

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072518\
 Data File : VU025637.D
 Acq On : 25 Jul 2018 17:52
 Operator : MD/SY
 Sample : J3762-09 MDL 0.25PPB
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Quant Time: Jul 26 02:25:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 25 12:16:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	33938	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	11967	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	11.87	152	12941	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	2891	0.239	ug/l 95
3) Chloromethane	1.33	50	2630	0.230	ug/l 97
4) Vinyl Chloride	1.40	62	2996	0.283	ug/l 96
6) Chloroethane	1.70	64	1434	0.226	ug/l # 79
7) Trichlorofluoromethane	1.89	101	4124	0.267	ug/l 95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	2177	0.257	ug/l 95
9) 1,1-Dichloroethene	2.29	96	1792	0.240	ug/l 99
10) Iodomethane	2.42	142	604	0.913	ug/l # 66
11) Allyl Chloride	2.59	41	3395	0.271	ug/l # 67
12) Acrylonitrile	2.95	53	727	0.441	ug/l # 66
13) Acetone	2.33	43	2741	1.911	ug/l 91
14) Carbon Disulfide	2.48	76	6795	0.266	ug/l 96
15) Methylene Chloride	2.71	84	2700	0.303	ug/l 94
16) trans-1,2-Dichloroethene	2.99	96	2208	0.263	ug/l # 80
17) 1,1-Dichloroethane	3.45	63	3968	0.238	ug/l # 85
18) 2-Butanone	4.29	43	3506	1.408	ug/l 99
19) Cyclohexane	4.99	56	2931	0.228	ug/l # 77
20) Methylcyclohexane	6.42	83	3873	0.246	ug/l 92
21) 2,2-Dichloropropane	4.23	77	5077	0.320	ug/l # 82
22) cis-1,2-Dichloroethene	4.23	96	2508	0.237	ug/l 81
23) Diethyl Ether	2.10	59	1435	0.253	ug/l # 90
24) tert-Butyl Alcohol	2.86	59	2430	3.650	ug/l 98
25) Methyl tert-Butyl Ether	3.00	73	4947	0.244	ug/l 96
26) Bromochloromethane	4.55	128	1113	0.239	ug/l 78
27) Chloroform	4.68	83	4614	0.252	ug/l 96
28) 1,1,1-Trichloroethane	4.91	97	4147	0.251	ug/l 97
29) 1,1-Dichloropropene	5.14	75	3419	0.253	ug/l 96
30) Carbon Tetrachloride	5.14	117	3583	0.239	ug/l 99
31) Isopropyl Ether	3.58	45	6874	0.258	ug/l 85
32) Ethyl-t-butyl ether	4.09	59	6131	0.242	ug/l 96
33) Tert-Amyl methyl ether	5.59	73	5031	0.225	ug/l 95
34) Propionitrile	4.35	54	375	0.542	ug/l # 48
35) Benzene	5.39	78	9119	0.241	ug/l 96
36) 1,2-Dichloroethane	5.41	62	2829	0.244	ug/l # 79
37) Trichloroethene	6.19	130	3000	0.269	ug/l 98
38) 1,2-Dichloropropane	6.44	63	2437	0.248	ug/l 93
39) Methacrylonitrile	4.56	41	709	0.223	ug/l # 80
40) Methyl acrylate	4.45	55	963	0.201	ug/l # 73
41) Tetrahydrofuran	4.67	42	1042	0.554	ug/l # 77
42) 1-Chlorobutane	5.07	56	4395	0.238	ug/l 89
43) Dibromomethane	6.57	93	1271	0.248	ug/l # 81

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

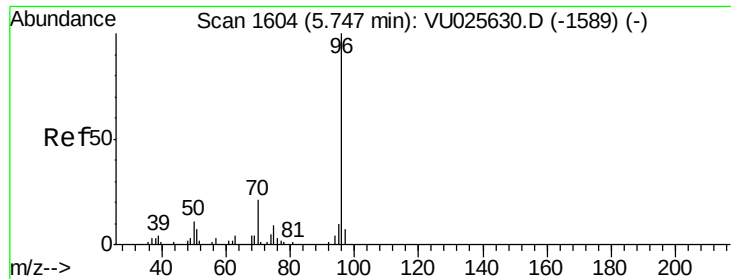
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Quant Time: Jul 26 02:25:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Bromodichloromethane	6.76	83	3027	0.233	ug/l #	81
45) 4-Methyl-2-Pentanone	7.47	43	6486	1.136	ug/l	95
46) t-1,4-Dichloro-2-butene	10.50	75	1496	2.069	ug/l #	45
47) Methyl methacrylate	6.63	69	1724	0.403	ug/l #	77
48) Ethyl methacrylate	8.03	69	1897	0.220	ug/l	89
49) Toluene	7.64	92	5553	0.240	ug/l	93
50) t-1,3-Dichloropropene	7.89	75	2544	0.217	ug/l	93
51) cis-1,3-Dichloropropene	7.27	75	3018	0.215	ug/l #	87
52) 1,1,2-Trichloroethane	8.07	97	1517	0.221	ug/l	91
53) 1,3-Dichloropropane	8.25	76	2738	0.236	ug/l	99
54) 2-Hexanone	8.37	43	4686	1.162	ug/l	90
55) Dibromochloromethane	8.48	129	2083	0.239	ug/l	100
56) 1,2-Dibromoethane	8.59	107	1618	0.244	ug/l	94
58) Tetrachloroethene	8.23	164	2401	0.240	ug/l	94
59) Chlorobenzene	9.12	112	6312	0.238	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	2263	0.229	ug/l	92
61) Pentachloroethane	11.11	117	1524	0.202	ug/l	93
63) Ethyl Benzene	9.25	91	10362	0.234	ug/l	99
64) m/p-Xylenes	9.38	106	7407	0.426	ug/l	97
65) o-Xylene	9.78	106	3682	0.222	ug/l	98
66) Styrene	9.80	104	5753	0.205	ug/l	98
69) Isopropylbenzene	10.17	105	9699	0.217	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	1898	0.220	ug/l #	84
71) 1,2,3-Trichloropropane	10.50	75	1496	0.222	ug/l #	88
72) Bromobenzene	10.46	156	2484	0.214	ug/l	92
74) 2-Chlorotoluene	10.67	126	2229	0.201	ug/l	95
76) 4-Chlorotoluene	10.78	126	2372	0.203	ug/l	89
77) tert-Butylbenzene	11.10	119	8197	0.213	ug/l	97
80) Nitrobenzene	12.87	77	262	0.998	ug/l #	40
82) 1,3-Dichlorobenzene	11.42	146	5663	0.237	ug/l	99
83) 1,4-Dichlorobenzene	11.52	146	5734	0.246	ug/l	97
84) n-Butylbenzene	11.89	91	8390	0.208	ug/l	91
85) 1,2-Dichlorobenzene	11.89	146	5228	0.240	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	381	0.268	ug/l #	66
87) 1,2,4-Trichlorobenzene	13.51	180	3942	0.260	ug/l	98
88) Hexachlorobutadiene	13.70	225	1921	0.206	ug/l	92
89) Naphthalene	13.75	128	5343	0.217	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VU025637.D

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ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion: 96 Resp: 33938

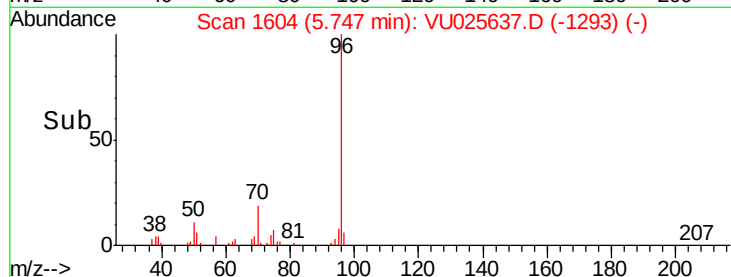
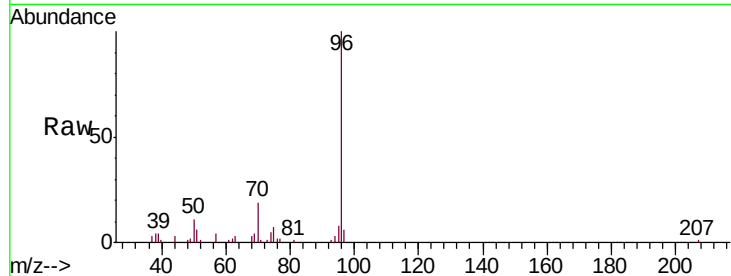
Ion Ratio Lower Upper

96 100

70 19.7 16.2 24.4

95 9.4 6.9 10.3

97 6.4 0.0 0.0#

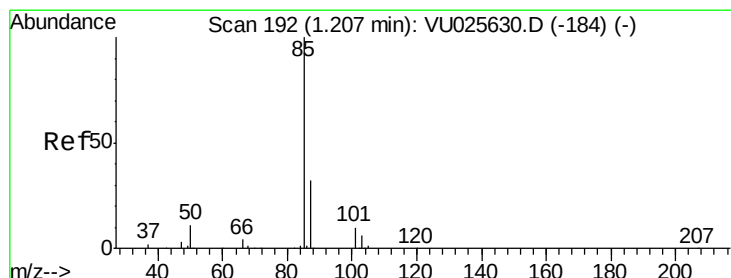
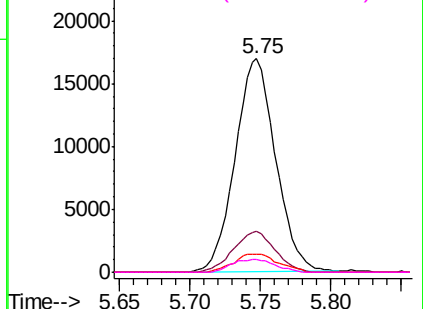


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 0.239 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025637.D

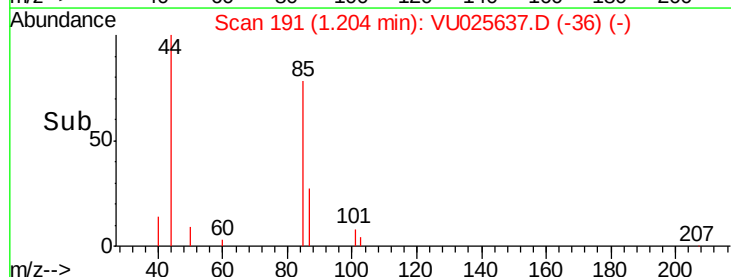
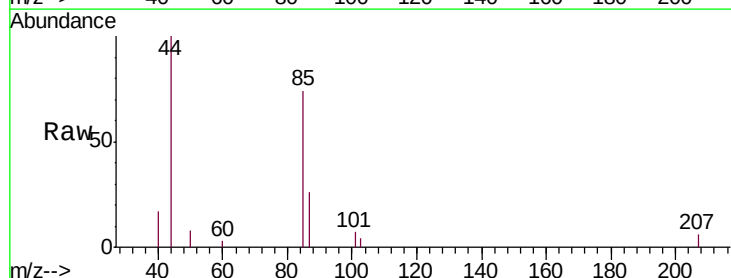
Acq: 25 Jul 2018 17:52

Tgt Ion: 85 Resp: 2891

Ion Ratio Lower Upper

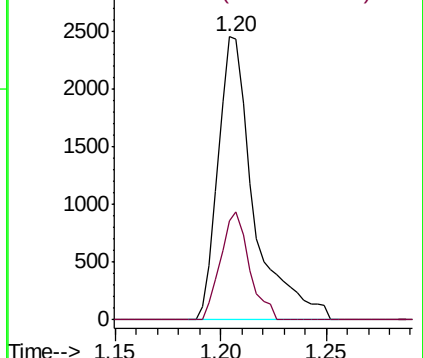
85 100

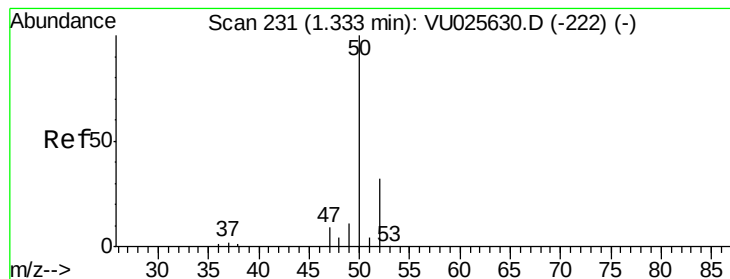
87 35.0 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 0.230 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

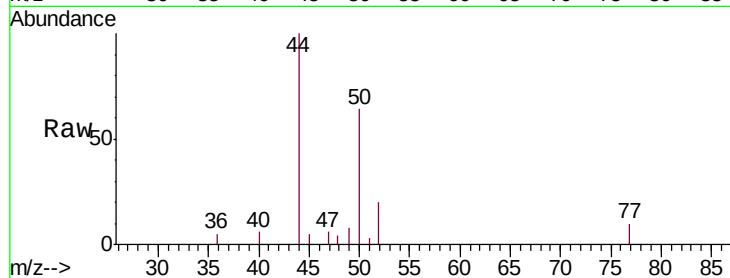
MDL-WATER-03-QT3-2018

Tot Ion: 50 Resp: 2630

Ion Ratio Lower Upper

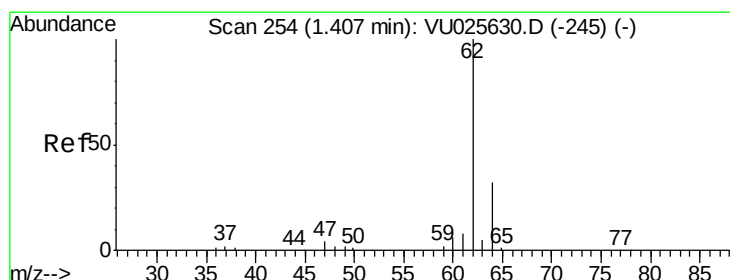
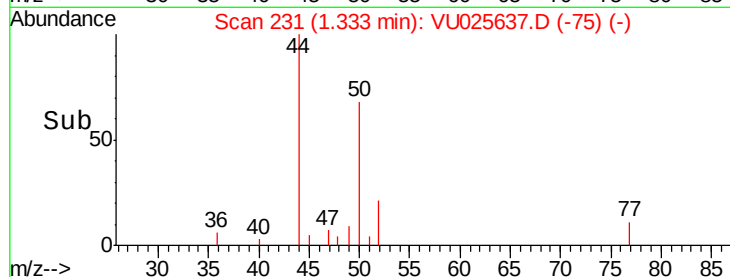
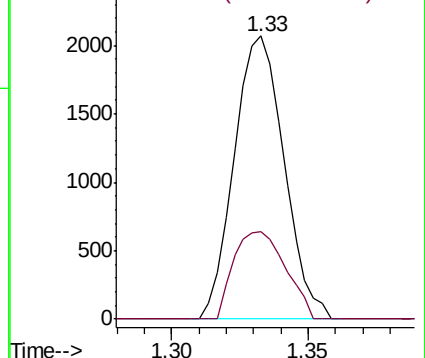
50 100

52 31.0 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 0.283 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025637.D

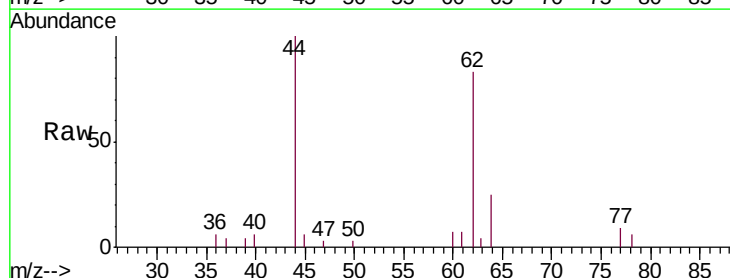
Acq: 25 Jul 2018 17:52

Tgt Ion: 62 Resp: 2996

Ion Ratio Lower Upper

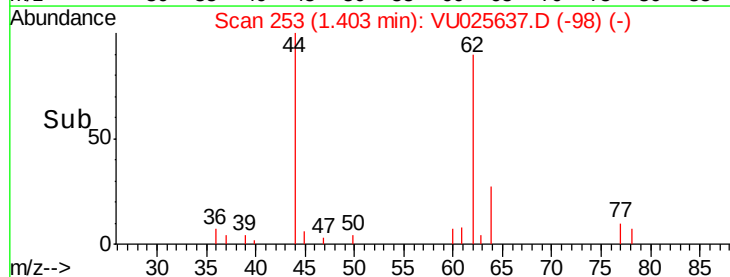
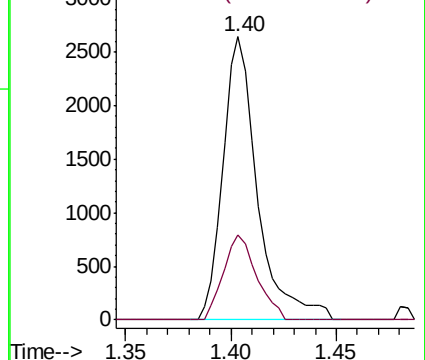
62 100

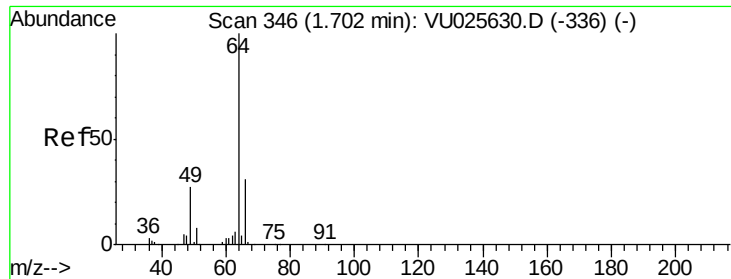
64 30.1 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#6

Chloroethane

Concen: 0.226 ug/l

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

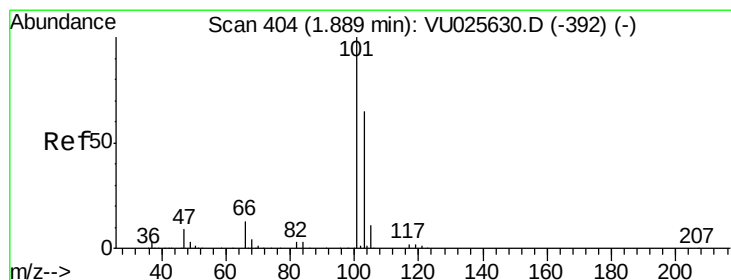
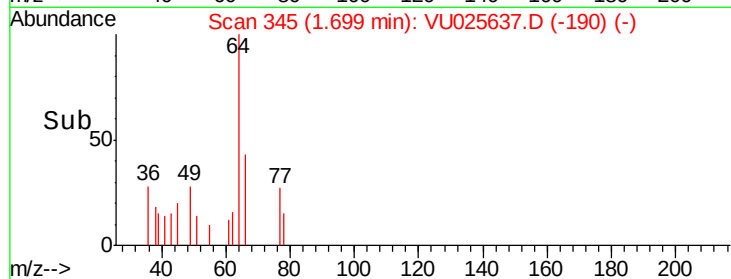
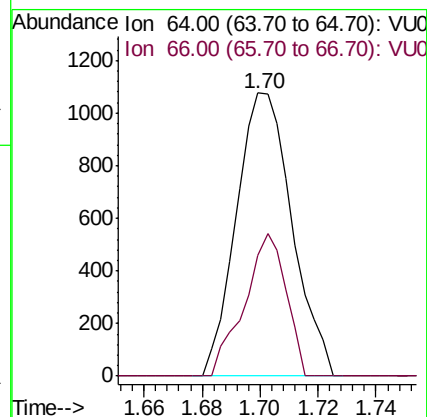
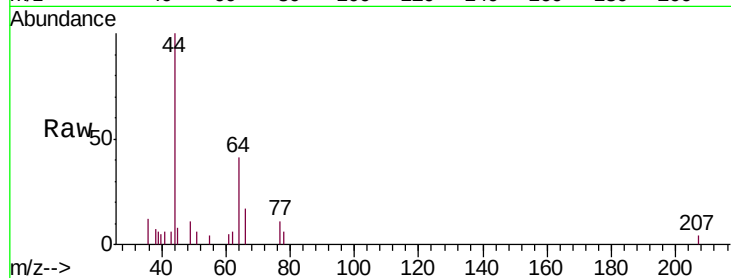
MDL-WATER-03-QT3-2018

Tot Ion: 64 Resp: 1434

Ion Ratio Lower Upper

64 100

66 42.6 24.9 37.3#



#7

Trichlorofluoromethane

Concen: 0.267 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025637.D

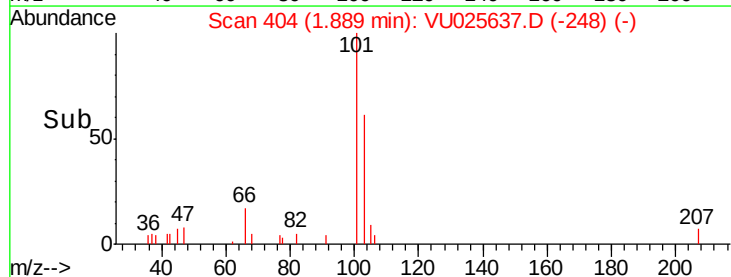
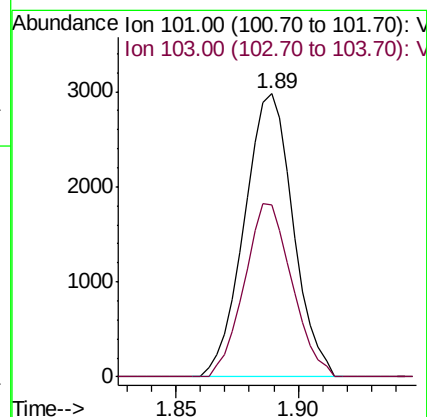
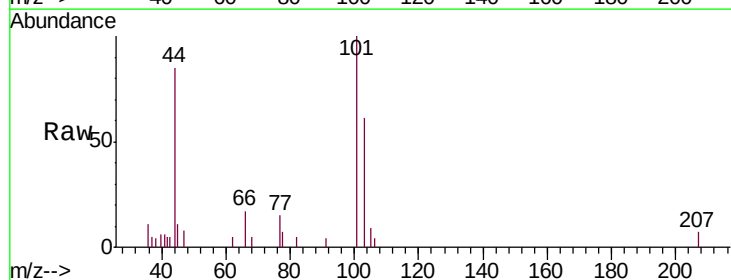
Acq: 25 Jul 2018 17:52

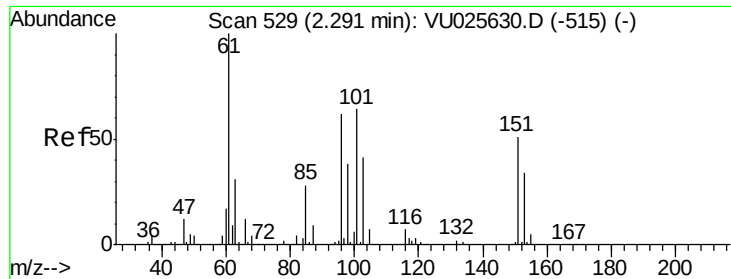
Tgt Ion: 101 Resp: 4124

Ion Ratio Lower Upper

101 100

103 60.6 51.4 77.0





#8

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

Concen: 0.257 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

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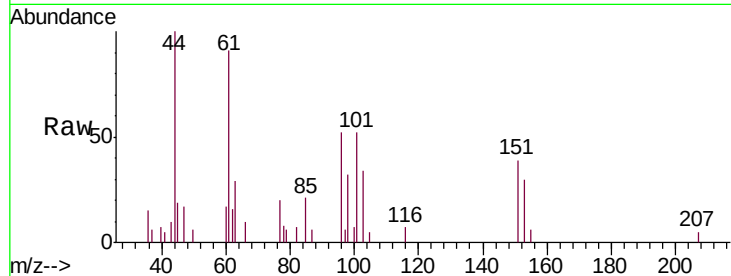
Tot Ion:101 Resp: 2177

Ion Ratio Lower Upper

101 100

85 35.9 35.2 52.8

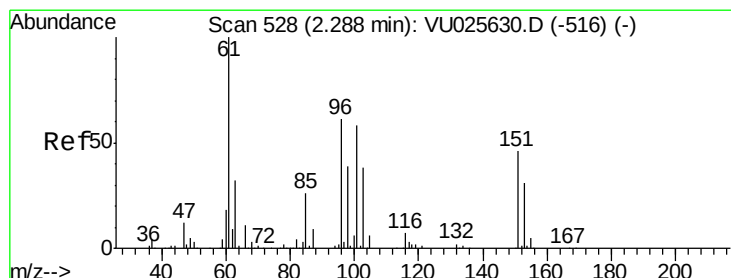
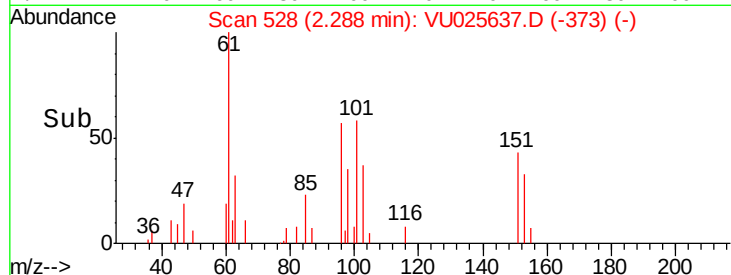
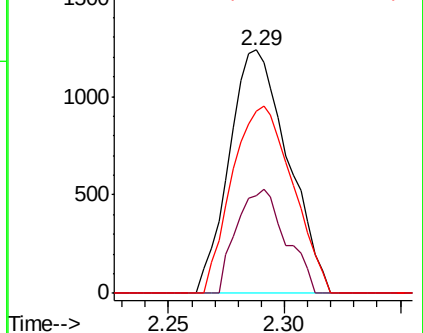
151 79.5 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#9

1,1-Dichloroethene

Concen: 0.240 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

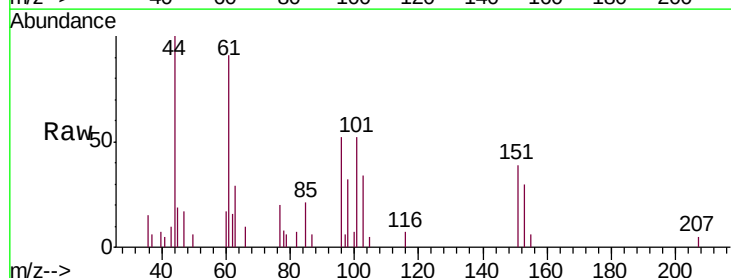
Tgt Ion: 96 Resp: 1792

Ion Ratio Lower Upper

96 100

61 176.0 0.0 526.5

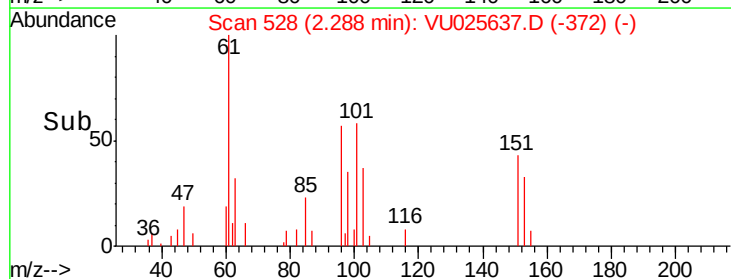
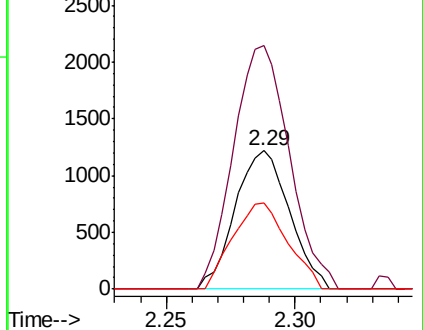
98 62.5 0.0 123.4

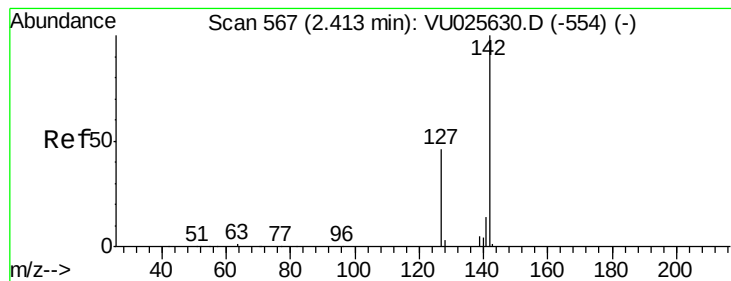


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#10

Iodomethane

Concen: 0.913 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

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Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

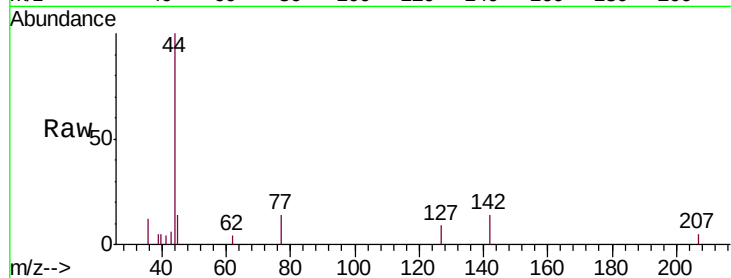
MDL-WATER-03-QT3-2018

Tot Ion:142 Resp: 604

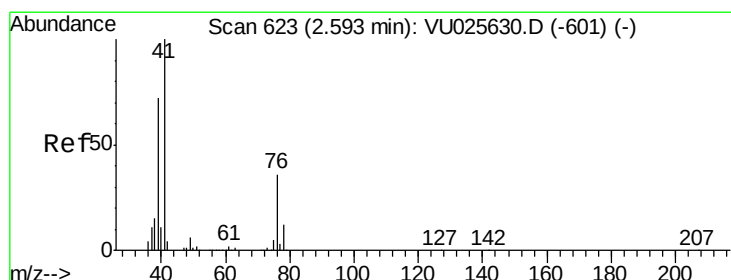
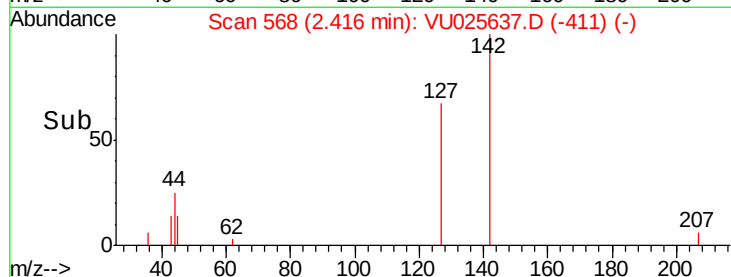
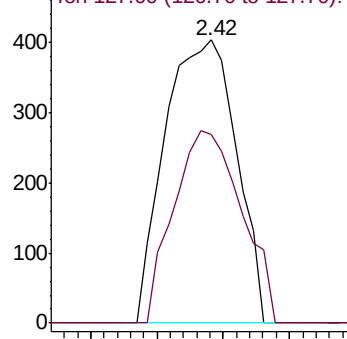
Ion Ratio Lower Upper

142 100

127 64.9 34.5 51.7#



Abundance Ion 142.00 (141.70 to 142.70): V



#11

Allyl Chloride

Concen: 0.271 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025637.D

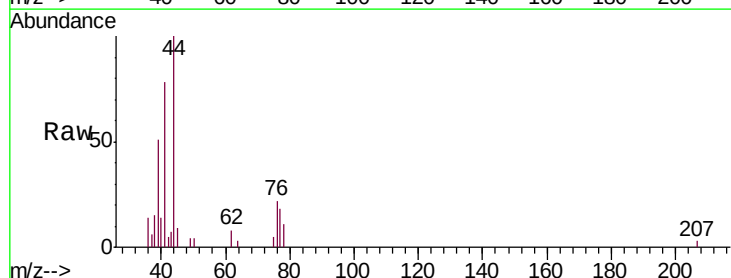
Acq: 25 Jul 2018 17:52

Tgt Ion: 41 Resp: 3395

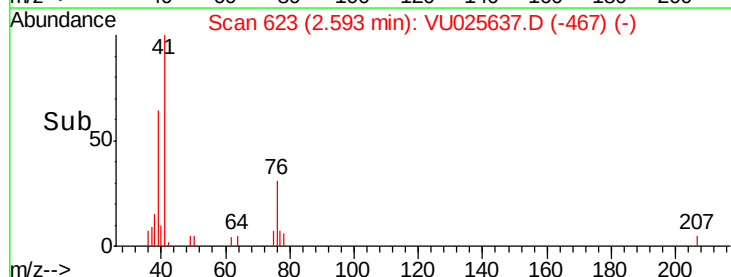
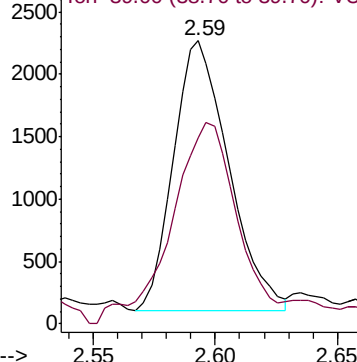
Ion Ratio Lower Upper

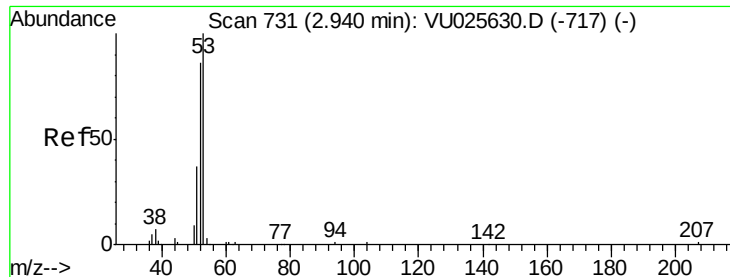
41 100

39 90.4 51.4 77.2#



Abundance Ion 41.00 (40.70 to 41.70): VU0





#12

Acrylonitrile

Concen: 0.441 ug/l

RT: 2.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

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MSVOA_U

ClientSampleId :

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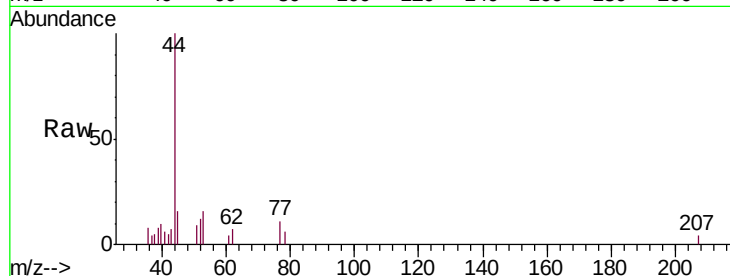
Tot Ion: 53 Resp: 727

Ion Ratio Lower Upper

53 100

52 48.6 65.1 97.7#

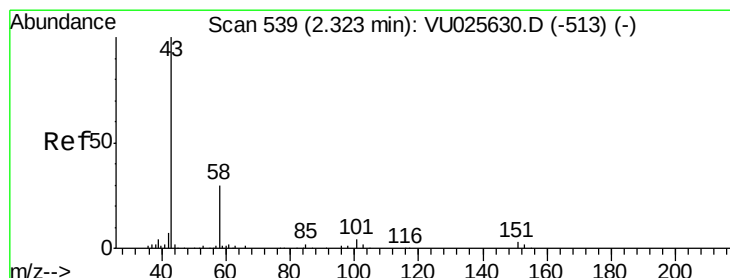
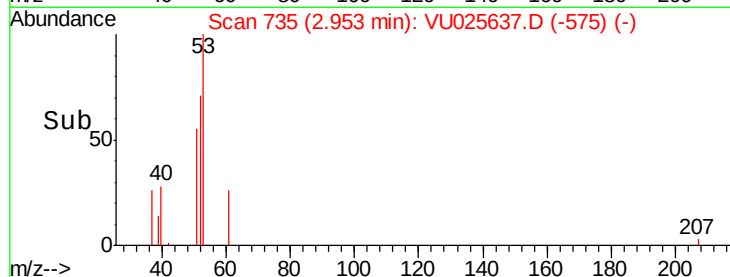
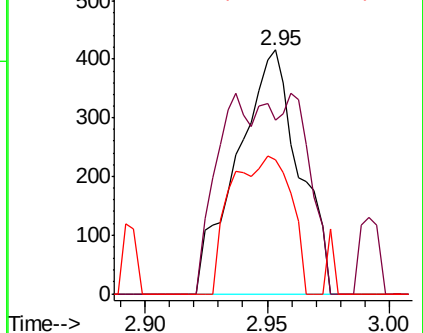
51 55.4 30.2 45.4#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#13

Acetone

Concen: 1.911 ug/l

RT: 2.33 min Scan# 541

Delta R.T. 0.01 min

Lab File: VU025637.D

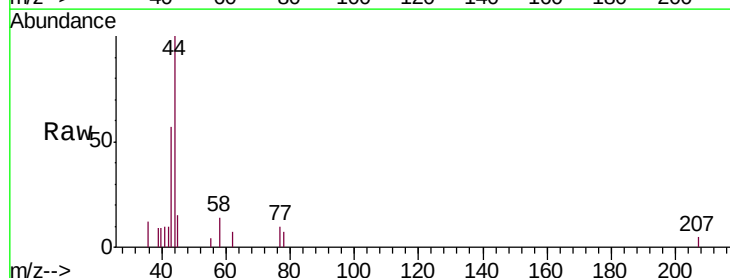
Acq: 25 Jul 2018 17:52

Tgt Ion: 43 Resp: 2741

Ion Ratio Lower Upper

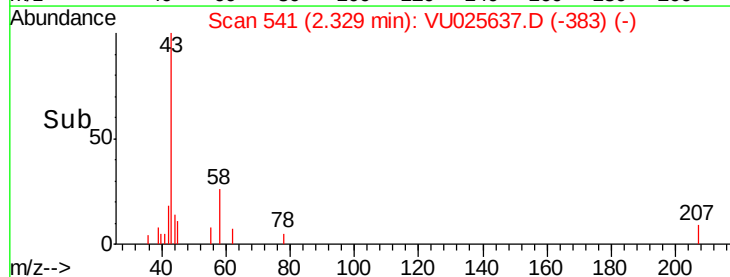
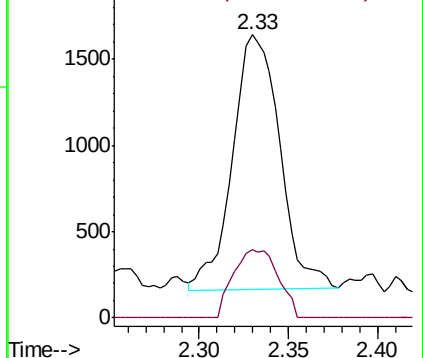
43 100

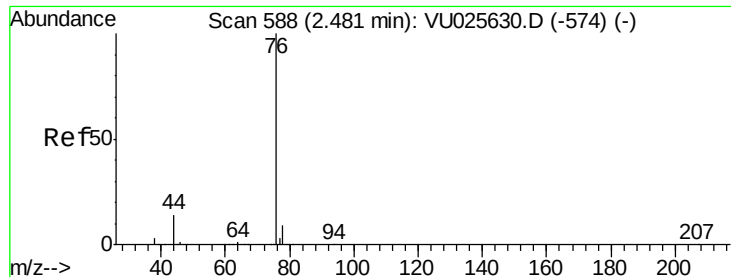
58 27.2 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon Disulfide

Concen: 0.266 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

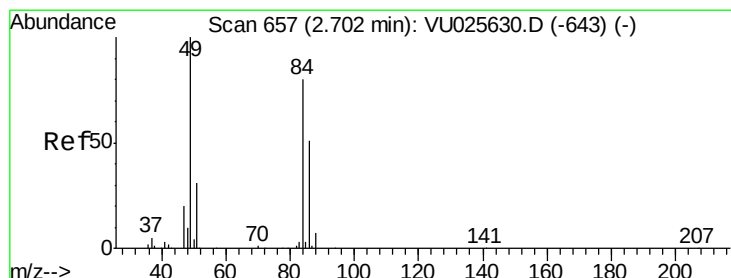
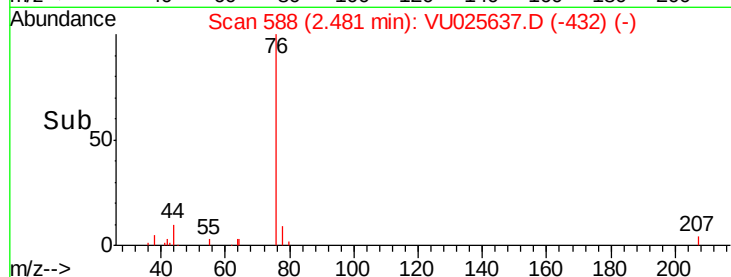
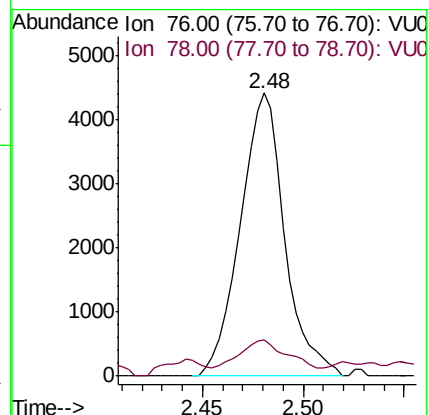
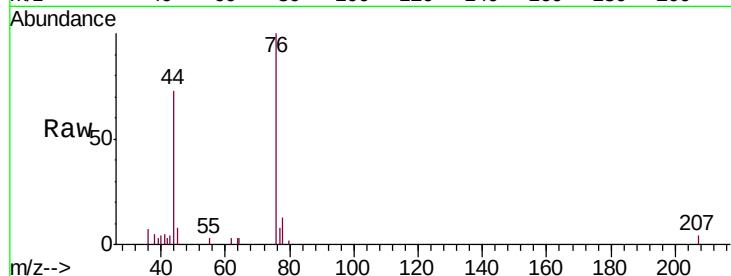
MDL-WATER-03-QT3-2018

Tot Ion: 76 Resp: 6795

Ion Ratio Lower Upper

76 100

78 7.6 7.3 10.9



#15

Methylene Chloride

Concen: 0.303 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Tgt Ion: 84 Resp: 2700

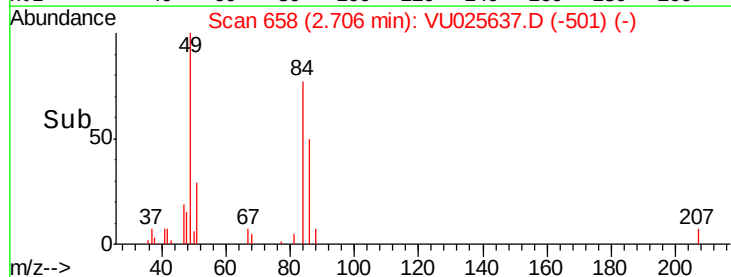
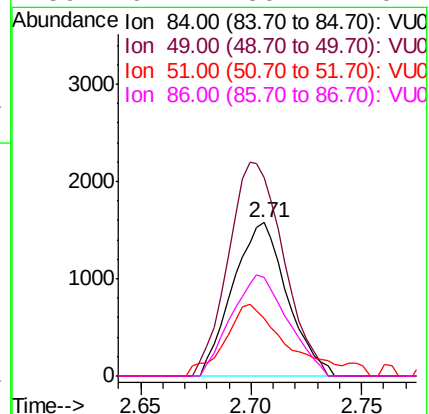
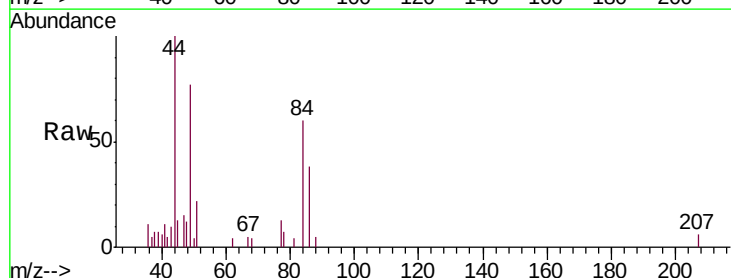
Ion Ratio Lower Upper

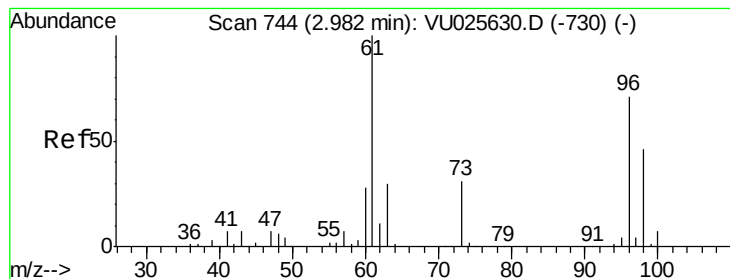
84 100

49 129.5 108.7 163.1

51 30.5 0.0 82.4

86 64.1 50.7 76.1





#16

trans-1,2-Dichloroethene

Concen: 0.263 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

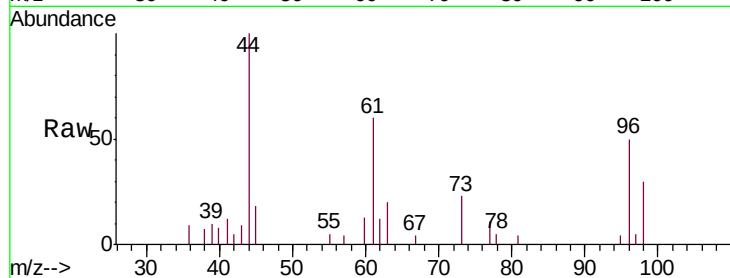
Tot Ion: 96 Resp: 2208

Ion Ratio Lower Upper

96 100

61 121.2 123.9 185.9#

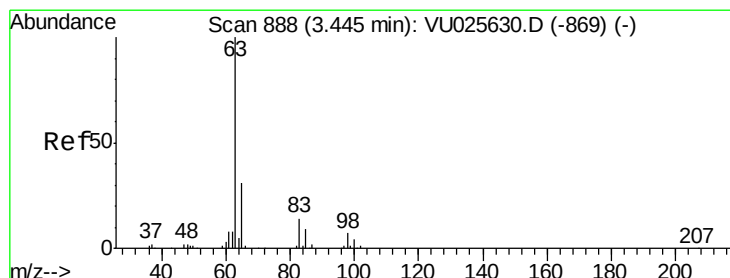
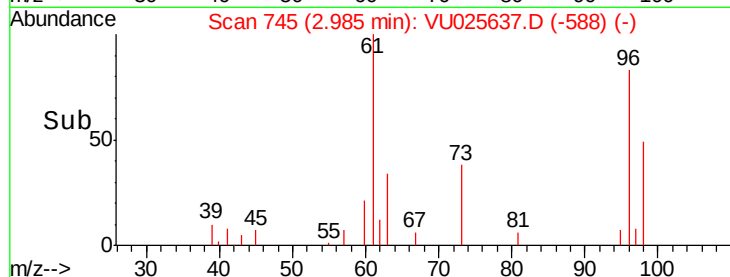
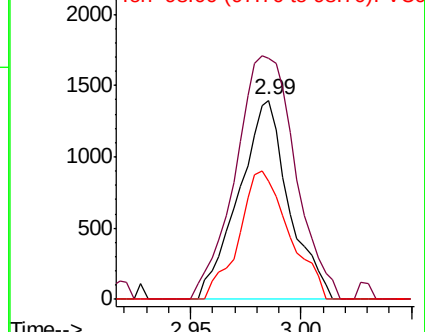
98 59.7 50.6 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#17

1,1-Dichloroethane

Concen: 0.238 ug/l

RT: 3.45 min Scan# 888

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

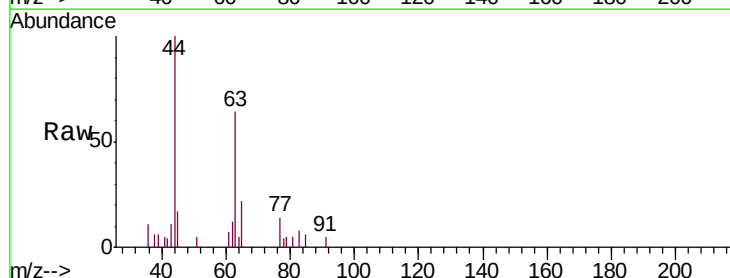
Tgt Ion: 63 Resp: 3968

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

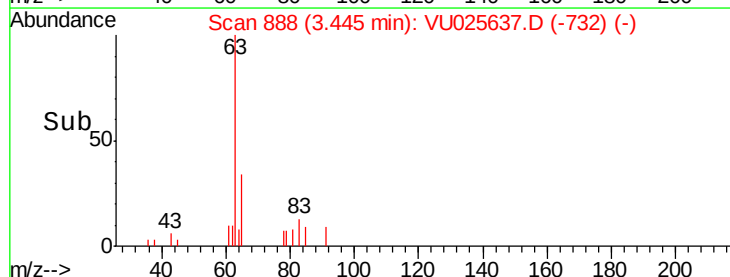
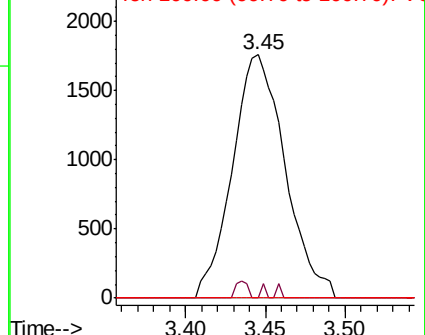
100 0.0 2.0 5.8#

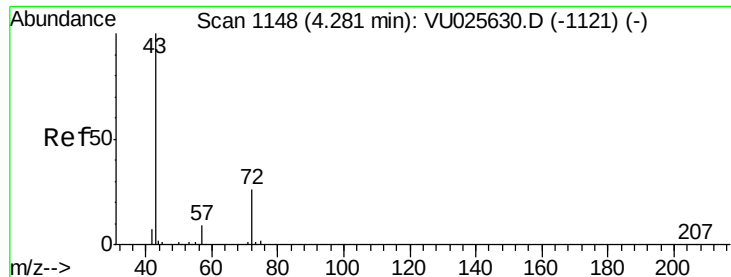


Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

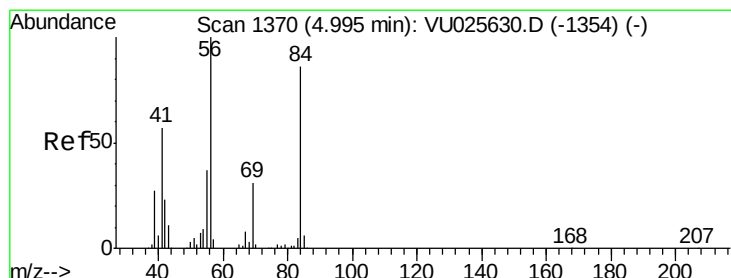
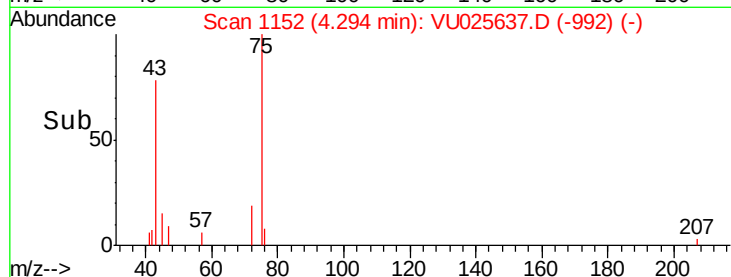
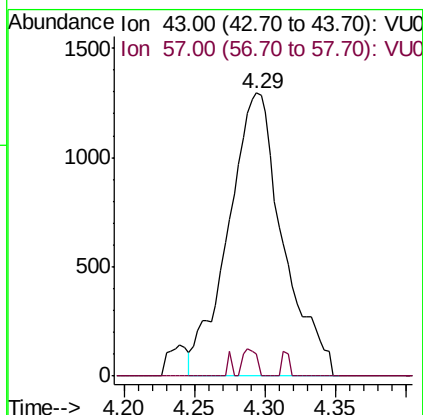
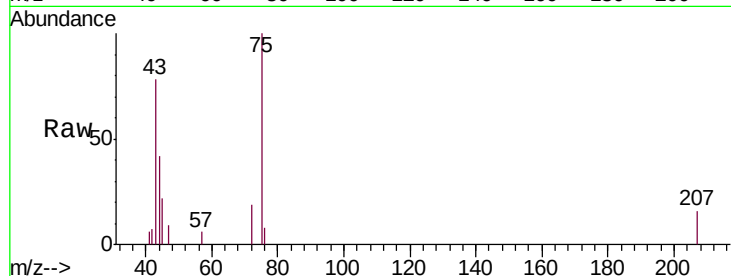




#18
2-Butanone
Concen: 1.408 ug/l
RT: 4.29 min Scan# 1152
Delta R.T. 0.01 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

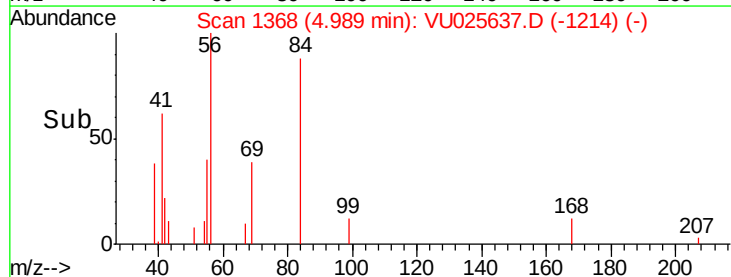
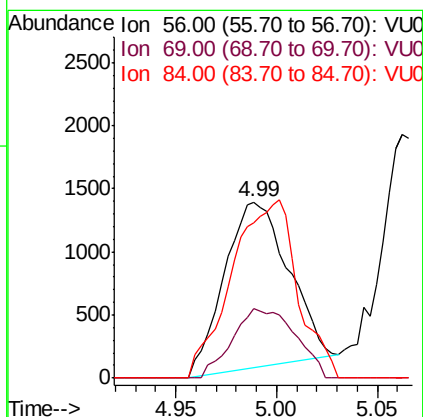
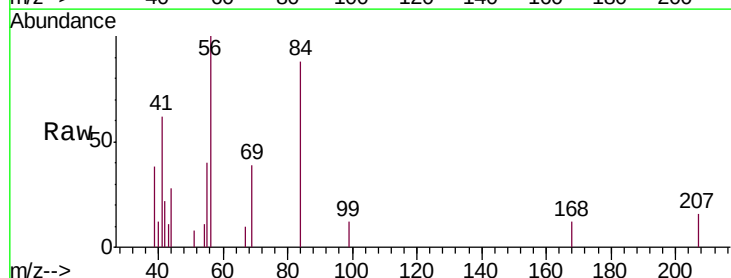
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

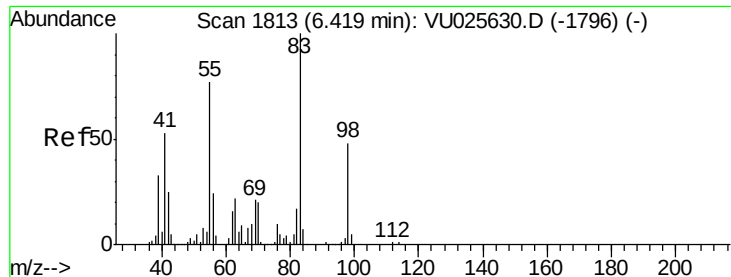
Tot Ion: 43 Resp: 3506
Ion Ratio Lower Upper
43 100
57 7.7 0.0 15.8



#19
Cyclohexane
Concen: 0.228 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

Tgt Ion: 56 Resp: 2931
Ion Ratio Lower Upper
56 100
69 40.8 26.0 39.0#
84 109.2 68.3 102.5#

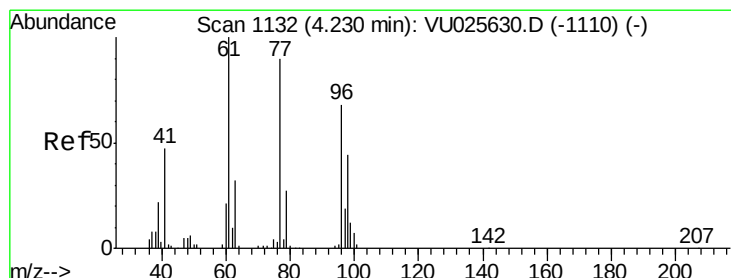
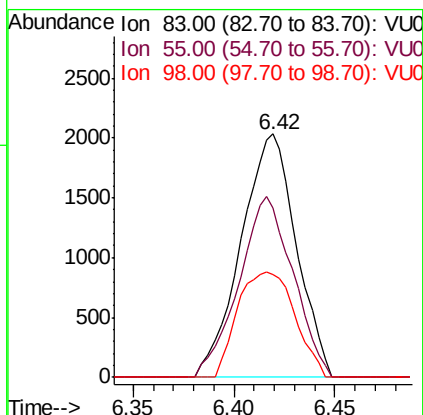
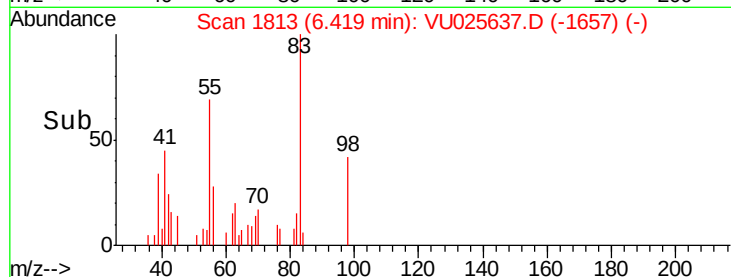
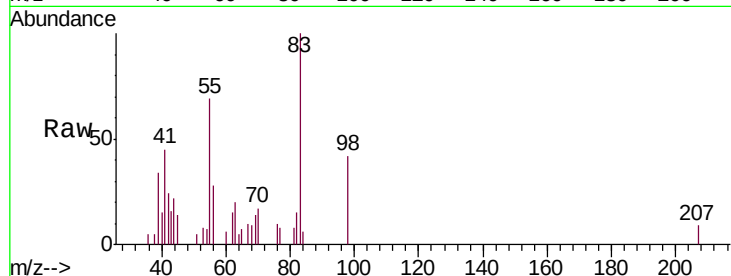




#20
Methylvlcyclohexane
Concen: 0.246 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

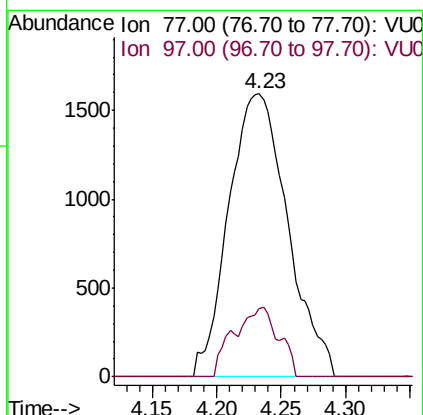
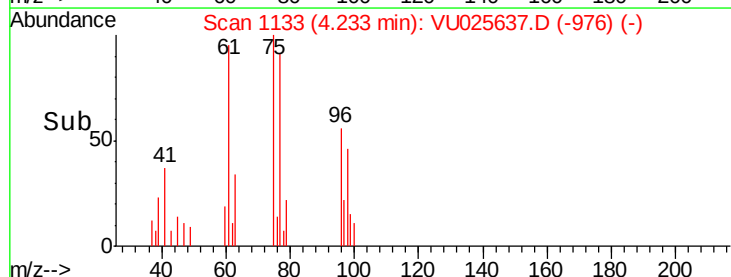
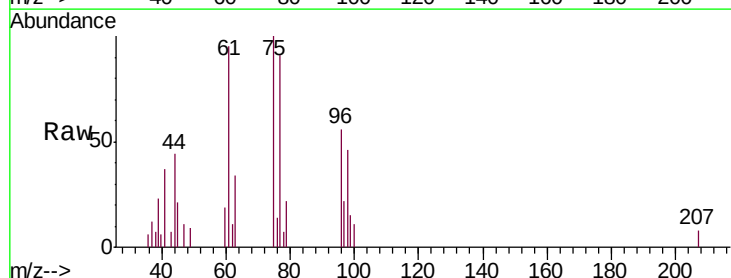
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

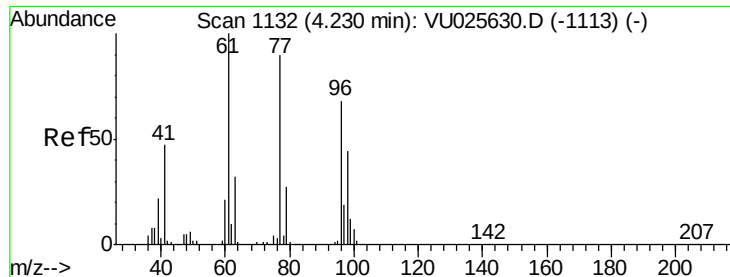
Tot Ion: 83 Resp: 3873
Ion Ratio Lower Upper
83 100
55 72.9 66.4 99.6
98 44.9 35.4 53.2



#21
2,2-Dichloropropane
Concen: 0.320 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

Tgt Ion: 77 Resp: 5077
Ion Ratio Lower Upper
77 100
97 13.8 17.9 26.9#





#22

cis-1,2-Dichloroethene

Concen: 0.237 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

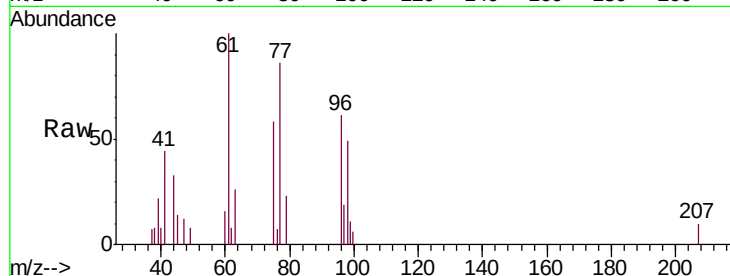
Tot Ion: 96 Resp: 2508

Ion Ratio Lower Upper

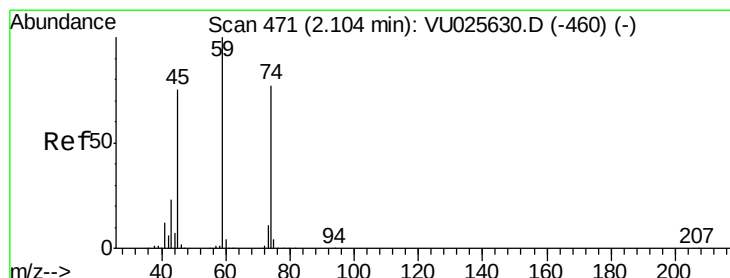
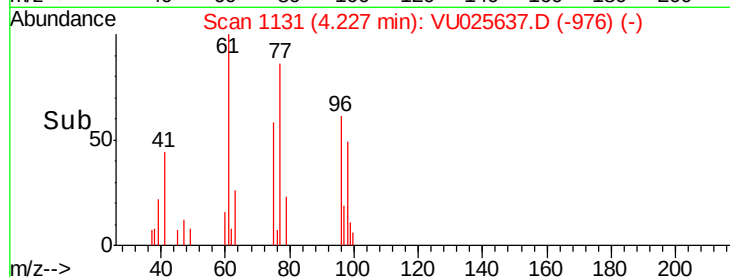
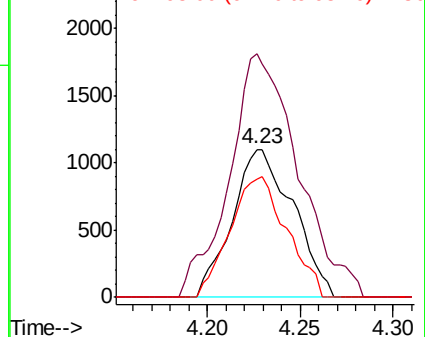
96 100

61 186.8 0.0 400.5

98 76.0 32.2 96.6



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#23

Diethyl Ether

Concen: 0.253 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

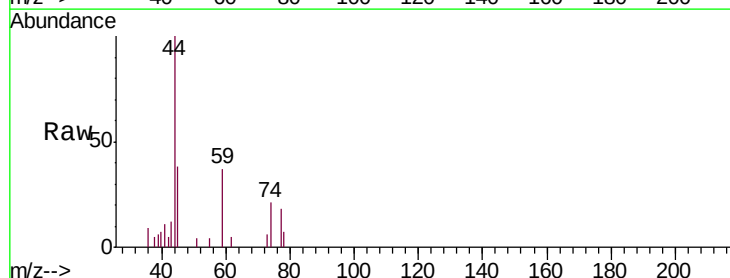
Tgt Ion: 59 Resp: 1435

Ion Ratio Lower Upper

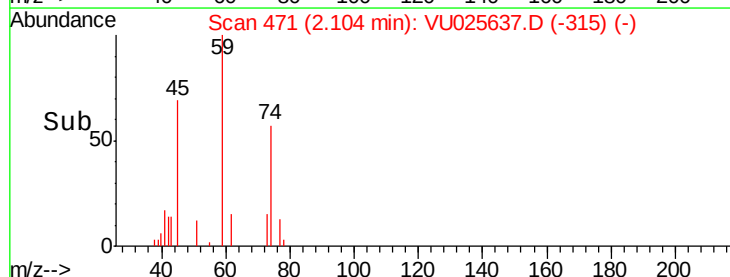
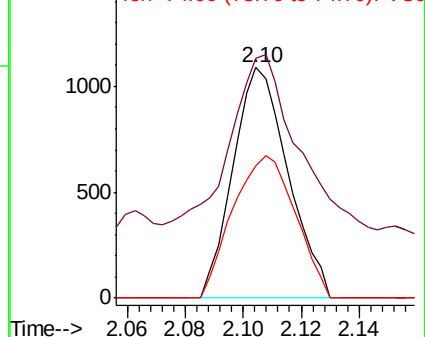
59 100

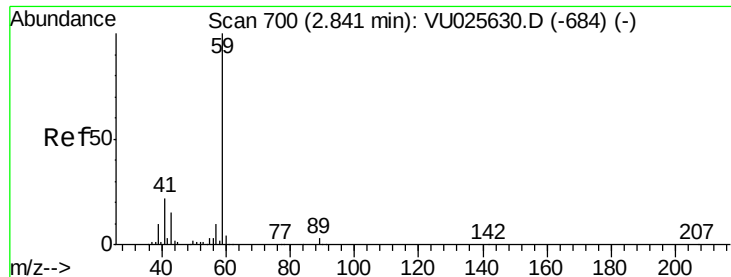
45 90.9 60.0 90.0#

74 70.1 56.5 84.7



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: 3.650 ug/l

RT: 2.86 min Scan# 706

Delta R.T. 0.02 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

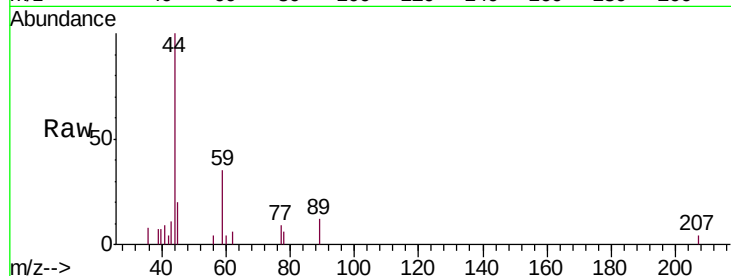
MDL-WATER-03-QT3-2018

Tot Ion: 59 Resp: 2430

Ion Ratio Lower Upper

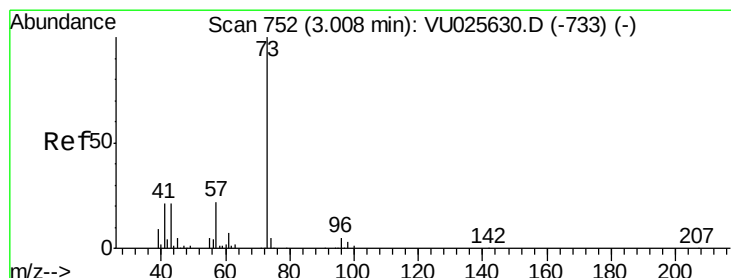
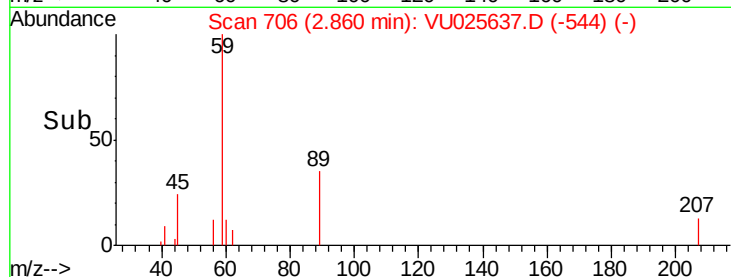
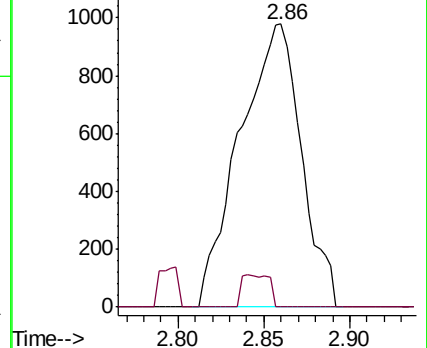
59 100

57 5.1 3.4 5.2



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: 0.244 ug/l

RT: 3.00 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU025637.D

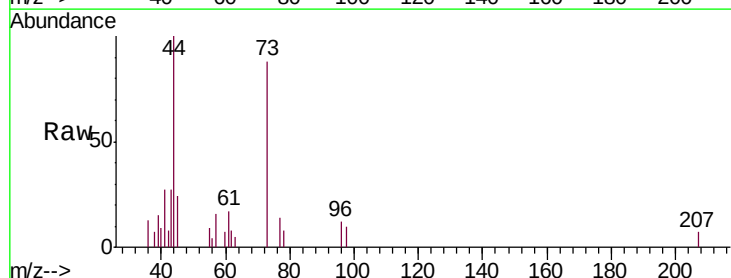
Acq: 25 Jul 2018 17:52

Tgt Ion: 73 Resp: 4947

Ion Ratio Lower Upper

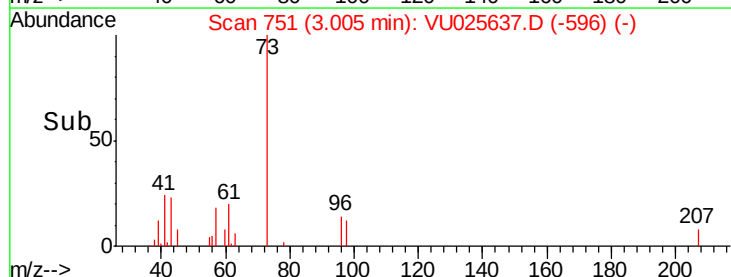
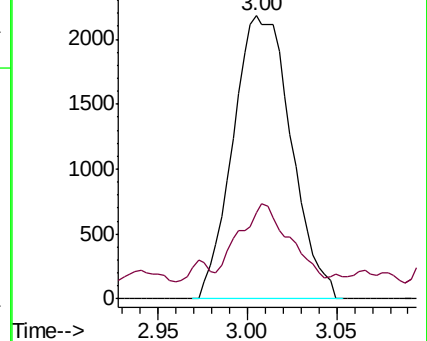
73 100

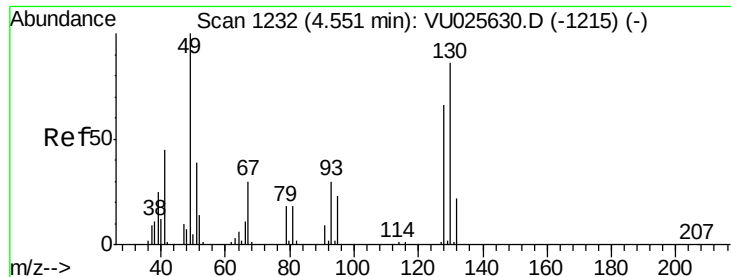
43 22.3 16.2 24.2



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

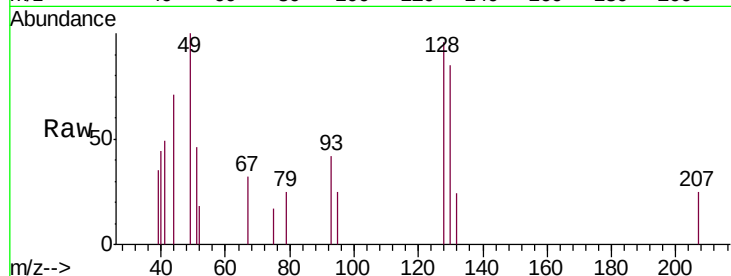




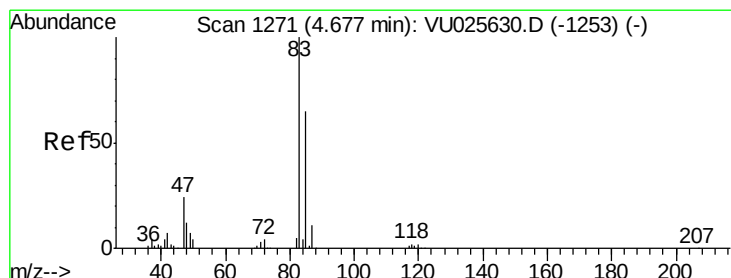
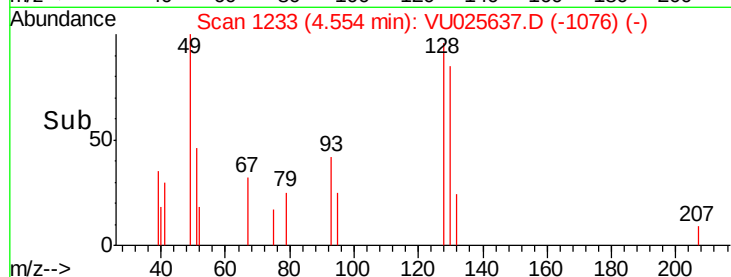
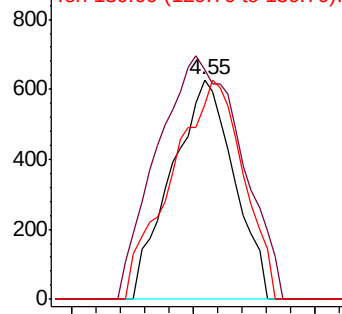
#26
Bromochloromethane
Concen: 0.239 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion:128 Resp: 1113
Ion Ratio Lower Upper
128 100
49 149.1 0.0 375.2
130 114.7 105.8 158.6

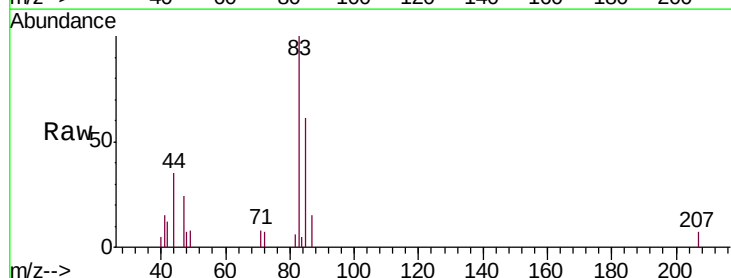


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU0
Ion 130.00 (129.70 to 130.70): V

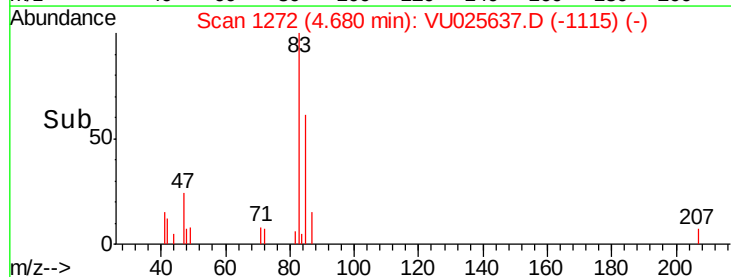
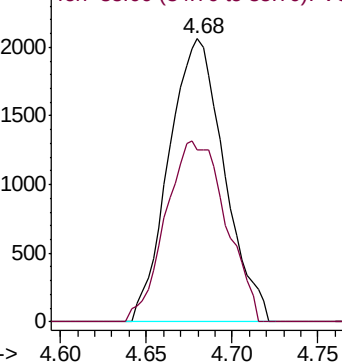


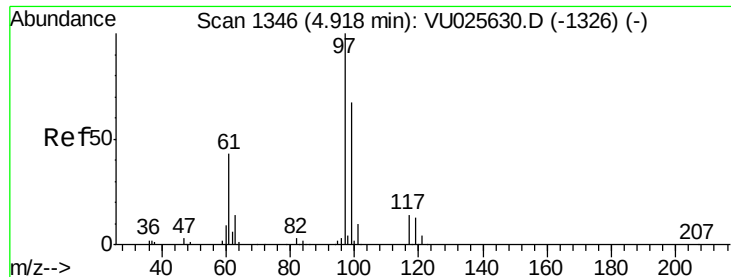
#27
Chloroform
Concen: 0.252 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

Tgt Ion: 83 Resp: 4614
Ion Ratio Lower Upper
83 100
85 61.0 0.0 128.4



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

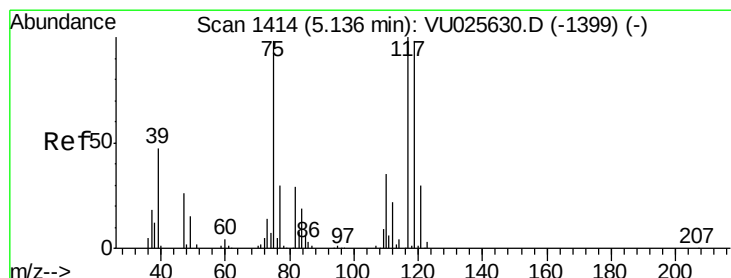
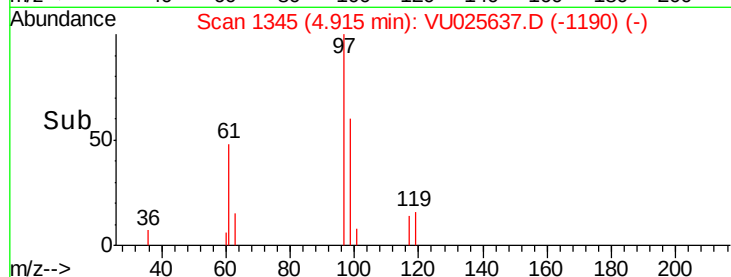
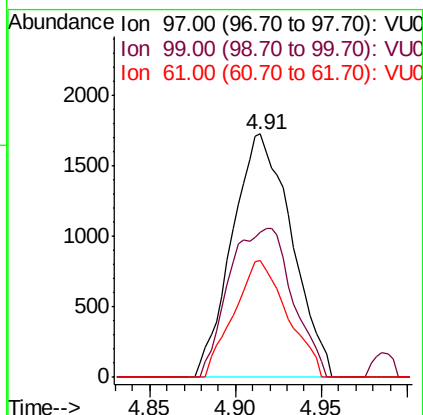
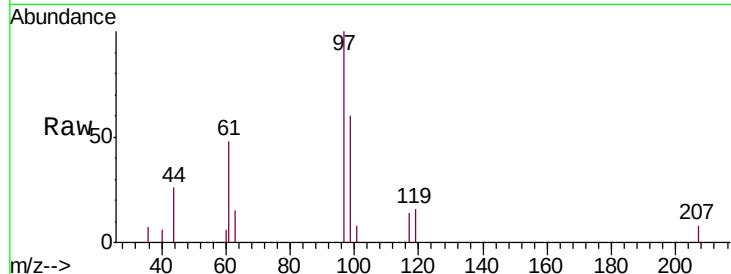




#28
 1,1,1-Trichloroethane
 Concen: 0.251 ug/l
 RT: 4.91 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

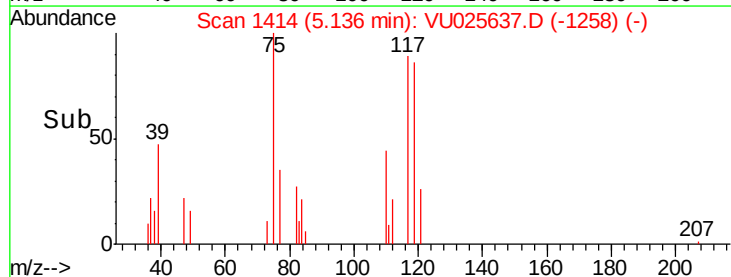
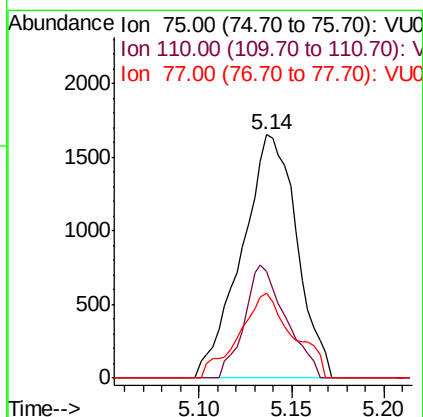
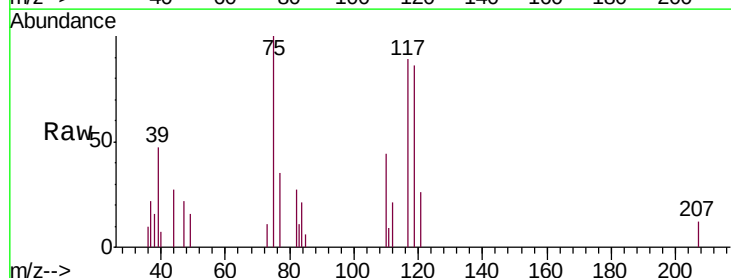
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

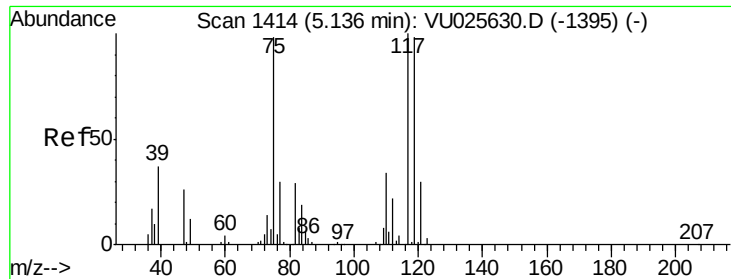
Tot Ion: 97 Resp: 4147
 Ion Ratio Lower Upper
 97 100
 99 65.2 32.3 96.9
 61 43.0 23.2 69.5



#29
 1,1-Dichloropropene
 Concen: 0.253 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

Tgt Ion: 75 Resp: 3419
 Ion Ratio Lower Upper
 75 100
 110 34.8 16.9 50.7
 77 34.0 24.8 37.2





#30

Carbon Tetrachloride

Concen: 0.239 ug/l

RT: 5.14 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

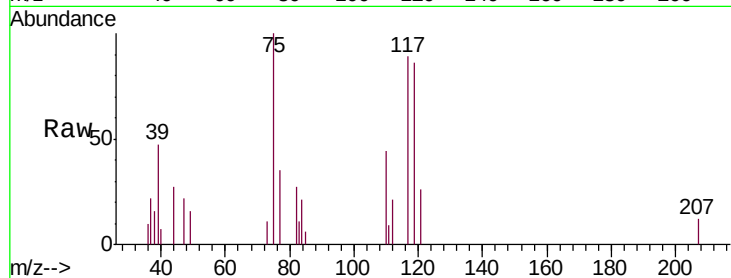
Tot Ion:117 Resp: 3583

Ion Ratio Lower Upper

117 100

119 97.1 77.3 115.9

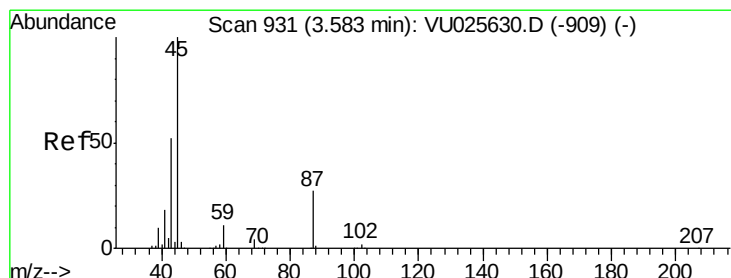
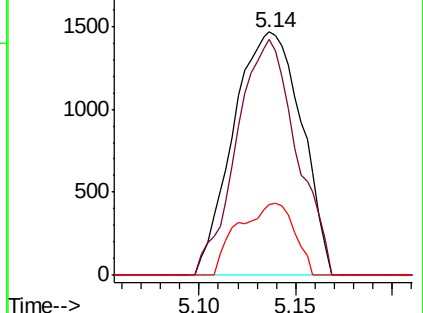
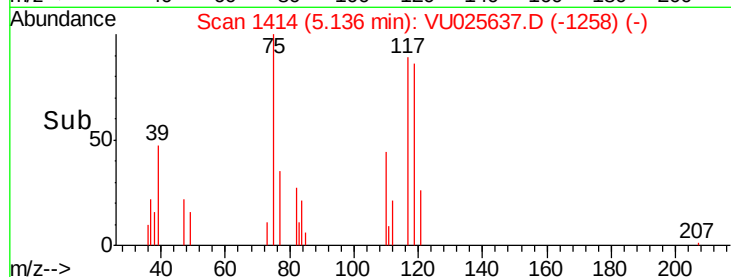
121 29.1 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#31

Isopropyl Ether

Concen: 0.258 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU025637.D

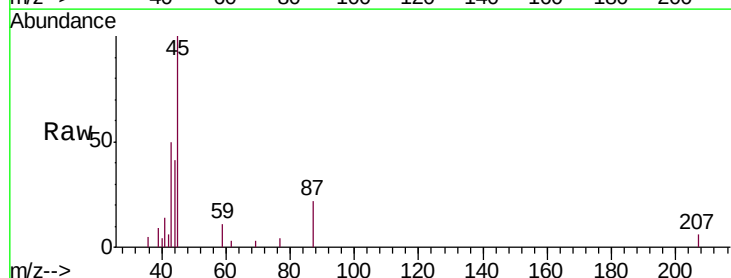
Acq: 25 Jul 2018 17:52

Tgt Ion: 45 Resp: 6874

Ion Ratio Lower Upper

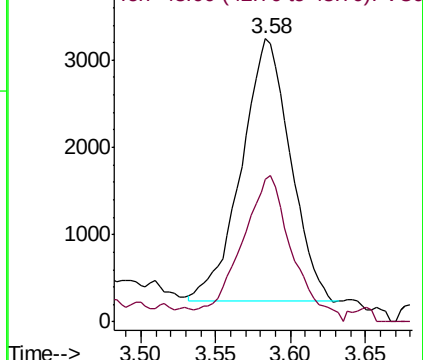
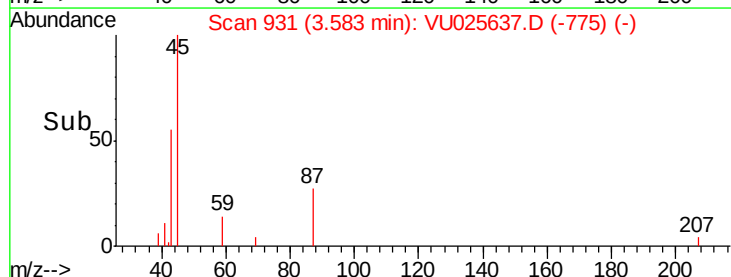
45 100

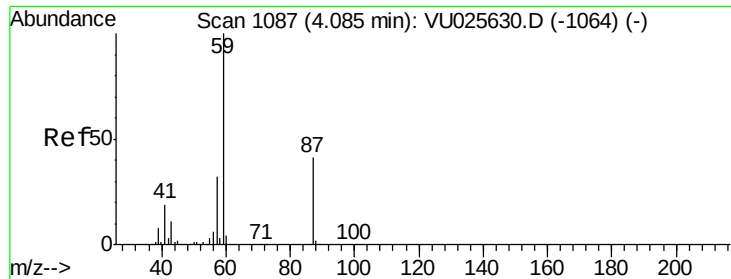
43 58.1 24.0 72.0



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: 0.242 ug/l

RT: 4.09 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

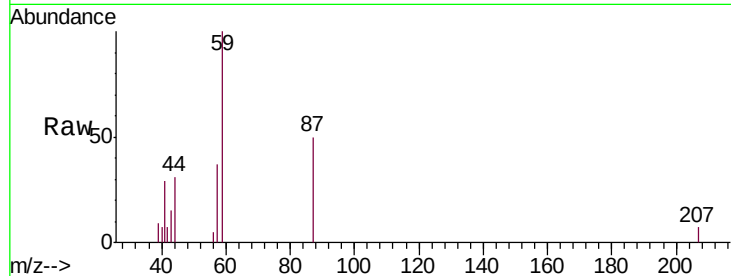
MDL-WATER-03-QT3-2018

Tot Ion: 59 Resp: 6131

Ion Ratio Lower Upper

59 100

87 41.2 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

2500

2000

1500

1000

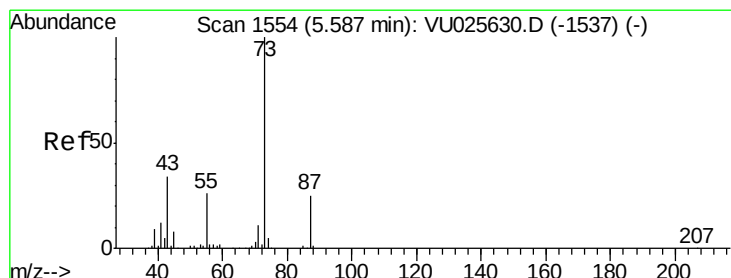
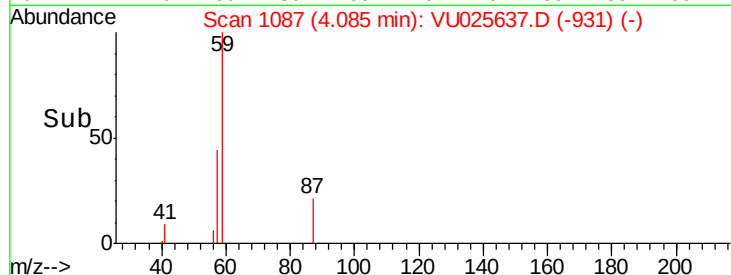
500

0

4.09

4.05 4.10 4.15

Time-->



#33

Tert-Amyl methyl ether

Concen: 0.225 ug/l

RT: 5.59 min Scan# 1555

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

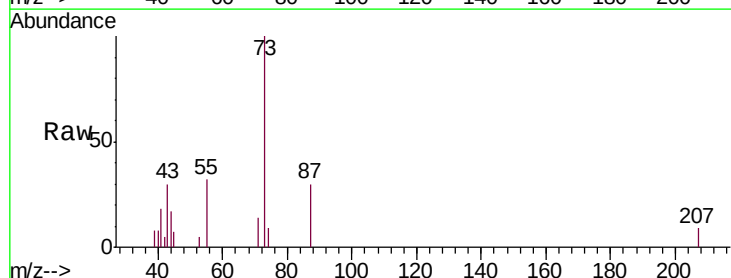
Tgt Ion: 73 Resp: 5031

Ion Ratio Lower Upper

73 100

87 26.3 18.6 28.0

71 10.3 9.3 13.9



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

3000

2500

2000

1500

1000

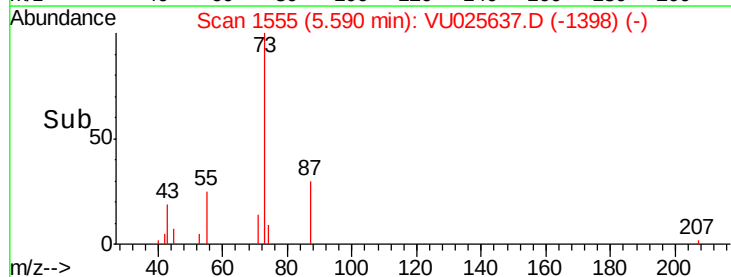
500

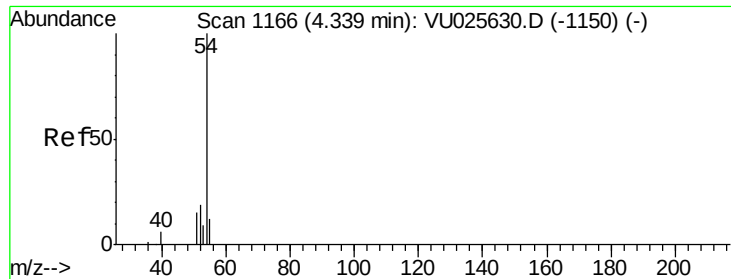
0

5.59

5.55 5.60 5.65

Time-->

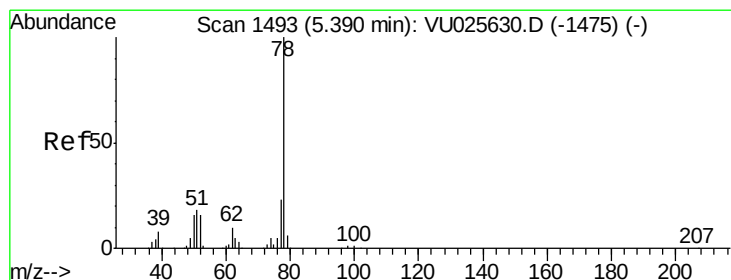
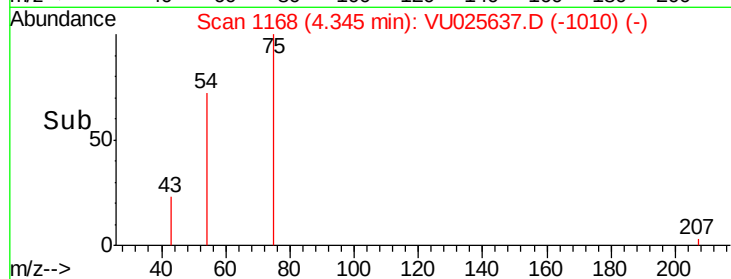
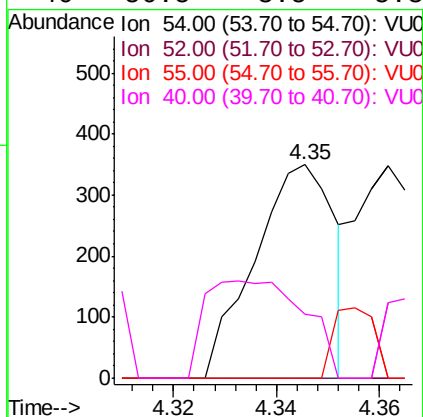
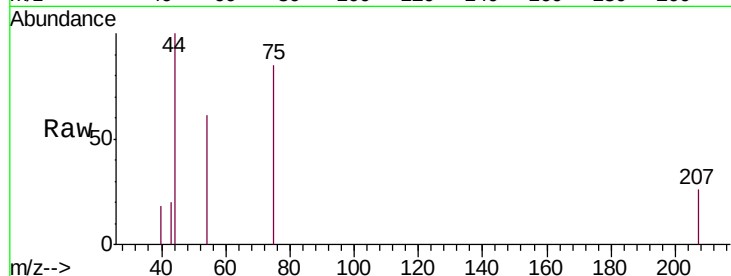




#34
 Propionitrile
 Concen: 0.542 ug/l
 RT: 4.35 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

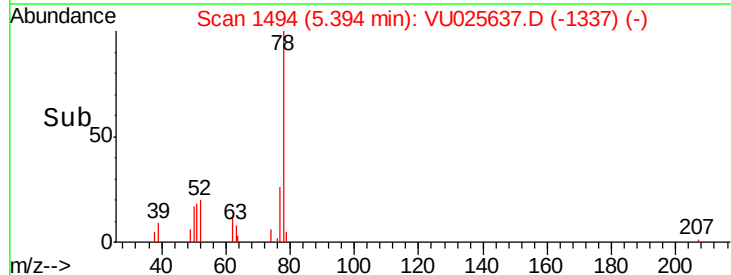
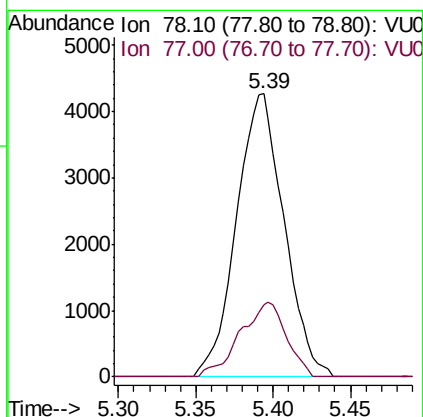
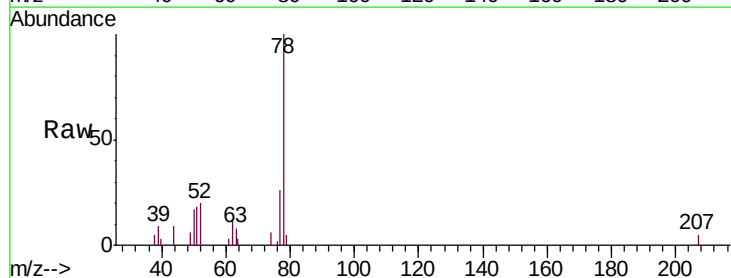
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

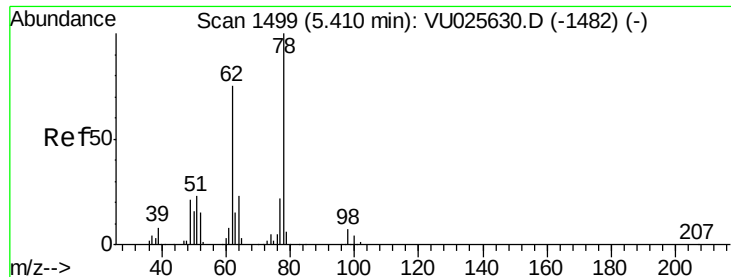
Tot Ion:	54	Resp:	375
Ion	Ratio	Lower	Upper
54	100		
52	0.0	13.7	20.5#
55	0.0	10.2	15.2#
40	56.5	3.5	5.3#



#35
 Benzene
 Concen: 0.241 ug/l
 RT: 5.39 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

Tgt Ion:	78	Resp:	9119
Ion	Ratio	Lower	Upper
78	100		
77	25.7	19.1	28.7

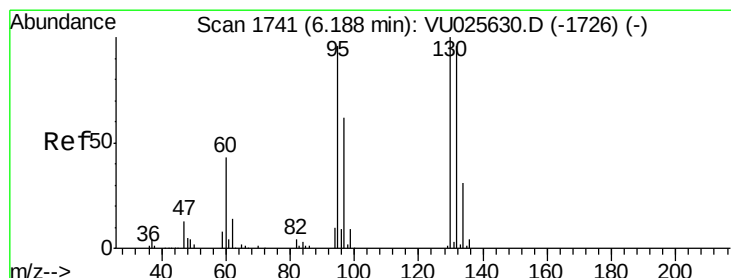
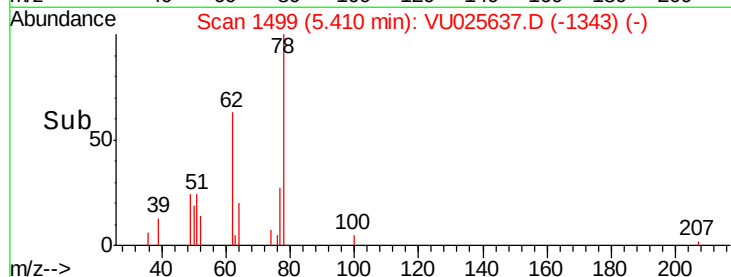
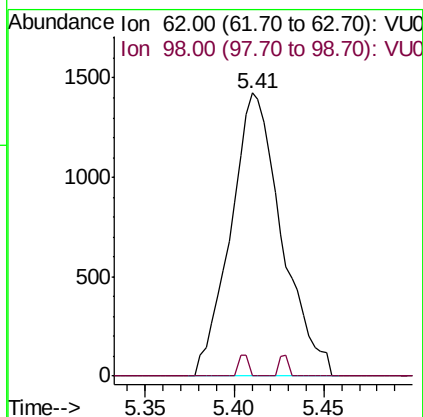
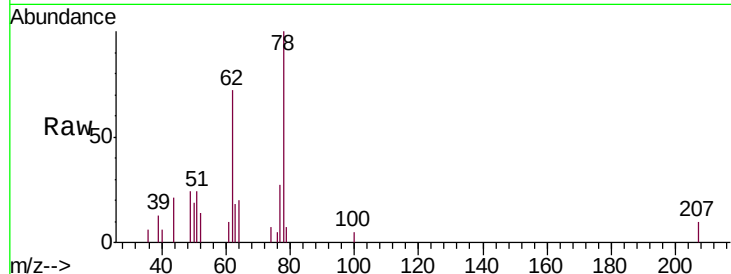




#36
 1,2-Dichloroethane
 Concen: 0.244 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

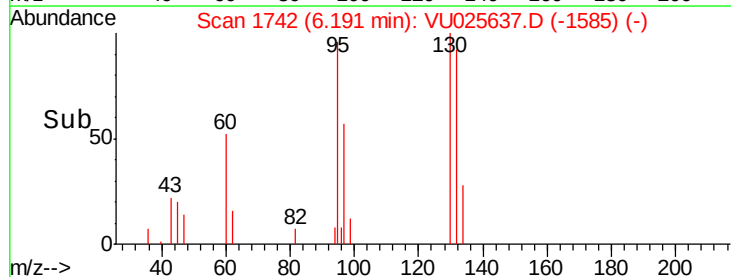
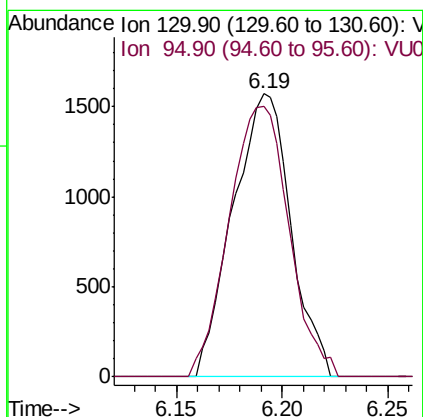
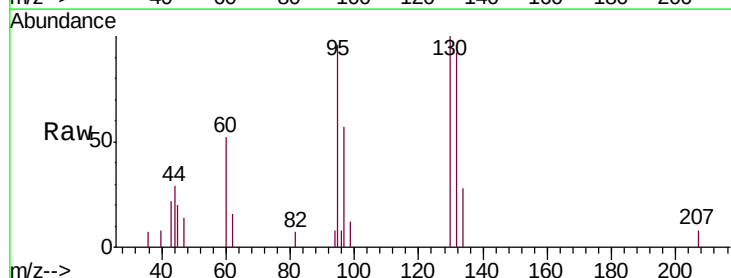
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

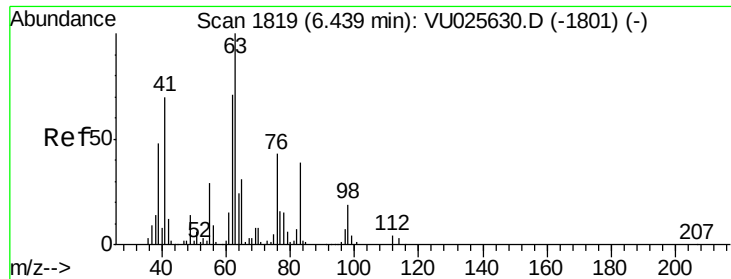
Tot Ion: 62 Resp: 2829
 Ion Ratio Lower Upper
 62 100
 98 1.4 7.2 10.8#



#37
 Trichloroethene
 Concen: 0.269 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

Tgt Ion:130 Resp: 3000
 Ion Ratio Lower Upper
 130 100
 95 95.5 77.9 116.9





#38

1,2-Dichloropropane

Concen: 0.248 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

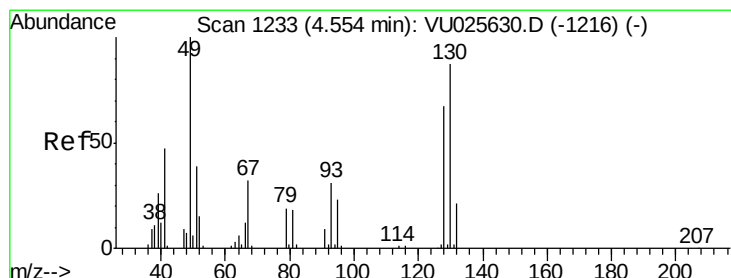
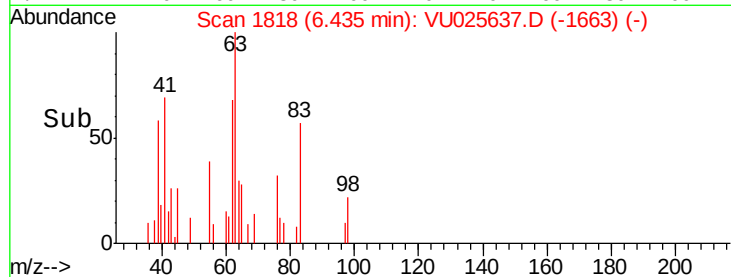
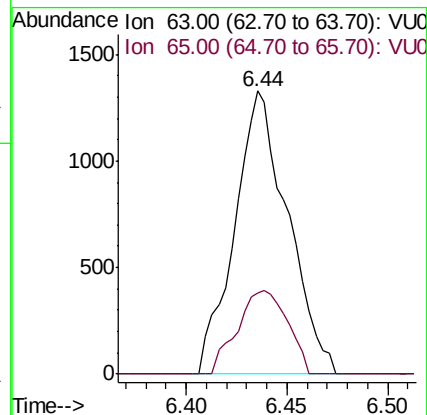
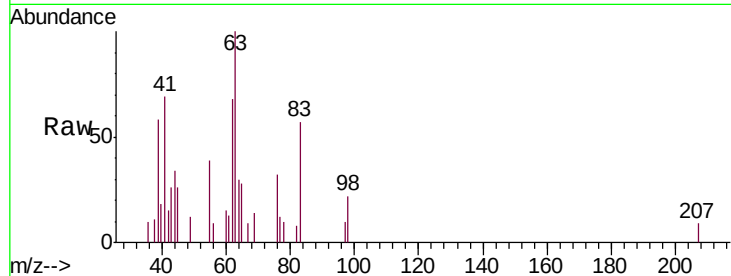
MDL-WATER-03-QT3-2018

Tot Ion: 63 Resp: 2437

Ion Ratio Lower Upper

63 100

65 28.5 25.8 38.8



#39

Methacrylonitrile

Concen: 0.223 ug/l

RT: 4.56 min Scan# 1235

Delta R.T. 0.01 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Tgt Ion: 41 Resp: 709

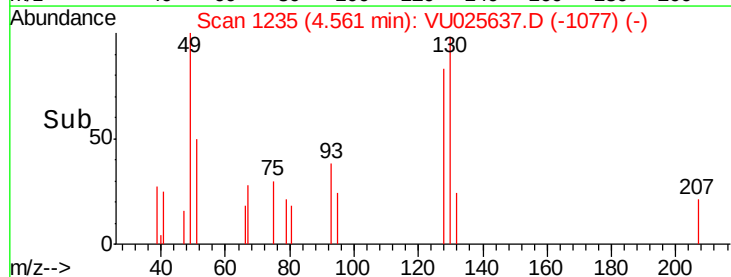
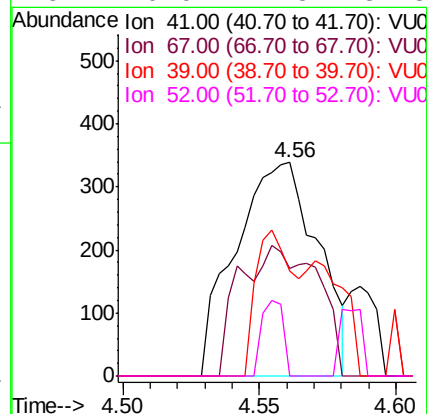
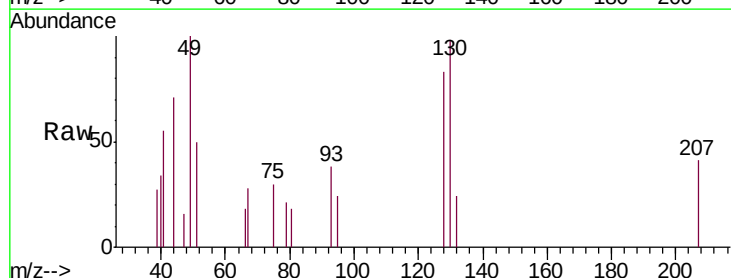
Ion Ratio Lower Upper

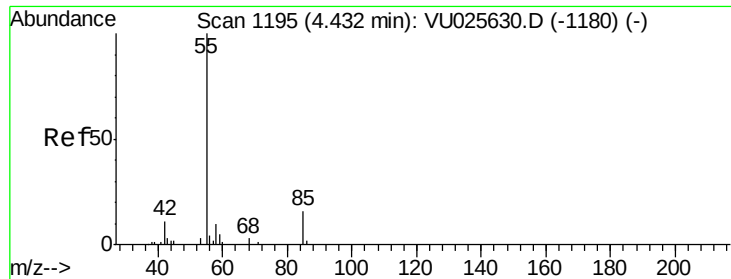
41 100

67 58.1 51.3 76.9

39 30.5 40.6 60.8#

52 9.0 21.5 32.3#

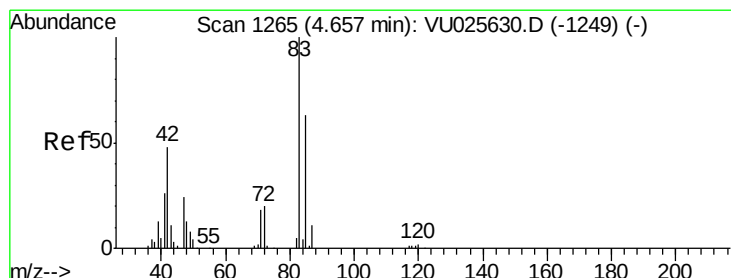
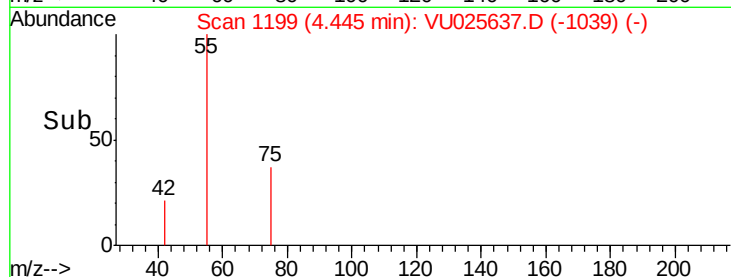
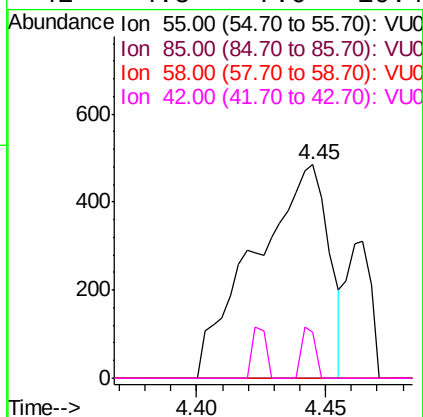
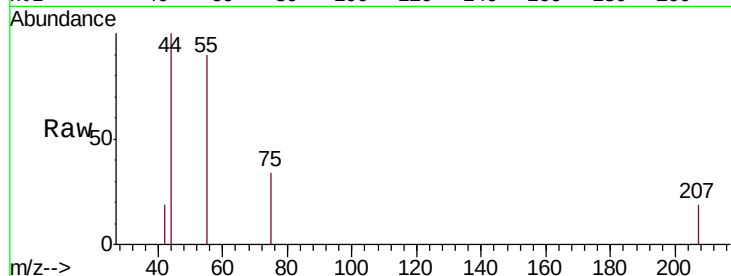




#40
Methvl acrylate
Concen: 0.201 ug/l
RT: 4.45 min Scan# 1199
Delta R.T. 0.01 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

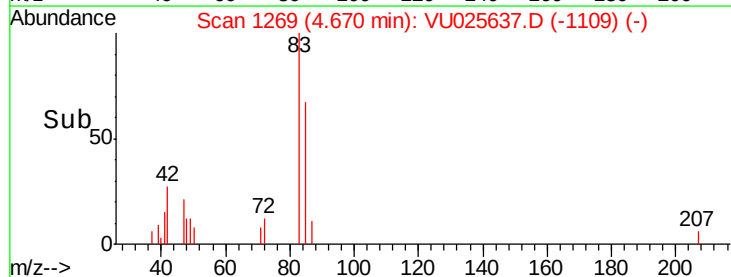
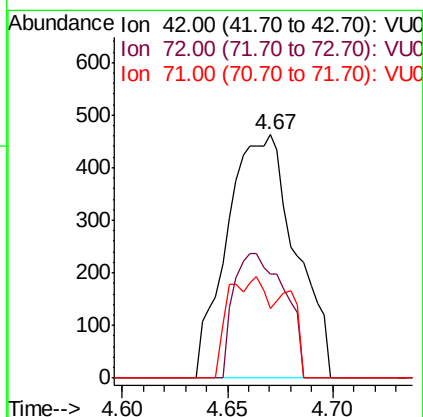
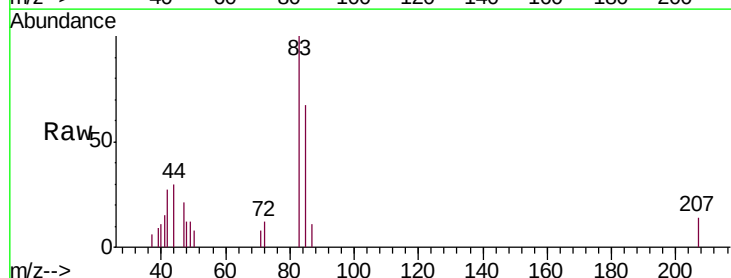
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

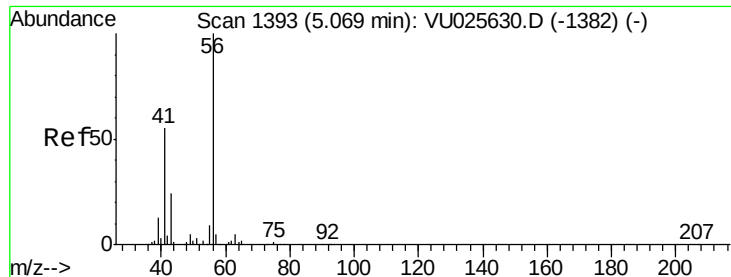
Tot Ion:	55	Resp:	963
Ion	Ratio	Lower	Upper
55	100		
85	0.0	12.3	18.5#
58	0.0	7.0	10.6#
42	4.5	7.0	10.4#



#41
Tetrahydrofuran
Concen: 0.554 ug/l
RT: 4.67 min Scan# 1269
Delta R.T. 0.01 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

Tgt Ion:	42	Resp:	1042
Ion	Ratio	Lower	Upper
42	100		
72	38.2	33.2	49.8
71	11.5	29.8	44.8#





#42

1-Chlorobutane

Concen: 0.238 ug/l

RT: 5.07 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

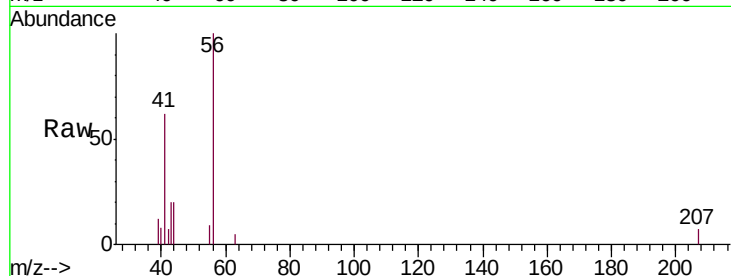
MDL-WATER-03-QT3-2018

Tot Ion: 56 Resp: 4395

Ion Ratio Lower Upper

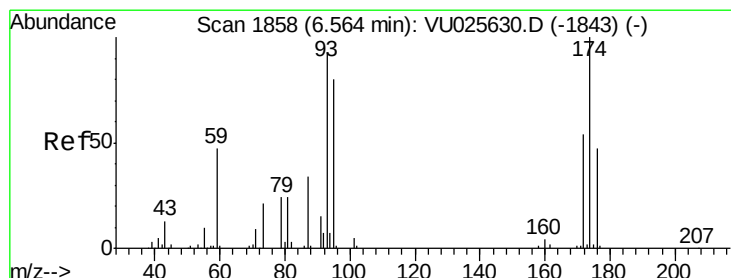
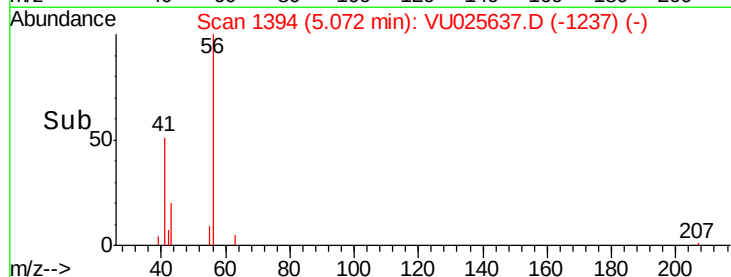
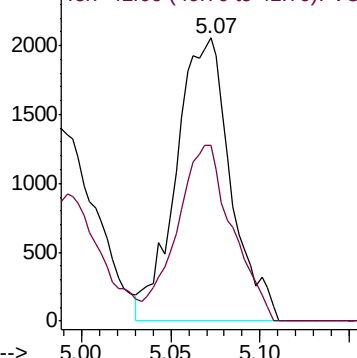
56 100

41 62.9 27.5 82.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0



#43

Dibromomethane

Concen: 0.248 ug/l

RT: 6.57 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

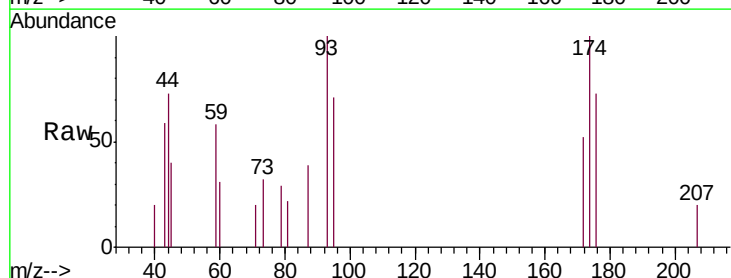
Tgt Ion: 93 Resp: 1271

Ion Ratio Lower Upper

93 100

95 66.7 67.2 100.8#

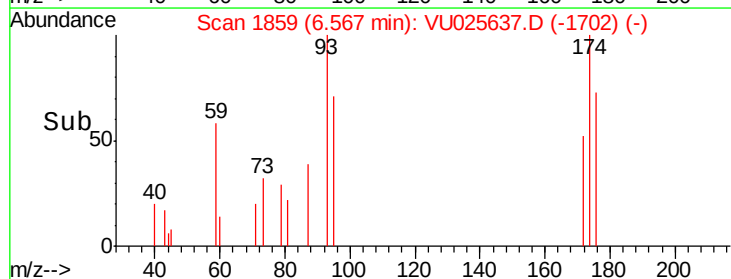
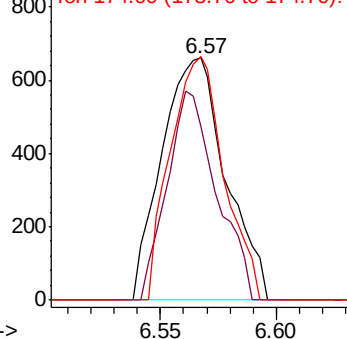
174 84.3 82.8 124.2

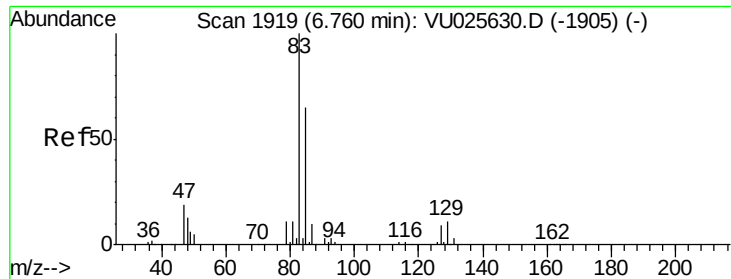


Abundance Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V

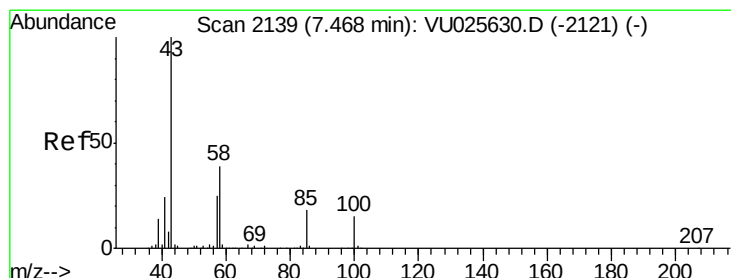
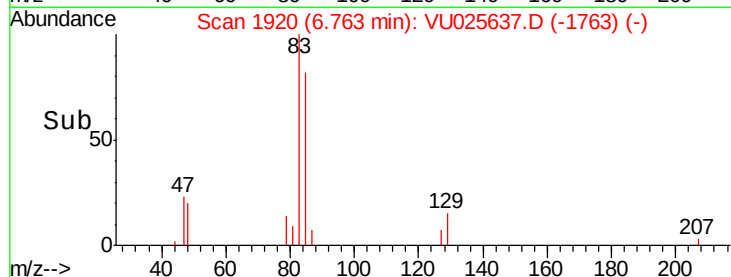
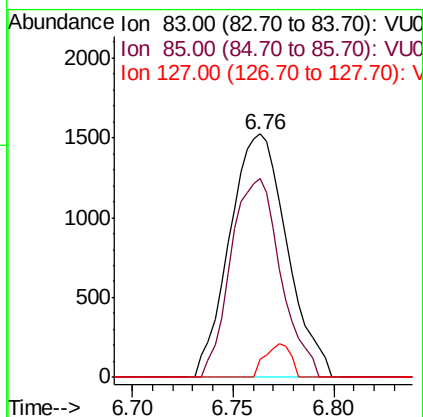
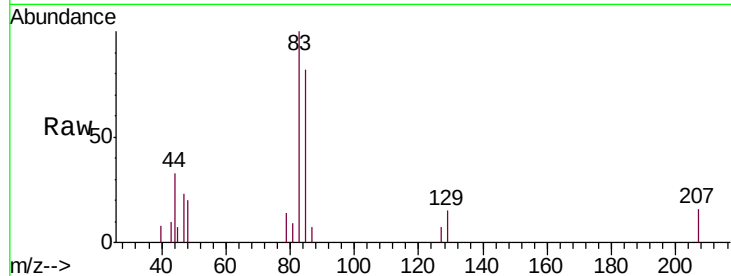




#44
Bromodichloromethane
Concen: 0.233 ug/l
RT: 6.76 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

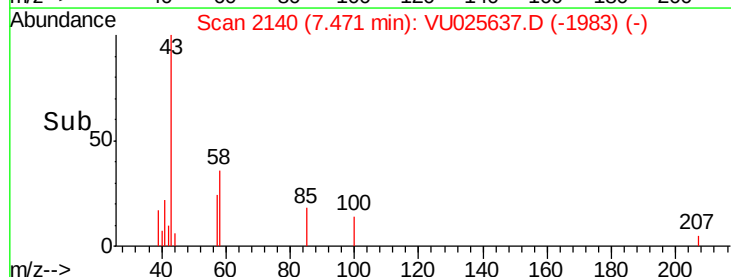
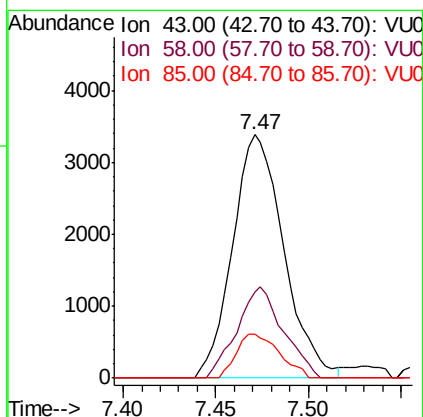
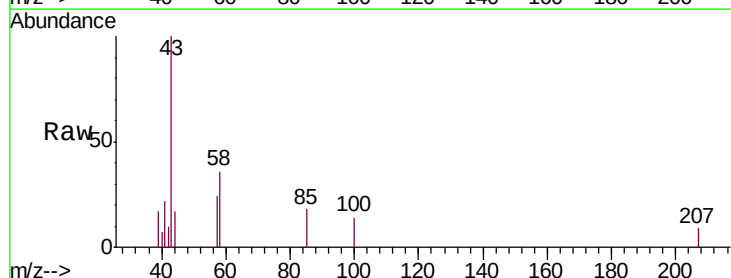
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

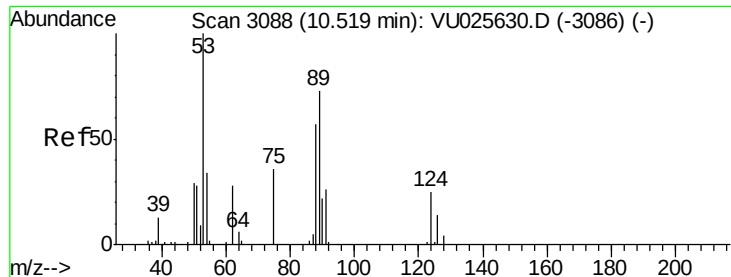
Tot Ion: 83 Resp: 3027
Ion Ratio Lower Upper
83 100
85 81.9 52.2 78.4#
127 7.4 7.0 10.4



#45
4-Methyl-2-Pentanone
Concen: 1.136 ug/l
RT: 7.47 min Scan# 2140
Delta R.T. 0.00 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

Tgt Ion: 43 Resp: 6486
Ion Ratio Lower Upper
43 100
58 33.7 18.8 56.4
85 15.1 12.6 19.0

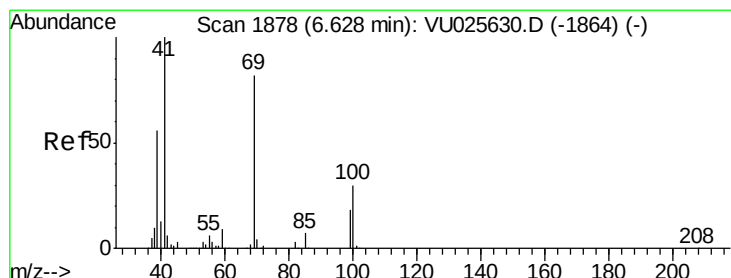
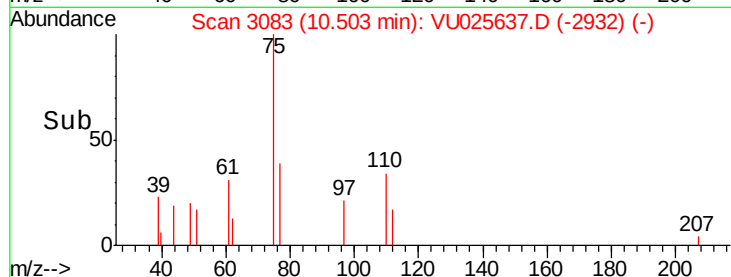
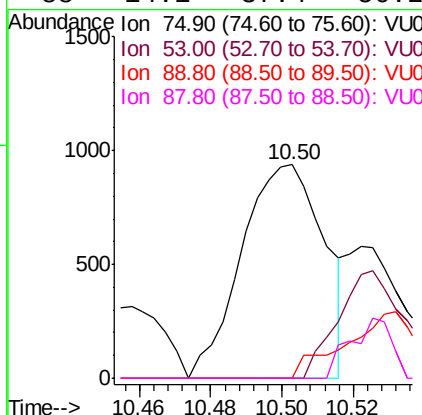
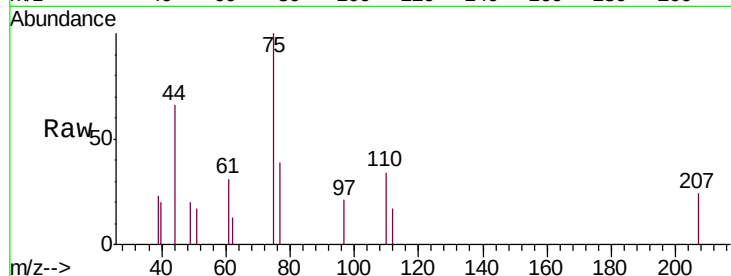




#46
t-1,4-Dichloro-2-butene
Concen: 2.069 ug/l
RT: 10.50 min Scan# 3083
Delta R.T. -0.02 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

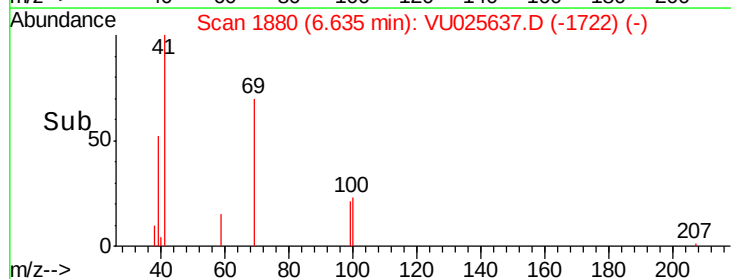
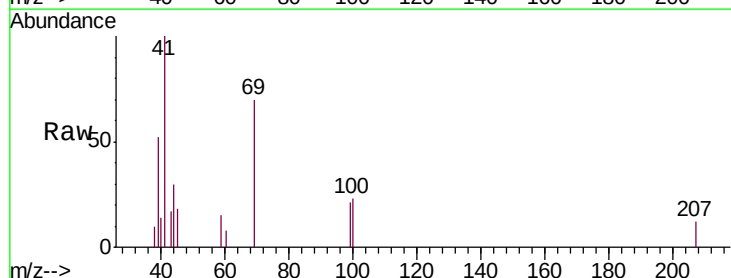
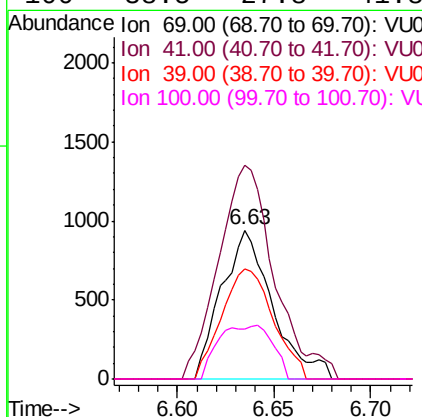
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

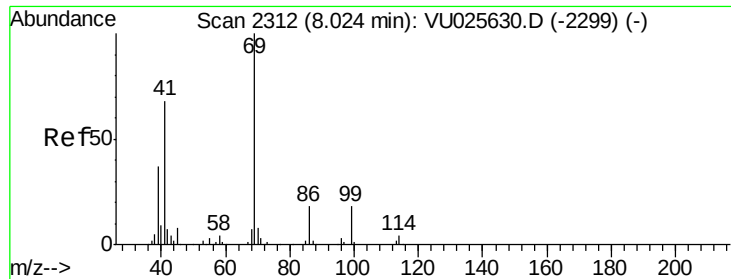
Tot Ion: 75 Resp: 1496
Ion Ratio Lower Upper
75 100
53 39.7 82.2 123.4#
89 26.5 51.3 76.9#
88 14.1 37.4 56.2#



#47
Methyl methacrylate
Concen: 0.403 ug/l
RT: 6.63 min Scan# 1880
Delta R.T. 0.01 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

Tgt Ion: 69 Resp: 1724
Ion Ratio Lower Upper
69 100
41 157.4 0.0 245.4
39 74.5 49.0 73.4#
100 38.5 27.8 41.8

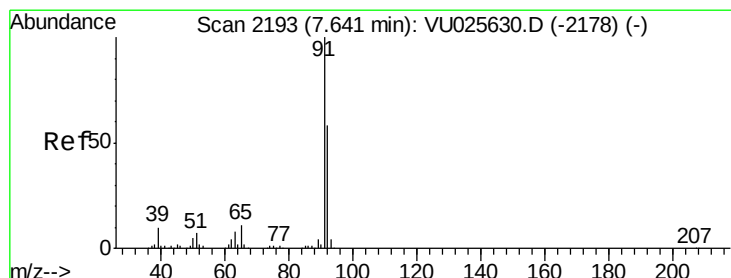
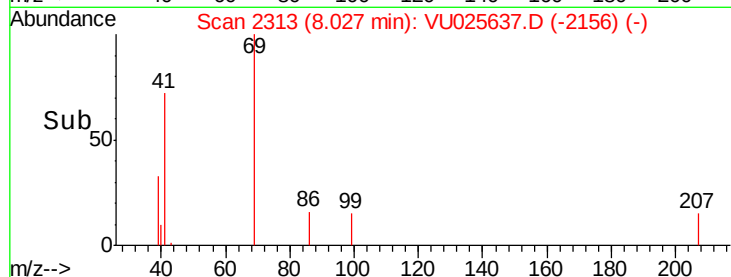
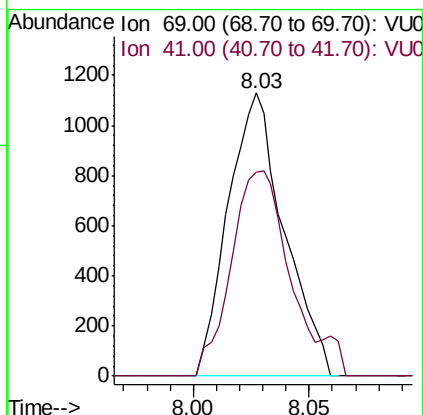
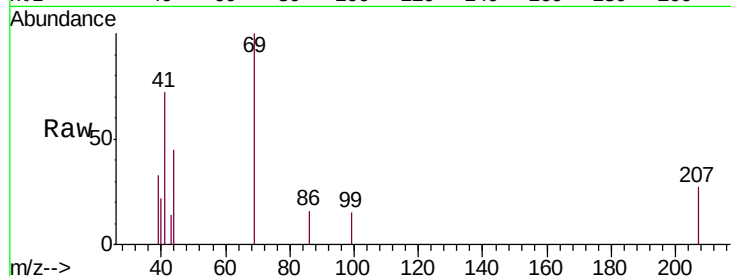




#48
Ethyl methacrylate
Concen: 0.220 ug/l
RT: 8.03 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

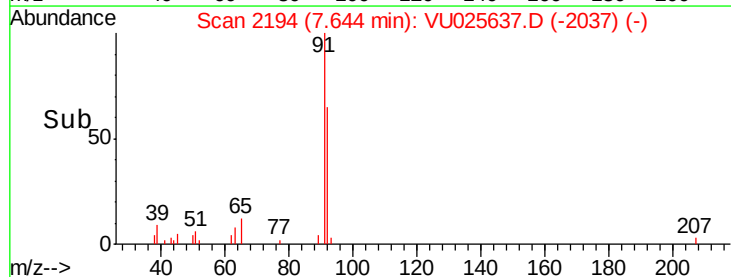
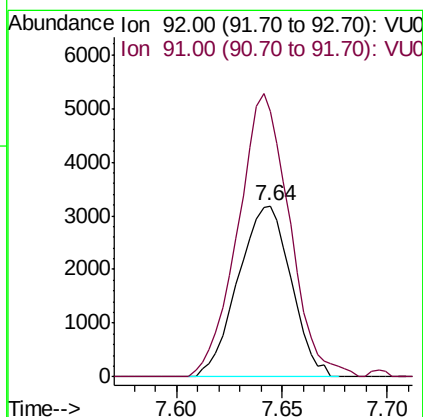
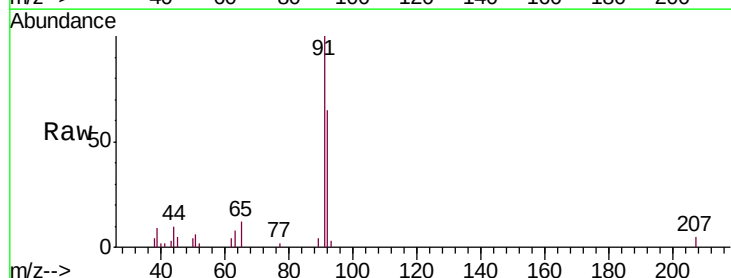
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

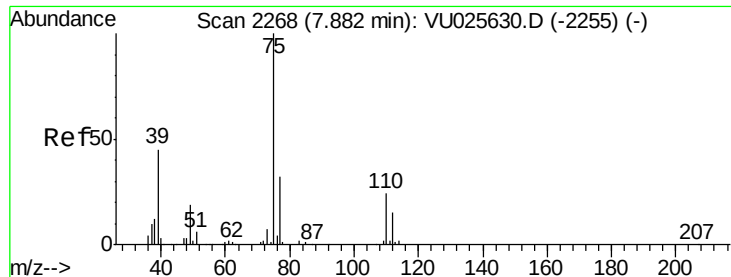
Tot Ion: 69 Resp: 1897
Ion Ratio Lower Upper
69 100
41 77.3 34.2 102.5



#49
Toluene
Concen: 0.240 ug/l
RT: 7.64 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

Tgt Ion: 92 Resp: 5553
Ion Ratio Lower Upper
92 100
91 161.7 137.1 205.7

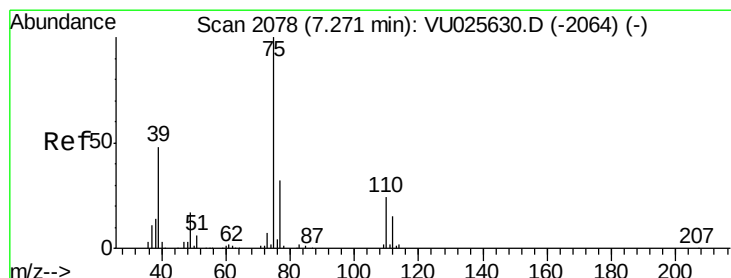
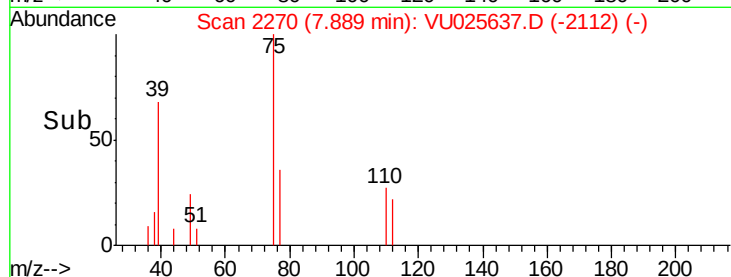
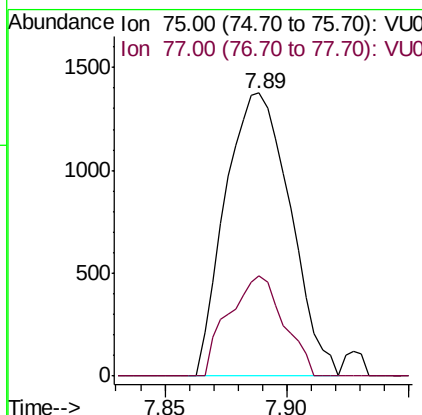
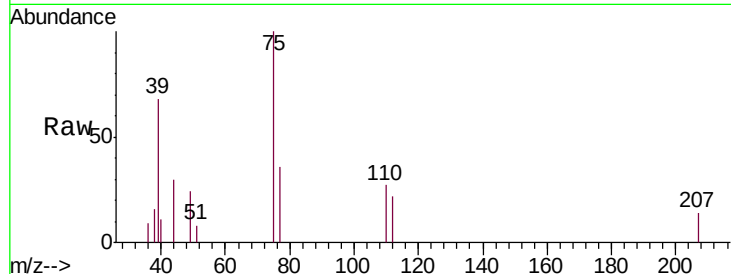




#50
t-1,3-Dichloropropene
Concen: 0.217 ug/l
RT: 7.89 min Scan# 2270
Delta R.T. 0.01 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

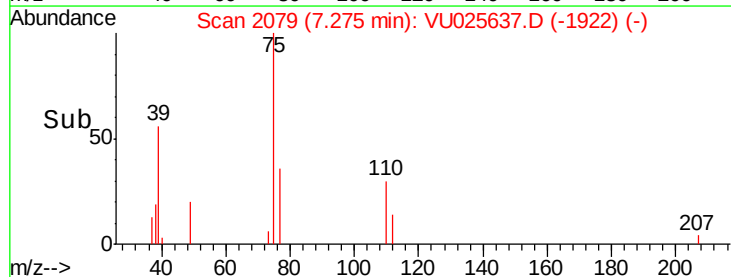
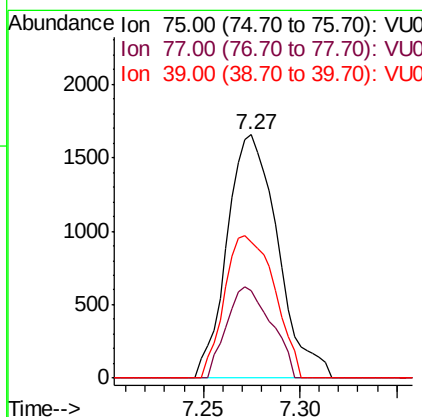
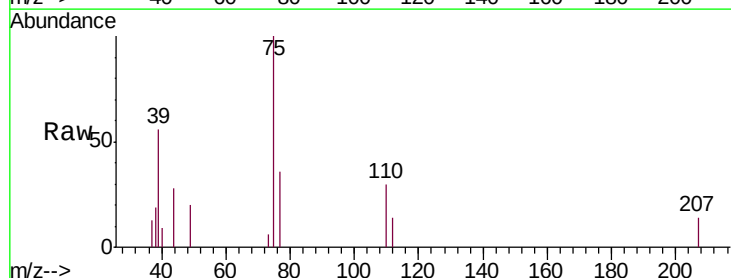
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

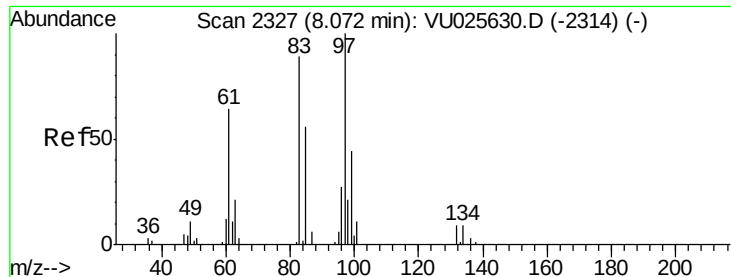
Tot Ion: 75 Resp: 2544
Ion Ratio Lower Upper
75 100
77 35.6 25.2 37.8



#51
cis-1,3-Dichloropropene
Concen: 0.215 ug/l
RT: 7.27 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

Tgt Ion: 75 Resp: 3018
Ion Ratio Lower Upper
75 100
77 36.0 25.2 37.8
39 55.9 36.4 54.6#

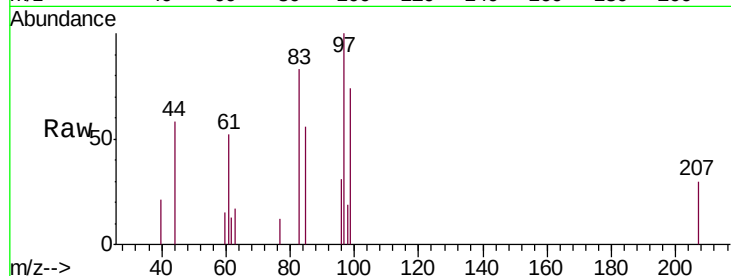




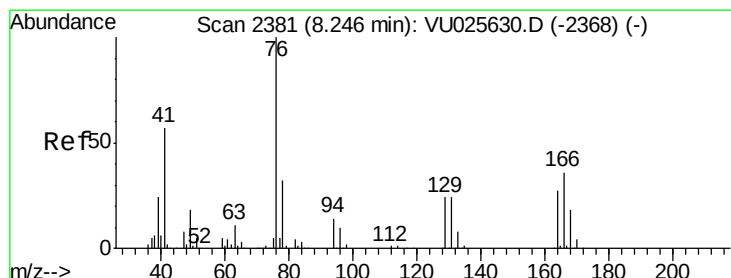
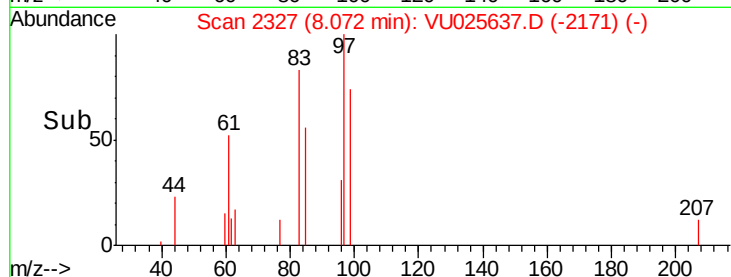
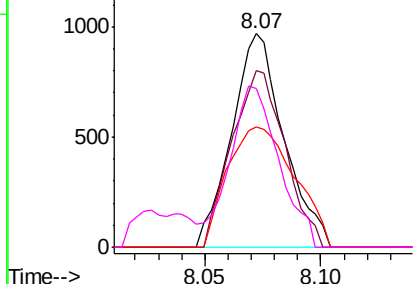
#52
 1,1,2-Trichloroethane
 Concen: 0.221 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion: 97 Resp: 1517
 Ion Ratio Lower Upper
 97 100
 83 83.0 72.6 109.0
 85 56.4 47.2 70.8
 99 74.2 50.8 76.2

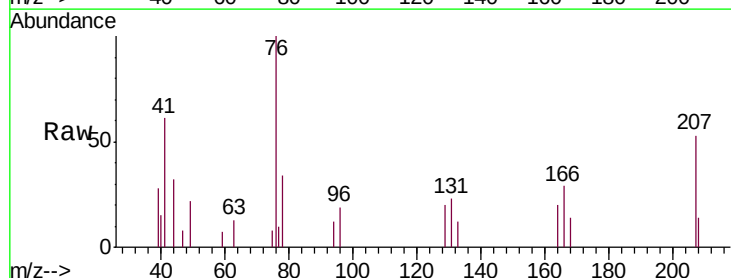


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0

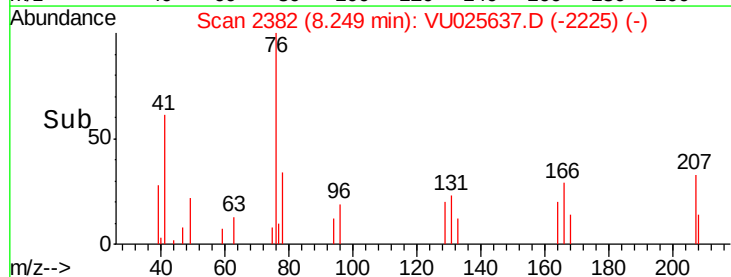
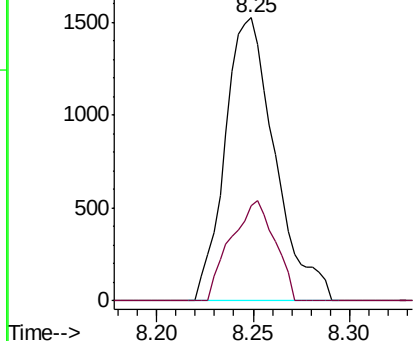


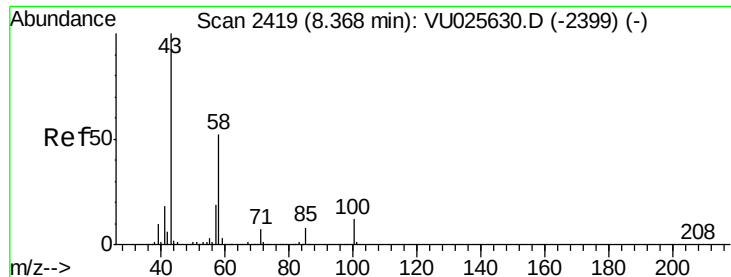
#53
 1,3-Dichloropropane
 Concen: 0.236 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

Tgt Ion: 76 Resp: 2738
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.7 38.5



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

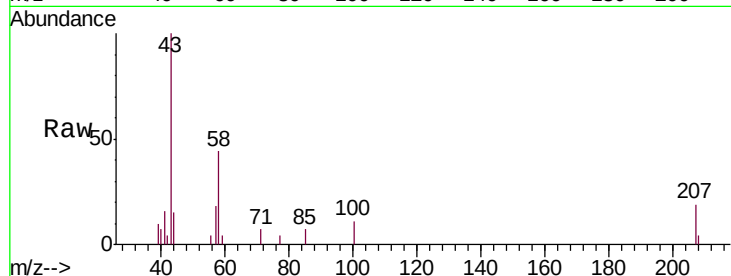




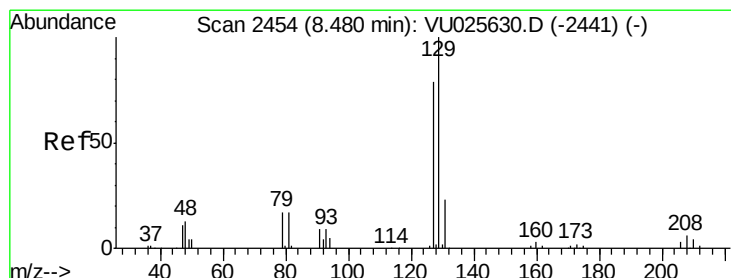
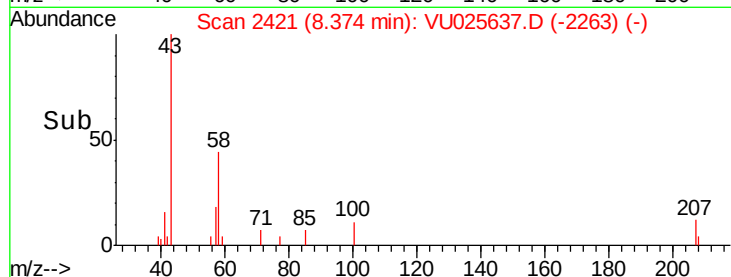
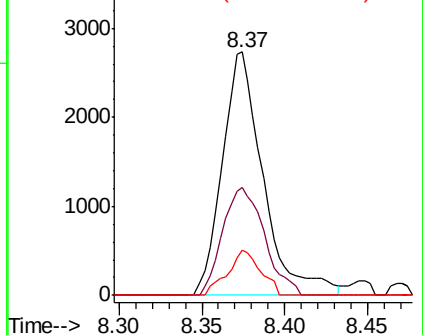
#54
2-Hexanone
Concen: 1.162 ug/l
RT: 8.37 min Scan# 2421
Delta R.T. 0.01 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion: 43 Resp: 4686
Ion Ratio Lower Upper
43 100
58 45.0 32.5 72.5
57 15.0 0.0 37.9

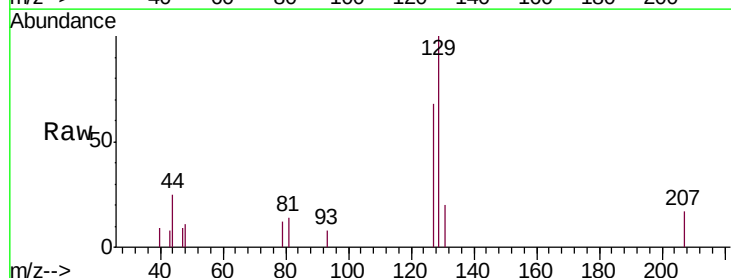


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

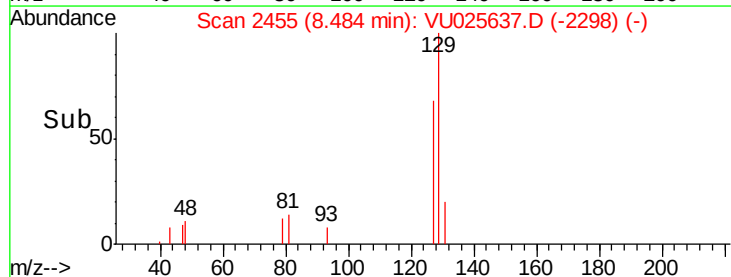
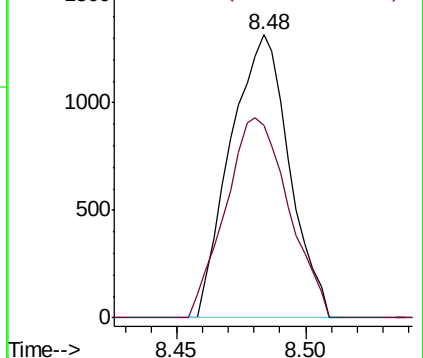


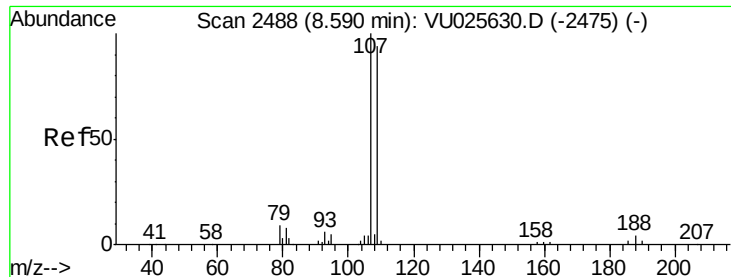
#55
Dibromochloromethane
Concen: 0.239 ug/l
RT: 8.48 min Scan# 2455
Delta R.T. 0.00 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

Tgt Ion: 129 Resp: 2083
Ion Ratio Lower Upper
129 100
127 76.1 61.1 91.7



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

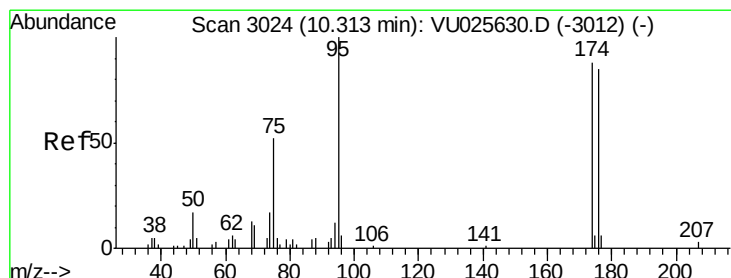
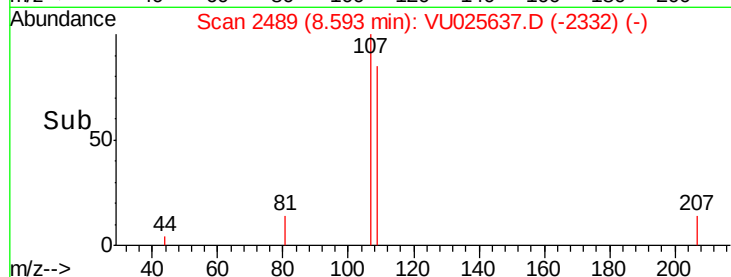
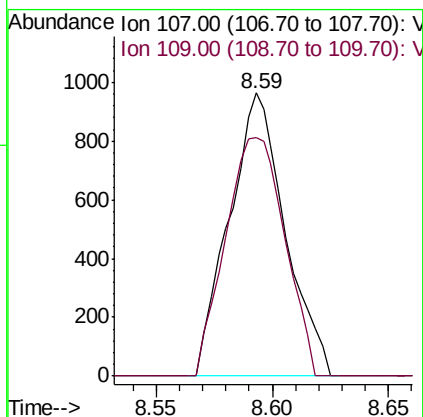
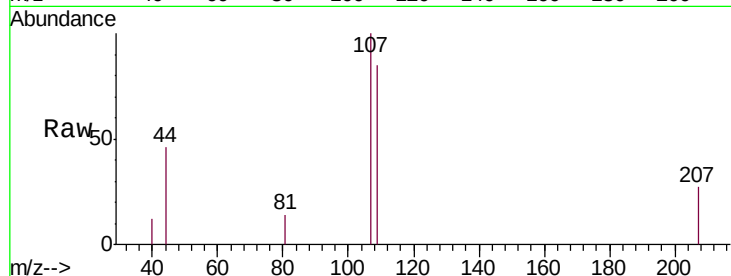




#56
 1,2-Dibromoethane
 Concen: 0.244 ug/l
 RT: 8.59 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

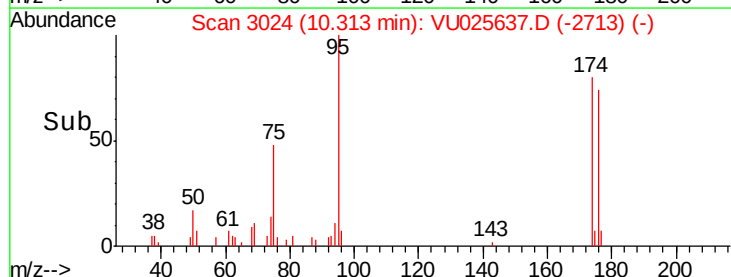
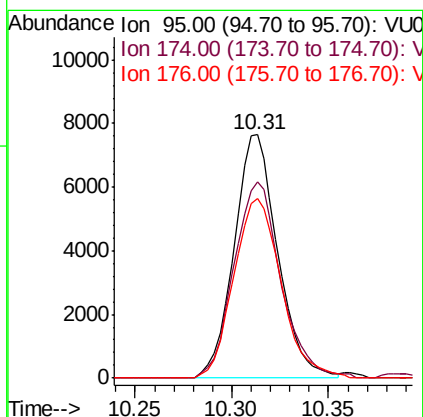
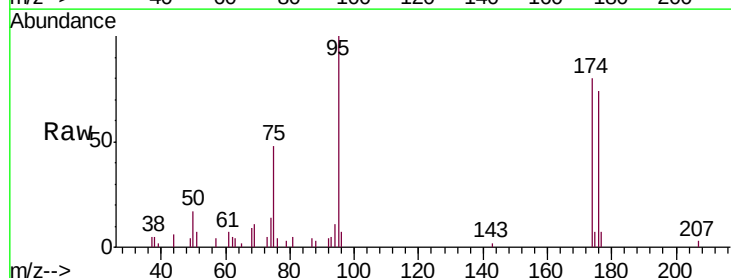
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

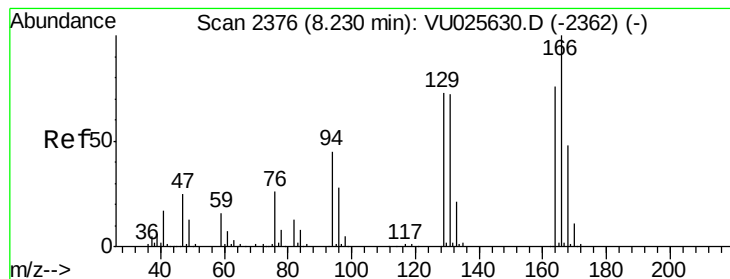
Tot Ion:107 Resp: 1618
 Ion Ratio Lower Upper
 107 100
 109 88.9 0.0 189.0



#57
 4-Bromofluorobenzene
 Concen: 0.244 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

Tgt Ion: 95 Resp: 11967
 Ion Ratio Lower Upper
 95 100
 174 86.7 65.6 98.4
 176 80.4 62.0 93.0





#58

Tetrachloroethene

Concen: 0.240 ug/l

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion:164 Resp: 2401

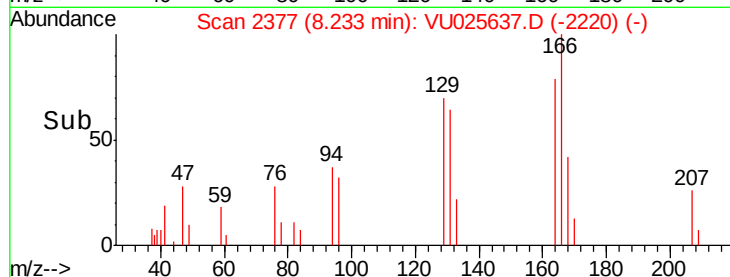
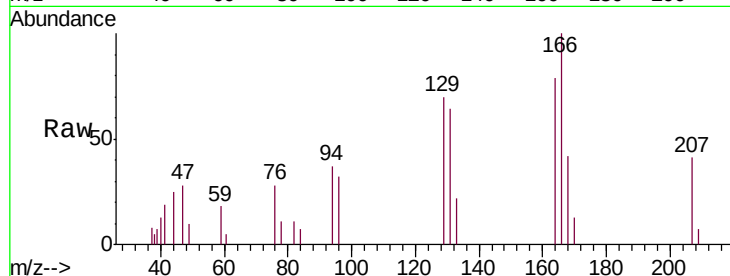
Ion Ratio Lower Upper

164 100

166 126.6 104.1 156.1

129 88.9 76.8 115.2

131 81.3 72.6 108.8

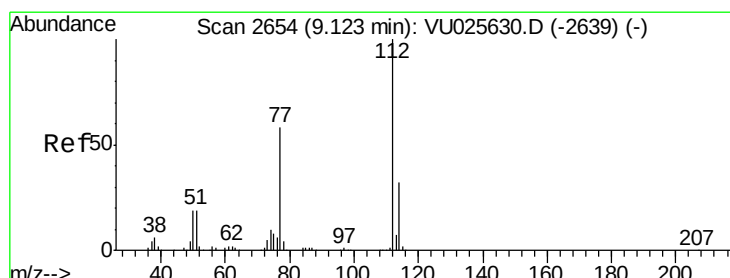
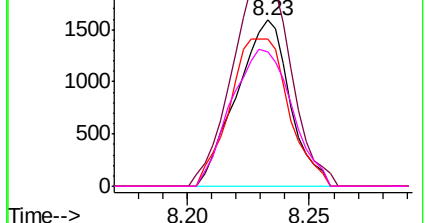


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#59

Chlorobenzene

Concen: 0.238 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025637.D

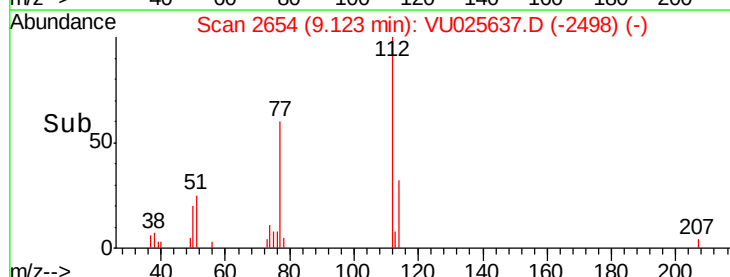
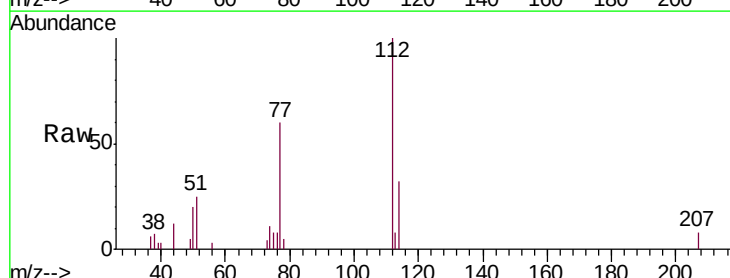
Acq: 25 Jul 2018 17:52

Tgt Ion:112 Resp: 6312

Ion Ratio Lower Upper

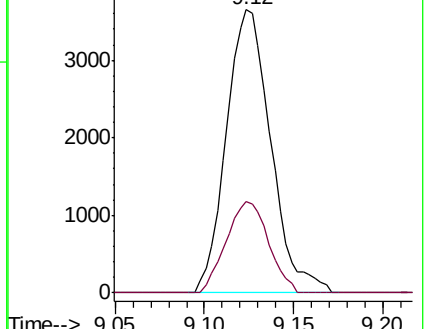
112 100

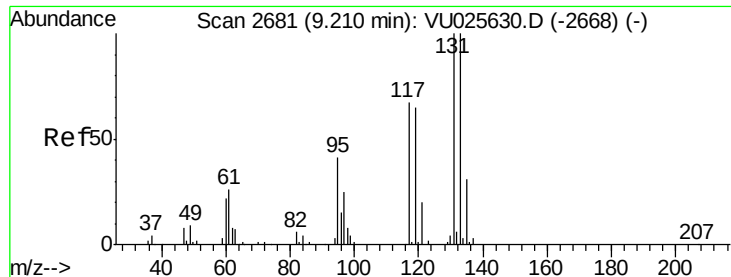
114 32.1 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

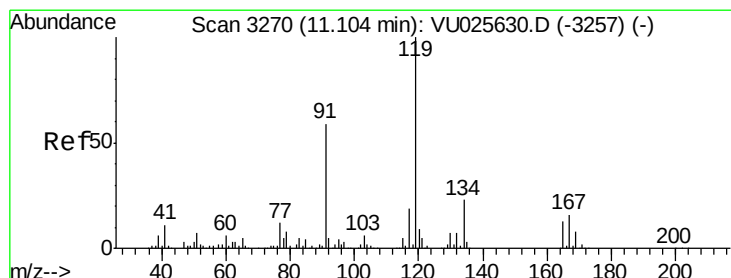
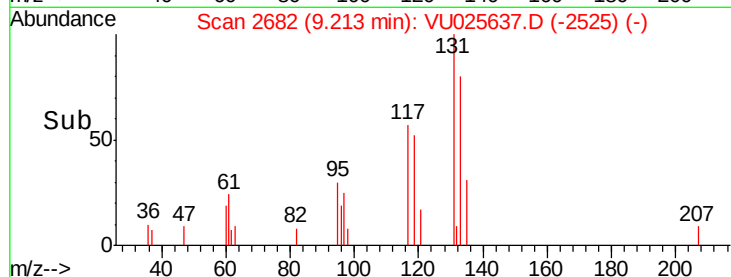
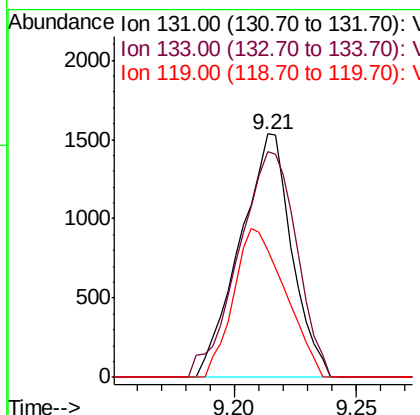
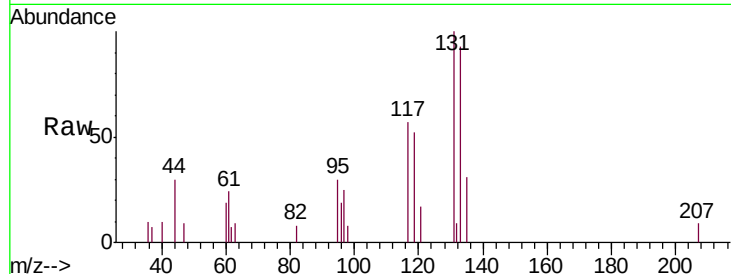




#60
 1,1,1,2-Tetrachloroethane
 Concen: 0.229 ug/l
 RT: 9.21 min Scan# 2682
 Delta R.T. 0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

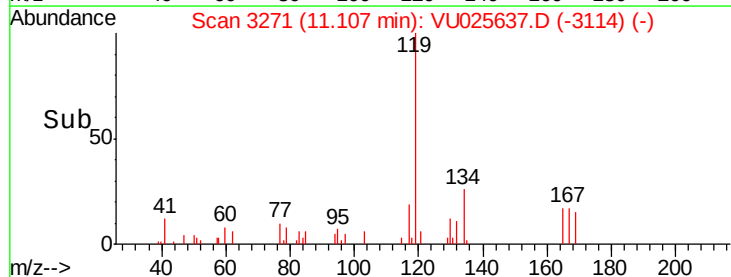
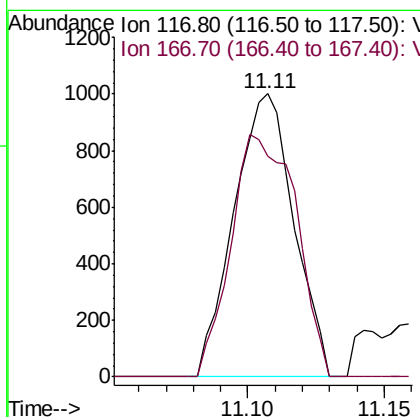
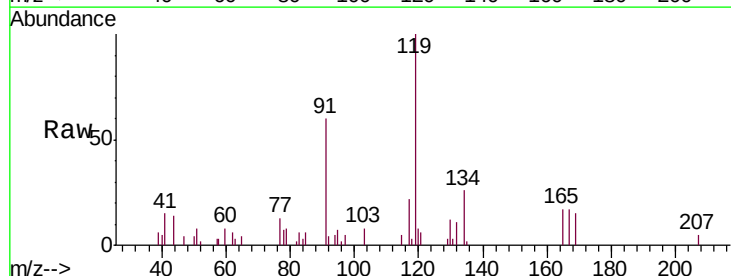
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

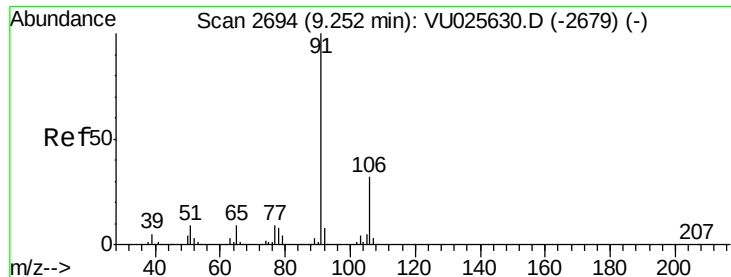
Tot Ion:131 Resp: 2263
 Ion Ratio Lower Upper
 131 100
 133 103.3 75.8 113.8
 119 60.9 53.0 79.6



#61
 Pentachloroethane
 Concen: 0.202 ug/l
 RT: 11.11 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

Tgt Ion:117 Resp: 1524
 Ion Ratio Lower Upper
 117 100
 167 93.2 69.2 103.8

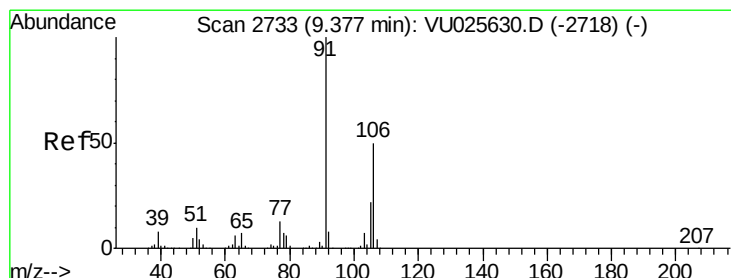
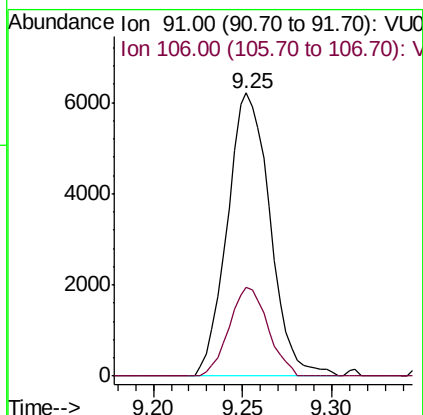
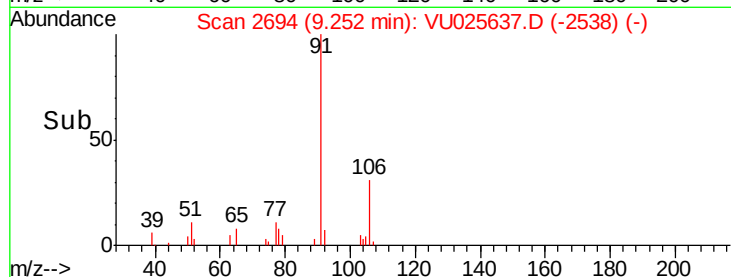
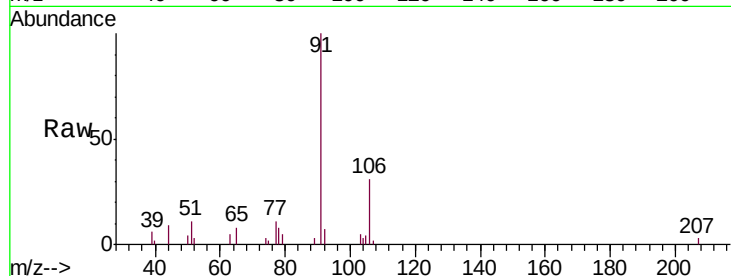




#63
Ethyl Benzene
Concen: 0.234 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

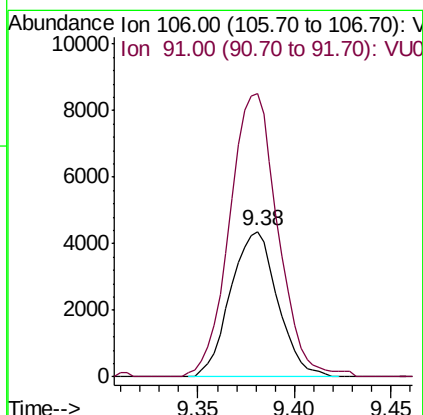
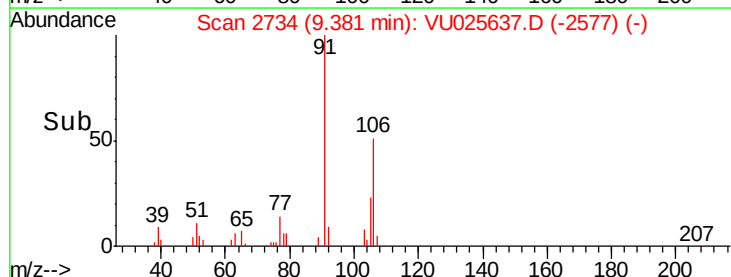
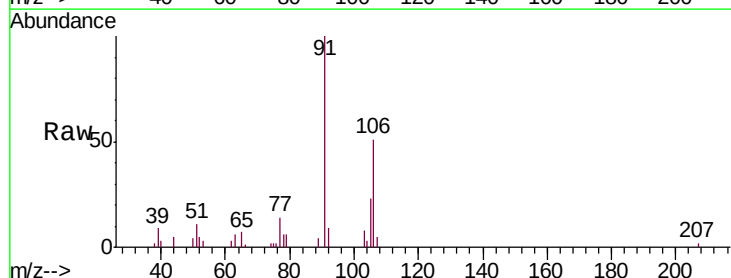
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

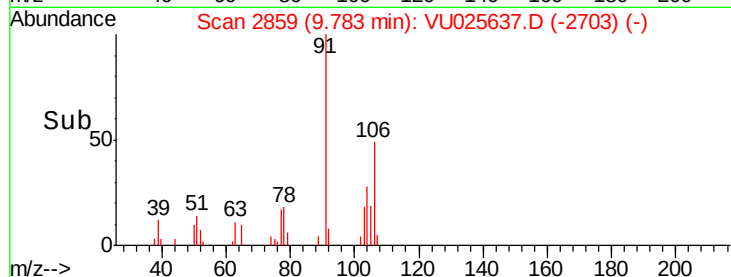
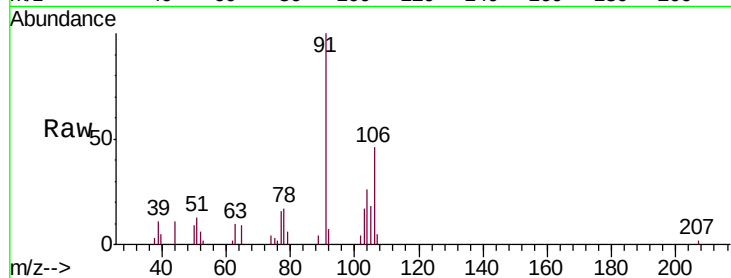
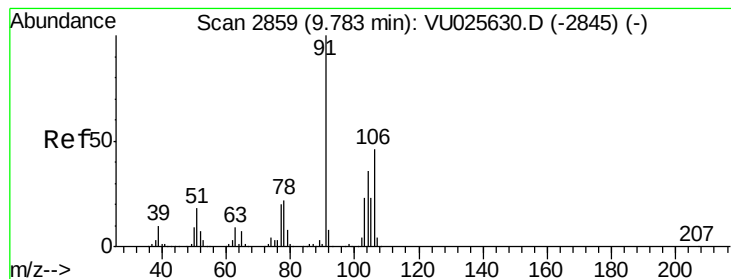
Tot Ion: 91 Resp: 10362
Ion Ratio Lower Upper
91 100
106 31.2 24.7 37.1



#64
m/p-Xylenes
Concen: 0.426 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025637.D
Acq: 25 Jul 2018 17:52

Tgt Ion: 106 Resp: 7407
Ion Ratio Lower Upper
106 100
91 199.7 164.1 246.1





#65

o-Xylene

Concen: 0.222 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

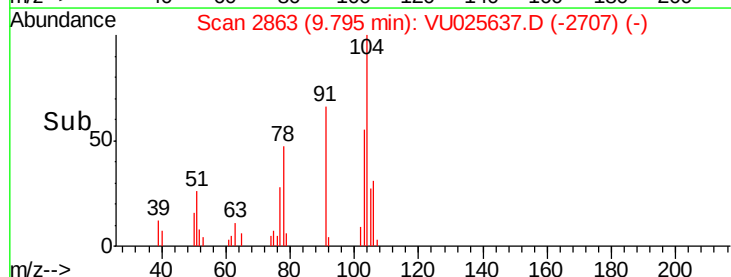
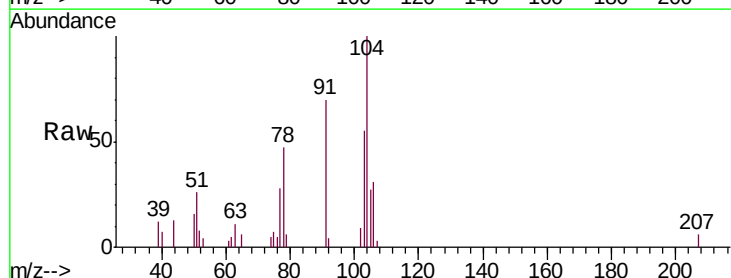
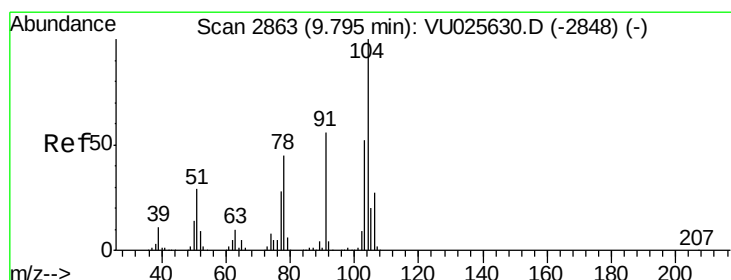
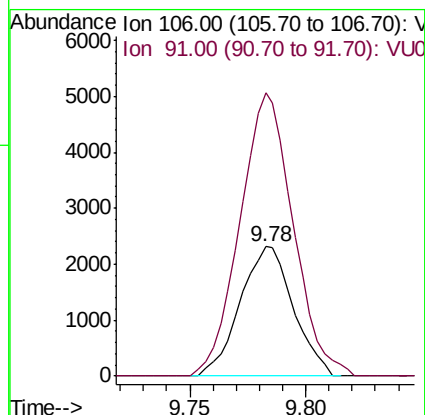
MDL-WATER-03-QT3-2018

Tot Ion:106 Resp: 3682

Ion Ratio Lower Upper

106 100

91 219.1 107.9 323.7



#66

Styrene

Concen: 0.205 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

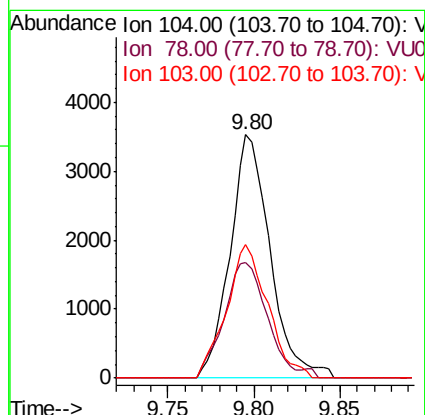
Tgt Ion:104 Resp: 5753

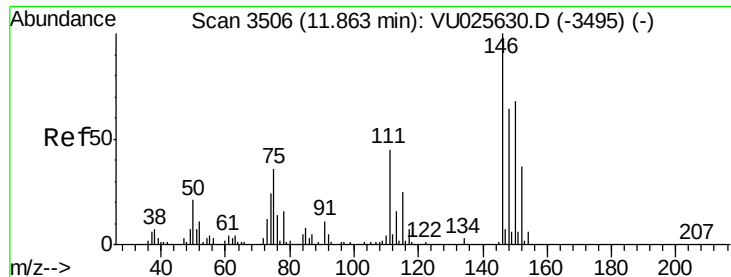
Ion Ratio Lower Upper

104 100

78 51.7 40.2 60.2

103 56.6 44.2 66.4

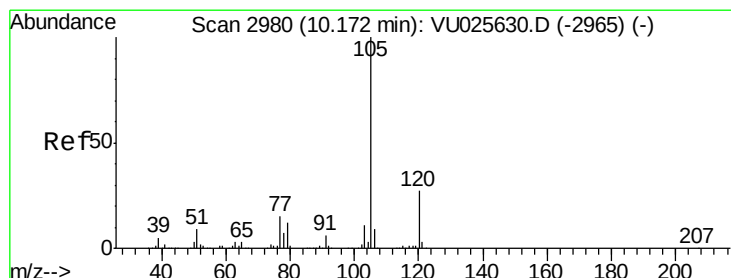
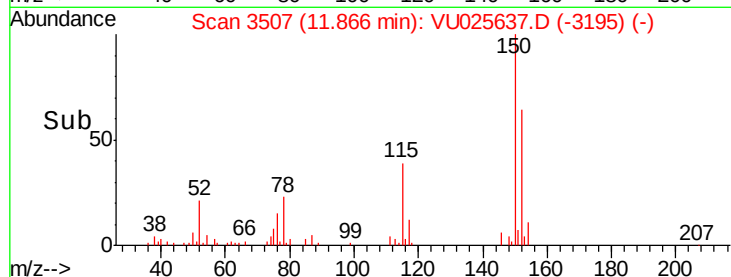
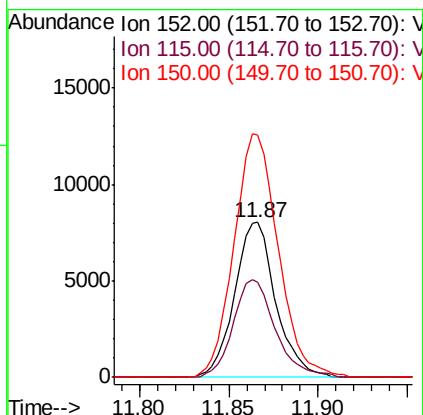
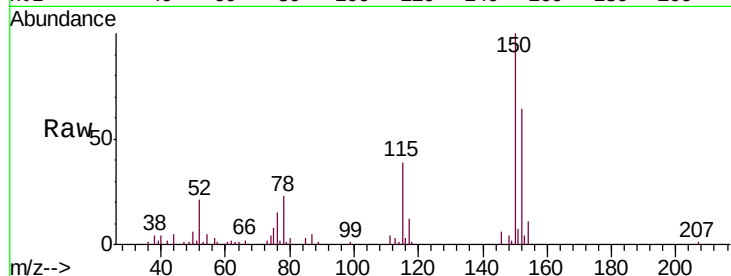




#68
 1,2-Dichlorobenzene-d4
 Concen: Below ug/l
 RT: 11.87 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

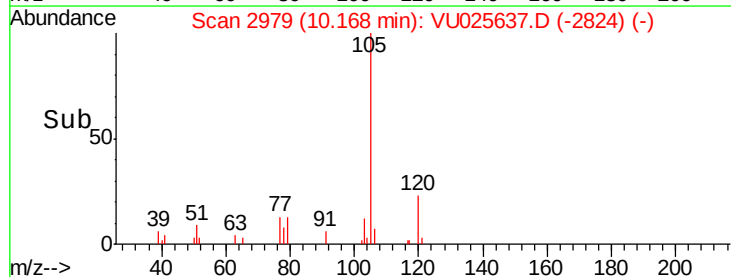
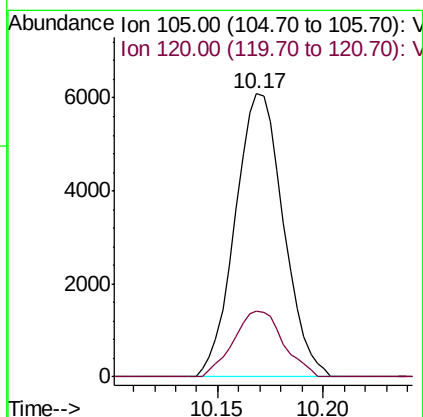
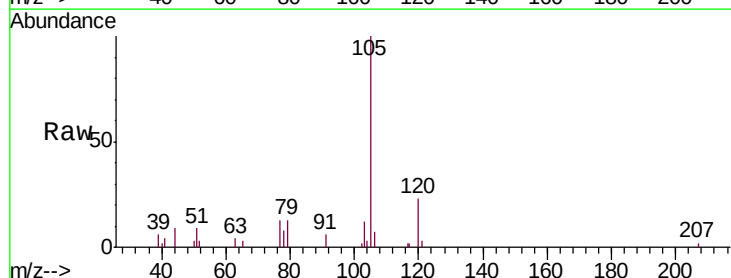
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

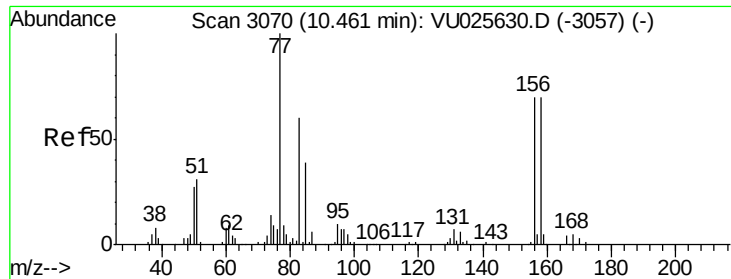
Tot Ion:152 Resp: 12941
 Ion Ratio Lower Upper
 152 100
 115 64.5 0.0 118.8
 150 169.1 0.0 0.0#



#69
 Isopropylbenzene
 Concen: 0.217 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. -0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

Tgt Ion:105 Resp: 9699
 Ion Ratio Lower Upper
 105 100
 120 23.9 13.1 39.3





#70

1,1,2,2-Tetrachloroethane

Concen: 0.220 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

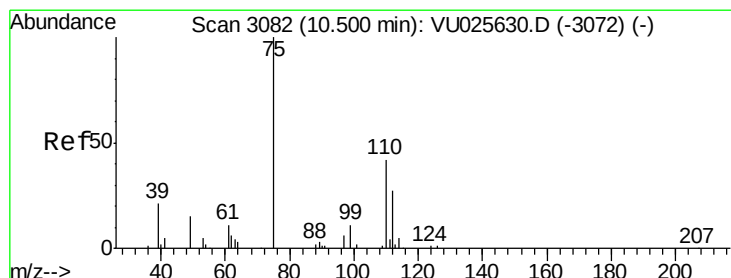
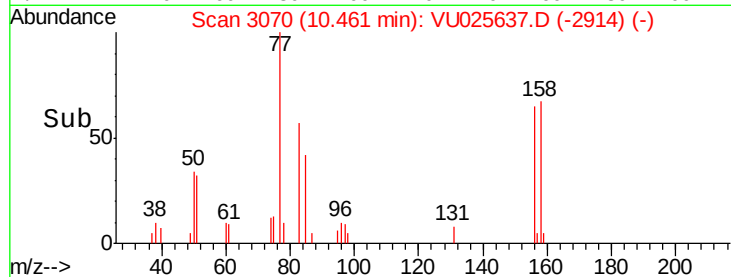
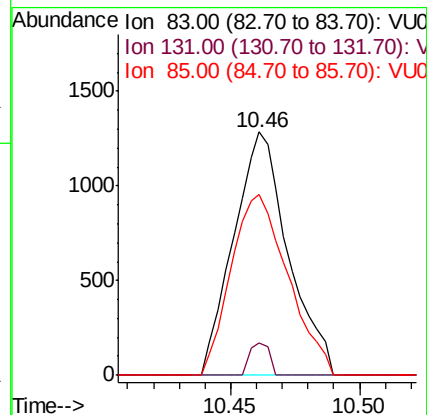
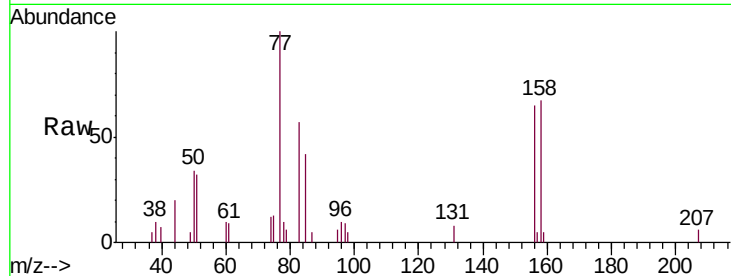
Tot Ion: 83 Resp: 1898

Ion Ratio Lower Upper

83 100

131 4.7 7.9 11.9#

85 77.4 51.8 77.6



#71

1,2,3-Trichloropropane

Concen: 0.222 ug/l

RT: 10.50 min Scan# 3083

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Tgt Ion: 75 Resp: 1496

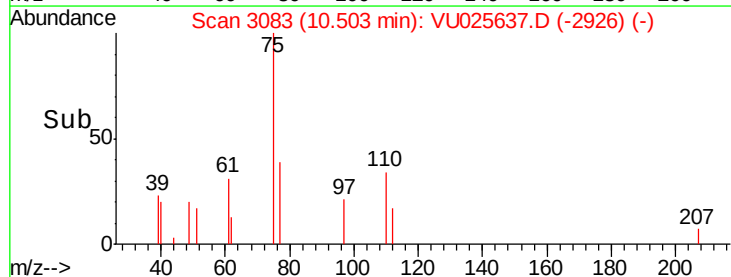
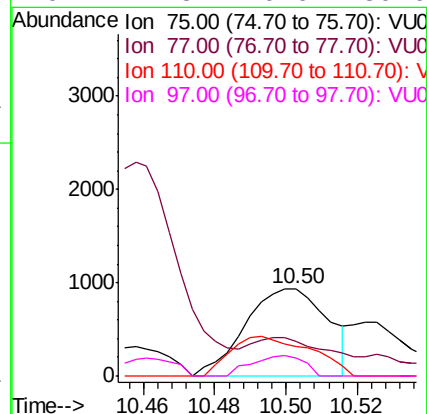
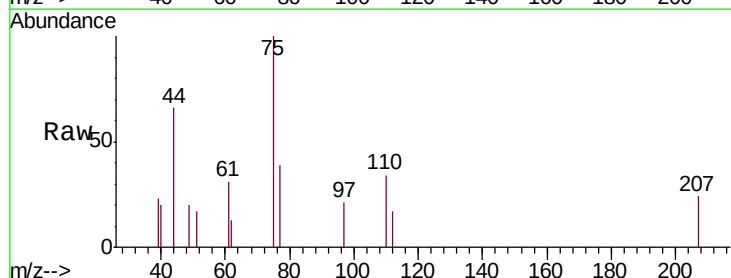
Ion Ratio Lower Upper

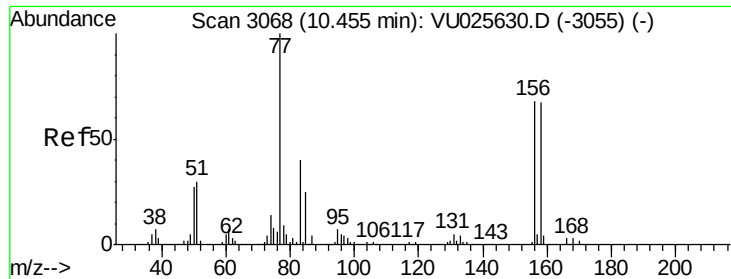
75 100

77 63.0 0.0 0.0#

110 44.7 0.0 74.0

97 14.8 0.0 39.6





#72

Bromobenzene

Concen: 0.214 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

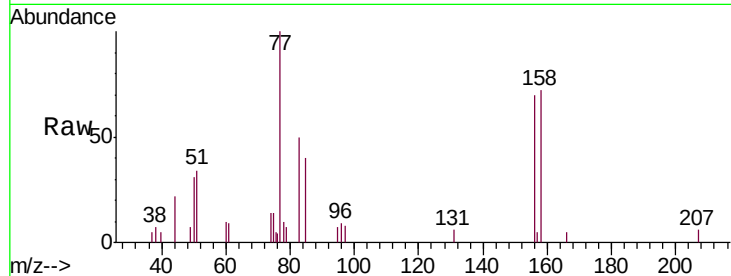
Tot Ion:156 Resp: 2484

Ion Ratio Lower Upper

156 100

77 161.6 0.0 309.8

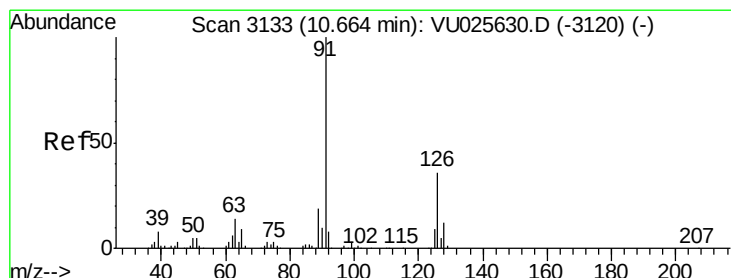
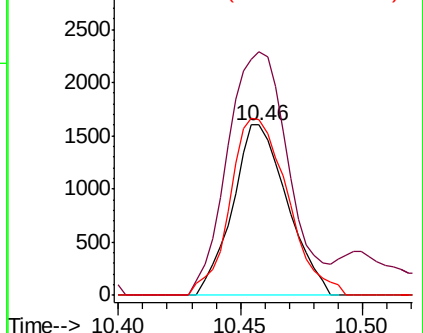
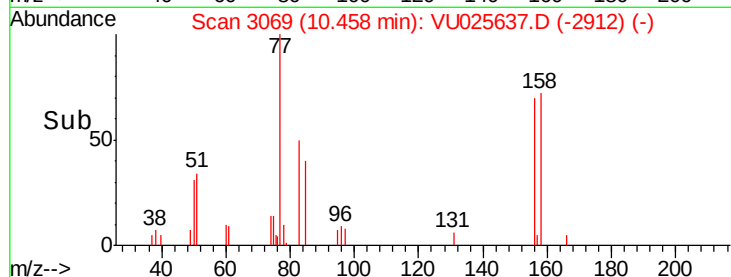
158 109.8 0.0 193.0



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



#74

2-Chlorotoluene

Concen: 0.201 ug/l

RT: 10.67 min Scan# 3134

Delta R.T. 0.00 min

Lab File: VU025637.D

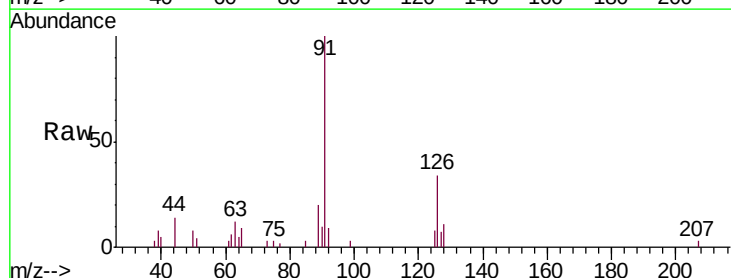
Acq: 25 Jul 2018 17:52

Tgt Ion:126 Resp: 2229

Ion Ratio Lower Upper

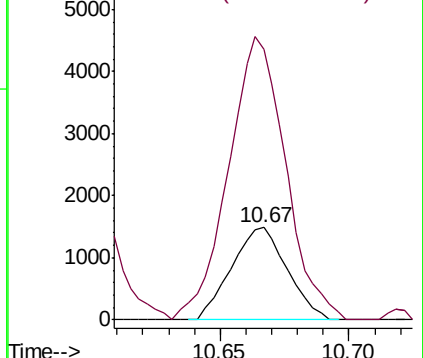
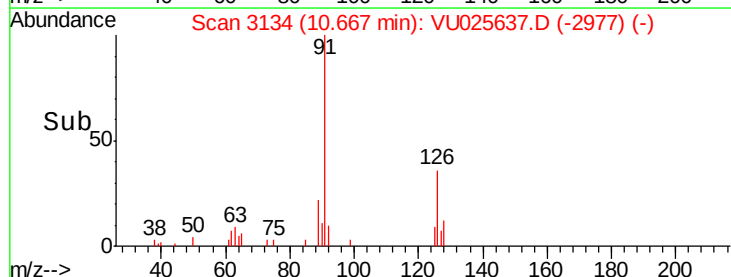
126 100

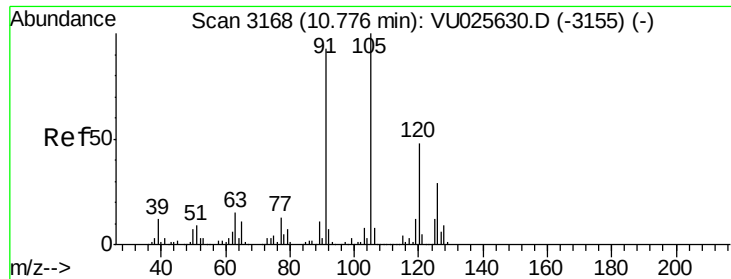
91 315.8 0.0 613.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#76

4-Chlorotoluene

Concen: 0.203 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

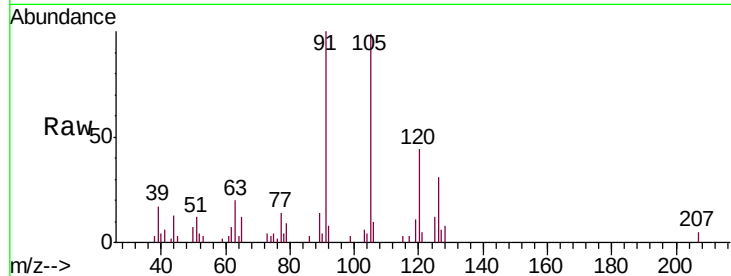
MDL-WATER-03-QT3-2018

Tot Ion:126 Resp: 2372

Ion Ratio Lower Upper

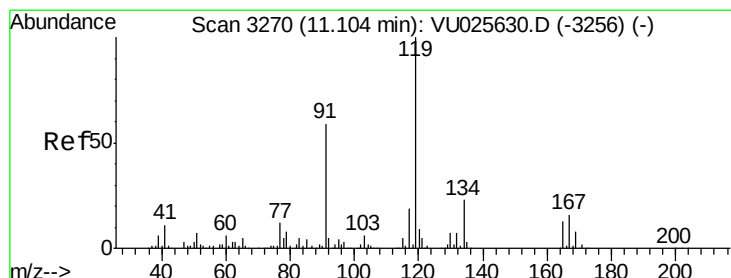
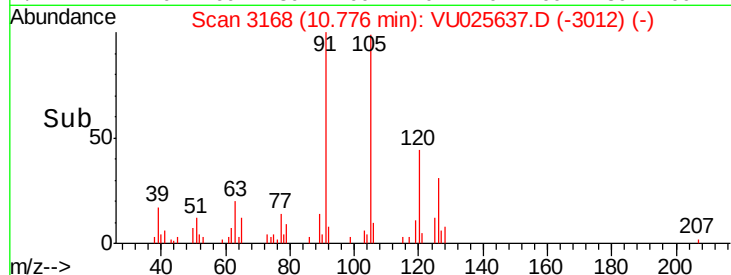
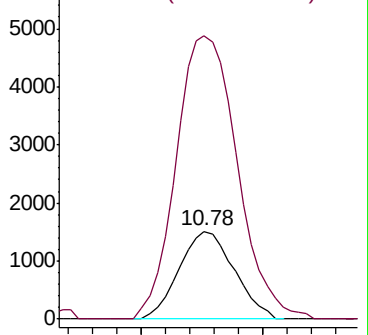
126 100

91 357.2 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#77

tert-Butylbenzene

Concen: 0.213 ug/l

RT: 11.10 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

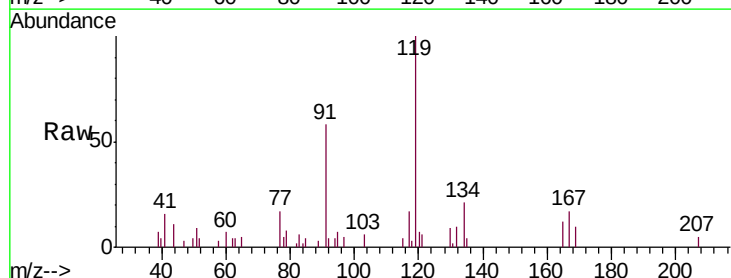
Tgt Ion:119 Resp: 8197

Ion Ratio Lower Upper

119 100

91 57.0 29.6 88.8

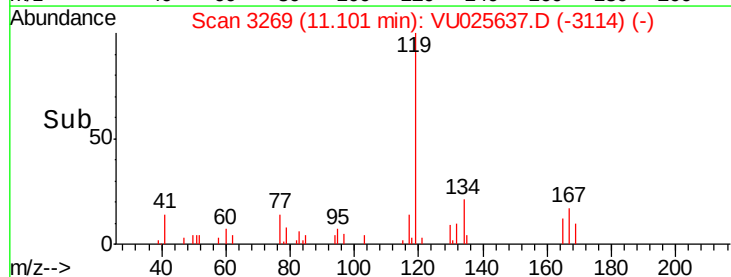
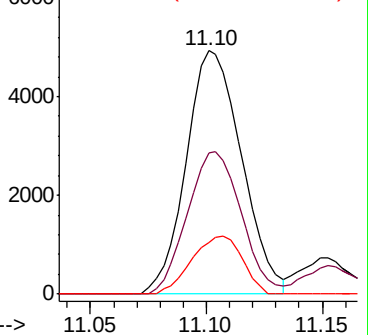
134 21.7 19.1 28.7

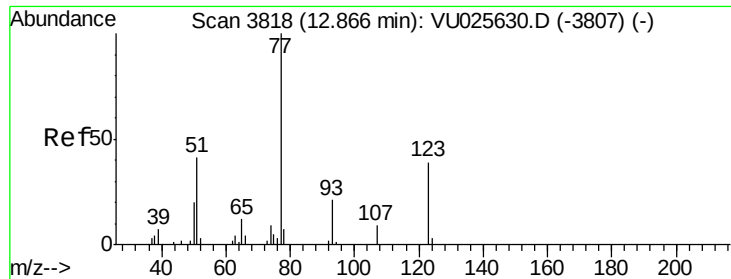


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V





#80

Nitrobenzene

Concen: 0.998 ug/l

RT: 12.87 min Scan# 3820

Delta R.T. 0.01 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

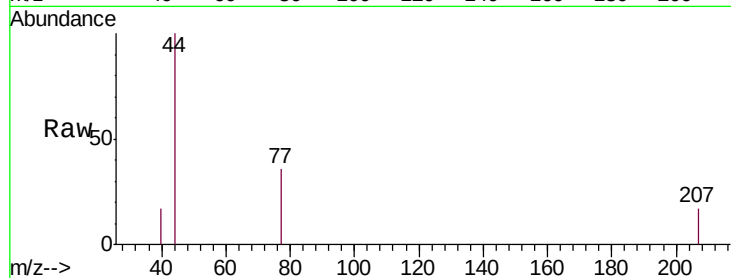
Tot Ion: 77 Resp: 262

Ion Ratio Lower Upper

77 100

123 0.0 19.4 68.6#

65 0.0 11.2 14.2#

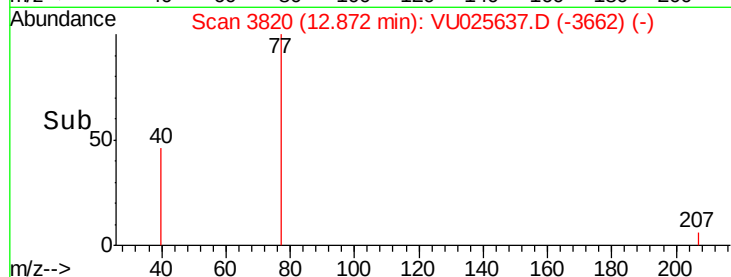


Abundance Ion 77.00 (76.70 to 77.70): VU025630.D (-3807) (-)

Ion 123.00 (122.70 to 123.70): VU025630.D (-3807) (-)

Ion 65.00 (64.70 to 65.70): VU025630.D (-3807) (-)

Time-->

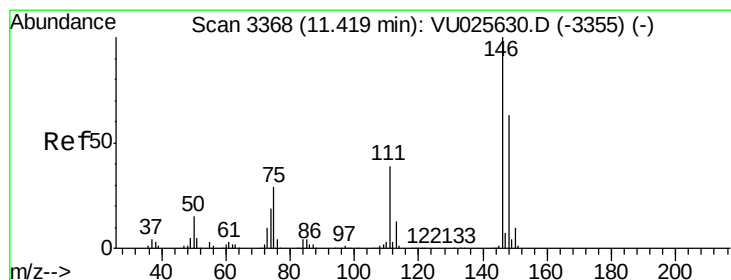


Abundance Ion 77.00 (76.70 to 77.70): VU025637.D (-3662) (-)

Ion 123.00 (122.70 to 123.70): VU025637.D (-3662) (-)

Ion 65.00 (64.70 to 65.70): VU025637.D (-3662) (-)

Time-->



#82

1,3-Dichlorobenzene

Concen: 0.237 ug/l

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

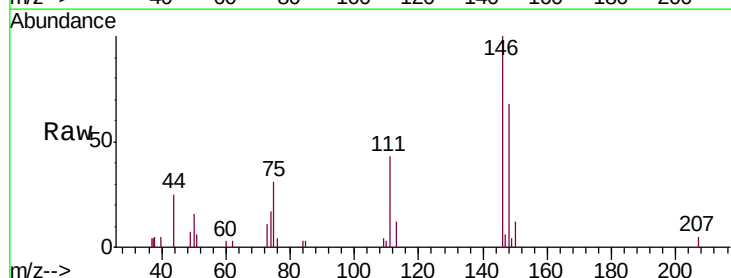
Tgt Ion: 146 Resp: 5663

Ion Ratio Lower Upper

146 100

111 40.0 31.8 47.6

148 64.3 51.0 76.4

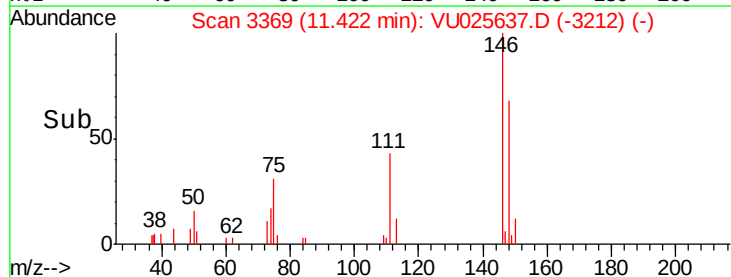


Abundance Ion 146.00 (145.70 to 146.70): VU025630.D (-3355) (-)

Ion 111.00 (110.70 to 111.70): VU025630.D (-3355) (-)

Ion 148.00 (147.70 to 148.70): VU025630.D (-3355) (-)

Time-->

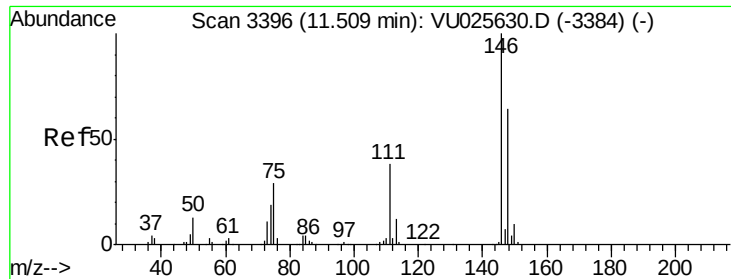


Abundance Ion 146.00 (145.70 to 146.70): VU025637.D (-3212) (-)

Ion 111.00 (110.70 to 111.70): VU025637.D (-3212) (-)

Ion 148.00 (147.70 to 148.70): VU025637.D (-3212) (-)

Time-->



#83

1,4-Dichlorobenzene

Concen: 0.246 ug/l

RT: 11.52 min Scan# 3398

Delta R.T. 0.01 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

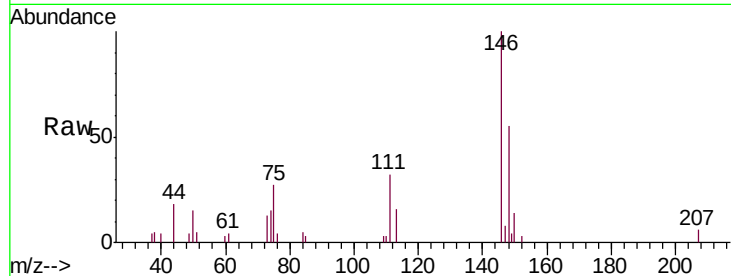
Tot Ion:146 Resp: 5734

Ion Ratio Lower Upper

146 100

111 37.8 30.1 45.1

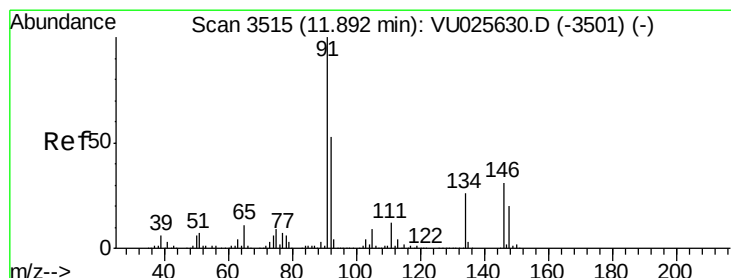
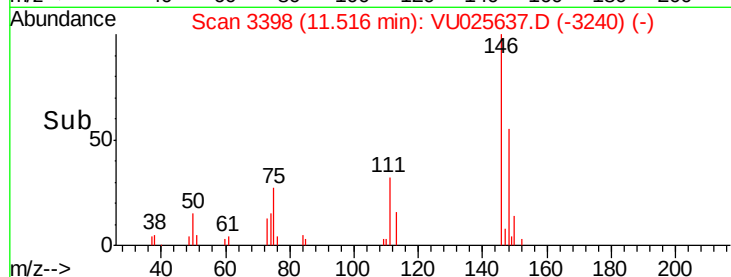
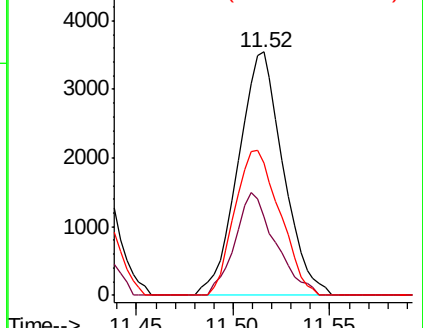
148 59.6 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

n-Butylbenzene

Concen: 0.208 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025637.D

Acq: 25 Jul 2018 17:52

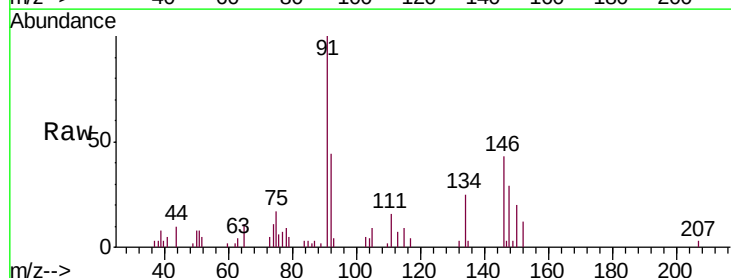
Tgt Ion: 91 Resp: 8390

Ion Ratio Lower Upper

91 100

92 45.2 42.2 63.2

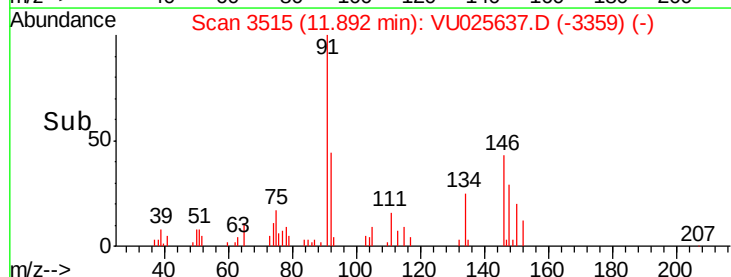
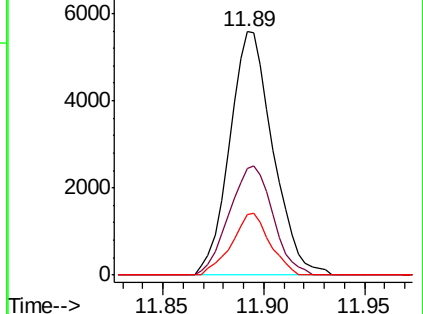
134 22.2 20.3 30.5

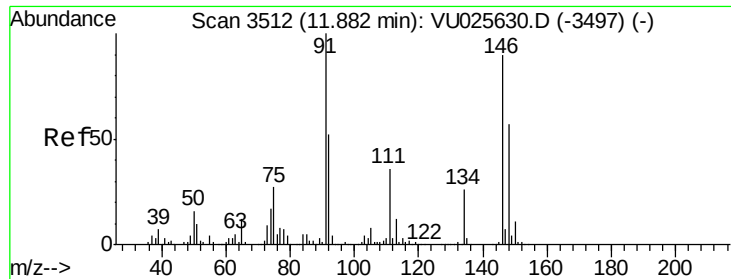


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

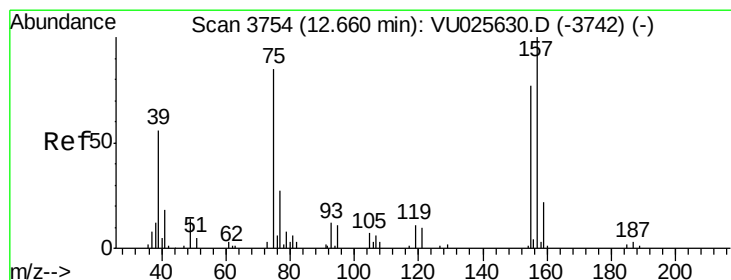
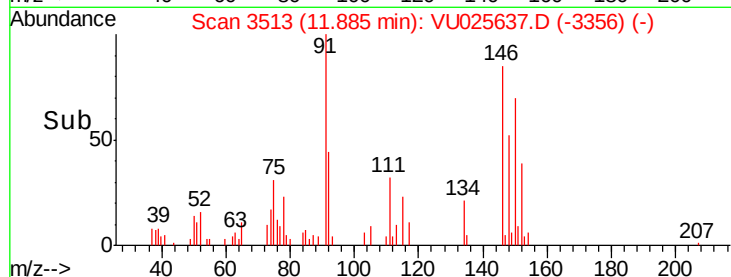
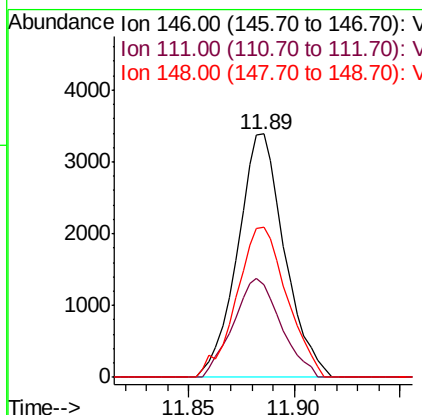
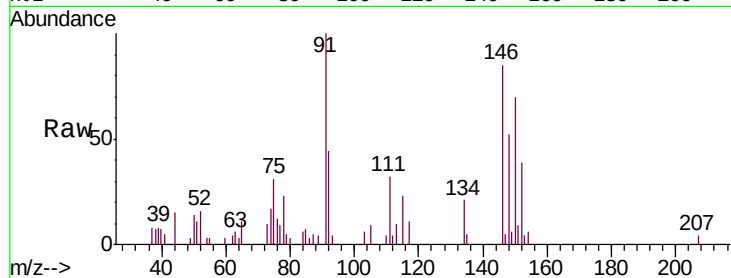




#85
 1,2-Dichlorobenzene
 Concen: 0.240 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

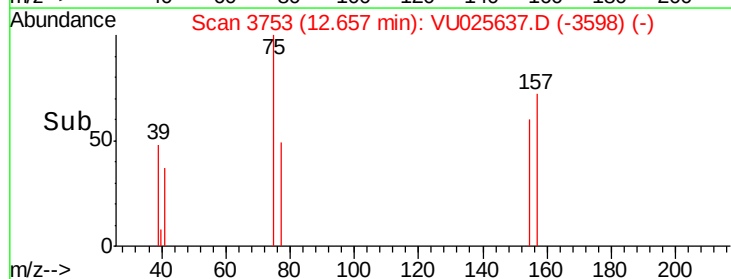
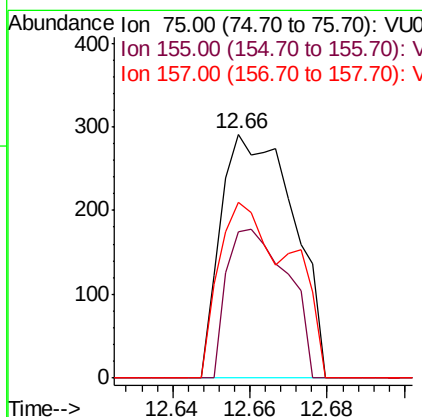
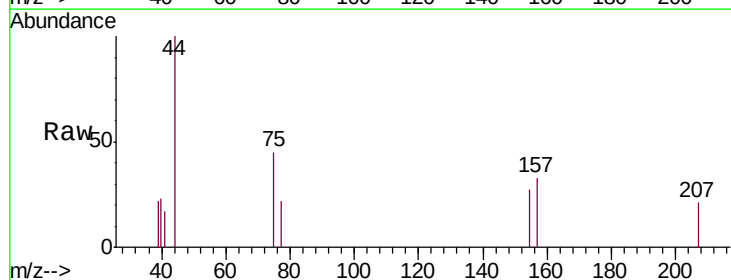
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

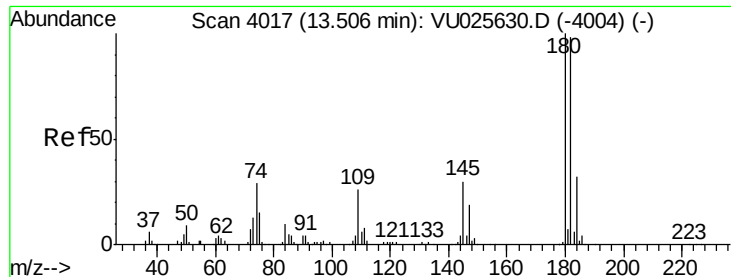
Tot Ion:146 Resp: 5228
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.7 62.1
 148 66.2 31.9 95.5



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.268 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

Tgt Ion: 75 Resp: 381
 Ion Ratio Lower Upper
 75 100
 155 50.7 65.8 98.6#
 157 70.6 83.5 125.3#

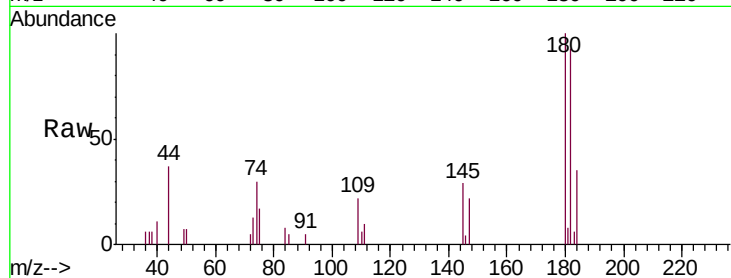




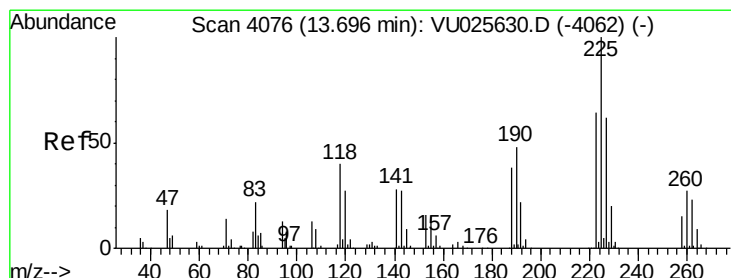
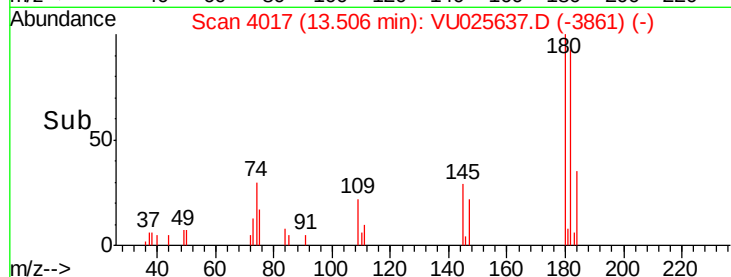
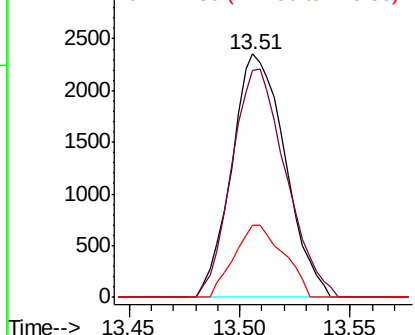
#87
 1,2,4-Trichlorobenzene
 Concen: 0.260 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion:180 Resp: 3942
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.1 115.7
 145 27.5 23.3 34.9

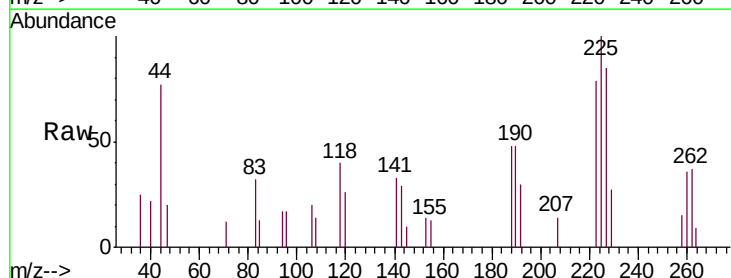


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

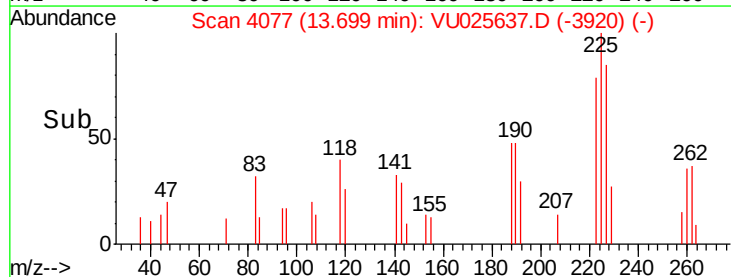
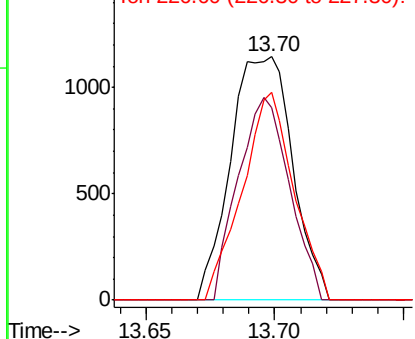


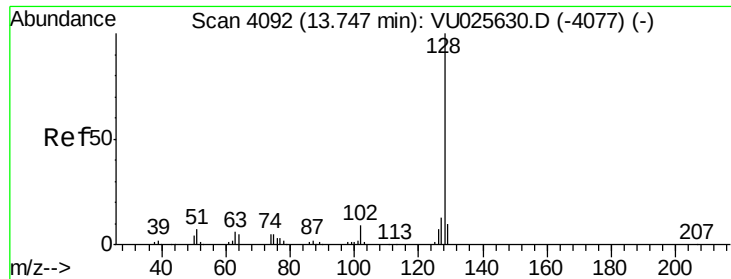
#88
 Hexachlorobutadiene
 Concen: 0.206 ug/l
 RT: 13.70 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VU025637.D
 Acq: 25 Jul 2018 17:52

Tgt Ion:225 Resp: 1921
 Ion Ratio Lower Upper
 225 100
 223 69.1 50.6 75.8
 227 71.2 51.8 77.6



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: 0.217 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.00 min

Lab File: VU025637.D

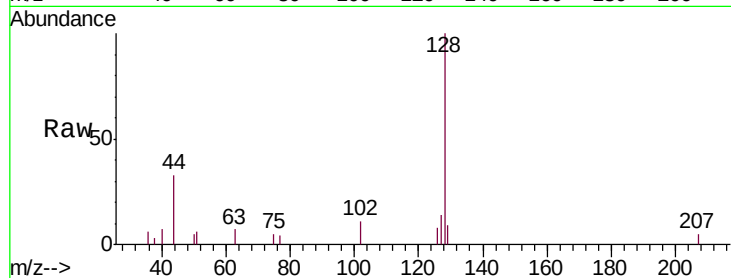
Acq: 25 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018



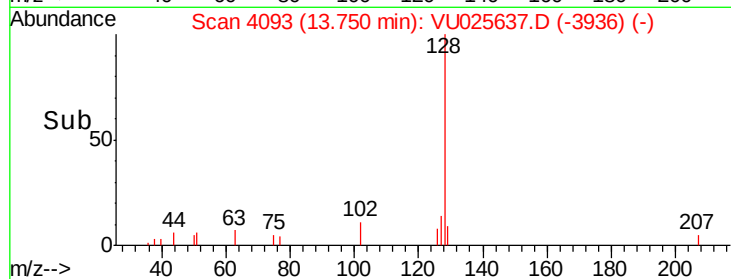
Tot Ion:128 Resp: 5343

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.0 8.7 13.1



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

