

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
 Data File : VU028339.D
 Acq On : 26 Nov 2018 15:21
 Operator : MD/SY
 Sample : J5164-08 1.0ppb
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Quant Time: Nov 27 01:11:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	48301	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	17090	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	15496	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	17877	1.029 ug/l	93
3) Chloromethane	1.32	50	27494	0.930 ug/l	97
4) Vinyl Chloride	1.40	62	21050	1.040 ug/l	97
5) Bromomethane	1.63	94	6974	0.875 ug/l	92
6) Chloroethane	1.70	64	11849	1.003 ug/l	98
7) Trichlorofluoromethane	1.89	101	22557	1.020 ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	13691	1.077 ug/l	98
9) 1,1-Dichloroethene	2.29	96	11698	0.995 ug/l	97
10) Iodomethane	2.41	142	8370	1.052 ug/l	98
11) Allyl Chloride	2.59	41	30780	1.037 ug/l	97
12) Acrylonitrile	2.94	53	7873	2.102 ug/l	92
13) Acetone	2.33	43	17940	5.168 ug/l	99
14) Carbon Disulfide	2.48	76	45887	1.027 ug/l	100
15) Methylene Chloride	2.70	84	14949	1.042 ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	12814	0.974 ug/l	96
17) 1,1-Dichloroethane	3.44	63	30139	1.027 ug/l	97
18) 2-Butanone	4.29	43	24918	4.804 ug/l	98
19) Cyclohexane	4.99	56	25294	0.993 ug/l	98
20) Methylcyclohexane	6.41	83	24439	0.980 ug/l	97
21) 2,2-Dichloropropane	4.23	77	23102	0.981 ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	15385	0.999 ug/l	93
23) Diethyl Ether	2.11	59	12370	1.049 ug/l	94
24) tert-Butyl Alcohol	2.86	59	12088	10.216 ug/l	98
25) Methyl tert-Butyl Ether	3.01	73	36366	1.041 ug/l	97
26) Bromochloromethane	4.55	128	5773	0.983 ug/l	90
27) Chloroform	4.67	83	30342	1.072 ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	21787	0.986 ug/l	97
29) 1,1-Dichloropropene	5.13	75	21083	0.995 ug/l	99
30) Carbon Tetrachloride	5.13	117	17801	0.998 ug/l	89
31) Isopropyl Ether	3.58	45	53255	1.014 ug/l	96
32) Ethyl-t-butyl ether	4.08	59	43150	0.997 ug/l	100
33) Tert-Amyl methyl ether	5.58	73	35299	0.983 ug/l #	97
34) Propionitrile	4.35	54	6559	5.034 ug/l #	62
35) Benzene	5.39	78	62677	1.004 ug/l	98
36) 1,2-Dichloroethane	5.41	62	19042	1.020 ug/l #	91
37) Trichloroethene	6.18	130	13749	1.012 ug/l	98
38) 1,2-Dichloropropane	6.43	63	18892	1.062 ug/l	96
39) Methacrylonitrile	4.56	41	7141	1.023 ug/l #	92
40) Methyl acrylate	4.43	55	9543	0.994 ug/l #	95
41) Tetrahydrofuran	4.66	42	6469	1.844 ug/l	96
42) 1-Chlorobutane	5.06	56	34151	1.014 ug/l	99

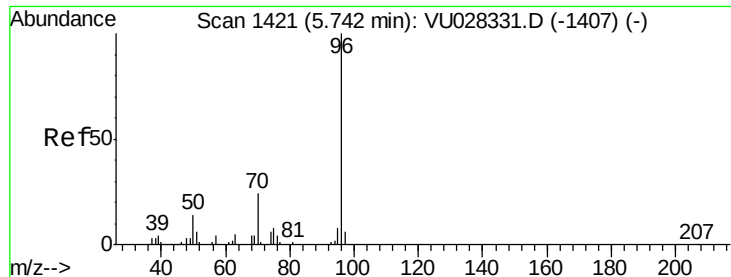
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U0112618\
 Data File : VU028339.D
 Acq On : 26 Nov 2018 15:21
 Operator : MD/SY
 Sample : J5164-08 1.0ppb
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Quant Time: Nov 27 01:11:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	7654	1.010	ug/l	95
44) Bromodichloromethane	6.76	83	20552	1.027	ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	58748	4.828	ug/l	99
46) t-1,4-Dichloro-2-butene	10.49	75	9802	2.202	ug/l #	90
47) Methyl methacrylate	6.63	69	14854	1.921	ug/l	98
48) Ethyl methacrylate	8.02	69	14344	0.927	ug/l	95
49) Toluene	7.64	92	33634	0.971	ug/l	96
50) t-1,3-Dichloropropene	7.88	75	17540	0.913	ug/l	95
51) cis-1,3-Dichloropropene	7.27	75	23342	0.984	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	10186	0.958	ug/l	97
53) 1,3-Dichloropropane	8.24	76	19752	0.994	ug/l	96
54) 2-Hexanone	8.37	43	40805	4.662	ug/l	99
55) Dibromochloromethane	8.48	129	10854	0.959	ug/l	93
56) 1,2-Dibromoethane	8.58	107	9352	0.965	ug/l	100
58) Tetrachloroethene	8.22	164	13396	1.076	ug/l	95
59) Chlorobenzene	9.12	112	34594	0.959	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.21	131	11377	0.931	ug/l	96
61) Pentachloroethane	11.10	117	9258	0.974	ug/l	99
62) Hexachloroethane	12.14	117	7413	0.832	ug/l	99
63) Ethyl Benzene	9.25	91	65105	0.978	ug/l	99
64) m/p-Xylenes	9.38	106	45481	1.889	ug/l	100
65) o-Xylene	9.78	106	22928	0.987	ug/l	100
66) Styrene	9.79	104	37962	0.952	ug/l	99
67) Bromoform	9.96	173	5476	0.864	ug/l	96
69) Isopropylbenzene	10.16	105	58680	0.943	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	14107	0.989	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	9802	0.986	ug/l #	93
72) Bromobenzene	10.45	156	13591	0.984	ug/l	99
73) n-propylbenzene	10.58	120	16557	1.026	ug/l	89
74) 2-Chlorotoluene	10.66	126	13895	0.983	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	49449	0.944	ug/l	98
76) 4-Chlorotoluene	10.77	126	14083	0.982	ug/l	99
77) tert-Butylbenzene	11.10	119	45969	0.932	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	50419	0.940	ug/l	96
79) sec-Butylbenzene	11.32	105	67121	0.977	ug/l	97
80) Nitrobenzene	12.87	77	2430	3.781	ug/l #	93
81) p-Isopropyltoluene	11.47	119	51510	0.943	ug/l	98
82) 1,3-Dichlorobenzene	11.41	146	27708	1.002	ug/l	95
83) 1,4-Dichlorobenzene	11.51	146	26908	0.977	ug/l	98
84) n-Butylbenzene	11.89	91	55387	0.966	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	26630	1.011	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2144	0.934	ug/l	91
87) 1,2,4-Trichlorobenzene	13.50	180	17102	0.924	ug/l	99
88) Hexachlorobutadiene	13.69	225	9692	0.968	ug/l	98
89) Naphthalene	13.74	128	31647	0.865	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	16834	0.964	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1421

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

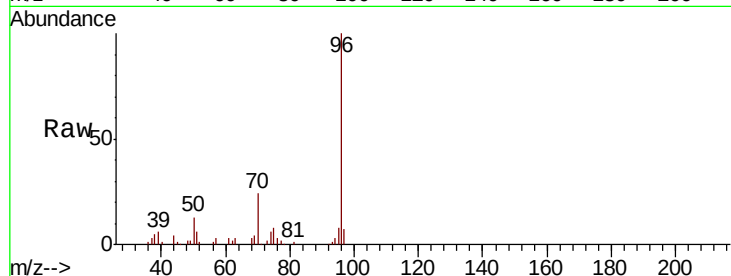
Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	96	Resp:	48301
Ion	Ratio	Lower	Upper
96	100		
70	23.3	17.8	26.8
95	8.3	7.6	11.4
97	7.4	0.0	0.0#

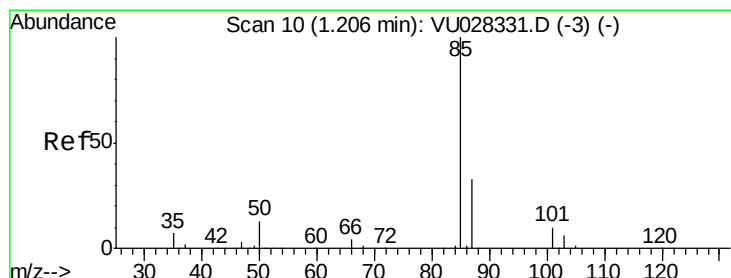
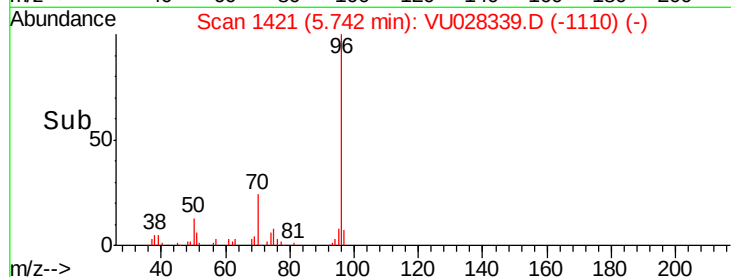
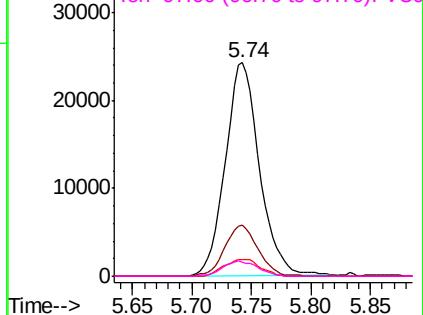


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 1.029 ug/l

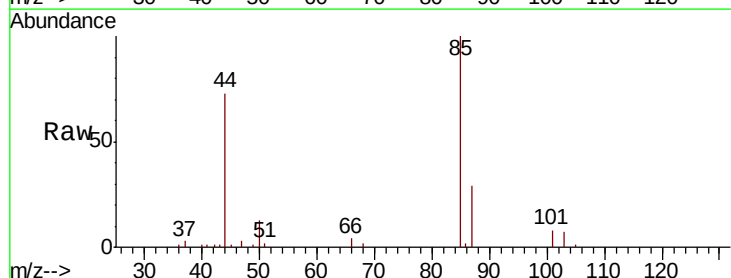
RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028339.D

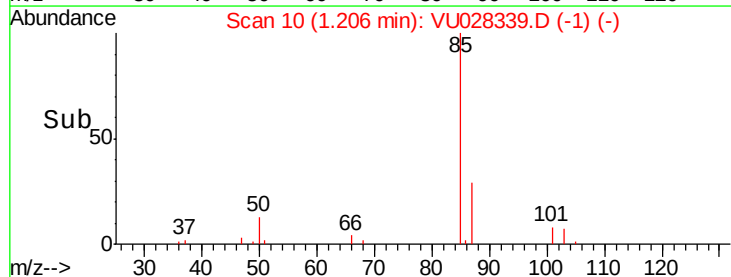
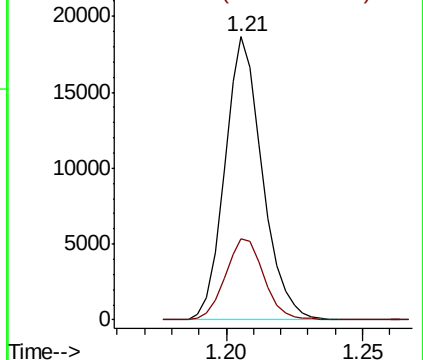
Acq: 26 Nov 2018 15:21

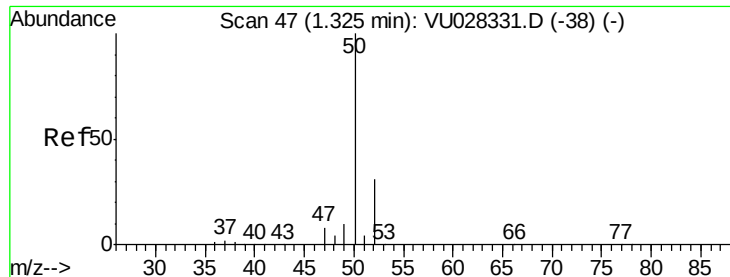
Tgt Ion:	85	Resp:	17877
Ion	Ratio	Lower	Upper
85	100		
87	28.8	16.3	48.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 0.930 ug/l

RT: 1.32 min Scan# 47

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

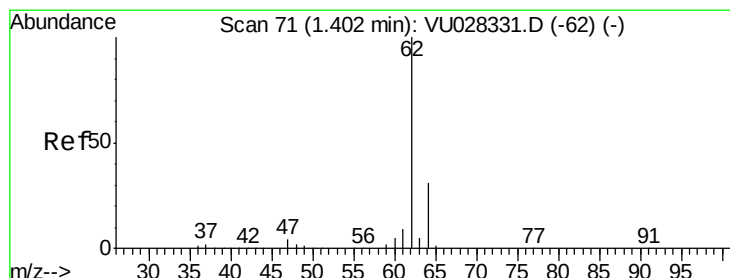
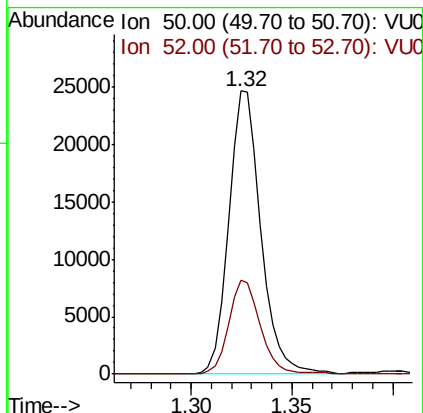
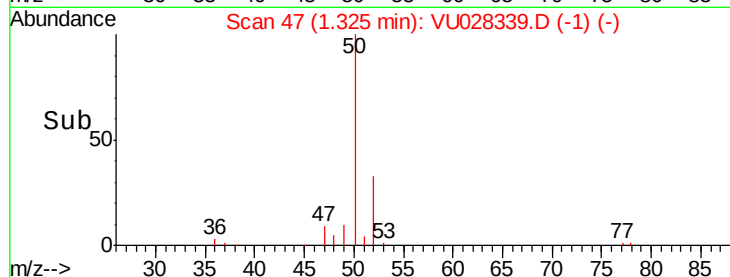
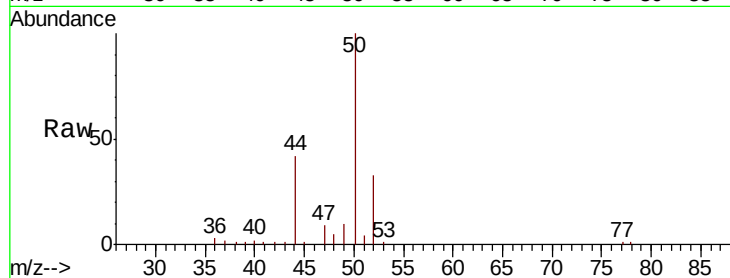
LOQ-WATER-02-QT4-2018

Tgt Ion: 50 Resp: 27494

Ion Ratio Lower Upper

50 100

52 33.2 25.1 37.7



#4

Vinyl Chloride

Concen: 1.040 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028339.D

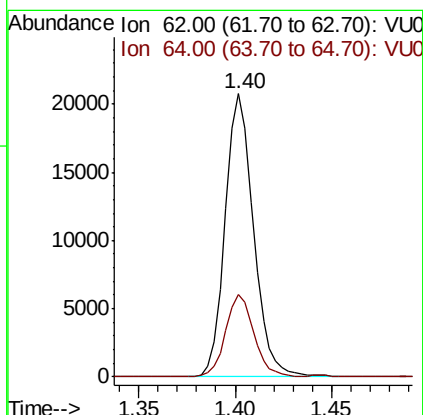
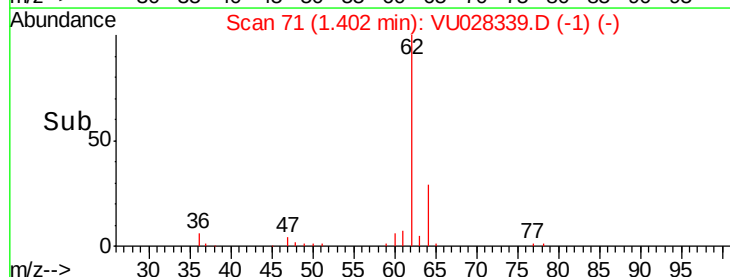
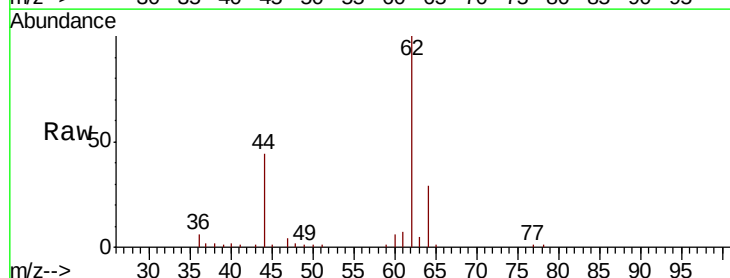
Acq: 26 Nov 2018 15:21

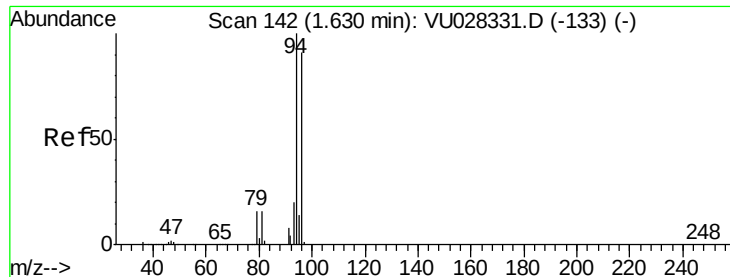
Tgt Ion: 62 Resp: 21050

Ion Ratio Lower Upper

62 100

64 29.1 24.7 37.1





#5

Bromomethane

Concen: 0.875 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

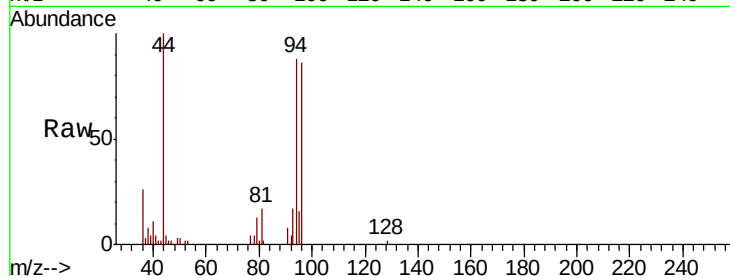
LOQ-WATER-02-QT4-2018

Tgt Ion: 94 Resp: 6974

Ion Ratio Lower Upper

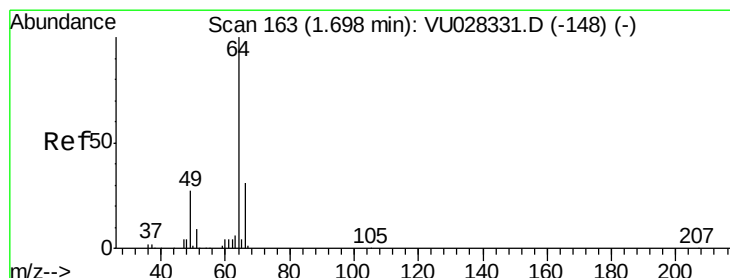
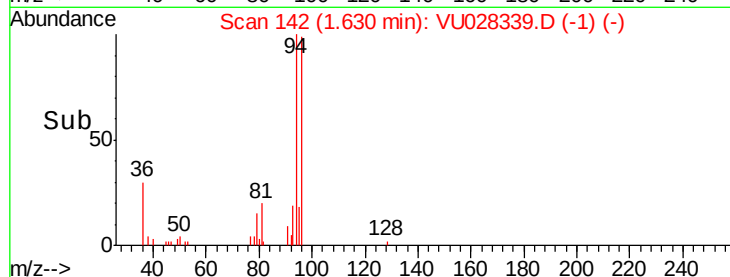
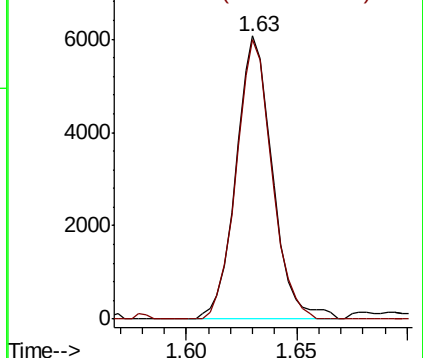
94 100

96 98.7 73.1 109.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 1.003 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU028339.D

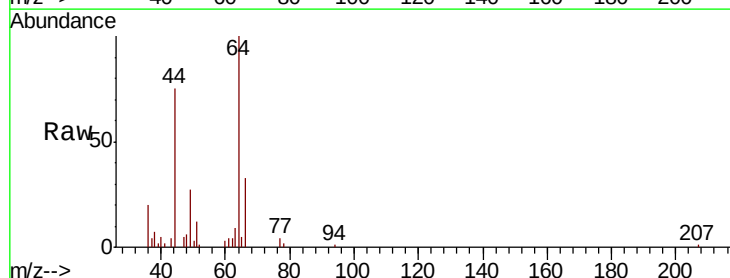
Acq: 26 Nov 2018 15:21

Tgt Ion: 64 Resp: 11849

Ion Ratio Lower Upper

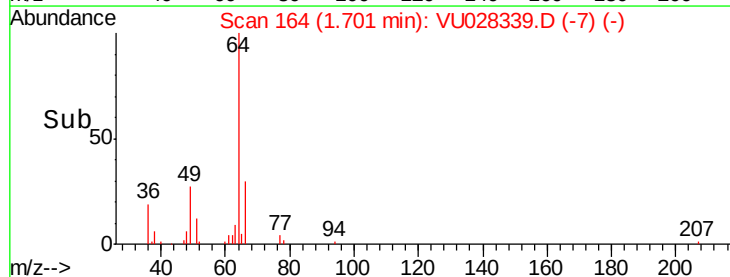
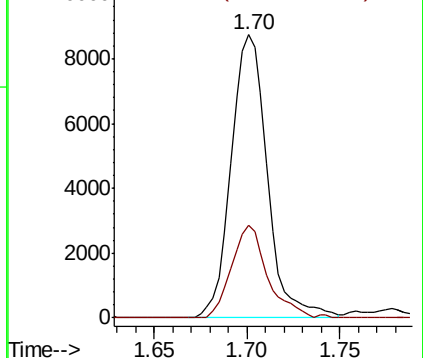
64 100

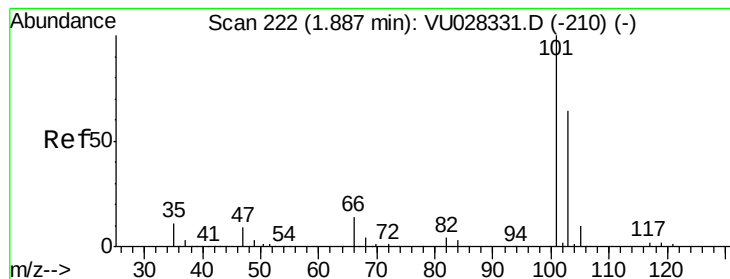
66 32.7 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



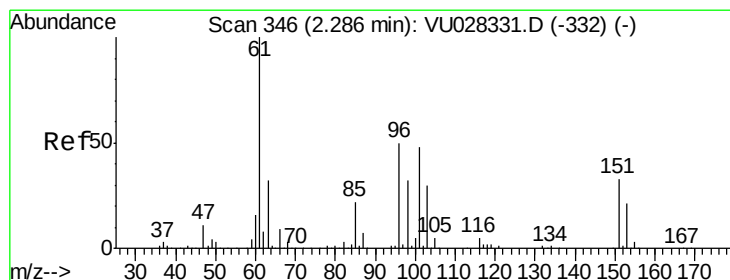
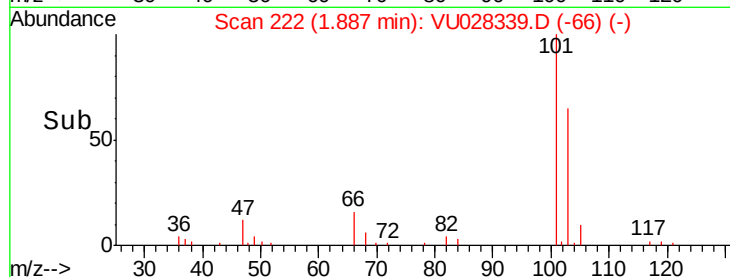
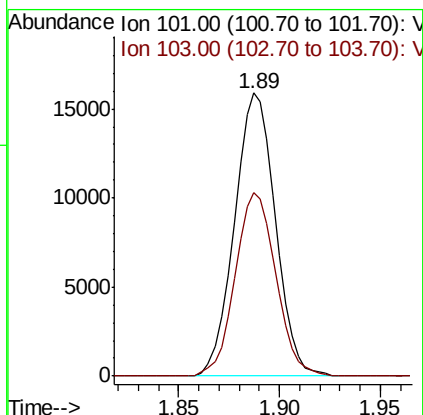
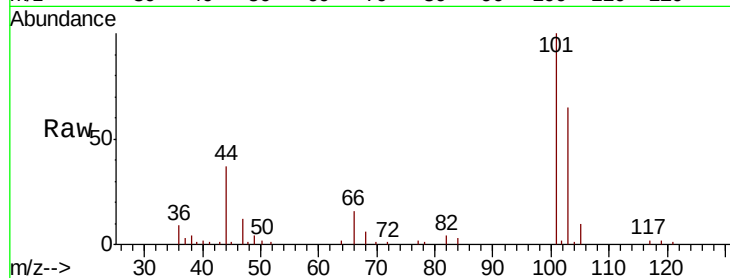


#7

Trichlorofluoromethane
Concen: 1.020 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

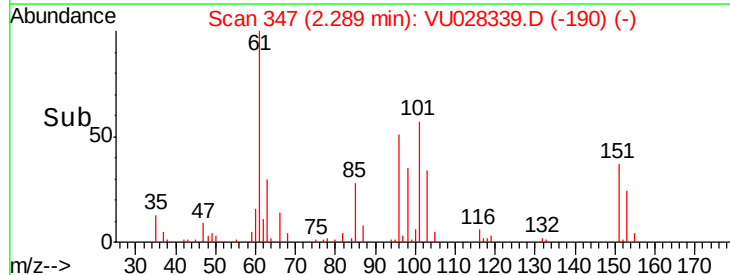
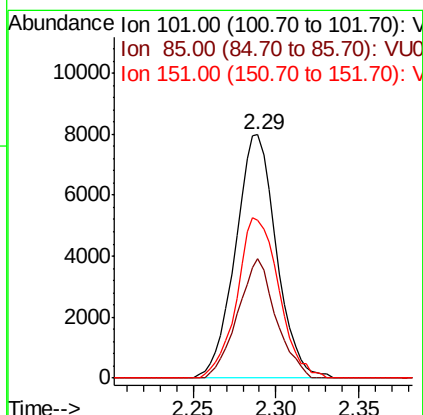
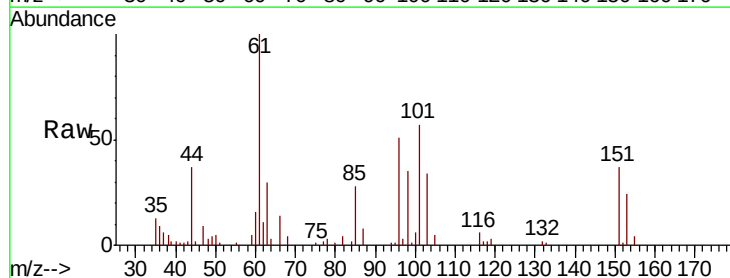
Tgt Ion:101 Resp: 22557
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.0

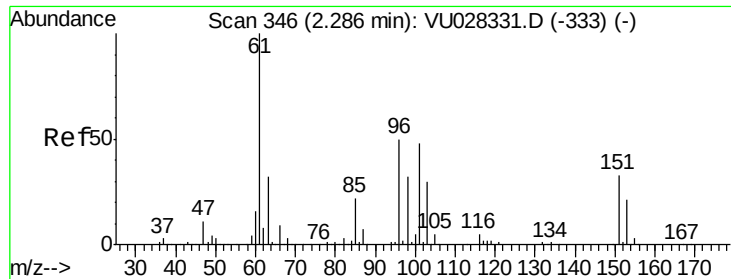


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.077 ug/l
RT: 2.29 min Scan# 347
Delta R.T. 0.00 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

Tgt Ion:101 Resp: 13691
Ion Ratio Lower Upper
101 100
85 45.6 36.7 55.1
151 67.6 55.8 83.6





#9

1,1-Dichloroethene

Concen: 0.995 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

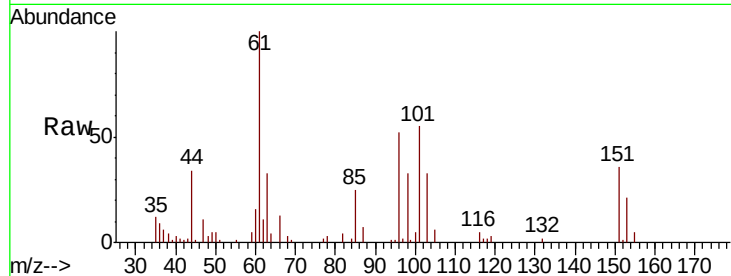
Tgt Ion: 96 Resp: 11698

Ion Ratio Lower Upper

96 100

61 192.6 0.0 597.6

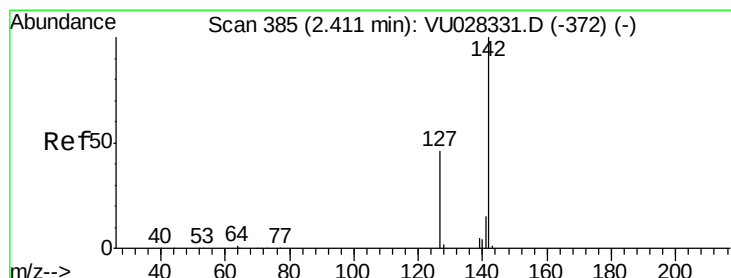
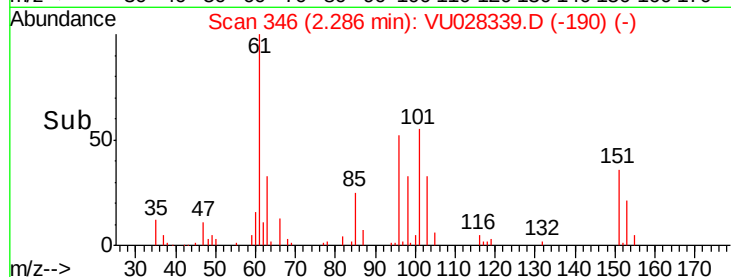
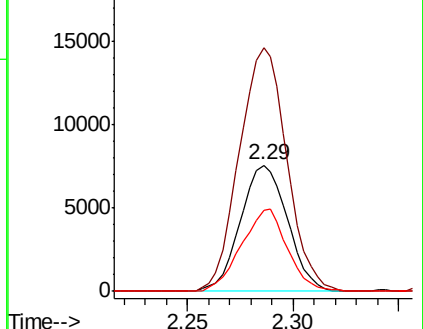
98 64.3 0.0 127.6



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: 1.052 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028339.D

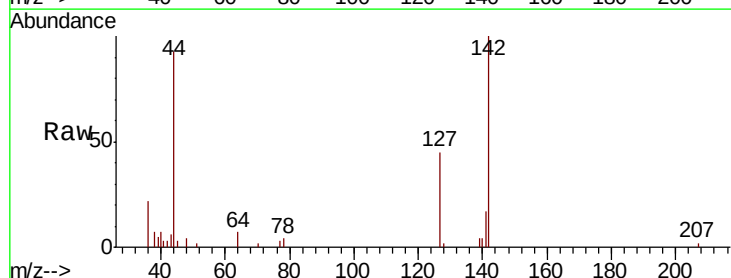
Acq: 26 Nov 2018 15:21

Tgt Ion: 142 Resp: 8370

Ion Ratio Lower Upper

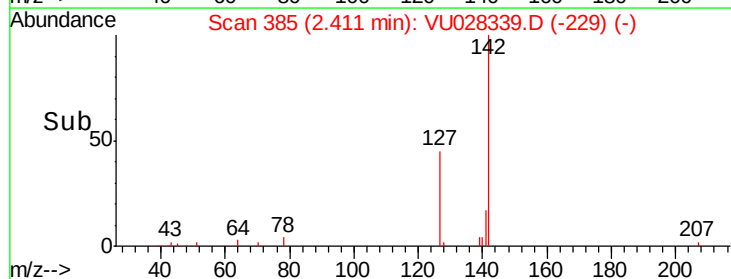
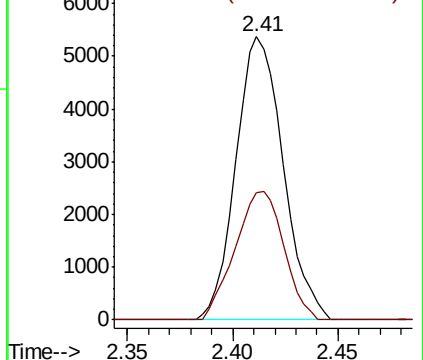
142 100

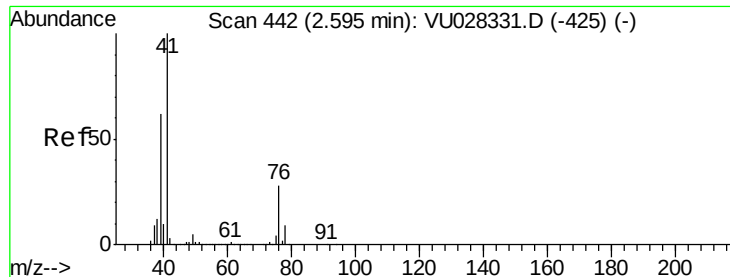
127 46.7 36.4 54.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

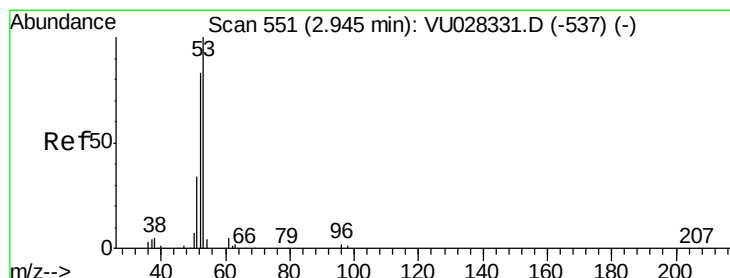
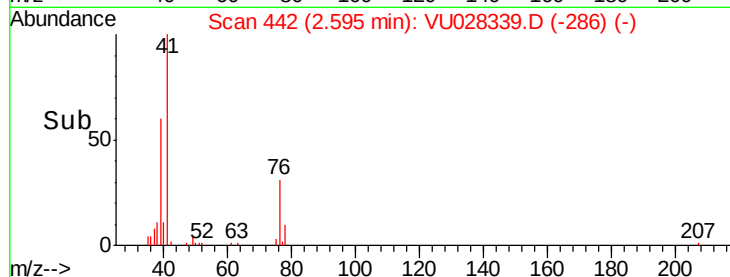
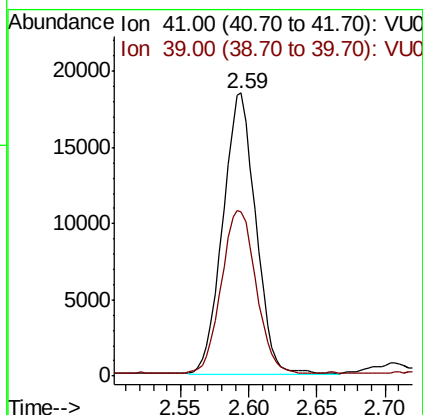
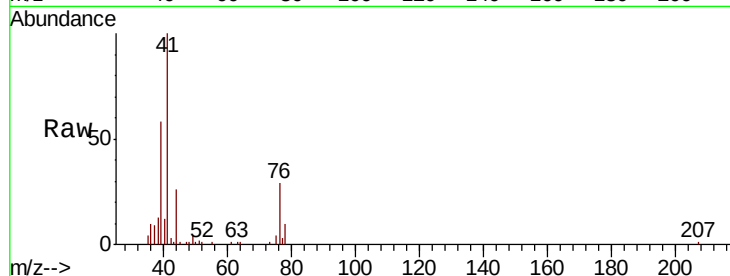




#11
 Allyl Chloride
 Concen: 1.037 ug/l
 RT: 2.59 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

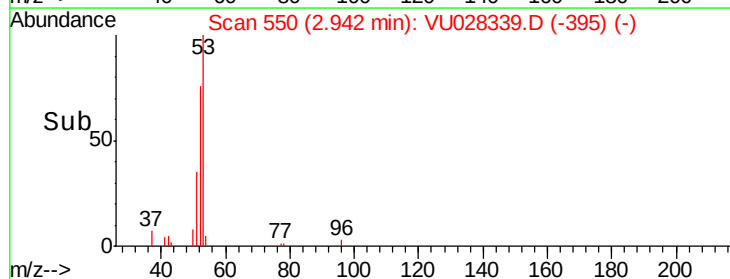
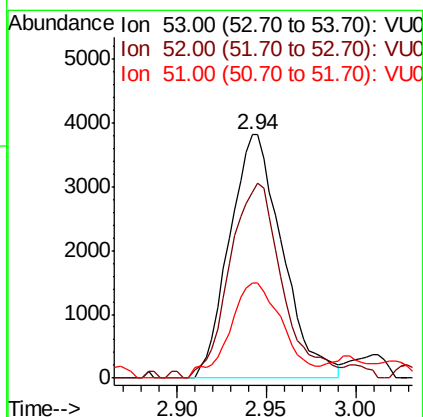
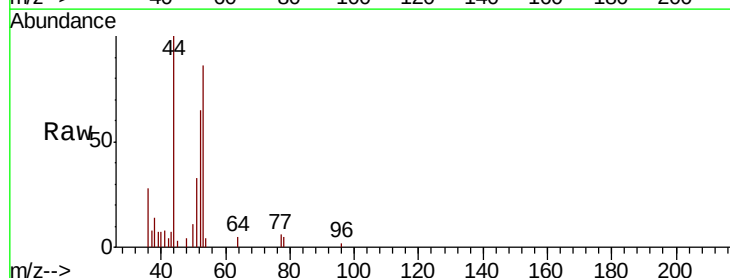
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

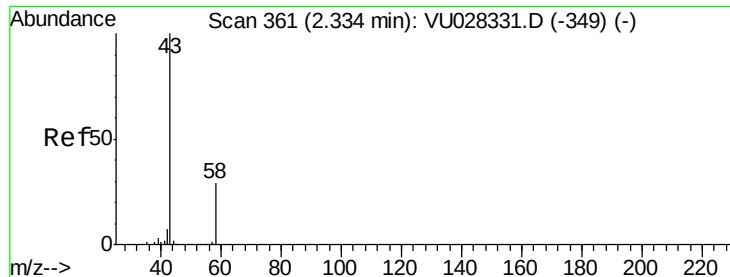
Tgt Ion: 41 Resp: 30780
 Ion Ratio Lower Upper
 41 100
 39 61.4 50.8 76.2



#12
 Acrylonitrile
 Concen: 2.102 ug/l
 RT: 2.94 min Scan# 550
 Delta R.T. -0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

Tgt Ion: 53 Resp: 7873
 Ion Ratio Lower Upper
 53 100
 52 78.9 69.3 103.9
 51 39.2 27.8 41.8





#13

Acetone

Concen: 5.168 ug/l

RT: 2.33 min Scan# 361

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

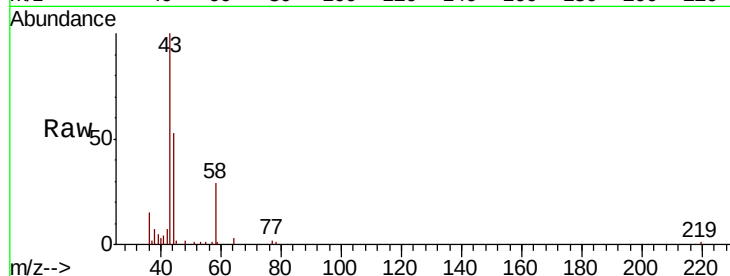
LOQ-WATER-02-QT4-2018

Tgt Ion: 43 Resp: 17940

Ion Ratio Lower Upper

43 100

58 29.2 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

12000

10000

8000

6000

4000

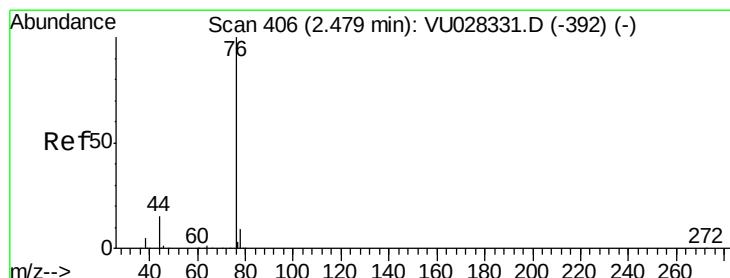
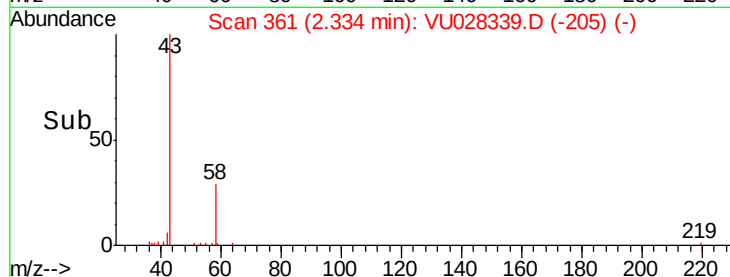
2000

0

Time-->

2.25 2.30 2.35 2.40

2.33



#14

Carbon Disulfide

Concen: 1.027 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU028339.D

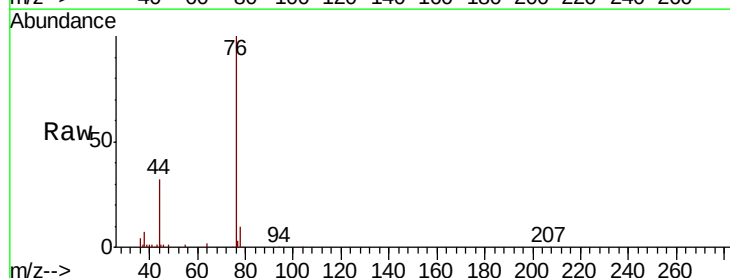
Acq: 26 Nov 2018 15:21

Tgt Ion: 76 Resp: 45887

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

30000

20000

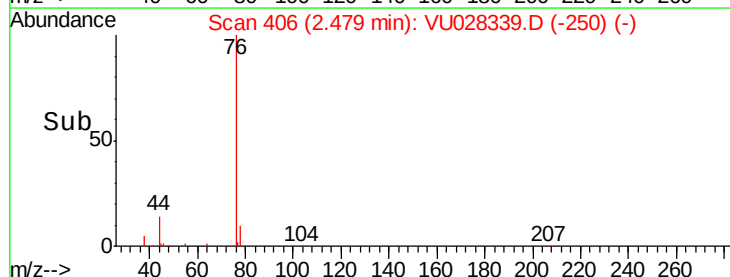
10000

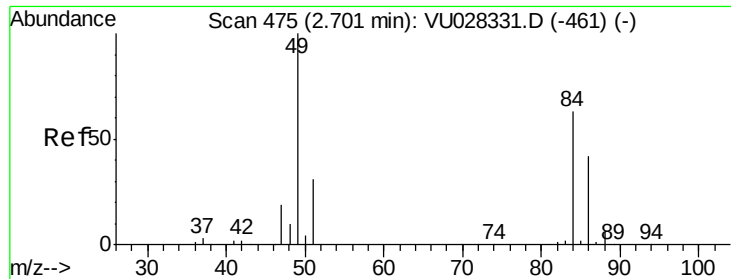
0

Time-->

2.40 2.45 2.50 2.55

2.48

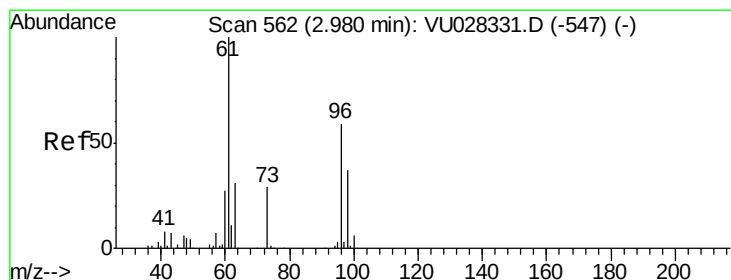
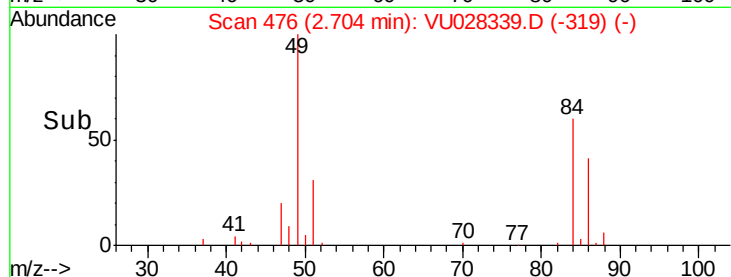
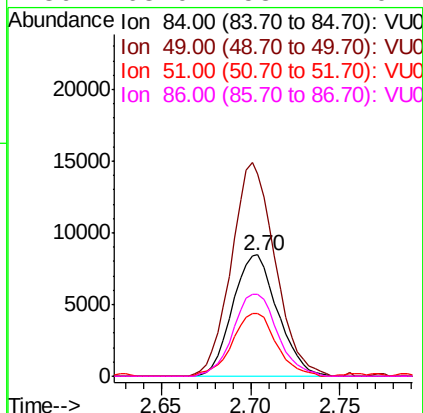
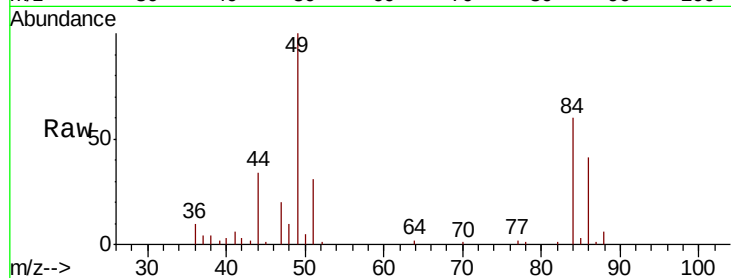




#15
Methylene Chloride
Concen: 1.042 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

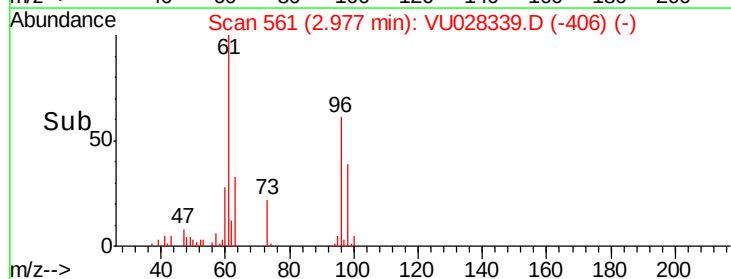
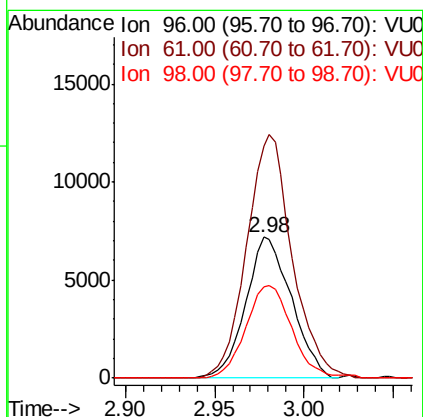
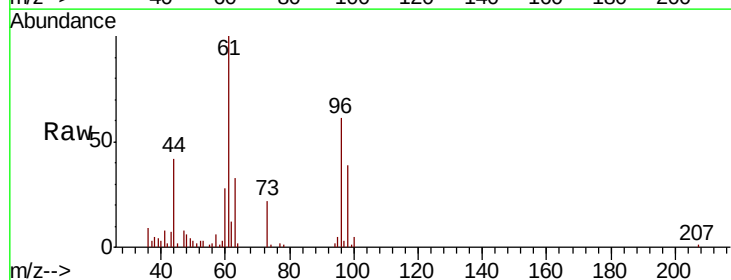
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

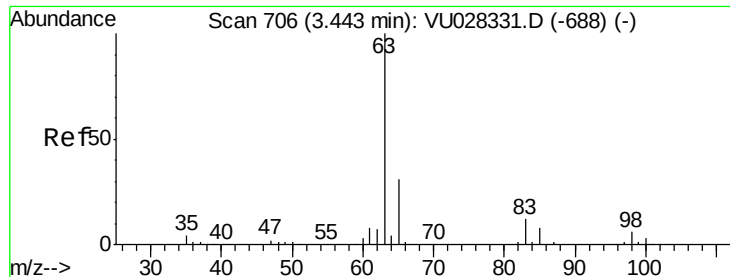
Tgt Ion:	84	Resp:	14949
Ion	Ratio	Lower	Upper
84	100		
49	166.7	127.7	191.5
51	52.2	0.0	98.2
86	68.0	53.1	79.7



#16
trans-1,2-Dichloroethene
Concen: 0.974 ug/l
RT: 2.98 min Scan# 561
Delta R.T. -0.00 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

Tgt Ion:	96	Resp:	12814
Ion	Ratio	Lower	Upper
96	100		
61	165.0	136.4	204.6
98	64.8	49.8	74.8

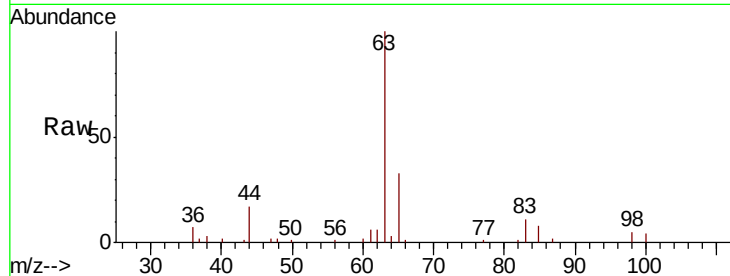




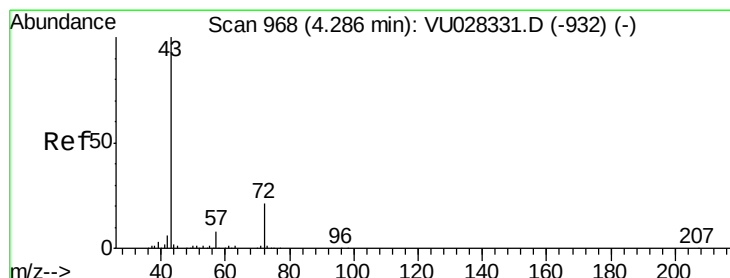
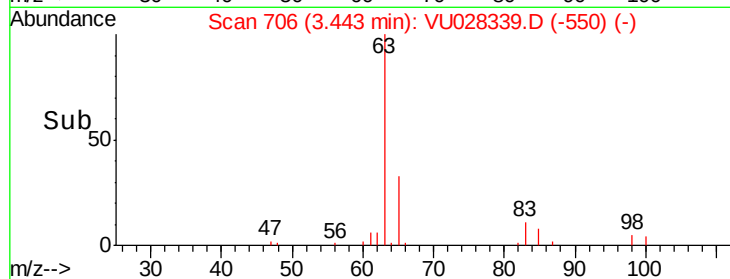
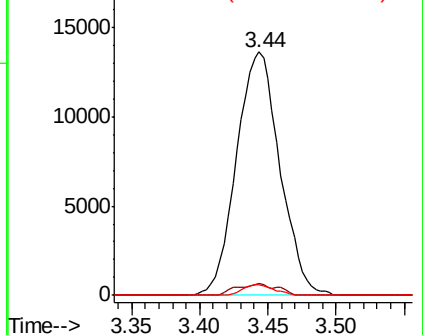
#17
 1,1-Dichloroethane
 Concen: 1.027 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion:	63	Resp:	30139
Ion	Ratio	Lower	Upper
63	100		
98	4.6	3.0	9.0
100	4.4	1.8	5.3

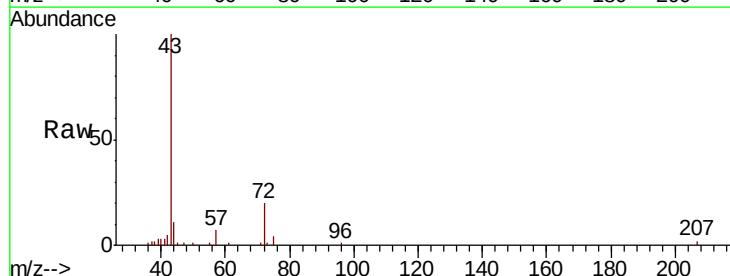


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

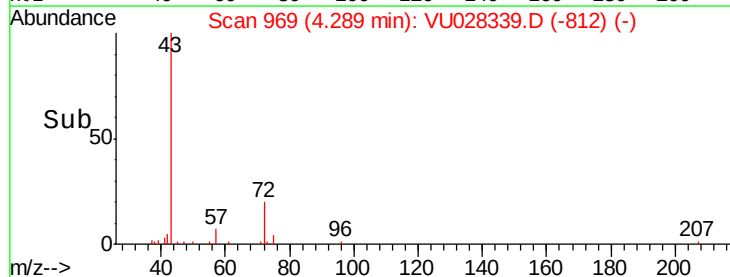
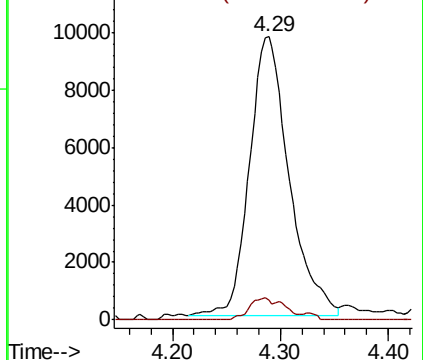


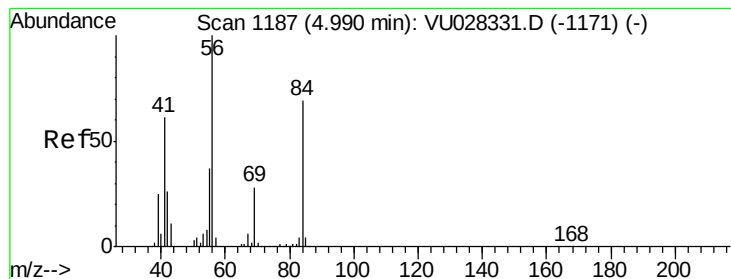
#18
 2-Butanone
 Concen: 4.804 ug/l
 RT: 4.29 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

Tgt Ion:	43	Resp:	24918
Ion	Ratio	Lower	Upper
43	100		
57	6.9	0.0	15.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





#19

Cyclohexane

Concen: 0.993 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

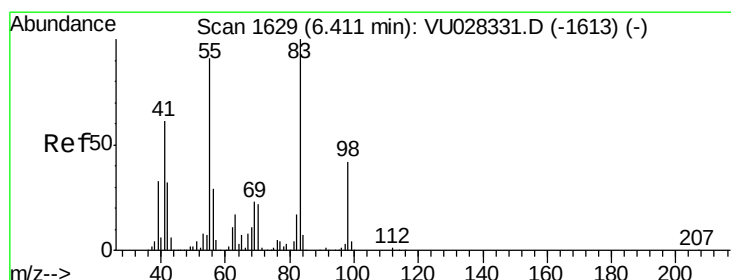
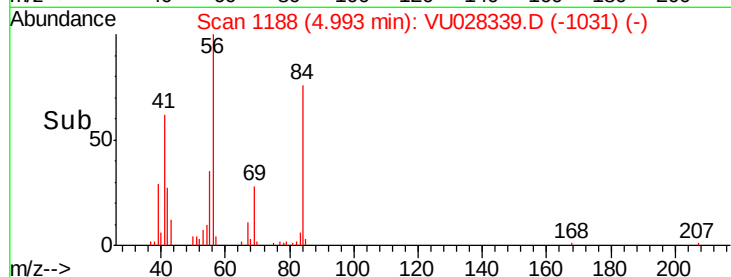
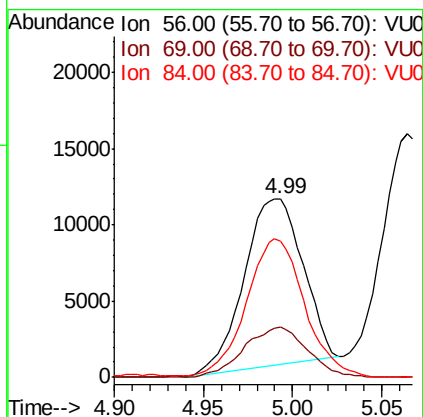
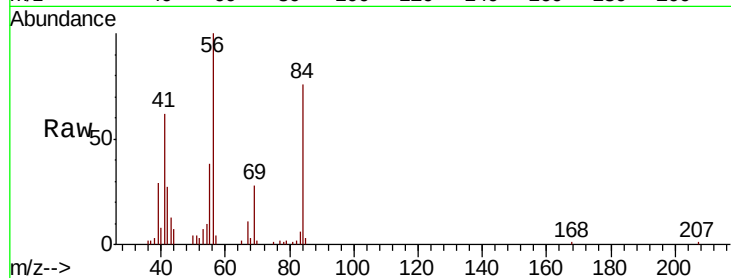
Tgt Ion: 56 Resp: 25294

Ion Ratio Lower Upper

56 100

69 32.2 25.0 37.6

84 80.8 62.6 94.0



#20

Methylcyclohexane

Concen: 0.980 ug/l

RT: 6.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

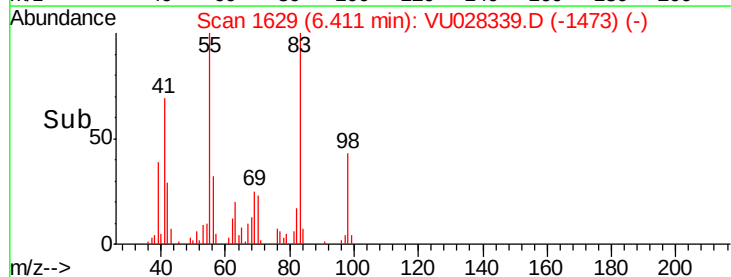
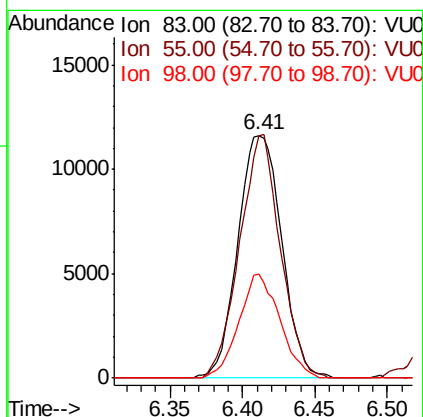
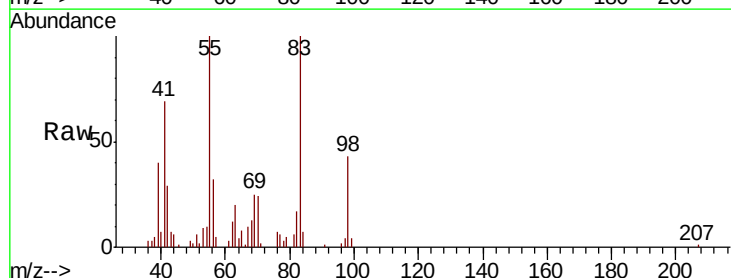
Tgt Ion: 83 Resp: 24439

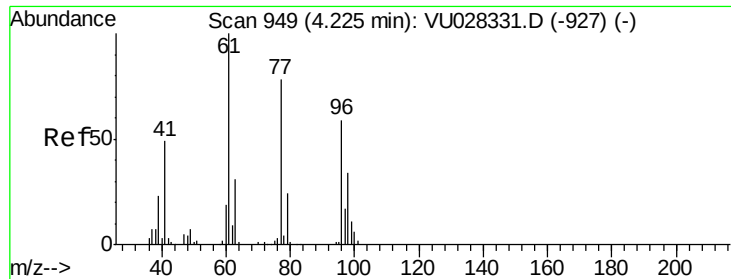
Ion Ratio Lower Upper

83 100

55 93.0 72.6 108.8

98 39.9 33.8 50.8

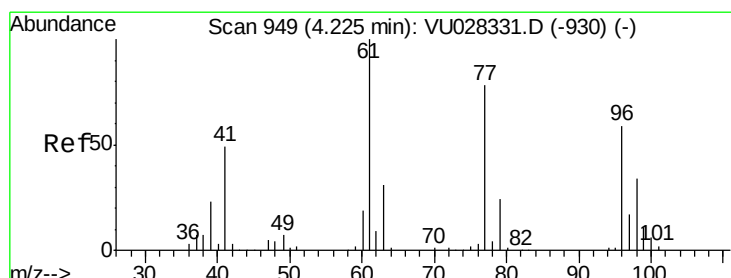
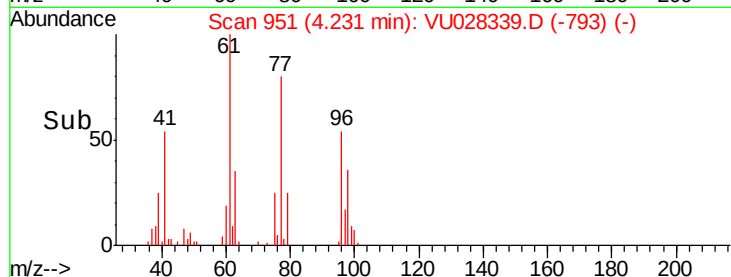
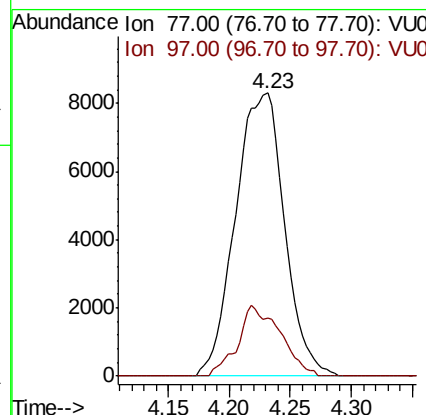
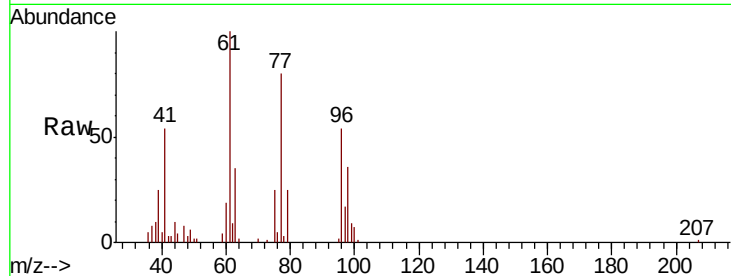




#21
 2,2-Dichloropropane
 Concen: 0.981 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.01 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

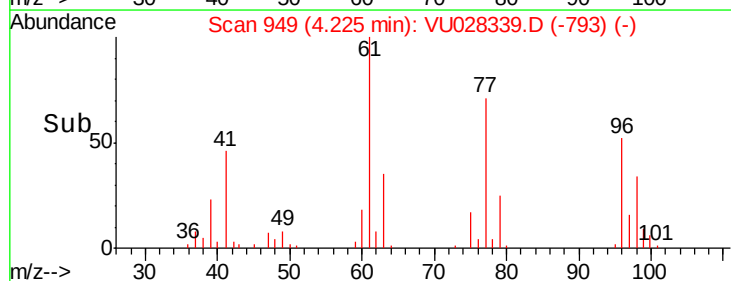
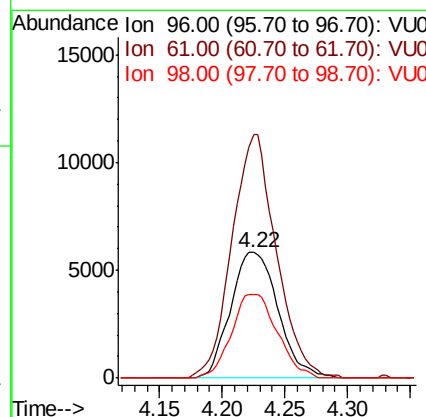
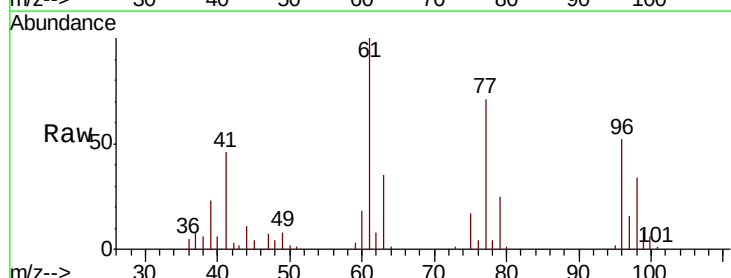
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

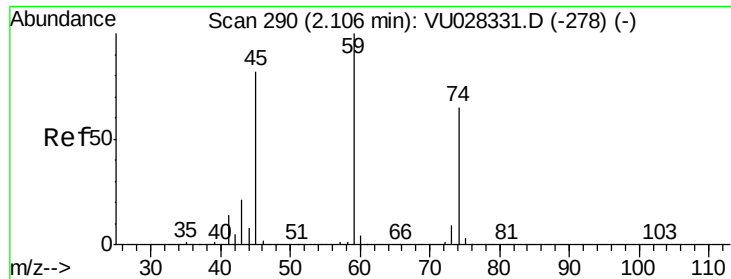
Tgt Ion: 77 Resp: 23102
 Ion Ratio Lower Upper
 77 100
 97 21.8 17.4 26.2



#22
 cis-1,2-Dichloroethene
 Concen: 0.999 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

Tgt Ion: 96 Resp: 15385
 Ion Ratio Lower Upper
 96 100
 61 180.2 0.0 423.0
 98 64.0 30.3 91.0

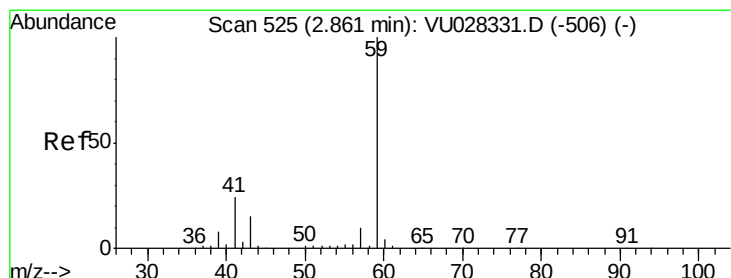
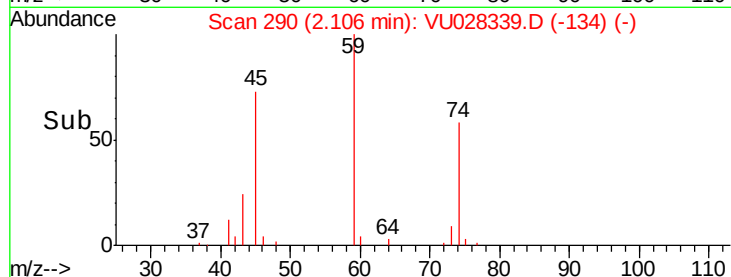
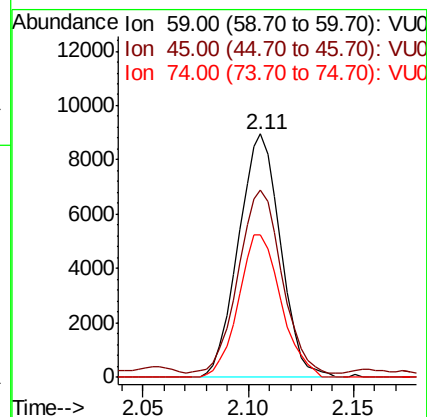
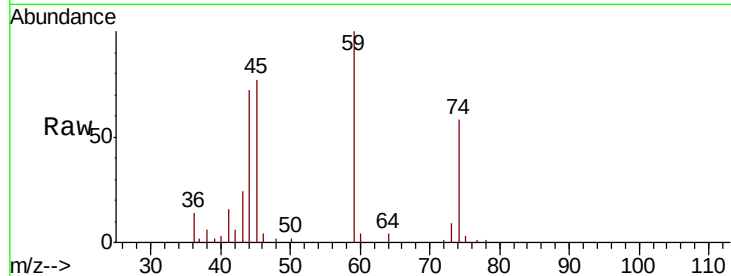




#23
Diethyl Ether
Concen: 1.049 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

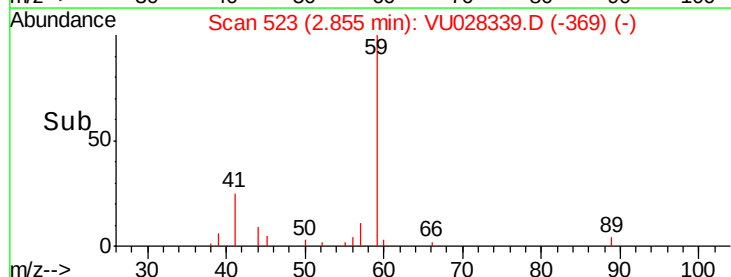
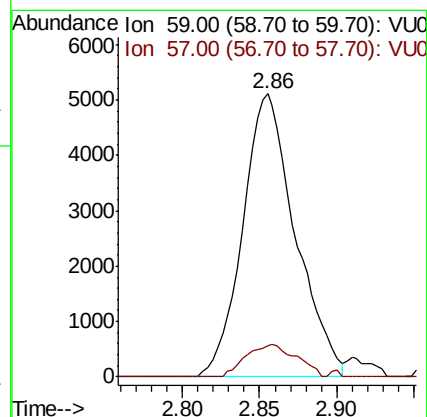
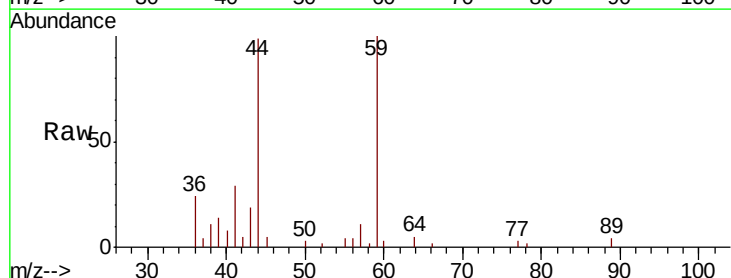
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

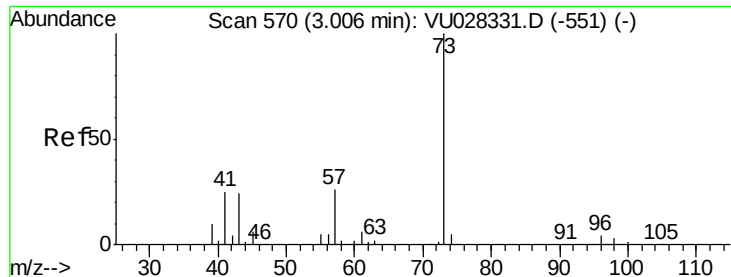
Tgt Ion: 59 Resp: 12370
Ion Ratio Lower Upper
59 100
45 79.0 66.4 99.6
74 59.3 52.2 78.4



#24
tert-Butyl Alcohol
Concen: 10.216 ug/l
RT: 2.86 min Scan# 523
Delta R.T. -0.01 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

Tgt Ion: 59 Resp: 12088
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.4



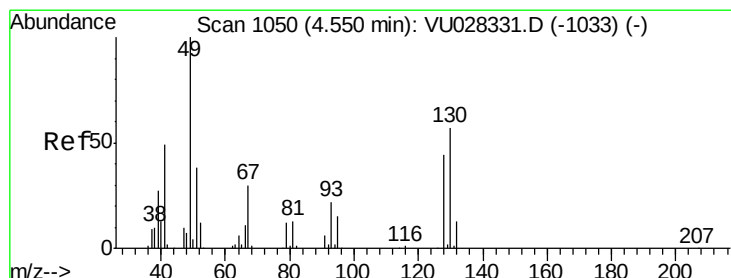
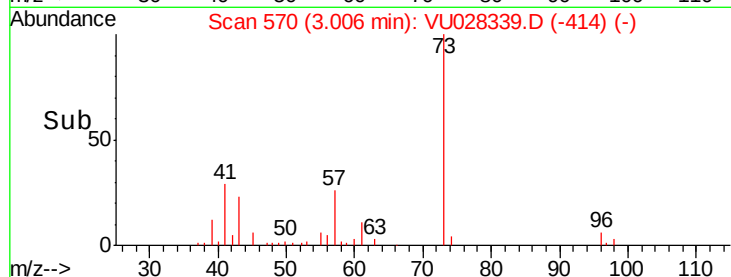
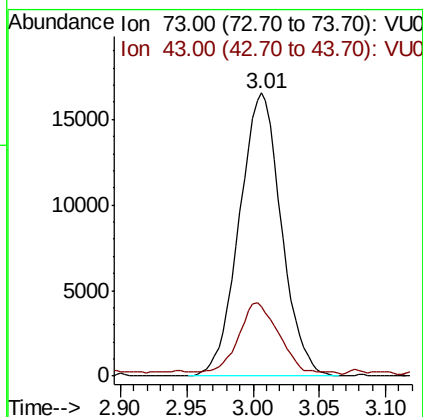
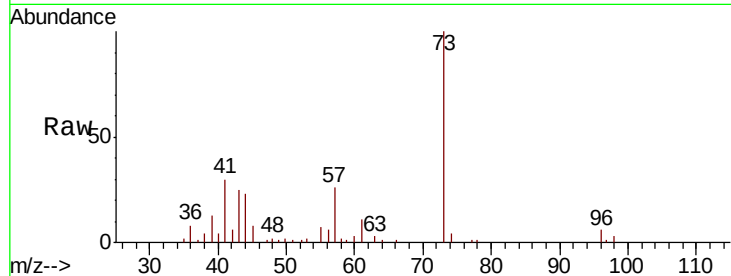


#25

Methyl tert-Butyl Ether
Concen: 1.041 ug/l
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

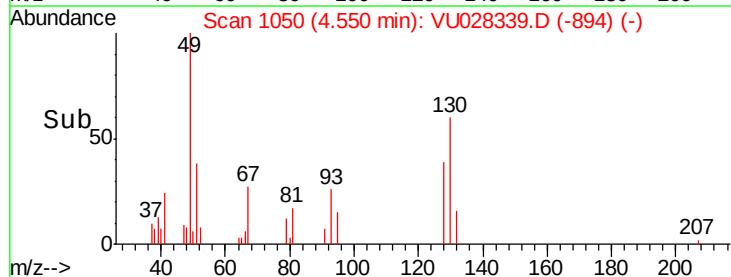
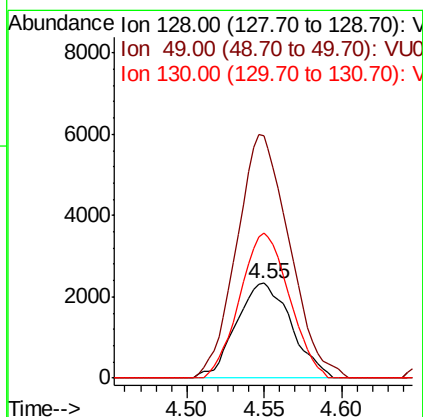
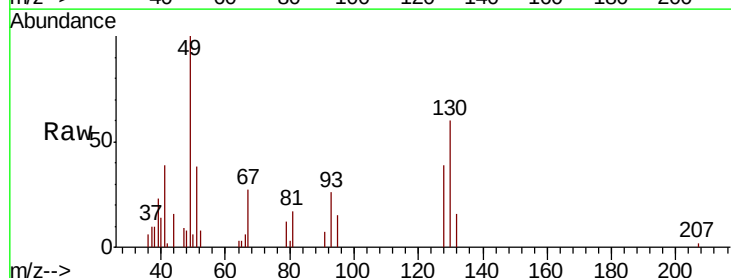
Tgt Ion: 73 Resp: 36366
Ion Ratio Lower Upper
73 100
43 24.4 18.5 27.7

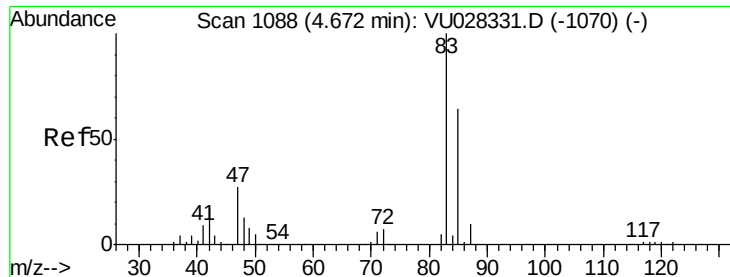


#26

Bromochloromethane
Concen: 0.983 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

Tgt Ion: 128 Resp: 5773
Ion Ratio Lower Upper
128 100
49 245.8 0.0 457.6
130 137.7 101.4 152.2





#27

Chloroform

Concen: 1.072 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

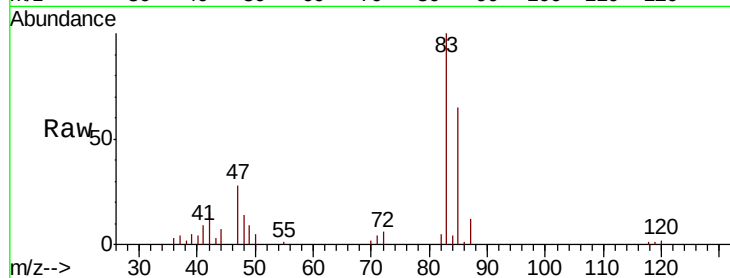
LOQ-WATER-02-QT4-2018

Tgt Ion: 83 Resp: 30342

Ion Ratio Lower Upper

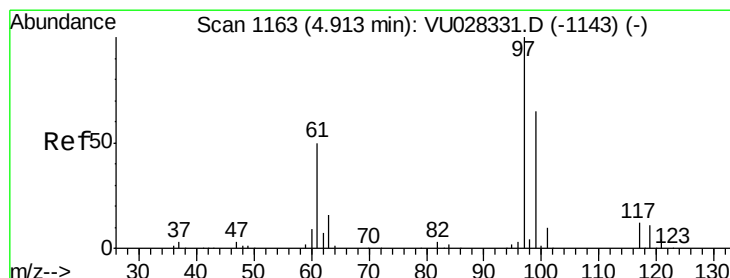
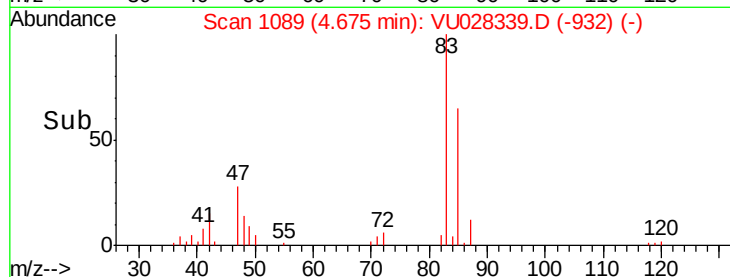
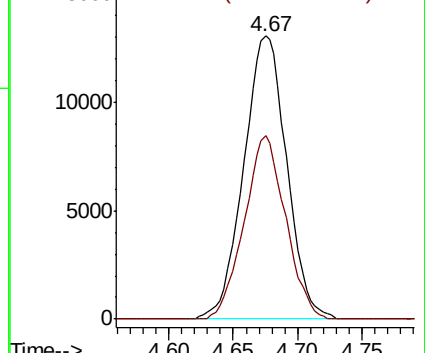
83 100

85 64.8 0.0 128.0



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 0.986 ug/l

RT: 4.91 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

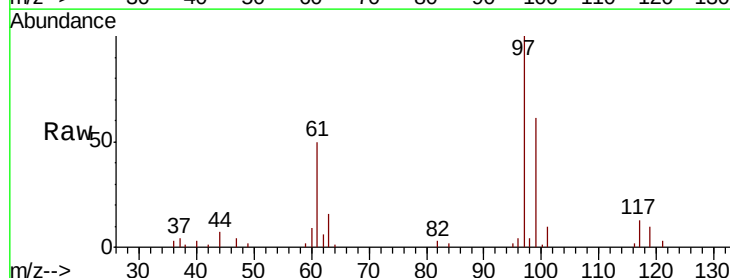
Tgt Ion: 97 Resp: 21787

Ion Ratio Lower Upper

97 100

99 65.9 32.2 96.6

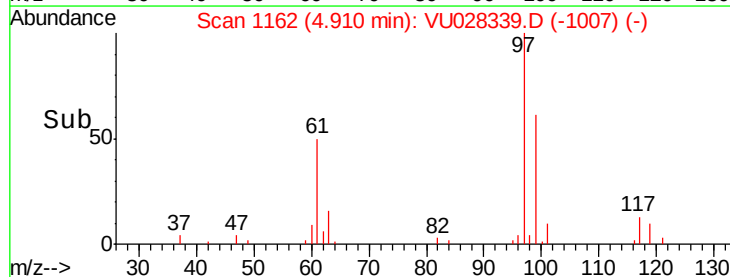
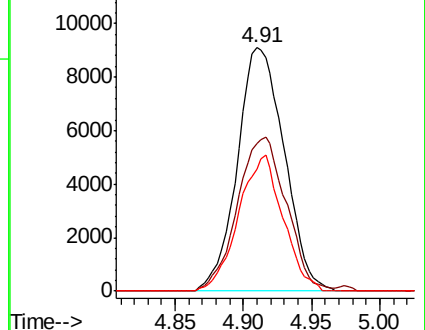
61 52.8 24.9 74.7

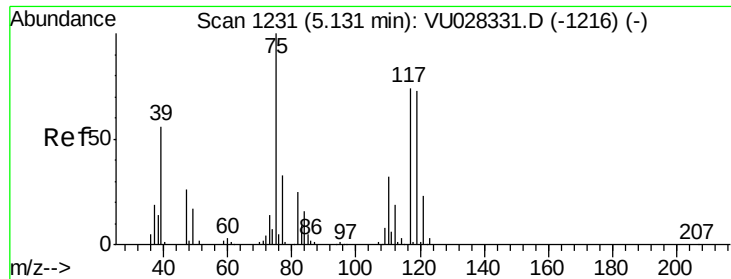


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

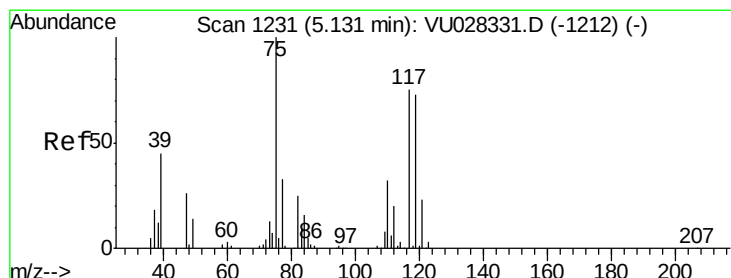
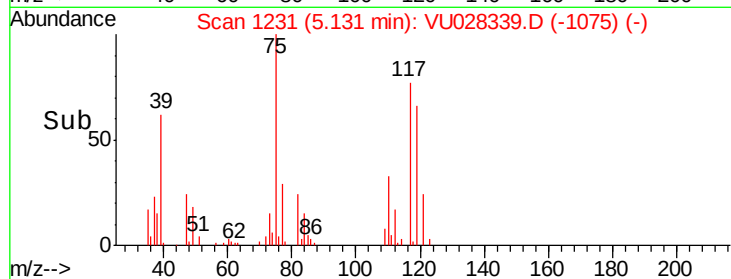
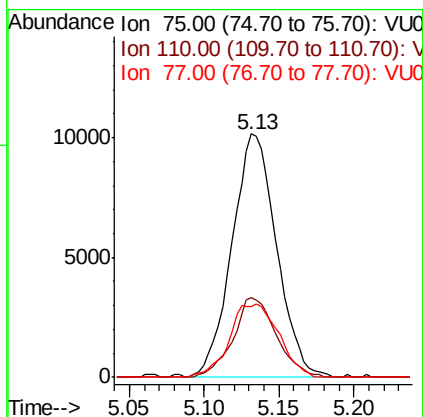
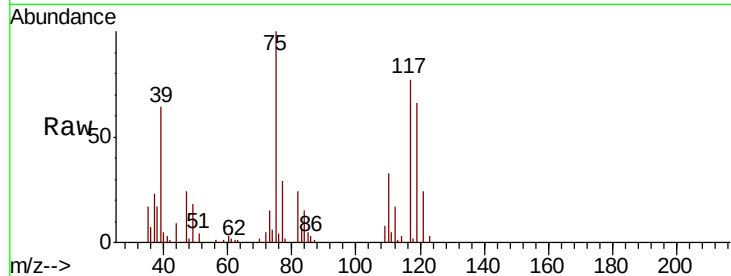




#29
 1,1-Dichloropropene
 Concen: 0.995 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

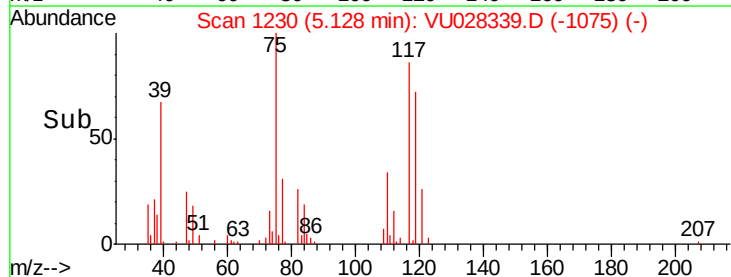
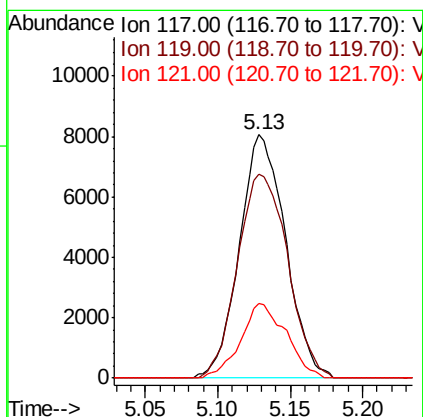
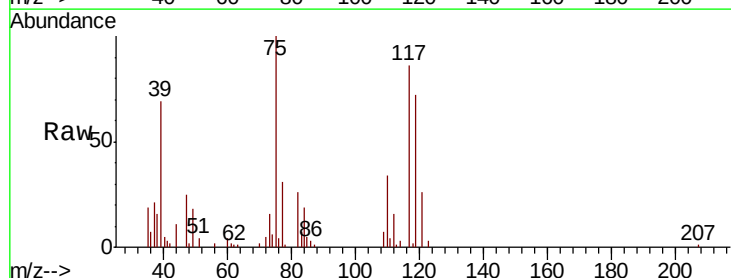
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

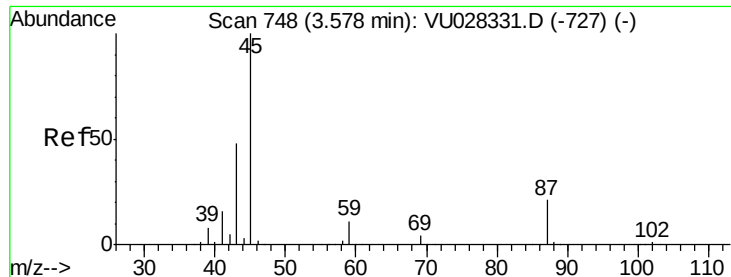
Tgt Ion: 75 Resp: 21083
 Ion Ratio Lower Upper
 75 100
 110 31.6 15.8 47.3
 77 33.2 25.4 38.0



#30
 Carbon Tetrachloride
 Concen: 0.998 ug/l
 RT: 5.13 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

Tgt Ion: 117 Resp: 17801
 Ion Ratio Lower Upper
 117 100
 119 83.5 78.2 117.4
 121 30.7 24.7 37.1





#31

Isopropyl Ether

Concen: 1.014 ug/l

RT: 3.58 min Scan# 748

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

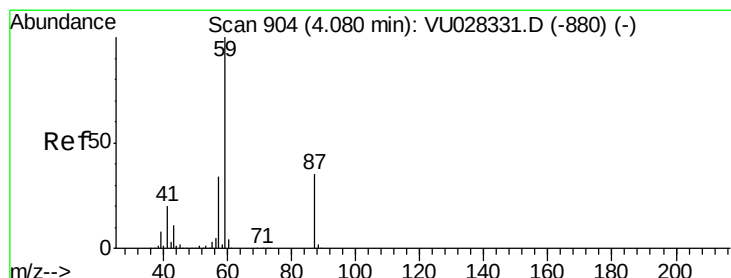
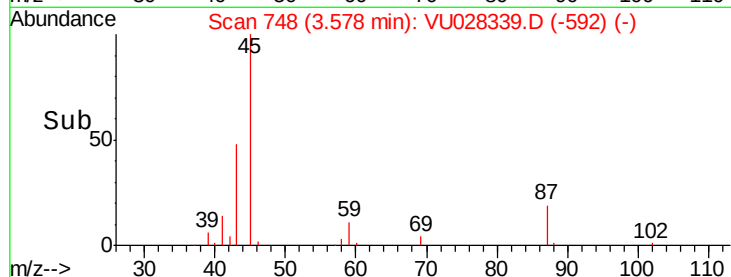
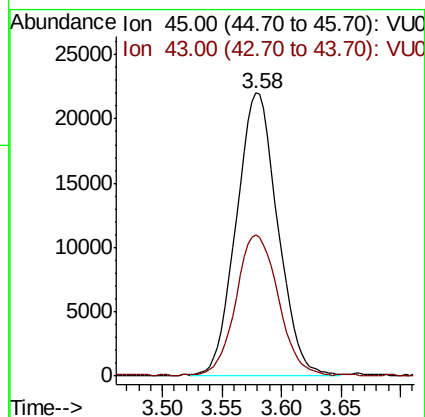
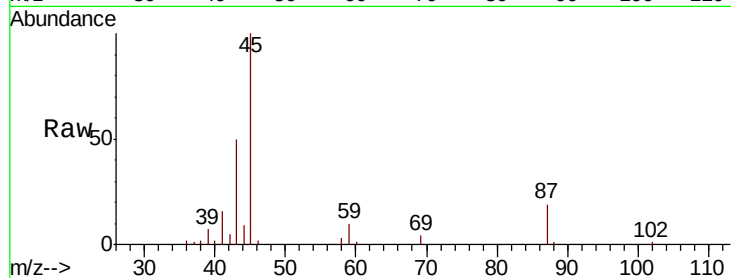
LOQ-WATER-02-QT4-2018

Tgt Ion: 45 Resp: 53255

Ion Ratio Lower Upper

45 100

43 51.2 24.2 72.6



#32

Ethyl-t-butyl ether

Concen: 0.997 ug/l

RT: 4.08 min Scan# 904

Delta R.T. 0.00 min

Lab File: VU028339.D

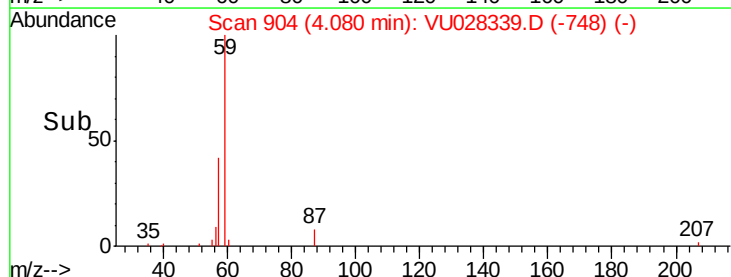
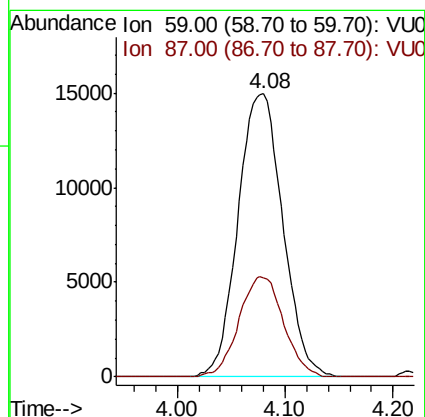
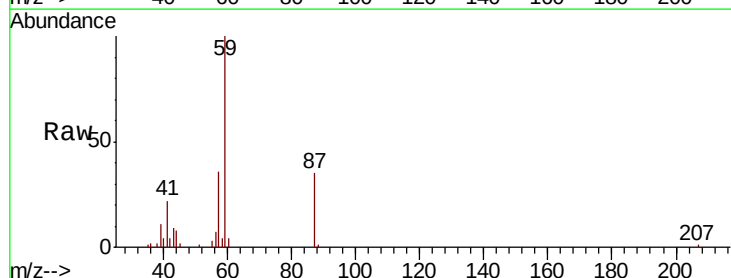
Acq: 26 Nov 2018 15:21

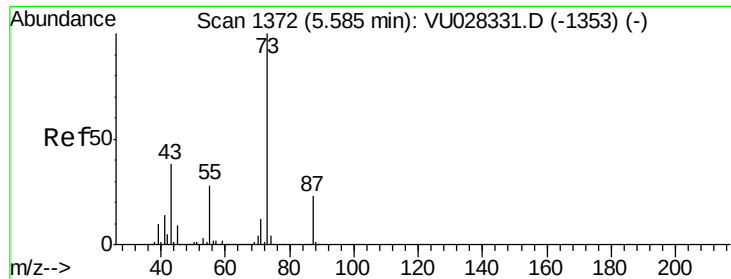
Tgt Ion: 59 Resp: 43150

Ion Ratio Lower Upper

59 100

87 35.2 28.2 42.4





#33

Tert-Amyl methyl ether

Concen: 0.983 ug/l

RT: 5.58 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

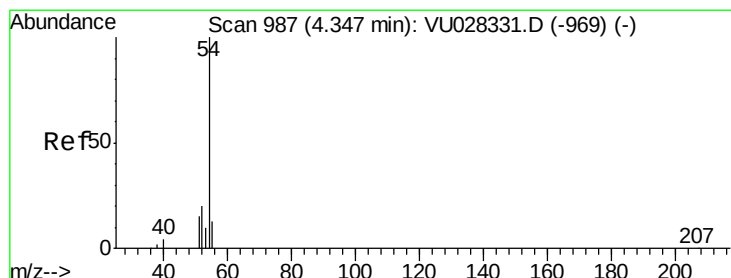
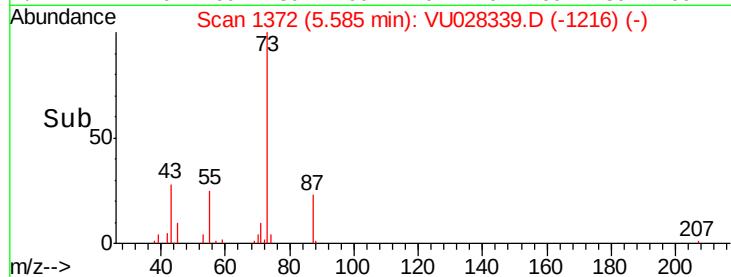
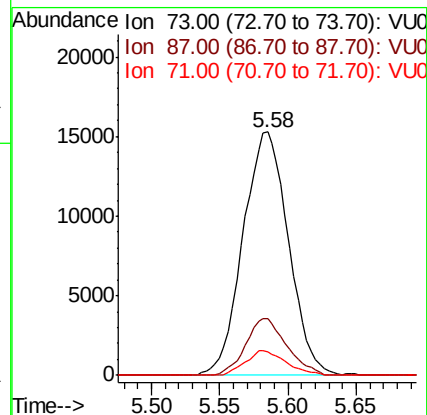
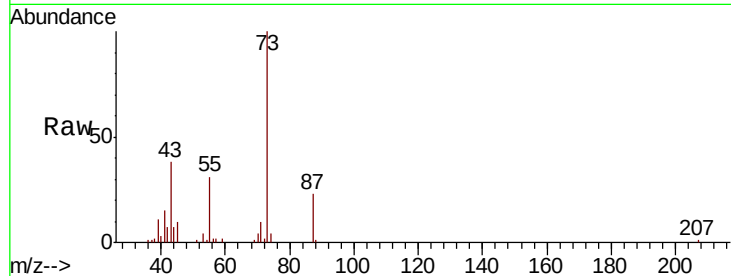
Tgt Ion: 73 Resp: 35299

Ion Ratio Lower Upper

73 100

87 21.0 17.6 26.4

71 9.2 9.2 13.8#



#34

Propionitrile

Concen: 5.034 ug/l

RT: 4.35 min Scan# 988

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Tgt Ion: 54 Resp: 6559

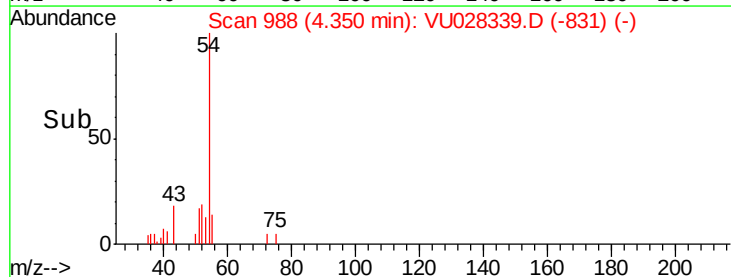
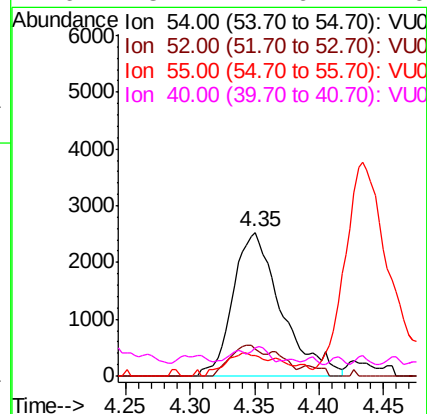
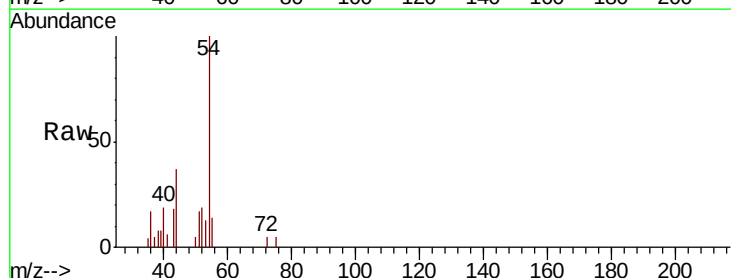
Ion Ratio Lower Upper

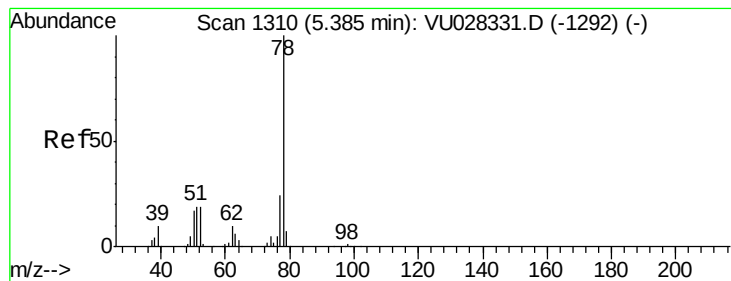
54 100

52 0.0 16.6 25.0#

55 0.0 12.9 19.3#

40 3.1 2.6 4.0





#35

Benzene

Concen: 1.004 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

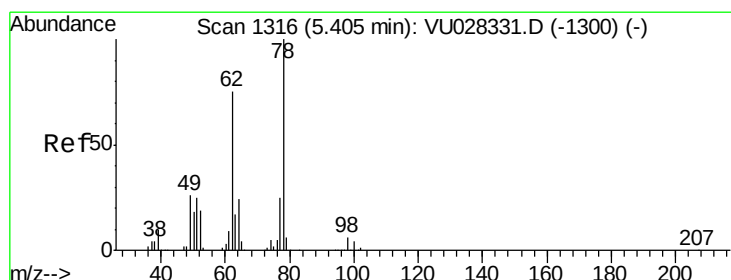
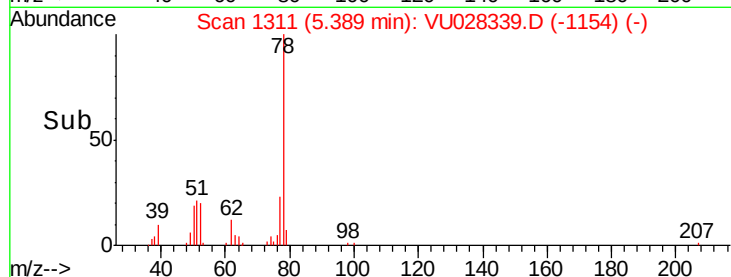
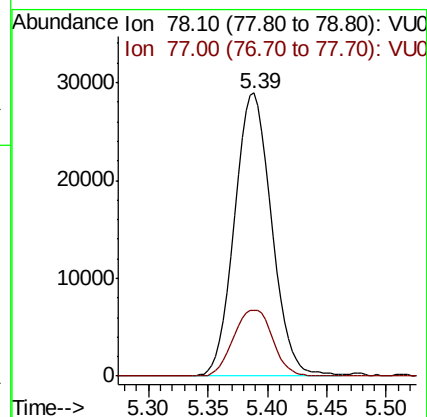
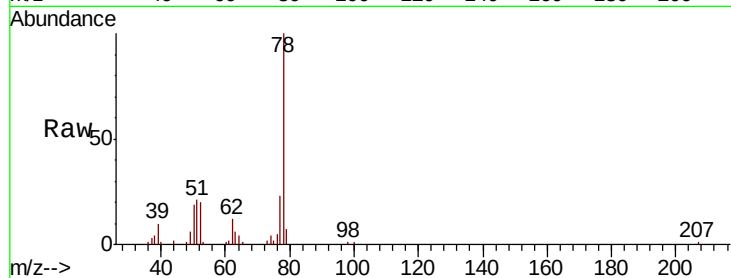
LOQ-WATER-02-QT4-2018

Tgt Ion: 78 Resp: 62677

Ion Ratio Lower Upper

78 100

77 23.3 19.5 29.3



#36

1,2-Dichloroethane

Concen: 1.020 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU028339.D

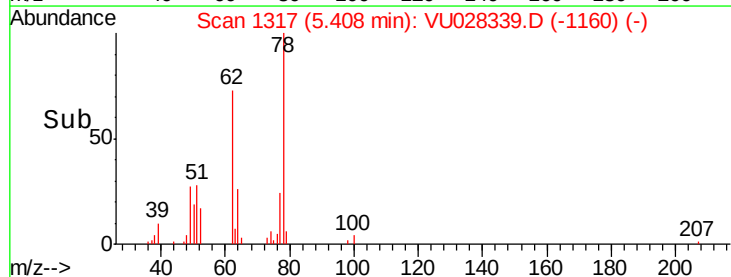
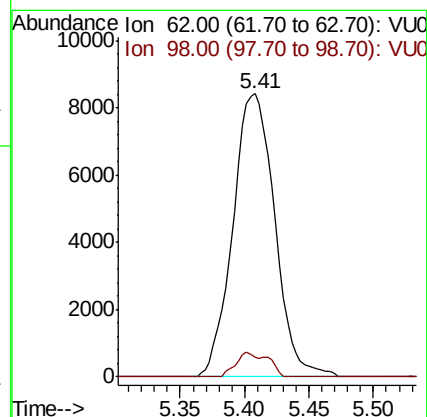
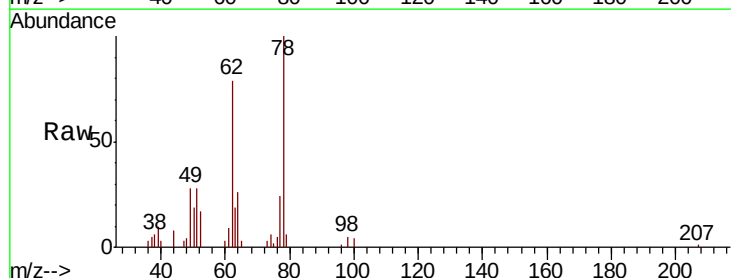
Acq: 26 Nov 2018 15:21

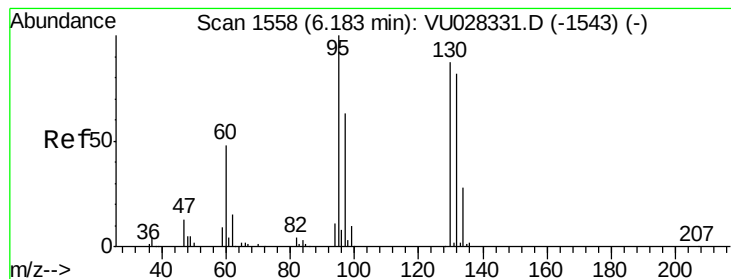
Tgt Ion: 62 Resp: 19042

Ion Ratio Lower Upper

62 100

98 4.4 6.0 9.0#





#37

Trichloroethene

Concen: 1.012 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

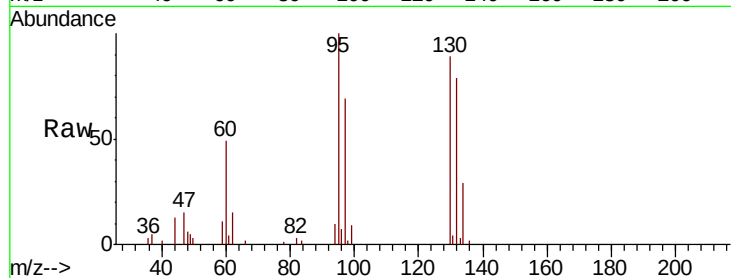
LOQ-WATER-02-QT4-2018

Tgt Ion:130 Resp: 13749

Ion Ratio Lower Upper

130 100

95 112.0 91.5 137.3



Abundance Ion 129.90 (129.60 to 130.60): VU028331.D (-1543) (-)

Ion 94.90 (94.60 to 95.60): VU028331.D (-1543) (-)

6.18

8000

6000

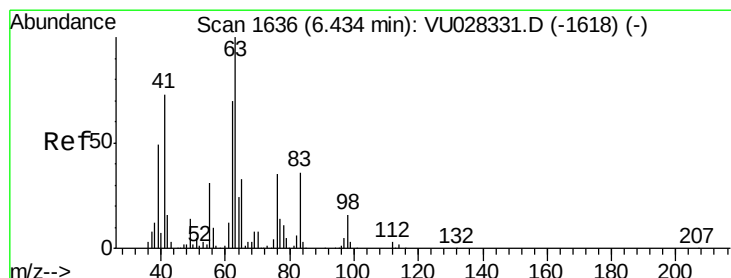
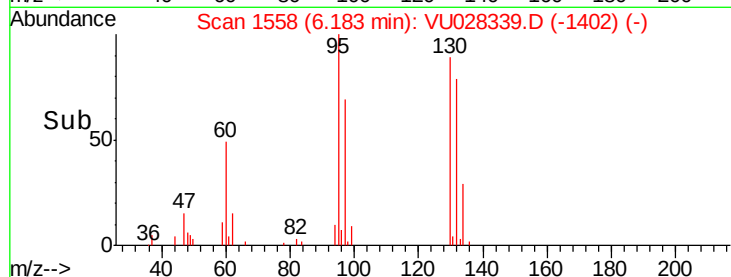
4000

2000

0

6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 1.062 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028339.D

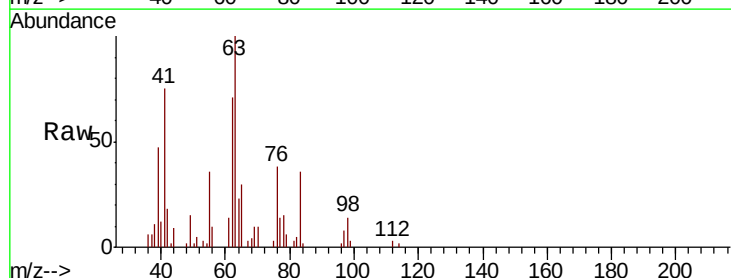
Acq: 26 Nov 2018 15:21

Tgt Ion: 63 Resp: 18892

Ion Ratio Lower Upper

63 100

65 30.4 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VU028331.D (-1618) (-)

Ion 65.00 (64.70 to 65.70): VU028331.D (-1618) (-)

6.43

10000

8000

6000

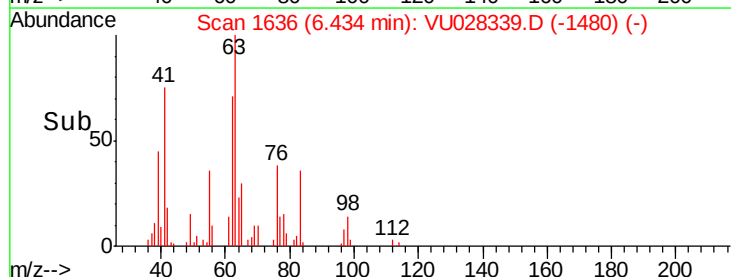
4000

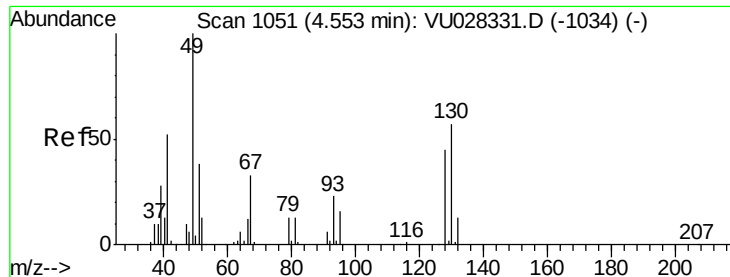
2000

0

6.35 6.40 6.45 6.50

Time-->

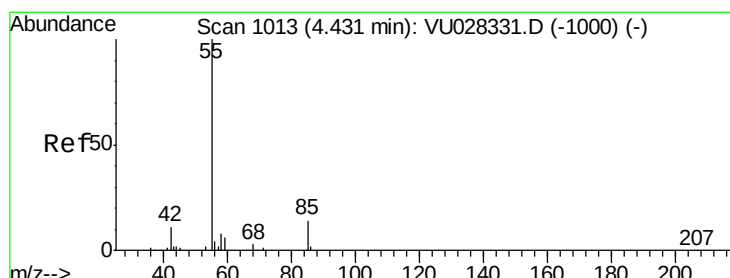
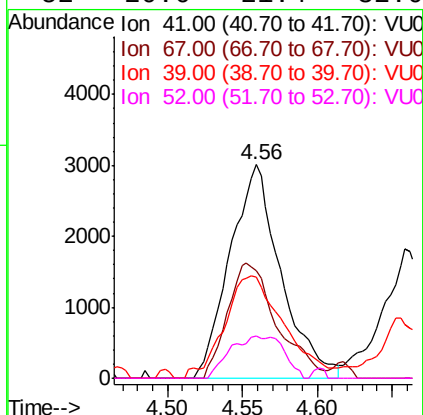
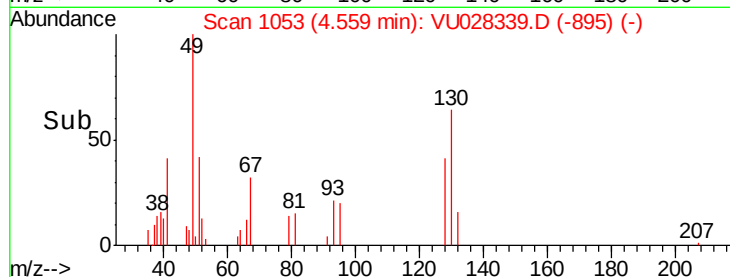
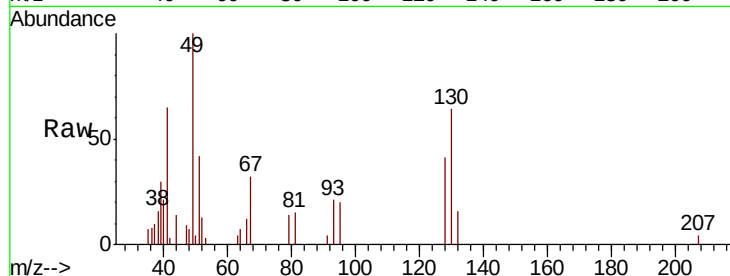




#39
Methacrylonitrile
Concen: 1.023 ug/l
RT: 4.56 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

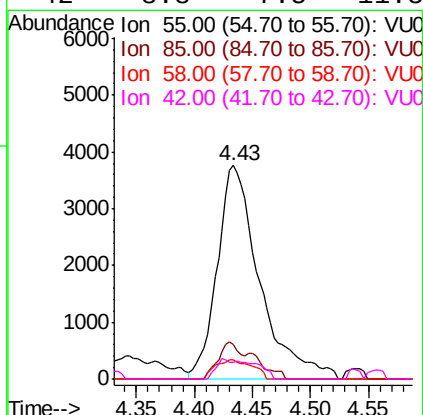
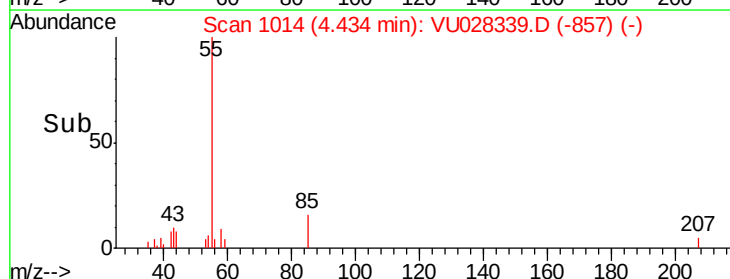
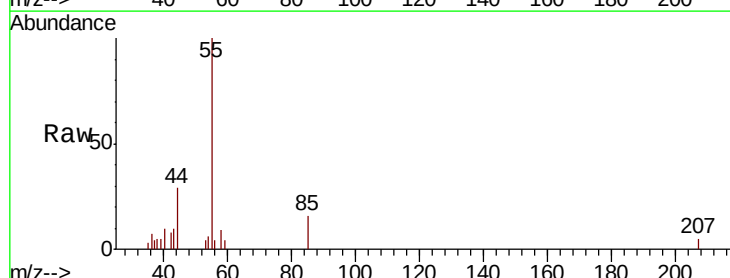
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

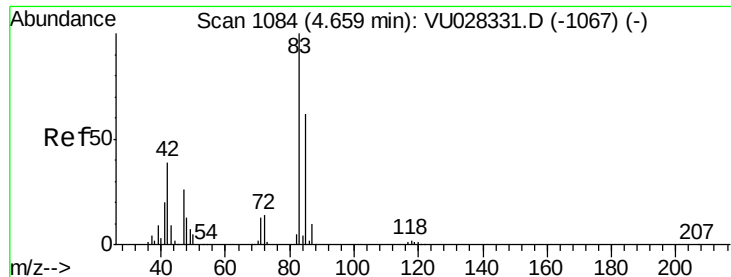
Tgt Ion:	41	Resp:	7141
Ion	Ratio	Lower	Upper
41	100		
67	52.6	48.2	72.4
39	55.5	42.9	64.3
52	20.6	21.4	32.0#



#40
Methyl acrylate
Concen: 0.994 ug/l
RT: 4.43 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

Tgt Ion:	55	Resp:	9543
Ion	Ratio	Lower	Upper
55	100		
85	9.3	10.9	16.3#
58	7.8	6.4	9.6
42	8.8	7.5	11.3





#41

Tetrahydrofuran

Concen: 1.844 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

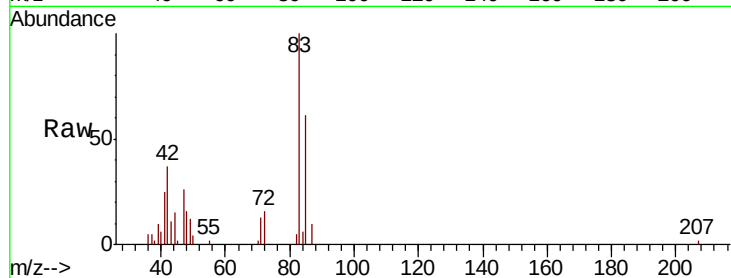
Tgt Ion: 42 Resp: 6469

Ion Ratio Lower Upper

42 100

72 40.7 29.8 44.6

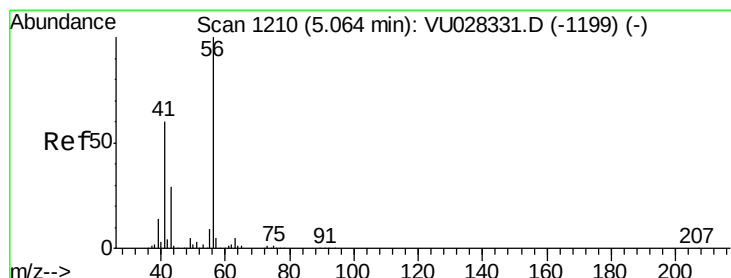
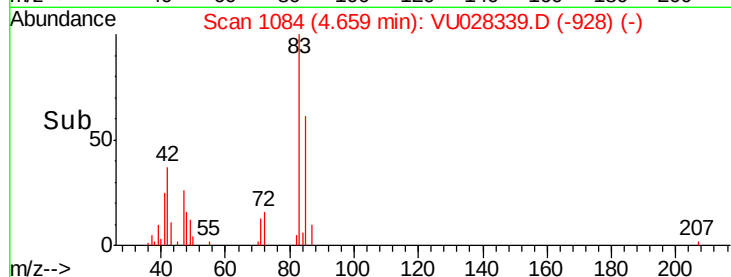
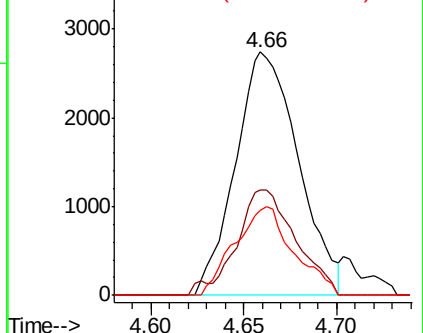
71 34.0 25.9 38.9



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: 1.014 ug/l

RT: 5.06 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VU028339.D

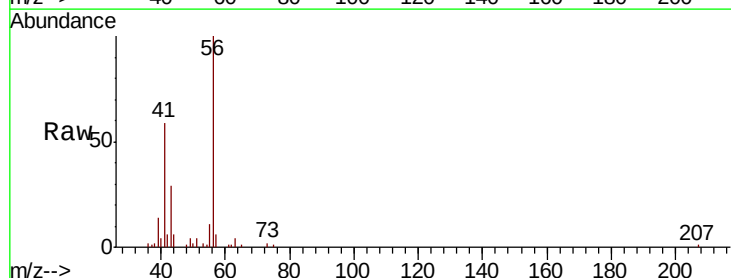
Acq: 26 Nov 2018 15:21

Tgt Ion: 56 Resp: 34151

Ion Ratio Lower Upper

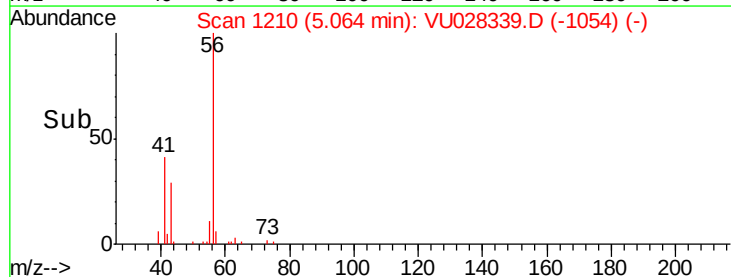
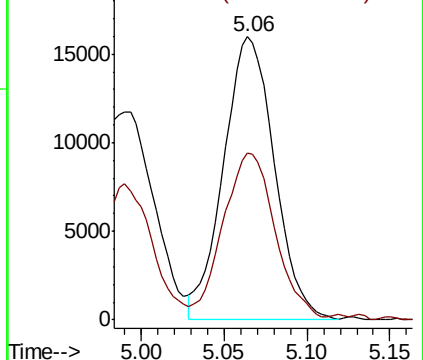
56 100

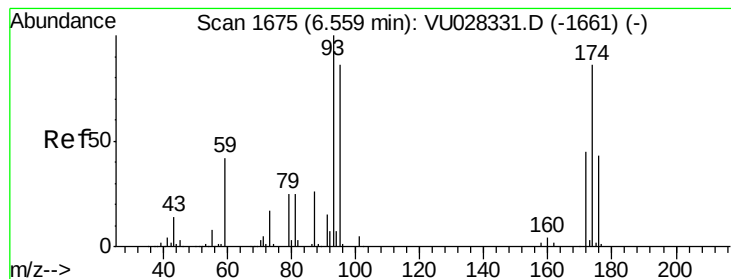
41 58.6 29.8 89.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 1.010 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

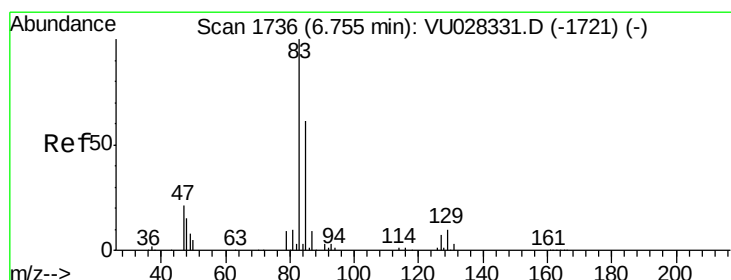
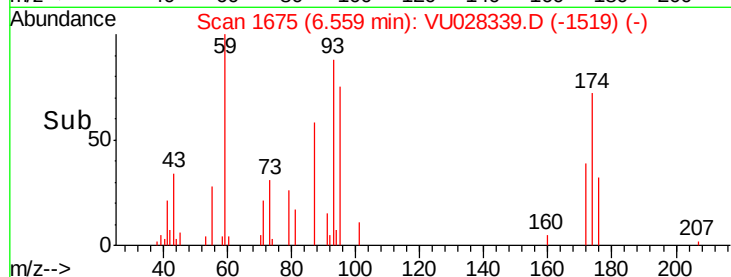
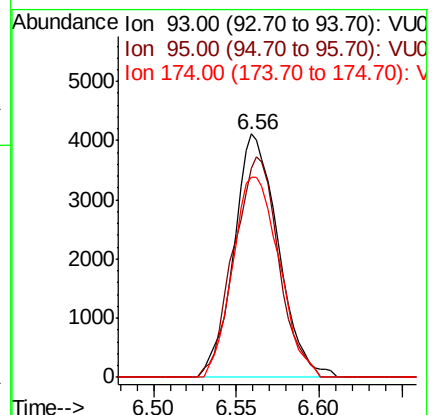
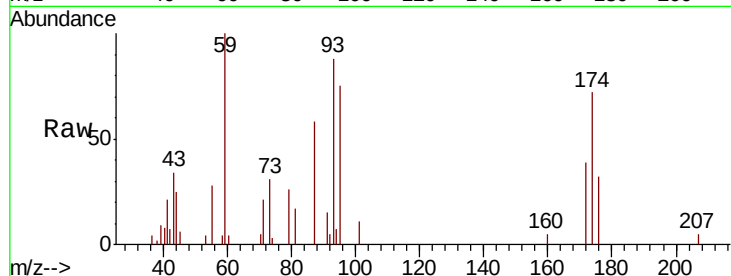
Tgt Ion: 93 Resp: 7654

Ion Ratio Lower Upper

93 100

95 91.5 66.6 99.8

174 86.5 69.4 104.2



#44

Bromodichloromethane

Concen: 1.027 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

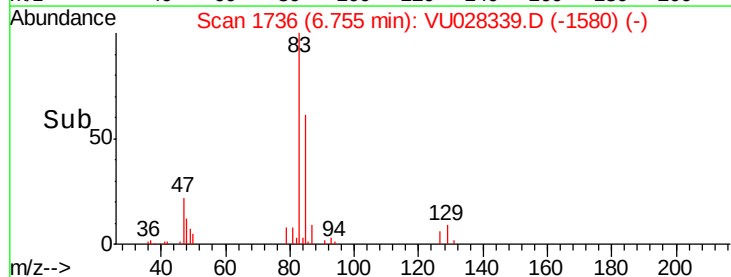
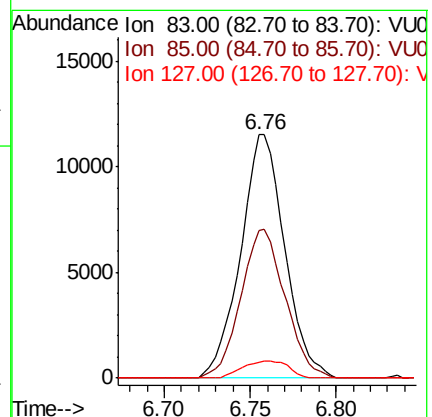
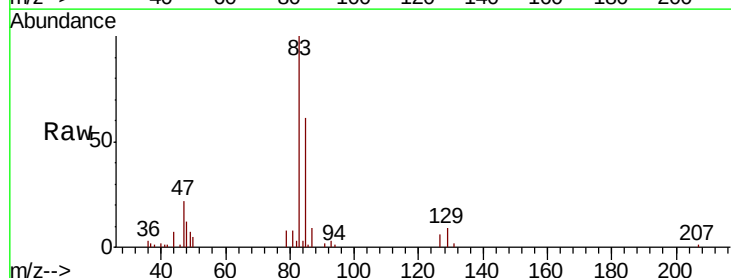
Tgt Ion: 83 Resp: 20552

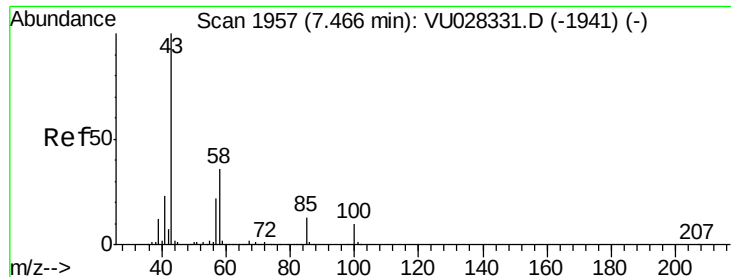
Ion Ratio Lower Upper

83 100

85 60.8 49.0 73.6

127 6.4 5.7 8.5

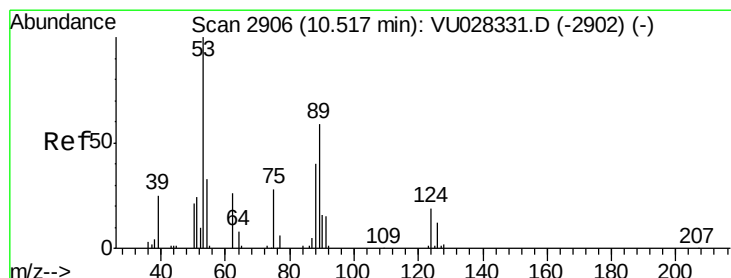
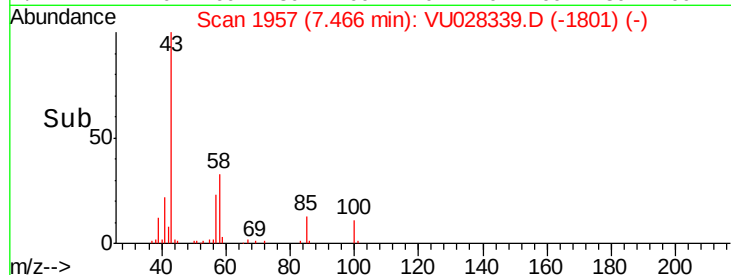
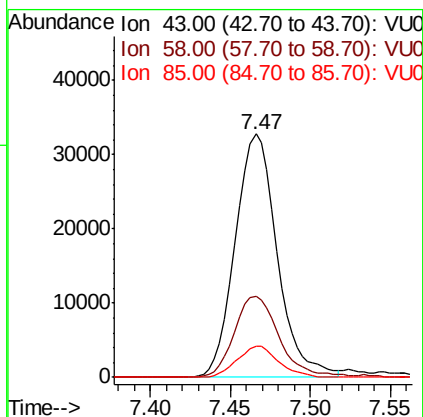
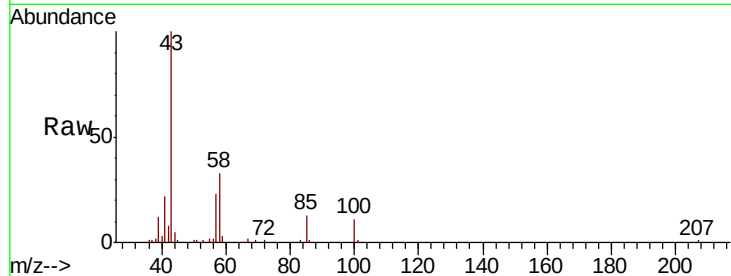




#45
 4-Methyl-2-Pentanone
 Concen: 4.828 ug/l
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

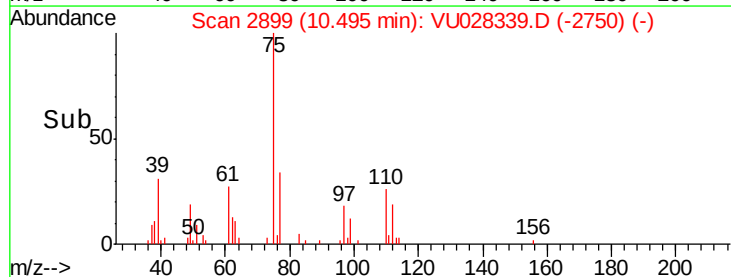
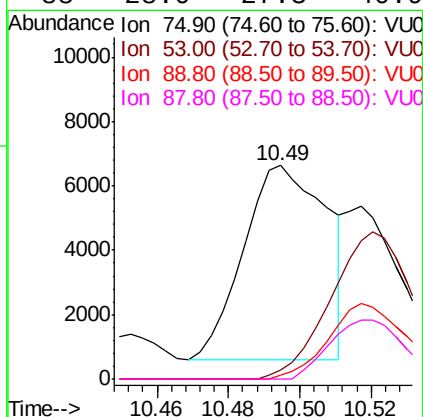
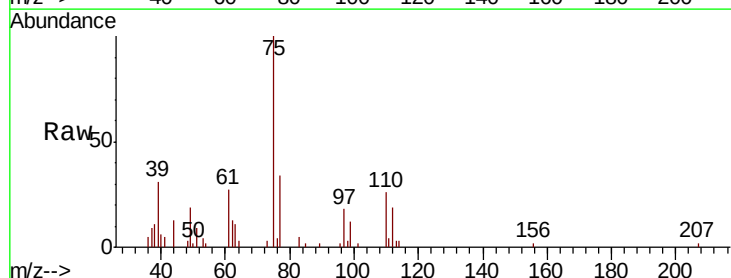
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

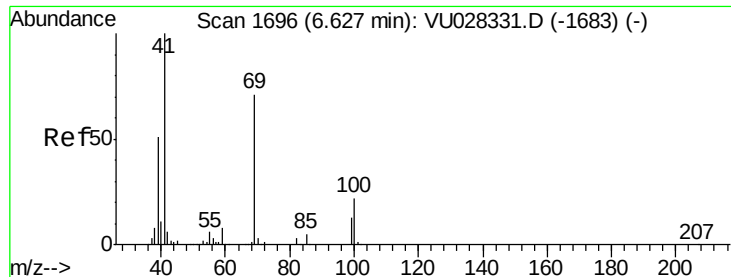
Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.6	17.9	53.7
85	12.5	10.8	16.2



#46
 t-1,4-Dichloro-2-butene
 Concen: 2.202 ug/l
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.02 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

Tgt Ion	Ratio	Lower	Upper
75	100		
53	75.4	65.0	97.6
89	37.5	38.6	58.0#
88	28.0	27.3	40.9

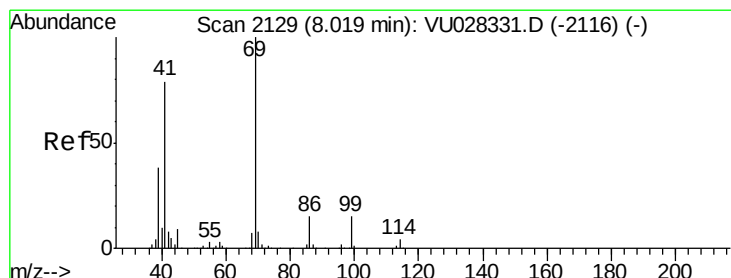
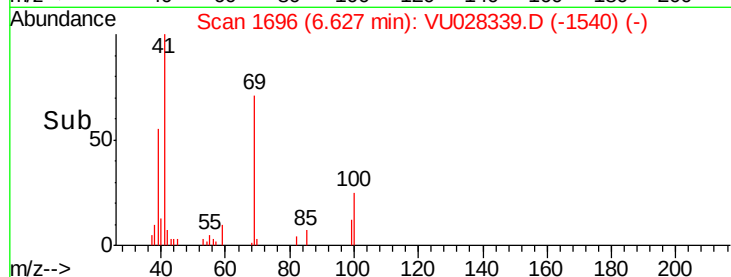
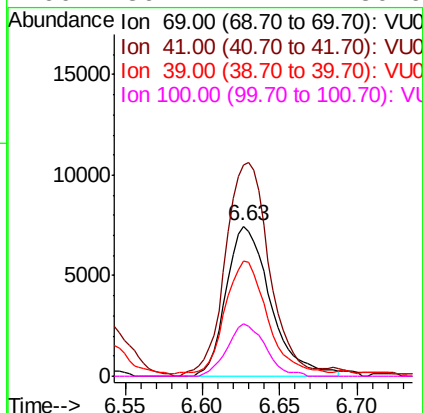
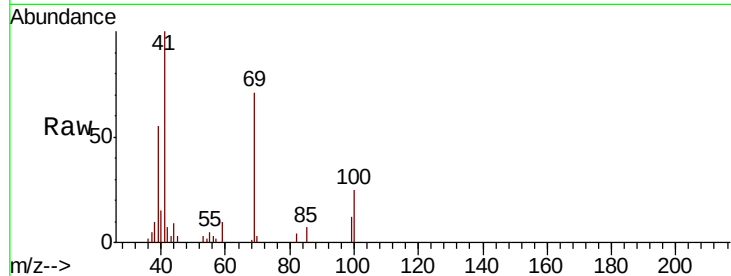




#47
Methyl methacrylate
Concen: 1.921 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

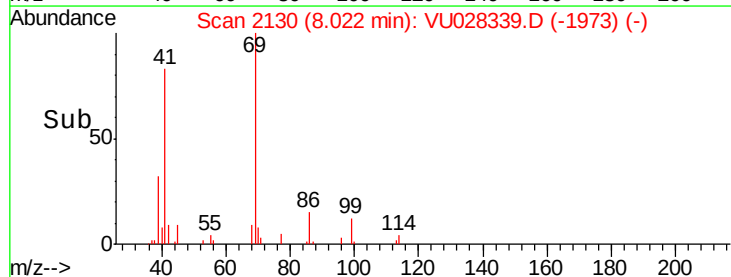
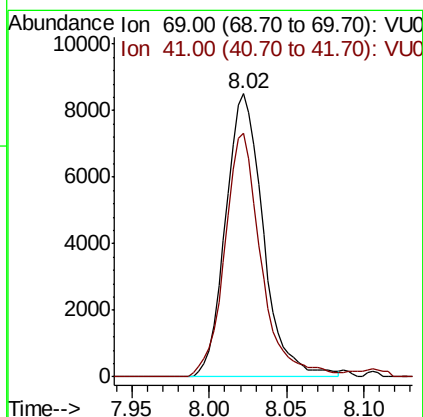
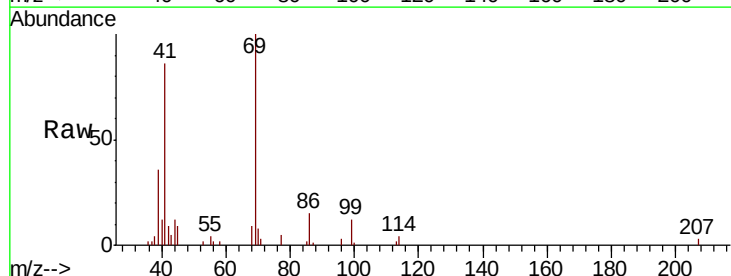
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

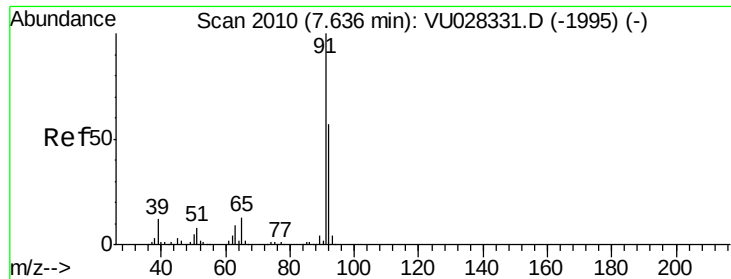
Tgt Ion: 69 Resp: 14854
Ion Ratio Lower Upper
69 100
41 141.4 0.0 277.2
39 69.7 57.6 86.4
100 30.2 24.4 36.6



#48
Ethyl methacrylate
Concen: 0.927 ug/l
RT: 8.02 min Scan# 2130
Delta R.T. 0.00 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

Tgt Ion: 69 Resp: 14344
Ion Ratio Lower Upper
69 100
41 83.0 39.4 118.2





#49

Toluene

Concen: 0.971 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

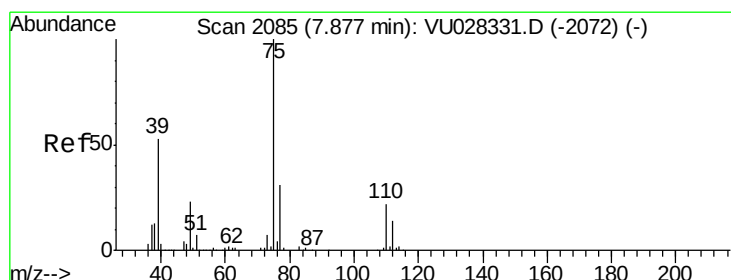
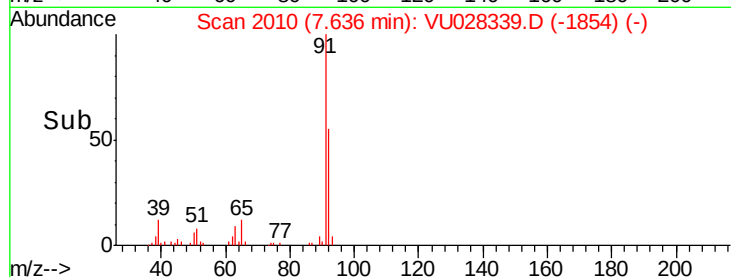
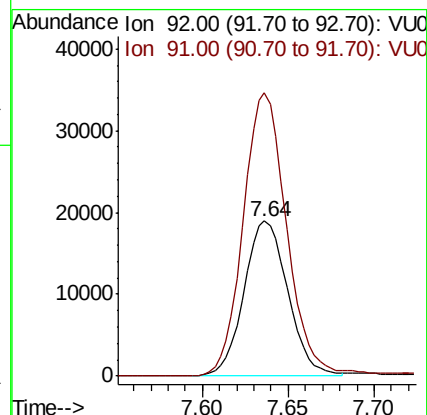
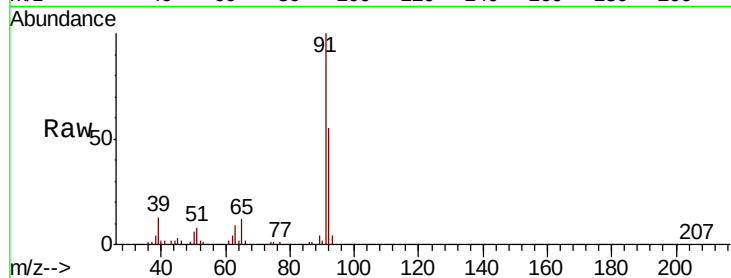
LOQ-WATER-02-QT4-2018

Tgt Ion: 92 Resp: 33634

Ion Ratio Lower Upper

92 100

91 182.4 141.5 212.3



#50

t-1,3-Dichloropropene

Concen: 0.913 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028339.D

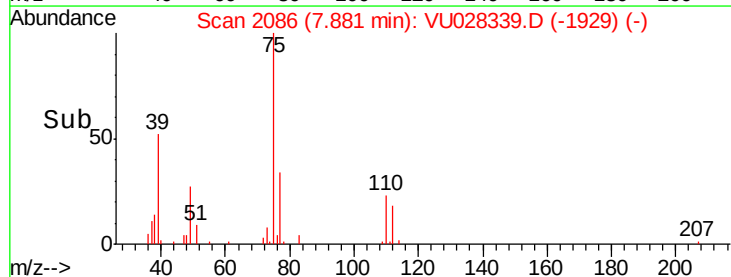
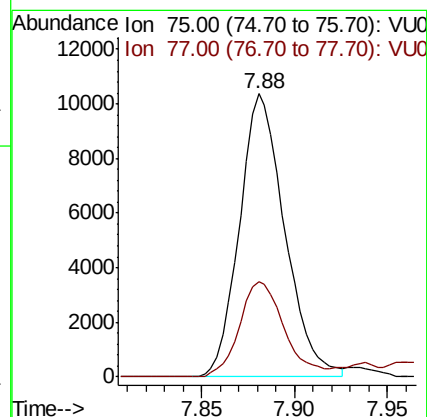
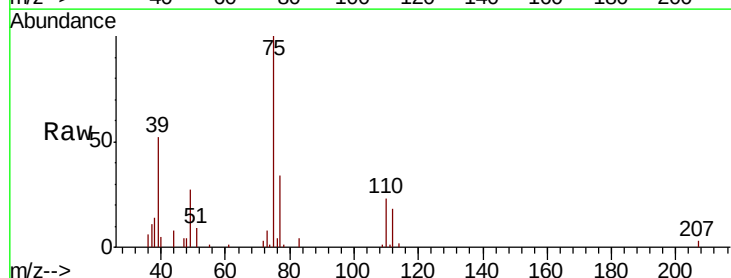
Acq: 26 Nov 2018 15:21

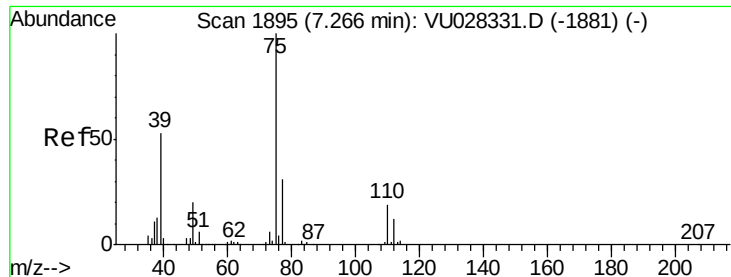
Tgt Ion: 75 Resp: 17540

Ion Ratio Lower Upper

75 100

77 33.7 24.7 37.1

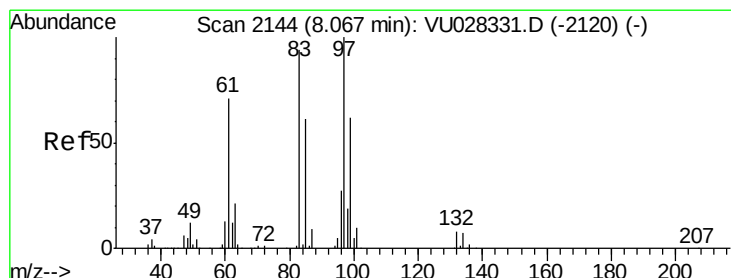
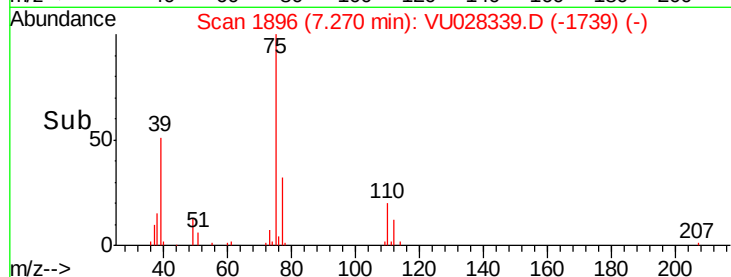
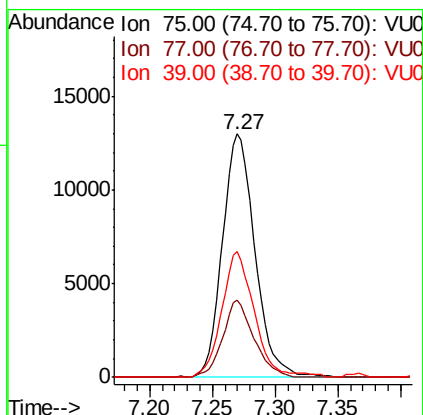
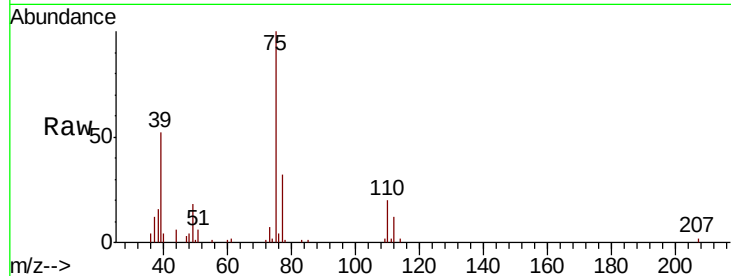




#51
 cis-1,3-Dichloropropene
 Concen: 0.984 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

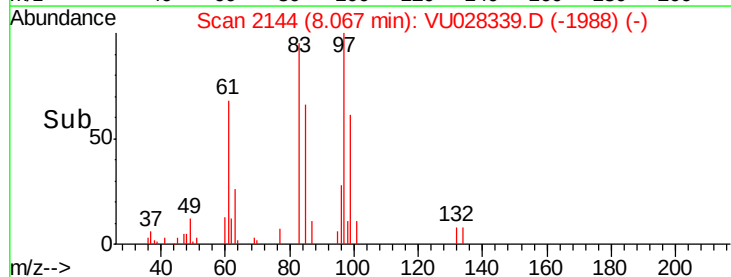
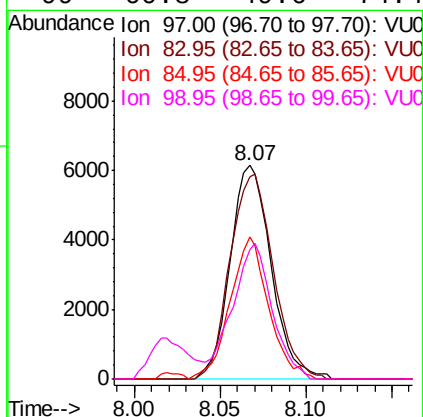
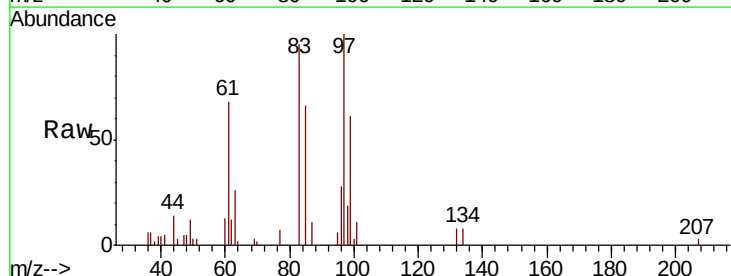
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

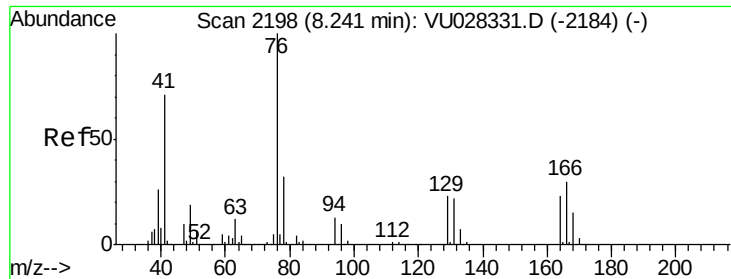
Tgt Ion: 75 Resp: 23342
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.4 36.6
 39 51.9 42.8 64.2



#52
 1,1,2-Trichloroethane
 Concen: 0.958 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

Tgt Ion: 97 Resp: 10186
 Ion Ratio Lower Upper
 97 100
 83 94.8 75.1 112.7
 85 66.3 48.7 73.1
 99 60.8 49.6 74.4

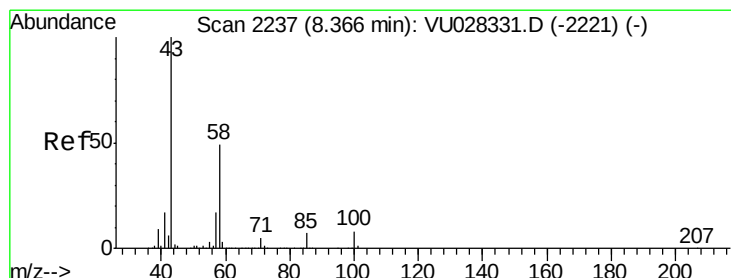
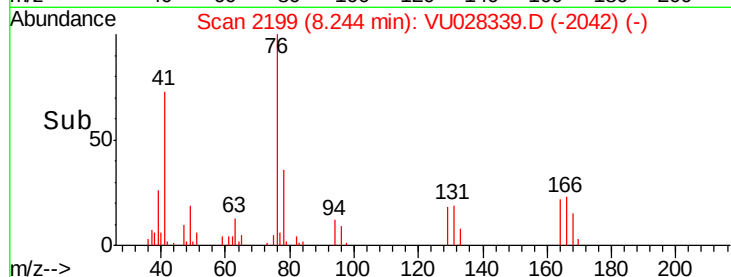
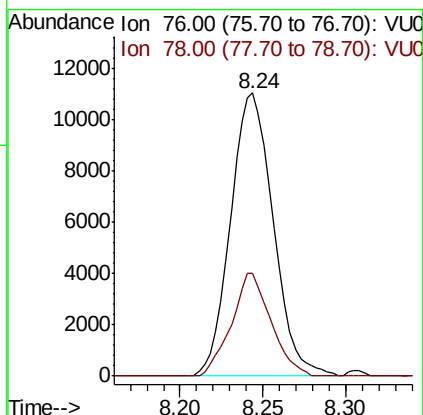
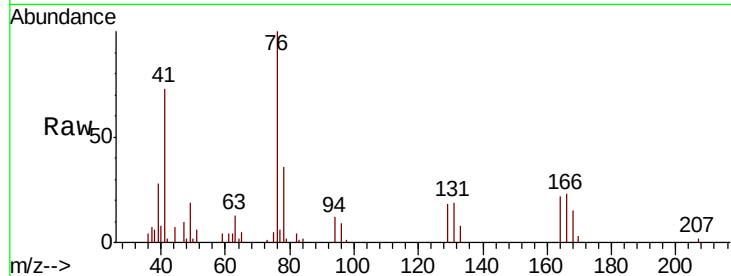




#53
 1,3-Dichloropropane
 Concen: 0.994 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

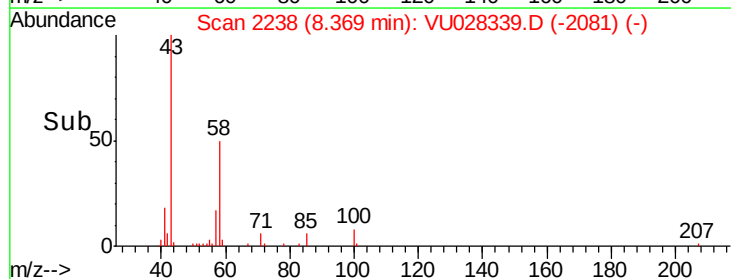
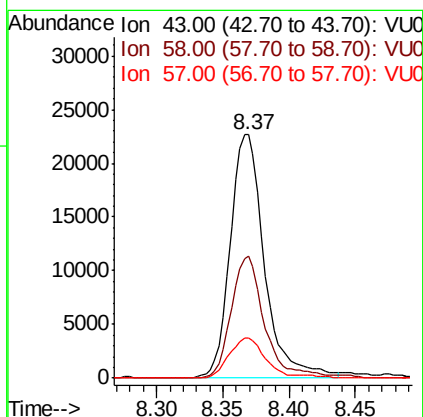
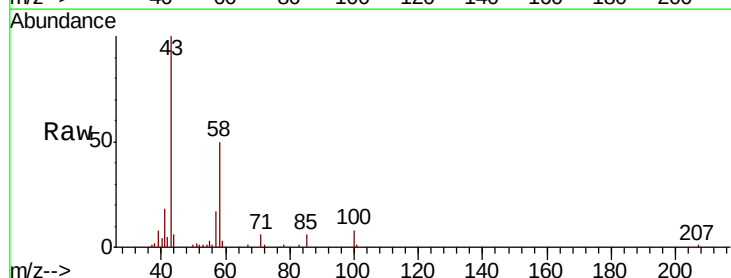
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

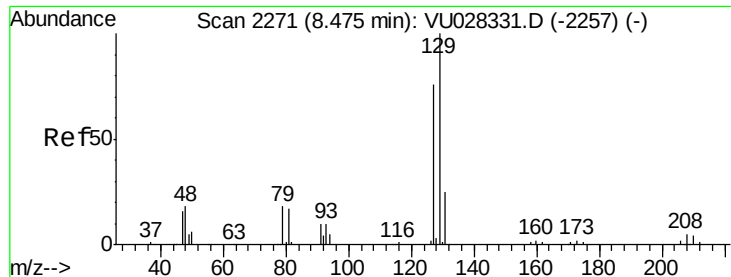
Tgt Ion: 76 Resp: 19752
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.4 38.0



#54
 2-Hexanone
 Concen: 4.662 ug/l
 RT: 8.37 min Scan# 2238
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

Tgt Ion: 43 Resp: 40805
 Ion Ratio Lower Upper
 43 100
 58 49.0 29.3 69.3
 57 17.2 0.0 36.8





#55

Dibromochloromethane

Concen: 0.959 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

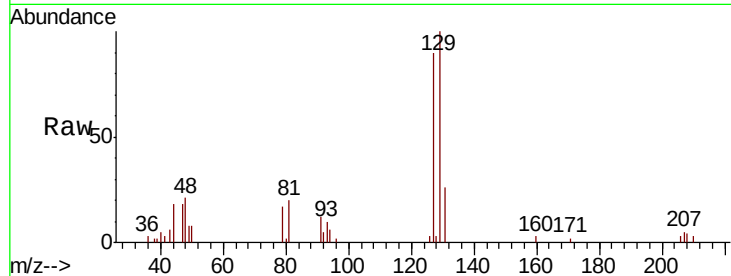
LOQ-WATER-02-QT4-2018

Tgt Ion:129 Resp: 10854

Ion Ratio Lower Upper

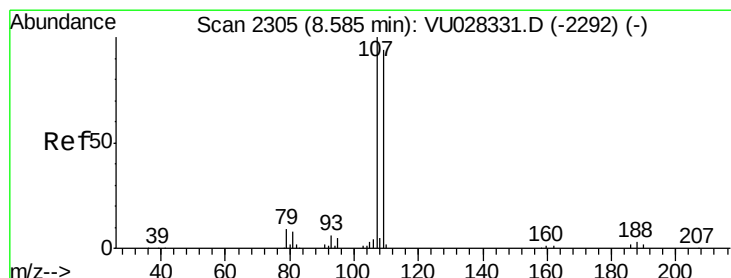
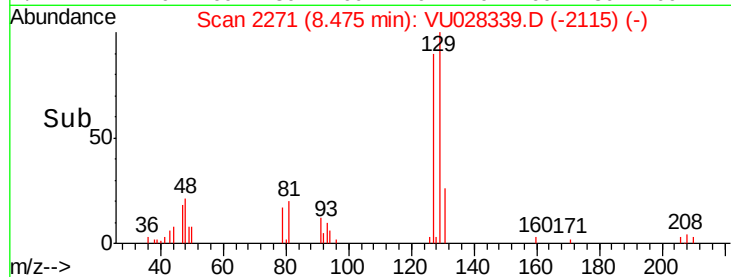
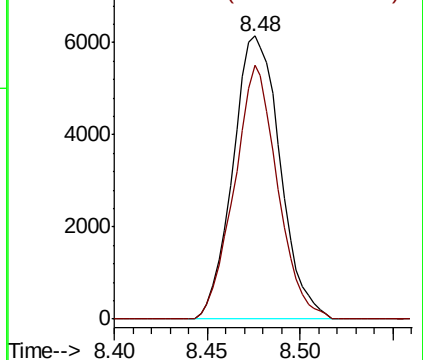
129 100

127 82.1 61.0 91.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.965 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028339.D

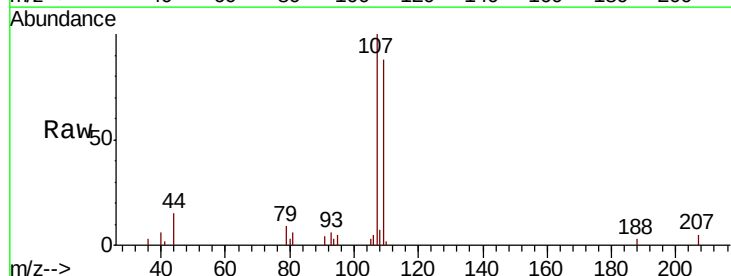
Acq: 26 Nov 2018 15:21

Tgt Ion:107 Resp: 9352

Ion Ratio Lower Upper

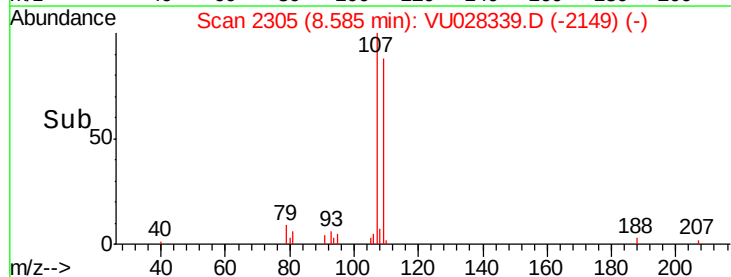
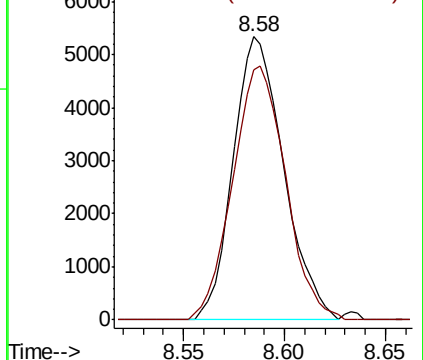
107 100

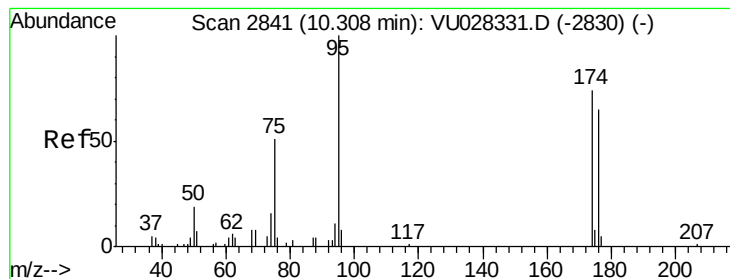
109 93.9 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.965 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

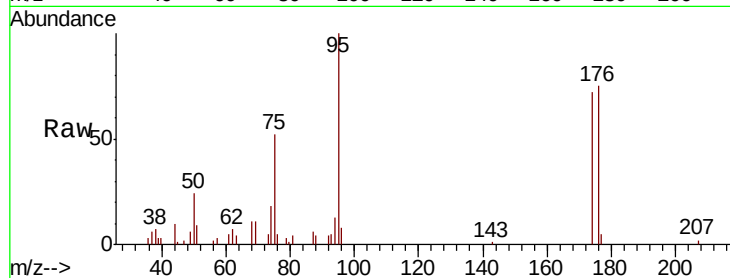
Tgt Ion: 95 Resp: 17090

Ion Ratio Lower Upper

95 100

174 73.7 59.3 88.9

176 69.1 54.3 81.5

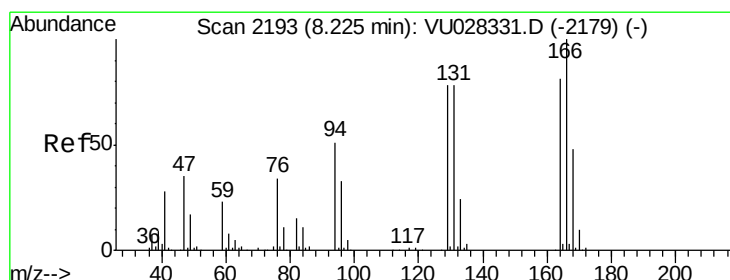
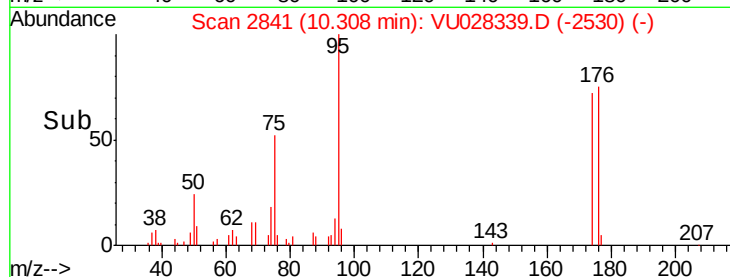
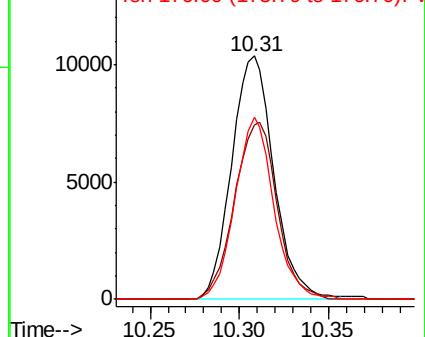


Abundance

Ion 95.00 (94.70 to 95.70): V

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#58

Tetrachloroethene

Concen: 1.076 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Tgt Ion: 164 Resp: 13396

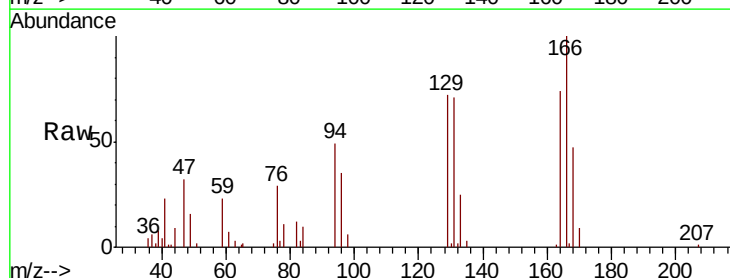
Ion Ratio Lower Upper

164 100

166 134.4 98.6 148.0

129 97.2 77.0 115.4

131 95.1 77.0 115.4



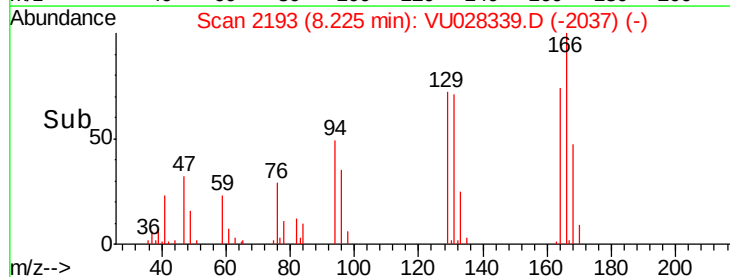
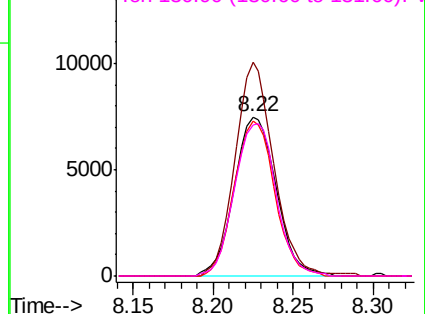
Abundance

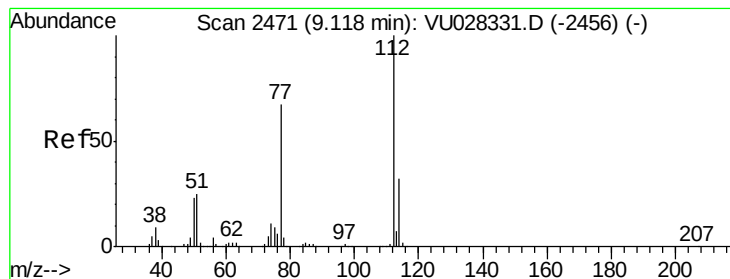
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#59

Chlorobenzene

Concen: 0.959 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

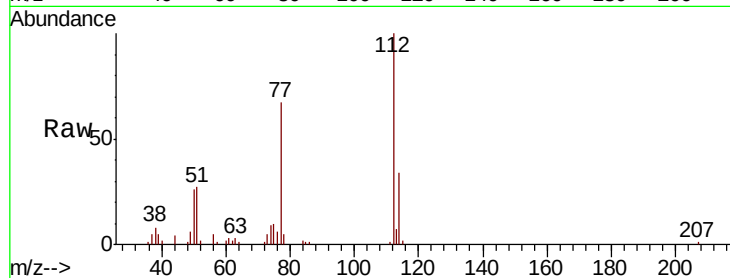
LOQ-WATER-02-QT4-2018

Tgt Ion:112 Resp: 34594

Ion Ratio Lower Upper

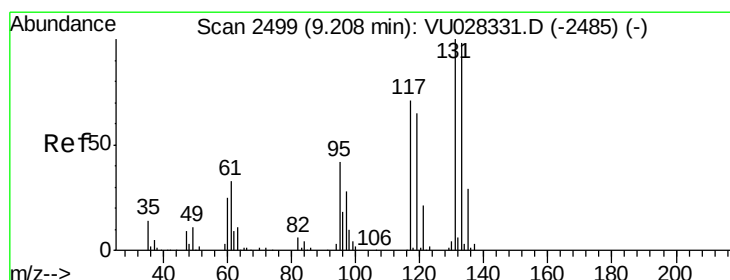
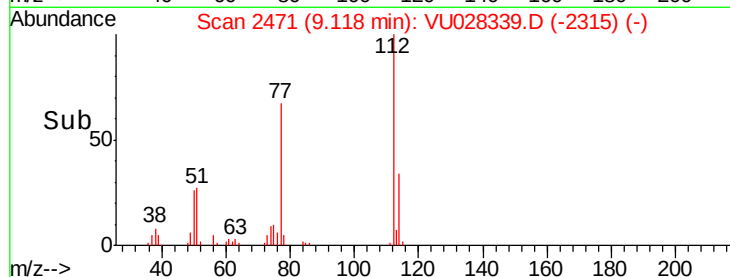
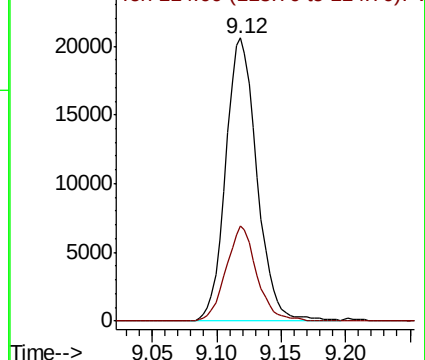
112 100

114 33.6 25.2 37.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 0.931 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

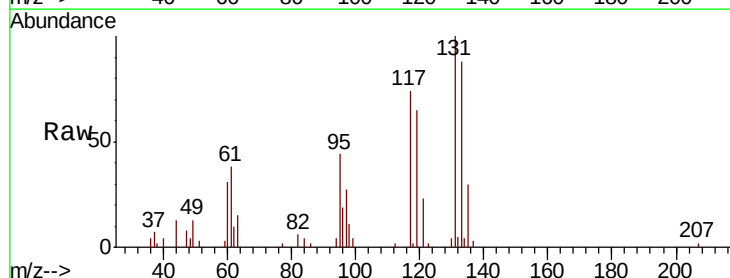
Tgt Ion:131 Resp: 11377

Ion Ratio Lower Upper

131 100

133 94.0 77.7 116.5

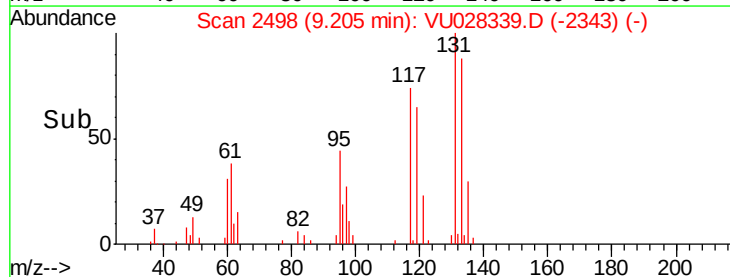
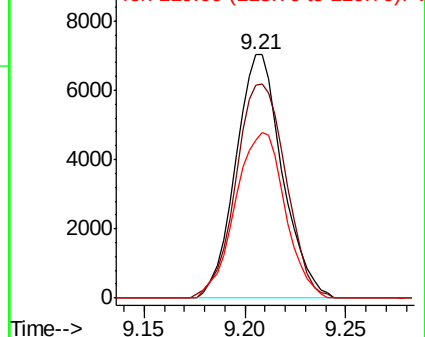
119 72.2 54.3 81.5

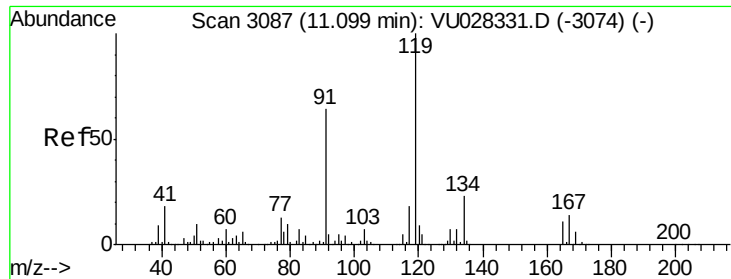


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

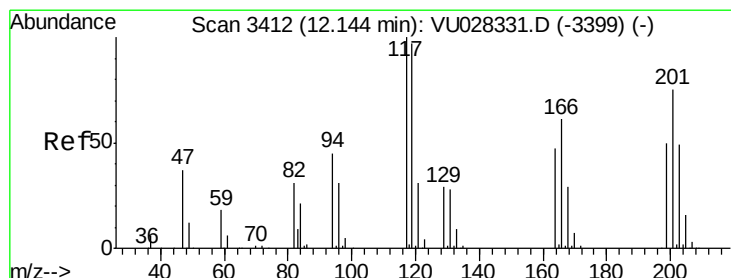
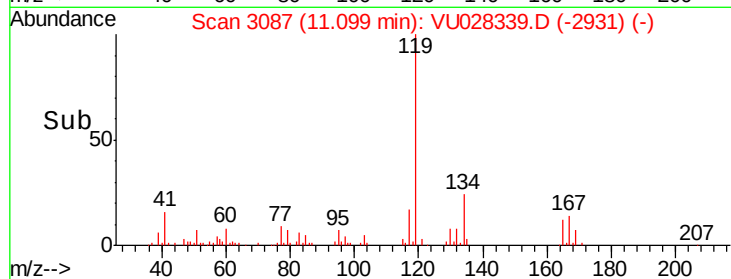
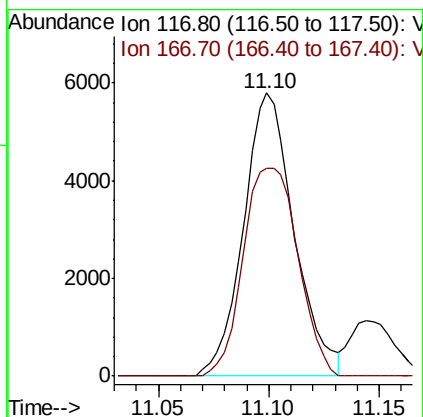
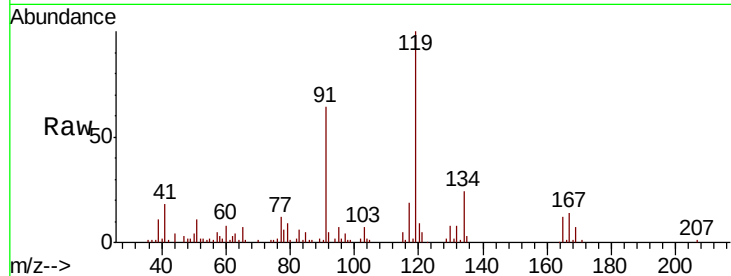




#61
 Pentachloroethane
 Concen: 0.974 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

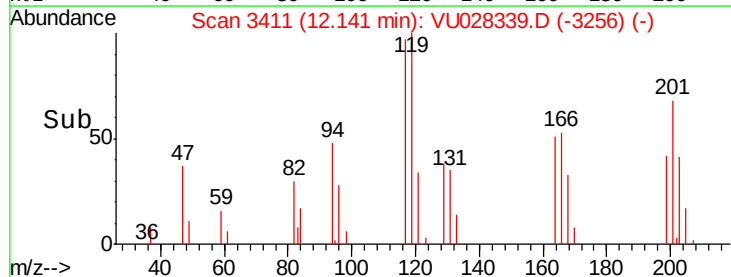
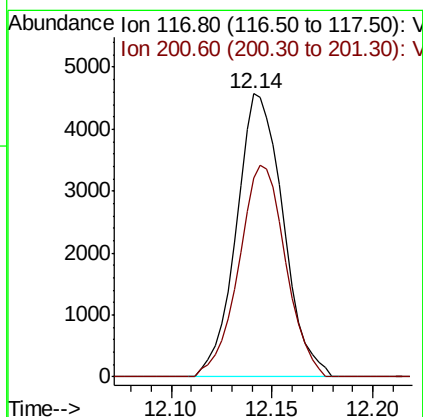
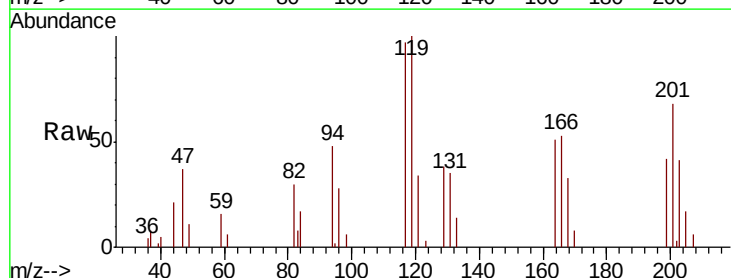
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

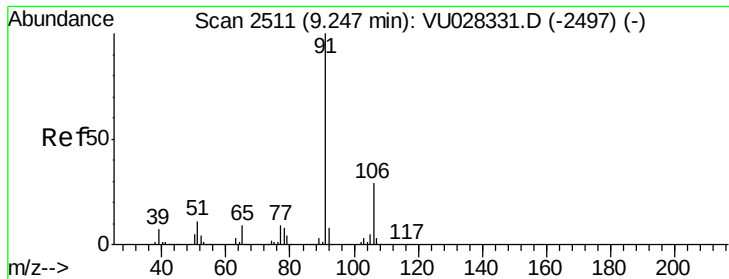
Tgt Ion:117 Resp: 9258
 Ion Ratio Lower Upper
 117 100
 167 79.7 64.2 96.2



#62
 Hexachloroethane
 Concen: 0.832 ug/l
 RT: 12.14 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

Tgt Ion:117 Resp: 7413
 Ion Ratio Lower Upper
 117 100
 201 74.9 59.4 89.2





#63

Ethyl Benzene

Concen: 0.978 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

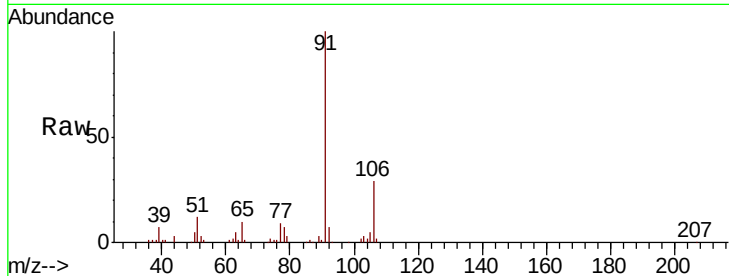
LOQ-WATER-02-QT4-2018

Tgt Ion: 91 Resp: 65105

Ion Ratio Lower Upper

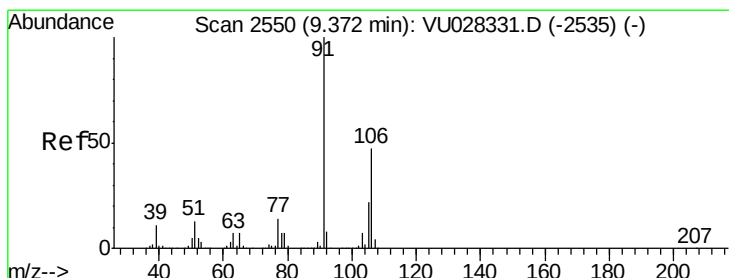
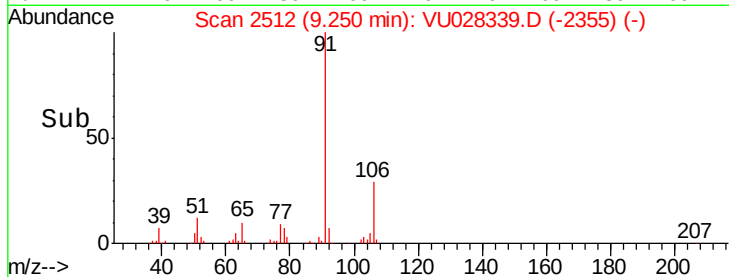
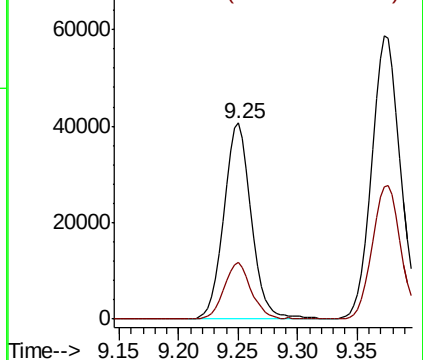
91 100

106 28.9 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#64

m/p-Xylenes

Concen: 1.889 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028339.D

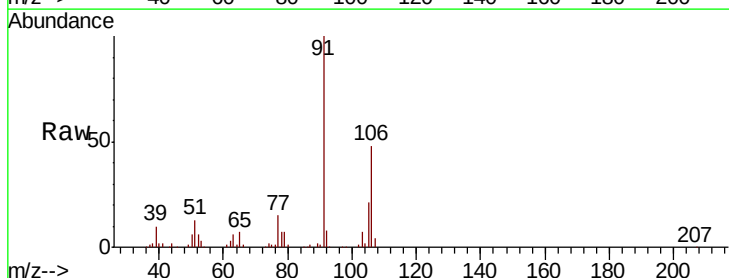
Acq: 26 Nov 2018 15:21

Tgt Ion: 106 Resp: 45481

Ion Ratio Lower Upper

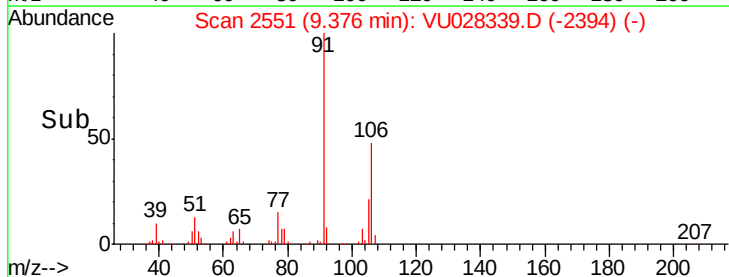
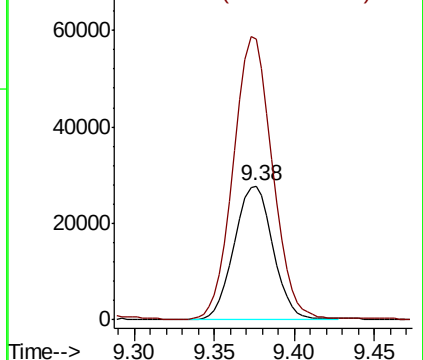
106 100

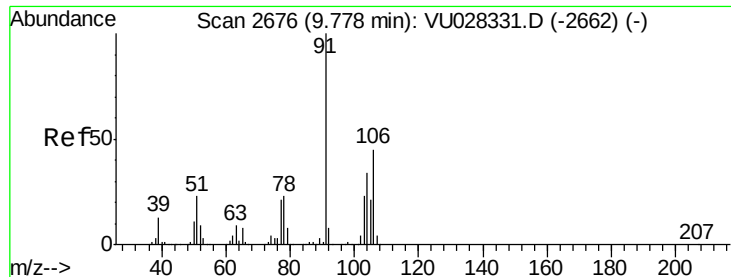
91 213.8 170.6 256.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

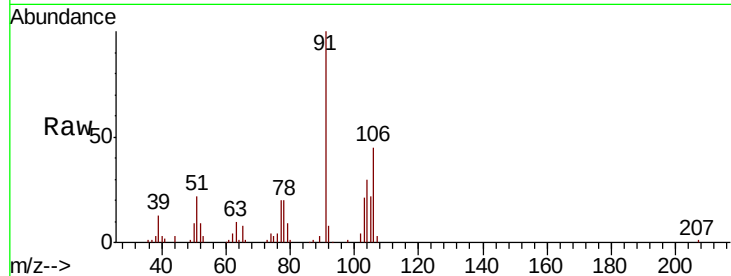




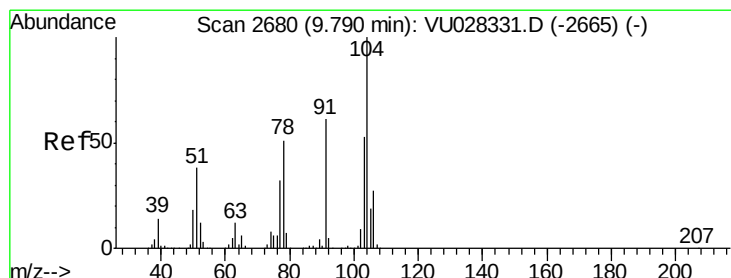
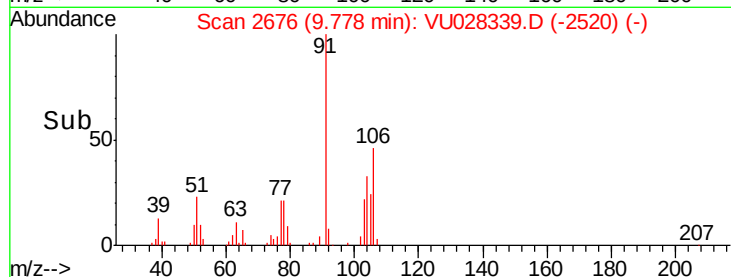
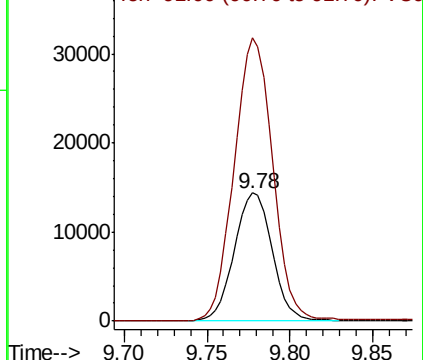
#65
o-Xylene
Concen: 0.987 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:106 Resp: 22928
Ion Ratio Lower Upper
106 100
91 225.1 112.3 337.0

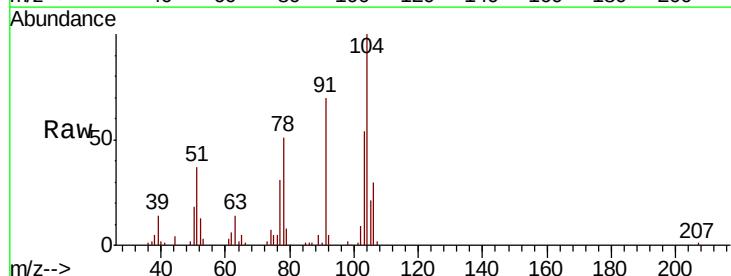


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

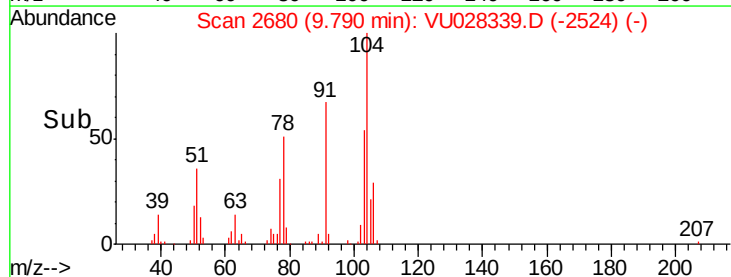
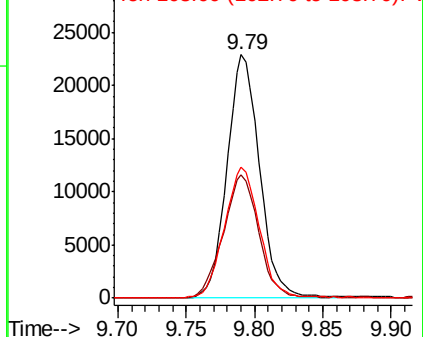


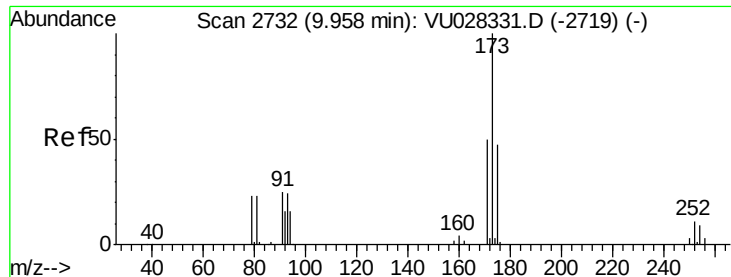
#66
Styrene
Concen: 0.952 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

Tgt Ion:104 Resp: 37962
Ion Ratio Lower Upper
104 100
78 55.0 44.0 66.0
103 57.6 45.2 67.8



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

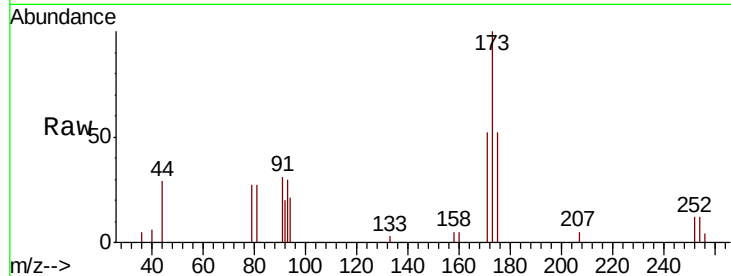




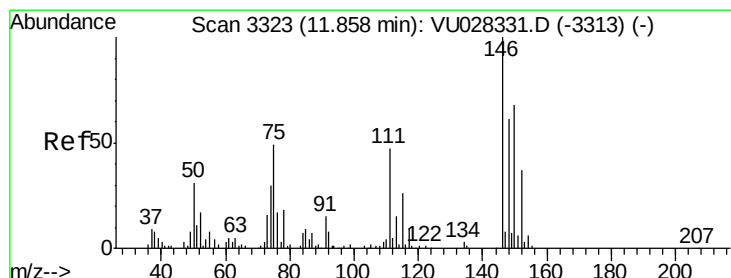
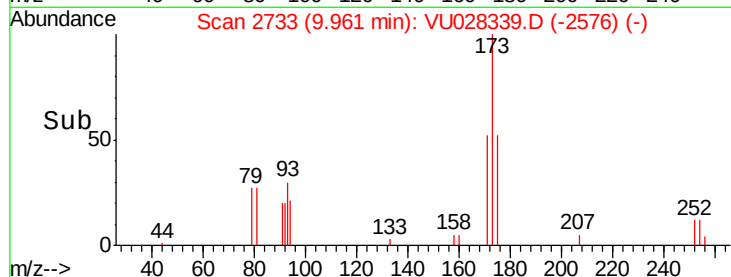
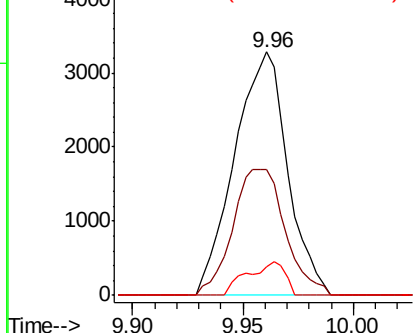
#67
Bromoform
Concen: 0.864 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:173 Resp: 5476
Ion Ratio Lower Upper
173 100
175 51.4 39.0 58.6
254 10.0 6.8 10.2

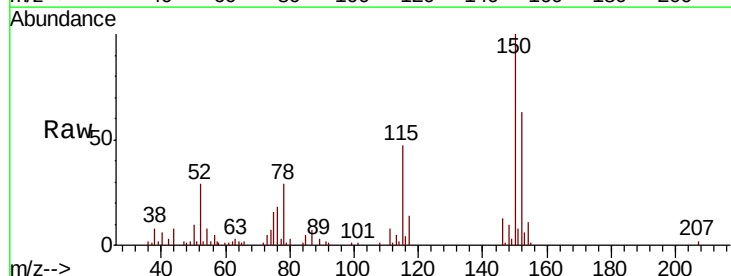


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

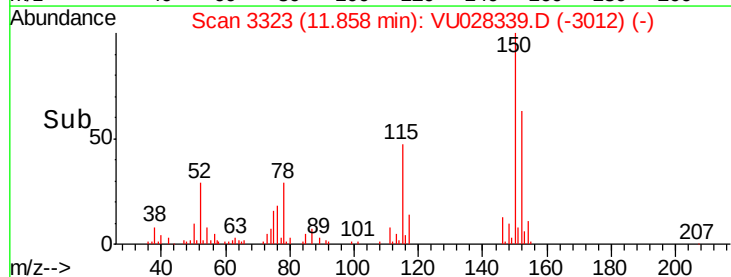
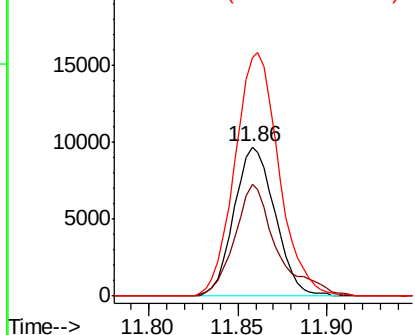


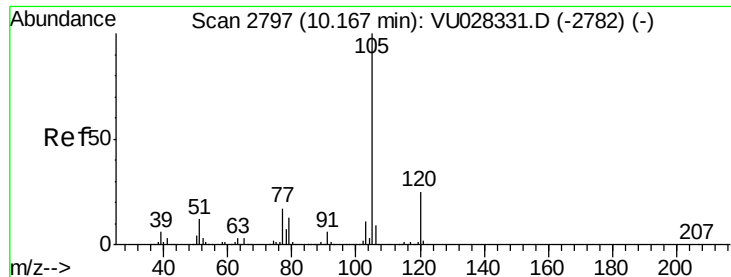
#68
1,2-Dichlorobenzene-d4
Concen: 0.864 ug/l
RT: 11.86 min Scan# 3323
Delta R.T. 0.00 min
Lab File: VU028339.D
Acq: 26 Nov 2018 15:21

Tgt Ion:152 Resp: 15496
Ion Ratio Lower Upper
152 100
115 77.0 0.0 146.8
150 175.1 0.0 653.2



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: 0.943 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

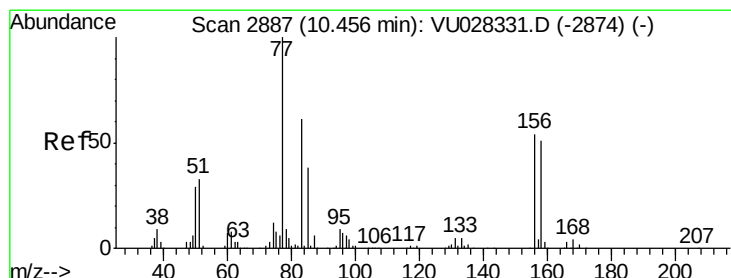
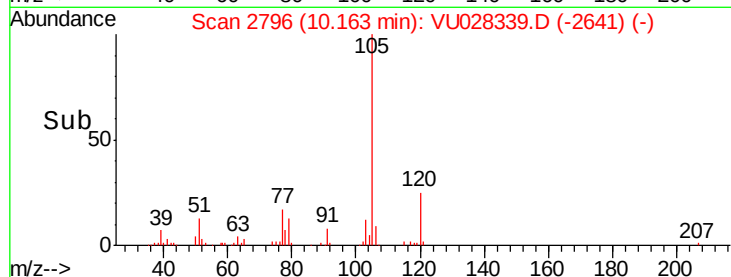
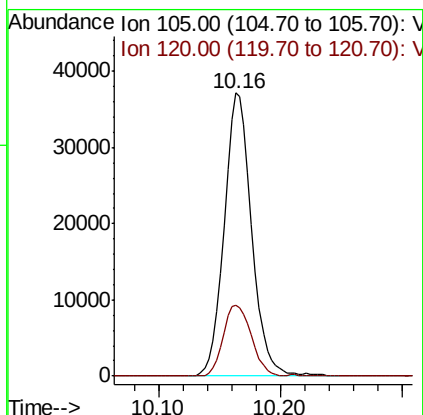
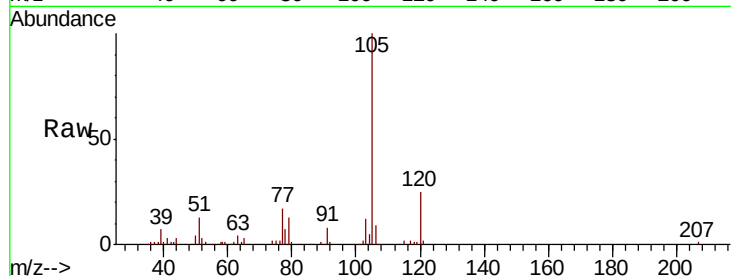
LOQ-WATER-02-QT4-2018

Tgt Ion:105 Resp: 58680

Ion Ratio Lower Upper

105 100

120 25.7 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 0.989 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

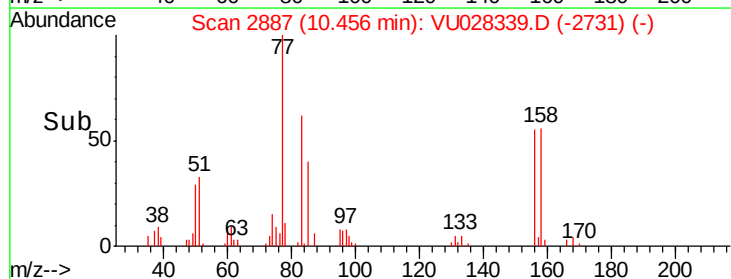
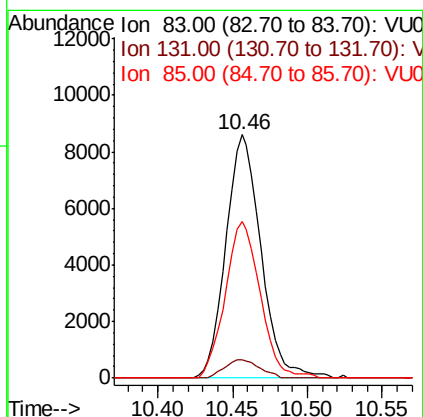
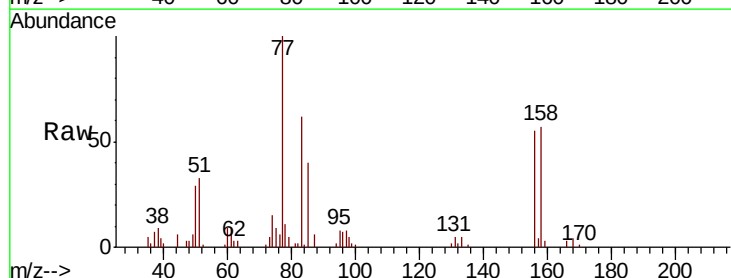
Tgt Ion: 83 Resp: 14107

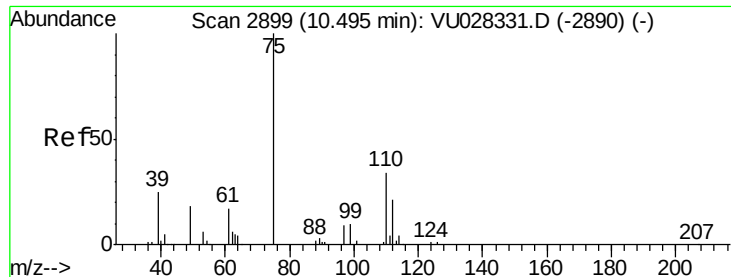
Ion Ratio Lower Upper

83 100

131 7.4 6.6 9.8

85 63.8 50.5 75.7





#71

1,2,3-Trichloropropane

Concen: 0.986 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 75 Resp: 9802

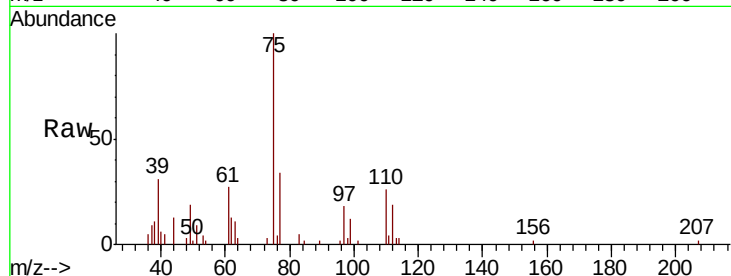
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 29.8 0.0 67.6

97 20.6 0.0 35.8

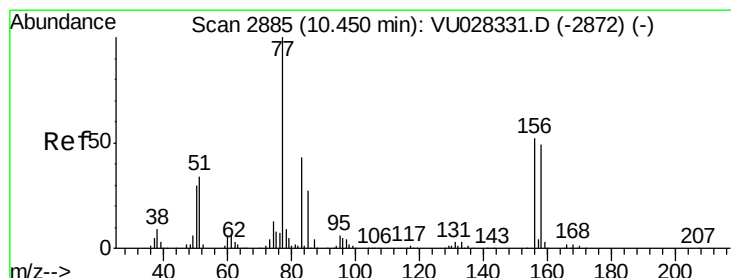
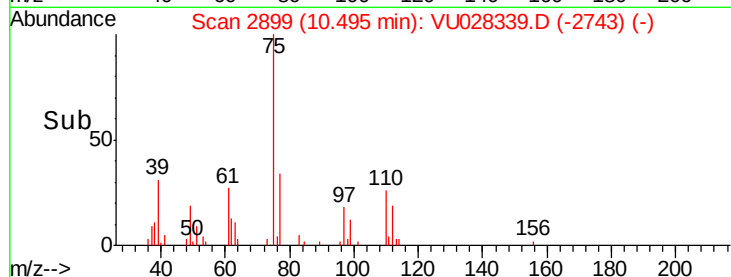
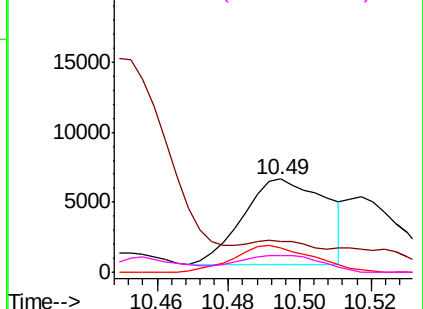


Abundance Ion 75.00 (74.70 to 75.70): VU0

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: 0.984 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

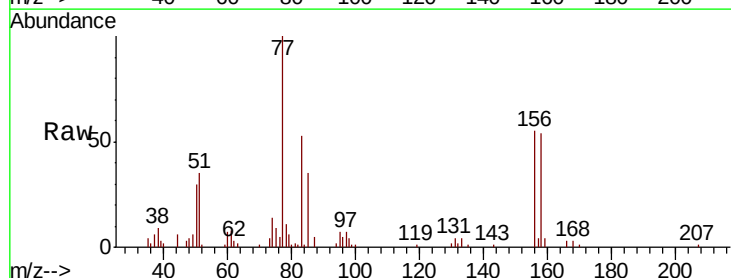
Tgt Ion: 156 Resp: 13591

Ion Ratio Lower Upper

156 100

77 191.2 0.0 380.4

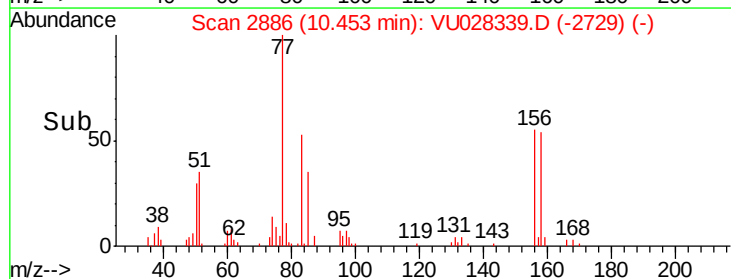
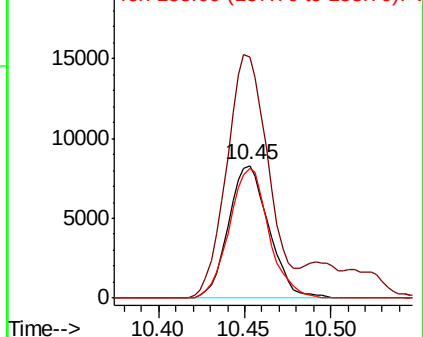
158 95.8 0.0 191.2

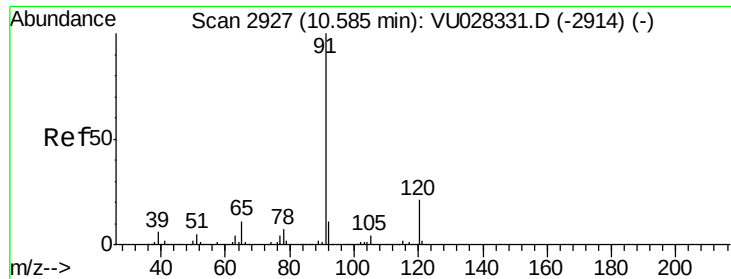


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 1.026 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

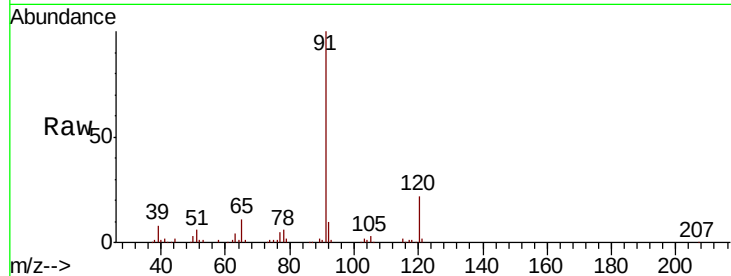
LOQ-WATER-02-QT4-2018

Tgt Ion:120 Resp: 16557

Ion Ratio Lower Upper

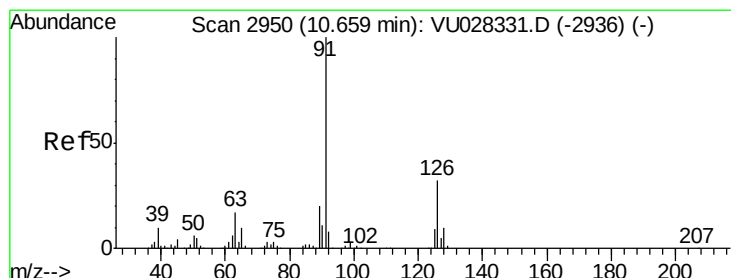
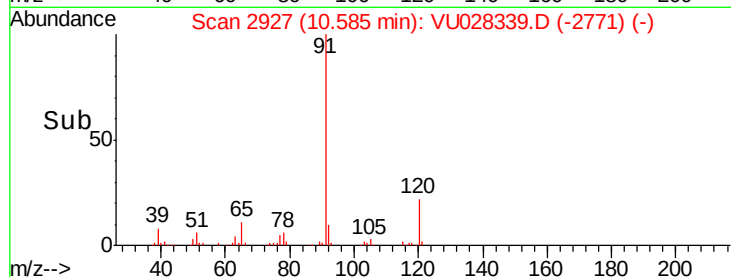
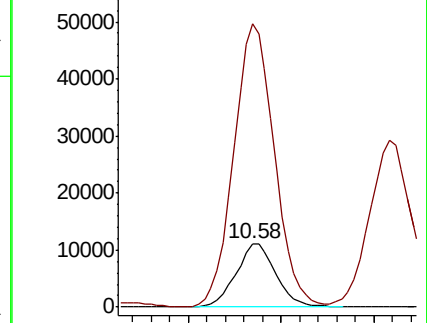
120 100

91 456.2 388.1 582.1



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.983 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU028339.D

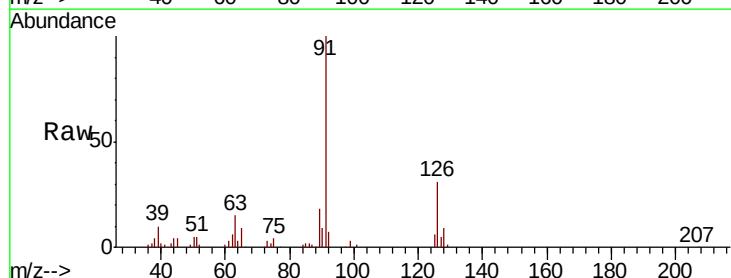
Acq: 26 Nov 2018 15:21

Tgt Ion:126 Resp: 13895

Ion Ratio Lower Upper

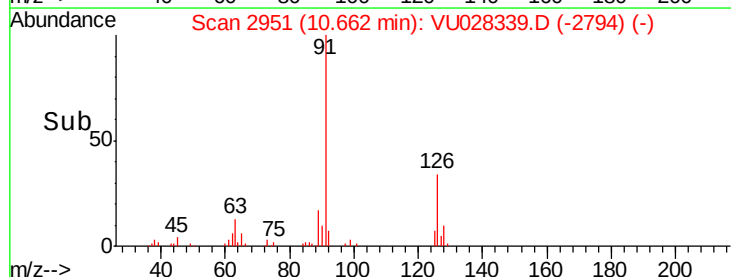
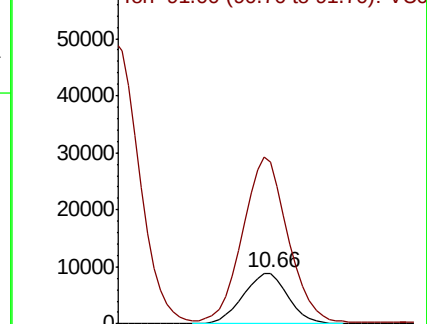
126 100

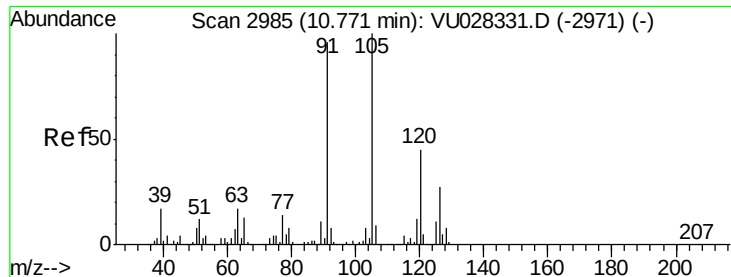
91 328.9 0.0 661.0



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: 0.944 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

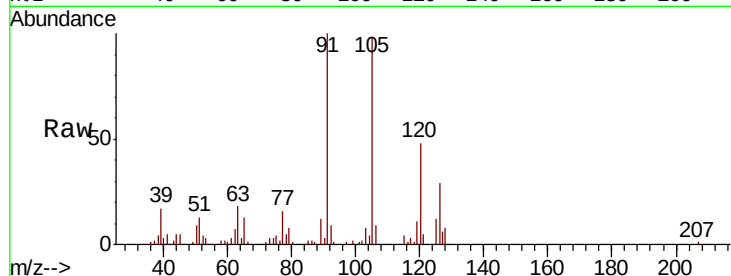
LOQ-WATER-02-QT4-2018

Tgt Ion:105 Resp: 49449

Ion Ratio Lower Upper

105 100

120 46.8 36.3 54.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

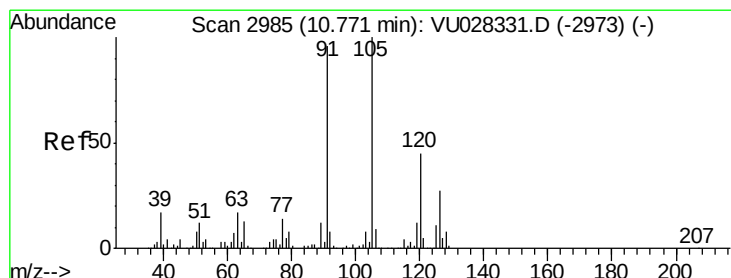
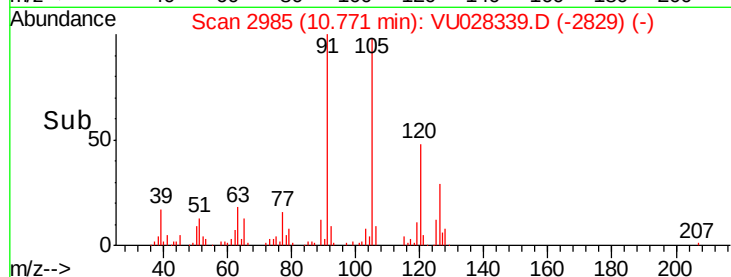
30000

20000

10000

0

Time--> 10.70 10.75 10.80



#76

4-Chlorotoluene

Concen: 0.982 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028339.D

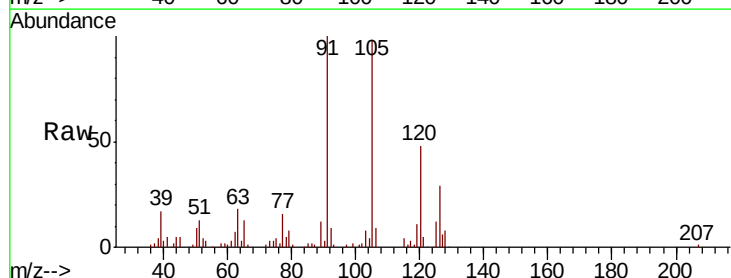
Acq: 26 Nov 2018 15:21

Tgt Ion:126 Resp: 14083

Ion Ratio Lower Upper

126 100

91 368.5 0.0 731.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.77

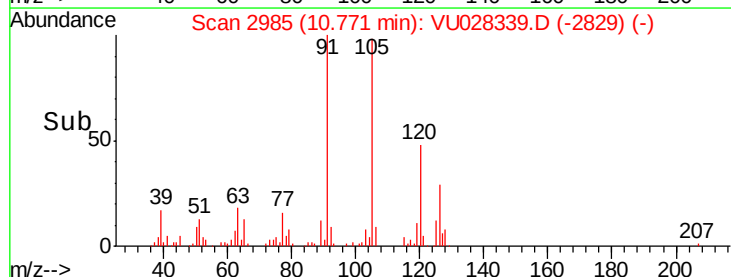
30000

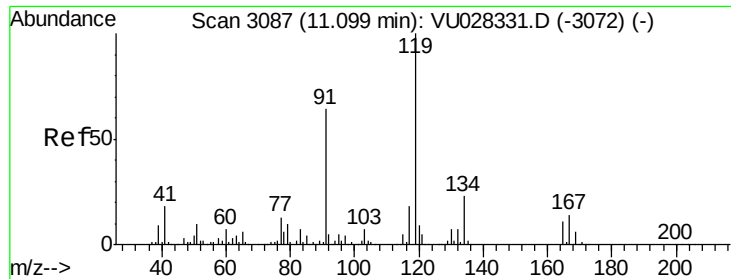
20000

10000

0

Time--> 10.70 10.75 10.80

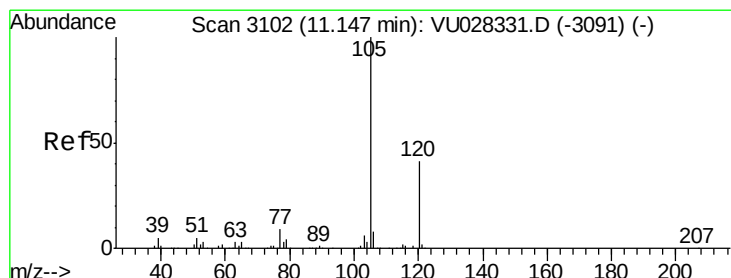
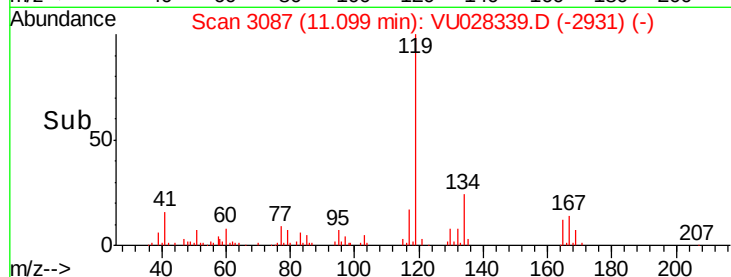
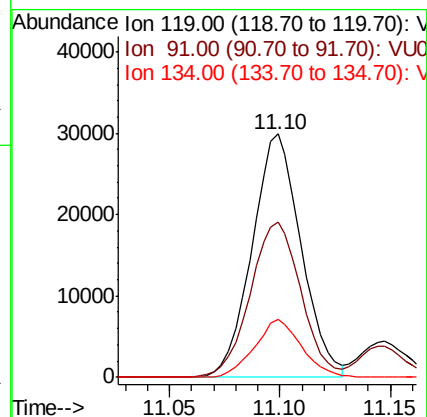
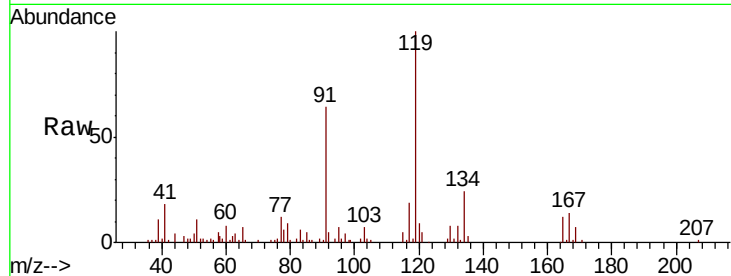




#77
 tert-Butylbenzene
 Concen: 0.932 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

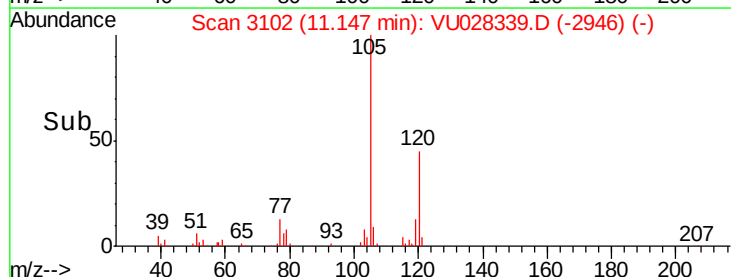
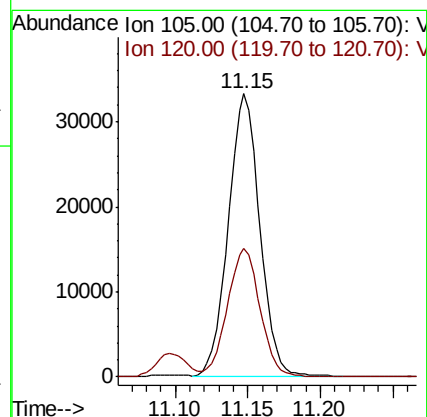
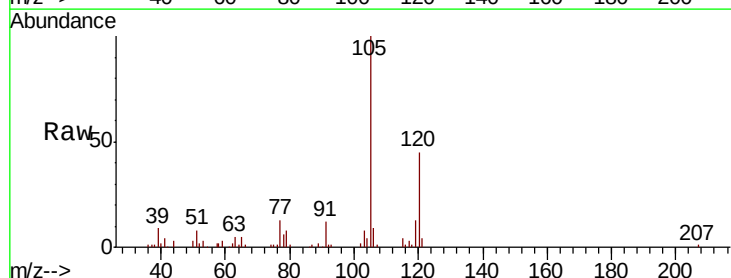
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

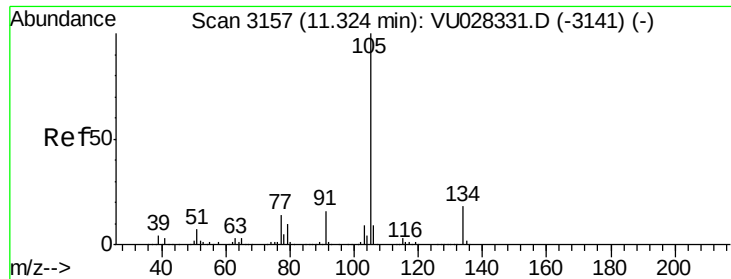
Tgt Ion:119 Resp: 45969
 Ion Ratio Lower Upper
 119 100
 91 66.2 32.0 96.0
 134 22.9 17.9 26.9



#78
 1,2,4-Trimethylbenzene
 Concen: 0.940 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

Tgt Ion:105 Resp: 50419
 Ion Ratio Lower Upper
 105 100
 120 46.7 21.9 65.8





#79

sec-Butylbenzene

Concen: 0.977 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

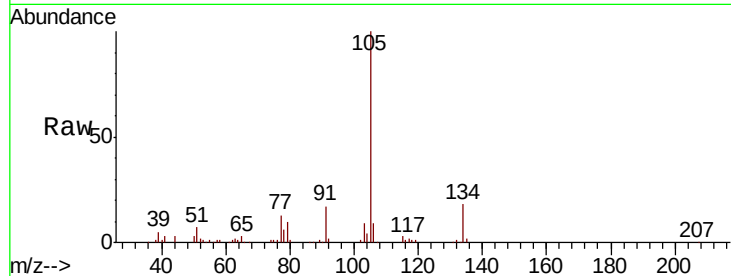
LOQ-WATER-02-QT4-2018

Tgt Ion:105 Resp: 67121

Ion Ratio Lower Upper

105 100

134 17.1 14.6 22.0

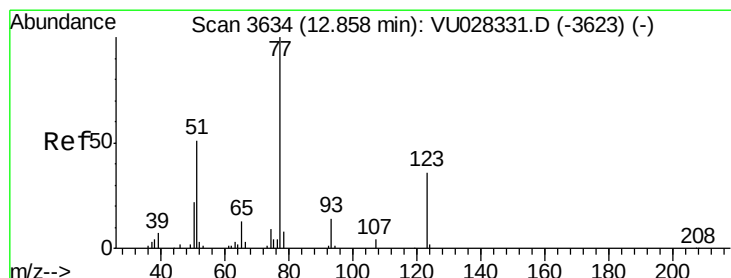
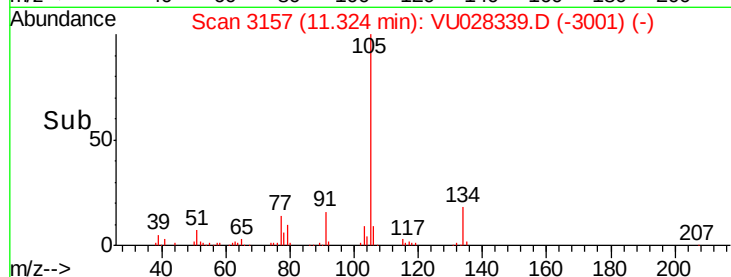


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

Time-->



#80

Nitrobenzene

Concen: 3.781 ug/l

RT: 12.87 min Scan# 3637

Delta R.T. 0.01 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

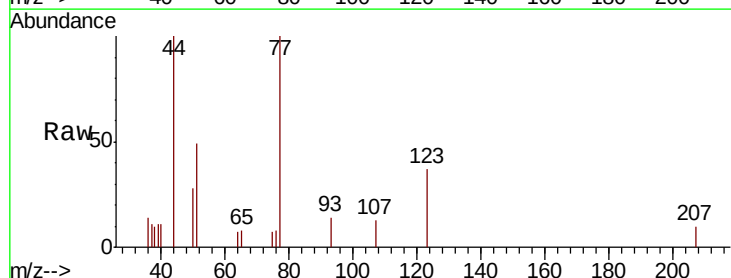
Tgt Ion: 77 Resp: 2430

Ion Ratio Lower Upper

77 100

123 39.9 16.5 58.3

65 8.0 12.1 15.3#



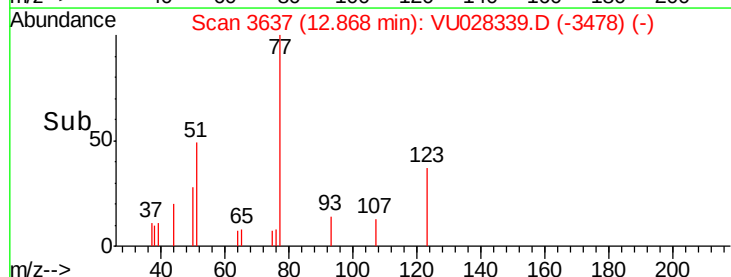
Abundance Ion 77.00 (76.70 to 77.70): VU0

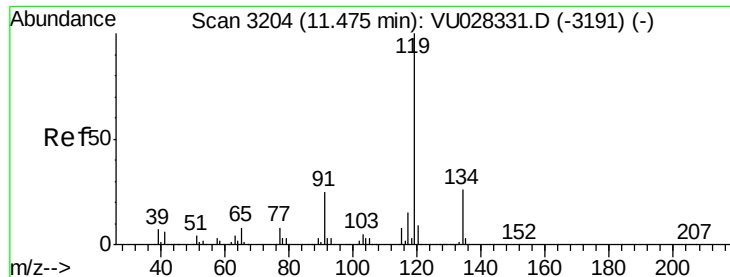
Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

12.87

Time-->

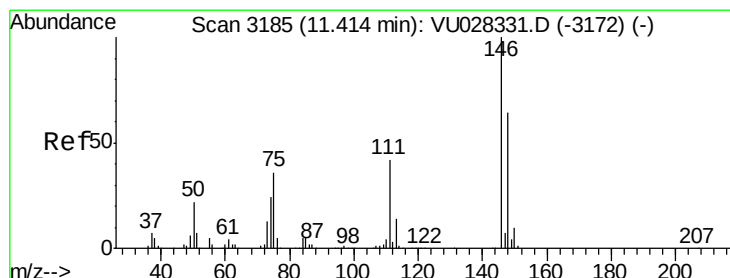
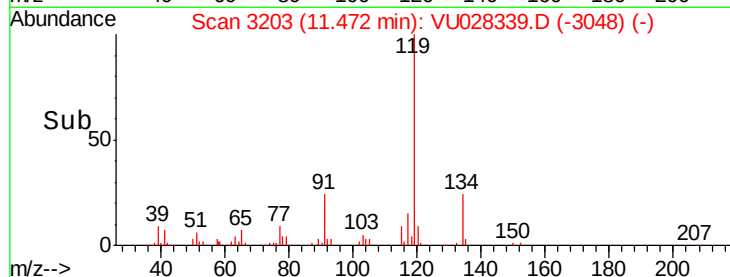
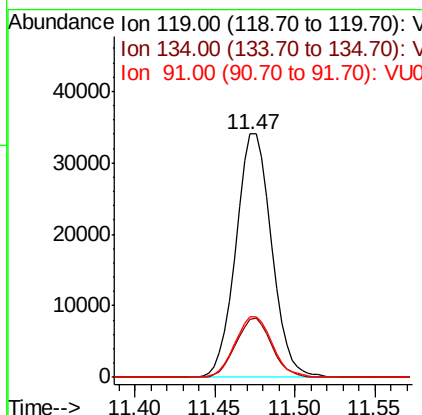
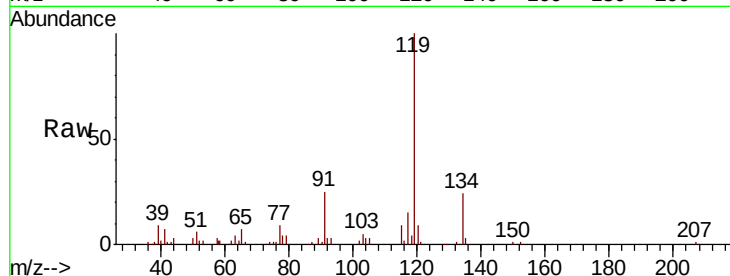




#81
 p-Isopropyltoluene
 Concen: 0.943 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

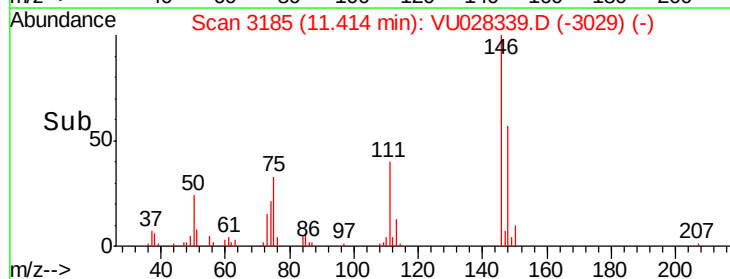
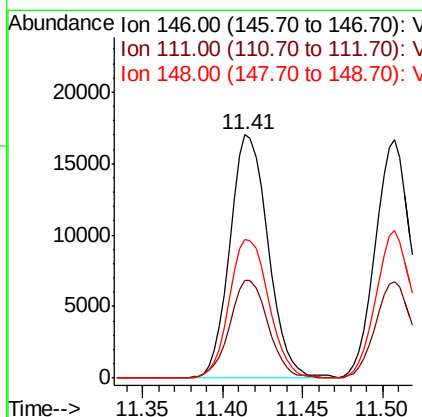
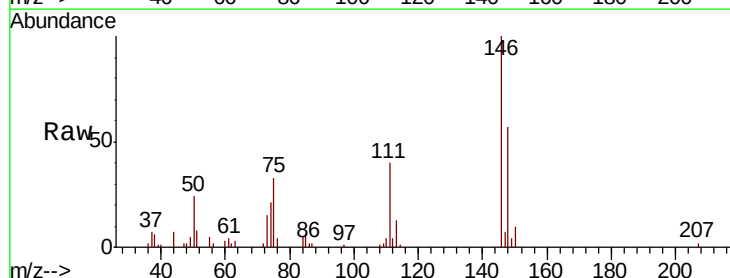
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

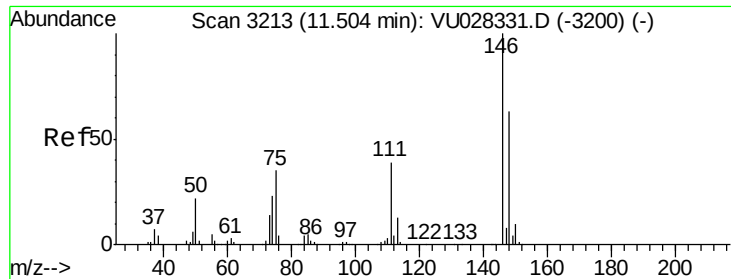
Tgt Ion:119 Resp: 51510
 Ion Ratio Lower Upper
 119 100
 134 24.3 20.3 30.5
 91 25.9 20.0 30.0



#82
 1,3-Dichlorobenzene
 Concen: 1.002 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

Tgt Ion:146 Resp: 27708
 Ion Ratio Lower Upper
 146 100
 111 40.6 33.4 50.2
 148 58.9 51.2 76.8

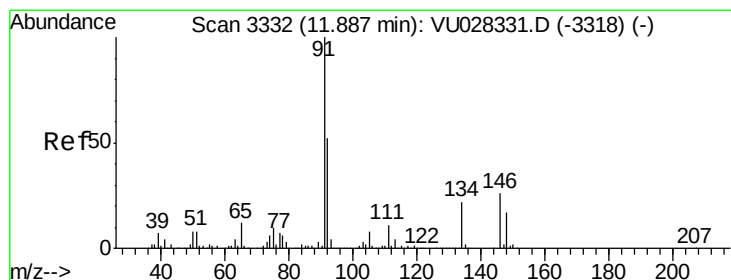
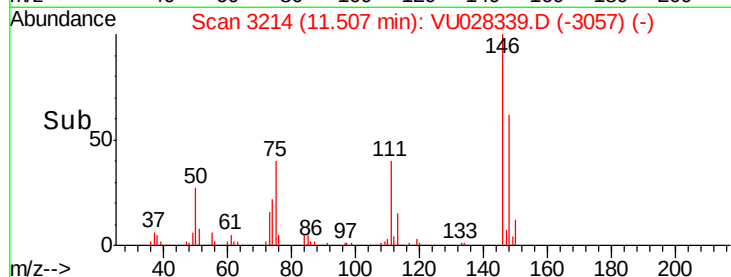
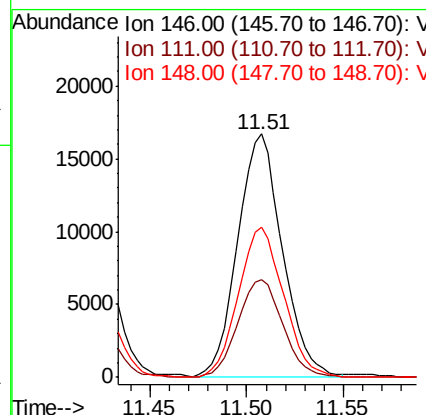
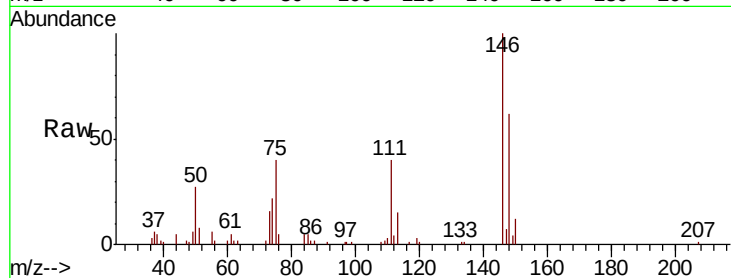




#83
 1,4-Dichlorobenzene
 Concen: 0.977 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

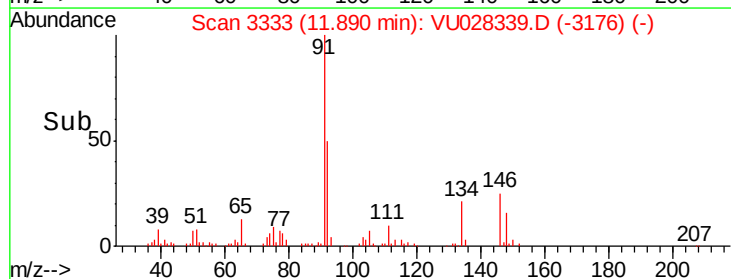
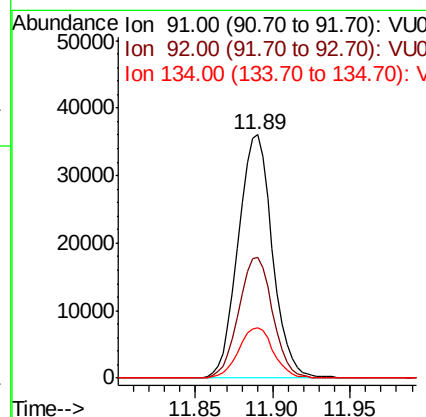
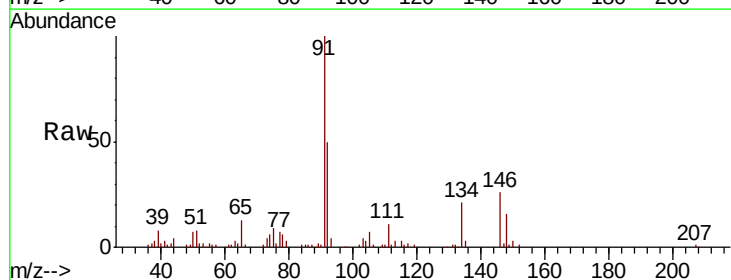
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

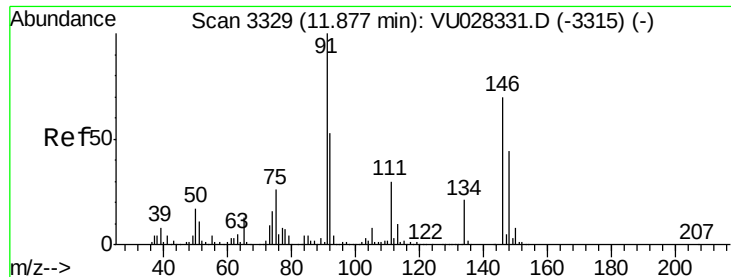
Tgt Ion: 146 Resp: 26908
 Ion Ratio Lower Upper
 146 100
 111 40.3 31.4 47.2
 148 62.0 50.7 76.1



#84
 n-Butylbenzene
 Concen: 0.966 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU028339.D
 Acq: 26 Nov 2018 15:21

Tgt Ion: 91 Resp: 55387
 Ion Ratio Lower Upper
 91 100
 92 49.2 41.6 62.4
 134 21.0 17.8 26.6





#85

1,2-Dichlorobenzene

Concen: 1.011 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

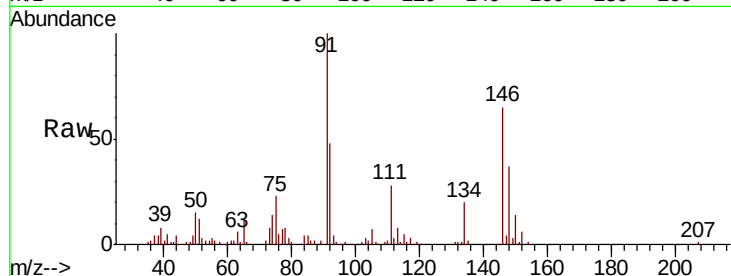
Tgt Ion:146 Resp: 26630

Ion Ratio Lower Upper

146 100

111 44.8 21.4 64.3

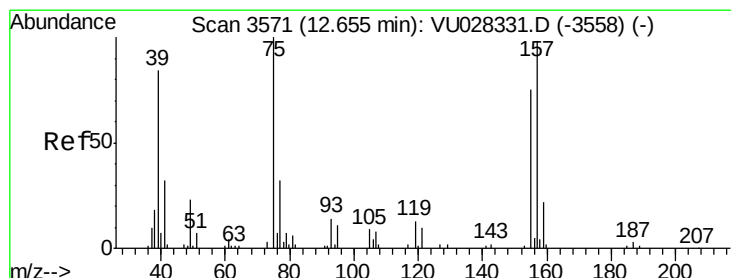
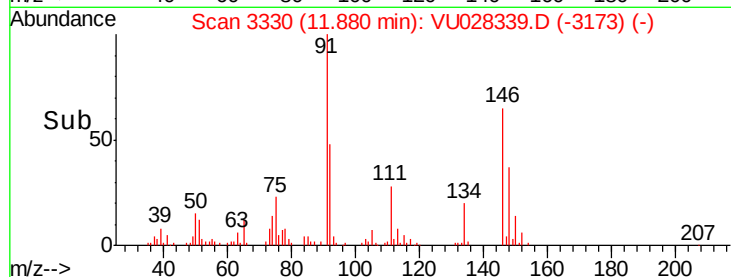
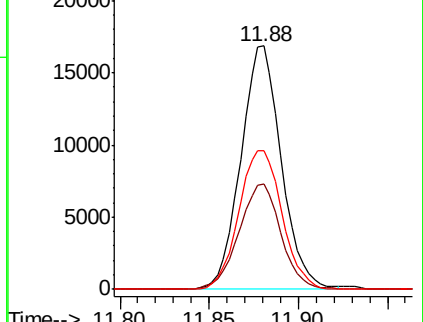
148 60.7 31.4 94.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.934 ug/l

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

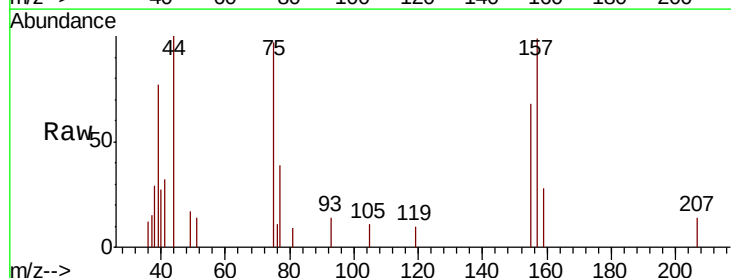
Tgt Ion: 75 Resp: 2144

Ion Ratio Lower Upper

75 100

155 65.2 57.0 85.4

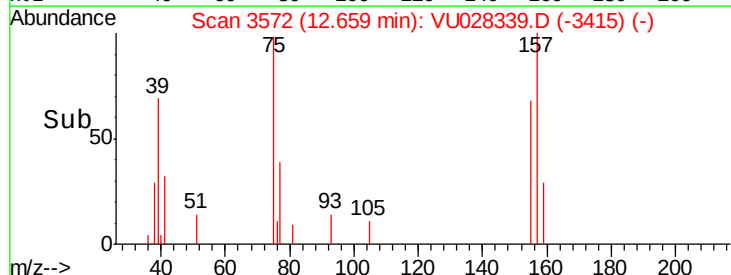
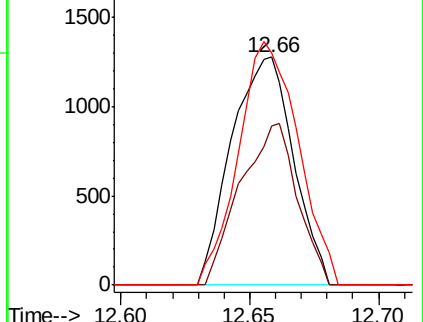
157 103.5 75.4 113.2

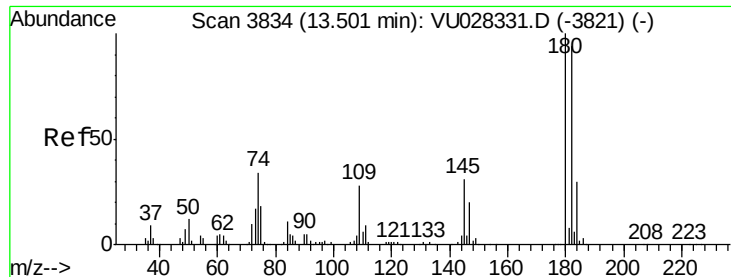


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#87

1,2,4-Trichlorobenzene

Concen: 0.924 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

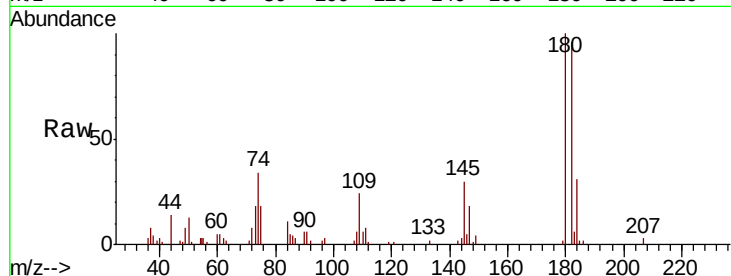
Tgt Ion:180 Resp: 17102

Ion Ratio Lower Upper

180 100

182 95.9 75.6 113.4

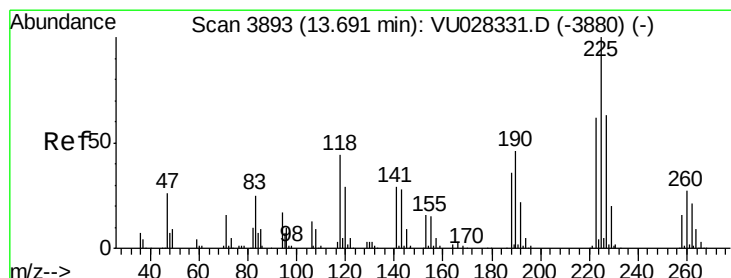
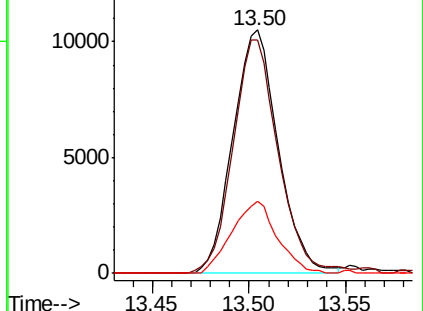
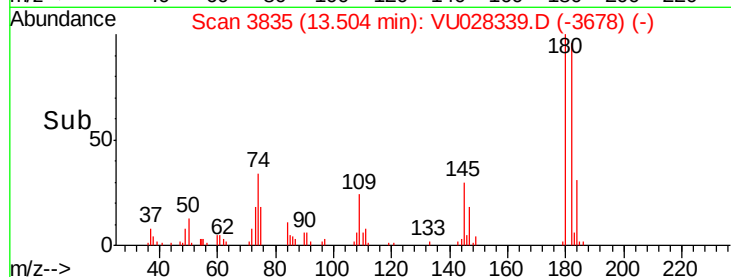
145 29.7 24.4 36.6



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: 0.968 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

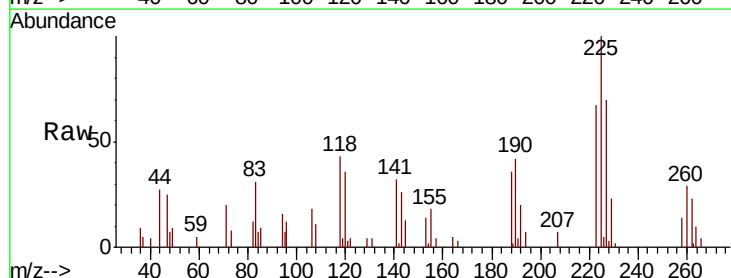
Tgt Ion:225 Resp: 9692

Ion Ratio Lower Upper

225 100

223 63.8 50.6 76.0

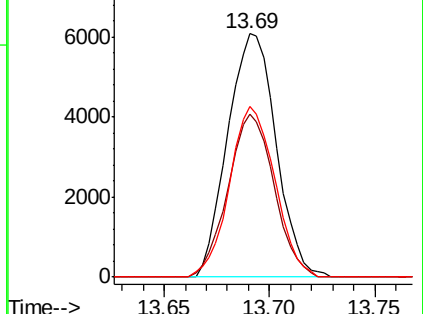
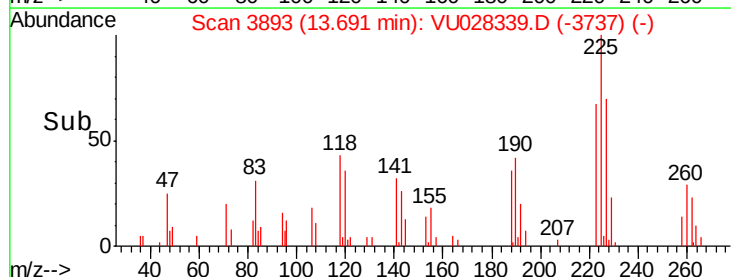
227 65.5 50.8 76.2

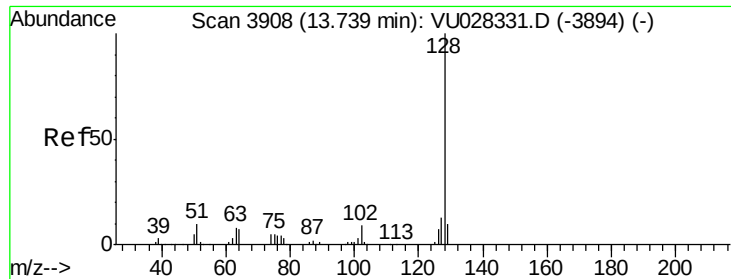


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.865 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2018

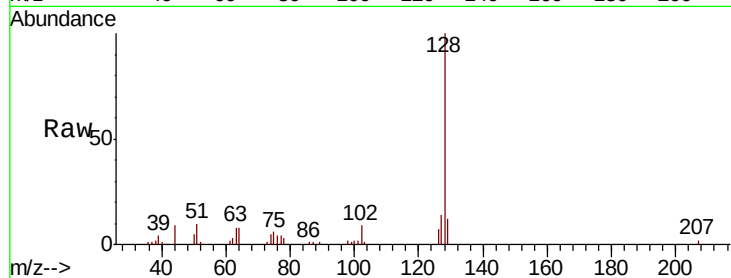
Tgt Ion:128 Resp: 31647

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 9.9 8.2 12.4

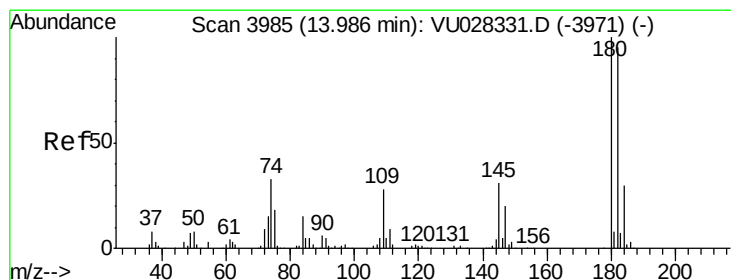
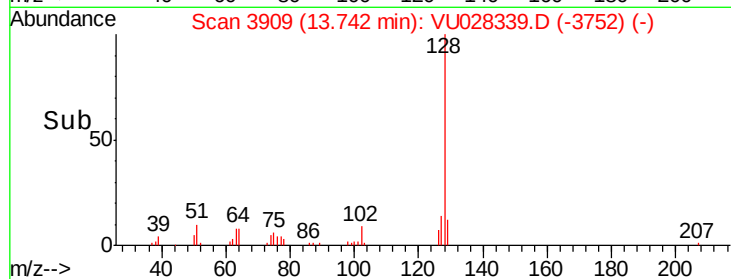
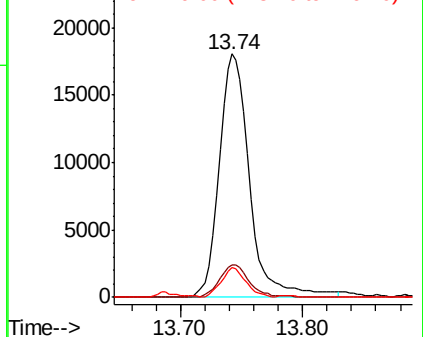


Abundance

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: 0.964 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028339.D

Acq: 26 Nov 2018 15:21

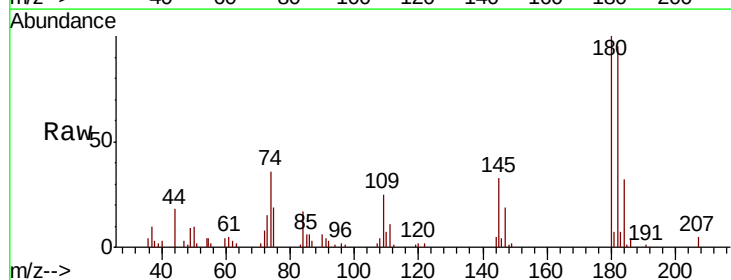
Tgt Ion:180 Resp: 16834

Ion Ratio Lower Upper

180 100

182 93.9 76.1 114.1

145 31.2 26.0 39.0



Abundance

Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

