

Data File : VU025638.D
Acq On : 25 Jul 2018 18:16
Operator : MD/SY
Sample : J3792-08 LOQ 1.00PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT3-2018

Quant Time: Jul 26 02:26:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072518DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 25 12:16:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	35389	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	12824	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	13513	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	10016	0.794 ug/l	92
3) Chloromethane	1.33	50	9844	0.825 ug/l	100
4) Vinyl Chloride	1.40	62	9411	0.852 ug/l	93
5) Bromomethane	1.63	94	4287	0.797 ug/l	98
6) Chloroethane	1.70	64	5884	0.888 ug/l	98
7) Trichlorofluoromethane	1.89	101	14394	0.894 ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	7612	0.861 ug/l	95
9) 1,1-Dichloroethene	2.28	96	7291	0.935 ug/l	90
10) Iodomethane	2.41	142	2901	1.187 ug/l	93
11) Allyl Chloride	2.59	41	11159	0.856 ug/l #	81
12) Acrylonitrile	2.95	53	3279	1.906 ug/l	98
13) Acetone	2.33	43	6630	4.432 ug/l	93
14) Carbon Disulfide	2.48	76	23193	0.869 ug/l	100
15) Methylene Chloride	2.70	84	8388	0.902 ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	7507	0.858 ug/l	98
17) 1,1-Dichloroethane	3.45	63	15484	0.892 ug/l	96
18) 2-Butanone	4.29	43	11825	4.555 ug/l	91
19) Cyclohexane	4.99	56	11564	0.864 ug/l	89
20) Methylcyclohexane	6.41	83	13525	0.824 ug/l	94
21) 2,2-Dichloropropane	4.23	77	15373	0.929 ug/l	94
22) cis-1,2-Dichloroethene	4.23	96	9507	0.863 ug/l	93
23) Diethyl Ether	2.11	59	5489	0.929 ug/l	97
24) tert-Butyl Alcohol	2.85	59	6497	9.360 ug/l #	73
25) Methyl tert-Butyl Ether	3.01	73	18447	0.874 ug/l #	91
26) Bromochloromethane	4.55	128	4276	0.882 ug/l	75
27) Chloroform	4.68	83	17091	0.896 ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	14632	0.851 ug/l	99
29) 1,1-Dichloropropene	5.14	75	11977	0.849 ug/l	96
30) Carbon Tetrachloride	5.13	117	13089	0.838 ug/l	97
31) Isopropyl Ether	3.59	45	25446	0.915 ug/l	91
32) Ethyl-t-butyl ether	4.09	59	22054	0.835 ug/l	92
33) Tert-Amyl methyl ether	5.59	73	18949	0.812 ug/l #	92
34) Propionitrile	4.36	54	3173	4.399 ug/l #	72
35) Benzene	5.39	78	33453	0.848 ug/l	99
36) 1,2-Dichloroethane	5.41	62	10606	0.876 ug/l #	92
37) Trichloroethene	6.19	130	9704	0.836 ug/l	99
38) 1,2-Dichloropropane	6.44	63	9016	0.881 ug/l	91
39) Methacrylonitrile	4.56	41	2883	0.868 ug/l	93
40) Methyl acrylate	4.44	55	4312	0.861 ug/l #	93
41) Tetrahydrofuran	4.67	42	3182	1.622 ug/l	95
42) 1-Chlorobutane	5.07	56	16658	0.867 ug/l	99

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LOQ-WATER-02-QT3-2018

Quant Time: Jul 26 02:26:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072518DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 25 12:16:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.57	93	4697	0.880	ug/l	98
44) Bromodichloromethane	6.76	83	11497	0.850	ug/l #	94
45) 4-Methyl-2-Pentanone	7.47	43	25092	4.213	ug/l	98
46) t-1,4-Dichloro-2-butene	10.50	75	8754	4.696	ug/l #	38
47) Methyl methacrylate	6.63	69	7183	1.608	ug/l #	93
48) Ethyl methacrylate	8.03	69	6757	0.753	ug/l	87
49) Toluene	7.64	92	19814	0.822	ug/l	99
50) t-1,3-Dichloropropene	7.89	75	9661	0.791	ug/l	95
51) cis-1,3-Dichloropropene	7.27	75	12222	0.835	ug/l #	87
52) 1,1,2-Trichloroethane	8.07	97	6393	0.893	ug/l	93
53) 1,3-Dichloropropane	8.25	76	10490	0.868	ug/l	100
54) 2-Hexanone	8.37	43	17090	4.063	ug/l	98
55) Dibromochloromethane	8.48	129	6909	0.759	ug/l	95
56) 1,2-Dibromoethane	8.59	107	6248	0.902	ug/l	90
58) Tetrachloroethene	8.23	164	9542	0.914	ug/l	98
59) Chlorobenzene	9.12	112	22886	0.826	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	8239	0.801	ug/l	98
61) Pentachloroethane	11.10	117	6327	0.806	ug/l	98
62) Hexachloroethane	12.15	117	6105	0.761	ug/l	97
63) Ethyl Benzene	9.25	91	37253	0.808	ug/l	97
64) m/p-Xylenes	9.38	106	28817	1.591	ug/l	98
65) o-Xylene	9.78	106	13923	0.806	ug/l	99
66) Styrene	9.80	104	22295	0.760	ug/l	99
67) Bromoform	9.96	173	3914	0.729	ug/l #	95
69) Isopropylbenzene	10.17	105	37123	0.796	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	7469	0.830	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	8754	1.249	ug/l #	79
72) Bromobenzene	10.45	156	10274	0.848	ug/l	90
73) n-propylbenzene	10.59	120	10679	0.812	ug/l	90
74) 2-Chlorotoluene	10.66	126	9422	0.814	ug/l	92
75) 1,3,5-Trimethylbenzene	10.78	105	30493	0.749	ug/l	96
76) 4-Chlorotoluene	10.78	126	9266	0.762	ug/l	97
77) tert-Butylbenzene	11.10	119	32007	0.797	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	31396	0.755	ug/l	99
79) sec-Butylbenzene	11.33	105	41235	0.781	ug/l	99
80) Nitrobenzene	12.87	77	921	3.363	ug/l #	77
81) p-Isopropyltoluene	11.48	119	34156	0.763	ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	20648	0.829	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	20893	0.860	ug/l	100
84) n-Butylbenzene	11.89	91	33678	0.802	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	18477	0.812	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1287	0.867	ug/l	94
87) 1,2,4-Trichlorobenzene	13.51	180	13353	0.843	ug/l	98
88) Hexachlorobutadiene	13.70	225	8195	0.842	ug/l	97
89) Naphthalene	13.75	128	19856	0.772	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	11380	0.786	ug/l	96

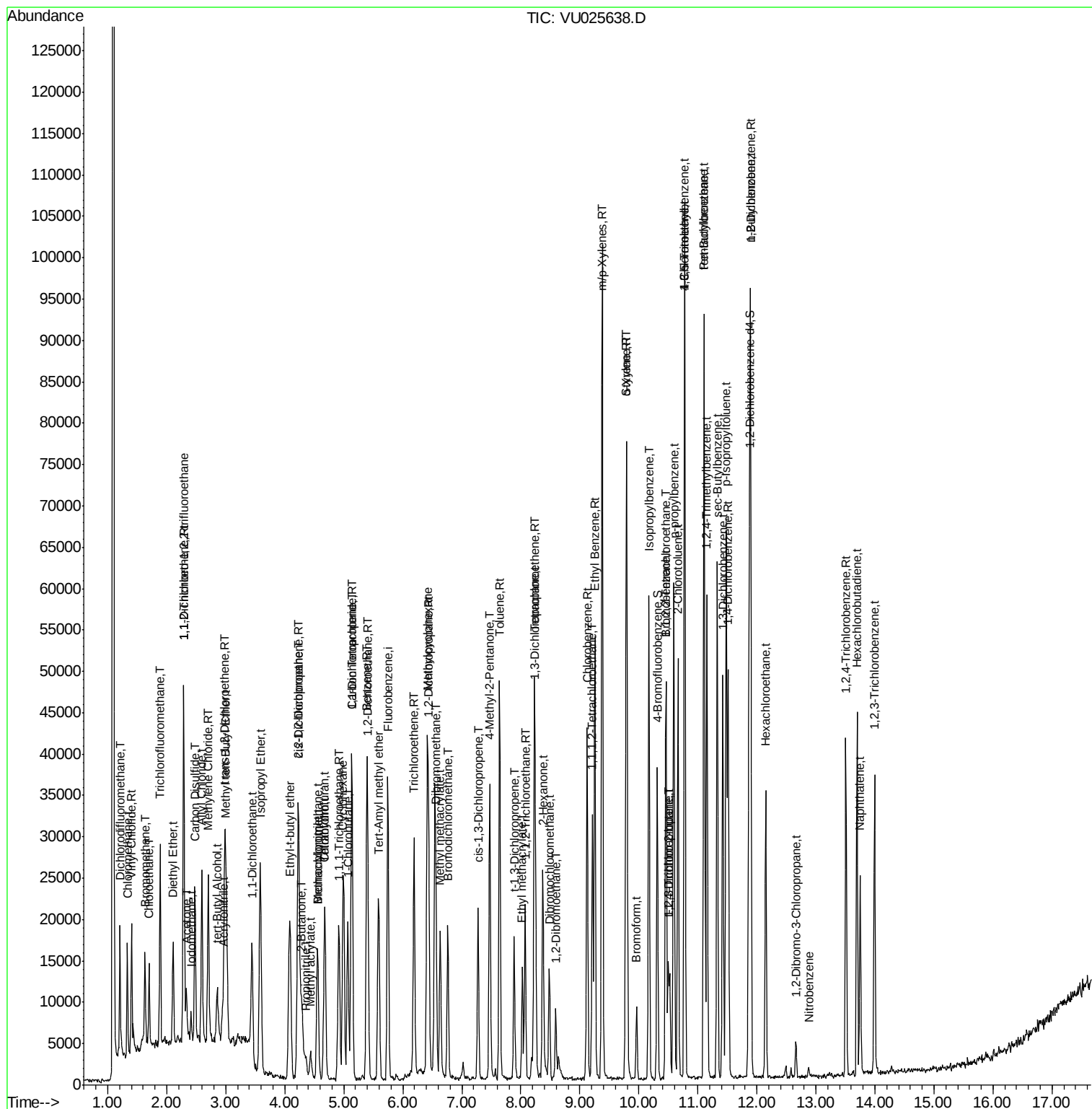
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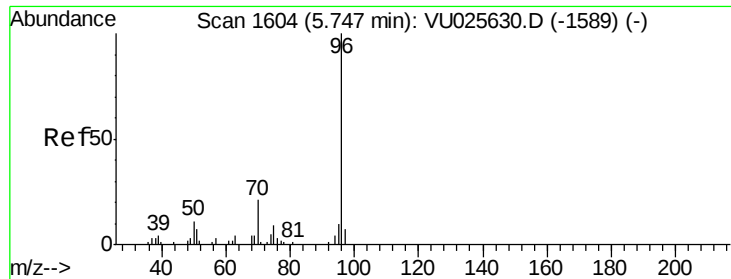
Data File : VU025638.D

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LOO-WATER-02-OT3-2018

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VU025638.D

Acq: 25 Jul 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tgt Ion: 96 Resp: 35389

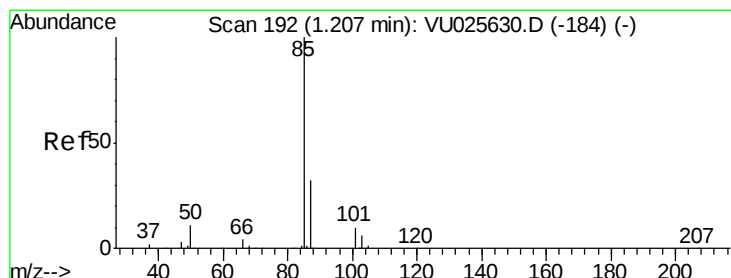
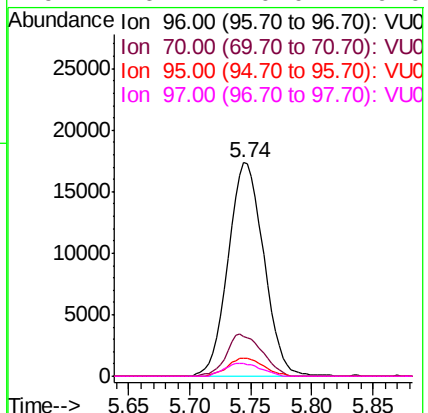
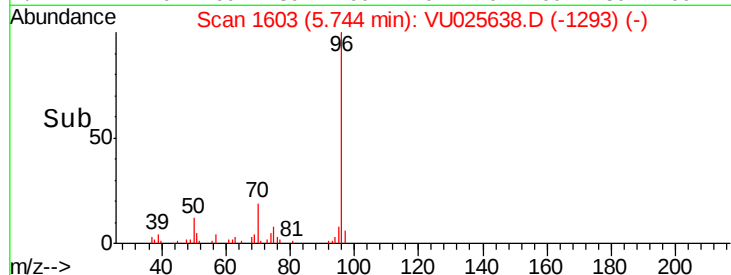
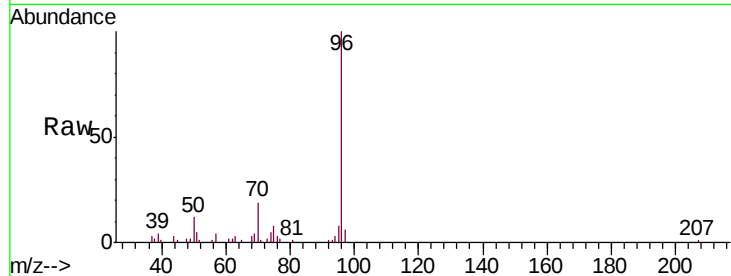
Ion Ratio Lower Upper

96 100

70 19.7 16.2 24.4

95 8.4 6.9 10.3

97 6.2 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.794 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025638.D

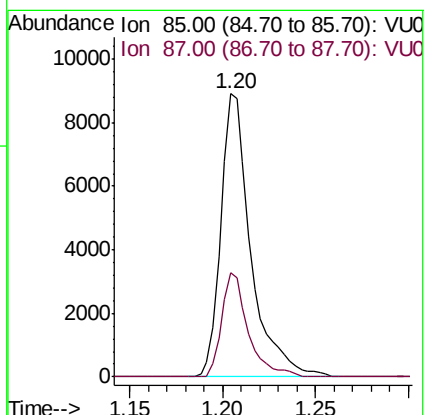
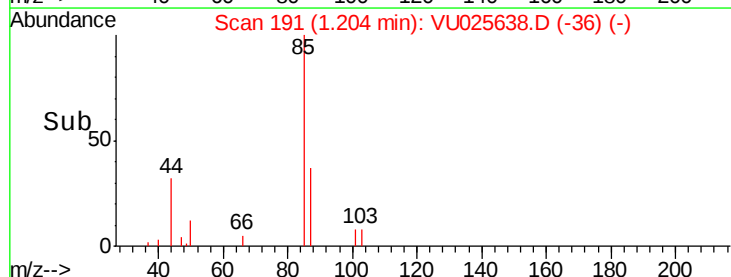
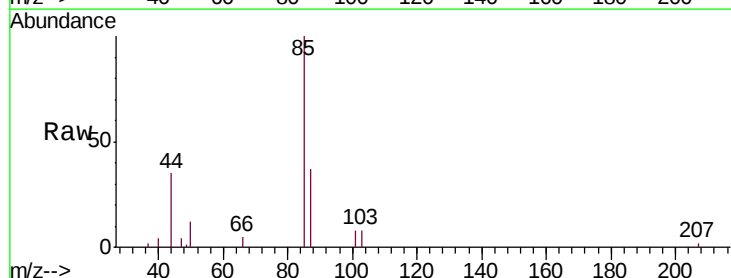
Acq: 25 Jul 2018 18:16

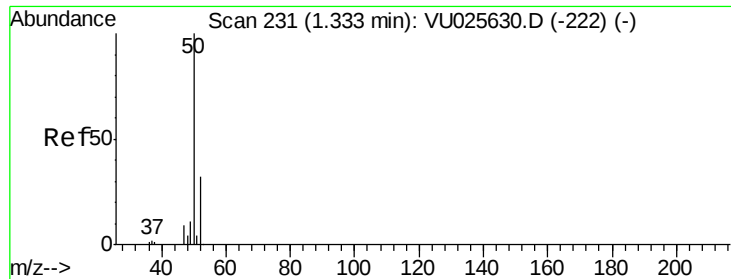
Tgt Ion: 85 Resp: 10016

Ion Ratio Lower Upper

85 100

87 36.9 16.2 48.5





#3

Chloromethane

Concen: 0.825 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025638.D

Acq: 25 Jul 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

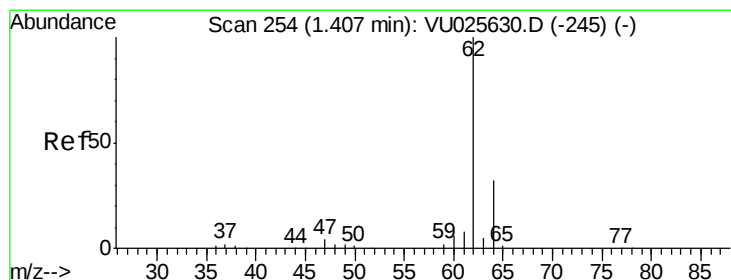
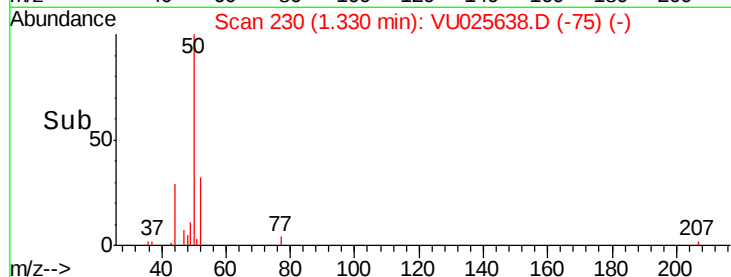
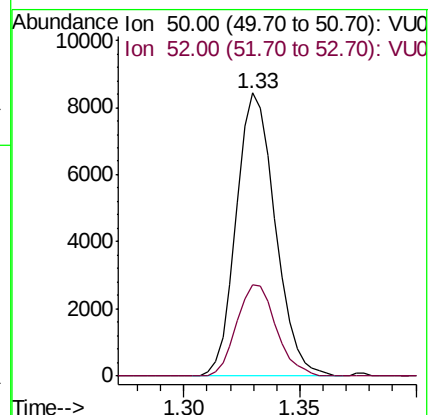
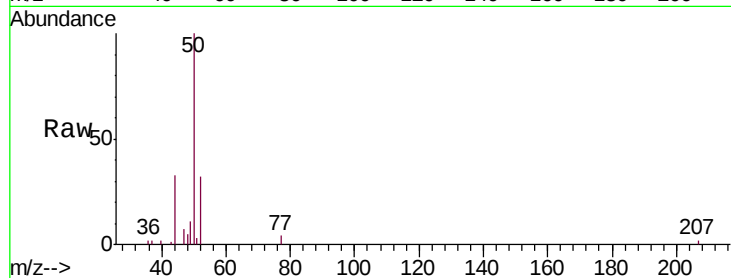
LOQ-WATER-02-QT3-2018

Tgt Ion: 50 Resp: 9844

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



#4

Vinyl Chloride

Concen: 0.852 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025638.D

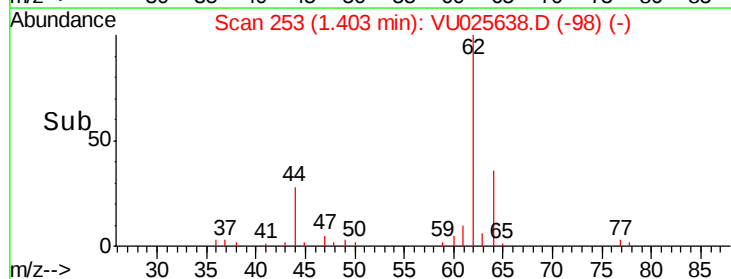
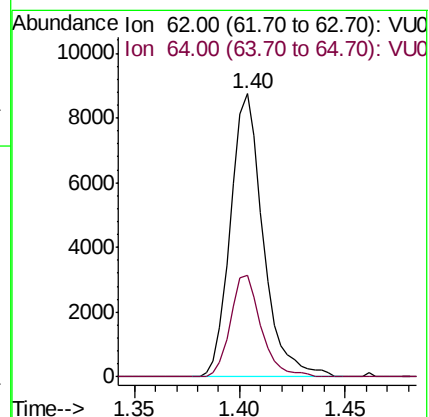
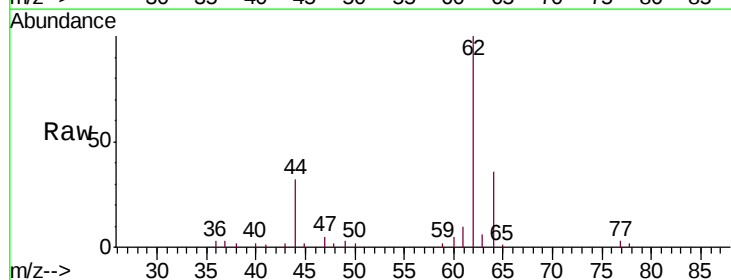
Acq: 25 Jul 2018 18:16

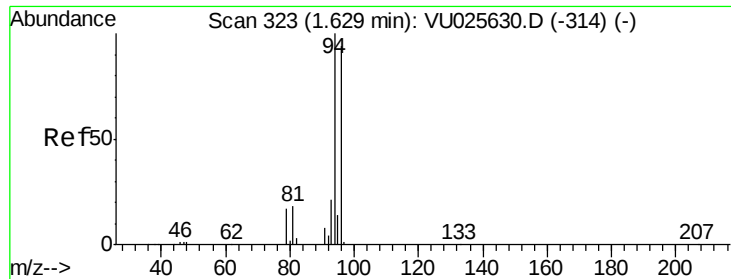
Tgt Ion: 62 Resp: 9411

Ion Ratio Lower Upper

62 100

64 36.0 25.8 38.8





#5

Bromomethane

Concen: 0.797 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU025638.D

Acq: 25 Jul 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

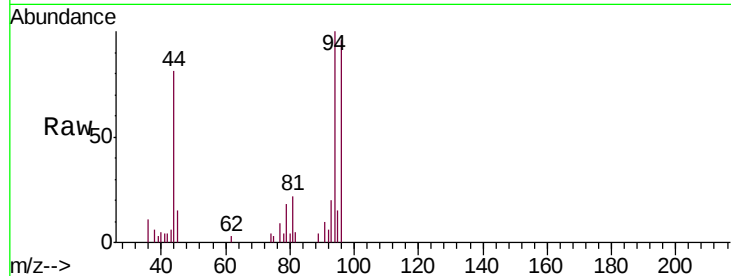
LOQ-WATER-02-QT3-2018

Tgt Ion: 94 Resp: 4287

Ion Ratio Lower Upper

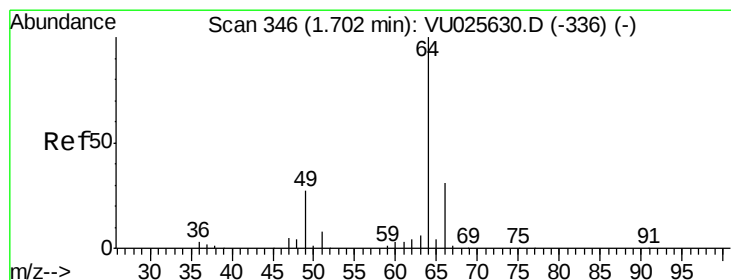
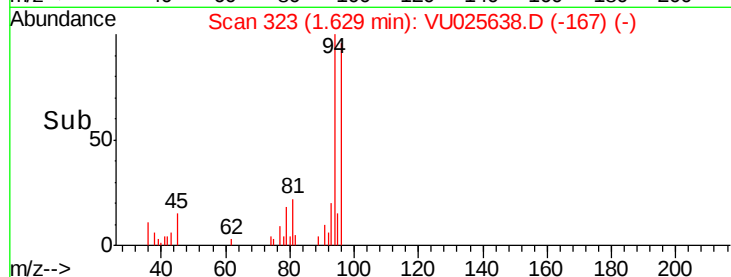
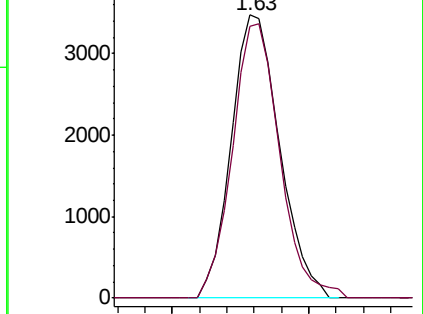
94 100

96 96.3 75.1 112.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.888 ug/l

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU025638.D

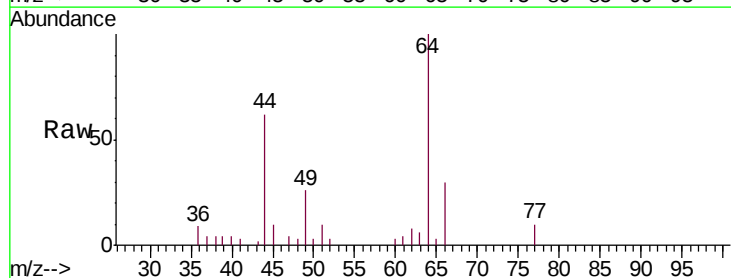
Acq: 25 Jul 2018 18:16

Tgt Ion: 64 Resp: 5884

Ion Ratio Lower Upper

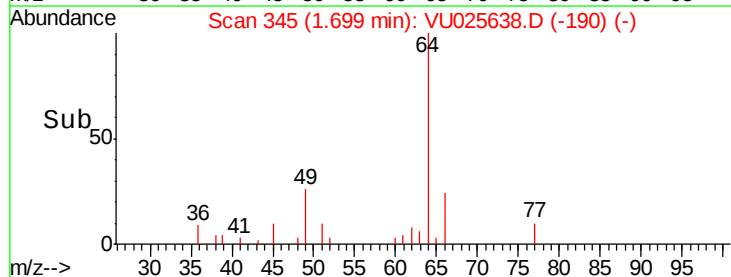
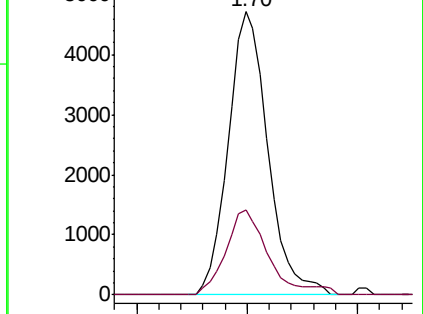
64 100

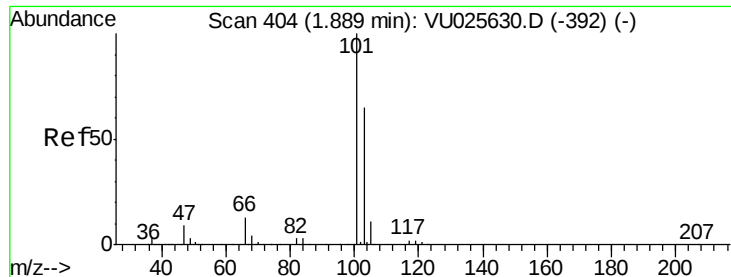
66 29.9 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



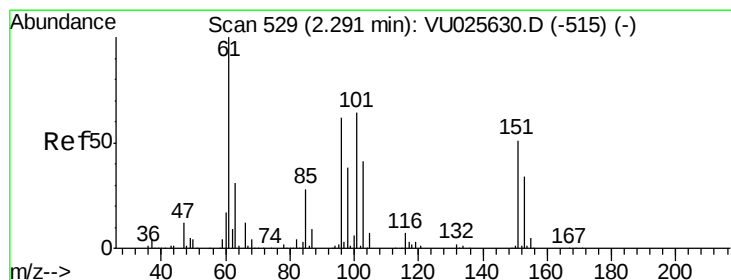
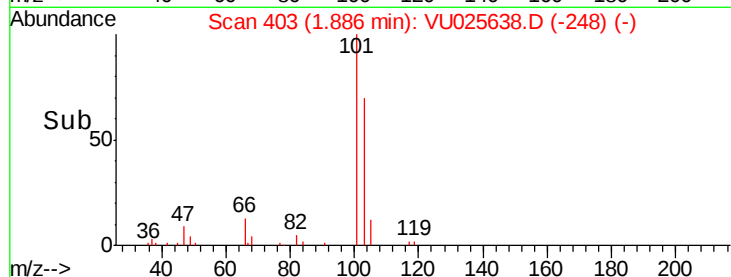
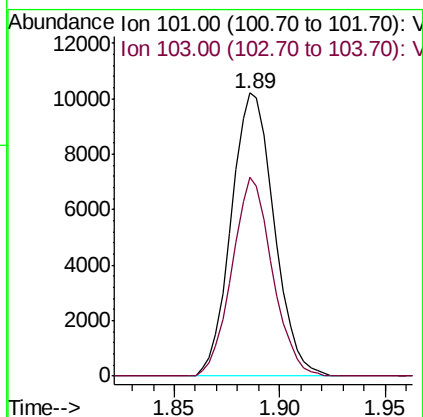
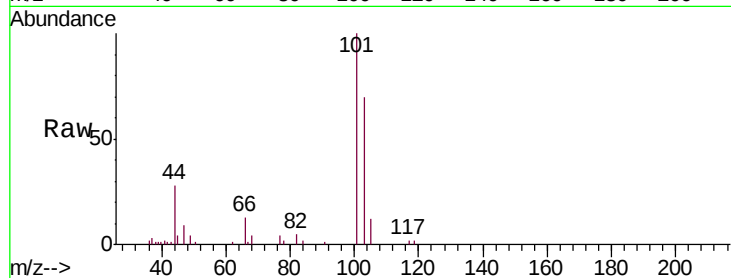


#7

Trichlorofluoromethane
 Concen: 0.894 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU025638.D
 Acq: 25 Jul 2018 18:16

Instrument :
 MSVOA_U
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 LOQ-WATER-02-QT3-2018

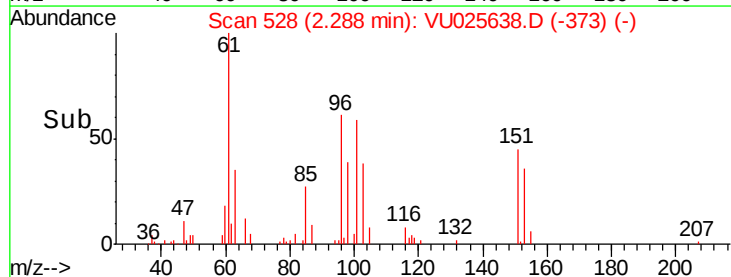
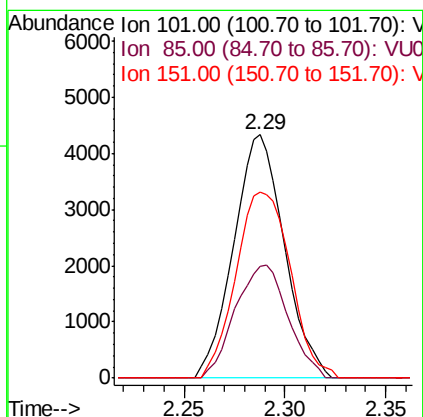
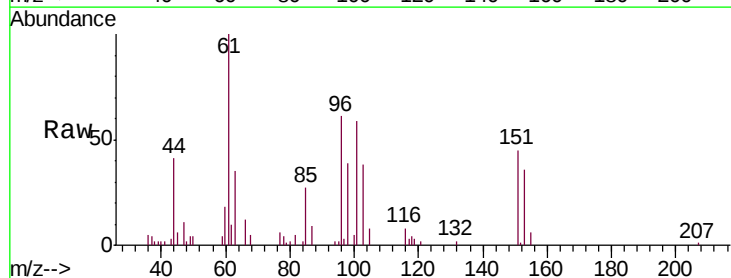
Tgt Ion:101 Resp: 14394
 Ion Ratio Lower Upper
 101 100
 103 70.1 51.4 77.0

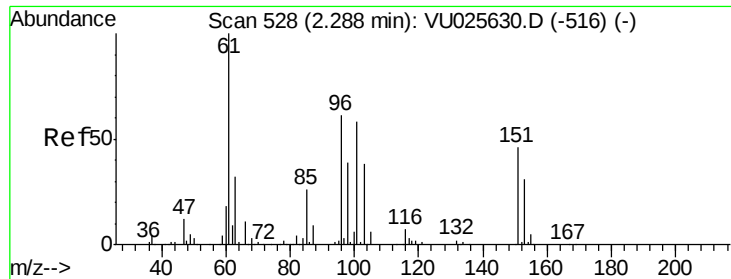


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.861 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VU025638.D
 Acq: 25 Jul 2018 18:16

Tgt Ion:101 Resp: 7612
 Ion Ratio Lower Upper
 101 100
 85 48.4 35.2 52.8
 151 82.3 63.5 95.3





#9

1,1-Dichloroethene

Concen: 0.935 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025638.D

Acq: 25 Jul 2018 18:16

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT3-2018

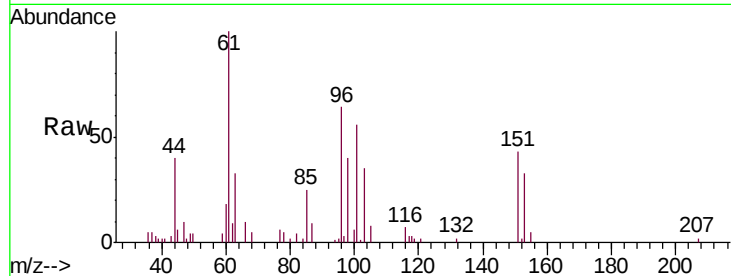
Tgt Ion: 96 Resp: 7291

Ion Ratio Lower Upper

96 100

61 156.5 0.0 526.5

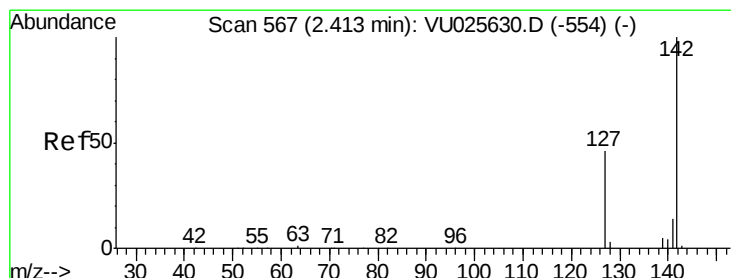
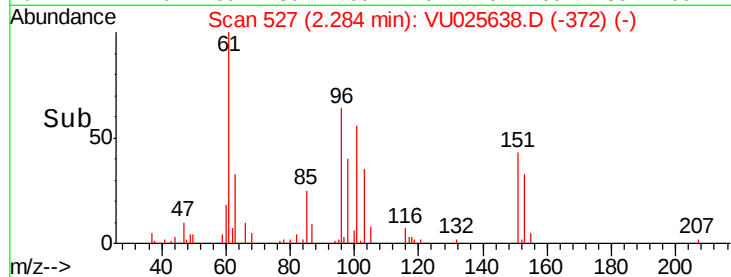
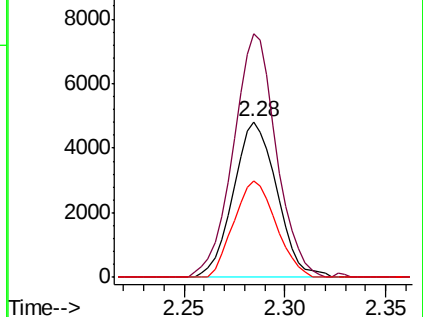
98 61.8 0.0 123.4



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 1.187 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025638.D

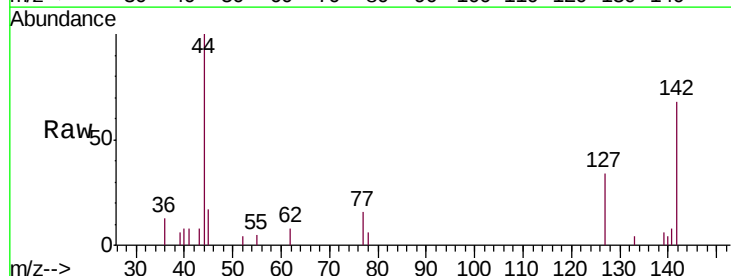
Acq: 25 Jul 2018 18:16

Tgt Ion: 142 Resp: 2901

Ion Ratio Lower Upper

142 100

127 47.6 34.5 51.7



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

