

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U0112618\
 Data File : VU028338.D
 Acq On : 26 Nov 2018 14:57
 Operator : MD/SY
 Sample : J5164-09 0.25ppb
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-03-QT4-2018

Quant Time: Nov 27 01:11:32 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	5.75	96	46183	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	16619	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	14053	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	4742	0.285	ug/l 97
3) Chloromethane	1.32	50	7981	0.282	ug/l 95
4) Vinyl Chloride	1.40	62	5688	0.294	ug/l 96
5) Bromomethane	1.63	94	2220	0.291	ug/l 82
6) Chloroethane	1.70	64	3782	0.335	ug/l 93
7) Trichlorofluoromethane	1.89	101	6029	0.285	ug/l 96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3750	0.308	ug/l # 87
9) 1,1-Dichloroethene	2.28	96	2898	0.258	ug/l 91
10) Iodomethane	2.41	142	1975	0.260	ug/l 96
11) Allyl Chloride	2.59	41	8522	0.300	ug/l 93
12) Acrylonitrile	2.95	53	2413	0.674	ug/l 90
13) Acetone	2.34	43	2962	0.892	ug/l 99
14) Carbon Disulfide	2.48	76	13755	0.322	ug/l 96
15) Methylene Chloride	2.70	84	5369	0.392	ug/l 94
16) trans-1,2-Dichloroethene	2.98	96	3318	0.264	ug/l 93
17) 1,1-Dichloroethane	3.45	63	8172	0.291	ug/l # 94
18) 2-Butanone	4.30	43	5896	1.189	ug/l 92
19) Cyclohexane	4.99	56	7410	0.304	ug/l 93
20) Methylcyclohexane	6.41	83	6085	0.255	ug/l 89
21) 2,2-Dichloropropane	4.23	77	6802	0.302	ug/l 96
22) cis-1,2-Dichloroethene	4.23	96	4678	0.318	ug/l 99
23) Diethyl Ether	2.11	59	3024	0.268	ug/l 94
24) tert-Butyl Alcohol	2.85	59	308	0.272	ug/l # 72
25) Methyl tert-Butyl Ether	3.01	73	9816	0.294	ug/l 92
26) Bromochloromethane	4.56	128	1729	0.308	ug/l # 90
27) Chloroform	4.67	83	10506	0.388	ug/l 99
28) 1,1,1-Trichloroethane	4.92	97	5870	0.278	ug/l 96
29) 1,1-Dichloropropene	5.14	75	6203	0.306	ug/l 99
30) Carbon Tetrachloride	5.13	117	4553	0.267	ug/l 90
31) Isopropyl Ether	3.58	45	14122	0.281	ug/l 97
32) Ethyl-t-butyl ether	4.08	59	11991	0.290	ug/l 100
33) Tert-Amyl methyl ether	5.58	73	9301	0.271	ug/l 98
34) Propionitrile	4.36	54	432	0.347	ug/l # 87
35) Benzene	5.39	78	15964	0.268	ug/l 98
36) 1,2-Dichloroethane	5.41	62	5071	0.284	ug/l # 85
37) Trichloroethene	6.19	130	4233	0.326	ug/l # 73
38) 1,2-Dichloropropane	6.43	63	4912	0.289	ug/l 97
39) Methacrylonitrile	4.57	41	1645	0.246	ug/l # 74
41) Tetrahydrofuran	4.67	42	1708	0.509	ug/l # 72
42) 1-Chlorobutane	5.07	56	9718	0.302	ug/l 96
43) Dibromomethane	6.57	93	2077	0.287	ug/l 98

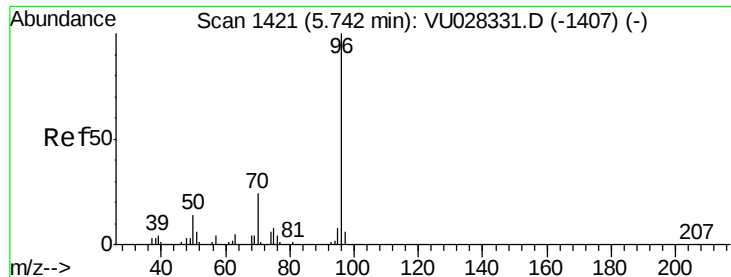
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
 Data File : VU028338.D
 Acq On : 26 Nov 2018 14:57
 Operator : MD/SY
 Sample : J5164-09 0.25ppb
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Quant Time: Nov 27 01:11:32 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)
44) Bromodichloromethane	6.76	83	5895	0.308	ug/l	87
45) 4-Methyl-2-Pentanone	7.47	43	15509	1.333	ug/l	97
46) t-1,4-Dichloro-2-butene	10.49	75	2135	0.502	ug/l	95
47) Methyl methacrylate	6.63	69	3809	0.515	ug/l #	93
48) Ethyl methacrylate	8.03	69	3780	0.256	ug/l	93
49) Toluene	7.64	92	8802	0.266	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	5083	0.277	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	5774	0.255	ug/l	96
52) 1,1,2-Trichloroethane	8.07	97	2913	0.286	ug/l	91
53) 1,3-Dichloropropane	8.24	76	5101	0.269	ug/l	89
54) 2-Hexanone	8.37	43	11151	1.332	ug/l	89
55) Dibromochloromethane	8.48	129	3158	0.292	ug/l	100
56) 1,2-Dibromoethane	8.59	107	2470	0.267	ug/l	99
58) Tetrachloroethene	8.23	164	3775	0.317	ug/l	95
59) Chlorobenzene	9.12	112	9279	0.269	ug/l	93
60) 1,1,1,2-Tetrachloroethane	9.21	131	2991	0.256	ug/l	98
61) Pentachloroethane	11.10	117	2576	0.283	ug/l #	76
62) Hexachloroethane	12.14	117	1933	0.227	ug/l	98
63) Ethyl Benzene	9.25	91	17308	0.272	ug/l	100
64) m/p-Xylenes	9.37	106	12042	0.523	ug/l	94
65) o-Xylene	9.78	106	6277	0.283	ug/l	95
66) Styrene	9.79	104	9848	0.258	ug/l	96
67) Bromoform	9.95	173	1515	0.250	ug/l	98
69) Isopropylbenzene	10.16	105	15543	0.261	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	3778	0.277	ug/l #	97
71) 1,2,3-Trichloropropane	10.49	75	2135	0.225	ug/l #	92
72) Bromobenzene	10.45	156	3527	0.267	ug/l	91
73) n-propylbenzene	10.59	120	4324	0.280	ug/l	88
74) 2-Chlorotoluene	10.66	126	4080	0.302	ug/l	85
75) 1,3,5-Trimethylbenzene	10.77	105	12475	0.249	ug/l	98
76) 4-Chlorotoluene	10.77	126	3630	0.265	ug/l	100
77) tert-Butylbenzene	11.10	119	11694	0.248	ug/l	93
78) 1,2,4-Trimethylbenzene	11.15	105	12996	0.253	ug/l	100
79) sec-Butylbenzene	11.32	105	17246	0.262	ug/l	100
80) Nitrobenzene	12.87	77	658	1.071	ug/l #	49
81) p-Isopropyltoluene	11.48	119	12988	0.249	ug/l	96
82) 1,3-Dichlorobenzene	11.42	146	7195	0.272	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	7793	0.296	ug/l	96
84) n-Butylbenzene	11.89	91	14349	0.262	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	6785	0.269	ug/l	88
86) 1,2-Dibromo-3-Chloropropan	12.66	75	575	0.262	ug/l #	85
87) 1,2,4-Trichlorobenzene	13.50	180	5139	0.290	ug/l	93
88) Hexachlorobutadiene	13.69	225	2452	0.256	ug/l	93
89) Naphthalene	13.75	128	8644	0.247	ug/l	95
90) 1,2,3-Trichlorobenzene	13.99	180	4614	0.276	ug/l	98

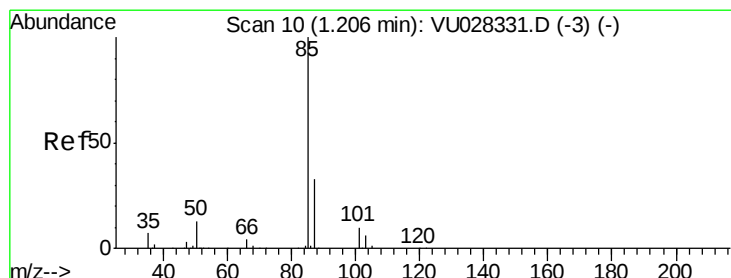
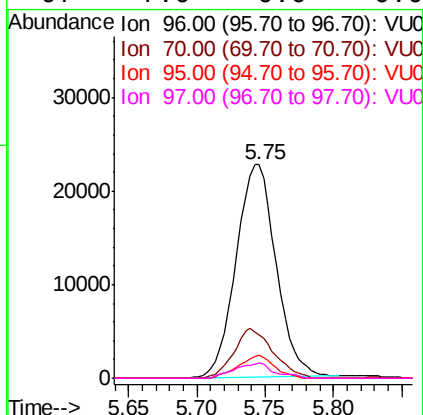
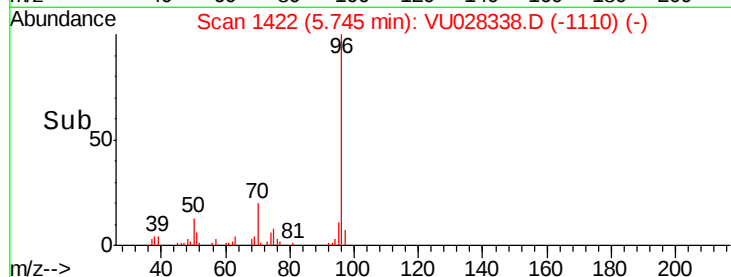
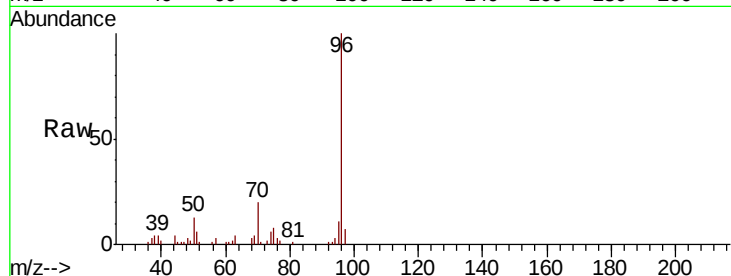
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Fluorobenzene
 Concen: 1.000 ug/l
 RT: 5.75 min Scan# 1422
 Delta R.T. 0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

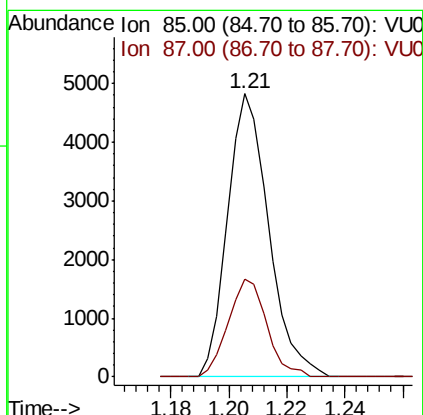
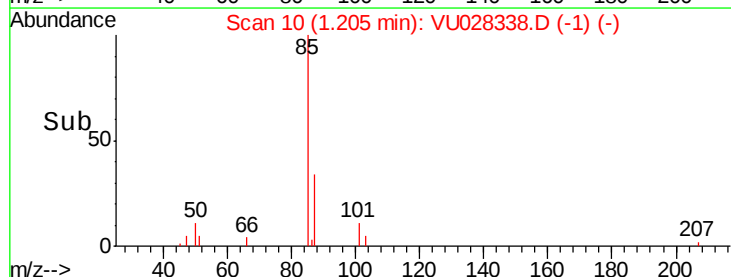
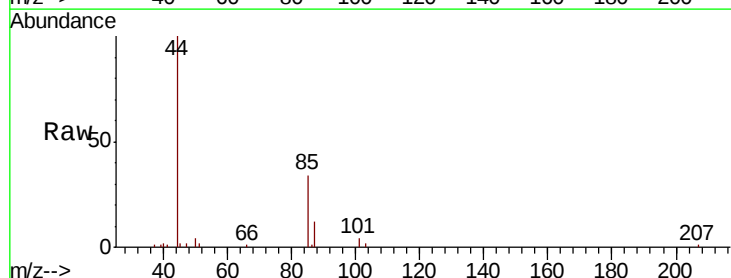
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

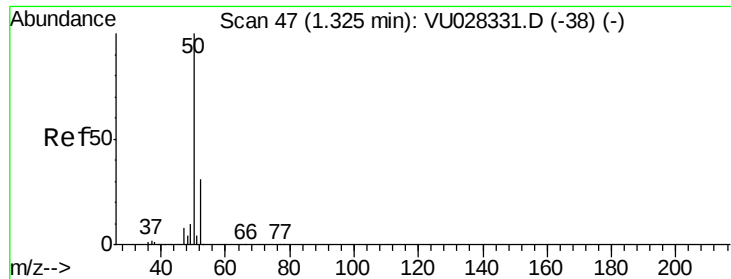
Tgt Ion:	96	Resp:	46183
Ion	Ratio	Lower	Upper
96	100		
70	22.8	17.8	26.8
95	9.5	7.6	11.4
97	7.0	0.0	0.0#



#2
 Dichlorodifluoromethane
 Concen: 0.285 ug/l
 RT: 1.21 min Scan# 10
 Delta R.T. -0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Tgt Ion:	85	Resp:	4742
Ion	Ratio	Lower	Upper
85	100		
87	34.3	16.3	48.8





#3

Chloromethane

Concen: 0.282 ug/l

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

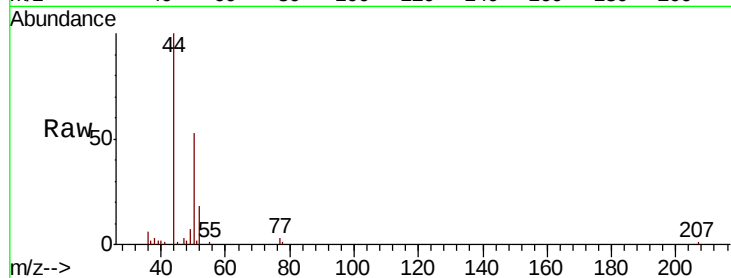
MDL-WATER-03-QT4-2018

Tgt Ion: 50 Resp: 7981

Ion Ratio Lower Upper

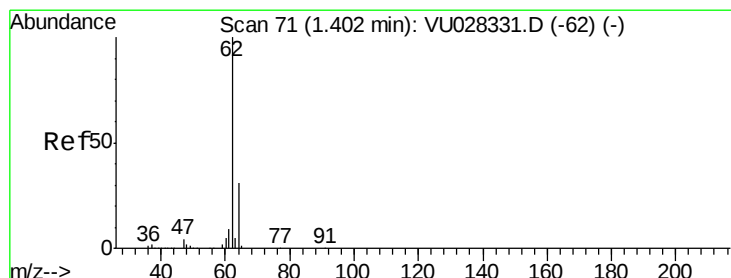
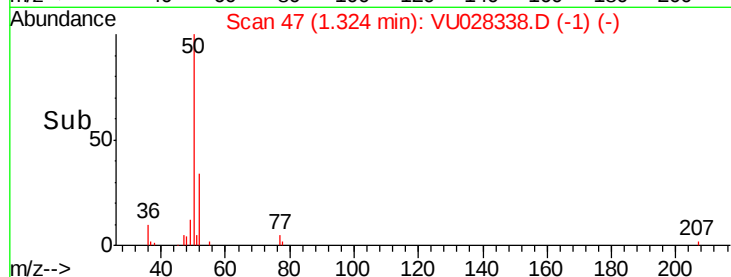
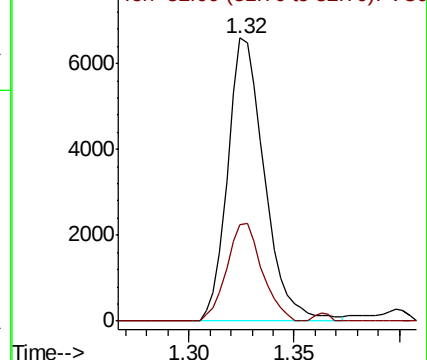
50 100

52 34.0 25.1 37.7



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 0.294 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028338.D

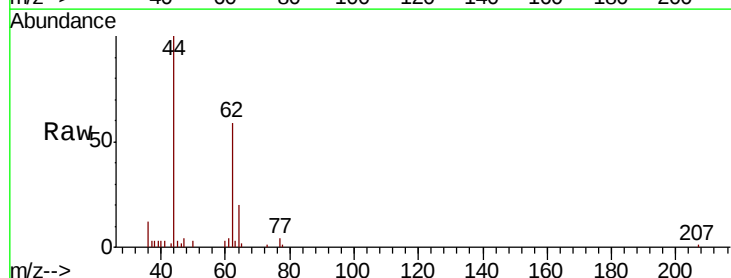
Acq: 26 Nov 2018 14:57

Tgt Ion: 62 Resp: 5688

Ion Ratio Lower Upper

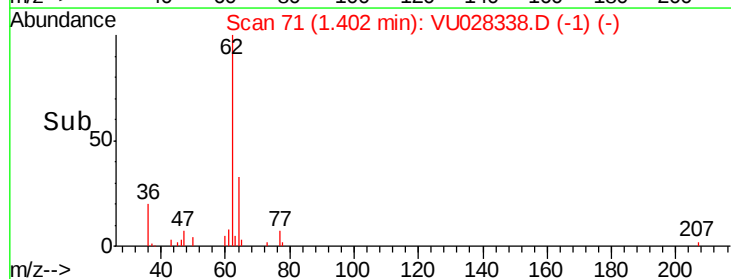
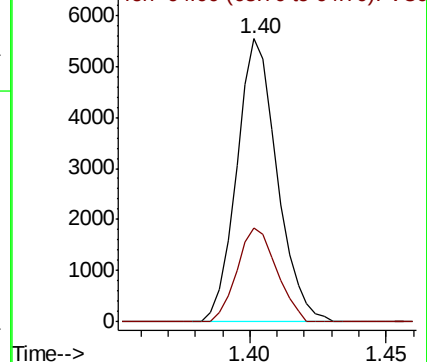
62 100

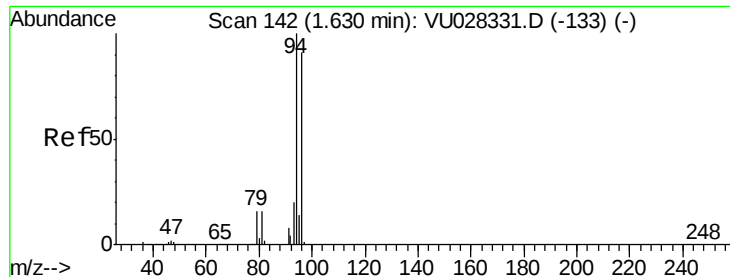
64 33.4 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.291 ug/l

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

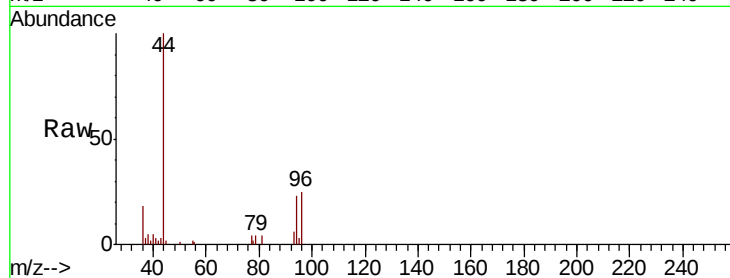
MDL-WATER-03-QT4-2018

Tgt Ion: 94 Resp: 2220

Ion Ratio Lower Upper

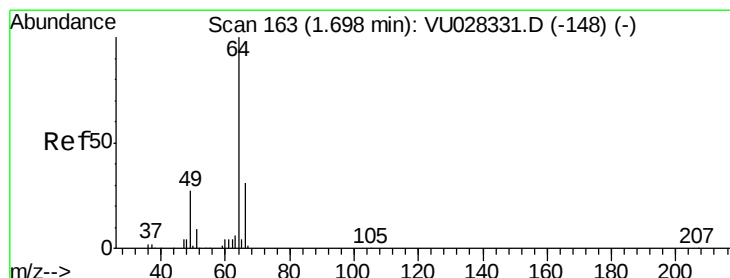
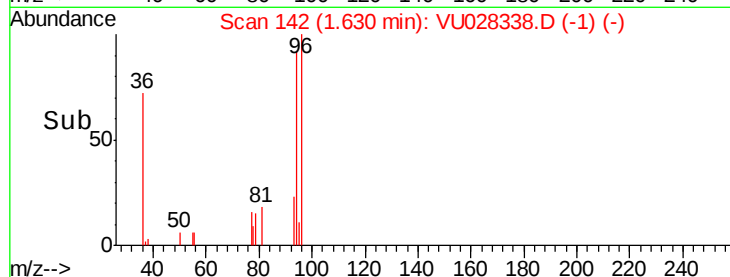
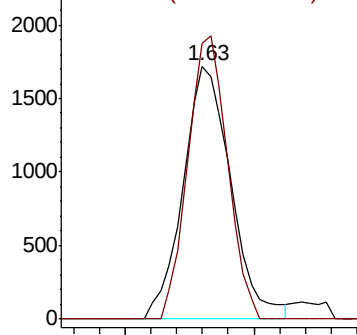
94 100

96 108.8 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: 0.335 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU028338.D

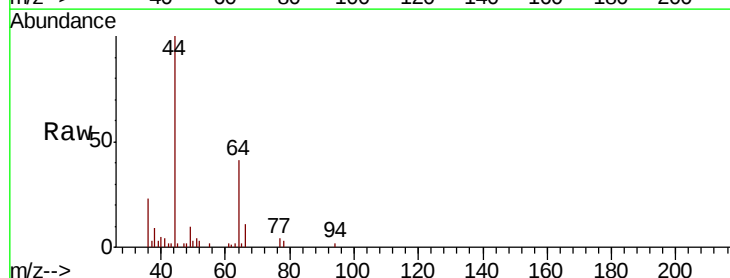
Acq: 26 Nov 2018 14:57

Tgt Ion: 64 Resp: 3782

Ion Ratio Lower Upper

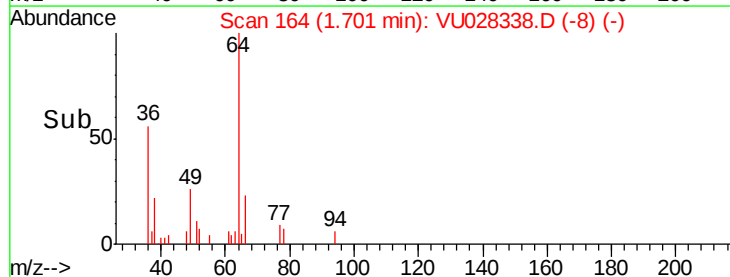
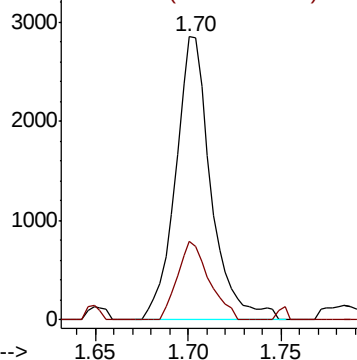
64 100

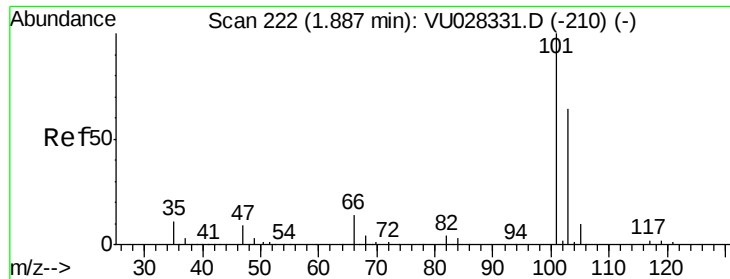
66 27.7 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



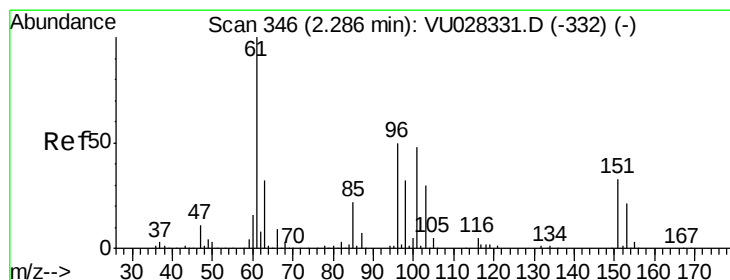
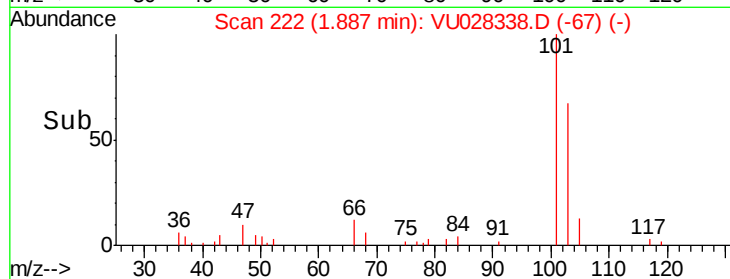
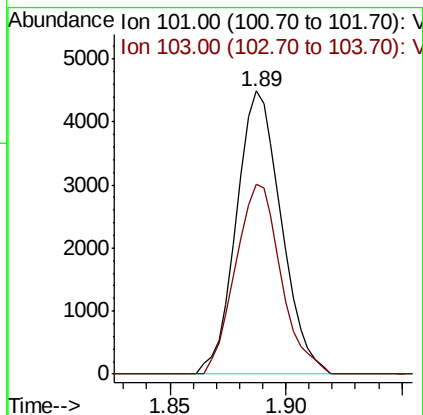
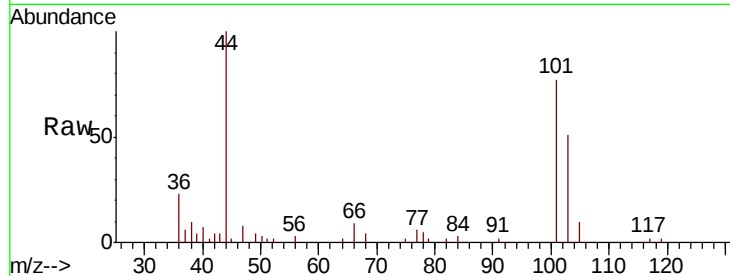


#7

Trichlorofluoromethane
 Concen: 0.285 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

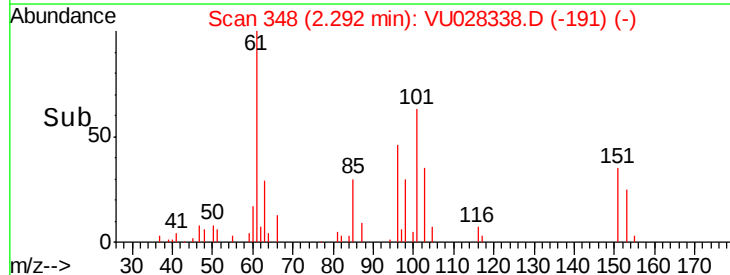
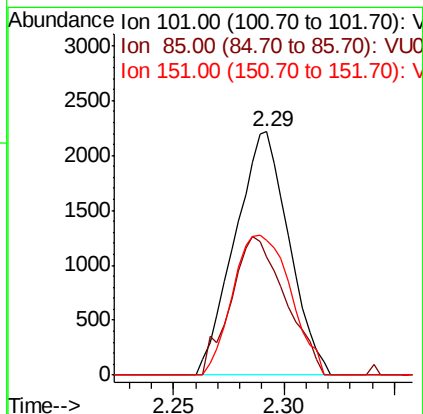
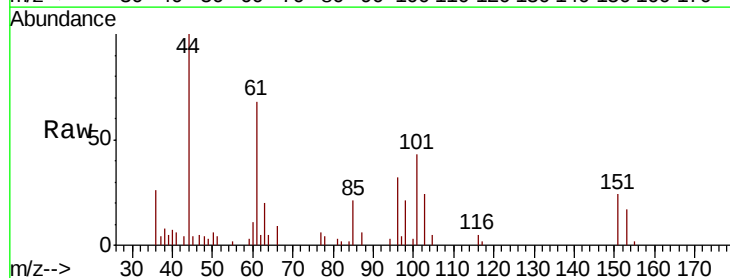
Tgt Ion:101 Resp: 6029
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.4 77.0

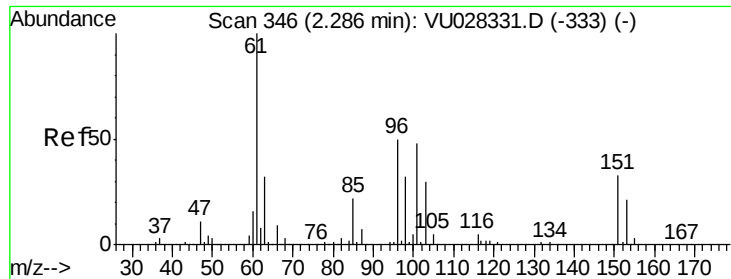


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.308 ug/l
 RT: 2.29 min Scan# 348
 Delta R.T. 0.01 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Tgt Ion:101 Resp: 3750
 Ion Ratio Lower Upper
 101 100
 85 57.5 36.7 55.1#
 151 61.7 55.8 83.6





#9

1,1-Dichloroethene

Concen: 0.258 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

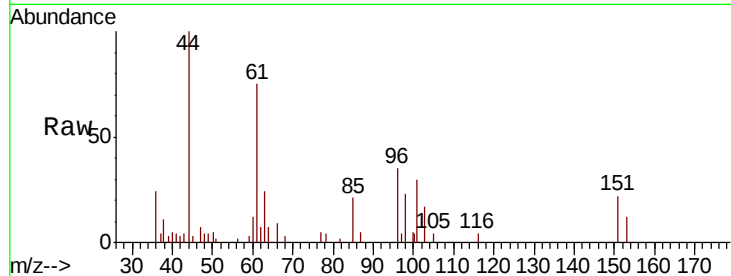
Tgt Ion: 96 Resp: 2898

Ion Ratio Lower Upper

96 100

61 215.9 0.0 597.6

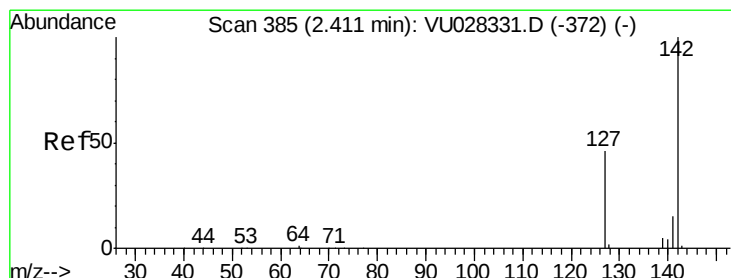
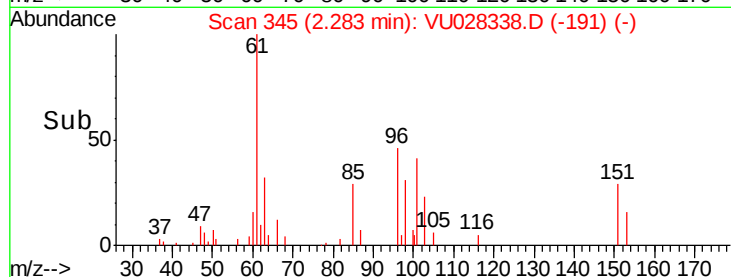
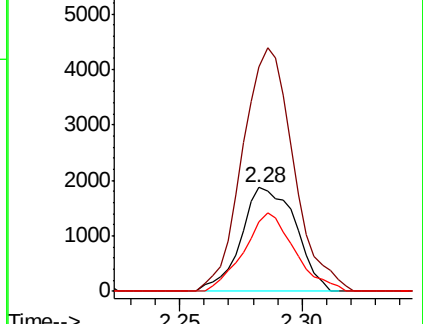
98 67.0 0.0 127.6



Abundance Ion 96.00 (95.70 to 96.70): VU028331.D (-333) (-)

Ion 61.00 (60.70 to 61.70): VU028331.D (-333) (-)

Ion 98.00 (97.70 to 98.70): VU028331.D (-333) (-)



#10

Iodomethane

Concen: 0.260 ug/l

RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

Lab File: VU028338.D

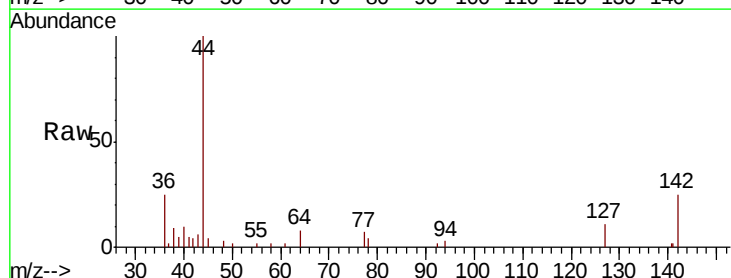
Acq: 26 Nov 2018 14:57

Tgt Ion: 142 Resp: 1975

Ion Ratio Lower Upper

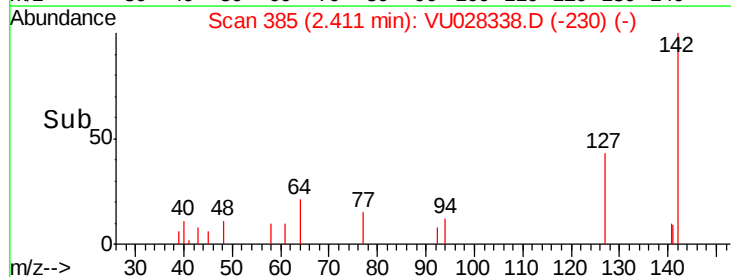
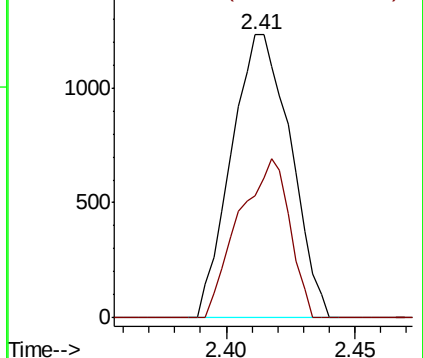
142 100

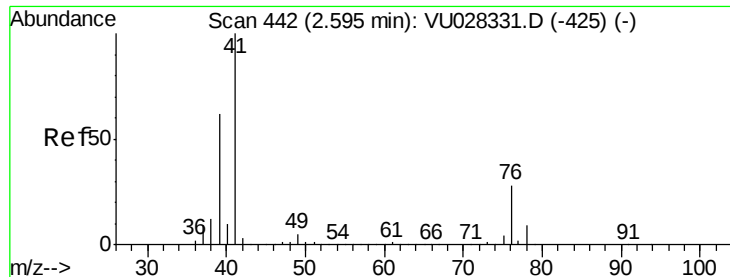
127 48.5 36.4 54.6



Abundance Ion 142.00 (141.70 to 142.70): VU028331.D (-372) (-)

Ion 127.00 (126.70 to 127.70): VU028331.D (-372) (-)

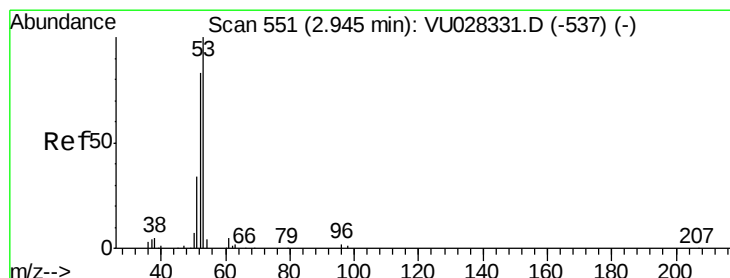
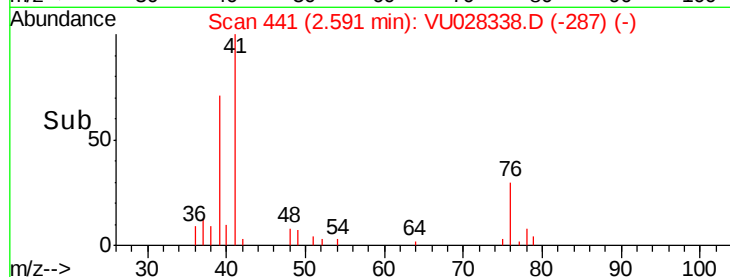
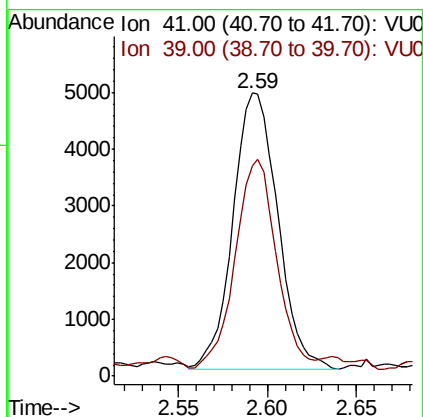
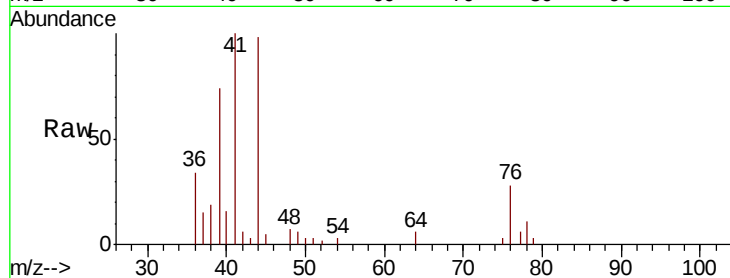




#11
 Allyl Chloride
 Concen: 0.300 ug/l
 RT: 2.59 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

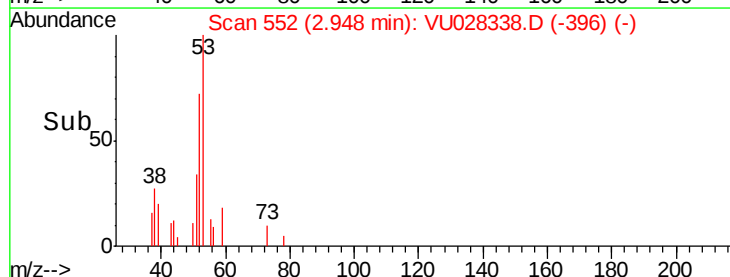
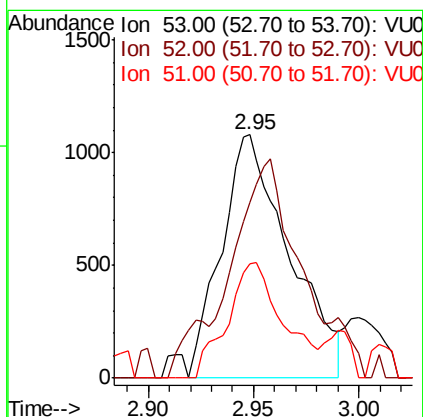
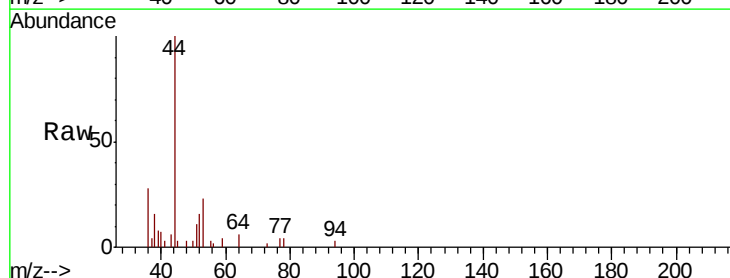
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

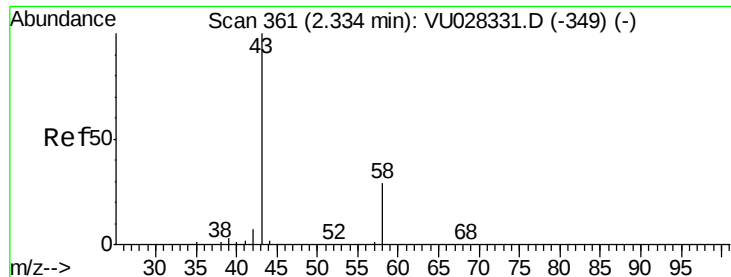
Tgt Ion: 41 Resp: 8522
 Ion Ratio Lower Upper
 41 100
 39 69.3 50.8 76.2



#12
 Acrylonitrile
 Concen: 0.674 ug/l
 RT: 2.95 min Scan# 552
 Delta R.T. 0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Tgt Ion: 53 Resp: 2413
 Ion Ratio Lower Upper
 53 100
 52 97.3 69.3 103.9
 51 39.3 27.8 41.8





#13

Acetone

Concen: 0.892 ug/l

RT: 2.34 min Scan# 363

Delta R.T. 0.01 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

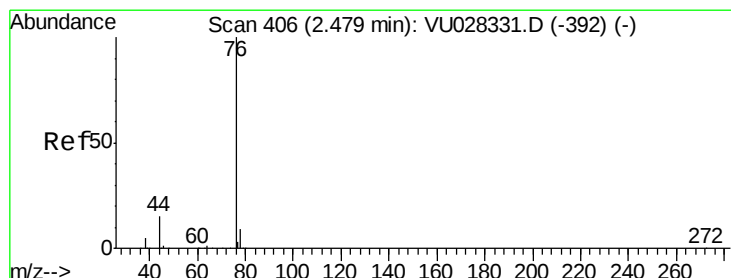
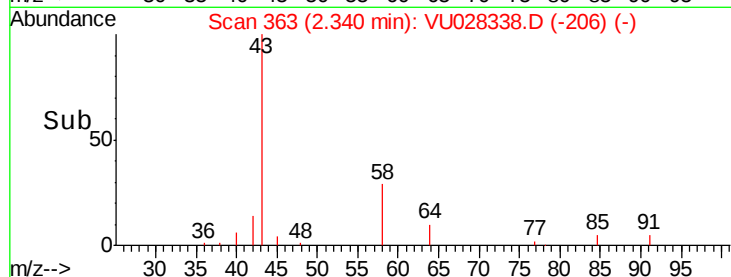
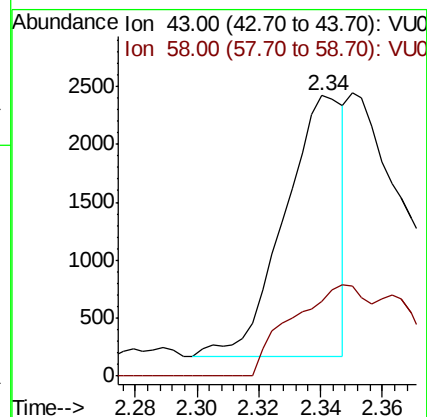
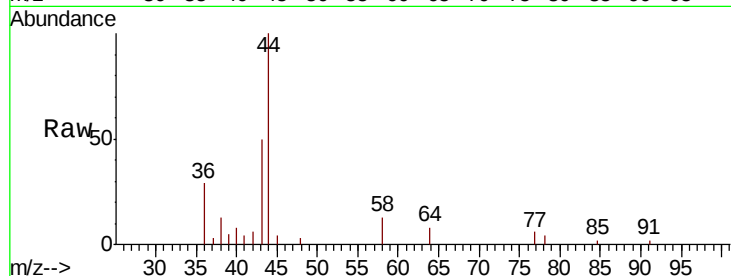
MDL-WATER-03-QT4-2018

Tgt Ion: 43 Resp: 2962

Ion Ratio Lower Upper

43 100

58 28.4 23.1 34.7



#14

Carbon Disulfide

Concen: 0.322 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028338.D

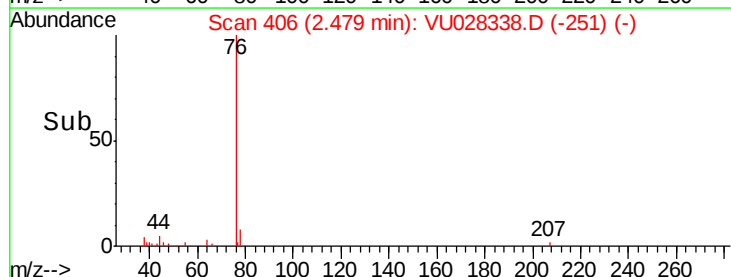
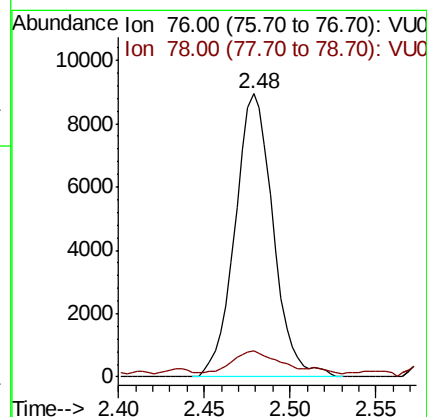
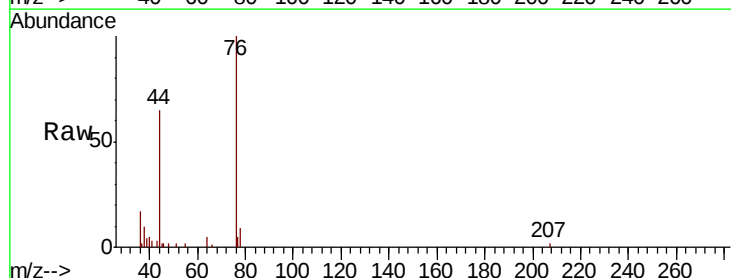
Acq: 26 Nov 2018 14:57

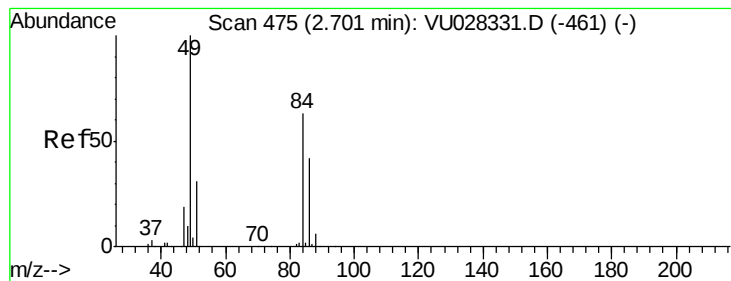
Tgt Ion: 76 Resp: 13755

Ion Ratio Lower Upper

76 100

78 7.8 7.4 11.2





#15

Methylene Chloride

Concen: 0.392 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion: 84 Resp: 5369

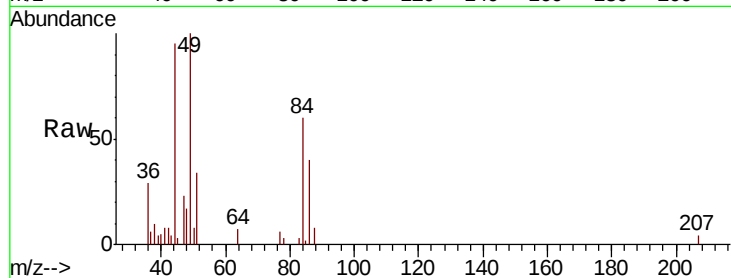
Ion Ratio Lower Upper

84 100

49 167.7 127.7 191.5

51 56.7 0.0 98.2

86 66.8 53.1 79.7

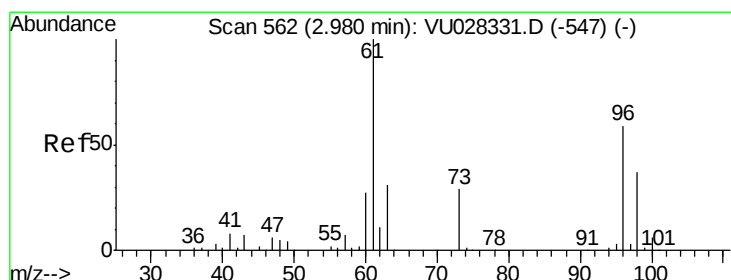
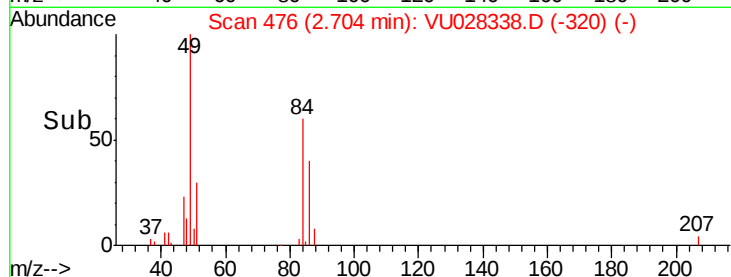
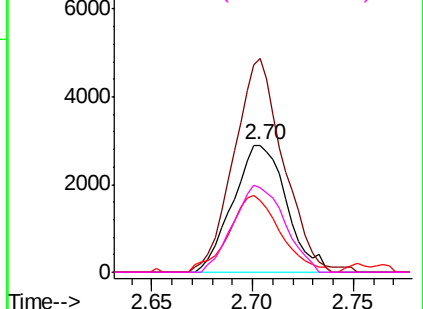


Abundance Ion 84.00 (83.70 to 84.70): VU028338.D (-320) (-)

Ion 49.00 (48.70 to 49.70): VU028338.D (-320) (-)

Ion 51.00 (50.70 to 51.70): VU028338.D (-320) (-)

Ion 86.00 (85.70 to 86.70): VU028338.D (-320) (-)



#16

trans-1,2-Dichloroethene

Concen: 0.264 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

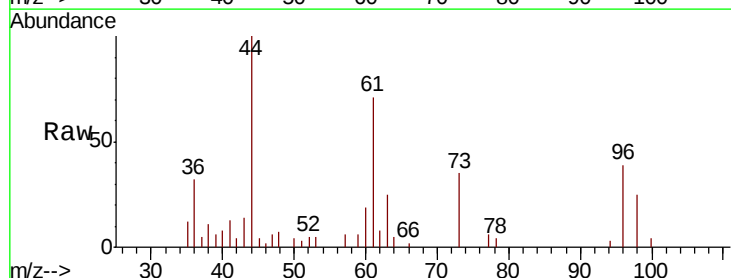
Tgt Ion: 96 Resp: 3318

Ion Ratio Lower Upper

96 100

61 182.9 136.4 204.6

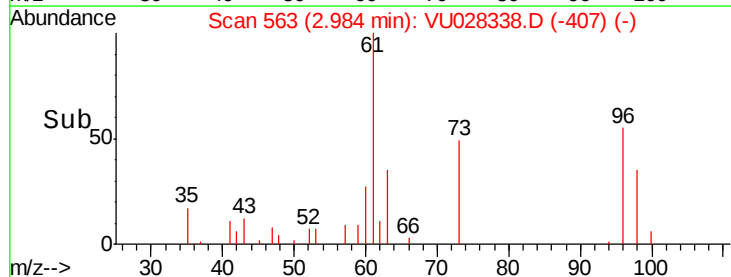
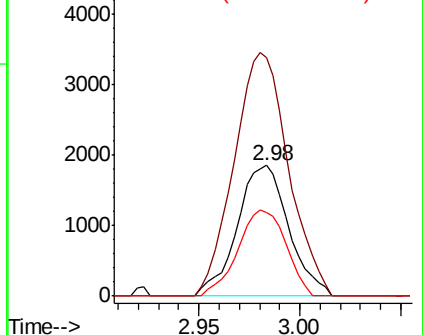
98 64.2 49.8 74.8

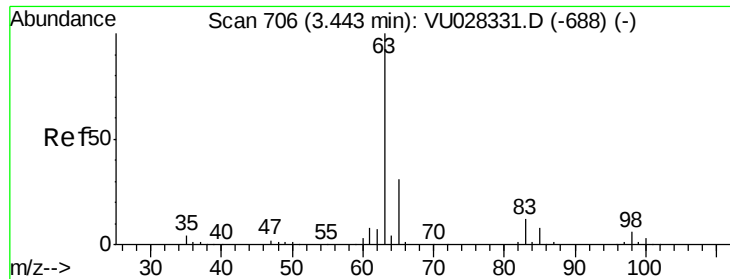


Abundance Ion 96.00 (95.70 to 96.70): VU028338.D (-407) (-)

Ion 61.00 (60.70 to 61.70): VU028338.D (-407) (-)

Ion 98.00 (97.70 to 98.70): VU028338.D (-407) (-)

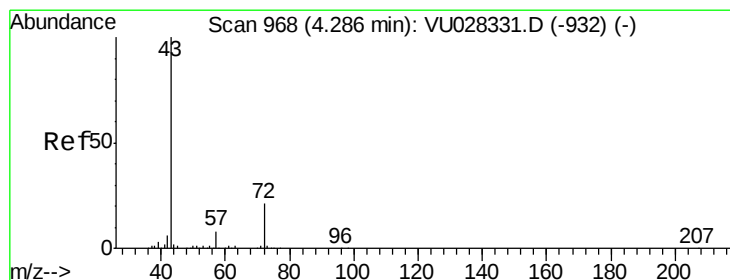
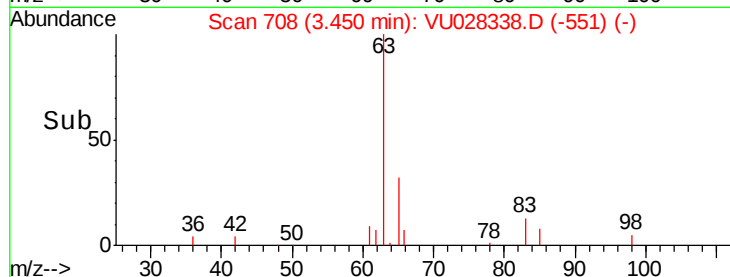
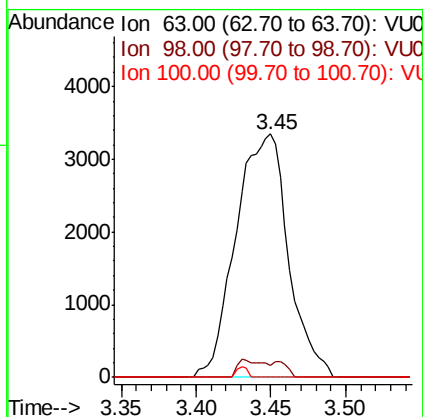
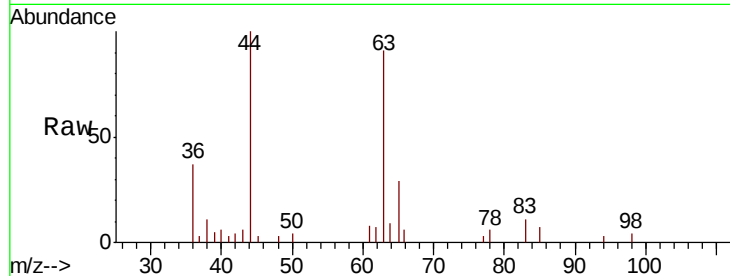




#17
 1,1-Dichloroethane
 Concen: 0.291 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

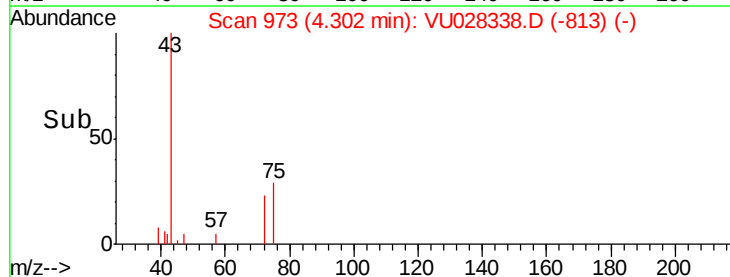
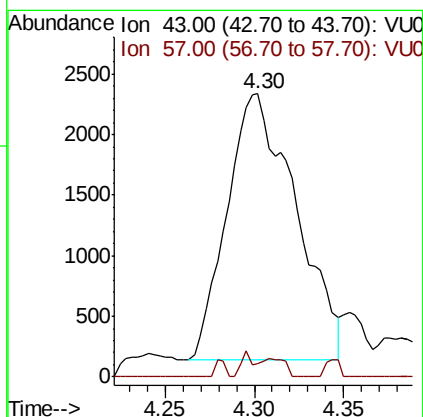
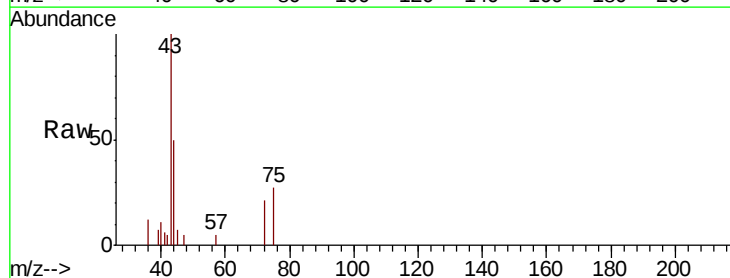
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

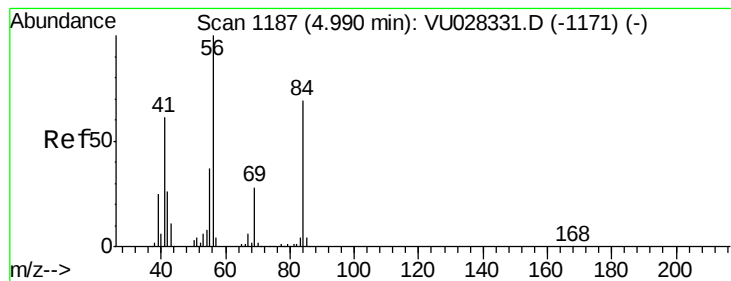
Tgt Ion: 63 Resp: 8172
 Ion Ratio Lower Upper
 63 100
 98 4.8 3.0 9.0
 100 0.0 1.8 5.3#



#18
 2-Butanone
 Concen: 1.189 ug/l
 RT: 4.30 min Scan# 973
 Delta R.T. 0.02 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Tgt Ion: 43 Resp: 5896
 Ion Ratio Lower Upper
 43 100
 57 4.8 0.0 15.0





#19

Cyclohexane

Concen: 0.304 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

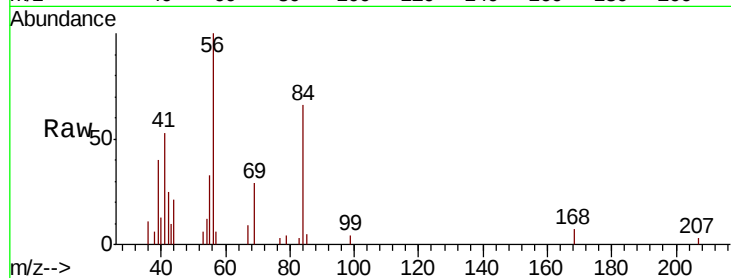
Tgt Ion: 56 Resp: 7410

Ion Ratio Lower Upper

56 100

69 29.9 25.0 37.6

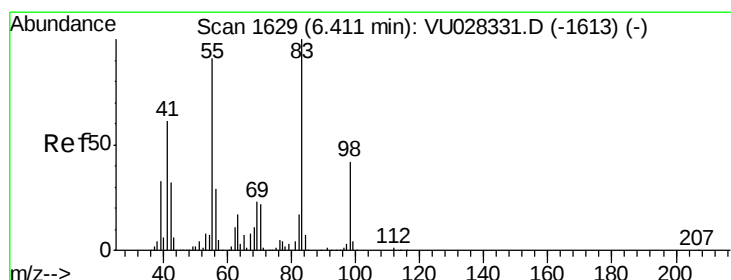
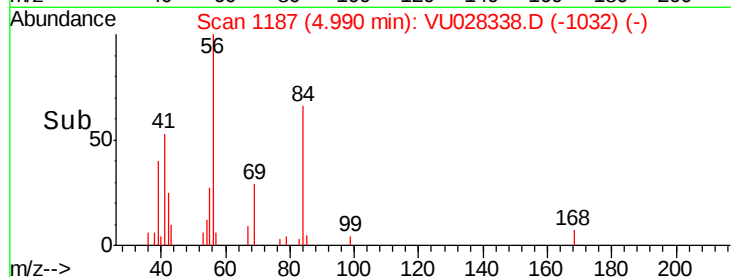
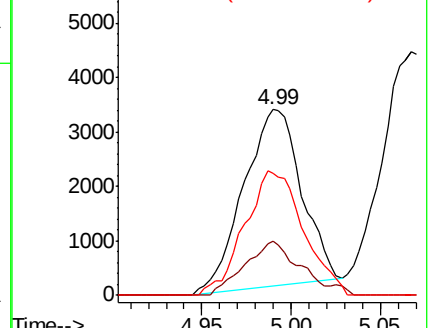
84 71.1 62.6 94.0



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#20

Methylcyclohexane

Concen: 0.255 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

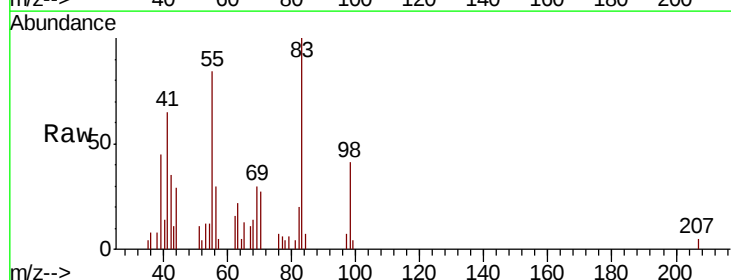
Tgt Ion: 83 Resp: 6085

Ion Ratio Lower Upper

83 100

55 102.8 72.6 108.8

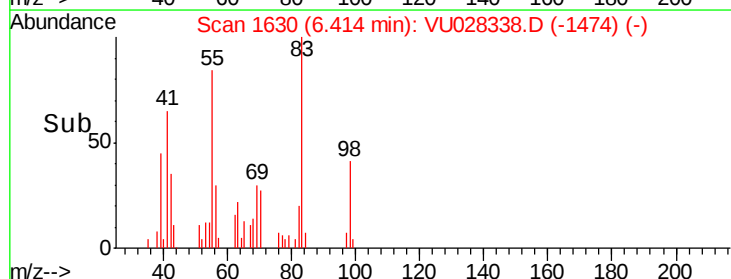
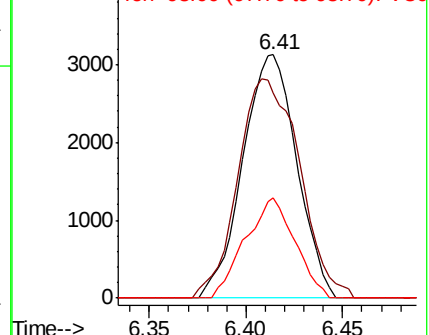
98 37.8 33.8 50.8

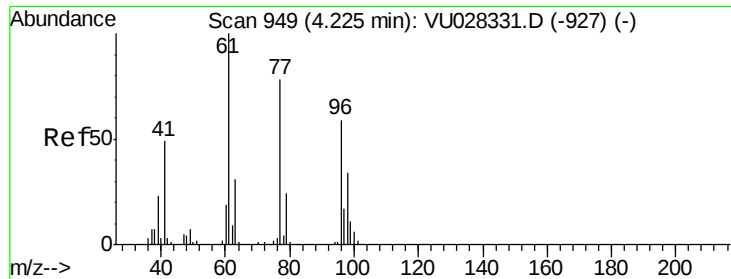


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

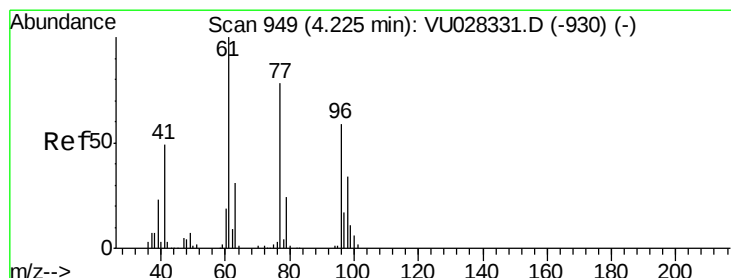
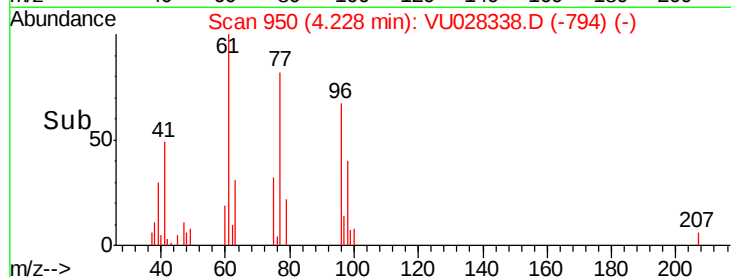
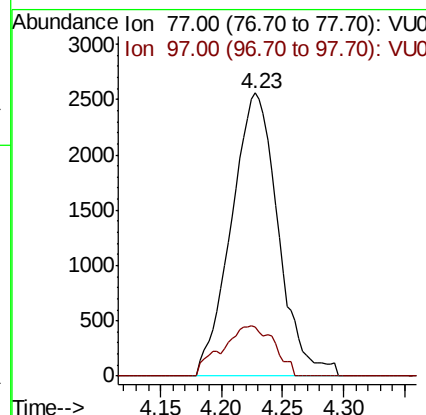
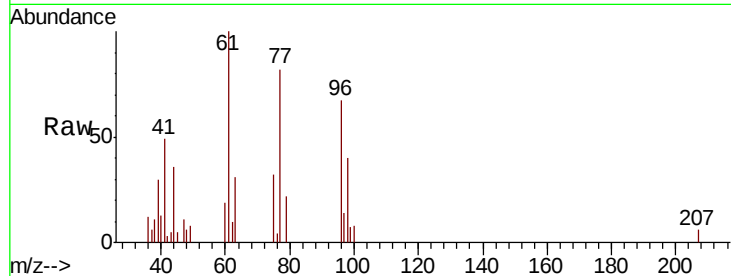




#21
 2,2-Dichloropropane
 Concen: 0.302 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

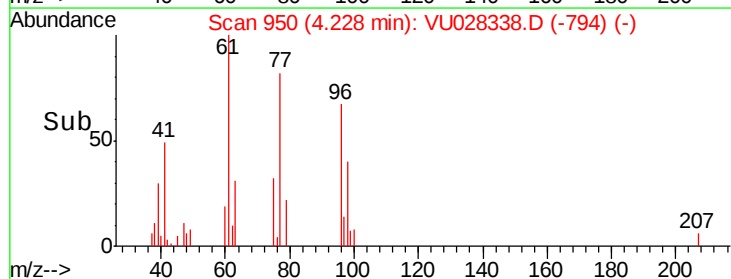
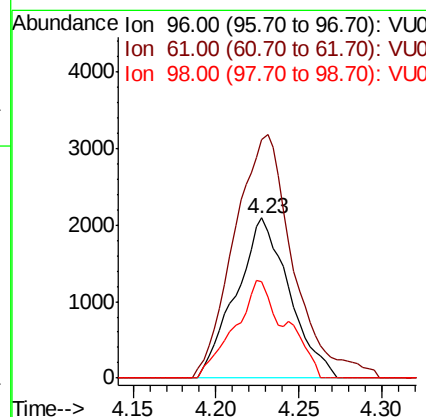
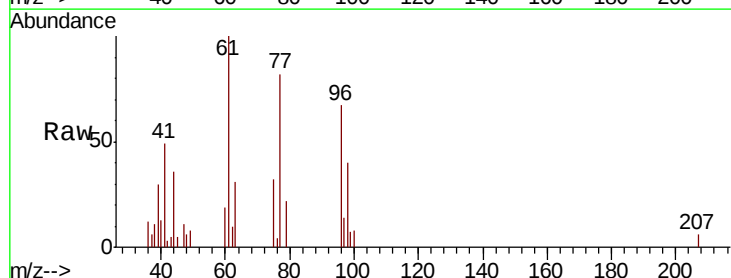
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

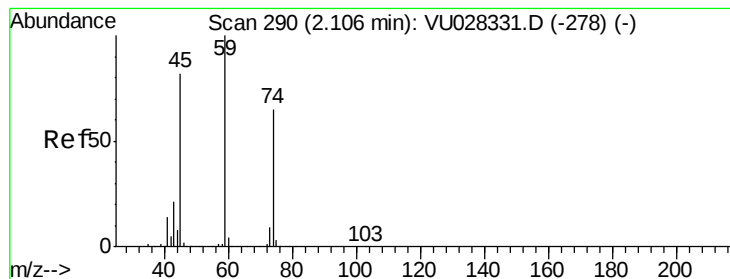
Tgt Ion: 77 Resp: 6802
 Ion Ratio Lower Upper
 77 100
 97 19.7 17.4 26.2



#22
 cis-1,2-Dichloroethene
 Concen: 0.318 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Tgt Ion: 96 Resp: 4678
 Ion Ratio Lower Upper
 96 100
 61 168.4 0.0 423.0
 98 58.7 30.3 91.0





#23

Diethyl Ether

Concen: 0.268 ug/l

RT: 2.11 min Scan# 290

Delta R.T. -0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

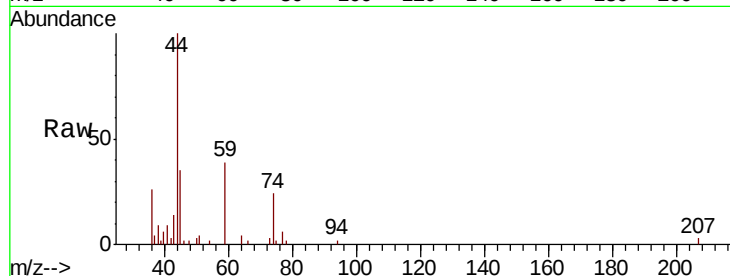
Tgt Ion: 59 Resp: 3024

Ion Ratio Lower Upper

59 100

45 90.1 66.4 99.6

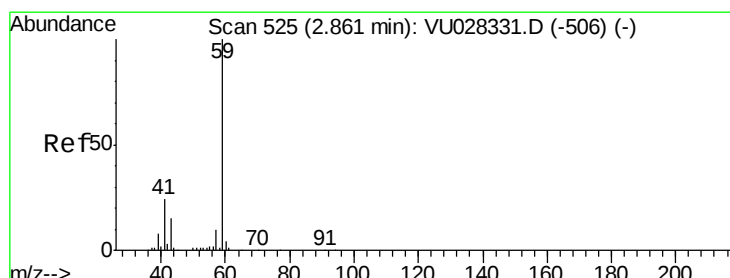
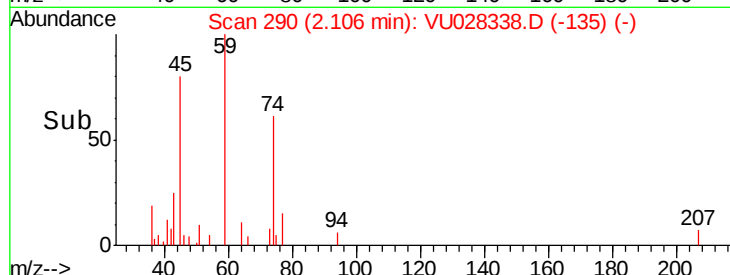
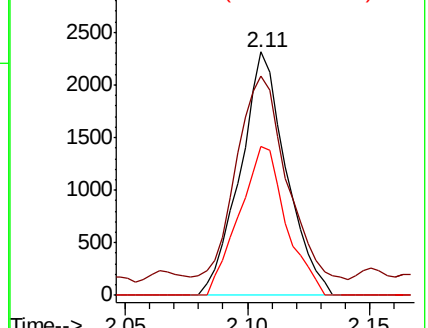
74 62.1 52.2 78.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#24

tert-Butyl Alcohol

Concen: 0.272 ug/l

RT: 2.85 min Scan# 523

Delta R.T. -0.01 min

Lab File: VU028338.D

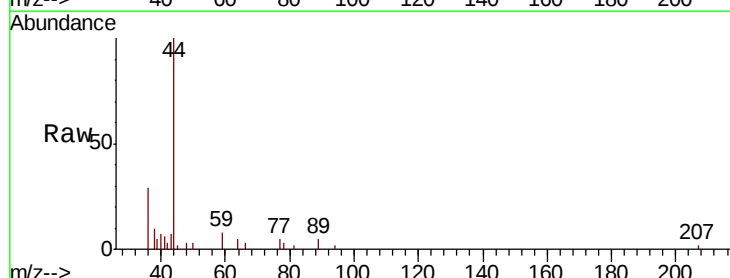
Acq: 26 Nov 2018 14:57

Tgt Ion: 59 Resp: 308

Ion Ratio Lower Upper

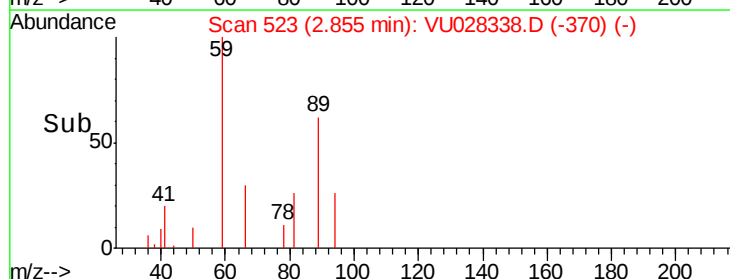
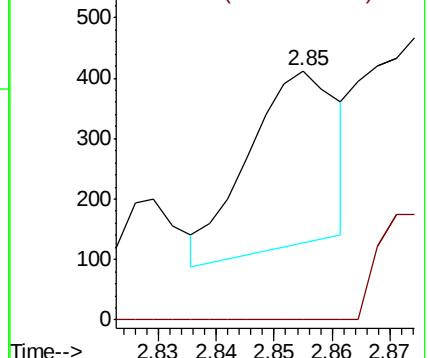
59 100

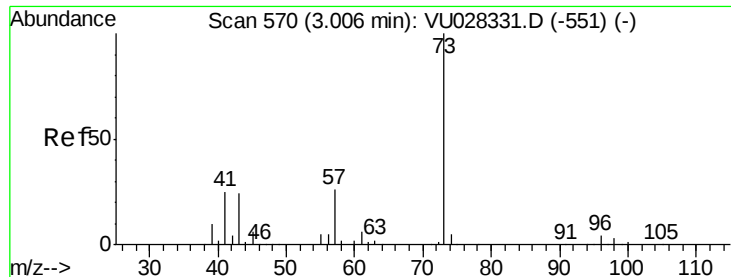
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



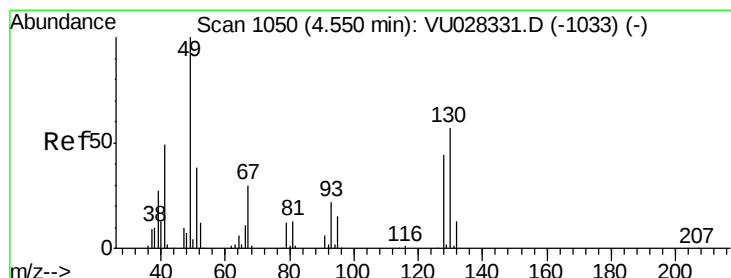
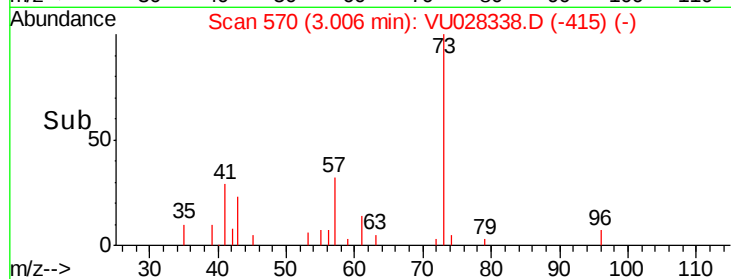
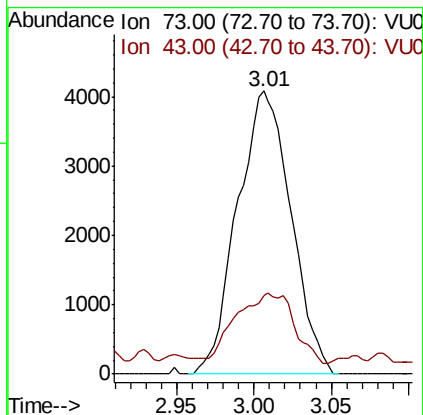
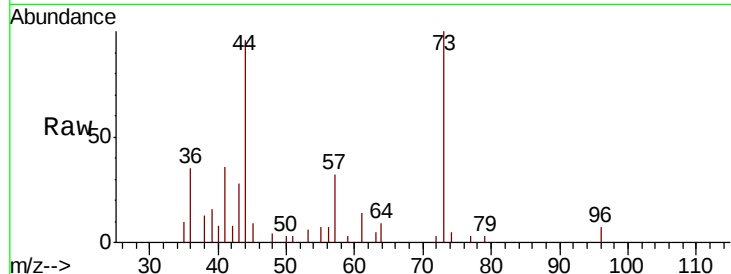


#25

Methyl tert-Butyl Ether
 Concen: 0.294 ug/l
 RT: 3.01 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

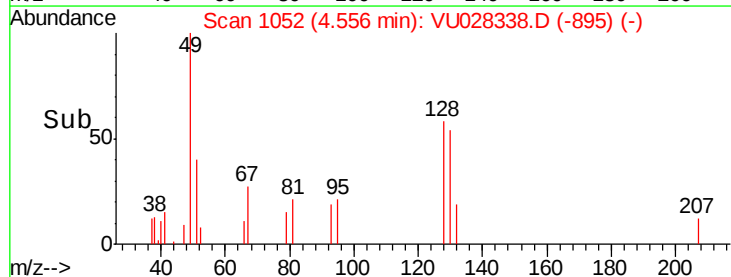
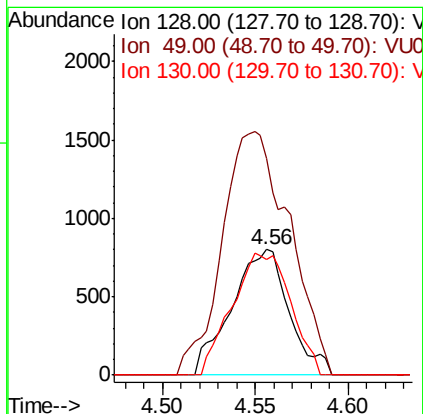
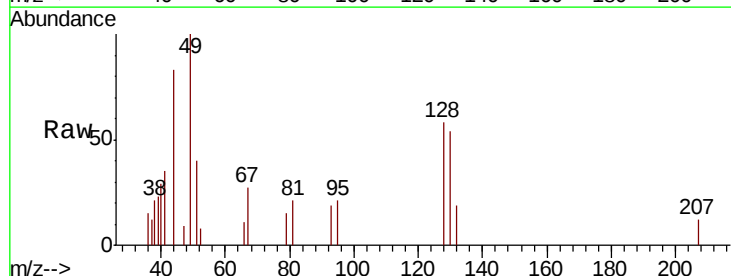
Tgt Ion: 73 Resp: 9816
 Ion Ratio Lower Upper
 73 100
 43 27.1 18.5 27.7

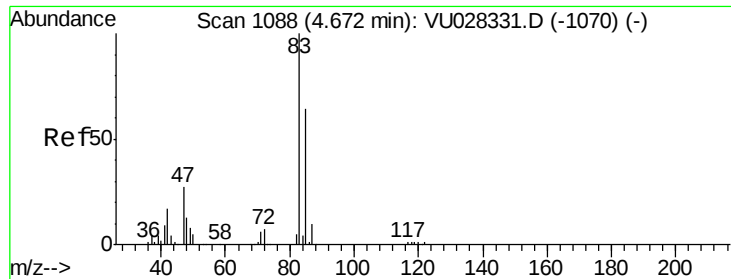


#26

Bromochloromethane
 Concen: 0.308 ug/l
 RT: 4.56 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Tgt Ion: 128 Resp: 1729
 Ion Ratio Lower Upper
 128 100
 49 226.0 0.0 457.6
 130 98.5 101.4 152.2#





#27

Chloroform

Concen: 0.388 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

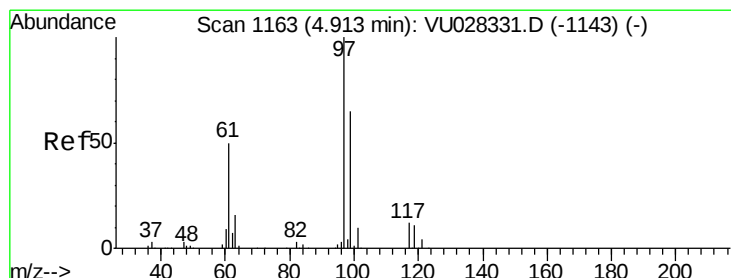
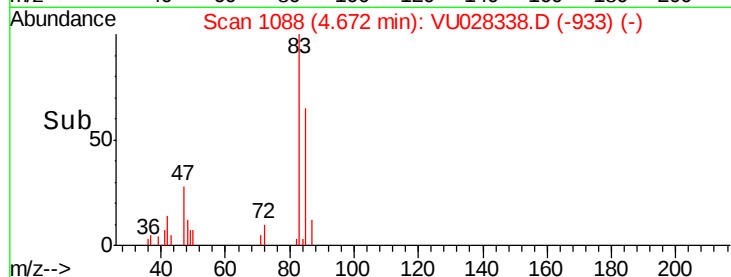
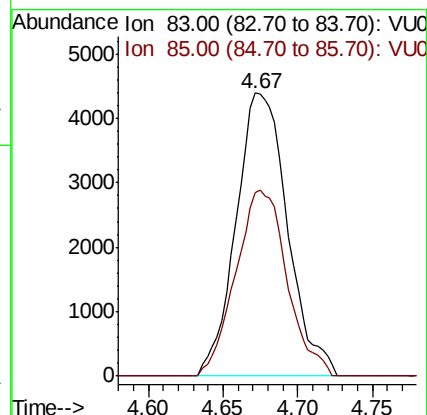
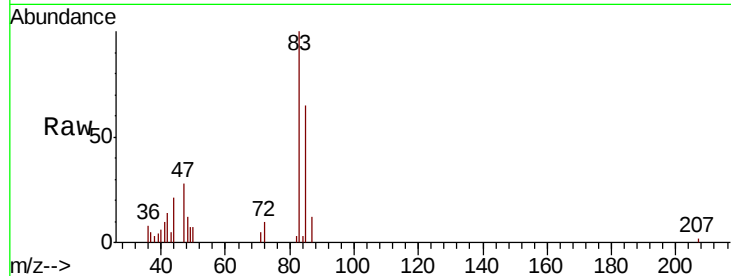
MDL-WATER-03-QT4-2018

Tgt Ion: 83 Resp: 10506

Ion Ratio Lower Upper

83 100

85 65.0 0.0 128.0



#28

1,1,1-Trichloroethane

Concen: 0.278 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

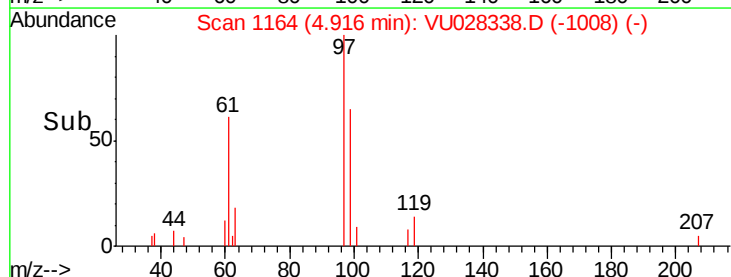
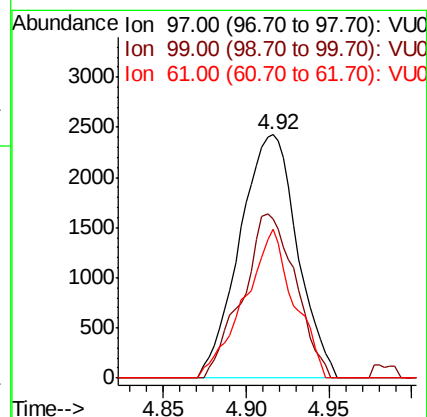
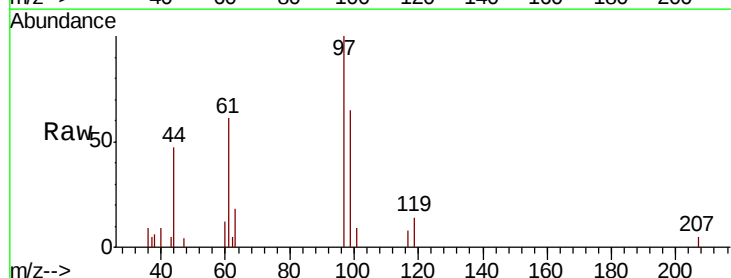
Tgt Ion: 97 Resp: 5870

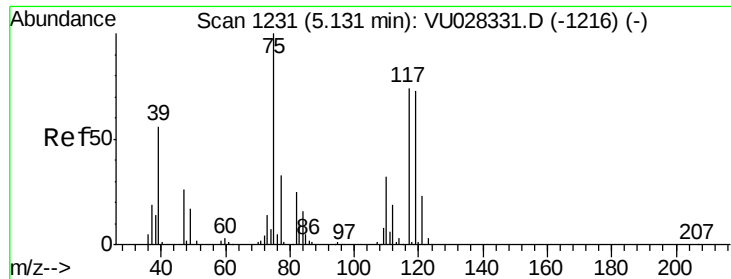
Ion Ratio Lower Upper

97 100

99 62.0 32.2 96.6

61 52.7 24.9 74.7

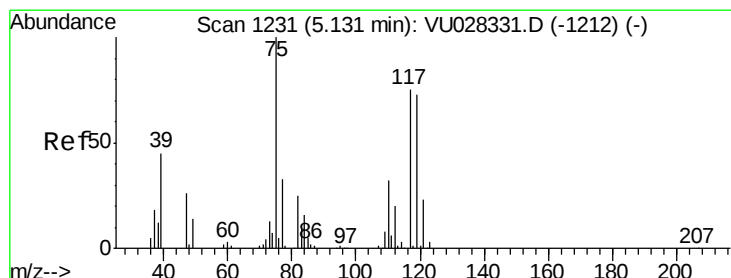
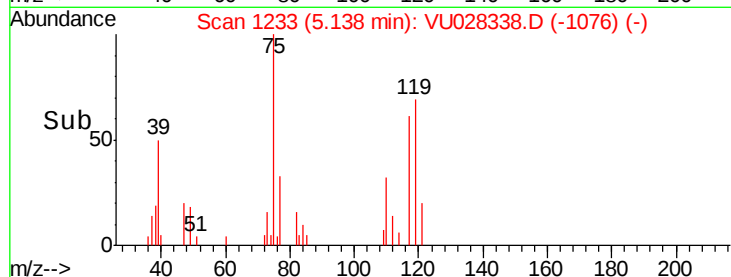
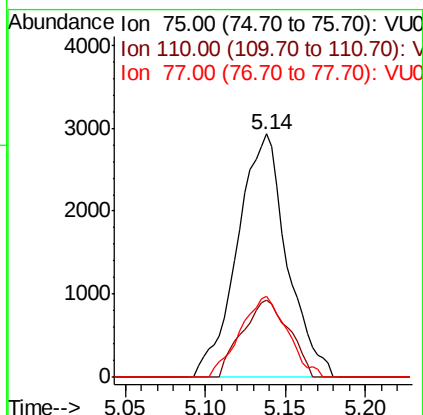
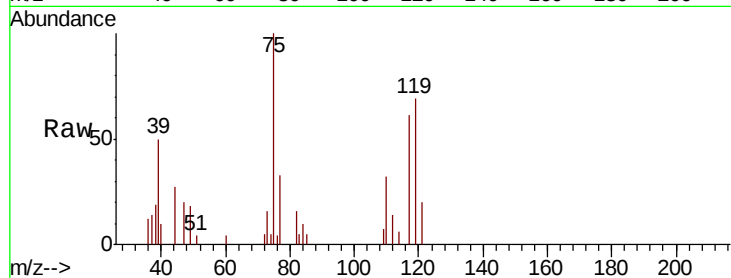




#29
 1,1-Dichloropropene
 Concen: 0.306 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

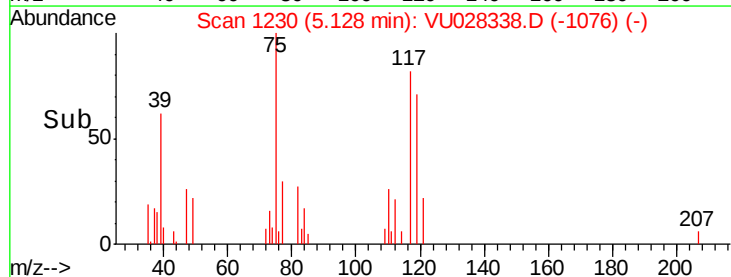
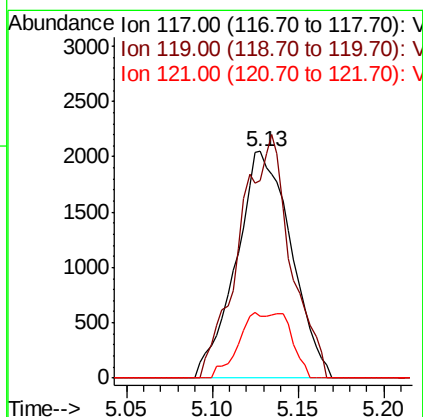
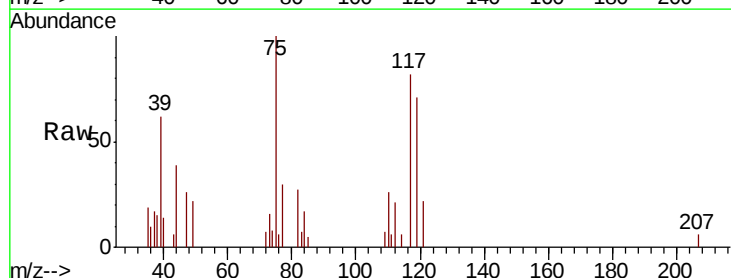
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

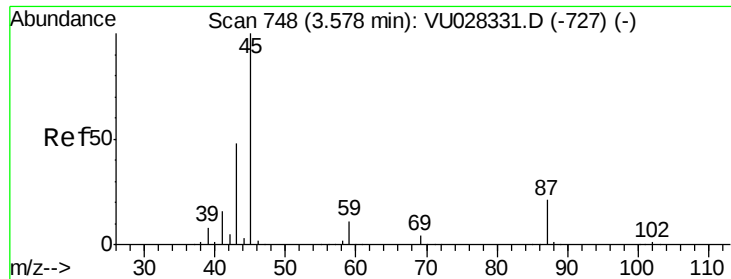
Tgt Ion: 75 Resp: 6203
 Ion Ratio Lower Upper
 75 100
 110 30.1 15.8 47.3
 77 31.7 25.4 38.0



#30
 Carbon Tetrachloride
 Concen: 0.267 ug/l
 RT: 5.13 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Tgt Ion: 117 Resp: 4553
 Ion Ratio Lower Upper
 117 100
 119 87.1 78.2 117.4
 121 27.1 24.7 37.1





#31

Isopropyl Ether

Concen: 0.281 ug/l

RT: 3.58 min Scan# 750

Delta R.T. 0.01 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

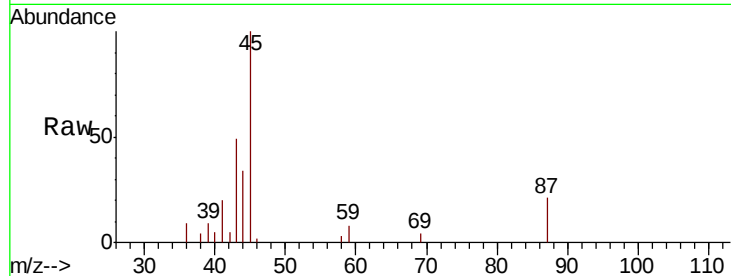
MDL-WATER-03-QT4-2018

Tgt Ion: 45 Resp: 14122

Ion Ratio Lower Upper

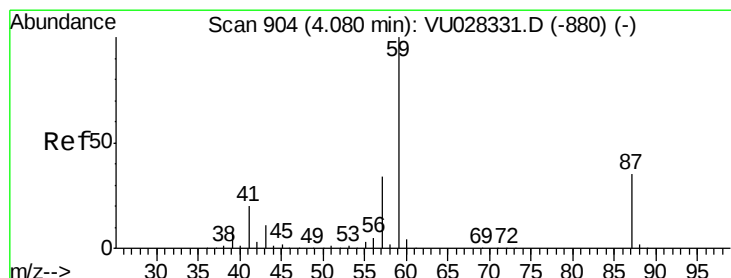
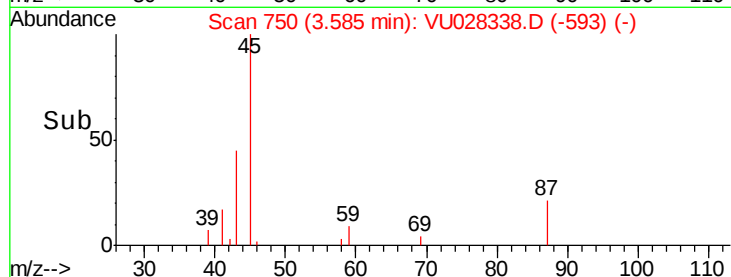
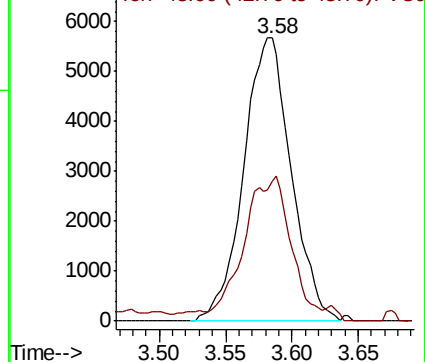
45 100

43 46.3 24.2 72.6



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 0.290 ug/l

RT: 4.08 min Scan# 904

Delta R.T. -0.00 min

Lab File: VU028338.D

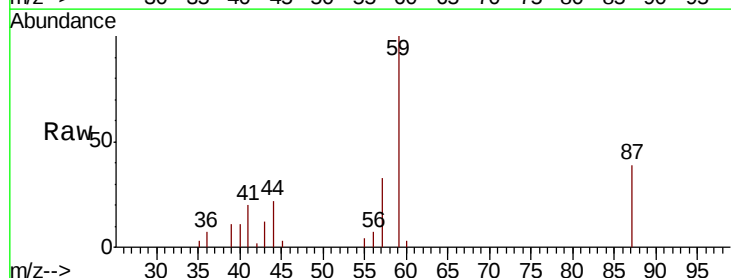
Acq: 26 Nov 2018 14:57

Tgt Ion: 59 Resp: 11991

Ion Ratio Lower Upper

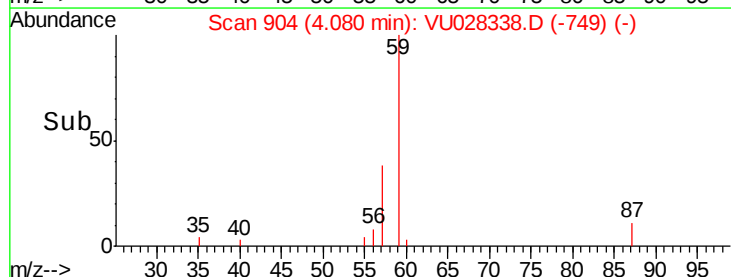
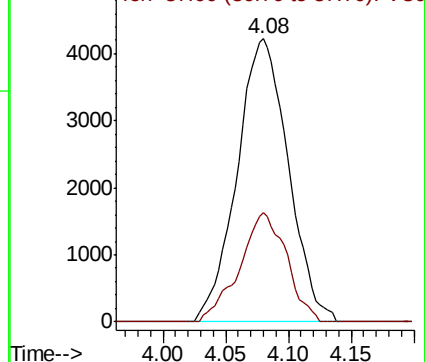
59 100

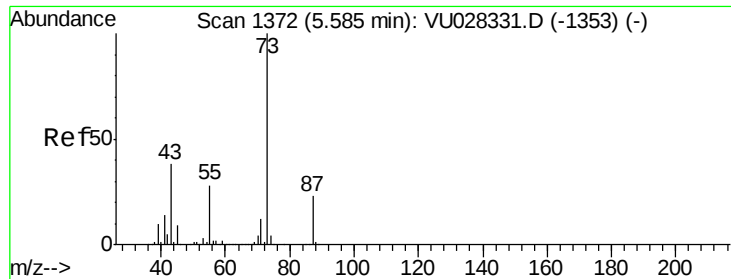
87 35.4 28.2 42.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

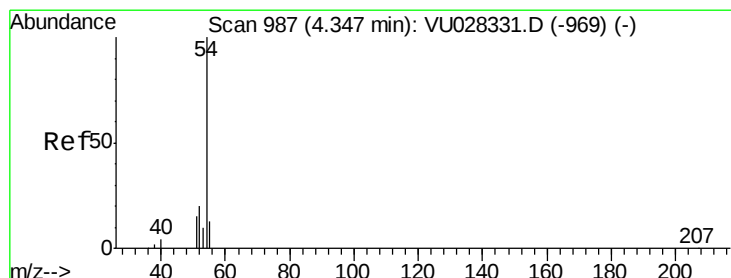
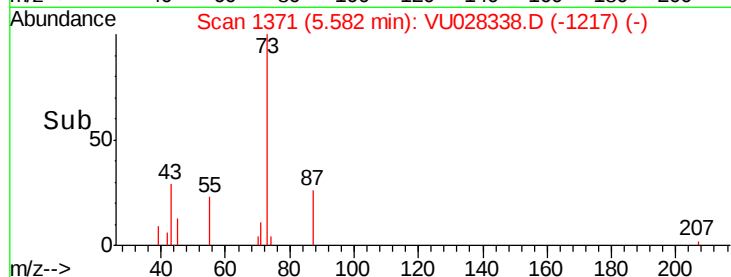
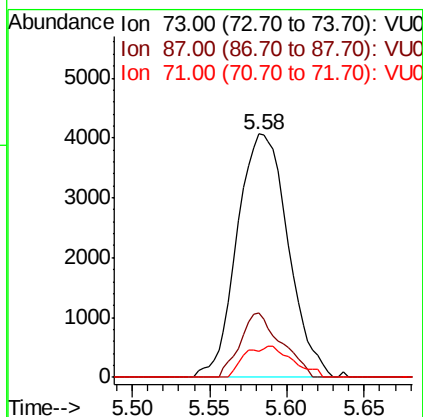
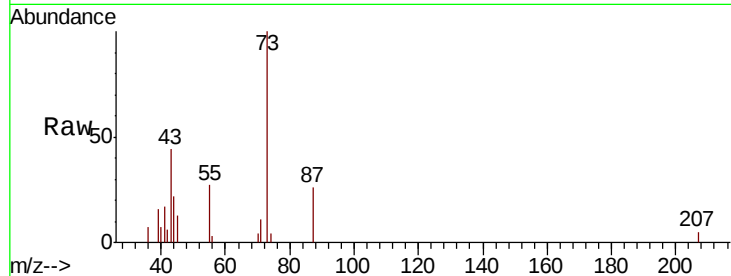




#33
Tert-Amyl methyl ether
Concen: 0.271 ug/l
RT: 5.58 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

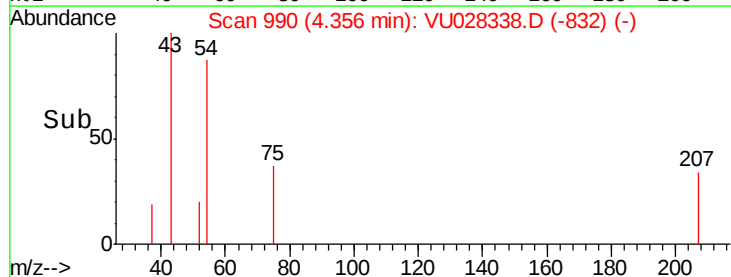
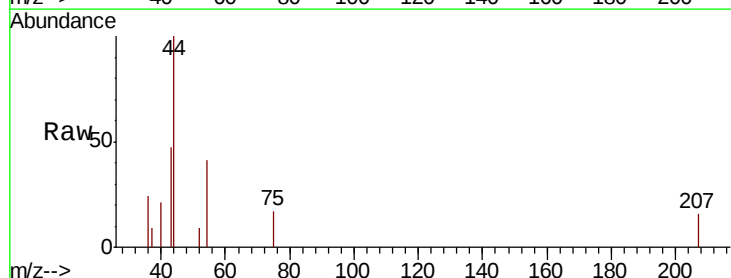
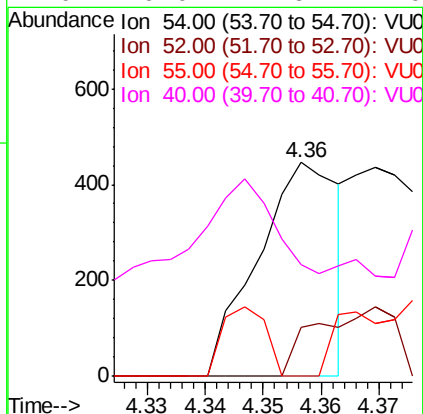
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

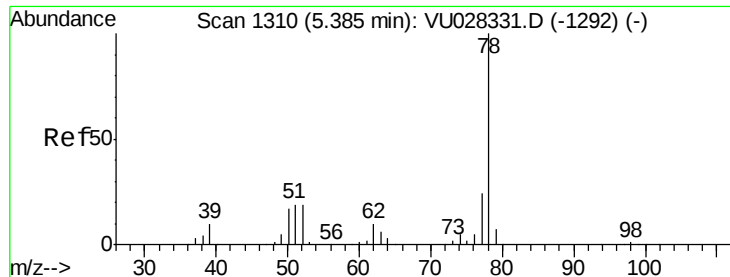
Tgt Ion: 73 Resp: 9301
Ion Ratio Lower Upper
73 100
87 21.2 17.6 26.4
71 12.0 9.2 13.8



#34
Propionitrile
Concen: 0.347 ug/l
RT: 4.36 min Scan# 990
Delta R.T. 0.01 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

Tgt Ion: 54 Resp: 432
Ion Ratio Lower Upper
54 100
52 31.3 16.6 25.0#
55 16.7 12.9 19.3
40 0.0 2.6 4.0#





#35

Benzene

Concen: 0.268 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

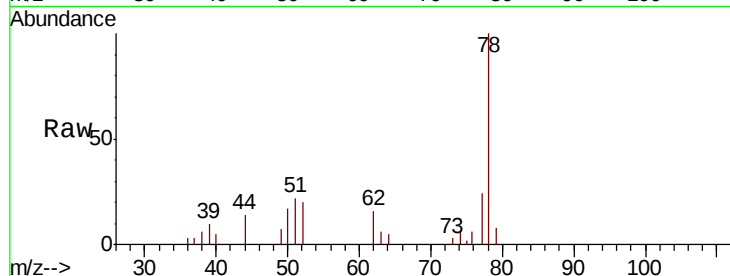
MDL-WATER-03-QT4-2018

Tgt Ion: 78 Resp: 15964

Ion Ratio Lower Upper

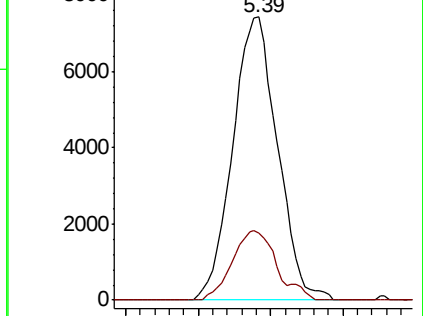
78 100

77 23.6 19.5 29.3

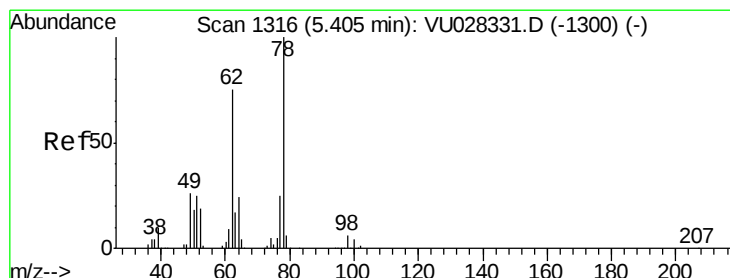
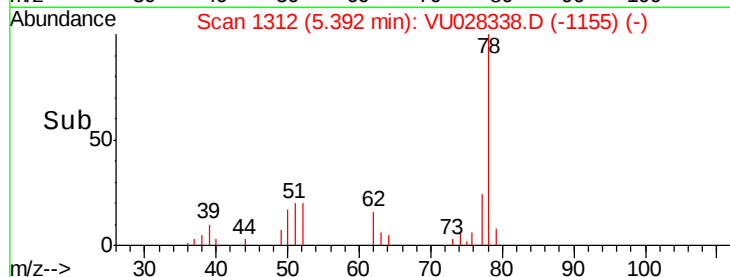


Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time--> 5.30 5.35 5.40 5.45



#36

1,2-Dichloroethane

Concen: 0.284 ug/l

RT: 5.41 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VU028338.D

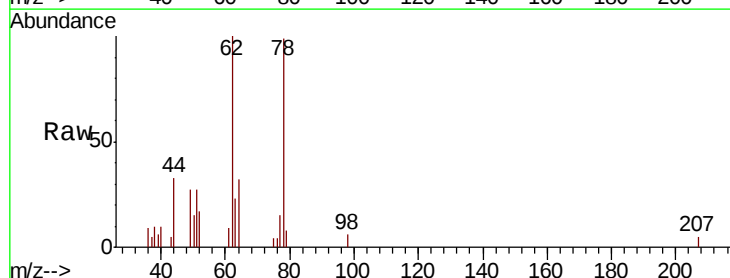
Acq: 26 Nov 2018 14:57

Tgt Ion: 62 Resp: 5071

Ion Ratio Lower Upper

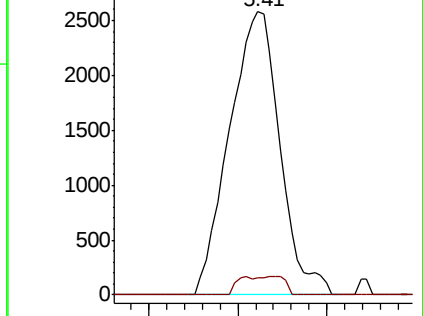
62 100

98 2.2 6.0 9.0#

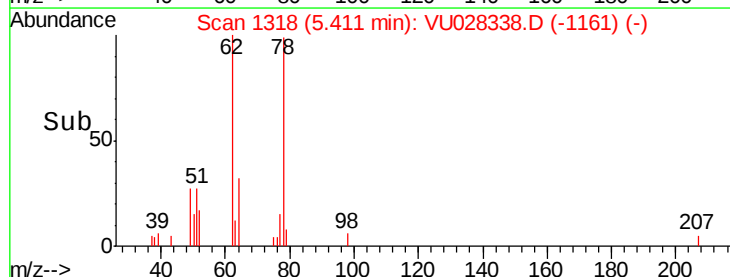


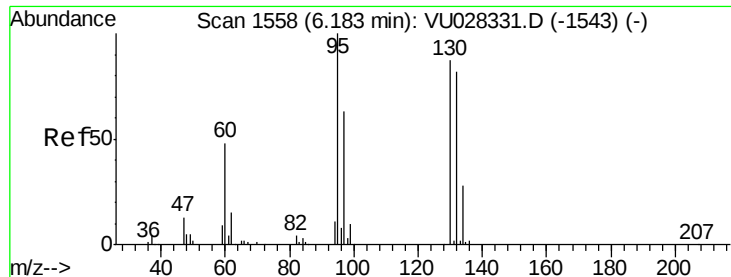
Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



Time--> 5.35 5.40 5.45





#37

Trichloroethene

Concen: 0.326 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

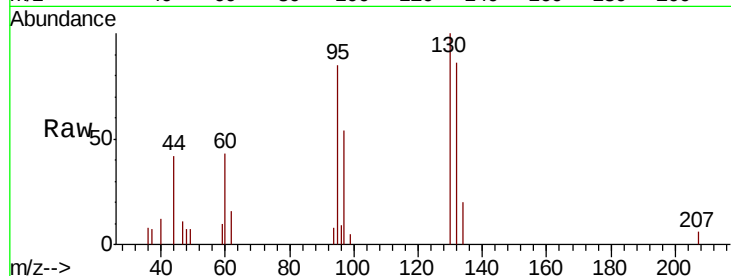
MDL-WATER-03-QT4-2018

Tgt Ion: 130 Resp: 4233

Ion Ratio Lower Upper

130 100

95 85.0 91.5 137.3#



Abundance Ion 129.90 (129.60 to 130.60): VU028338.D (-1543) (-)

Ion 94.90 (94.60 to 95.60): VU028338.D (-1543) (-)

6.19

2500

2000

1500

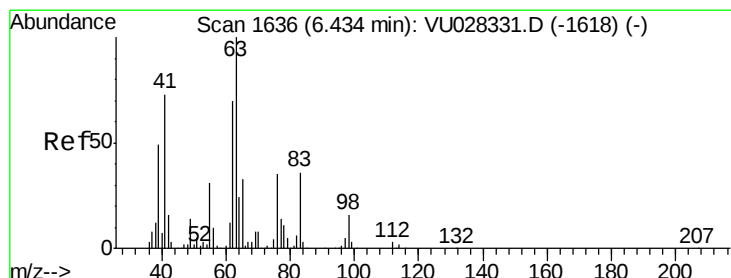
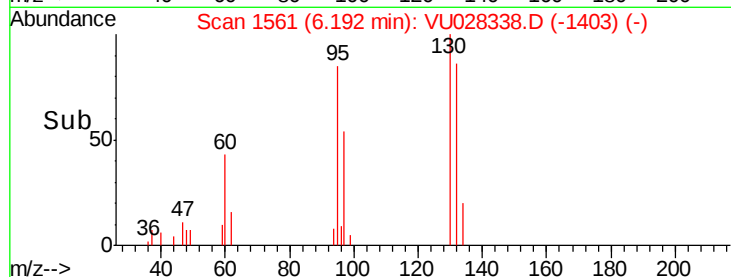
1000

500

0

6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 0.289 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU028338.D

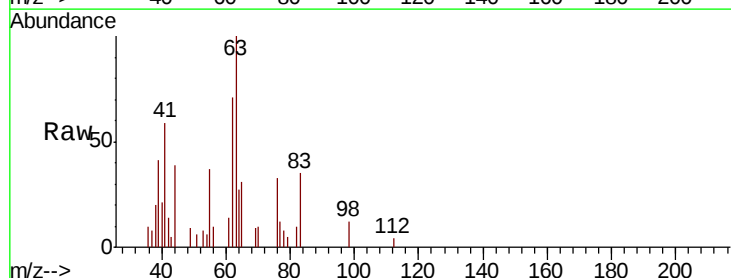
Acq: 26 Nov 2018 14:57

Tgt Ion: 63 Resp: 4912

Ion Ratio Lower Upper

63 100

65 31.0 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VU028338.D (-1481) (-)

Ion 65.00 (64.70 to 65.70): VU028338.D (-1481) (-)

6.43

3000

2500

2000

1500

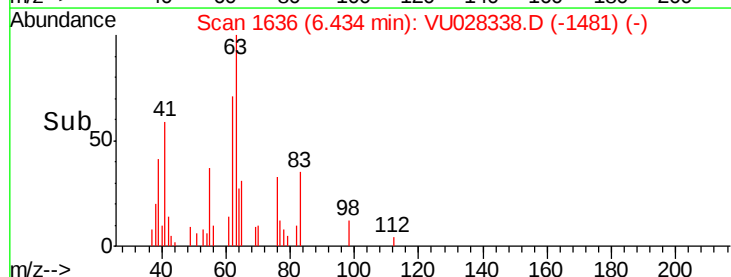
1000

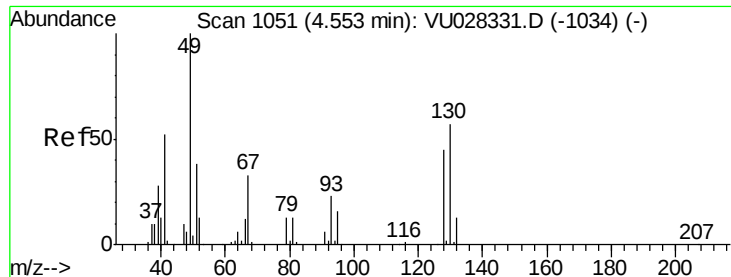
500

0

6.40 6.45 6.50

Time-->

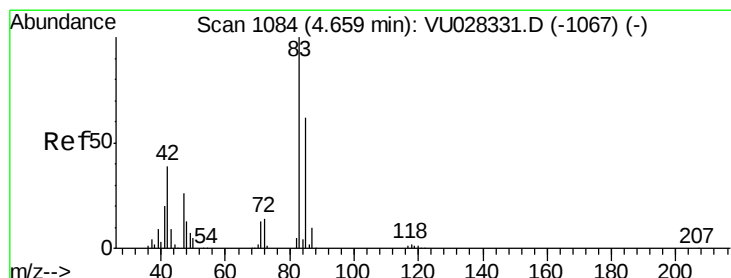
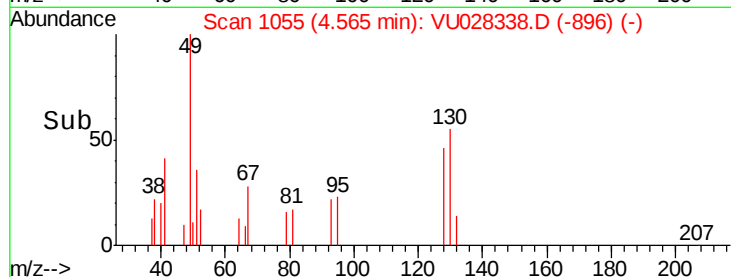
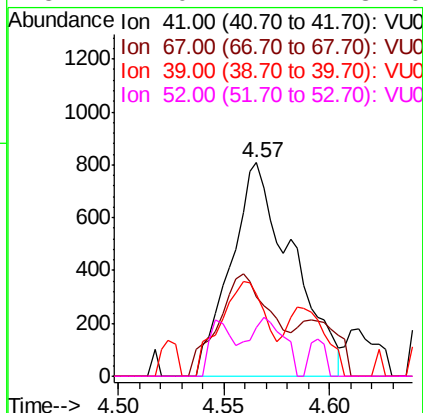
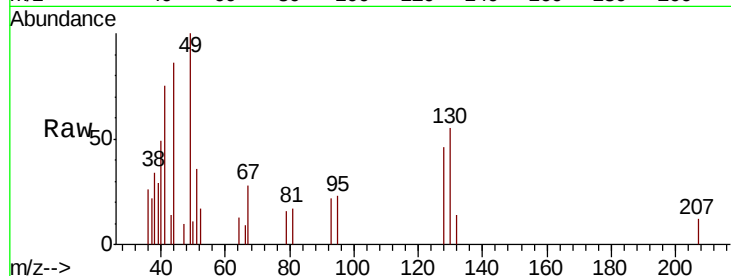




#39
Methacrylonitrile
Concen: 0.246 ug/l
RT: 4.57 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

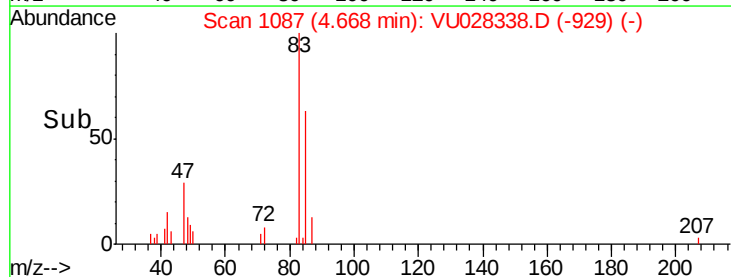
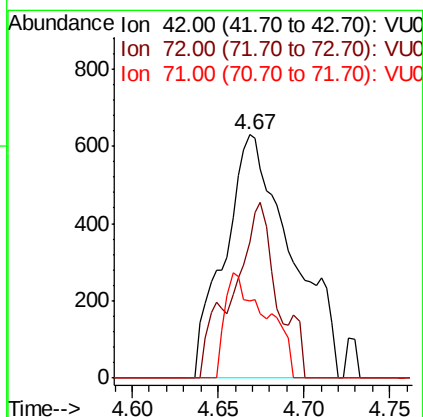
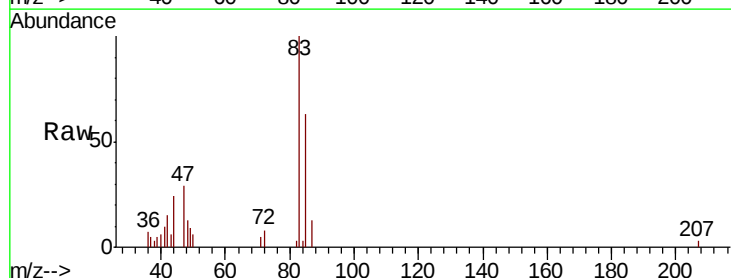
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

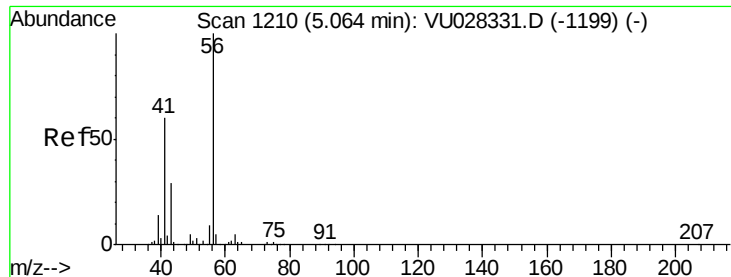
Tgt Ion:	41	Resp:	1645
Ion	Ratio	Lower	Upper
41	100		
67	41.9	48.2	72.4#
39	33.1	42.9	64.3#
52	14.0	21.4	32.0#



#41
Tetrahydrofuran
Concen: 0.509 ug/l
RT: 4.67 min Scan# 1087
Delta R.T. 0.01 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

Tgt Ion:	42	Resp:	1708
Ion	Ratio	Lower	Upper
42	100		
72	38.8	29.8	44.6
71	0.0	25.9	38.9#

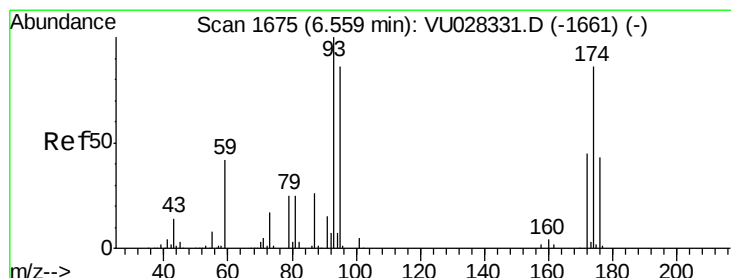
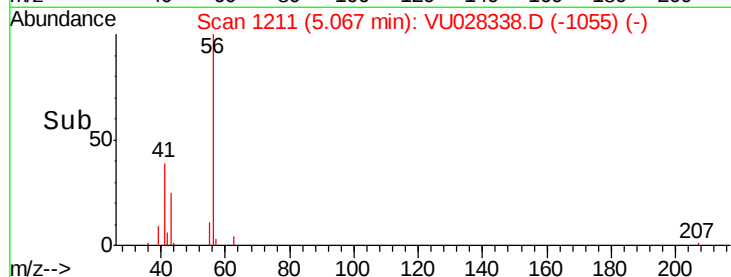
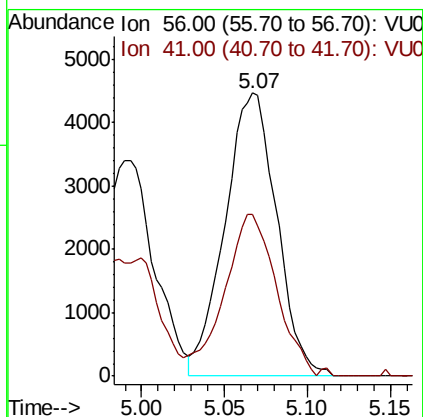
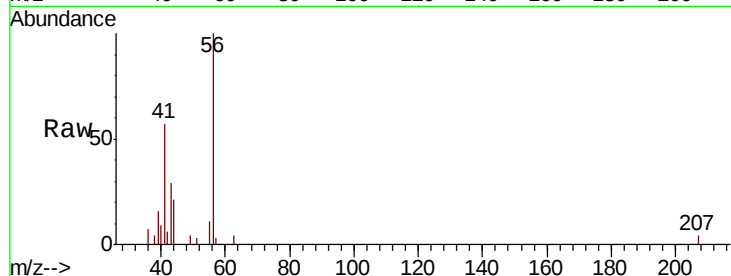




#42
1-Chlorobutane
Concen: 0.302 ug/l
RT: 5.07 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

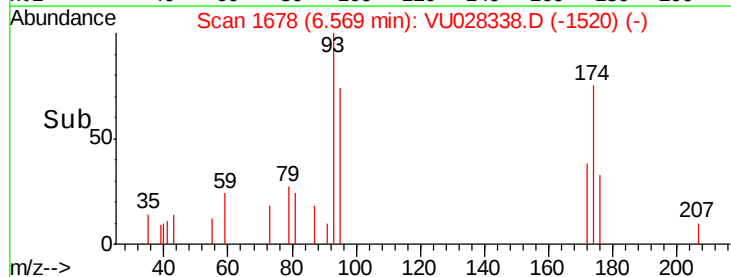
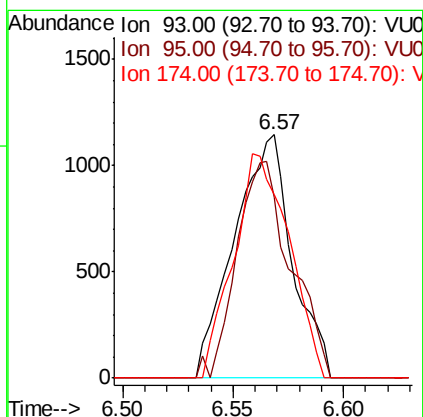
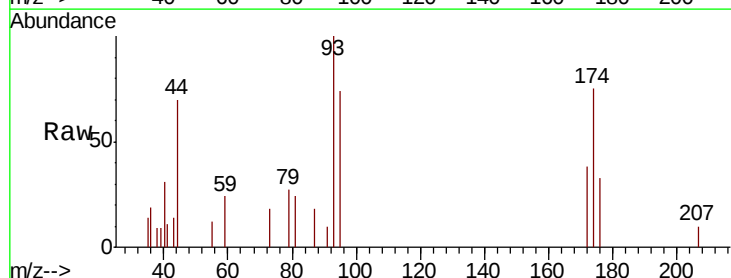
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

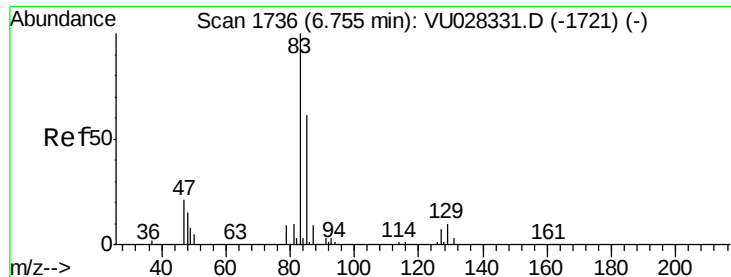
Tgt Ion: 56 Resp: 9718
Ion Ratio Lower Upper
56 100
41 56.8 29.8 89.3



#43
Dibromomethane
Concen: 0.287 ug/l
RT: 6.57 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

Tgt Ion: 93 Resp: 2077
Ion Ratio Lower Upper
93 100
95 83.9 66.6 99.8
174 88.9 69.4 104.2





#44

Bromodichloromethane

Concen: 0.308 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

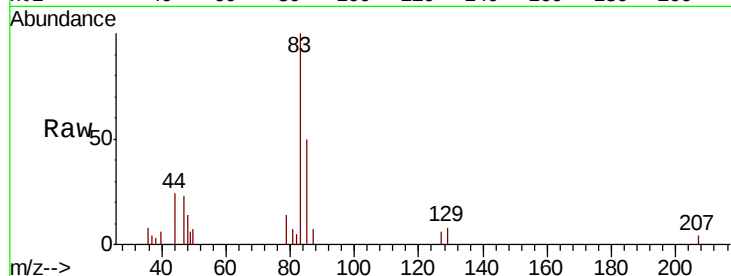
Tgt Ion: 83 Resp: 5895

Ion Ratio Lower Upper

83 100

85 50.2 49.0 73.6

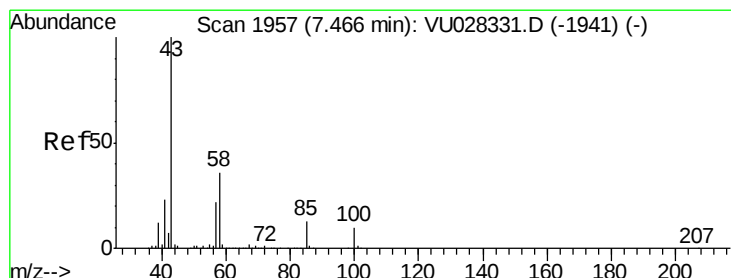
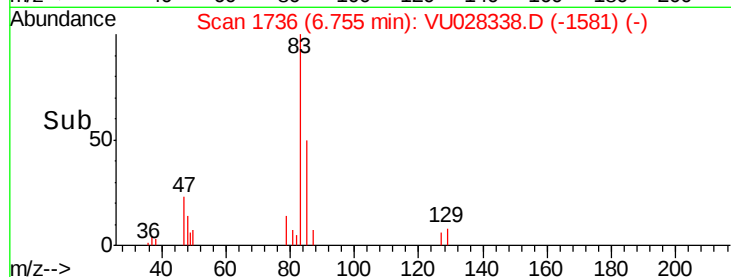
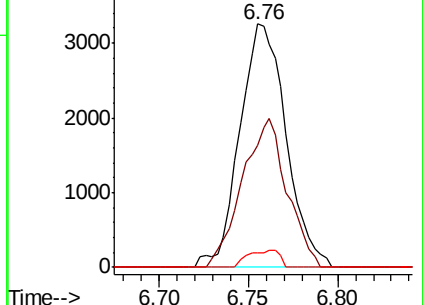
127 6.0 5.7 8.5



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: 1.333 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

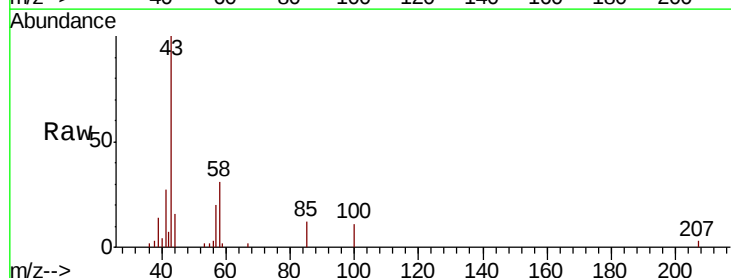
Tgt Ion: 43 Resp: 15509

Ion Ratio Lower Upper

43 100

58 33.6 17.9 53.7

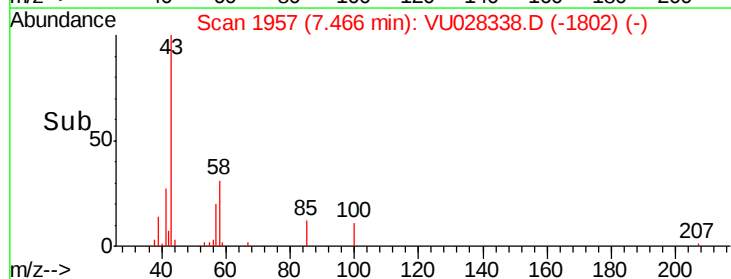
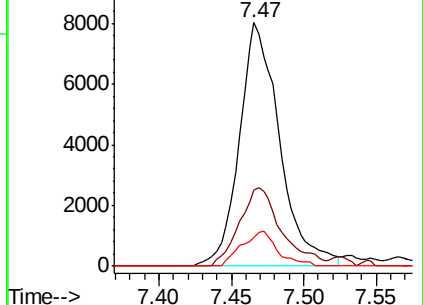
85 12.7 10.8 16.2

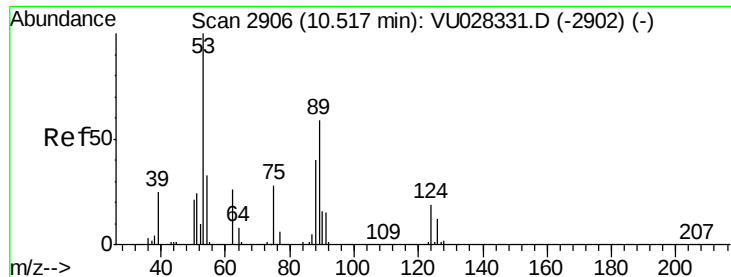


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

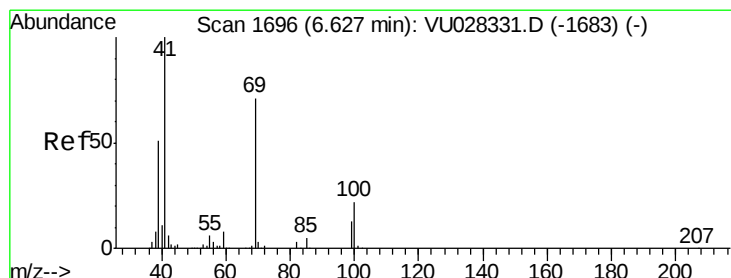
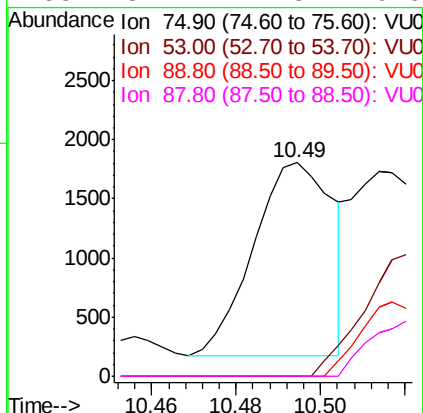
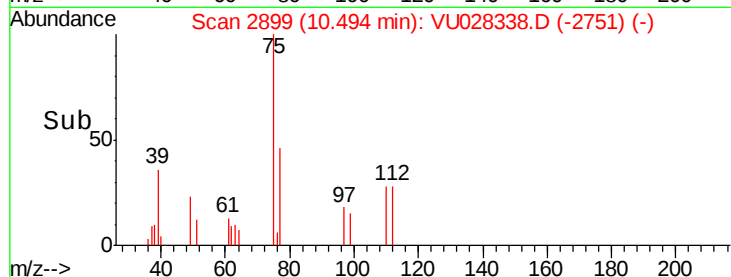
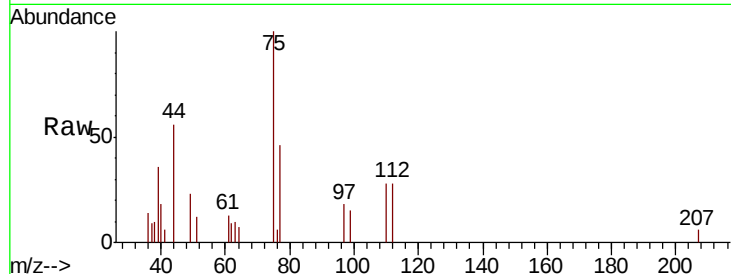




#46
t-1,4-Dichloro-2-butene
Concen: 0.502 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

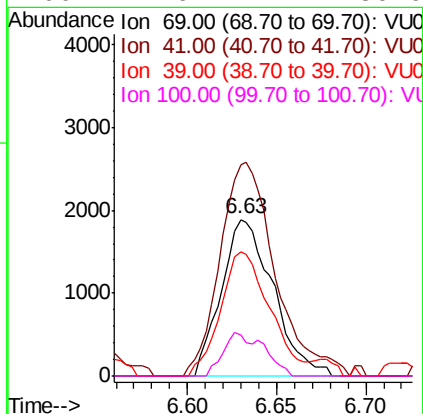
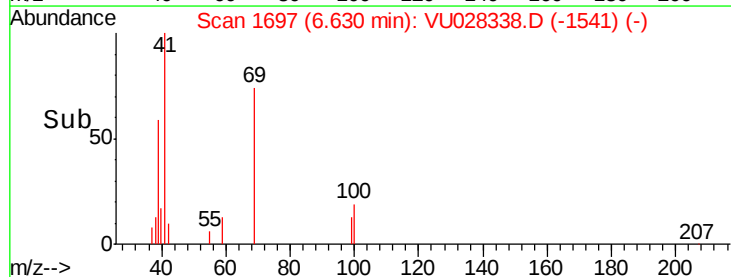
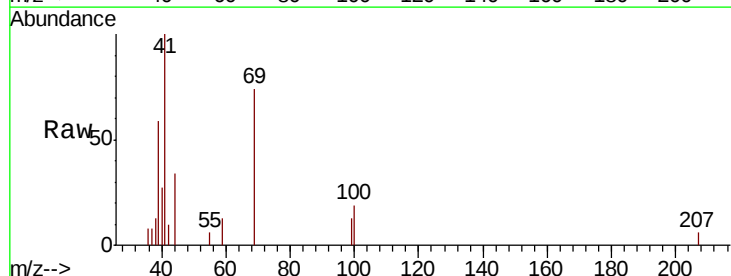
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

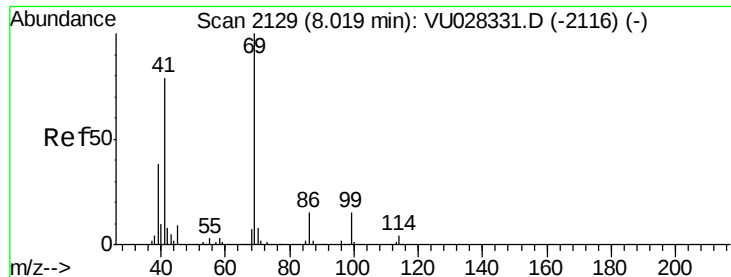
Tgt Ion:	75	Resp:	2135
Ion	Ratio	Lower	Upper
75	100		
53	80.8	65.0	97.6
89	40.7	38.6	58.0
88	31.1	27.3	40.9



#47
Methyl methacrylate
Concen: 0.515 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

Tgt Ion:	69	Resp:	3809
Ion	Ratio	Lower	Upper
69	100		
41	145.6	0.0	277.2
39	76.0	57.6	86.4
100	21.6	24.4	36.6#

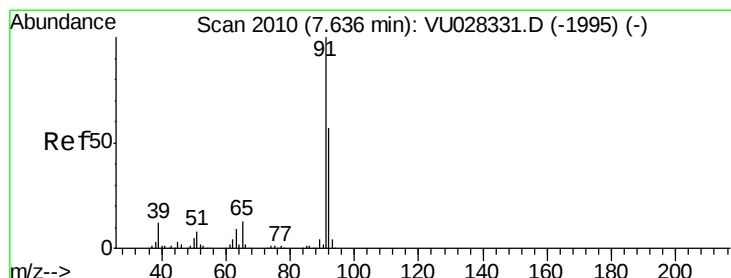
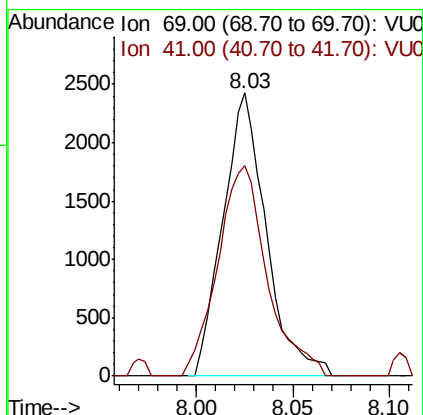
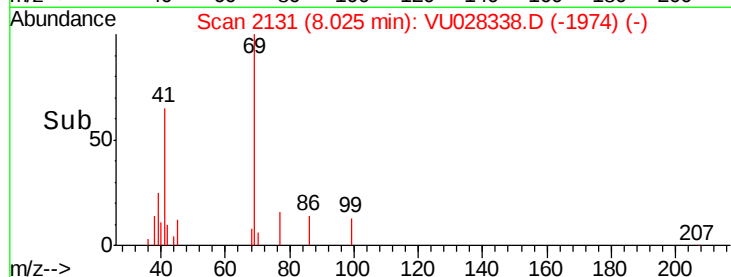
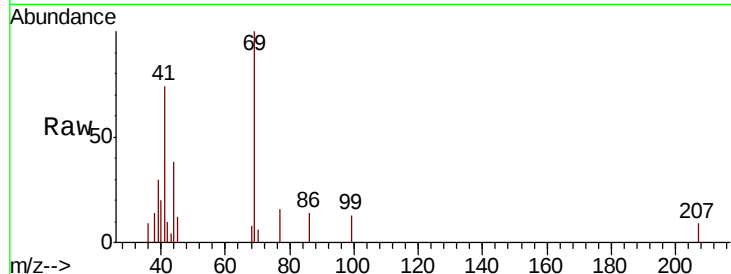




#48
Ethyl methacrylate
Concen: 0.256 ug/l
RT: 8.03 min Scan# 2131
Delta R.T. 0.01 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

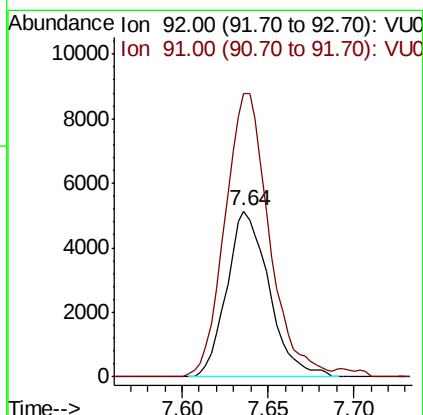
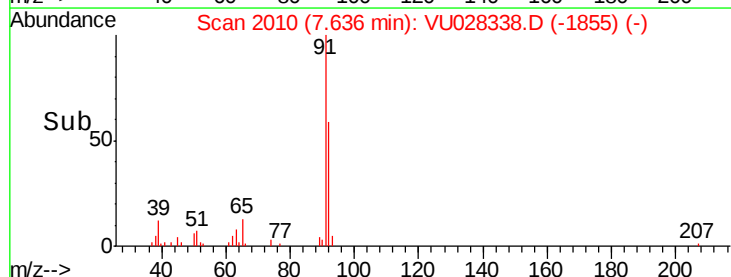
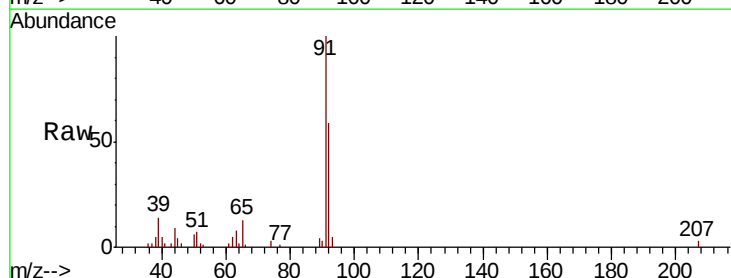
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

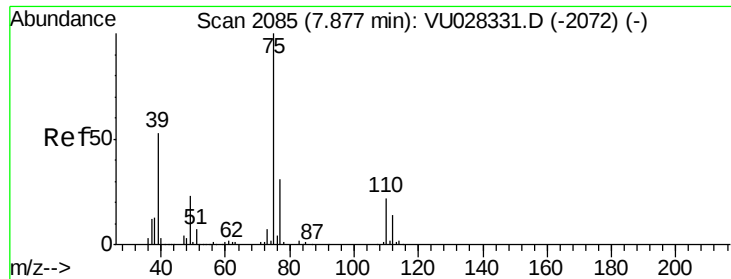
Tgt Ion: 69 Resp: 3780
Ion Ratio Lower Upper
69 100
41 84.5 39.4 118.2



#49
Toluene
Concen: 0.266 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

Tgt Ion: 92 Resp: 8802
Ion Ratio Lower Upper
92 100
91 179.1 141.5 212.3

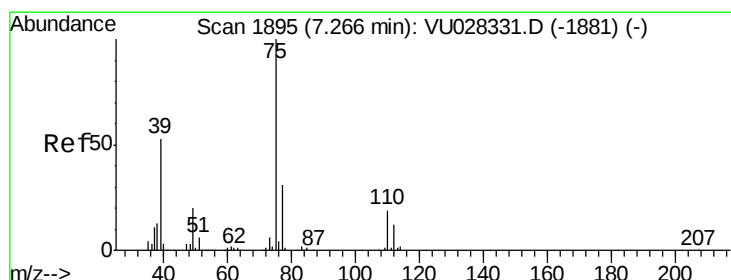
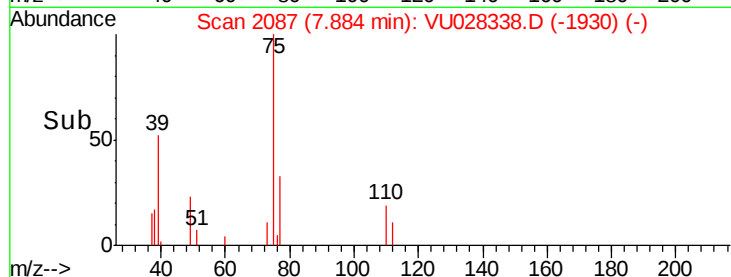
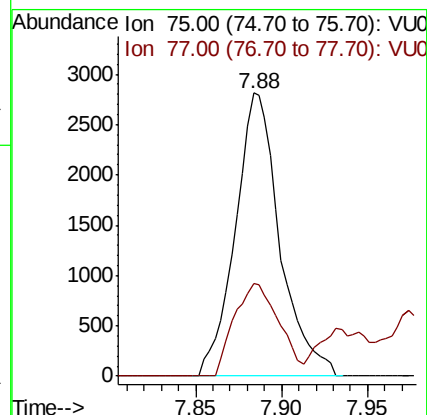
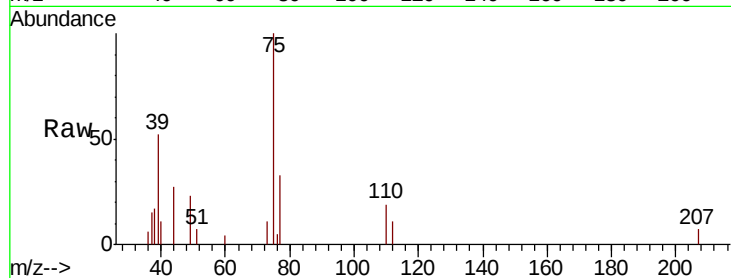




#50
t-1,3-Dichloropropene
Concen: 0.277 ug/l
RT: 7.88 min Scan# 2087
Delta R.T. 0.01 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

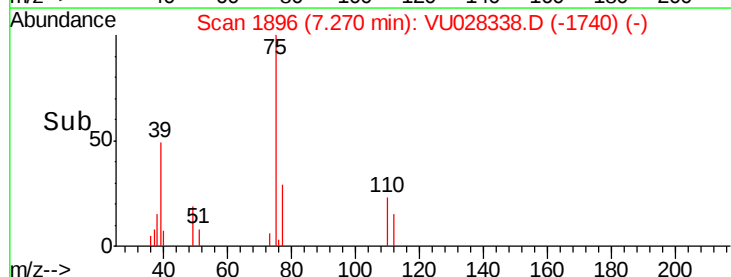
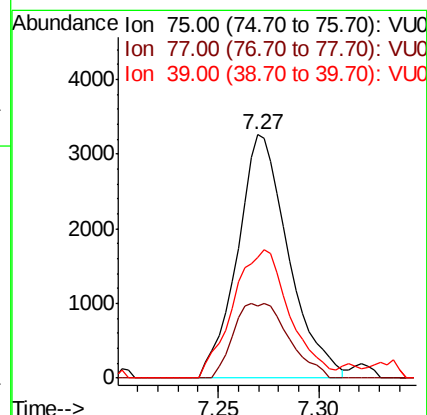
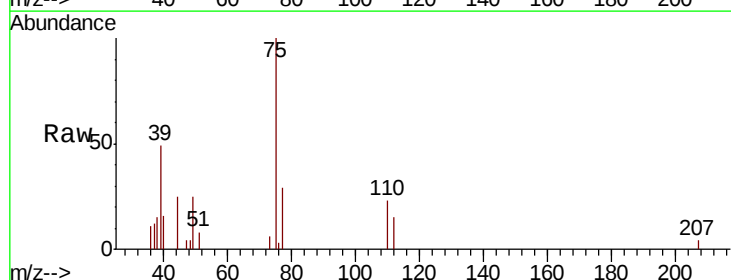
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

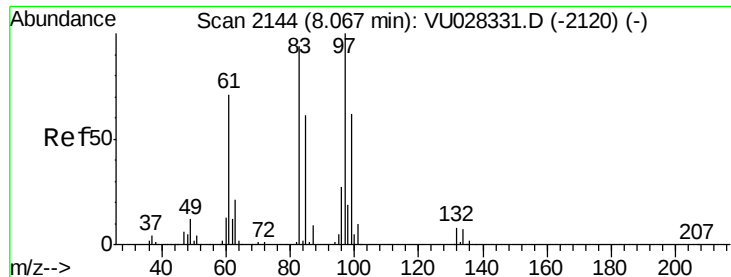
Tgt Ion: 75 Resp: 5083
Ion Ratio Lower Upper
75 100
77 32.7 24.7 37.1



#51
cis-1,3-Dichloropropene
Concen: 0.255 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

Tgt Ion: 75 Resp: 5774
Ion Ratio Lower Upper
75 100
77 29.5 24.4 36.6
39 49.5 42.8 64.2

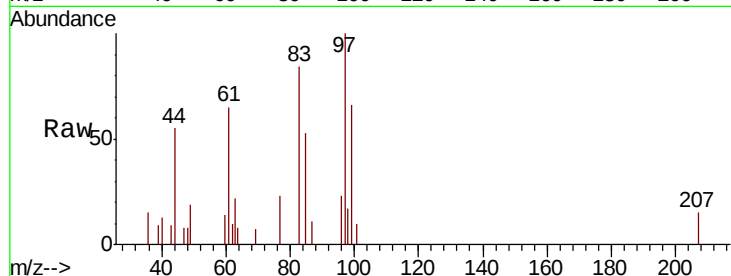




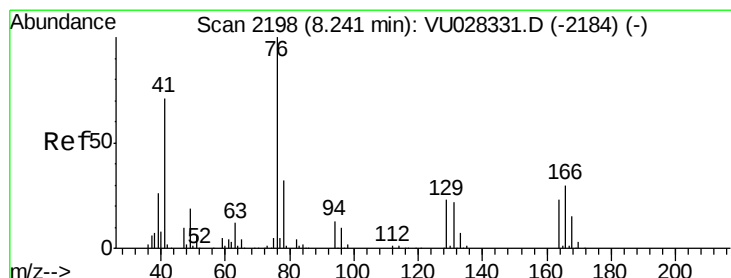
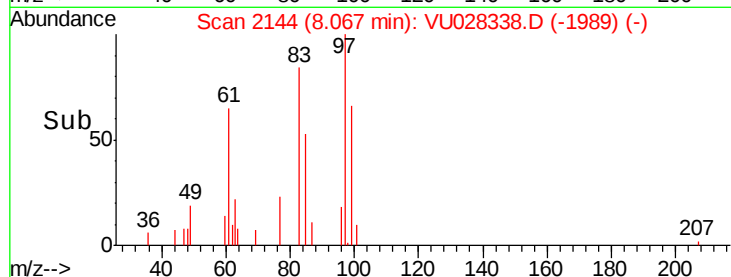
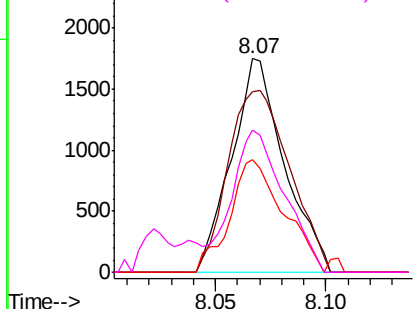
#52
 1,1,2-Trichloroethane
 Concen: 0.286 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tgt Ion:	97	Resp:	2913
Ion	Ratio	Lower	Upper
97	100		
83	84.4	75.1	112.7
85	52.8	48.7	73.1
99	66.4	49.6	74.4

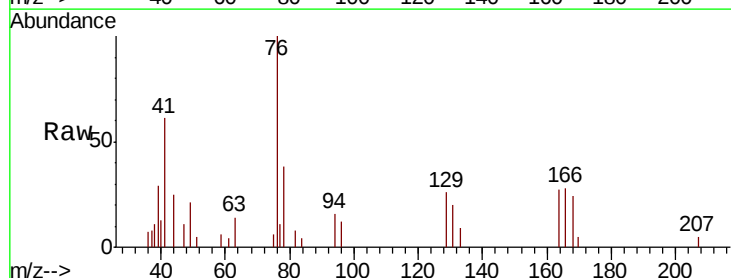


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0

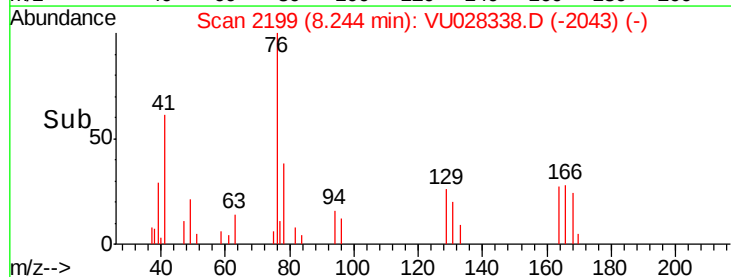
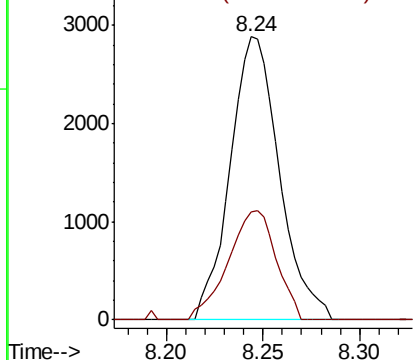


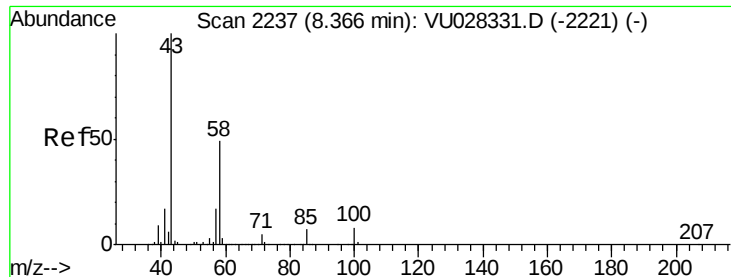
#53
 1,3-Dichloropropane
 Concen: 0.269 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Tgt Ion:	76	Resp:	5101
Ion	Ratio	Lower	Upper
76	100		
78	37.7	25.4	38.0



Abundance Ion 76.00 (75.70 to 76.70): VU0
 Ion 78.00 (77.70 to 78.70): VU0





#54

2-Hexanone

Concen: 1.332 ug/l

RT: 8.37 min Scan# 2239

Delta R.T. 0.01 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

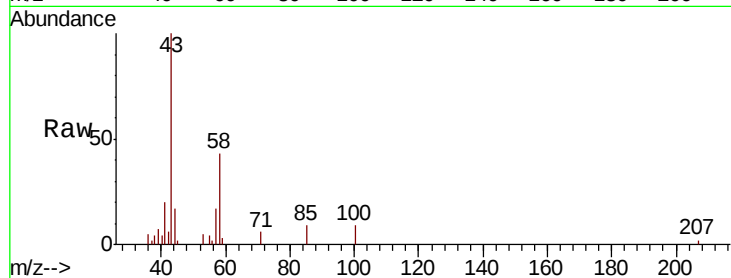
Tgt Ion: 43 Resp: 11151

Ion Ratio Lower Upper

43 100

58 41.1 29.3 69.3

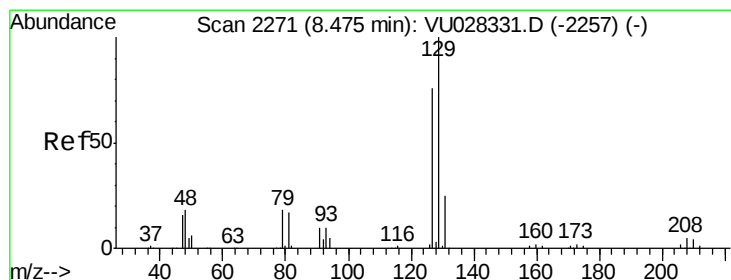
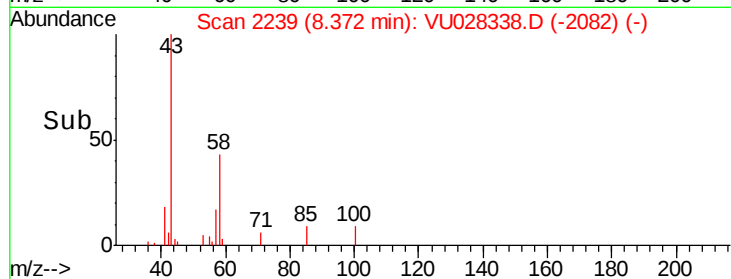
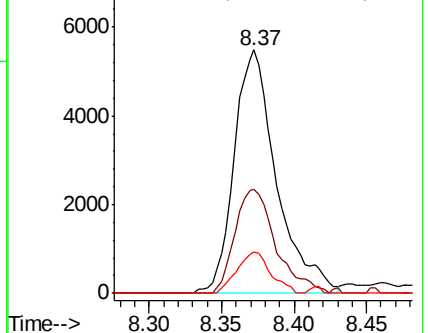
57 13.4 0.0 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#55

Dibromochloromethane

Concen: 0.292 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU028338.D

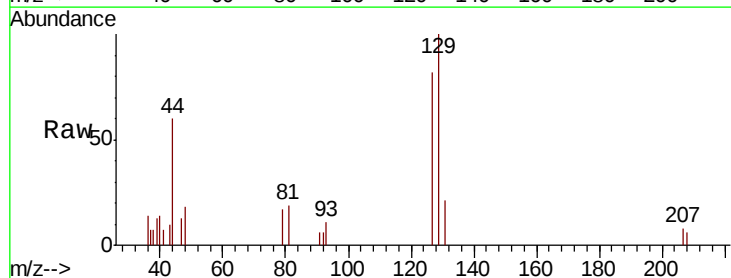
Acq: 26 Nov 2018 14:57

Tgt Ion: 129 Resp: 3158

Ion Ratio Lower Upper

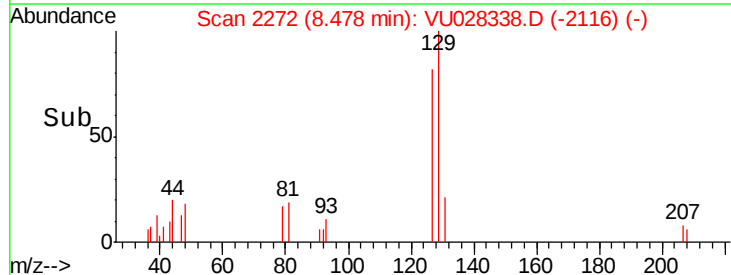
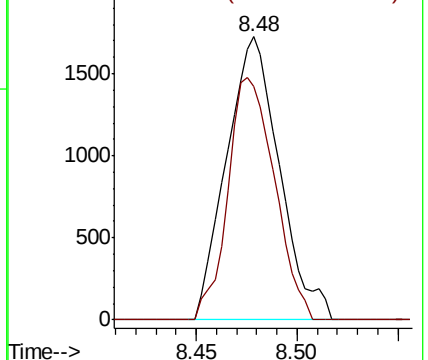
129 100

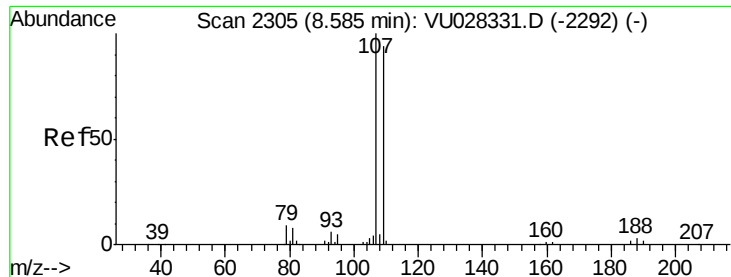
127 75.9 61.0 91.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

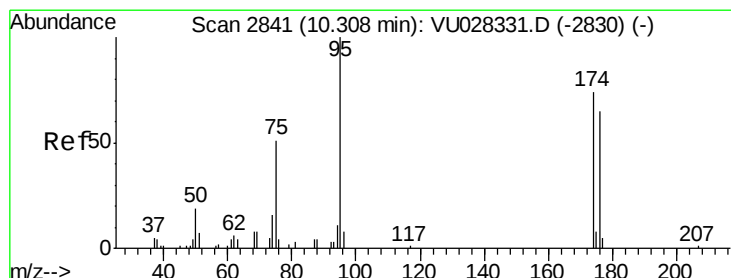
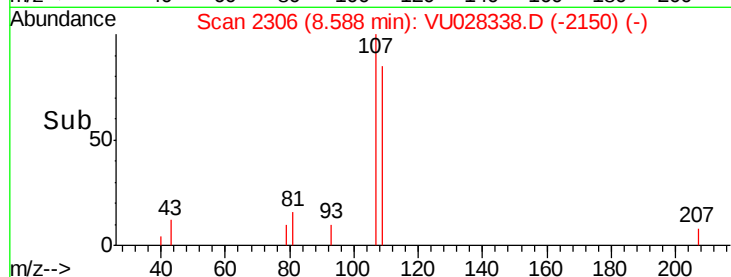
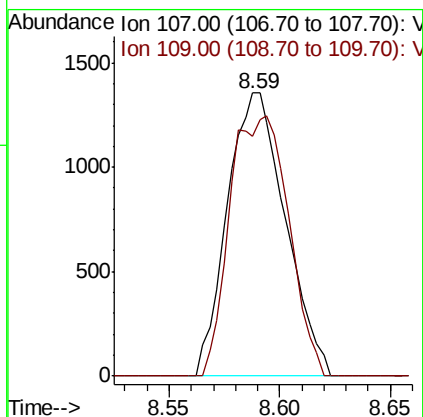
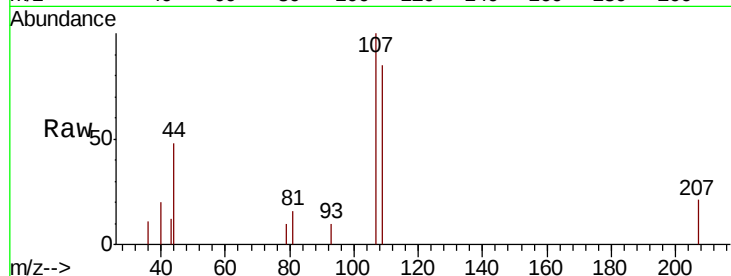




#56
 1,2-Dibromoethane
 Concen: 0.267 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

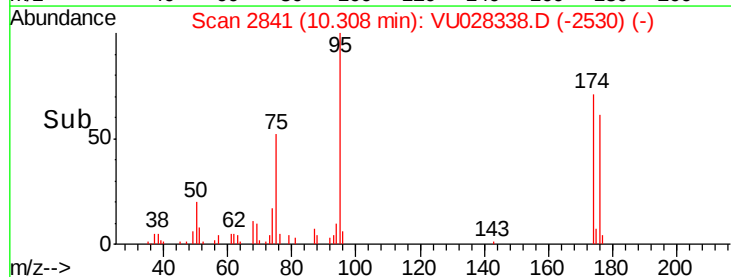
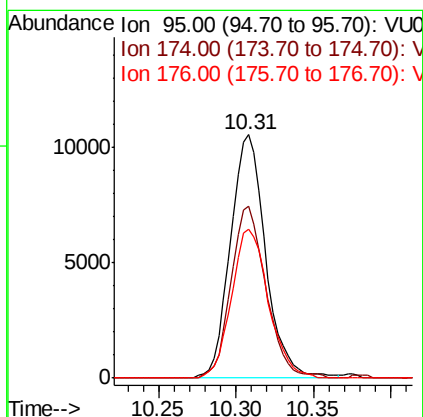
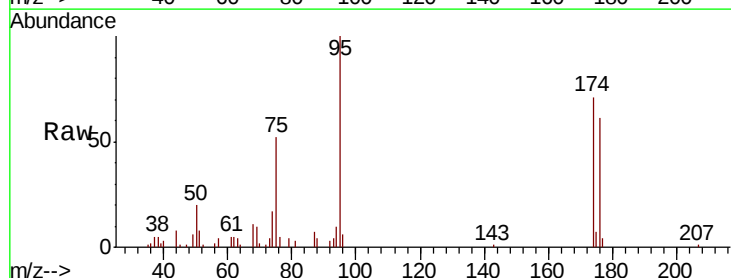
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

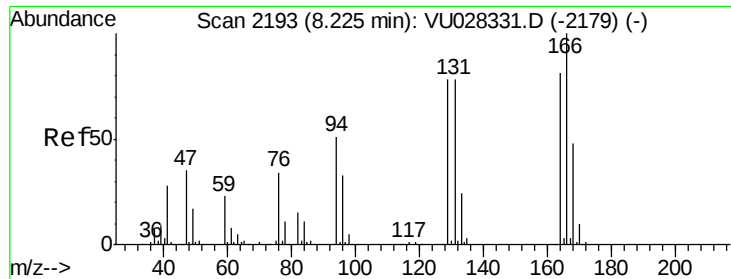
Tgt Ion: 107 Resp: 2470
 Ion Ratio Lower Upper
 107 100
 109 93.0 0.0 187.8



#57
 4-Bromofluorobenzene
 Concen: 0.267 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Tgt Ion: 95 Resp: 16619
 Ion Ratio Lower Upper
 95 100
 174 70.2 59.3 88.9
 176 64.3 54.3 81.5

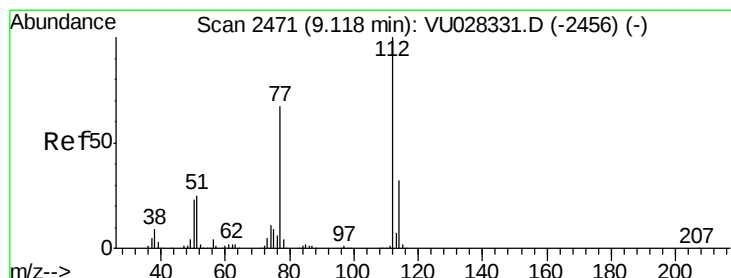
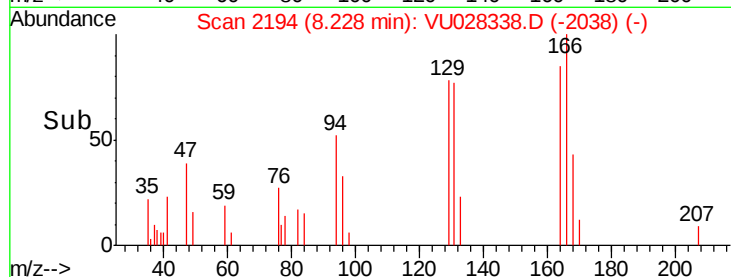
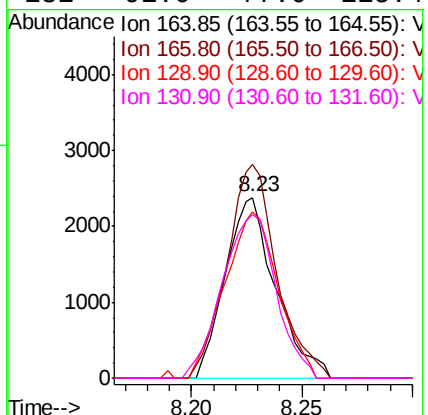
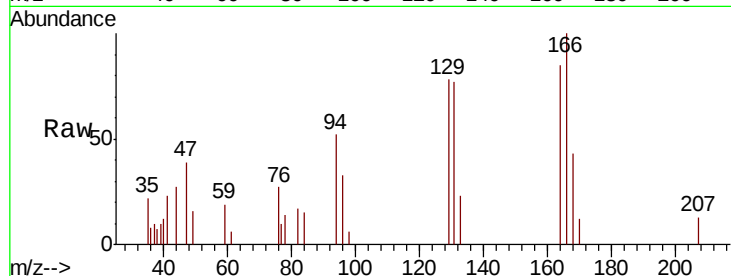




#58
 Tetrachloroethene
 Concen: 0.317 ug/l
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

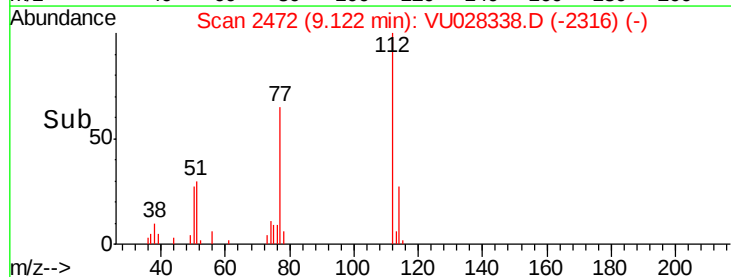
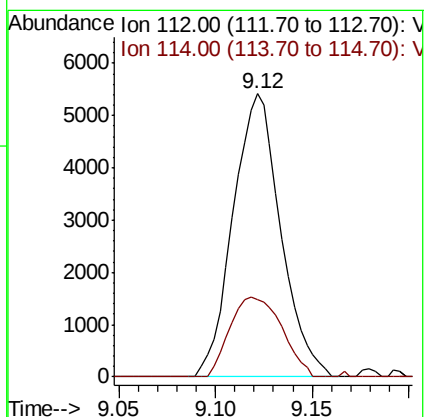
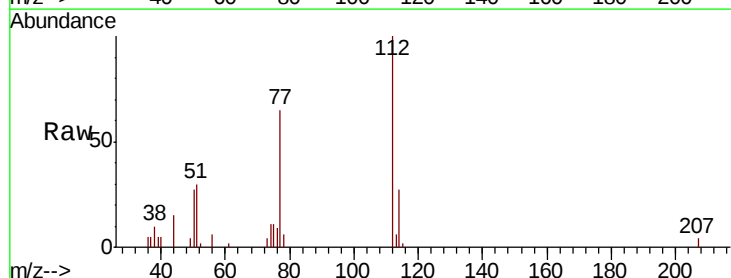
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

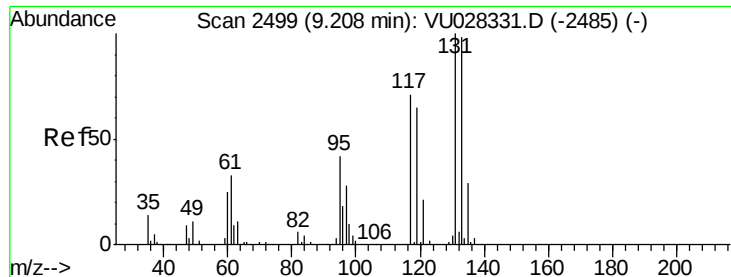
Tgt Ion:	164	Resp:	3775
Ion	Ratio	Lower	Upper
164	100		
166	118.2	98.6	148.0
129	92.4	77.0	115.4
131	91.0	77.0	115.4



#59
 Chlorobenzene
 Concen: 0.269 ug/l
 RT: 9.12 min Scan# 2472
 Delta R.T. 0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Tgt Ion:	112	Resp:	9279
Ion	Ratio	Lower	Upper
112	100		
114	27.5	25.2	37.8

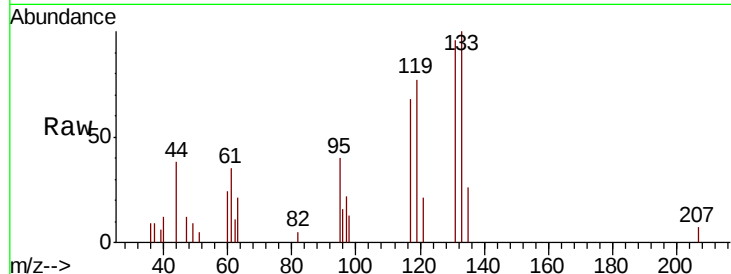




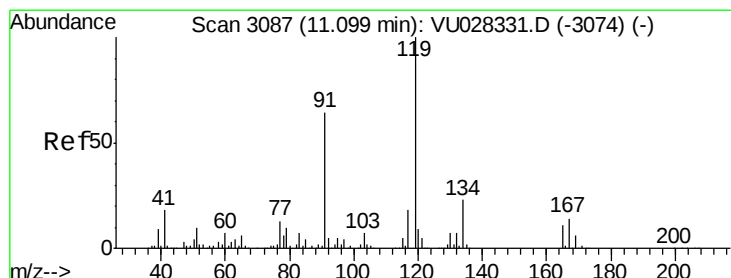
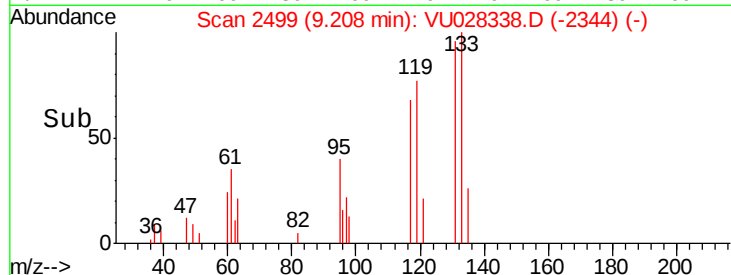
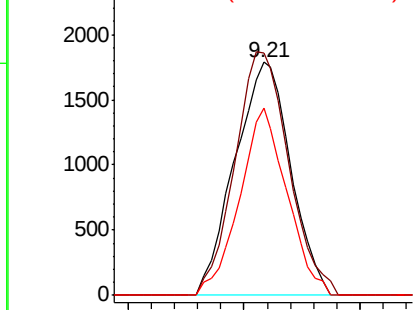
#60
 1,1,1,2-Tetrachloroethane
 Concen: 0.256 ug/l
 RT: 9.21 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tgt Ion:131 Resp: 2991
 Ion Ratio Lower Upper
 131 100
 133 100.8 77.7 116.5
 119 68.2 54.3 81.5

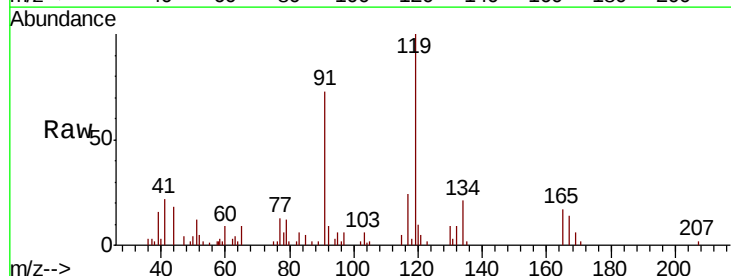


Abundance Ion 131.00 (130.70 to 131.70): V
 2500 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V

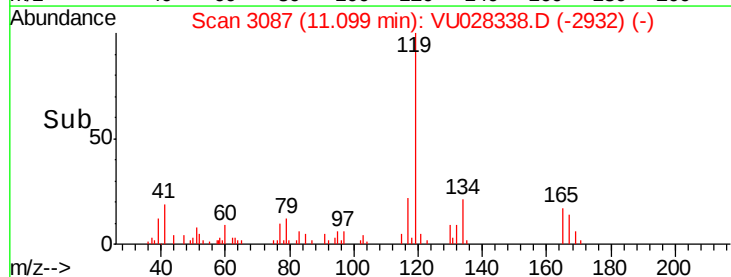
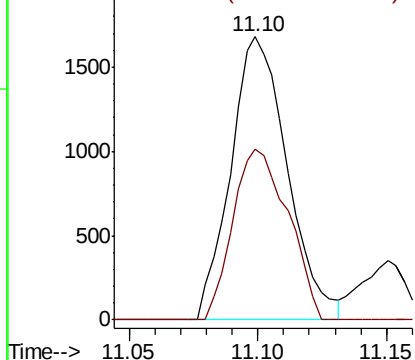


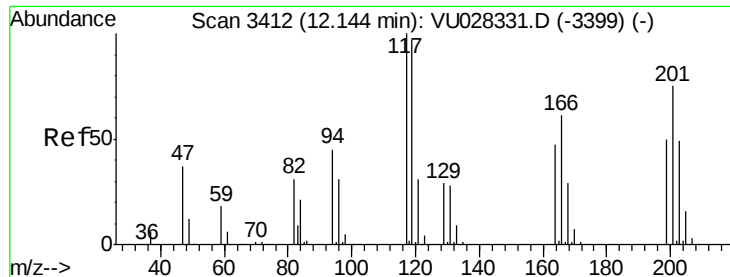
#61
 Pentachloroethane
 Concen: 0.283 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Tgt Ion:117 Resp: 2576
 Ion Ratio Lower Upper
 117 100
 167 58.8 64.2 96.2#



Abundance Ion 116.80 (116.50 to 117.50): V
 2000 Ion 166.70 (166.40 to 167.40): V





#62

Hexachloroethane

Concen: 0.227 ug/l

RT: 12.14 min Scan# 3410

Delta R.T. -0.01 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

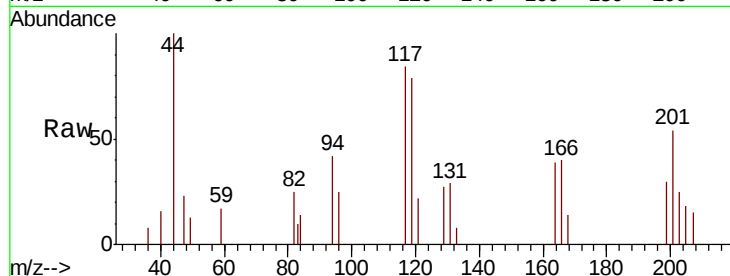
MDL-WATER-03-QT4-2018

Tgt Ion: 117 Resp: 1933

Ion Ratio Lower Upper

117 100

201 72.3 59.4 89.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

12.14

1200

1000

800

600

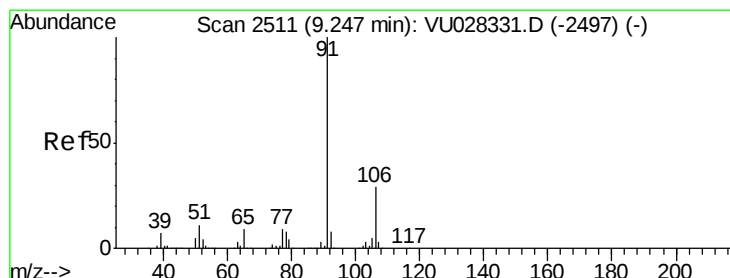
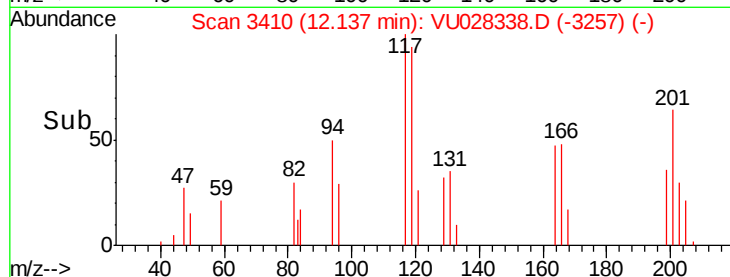
400

200

0

Time-->

12.10 12.15



#63

Ethyl Benzene

Concen: 0.272 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028338.D

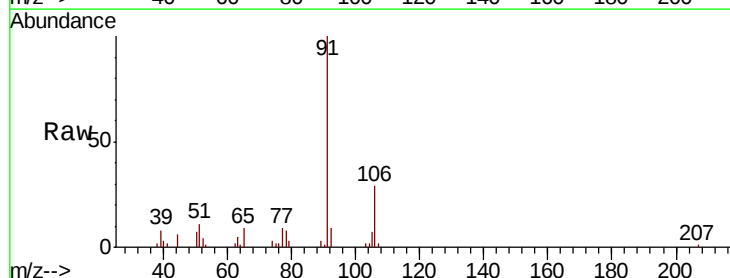
Acq: 26 Nov 2018 14:57

Tgt Ion: 91 Resp: 17308

Ion Ratio Lower Upper

91 100

106 29.2 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

9.25

15000

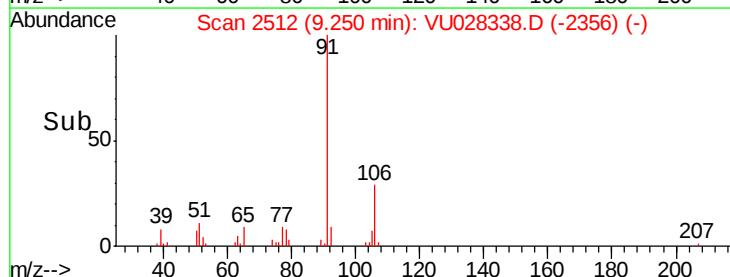
10000

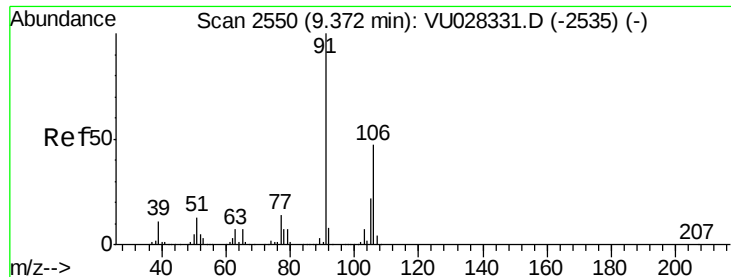
5000

0

Time-->

9.20 9.25 9.30 9.35





#64

m/p-Xylenes

Concen: 0.523 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

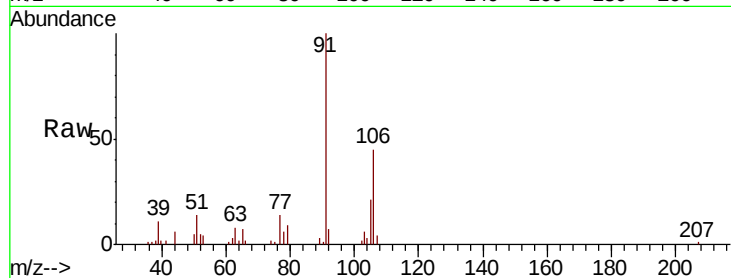
MDL-WATER-03-QT4-2018

Tgt Ion:106 Resp: 12042

Ion Ratio Lower Upper

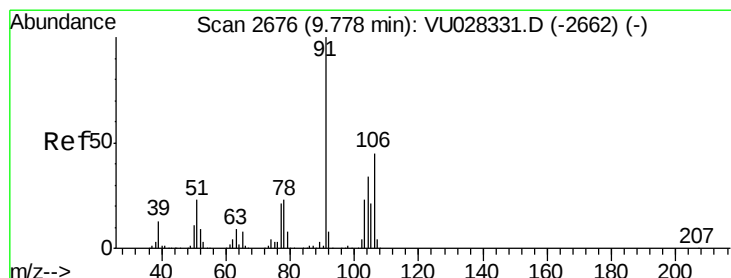
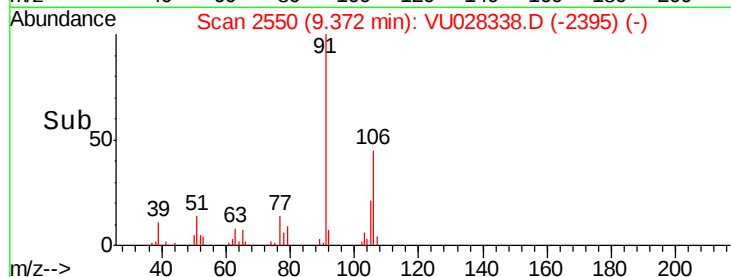
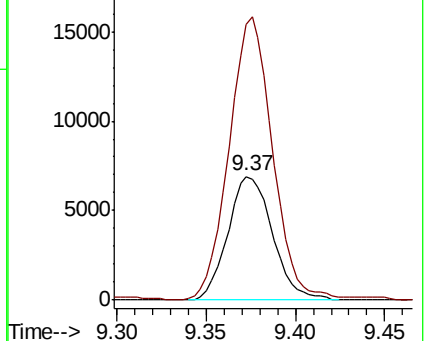
106 100

91 223.3 170.6 256.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 0.283 ug/l

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028338.D

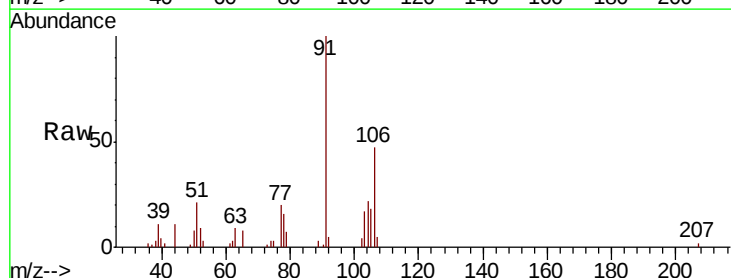
Acq: 26 Nov 2018 14:57

Tgt Ion:106 Resp: 6277

Ion Ratio Lower Upper

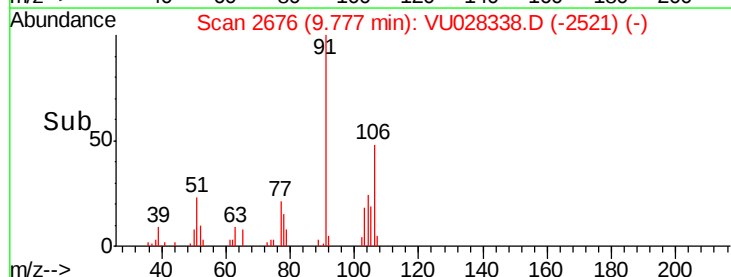
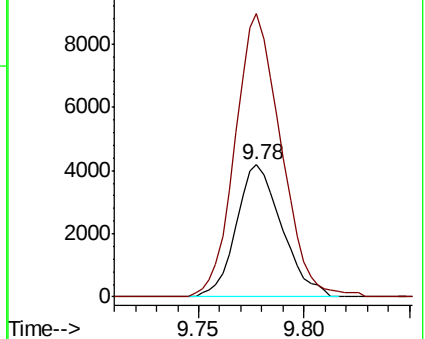
106 100

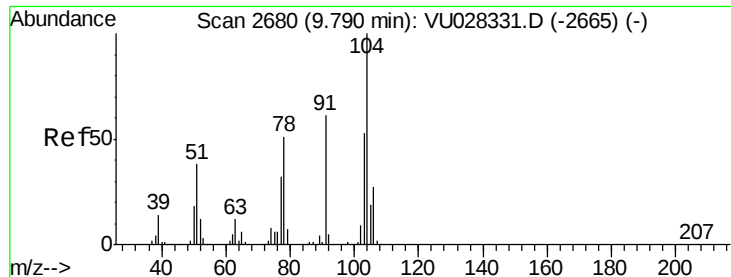
91 216.3 112.3 337.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

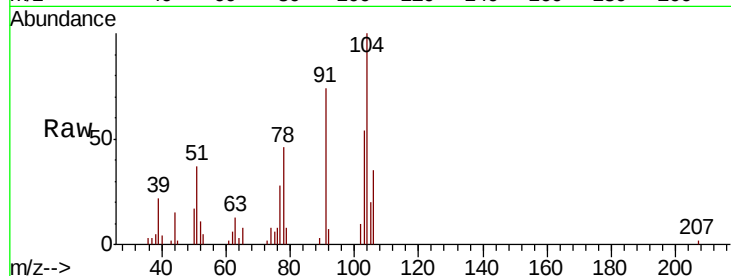




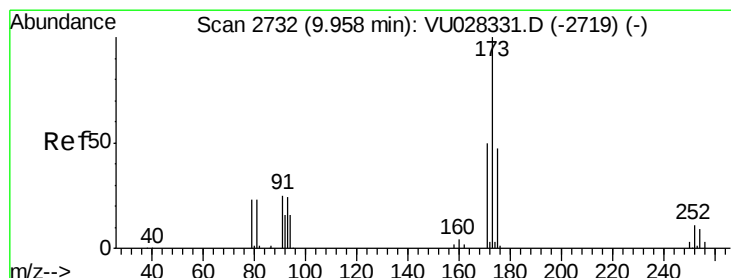
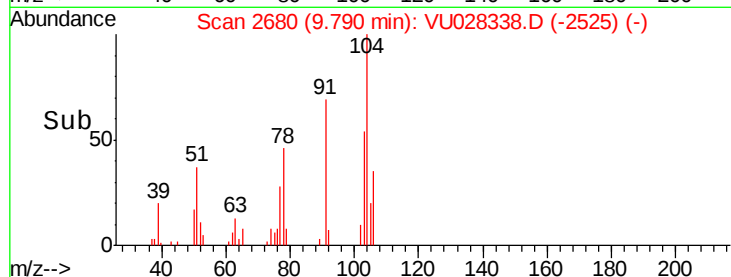
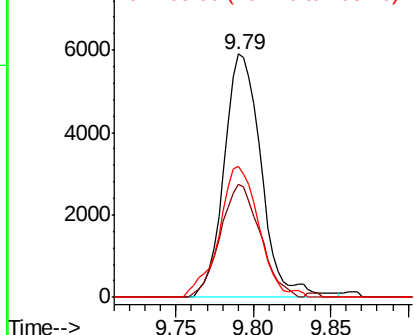
#66
Styrene
Concen: 0.258 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:104 Resp: 9848
Ion Ratio Lower Upper
104 100
78 49.7 44.0 66.0
103 56.7 45.2 67.8

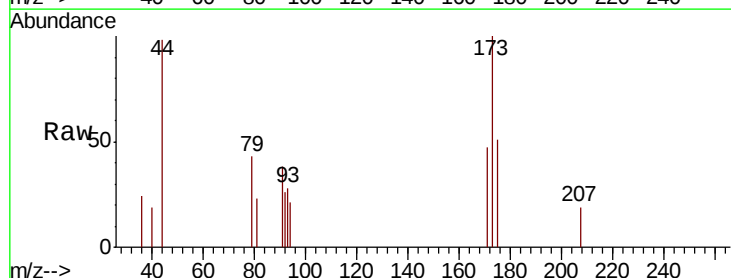


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

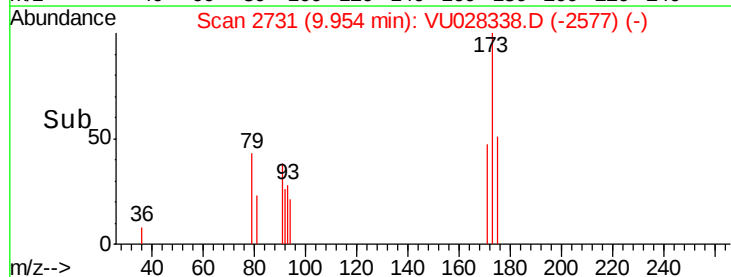
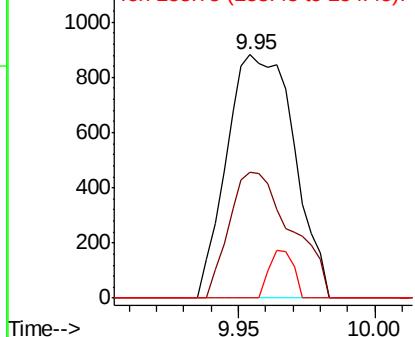


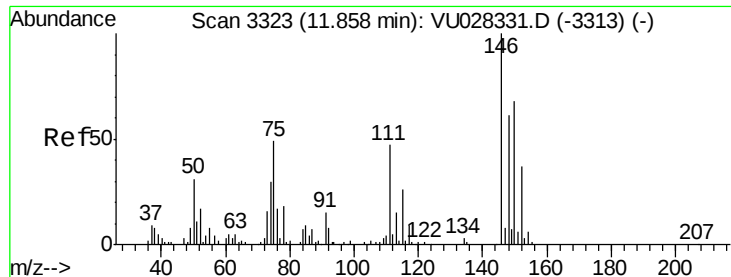
#67
Bromoform
Concen: 0.250 ug/l
RT: 9.95 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

Tgt Ion:173 Resp: 1515
Ion Ratio Lower Upper
173 100
175 47.7 39.0 58.6
254 7.1 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: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

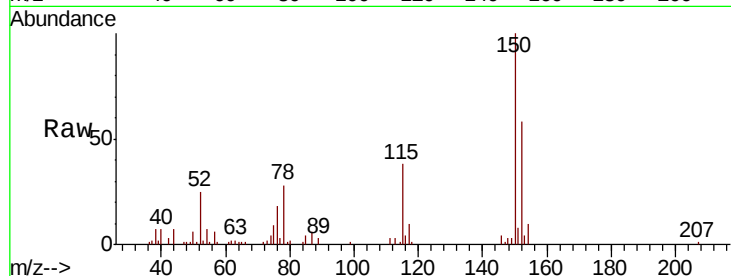
Tgt Ion:152 Resp: 14053

Ion Ratio Lower Upper

152 100

115 74.5 0.0 146.8

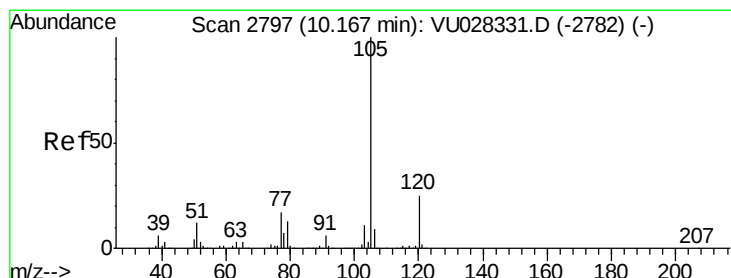
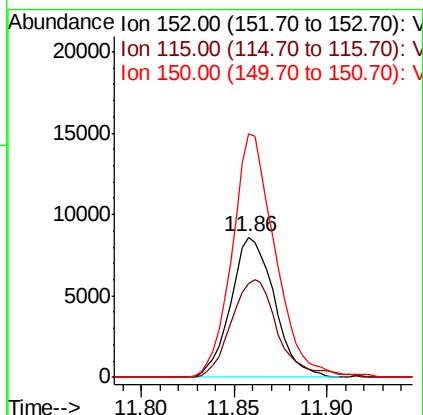
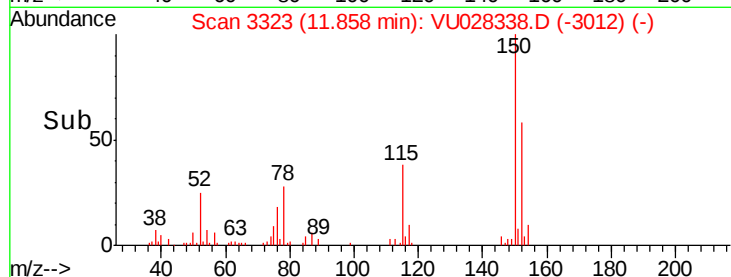
150 171.0 0.0 653.2



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: 0.261 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028338.D

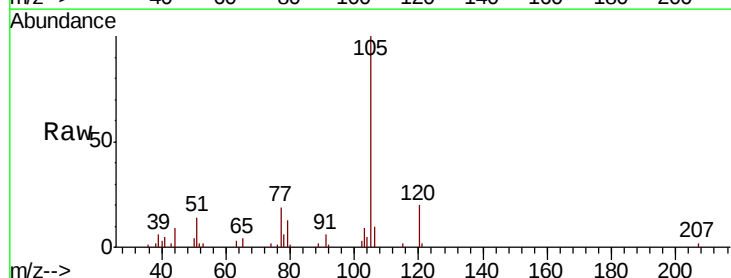
Acq: 26 Nov 2018 14:57

Tgt Ion:105 Resp: 15543

Ion Ratio Lower Upper

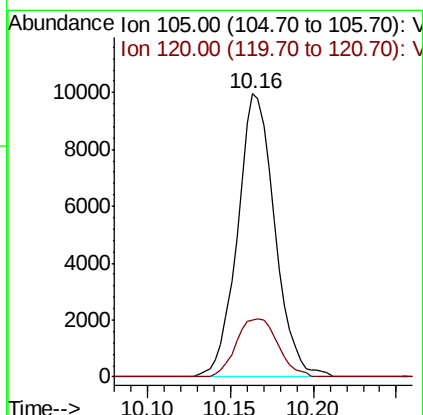
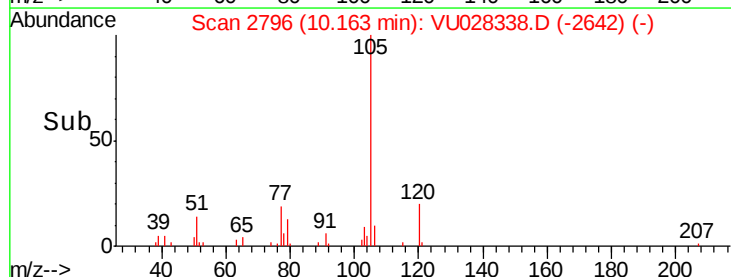
105 100

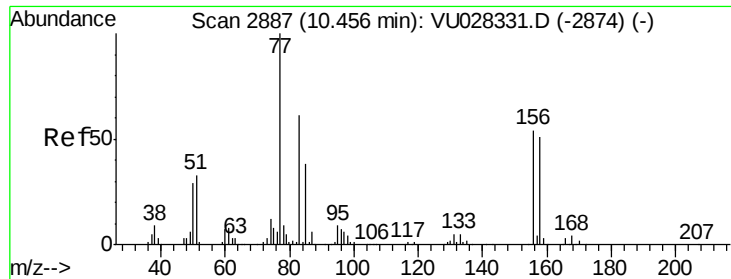
120 23.0 12.6 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#70

1,1,2,2-Tetrachloroethane

Concen: 0.277 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

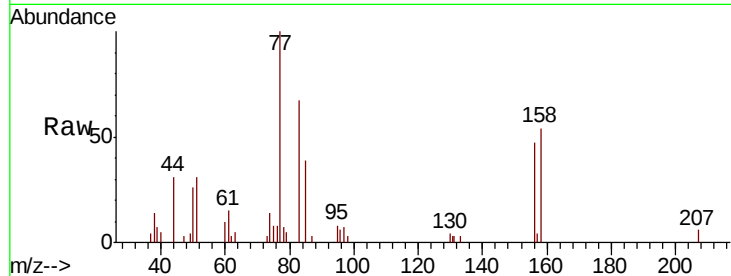
Tgt Ion: 83 Resp: 3778

Ion Ratio Lower Upper

83 100

131 2.7 6.6 9.8#

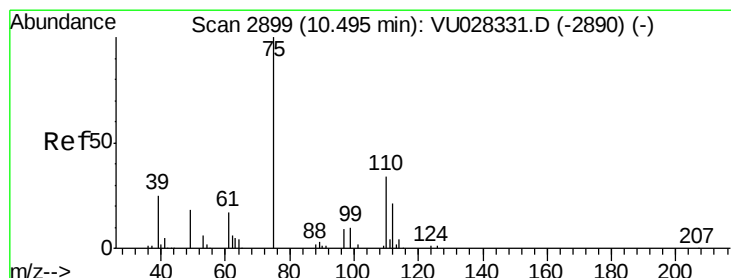
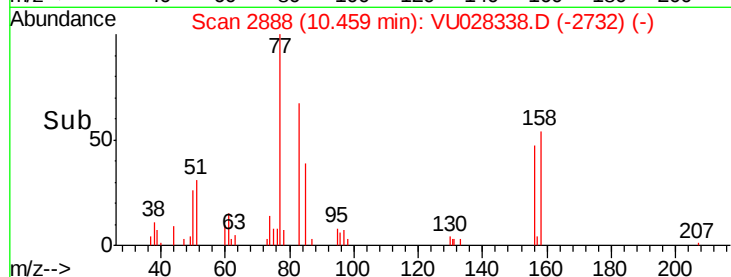
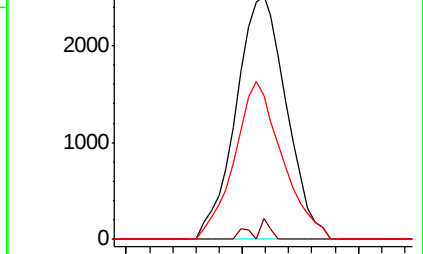
85 61.8 50.5 75.7



Abundance Ion 83.00 (82.70 to 83.70): VU028338.D (-2732) (-)

Ion 131.00 (130.70 to 131.70): VU028338.D (-2732) (-)

Ion 85.00 (84.70 to 85.70): VU028338.D (-2732) (-)



#71

1,2,3-Trichloropropane

Concen: 0.225 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Tgt Ion: 75 Resp: 2135

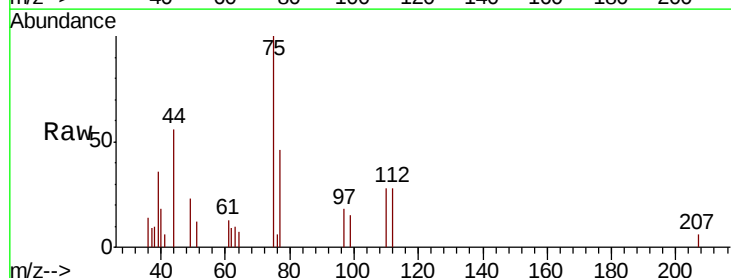
Ion Ratio Lower Upper

75 100

77 22.1 0.0 0.0#

110 35.4 0.0 67.6

97 26.4 0.0 35.8

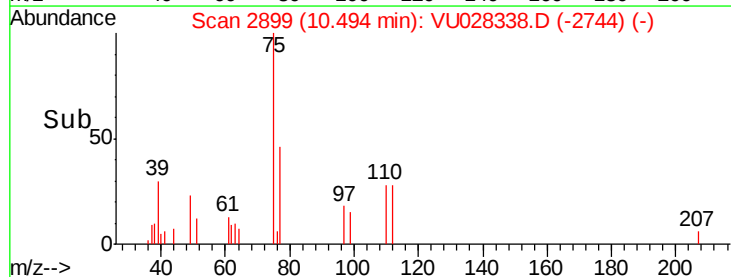
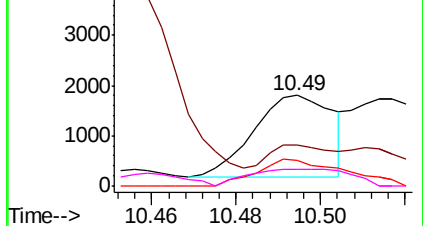


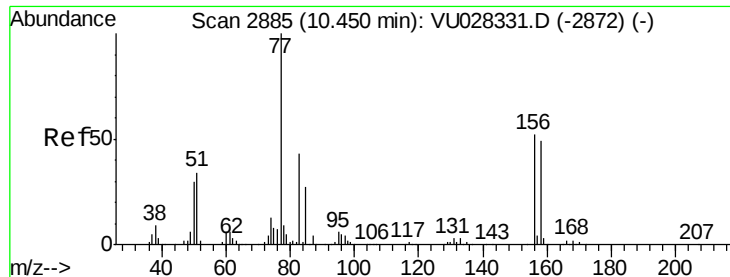
Abundance Ion 75.00 (74.70 to 75.70): VU028338.D (-2744) (-)

Ion 77.00 (76.70 to 77.70): VU028338.D (-2744) (-)

Ion 110.00 (109.70 to 110.70): VU028338.D (-2744) (-)

Ion 97.00 (96.70 to 97.70): VU028338.D (-2744) (-)





#72

Bromobenzene

Concen: 0.267 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

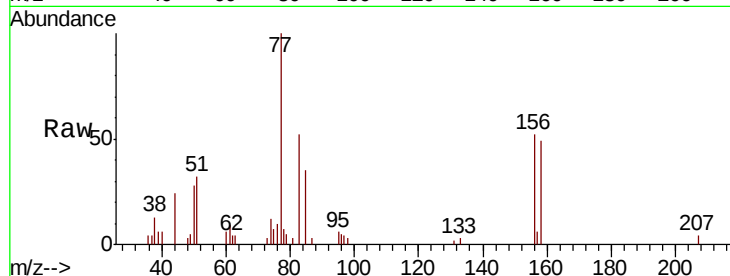
Tgt Ion:156 Resp: 3527

Ion Ratio Lower Upper

156 100

77 205.2 0.0 380.4

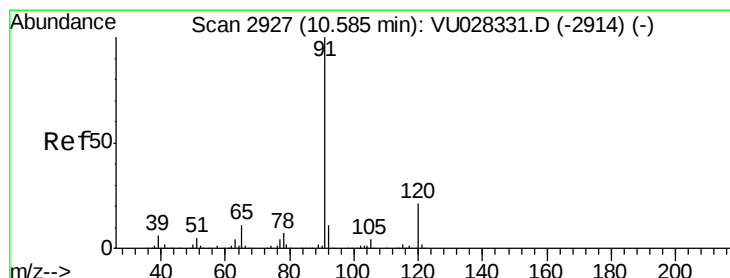
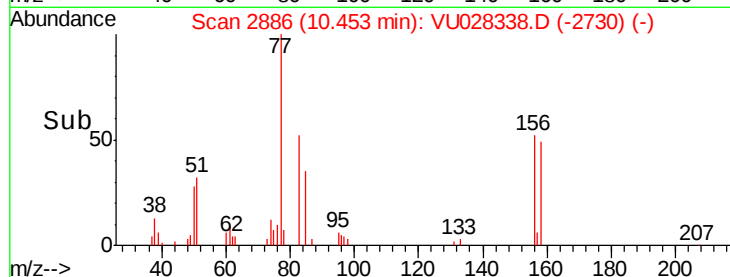
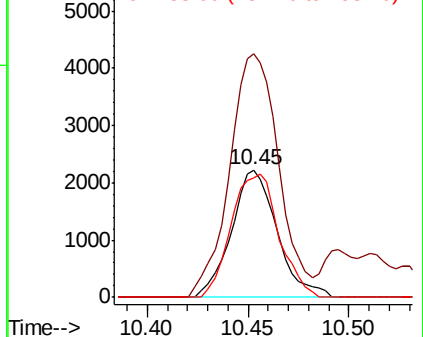
158 101.2 0.0 191.2



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: 0.280 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028338.D

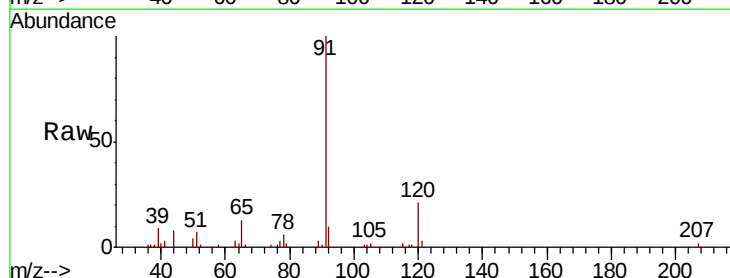
Acq: 26 Nov 2018 14:57

Tgt Ion:120 Resp: 4324

Ion Ratio Lower Upper

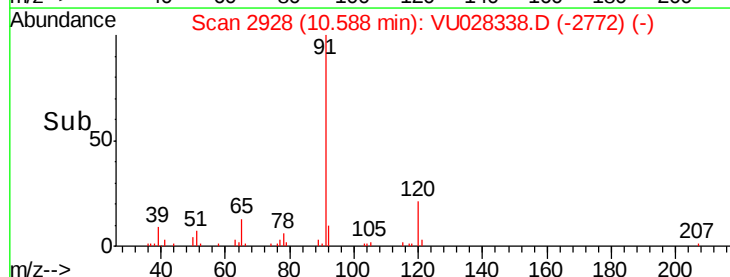
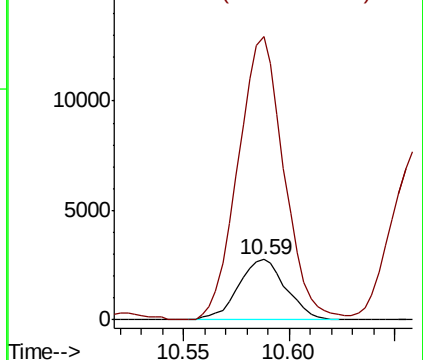
120 100

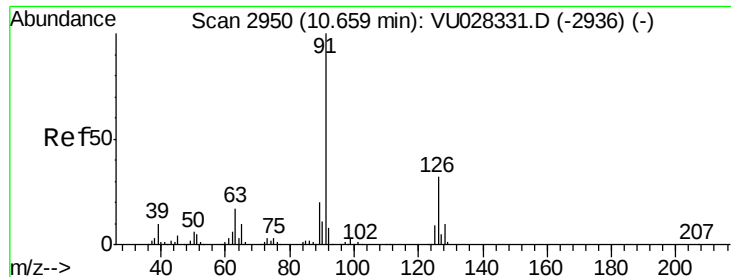
91 452.9 388.1 582.1



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0





#74

2-Chlorotoluene

Concen: 0.302 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

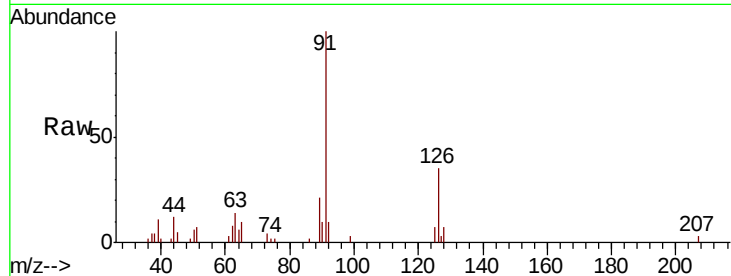
MDL-WATER-03-QT4-2018

Tgt Ion:126 Resp: 4080

Ion Ratio Lower Upper

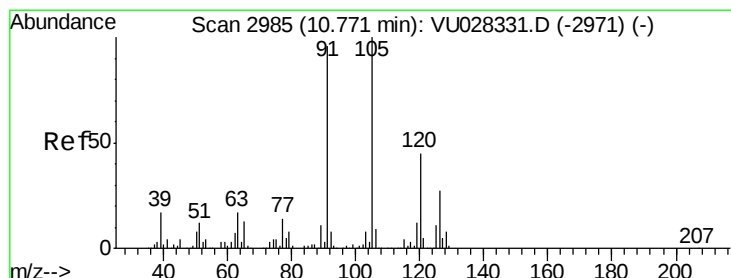
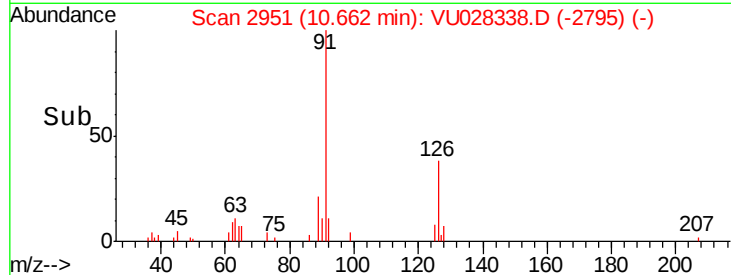
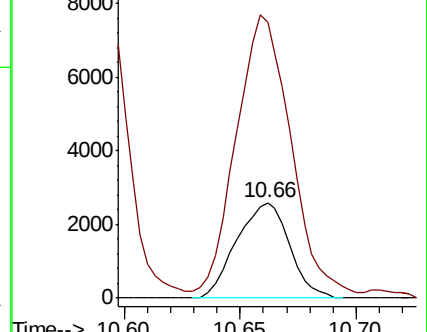
126 100

91 299.6 0.0 661.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#75

1,3,5-Trimethylbenzene

Concen: 0.249 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028338.D

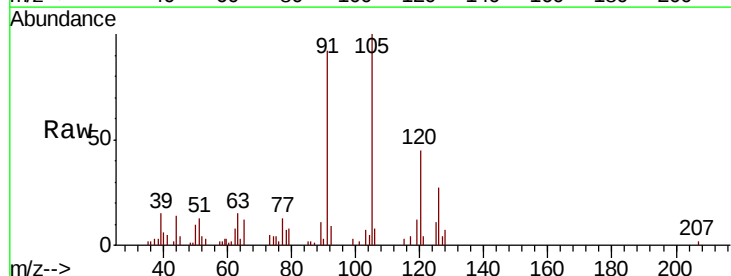
Acq: 26 Nov 2018 14:57

Tgt Ion:105 Resp: 12475

Ion Ratio Lower Upper

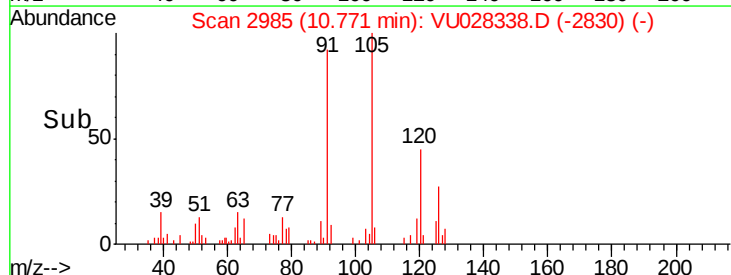
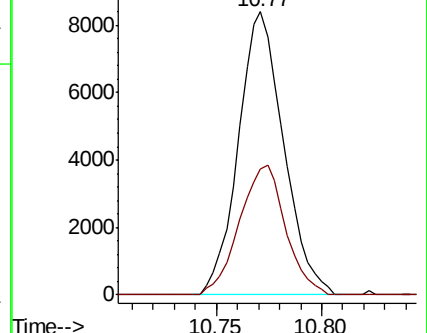
105 100

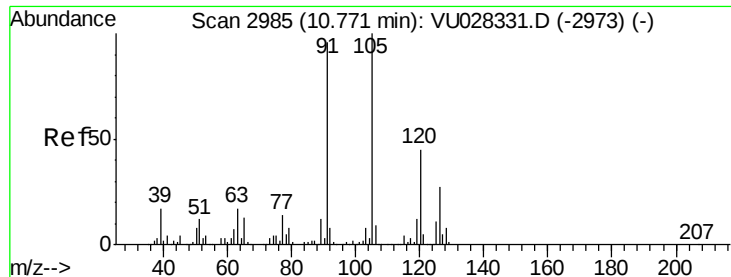
120 46.9 36.3 54.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

4-Chlorotoluene

Concen: 0.265 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

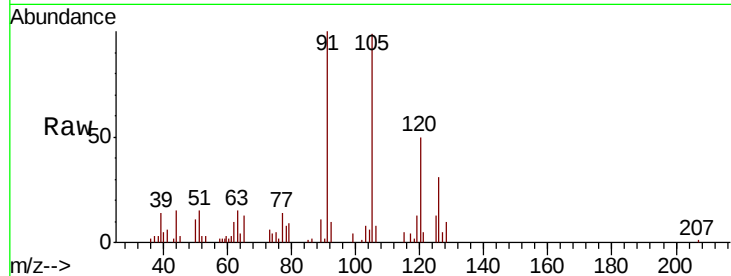
MDL-WATER-03-QT4-2018

Tgt Ion:126 Resp: 3630

Ion Ratio Lower Upper

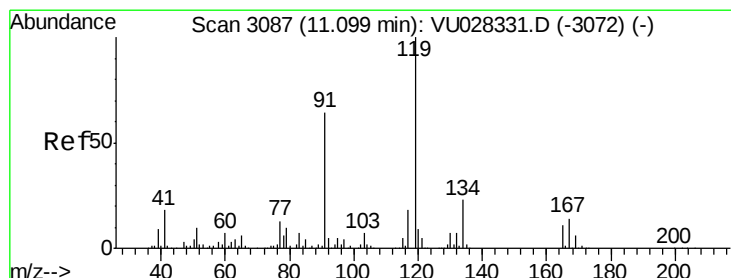
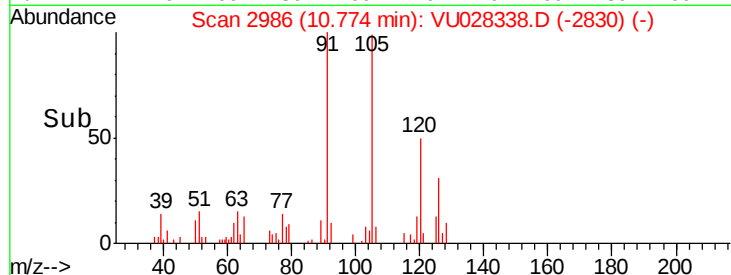
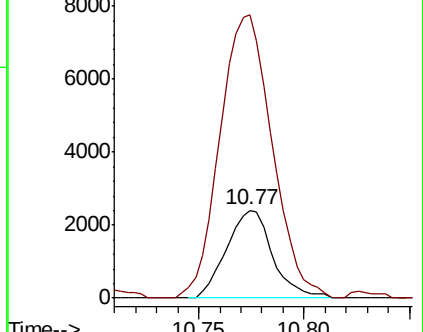
126 100

91 366.7 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: 0.248 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

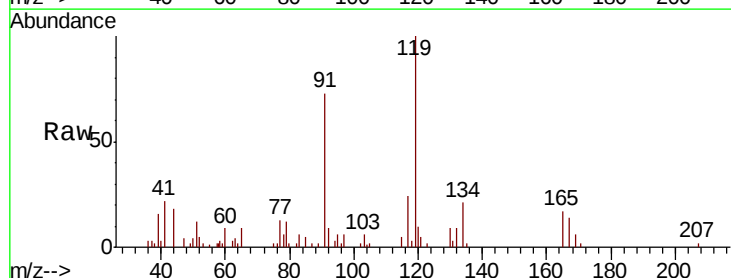
Tgt Ion:119 Resp: 11694

Ion Ratio Lower Upper

119 100

91 69.9 32.0 96.0

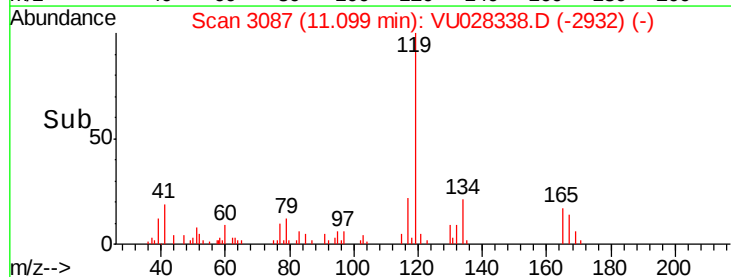
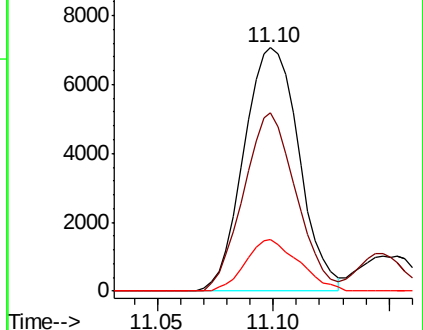
134 20.6 17.9 26.9

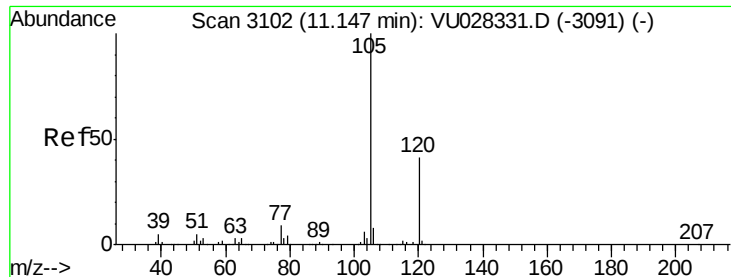


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V





#78

1,2,4-Trimethylbenzene

Concen: 0.253 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

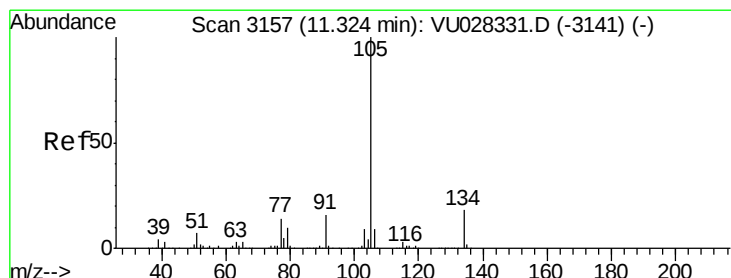
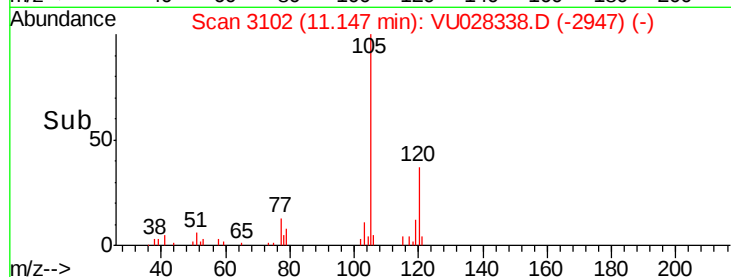
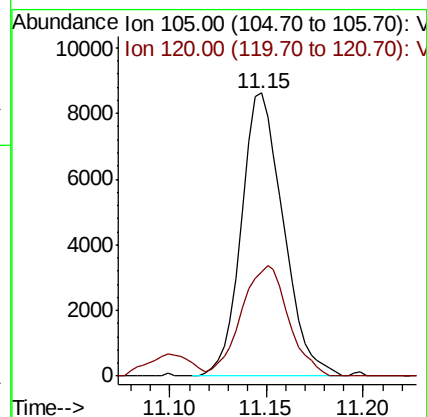
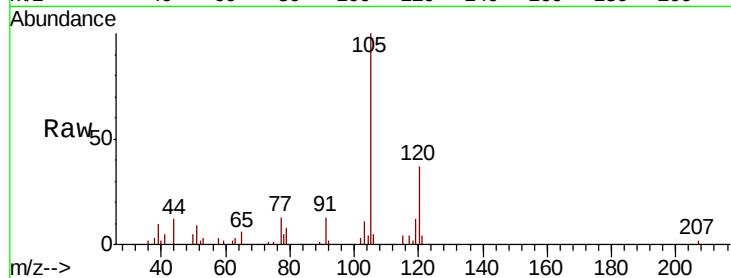
MDL-WATER-03-QT4-2018

Tgt Ion:105 Resp: 12996

Ion Ratio Lower Upper

105 100

120 43.9 21.9 65.8



#79

sec-Butylbenzene

Concen: 0.262 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028338.D

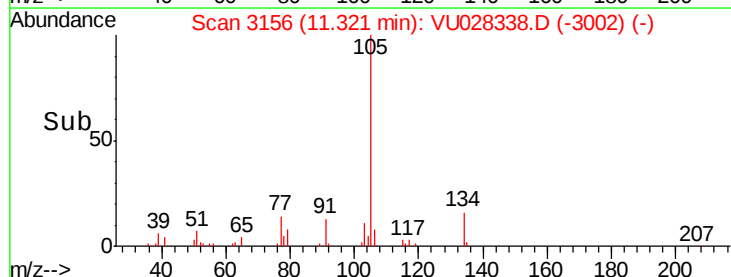
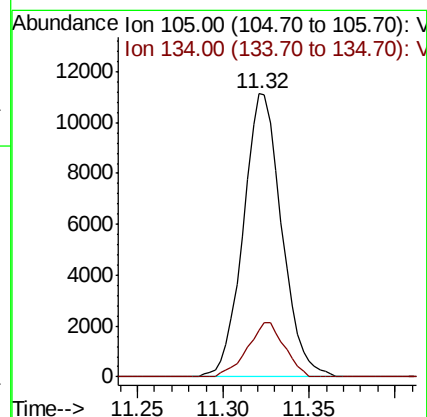
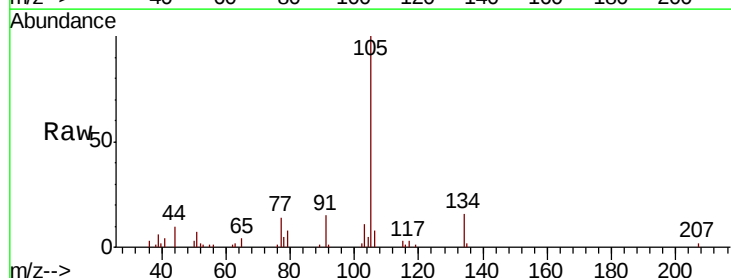
Acq: 26 Nov 2018 14:57

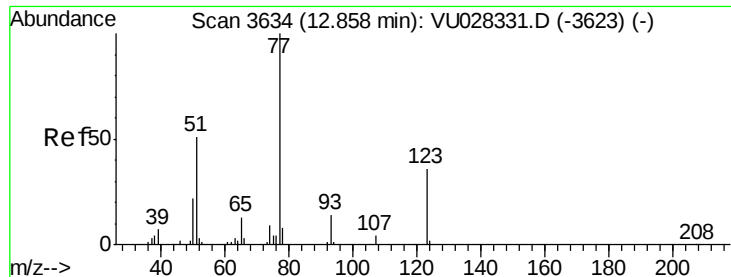
Tgt Ion:105 Resp: 17246

Ion Ratio Lower Upper

105 100

134 18.4 14.6 22.0





#80

Nitrobenzene

Concen: 1.071 ug/l

RT: 12.87 min Scan# 3637

Delta R.T. 0.01 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

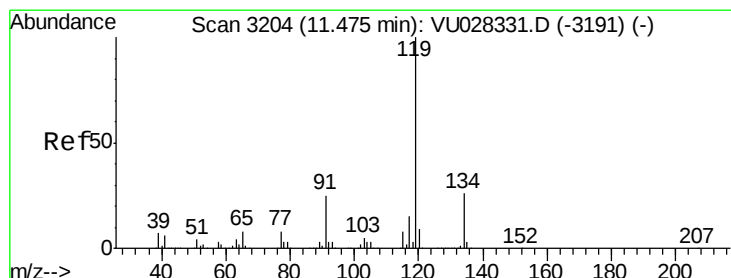
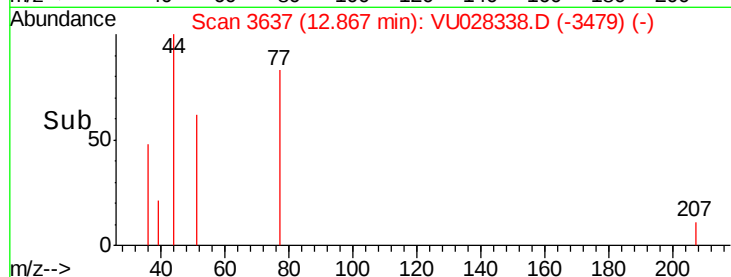
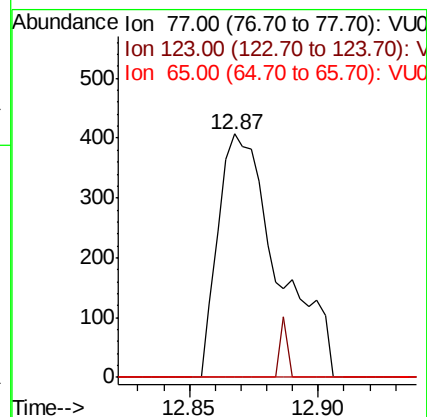
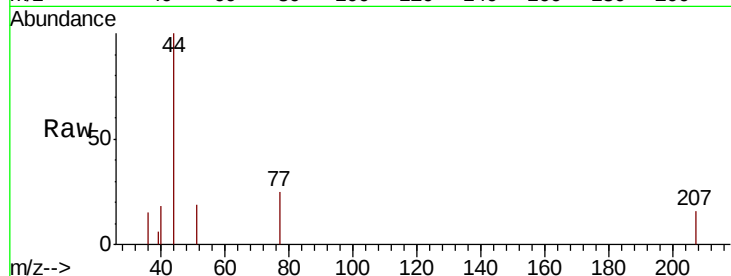
Tgt Ion: 77 Resp: 658

Ion Ratio Lower Upper

77 100

123 2.9 16.5 58.3#

65 0.0 12.1 15.3#



#81

p-Isopropyltoluene

Concen: 0.249 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

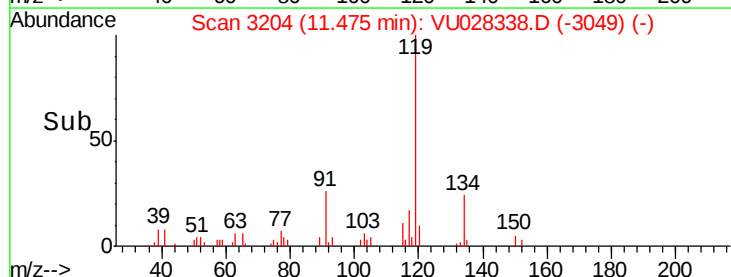
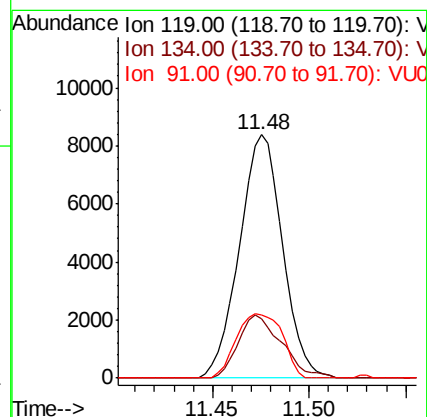
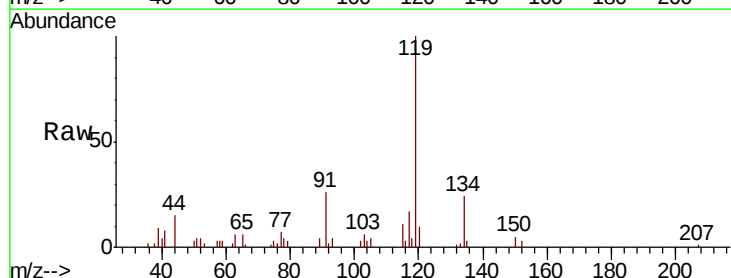
Tgt Ion: 119 Resp: 12988

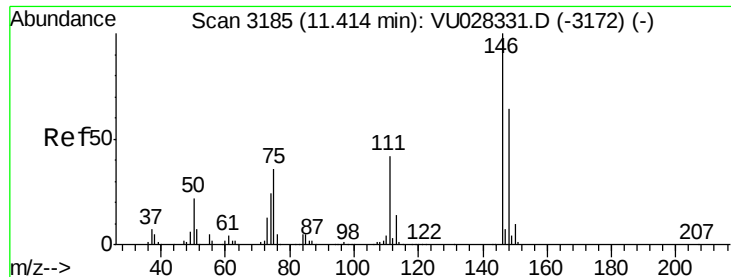
Ion Ratio Lower Upper

119 100

134 26.0 20.3 30.5

91 28.2 20.0 30.0





#82

1,3-Dichlorobenzene

Concen: 0.272 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

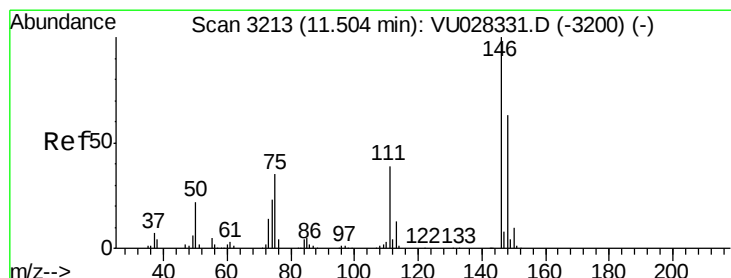
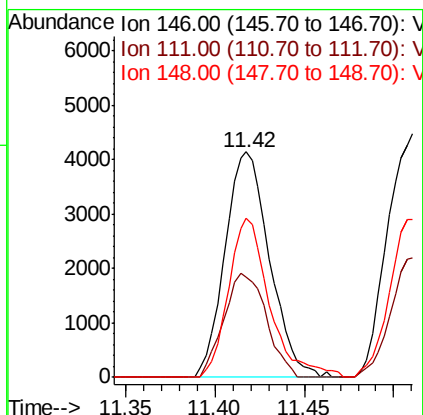
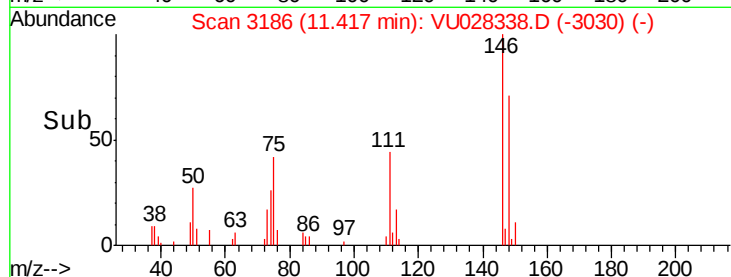
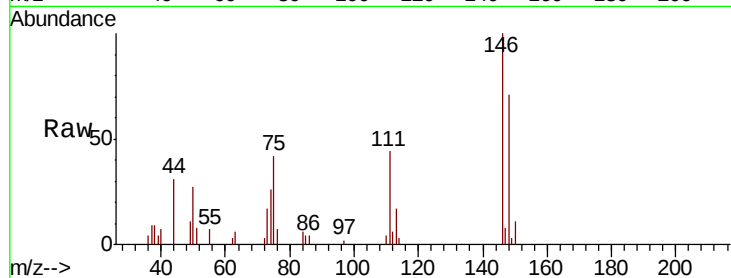
Tgt Ion:146 Resp: 7195

Ion Ratio Lower Upper

146 100

111 43.9 33.4 50.2

148 64.9 51.2 76.8



#83

1,4-Dichlorobenzene

Concen: 0.296 ug/l

RT: 11.51 min Scan# 3215

Delta R.T. 0.01 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

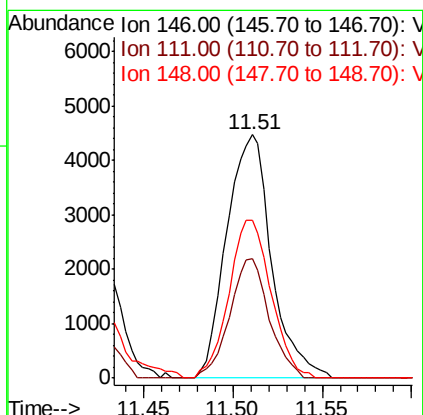
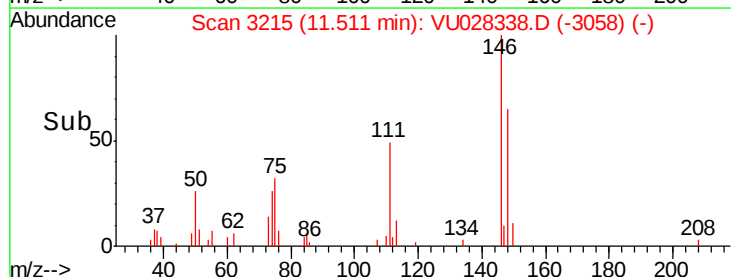
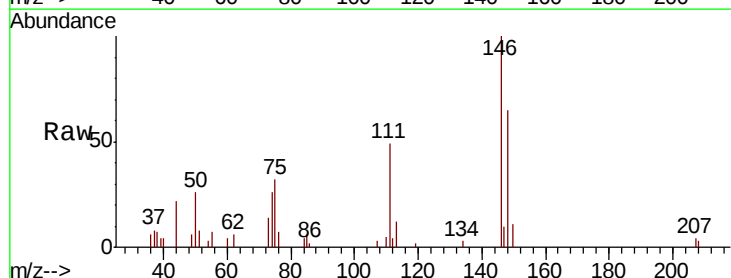
Tgt Ion:146 Resp: 7793

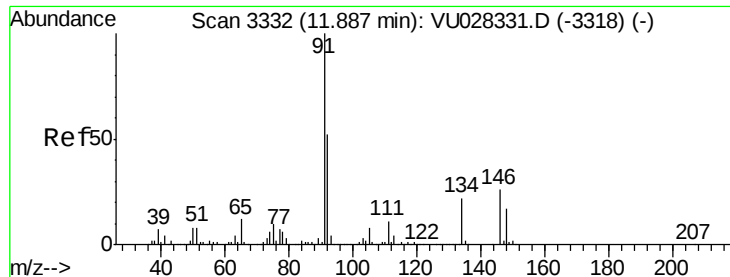
Ion Ratio Lower Upper

146 100

111 43.2 31.4 47.2

148 61.3 50.7 76.1

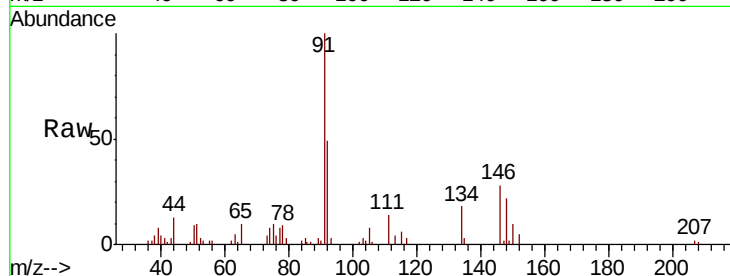




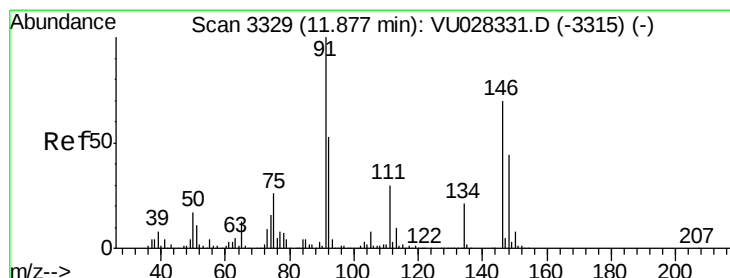
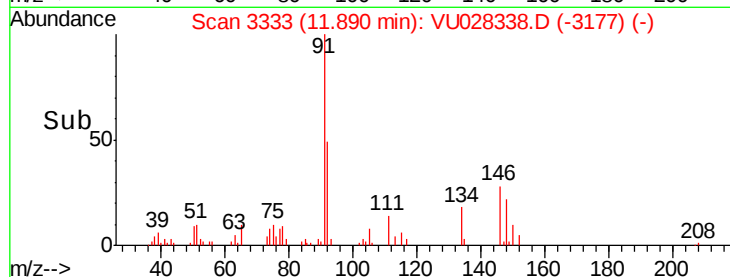
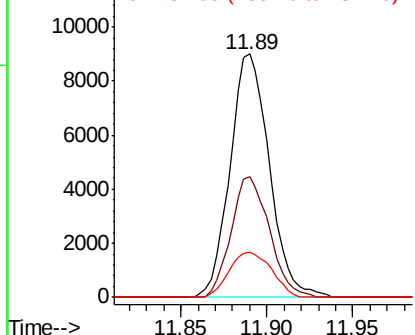
#84
n-Butylbenzene
Concen: 0.262 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion: 91 Resp: 14349
Ion Ratio Lower Upper
91 100
92 48.3 41.6 62.4
134 20.0 17.8 26.6

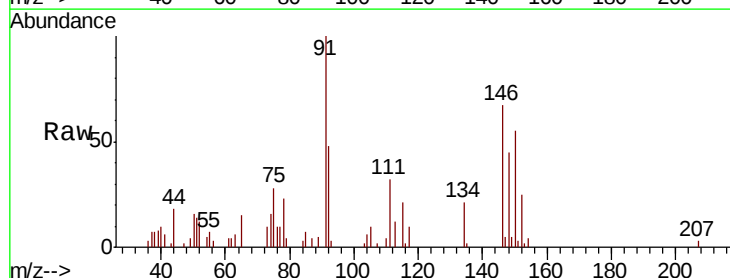


Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V

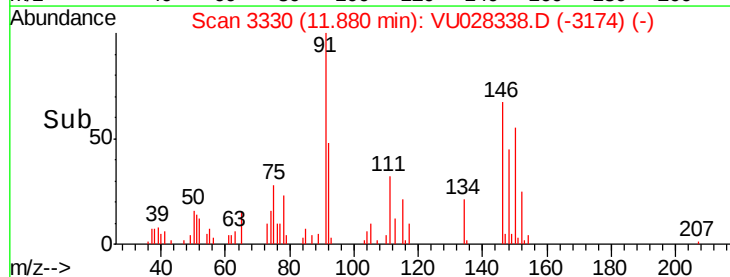
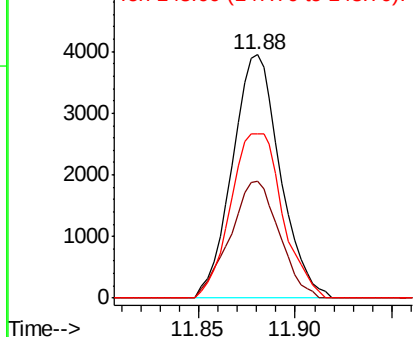


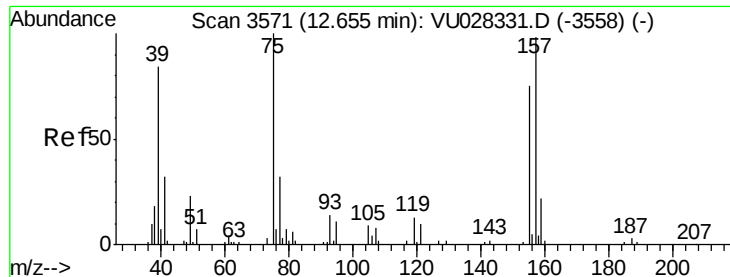
#85
1,2-Dichlorobenzene
Concen: 0.269 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU028338.D
Acq: 26 Nov 2018 14:57

Tgt Ion: 146 Resp: 6785
Ion Ratio Lower Upper
146 100
111 49.3 21.4 64.3
148 73.3 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

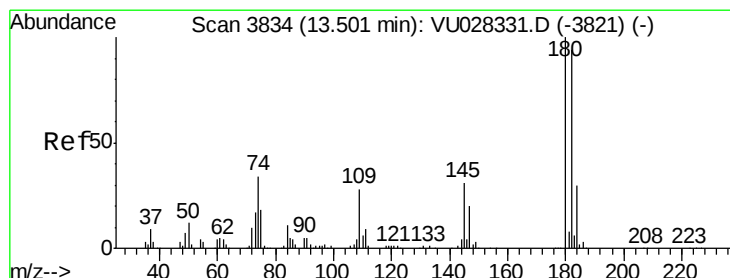
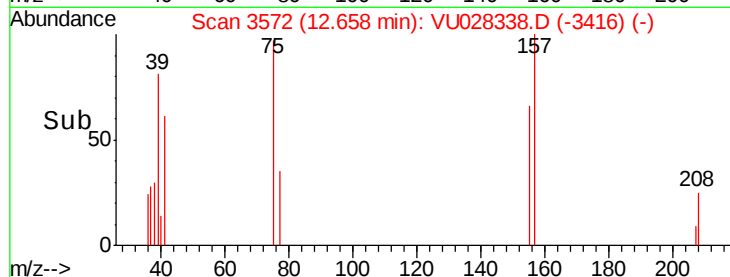
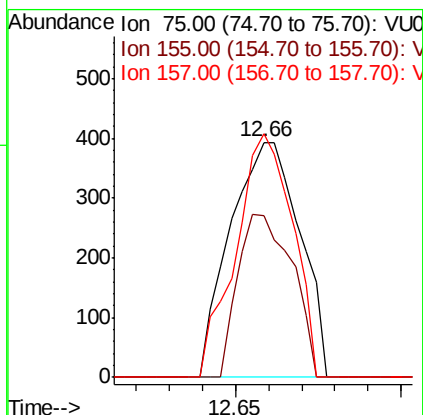
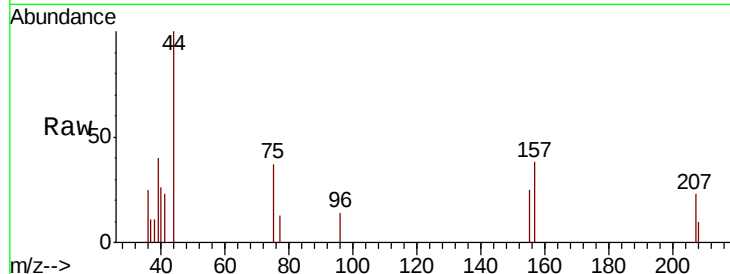




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.262 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

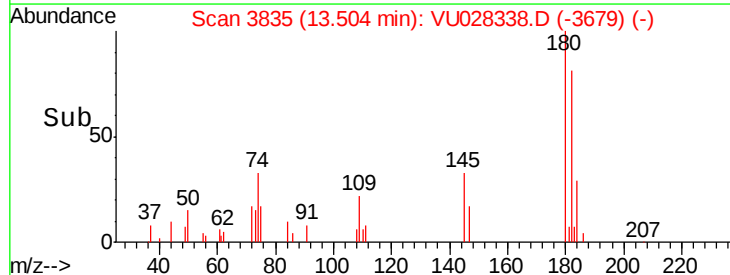
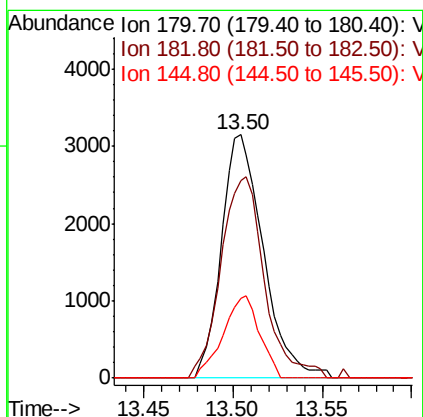
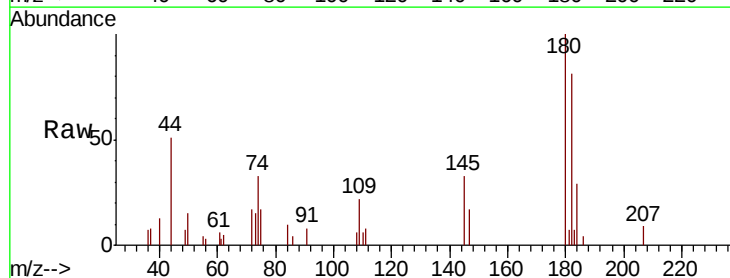
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

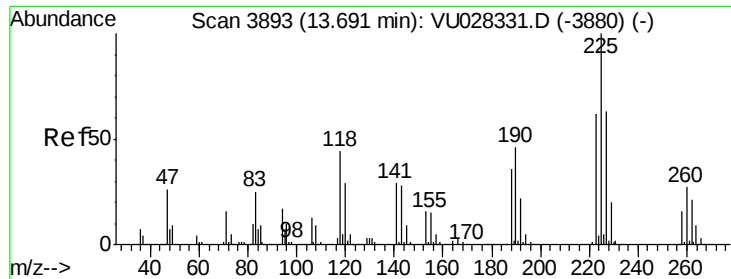
Tgt Ion: 75 Resp: 575
 Ion Ratio Lower Upper
 75 100
 155 54.1 57.0 85.4#
 157 84.5 75.4 113.2



#87
 1,2,4-Trichlorobenzene
 Concen: 0.290 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Tgt Ion: 180 Resp: 5139
 Ion Ratio Lower Upper
 180 100
 182 85.8 75.6 113.4
 145 29.3 24.4 36.6





#88

Hexachlorobutadiene

Concen: 0.256 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2018

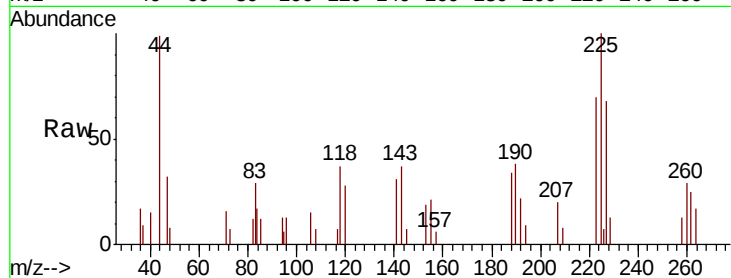
Tgt Ion:225 Resp: 2452

Ion Ratio Lower Upper

225 100

223 65.7 50.6 76.0

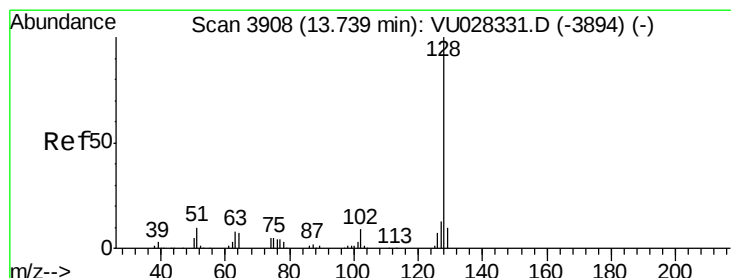
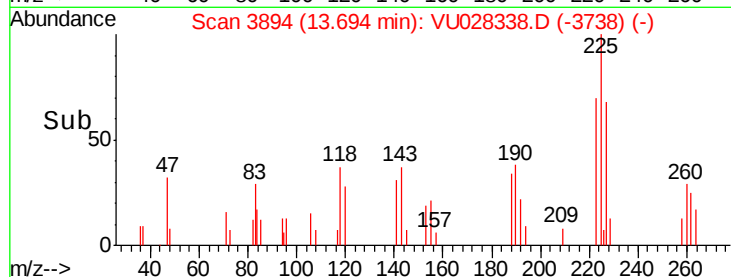
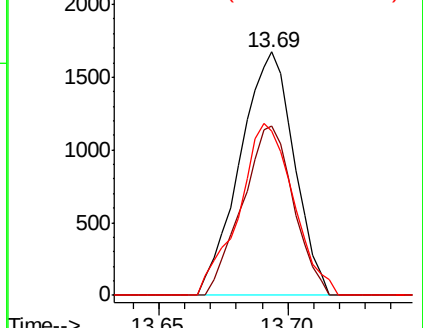
227 71.3 50.8 76.2



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: 0.247 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.01 min

Lab File: VU028338.D

Acq: 26 Nov 2018 14:57

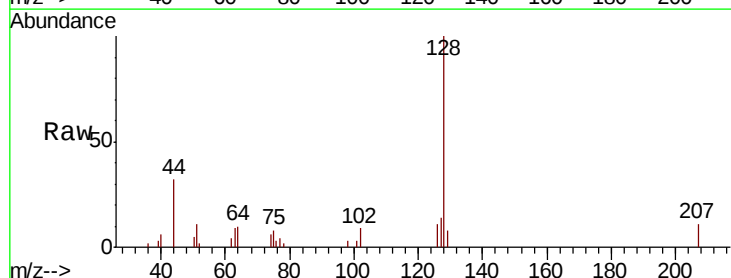
Tgt Ion:128 Resp: 8644

Ion Ratio Lower Upper

128 100

127 15.4 10.3 15.5

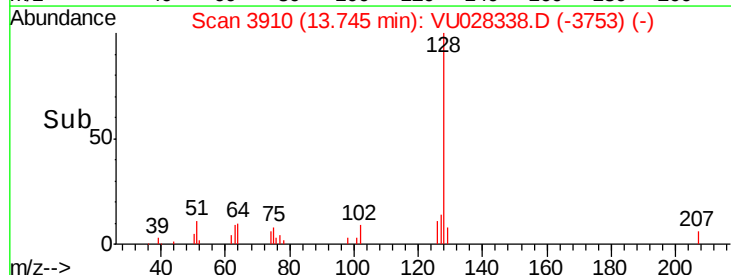
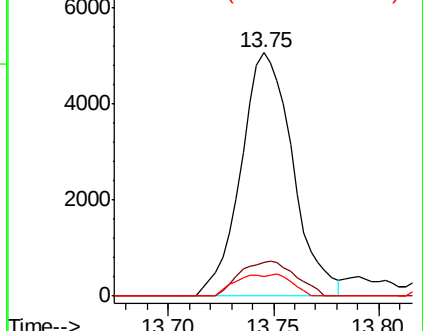
129 9.5 8.2 12.4

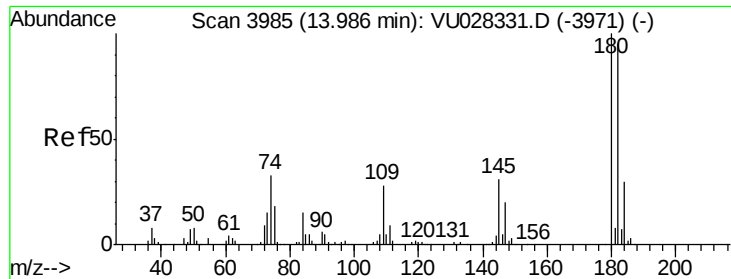


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

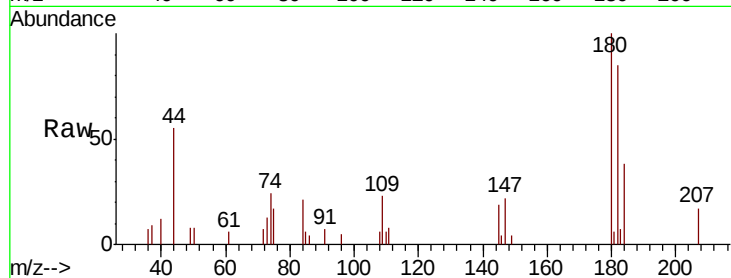




#90
 1,2,3-Trichlorobenzene
 Concen: 0.276 ug/l
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU028338.D
 Acq: 26 Nov 2018 14:57

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tgt Ion:180 Resp: 4614
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.1 114.1
 145 29.2 26.0 39.0



Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.70 (181.40 to 182.40): V
 Ion 144.80 (144.50 to 145.50): V

