

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031419\
 Data File : VU030009.D
 Acq On : 12 Mar 2019 16:19
 Operator : JC/SP
 Sample : K1560-08 LOQ 1ppb
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Quant Time: Mar 13 05:53:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 13 04:21:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	58374	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	19551	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	23781	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	22212	1.038 ug/l	98
3) Chloromethane	1.33	50	24890	1.025 ug/l	99
4) Vinyl Chloride	1.40	62	20905	1.004 ug/l	96
5) Bromomethane	1.63	94	13835	1.163 ug/l	97
6) Chloroethane	1.70	64	13356	1.111 ug/l	97
7) Trichlorofluoromethane	1.89	101	28222	1.045 ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	15287	1.041 ug/l	96
9) 1,1-Dichloroethene	2.28	96	15176	1.042 ug/l	97
10) Iodomethane	2.41	142	13025	1.032 ug/l	98
11) Allyl Chloride	2.59	41	22669	1.101 ug/l	100
12) Acrylonitrile	2.94	53	6544	2.074 ug/l	95
13) Acetone	2.32	43	13685	4.983 ug/l	93
14) Carbon Disulfide	2.48	76	50344	0.992 ug/l	100
15) Methylene Chloride	2.70	84	19864	1.145 ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	18120	1.077 ug/l	95
17) 1,1-Dichloroethane	3.44	63	29923	1.052 ug/l	99
18) 2-Butanone	4.28	43	17511	4.606 ug/l	98
19) Cyclohexane	4.99	56	21175	0.869 ug/l	84
20) Methylcyclohexane	6.41	83	26806	0.997 ug/l	98
21) 2,2-Dichloropropane	4.22	77	24614	1.029 ug/l	95
22) cis-1,2-Dichloroethene	4.22	96	18787	1.005 ug/l	97
23) Diethyl Ether	2.10	59	11339	1.042 ug/l	94
24) tert-Butyl Alcohol	2.83	59	12173	10.452 ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	37895	1.030 ug/l	94
26) Bromochloromethane	4.55	128	8651	1.058 ug/l	97
27) Chloroform	4.67	83	30619	1.023 ug/l	96
28) 1,1,1-Trichloroethane	4.91	97	25631	1.041 ug/l	98
29) 1,1-Dichloropropene	5.13	75	22130	0.988 ug/l	98
30) Carbon Tetrachloride	5.13	117	21275	0.967 ug/l	94
31) Isopropyl Ether	3.58	45	41118	1.028 ug/l	97
32) Ethyl-t-butyl ether	4.07	59	37747	0.979 ug/l	97
33) Tert-Amyl methyl ether	5.58	73	35126	0.995 ug/l	99
34) Propionitrile	4.34	54	5231	4.936 ug/l #	86
35) Benzene	5.39	78	66794	1.019 ug/l	98
36) 1,2-Dichloroethane	5.40	62	17820	1.017 ug/l	100
37) Trichloroethene	6.18	130	19616	1.039 ug/l	91
38) 1,2-Dichloropropane	6.43	63	16845	1.011 ug/l	96
39) Methacrylonitrile	4.55	41	4020	0.870 ug/l #	94
40) Methyl acrylate	4.43	55	7169	0.982 ug/l #	86
41) Tetrahydrofuran	4.66	42	4481	1.753 ug/l	94
42) 1-Chlorobutane	5.06	56	29009	0.988 ug/l	99

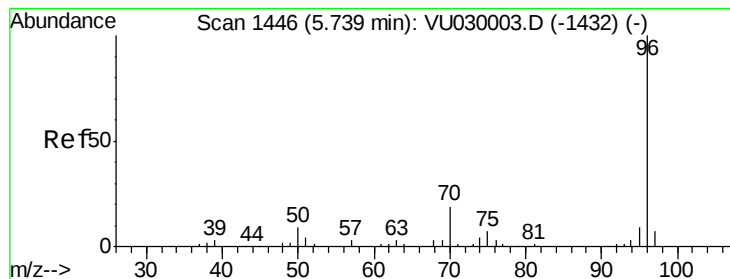
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031419\
 Data File : VU030009.D
 Acq On : 12 Mar 2019 16:19
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Quant Time: Mar 13 05:53:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 13 04:21:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	8750	1.015	ug/l	98
44) Bromodichloromethane	6.76	83	20367	0.990	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	41819	4.909	ug/l	98
46) t-1,4-Dichloro-2-butene	10.49	75	17274	5.149	ug/l #	52
47) Methyl methacrylate	6.63	69	13821	1.913	ug/l	94
48) Ethyl methacrylate	8.02	69	13861	1.017	ug/l	96
49) Toluene	7.63	92	38332	0.970	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	17379	0.943	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	21965	0.949	ug/l #	90
52) 1,1,2-Trichloroethane	8.06	97	12232	1.003	ug/l	97
53) 1,3-Dichloropropane	8.24	76	20474	1.004	ug/l	100
54) 2-Hexanone	8.37	43	29605	4.823	ug/l	95
55) Dibromochloromethane	8.47	129	14318	0.976	ug/l	95
56) 1,2-Dibromoethane	8.59	107	11398	0.972	ug/l	96
58) Tetrachloroethene	8.22	164	18326	1.069	ug/l	97
59) Chlorobenzene	9.12	112	44718	0.991	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.20	131	16196	1.016	ug/l	99
61) Pentachloroethane	11.10	117	11822	0.961	ug/l	99
62) Hexachloroethane	12.14	117	11878	0.958	ug/l	99
63) Ethyl Benzene	9.25	91	70597	0.952	ug/l	100
64) m/p-Xylenes	9.37	106	55894	1.916	ug/l	96
65) o-Xylene	9.78	106	27798	0.972	ug/l	99
66) Styrene	9.79	104	43682	0.932	ug/l	98
67) Bromoform	9.96	173	8264	0.986	ug/l	99
69) Isopropylbenzene	10.16	105	71359	0.957	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	15675	1.043	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	17274	1.529	ug/l #	77
72) Bromobenzene	10.45	156	18843	0.963	ug/l	95
73) n-propylbenzene	10.58	120	19504	0.922	ug/l	95
74) 2-Chlorotoluene	10.66	126	18232	0.984	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	59482	0.936	ug/l	99
76) 4-Chlorotoluene	10.77	126	18909	1.000	ug/l	89
77) tert-Butylbenzene	11.10	119	59464	0.956	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	62257	0.963	ug/l	98
79) sec-Butylbenzene	11.32	105	81470	0.978	ug/l	99
80) Nitrobenzene	12.87	77	533	1.986	ug/l #	60
81) p-Isopropyltoluene	11.47	119	66879	0.957	ug/l	97
82) 1,3-Dichlorobenzene	11.41	146	40757	1.032	ug/l	98
83) 1,4-Dichlorobenzene	11.50	146	38303	0.964	ug/l	98
84) n-Butylbenzene	11.89	91	60940	0.933	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	37365	1.016	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.65	75	2231	1.031	ug/l	90
87) 1,2,4-Trichlorobenzene	13.50	180	23063	0.869	ug/l	96
88) Hexachlorobutadiene	13.69	225	16474	1.145	ug/l	96
89) Naphthalene	13.74	128	35512	0.854	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	23627	0.983	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

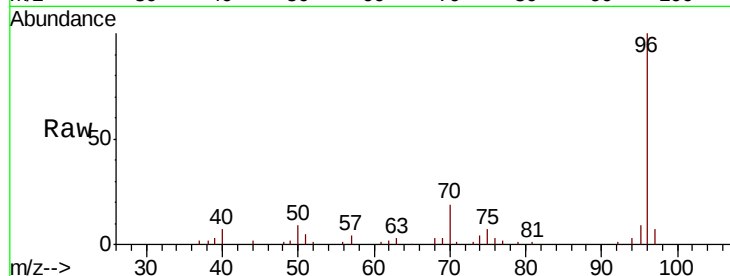
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tgt Ion: 96 Resp: 58374

Ion Ratio Lower Upper

96	100		
70	18.3	15.5	23.3
95	9.0	6.6	9.8
97	7.0	0.0	0.0#

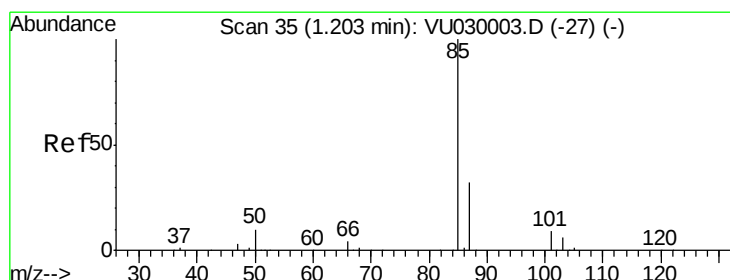
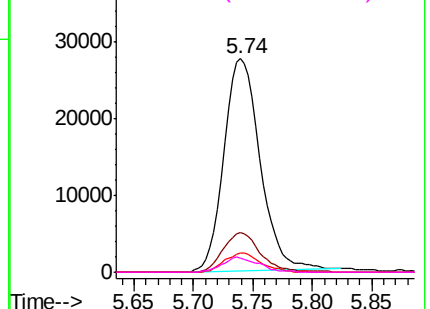
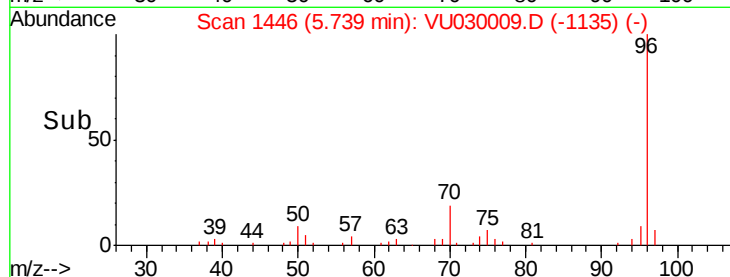


Abundance Ion 96.00 (95.70 to 96.70): VU030003.D (-1432) (-)

Ion 70.00 (69.70 to 70.70): VU030003.D (-1432) (-)

Ion 95.00 (94.70 to 95.70): VU030003.D (-1432) (-)

Ion 97.00 (96.70 to 97.70): VU030003.D (-1432) (-)



#2

Dichlorodifluoromethane

Concen: 1.038 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

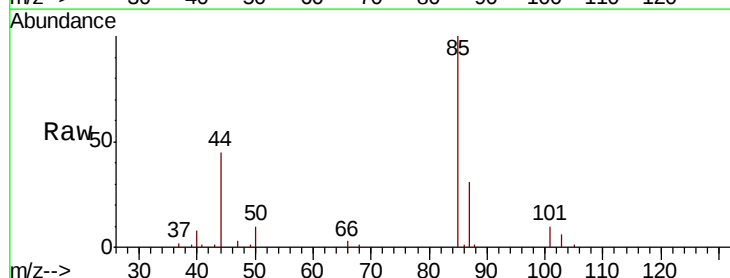
Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Tgt Ion: 85 Resp: 22212

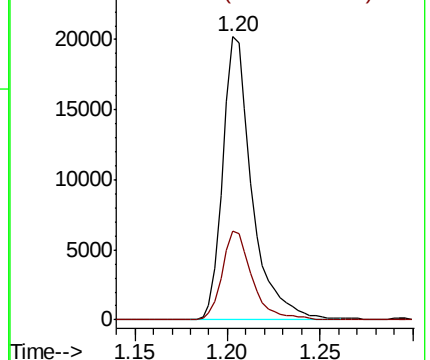
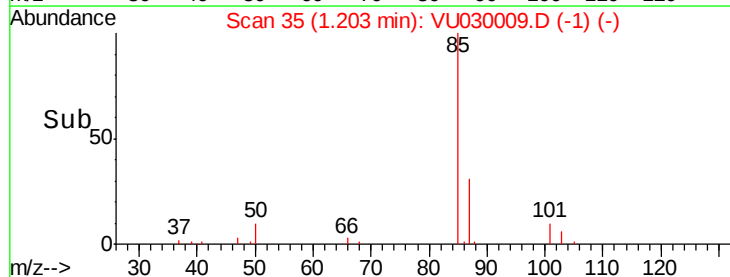
Ion Ratio Lower Upper

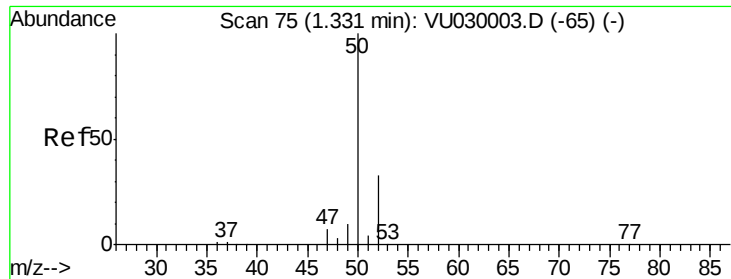
85	100		
87	31.2	16.2	48.6



Abundance Ion 85.00 (84.70 to 85.70): VU030003.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU030003.D (-27) (-)





#3

Chloromethane

Concen: 1.025 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

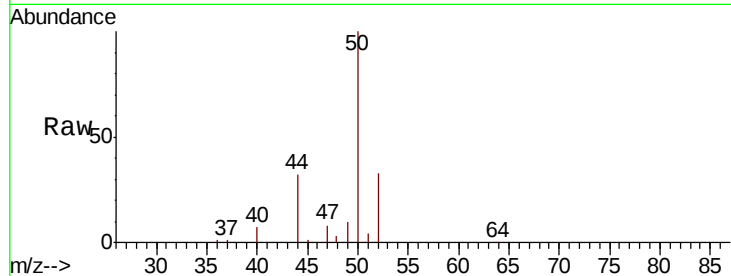
LOQ-WATER-02-QT1-2019

Tgt Ion: 50 Resp: 24890

Ion Ratio Lower Upper

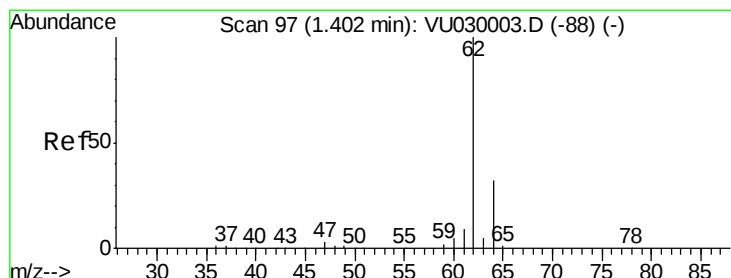
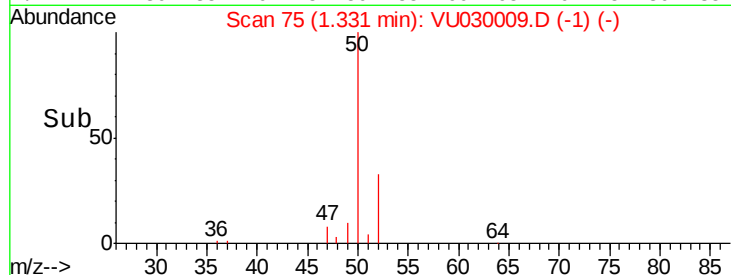
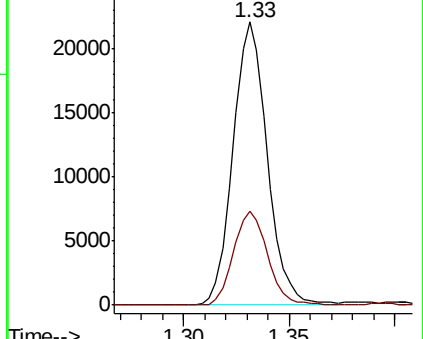
50 100

52 33.1 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VU030009.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU030009.D (-1) (-)



#4

Vinyl Chloride

Concen: 1.004 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030009.D

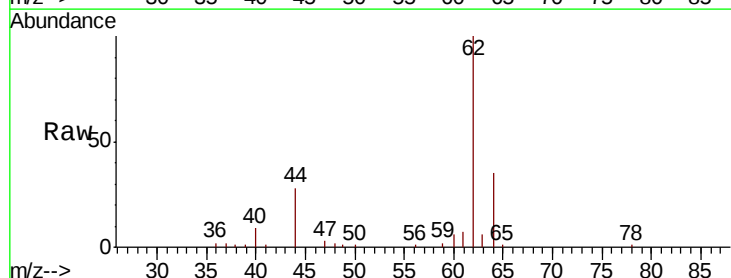
Acq: 12 Mar 2019 16:19

Tgt Ion: 62 Resp: 20905

Ion Ratio Lower Upper

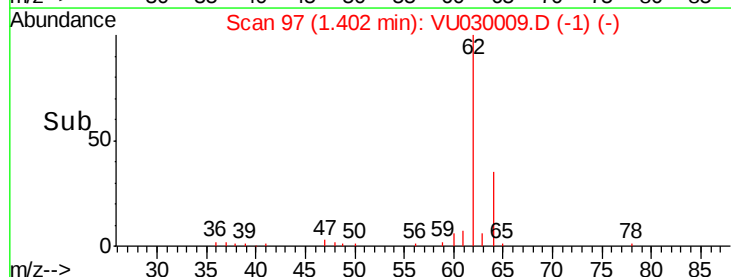
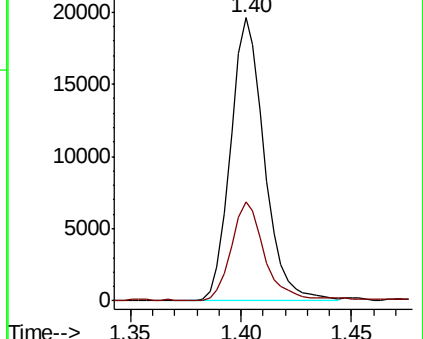
62 100

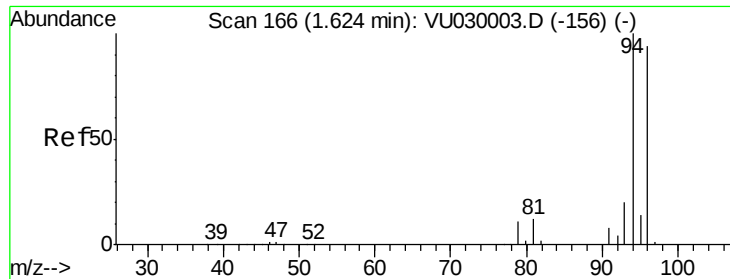
64 34.9 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VU030009.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU030009.D (-1) (-)





#5

Bromomethane

Concen: 1.163 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

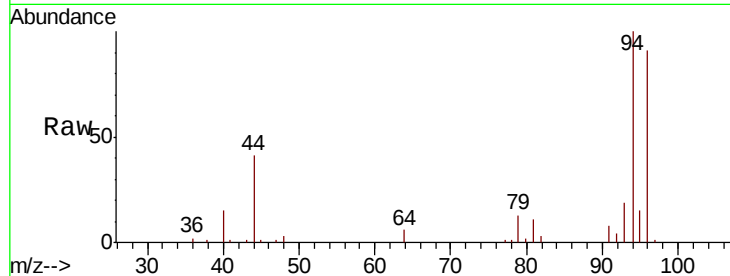
LOQ-WATER-02-QT1-2019

Tgt Ion: 94 Resp: 13835

Ion Ratio Lower Upper

94 100

96 91.1 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VU030003.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU030003.D (-156) (-)

12000

10000

8000

6000

4000

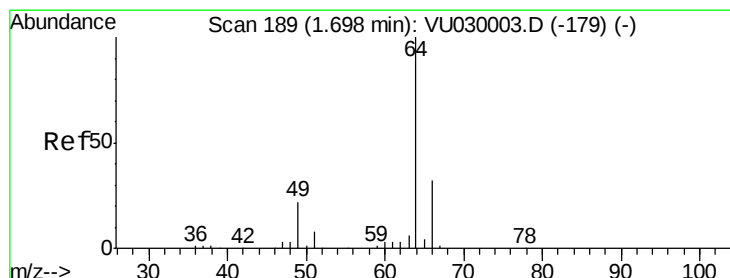
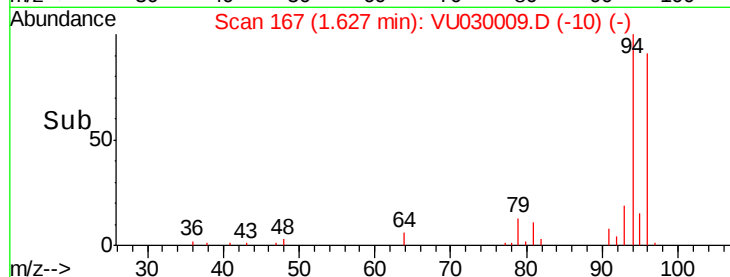
2000

0

Time-->

1.60 1.65 1.70

1.63



#6

Chloroethane

Concen: 1.111 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030009.D

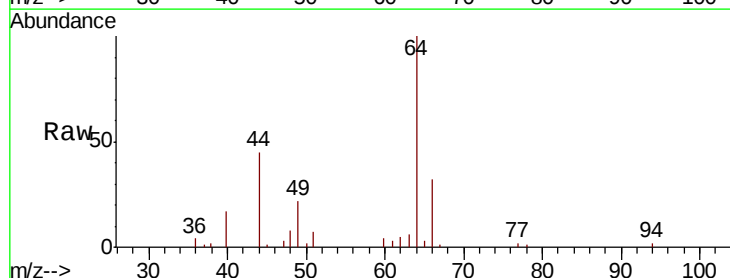
Acq: 12 Mar 2019 16:19

Tgt Ion: 64 Resp: 13356

Ion Ratio Lower Upper

64 100

66 34.0 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VU030003.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU030003.D (-179) (-)

12000

10000

8000

6000

4000

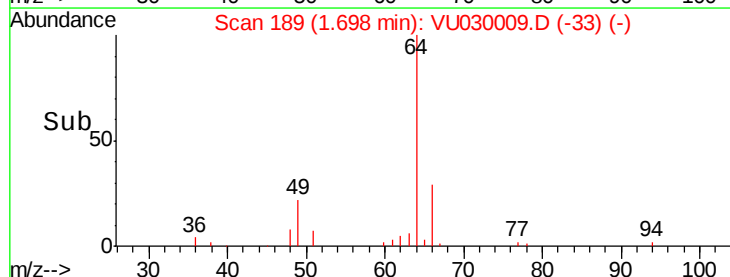
2000

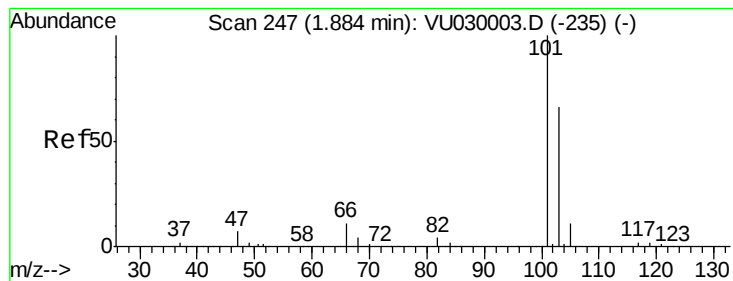
0

Time-->

1.65 1.70 1.75

1.70





#7

Trichlorofluoromethane

Concen: 1.045 ug/l

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

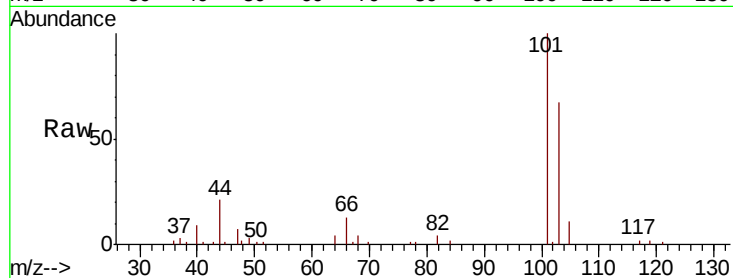
LOQ-WATER-02-QT1-2019

Tgt Ion:101 Resp: 28222

Ion Ratio Lower Upper

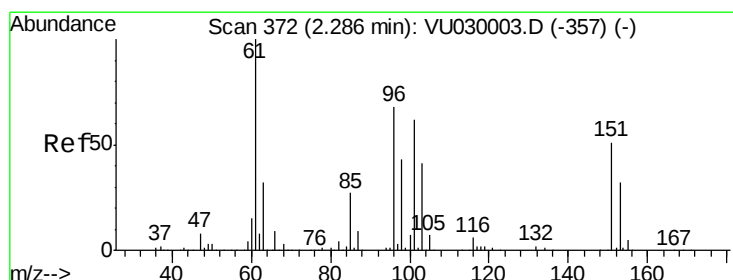
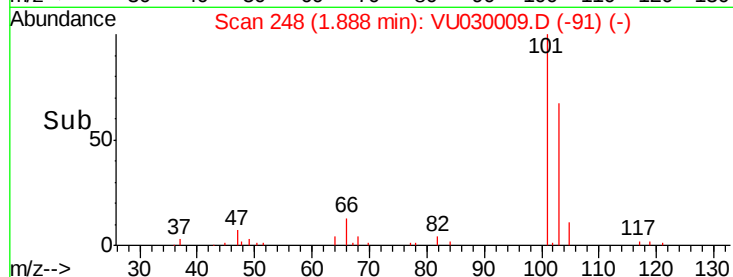
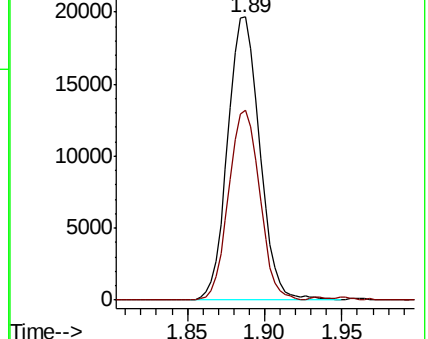
101 100

103 67.2 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.041 ug/l

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

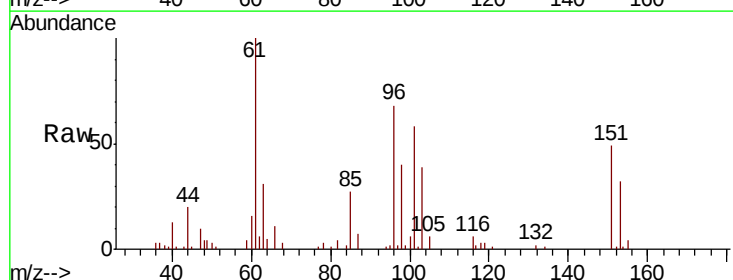
Tgt Ion:101 Resp: 15287

Ion Ratio Lower Upper

101 100

85 42.9 33.6 50.4

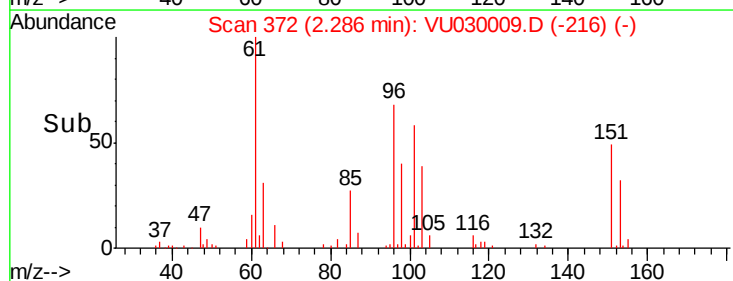
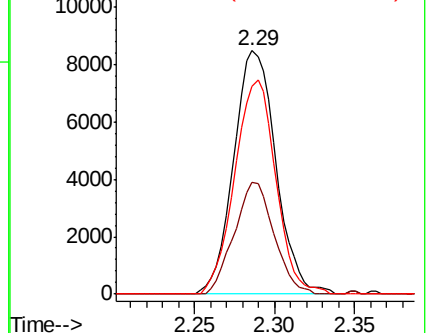
151 85.4 65.0 97.4

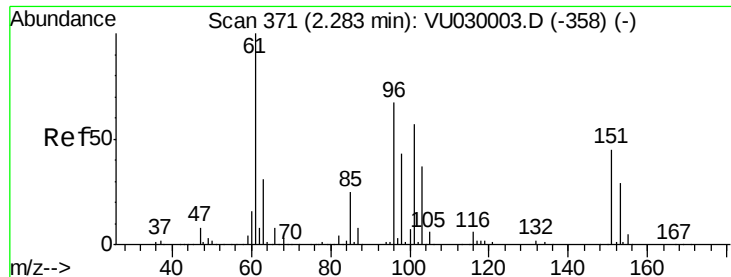


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 1.042 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

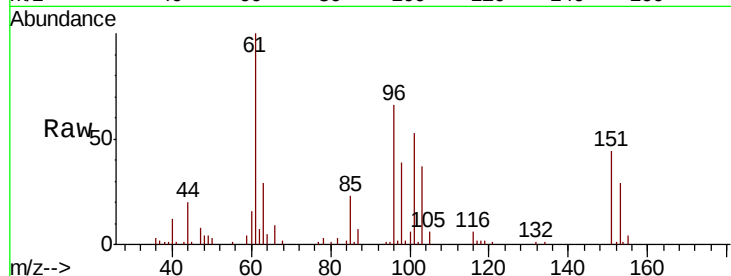
Tgt Ion: 96 Resp: 15176

Ion Ratio Lower Upper

96 100

61 151.3 0.0 447.0

98 59.6 0.0 129.2



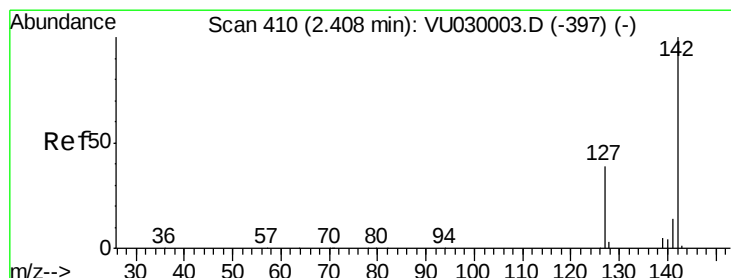
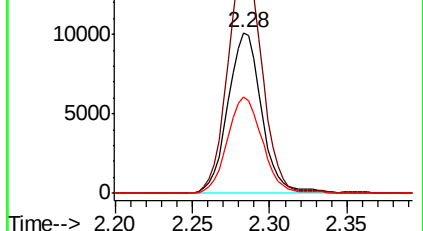
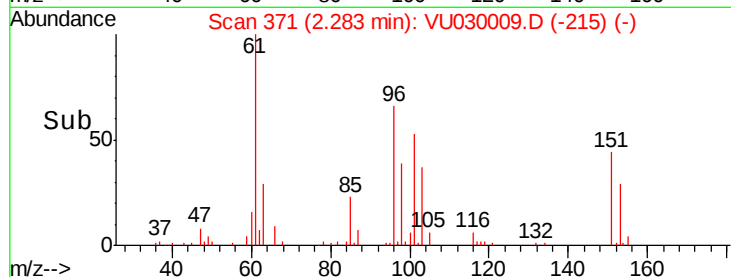
Abundance

Ion 96.00 (95.70 to 96.70): VU030009.D (-215) (-)

Ion 61.00 (60.70 to 61.70): VU030009.D (-215) (-)

Ion 98.00 (97.70 to 98.70): VU030009.D (-215) (-)

Time-->



#10

Iodomethane

Concen: 1.032 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU030009.D

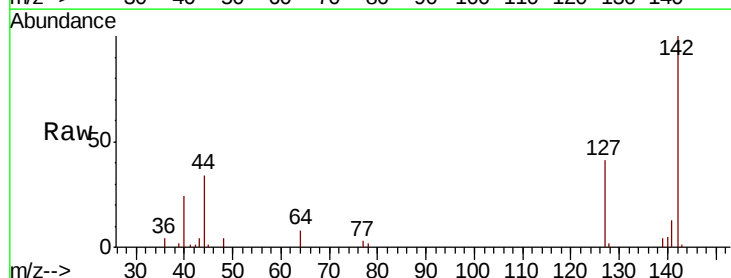
Acq: 12 Mar 2019 16:19

Tgt Ion: 142 Resp: 13025

Ion Ratio Lower Upper

142 100

127 41.3 32.2 48.4

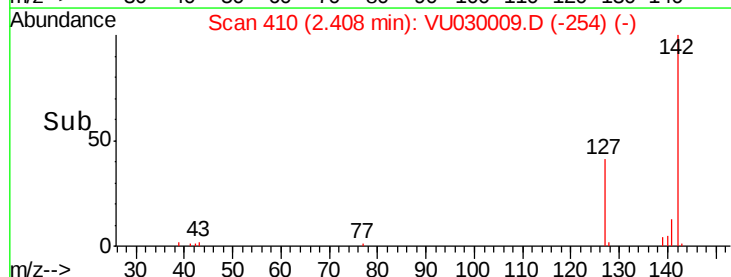


Abundance

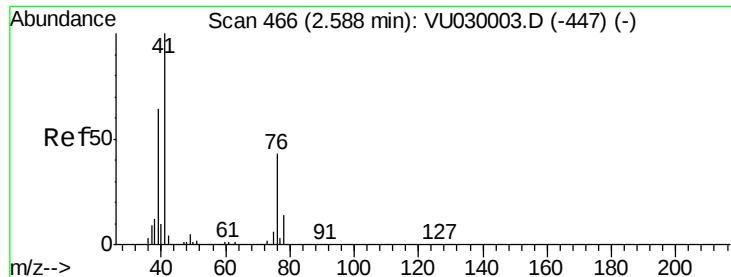
Ion 142.00 (141.70 to 142.70): VU030009.D (-254) (-)

Ion 127.00 (126.70 to 127.70): VU030009.D (-254) (-)

Time-->



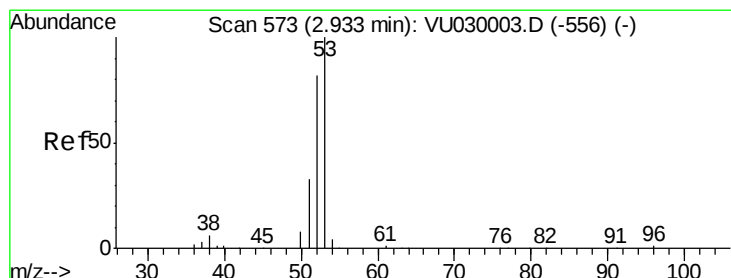
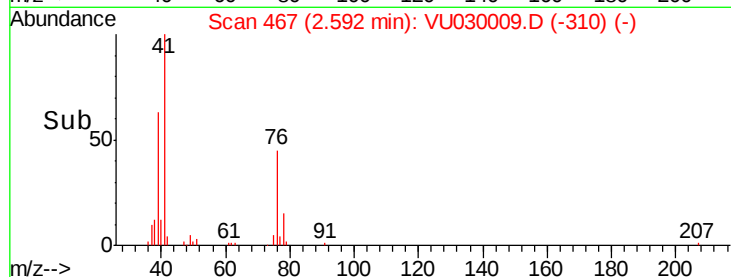
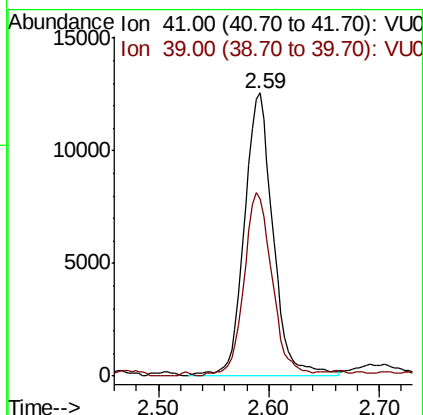
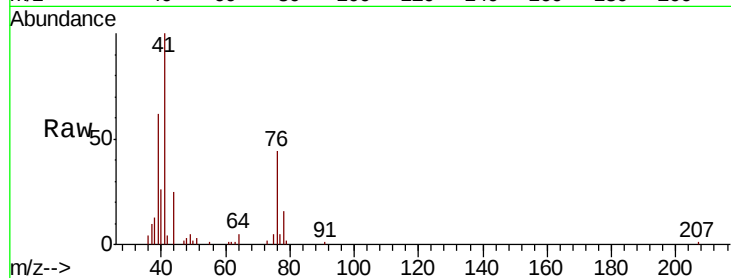
Time-->



#11
 Allyl Chloride
 Concen: 1.101 ug/l
 RT: 2.59 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

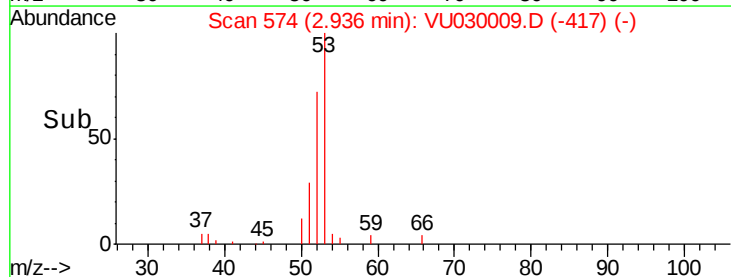
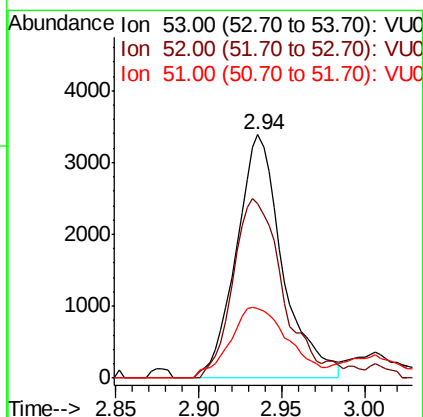
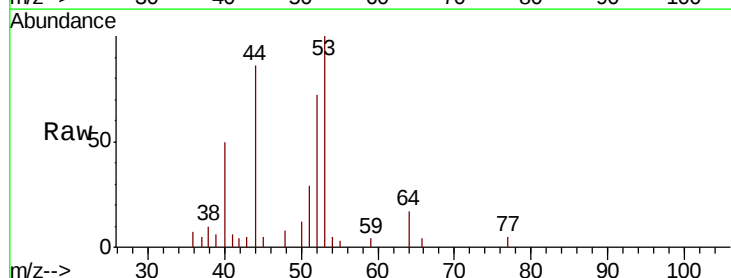
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

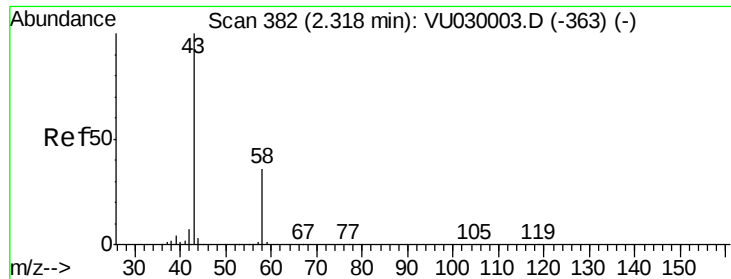
Tgt Ion: 41 Resp: 22669
 Ion Ratio Lower Upper
 41 100
 39 63.7 50.8 76.2



#12
 Acrylonitrile
 Concen: 2.074 ug/l
 RT: 2.94 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Tgt Ion: 53 Resp: 6544
 Ion Ratio Lower Upper
 53 100
 52 78.4 66.3 99.5
 51 37.0 26.9 40.3





#13

Acetone

Concen: 4.983 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

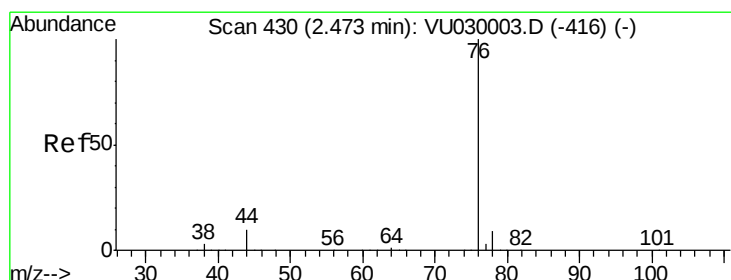
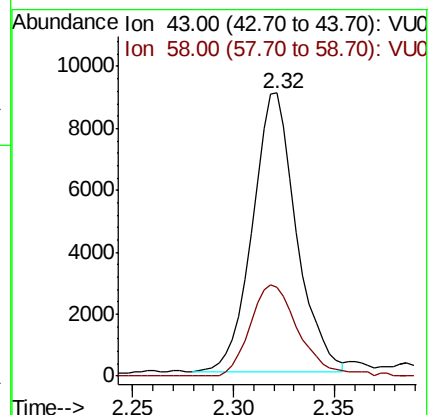
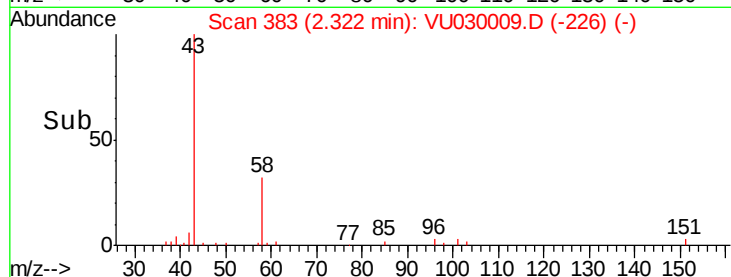
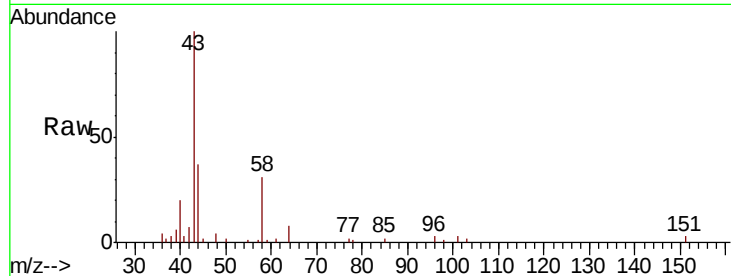
LOQ-WATER-02-QT1-2019

Tgt Ion: 43 Resp: 13685

Ion Ratio Lower Upper

43 100

58 31.9 28.6 43.0



#14

Carbon Disulfide

Concen: 0.992 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU030009.D

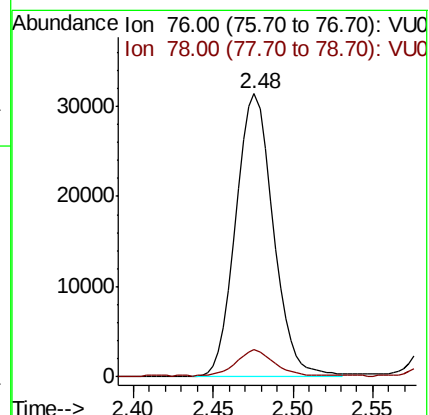
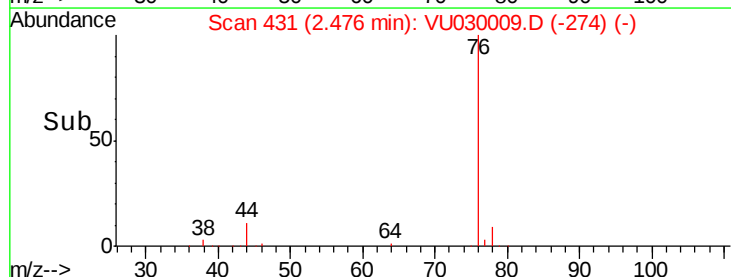
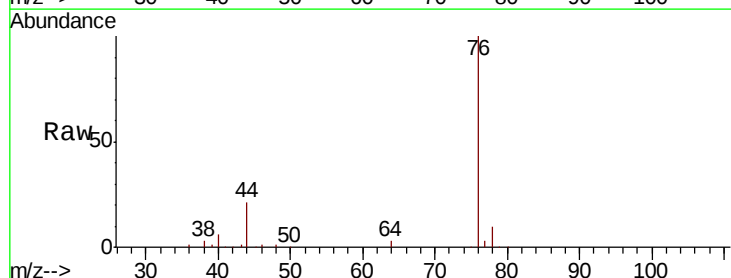
Acq: 12 Mar 2019 16:19

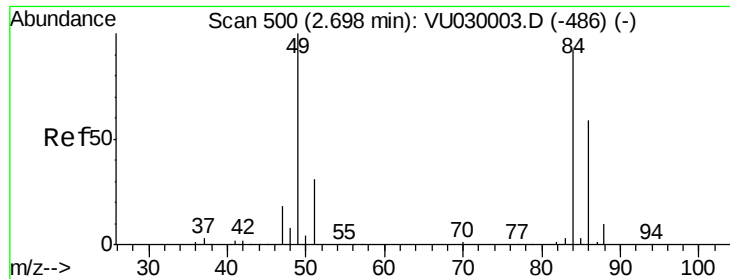
Tgt Ion: 76 Resp: 50344

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

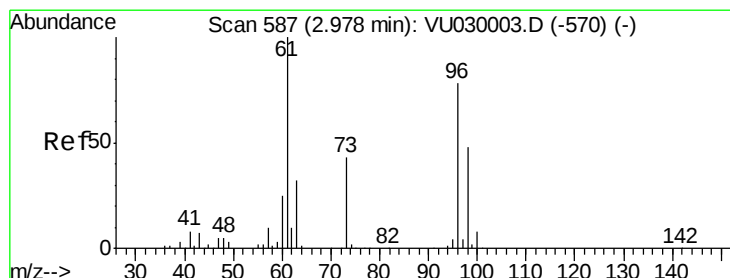
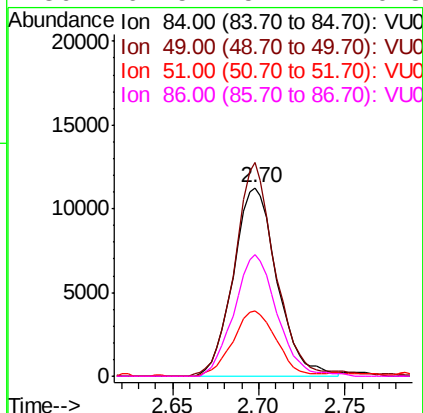
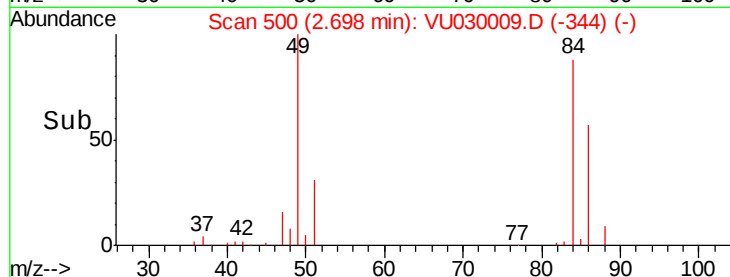
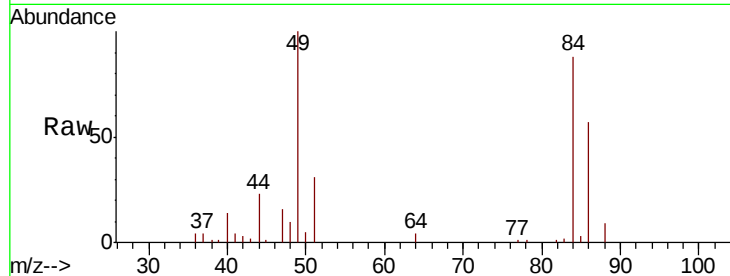




#15
Methylene Chloride
Concen: 1.145 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

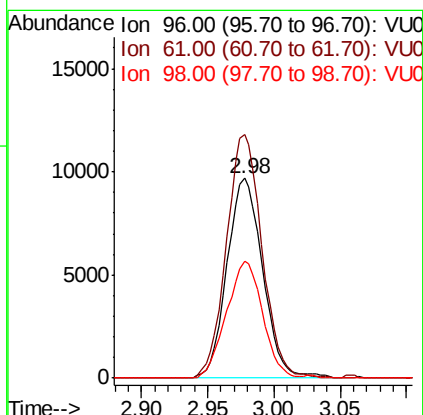
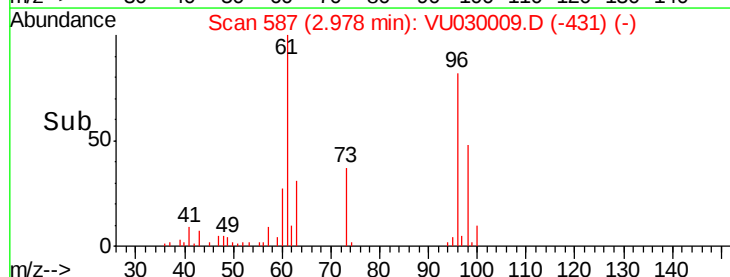
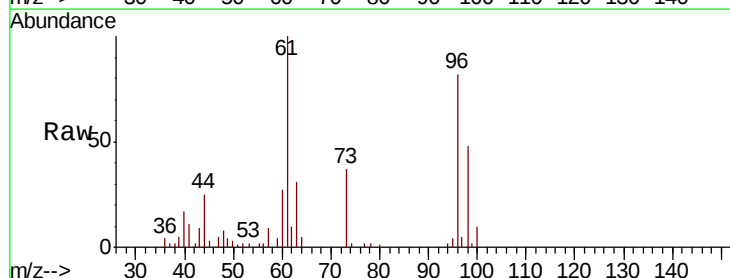
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

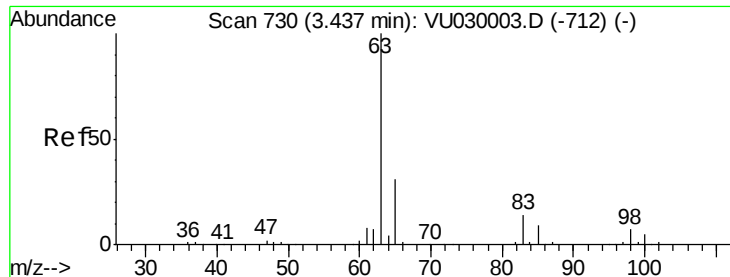
Tgt Ion:	84	Resp:	19864
Ion	Ratio	Lower	Upper
84	100		
49	113.2	86.5	129.7
51	34.6	0.0	66.8
86	64.5	51.2	76.8



#16
trans-1,2-Dichloroethene
Concen: 1.077 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

Tgt Ion:	96	Resp:	18120
Ion	Ratio	Lower	Upper
96	100		
61	121.9	103.0	154.6
98	58.6	49.5	74.3

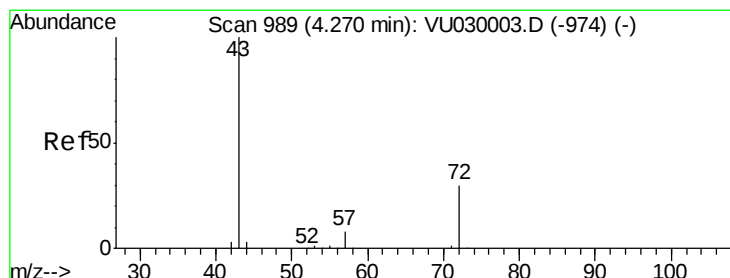
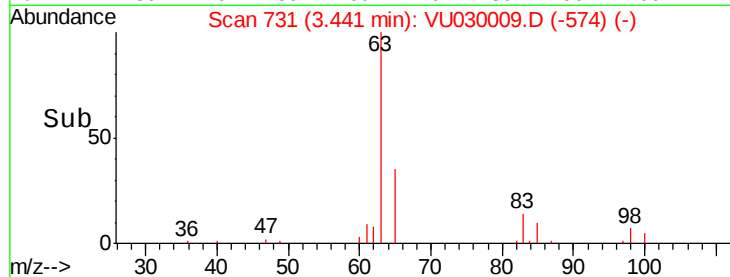
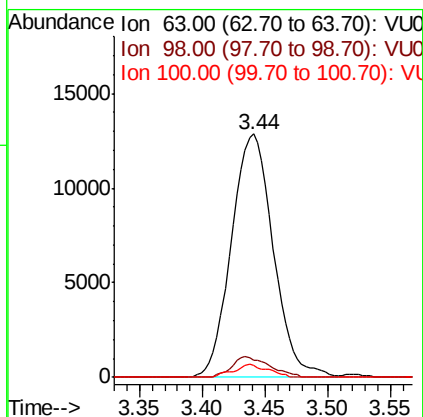
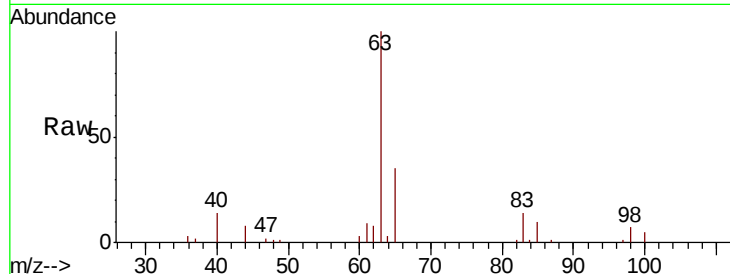




#17
 1,1-Dichloroethane
 Concen: 1.052 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

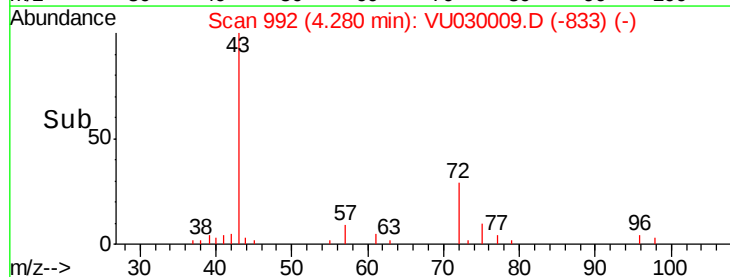
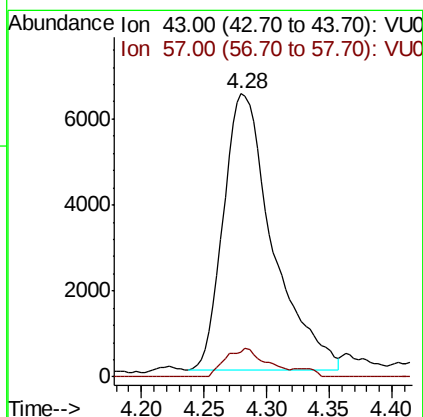
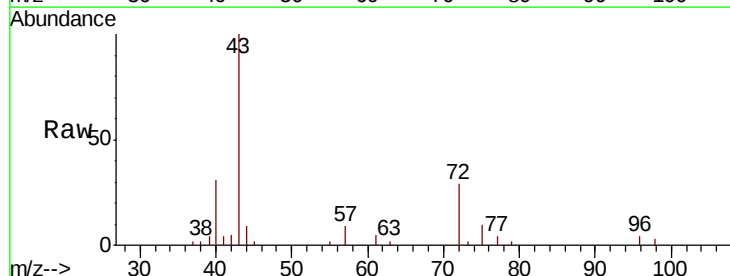
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

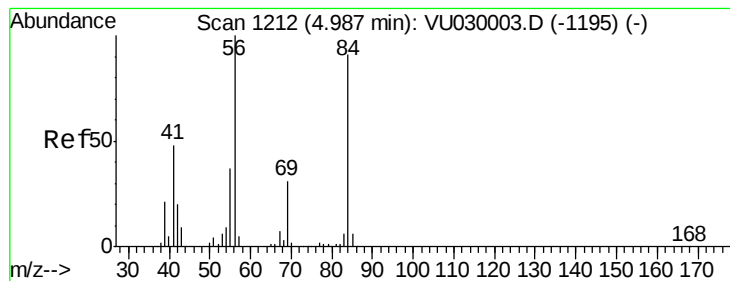
Tgt Ion: 63 Resp: 29923
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.4 10.2
 100 4.7 2.3 6.8



#18
 2-Butanone
 Concen: 4.606 ug/l
 RT: 4.28 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Tgt Ion: 43 Resp: 17511
 Ion Ratio Lower Upper
 43 100
 57 9.2 0.0 16.8





#19

Cyclohexane

Concen: 0.869 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

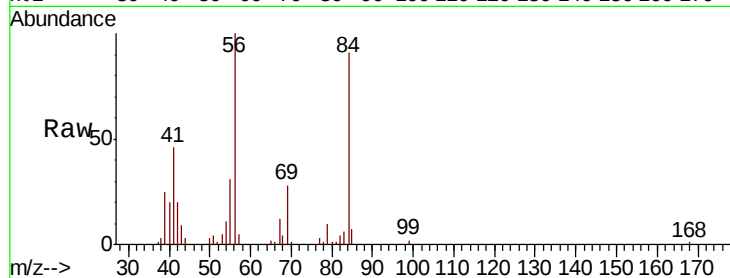
Tgt Ion: 56 Resp: 21175

Ion Ratio Lower Upper

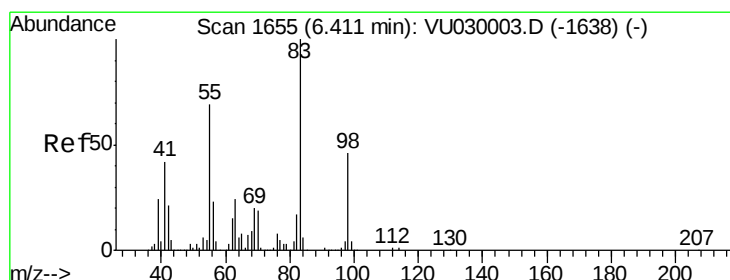
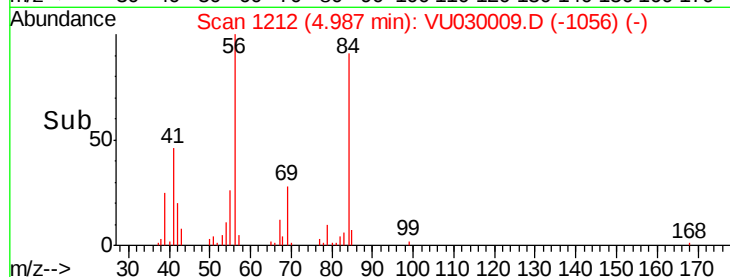
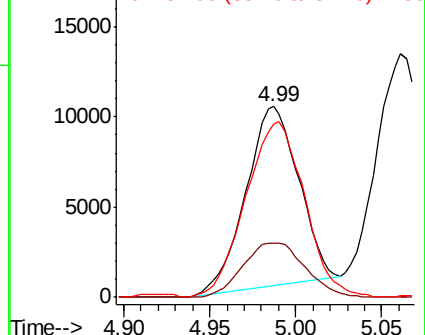
56 100

69 35.8 25.7 38.5

84 109.0 72.9 109.3



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#20

Methylcyclohexane

Concen: 0.997 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

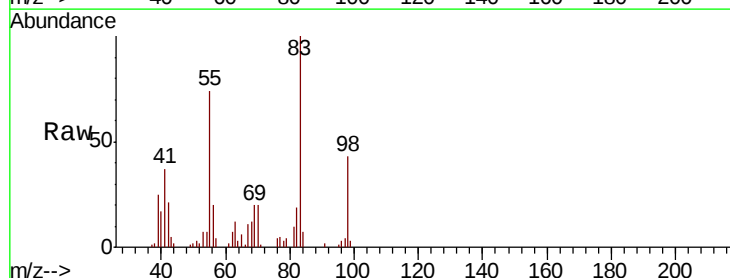
Tgt Ion: 83 Resp: 26806

Ion Ratio Lower Upper

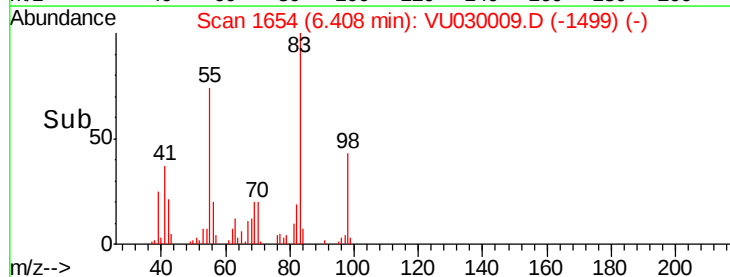
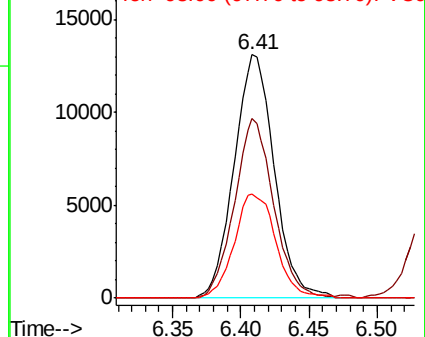
83 100

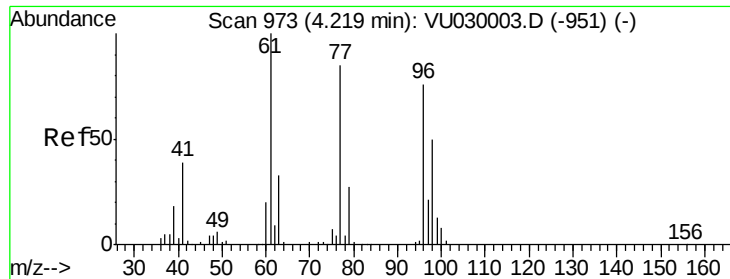
55 70.7 55.6 83.4

98 44.4 37.4 56.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

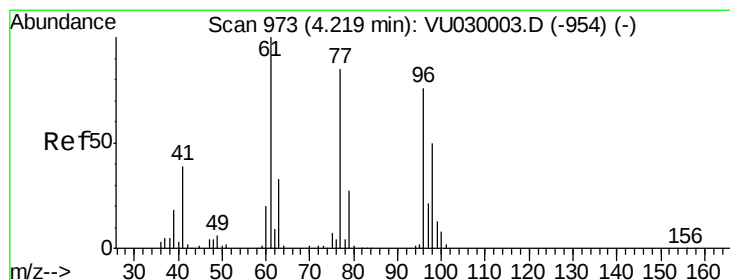
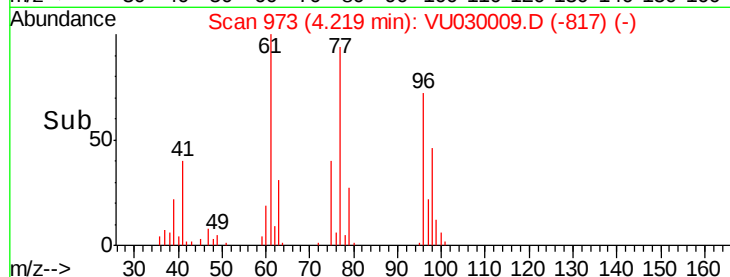
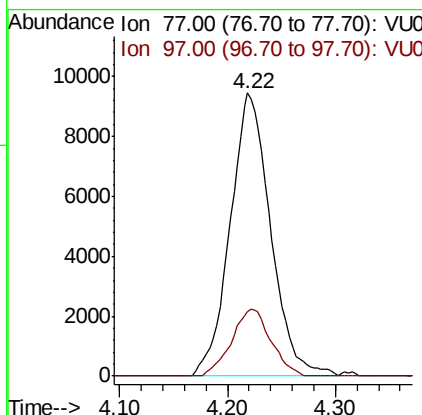
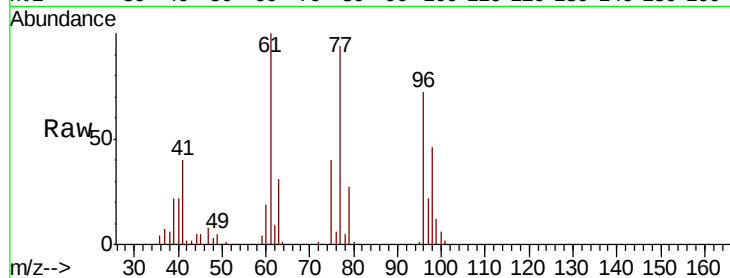




#21
 2,2-Dichloropropane
 Concen: 1.029 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

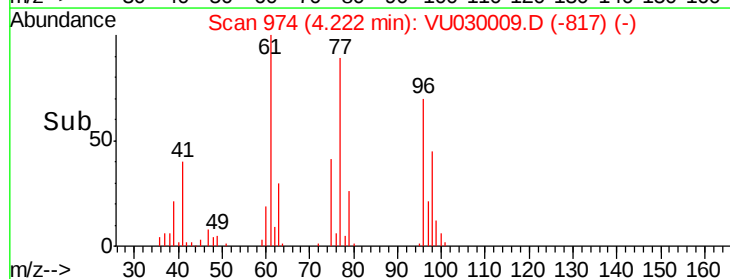
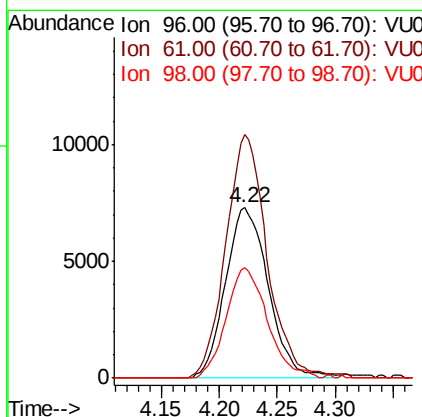
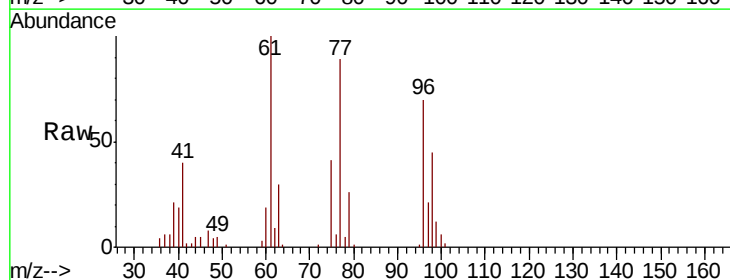
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

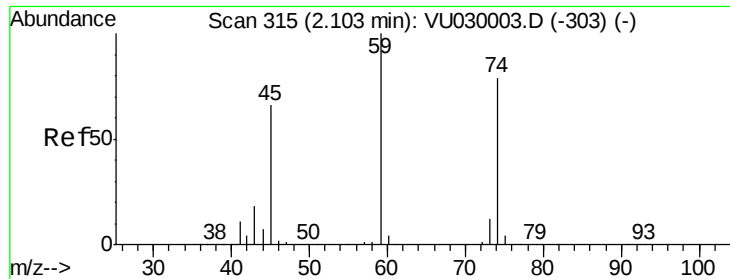
Tgt Ion: 77 Resp: 24614
 Ion Ratio Lower Upper
 77 100
 97 23.0 20.2 30.4



#22
 cis-1,2-Dichloroethene
 Concen: 1.005 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Tgt Ion: 96 Resp: 18787
 Ion Ratio Lower Upper
 96 100
 61 136.6 0.0 335.8
 98 61.9 32.6 97.7

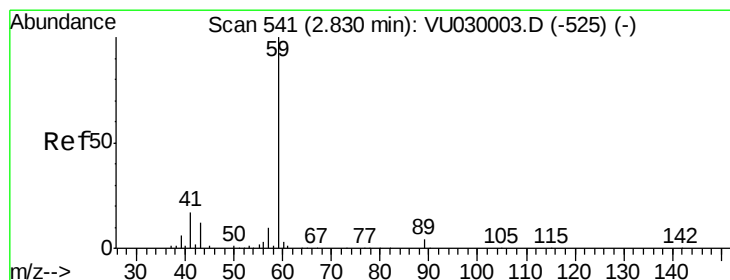
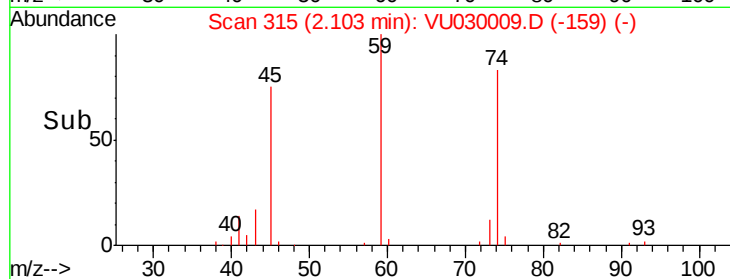
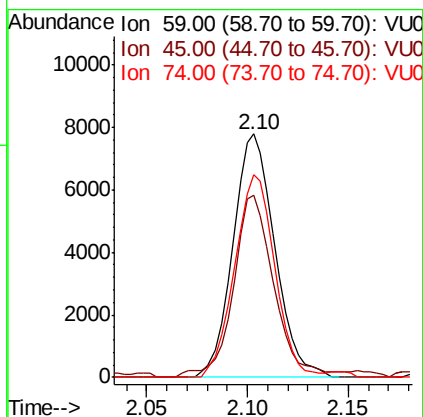
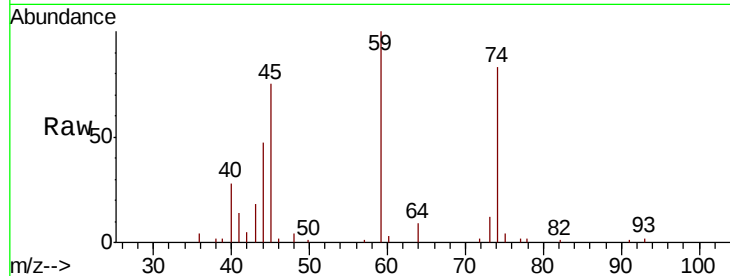




#23
Diethyl Ether
Concen: 1.042 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

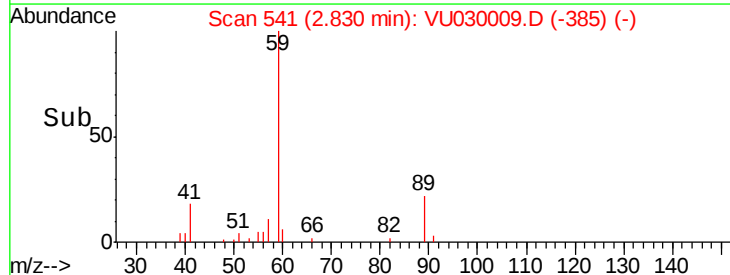
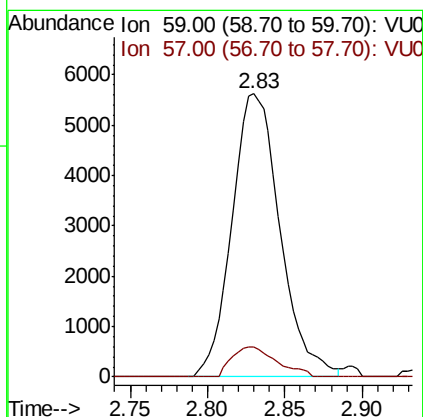
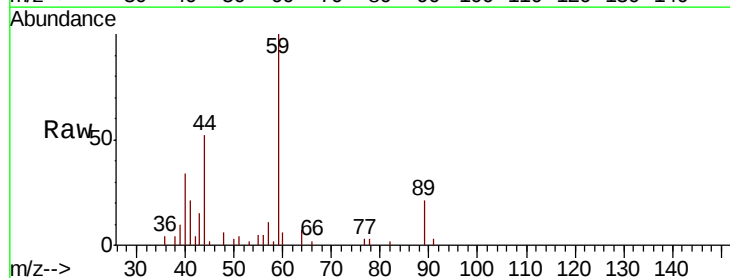
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

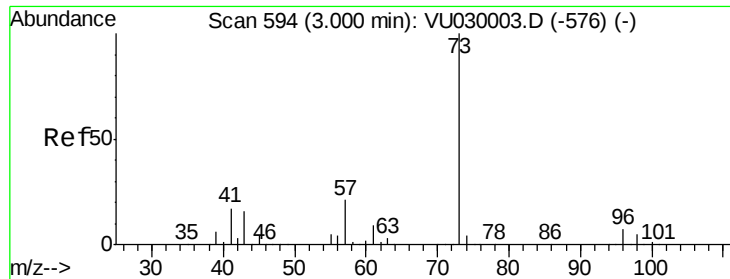
Tgt Ion: 59 Resp: 11339
Ion Ratio Lower Upper
59 100
45 72.2 52.3 78.5
74 79.7 61.1 91.7



#24
tert-Butyl Alcohol
Concen: 10.452 ug/l
RT: 2.83 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

Tgt Ion: 59 Resp: 12173
Ion Ratio Lower Upper
59 100
57 9.9 7.7 11.5



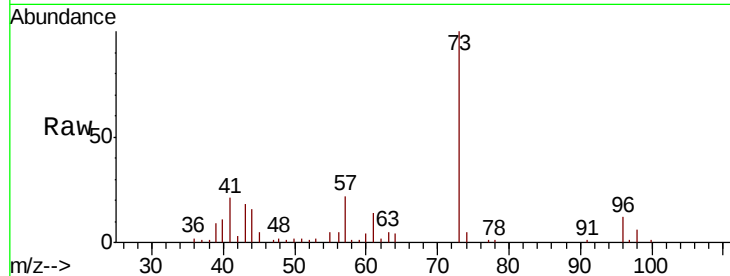


#25

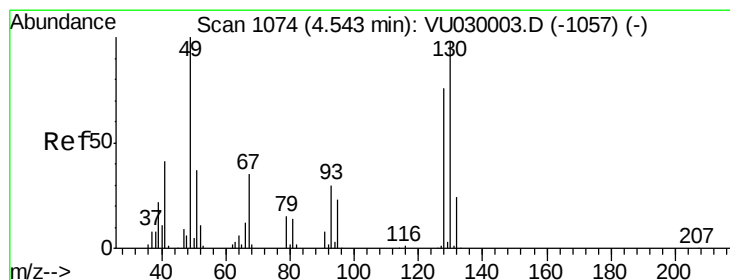
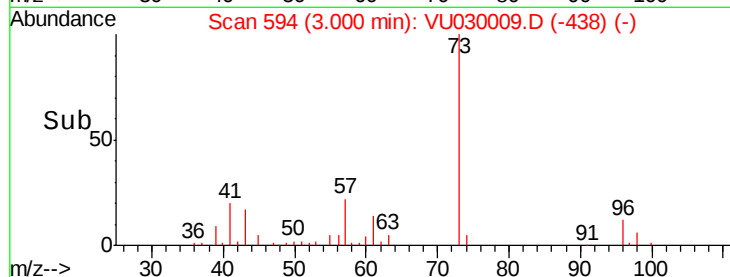
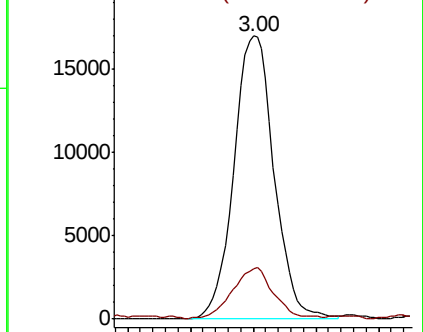
Methyl tert-Butyl Ether
Concen: 1.030 ug/l
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion: 73 Resp: 37895
Ion Ratio Lower Upper
73 100
43 19.0 13.1 19.7



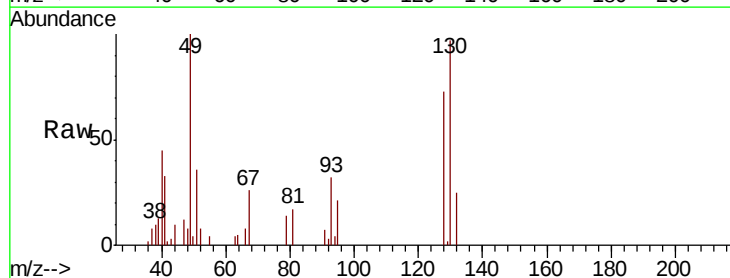
Abundance Ion 73.00 (72.70 to 73.70): VU030003.D (-576) (-)
Ion 43.00 (42.70 to 43.70): VU030003.D (-576) (-)



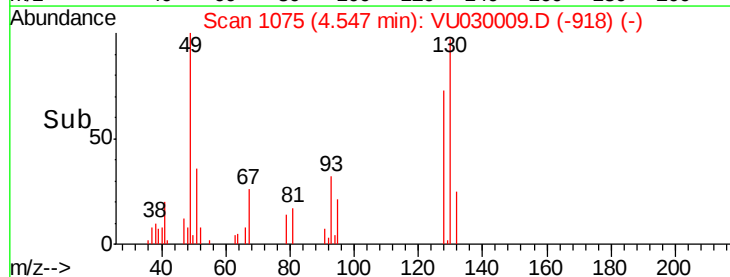
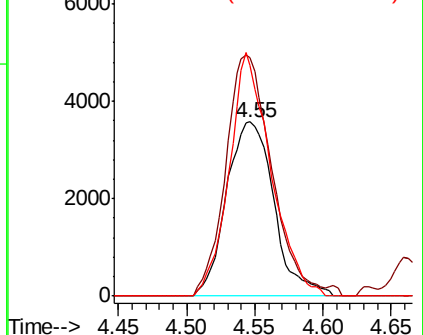
#26

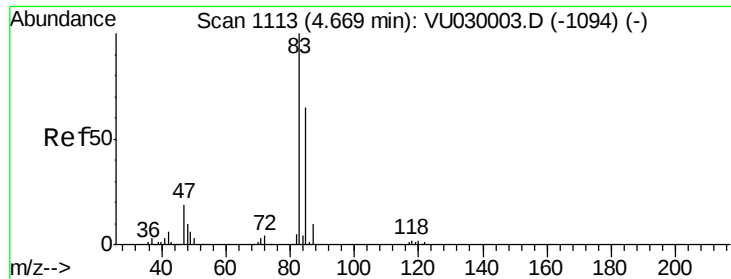
Bromochloromethane
Concen: 1.058 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

Tgt Ion: 128 Resp: 8651
Ion Ratio Lower Upper
128 100
49 134.1 0.0 270.4
130 122.8 102.6 153.8



Abundance Ion 128.00 (127.70 to 128.70): VU030003.D (-1057) (-)
Ion 49.00 (48.70 to 49.70): VU030003.D (-1057) (-)
Ion 130.00 (129.70 to 130.70): VU030003.D (-1057) (-)





#27

Chloroform

Concen: 1.023 ug/l

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

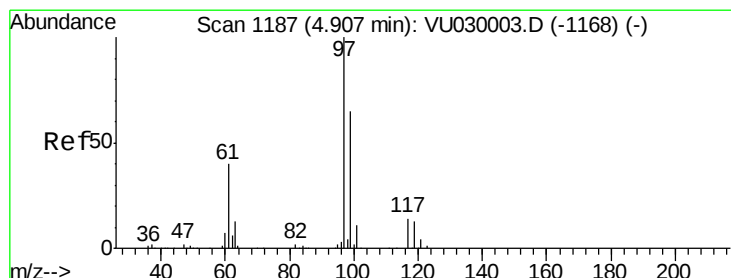
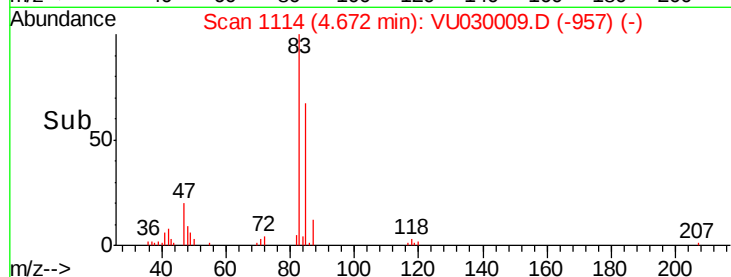
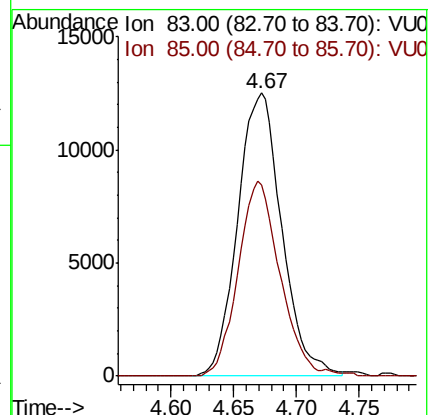
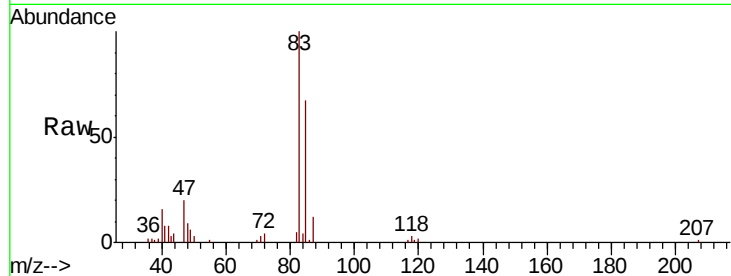
LOQ-WATER-02-QT1-2019

Tgt Ion: 83 Resp: 30619

Ion Ratio Lower Upper

83 100

85 67.4 0.0 129.0



#28

1,1,1-Trichloroethane

Concen: 1.041 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

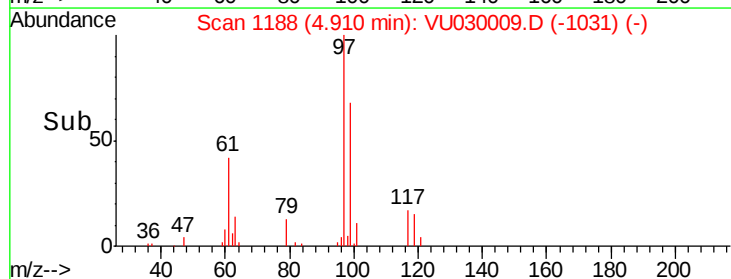
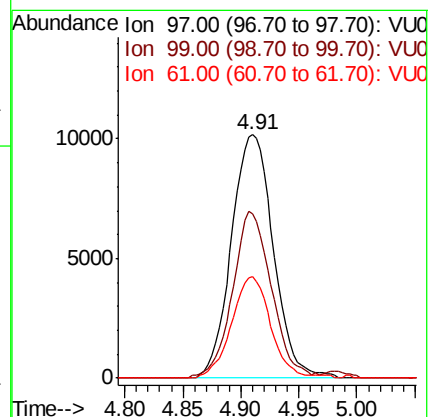
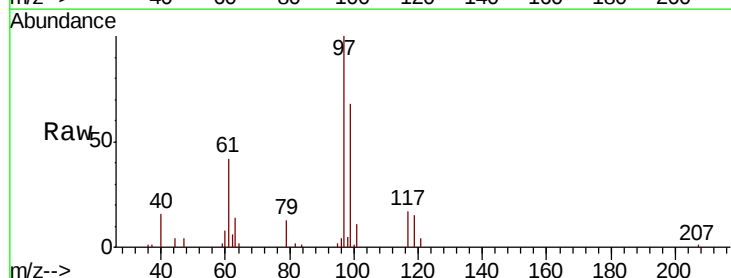
Tgt Ion: 97 Resp: 25631

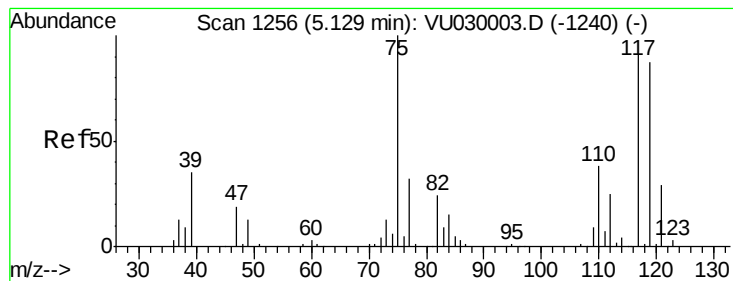
Ion Ratio Lower Upper

97 100

99 63.0 32.4 97.0

61 39.0 20.4 61.2





#29

1,1-Dichloropropene

Concen: 0.988 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

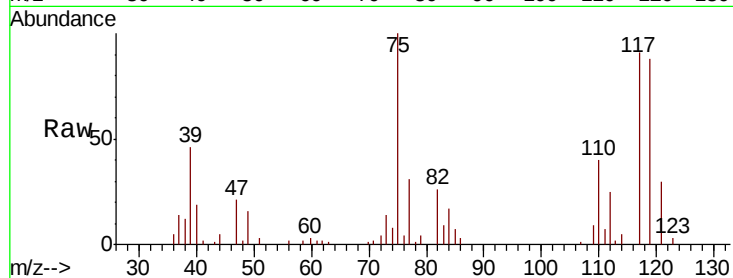
Tgt Ion: 75 Resp: 22130

Ion Ratio Lower Upper

75 100

110 38.7 19.1 57.3

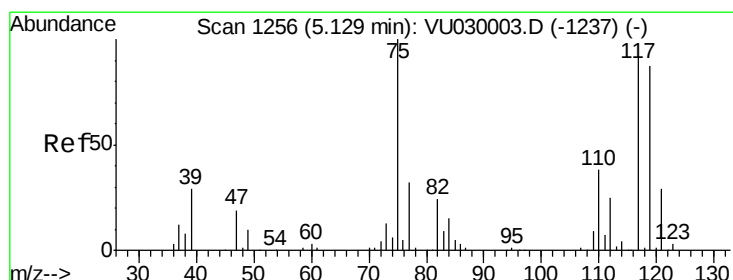
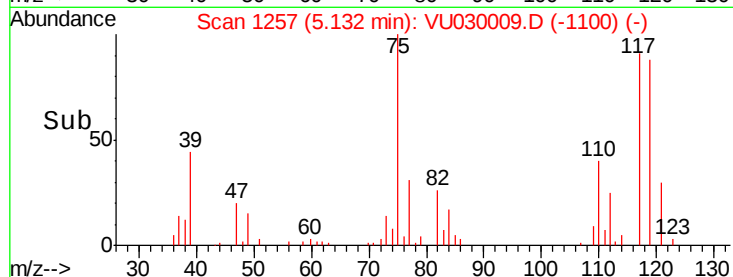
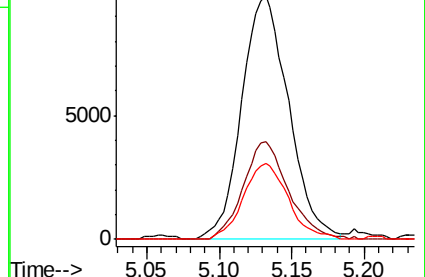
77 30.0 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU030003.D (-1240) (-)

Ion 110.00 (109.70 to 110.70): VU030003.D (-1240) (-)

Ion 77.00 (76.70 to 77.70): VU030003.D (-1240) (-)



#30

Carbon Tetrachloride

Concen: 0.967 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

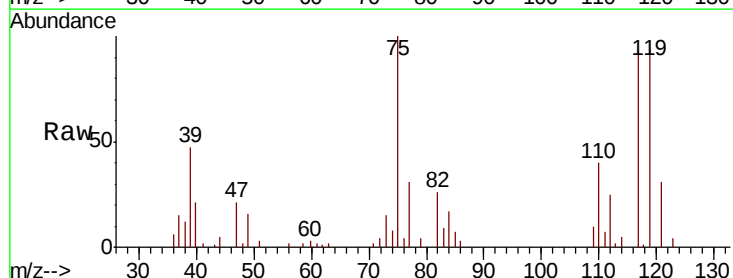
Tgt Ion: 117 Resp: 21275

Ion Ratio Lower Upper

117 100

119 101.5 76.3 114.5

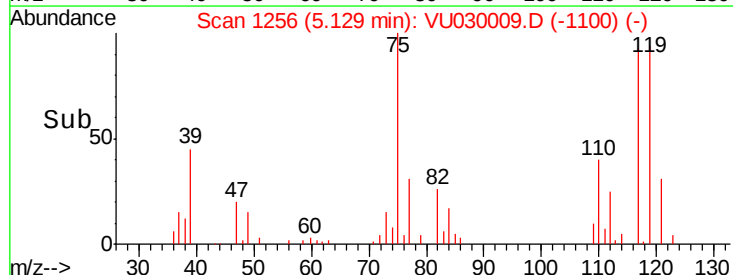
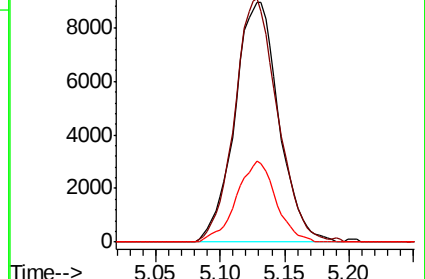
121 33.7 25.1 37.7

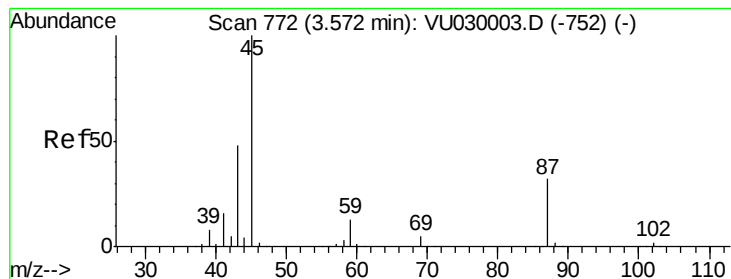


Abundance Ion 117.00 (116.70 to 117.70): VU030003.D (-1237) (-)

Ion 119.00 (118.70 to 119.70): VU030003.D (-1237) (-)

Ion 121.00 (120.70 to 121.70): VU030003.D (-1237) (-)





#31

Isopropyl Ether

Concen: 1.028 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

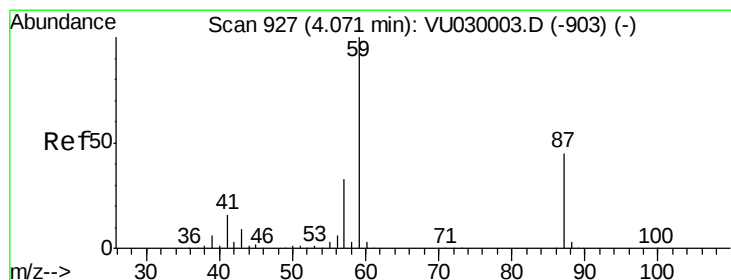
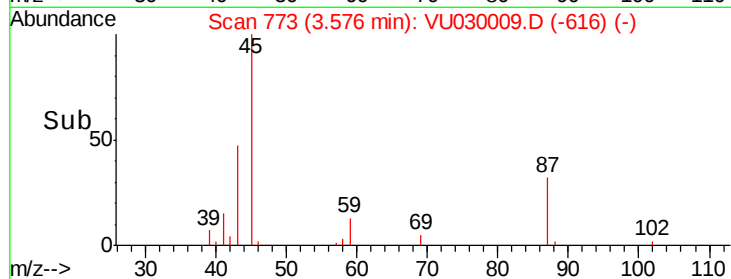
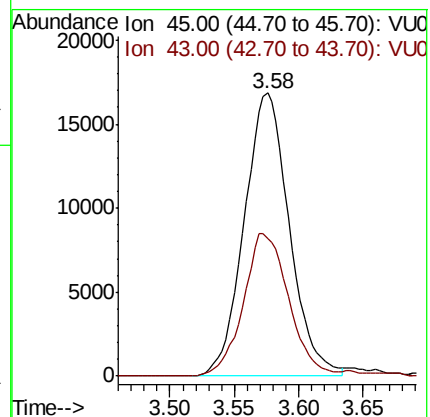
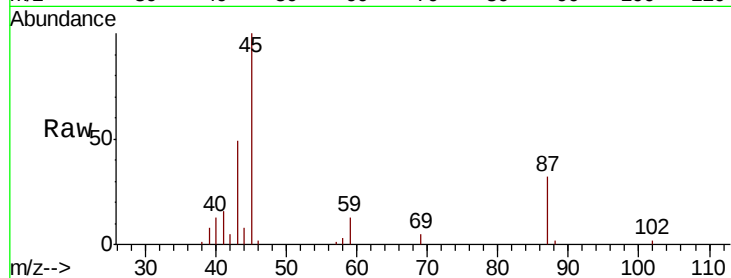
LOQ-WATER-02-QT1-2019

Tgt Ion: 45 Resp: 41118

Ion Ratio Lower Upper

45 100

43 50.8 24.5 73.5



#32

Ethyl-t-butyl ether

Concen: 0.979 ug/l

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU030009.D

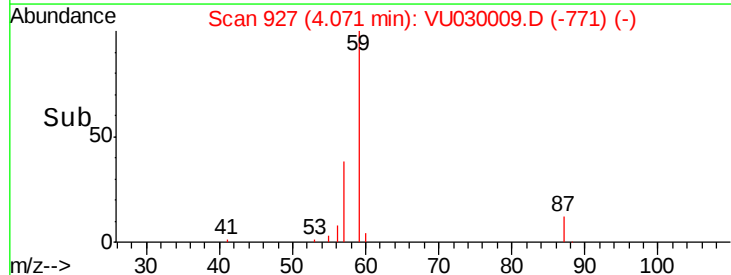
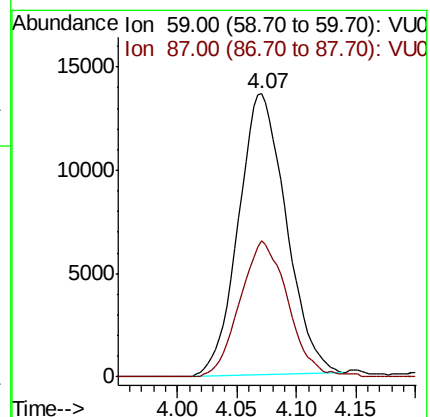
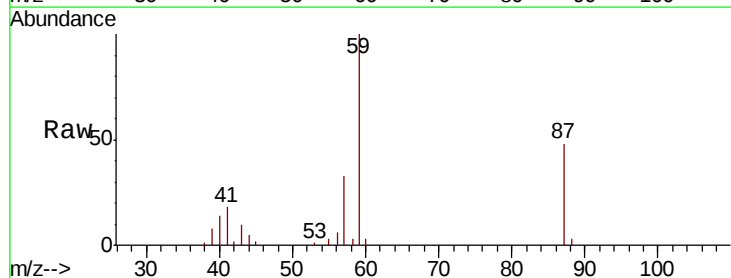
Acq: 12 Mar 2019 16:19

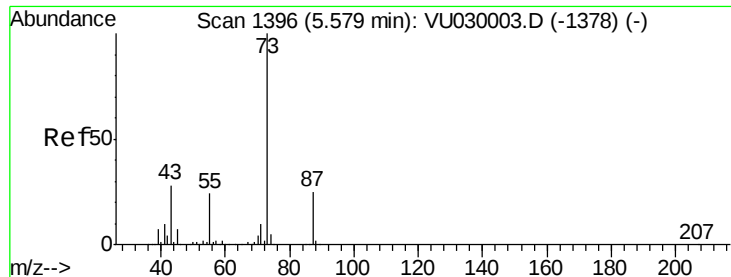
Tgt Ion: 59 Resp: 37747

Ion Ratio Lower Upper

59 100

87 47.2 36.2 54.4

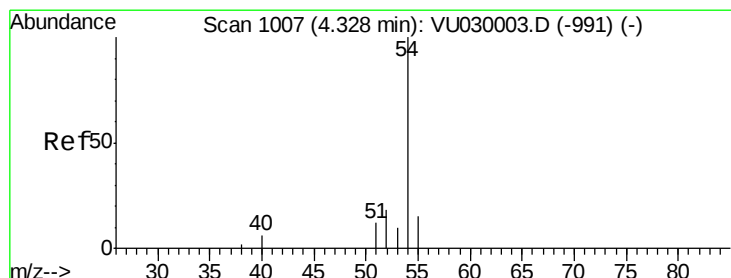
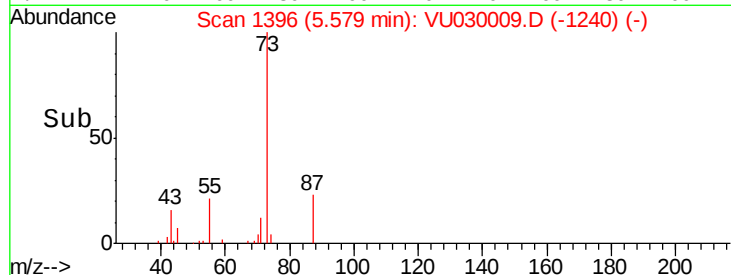
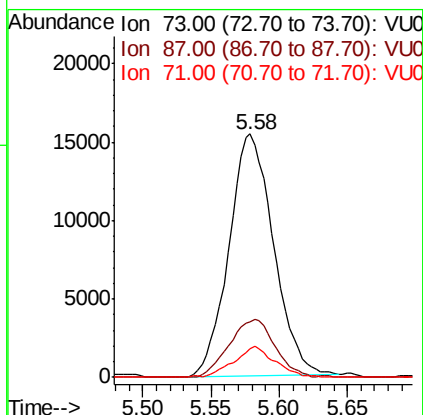
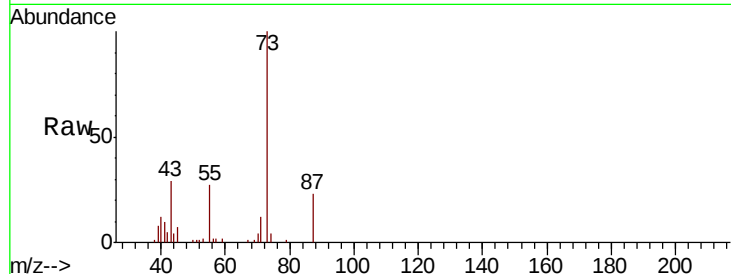




#33
Tert-Amyl methyl ether
Concen: 0.995 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

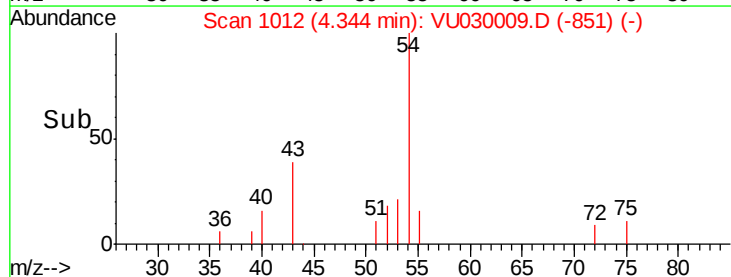
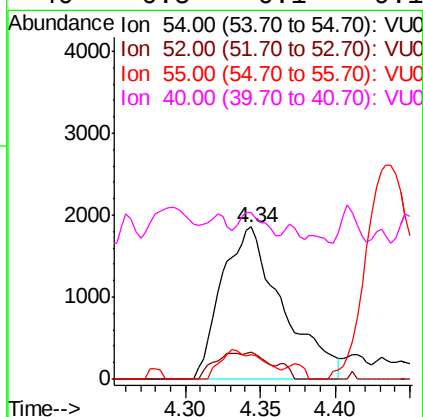
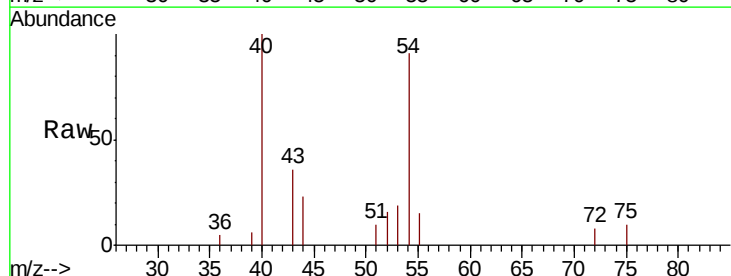
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

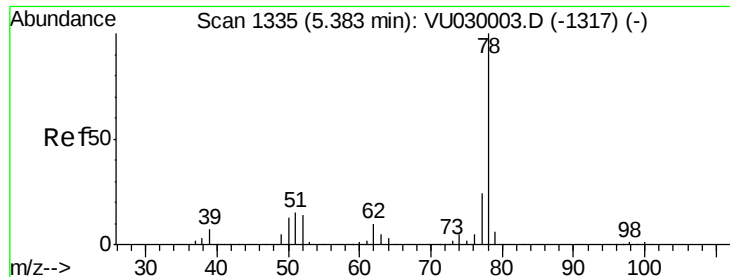
Tgt Ion: 73 Resp: 35126
Ion Ratio Lower Upper
73 100
87 24.4 19.7 29.5
71 11.5 8.6 13.0



#34
Propionitrile
Concen: 4.936 ug/l
RT: 4.34 min Scan# 1012
Delta R.T. 0.02 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

Tgt Ion: 54 Resp: 5231
Ion Ratio Lower Upper
54 100
52 8.2 15.8 23.6#
55 13.3 12.5 18.7
40 6.5 6.1 9.1





#35

Benzene

Concen: 1.019 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

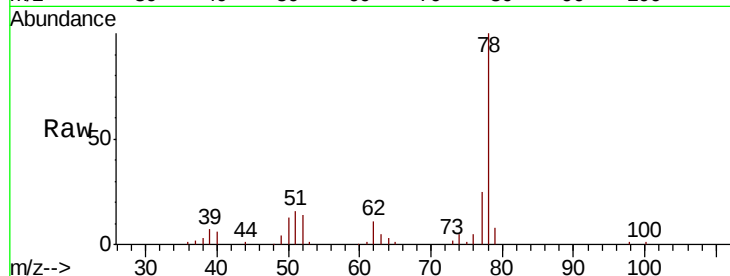
LOQ-WATER-02-QT1-2019

Tgt Ion: 78 Resp: 66794

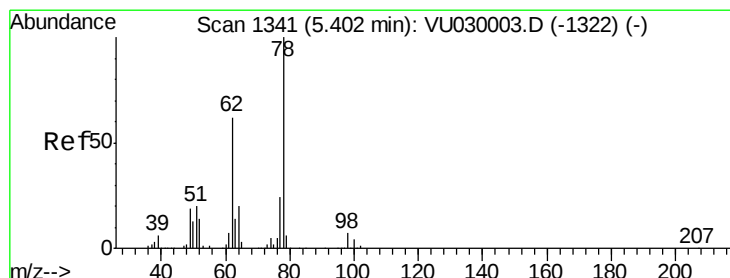
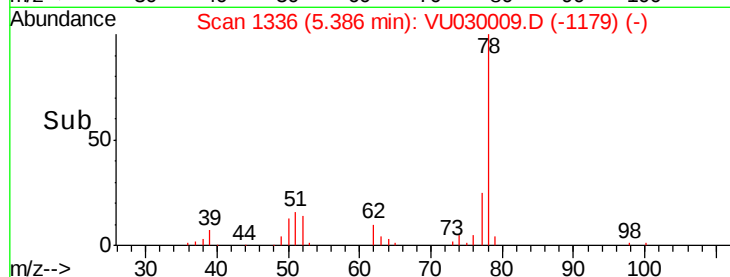
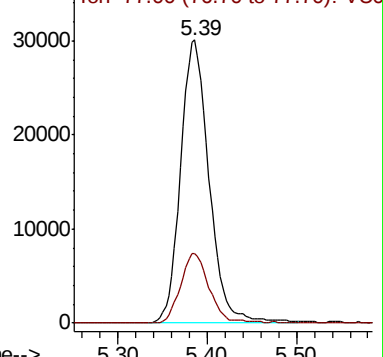
Ion Ratio Lower Upper

78 100

77 24.8 18.9 28.3



Abundance Ion 78.10 (77.80 to 78.80): VU030009.D (-1179) (-)



#36

1,2-Dichloroethane

Concen: 1.017 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU030009.D

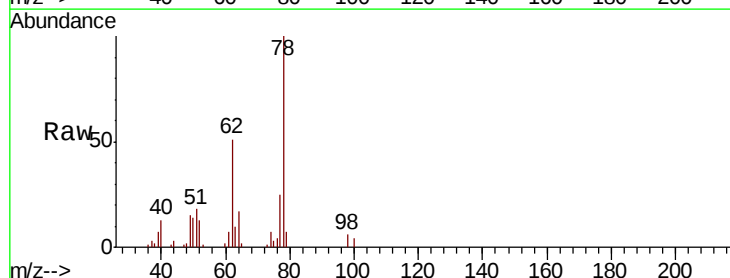
Acq: 12 Mar 2019 16:19

Tgt Ion: 62 Resp: 17820

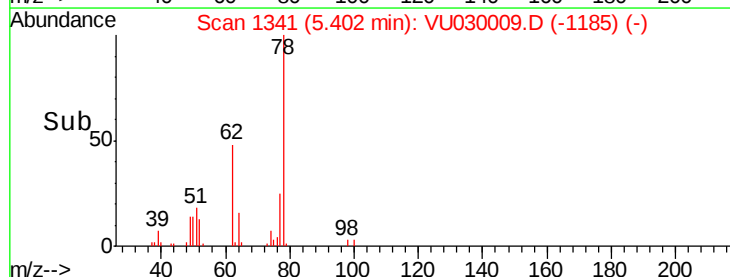
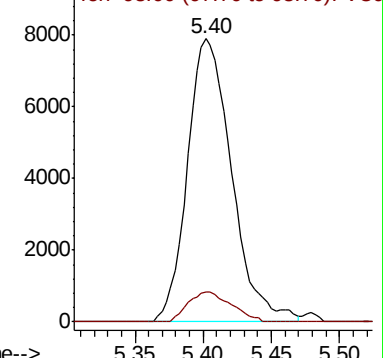
Ion Ratio Lower Upper

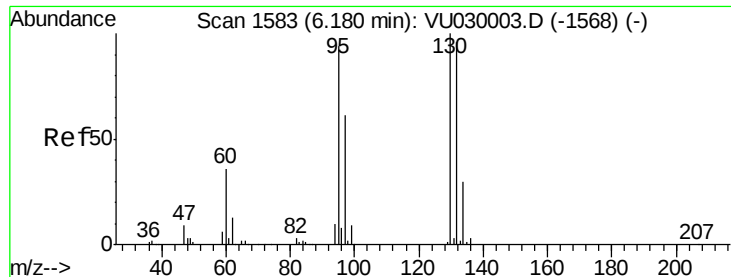
62 100

98 10.3 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VU030009.D (-1185) (-)

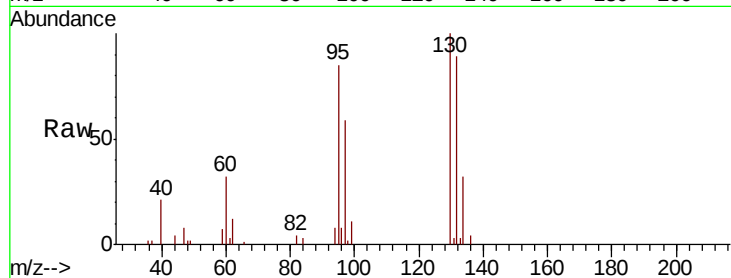




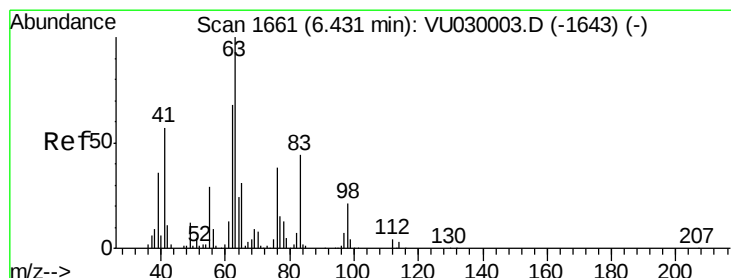
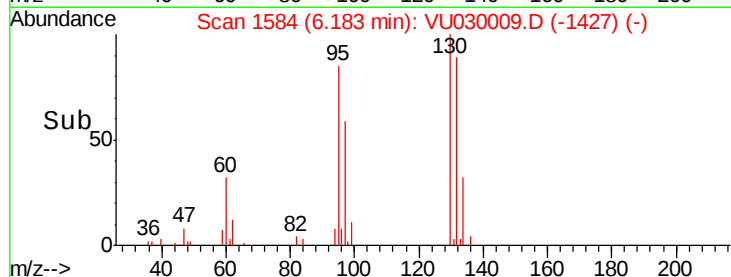
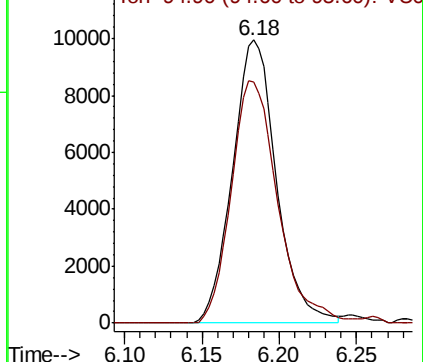
#37
 Trichloroethene
 Concen: 1.039 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tgt Ion: 130 Resp: 19616
 Ion Ratio Lower Upper
 130 100
 95 85.1 75.2 112.8

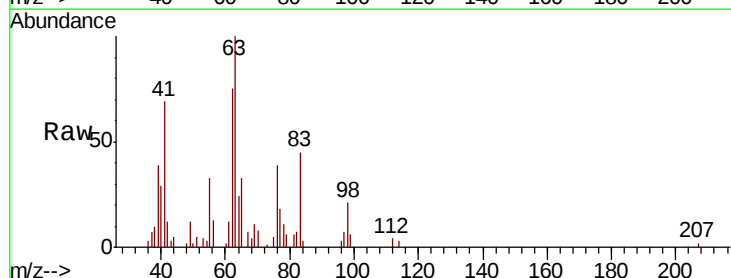


Abundance Ion 129.90 (129.60 to 130.60): VU030003.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU030003.D (-1568) (-)

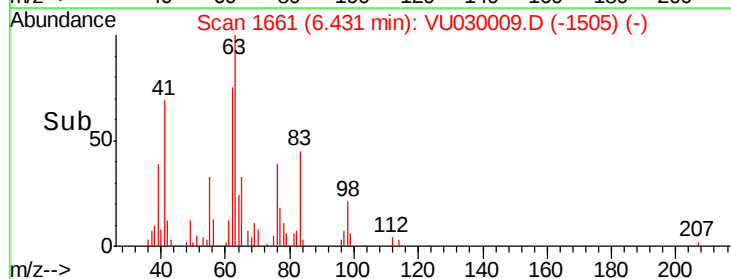
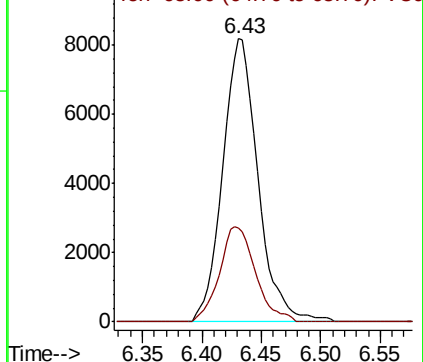


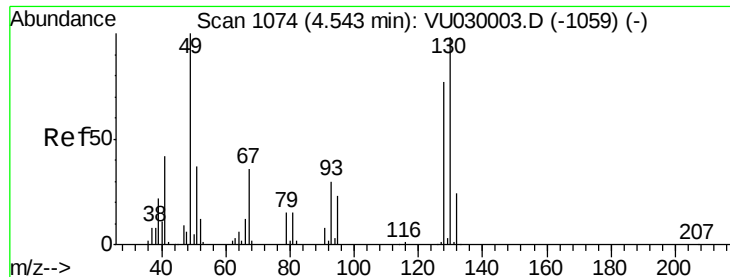
#38
 1,2-Dichloropropane
 Concen: 1.011 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Tgt Ion: 63 Resp: 16845
 Ion Ratio Lower Upper
 63 100
 65 33.4 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU030003.D (-1643) (-)
 Ion 65.00 (64.70 to 65.70): VU030003.D (-1643) (-)

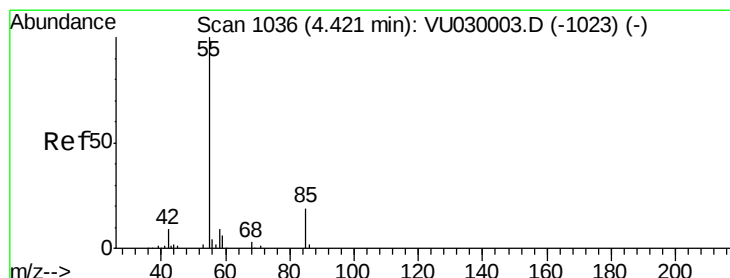
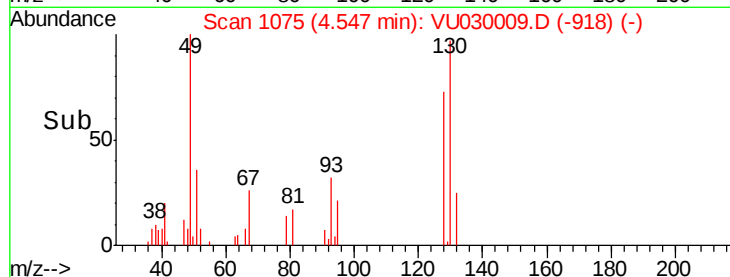
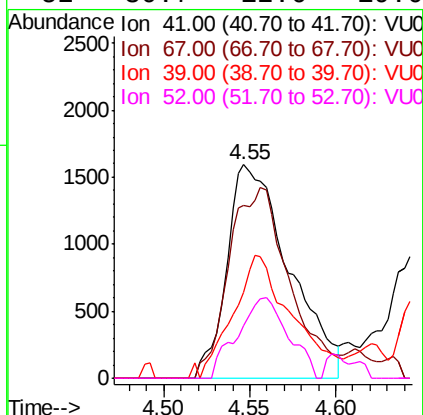
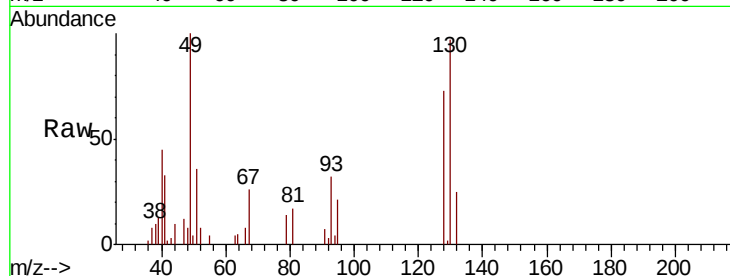




#39
Methacrylonitrile
Concen: 0.870 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

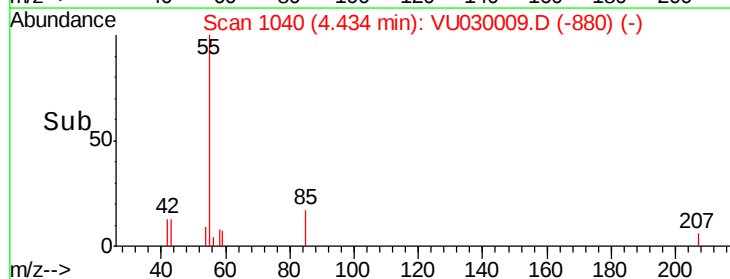
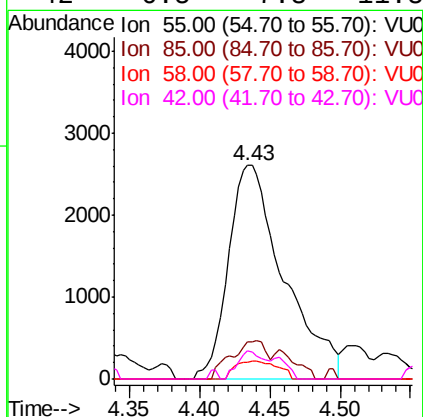
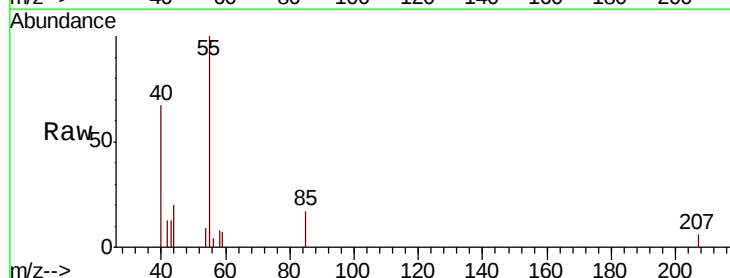
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

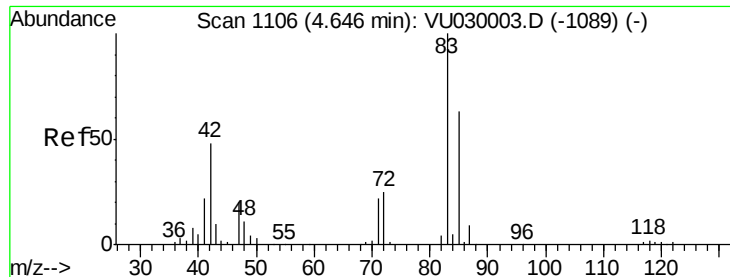
Tgt Ion: 41 Resp: 4020
Ion Ratio Lower Upper
41 100
67 87.7 71.4 107.0
39 55.1 41.9 62.9
52 30.7 12.6 19.0#



#40
Methyl acrylate
Concen: 0.982 ug/l
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

Tgt Ion: 55 Resp: 7169
Ion Ratio Lower Upper
55 100
85 11.4 16.2 24.2#
58 6.5 7.0 10.6#
42 6.5 7.8 11.8#





#41

Tetrahydrofuran

Concen: 1.753 ug/l

RT: 4.66 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

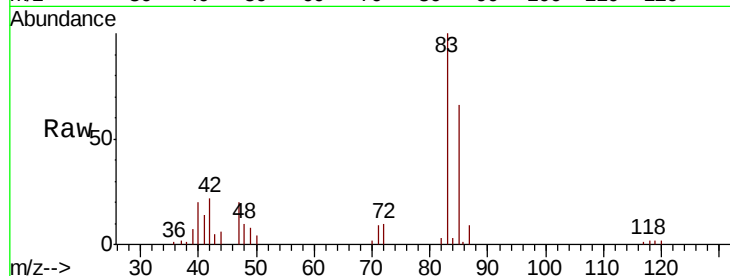
Tgt Ion: 42 Resp: 4481

Ion Ratio Lower Upper

42 100

72 52.0 44.9 67.3

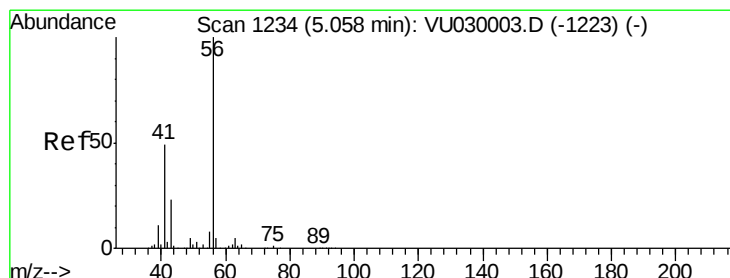
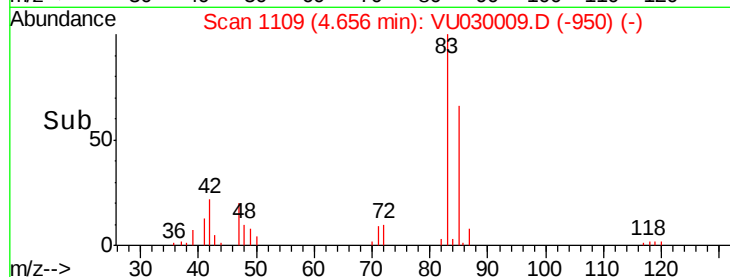
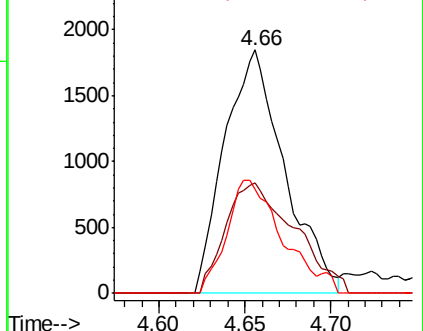
71 43.5 37.8 56.8



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 0.988 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VU030009.D

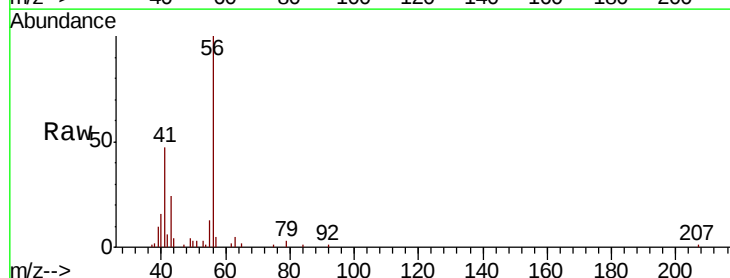
Acq: 12 Mar 2019 16:19

Tgt Ion: 56 Resp: 29009

Ion Ratio Lower Upper

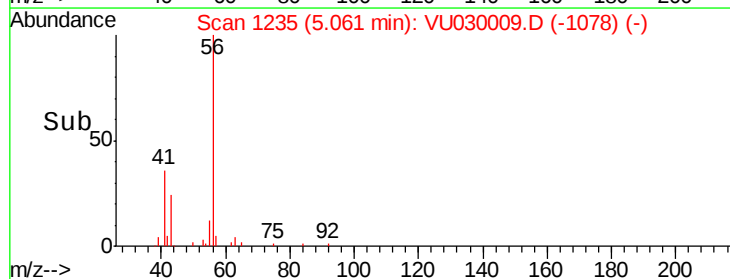
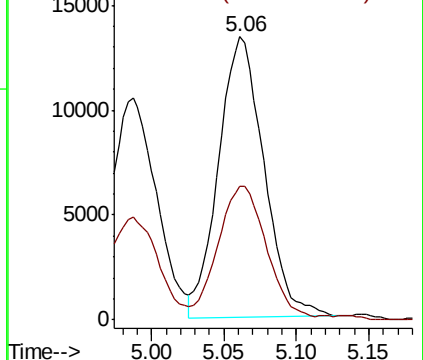
56 100

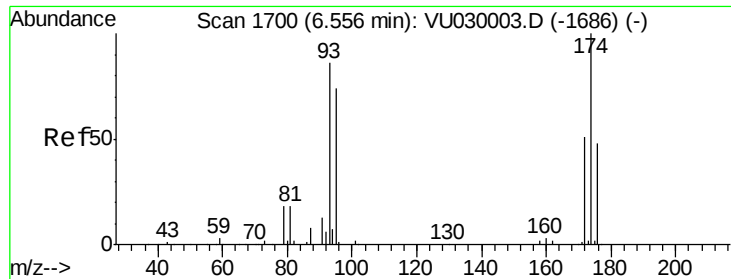
41 49.0 24.7 74.1



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

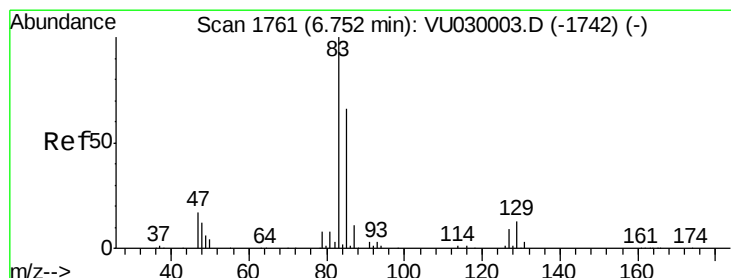
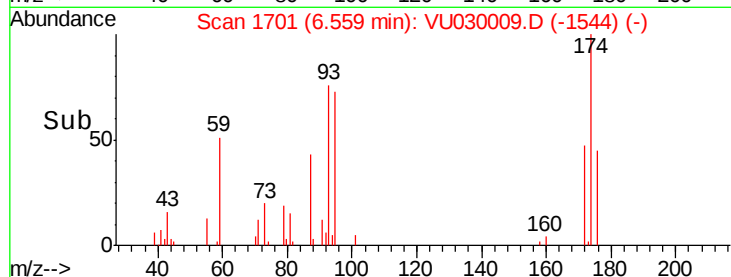
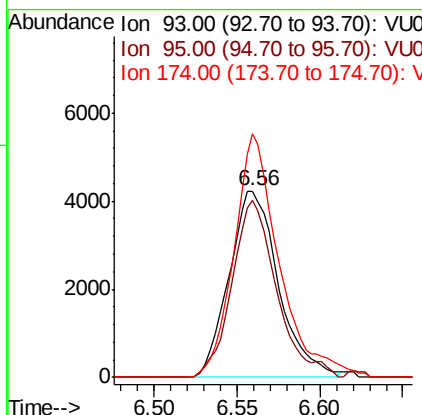
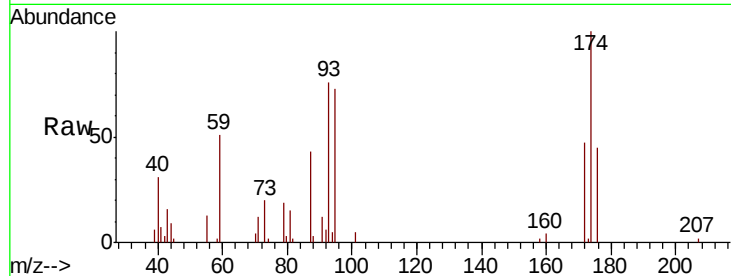




#43
Dibromomethane
Concen: 1.015 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

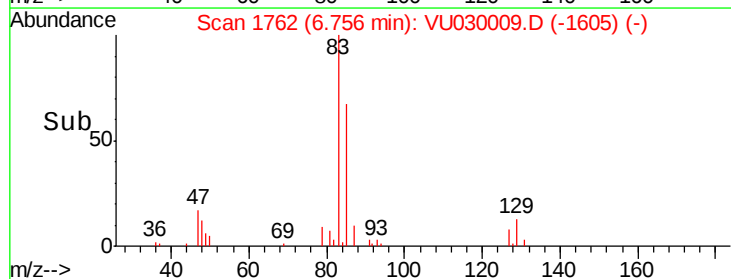
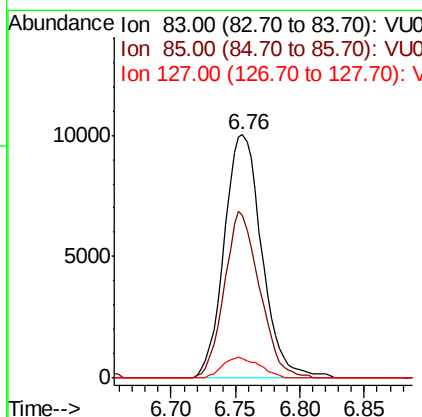
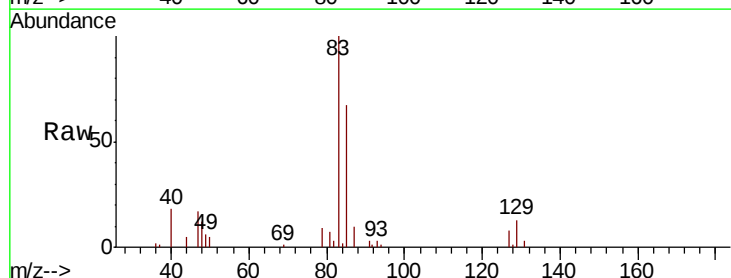
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

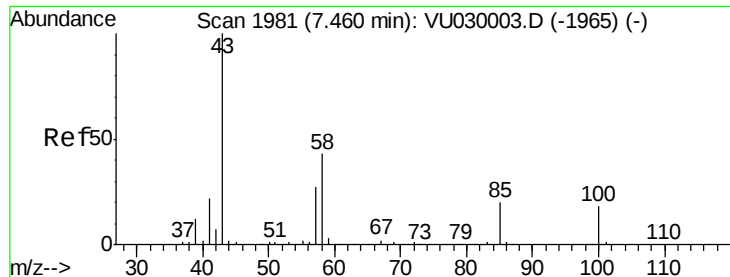
Tgt Ion: 93 Resp: 8750
Ion Ratio Lower Upper
93 100
95 85.6 68.6 102.8
174 119.4 91.8 137.8



#44
Bromodichloromethane
Concen: 0.990 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

Tgt Ion: 83 Resp: 20367
Ion Ratio Lower Upper
83 100
85 67.0 53.2 79.8
127 8.3 7.4 11.0

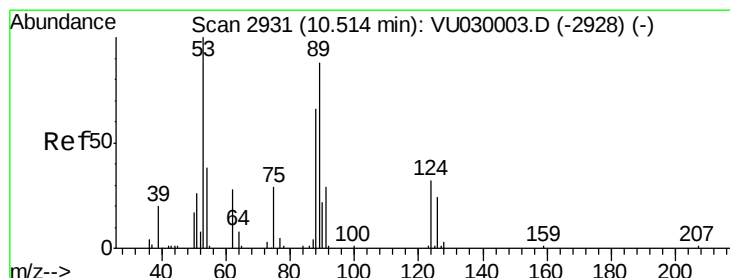
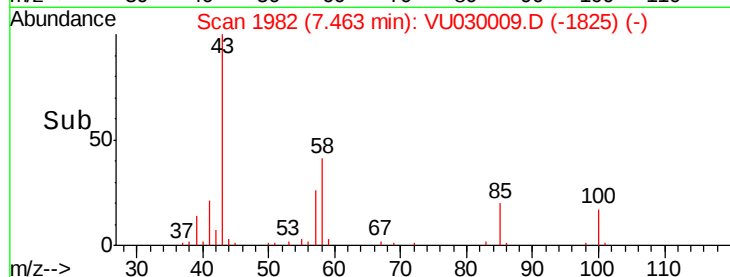
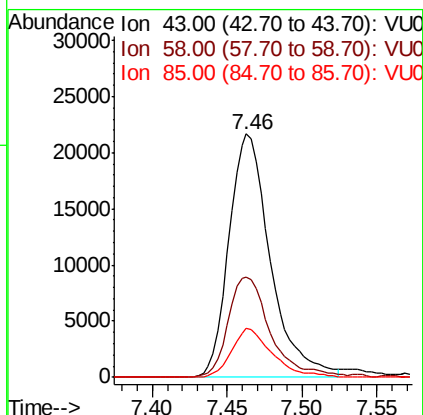
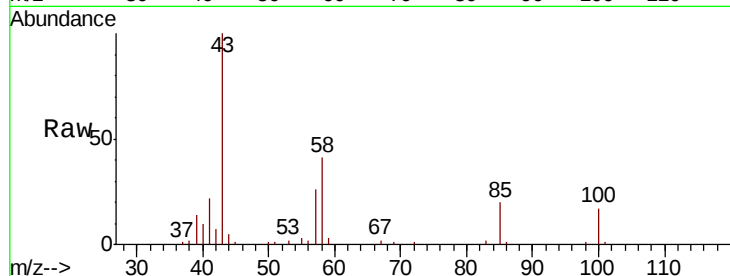




#45
 4-Methyl-2-Pentanone
 Concen: 4.909 ug/l
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

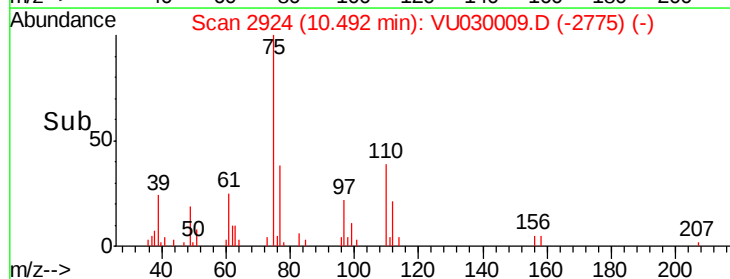
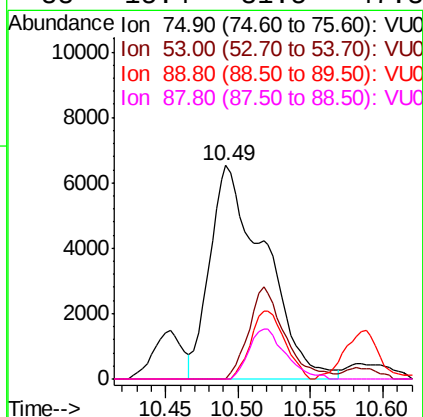
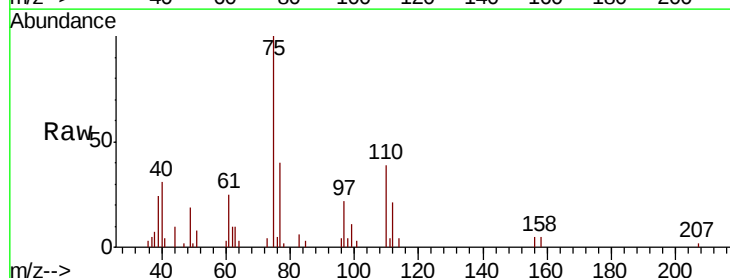
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

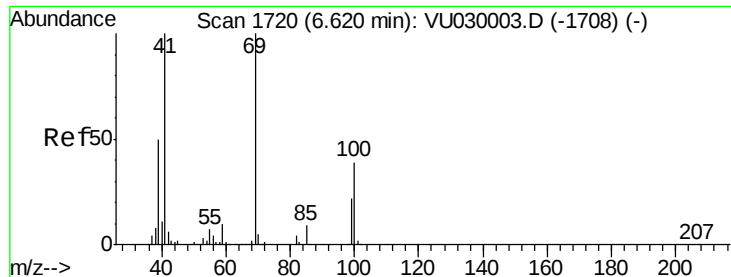
Tgt Ion: 43 Resp: 41819
 Ion Ratio Lower Upper
 43 100
 58 42.0 21.6 64.6
 85 19.7 16.3 24.5



#46
 t-1,4-Dichloro-2-butene
 Concen: 5.149 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.02 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Tgt Ion: 75 Resp: 17274
 Ion Ratio Lower Upper
 75 100
 53 28.0 57.0 85.6#
 89 19.7 43.6 65.4#
 88 15.4 31.5 47.3#





#47

Methyl methacrylate

Concen: 1.913 ug/l

RT: 6.63 min Scan# 1722

Delta R.T. 0.01 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tgt Ion: 69 Resp: 13821

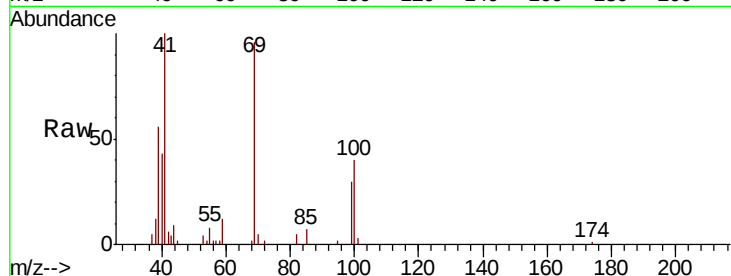
Ion Ratio Lower Upper

69 100

41 104.5 0.0 197.8

39 58.0 40.2 60.4

100 39.4 31.0 46.6

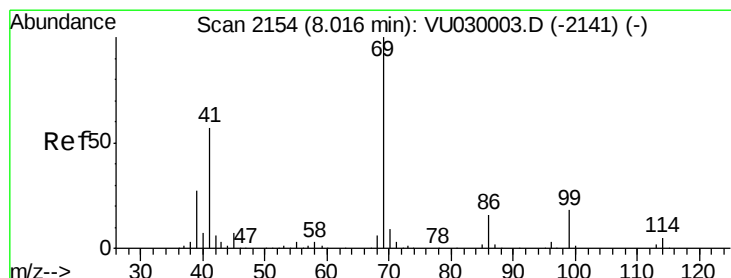
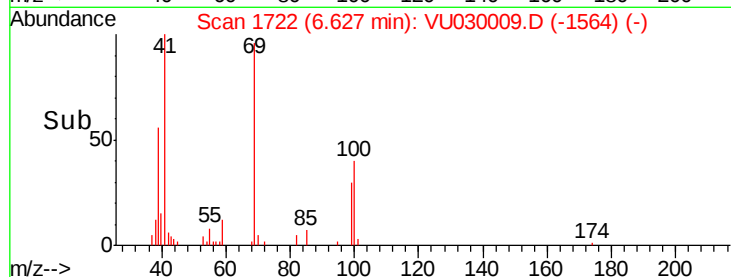
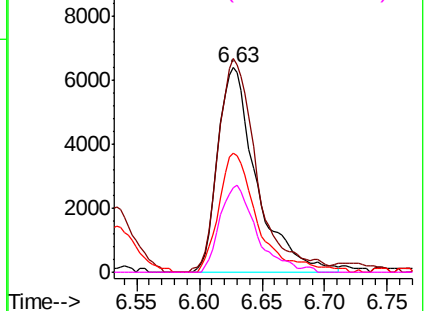


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#48

Ethyl methacrylate

Concen: 1.017 ug/l

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VU030009.D

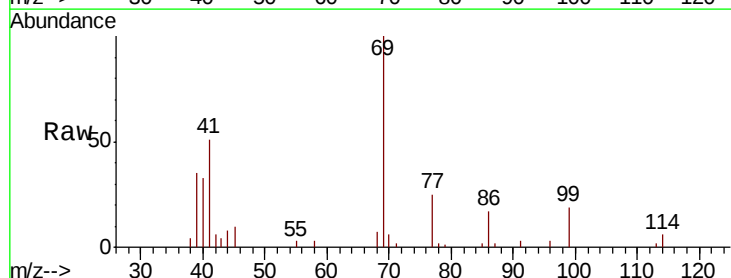
Acq: 12 Mar 2019 16:19

Tgt Ion: 69 Resp: 13861

Ion Ratio Lower Upper

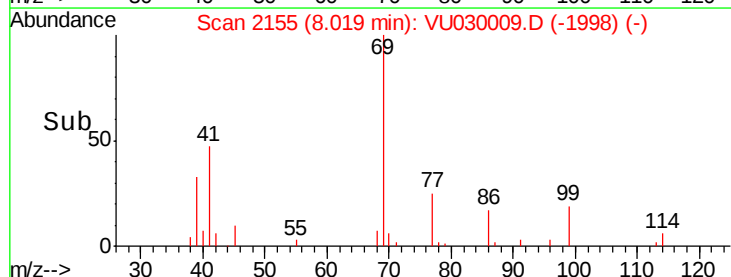
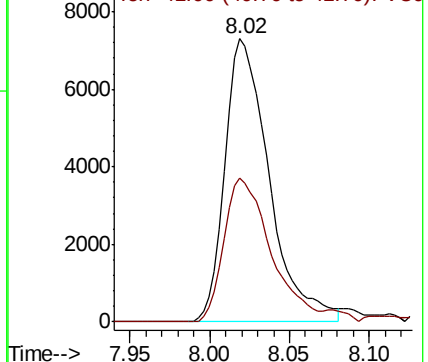
69 100

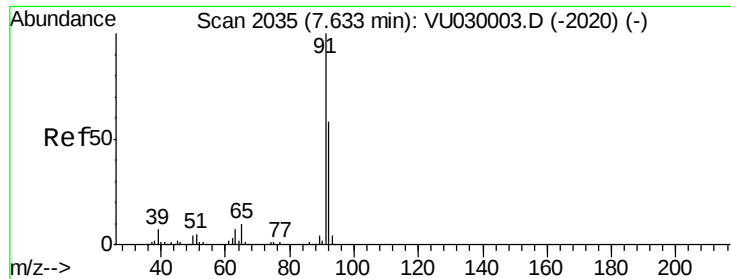
41 53.6 28.1 84.4



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 0.970 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

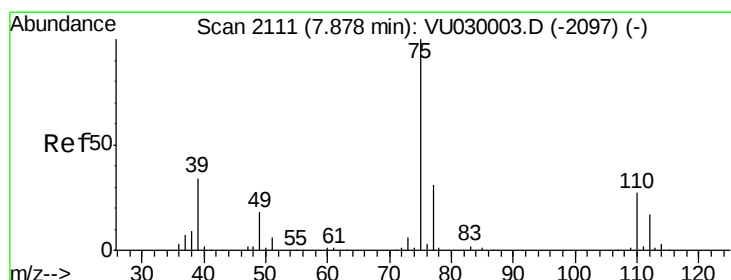
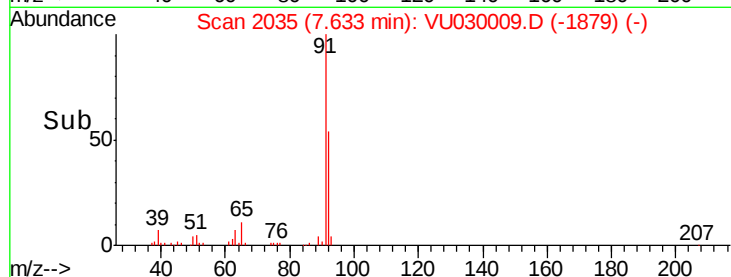
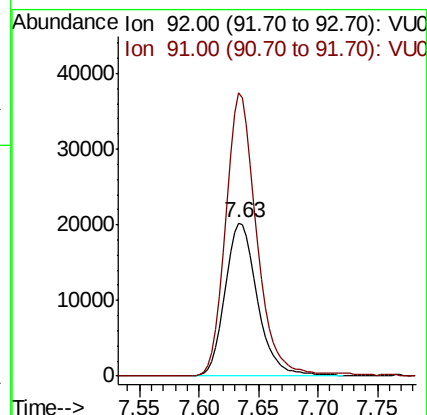
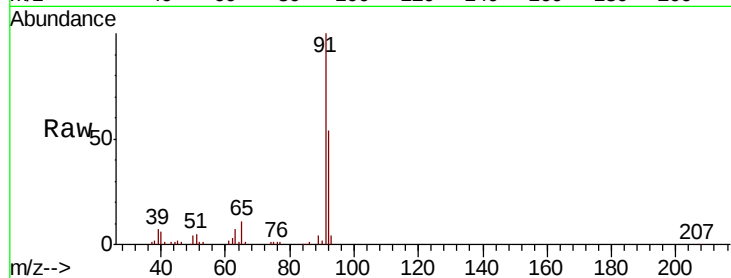
LOQ-WATER-02-QT1-2019

Tgt Ion: 92 Resp: 38332

Ion Ratio Lower Upper

92 100

91 175.4 140.1 210.1



#50

t-1,3-Dichloropropene

Concen: 0.943 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU030009.D

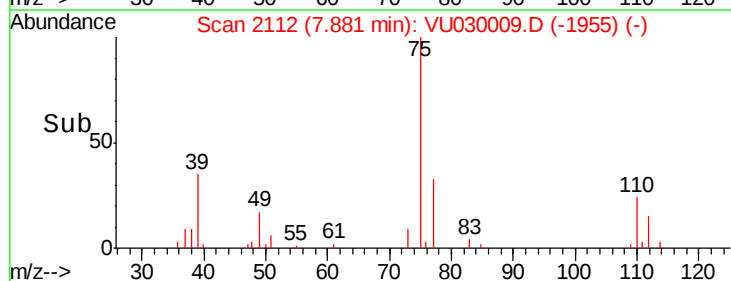
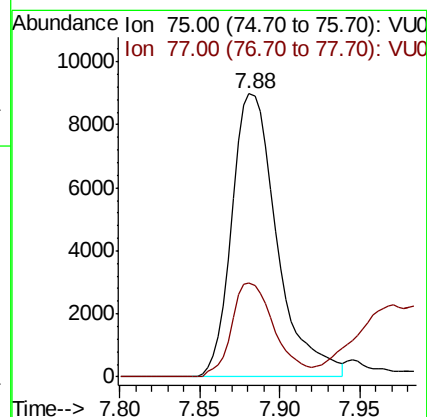
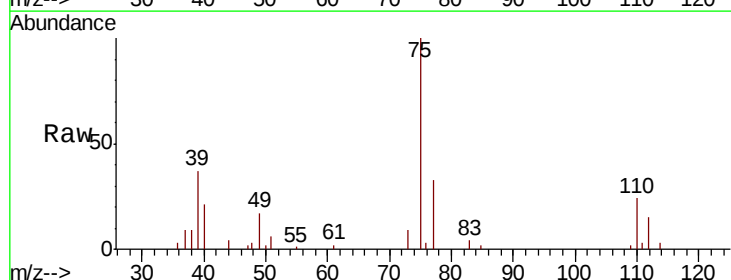
Acq: 12 Mar 2019 16:19

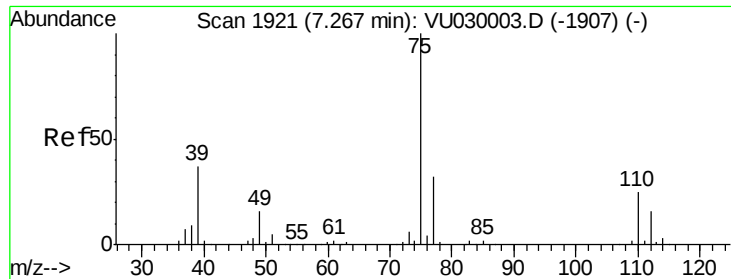
Tgt Ion: 75 Resp: 17379

Ion Ratio Lower Upper

75 100

77 33.3 25.1 37.7



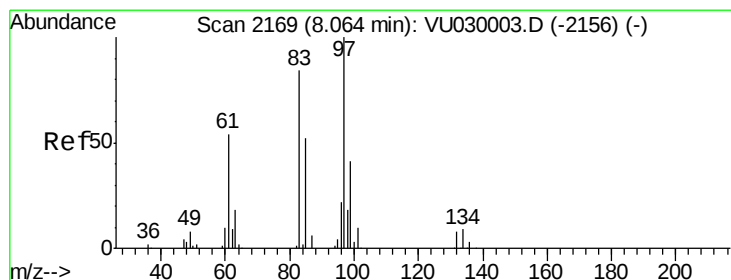
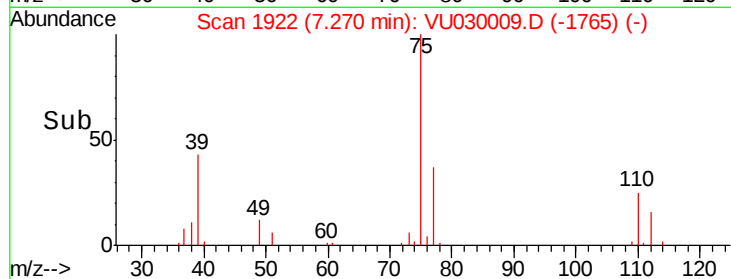
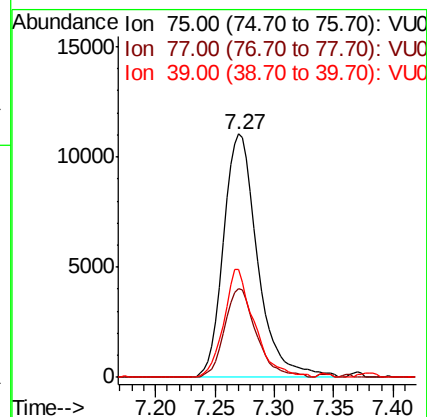
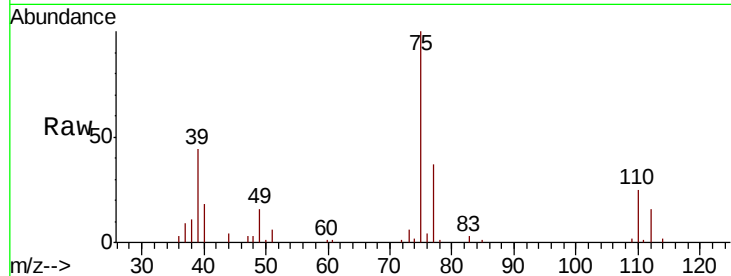


#51

cis-1,3-Dichloropropene
 Concen: 0.949 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

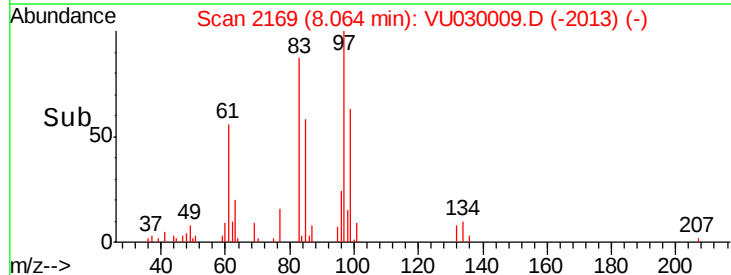
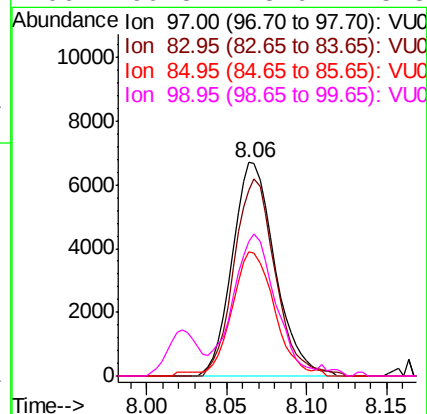
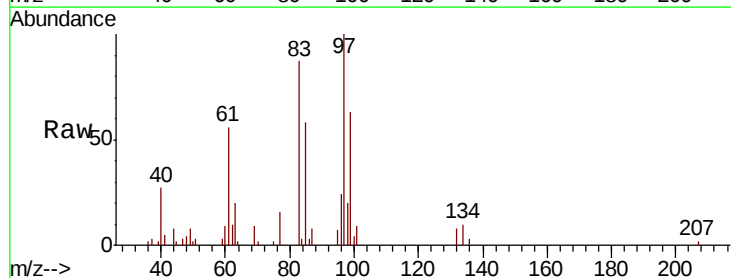
Tgt Ion: 75 Resp: 21965
 Ion Ratio Lower Upper
 75 100
 77 36.6 26.0 39.0
 39 44.5 29.5 44.3#

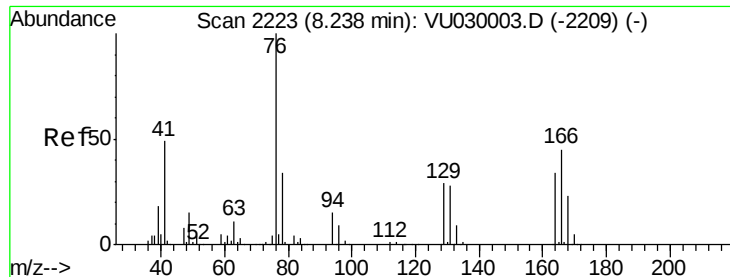


#52

1,1,2-Trichloroethane
 Concen: 1.003 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Tgt Ion: 97 Resp: 12232
 Ion Ratio Lower Upper
 97 100
 83 87.1 67.4 101.0
 85 57.9 42.6 64.0
 99 60.8 48.9 73.3

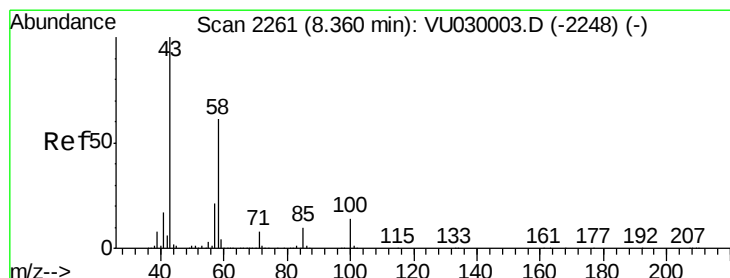
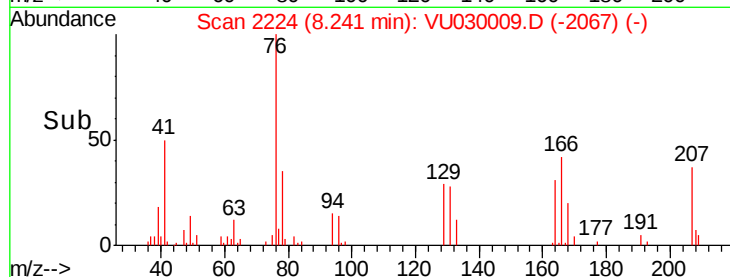
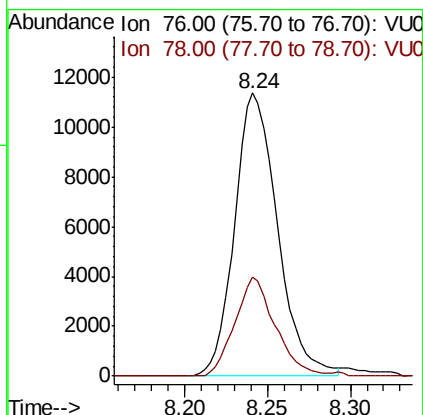
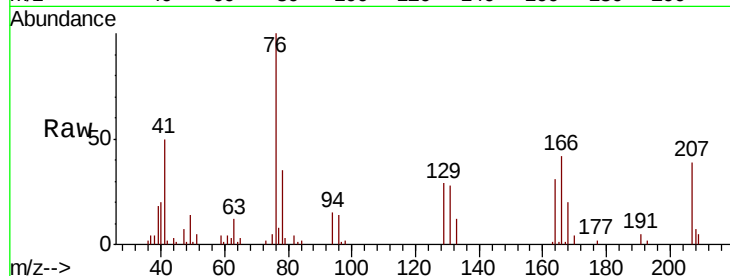




#53
 1,3-Dichloropropane
 Concen: 1.004 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

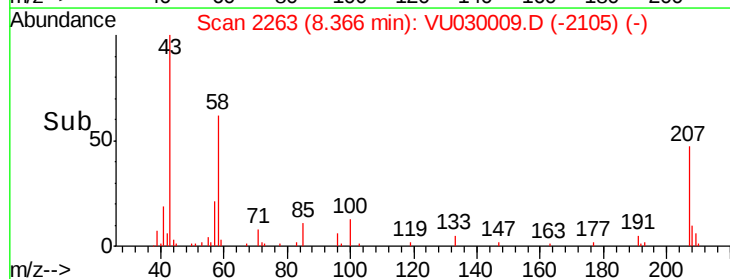
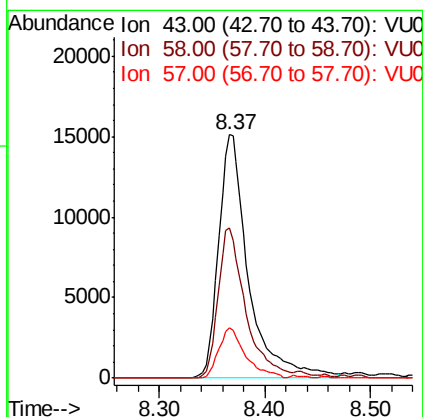
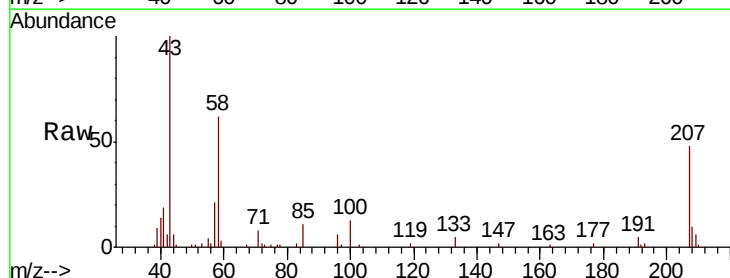
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

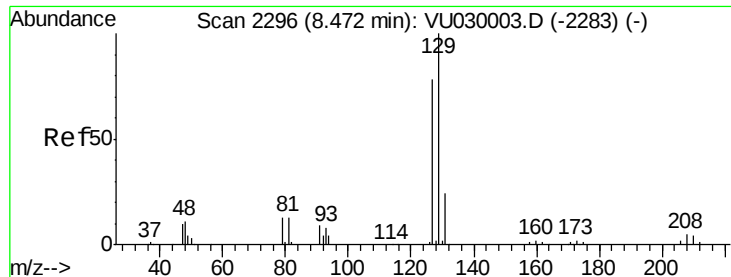
Tgt Ion: 76 Resp: 20474
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.4 39.6



#54
 2-Hexanone
 Concen: 4.823 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Tgt Ion: 43 Resp: 29605
 Ion Ratio Lower Upper
 43 100
 58 56.6 40.3 80.3
 57 18.5 0.6 40.6





#55

Dibromochloromethane

Concen: 0.976 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

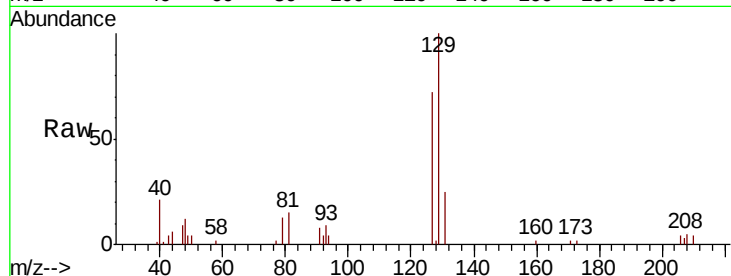
LOQ-WATER-02-QT1-2019

Tgt Ion:129 Resp: 14318

Ion Ratio Lower Upper

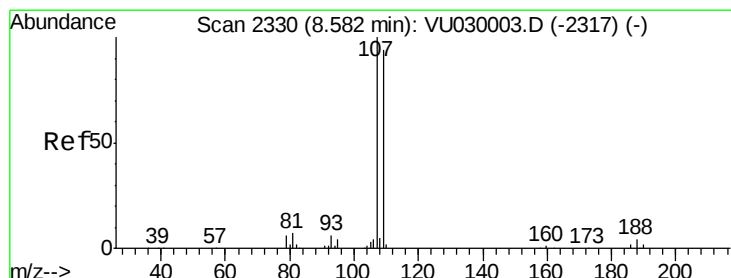
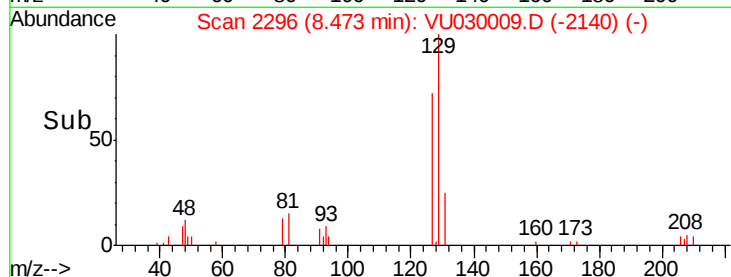
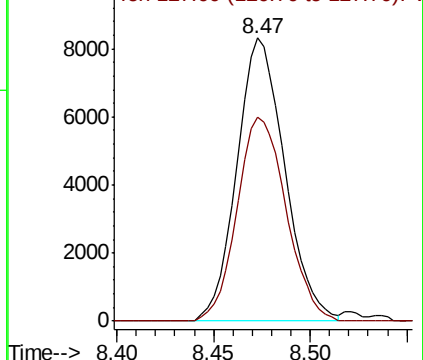
129 100

127 73.6 62.4 93.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.972 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.01 min

Lab File: VU030009.D

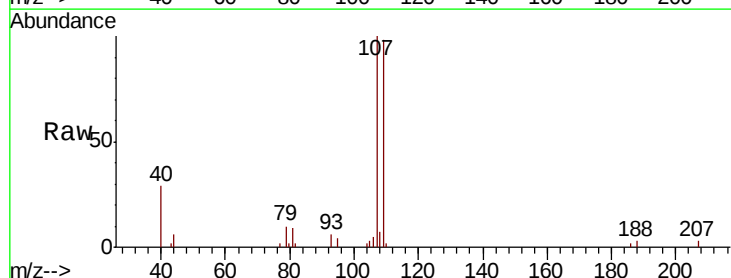
Acq: 12 Mar 2019 16:19

Tgt Ion:107 Resp: 11398

Ion Ratio Lower Upper

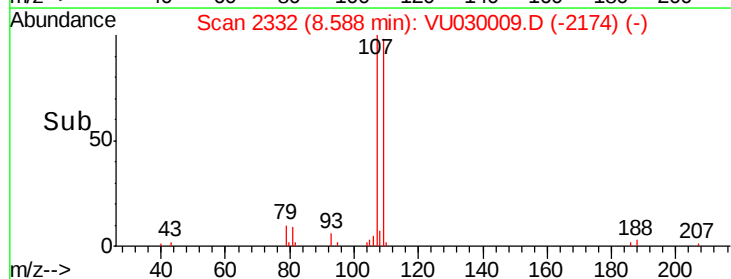
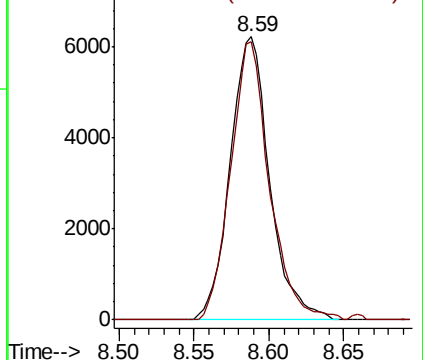
107 100

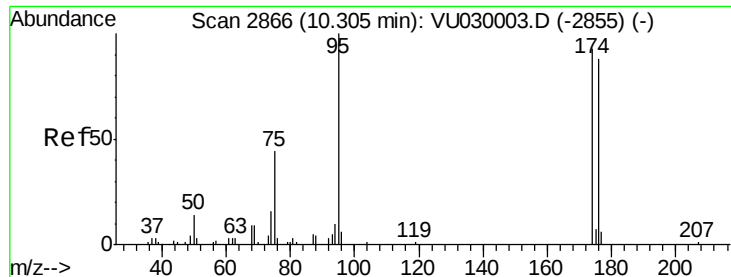
109 96.9 0.0 186.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

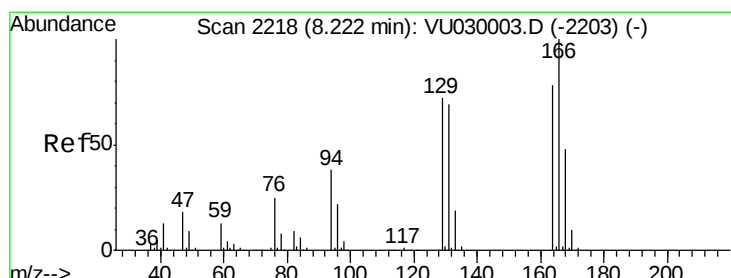
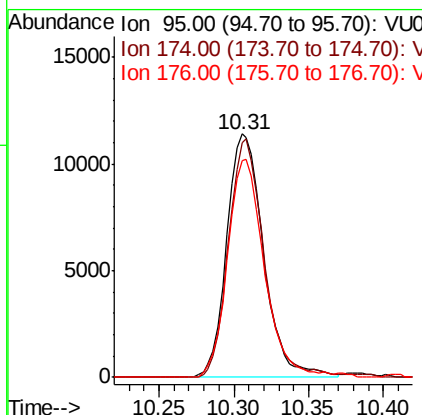
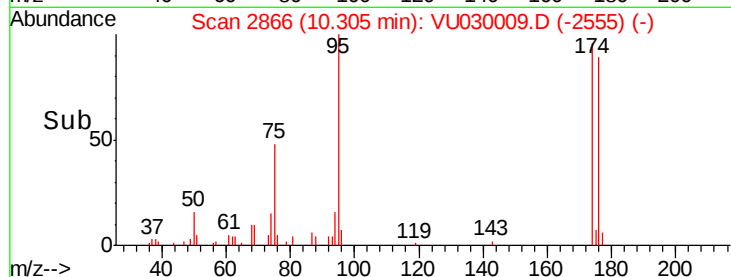
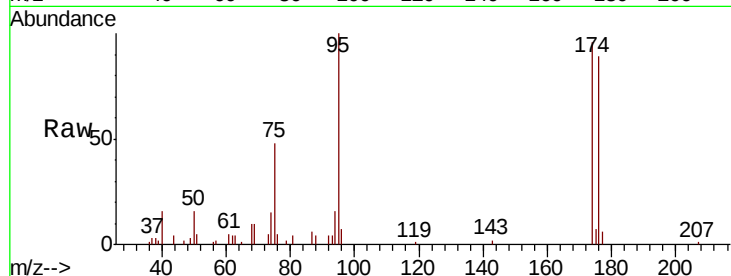




#57
4-Bromofluorobenzene
Concen: 0.972 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. 0.00 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

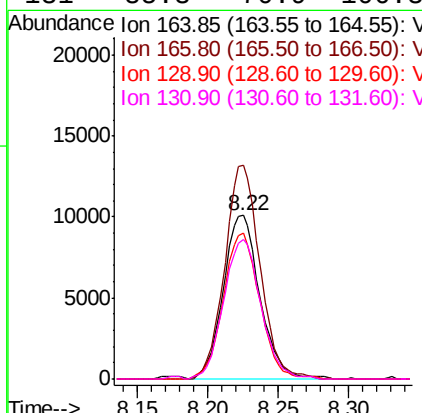
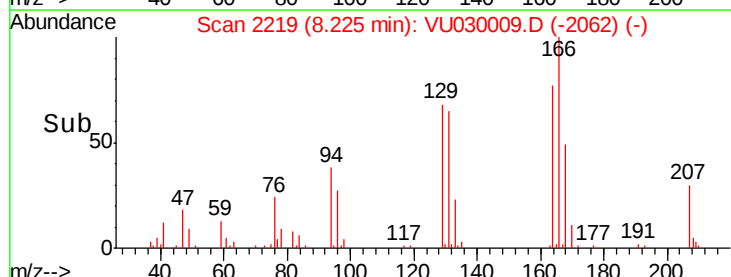
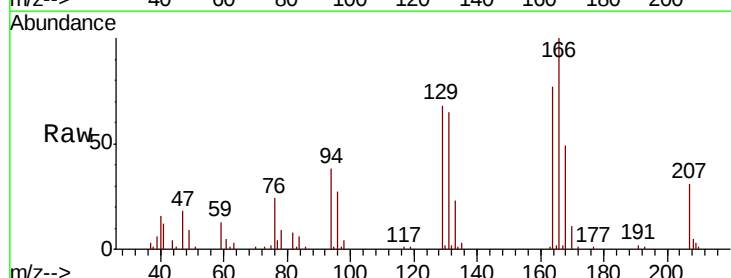
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

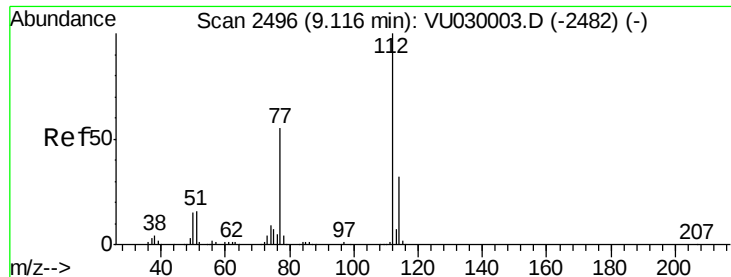
Tgt Ion: 95 Resp: 19551
Ion Ratio Lower Upper
95 100
174 95.0 78.1 117.1
176 89.2 70.8 106.2



#58
Tetrachloroethene
Concen: 1.069 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

Tgt Ion: 164 Resp: 18326
Ion Ratio Lower Upper
164 100
166 130.4 103.2 154.8
129 88.8 74.5 111.7
131 85.3 70.9 106.3

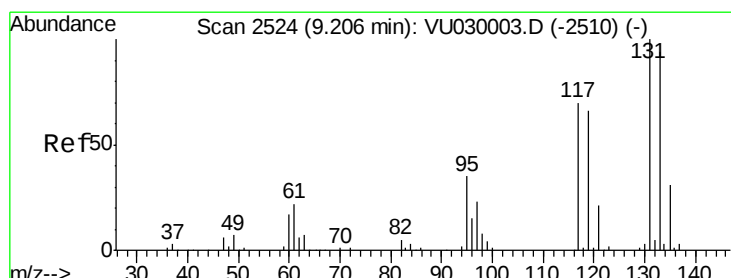
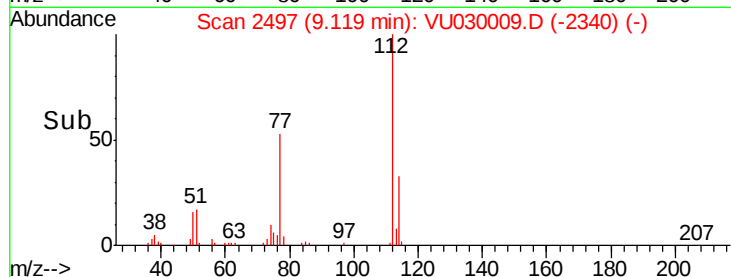
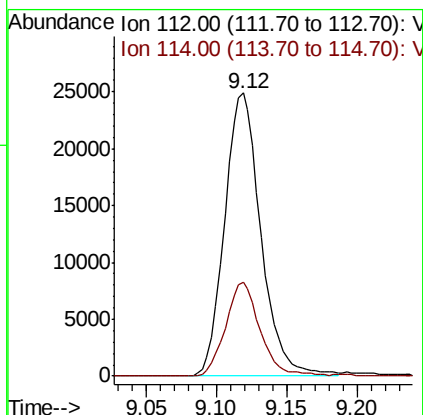
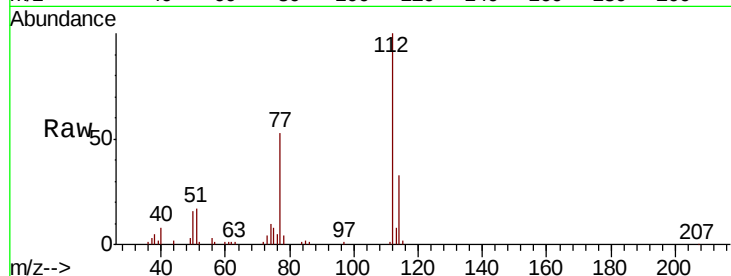




#59
Chlorobenzene
Concen: 0.991 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

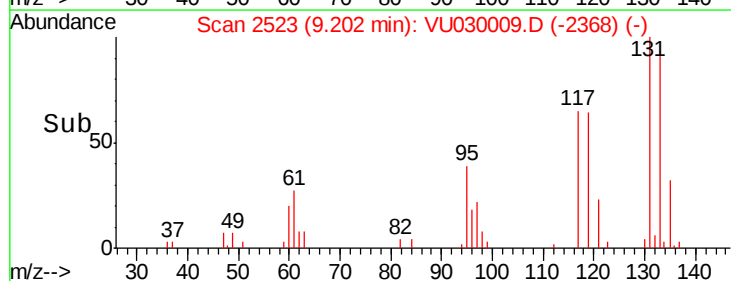
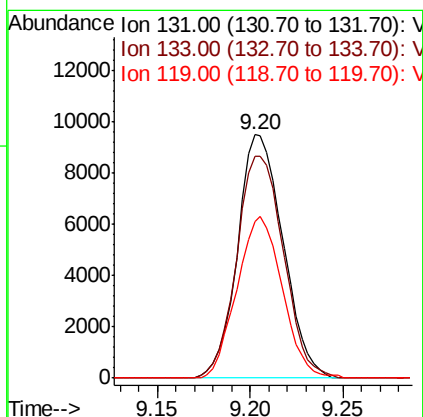
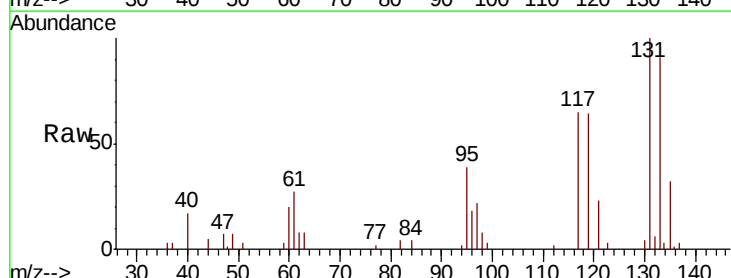
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

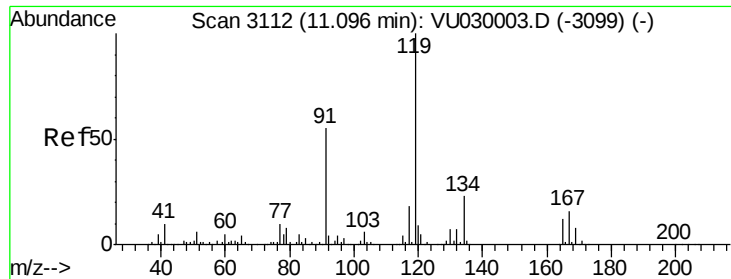
Tgt Ion:112 Resp: 44718
Ion Ratio Lower Upper
112 100
114 33.3 25.6 38.4



#60
1,1,1,2-Tetrachloroethane
Concen: 1.016 ug/l
RT: 9.20 min Scan# 2523
Delta R.T. -0.00 min
Lab File: VU030009.D
Acq: 12 Mar 2019 16:19

Tgt Ion:131 Resp: 16196
Ion Ratio Lower Upper
131 100
133 94.0 75.6 113.4
119 66.0 53.3 79.9

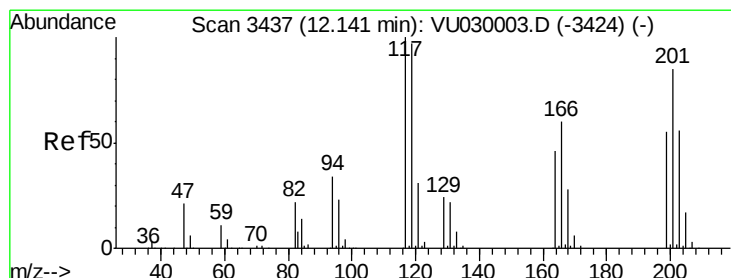
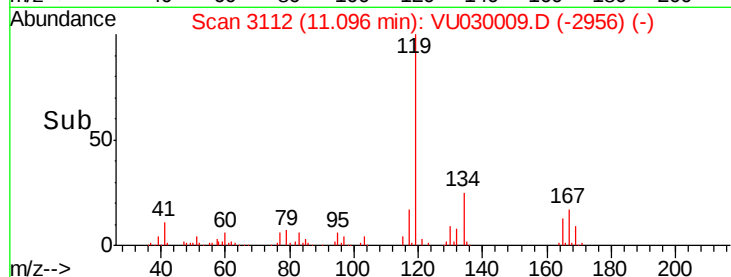
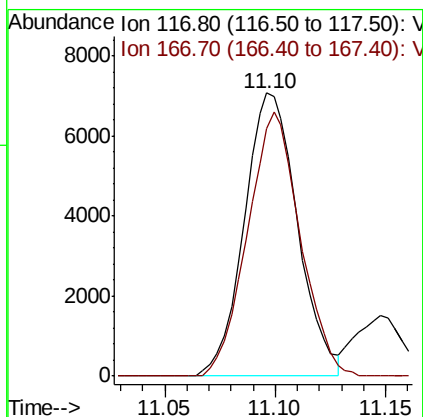
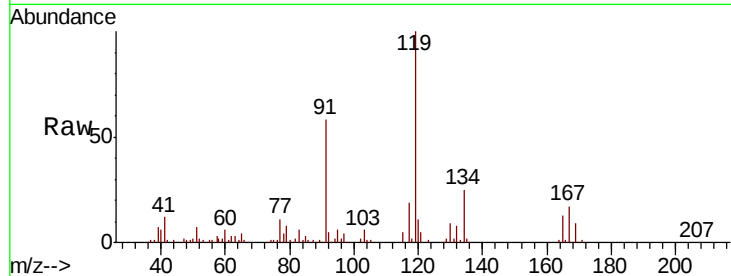




#61
 Pentachloroethane
 Concen: 0.961 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

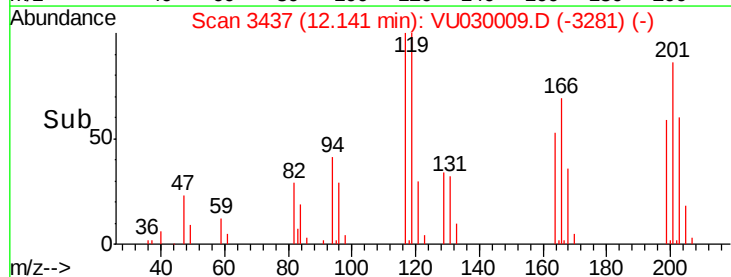
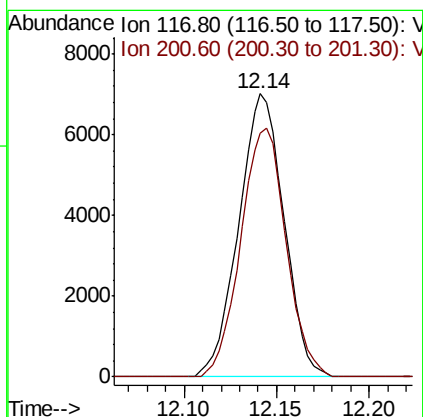
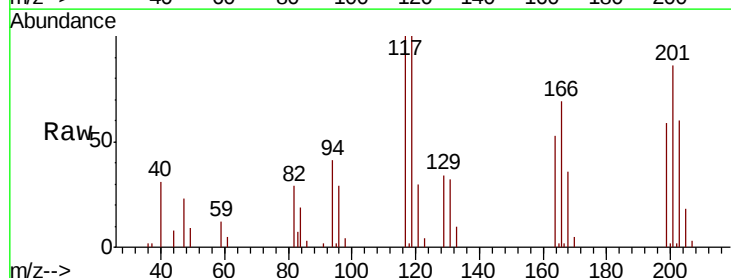
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

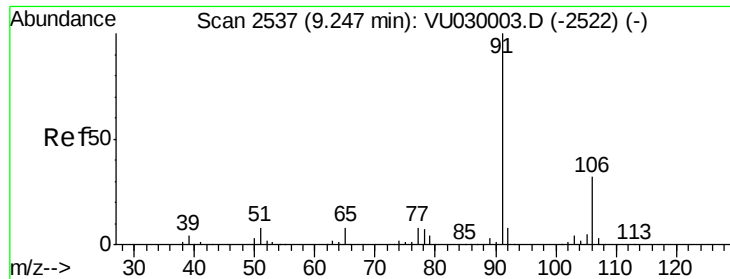
Tgt Ion:117 Resp: 11822
 Ion Ratio Lower Upper
 117 100
 167 92.0 73.1 109.7



#62
 Hexachloroethane
 Concen: 0.958 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Tgt Ion:117 Resp: 11878
 Ion Ratio Lower Upper
 117 100
 201 87.9 69.5 104.3





#63

Ethyl Benzene

Concen: 0.952 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

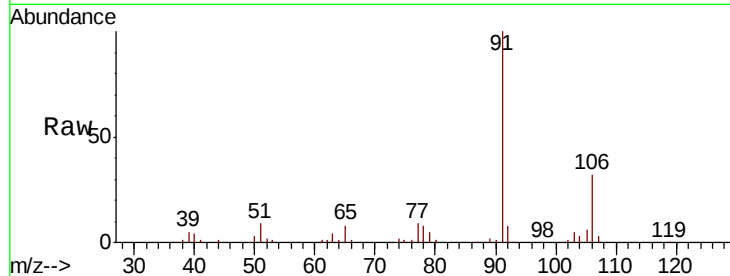
LOQ-WATER-02-QT1-2019

Tgt Ion: 91 Resp: 70597

Ion Ratio Lower Upper

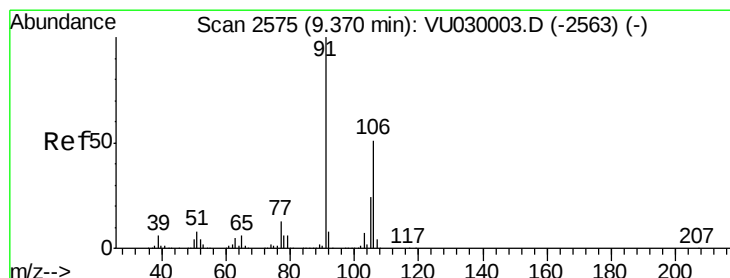
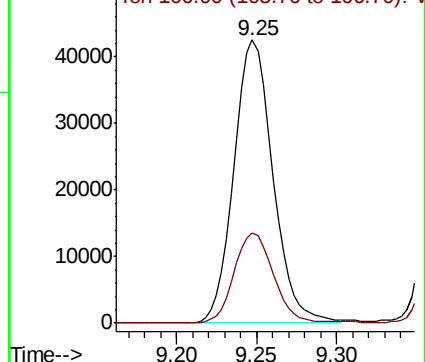
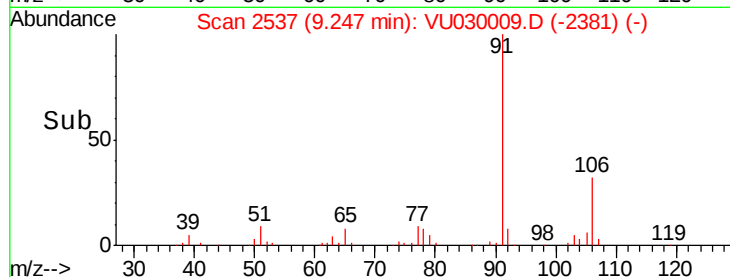
91 100

106 31.9 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VU030009.D (-2381) (-)

Ion 106.00 (105.70 to 106.70): VU030009.D (-2381) (-)



#64

m/p-Xylenes

Concen: 1.916 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030009.D

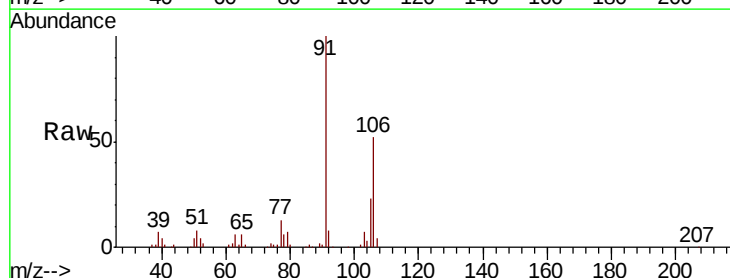
Acq: 12 Mar 2019 16:19

Tgt Ion: 106 Resp: 55894

Ion Ratio Lower Upper

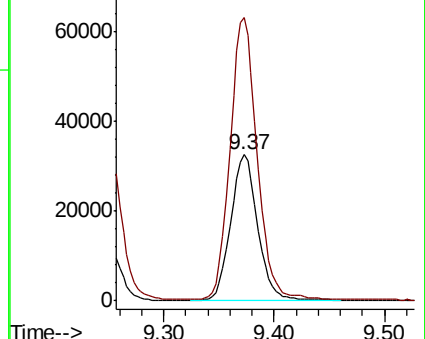
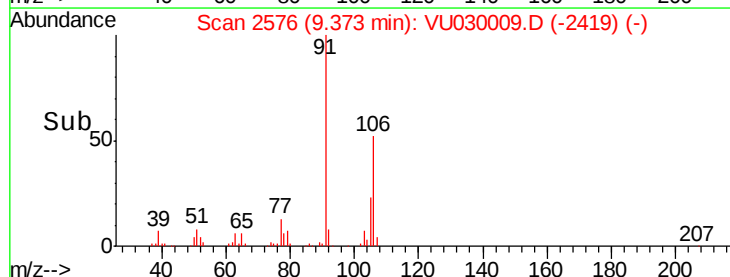
106 100

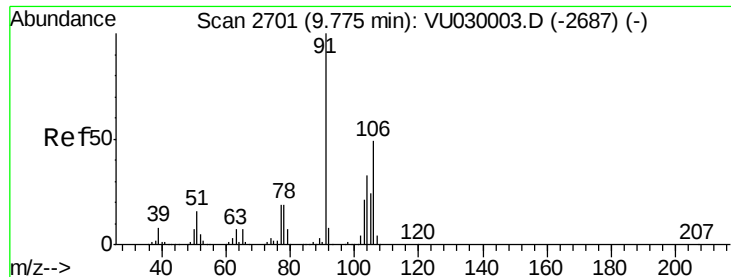
91 190.7 157.9 236.9



Abundance Ion 106.00 (105.70 to 106.70): VU030009.D (-2419) (-)

Ion 91.00 (90.70 to 91.70): VU030009.D (-2419) (-)





#65

o-Xylene

Concen: 0.972 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

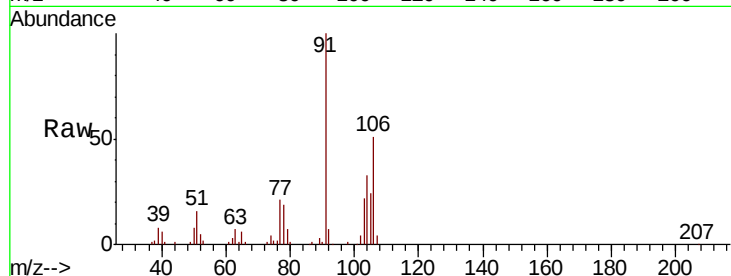
LOQ-WATER-02-QT1-2019

Tgt Ion:106 Resp: 27798

Ion Ratio Lower Upper

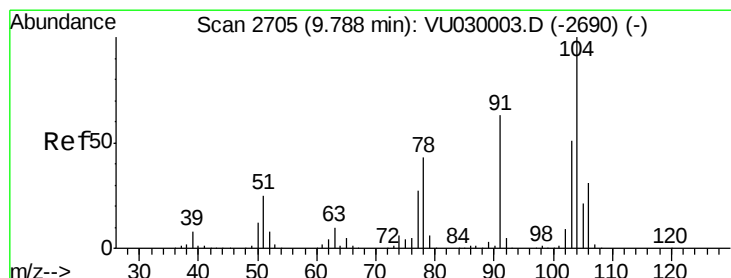
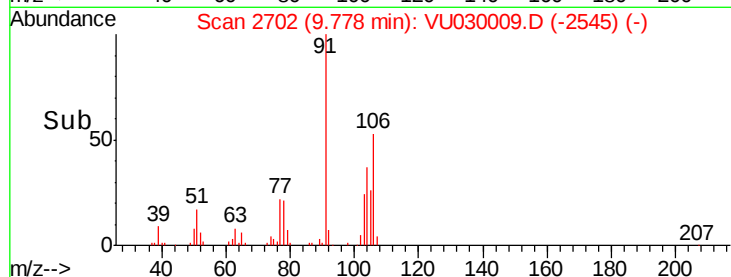
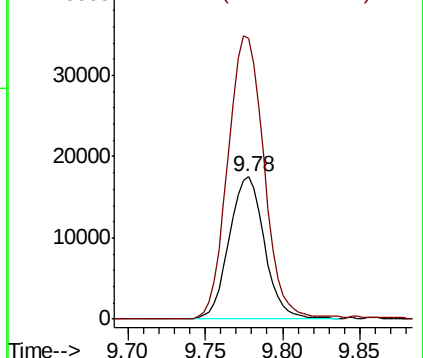
106 100

91 204.1 103.2 309.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.932 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

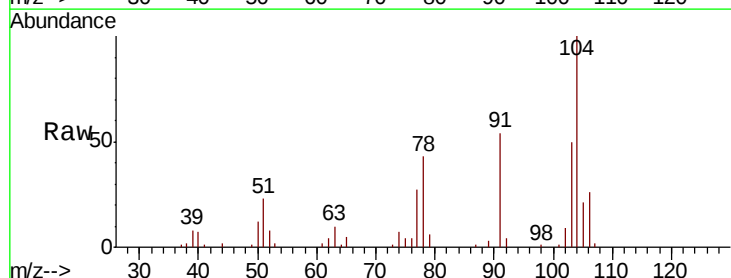
Tgt Ion:104 Resp: 43682

Ion Ratio Lower Upper

104 100

78 47.8 37.0 55.4

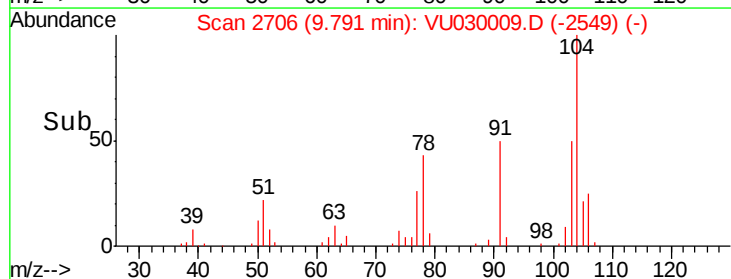
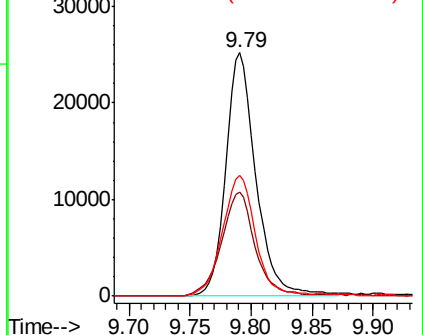
103 54.1 43.8 65.6

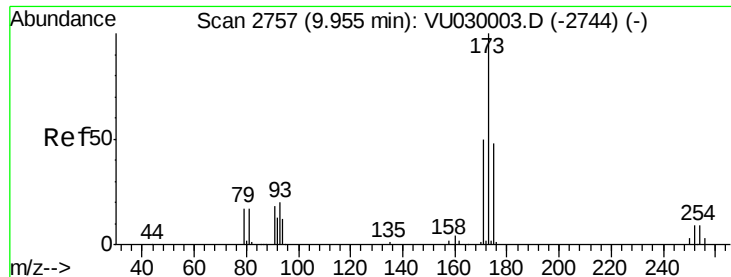


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.986 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

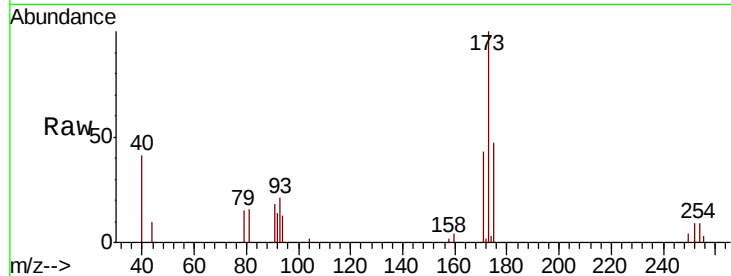
Tgt Ion:173 Resp: 8264

Ion Ratio Lower Upper

173 100

175 48.0 39.0 58.4

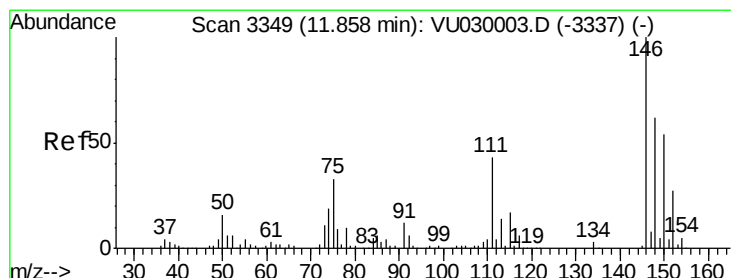
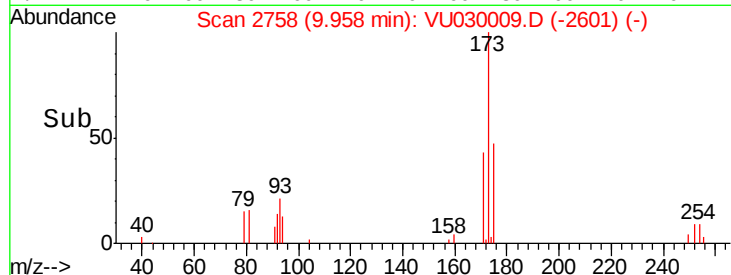
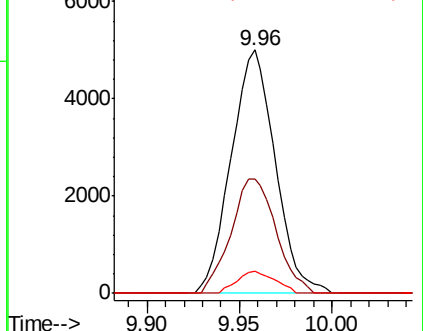
254 7.7 7.0 10.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.986 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

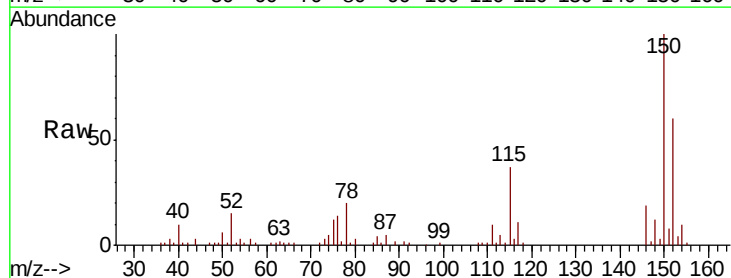
Tgt Ion:152 Resp: 23781

Ion Ratio Lower Upper

152 100

115 70.5 0.0 126.8

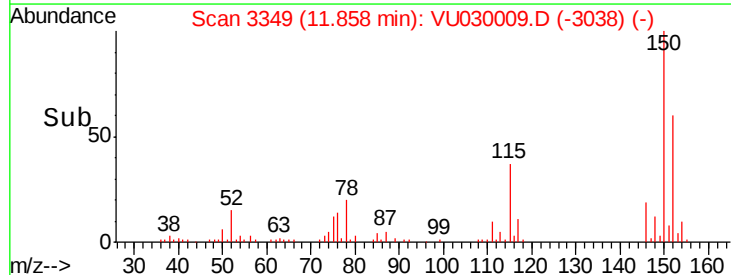
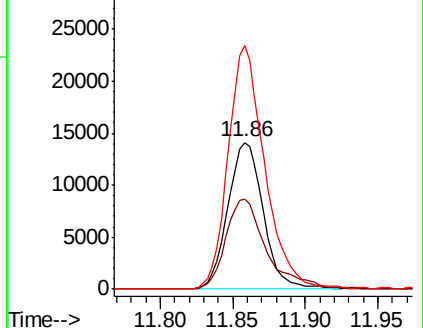
150 172.2 0.0 634.2

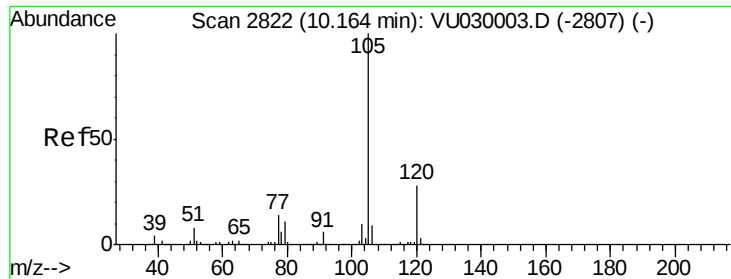


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.957 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

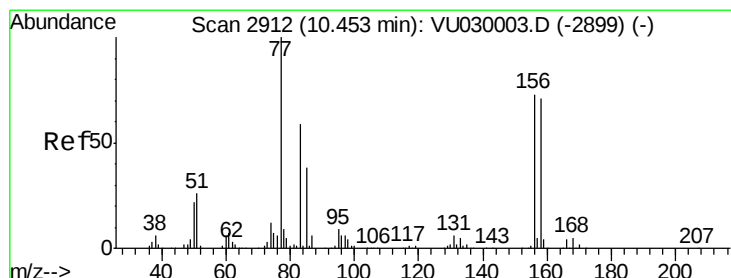
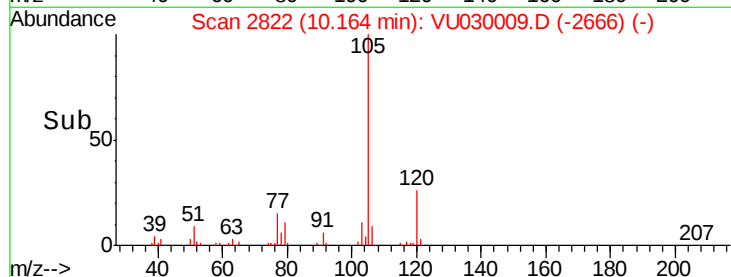
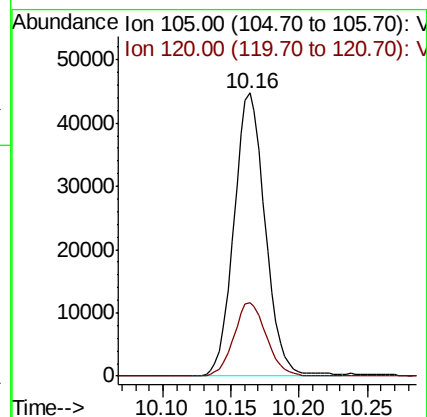
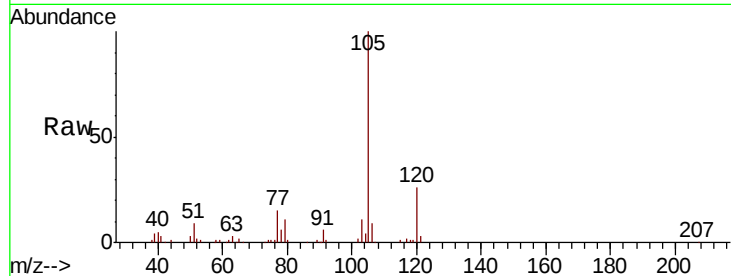
LOQ-WATER-02-QT1-2019

Tgt Ion:105 Resp: 71359

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



#70

1,1,2,2-Tetrachloroethane

Concen: 1.043 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

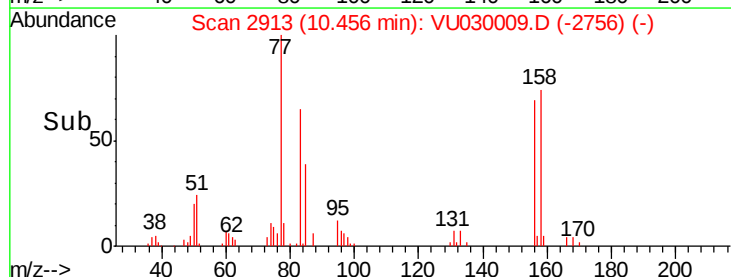
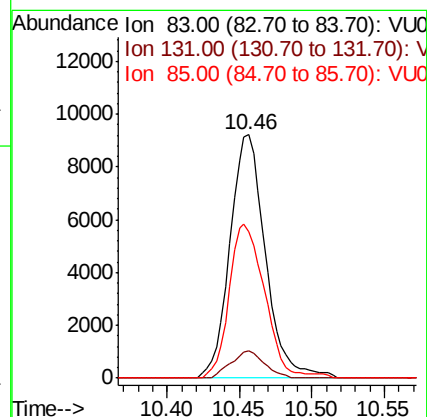
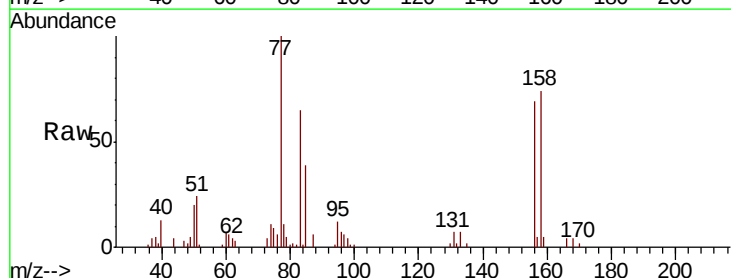
Tgt Ion: 83 Resp: 15675

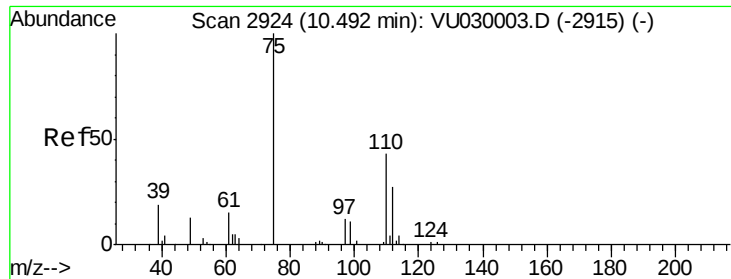
Ion Ratio Lower Upper

83 100

131 10.5 8.4 12.6

85 63.3 52.6 78.8

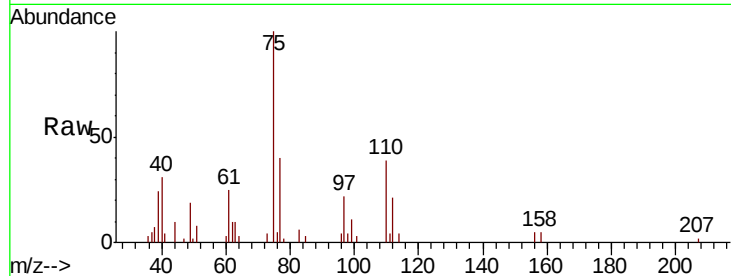




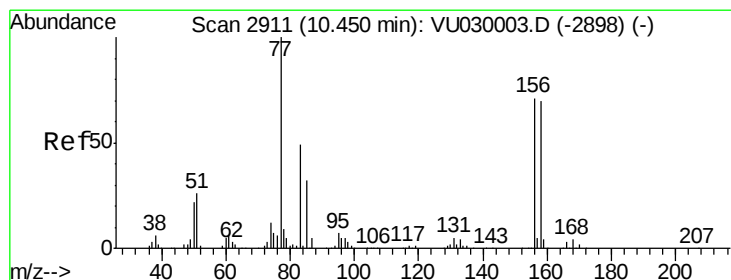
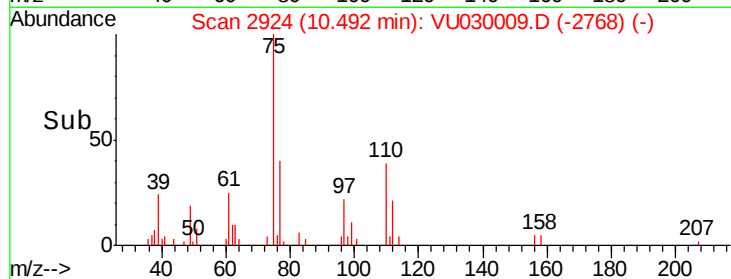
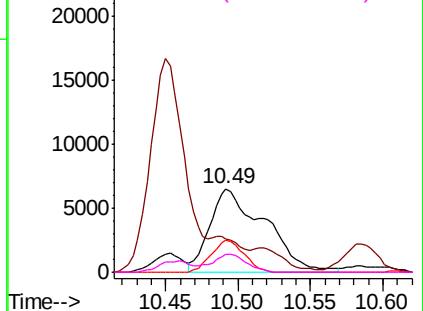
#71
 1,2,3-Trichloropropane
 Concen: 1.529 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tgt Ion:	75	Resp:	17274
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	16.8
110	22.6	0.0	76.8
97	12.5	0.0	40.8

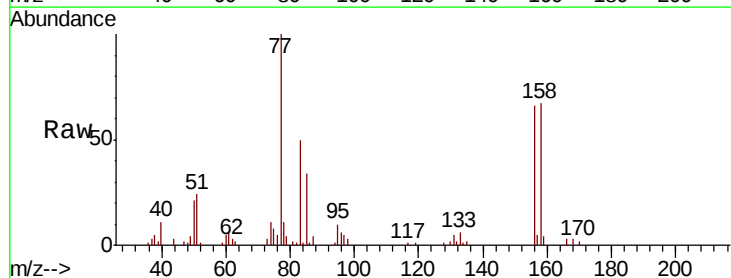


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 97.00 (96.70 to 97.70): VU0

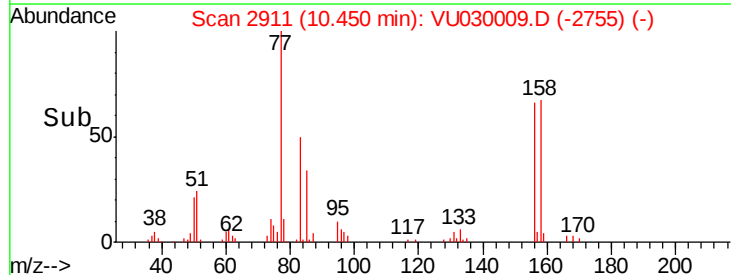
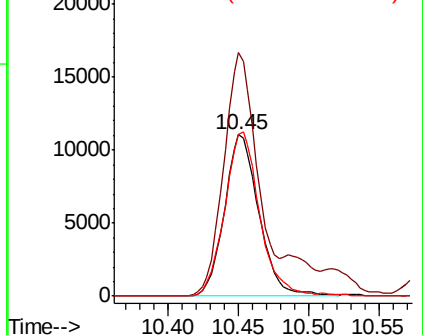


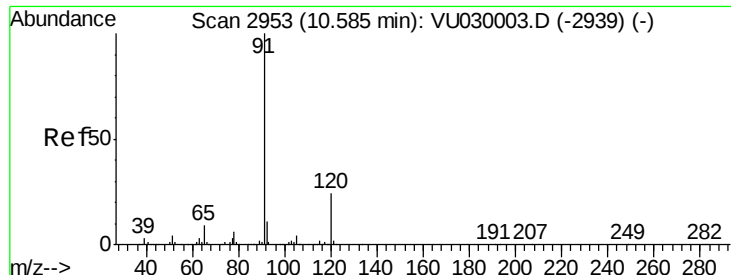
#72
 Bromobenzene
 Concen: 0.963 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Tgt Ion:	156	Resp:	18843
Ion	Ratio	Lower	Upper
156	100		
77	145.6	0.0	278.6
158	102.6	0.0	195.2



Abundance Ion 156.00 (155.70 to 156.70): V
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 0.922 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

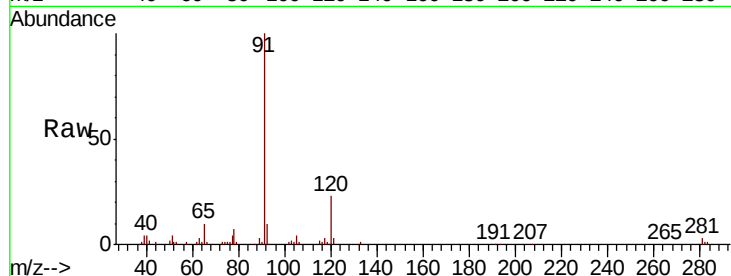
LOQ-WATER-02-QT1-2019

Tgt Ion:120 Resp: 19504

Ion Ratio Lower Upper

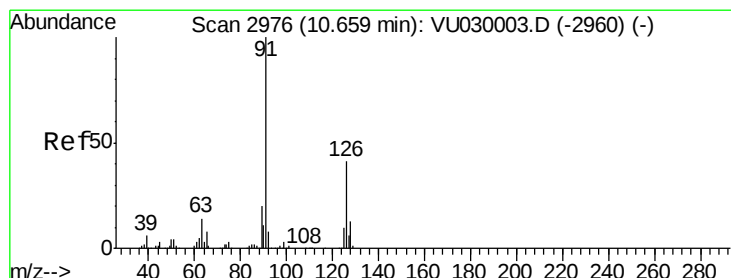
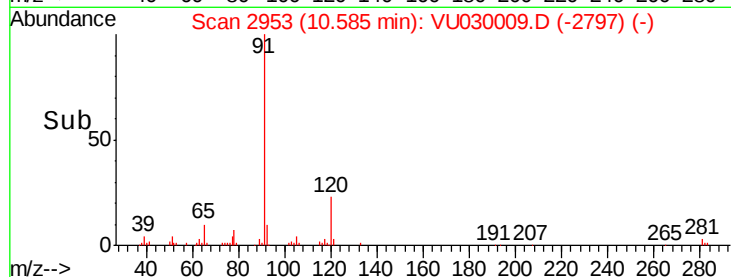
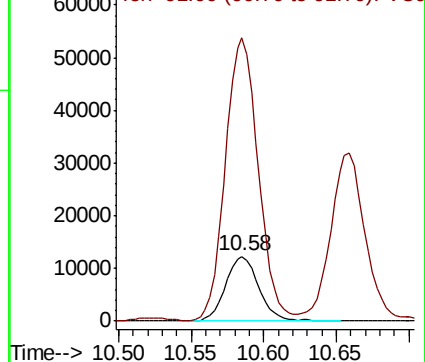
120 100

91 430.5 335.4 503.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.984 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU030009.D

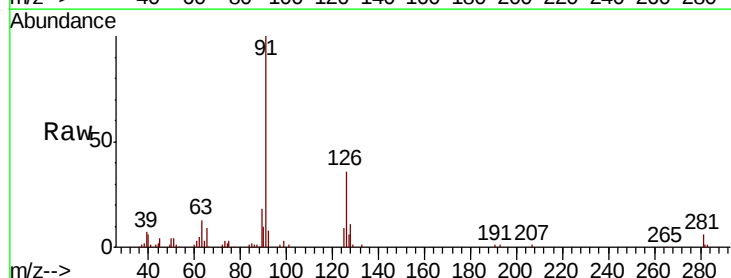
Acq: 12 Mar 2019 16:19

Tgt Ion:126 Resp: 18232

Ion Ratio Lower Upper

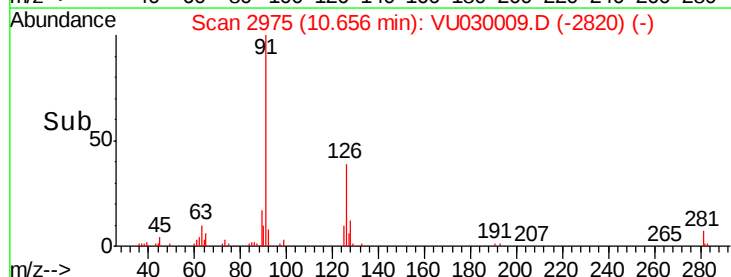
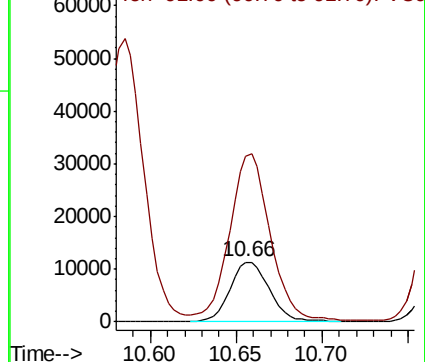
126 100

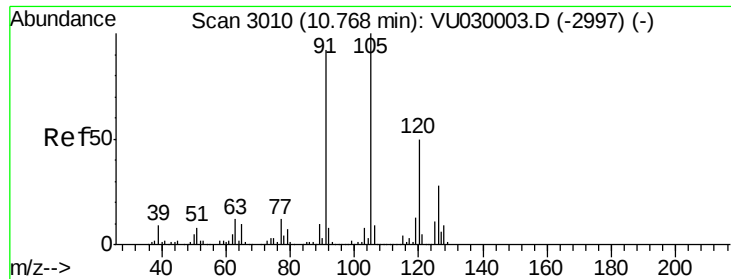
91 284.2 0.0 561.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.936 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

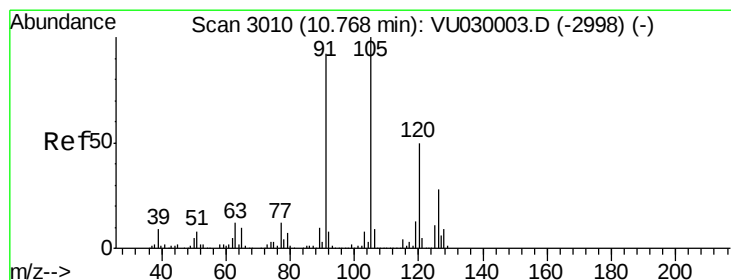
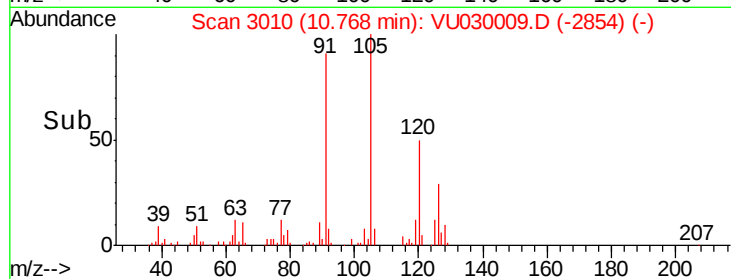
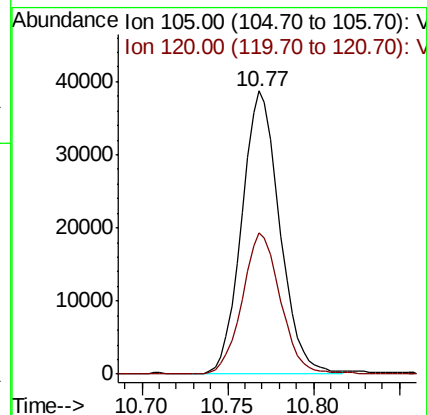
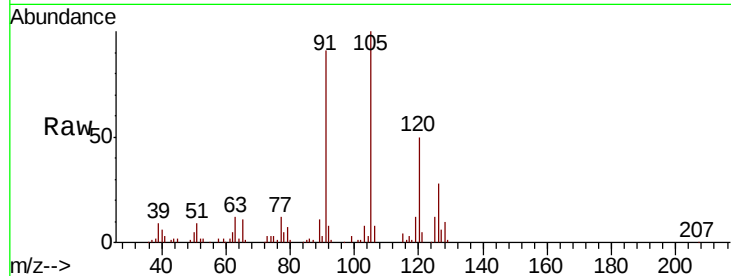
LOQ-WATER-02-QT1-2019

Tgt Ion:105 Resp: 59482

Ion Ratio Lower Upper

105 100

120 50.2 39.8 59.8



#76

4-Chlorotoluene

Concen: 1.000 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030009.D

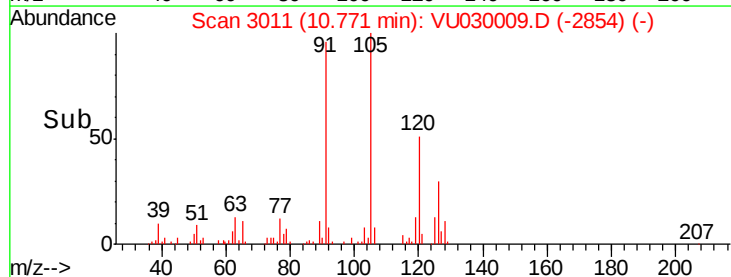
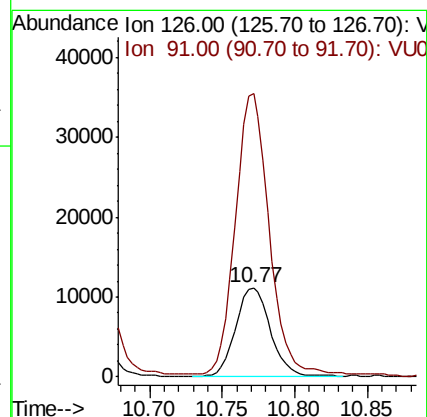
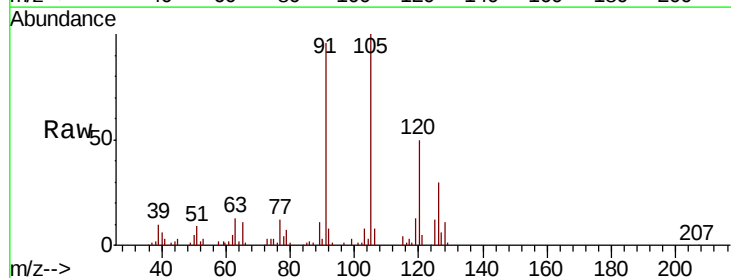
Acq: 12 Mar 2019 16:19

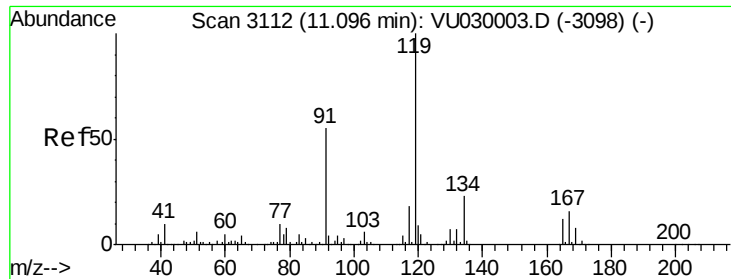
Tgt Ion:126 Resp: 18909

Ion Ratio Lower Upper

126 100

91 298.5 0.0 641.8

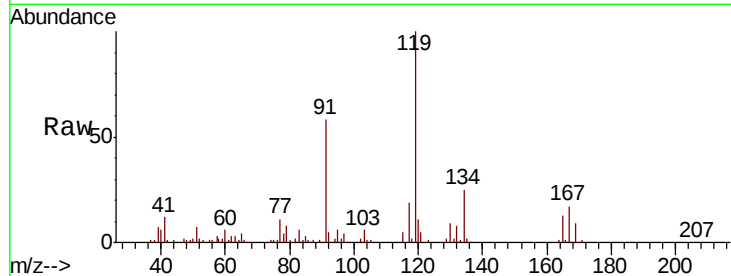




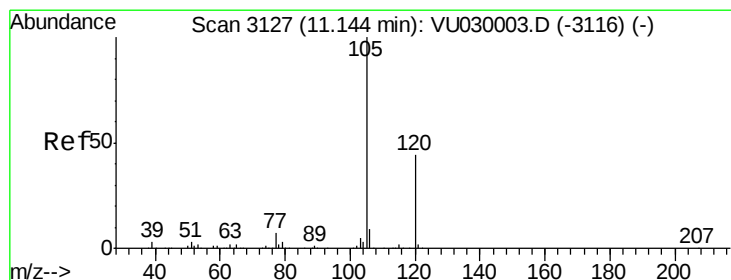
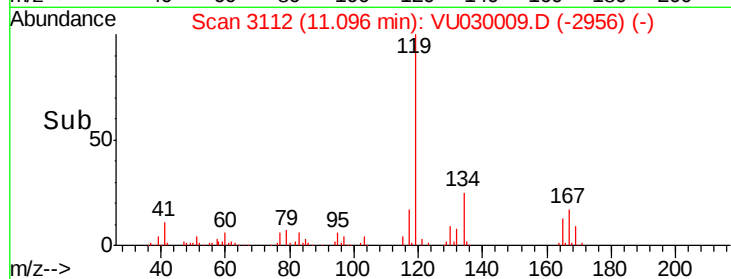
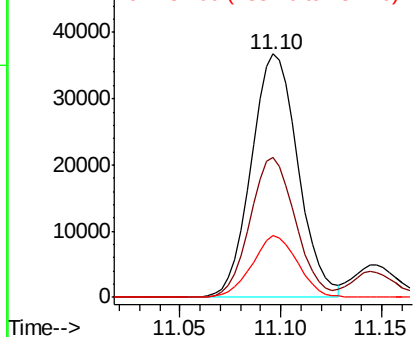
#77
 tert-Butylbenzene
 Concen: 0.956 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tgt Ion:119 Resp: 59464
 Ion Ratio Lower Upper
 119 100
 91 55.8 27.6 82.8
 134 24.8 18.7 28.1

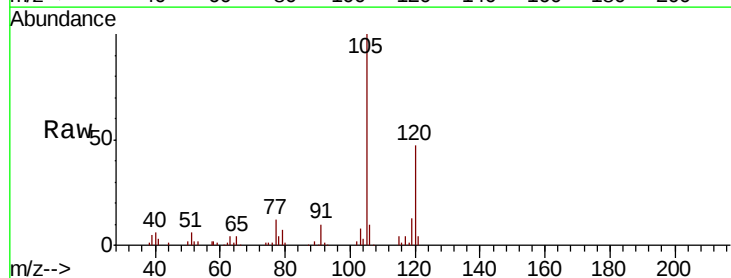


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

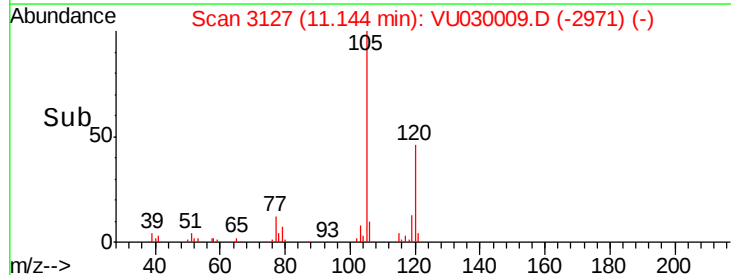
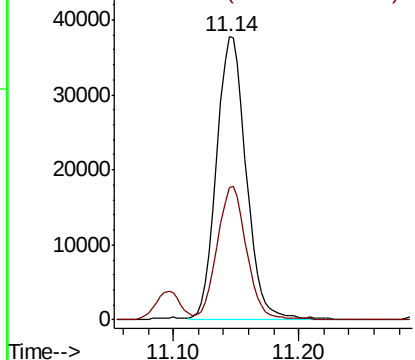


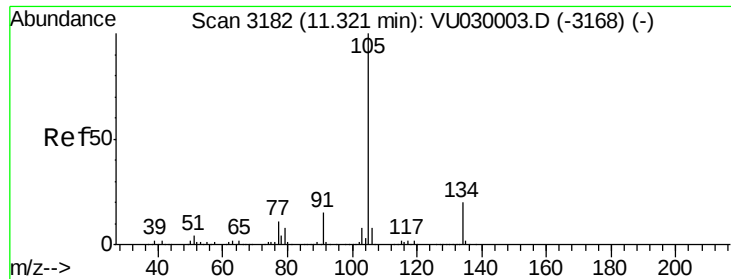
#78
 1,2,4-Trimethylbenzene
 Concen: 0.963 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Tgt Ion:105 Resp: 62257
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.5 70.6



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

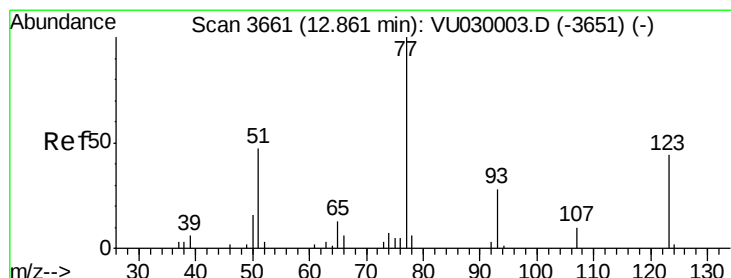
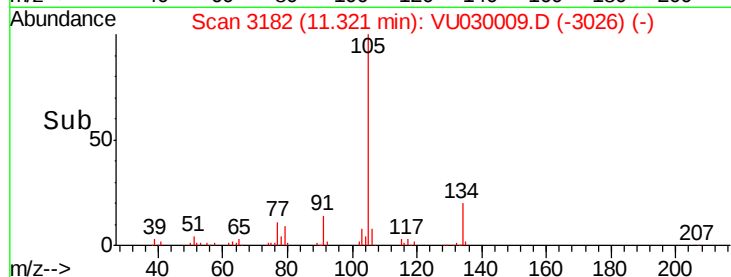
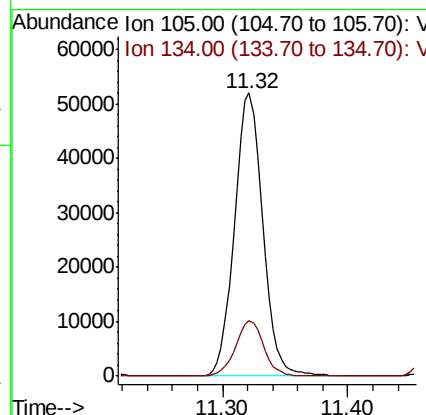
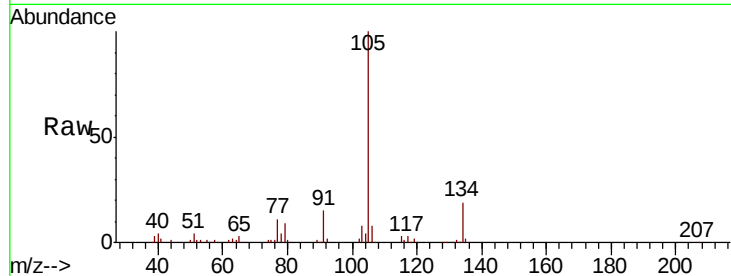




#79
 sec-Butylbenzene
 Concen: 0.978 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

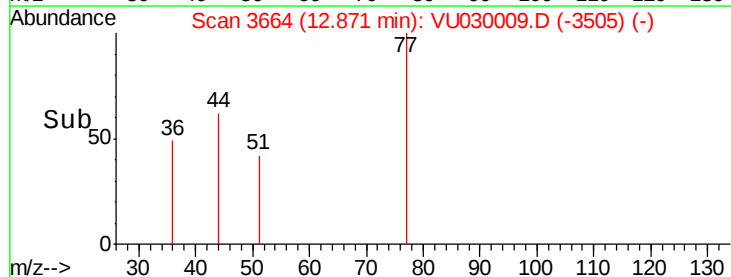
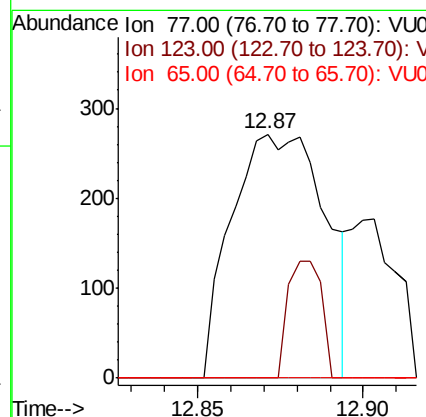
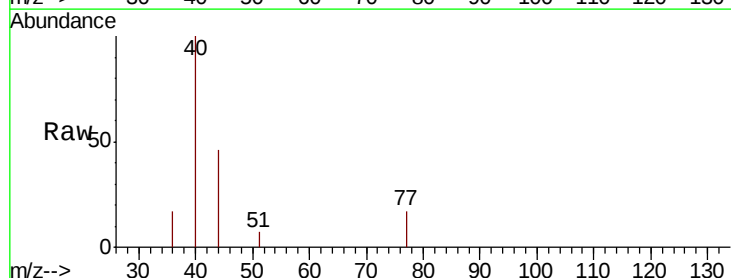
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

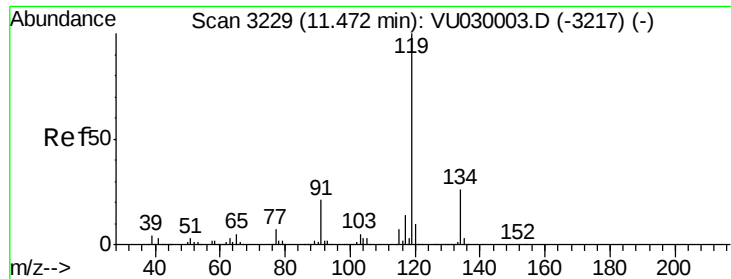
Tgt Ion: 105 Resp: 81470
 Ion Ratio Lower Upper
 105 100
 134 19.5 16.1 24.1



#80
 Nitrobenzene
 Concen: 1.986 ug/l
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.01 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Tgt Ion: 77 Resp: 533
 Ion Ratio Lower Upper
 77 100
 123 17.1 19.9 70.5#
 65 0.0 10.8 13.8#

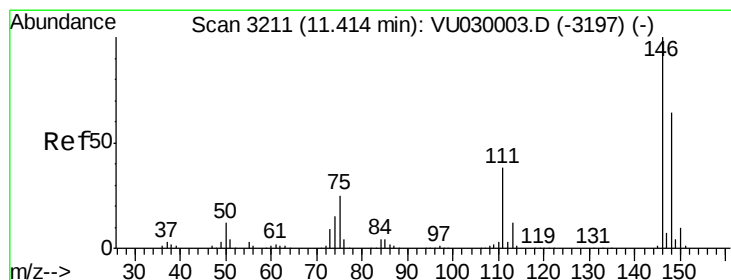
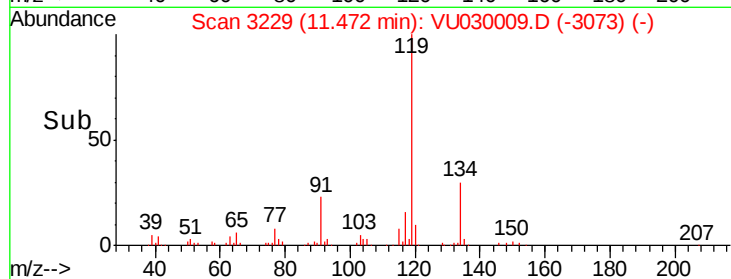
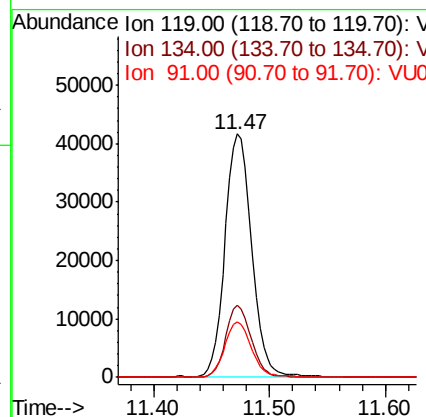
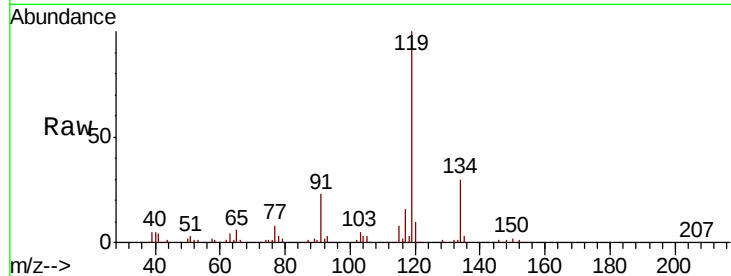




#81
 p-Isopropyltoluene
 Concen: 0.957 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

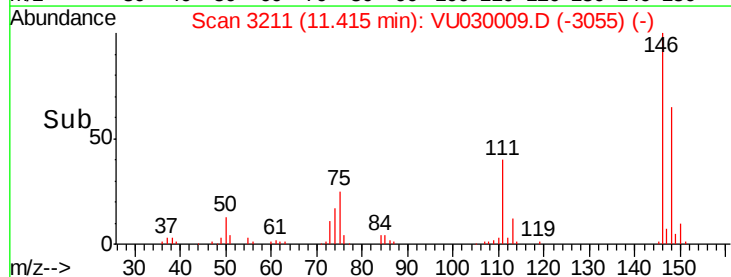
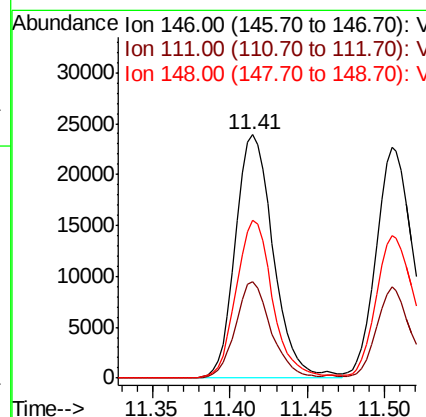
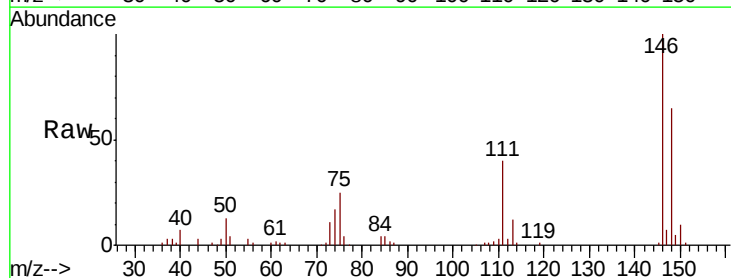
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

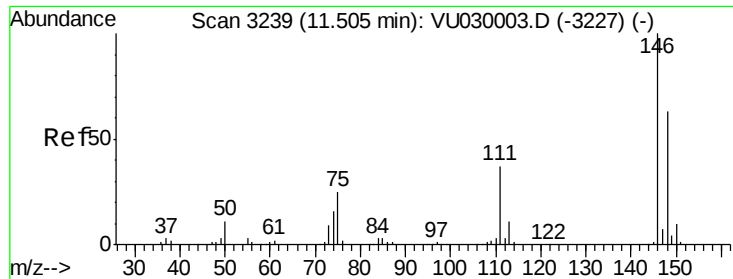
Tgt Ion:119 Resp: 66879
 Ion Ratio Lower Upper
 119 100
 134 28.0 21.2 31.8
 91 22.9 17.0 25.6



#82
 1,3-Dichlorobenzene
 Concen: 1.032 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Tgt Ion:146 Resp: 40757
 Ion Ratio Lower Upper
 146 100
 111 37.2 30.3 45.5
 148 62.2 51.1 76.7

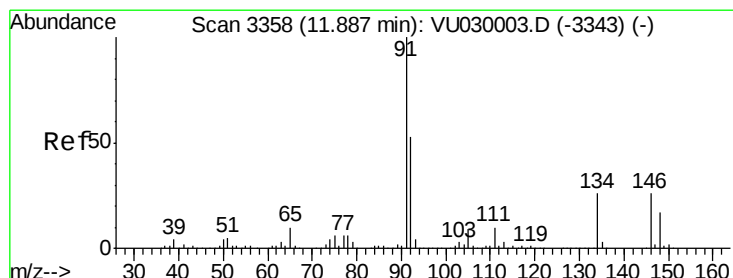
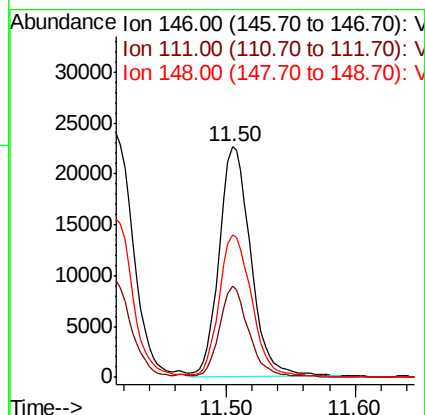
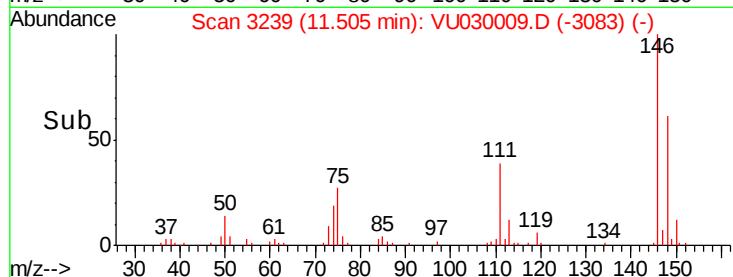
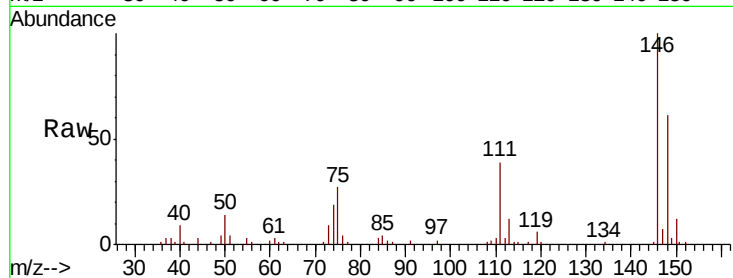




#83
 1,4-Dichlorobenzene
 Concen: 0.964 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

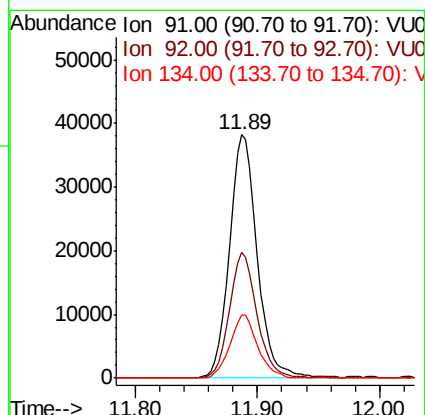
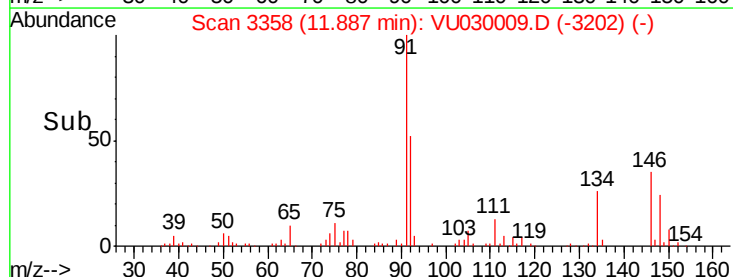
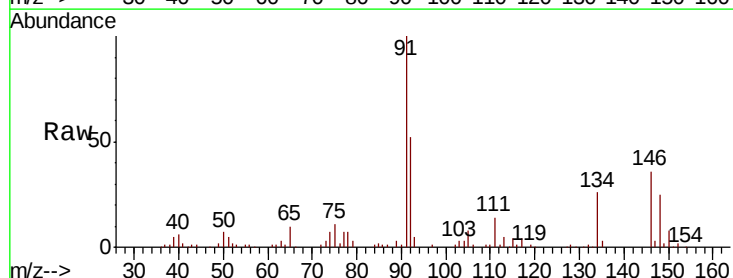
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

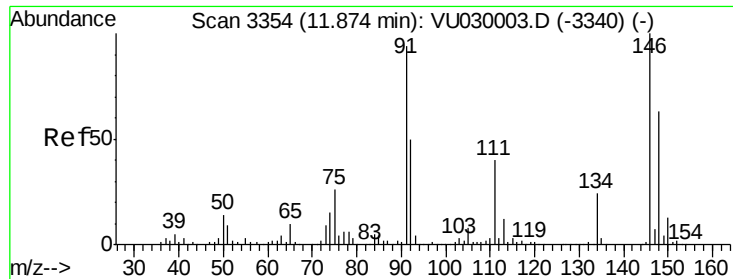
Tgt Ion: 146 Resp: 38303
 Ion Ratio Lower Upper
 146 100
 111 35.4 29.3 43.9
 148 64.8 50.6 76.0



#84
 n-Butylbenzene
 Concen: 0.933 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Tgt Ion: 91 Resp: 60940
 Ion Ratio Lower Upper
 91 100
 92 51.1 42.4 63.6
 134 25.8 21.4 32.0

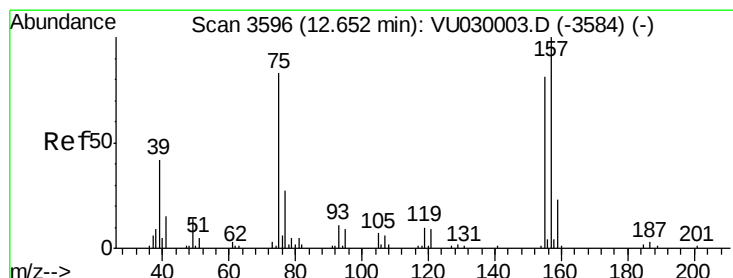
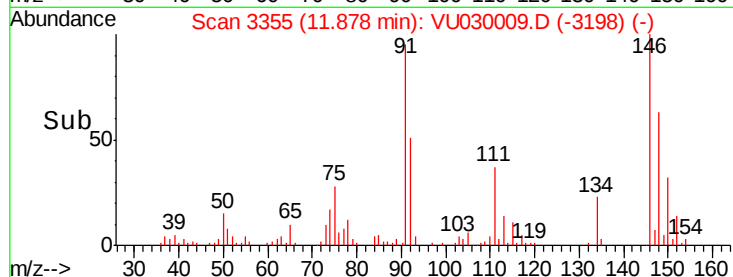
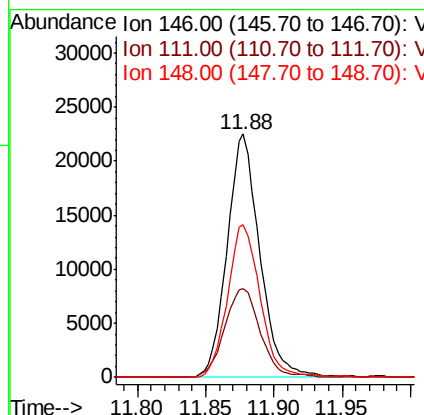
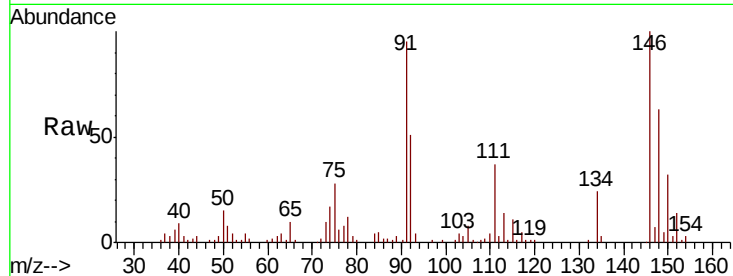




#85
 1,2-Dichlorobenzene
 Concen: 1.016 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

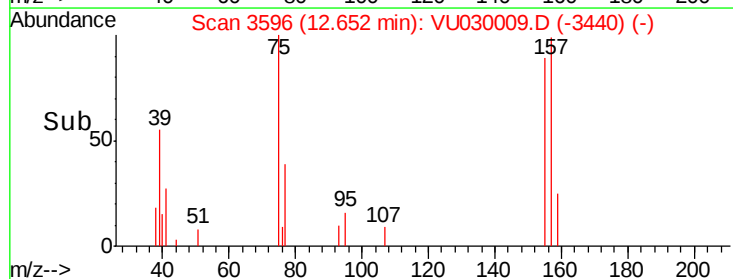
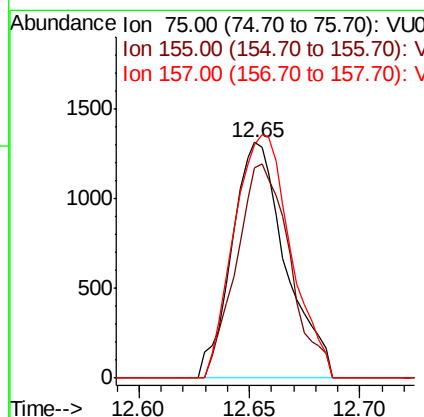
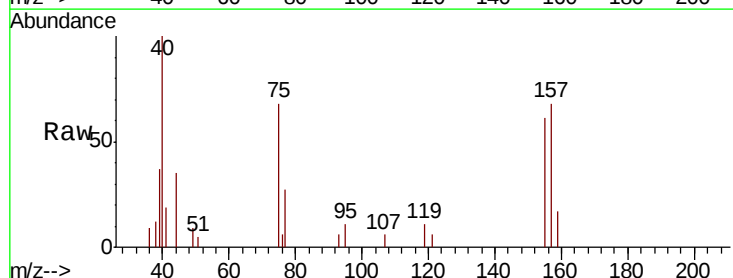
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

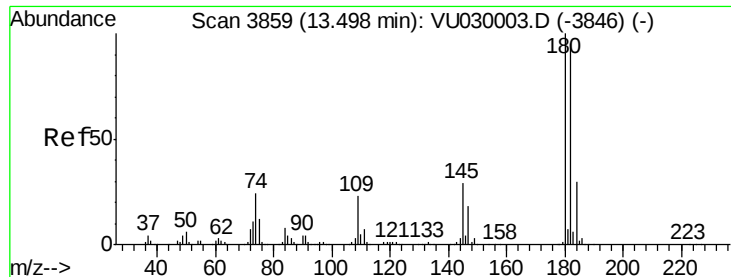
Tgt Ion: 146 Resp: 37365
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.9 59.7
 148 62.9 31.7 95.1



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.031 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030009.D
 Acq: 12 Mar 2019 16:19

Tgt Ion: 75 Resp: 2231
 Ion Ratio Lower Upper
 75 100
 155 89.9 78.2 117.4
 157 108.8 97.2 145.8





#87

1,2,4-Trichlorobenzene

Concen: 0.869 ug/l

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

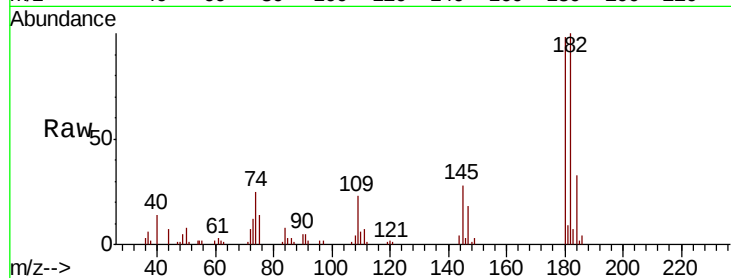
Tgt Ion:180 Resp: 23063

Ion Ratio Lower Upper

180 100

182 99.6 76.2 114.2

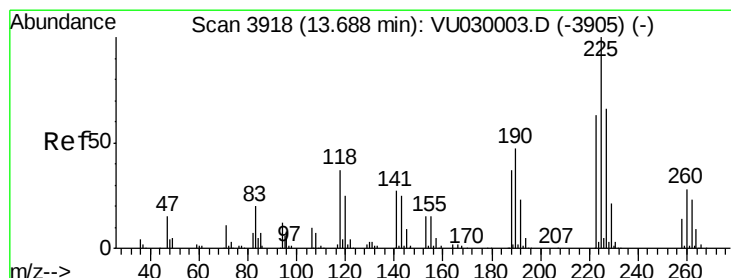
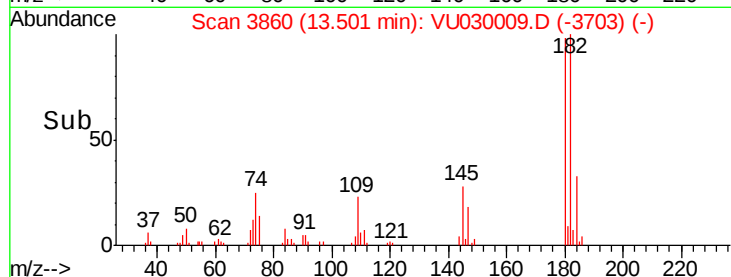
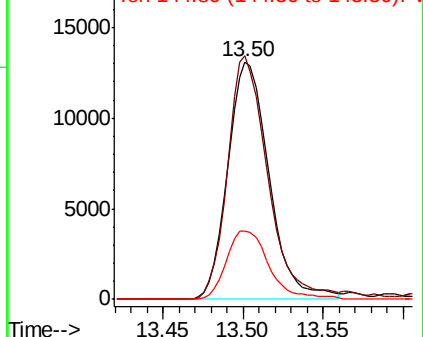
145 29.7 23.0 34.6



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 1.145 ug/l

RT: 13.69 min Scan# 3918

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

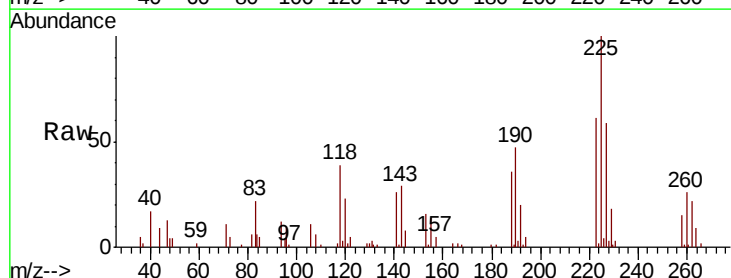
Tgt Ion:225 Resp: 16474

Ion Ratio Lower Upper

225 100

223 59.2 50.7 76.1

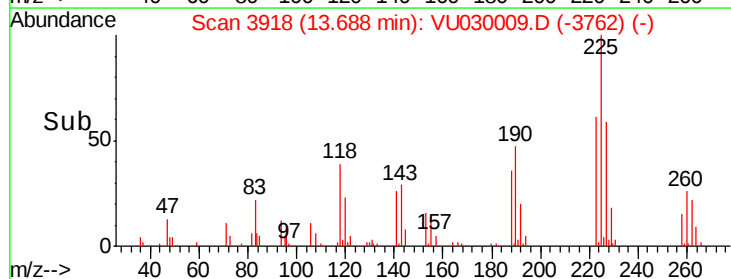
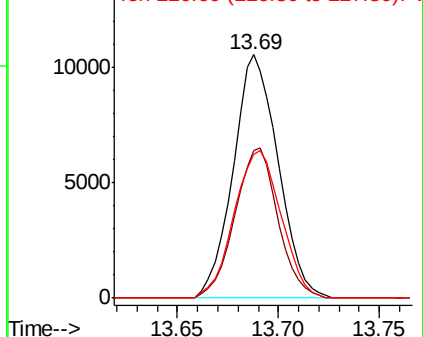
227 63.3 52.6 78.8

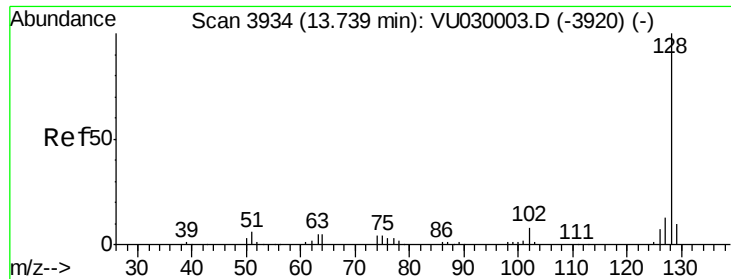


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.854 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT1-2019

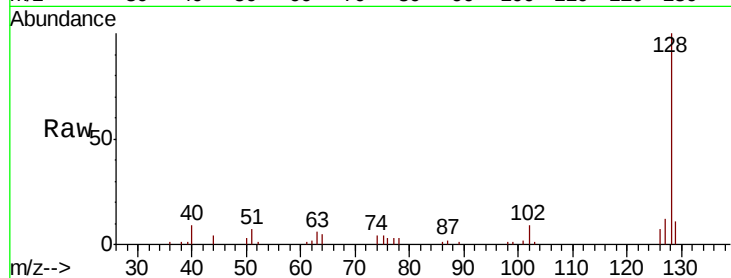
Tgt Ion:128 Resp: 35512

Ion Ratio Lower Upper

128 100

127 11.4 10.1 15.1

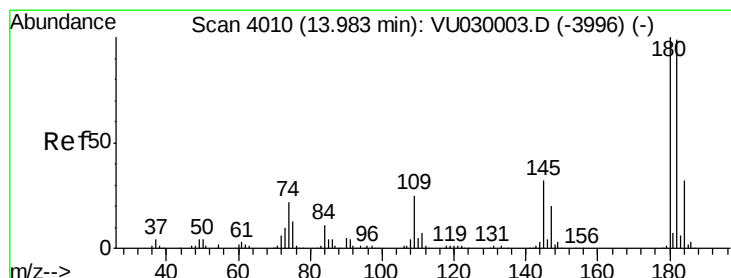
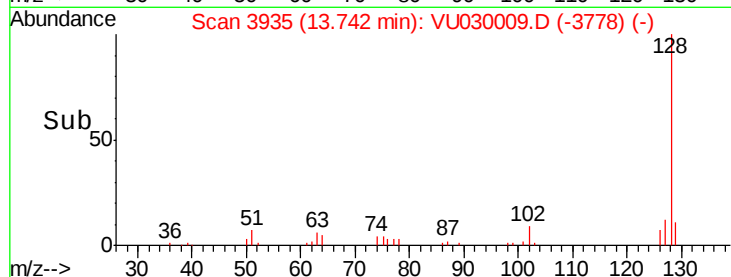
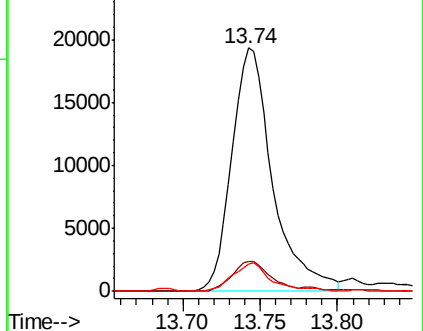
129 10.9 8.5 12.7



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: 0.983 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU030009.D

Acq: 12 Mar 2019 16:19

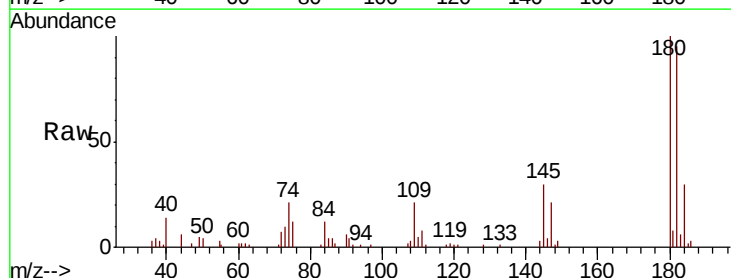
Tgt Ion:180 Resp: 23627

Ion Ratio Lower Upper

180 100

182 93.1 77.6 116.4

145 29.3 24.7 37.1



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

