

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102320\
 Data File : VU040928.D
 Acq On : 23 Oct 2020 11:02
 Operator : SY/MD
 Sample : L4214-09 0.25 ppb
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Quant Time: Oct 24 06:22:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:07:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	52675	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	15112	0.79	ug/l	0.00
Spiked Amount 1.000			Recovery	=	79.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	15986	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	7005	0.285	ug/l 94
3) Chloromethane	1.53	50	7586	0.296	ug/l 97
4) Vinyl Chloride	1.61	62	6147	0.258	ug/l 89
5) Bromomethane	1.86	94	3969	0.283	ug/l 89
6) Chloroethane	1.94	64	3993	0.274	ug/l 100
7) Trichlorofluoromethane	2.15	101	8410	0.279	ug/l 94
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4503	0.269	ug/l 95
9) 1,1-Dichloroethene	2.60	96	4140	0.284	ug/l 97
10) Iodomethane	2.74	142	3565	0.590	ug/l # 80
11) Allyl Chloride	2.94	41	8579	0.286	ug/l 97
12) Acrylonitrile	3.34	53	2901	0.564	ug/l # 71
13) Acetone	2.64	43	6648	1.544	ug/l # 78
14) Carbon Disulfide	2.81	76	16203	0.296	ug/l 99
15) Methylene Chloride	3.06	84	6274	0.331	ug/l 93
16) trans-1,2-Dichloroethene	3.37	96	4852	0.294	ug/l 81
17) 1,1-Dichloroethane	3.89	63	9994	0.296	ug/l 97
18) 2-Butanone	4.74	43	10573	1.518	ug/l 98
19) Cyclohexane	5.39	56	7965	0.251	ug/l 88
20) Methylcyclohexane	6.77	83	5160	0.217	ug/l 94
21) 2,2-Dichloropropane	4.69	77	9233	0.324	ug/l # 90
22) cis-1,2-Dichloroethene	4.68	96	4648	0.264	ug/l 81
23) Diethyl Ether	2.39	59	3863	0.268	ug/l 91
24) tert-Butyl Alcohol	3.21	59	7056	4.391	ug/l # 80
25) Methyl tert-Butyl Ether	3.38	73	12158	0.269	ug/l # 77
26) Bromochloromethane	4.99	128	2219	0.290	ug/l 96
27) Chloroform	5.11	83	9565	0.296	ug/l 89
28) 1,1,1-Trichloroethane	5.33	97	7440	0.267	ug/l 96
29) 1,1-Dichloropropene	5.54	75	6367	0.261	ug/l 93
30) Carbon Tetrachloride	5.54	117	7064	0.280	ug/l 91
31) Isopropyl Ether	4.02	45	13482	0.258	ug/l 85
32) Ethyl-t-butyl ether	4.54	59	12679	0.276	ug/l 97
33) Tert-Amyl methyl ether	5.96	73	7571	0.221	ug/l 99
34) Propionitrile	4.81	54	2845	1.488	ug/l 95
35) Benzene	5.78	78	17702	0.262	ug/l 94
36) 1,2-Dichloroethane	5.81	62	7144	0.285	ug/l 96
37) Trichloroethene	6.55	130	4303	0.269	ug/l 97
38) 1,2-Dichloropropane	6.80	63	4897	0.255	ug/l 90
39) Methacrylonitrile	5.00	41	2682	0.299	ug/l # 69
40) Methyl acrylate	4.86	55	3549	0.289	ug/l # 85
41) Tetrahydrofuran	5.09	42	3817	0.828	ug/l # 83
42) 1-Chlorobutane	5.47	56	10337	0.280	ug/l 96

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 ALS Vial : 4 Sample Multiplier: 1

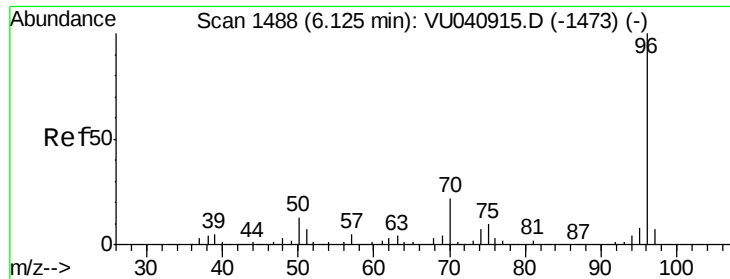
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Quant Time: Oct 24 06:22:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:07:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.94	93	3003	0.279	ug/l	89
44) Bromodichloromethane	7.12	83	6503	0.261	ug/l	99
45) 4-Methyl-2-Pentanone	7.81	43	15879	1.126	ug/l #	94
46) t-1,4-Dichloro-2-butene	10.82	75	5031	0.902	ug/l #	52
47) Methyl methacrylate	6.98	69	3418	0.381	ug/l	92
49) Toluene	7.97	92	7455	0.201	ug/l	95
50) t-1,3-Dichloropropene	8.22	75	4583	0.213	ug/l #	82
51) cis-1,3-Dichloropropene	7.61	75	5957	0.252	ug/l	90
52) 1,1,2-Trichloroethane	8.40	97	3473	0.256	ug/l #	89
53) 1,3-Dichloropropane	8.58	76	5973	0.245	ug/l	94
54) 2-Hexanone	8.70	43	10960	1.112	ug/l	92
55) Dibromochloromethane	8.82	129	3649	0.224	ug/l	95
56) 1,2-Dibromoethane	8.93	107	2934	0.233	ug/l	99
58) Tetrachloroethene	8.56	164	3796	0.254	ug/l	95
59) Chlorobenzene	9.45	112	8560	0.218	ug/l	91
60) 1,1,1,2-Tetrachloroethane	9.54	131	3497	0.226	ug/l	94
61) Pentachloroethane	11.42	117	3008	0.241	ug/l	99
62) Hexachloroethane	12.47	117	3159	0.249	ug/l	100
64) m/p-Xylenes	9.69	106	8321	0.716	ug/l	96
66) Styrene	10.11	104	6916	0.404	ug/l	96
67) Bromoform	10.29	173	2324	0.264	ug/l #	81
70) 1,1,2,2-Tetrachloroethane	10.78	83	4604	0.249	ug/l #	94
71) 1,2,3-Trichloropropane	10.82	75	5031	0.357	ug/l	85
72) Bromobenzene	10.78	156	3518	0.221	ug/l	90
73) n-propylbenzene	10.90	120	2825	0.366	ug/l	83
75) 1,3,5-Trimethylbenzene	11.09	105	8244	0.363	ug/l	90
78) 1,2,4-Trimethylbenzene	11.47	105	8477	0.367	ug/l	98
80) Nitrobenzene	13.21	77	1466	1.677	ug/l #	62
81) p-Isopropyltoluene	11.79	119	8264	0.402	ug/l #	91
82) 1,3-Dichlorobenzene	11.74	146	7419	0.214	ug/l	97
83) 1,4-Dichlorobenzene	11.83	146	7021	0.200	ug/l	97
85) 1,2-Dichlorobenzene	12.21	146	6946	0.209	ug/l	93
86) 1,2-Dibromo-3-Chloropropan	12.99	75	855	0.248	ug/l #	72
88) Hexachlorobutadiene	14.01	225	2963	0.271	ug/l	97
89) Naphthalene	14.08	128	7204	0.854	ug/l	99
90) 1,2,3-Trichlorobenzene	14.32	180	4346	0.230	ug/l	93

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 96 Resp: 52675

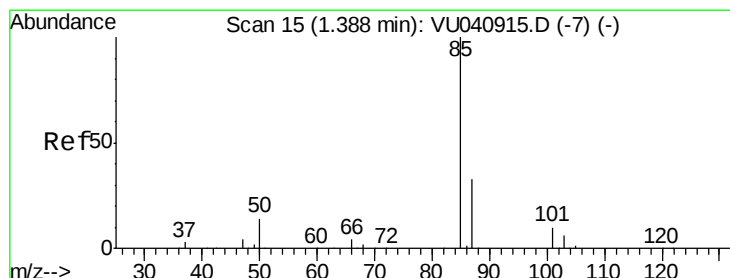
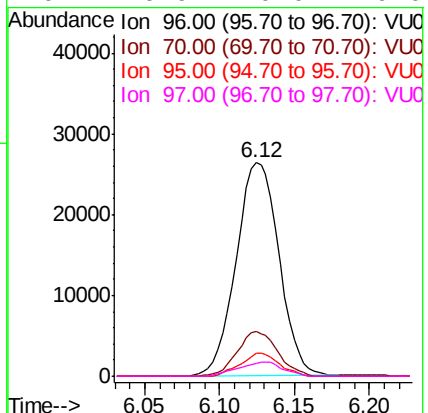
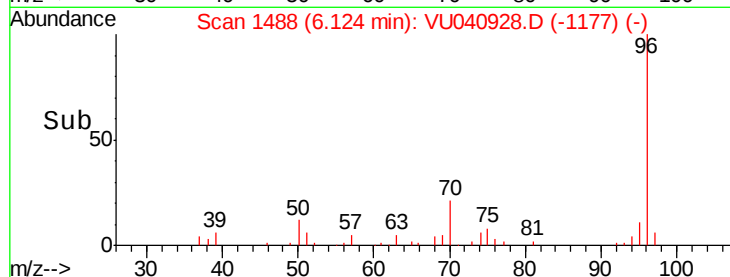
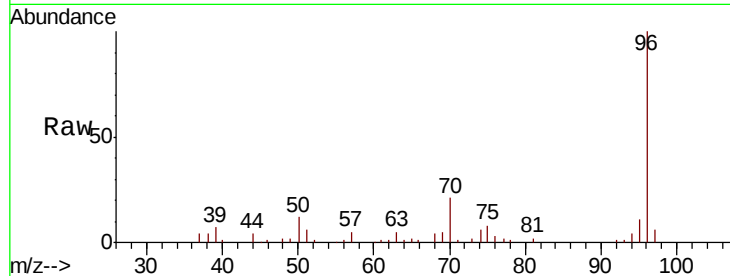
Ion Ratio Lower Upper

96 100

70 19.9 16.3 24.5

95 9.8 7.3 10.9

97 6.9 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.285 ug/l

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040928.D

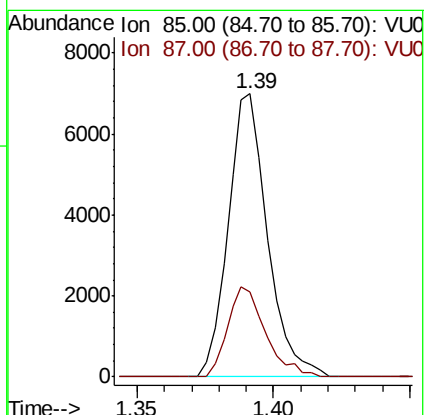
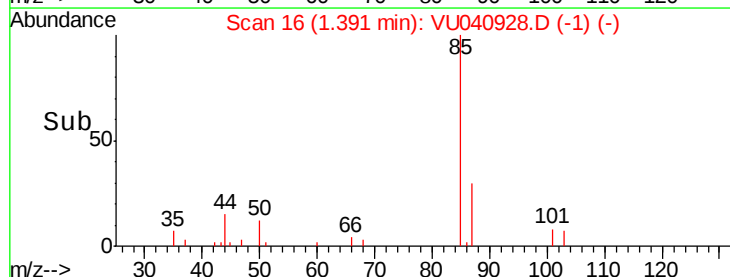
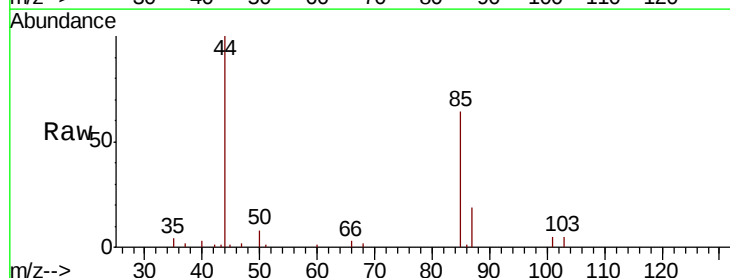
Acq: 23 Oct 2020 11:02

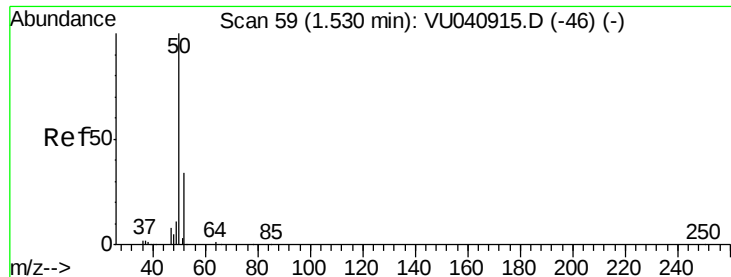
Tgt Ion: 85 Resp: 7005

Ion Ratio Lower Upper

85 100

87 29.8 16.5 49.5





#3

Chloromethane

Concen: 0.296 ug/l

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

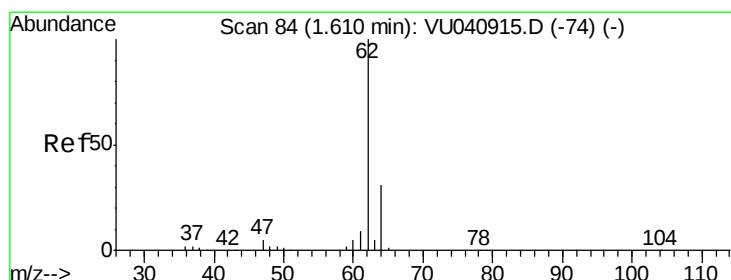
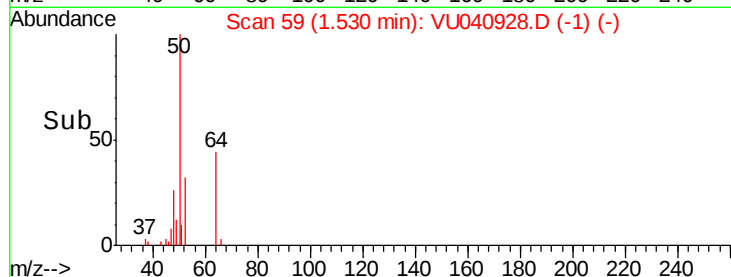
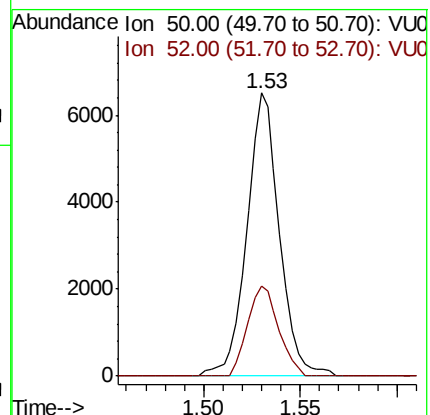
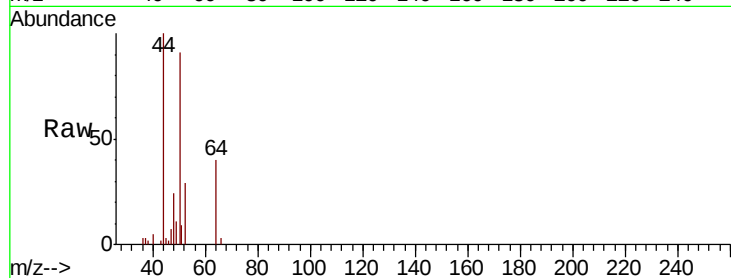
MDL-WATER-03-QT4-2020

Tot Ion: 50 Resp: 7586

Ion Ratio Lower Upper

50 100

52 31.9 26.9 40.3



#4

Vinyl Chloride

Concen: 0.258 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040928.D

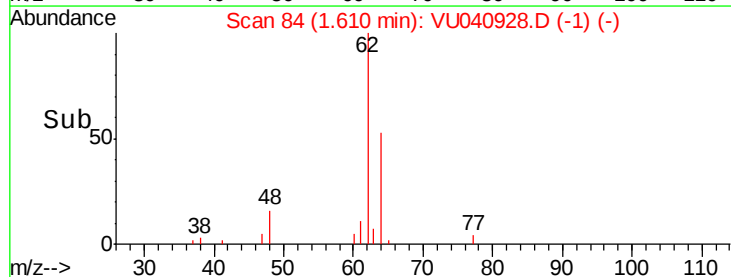
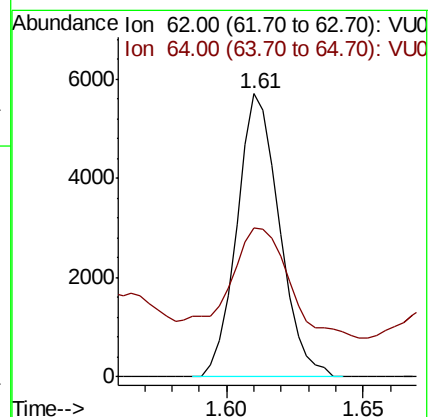
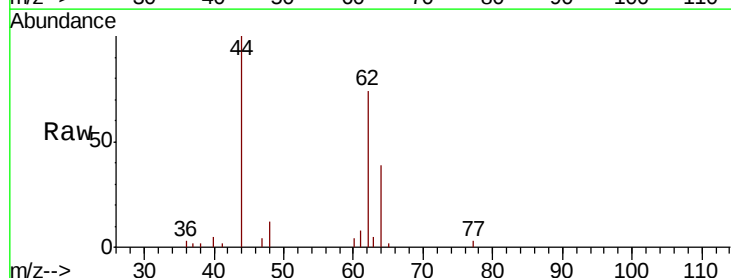
Acq: 23 Oct 2020 11:02

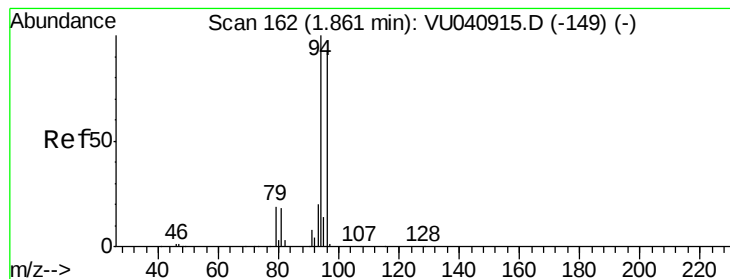
Tgt Ion: 62 Resp: 6147

Ion Ratio Lower Upper

62 100

64 36.9 24.7 37.1





#5

Bromomethane

Concen: 0.283 ug/l

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

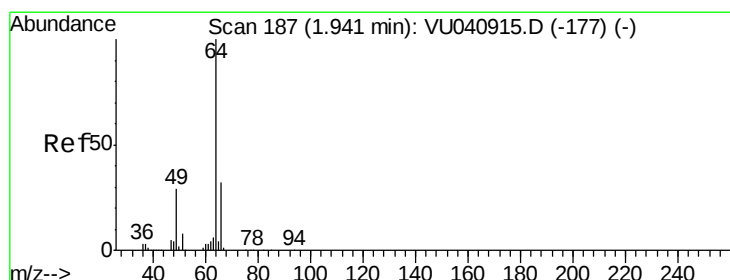
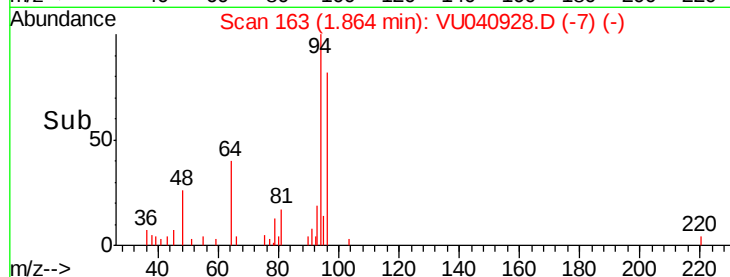
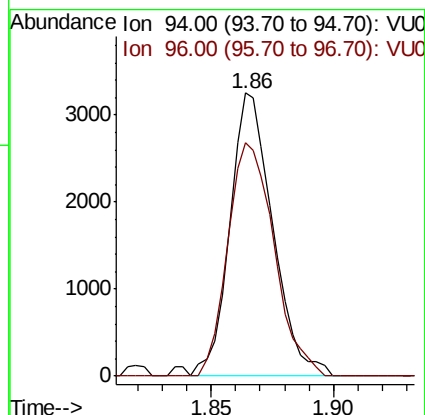
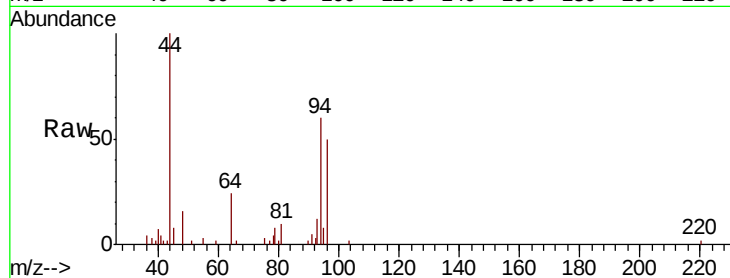
MDL-WATER-03-QT4-2020

Tot Ion: 94 Resp: 3969

Ion Ratio Lower Upper

94 100

96 82.3 74.4 111.6



#6

Chloroethane

Concen: 0.274 ug/l

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040928.D

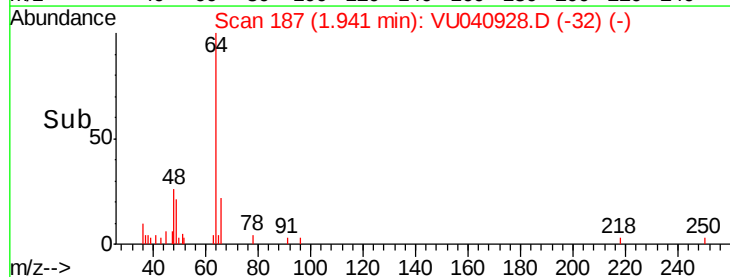
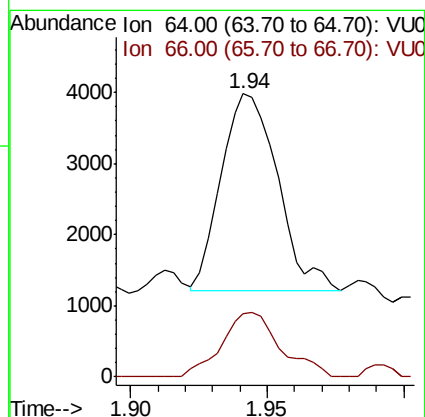
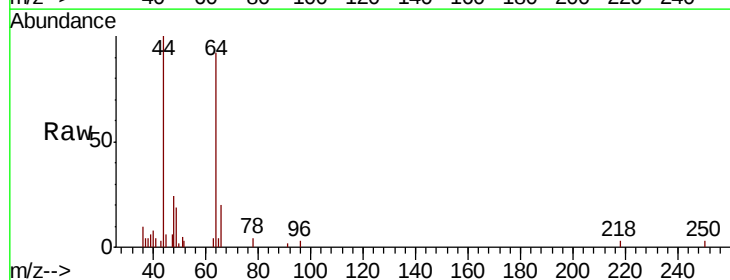
Acq: 23 Oct 2020 11:02

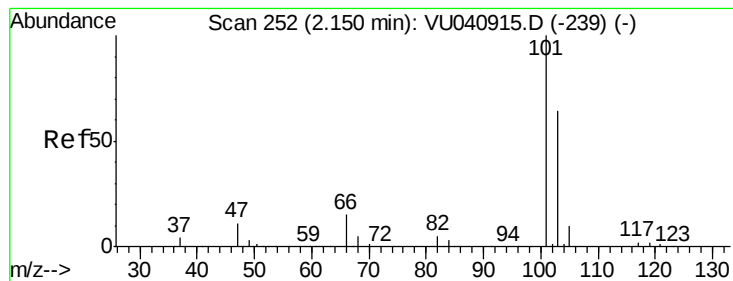
Tgt Ion: 64 Resp: 3993

Ion Ratio Lower Upper

64 100

66 32.0 25.4 38.2





#7

Trichlorofluoromethane

Concen: 0.279 ug/l

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

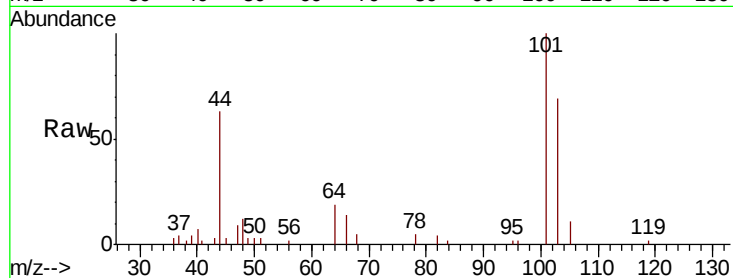
MDL-WATER-03-QT4-2020

Tot Ion:101 Resp: 8410

Ion Ratio Lower Upper

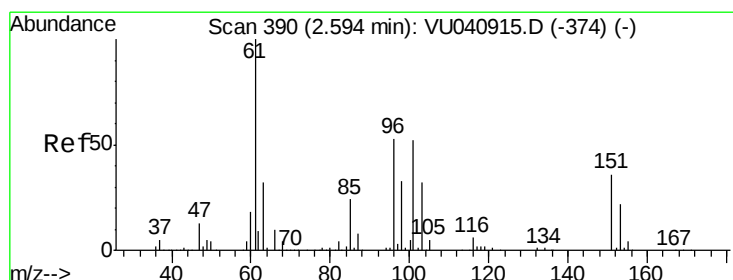
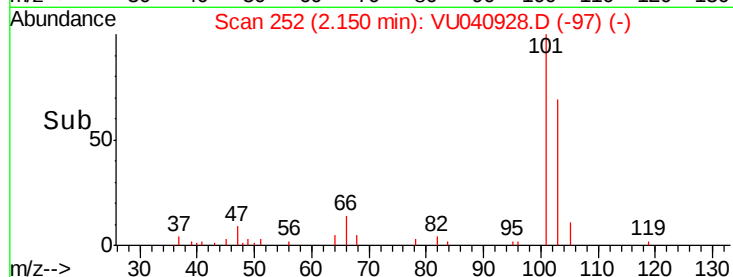
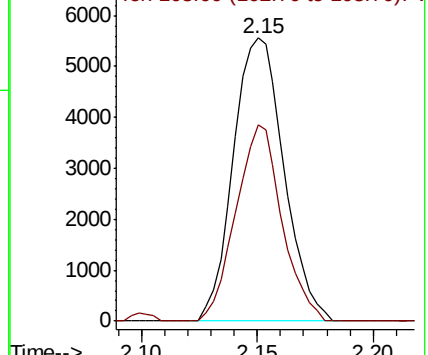
101 100

103 69.3 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

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

Concen: 0.269 ug/l

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

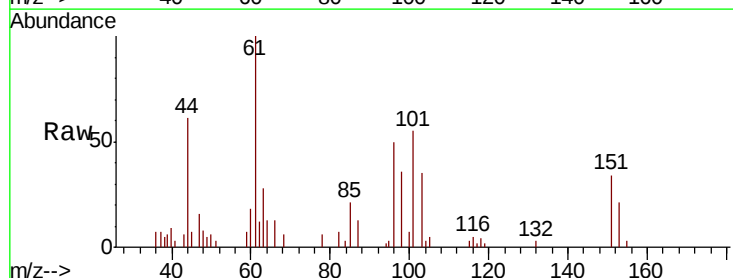
Tgt Ion:101 Resp: 4503

Ion Ratio Lower Upper

101 100

85 40.1 36.2 54.2

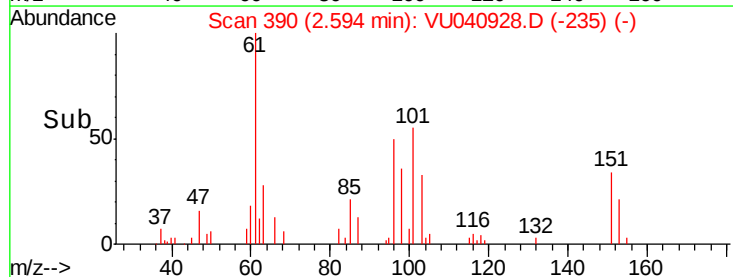
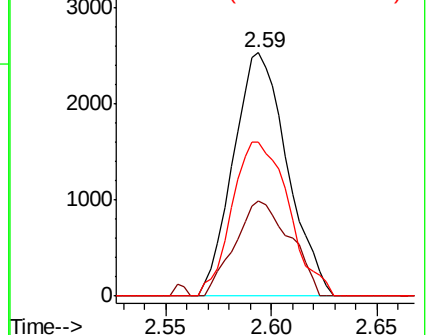
151 66.7 55.1 82.7

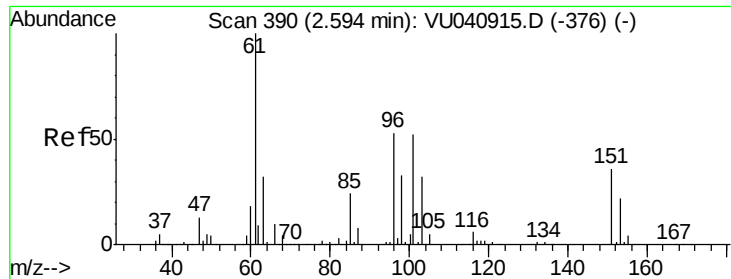


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 0.284 ug/l

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

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ClientSampleId :

MDL-WATER-03-QT4-2020

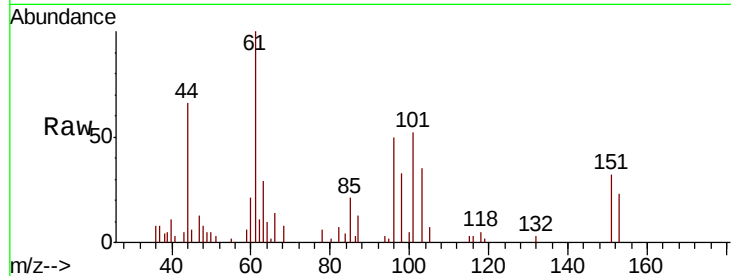
Tot Ion: 96 Resp: 4140

Ion Ratio Lower Upper

96 100

61 193.1 0.0 561.9

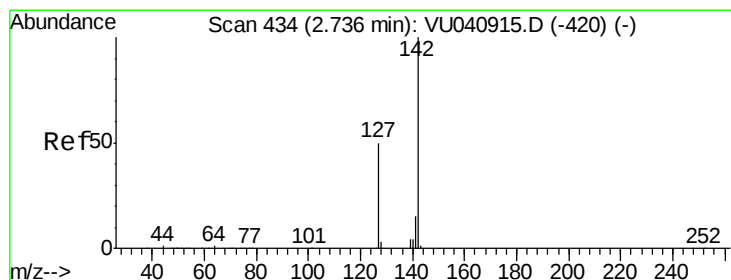
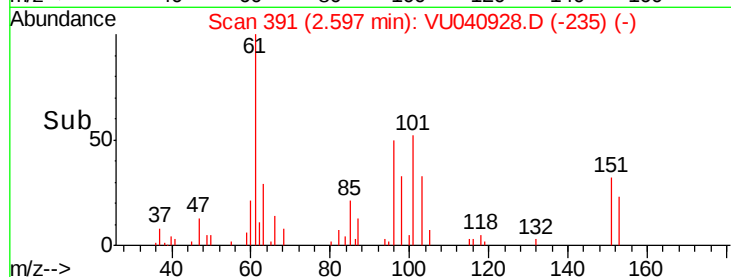
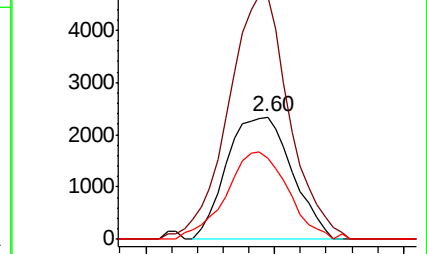
98 61.8 0.0 125.0



Abundance Ion 96.00 (95.70 to 96.70): VU040915.D (-376) (-)

Ion 61.00 (60.70 to 61.70): VU040915.D (-376) (-)

Ion 98.00 (97.70 to 98.70): VU040915.D (-376) (-)



#10

Iodomethane

Concen: 0.590 ug/l

RT: 2.74 min Scan# 435

Delta R.T. 0.00 min

Lab File: VU040928.D

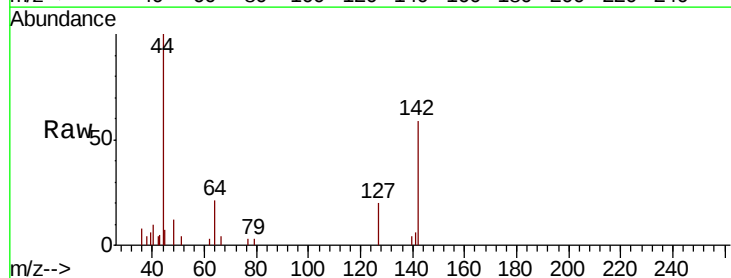
Acq: 23 Oct 2020 11:02

Tgt Ion: 142 Resp: 3565

Ion Ratio Lower Upper

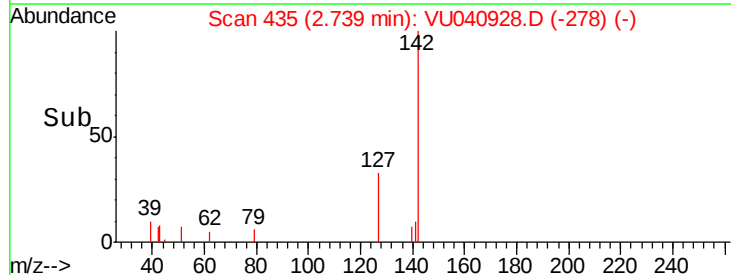
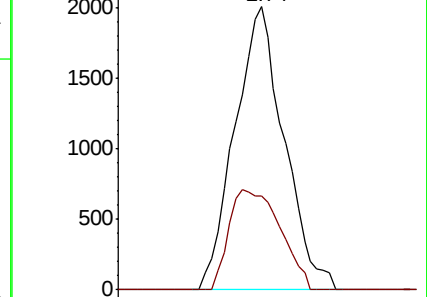
142 100

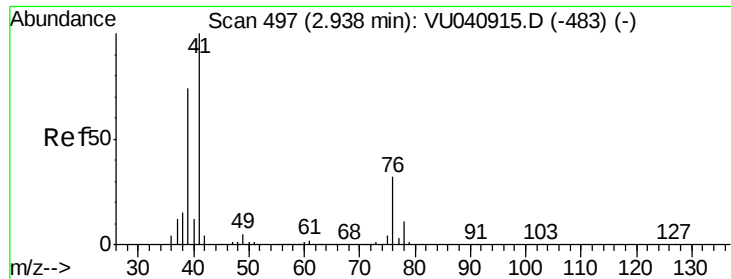
127 36.7 40.6 60.8#



Abundance Ion 142.00 (141.70 to 142.70): VU040915.D (-420) (-)

Ion 127.00 (126.70 to 127.70): VU040915.D (-420) (-)

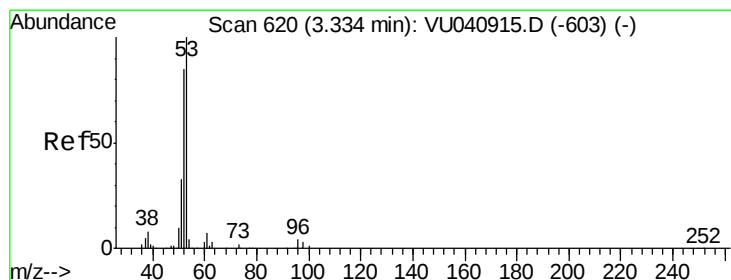
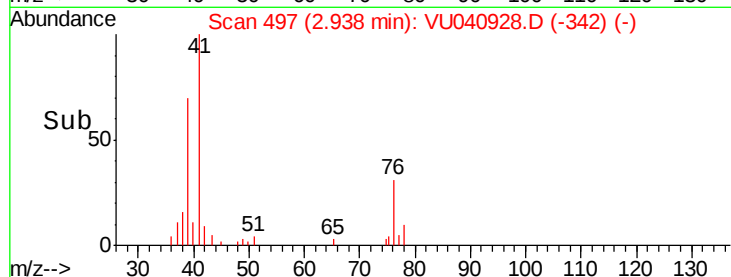
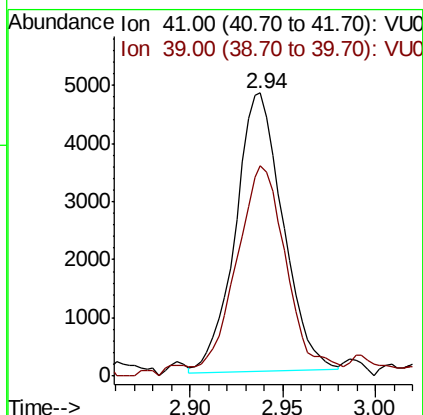
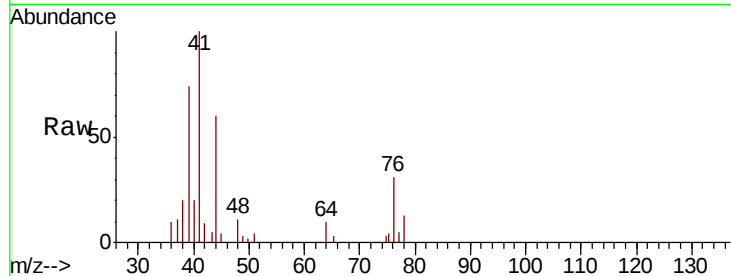




#11
Allvl Chloride
Concen: 0.286 ug/l
RT: 2.94 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

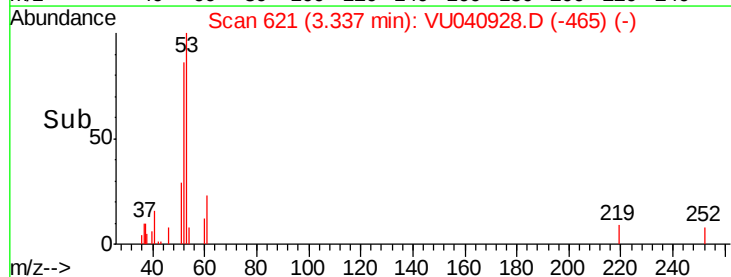
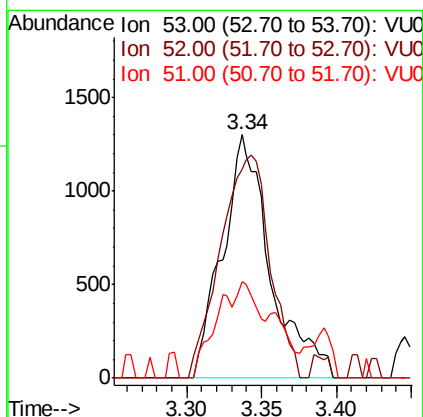
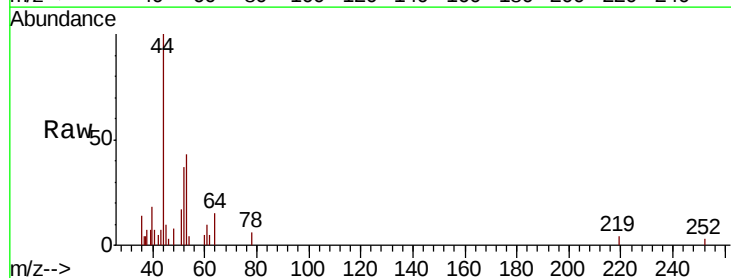
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

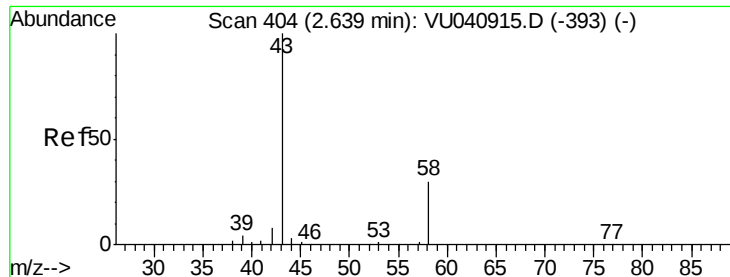
Tot Ion: 41 Resp: 8579
Ion Ratio Lower Upper
41 100
39 76.3 59.0 88.4



#12
Acrylonitrile
Concen: 0.564 ug/l
RT: 3.34 min Scan# 621
Delta R.T. 0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion: 53 Resp: 2901
Ion Ratio Lower Upper
53 100
52 94.8 63.1 94.7#
51 7.5 30.6 46.0#





#13

Acetone

Concen: 1.544 ug/l

RT: 2.64 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

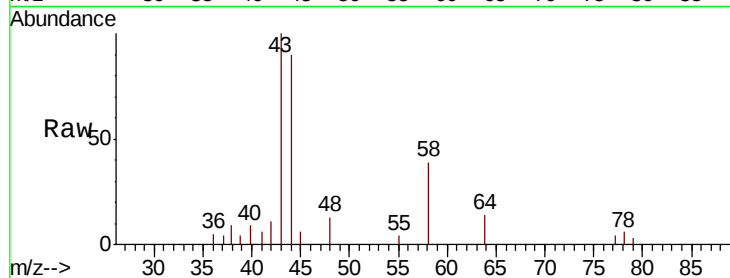
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 6648

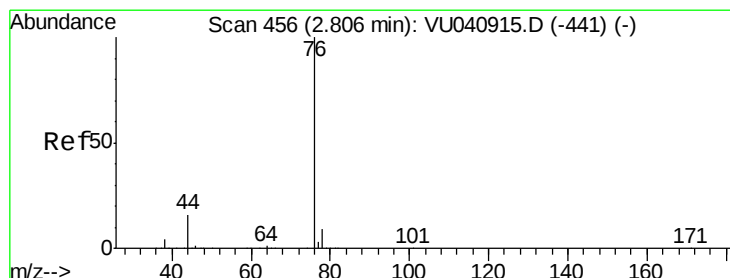
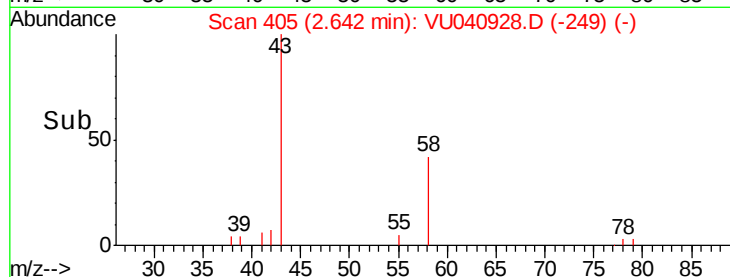
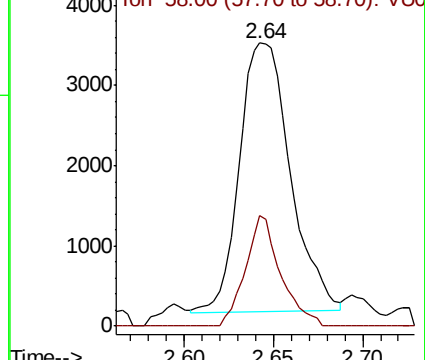
Ion Ratio Lower Upper

43 100

58 41.5 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VU040928.D (-249) (-)



#14

Carbon Disulfide

Concen: 0.296 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040928.D

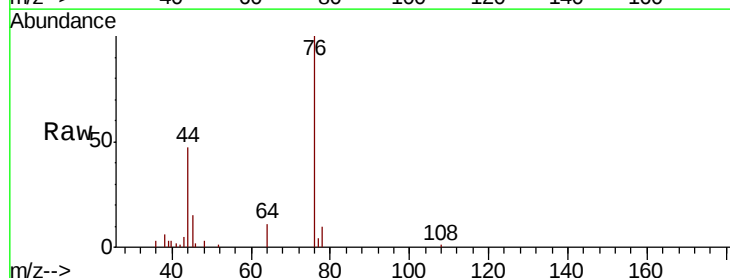
Acq: 23 Oct 2020 11:02

Tgt Ion: 76 Resp: 16203

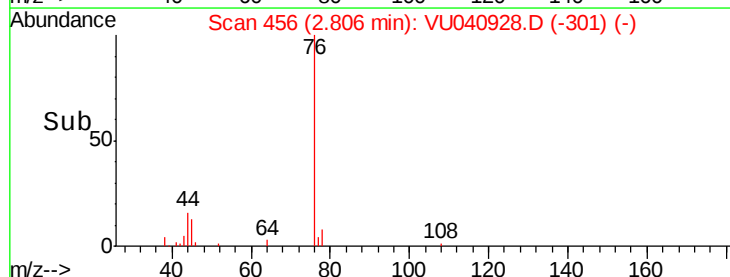
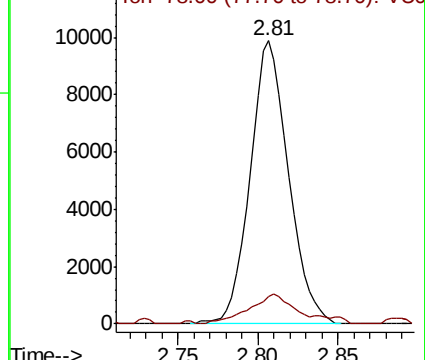
Ion Ratio Lower Upper

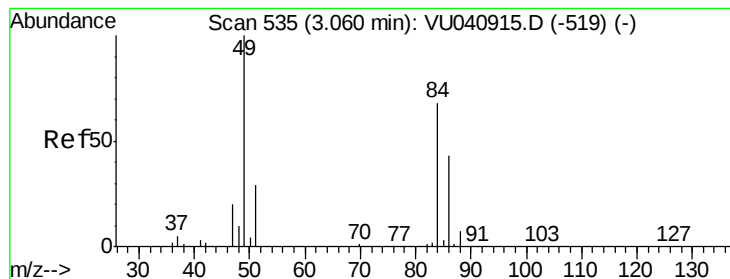
76 100

78 8.5 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU040928.D (-301) (-)





#15

Methylene Chloride

Concen: 0.331 ug/l

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 84 Resp: 6274

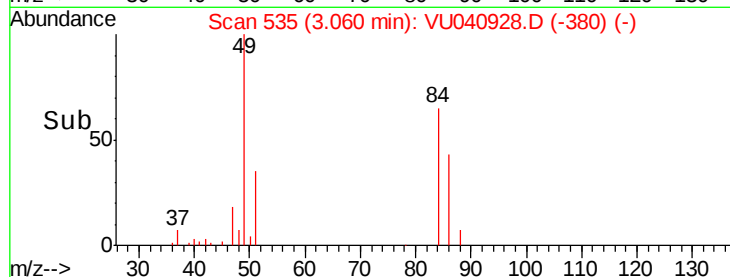
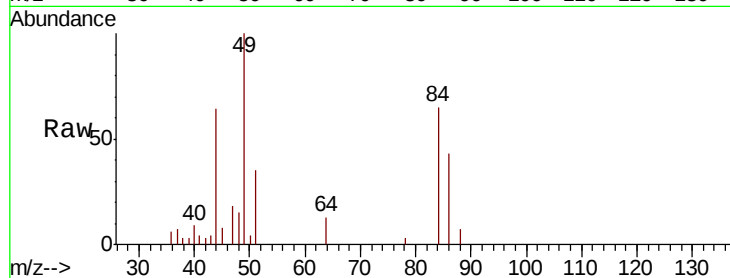
Ion Ratio Lower Upper

84 100

49 155.0 118.2 177.4

51 55.0 0.0 86.8

86 66.6 51.2 76.8

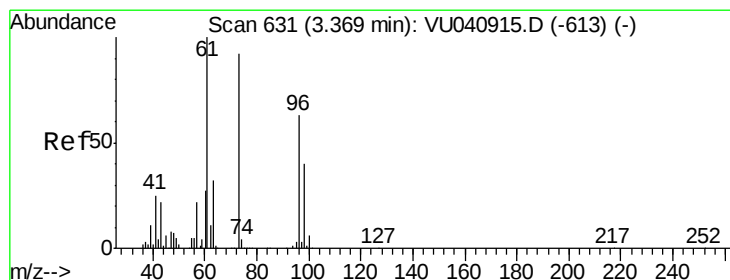
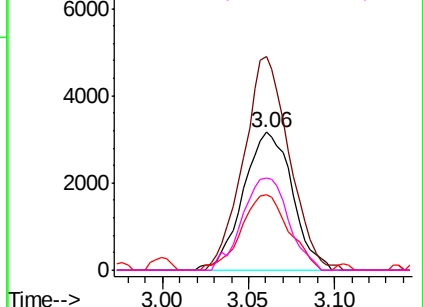


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 0.294 ug/l

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

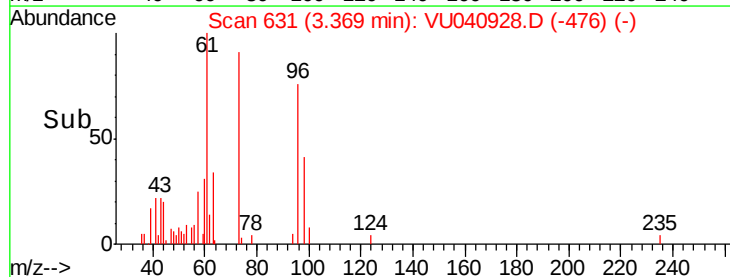
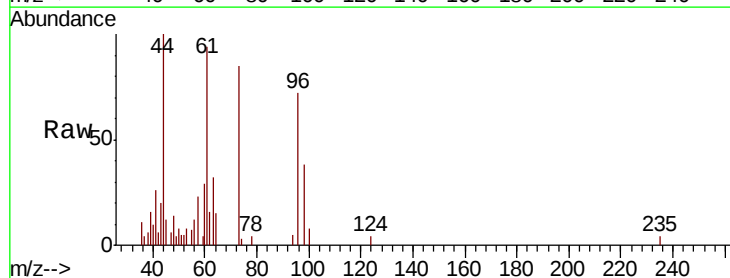
Tgt Ion: 96 Resp: 4852

Ion Ratio Lower Upper

96 100

61 130.9 127.0 190.4

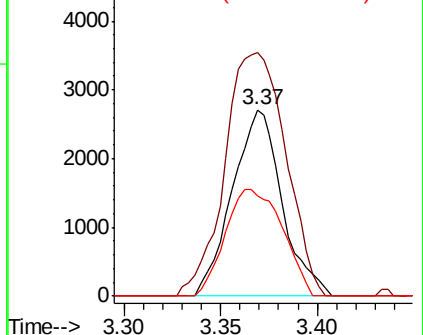
98 53.7 51.2 76.8

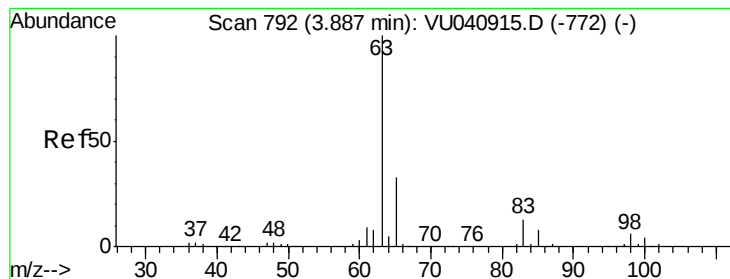


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

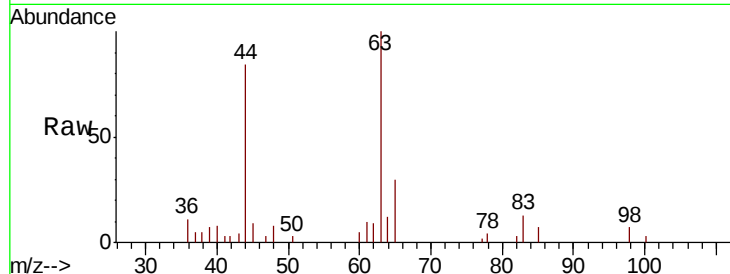




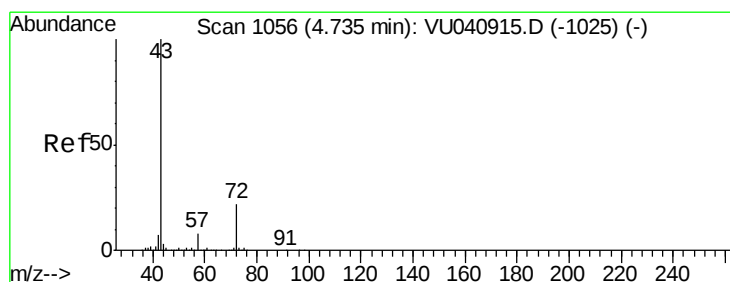
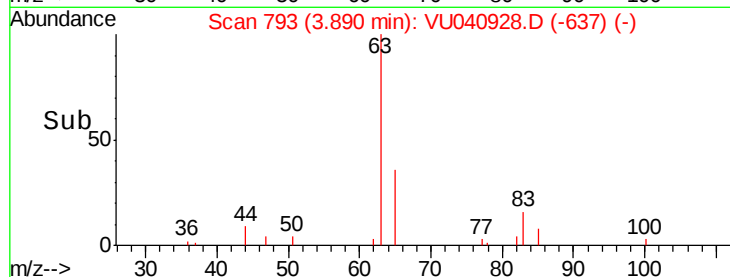
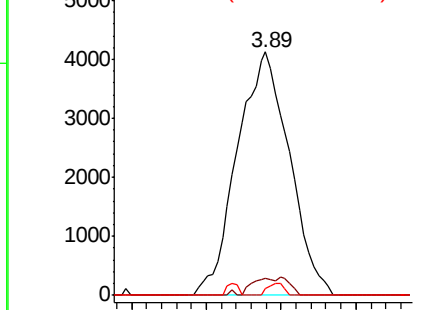
#17
 1,1-Dichloroethane
 Concen: 0.296 ug/l
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion: 63 Resp: 9994
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.0 9.2
 100 2.6 1.8 5.5

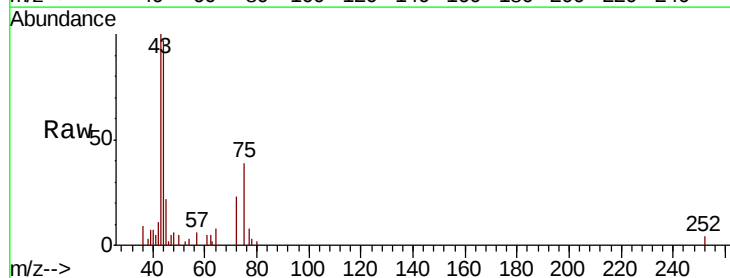


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

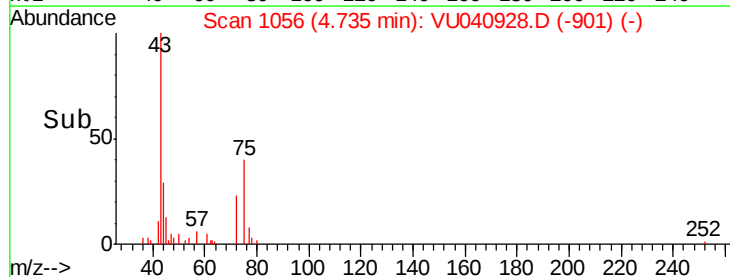
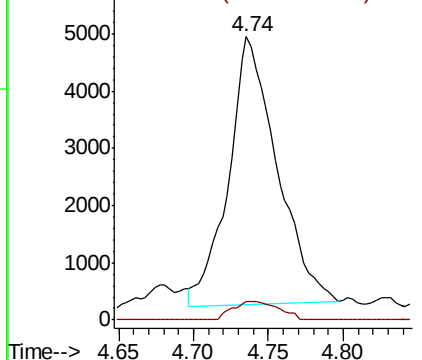


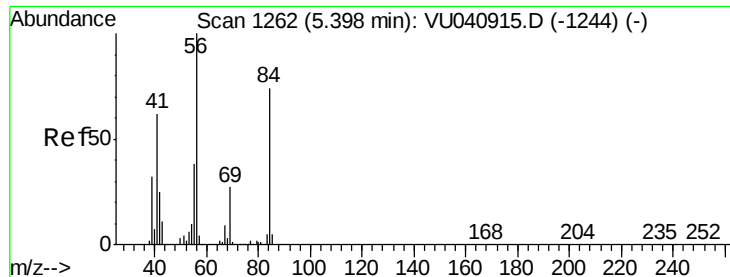
#18
 2-Butanone
 Concen: 1.518 ug/l
 RT: 4.74 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion: 43 Resp: 10573
 Ion Ratio Lower Upper
 43 100
 57 6.8 0.0 15.2



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

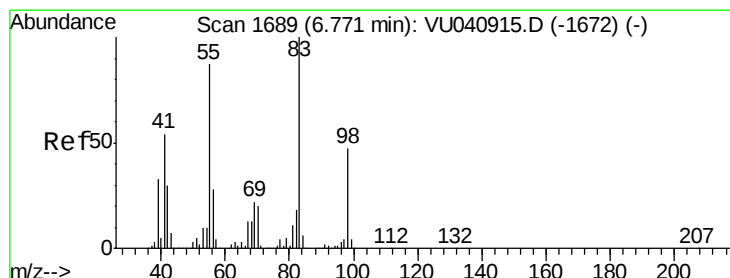
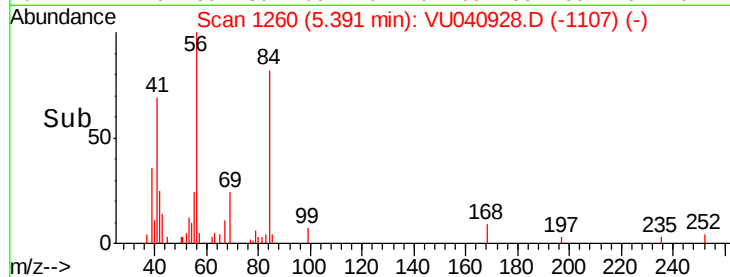
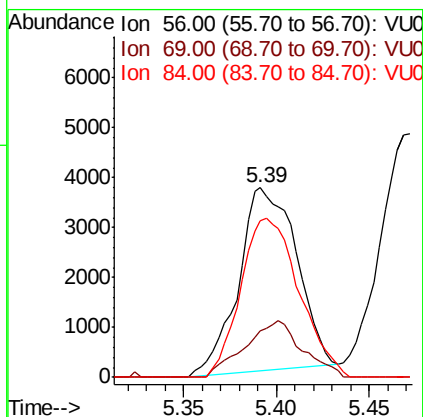
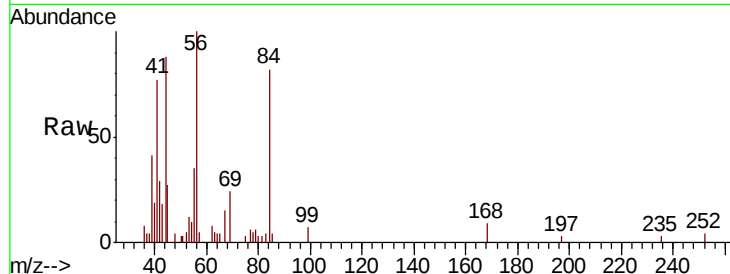




#19
Cyclohexane
Concen: 0.251 ug/l
RT: 5.39 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

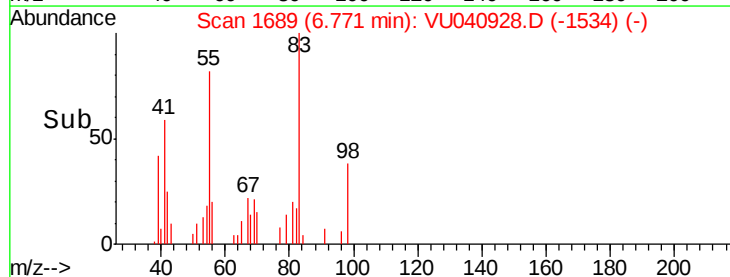
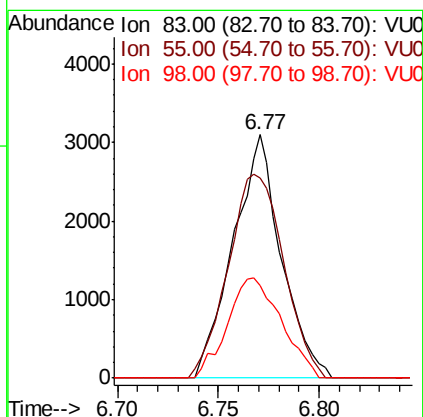
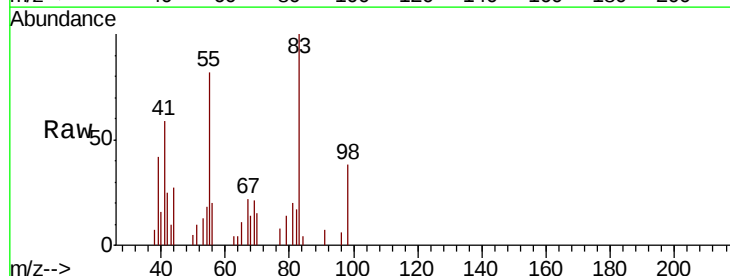
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

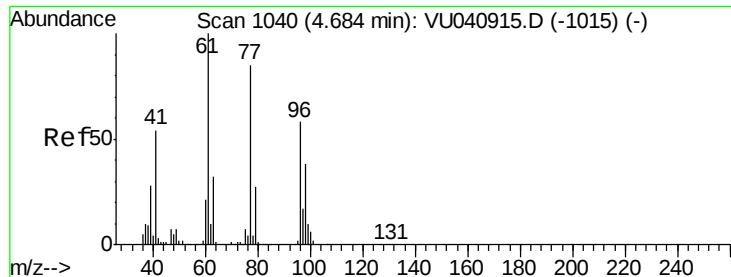
Tot Ion: 56 Resp: 7965
Ion Ratio Lower Upper
56 100
69 30.5 22.2 33.2
84 87.6 60.1 90.1



#20
Methylcyclohexane
Concen: 0.217 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion: 83 Resp: 5160
Ion Ratio Lower Upper
83 100
55 96.7 71.0 106.4
98 45.9 38.1 57.1





#21

2,2-Dichloropropane

Concen: 0.324 ug/l

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

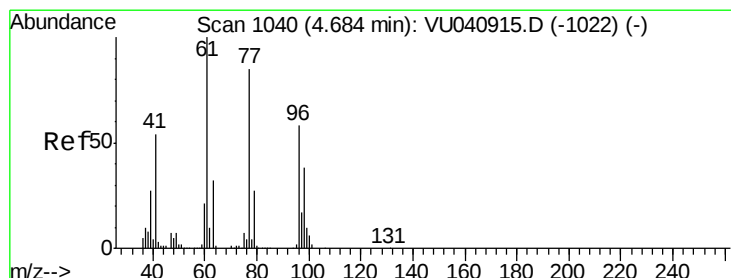
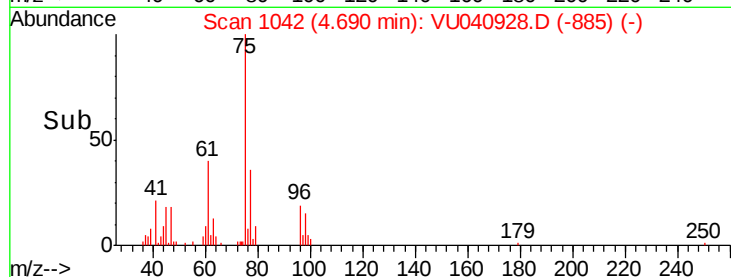
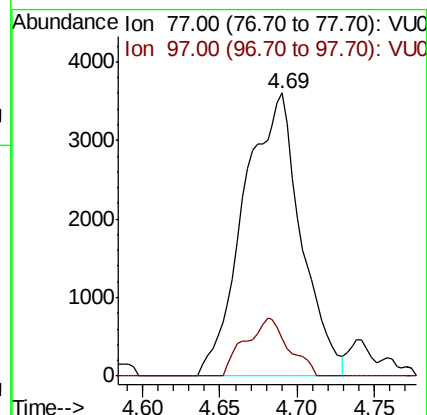
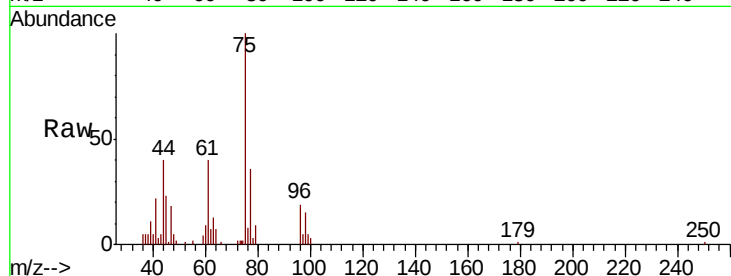
MDL-WATER-03-QT4-2020

Tot Ion: 77 Resp: 9233

Ion Ratio Lower Upper

77 100

97 15.5 16.0 24.0#



#22

cis-1,2-Dichloroethene

Concen: 0.264 ug/l

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

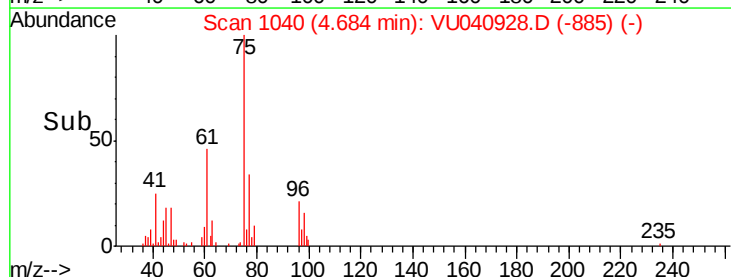
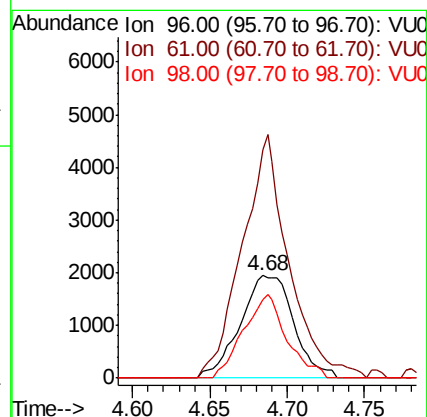
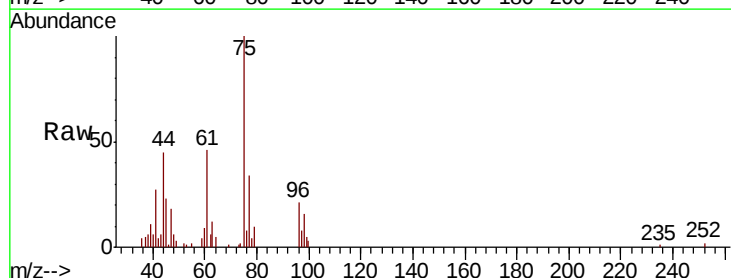
Tgt Ion: 96 Resp: 4648

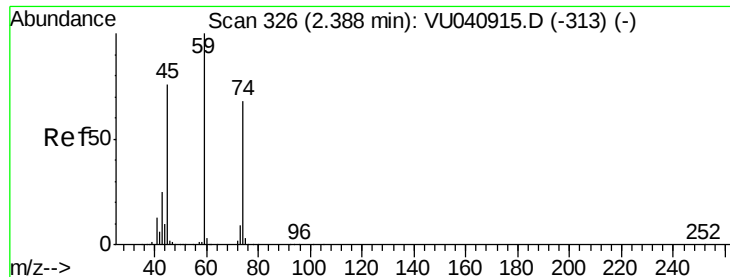
Ion Ratio Lower Upper

96 100

61 209.0 0.0 434.5

98 66.3 32.6 97.8

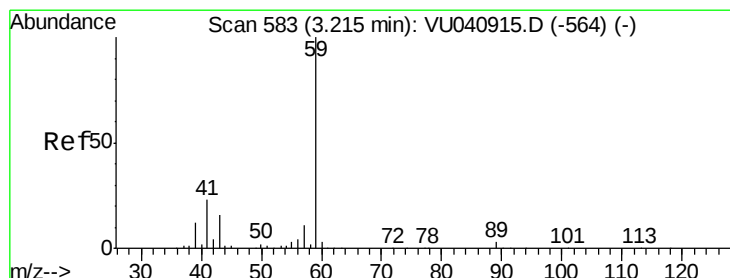
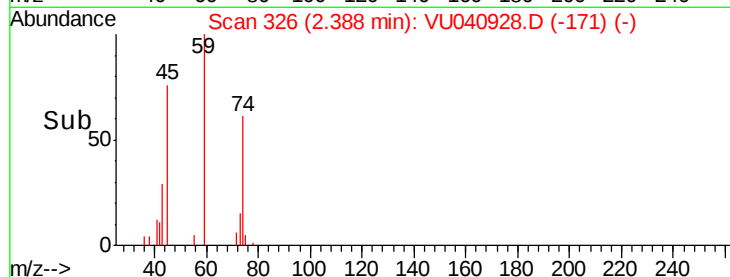
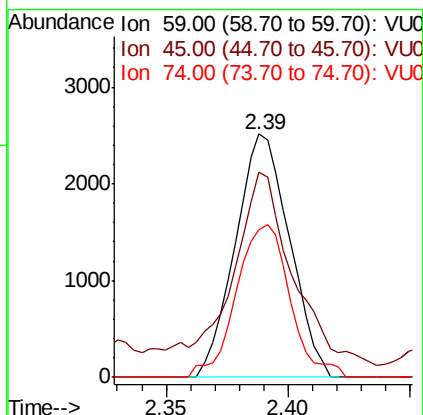
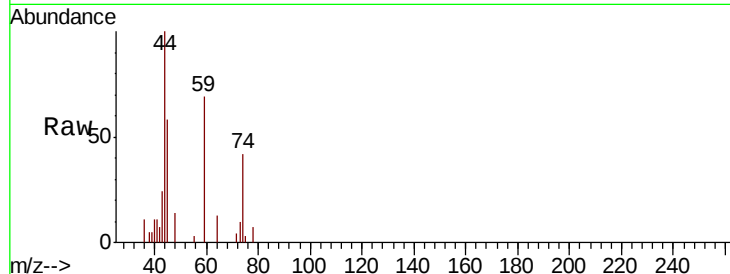




#23
Diethyl Ether
Concen: 0.268 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

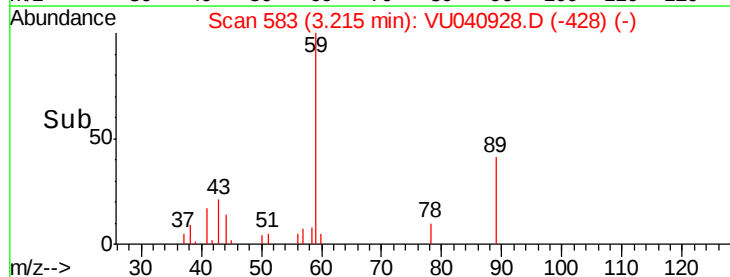
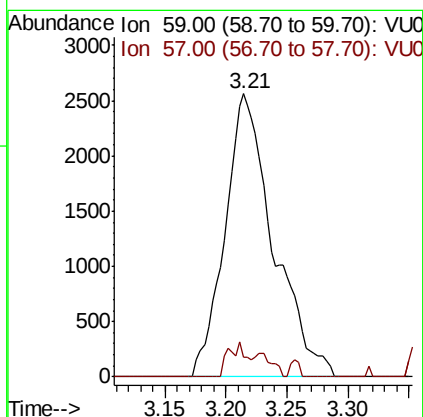
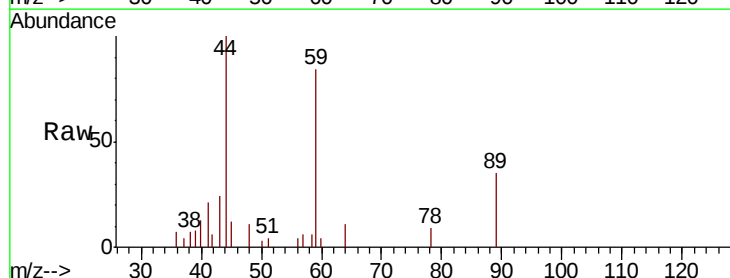
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

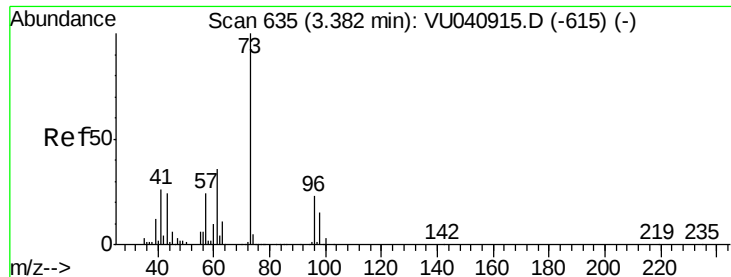
Tot Ion: 59 Resp: 3863
Ion Ratio Lower Upper
59 100
45 85.3 61.4 92.2
74 62.2 55.0 82.4



#24
tert-Butyl Alcohol
Concen: 4.391 ug/l
RT: 3.21 min Scan# 583
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion: 59 Resp: 7056
Ion Ratio Lower Upper
59 100
57 2.9 8.4 12.6#





#25

Methyl tert-Butyl Ether

Concen: 0.269 ug/l

RT: 3.38 min Scan# 635

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

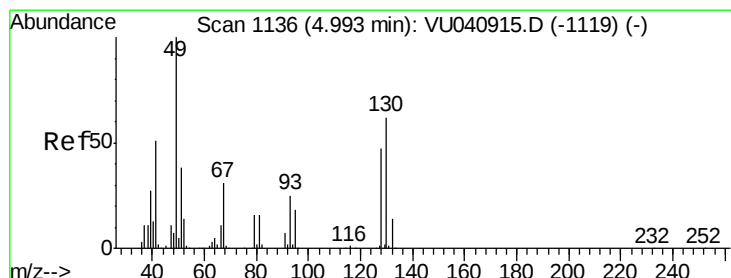
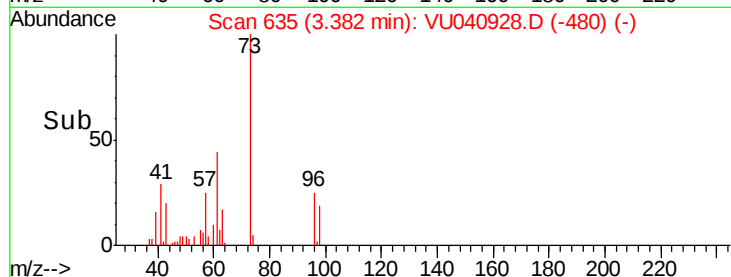
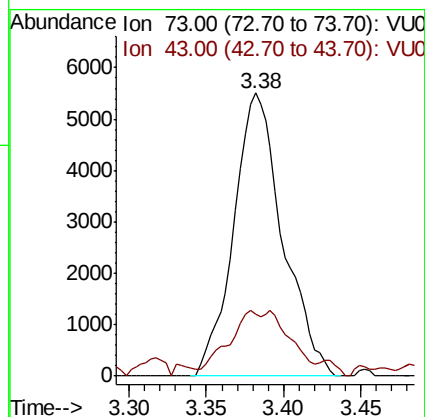
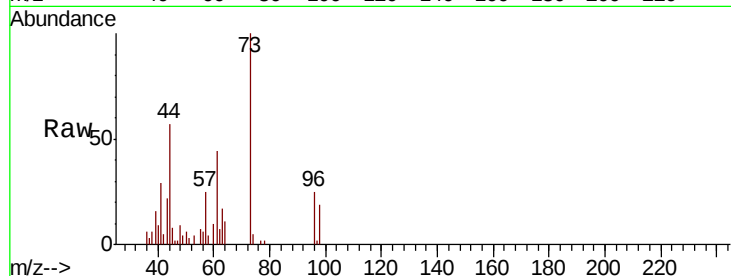
MDL-WATER-03-QT4-2020

Tot Ion: 73 Resp: 12158

Ion Ratio Lower Upper

73 100

43 12.7 19.0 28.6#



#26

Bromochloromethane

Concen: 0.290 ug/l

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

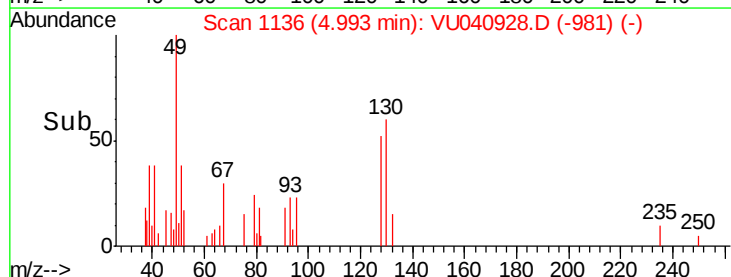
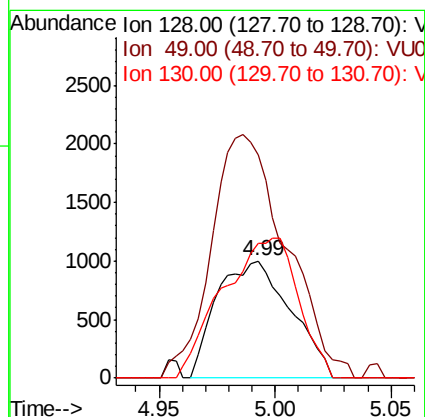
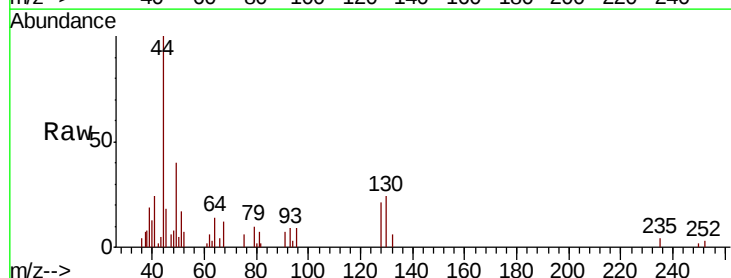
Tgt Ion: 128 Resp: 2219

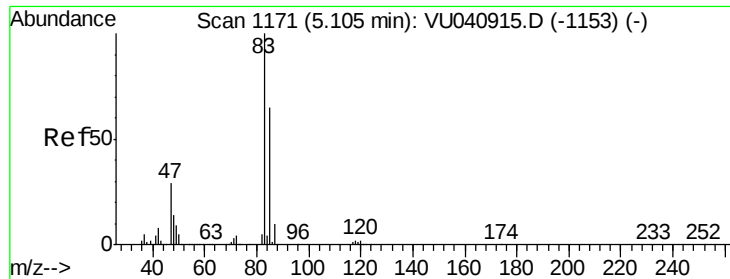
Ion Ratio Lower Upper

128 100

49 210.4 0.0 426.4

130 122.5 106.2 159.4

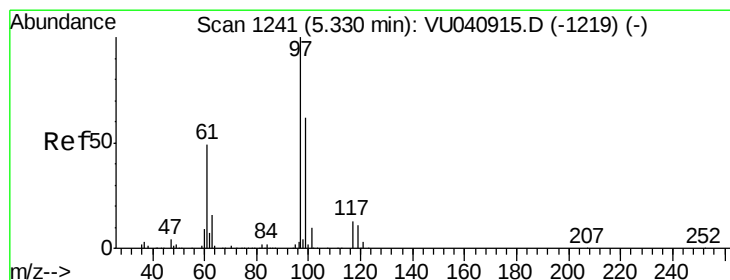
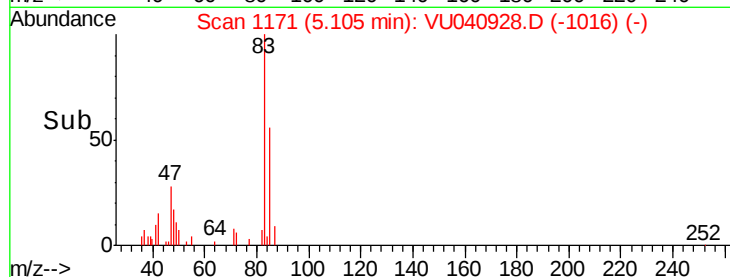
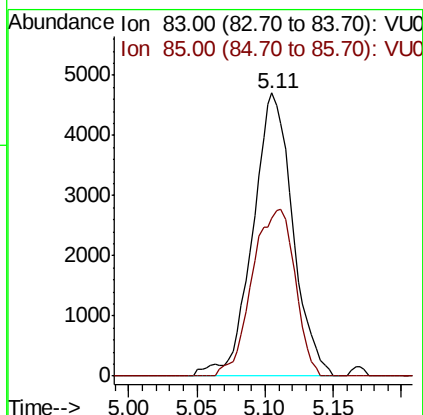
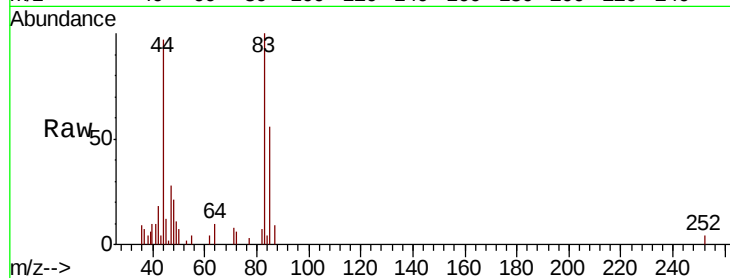




#27
Chloroform
Concen: 0.296 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

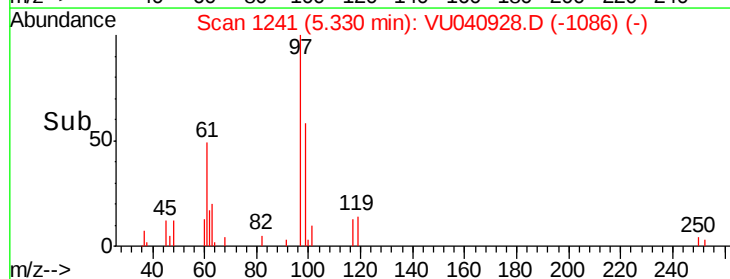
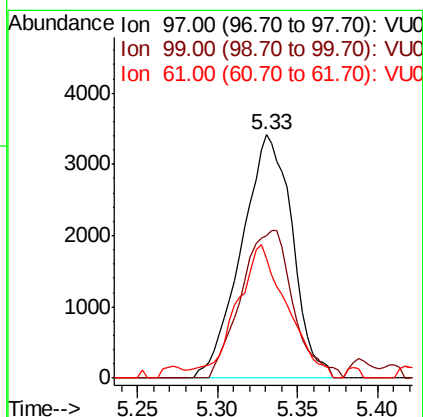
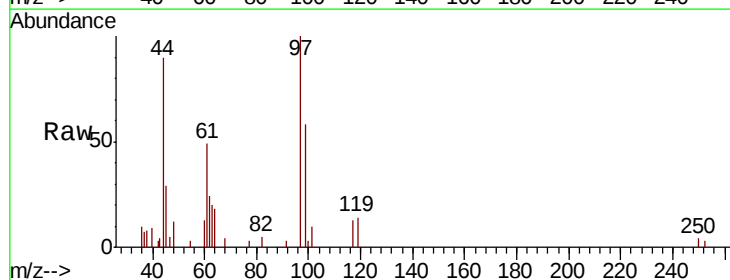
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

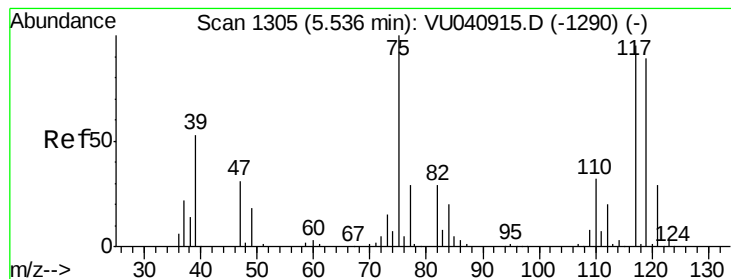
Tot Ion: 83 Resp: 9565
Ion Ratio Lower Upper
83 100
85 55.7 0.0 129.0



#28
1,1,1-Trichloroethane
Concen: 0.267 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion: 97 Resp: 7440
Ion Ratio Lower Upper
97 100
99 61.8 31.4 94.3
61 54.4 24.7 74.1





#29

1,1-Dichloropropene

Concen: 0.261 ug/l

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

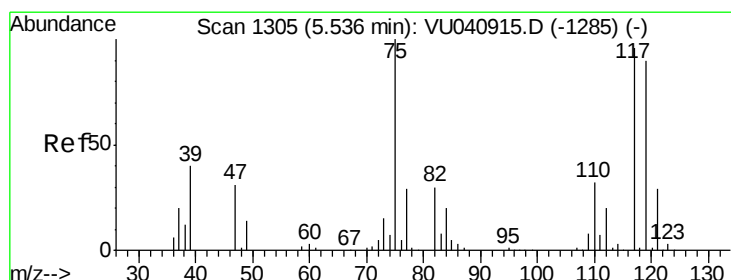
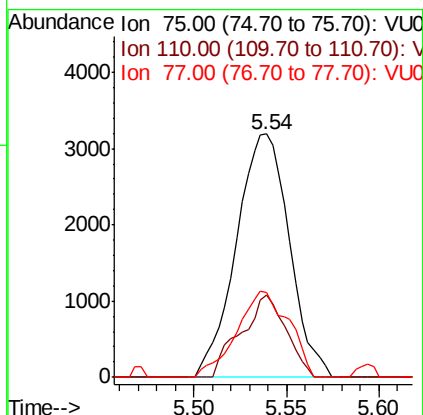
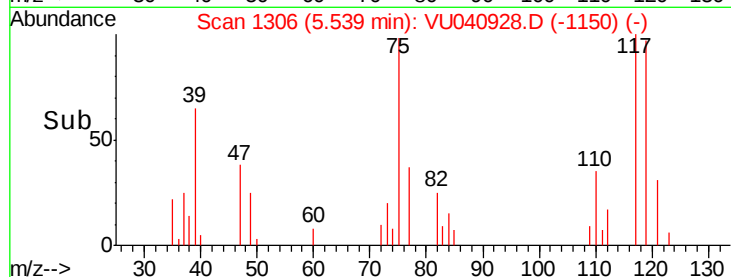
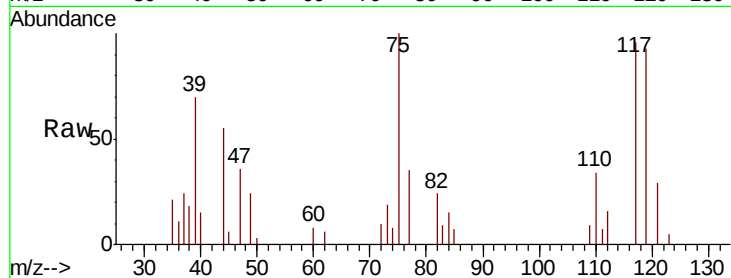
Tot Ion: 75 Resp: 6367

Ion Ratio Lower Upper

75 100

110 28.9 15.9 47.6

77 34.6 24.2 36.2



#30

Carbon Tetrachloride

Concen: 0.280 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

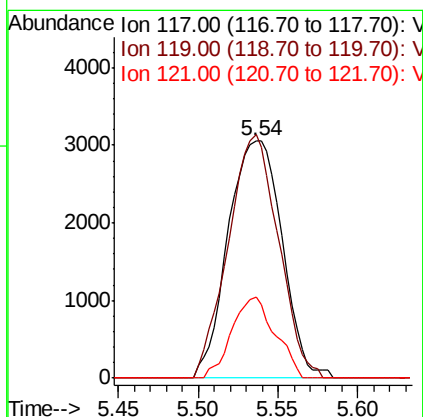
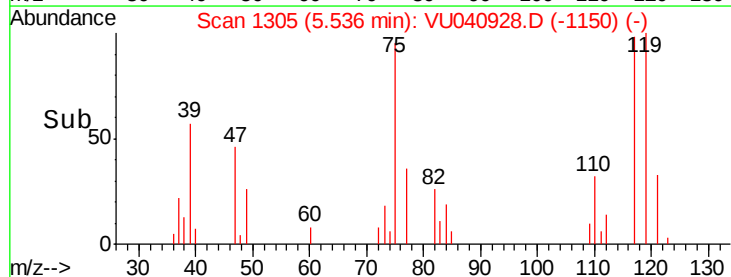
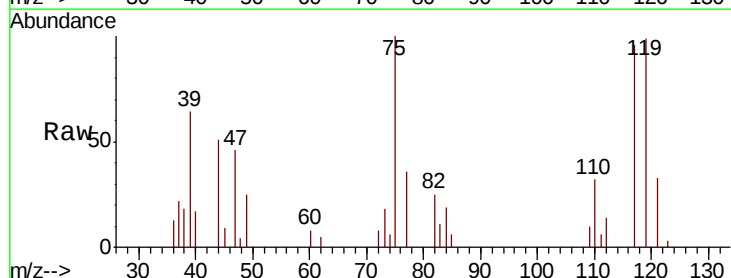
Tgt Ion: 117 Resp: 7064

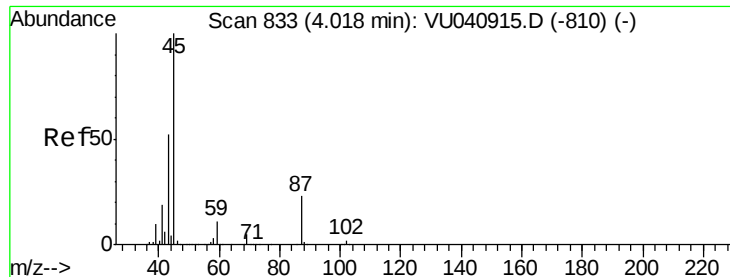
Ion Ratio Lower Upper

117 100

119 102.5 74.9 112.3

121 34.1 24.1 36.1





#31

Isopropyl Ether

Concen: 0.258 ug/l

RT: 4.02 min Scan# 832

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

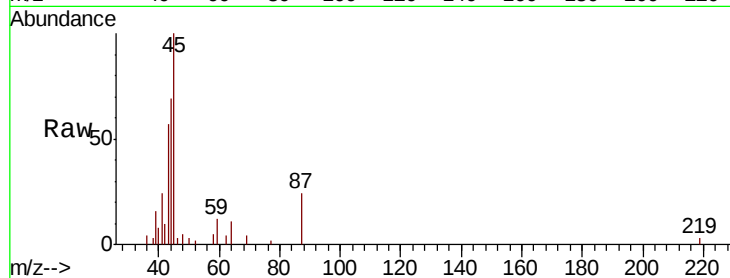
MDL-WATER-03-QT4-2020

Tot Ion: 45 Resp: 13482

Ion Ratio Lower Upper

45 100

43 64.5 26.8 80.3



Abundance Ion 45.00 (44.70 to 45.70): VU040928.D (-832) (-)

Ion 43.00 (42.70 to 43.70): VU040928.D (-832) (-)

4.02

6000

5000

4000

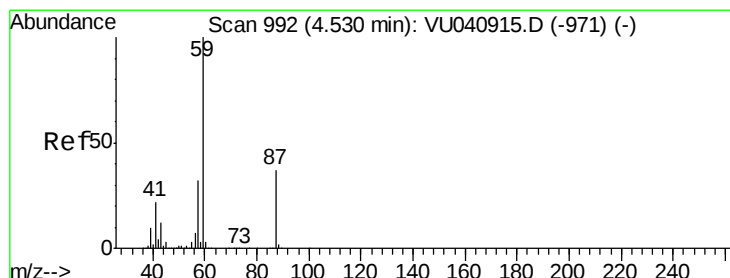
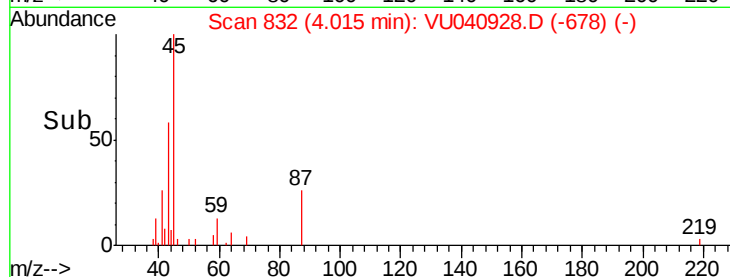
3000

2000

1000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 0.276 ug/l

RT: 4.54 min Scan# 994

Delta R.T. 0.01 min

Lab File: VU040928.D

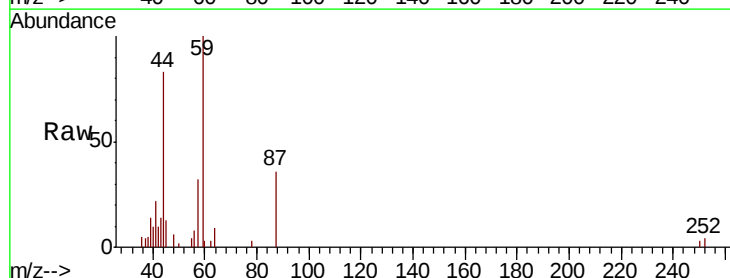
Acq: 23 Oct 2020 11:02

Tgt Ion: 59 Resp: 12679

Ion Ratio Lower Upper

59 100

87 36.6 30.6 46.0



Abundance Ion 59.00 (58.70 to 59.70): VU040928.D (-994) (-)

Ion 87.00 (86.70 to 87.70): VU040928.D (-994) (-)

4.54

5000

4000

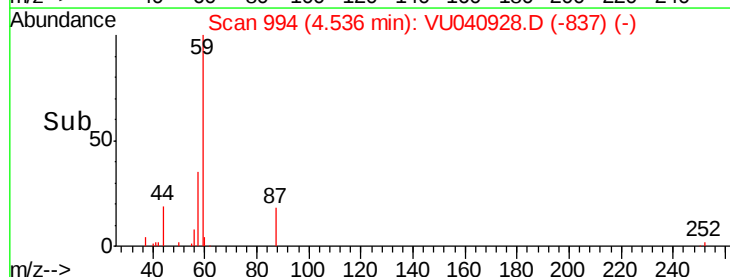
3000

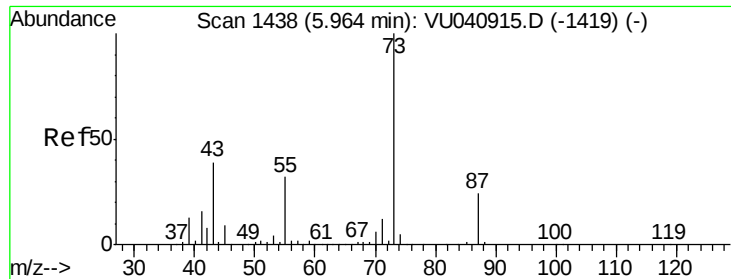
2000

1000

0

Time-->

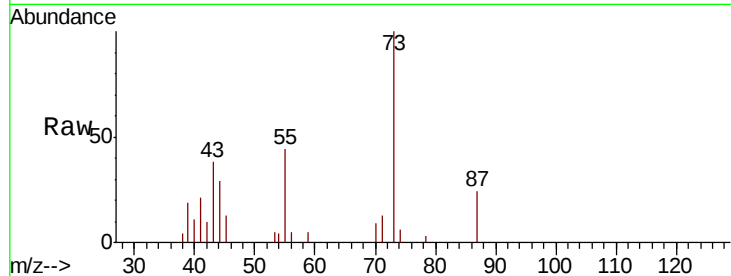




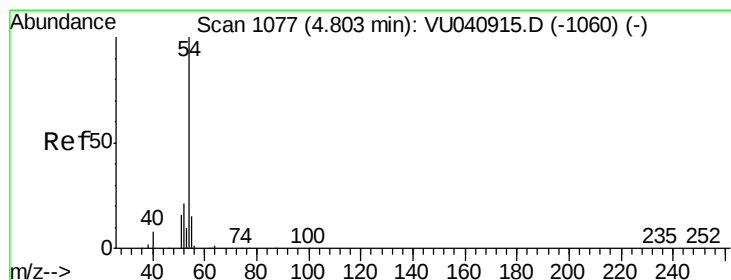
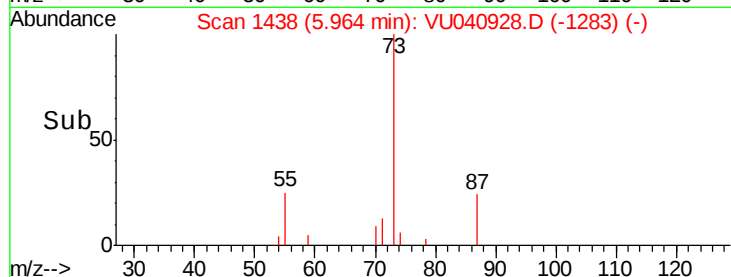
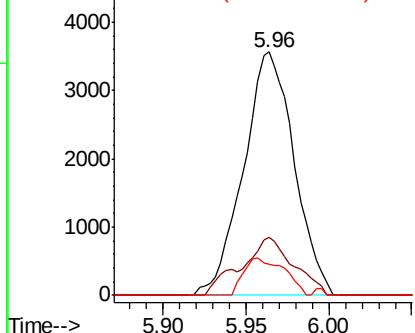
#33
Tert-Butyl methyl ether
Concen: 0.221 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 73 Resp: 7571
Ion Ratio Lower Upper
73 100
87 24.6 19.0 28.4
71 12.5 9.7 14.5

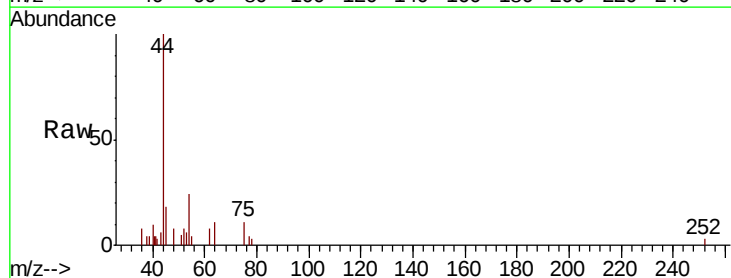


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

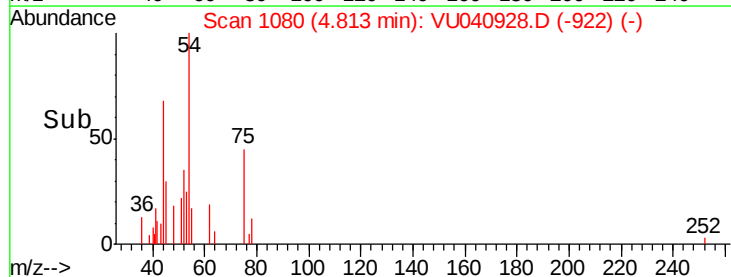
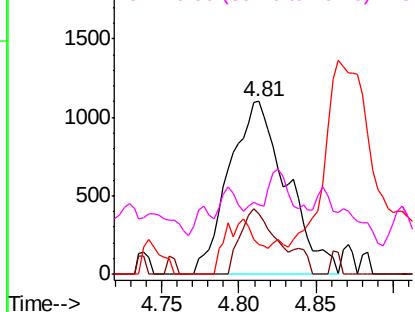


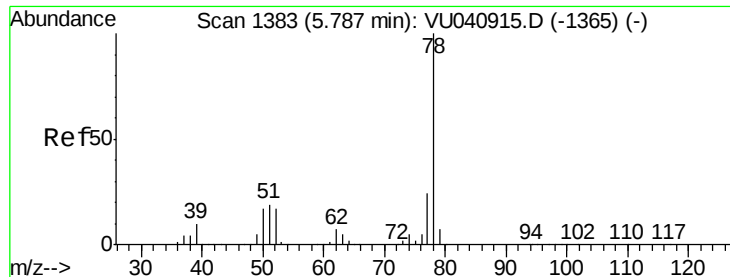
#34
Propionitrile
Concen: 1.488 ug/l
RT: 4.81 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion: 54 Resp: 2845
Ion Ratio Lower Upper
54 100
52 22.0 15.5 23.3
55 17.9 12.5 18.7
40 8.7 6.0 9.0



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





#35

Benzene

Concen: 0.262 ug/l

RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

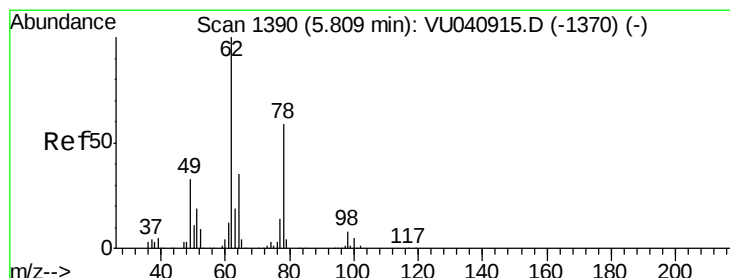
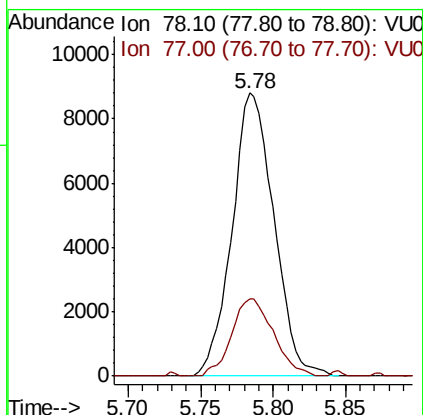
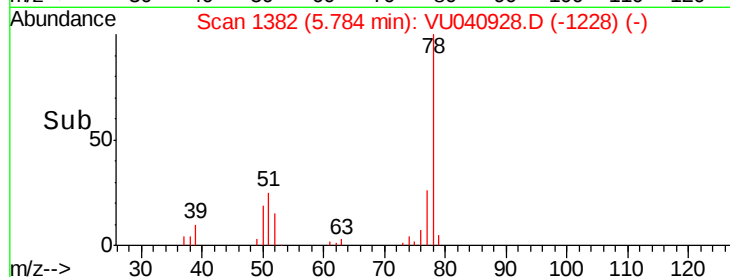
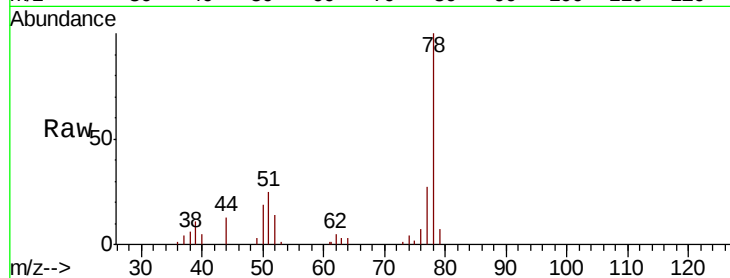
MDL-WATER-03-QT4-2020

Tot Ion: 78 Resp: 17702

Ion Ratio Lower Upper

78 100

77 27.4 19.4 29.2



#36

1,2-Dichloroethane

Concen: 0.285 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040928.D

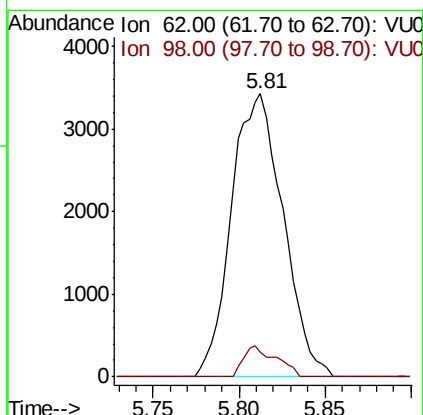
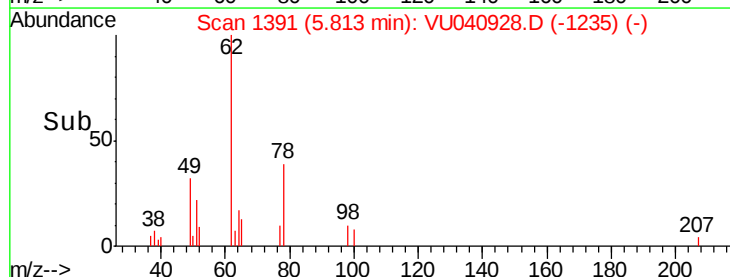
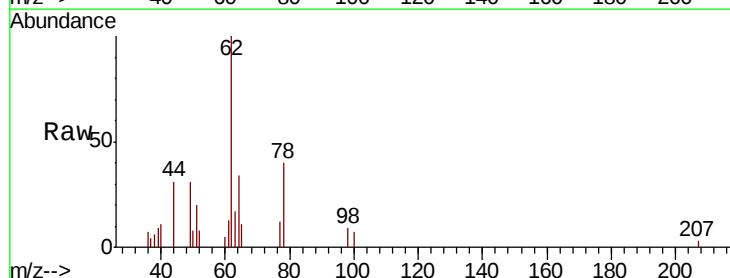
Acq: 23 Oct 2020 11:02

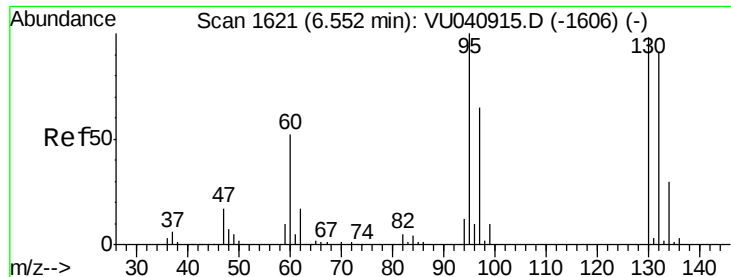
Tgt Ion: 62 Resp: 7144

Ion Ratio Lower Upper

62 100

98 6.9 6.7 10.1

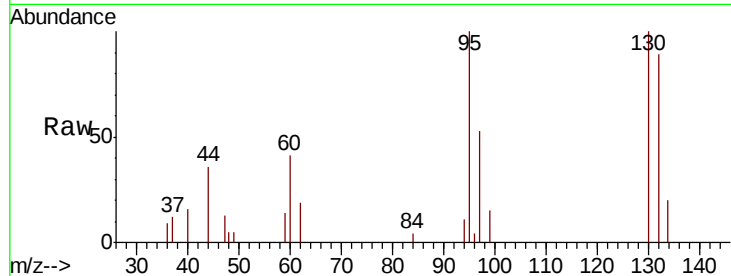




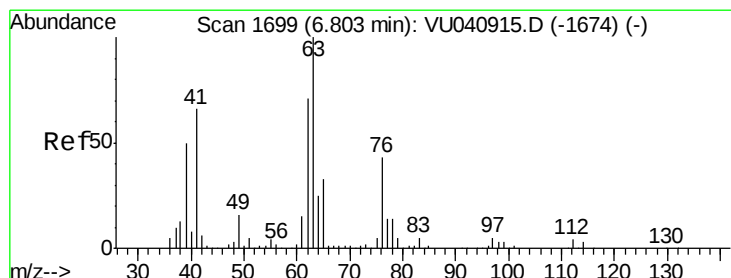
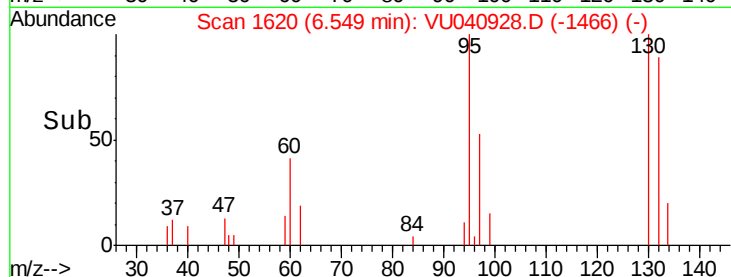
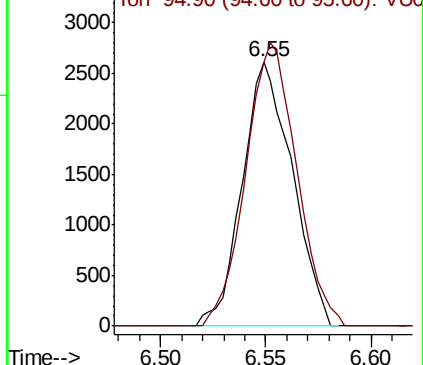
#37
 Trichloroethene
 Concen: 0.269 ug/l
 RT: 6.55 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion:130 Resp: 4303
 Ion Ratio Lower Upper
 130 100
 95 99.6 81.9 122.9

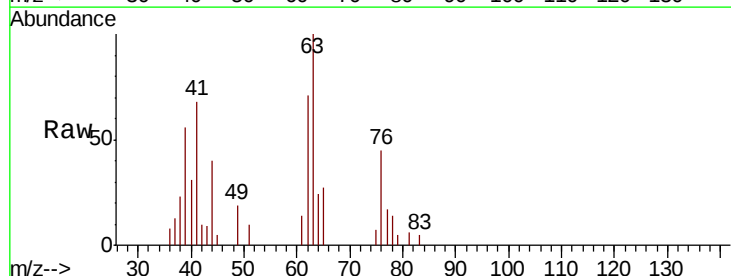


Abundance Ion 129.90 (129.60 to 130.60): VU040915.D (-1606) (-)
 Ion 94.90 (94.60 to 95.60): VU040915.D (-1606) (-)

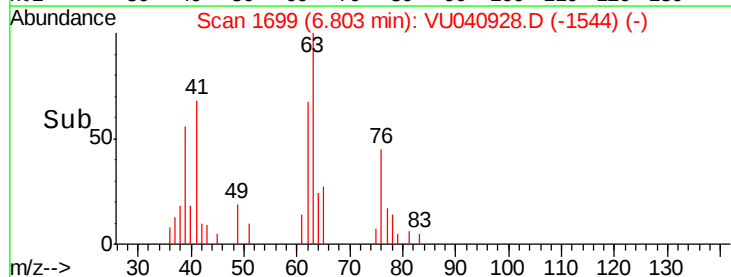
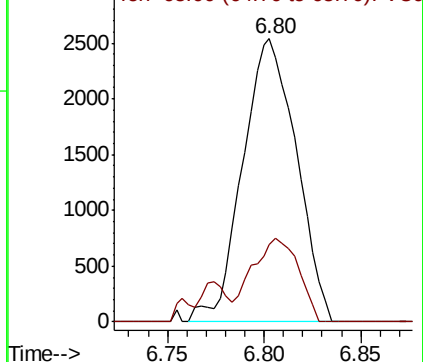


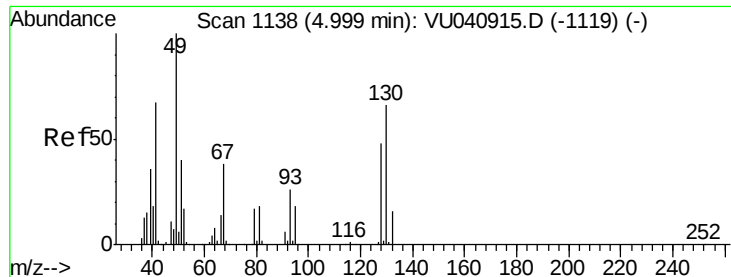
#38
 1,2-Dichloropropane
 Concen: 0.255 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion: 63 Resp: 4897
 Ion Ratio Lower Upper
 63 100
 65 27.3 26.2 39.2



Abundance Ion 63.00 (62.70 to 63.70): VU040915.D (-1674) (-)
 Ion 65.00 (64.70 to 65.70): VU040915.D (-1674) (-)

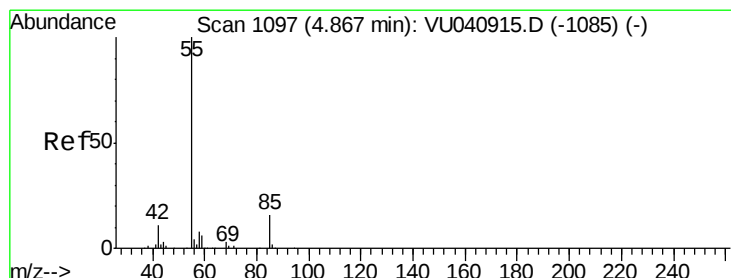
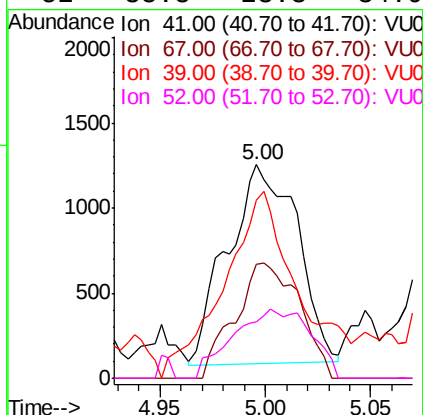
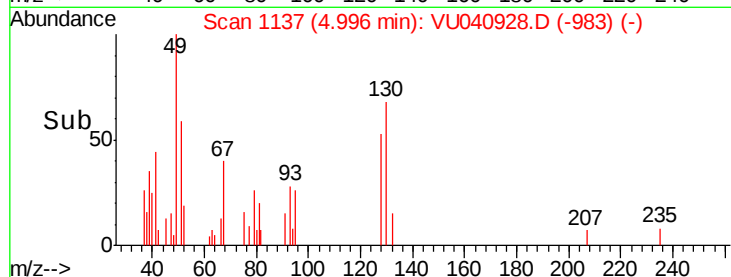
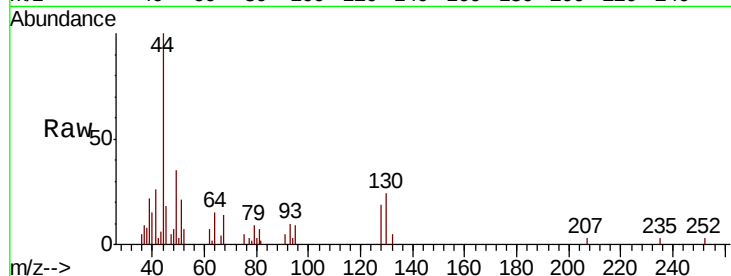




#39
Methacrylonitrile
Concen: 0.299 ug/l
RT: 5.00 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

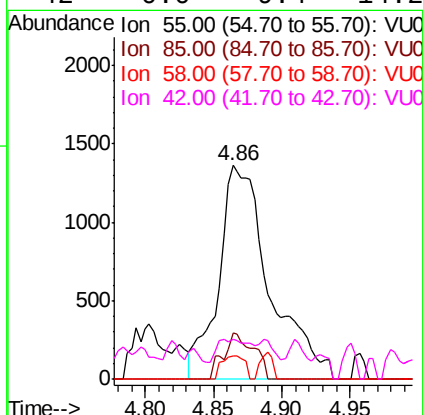
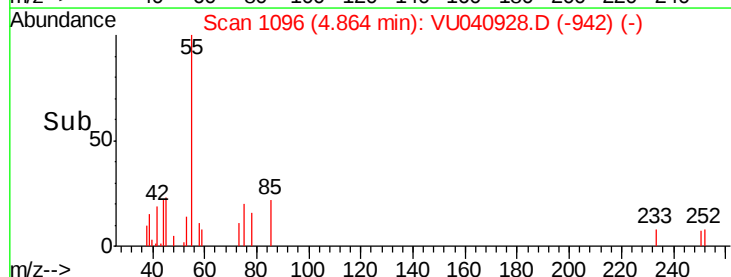
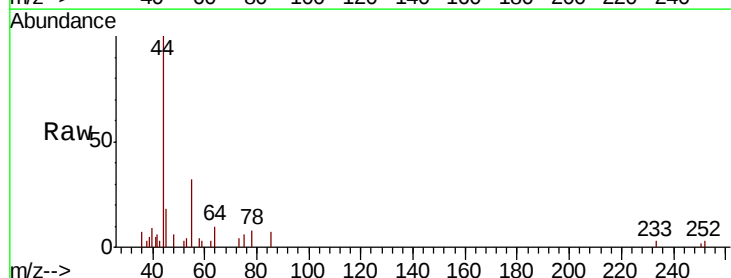
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

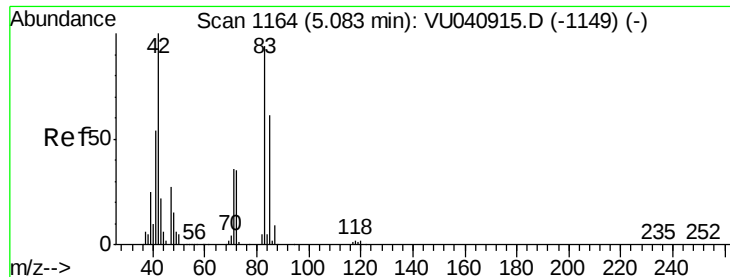
Tot Ion: 41 Resp: 2682
Ion Ratio Lower Upper
41 100
67 53.7 48.7 73.1
39 99.6 44.6 67.0#
52 38.8 23.3 34.9#



#40
Methyl acrylate
Concen: 0.289 ug/l
RT: 4.86 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion: 55 Resp: 3549
Ion Ratio Lower Upper
55 100
85 12.6 12.2 18.2
58 5.0 6.8 10.2#
42 0.0 9.4 14.2#





#41

Tetrahydrofuran

Concen: 0.828 ug/l

RT: 5.09 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

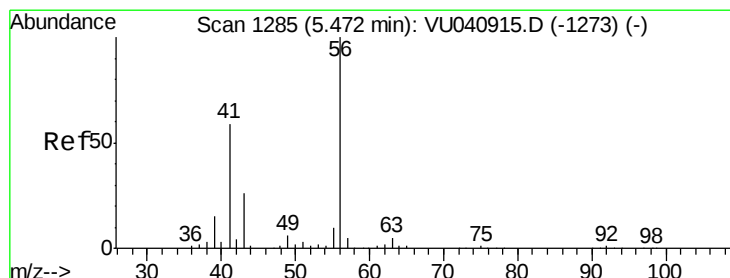
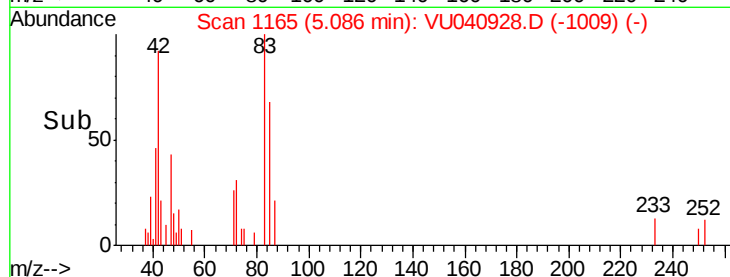
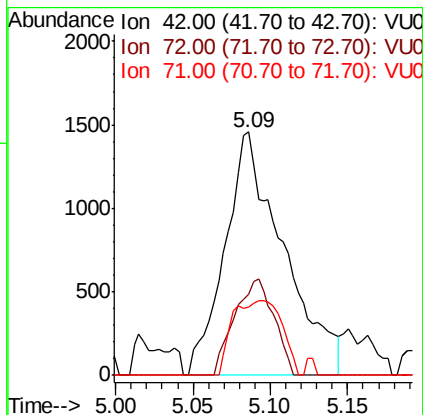
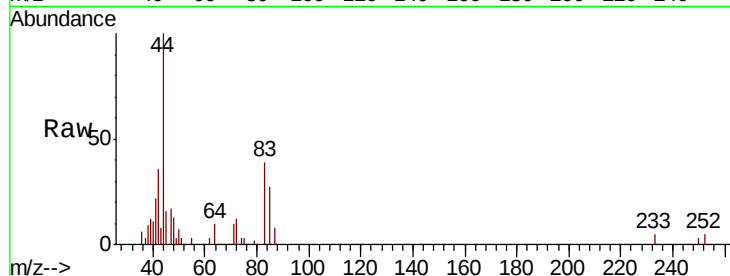
Tot Ion: 42 Resp: 3817

Ion Ratio Lower Upper

42 100

72 26.7 30.1 45.1#

71 25.9 27.9 41.9#



#42

1-Chlorobutane

Concen: 0.280 ug/l

RT: 5.47 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VU040928.D

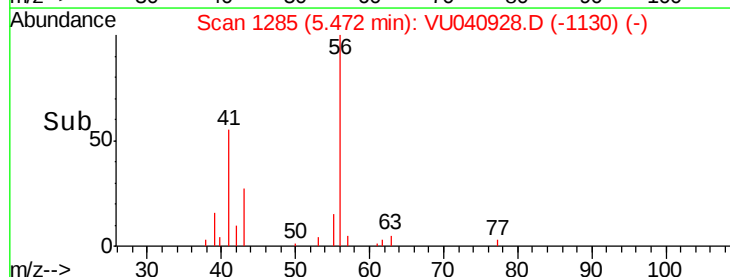
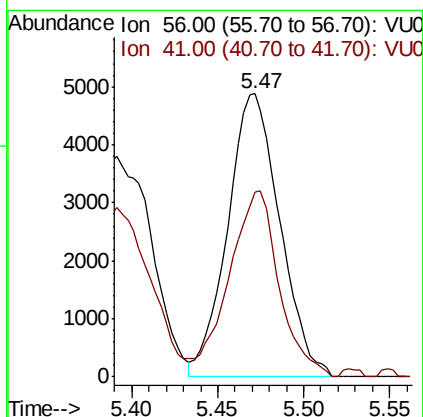
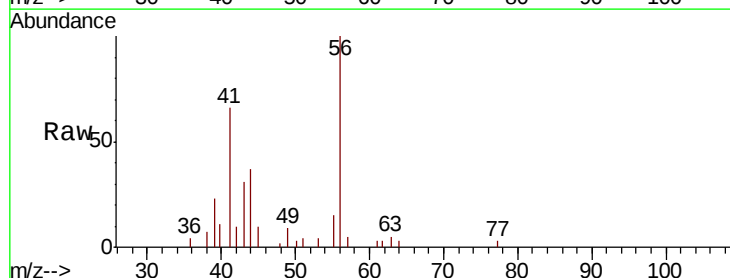
Acq: 23 Oct 2020 11:02

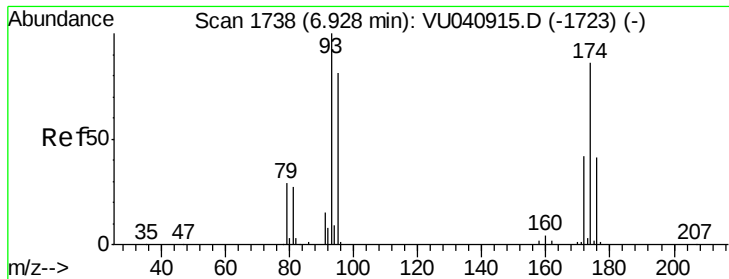
Tgt Ion: 56 Resp: 10337

Ion Ratio Lower Upper

56 100

41 62.4 29.6 88.8

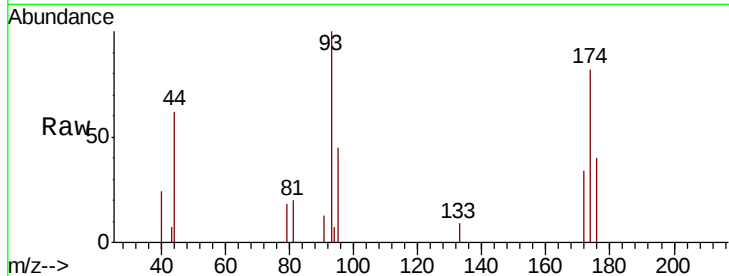




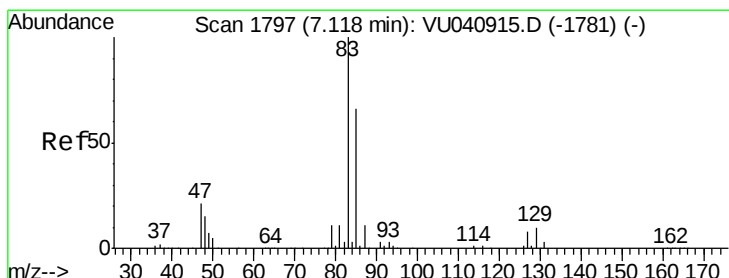
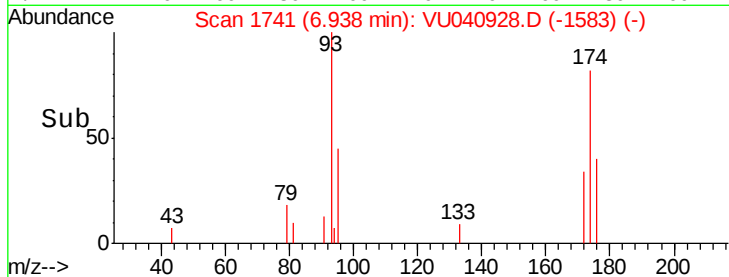
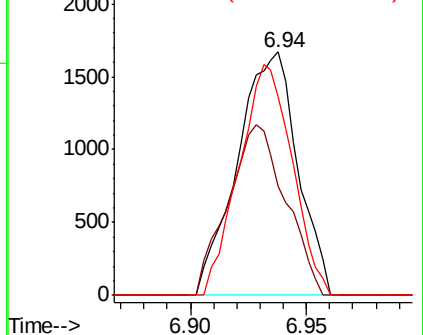
#43
Dibromomethane
Concen: 0.279 ug/l
RT: 6.94 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 93 Resp: 3003
Ion Ratio Lower Upper
93 100
95 66.9 66.3 99.5
174 83.7 70.4 105.6

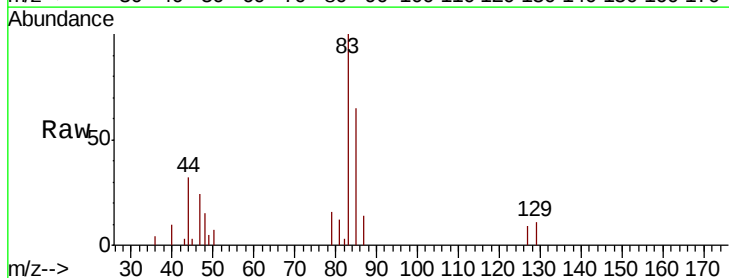


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

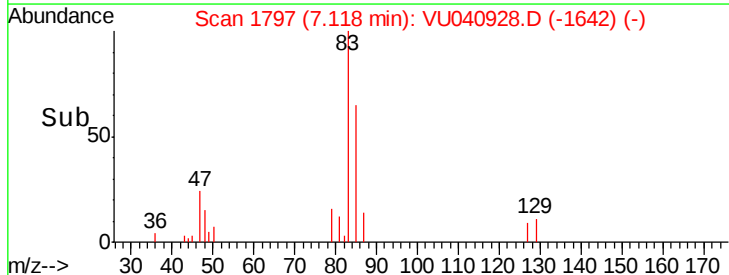
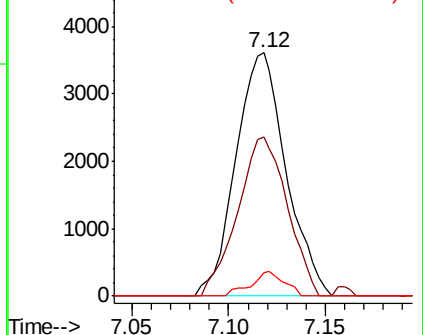


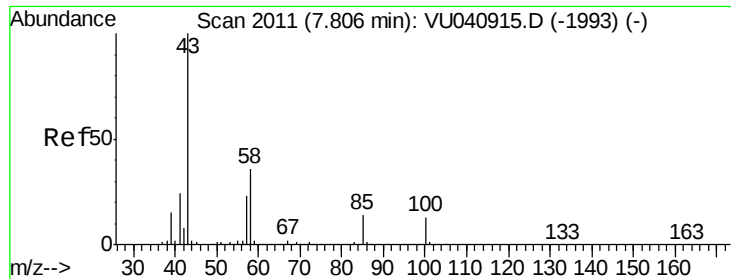
#44
Bromodichloromethane
Concen: 0.261 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion: 83 Resp: 6503
Ion Ratio Lower Upper
83 100
85 65.4 52.6 78.8
127 9.4 6.4 9.6



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

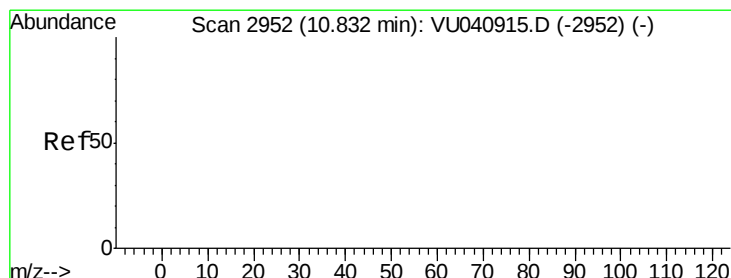
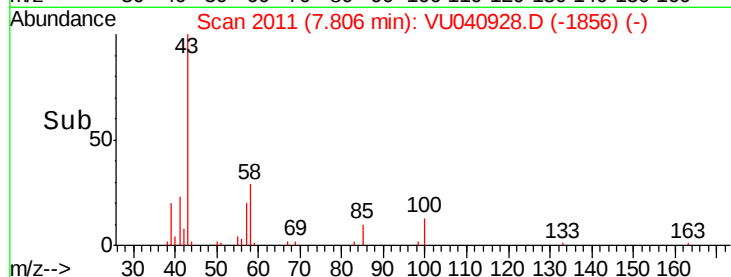
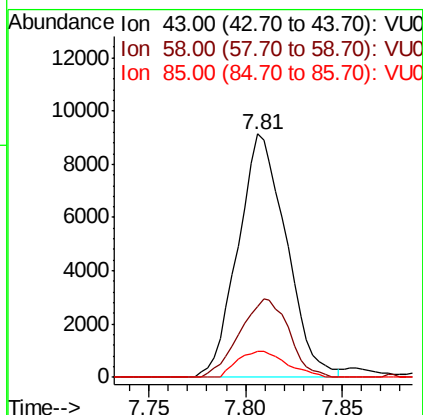
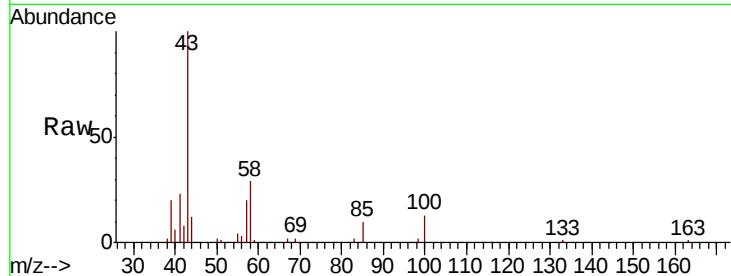




#45
4-Methyl-2-Pentanone
Concen: 1.126 ug/l
RT: 7.81 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

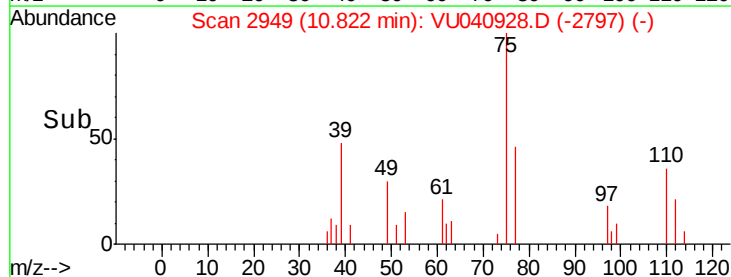
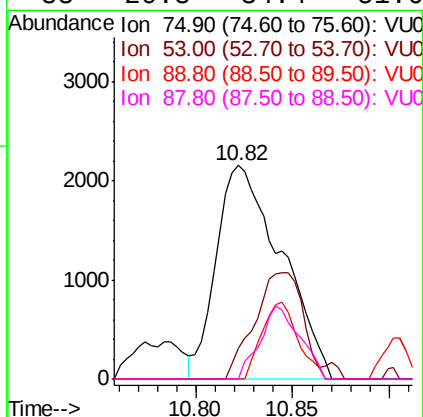
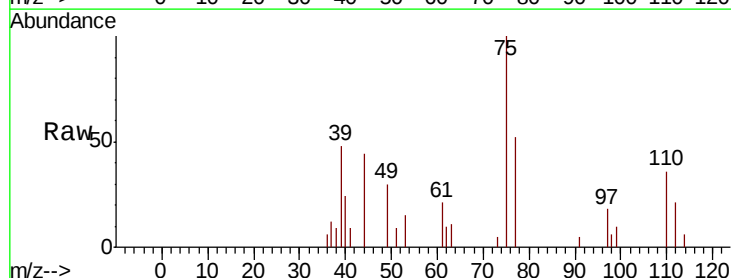
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

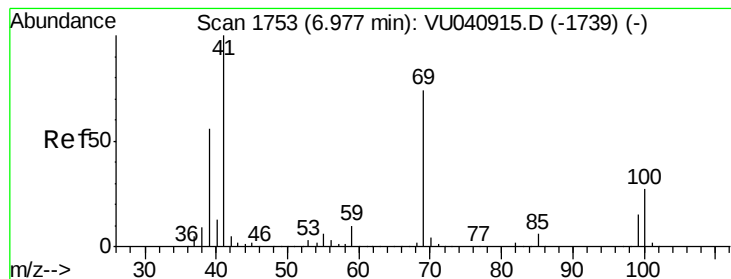
Tot Ion: 43 Resp: 15879
Ion Ratio Lower Upper
43 100
58 32.8 17.8 53.5
85 10.8 11.4 17.2#



#46
t-1,4-Dichloro-2-butene
Concen: 0.902 ug/l
RT: 10.82 min Scan# 2949
Delta R.T. -0.01 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion: 75 Resp: 5031
Ion Ratio Lower Upper
75 100
53 38.5 73.0 109.4#
89 19.9 41.7 62.5#
88 20.8 34.4 51.6#





#47

Methvl methacrylate

Concen: 0.381 ug/l

RT: 6.98 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 69 Resp: 3418

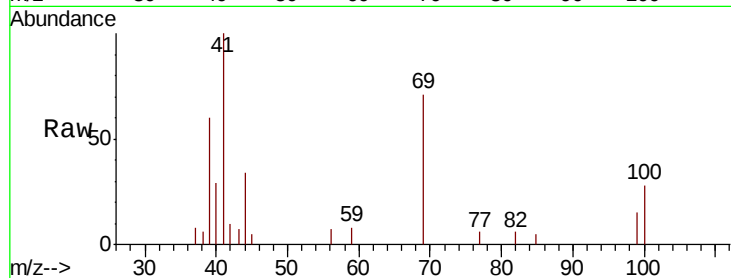
Ion Ratio Lower Upper

69 100

41 140.8 0.0 270.2

39 91.4 61.6 92.4

100 38.9 29.0 43.6

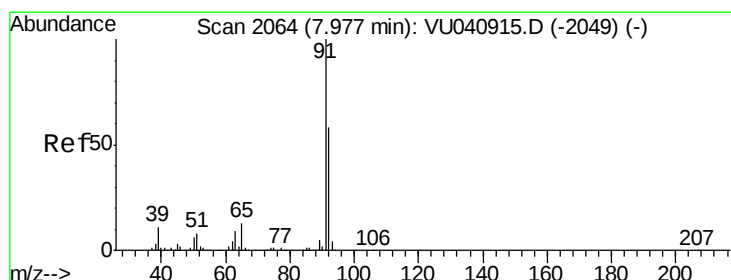
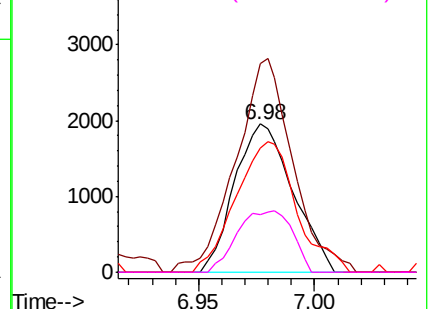
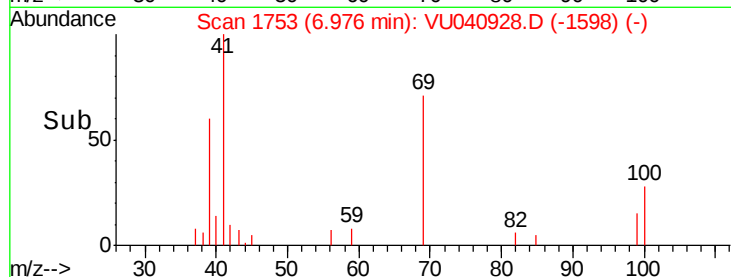


Abundance Ion 69.00 (68.70 to 69.70): VU040915.D (-1739) (-)

Ion 41.00 (40.70 to 41.70): VU040915.D (-1739) (-)

Ion 39.00 (38.70 to 39.70): VU040915.D (-1739) (-)

Ion 100.00 (99.70 to 100.70): VU040915.D (-1739) (-)



#49

Toluene

Concen: 0.201 ug/l

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040928.D

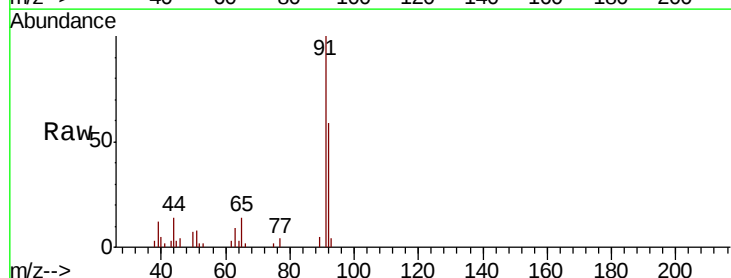
Acq: 23 Oct 2020 11:02

Tgt Ion: 92 Resp: 7455

Ion Ratio Lower Upper

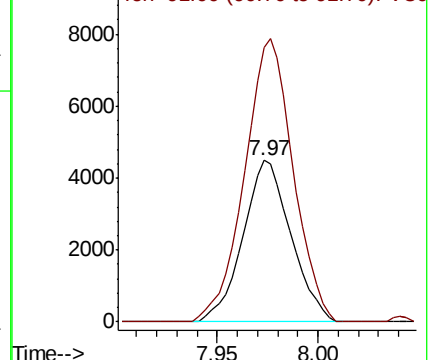
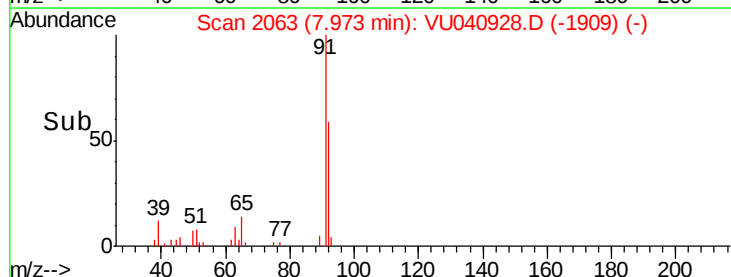
92 100

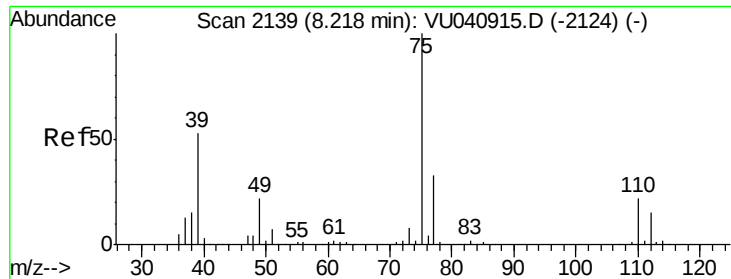
91 177.4 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VU040915.D (-2049) (-)

Ion 91.00 (90.70 to 91.70): VU040915.D (-2049) (-)

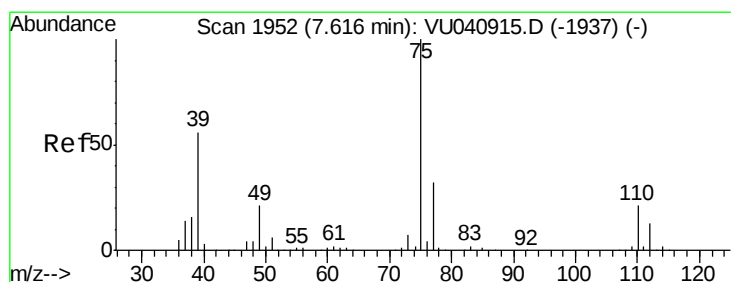
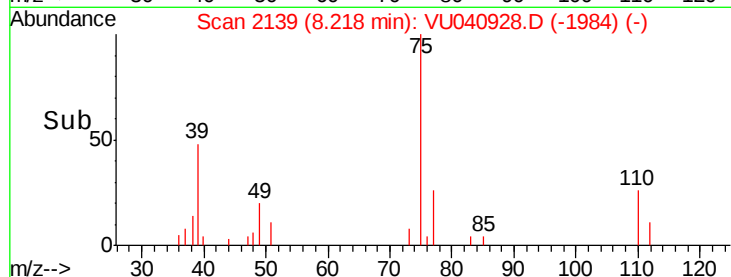
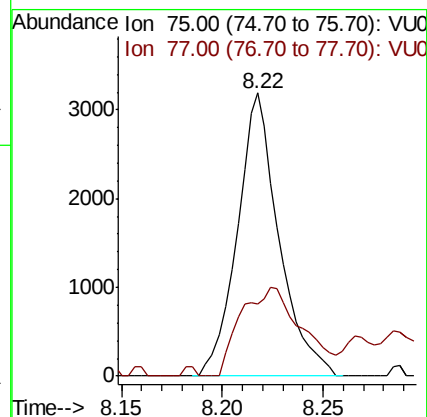
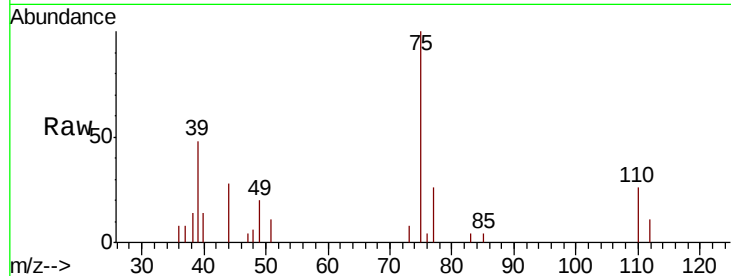




#50
 t-1,3-Dichloropropene
 Concen: 0.213 ug/l
 RT: 8.22 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

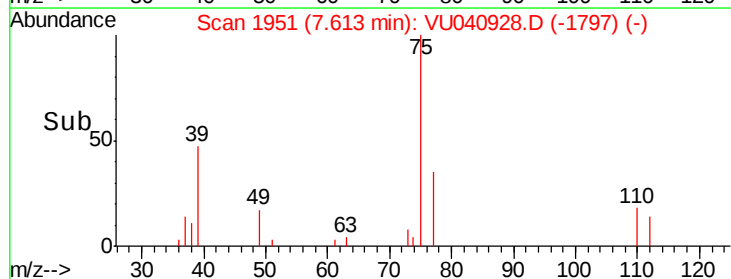
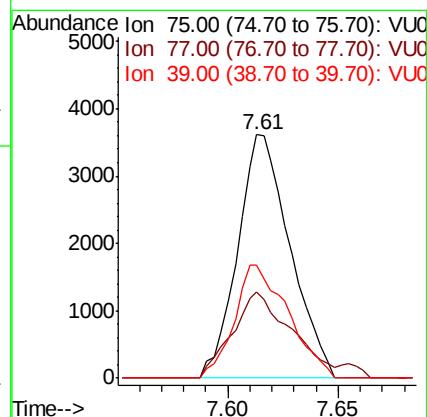
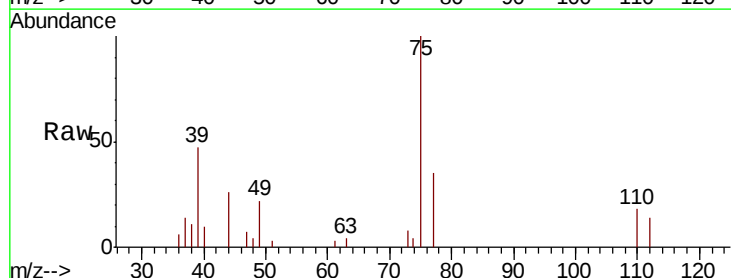
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

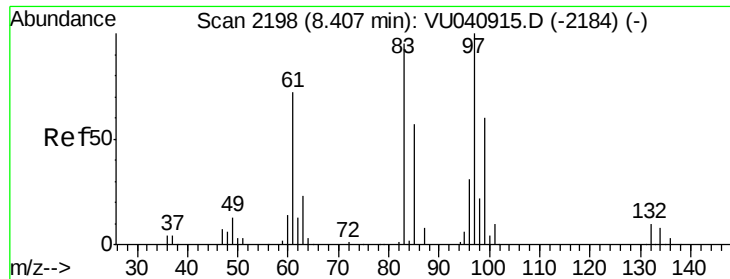
Tot Ion: 75 Resp: 4583
 Ion Ratio Lower Upper
 75 100
 77 22.4 26.2 39.4#



#51
 cis-1,3-Dichloropropene
 Concen: 0.252 ug/l
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion: 75 Resp: 5957
 Ion Ratio Lower Upper
 75 100
 77 35.1 25.4 38.0
 39 46.5 44.7 67.1

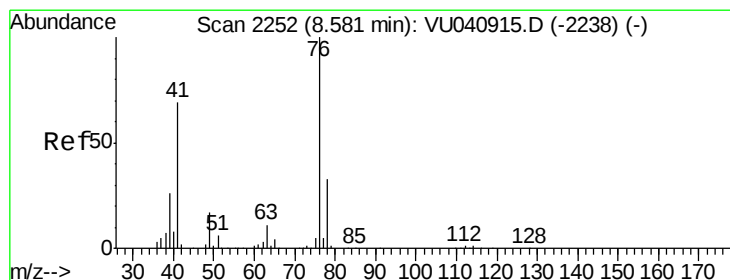
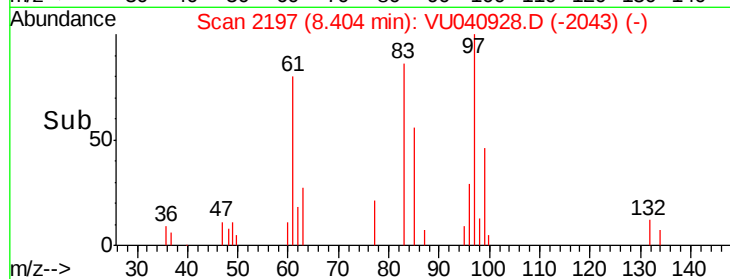
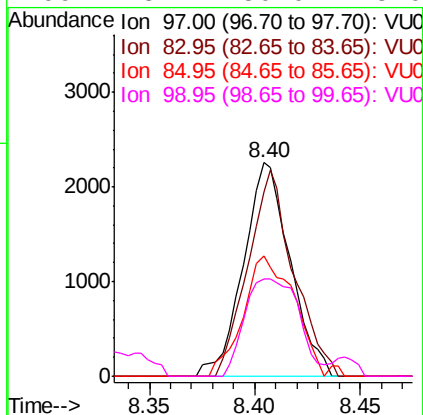
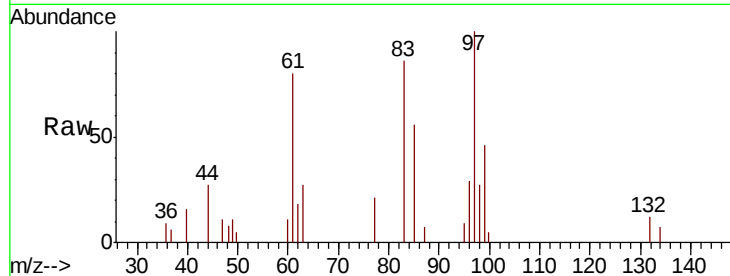




#52
 1,1,2-Trichloroethane
 Concen: 0.256 ug/l
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

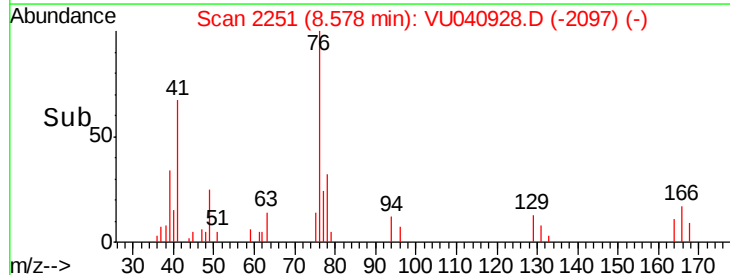
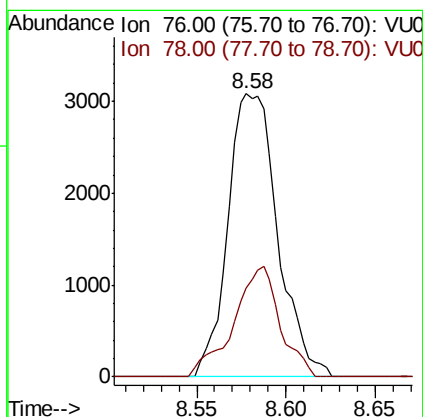
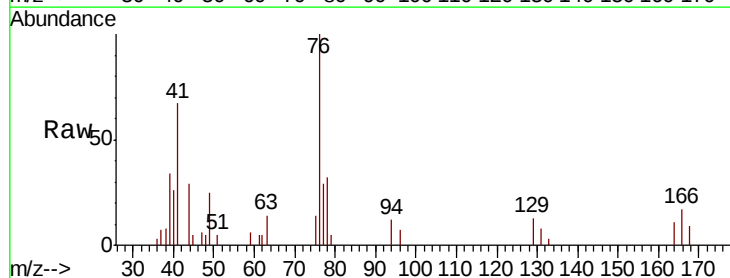
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

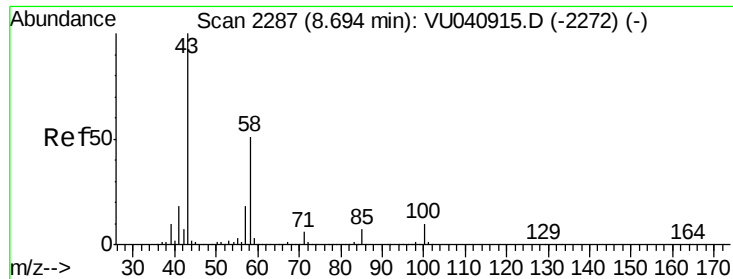
Tot Ion: 97 Resp: 3473
 Ion Ratio Lower Upper
 97 100
 83 86.4 75.9 113.9
 85 56.4 46.1 69.1
 99 45.7 50.0 75.0#



#53
 1,3-Dichloropropane
 Concen: 0.245 ug/l
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion: 76 Resp: 5973
 Ion Ratio Lower Upper
 76 100
 78 36.4 26.6 39.8

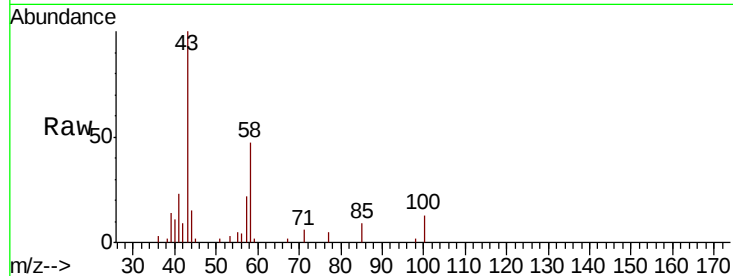




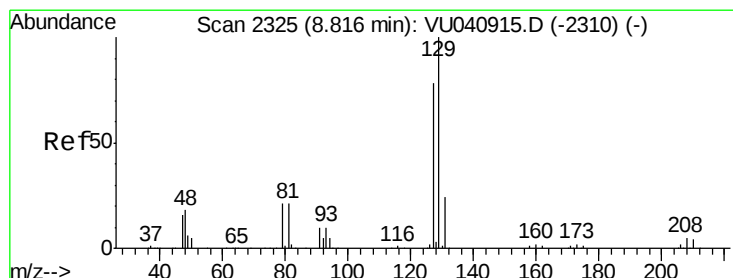
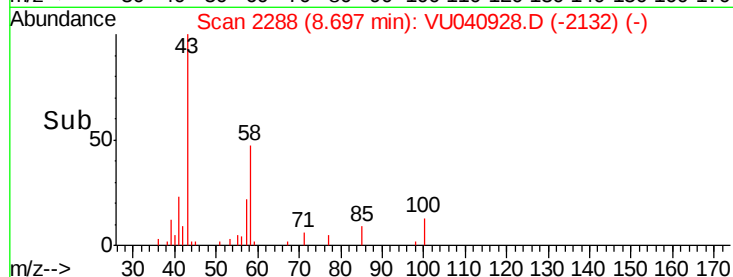
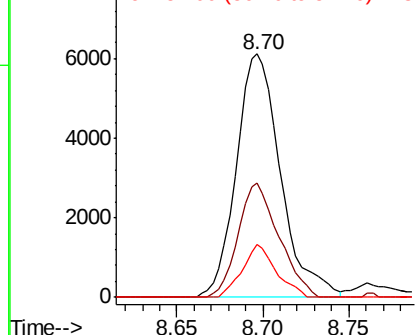
#54
2-Hexanone
Concen: 1.112 ug/l
RT: 8.70 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 10960
Ion Ratio Lower Upper
43 100
58 43.0 30.2 70.2
57 16.5 0.0 37.4

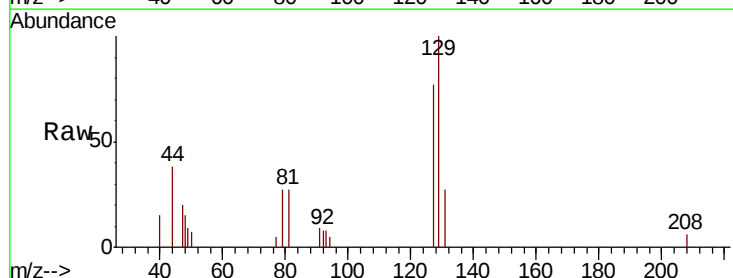


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

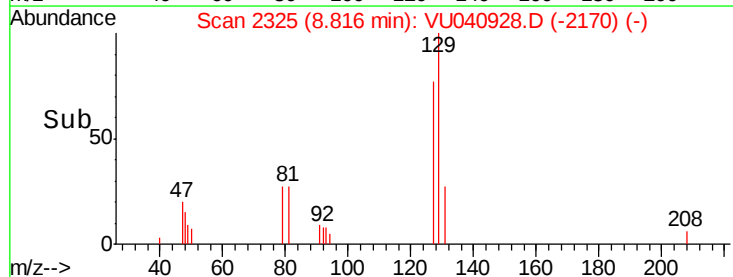
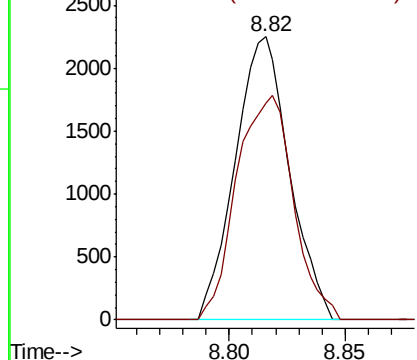


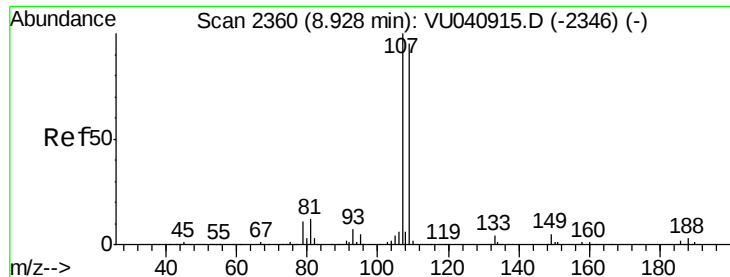
#55
Dibromochloromethane
Concen: 0.224 ug/l
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040928.D
Acq: 23 Oct 2020 11:02

Tgt Ion: 129 Resp: 3649
Ion Ratio Lower Upper
129 100
127 82.9 63.1 94.7



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

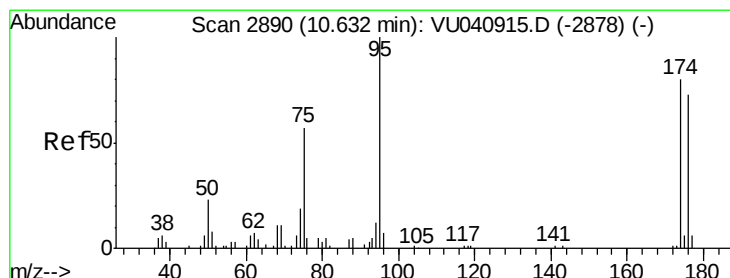
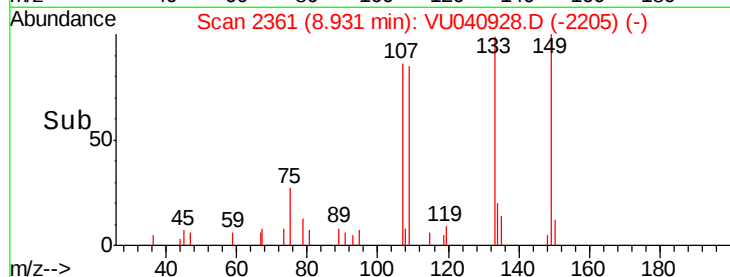
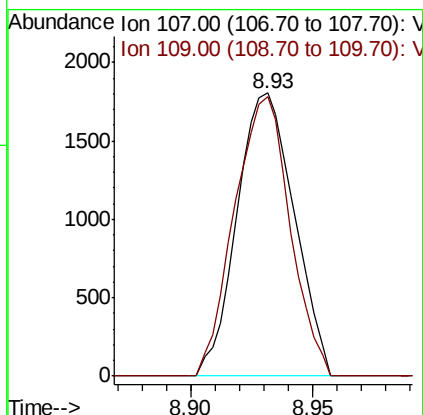
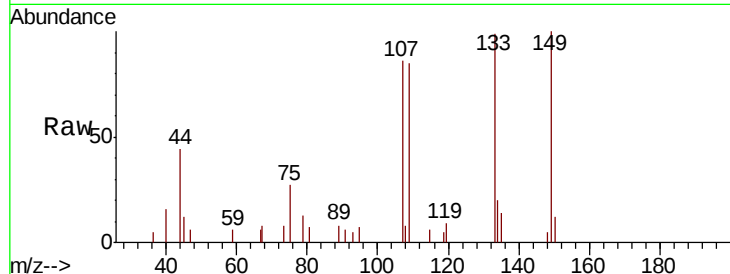




#56
 1,2-Dibromoethane
 Concen: 0.233 ug/l
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

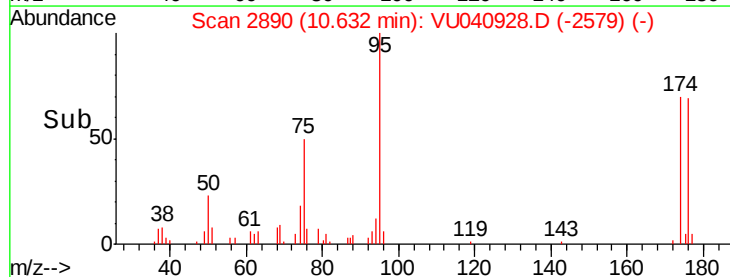
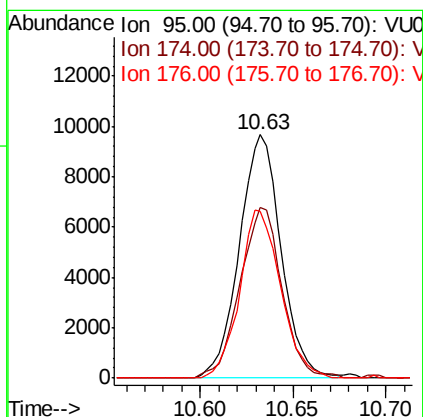
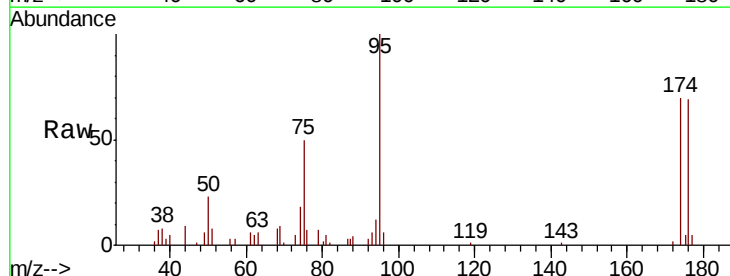
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

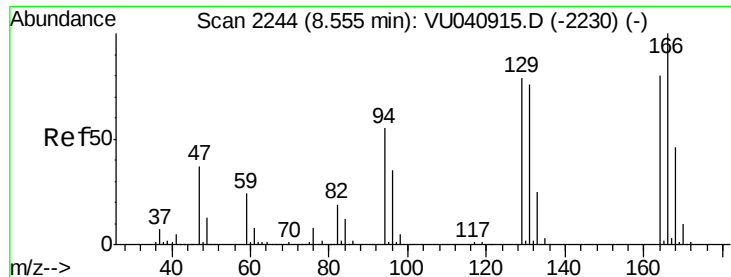
Tot Ion:107 Resp: 2934
 Ion Ratio Lower Upper
 107 100
 109 96.0 0.0 190.4



#57
 4-Bromofluorobenzene
 Concen: 0.785 ug/l
 RT: 10.63 min Scan# 2890
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion: 95 Resp: 15112
 Ion Ratio Lower Upper
 95 100
 174 70.5 60.3 90.5
 176 67.8 55.6 83.4





#58

Tetrachloroethene

Concen: 0.254 ug/l

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:164 Resp: 3796

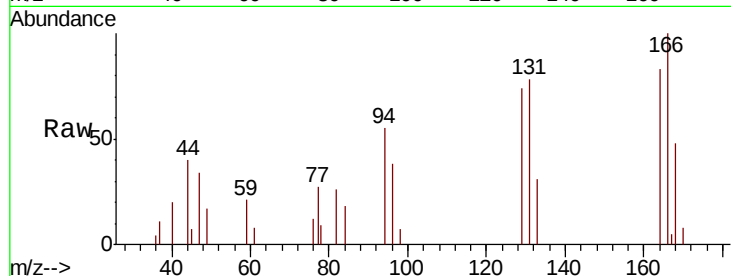
Ion Ratio Lower Upper

164 100

166 120.9 100.3 150.5

129 89.2 79.4 119.0

131 94.1 76.2 114.4

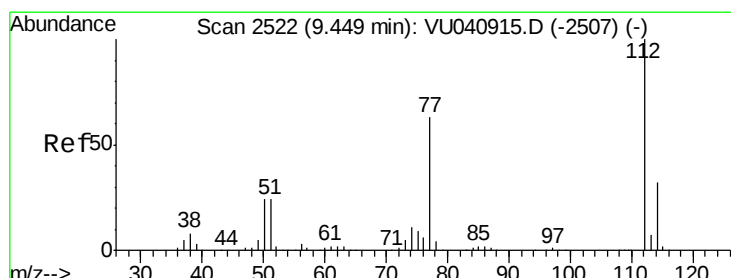
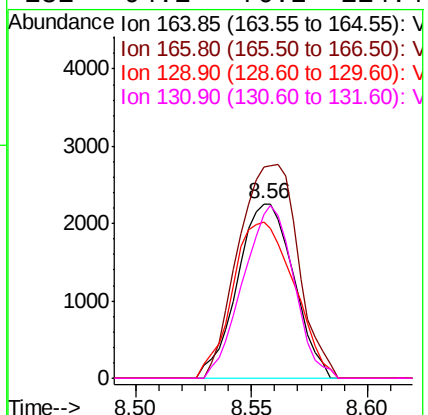
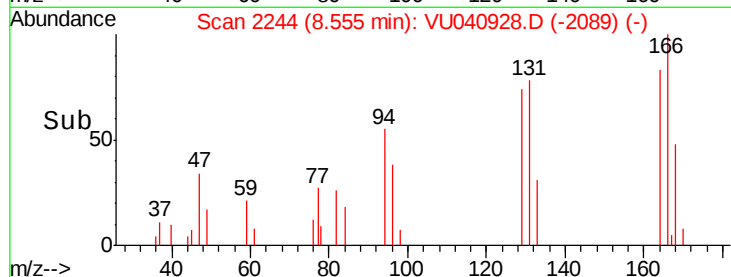


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#59

Chlorobenzene

Concen: 0.218 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040928.D

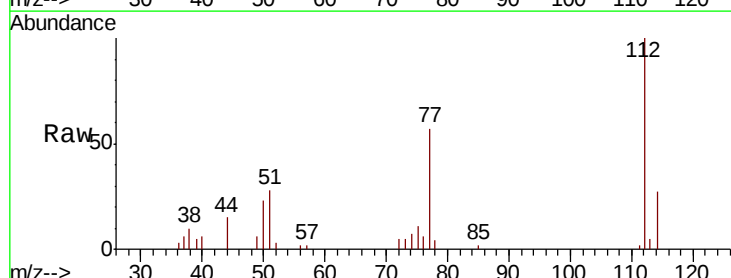
Acq: 23 Oct 2020 11:02

Tgt Ion:112 Resp: 8560

Ion Ratio Lower Upper

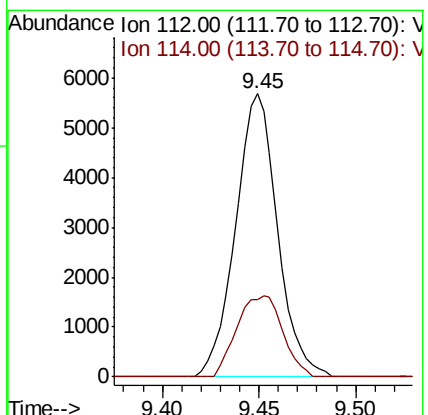
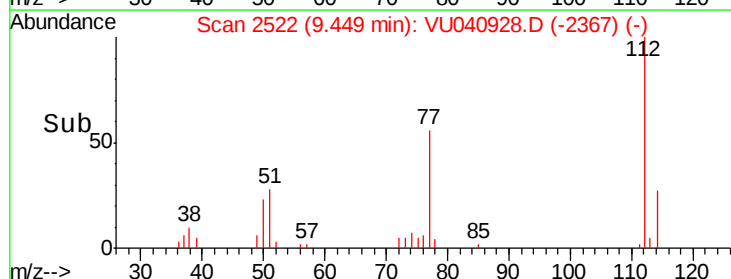
112 100

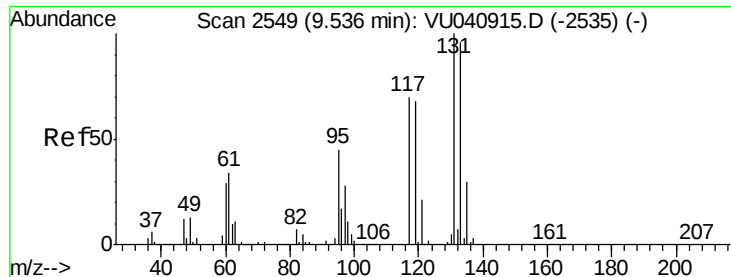
114 27.4 25.8 38.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#60

1,1,1,2-Tetrachloroethane

Concen: 0.226 ug/l

RT: 9.54 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

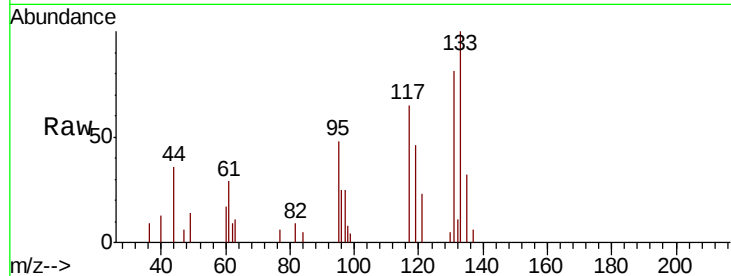
Tot Ion:131 Resp: 3497

Ion Ratio Lower Upper

131 100

133 105.3 77.4 116.0

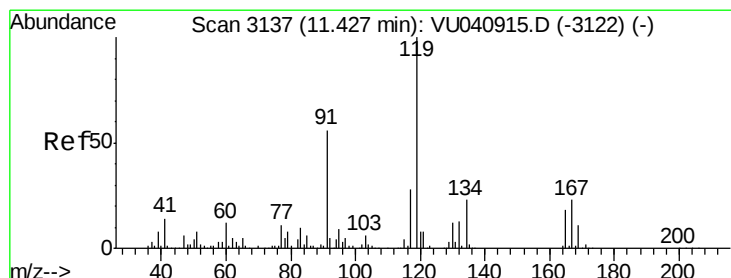
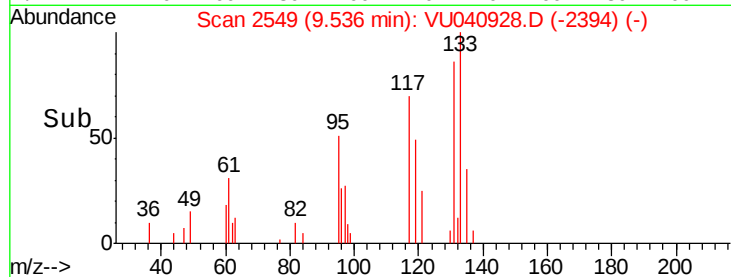
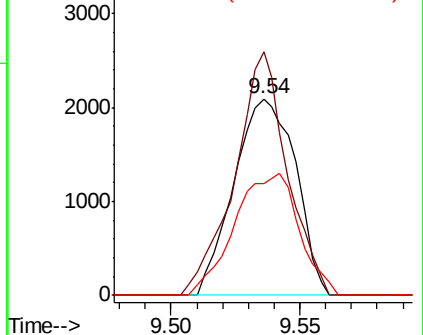
119 64.9 53.5 80.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#61

Pentachloroethane

Concen: 0.241 ug/l

RT: 11.42 min Scan# 3136

Delta R.T. -0.00 min

Lab File: VU040928.D

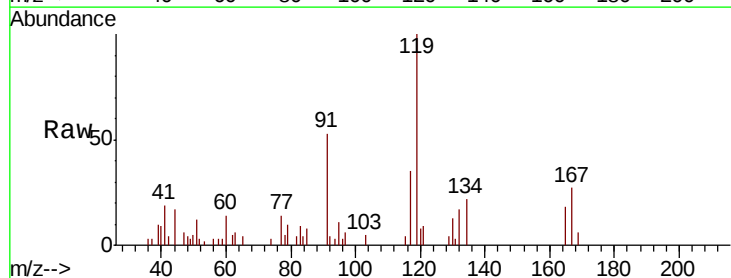
Acq: 23 Oct 2020 11:02

Tgt Ion:117 Resp: 3008

Ion Ratio Lower Upper

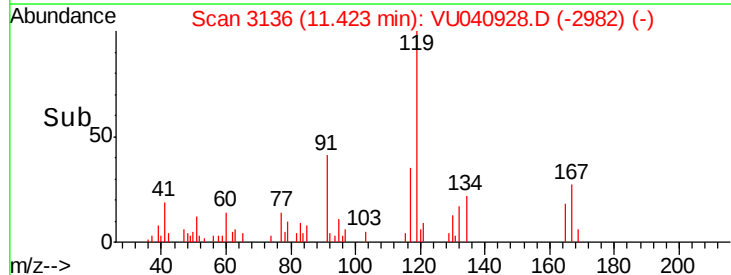
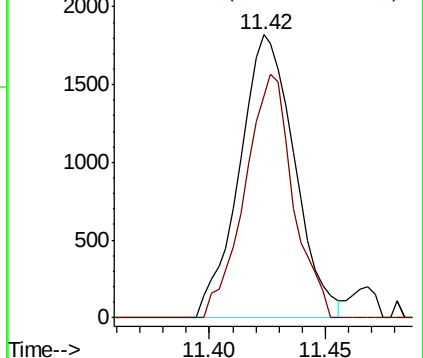
117 100

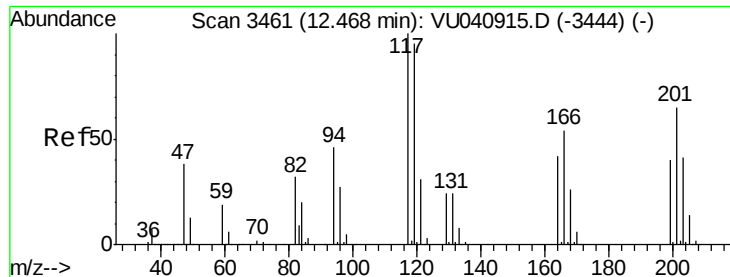
167 75.3 59.4 89.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V





#62

Hexachloroethane

Concen: 0.249 ug/l

RT: 12.47 min Scan# 3461

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

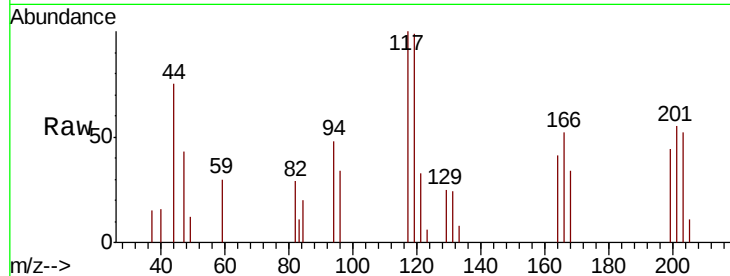
MDL-WATER-03-QT4-2020

Tot Ion:117 Resp: 3159

Ion Ratio Lower Upper

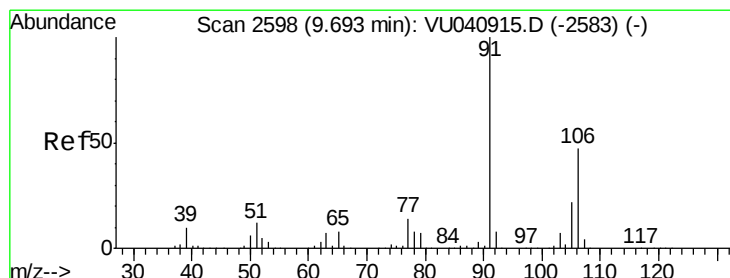
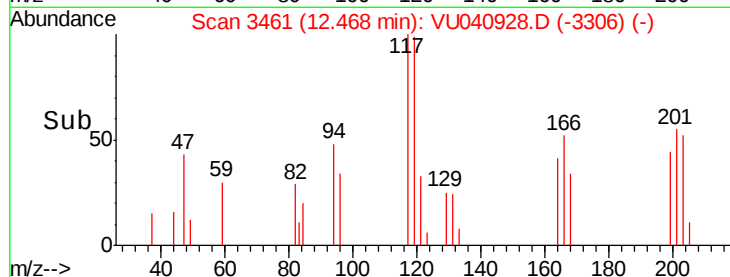
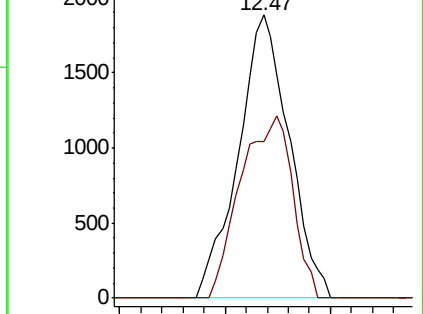
117 100

201 65.6 52.6 78.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#64

m/p-Xylenes

Concen: 0.716 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040928.D

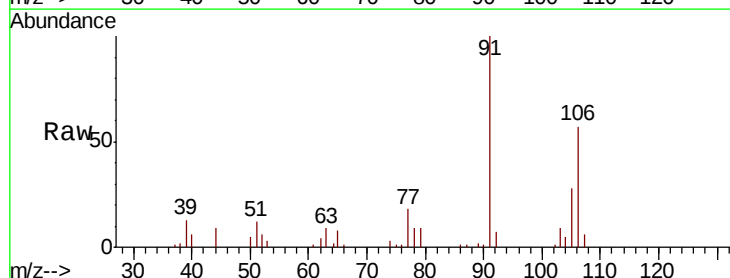
Acq: 23 Oct 2020 11:02

Tgt Ion:106 Resp: 8321

Ion Ratio Lower Upper

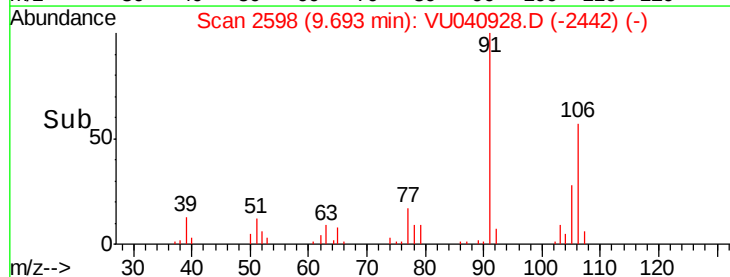
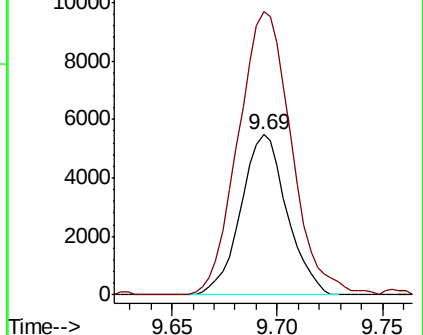
106 100

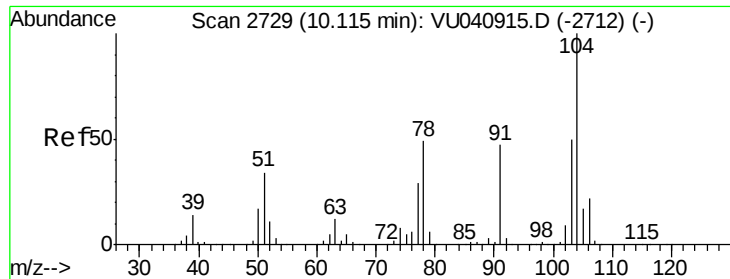
91 204.3 168.3 252.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#66

Stvrene

Concen: 0.404 ug/l

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

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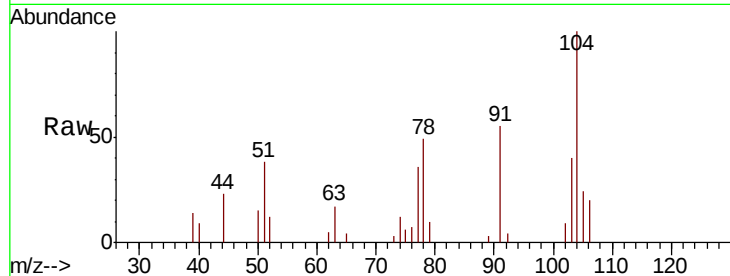
Tot Ion:104 Resp: 6916

Ion Ratio Lower Upper

104 100

78 53.7 43.4 65.0

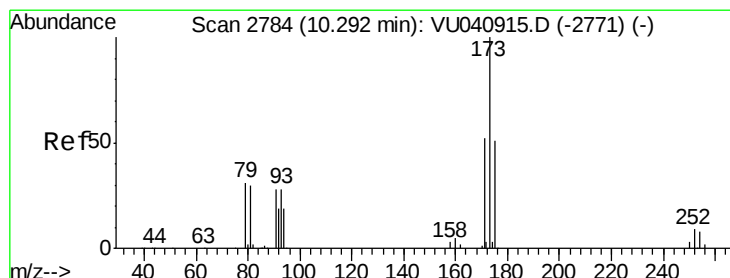
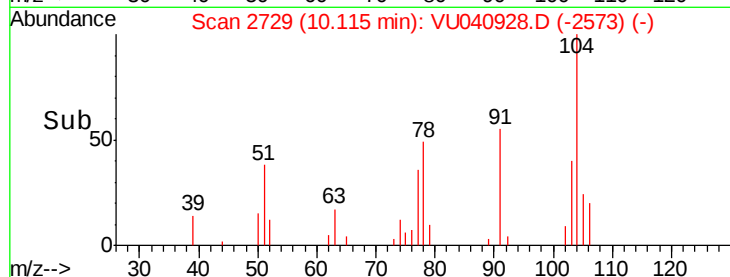
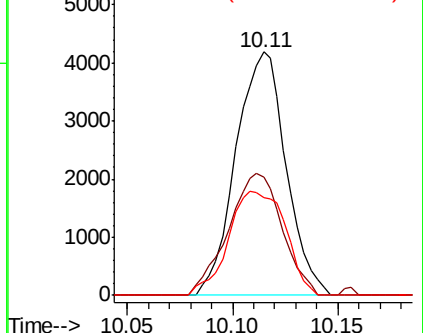
103 48.5 43.1 64.7



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: 0.264 ug/l

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

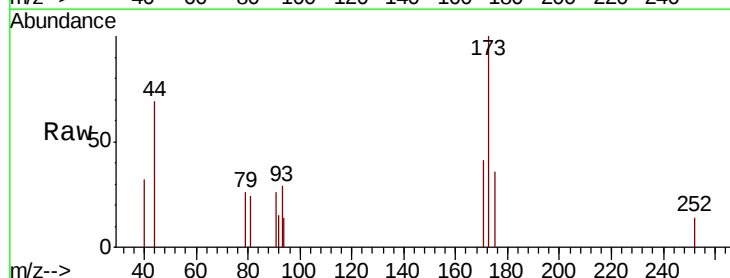
Tgt Ion:173 Resp: 2324

Ion Ratio Lower Upper

173 100

175 36.1 39.0 58.4#

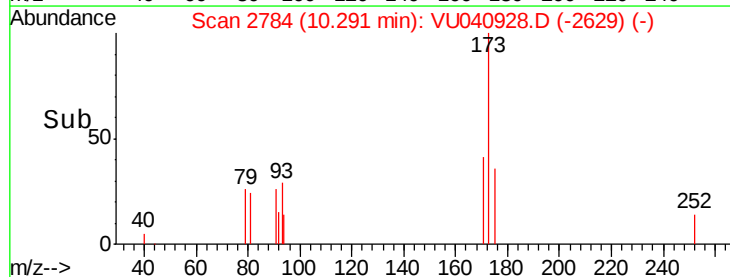
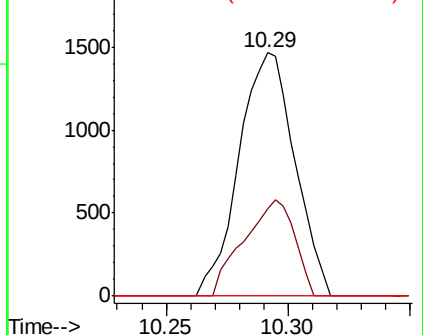
254 0.0 6.6 9.8#

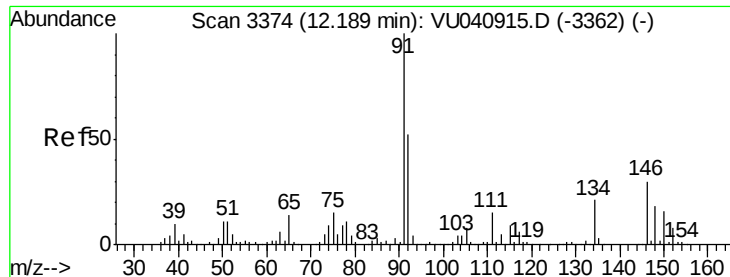


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

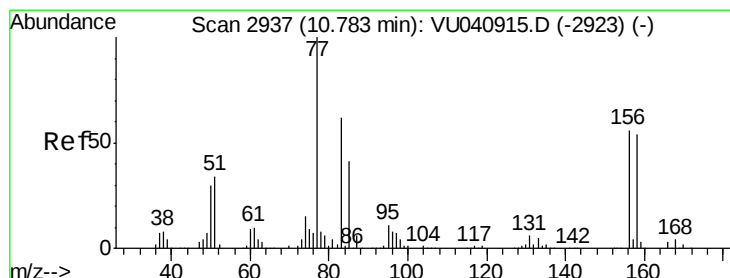
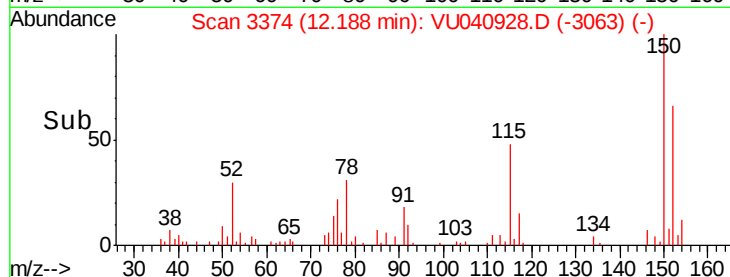
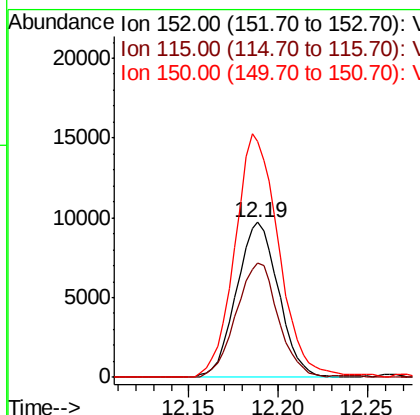
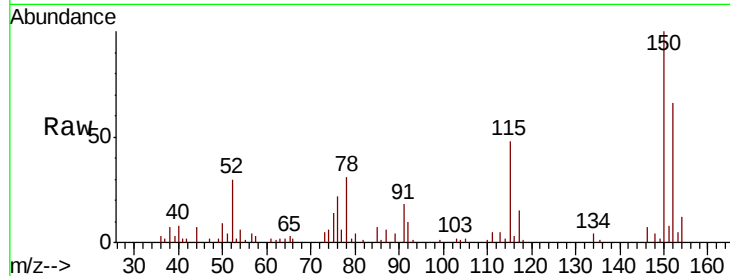




#68
 1,2-Dichlorobenzene-d4
 Concen: 0.796 ug/l
 RT: 12.19 min Scan# 3374
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

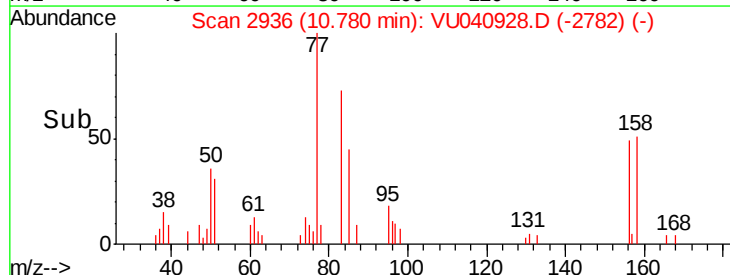
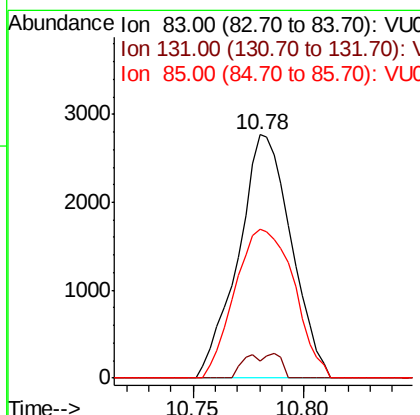
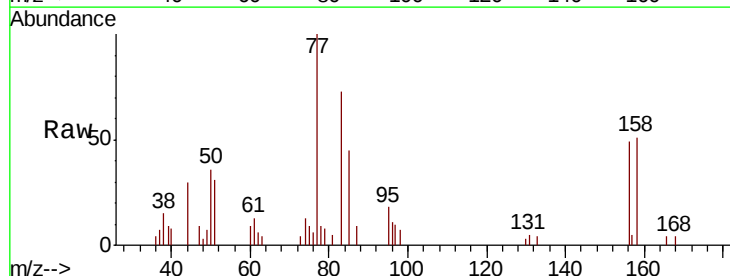
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

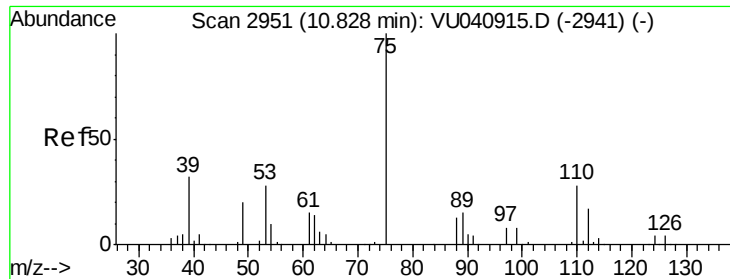
Tot Ion:152 Resp: 15986
 Ion Ratio Lower Upper
 152 100
 115 74.0 0.0 323.4
 150 163.8 0.0 653.8



#70
 1,1,2,2-Tetrachloroethane
 Concen: 0.249 ug/l
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion: 83 Resp: 4604
 Ion Ratio Lower Upper
 83 100
 131 3.5 7.1 10.7#
 85 68.5 51.8 77.6

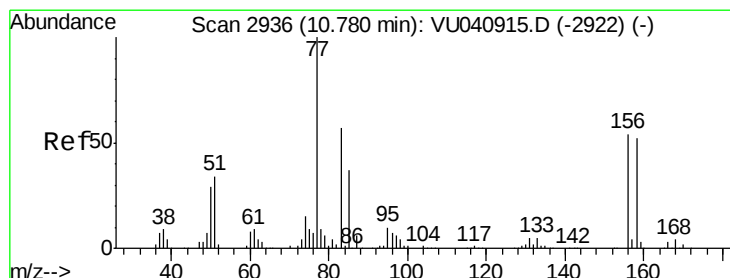
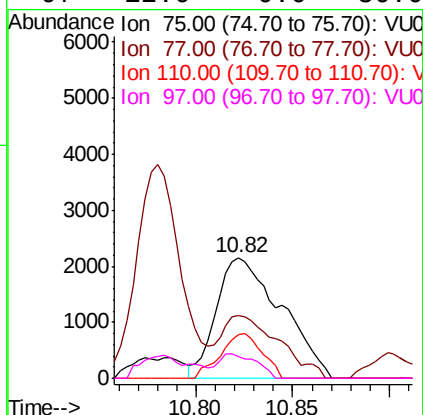
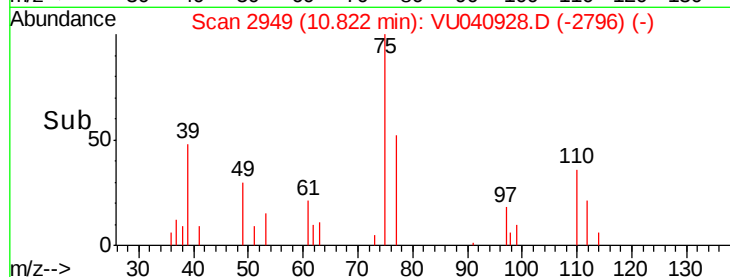
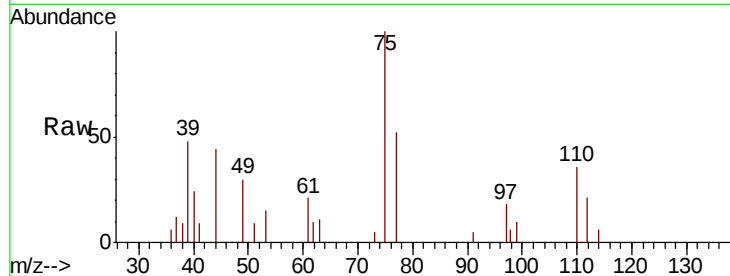




#71
 1,2,3-Trichloropropane
 Concen: 0.357 ug/l
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.01 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

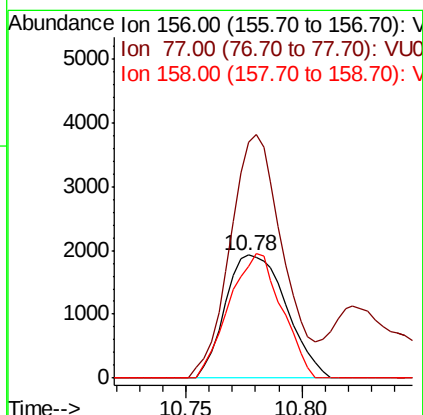
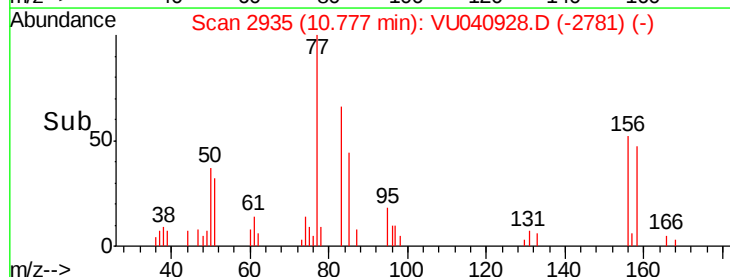
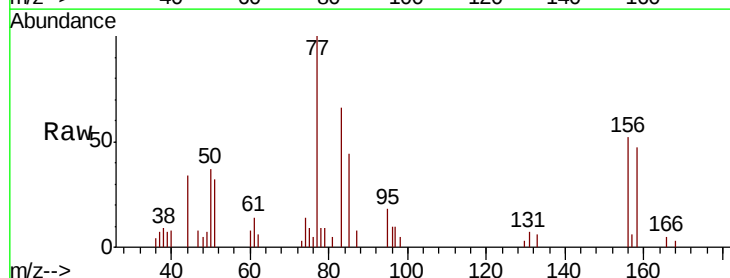
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

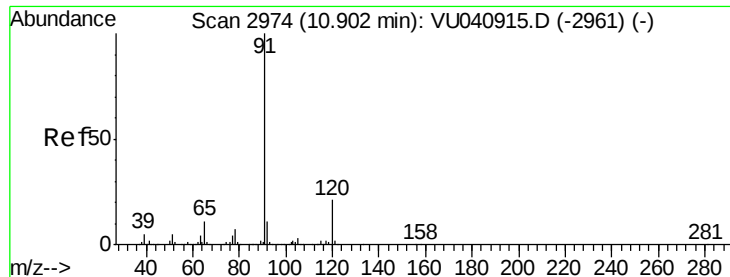
Tot Ion:	75	Resp:	5031
Ion	Ratio	Lower	Upper
75	100		
77	47.2	0.0	110.8
110	23.6	0.0	73.4
97	12.0	0.0	36.0



#72
 Bromobenzene
 Concen: 0.221 ug/l
 RT: 10.78 min Scan# 2935
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion:	156	Resp:	3518
Ion	Ratio	Lower	Upper
156	100		
77	170.8	0.0	370.2
158	87.1	0.0	193.2





#73

n-propylbenzene

Concen: 0.366 ug/l

RT: 10.90 min Scan# 2974

Delta R.T. 0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

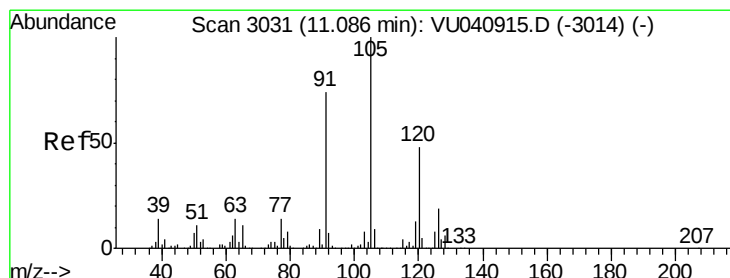
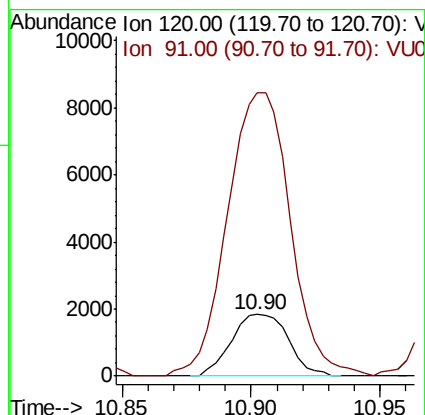
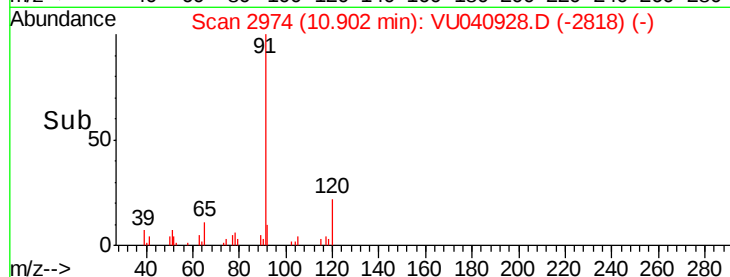
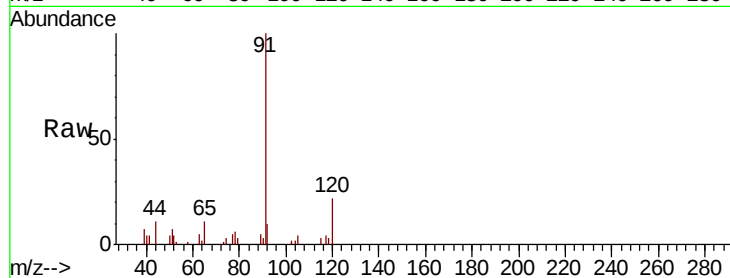
MDL-WATER-03-QT4-2020

Tot Ion:120 Resp: 2825

Ion Ratio Lower Upper

120 100

91 507.3 370.8 556.2



#75

1,3,5-Trimethylbenzene

Concen: 0.363 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040928.D

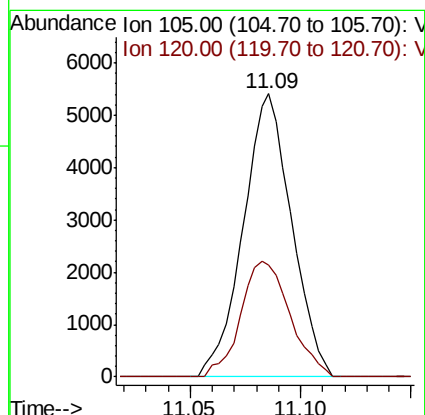
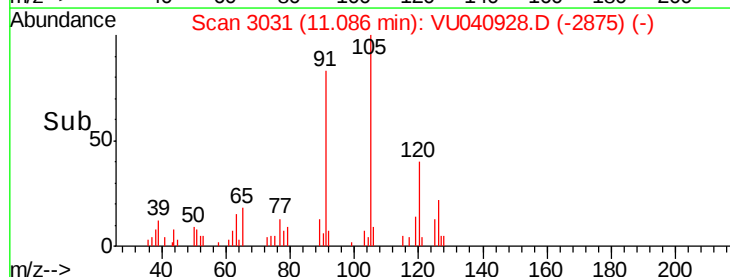
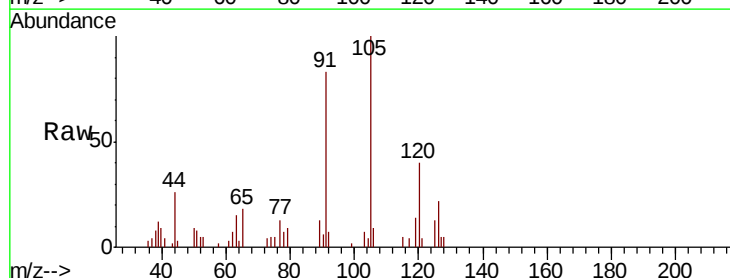
Acq: 23 Oct 2020 11:02

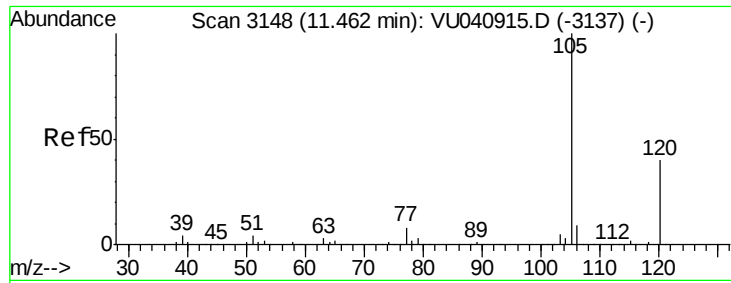
Tgt Ion:105 Resp: 8244

Ion Ratio Lower Upper

105 100

120 41.7 38.7 58.1

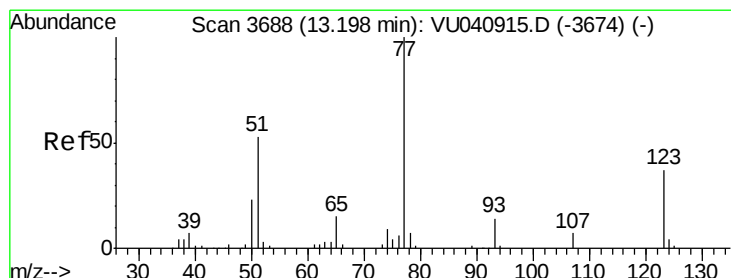
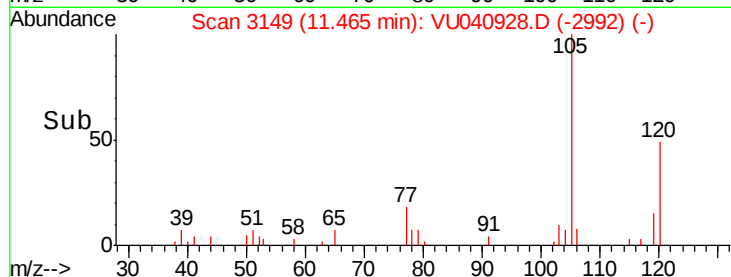
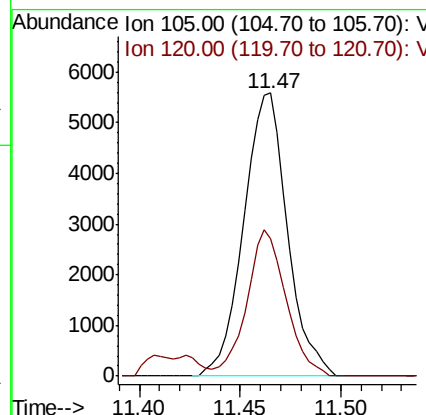
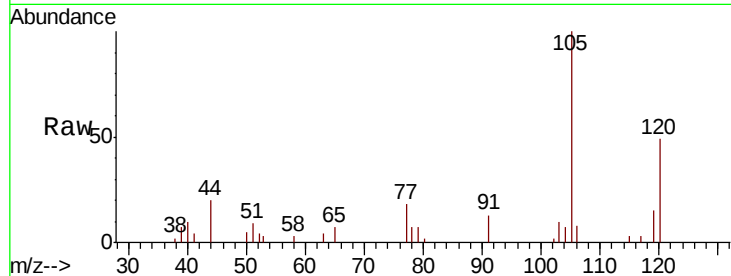




#78
 1,2,4-Trimethylbenzene
 Concen: 0.367 ug/l
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

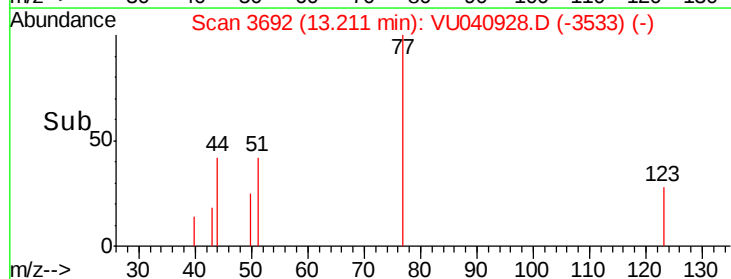
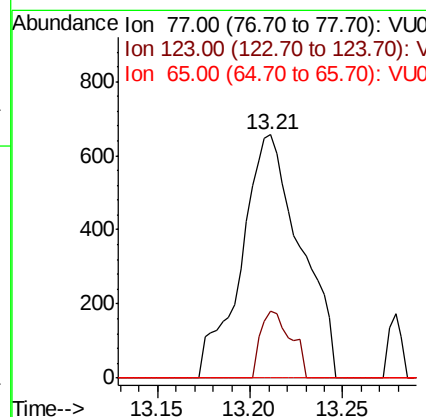
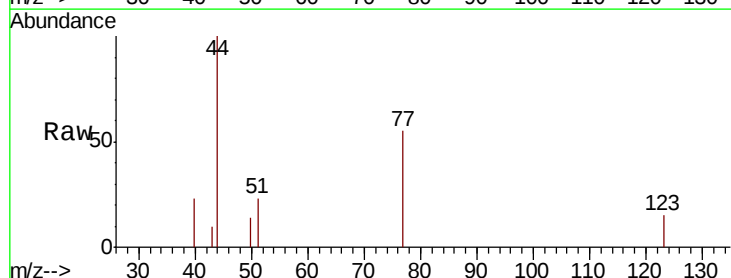
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

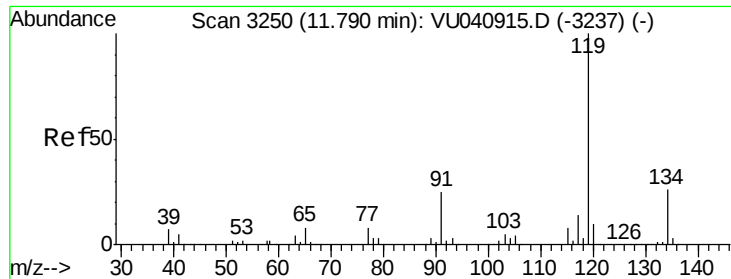
Tot Ion:105 Resp: 8477
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.6 67.8



#80
 Nitrobenzene
 Concen: 1.677 ug/l
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.01 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion: 77 Resp: 1466
 Ion Ratio Lower Upper
 77 100
 123 14.1 16.8 59.4#
 65 0.0 11.0 14.0#

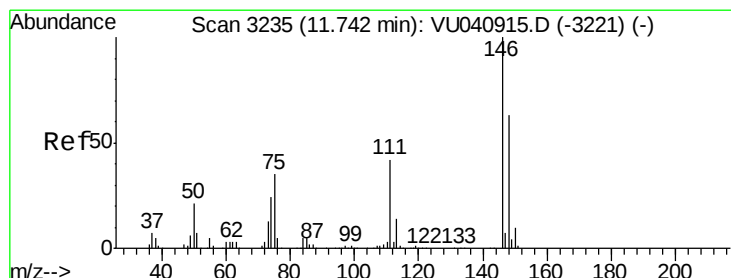
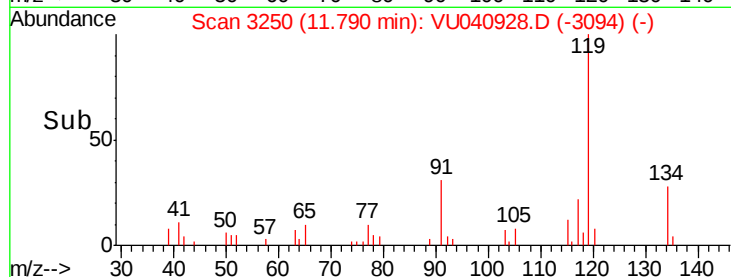
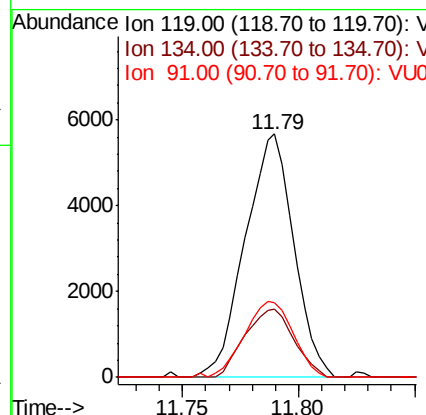
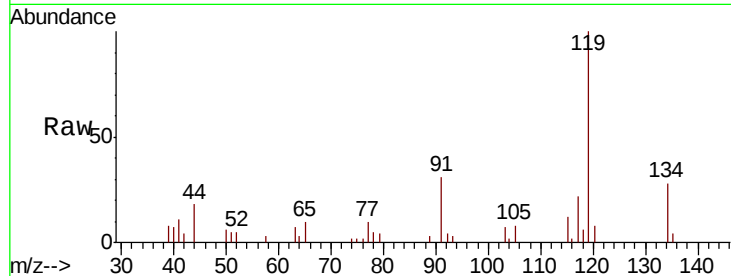




#81
 p-Isopropyltoluene
 Concen: 0.402 ug/l
 RT: 11.79 min Scan# 3250
 Delta R.T. 0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

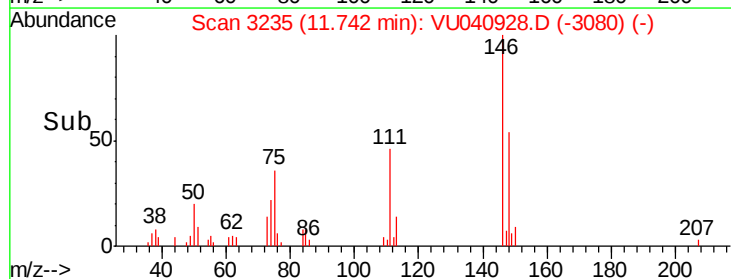
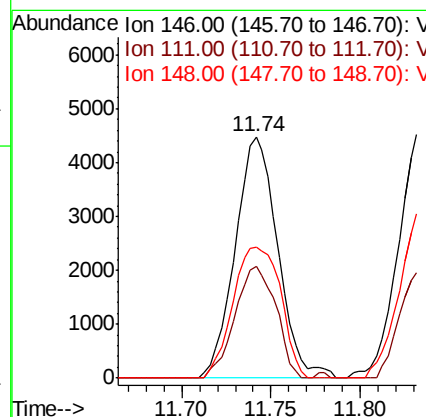
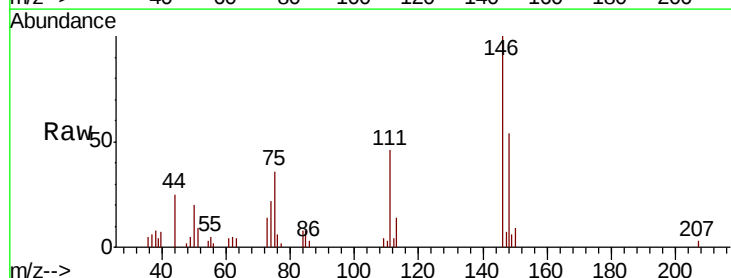
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

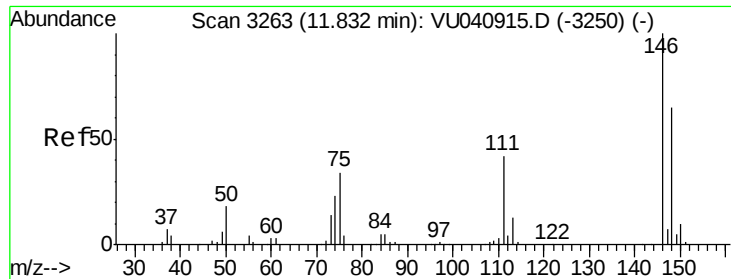
Tot Ion:119 Resp: 8264
 Ion Ratio Lower Upper
 119 100
 134 28.3 20.4 30.6
 91 31.4 20.4 30.6#



#82
 1,3-Dichlorobenzene
 Concen: 0.214 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion:146 Resp: 7419
 Ion Ratio Lower Upper
 146 100
 111 44.5 33.6 50.4
 148 60.9 50.1 75.1

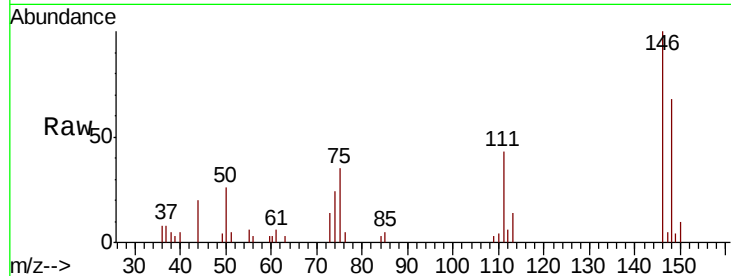




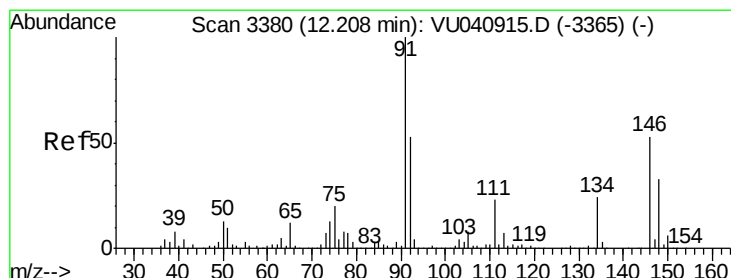
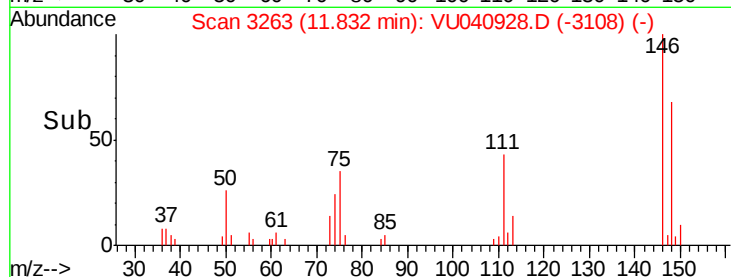
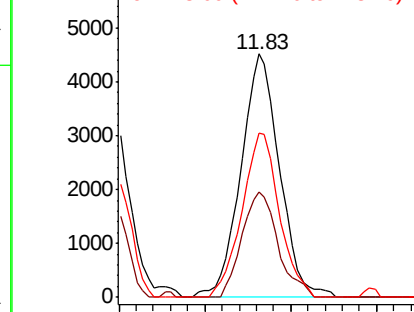
#83
 1,4-Dichlorobenzene
 Concen: 0.200 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion:146 Resp: 7021
 Ion Ratio Lower Upper
 146 100
 111 40.5 33.7 50.5
 148 65.3 50.6 75.8

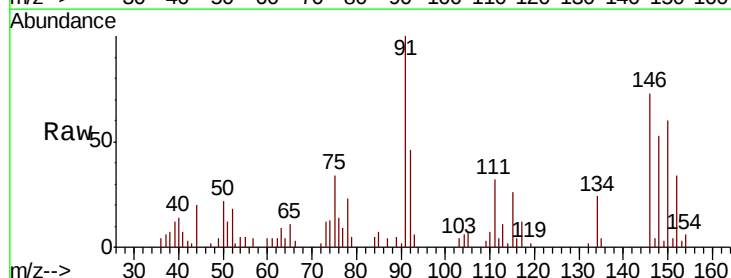


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

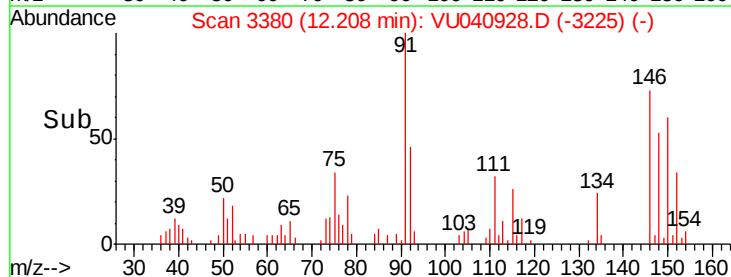
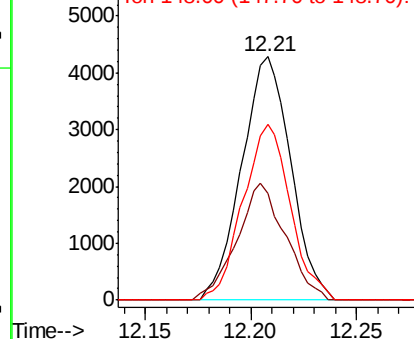


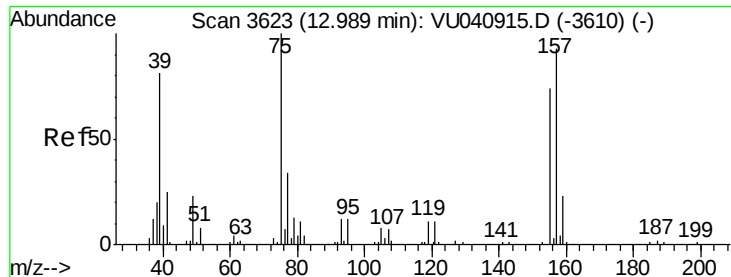
#85
 1,2-Dichlorobenzene
 Concen: 0.209 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion:146 Resp: 6946
 Ion Ratio Lower Upper
 146 100
 111 47.2 22.3 66.9
 148 69.6 31.5 94.5



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

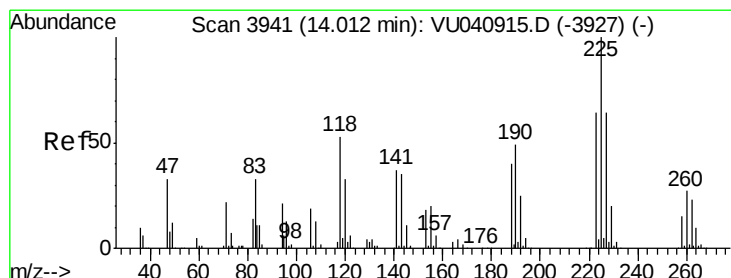
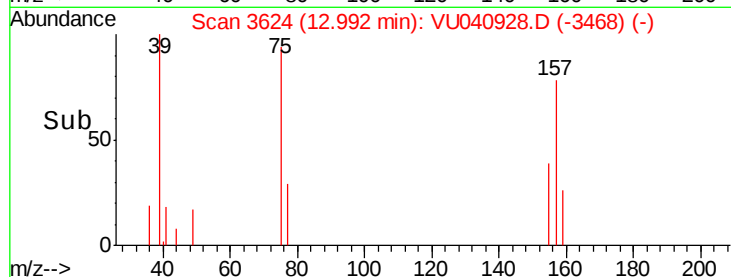
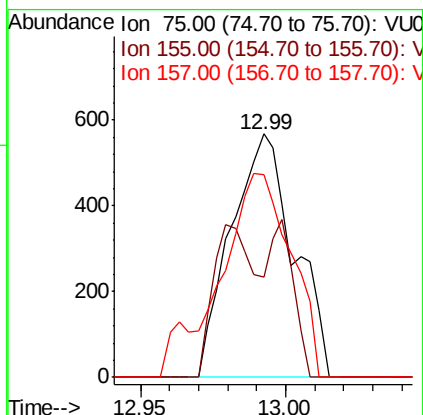
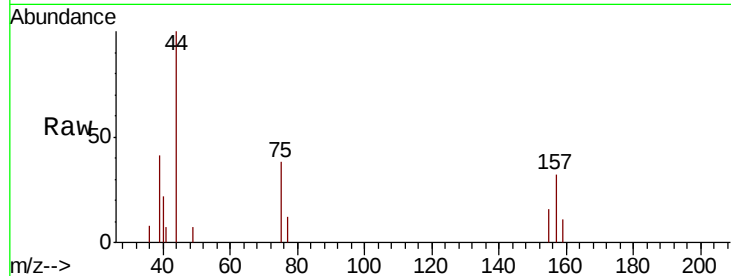




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.248 ug/l
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

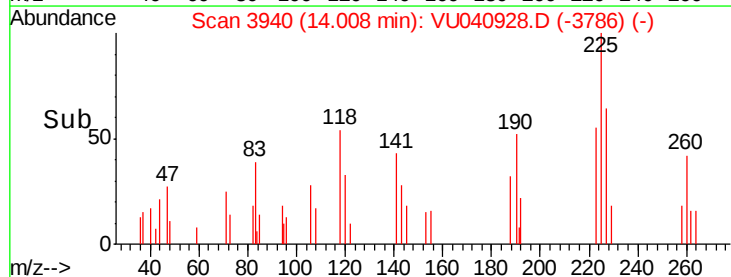
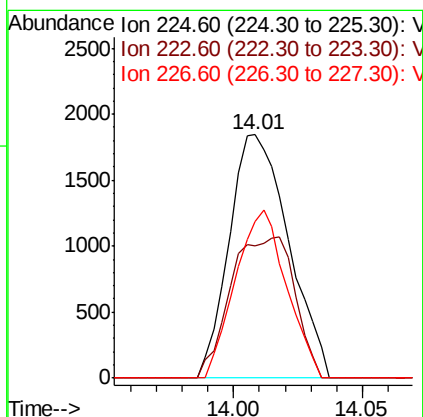
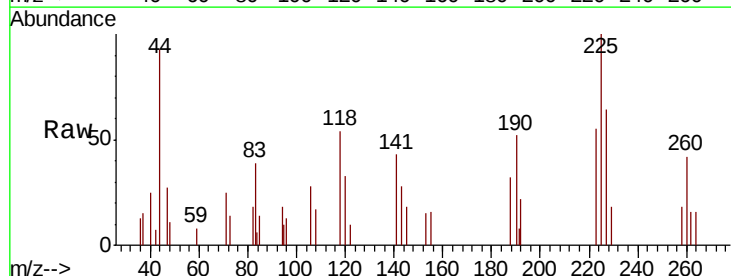
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

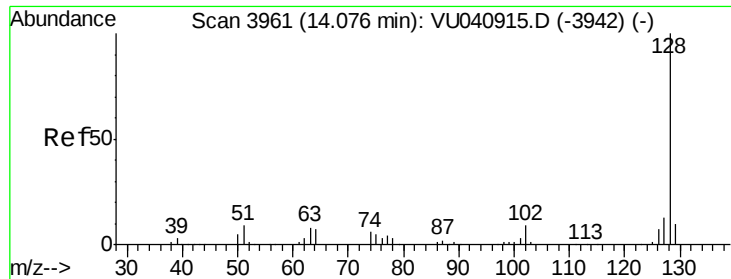
Tot Ion: 75 Resp: 855
 Ion Ratio Lower Upper
 75 100
 155 24.0 57.1 85.7#
 157 95.2 72.4 108.6



#88
 Hexachlorobutadiene
 Concen: 0.271 ug/l
 RT: 14.01 min Scan# 3940
 Delta R.T. -0.00 min
 Lab File: VU040928.D
 Acq: 23 Oct 2020 11:02

Tgt Ion: 225 Resp: 2963
 Ion Ratio Lower Upper
 225 100
 223 62.3 49.9 74.9
 227 59.3 51.1 76.7





#89

Naphthalene

Concen: 0.854 ug/l

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

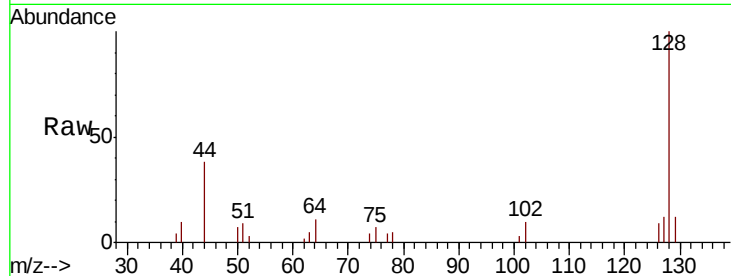
Tot Ion:128 Resp: 7204

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

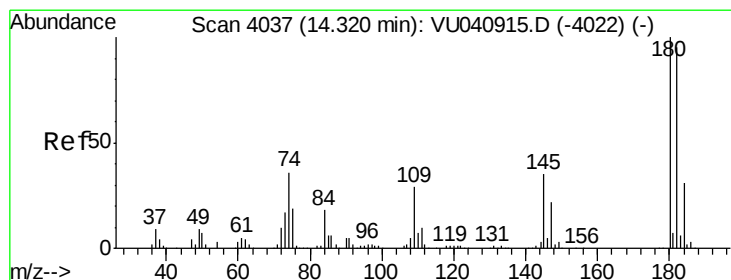
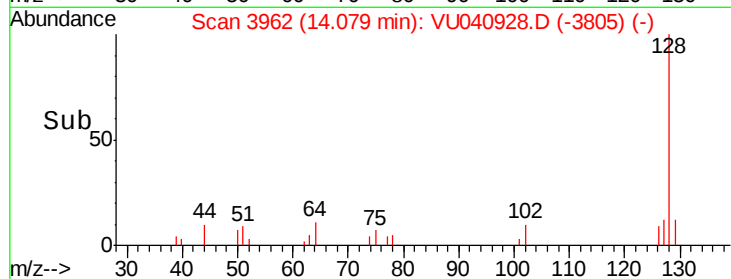
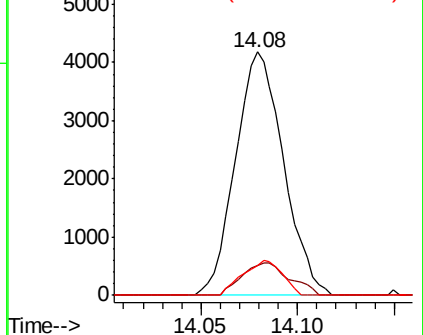
129 11.8 8.6 13.0



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: 0.230 ug/l

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU040928.D

Acq: 23 Oct 2020 11:02

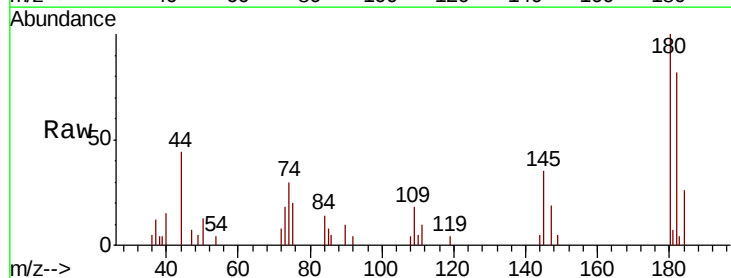
Tgt Ion:180 Resp: 4346

Ion Ratio Lower Upper

180 100

182 87.3 76.0 114.0

145 33.2 28.0 42.0



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

