

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
 Data File : VU028337.D
 Acq On : 26 Nov 2018 14:33
 Operator : MD/SY
 Sample : J5164-07 0.25ppb
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Quant Time: Nov 27 01:11:06 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	48887	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	16921	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	15511	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	4513	0.257 ug/l	100
3) Chloromethane	1.32	50	8647	0.289 ug/l #	88
4) Vinyl Chloride	1.40	62	5768	0.282 ug/l	95
5) Bromomethane	1.63	94	2954	0.366 ug/l #	72
6) Chloroethane	1.70	64	4047	0.338 ug/l #	81
7) Trichlorofluoromethane	1.89	101	6145	0.275 ug/l	91
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3596	0.279 ug/l	91
9) 1,1-Dichloroethene	2.29	96	3364	0.283 ug/l	98
10) Iodomethane	2.42	142	2107	0.262 ug/l	100
11) Allyl Chloride	2.59	41	8096	0.269 ug/l	94
12) Acrylonitrile	2.95	53	2463	0.650 ug/l #	92
13) Acetone	2.33	43	6317	1.798 ug/l #	88
14) Carbon Disulfide	2.48	76	14368	0.318 ug/l	98
15) Methylene Chloride	2.70	84	5210	0.359 ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	4379	0.329 ug/l #	88
18) 2-Butanone	4.29	43	6976	1.329 ug/l	96
20) Methylcyclohexane	6.41	83	6384	0.253 ug/l	87
21) 2,2-Dichloropropane	4.23	77	7074	0.297 ug/l #	90
22) cis-1,2-Dichloroethene	4.23	96	4507	0.289 ug/l	96
23) Diethyl Ether	2.11	59	3441	0.288 ug/l #	85
24) tert-Butyl Alcohol	2.86	59	2442	2.039 ug/l	96
25) Methyl tert-Butyl Ether	3.01	73	10105	0.286 ug/l #	89
26) Bromochloromethane	4.55	128	1392	0.234 ug/l #	70
27) Chloroform	4.67	83	11318	0.395 ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	6144	0.275 ug/l #	74
29) 1,1-Dichloropropene	5.13	75	6071	0.283 ug/l	99
30) Carbon Tetrachloride	5.13	117	4435	0.246 ug/l	85
31) Isopropyl Ether	3.58	45	14289	0.269 ug/l	97
32) Ethyl-t-butyl ether	4.07	59	12120	0.277 ug/l	98
33) Tert-Amyl methyl ether	5.58	73	9776	0.269 ug/l #	63
34) Propionitrile	4.34	54	614	0.466 ug/l #	66
35) Benzene	5.39	78	18008	0.285 ug/l	97
36) 1,2-Dichloroethane	5.40	62	5383	0.285 ug/l #	92
37) Trichloroethene	6.19	130	4362	0.317 ug/l	87
38) 1,2-Dichloropropane	6.43	63	4641	0.258 ug/l #	88
39) Methacrylonitrile	4.56	41	1644	0.233 ug/l #	95
40) Methyl acrylate	4.44	55	2135	0.220 ug/l #	79
41) Tetrahydrofuran	4.67	42	1965	0.553 ug/l #	79
42) 1-Chlorobutane	5.07	56	8931	0.262 ug/l	91
43) Dibromomethane	6.57	93	2190	0.286 ug/l	98
44) Bromodichloromethane	6.76	83	6097	0.301 ug/l	98

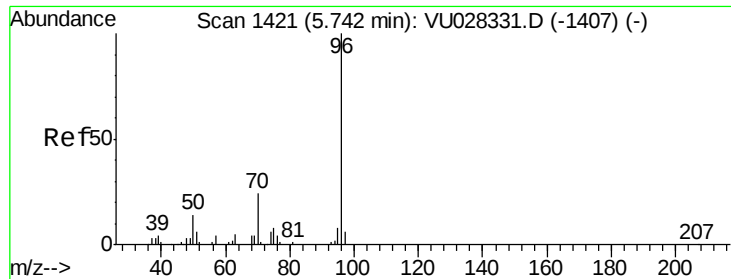
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
 Data File : VU028337.D
 Acq On : 26 Nov 2018 14:33
 Operator : MD/SY
 Sample : J5164-07 0.25ppb
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Quant Time: Nov 27 01:11:06 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)
45) 4-Methyl-2-Pentanone	7.47	43	16670	1.354	ug/l	94
46) t-1,4-Dichloro-2-butene	10.49	75	2571	0.571	ug/l	91
47) Methyl methacrylate	6.63	69	3854	0.492	ug/l #	97
48) Ethyl methacrylate	8.03	69	3553	0.227	ug/l	91
49) Toluene	7.64	92	9049	0.258	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	4880	0.251	ug/l	92
51) cis-1,3-Dichloropropene	7.27	75	6202	0.258	ug/l	96
52) 1,1,2-Trichloroethane	8.07	97	2544	0.236	ug/l	92
53) 1,3-Dichloropropane	8.24	76	5244	0.261	ug/l	96
54) 2-Hexanone	8.37	43	11772	1.329	ug/l	96
55) Dibromochloromethane	8.48	129	2977	0.260	ug/l	93
56) 1,2-Dibromoethane	8.59	107	2515	0.256	ug/l	99
58) Tetrachloroethene	8.23	164	3891	0.309	ug/l	99
59) Chlorobenzene	9.12	112	9758	0.267	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	3071	0.248	ug/l	93
61) Pentachloroethane	11.10	117	2853	0.296	ug/l	83
62) Hexachloroethane	12.15	117	2243	0.249	ug/l	86
63) Ethyl Benzene	9.25	91	18068	0.268	ug/l	99
64) m/p-Xylenes	9.38	106	12800	0.525	ug/l	95
65) o-Xylene	9.78	106	6204	0.264	ug/l	97
66) Styrene	9.79	104	10422	0.258	ug/l	98
67) Bromoform	9.96	173	1603	0.250	ug/l #	91
69) Isopropylbenzene	10.17	105	15982	0.254	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	3619	0.251	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	2571	0.255	ug/l #	95
72) Bromobenzene	10.45	156	3436	0.246	ug/l	83
73) n-propylbenzene	10.59	120	3958	0.242	ug/l	87
74) 2-Chlorotoluene	10.66	126	3765	0.263	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	12938	0.244	ug/l	93
76) 4-Chlorotoluene	10.77	126	4049	0.279	ug/l	91
77) tert-Butylbenzene	11.10	119	12841	0.257	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	13183	0.243	ug/l	97
79) sec-Butylbenzene	11.32	105	17792	0.256	ug/l	100
80) Nitrobenzene	12.87	77	873	1.342	ug/l #	64
81) p-Isopropyltoluene	11.48	119	13813	0.250	ug/l	95
82) 1,3-Dichlorobenzene	11.42	146	7788	0.278	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	7874	0.283	ug/l	97
84) n-Butylbenzene	11.89	91	15295	0.264	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	7423	0.279	ug/l	95
86) 1,2-Dibromo-3-Chloropropan	12.66	75	510	0.220	ug/l #	88
87) 1,2,4-Trichlorobenzene	13.50	180	6042	0.323	ug/l	88
88) Hexachlorobutadiene	13.69	225	3177	0.313	ug/l	90
89) Naphthalene	13.74	128	11480	0.310	ug/l #	93
90) 1,2,3-Trichlorobenzene	13.99	180	5041	0.285	ug/l	95

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 96 Resp: 48887

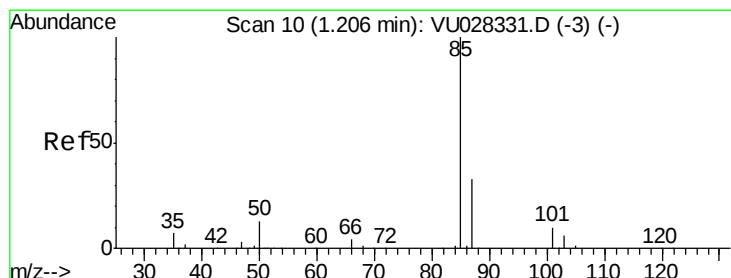
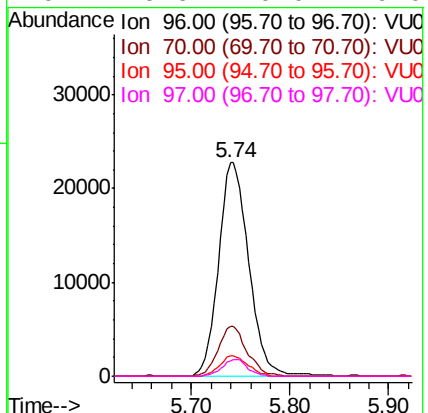
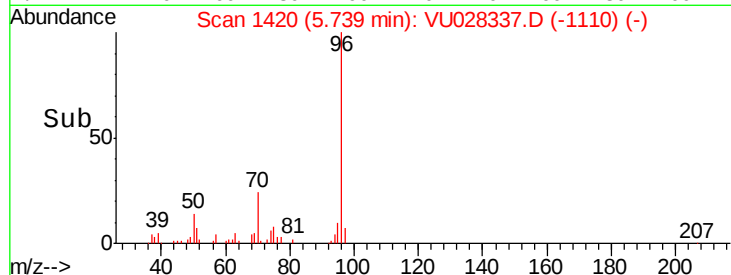
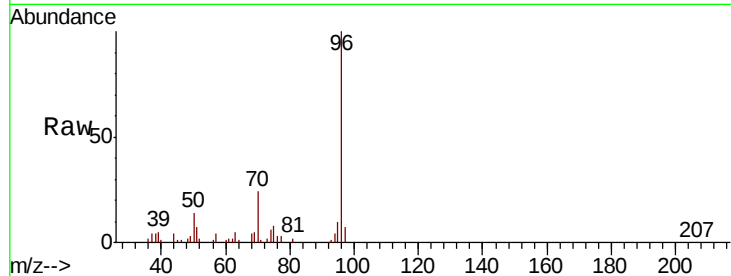
Ion Ratio Lower Upper

96 100

70 22.4 17.8 26.8

95 8.9 7.6 11.4

97 6.6 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.257 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028337.D

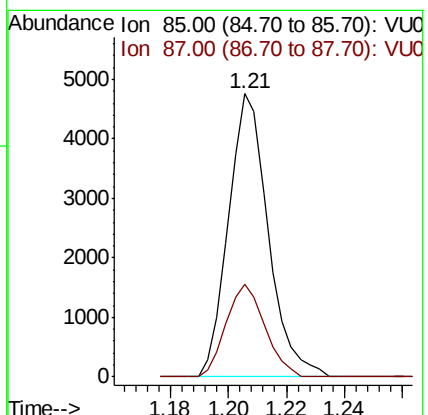
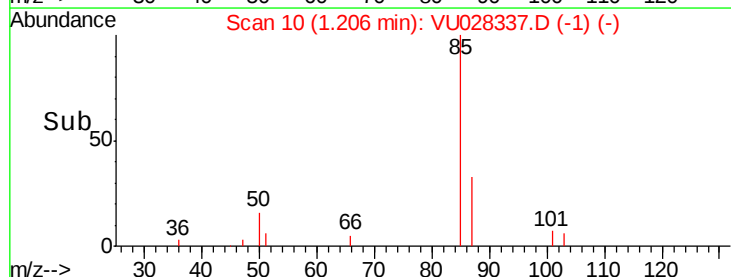
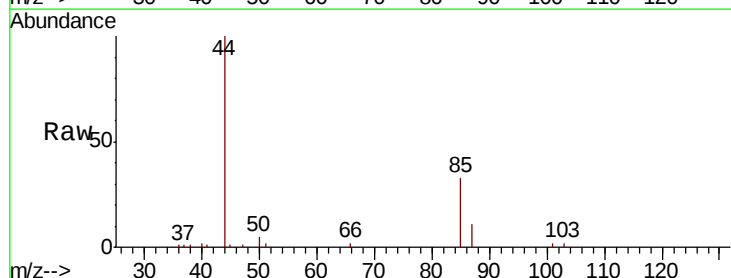
Acq: 26 Nov 2018 14:33

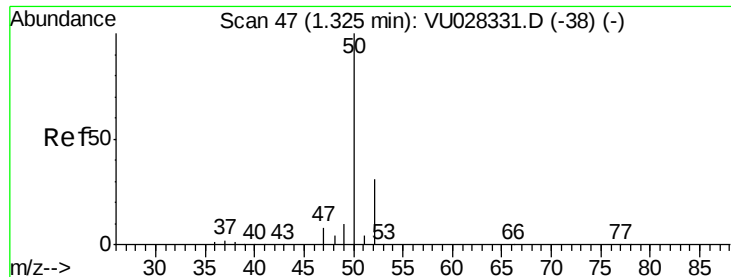
Tgt Ion: 85 Resp: 4513

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8





#3

Chloromethane

Concen: 0.289 ug/l

RT: 1.32 min Scan# 47

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

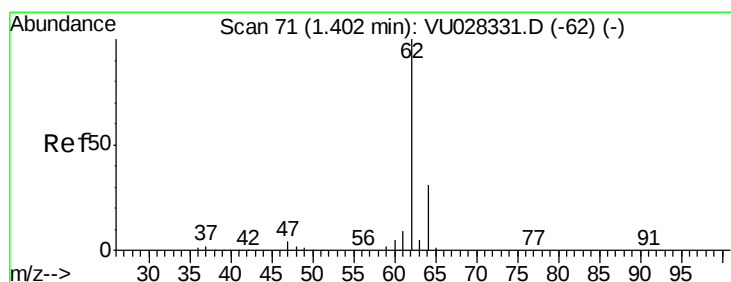
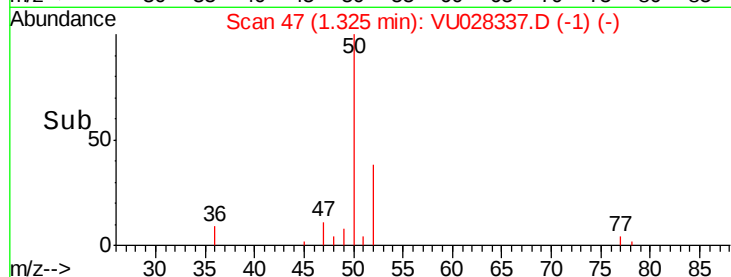
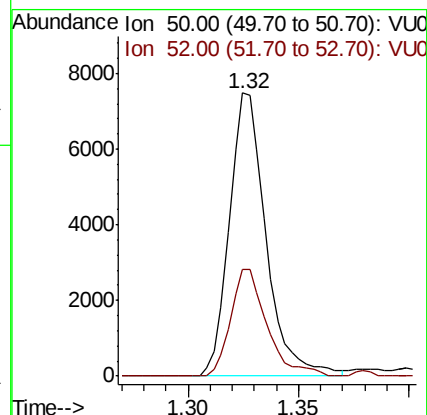
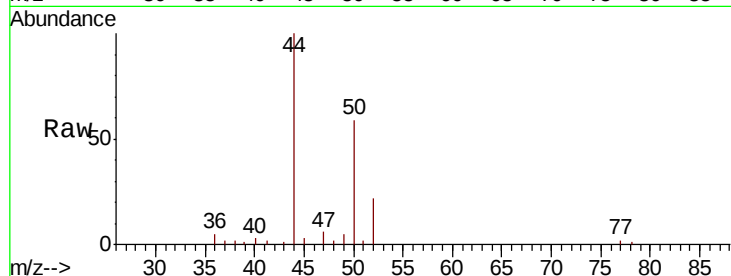
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 50 Resp: 8647

Ion Ratio Lower Upper

50 100

52 37.8 25.1 37.7#



#4

Vinyl Chloride

Concen: 0.282 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028337.D

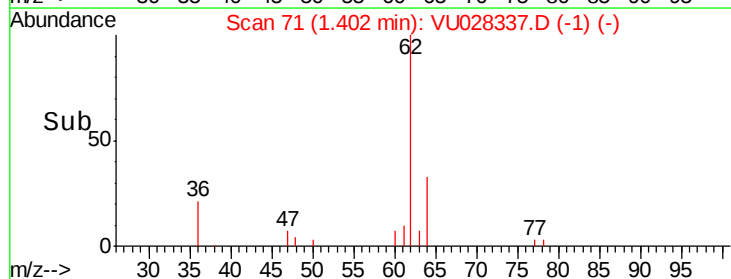
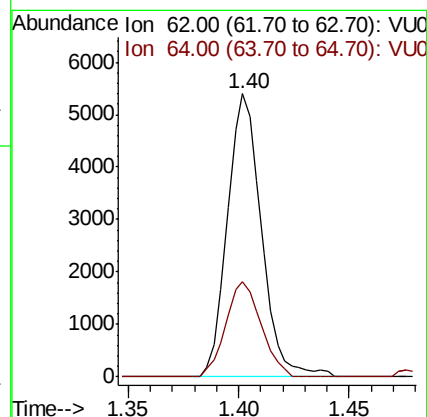
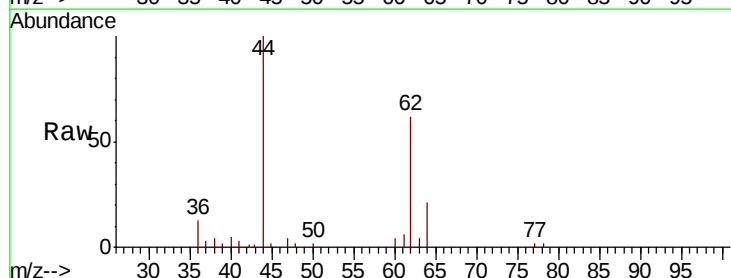
Acq: 26 Nov 2018 14:33

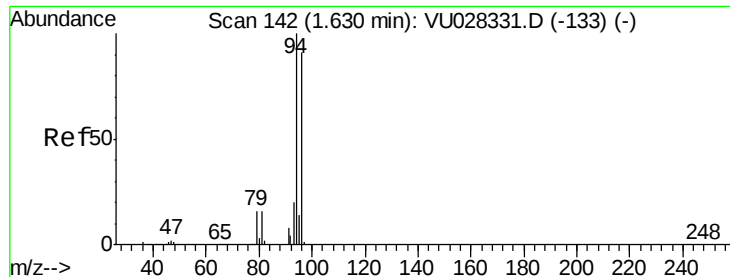
Tgt Ion: 62 Resp: 5768

Ion Ratio Lower Upper

62 100

64 33.4 24.7 37.1





#5

Bromomethane

Concen: 0.366 ug/l

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

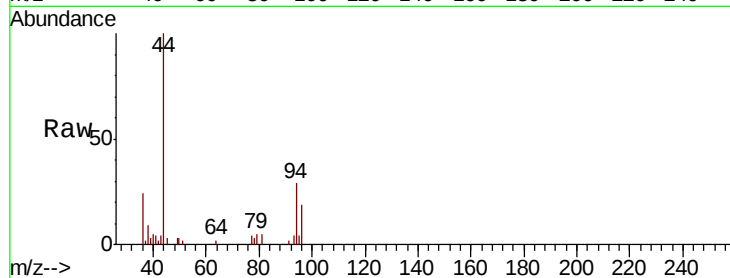
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 94 Resp: 2954

Ion Ratio Lower Upper

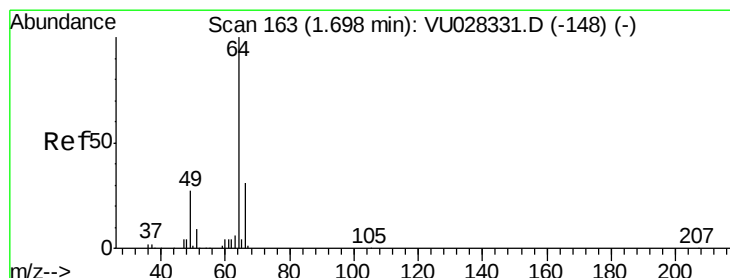
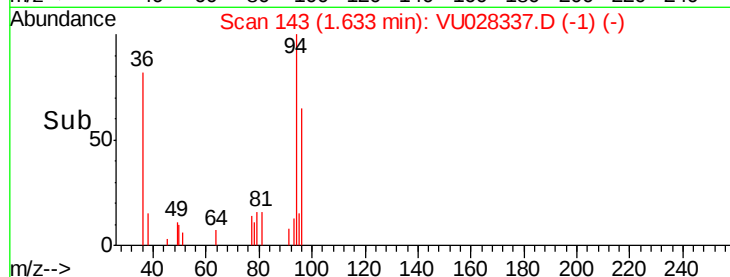
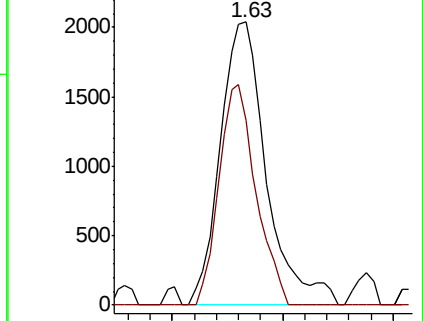
94 100

96 65.3 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: 0.338 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU028337.D

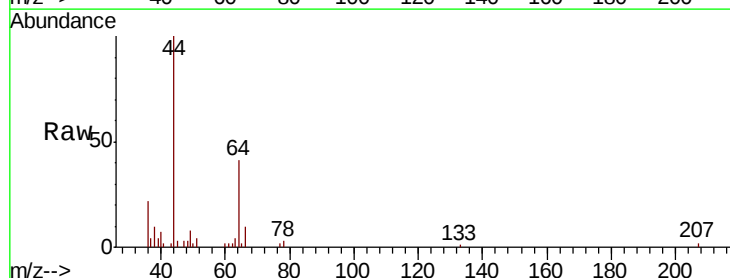
Acq: 26 Nov 2018 14:33

Tgt Ion: 64 Resp: 4047

Ion Ratio Lower Upper

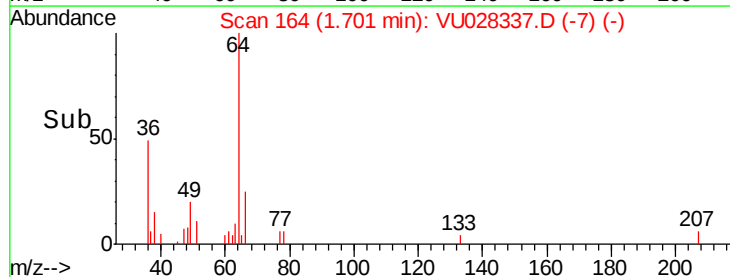
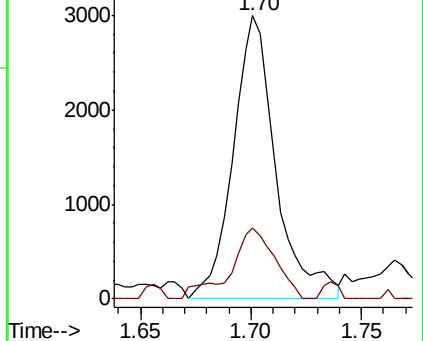
64 100

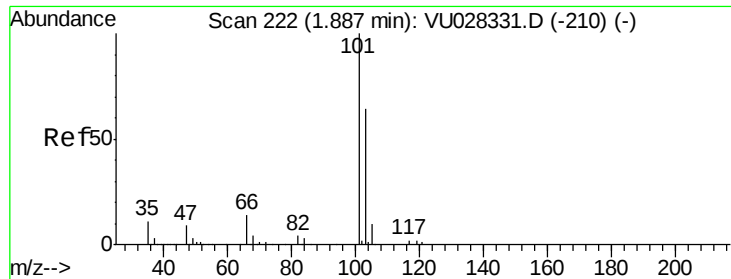
66 20.7 25.1 37.7#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



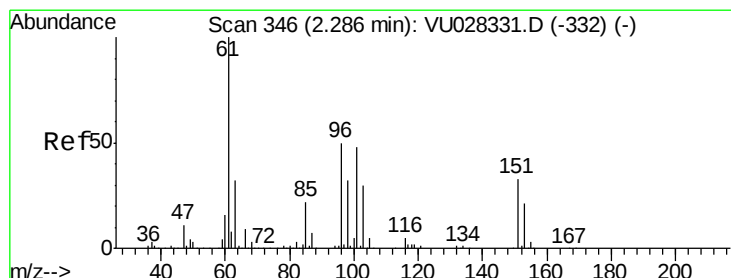
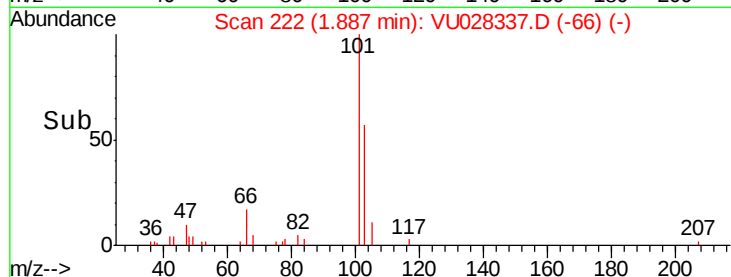
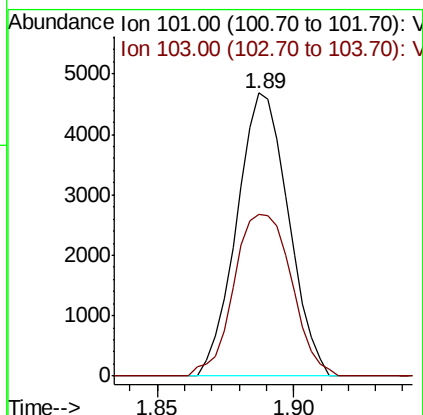
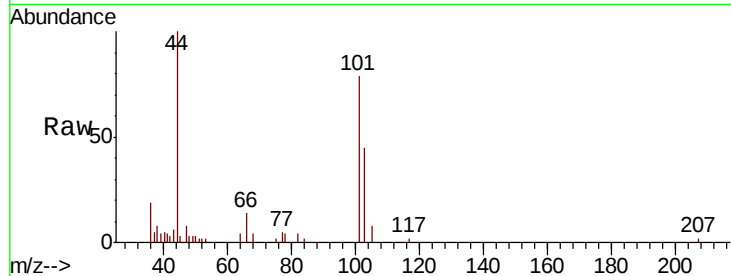


#7

Trichlorofluoromethane
 Concen: 0.275 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

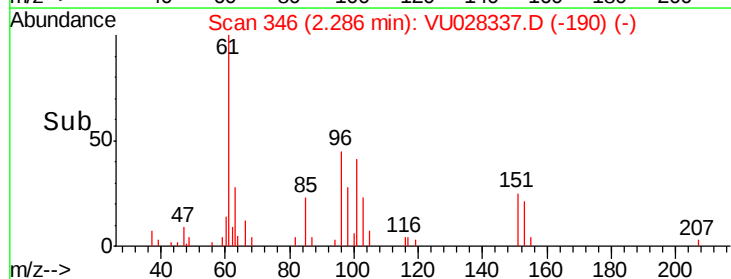
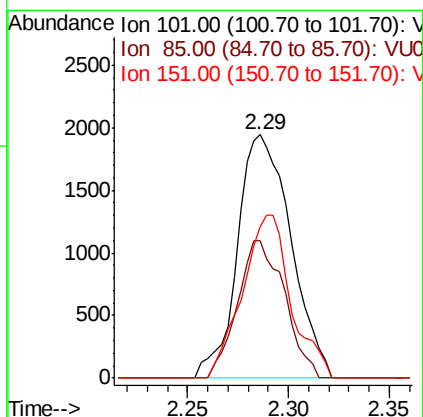
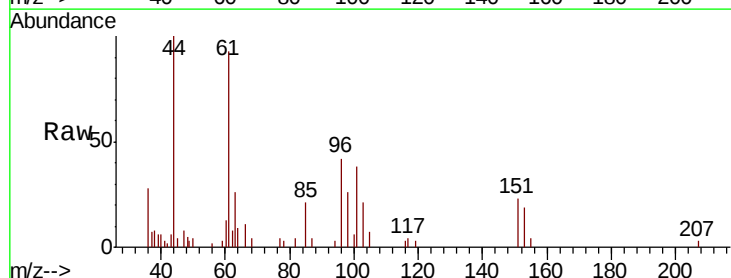
Tgt Ion:101 Resp: 6145
 Ion Ratio Lower Upper
 101 100
 103 57.2 51.4 77.0

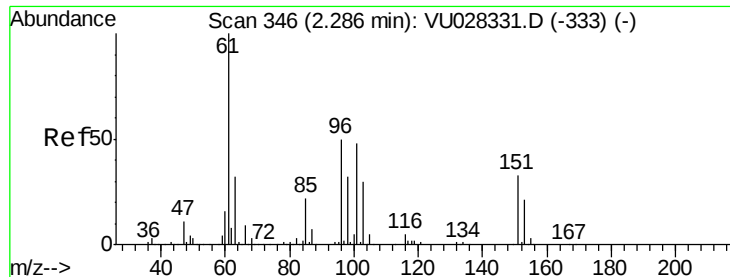


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.279 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion:101 Resp: 3596
 Ion Ratio Lower Upper
 101 100
 85 50.1 36.7 55.1
 151 60.9 55.8 83.6





#9

1,1-Dichloroethene

Concen: 0.283 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

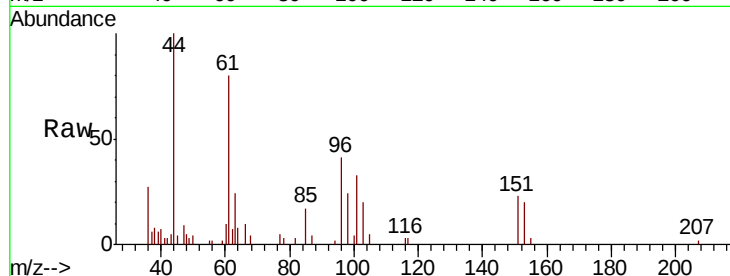
Tgt Ion: 96 Resp: 3364

Ion Ratio Lower Upper

96 100

61 198.2 0.0 597.6

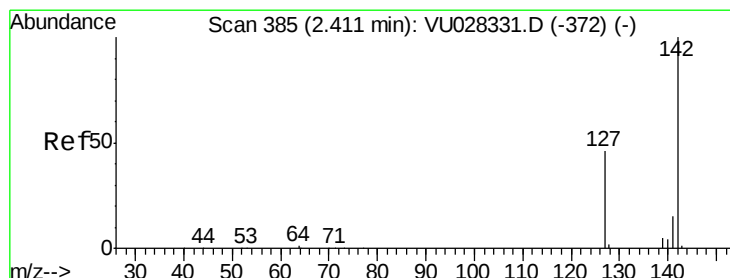
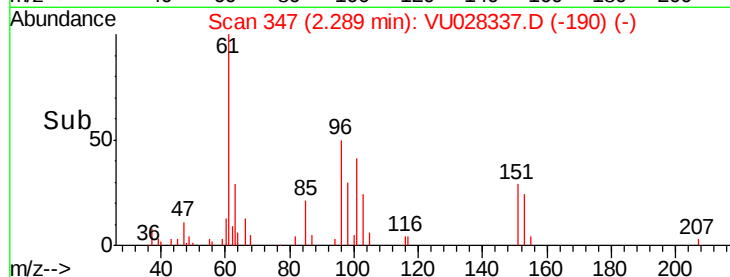
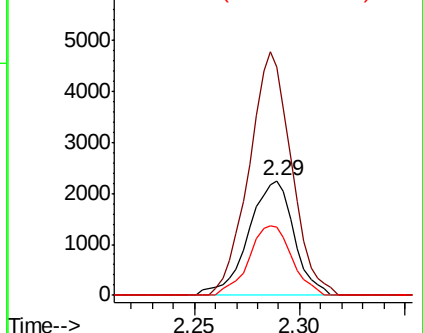
98 59.2 0.0 127.6



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: 0.262 ug/l

RT: 2.42 min Scan# 387

Delta R.T. 0.01 min

Lab File: VU028337.D

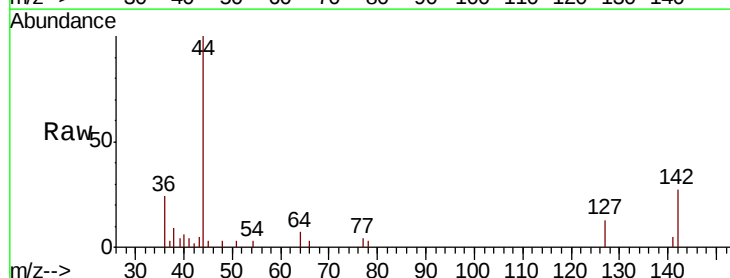
Acq: 26 Nov 2018 14:33

Tgt Ion: 142 Resp: 2107

Ion Ratio Lower Upper

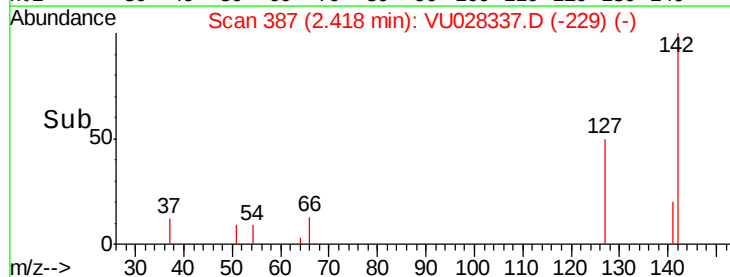
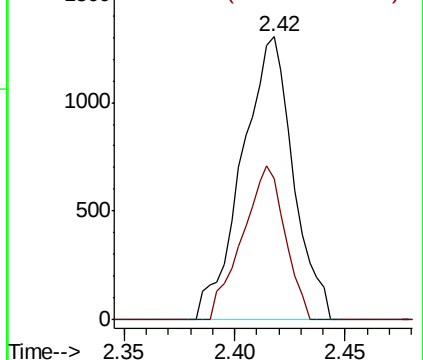
142 100

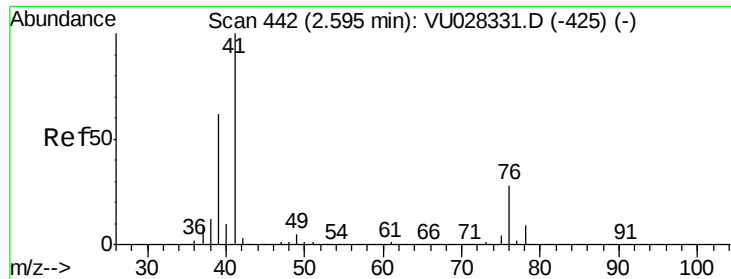
127 45.4 36.4 54.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

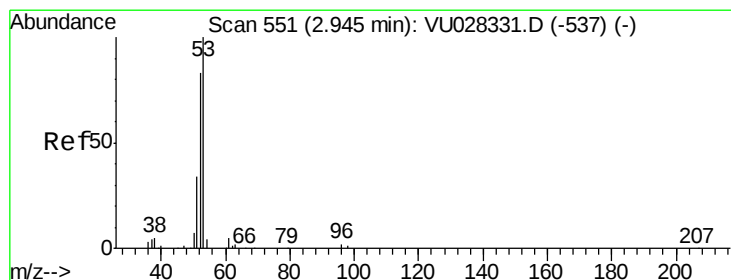
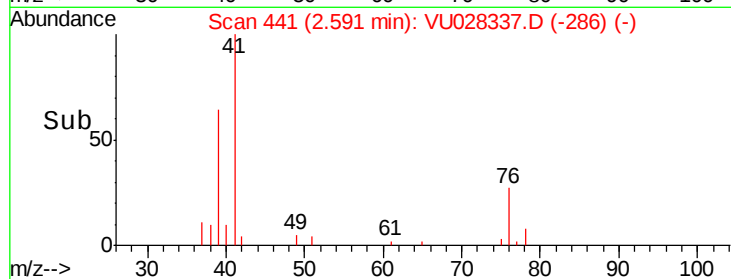
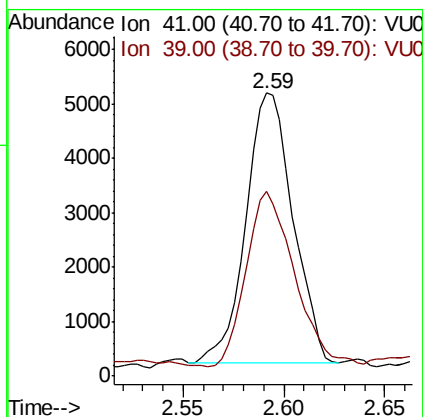
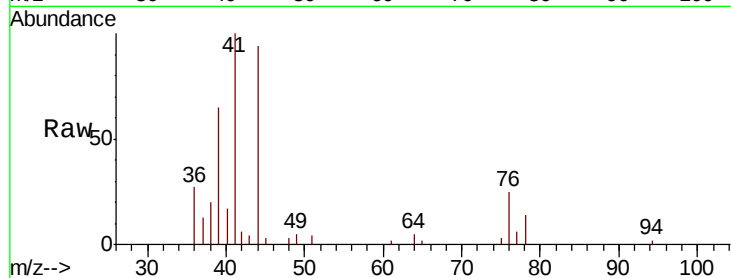




#11
 Allyl Chloride
 Concen: 0.269 ug/l
 RT: 2.59 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

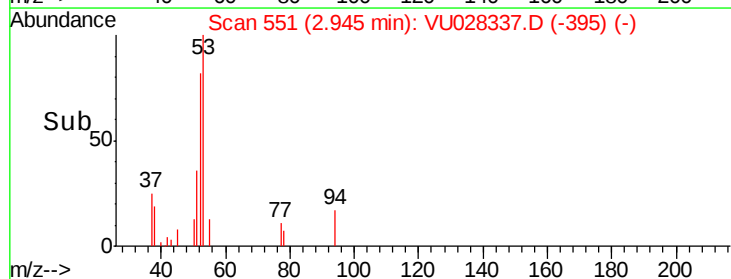
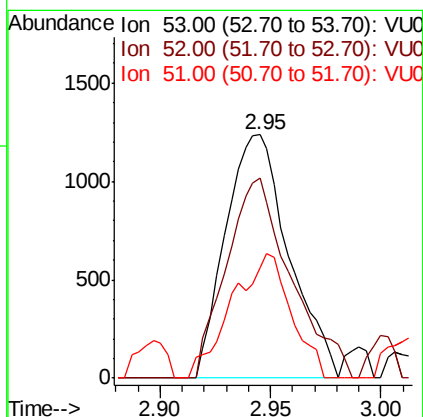
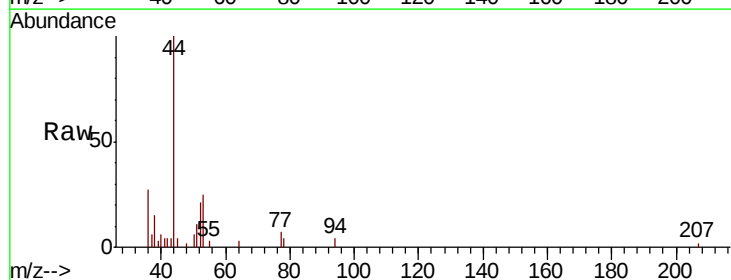
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

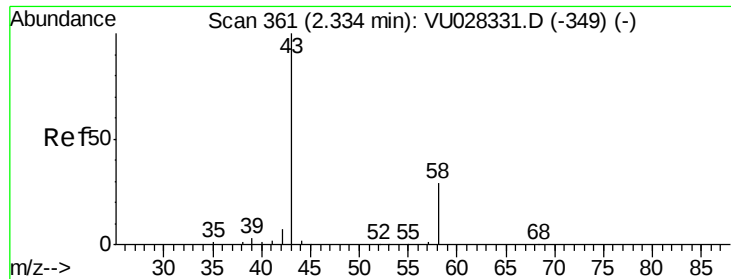
Tgt Ion: 41 Resp: 8096
 Ion Ratio Lower Upper
 41 100
 39 68.0 50.8 76.2



#12
 Acrylonitrile
 Concen: 0.650 ug/l
 RT: 2.95 min Scan# 551
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion: 53 Resp: 2463
 Ion Ratio Lower Upper
 53 100
 52 84.1 69.3 103.9
 51 47.9 27.8 41.8#





#13

Acetone

Concen: 1.798 ug/l

RT: 2.33 min Scan# 360

Delta R.T. -0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

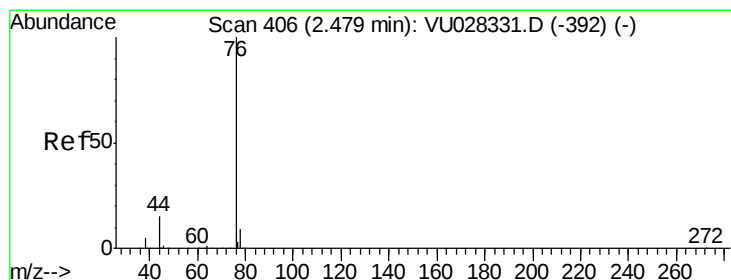
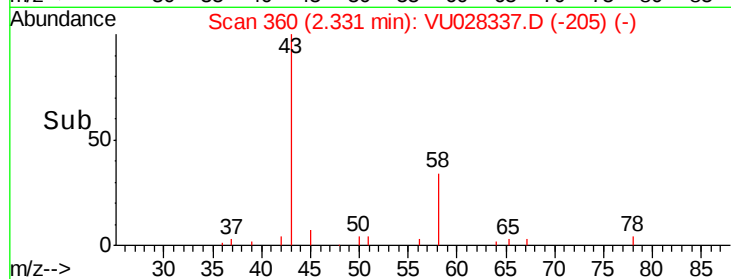
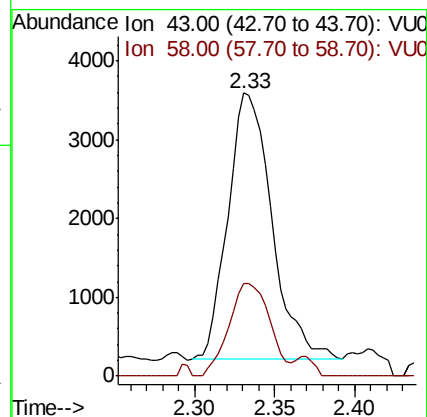
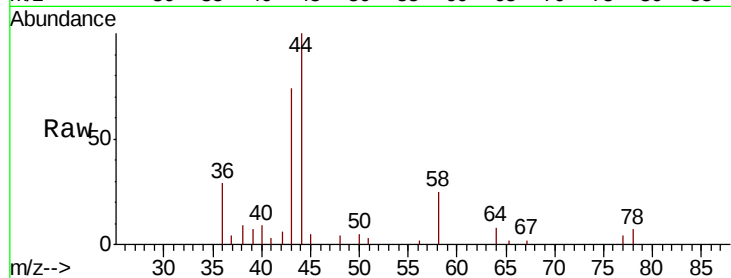
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 43 Resp: 6317

Ion Ratio Lower Upper

43 100

58 35.1 23.1 34.7#



#14

Carbon Disulfide

Concen: 0.318 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU028337.D

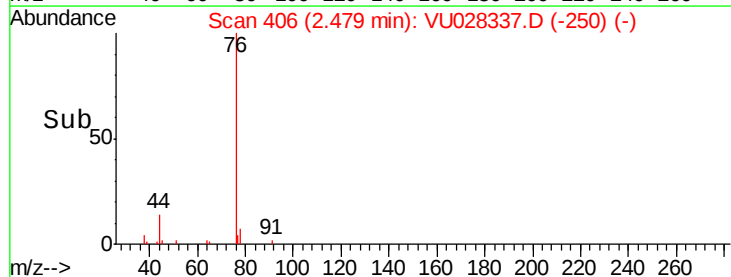
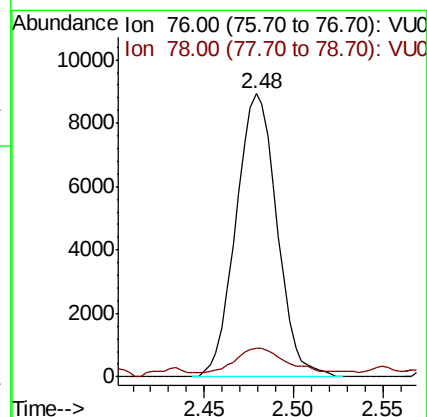
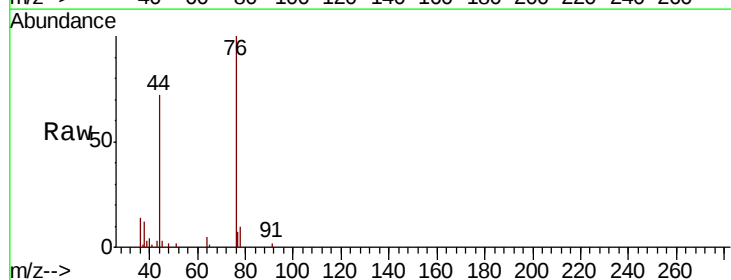
Acq: 26 Nov 2018 14:33

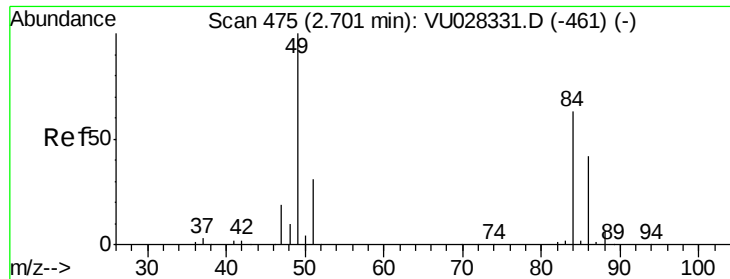
Tgt Ion: 76 Resp: 14368

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2

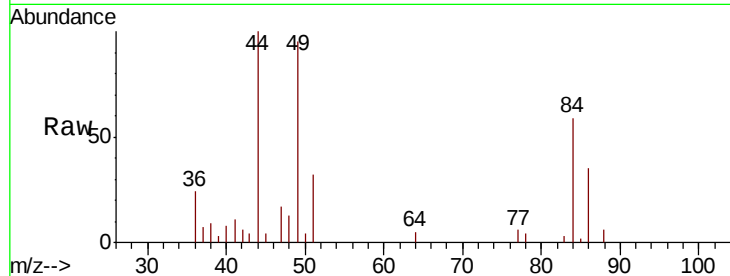




#15
Methylene Chloride
Concen: 0.359 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	84	Resp:	5210
Ion	Ratio	Lower	Upper
84	100		
49	159.4	127.7	191.5
51	49.5	0.0	98.2
86	58.5	53.1	79.7



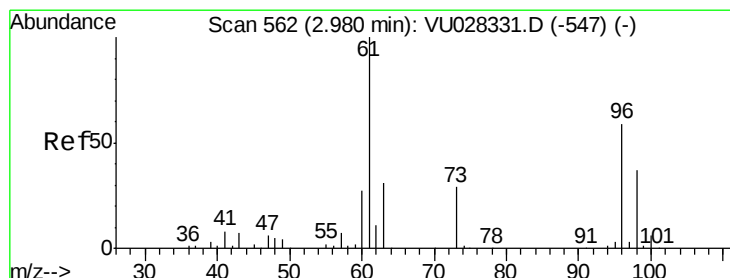
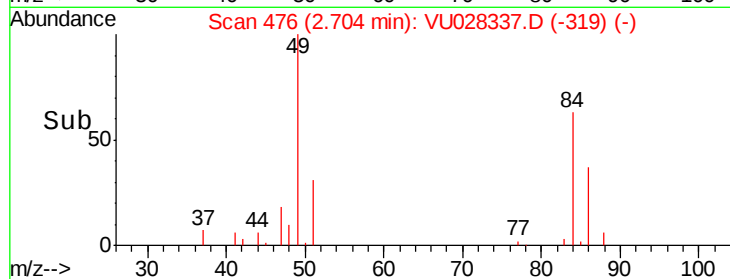
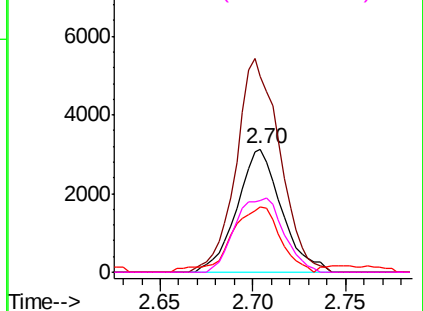
Abundance

Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

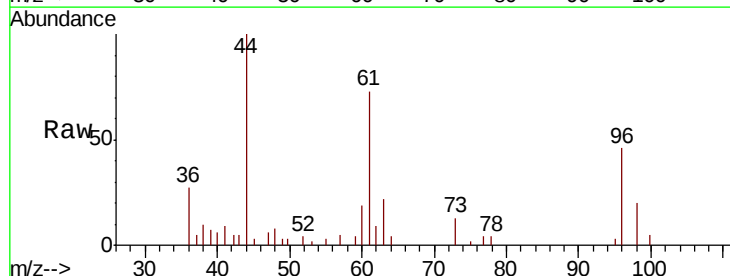
Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16
trans-1,2-Dichloroethene
Concen: 0.329 ug/l
RT: 2.98 min Scan# 561
Delta R.T. -0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion:	96	Resp:	4379
Ion	Ratio	Lower	Upper
96	100		
61	160.4	136.4	204.6
98	43.4	49.8	74.8#

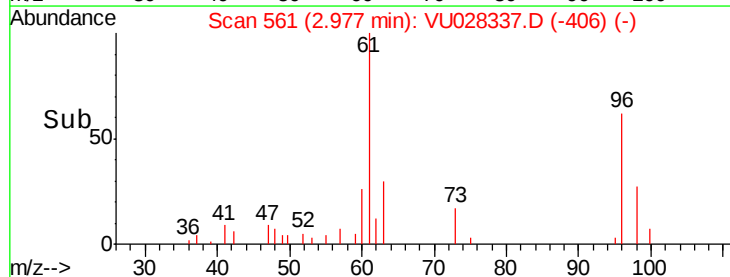
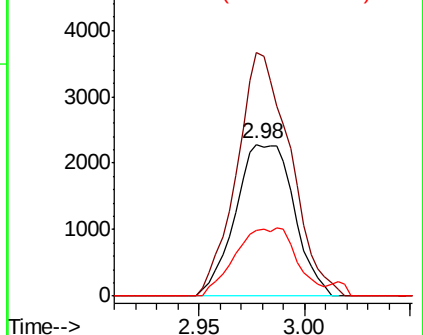


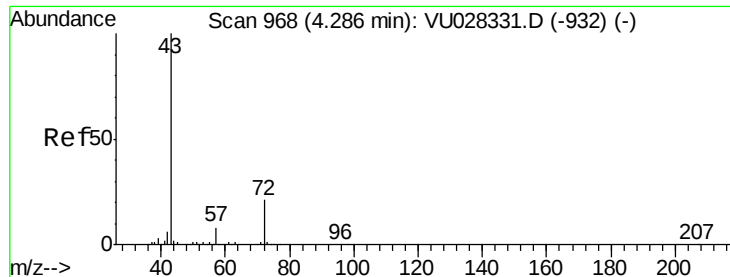
Abundance

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

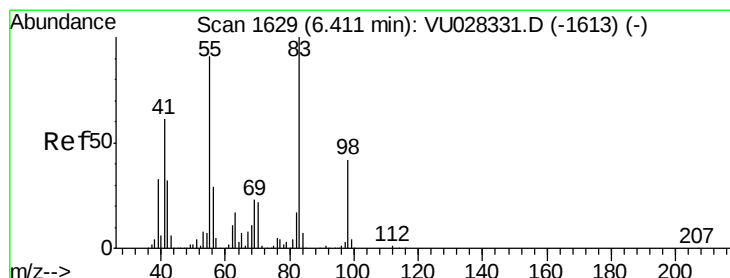
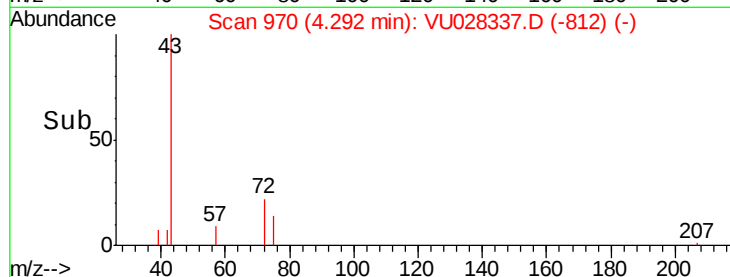
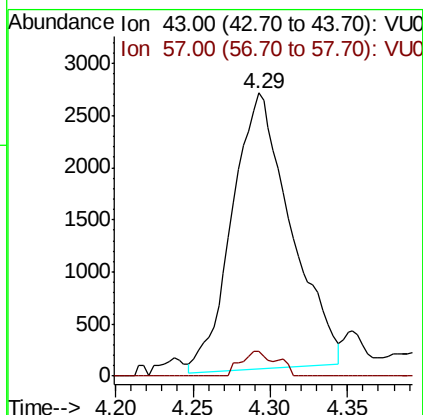
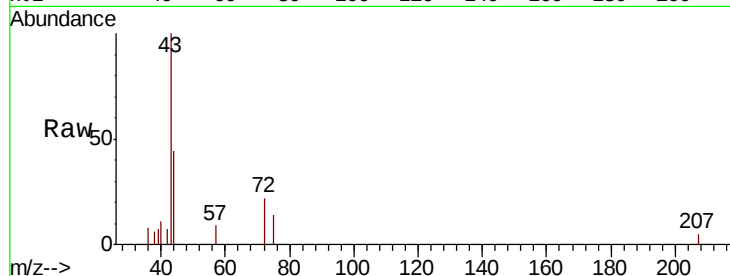




#18
 2-Butanone
 Concen: 1.329 ug/l
 RT: 4.29 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

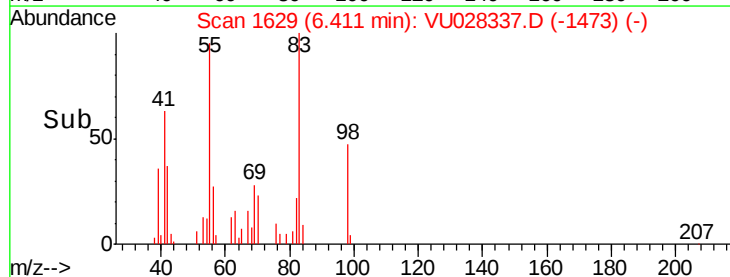
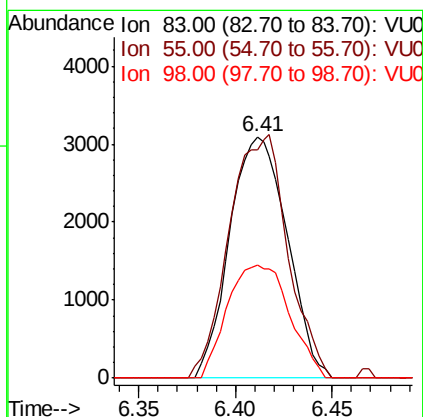
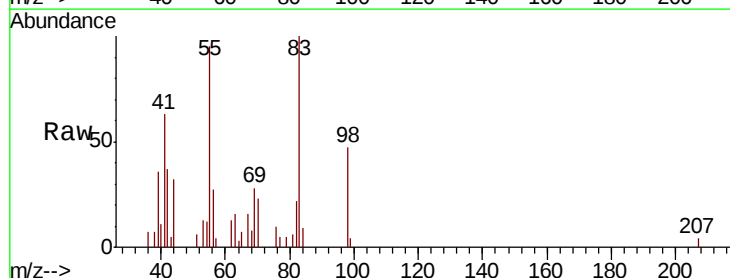
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

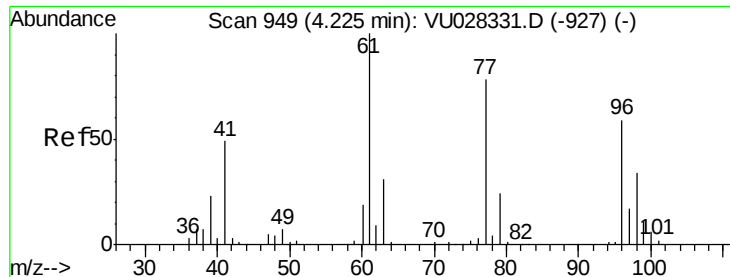
Tgt Ion: 43 Resp: 6976
 Ion Ratio Lower Upper
 43 100
 57 9.0 0.0 15.0



#20
 Methylcyclohexane
 Concen: 0.253 ug/l
 RT: 6.41 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion: 83 Resp: 6384
 Ion Ratio Lower Upper
 83 100
 55 103.0 72.6 108.8
 98 50.5 33.8 50.8

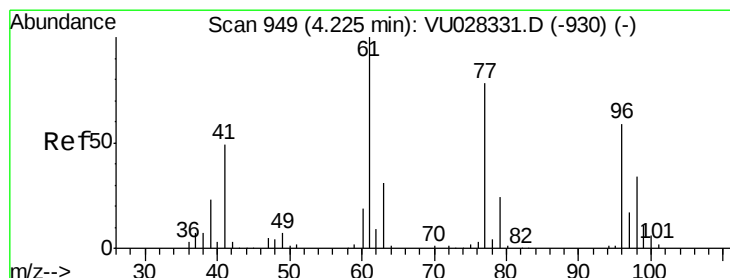
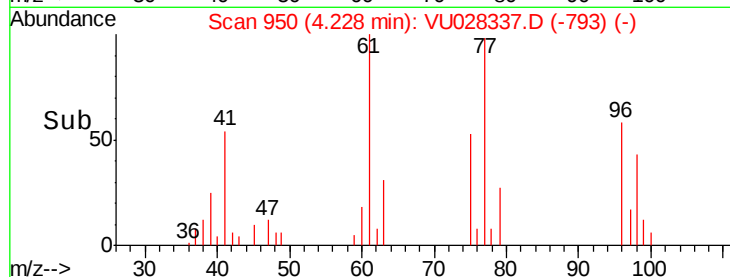
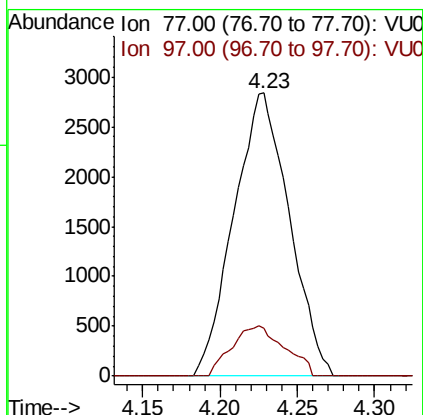
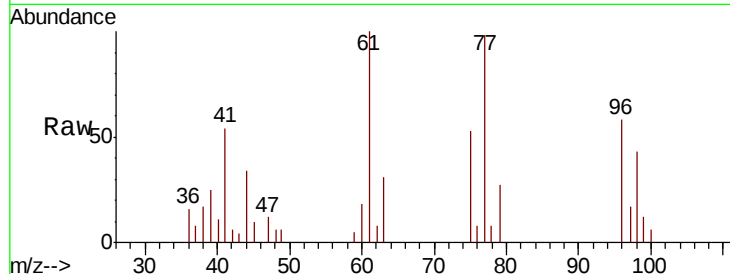




#21
 2,2-Dichloropropane
 Concen: 0.297 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

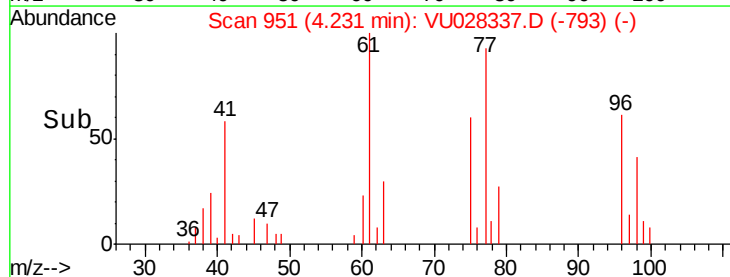
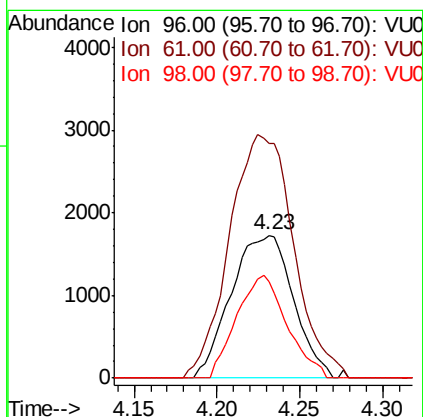
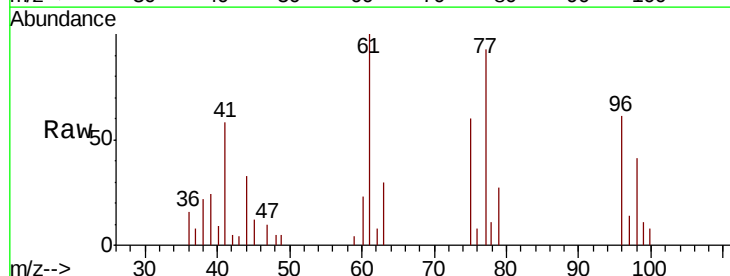
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

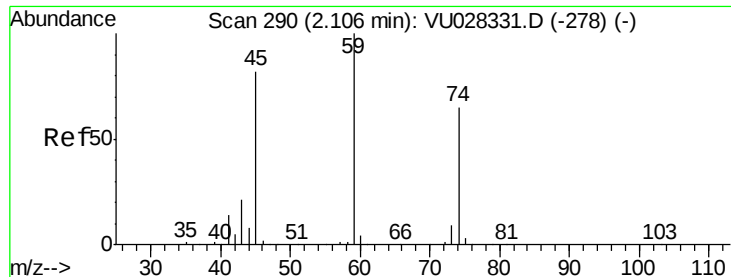
Tgt Ion: 77 Resp: 7074
 Ion Ratio Lower Upper
 77 100
 97 17.0 17.4 26.2#



#22
 cis-1,2-Dichloroethene
 Concen: 0.289 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.01 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion: 96 Resp: 4507
 Ion Ratio Lower Upper
 96 100
 61 175.5 0.0 423.0
 98 58.1 30.3 91.0

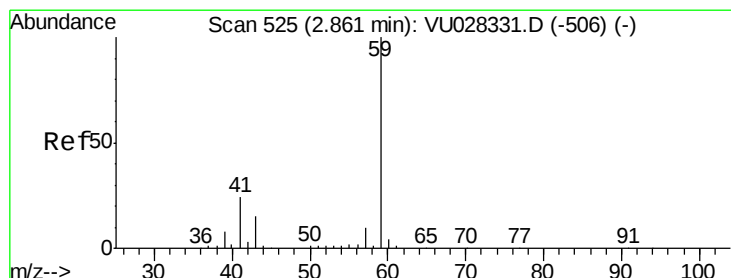
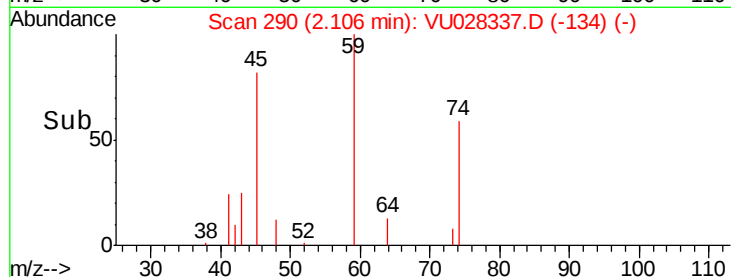
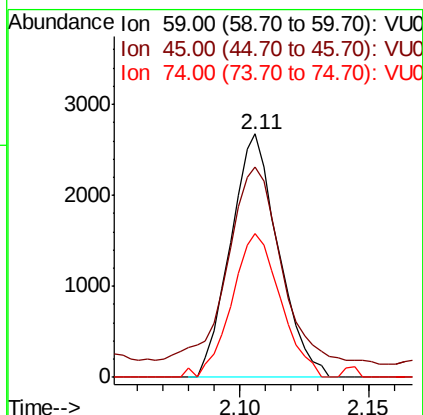
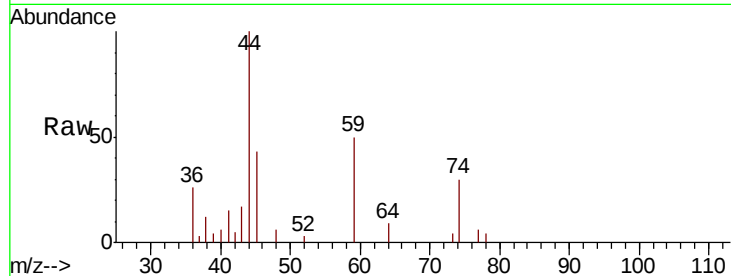




#23
Diethyl Ether
Concen: 0.288 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

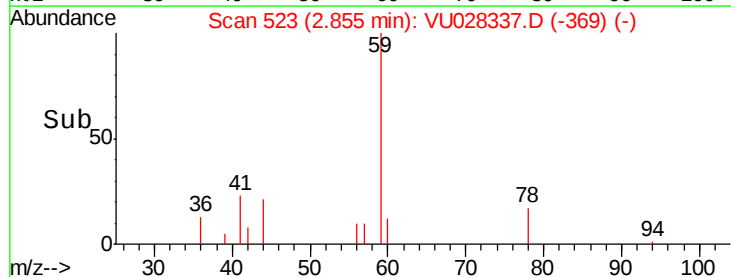
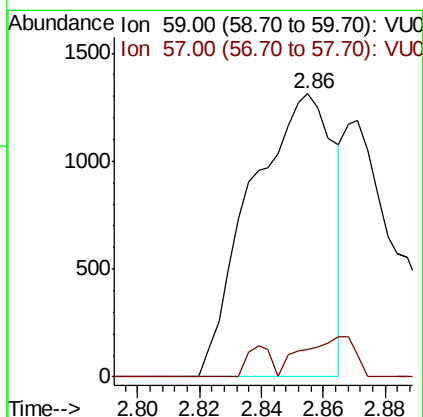
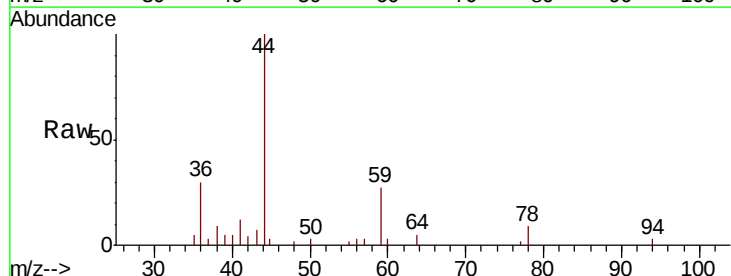
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

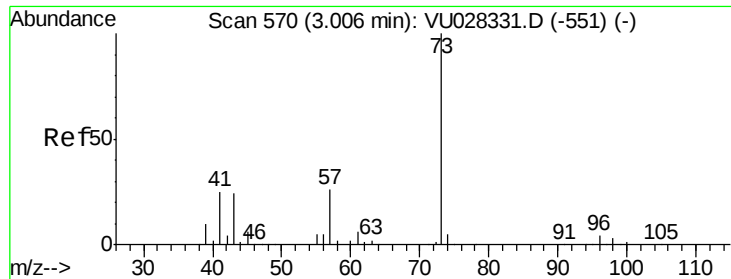
Tgt Ion: 59 Resp: 3441
Ion Ratio Lower Upper
59 100
45 102.6 66.4 99.6#
74 60.2 52.2 78.4



#24
tert-Butyl Alcohol
Concen: 2.039 ug/l
RT: 2.86 min Scan# 523
Delta R.T. -0.01 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion: 59 Resp: 2442
Ion Ratio Lower Upper
59 100
57 8.9 8.2 12.4





#25

Methyl tert-Butyl Ether

Concen: 0.286 ug/l

RT: 3.01 min Scan# 571

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

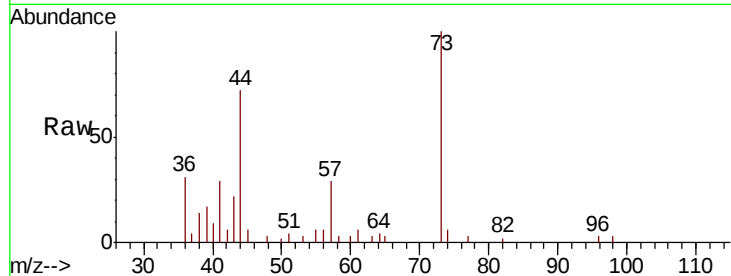
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 73 Resp: 10105

Ion Ratio Lower Upper

73 100

43 17.7 18.5 27.7#

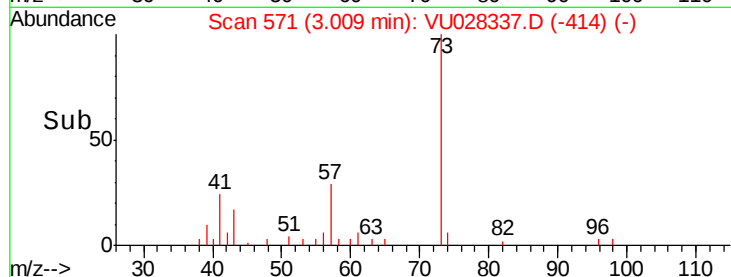


Abundance Ion 73.00 (72.70 to 73.70): VU028331.D (-551) (-)

Ion 43.00 (42.70 to 43.70): VU028331.D (-551) (-)

3.01

Time-->

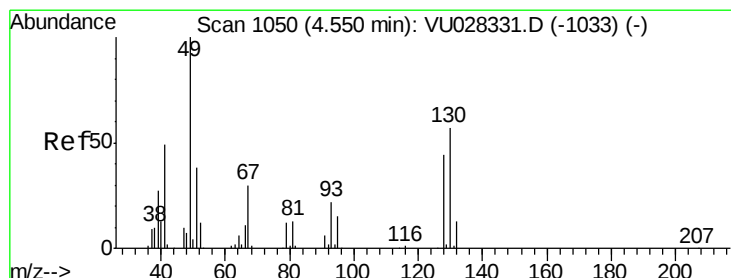


Abundance Ion 73.00 (72.70 to 73.70): VU028337.D (-414) (-)

Ion 43.00 (42.70 to 43.70): VU028337.D (-414) (-)

3.01

Time-->



#26

Bromochloromethane

Concen: 0.234 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

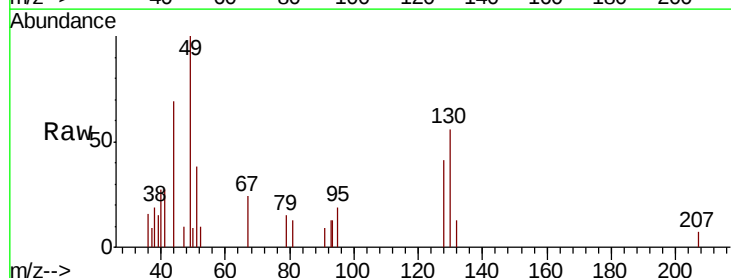
Tgt Ion: 128 Resp: 1392

Ion Ratio Lower Upper

128 100

49 283.5 0.0 457.6

130 155.7 101.4 152.2#



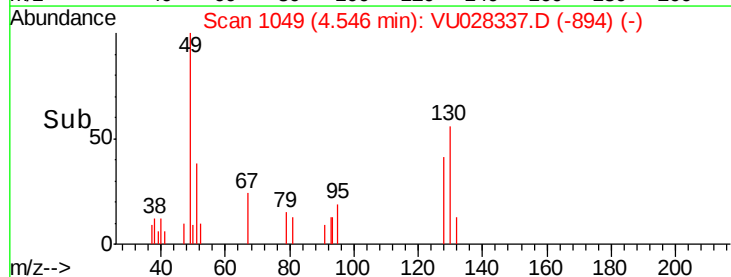
Abundance Ion 128.00 (127.70 to 128.70): VU028331.D (-1033) (-)

Ion 49.00 (48.70 to 49.70): VU028331.D (-1033) (-)

Ion 130.00 (129.70 to 130.70): VU028331.D (-1033) (-)

4.55

Time-->



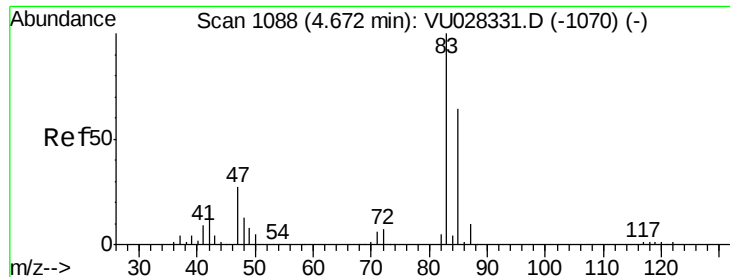
Abundance Ion 128.00 (127.70 to 128.70): VU028337.D (-894) (-)

Ion 49.00 (48.70 to 49.70): VU028337.D (-894) (-)

Ion 130.00 (129.70 to 130.70): VU028337.D (-894) (-)

4.55

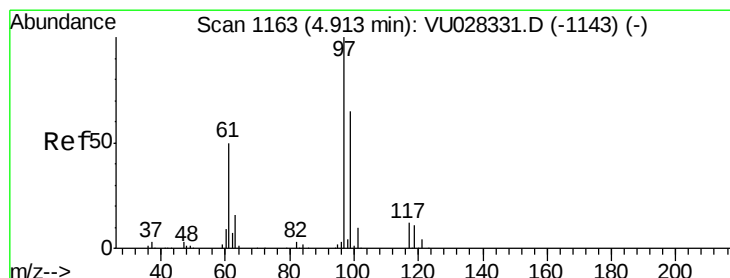
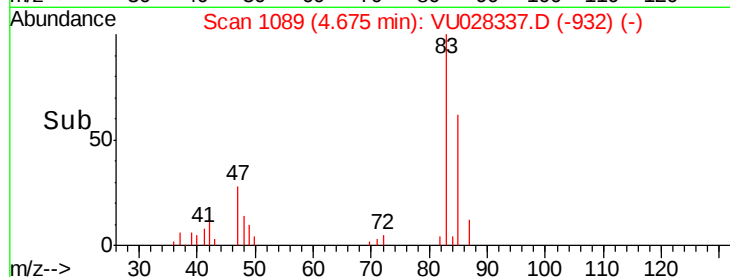
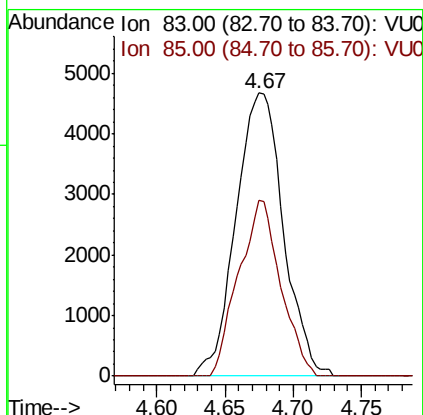
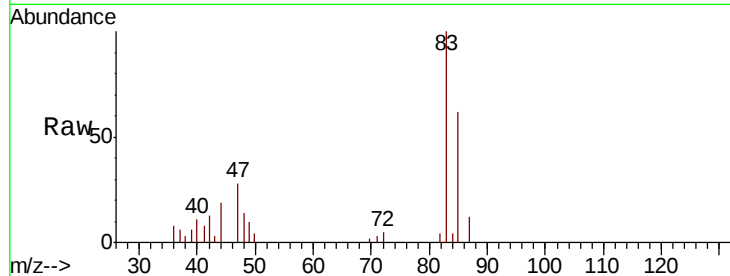
Time-->



#27
Chloroform
Concen: 0.395 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

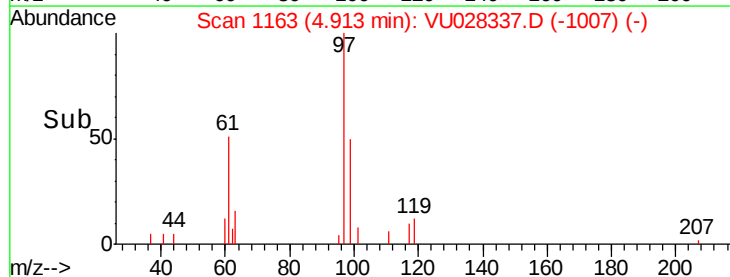
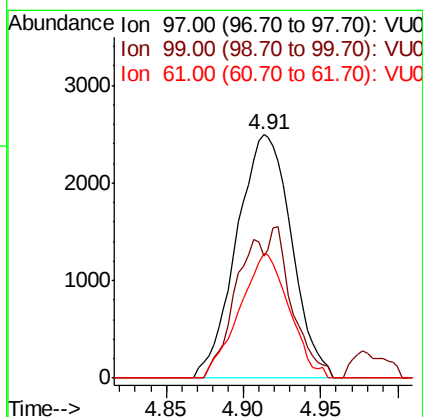
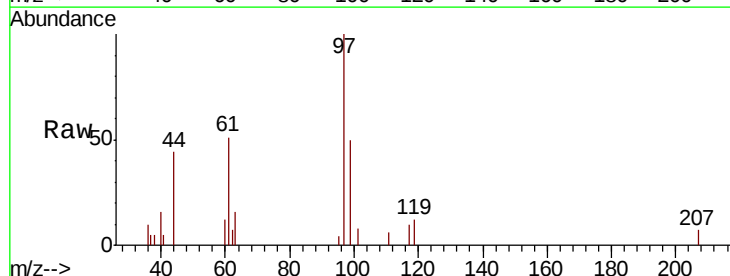
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

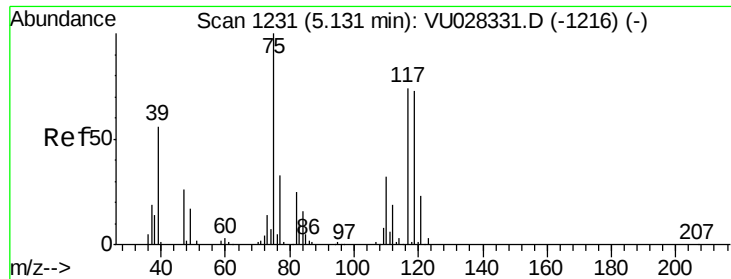
Tgt Ion: 83 Resp: 11318
Ion Ratio Lower Upper
83 100
85 62.1 0.0 128.0



#28
1,1,1-Trichloroethane
Concen: 0.275 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion: 97 Resp: 6144
Ion Ratio Lower Upper
97 100
99 31.0 32.2 96.6#
61 46.7 24.9 74.7

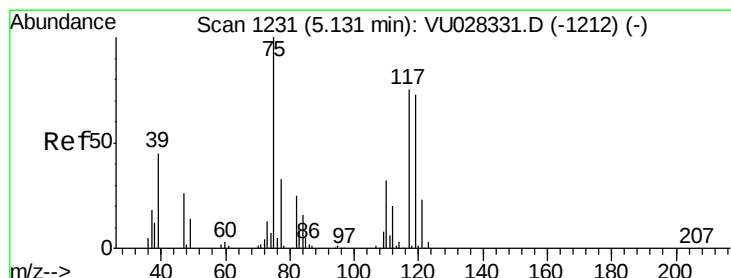
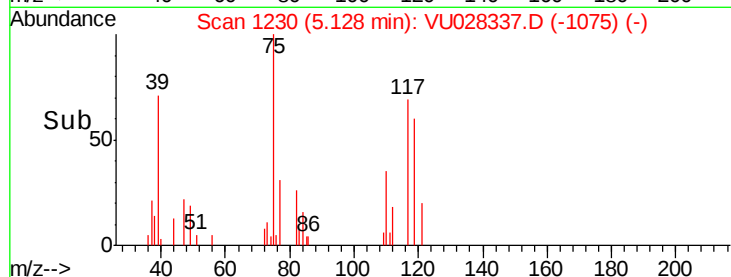
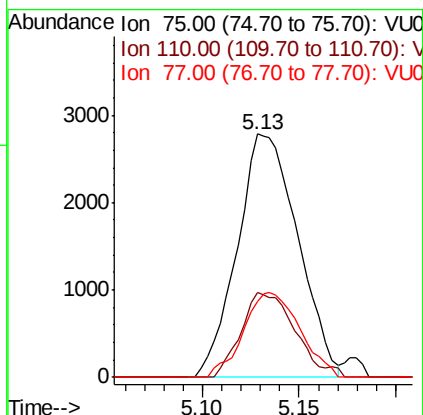
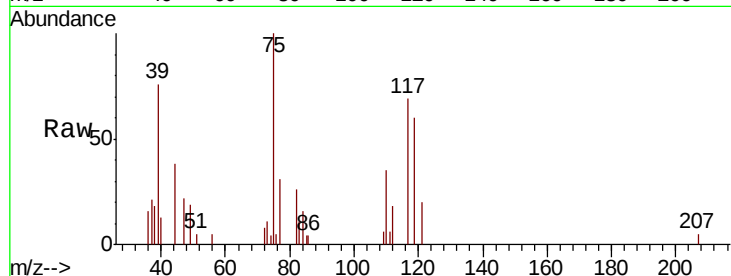




#29
 1,1-Dichloropropene
 Concen: 0.283 ug/l
 RT: 5.13 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

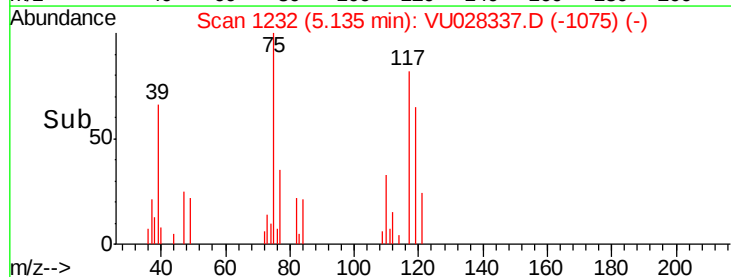
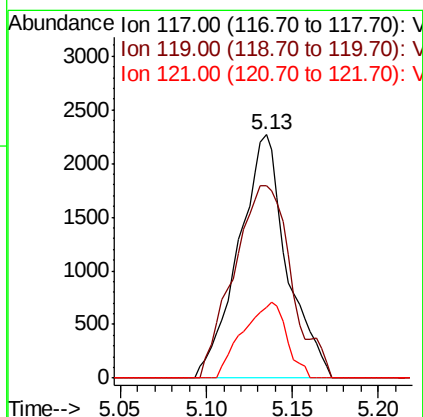
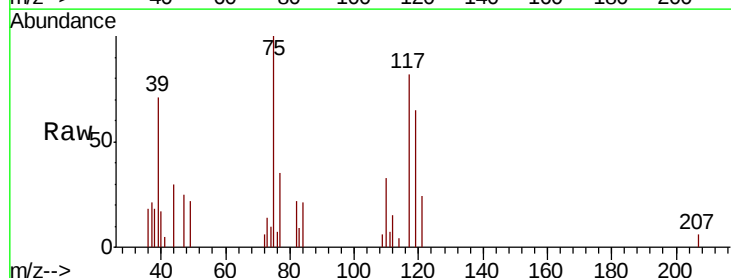
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

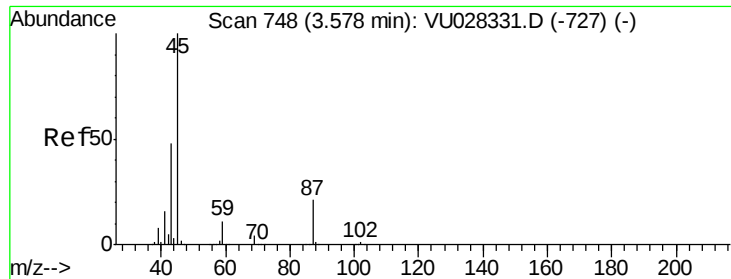
Tgt Ion: 75 Resp: 6071
 Ion Ratio Lower Upper
 75 100
 110 31.1 15.8 47.3
 77 32.4 25.4 38.0



#30
 Carbon Tetrachloride
 Concen: 0.246 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion: 117 Resp: 4435
 Ion Ratio Lower Upper
 117 100
 119 79.1 78.2 117.4
 121 29.0 24.7 37.1





#31

Isopropyl Ether

Concen: 0.269 ug/l

RT: 3.58 min Scan# 748

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

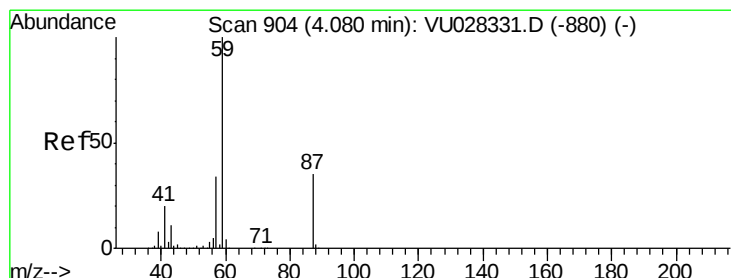
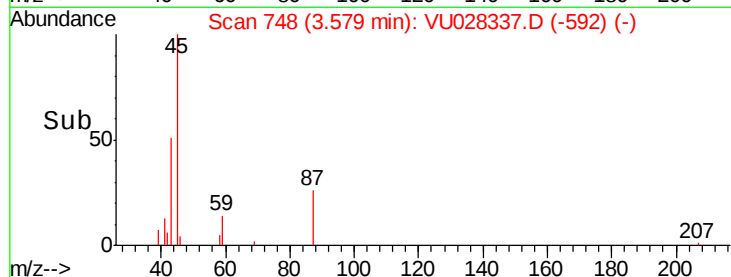
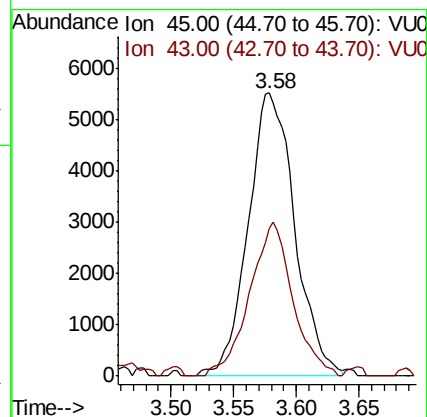
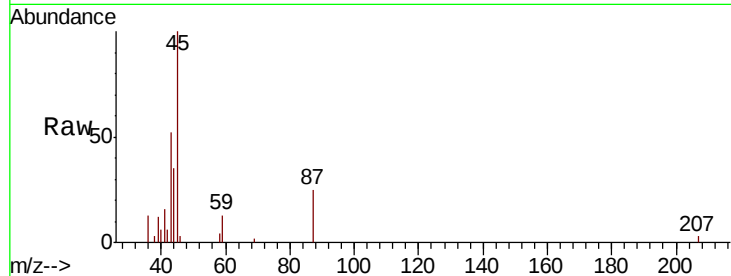
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 45 Resp: 14289

Ion Ratio Lower Upper

45 100

43 50.3 24.2 72.6



#32

Ethyl-t-butyl ether

Concen: 0.277 ug/l

RT: 4.07 min Scan# 902

Delta R.T. -0.01 min

Lab File: VU028337.D

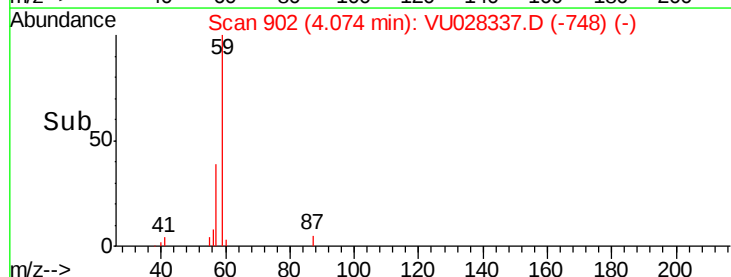
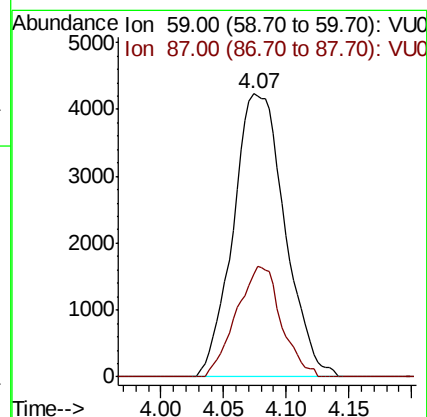
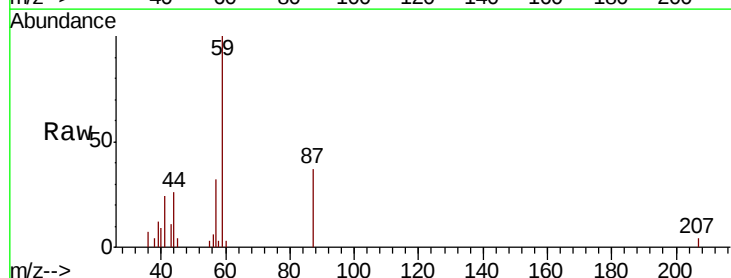
Acq: 26 Nov 2018 14:33

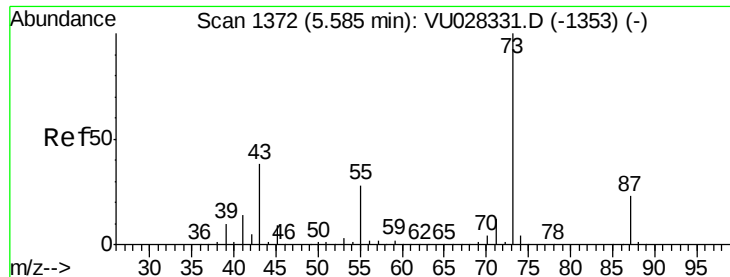
Tgt Ion: 59 Resp: 12120

Ion Ratio Lower Upper

59 100

87 33.9 28.2 42.4

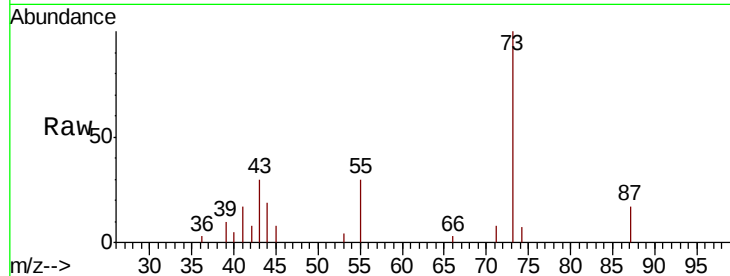




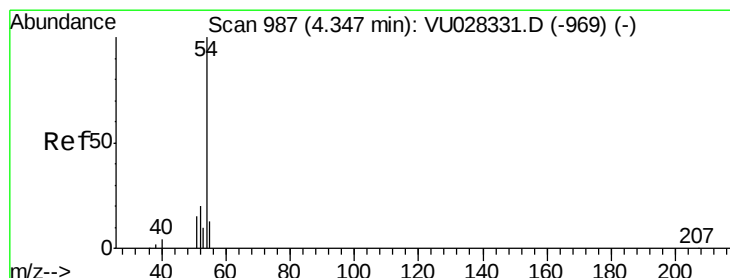
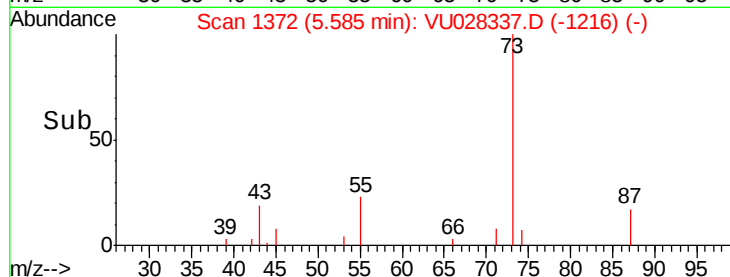
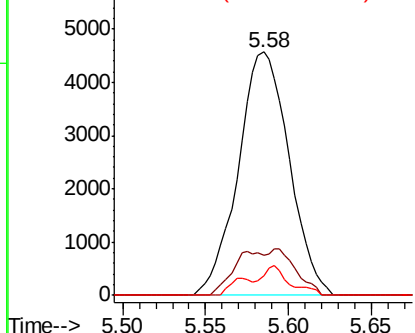
#33
Tert-Amyl methyl ether
Concen: 0.269 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 73 Resp: 9776
Ion Ratio Lower Upper
73 100
87 0.0 17.6 26.4#
71 3.5 9.2 13.8#

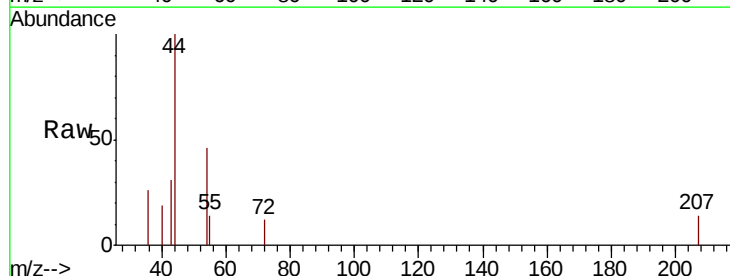


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

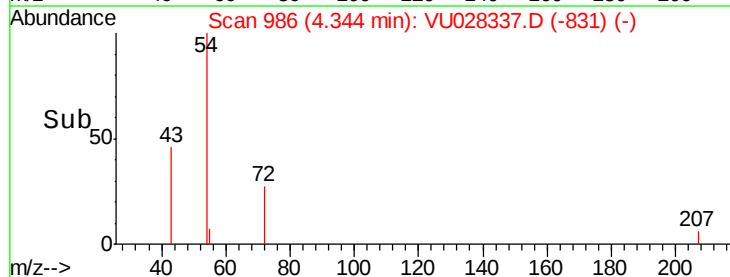
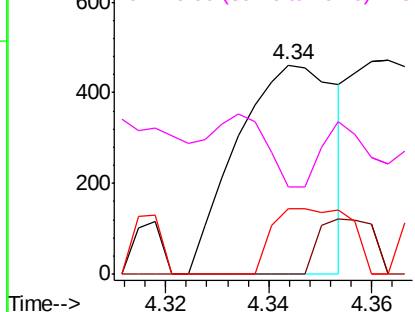


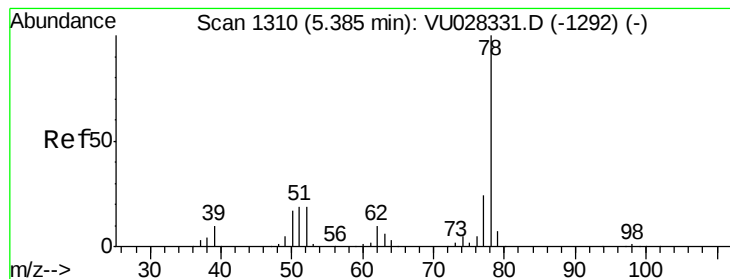
#34
Propionitrile
Concen: 0.466 ug/l
RT: 4.34 min Scan# 986
Delta R.T. -0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion: 54 Resp: 614
Ion Ratio Lower Upper
54 100
52 0.0 16.6 25.0#
55 24.8 12.9 19.3#
40 16.4 2.6 4.0#



Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 0.285 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

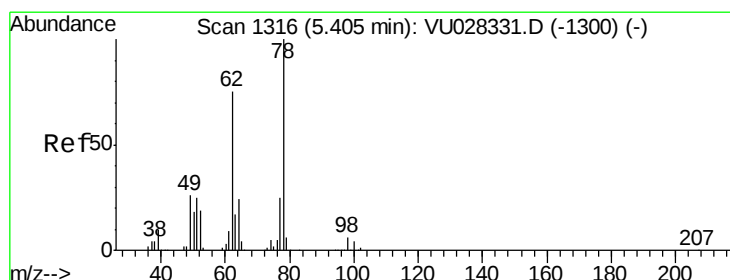
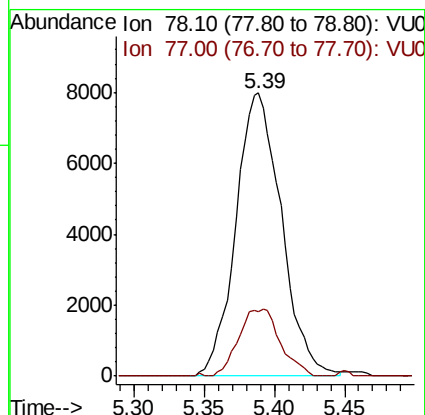
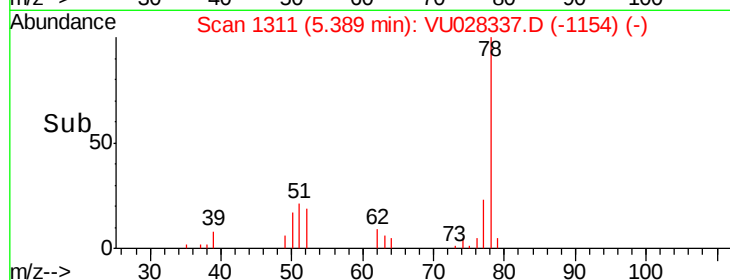
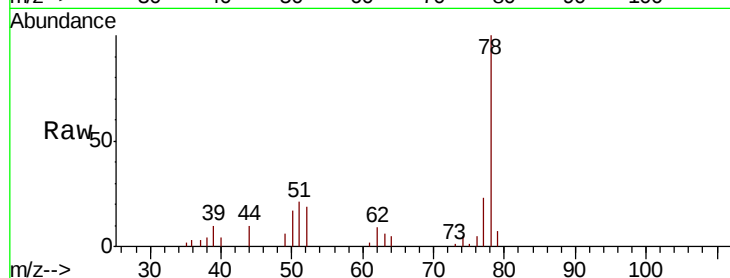
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 78 Resp: 18008

Ion Ratio Lower Upper

78 100

77 23.0 19.5 29.3



#36

1,2-Dichloroethane

Concen: 0.285 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU028337.D

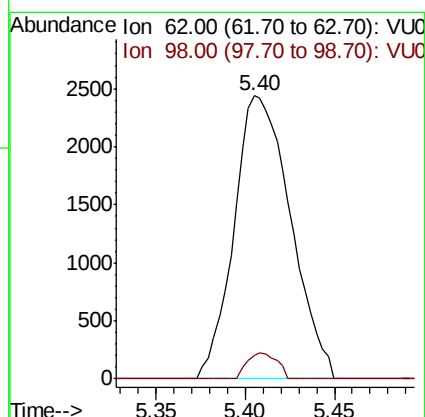
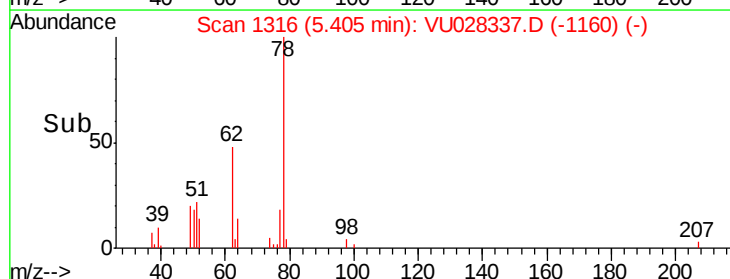
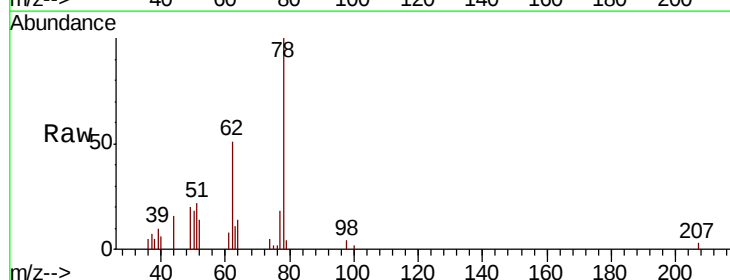
Acq: 26 Nov 2018 14:33

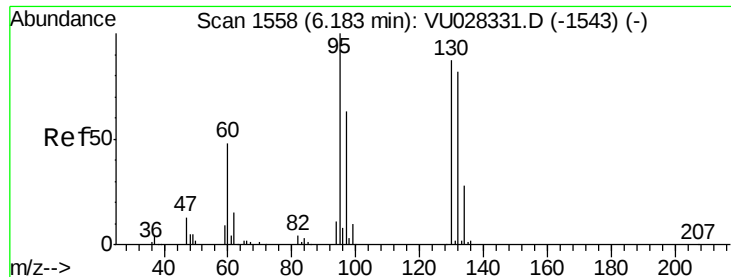
Tgt Ion: 62 Resp: 5383

Ion Ratio Lower Upper

62 100

98 4.8 6.0 9.0#





#37

Trichloroethene

Concen: 0.317 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

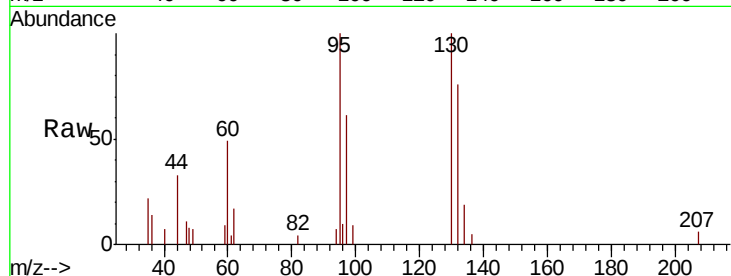
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:130 Resp: 4362

Ion Ratio Lower Upper

130 100

95 100.1 91.5 137.3



Abundance Ion 129.90 (129.60 to 130.60): VU028337.D (-1543) (-)

Ion 94.90 (94.60 to 95.60): VU028337.D (-1543) (-)

6.19

2500

2000

1500

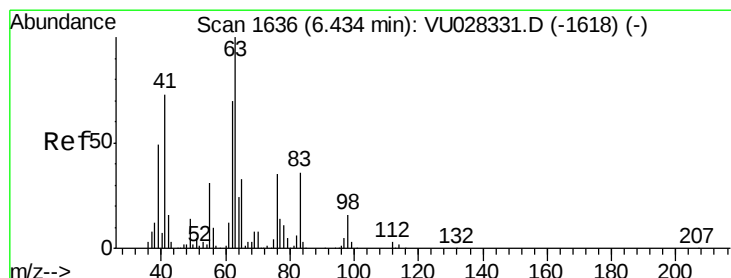
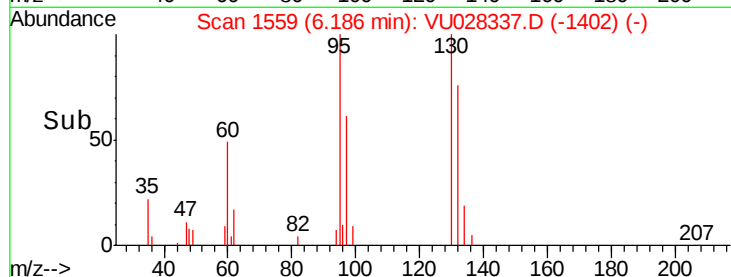
1000

500

0

6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 0.258 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028337.D

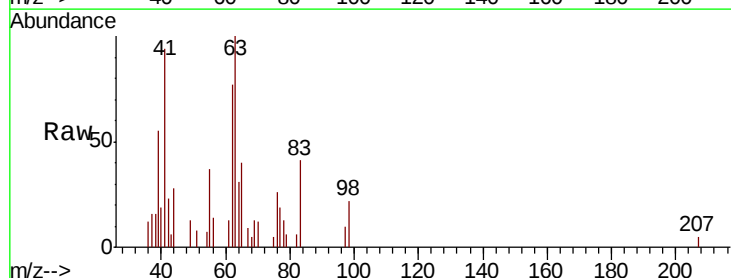
Acq: 26 Nov 2018 14:33

Tgt Ion: 63 Resp: 4641

Ion Ratio Lower Upper

63 100

65 39.7 26.2 39.4#



Abundance Ion 63.00 (62.70 to 63.70): VU028337.D (-1618) (-)

Ion 65.00 (64.70 to 65.70): VU028337.D (-1618) (-)

6.43

2500

2000

1500

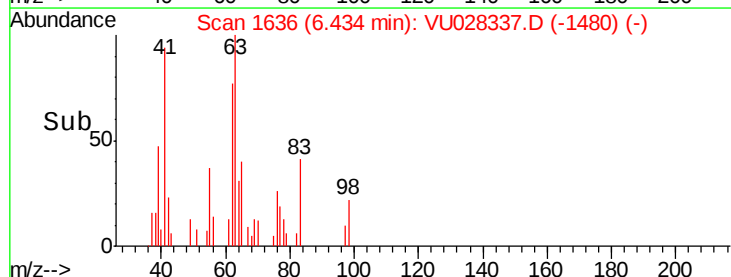
1000

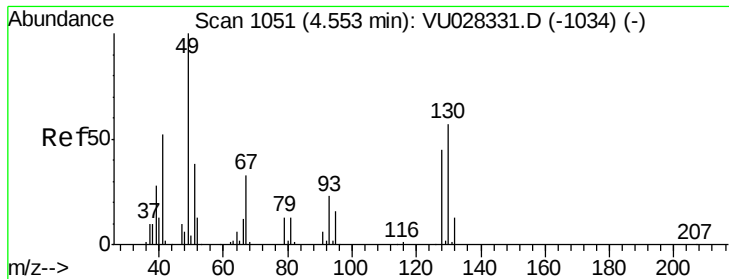
500

0

6.40 6.45 6.50

Time-->

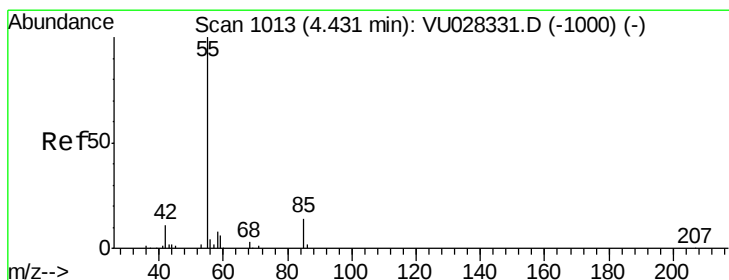
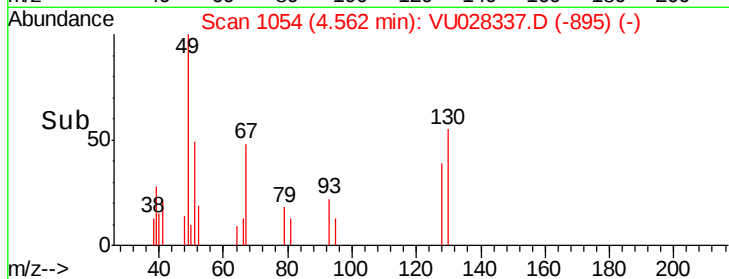
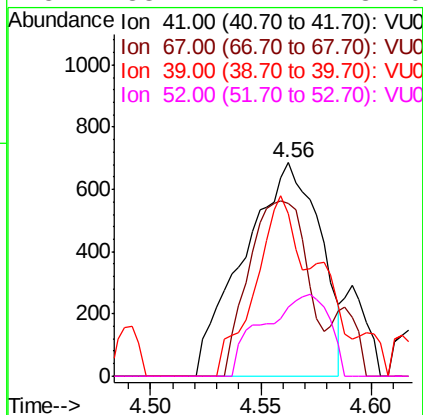
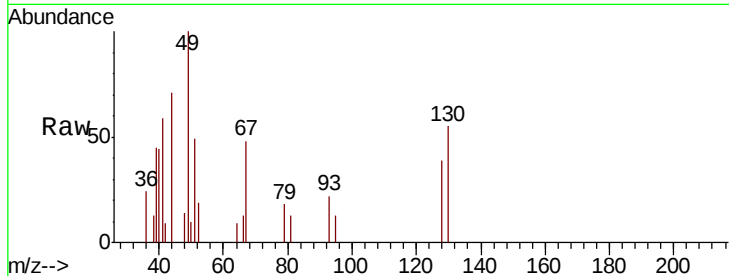




#39
Methacrylonitrile
Concen: 0.233 ug/l
RT: 4.56 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

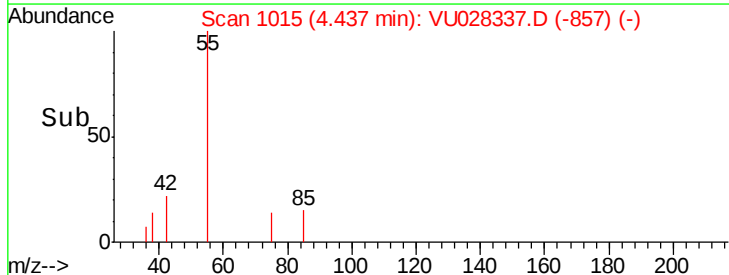
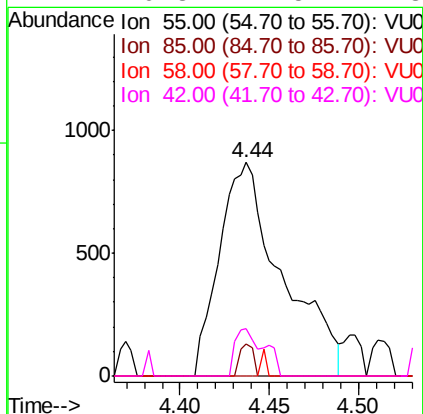
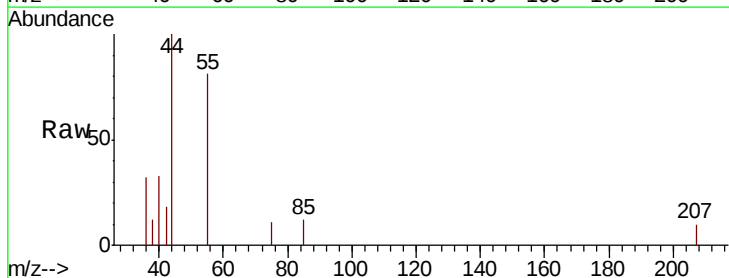
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

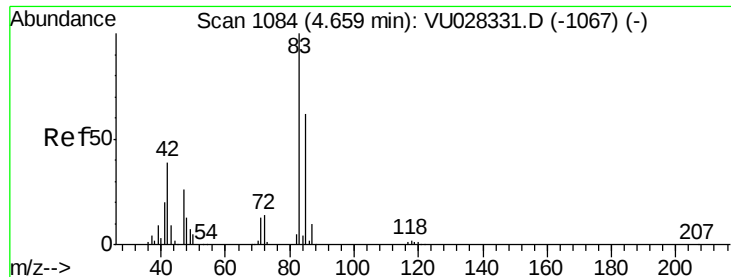
Tgt Ion:	41	Resp:	1644
Ion	Ratio	Lower	Upper
41	100		
67	62.8	48.2	72.4
39	50.9	42.9	64.3
52	33.2	21.4	32.0#



#40
Methyl acrylate
Concen: 0.220 ug/l
RT: 4.44 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion:	55	Resp:	2135
Ion	Ratio	Lower	Upper
55	100		
85	0.0	10.9	16.3#
58	1.0	6.4	9.6#
42	10.3	7.5	11.3





#41

Tetrahydrofuran

Concen: 0.553 ug/l

RT: 4.67 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

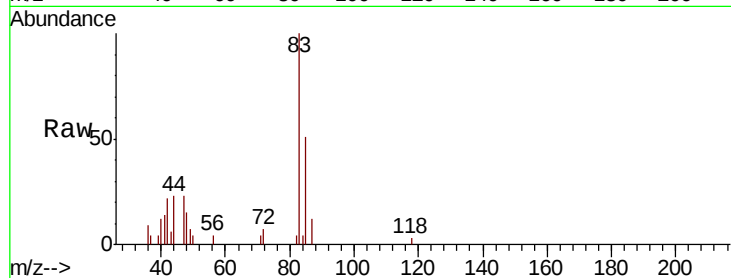
Tgt Ion: 42 Resp: 1965

Ion Ratio Lower Upper

42 100

72 26.2 29.8 44.6#

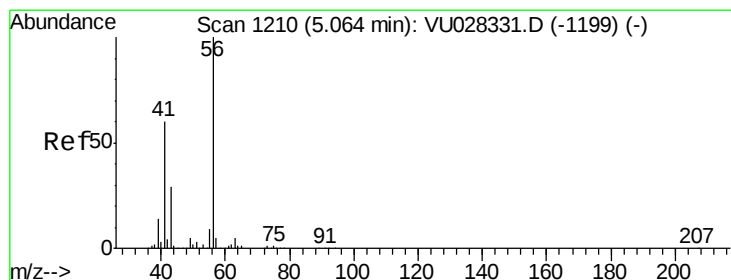
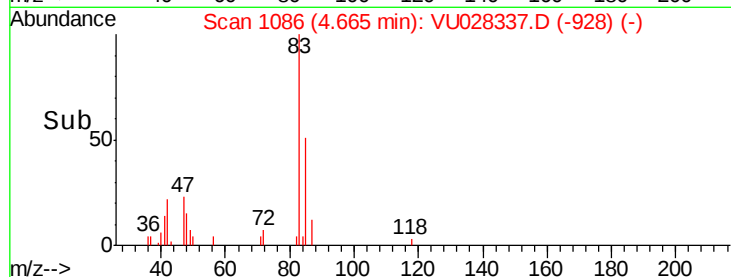
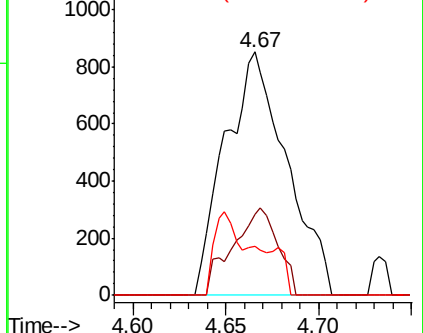
71 19.5 25.9 38.9#



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: 0.262 ug/l

RT: 5.07 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VU028337.D

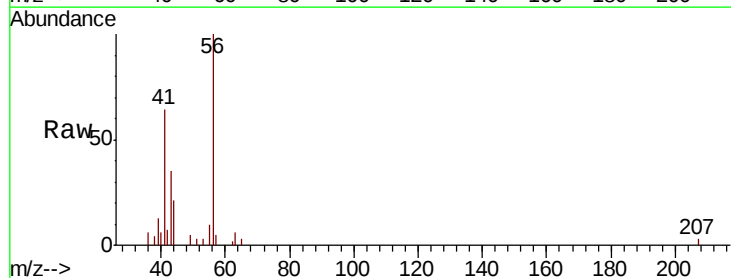
Acq: 26 Nov 2018 14:33

Tgt Ion: 56 Resp: 8931

Ion Ratio Lower Upper

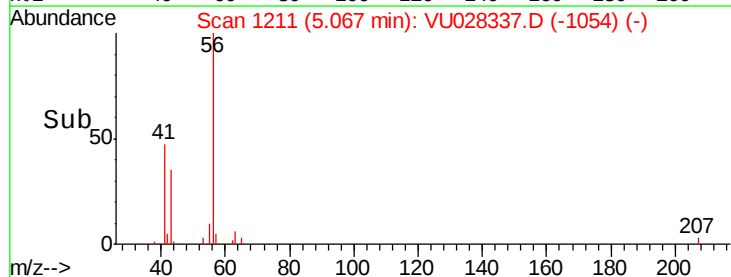
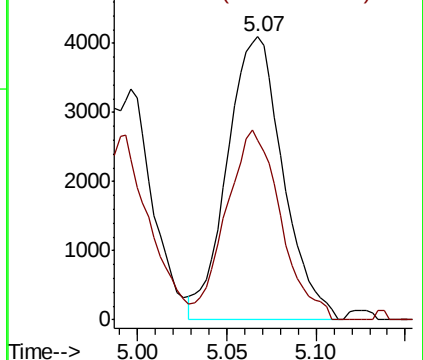
56 100

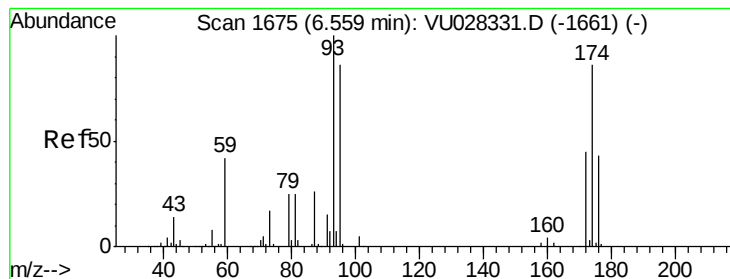
41 66.0 29.8 89.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 0.286 ug/l

RT: 6.57 min Scan# 1677

Delta R.T. 0.01 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

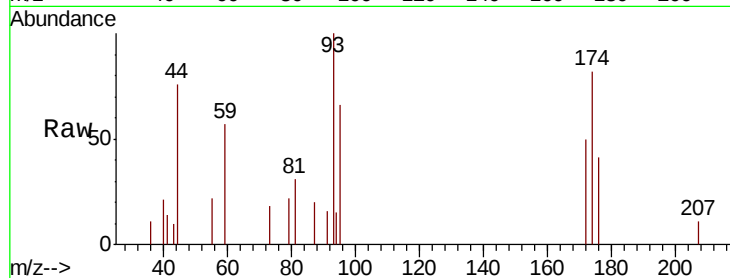
Tgt Ion: 93 Resp: 2190

Ion Ratio Lower Upper

93 100

95 82.6 66.6 99.8

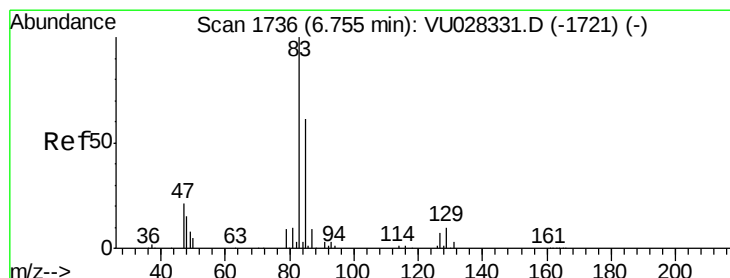
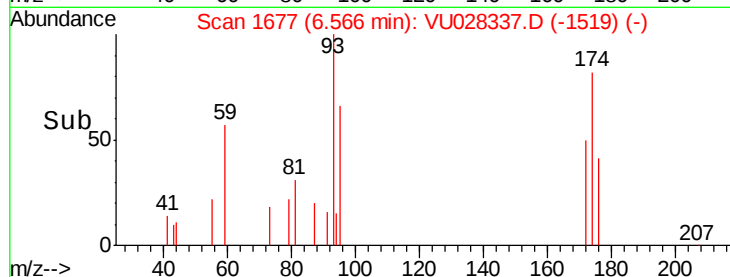
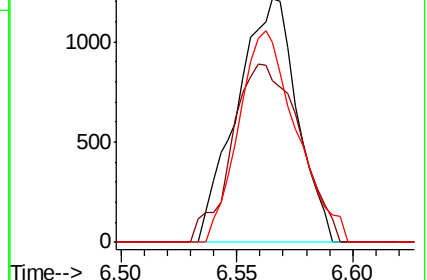
174 83.3 69.4 104.2



Abundance Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 0.301 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

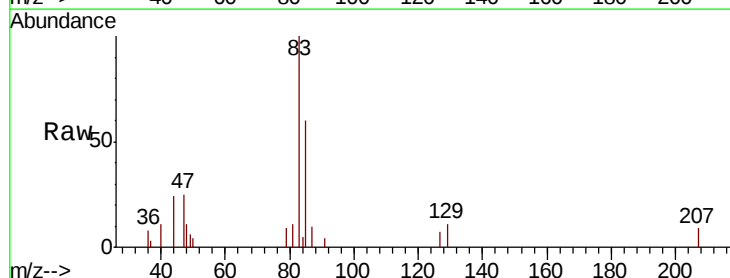
Tgt Ion: 83 Resp: 6097

Ion Ratio Lower Upper

83 100

85 59.8 49.0 73.6

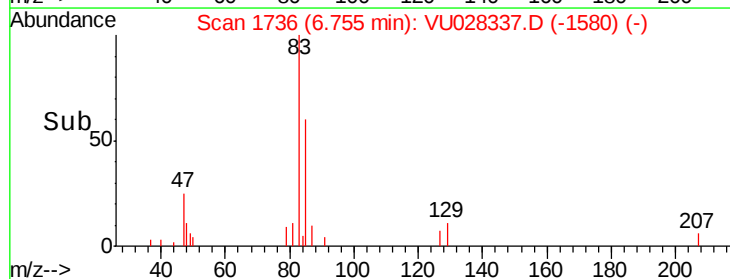
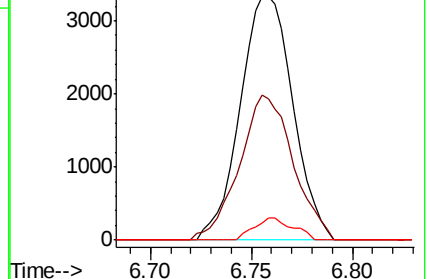
127 7.1 5.7 8.5

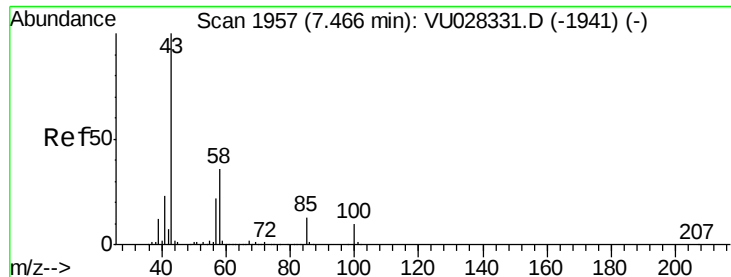


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

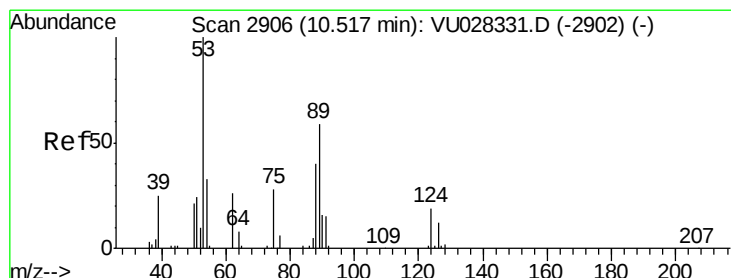
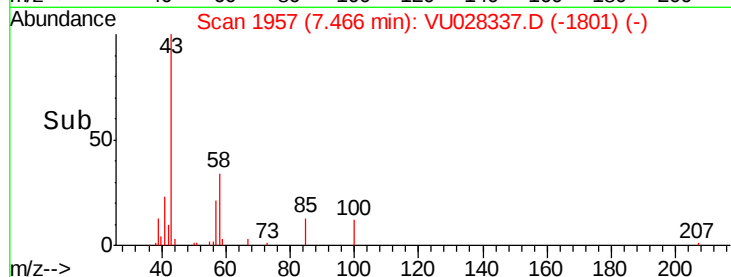
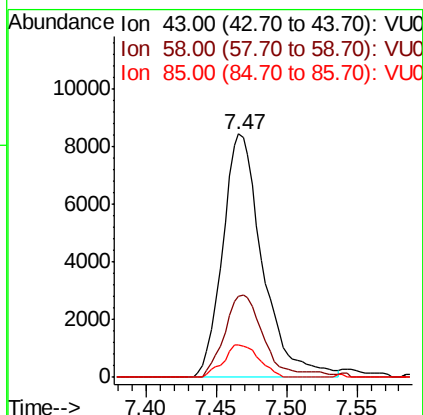
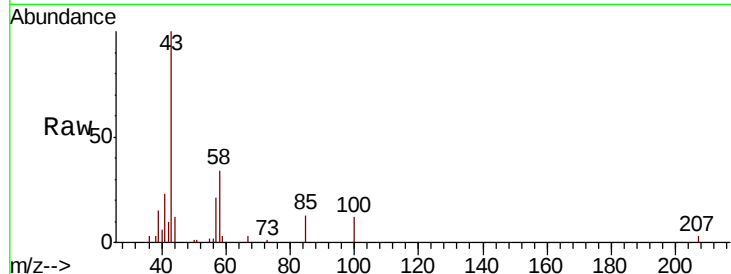




#45
 4-Methyl-2-Pentanone
 Concen: 1.354 ug/l
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

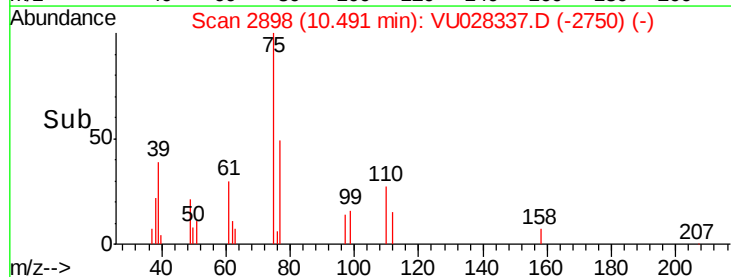
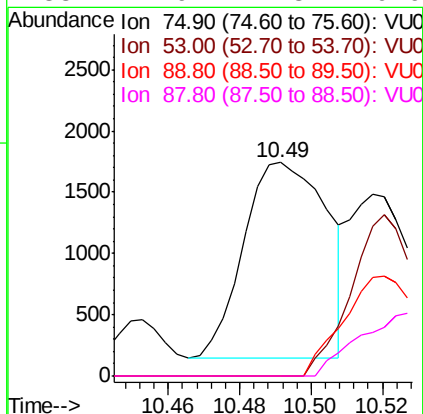
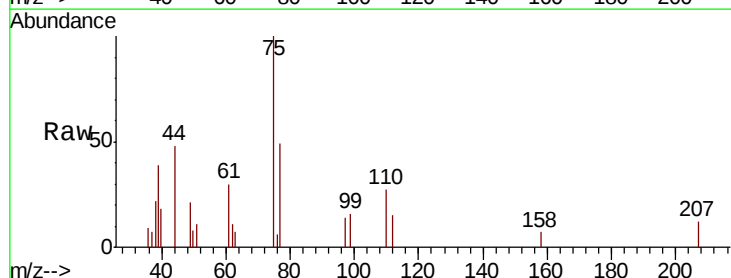
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

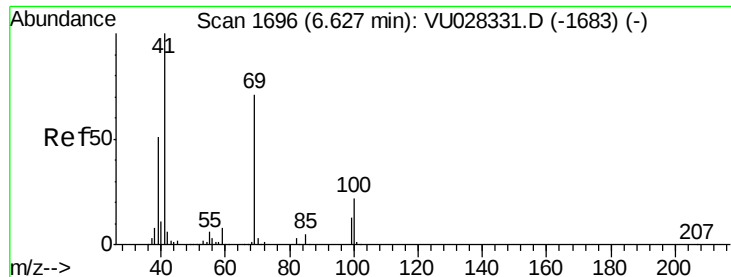
Tgt Ion: 43 Resp: 16670
 Ion Ratio Lower Upper
 43 100
 58 32.2 17.9 53.7
 85 12.0 10.8 16.2



#46
 t-1,4-Dichloro-2-butene
 Concen: 0.571 ug/l
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.03 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion: 75 Resp: 2571
 Ion Ratio Lower Upper
 75 100
 53 70.8 65.0 97.6
 89 45.8 38.6 58.0
 88 27.9 27.3 40.9

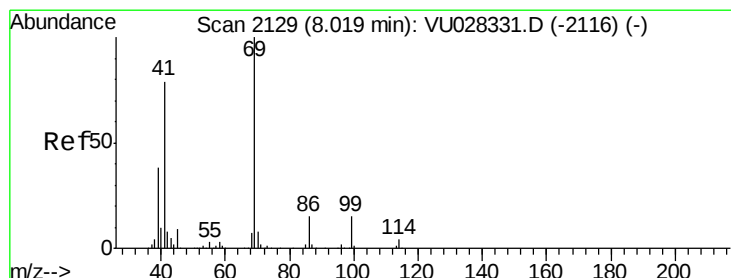
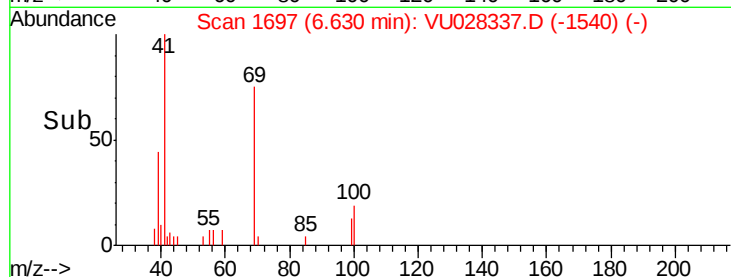
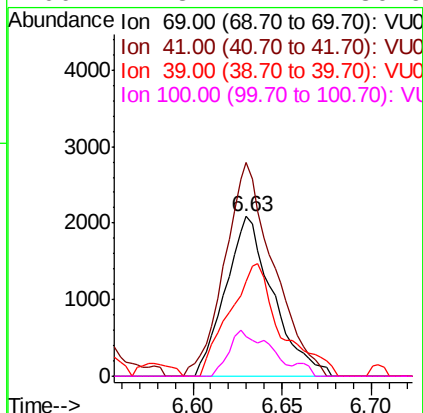
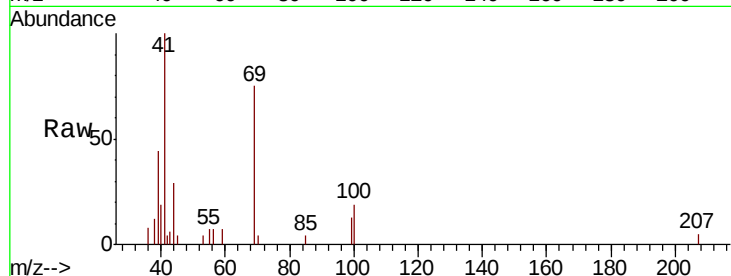




#47
Methyl methacrylate
Concen: 0.492 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

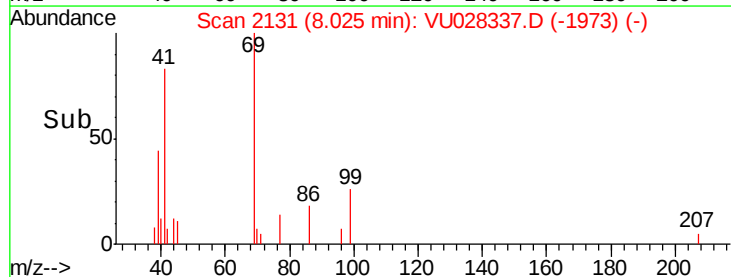
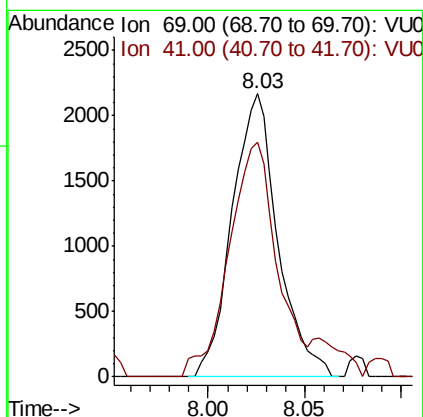
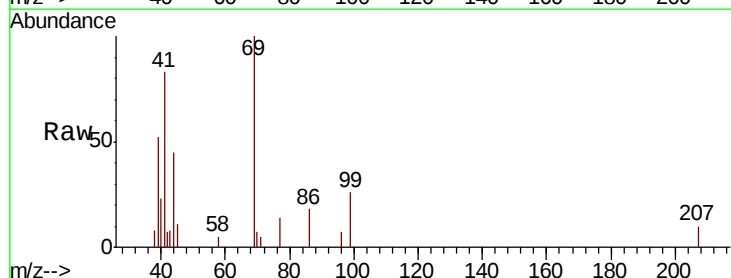
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

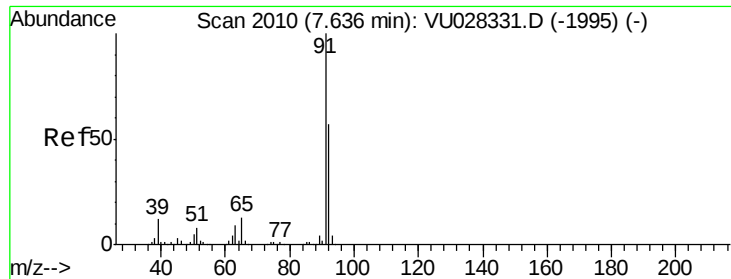
Tgt Ion: 69 Resp: 3854
Ion Ratio Lower Upper
69 100
41 137.4 0.0 277.2
39 76.0 57.6 86.4
100 24.3 24.4 36.6#



#48
Ethyl methacrylate
Concen: 0.227 ug/l
RT: 8.03 min Scan# 2131
Delta R.T. 0.01 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion: 69 Resp: 3553
Ion Ratio Lower Upper
69 100
41 86.6 39.4 118.2





#49

Toluene

Concen: 0.258 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

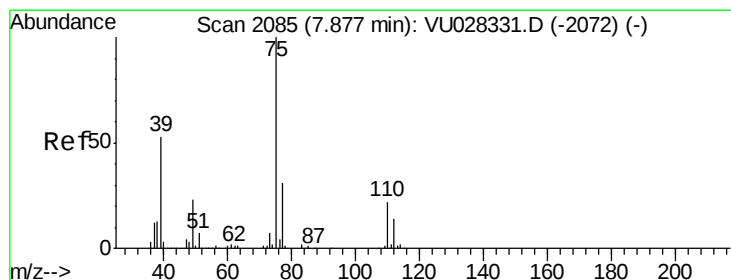
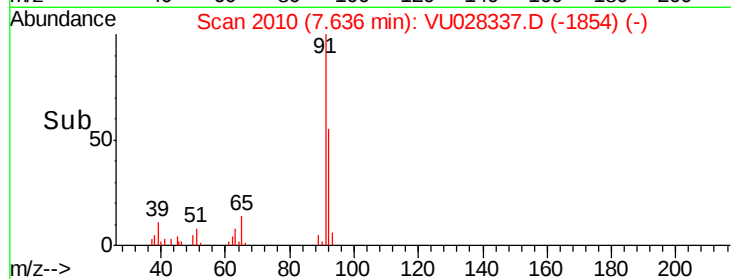
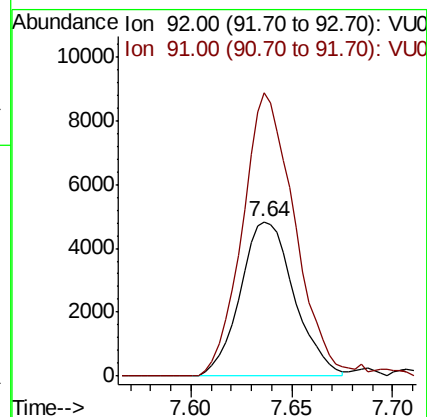
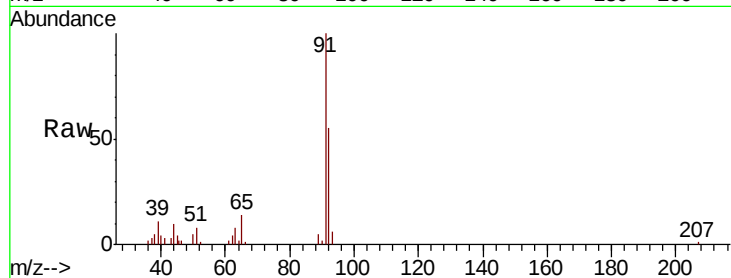
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 92 Resp: 9049

Ion Ratio Lower Upper

92 100

91 178.5 141.5 212.3



#50

t-1,3-Dichloropropene

Concen: 0.251 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. 0.01 min

Lab File: VU028337.D

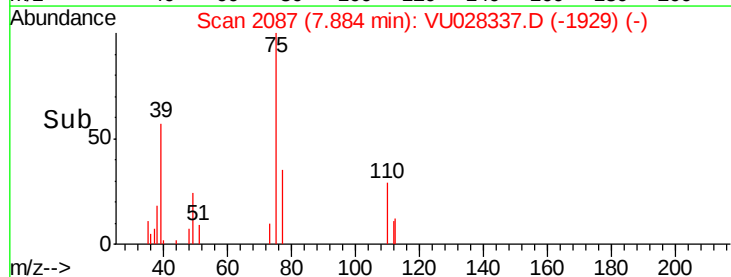
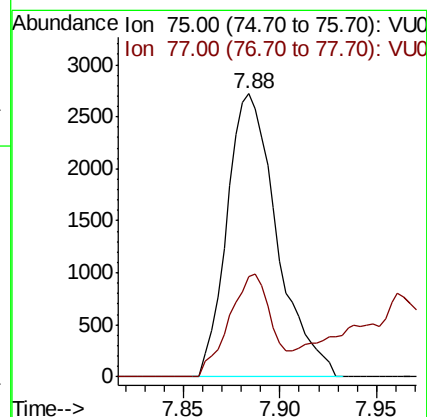
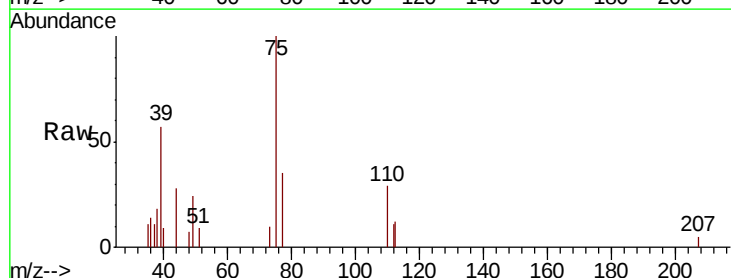
Acq: 26 Nov 2018 14:33

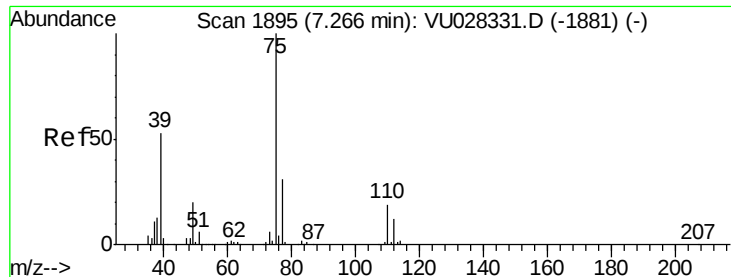
Tgt Ion: 75 Resp: 4880

Ion Ratio Lower Upper

75 100

77 35.2 24.7 37.1

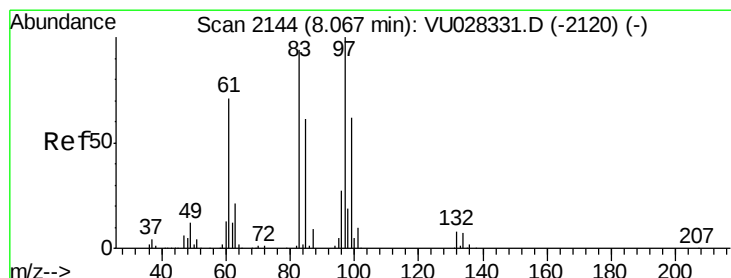
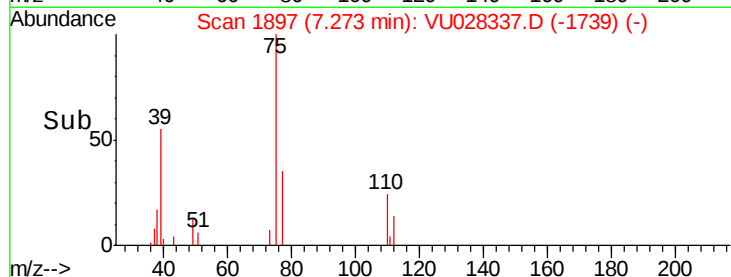
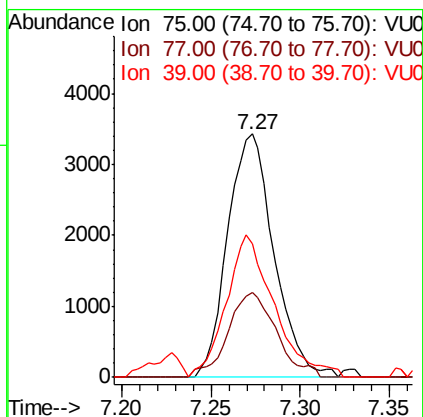
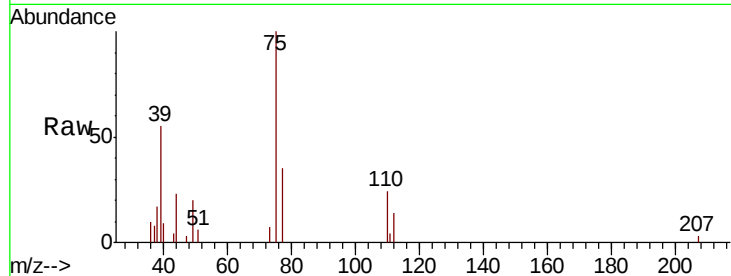




#51
 cis-1,3-Dichloropropene
 Concen: 0.258 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.01 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

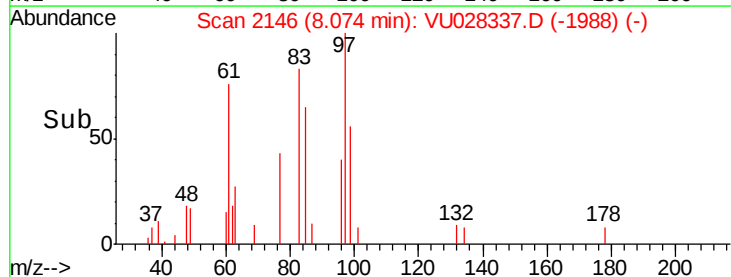
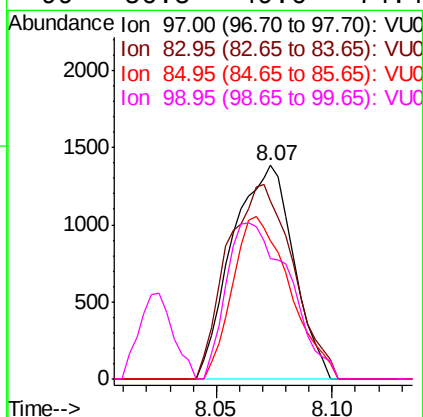
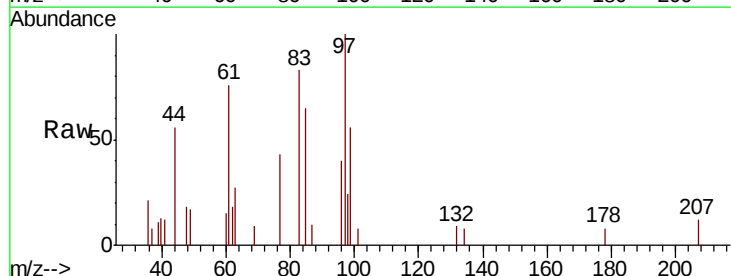
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

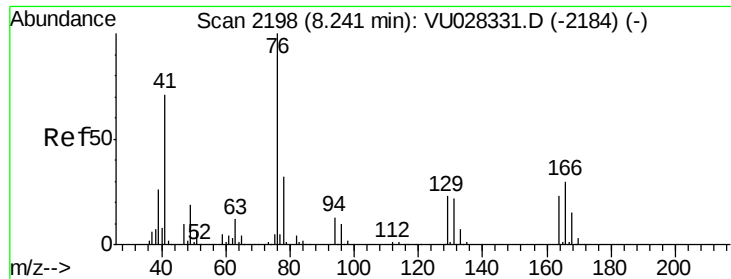
Tgt Ion: 75 Resp: 6202
 Ion Ratio Lower Upper
 75 100
 77 34.7 24.4 36.6
 39 54.9 42.8 64.2



#52
 1,1,2-Trichloroethane
 Concen: 0.236 ug/l
 RT: 8.07 min Scan# 2146
 Delta R.T. 0.01 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion: 97 Resp: 2544
 Ion Ratio Lower Upper
 97 100
 83 83.1 75.1 112.7
 85 64.8 48.7 73.1
 99 56.5 49.6 74.4

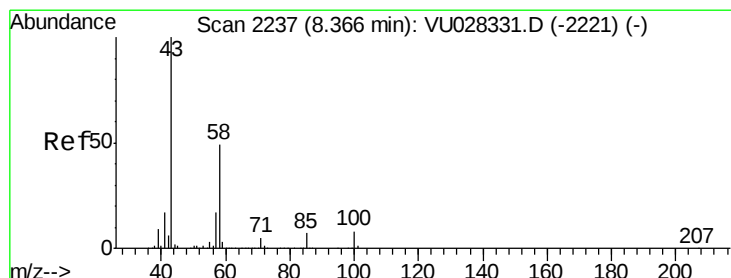
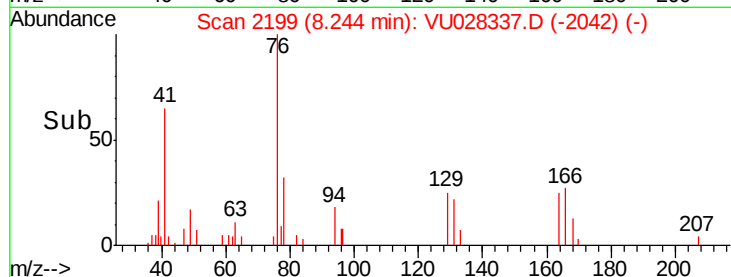
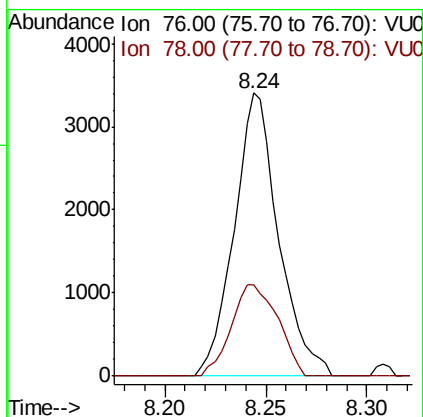
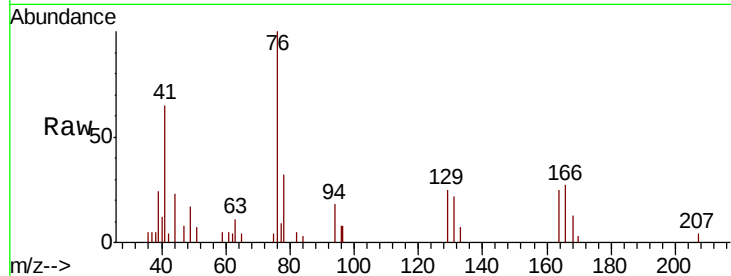




#53
 1,3-Dichloropropane
 Concen: 0.261 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

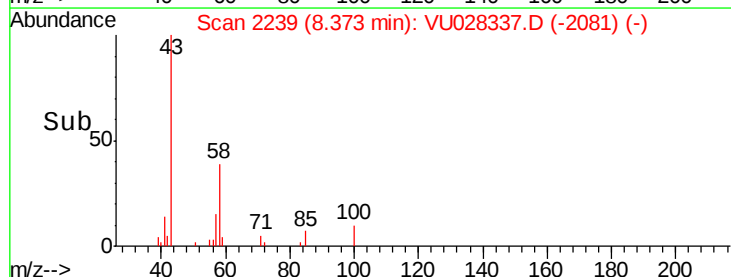
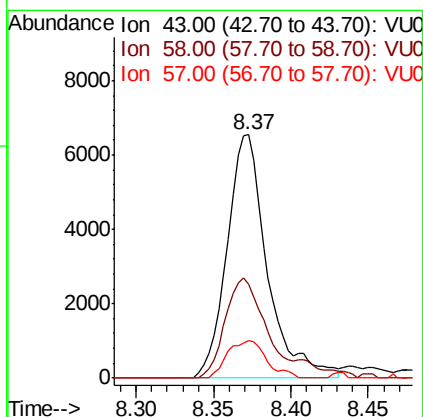
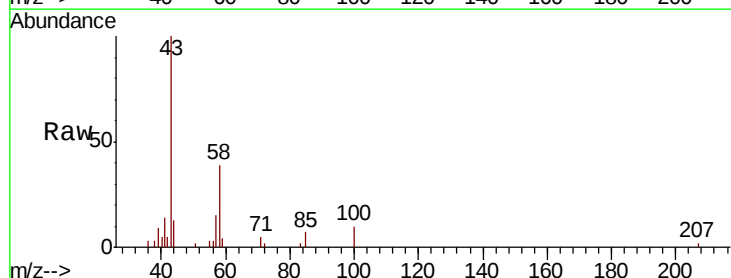
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

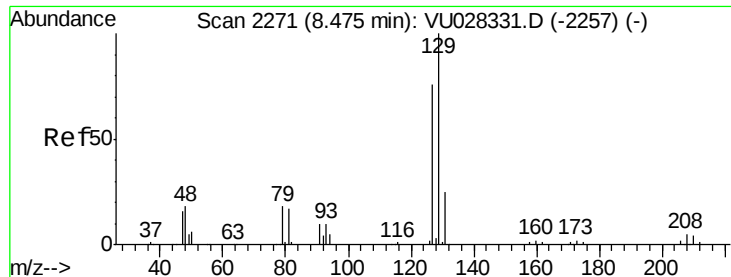
Tgt Ion: 76 Resp: 5244
 Ion Ratio Lower Upper
 76 100
 78 33.9 25.4 38.0



#54
 2-Hexanone
 Concen: 1.329 ug/l
 RT: 8.37 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion: 43 Resp: 11772
 Ion Ratio Lower Upper
 43 100
 58 46.6 29.3 69.3
 57 14.9 0.0 36.8





#55

Dibromochloromethane

Concen: 0.260 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

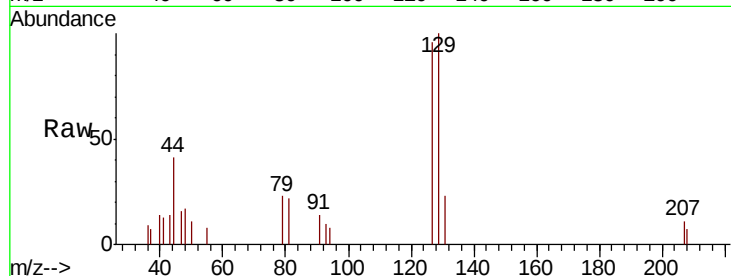
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:129 Resp: 2977

Ion Ratio Lower Upper

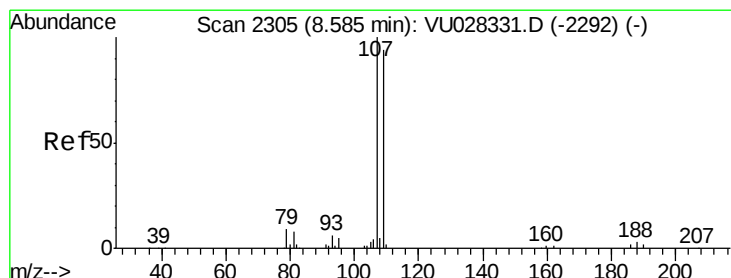
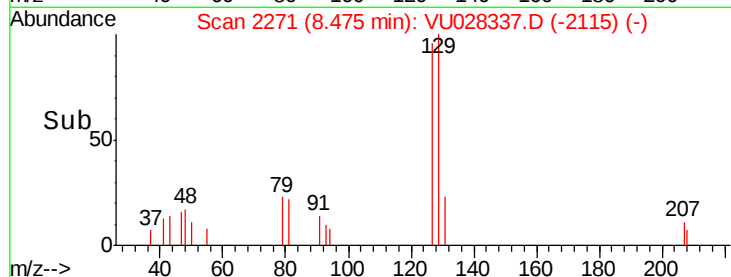
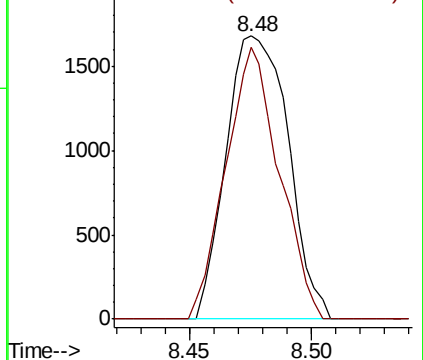
129 100

127 82.3 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: 0.256 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028337.D

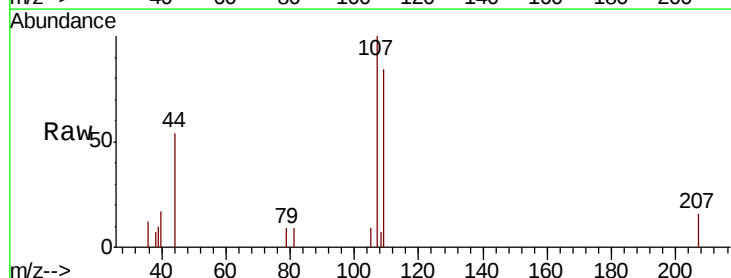
Acq: 26 Nov 2018 14:33

Tgt Ion:107 Resp: 2515

Ion Ratio Lower Upper

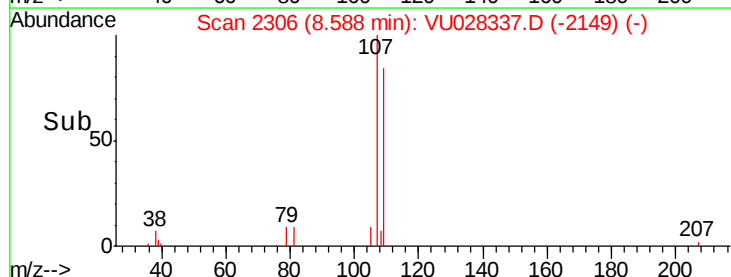
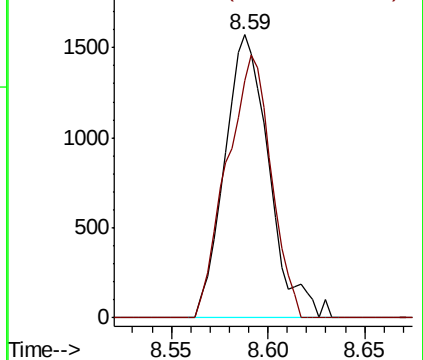
107 100

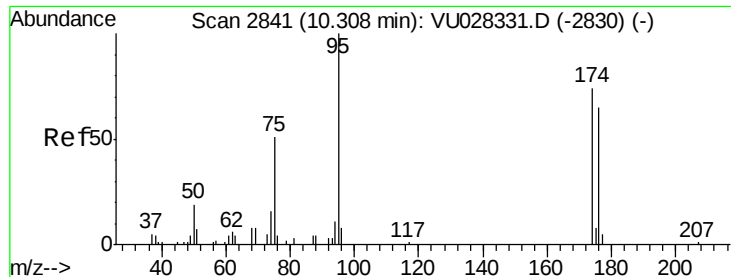
109 92.8 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.256 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

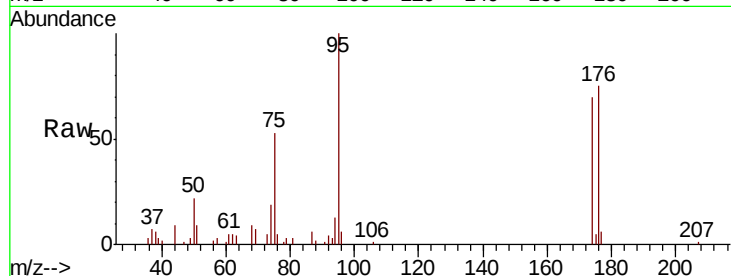
Tgt Ion: 95 Resp: 16921

Ion Ratio Lower Upper

95 100

174 73.2 59.3 88.9

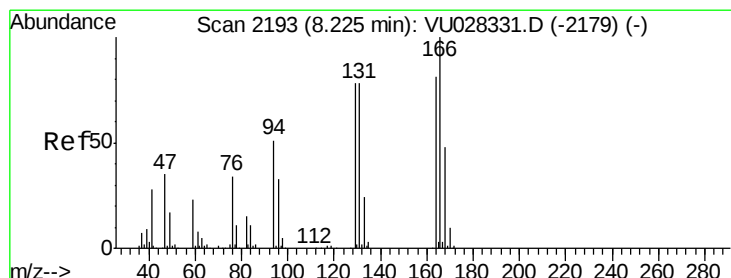
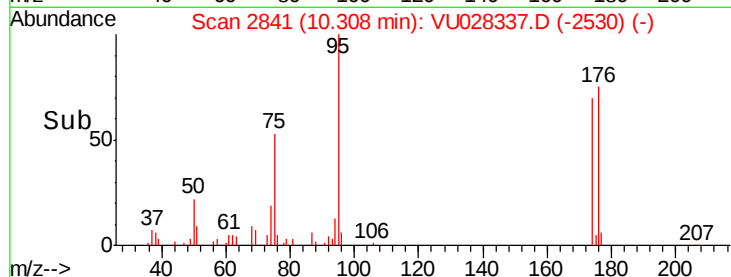
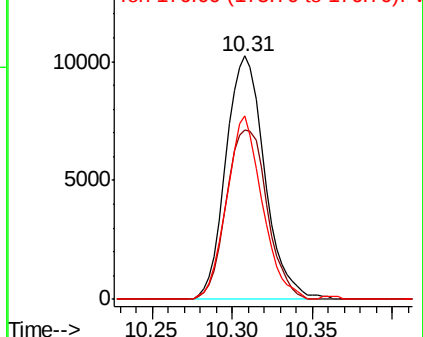
176 69.2 54.3 81.5



Abundance Ion 95.00 (94.70 to 95.70): VU028337.D (-2530) (-)

Ion 174.00 (173.70 to 174.70): VU028337.D (-2530) (-)

Ion 176.00 (175.70 to 176.70): VU028337.D (-2530) (-)



#58

Tetrachloroethene

Concen: 0.309 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Tgt Ion: 164 Resp: 3891

Ion Ratio Lower Upper

164 100

166 124.2 98.6 148.0

129 94.6 77.0 115.4

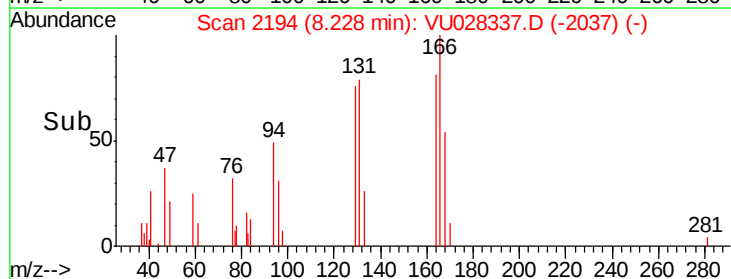
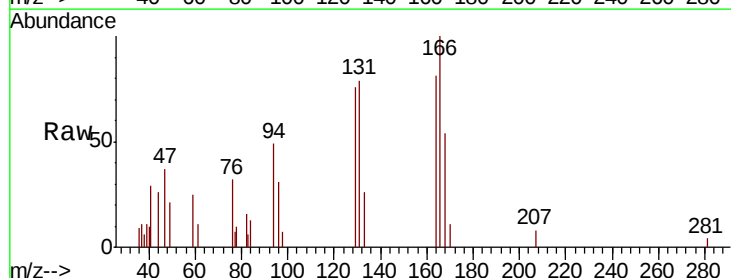
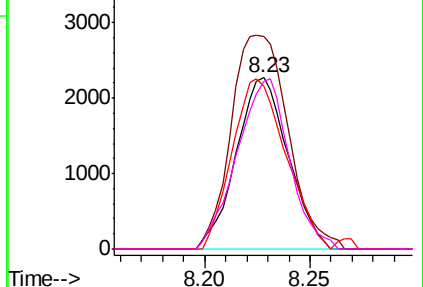
131 97.6 77.0 115.4

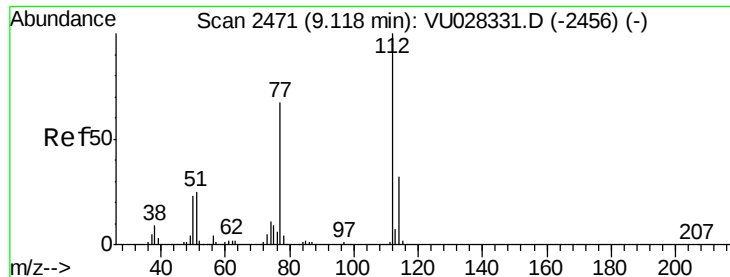
Abundance Ion 163.85 (163.55 to 164.55): VU028337.D (-2037) (-)

Ion 165.80 (165.50 to 166.50): VU028337.D (-2037) (-)

Ion 128.90 (128.60 to 129.60): VU028337.D (-2037) (-)

Ion 130.90 (130.60 to 131.60): VU028337.D (-2037) (-)

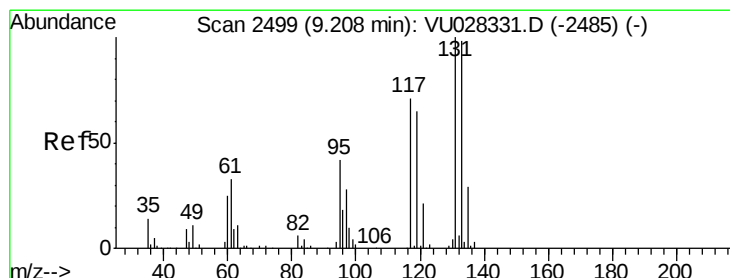
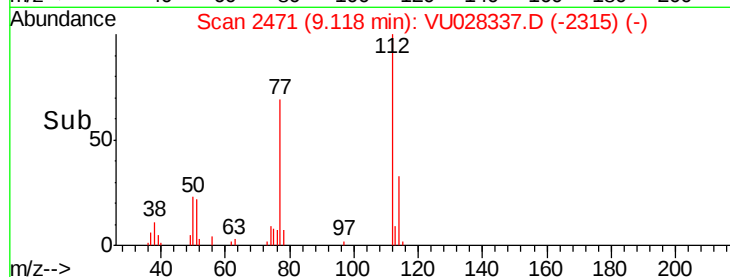
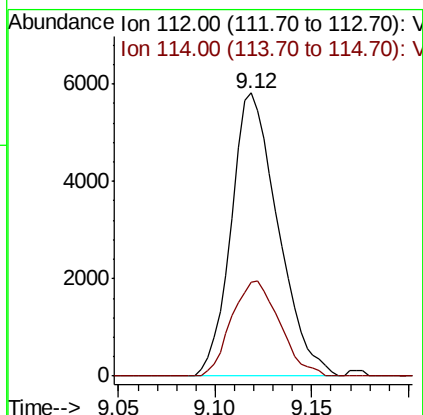
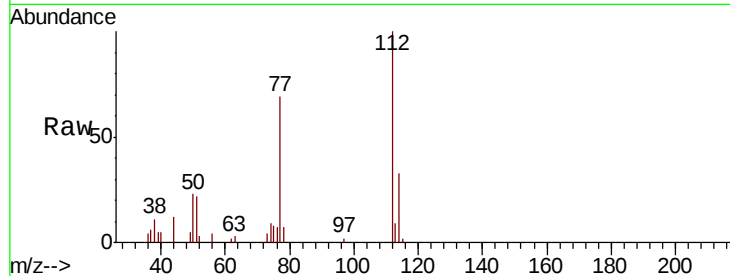




#59
Chlorobenzene
Concen: 0.267 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

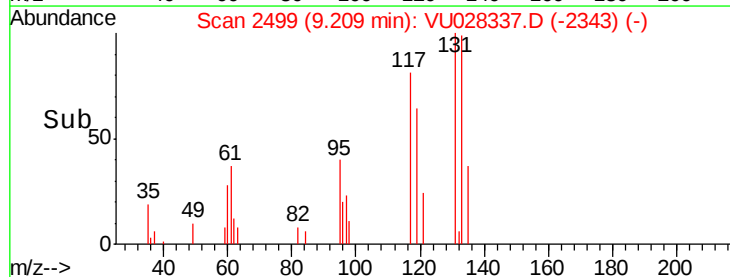
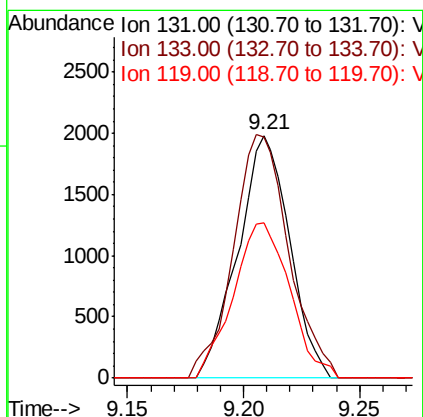
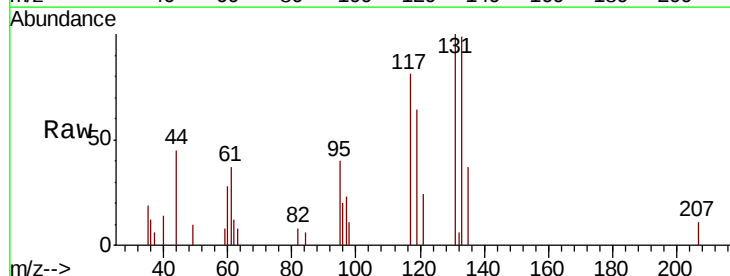
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

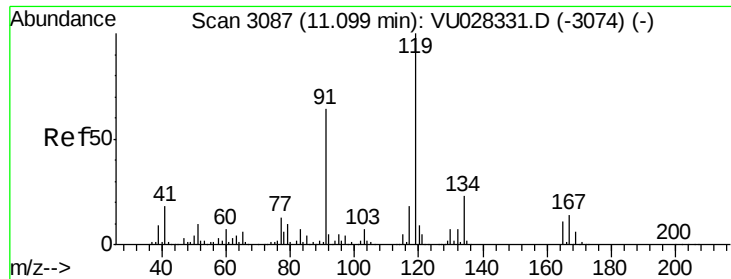
Tgt Ion:112 Resp: 9758
Ion Ratio Lower Upper
112 100
114 33.0 25.2 37.8



#60
1,1,1,2-Tetrachloroethane
Concen: 0.248 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion:131 Resp: 3071
Ion Ratio Lower Upper
131 100
133 107.5 77.7 116.5
119 69.8 54.3 81.5

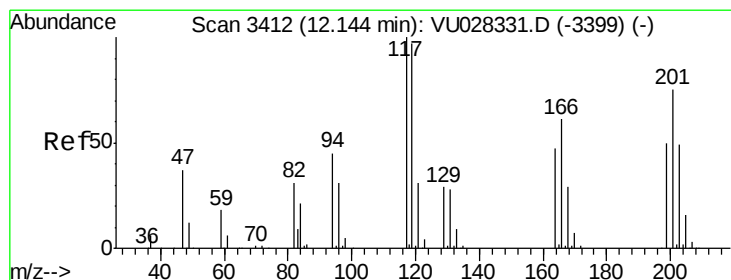
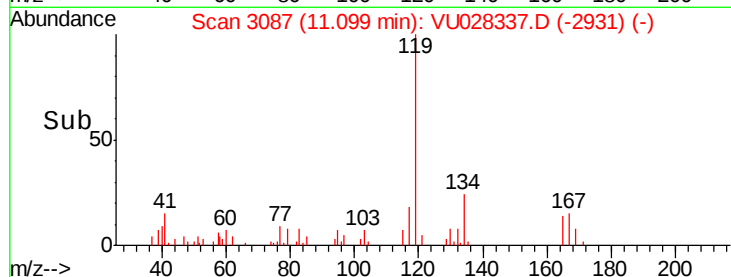
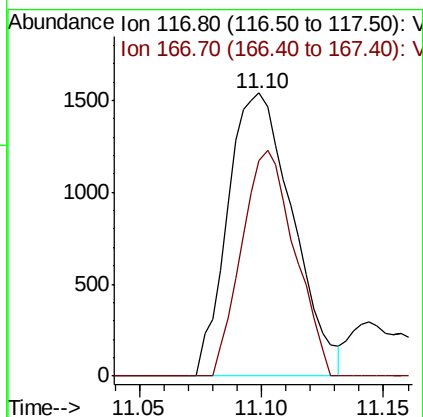
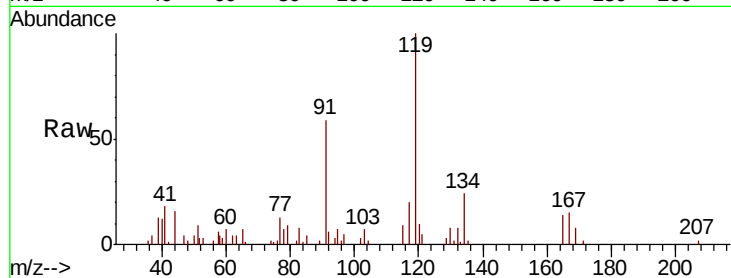




#61
Pentachloroethane
Concen: 0.296 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

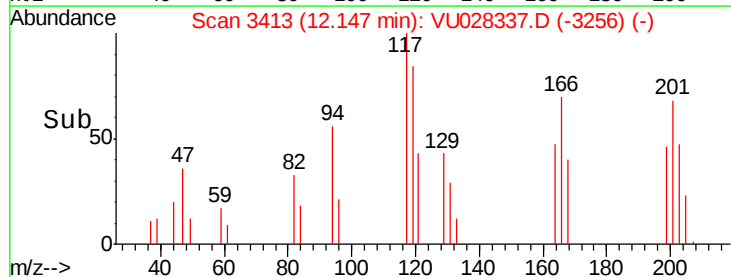
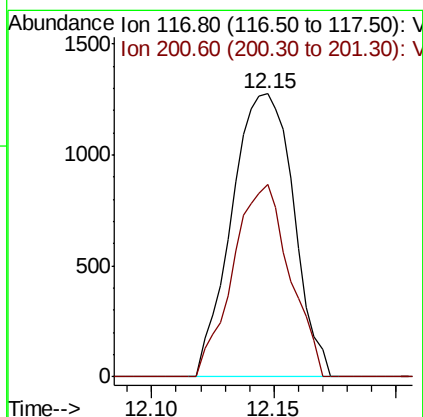
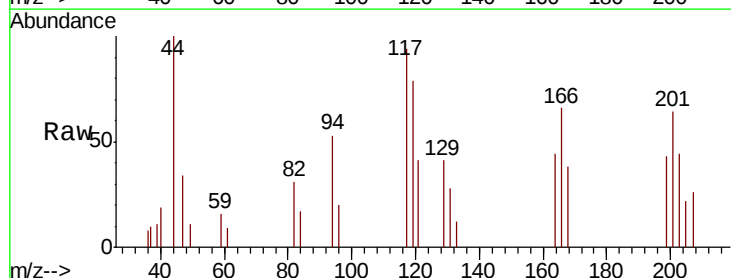
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

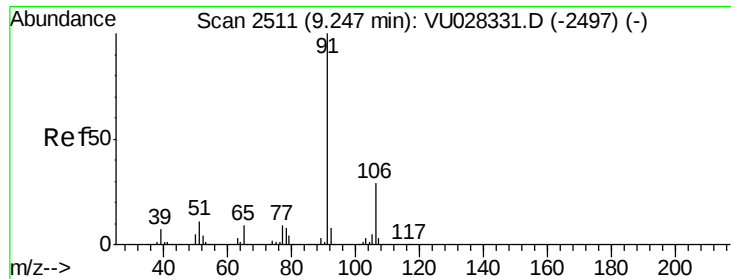
Tgt Ion:117 Resp: 2853
Ion Ratio Lower Upper
117 100
167 64.8 64.2 96.2



#62
Hexachloroethane
Concen: 0.249 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion:117 Resp: 2243
Ion Ratio Lower Upper
117 100
201 62.3 59.4 89.2

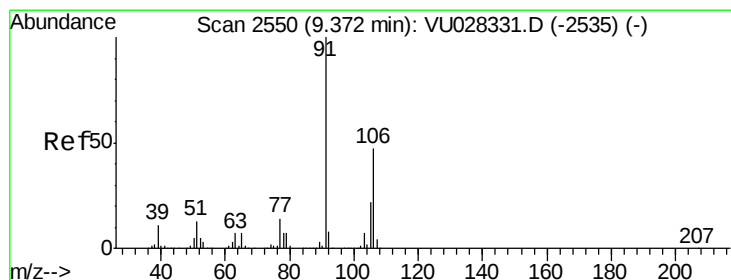
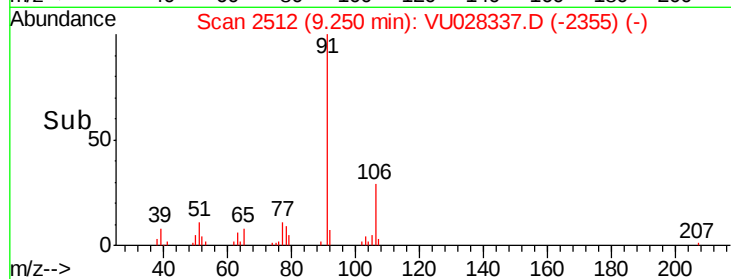
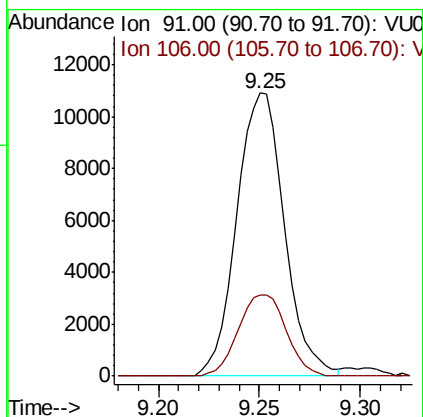
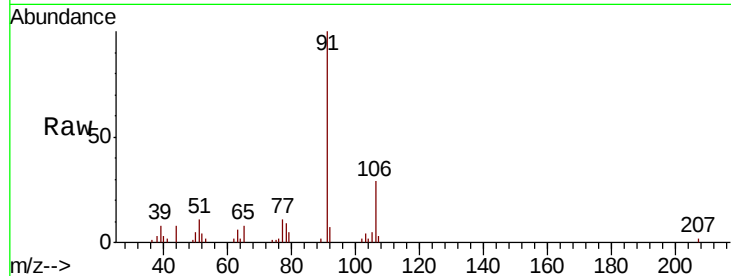




#63
Ethyl Benzene
Concen: 0.268 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

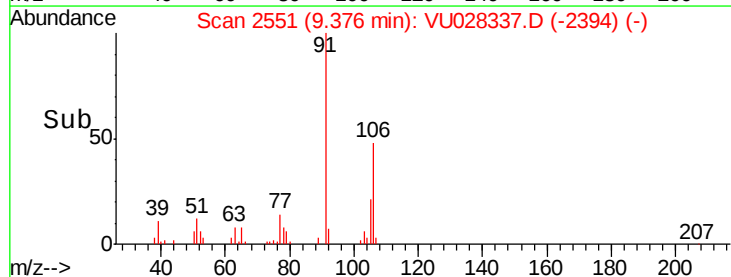
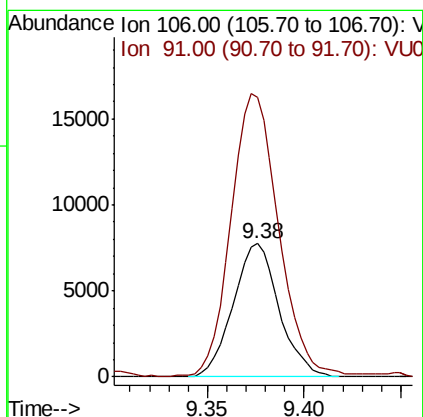
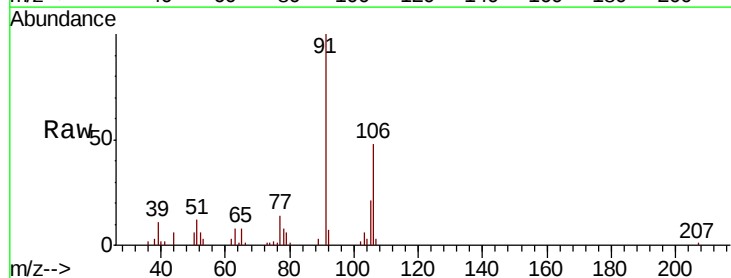
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

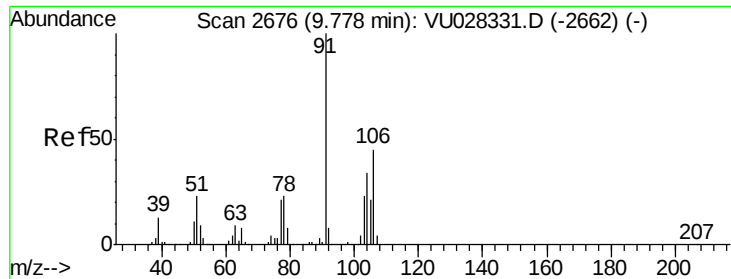
Tgt Ion: 91 Resp: 18068
Ion Ratio Lower Upper
91 100
106 28.7 23.4 35.2



#64
m/p-Xylenes
Concen: 0.525 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion: 106 Resp: 12800
Ion Ratio Lower Upper
106 100
91 220.7 170.6 256.0

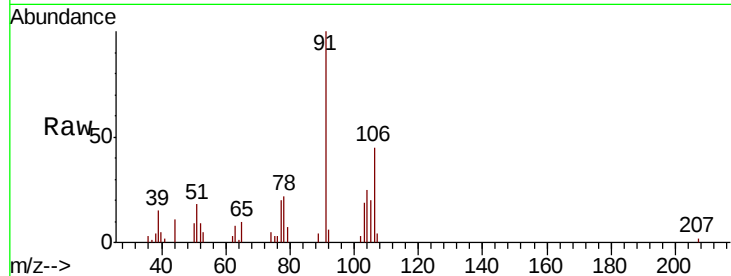




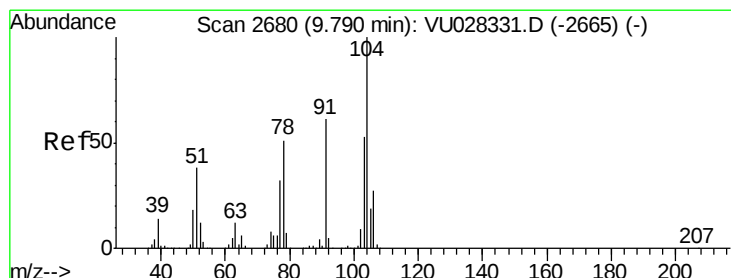
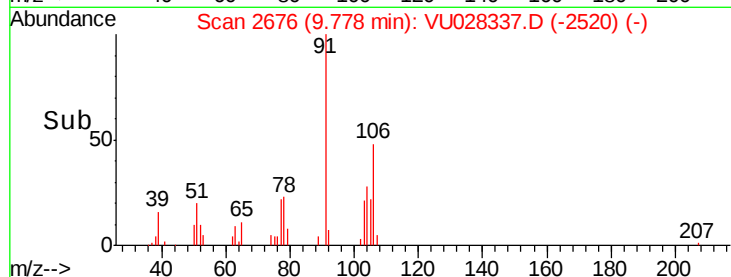
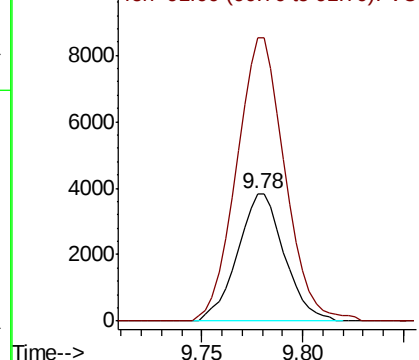
#65
o-Xylene
Concen: 0.264 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:106 Resp: 6204
Ion Ratio Lower Upper
106 100
91 230.1 112.3 337.0

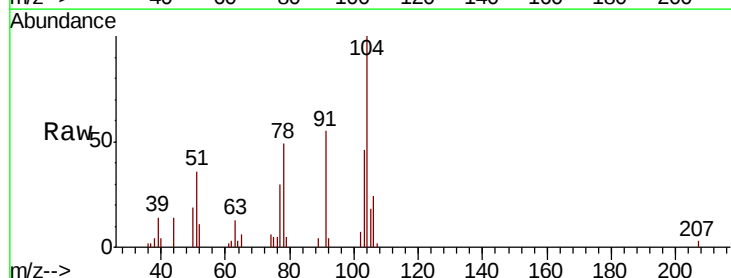


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

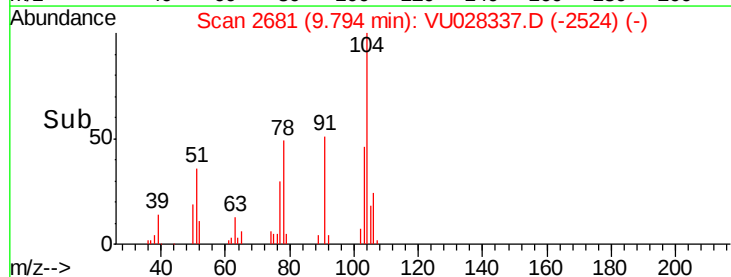
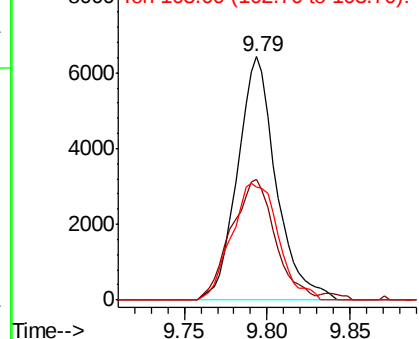


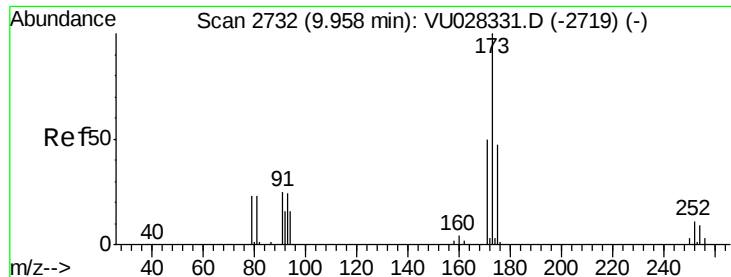
#66
Styrene
Concen: 0.258 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion:104 Resp: 10422
Ion Ratio Lower Upper
104 100
78 56.2 44.0 66.0
103 57.8 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: 0.250 ug/l

RT: 9.96 min Scan# 2734

Delta R.T. 0.01 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

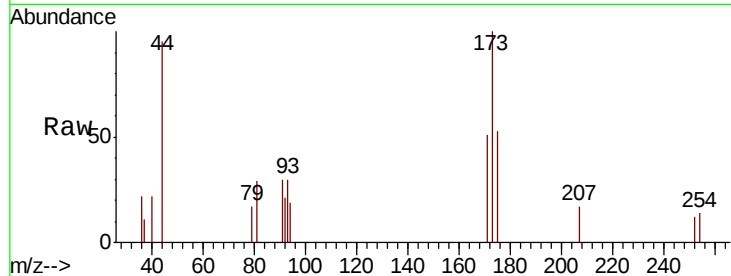
Tgt Ion:173 Resp: 1603

Ion Ratio Lower Upper

173 100

175 53.9 39.0 58.6

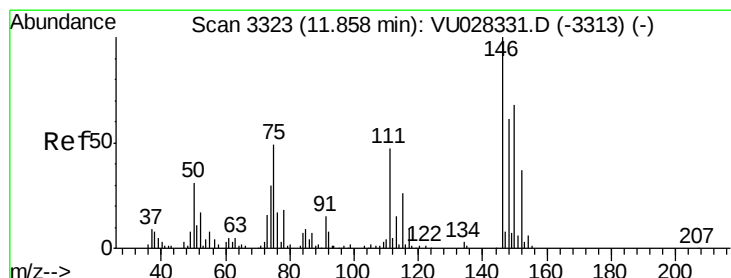
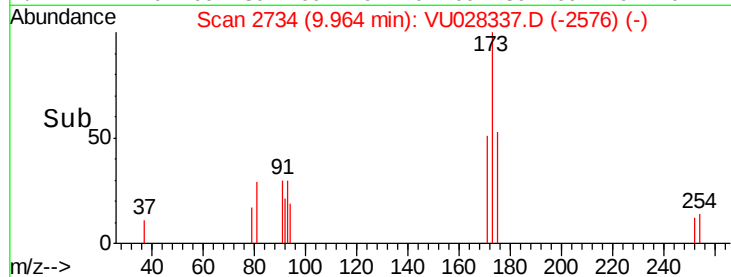
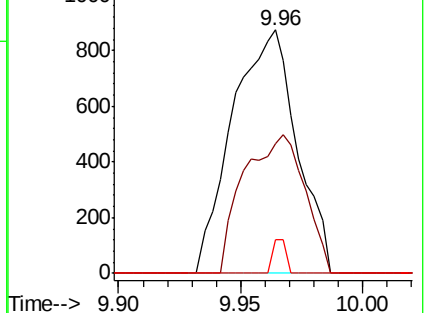
254 2.9 6.8 10.2#



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: 0.250 ug/l

RT: 11.86 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

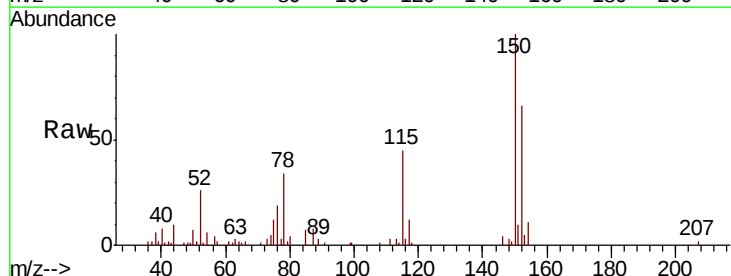
Tgt Ion:152 Resp: 15511

Ion Ratio Lower Upper

152 100

115 67.9 0.0 146.8

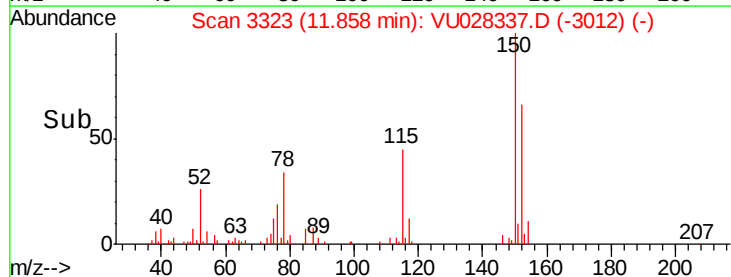
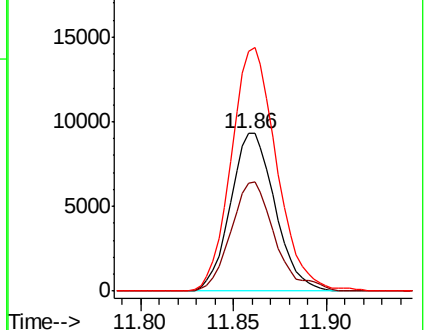
150 157.6 0.0 653.2

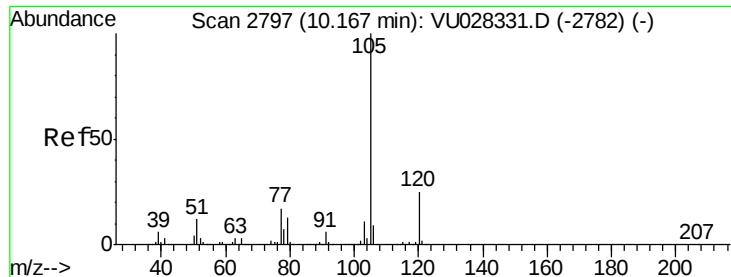


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.254 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

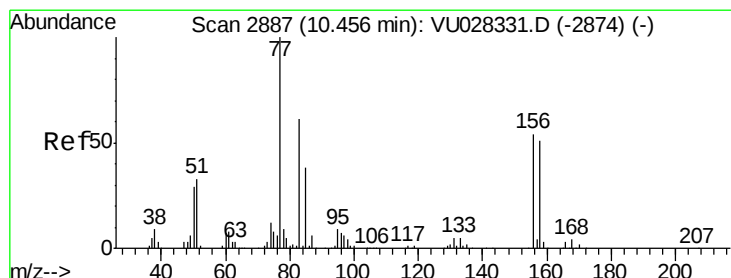
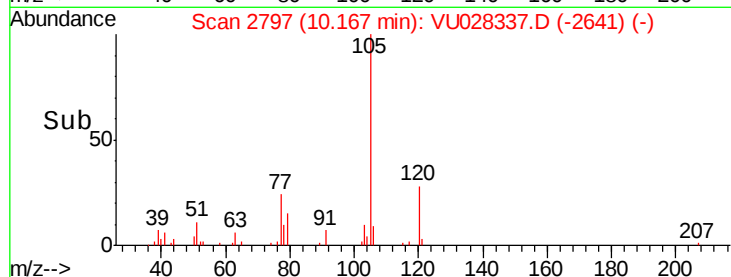
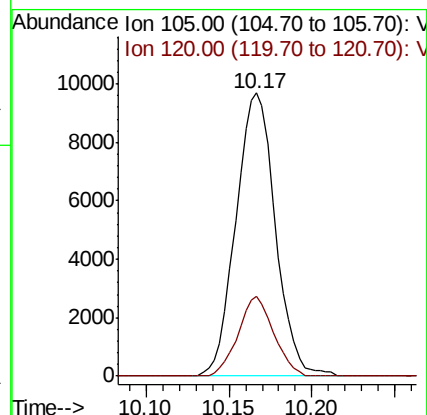
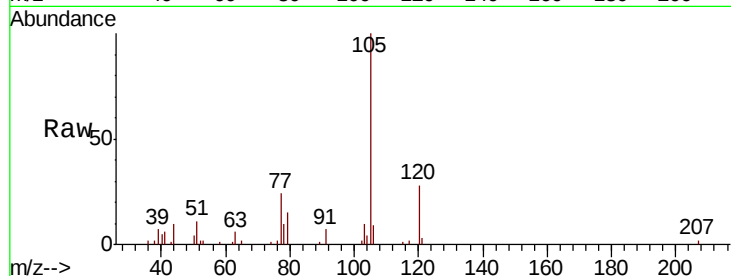
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:105 Resp: 15982

Ion Ratio Lower Upper

105 100

120 25.3 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 0.251 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

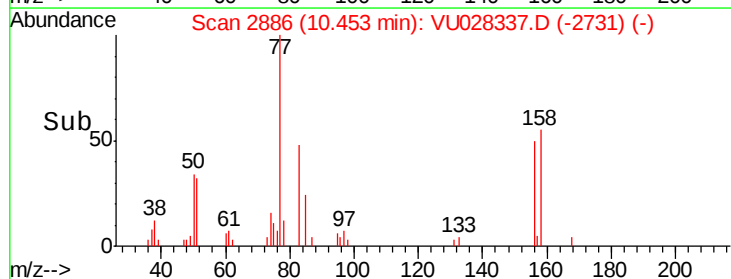
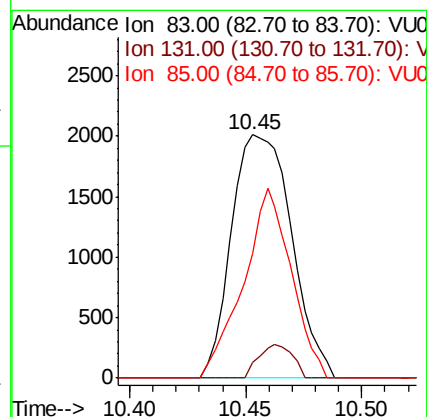
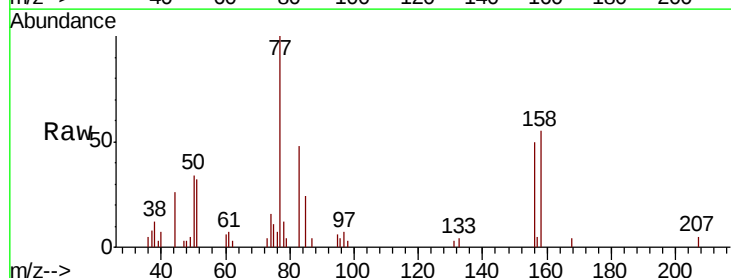
Tgt Ion: 83 Resp: 3619

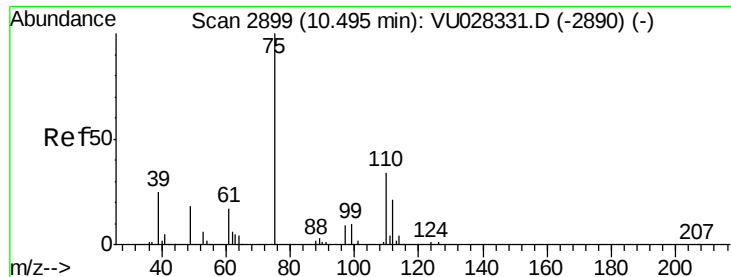
Ion Ratio Lower Upper

83 100

131 7.7 6.6 9.8

85 62.1 50.5 75.7





#71

1,2,3-Trichloropropane

Concen: 0.255 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 75 Resp: 2571

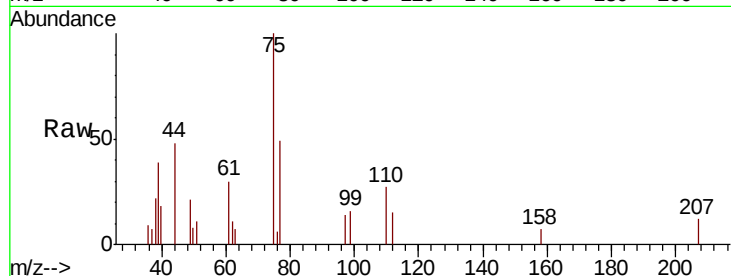
Ion Ratio Lower Upper

75 100

77 26.5 0.0 0.0#

110 32.2 0.0 67.6

97 13.2 0.0 35.8

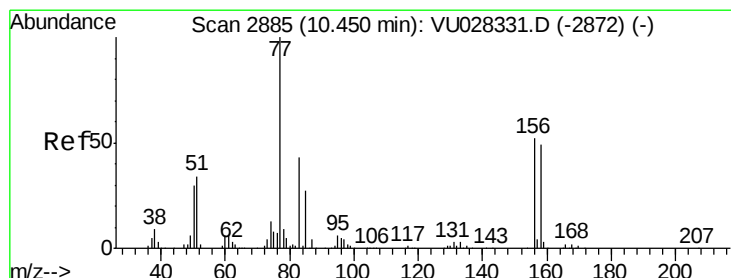
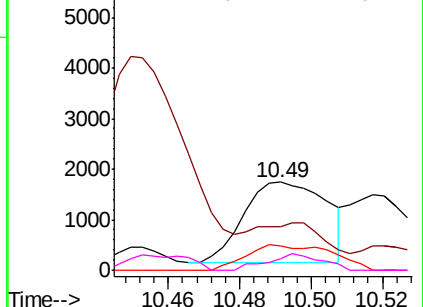
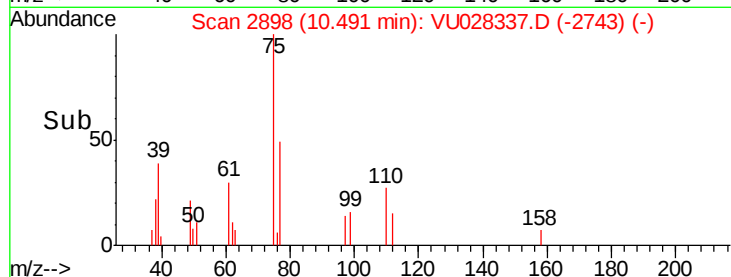


Abundance Ion 75.00 (74.70 to 75.70): VU0

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: 0.246 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

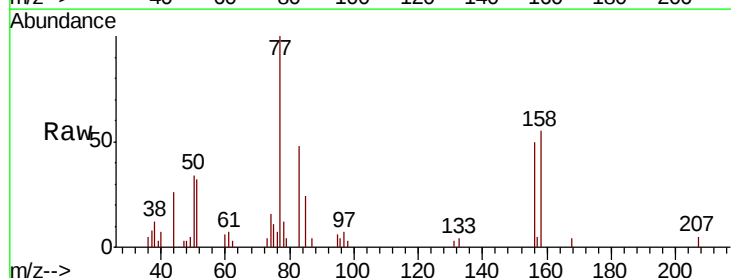
Tgt Ion: 156 Resp: 3436

Ion Ratio Lower Upper

156 100

77 217.5 0.0 380.4

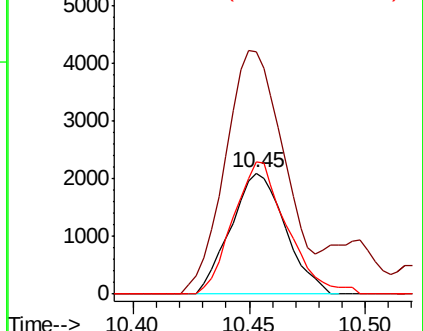
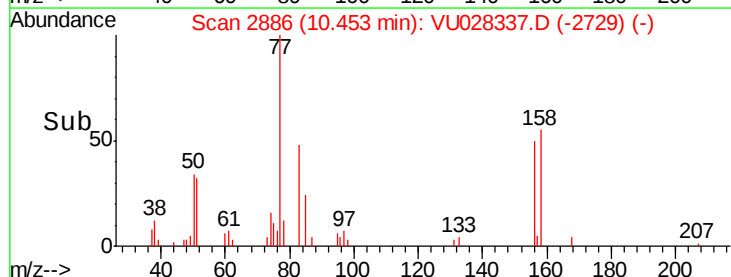
158 107.7 0.0 191.2

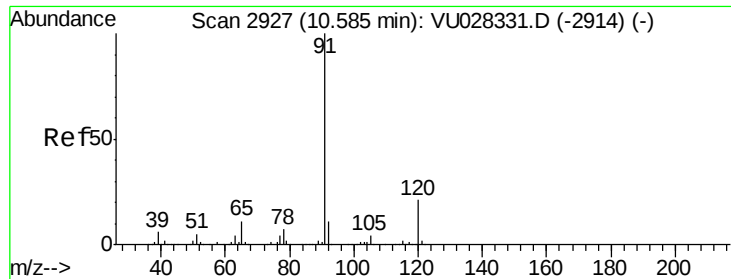


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V

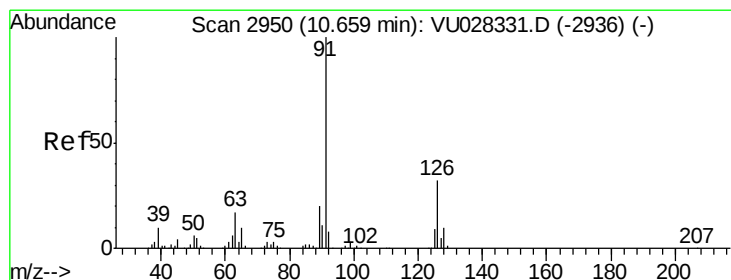
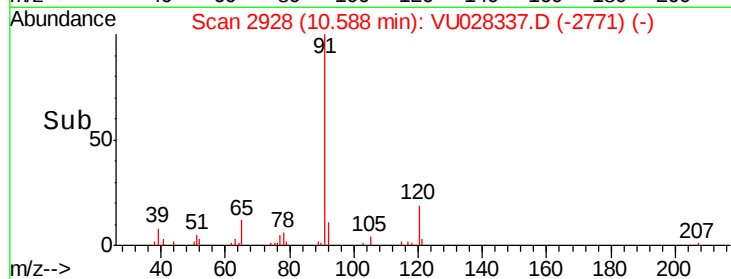
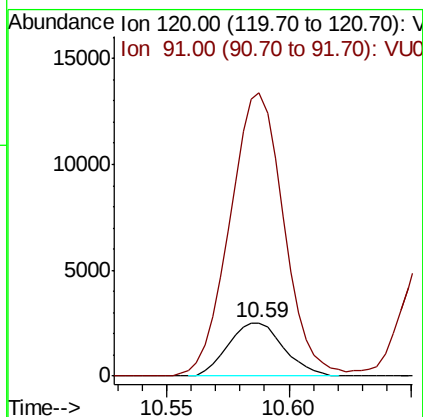
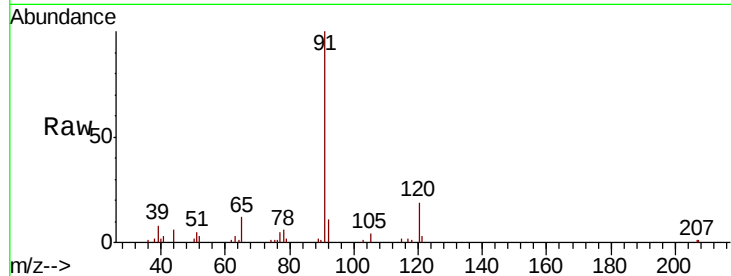




#73
n-propylbenzene
Concen: 0.242 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

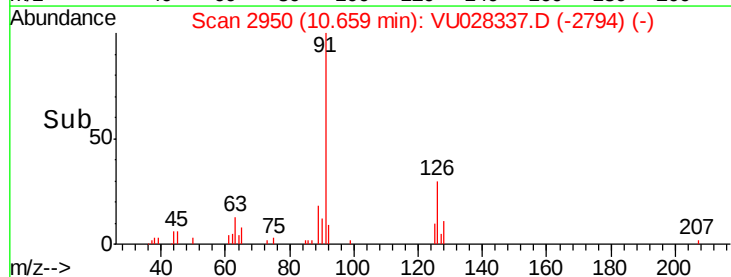
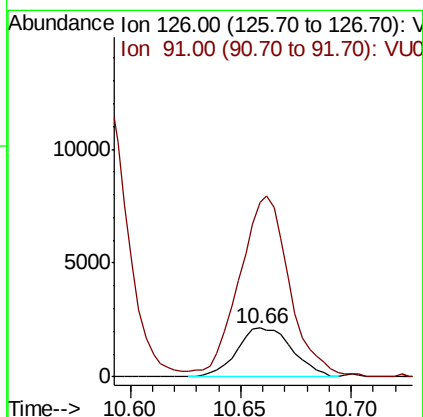
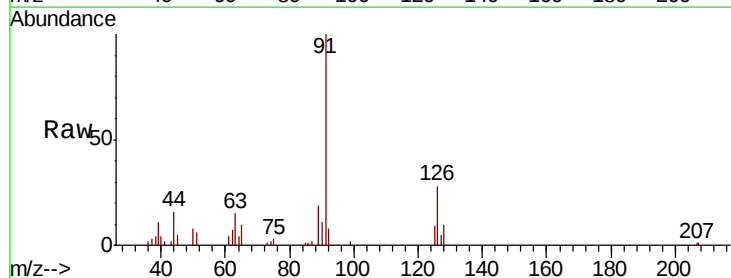
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

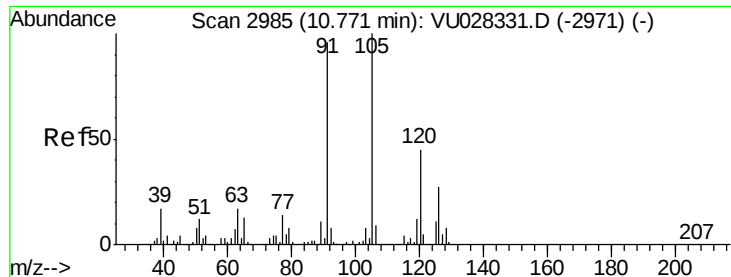
Tgt Ion:120 Resp: 3958
Ion Ratio Lower Upper
120 100
91 519.3 388.1 582.1



#74
2-Chlorotoluene
Concen: 0.263 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion:126 Resp: 3765
Ion Ratio Lower Upper
126 100
91 334.3 0.0 661.0





#75

1,3,5-Trimethylbenzene

Concen: 0.244 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

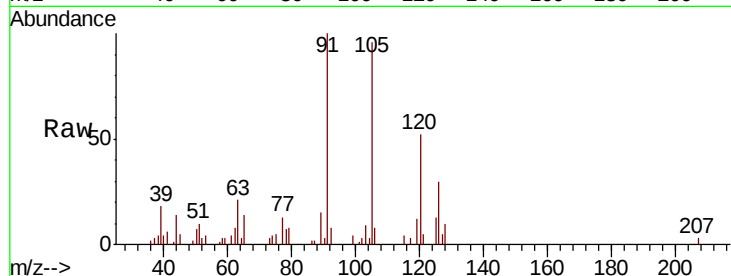
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:105 Resp: 12938

Ion Ratio Lower Upper

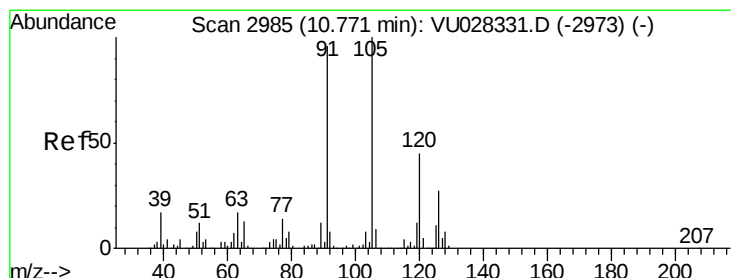
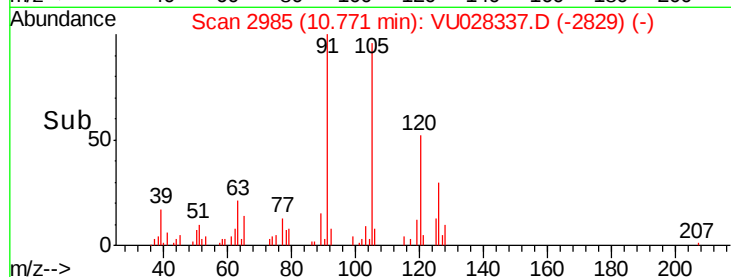
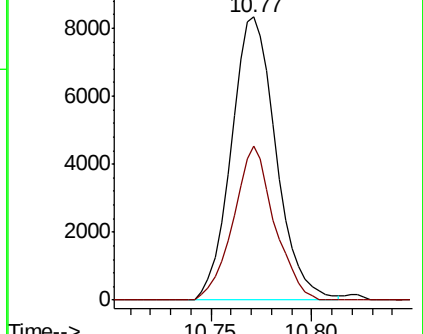
105 100

120 49.7 36.3 54.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.279 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028337.D

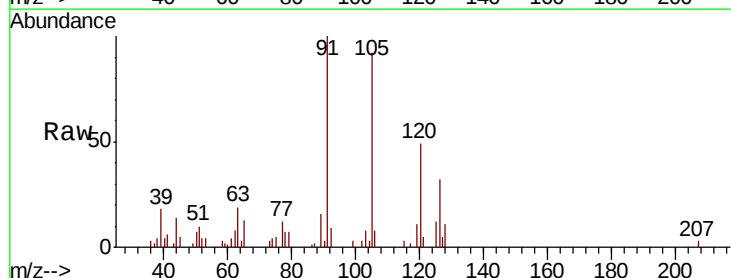
Acq: 26 Nov 2018 14:33

Tgt Ion:126 Resp: 4049

Ion Ratio Lower Upper

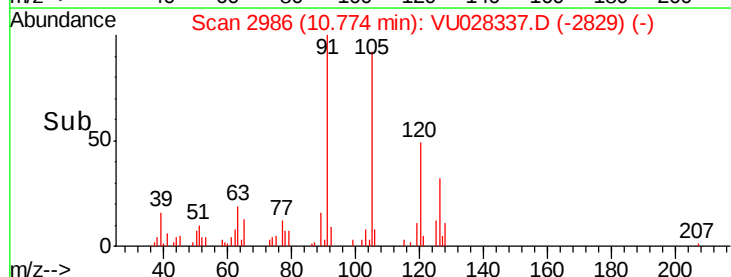
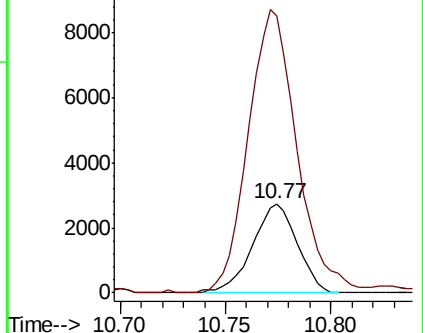
126 100

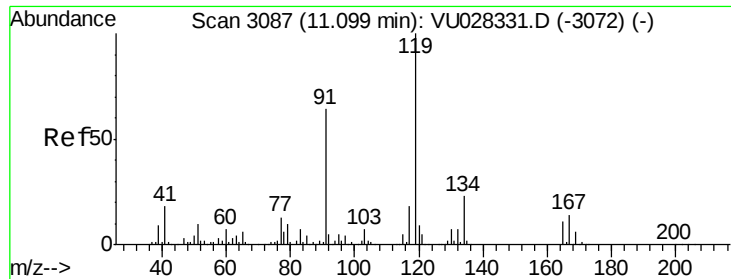
91 345.4 0.0 731.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

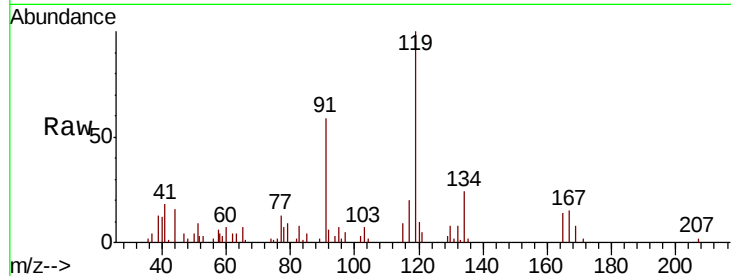




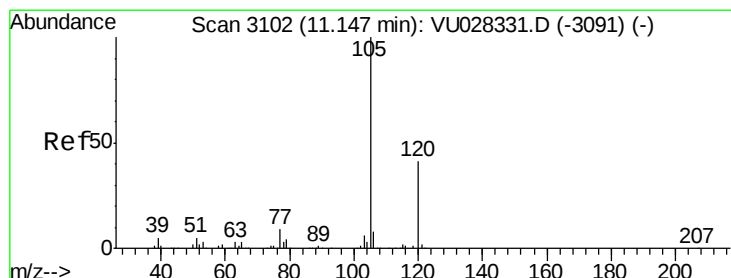
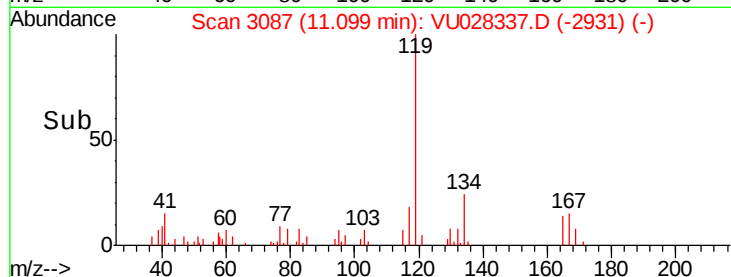
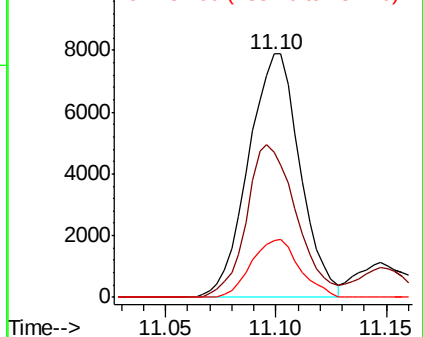
#77
 tert-Butylbenzene
 Concen: 0.257 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion:119 Resp: 12841
 Ion Ratio Lower Upper
 119 100
 91 60.7 32.0 96.0
 134 22.3 17.9 26.9

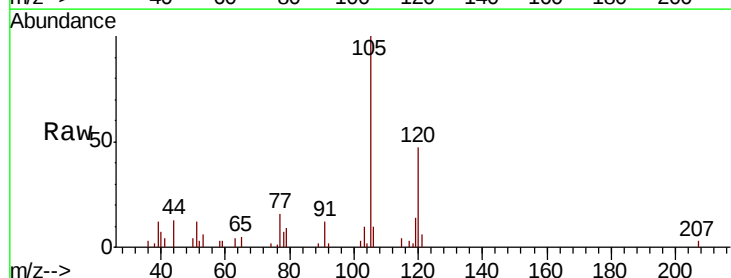


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

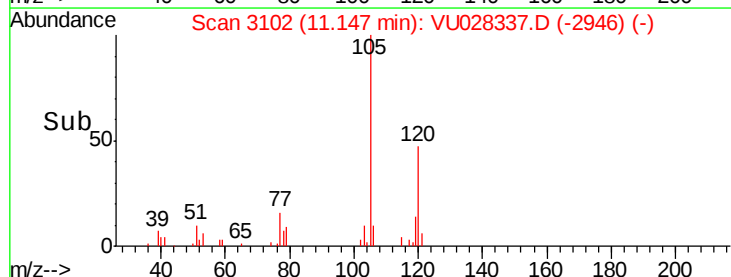
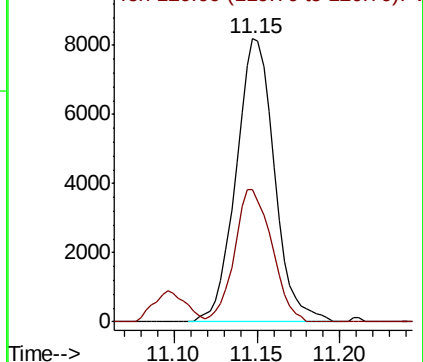


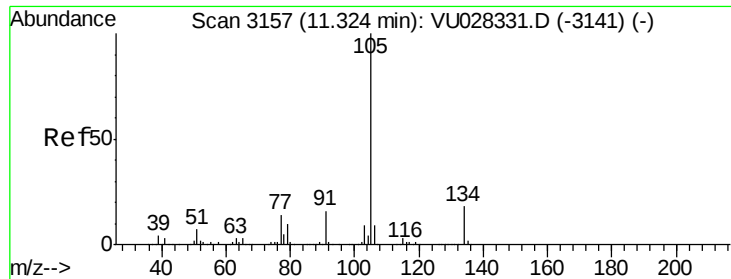
#78
 1,2,4-Trimethylbenzene
 Concen: 0.243 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion:105 Resp: 13183
 Ion Ratio Lower Upper
 105 100
 120 45.6 21.9 65.8



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

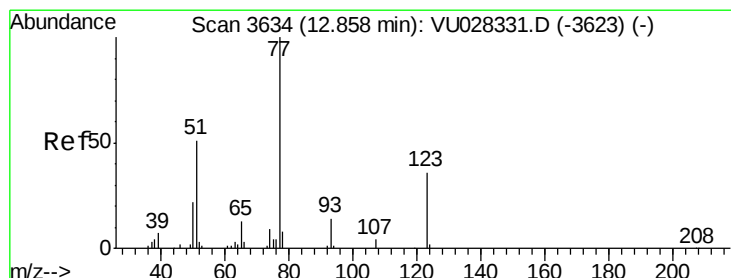
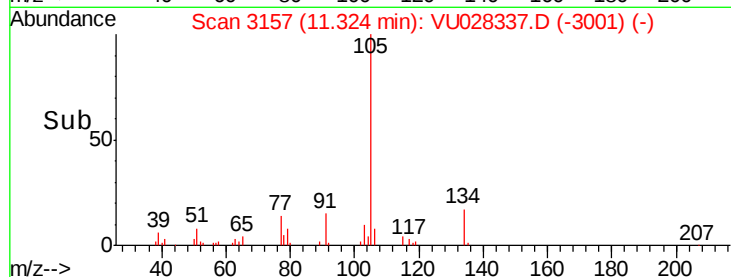
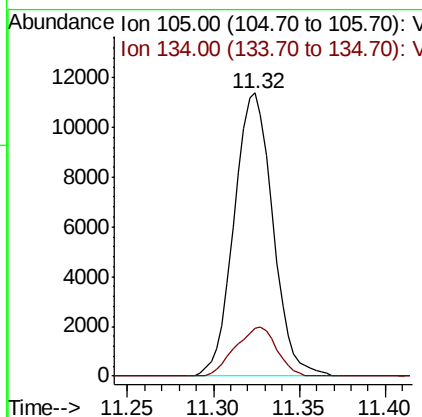
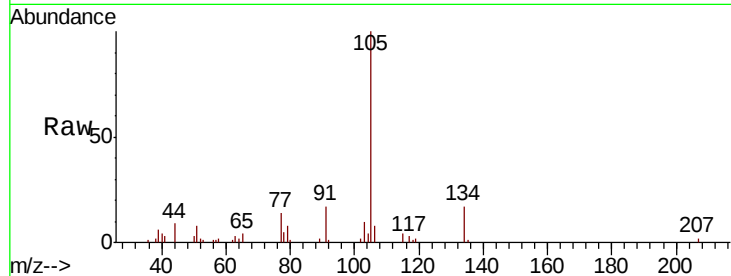




#79
 sec-Butylbenzene
 Concen: 0.256 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

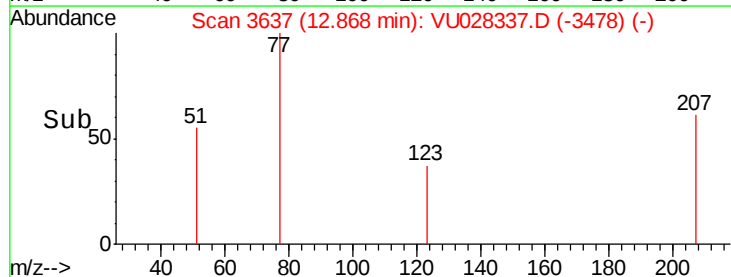
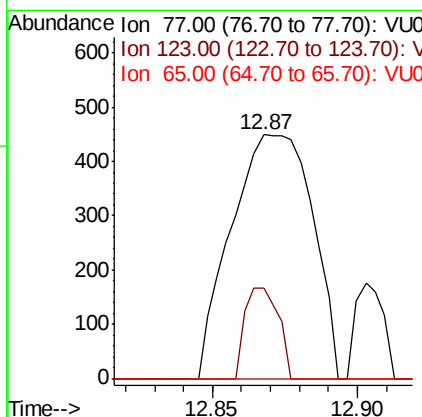
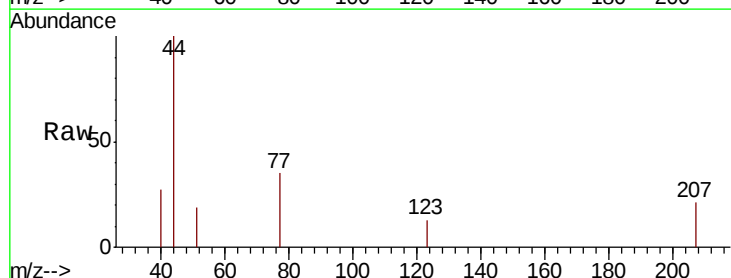
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

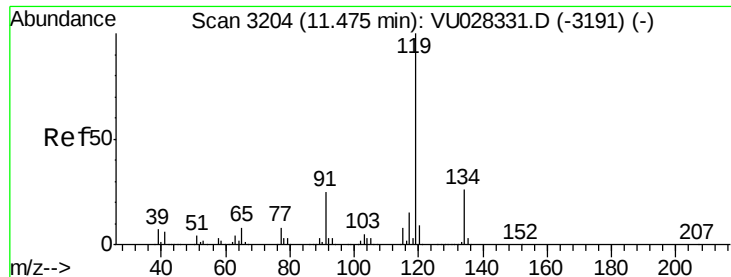
Tgt Ion: 105 Resp: 17792
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.6 22.0



#80
 Nitrobenzene
 Concen: 1.342 ug/l
 RT: 12.87 min Scan# 3637
 Delta R.T. 0.01 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion: 77 Resp: 873
 Ion Ratio Lower Upper
 77 100
 123 15.5 16.5 58.3#
 65 0.0 12.1 15.3#

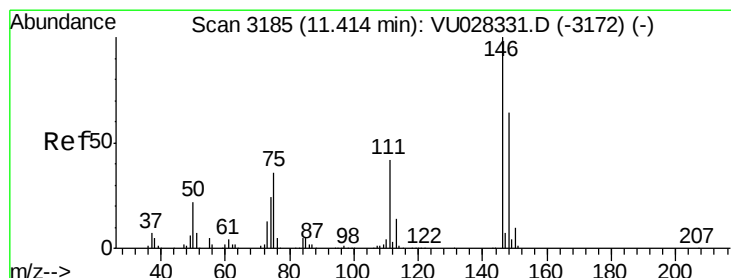
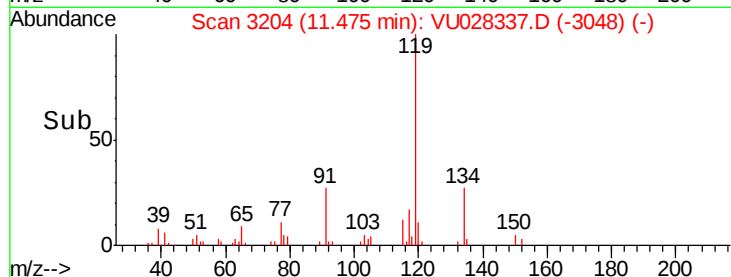
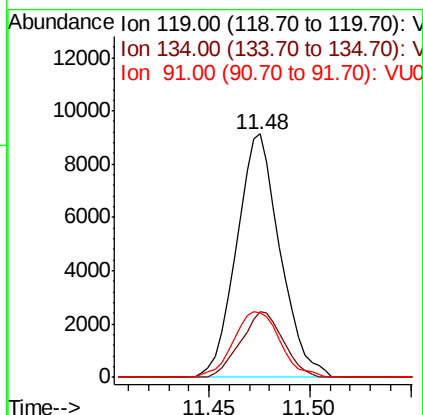
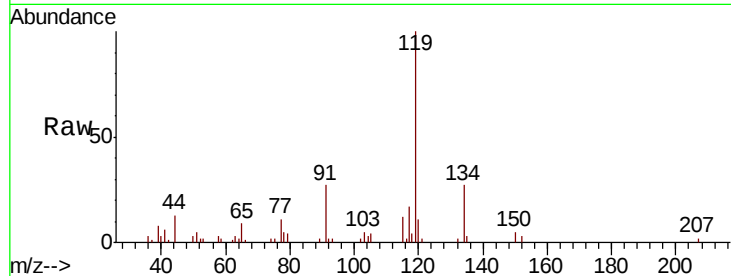




#81
p-Isopropyltoluene
Concen: 0.250 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

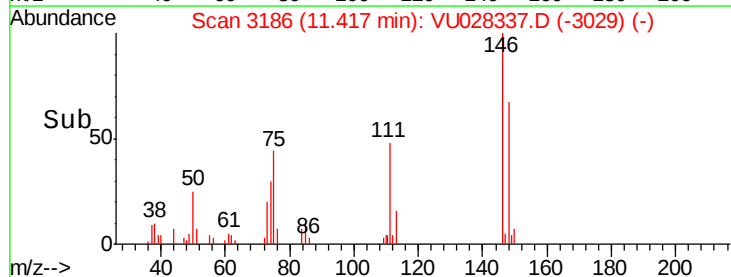
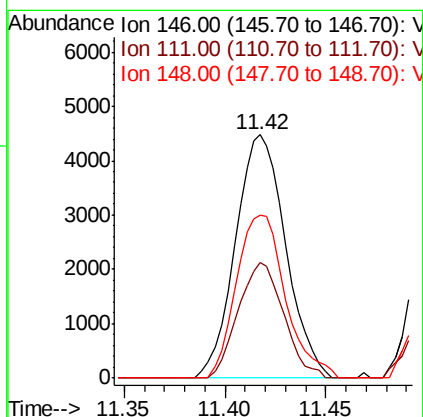
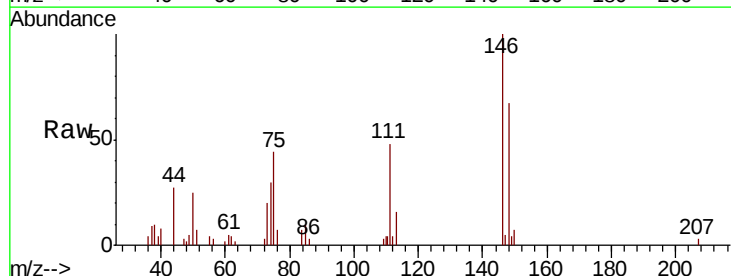
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

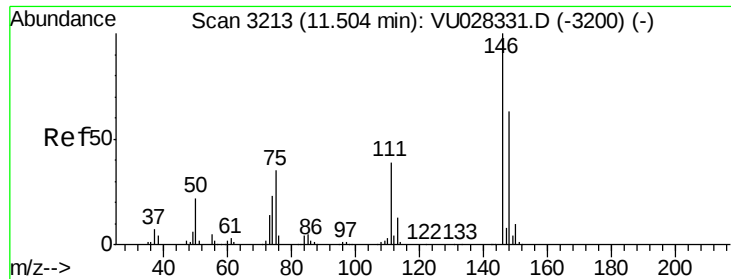
Tgt Ion:119 Resp: 13813
Ion Ratio Lower Upper
119 100
134 26.5 20.3 30.5
91 28.9 20.0 30.0



#82
1,3-Dichlorobenzene
Concen: 0.278 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion:146 Resp: 7788
Ion Ratio Lower Upper
146 100
111 43.1 33.4 50.2
148 65.7 51.2 76.8





#83

1,4-Dichlorobenzene

Concen: 0.283 ug/l

RT: 11.51 min Scan# 3215

Delta R.T. 0.01 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

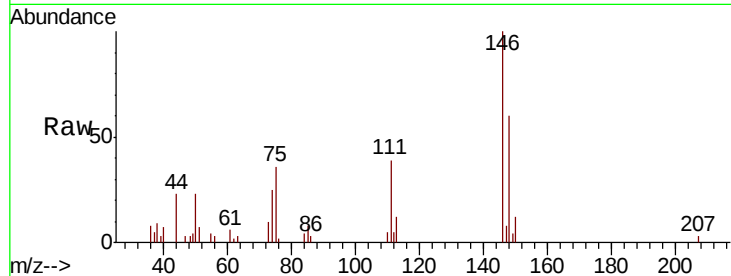
Tgt Ion: 146 Resp: 7874

Ion Ratio Lower Upper

146 100

111 42.5 31.4 47.2

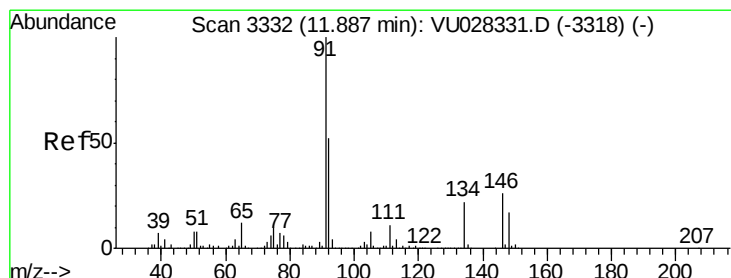
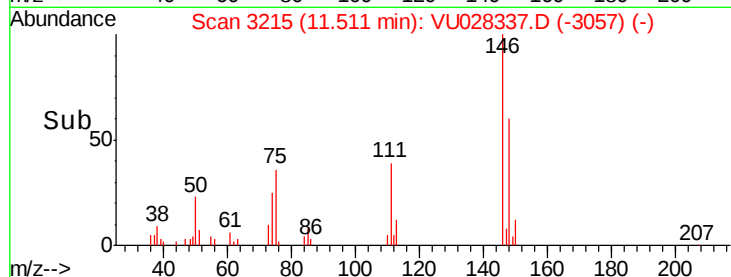
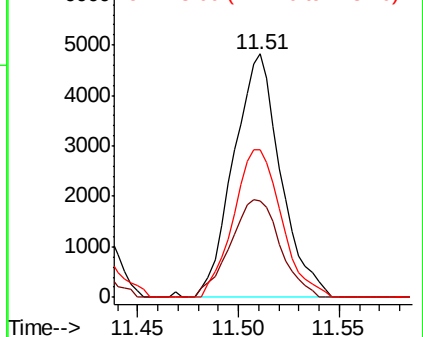
148 61.9 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

n-Butylbenzene

Concen: 0.264 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

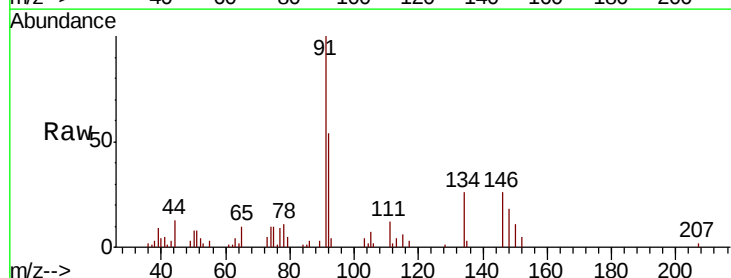
Tgt Ion: 91 Resp: 15295

Ion Ratio Lower Upper

91 100

92 50.3 41.6 62.4

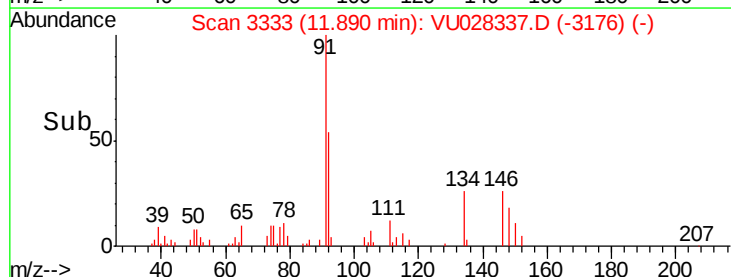
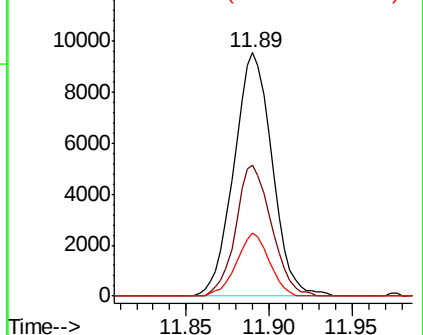
134 22.0 17.8 26.6

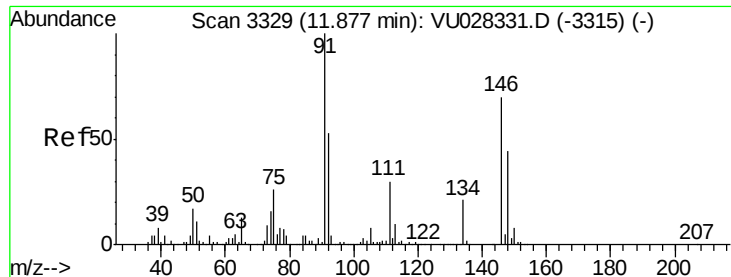


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 0.279 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

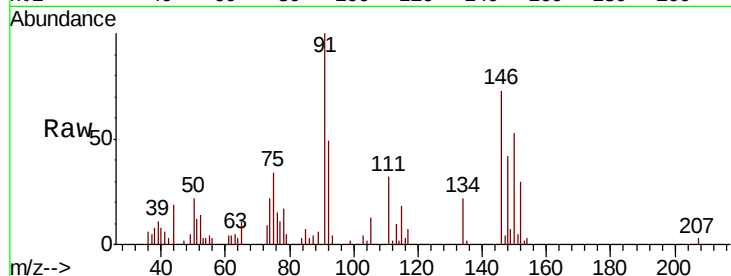
Tgt Ion:146 Resp: 7423

Ion Ratio Lower Upper

146 100

111 47.1 21.4 64.3

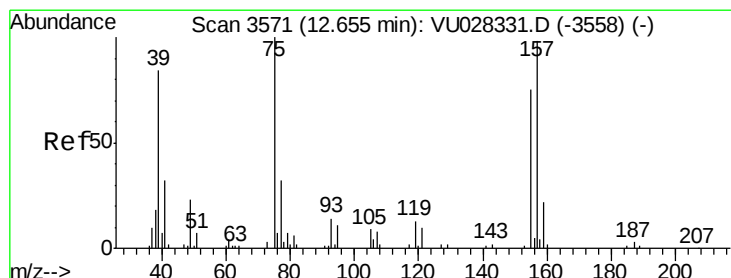
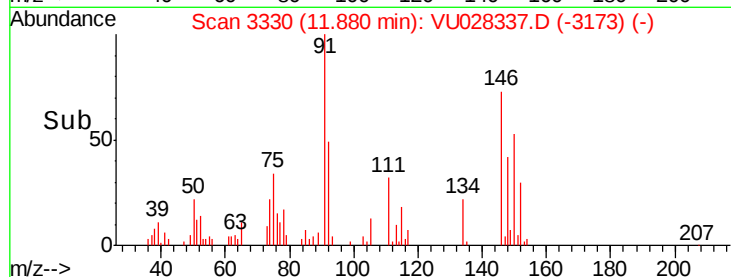
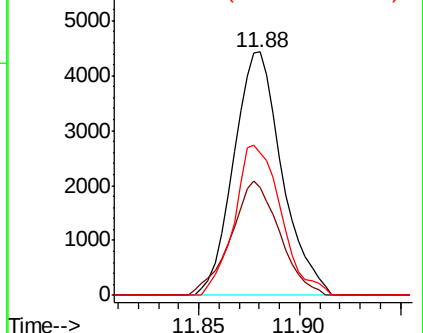
148 59.7 31.4 94.2



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: 0.220 ug/l

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

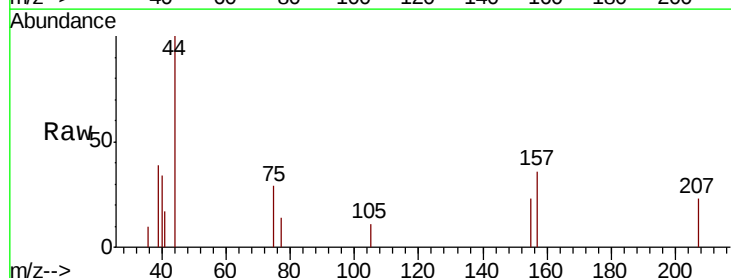
Tgt Ion: 75 Resp: 510

Ion Ratio Lower Upper

75 100

155 91.6 57.0 85.4#

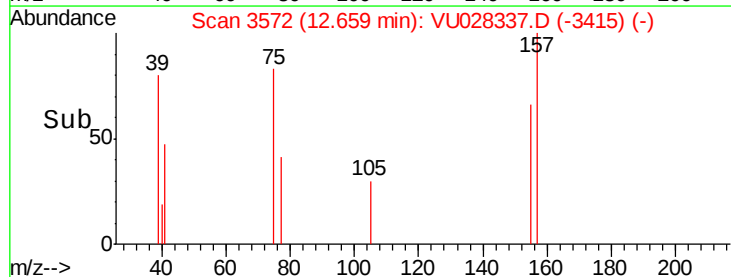
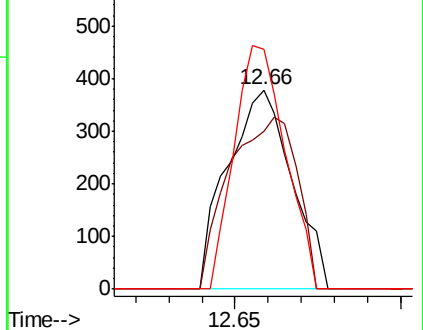
157 97.5 75.4 113.2

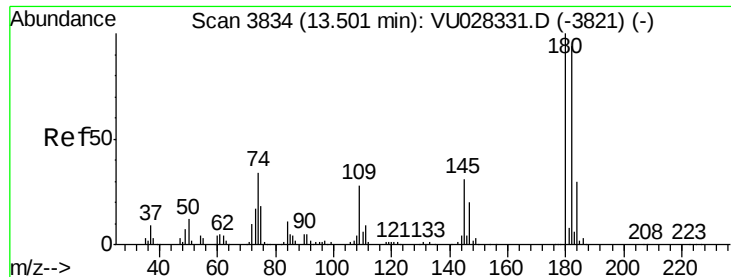


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

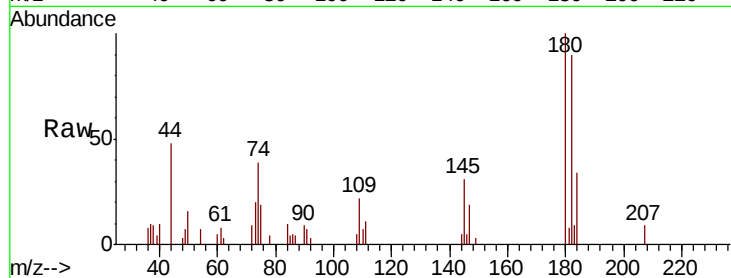




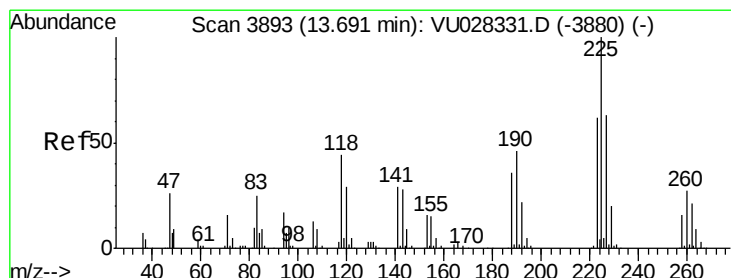
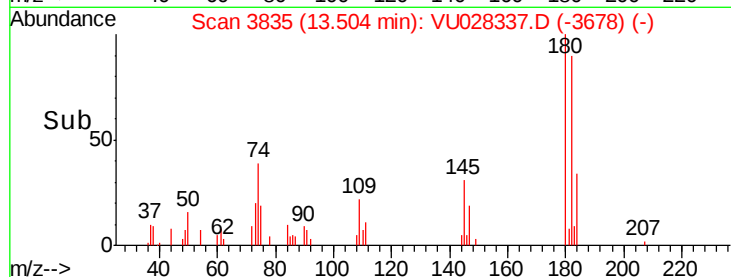
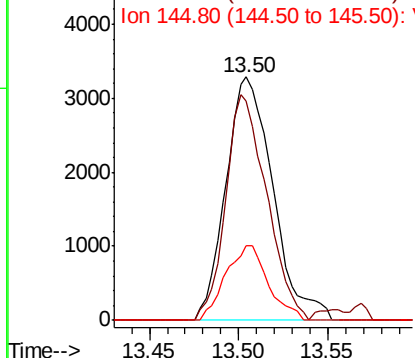
#87
 1,2,4-Trichlorobenzene
 Concen: 0.323 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion:180 Resp: 6042
 Ion Ratio Lower Upper
 180 100
 182 80.4 75.6 113.4
 145 27.6 24.4 36.6

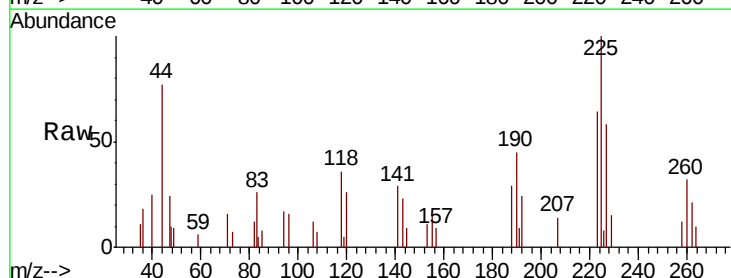


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

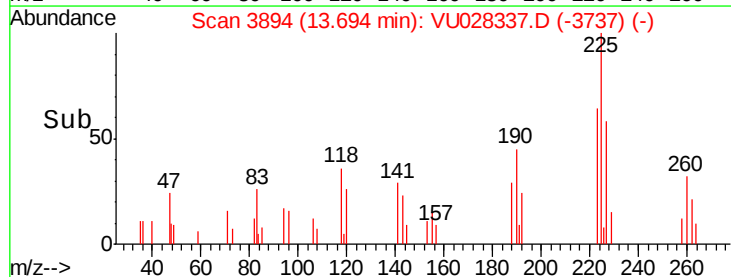
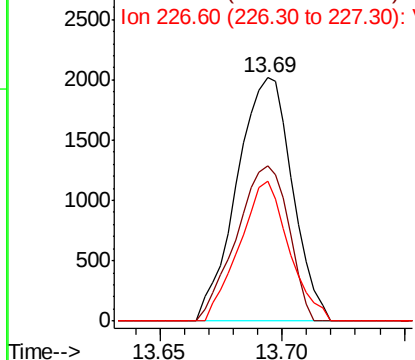


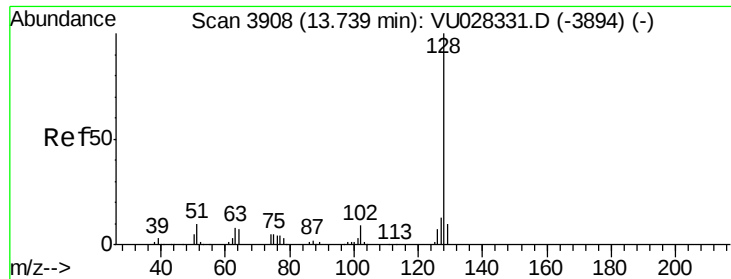
#88
 Hexachlorobutadiene
 Concen: 0.313 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion:225 Resp: 3177
 Ion Ratio Lower Upper
 225 100
 223 60.1 50.6 76.0
 227 51.3 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: 0.310 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

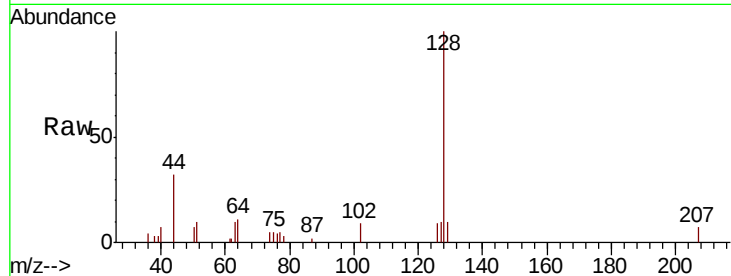
Tgt Ion:128 Resp: 11480

Ion Ratio Lower Upper

128 100

127 9.3 10.3 15.5#

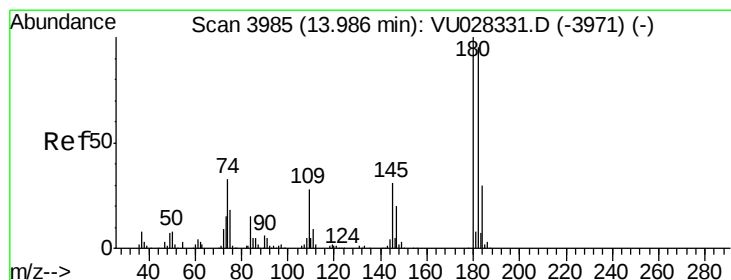
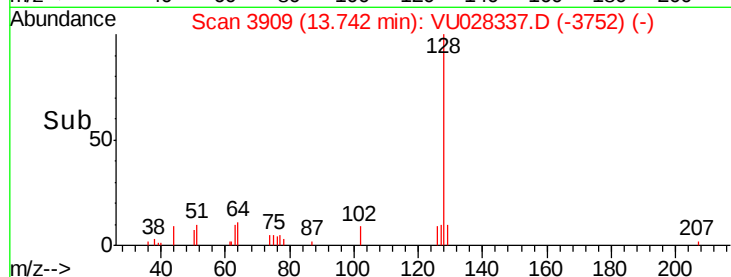
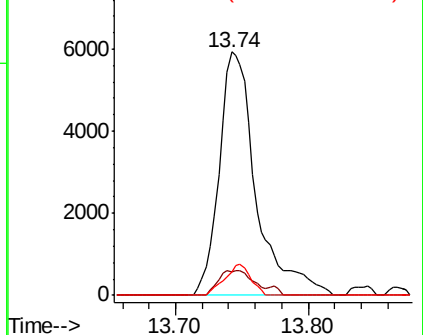
129 9.0 8.2 12.4



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: 0.285 ug/l

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

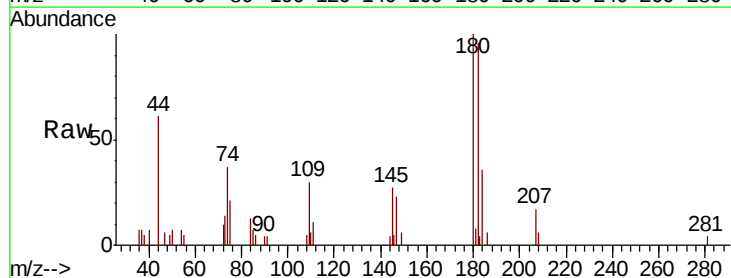
Tgt Ion:180 Resp: 5041

Ion Ratio Lower Upper

180 100

182 100.1 76.1 114.1

145 28.9 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

