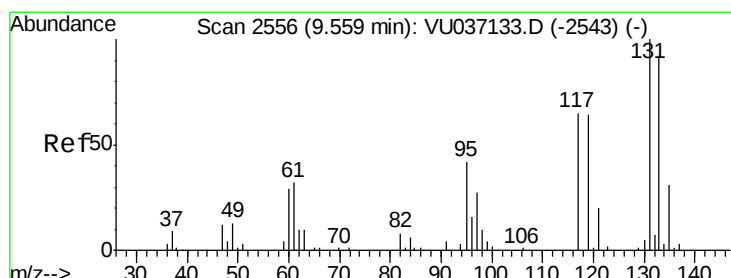
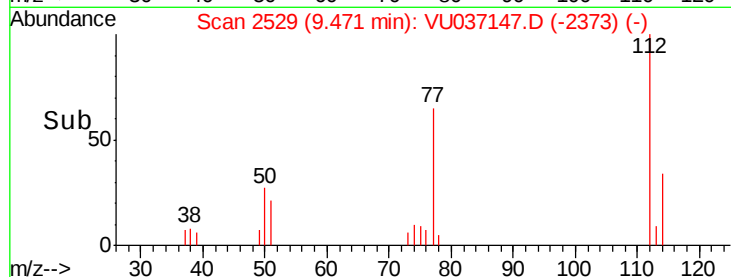
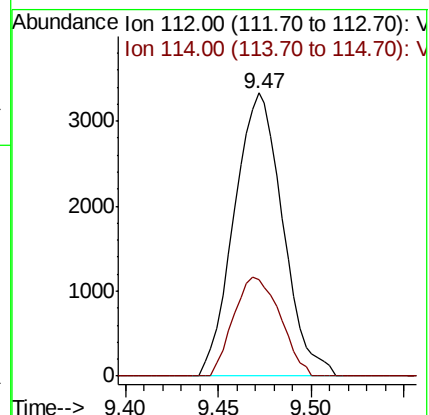
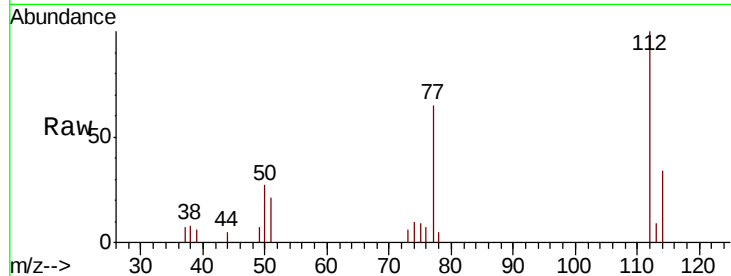
LOQ-WATER-02-QT1-2020

Tot Ion:112 Resp: 6079

Ion Ratio Lower Upper

112 100

114 33.9 25.8 38.8



#60

1,1,1,2-Tetrachloroethane

Concen: 0.521 ug/l

RT: 9.56 min Scan# 2555

Delta R.T. -0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

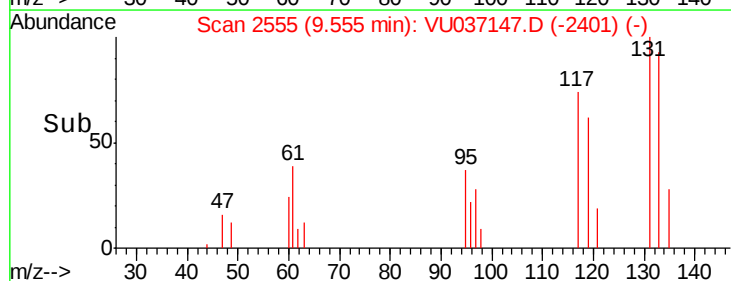
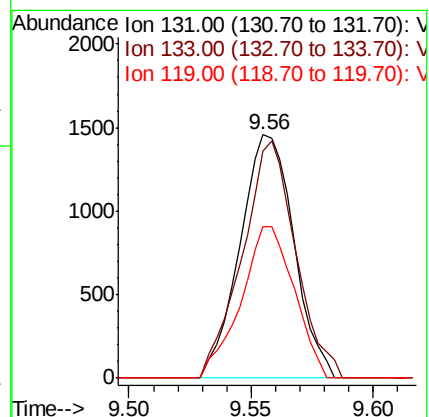
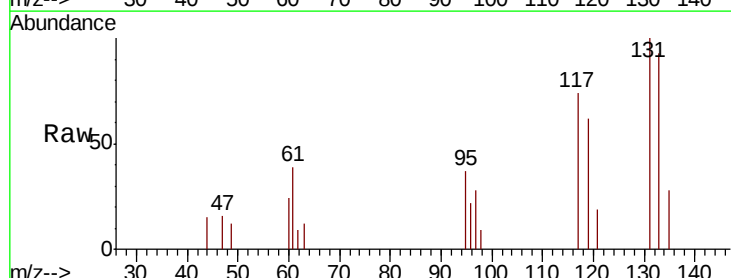
Tgt Ion:131 Resp: 2230

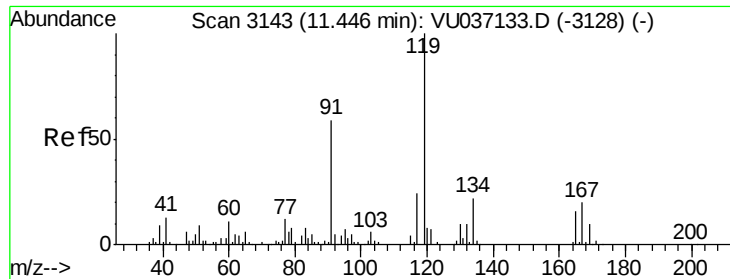
Ion Ratio Lower Upper

131 100

133 96.4 76.4 114.6

119 61.4 56.6 85.0

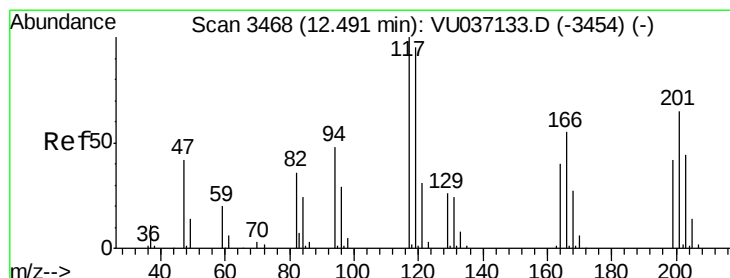
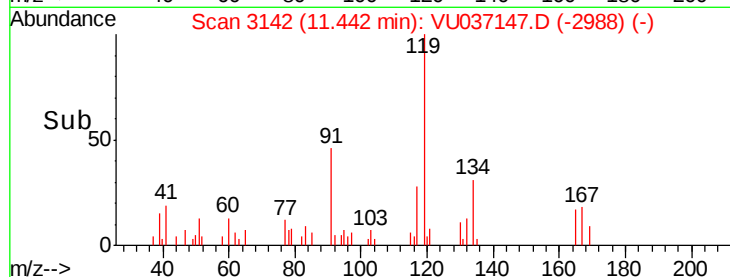
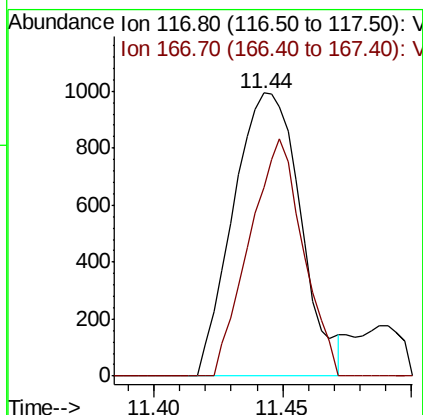
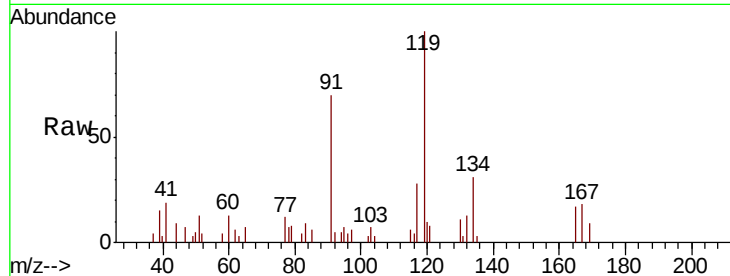




#61
 Pentachloroethane
 Concen: 0.553 ug/l
 RT: 11.44 min Scan# 3142
 Delta R.T. -0.00 min
 Lab File: VU037147.D
 Acq: 10 Mar 2020 12:10

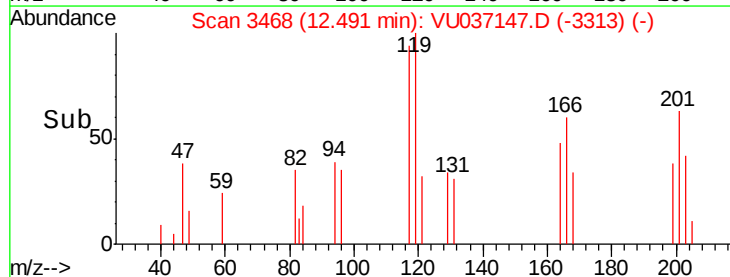
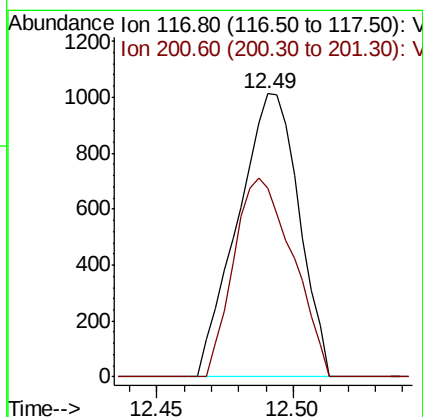
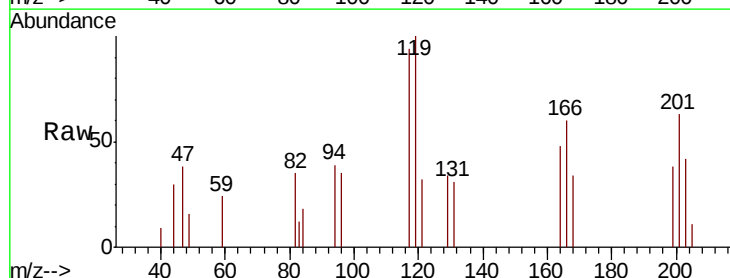
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

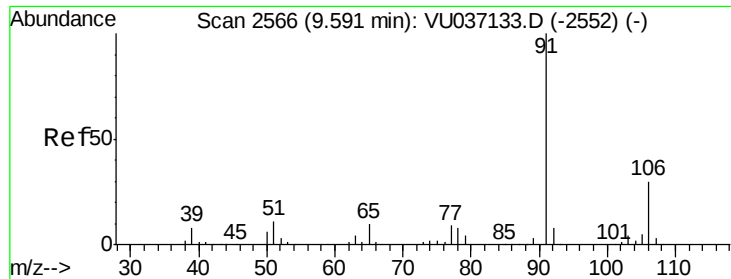
Tot Ion:117 Resp: 1807
 Ion Ratio Lower Upper
 117 100
 167 66.9 66.7 100.1



#62
 Hexachloroethane
 Concen: 0.450 ug/l
 RT: 12.49 min Scan# 3468
 Delta R.T. -0.00 min
 Lab File: VU037147.D
 Acq: 10 Mar 2020 12:10

Tgt Ion:117 Resp: 1574
 Ion Ratio Lower Upper
 117 100
 201 68.3 65.0 97.4





#63

Ethyl Benzene

Concen: 0.439 ug/l

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

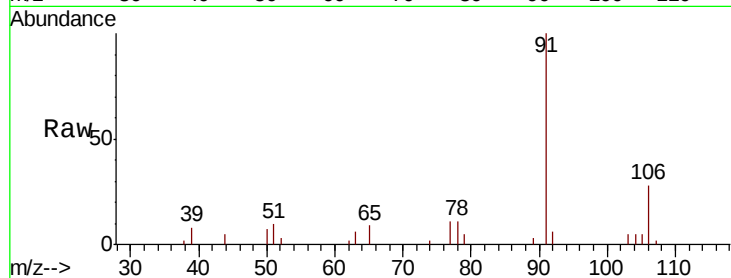
LOQ-WATER-02-QT1-2020

Tot Ion: 91 Resp: 8758

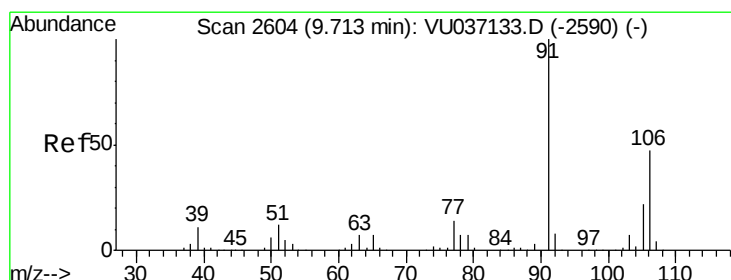
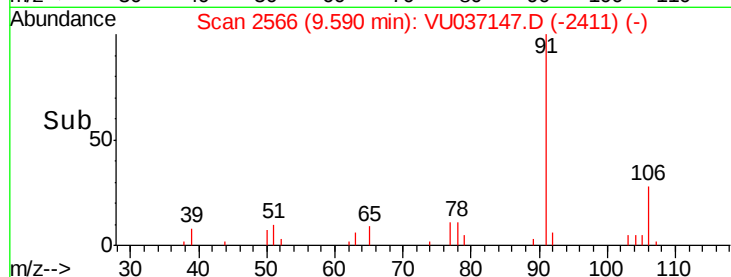
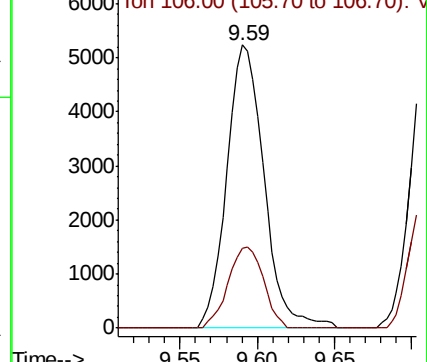
Ion Ratio Lower Upper

91 100

106 28.4 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VU037147.D (-2411) (-)



#64

m/p-Xylenes

Concen: 0.870 ug/l

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU037147.D

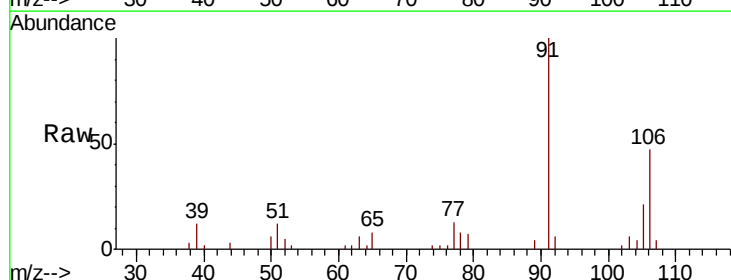
Acq: 10 Mar 2020 12:10

Tgt Ion: 106 Resp: 6572

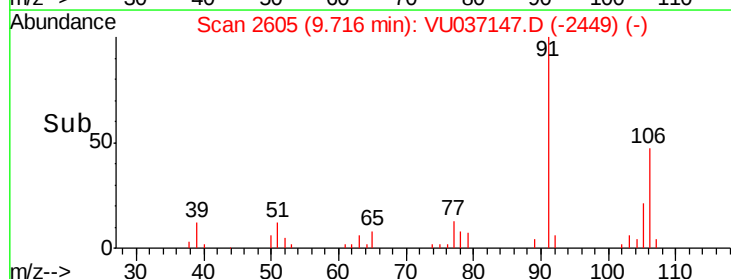
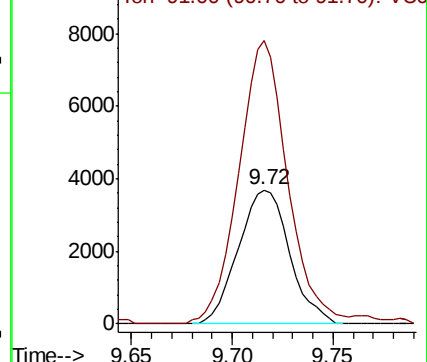
Ion Ratio Lower Upper

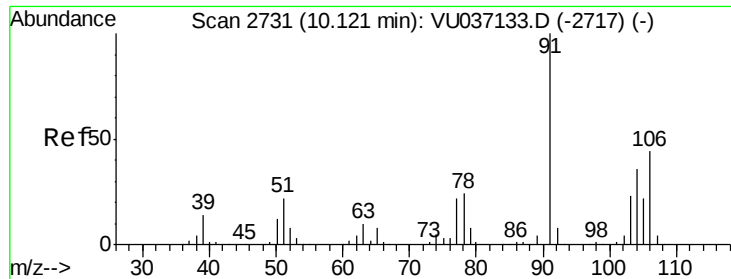
106 100

91 201.3 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VU037147.D (-2449) (-)

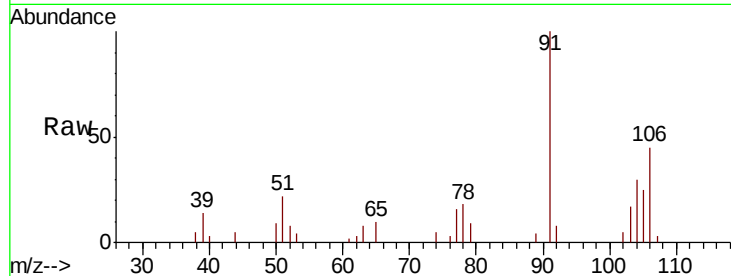




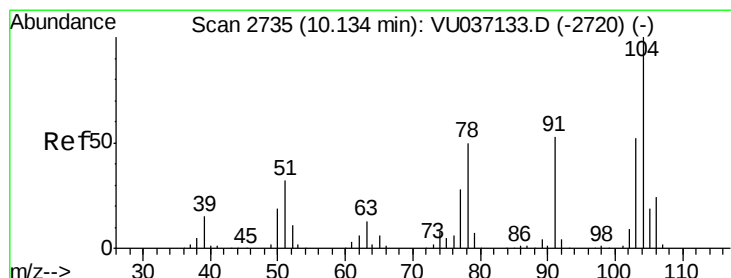
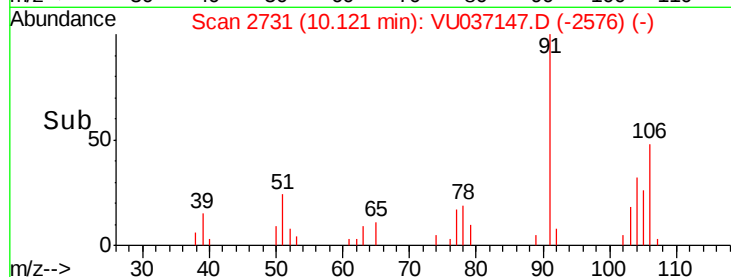
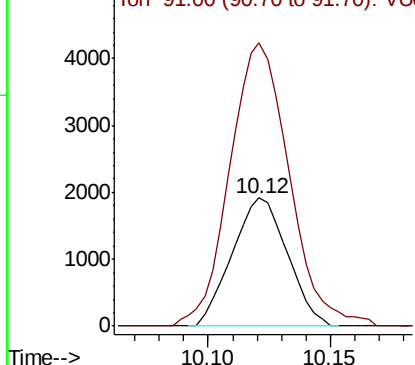
#65
o-Xylene
Concen: 0.412 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion:106 Resp: 3006
Ion Ratio Lower Upper
106 100
91 238.8 104.3 312.9

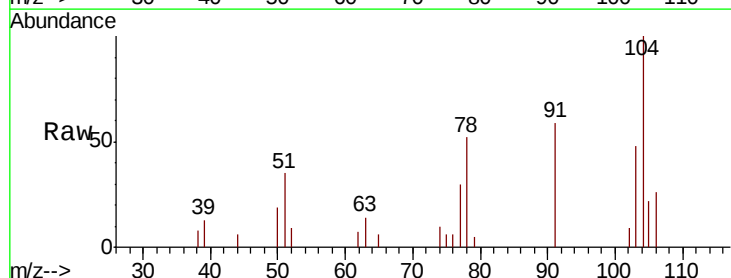


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

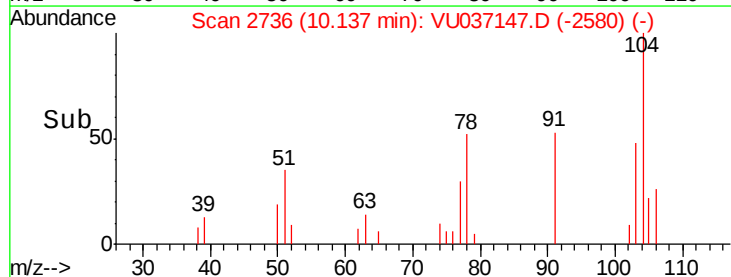
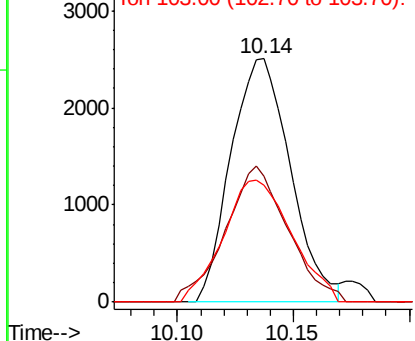


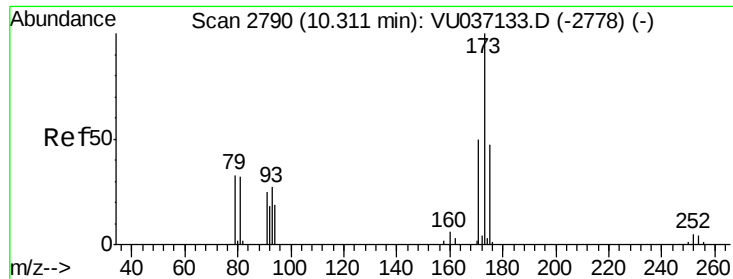
#66
Styrene
Concen: 0.375 ug/l
RT: 10.14 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

Tgt Ion:104 Resp: 4475
Ion Ratio Lower Upper
104 100
78 58.6 38.6 57.8#
103 57.5 44.4 66.6



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

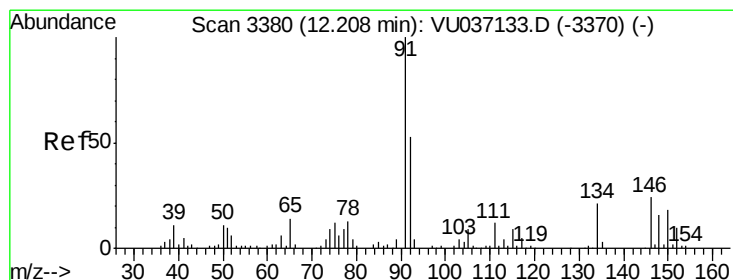
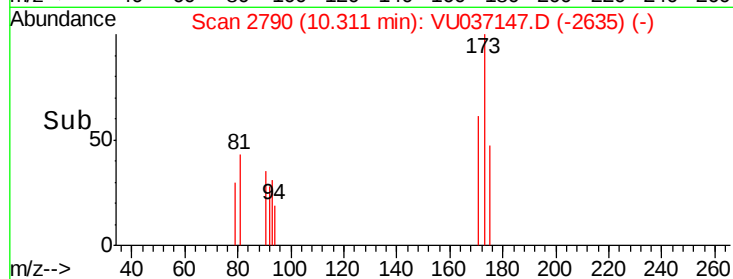
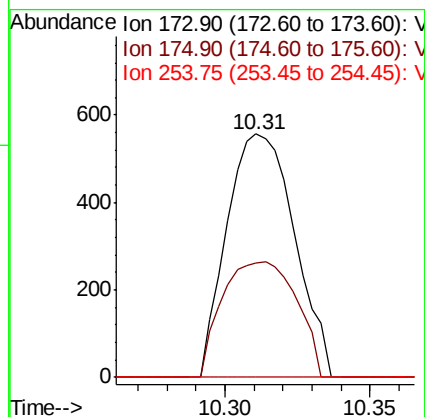
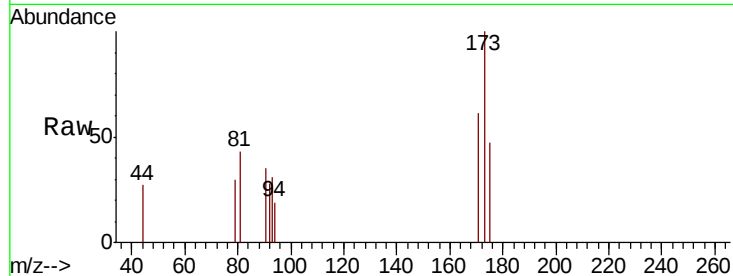




#67
 Bromoform
 Concen: 0.423 ug/l
 RT: 10.31 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VU037147.D
 Acq: 10 Mar 2020 12:10

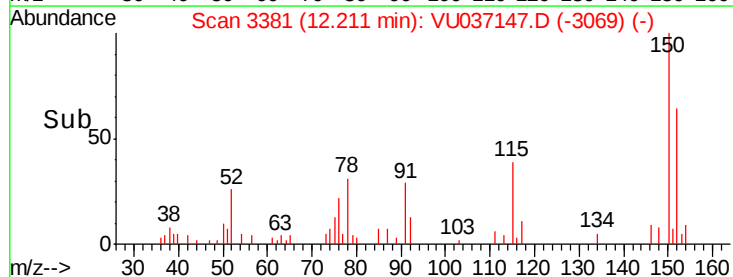
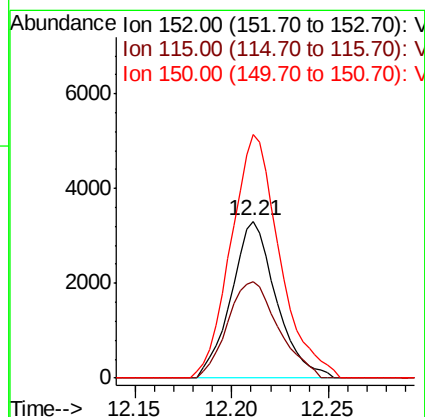
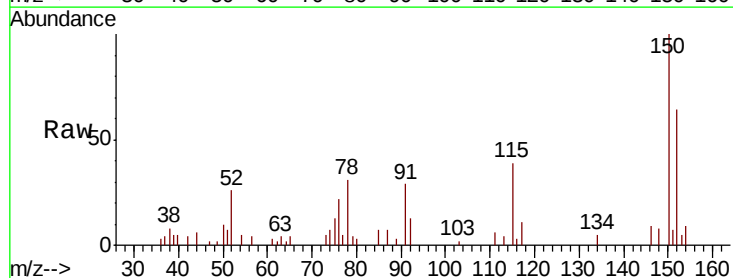
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

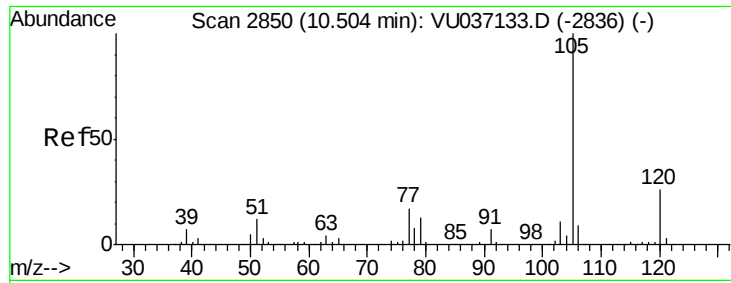
Tot Ion:173 Resp: 900
 Ion Ratio Lower Upper
 173 100
 175 52.2 38.3 57.5
 254 0.0 6.6 9.8#



#68
 1,2-Dichlorobenzene-d4
 Concen: 0.939 ug/l
 RT: 12.21 min Scan# 3381
 Delta R.T. 0.00 min
 Lab File: VU037147.D
 Acq: 10 Mar 2020 12:10

Tgt Ion:152 Resp: 5328
 Ion Ratio Lower Upper
 152 100
 115 69.5 0.0 241.8
 150 168.5 0.0 652.4





#69

Isopropylbenzene

Concen: 0.410 ug/l

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

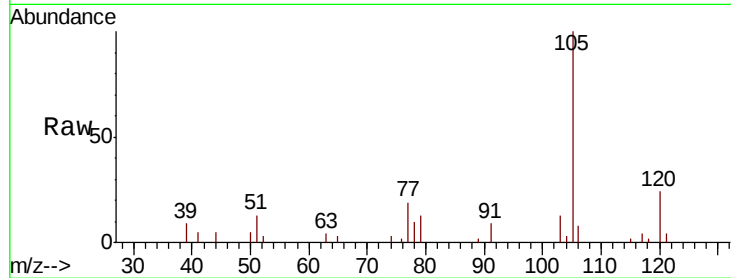
LOQ-WATER-02-QT1-2020

Tot Ion:105 Resp: 8154

Ion Ratio Lower Upper

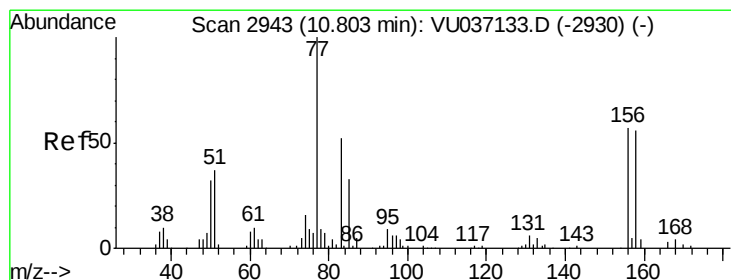
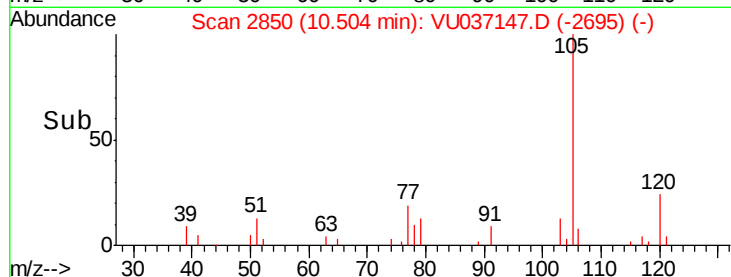
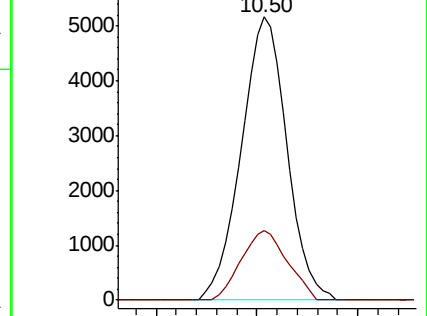
105 100

120 24.9 13.6 40.7



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: 0.481 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

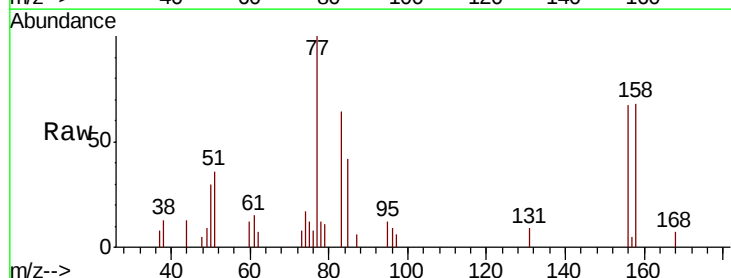
Tgt Ion: 83 Resp: 2060

Ion Ratio Lower Upper

83 100

131 11.8 7.8 11.8#

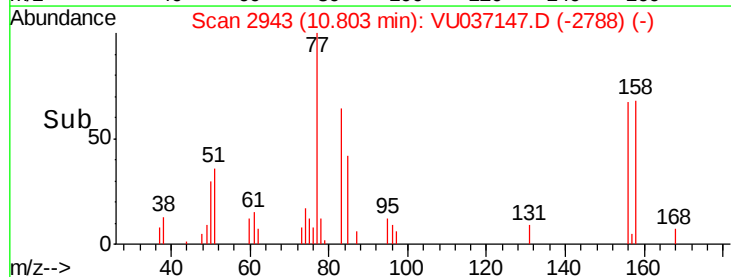
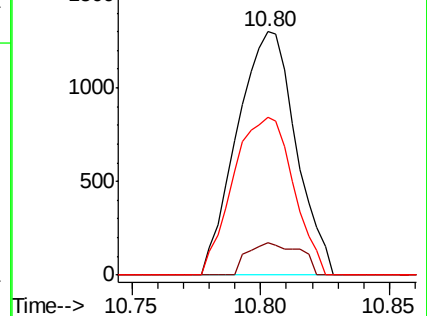
85 66.2 53.2 79.8

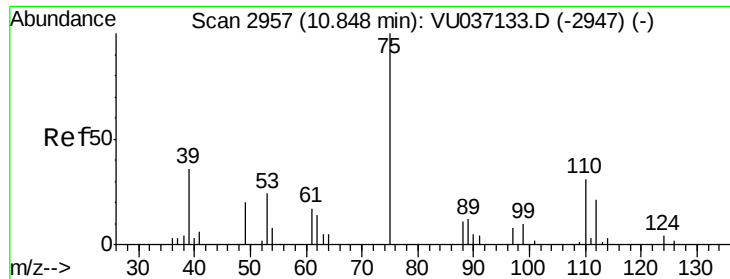


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

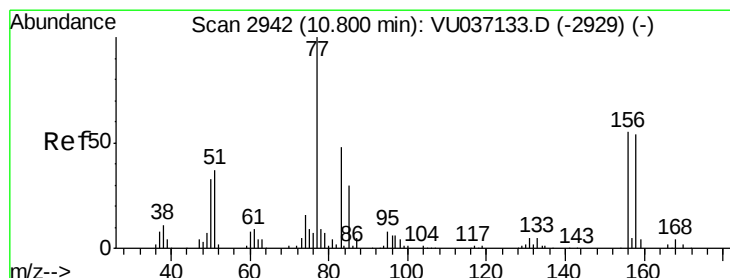
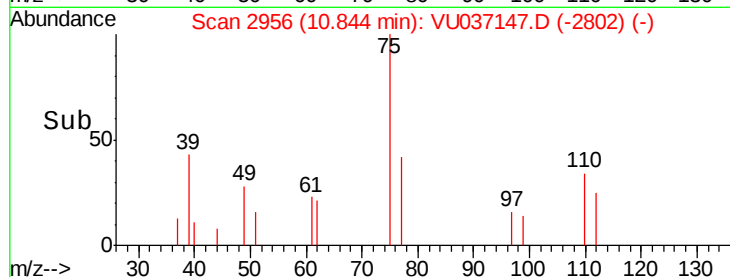
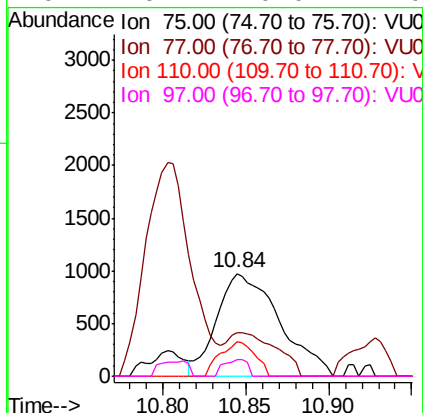
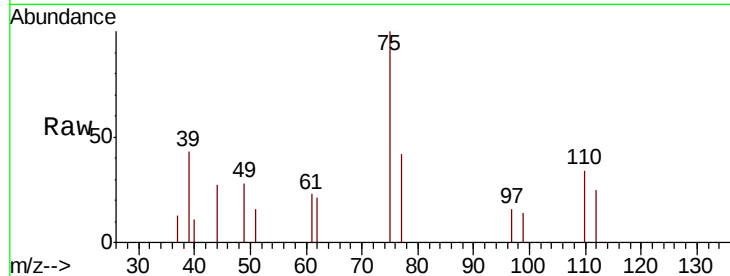




#71
 1,2,3-Trichloropropane
 Concen: 0.732 ug/l
 RT: 10.84 min Scan# 2956
 Delta R.T. -0.00 min
 Lab File: VU037147.D
 Acq: 10 Mar 2020 12:10

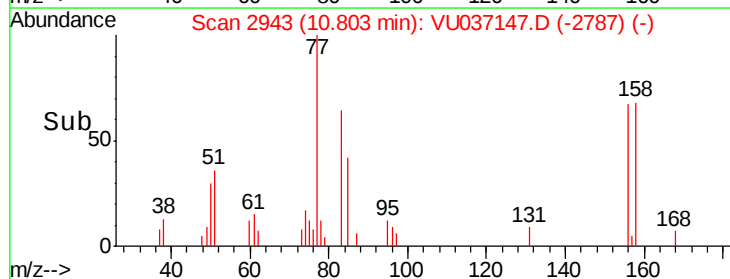
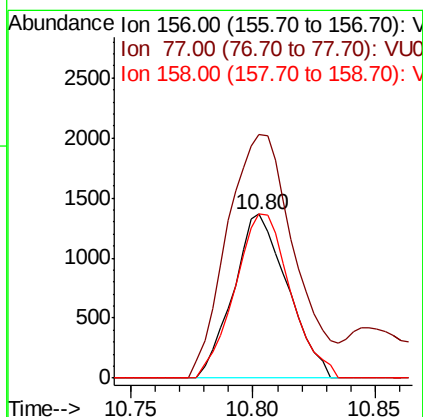
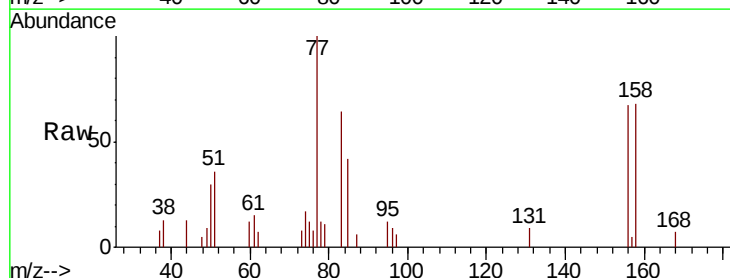
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

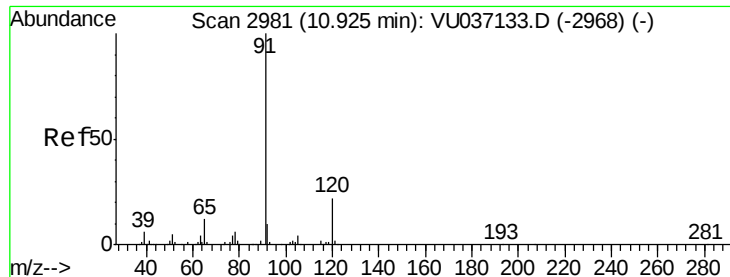
Tot Ion:	75	Resp:	2564
Ion	Ratio	Lower	Upper
75	100		
77	33.0	0.0	129.6
110	18.6	0.0	77.4
97	6.2	0.0	42.0



#72
 Bromobenzene
 Concen: 0.438 ug/l
 RT: 10.80 min Scan# 2943
 Delta R.T. 0.00 min
 Lab File: VU037147.D
 Acq: 10 Mar 2020 12:10

Tgt Ion:	156	Resp:	2104
Ion	Ratio	Lower	Upper
156	100		
77	185.1	0.0	306.6
158	102.8	0.0	192.0





#73

n-propylbenzene

Concen: 0.386 ug/l

RT: 10.92 min Scan# 2981

Delta R.T. -0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

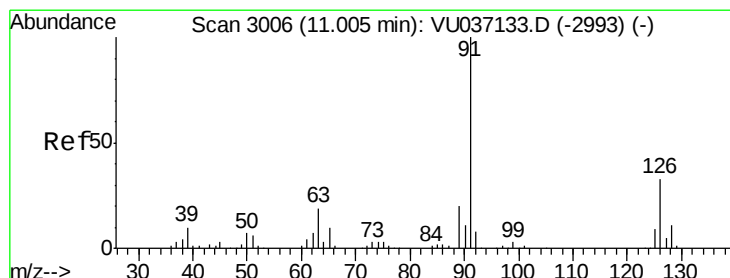
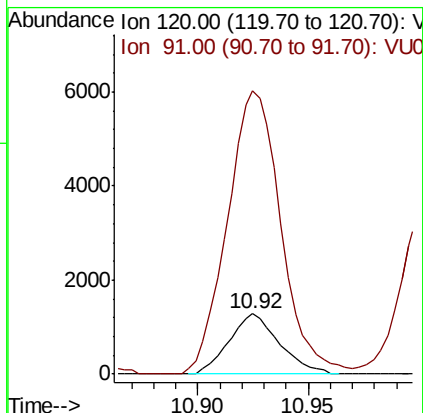
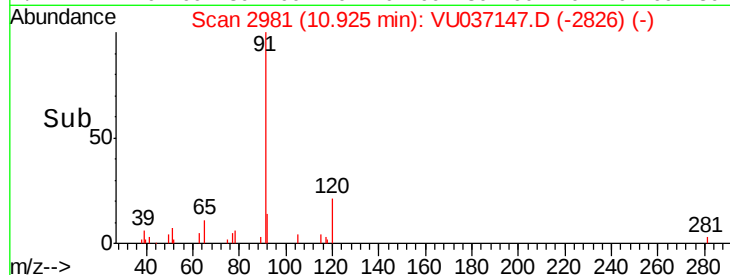
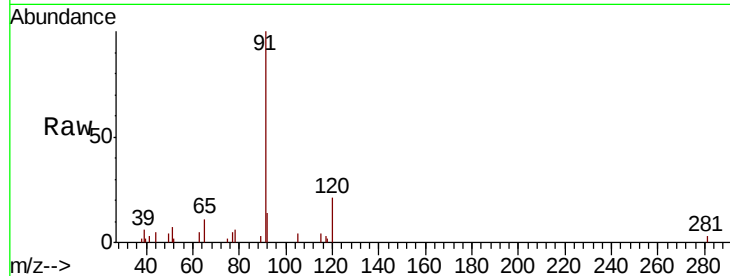
LOQ-WATER-02-QT1-2020

Tot Ion:120 Resp: 2032

Ion Ratio Lower Upper

120 100

91 501.3 329.5 494.3#



#74

2-Chlorotoluene

Concen: 0.361 ug/l

RT: 11.01 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU037147.D

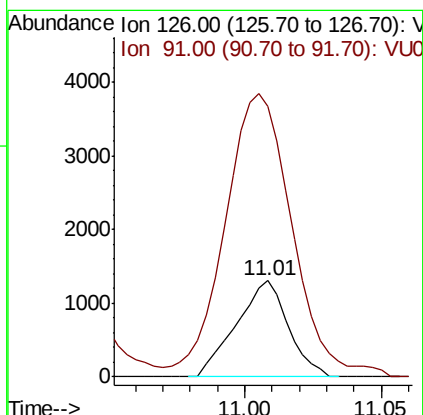
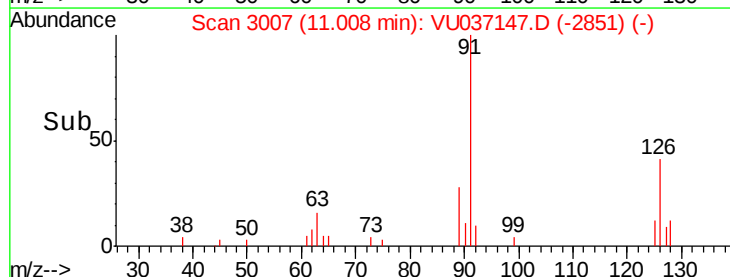
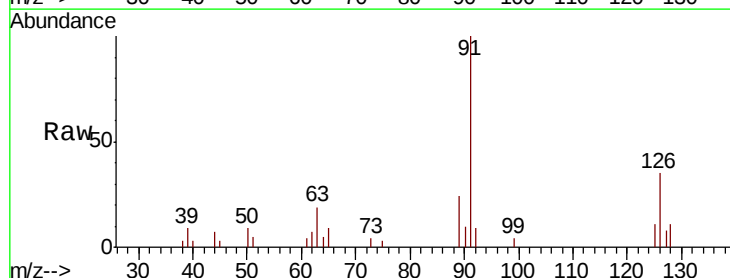
Acq: 10 Mar 2020 12:10

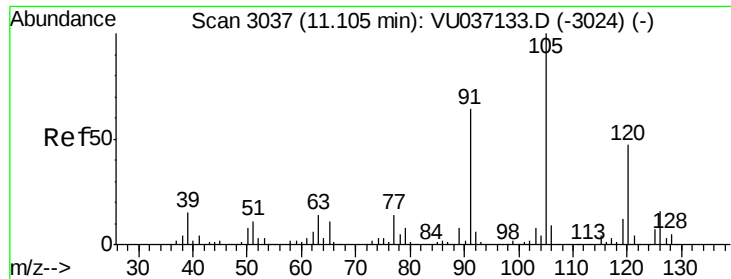
Tgt Ion:126 Resp: 1723

Ion Ratio Lower Upper

126 100

91 382.0 0.0 567.4





#75

1,3,5-Trimethylbenzene

Concen: 0.420 ug/l

RT: 11.11 min Scan# 3038

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

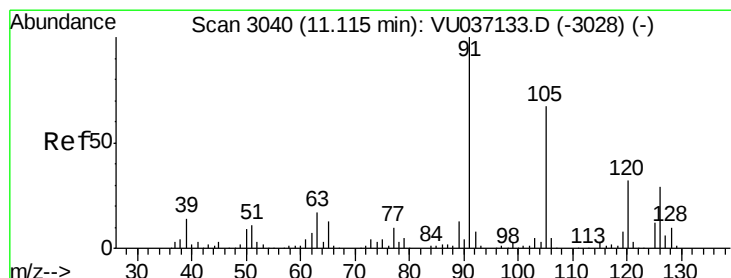
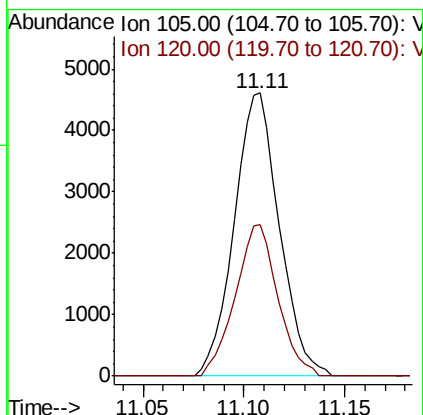
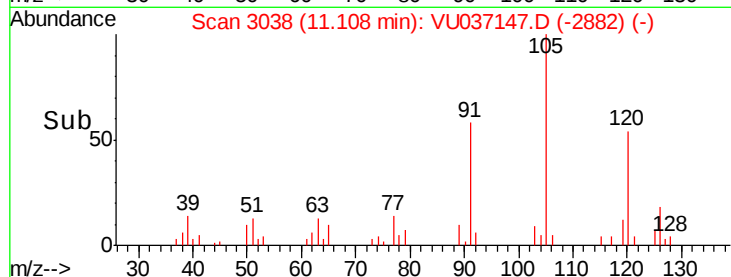
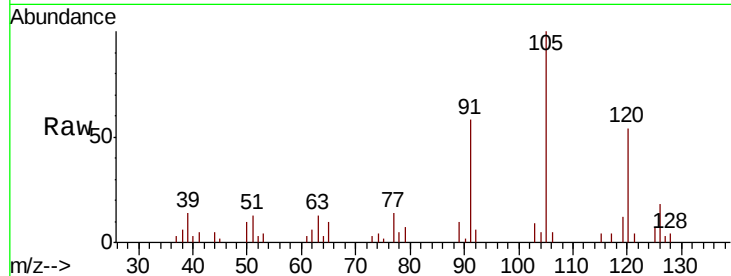
LOQ-WATER-02-QT1-2020

Tot Ion:105 Resp: 7230

Ion Ratio Lower Upper

105 100

120 50.3 39.8 59.8



#76

4-Chlorotoluene

Concen: 0.411 ug/l

RT: 11.12 min Scan# 3041

Delta R.T. 0.00 min

Lab File: VU037147.D

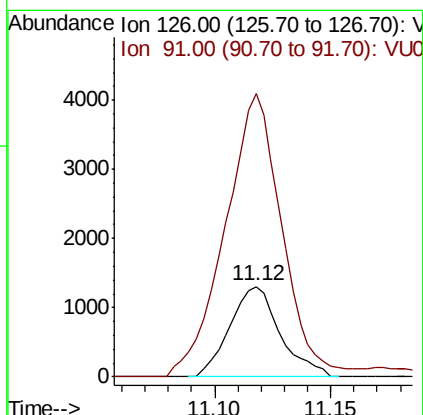
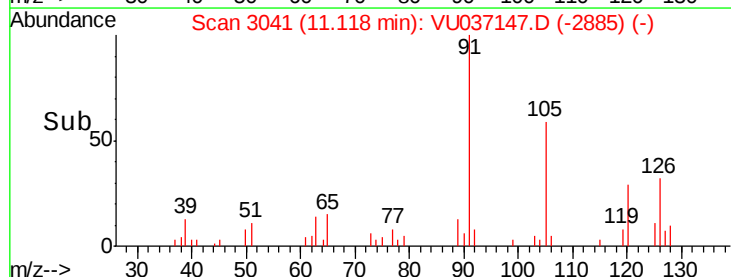
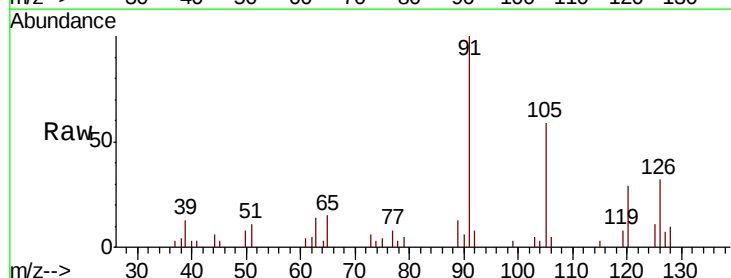
Acq: 10 Mar 2020 12:10

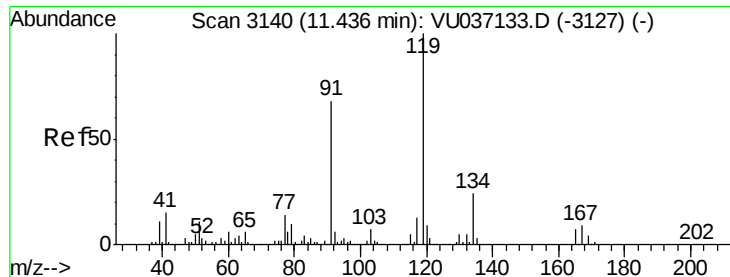
Tgt Ion:126 Resp: 1974

Ion Ratio Lower Upper

126 100

91 352.4 0.0 633.0





#77

tert-Butylbenzene

Concen: 0.420 ug/l

RT: 11.44 min Scan# 3141

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2020

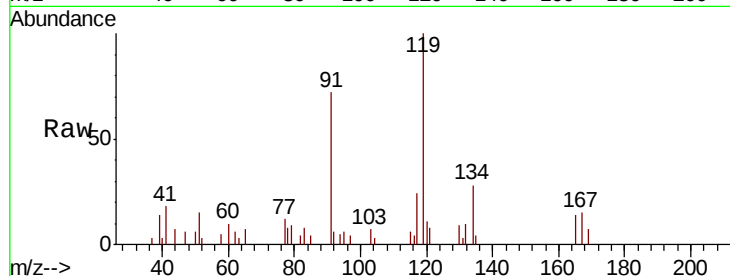
Tot Ion:119 Resp: 7038

Ion Ratio Lower Upper

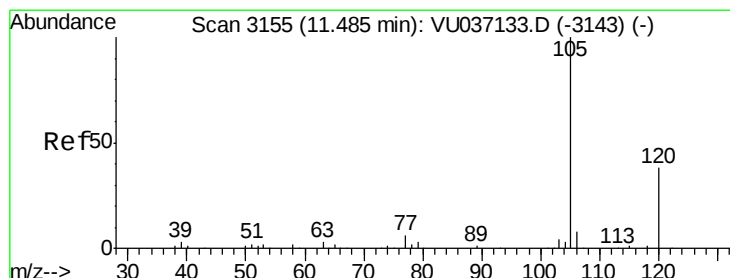
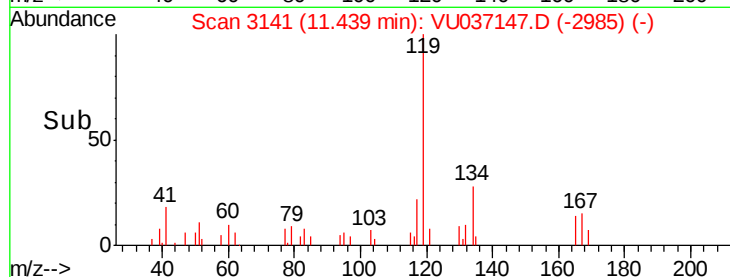
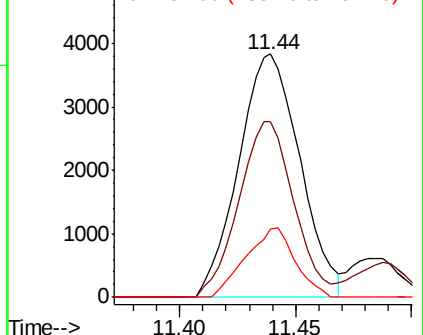
119 100

91 64.6 29.3 87.8

134 23.1 19.0 28.4



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



#78

1,2,4-Trimethylbenzene

Concen: 0.390 ug/l

RT: 11.48 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VU037147.D

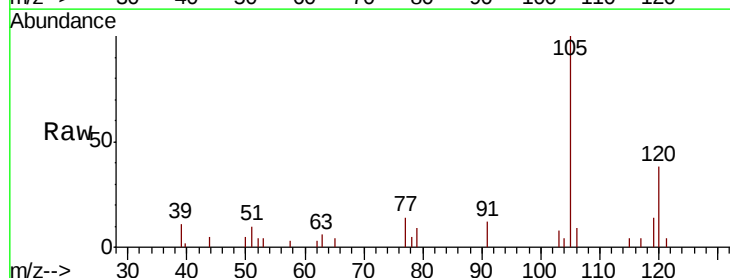
Acq: 10 Mar 2020 12:10

Tgt Ion:105 Resp: 6768

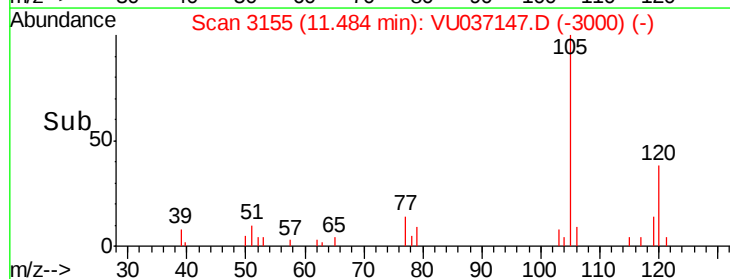
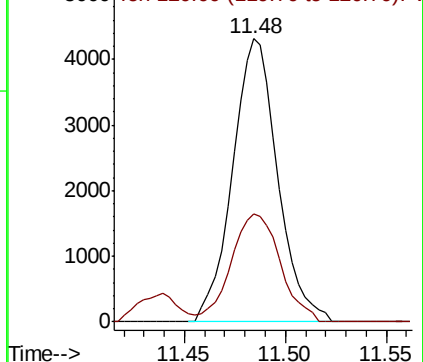
Ion Ratio Lower Upper

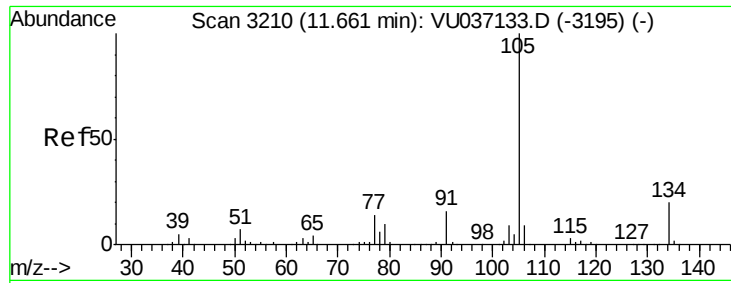
105 100

120 41.6 23.3 69.8



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





#79

sec-Butylbenzene

Concen: 0.414 ug/l

RT: 11.66 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

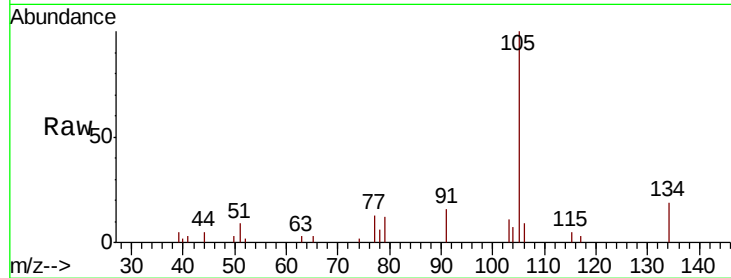
LOQ-WATER-02-QT1-2020

Tot Ion:105 Resp: 9454

Ion Ratio Lower Upper

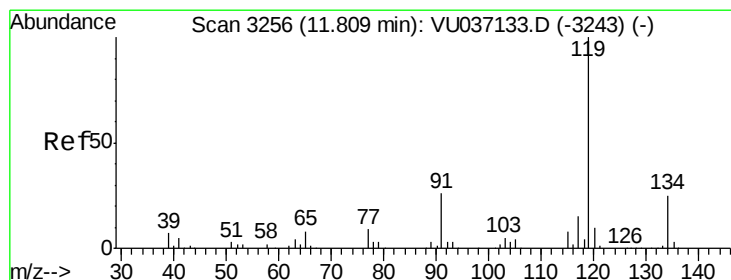
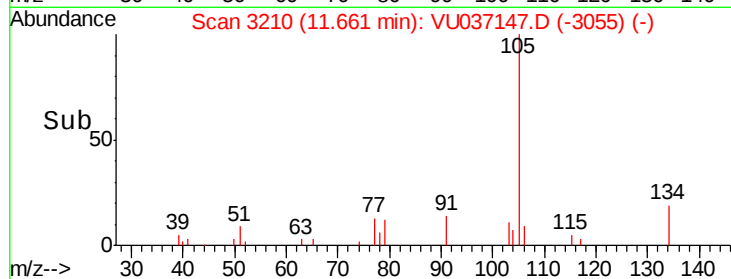
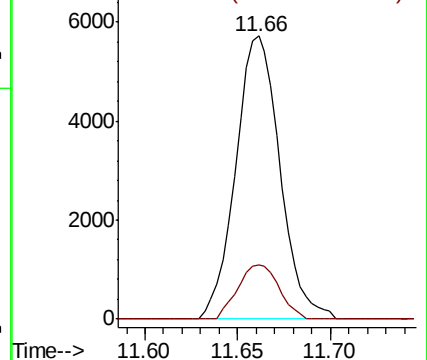
105 100

134 17.9 16.0 24.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#81

p-Isopropyltoluene

Concen: 0.387 ug/l

RT: 11.81 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

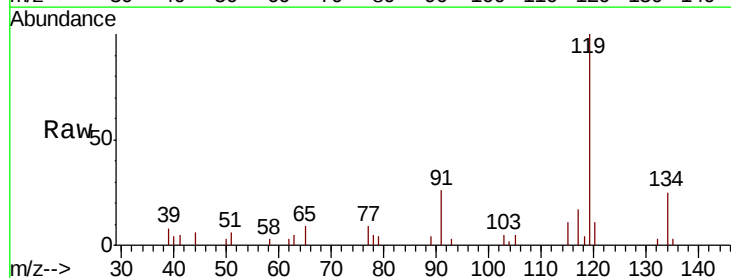
Tgt Ion:119 Resp: 6967

Ion Ratio Lower Upper

119 100

134 23.9 21.4 32.0

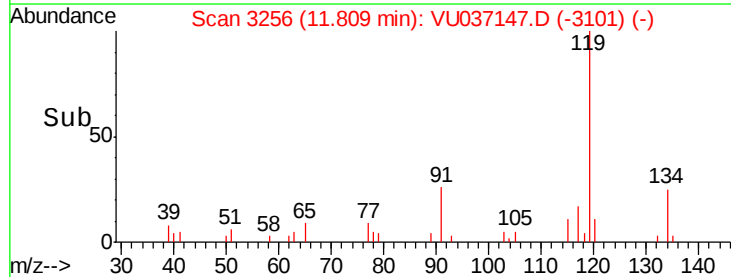
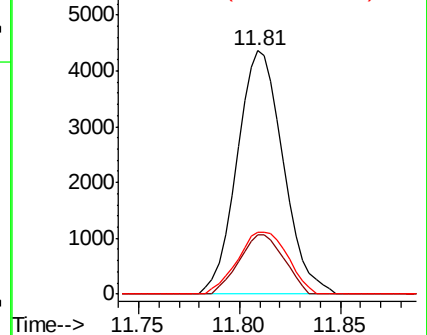
91 27.8 18.3 27.5#

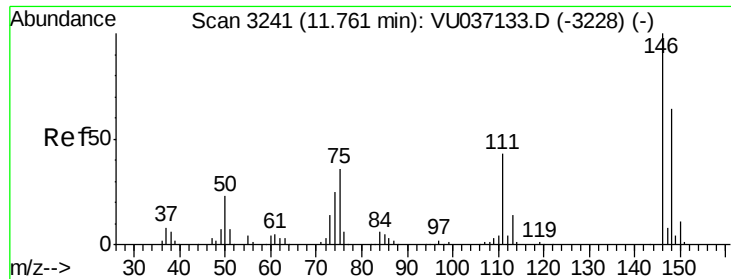


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#82

1,3-Dichlorobenzene

Concen: 0.497 ug/l

RT: 11.77 min Scan# 3243

Delta R.T. 0.01 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2020

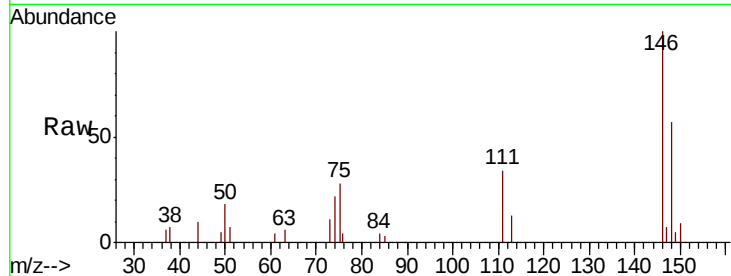
Tot Ion:146 Resp: 4738

Ion Ratio Lower Upper

146 100

111 38.0 32.2 48.2

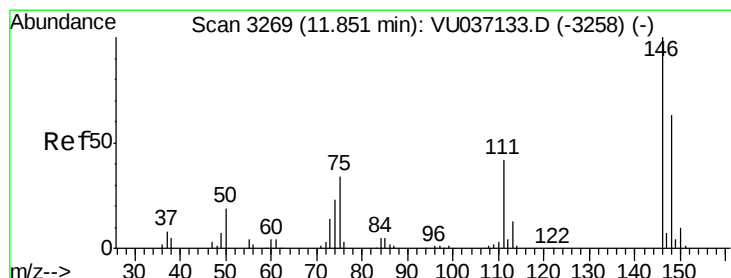
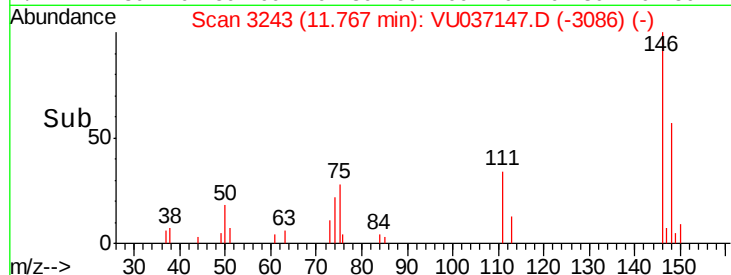
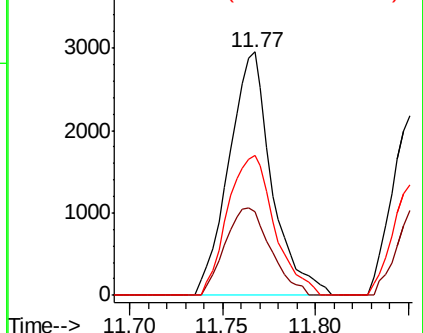
148 62.6 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#83

1,4-Dichlorobenzene

Concen: 0.442 ug/l

RT: 11.86 min Scan# 3271

Delta R.T. 0.01 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

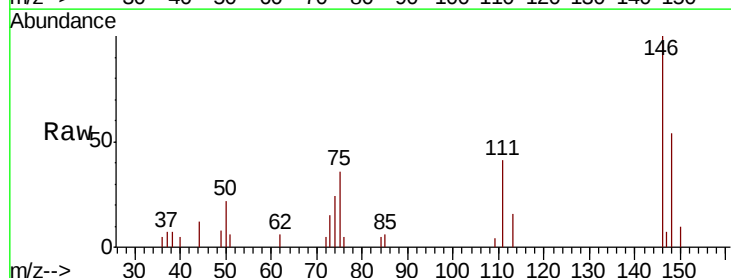
Tgt Ion:146 Resp: 4268

Ion Ratio Lower Upper

146 100

111 39.6 30.5 45.7

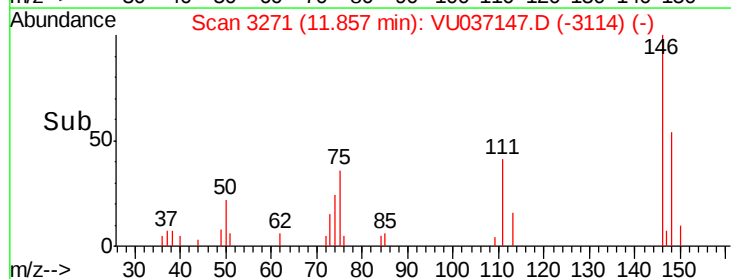
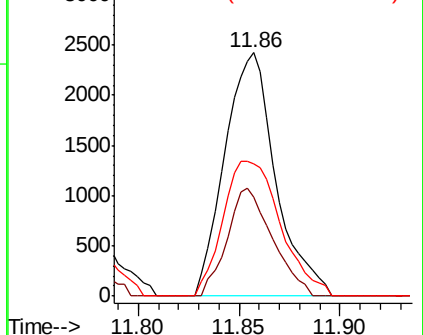
148 62.9 51.0 76.4

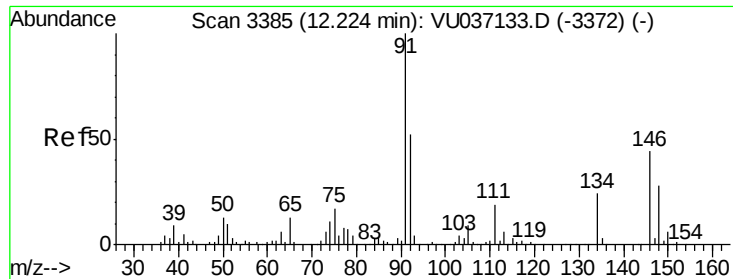


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

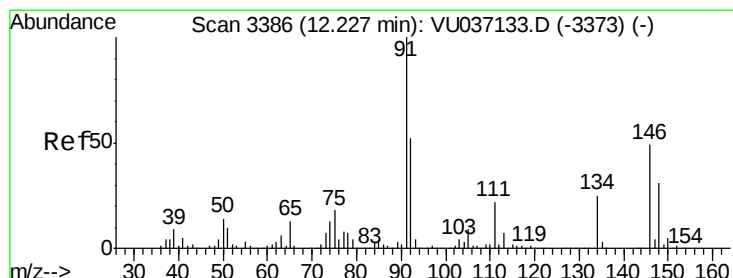
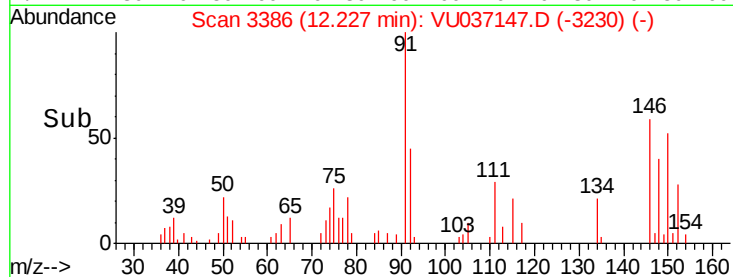
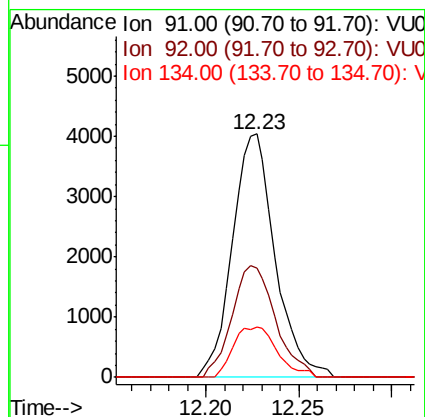
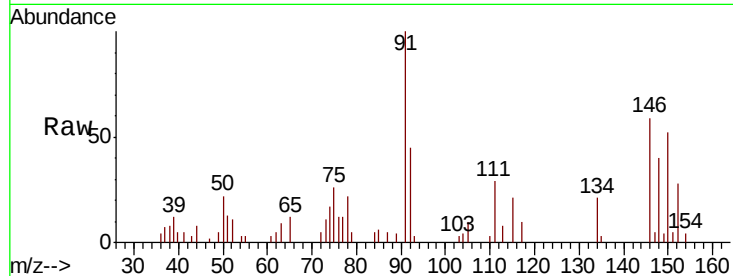




#84
n-Butylbenzene
Concen: 0.380 ug/l
RT: 12.23 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

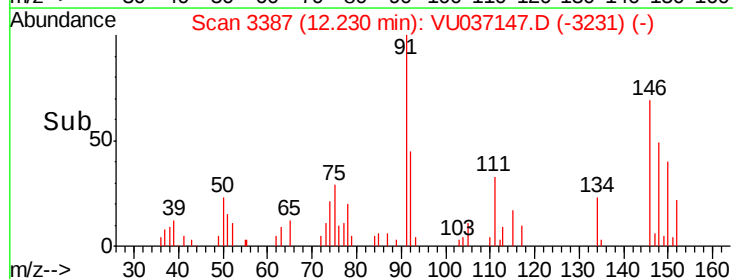
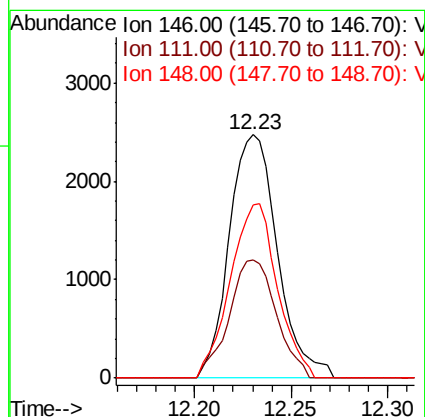
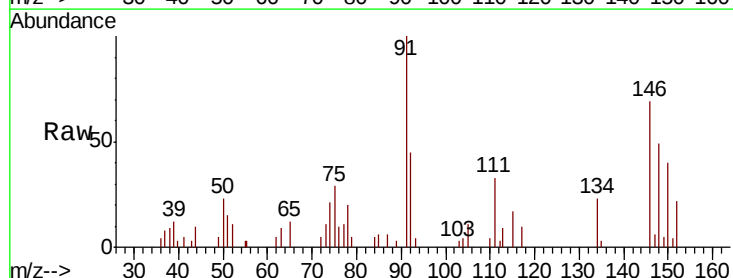
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2020

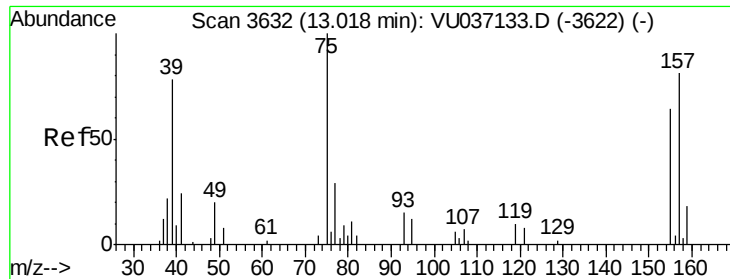
Tot Ion: 91 Resp: 6469
Ion Ratio Lower Upper
91 100
92 46.6 42.9 64.3
134 21.1 21.4 32.0#



#85
1,2-Dichlorobenzene
Concen: 0.465 ug/l
RT: 12.23 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VU037147.D
Acq: 10 Mar 2020 12:10

Tgt Ion: 146 Resp: 4283
Ion Ratio Lower Upper
146 100
111 47.4 20.8 62.4
148 69.8 32.0 96.2





#86

1,2-Dibromo-3-Chloropropane

Concen: 0.340 ug/l

RT: 13.02 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2020

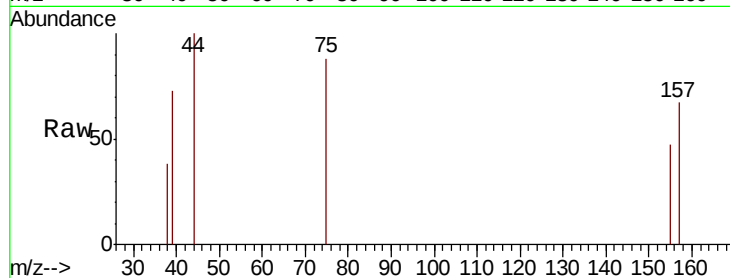
Tot Ion: 75 Resp: 257

Ion Ratio Lower Upper

75 100

155 36.2 71.8 107.8#

157 82.1 92.4 138.6#



Abundance Ion 75.00 (74.70 to 75.70): VU037147.D (-3477) (-)

Ion 155.00 (154.70 to 155.70): VU037147.D (-3477) (-)

Ion 157.00 (156.70 to 157.70): VU037147.D (-3477) (-)

13.02

250

200

150

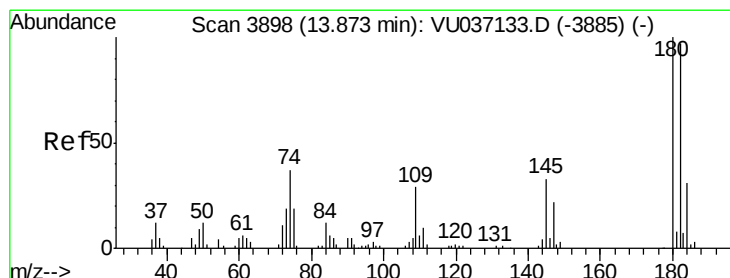
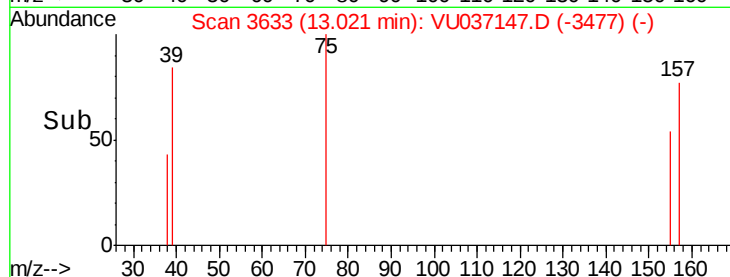
100

50

0

13.00 13.02 13.04

Time-->



#87

1,2,4-Trichlorobenzene

Concen: 0.385 ug/l

RT: 13.88 min Scan# 3899

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

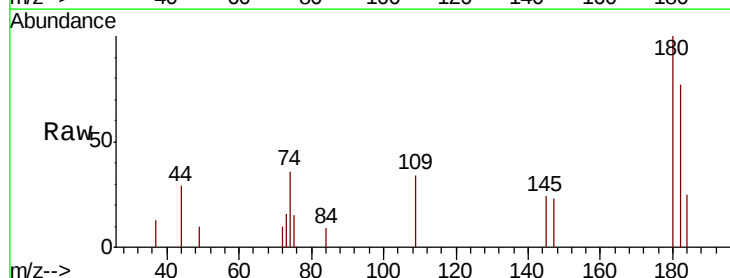
Tgt Ion:180 Resp: 1785

Ion Ratio Lower Upper

180 100

182 78.8 75.9 113.9

145 23.9 23.4 35.2



Abundance Ion 179.70 (179.40 to 180.40): VU037147.D (-3743) (-)

Ion 181.80 (181.50 to 182.50): VU037147.D (-3743) (-)

Ion 144.80 (144.50 to 145.50): VU037147.D (-3743) (-)

13.88

1500

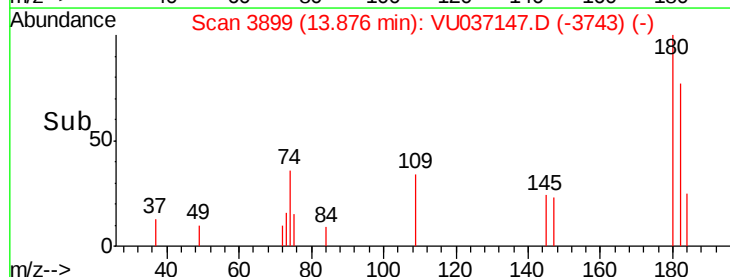
1000

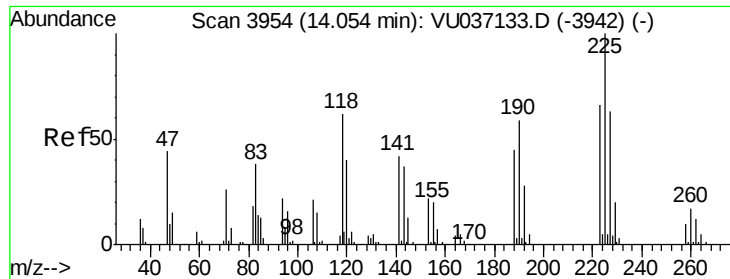
500

0

13.85 13.90

Time-->





#88

Hexachlorobutadiene

Concen: 0.473 ug/l

RT: 14.05 min Scan# 3954

Delta R.T. -0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2020

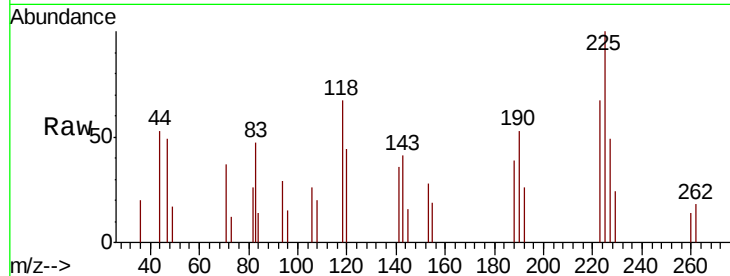
Tot Ion:225 Resp: 1357

Ion Ratio Lower Upper

225 100

223 69.9 51.7 77.5

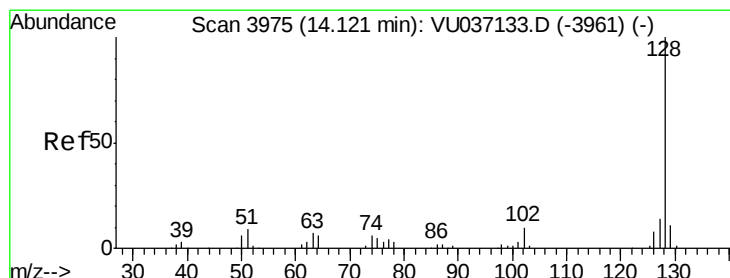
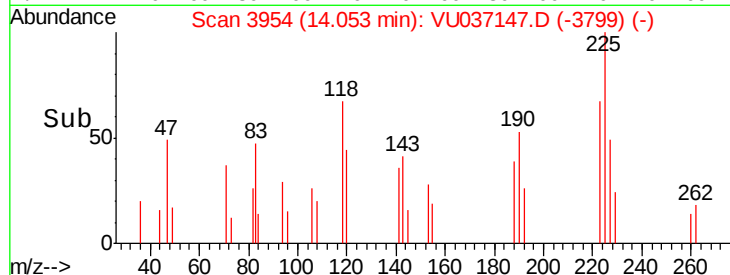
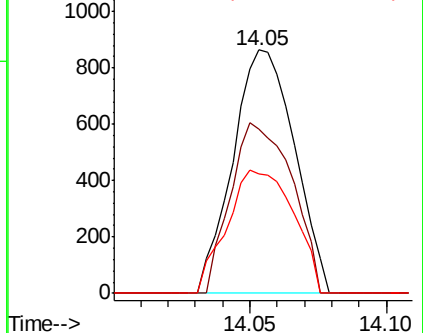
227 54.5 50.6 75.8



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: 0.534 ug/l

RT: 14.13 min Scan# 3977

Delta R.T. 0.01 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

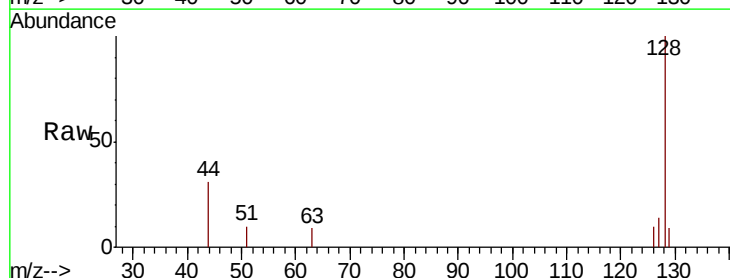
Tgt Ion:128 Resp: 2272

Ion Ratio Lower Upper

128 100

127 9.3 10.5 15.7#

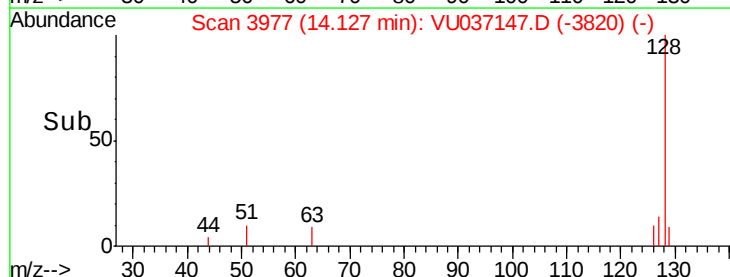
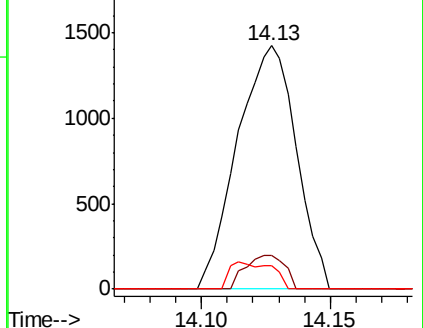
129 8.0 8.7 13.1#

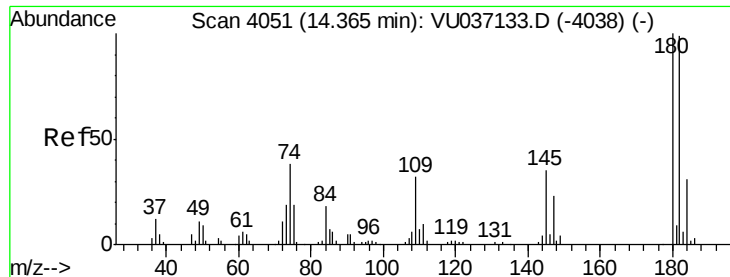


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#90

1,2,3-Trichlorobenzene

Concen: 0.365 ug/l

RT: 14.37 min Scan# 4052

Delta R.T. 0.00 min

Lab File: VU037147.D

Acq: 10 Mar 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2020

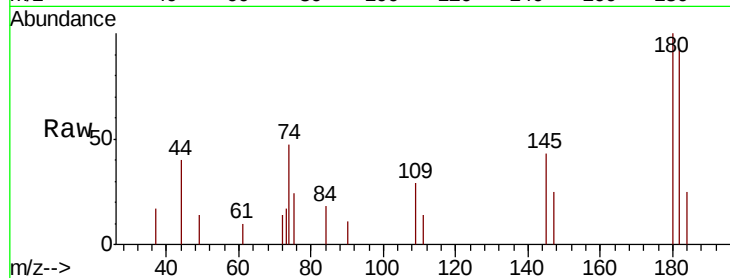
Tot Ion:180 Resp: 1645

Ion Ratio Lower Upper

180 100

182 97.7 76.2 114.4

145 33.8 25.2 37.8



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

