

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031020\
 Data File : VU037146.D
 Acq On : 10 Mar 2020 11:42
 Operator : JC/MD
 Sample : L1161-09 0.4 ppb
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2020

Quant Time: Mar 10 12:12:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 15:46:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	13751	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	4752	0.89	ug/l	0.00
Spiked Amount	1.000		Recovery	=	89.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	4782	0.88	ug/l	0.00
Spiked Amount	1.000		Recovery	=	88.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2764	0.412	ug/l 95
3) Chloromethane	1.54	50	2853	0.427	ug/l 94
4) Vinyl Chloride	1.62	62	2289	0.390	ug/l # 86
5) Bromomethane	1.87	94	974	0.476	ug/l 92
6) Chloroethane	1.95	64	1184	0.421	ug/l 90
7) Trichlorofluoromethane	2.16	101	2943	0.413	ug/l 94
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	1357	0.406	ug/l 87
9) 1,1-Dichloroethene	2.61	96	1391	0.437	ug/l 94
10) Iodomethane	2.75	142	244	0.447	ug/l # 64
11) Allyl Chloride	2.95	41	2590	0.420	ug/l # 58
12) Acrylonitrile	3.37	53	616	0.819	ug/l 96
13) Acetone	2.66	43	2014	2.409	ug/l # 76
14) Carbon Disulfide	2.82	76	4445	0.420	ug/l 98
15) Methylene Chloride	3.08	84	1762	0.441	ug/l 86
16) trans-1,2-Dichloroethene	3.39	96	1324	0.392	ug/l 82
17) 1,1-Dichloroethane	3.91	63	3321	0.424	ug/l # 82
18) 2-Butanone	4.77	43	2573	2.014	ug/l 75
19) Cyclohexane	5.42	56	2453	0.368	ug/l 91
20) Methylcyclohexane	6.79	83	2046	0.311	ug/l # 81
21) 2,2-Dichloropropane	4.70	77	3094	0.433	ug/l # 85
22) cis-1,2-Dichloroethene	4.70	96	1568	0.375	ug/l 72
23) Diethyl Ether	2.40	59	1039	0.386	ug/l # 78
24) tert-Butyl Alcohol	3.25	59	1437	4.879	ug/l # 1
25) Methyl tert-Butyl Ether	3.41	73	4040	0.434	ug/l # 74
26) Bromochloromethane	5.01	128	373	0.203	ug/l # 1
27) Chloroform	5.12	83	3662	0.434	ug/l 86
28) 1,1,1-Trichloroethane	5.36	97	3093	0.430	ug/l 94
29) 1,1-Dichloropropene	5.56	75	2086	0.357	ug/l 93
30) Carbon Tetrachloride	5.56	117	2463	0.392	ug/l 99
31) Isopropyl Ether	4.05	45	4832	0.387	ug/l 74
32) Ethyl-t-butyl ether	4.56	59	4582	0.388	ug/l 94
33) Tert-Amyl methyl ether	5.99	73	3552	0.351	ug/l # 90
34) Propionitrile	4.83	54	382	1.137	ug/l # 1
35) Benzene	5.81	78	6427	0.387	ug/l 99
36) 1,2-Dichloroethane	5.84	62	2359	0.392	ug/l # 76
37) Trichloroethene	6.58	130	1841	0.423	ug/l 98
38) 1,2-Dichloropropane	6.82	63	1957	0.430	ug/l 94
39) Methacrylonitrile	5.03	41	560	0.345	ug/l # 53
40) Methyl acrylate	4.90	55	737	0.329	ug/l # 72
41) Tetrahydrofuran	5.11	42	625	0.773	ug/l # 49
42) 1-Chlorobutane	5.49	56	3071	0.365	ug/l 76

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031020\
 Data File : VU037146.D
 Acq On : 10 Mar 2020 11:42
 Operator : JC/MD
 Sample : L1161-09 0.4 ppb
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

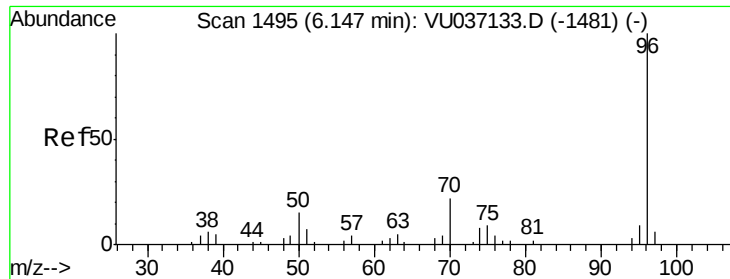
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2020

Quant Time: Mar 10 12:12:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 15:46:40 2020
 Response via : Initial Calibration

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

43) Dibromomethane	6.95	93	913	0.391	ug/l #	84
44) Bromodichloromethane	7.13	83	2217	0.365	ug/l #	98
45) 4-Methyl-2-Pentanone	7.83	43	5404	1.726	ug/l #	85
46) t-1,4-Dichloro-2-butene	10.84	75	2114	2.467	ug/l #	47
47) Methyl methacrylate	7.00	69	1350	0.700	ug/l #	60
48) Ethyl methacrylate	8.36	69	1237	0.325	ug/l	74
49) Toluene	8.00	92	3419	0.341	ug/l	100
50) t-1,3-Dichloropropene	8.24	75	1829	0.334	ug/l #	84
51) cis-1,3-Dichloropropene	7.64	75	2113	0.338	ug/l #	77
52) 1,1,2-Trichloroethane	8.43	97	1076	0.346	ug/l #	80
53) 1,3-Dichloropropane	8.60	76	1866	0.338	ug/l	98
54) 2-Hexanone	8.72	43	3529	1.637	ug/l	86
55) Dibromochloromethane	8.84	129	1591	0.413	ug/l	87
56) 1,2-Dibromoethane	8.95	107	1068	0.362	ug/l	92
58) Tetrachloroethene	8.58	164	1530	0.374	ug/l	93
59) Chlorobenzene	9.47	112	4268	0.382	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.56	131	1429	0.349	ug/l	92
61) Pentachloroethane	11.45	117	1244	0.398	ug/l	86
62) Hexachloroethane	12.50	117	1299	0.389	ug/l #	78
63) Ethyl Benzene	9.59	91	6226	0.326	ug/l	94
64) m/p-Xylenes	9.72	106	4464	0.618	ug/l	94
65) o-Xylene	10.12	106	2283	0.327	ug/l	96
66) Styrene	10.13	104	3316	0.291	ug/l	94
67) Bromoform	10.31	173	621	0.305	ug/l #	93
69) Isopropylbenzene	10.50	105	6167	0.324	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.80	83	1467	0.358	ug/l #	96
71) 1,2,3-Trichloropropane	10.84	75	2114	0.631	ug/l	52
72) Bromobenzene	10.80	156	1463	0.318	ug/l	90
73) n-propylbenzene	10.92	120	1518	0.301	ug/l	74
74) 2-Chlorotoluene	11.01	126	1498	0.329	ug/l	92
75) 1,3,5-Trimethylbenzene	11.11	105	4546	0.276	ug/l	96
76) 4-Chlorotoluene	11.12	126	1376	0.300	ug/l	78
77) tert-Butylbenzene	11.44	119	4902	0.306	ug/l	92
78) 1,2,4-Trimethylbenzene	11.48	105	4411	0.266	ug/l	94
79) sec-Butylbenzene	11.66	105	6279	0.288	ug/l	100
81) p-Isopropyltoluene	11.81	119	4866	0.283	ug/l #	94
82) 1,3-Dichlorobenzene	11.76	146	3066	0.336	ug/l	93
83) 1,4-Dichlorobenzene	11.85	146	3055	0.331	ug/l	95
84) n-Butylbenzene	12.22	91	4597	0.282	ug/l #	87
85) 1,2-Dichlorobenzene	12.23	146	3104	0.352	ug/l	95
87) 1,2,4-Trichlorobenzene	13.88	180	953	0.215	ug/l	89
88) Hexachlorobutadiene	14.06	225	960	0.350	ug/l	88
89) Naphthalene	14.13	128	1757	0.482	ug/l #	72
90) 1,2,3-Trichlorobenzene	14.37	180	1113	0.258	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2020

Tot Ion: 96 Resp: 13751

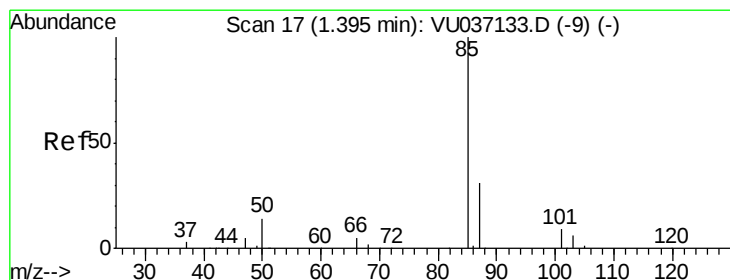
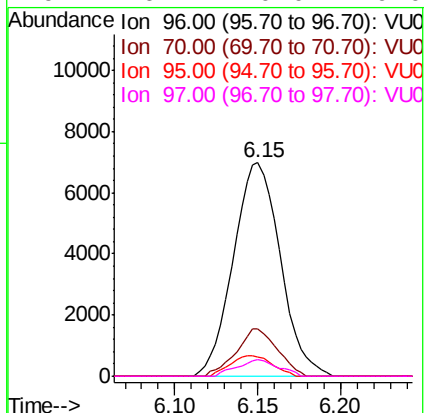
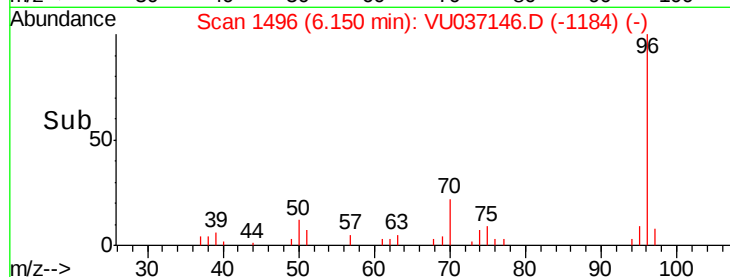
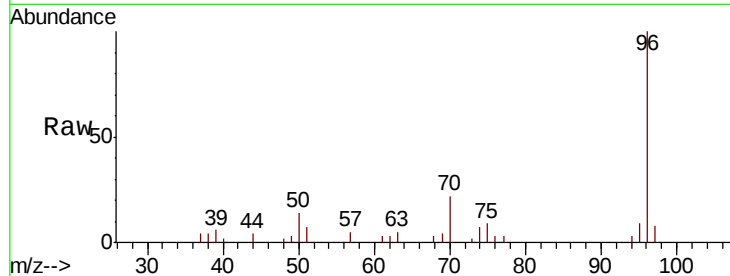
Ion Ratio Lower Upper

96 100

70 19.3 15.6 23.4

95 8.5 7.0 10.6

97 6.7 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.412 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037146.D

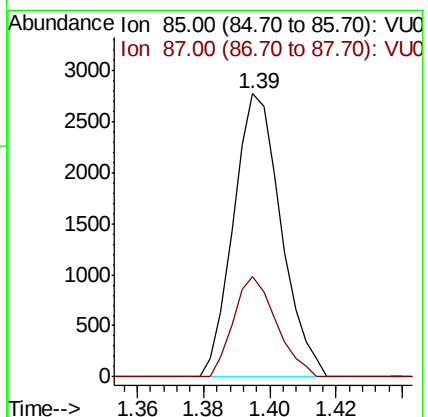
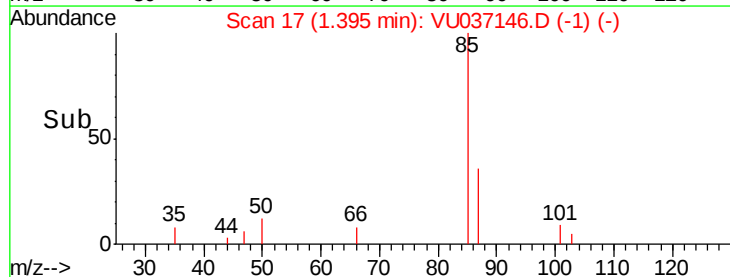
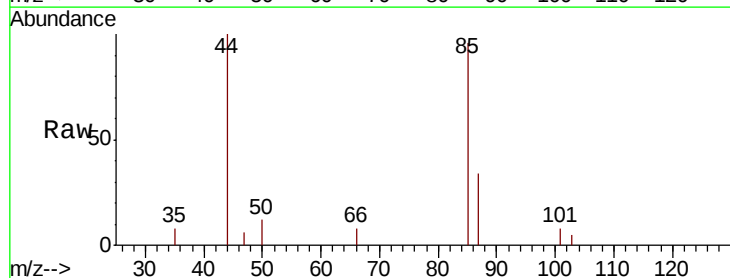
Acq: 10 Mar 2020 11:42

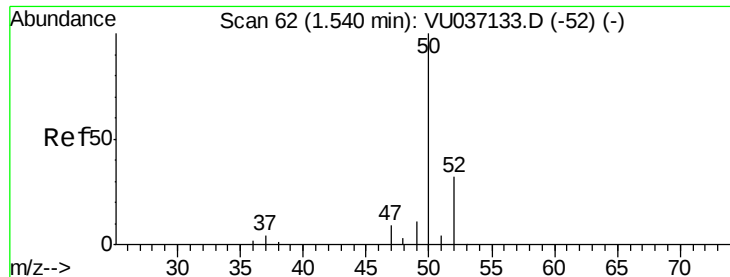
Tgt Ion: 85 Resp: 2764

Ion Ratio Lower Upper

85 100

87 35.6 16.4 49.2





#3

Chloromethane

Concen: 0.427 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

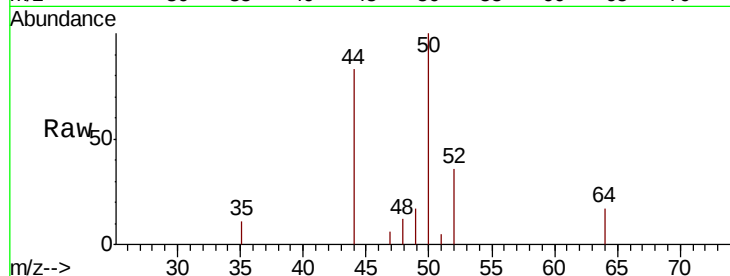
MDL-WATER-03-QT1-2020

Tot Ion: 50 Resp: 2853

Ion Ratio Lower Upper

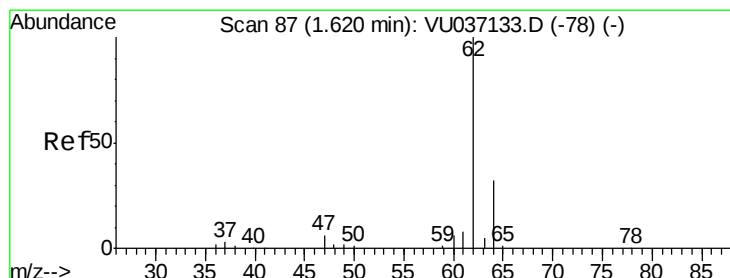
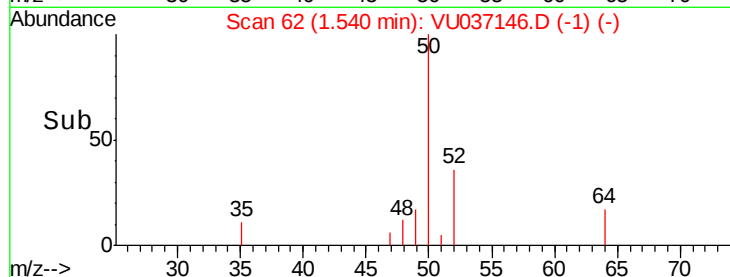
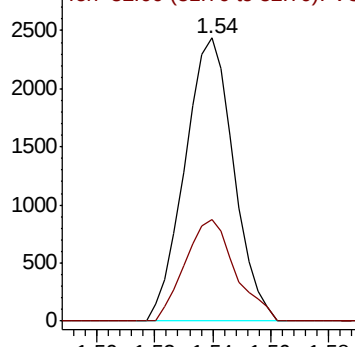
50 100

52 35.9 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: 0.390 ug/l

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037146.D

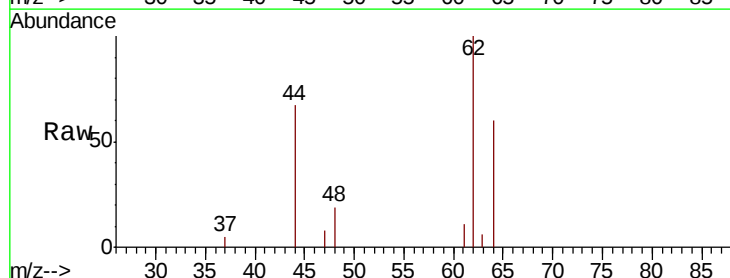
Acq: 10 Mar 2020 11:42

Tgt Ion: 62 Resp: 2289

Ion Ratio Lower Upper

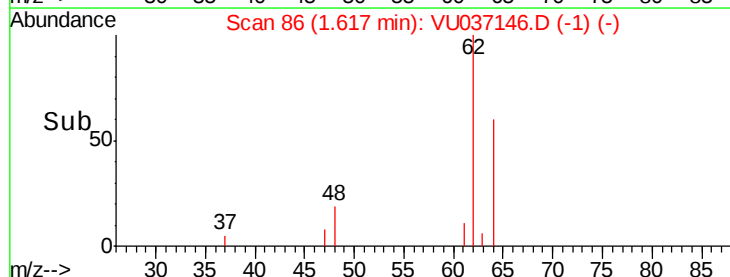
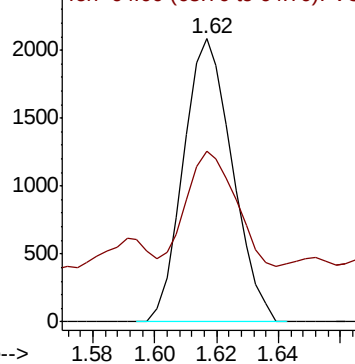
62 100

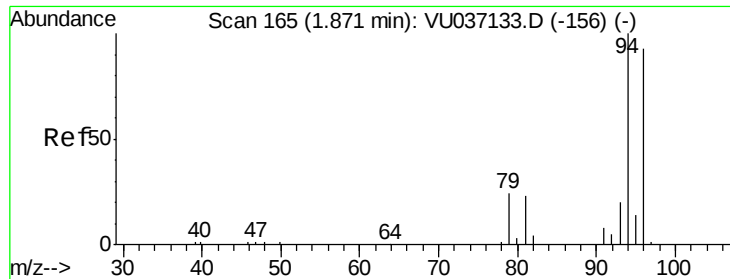
64 39.6 25.4 38.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

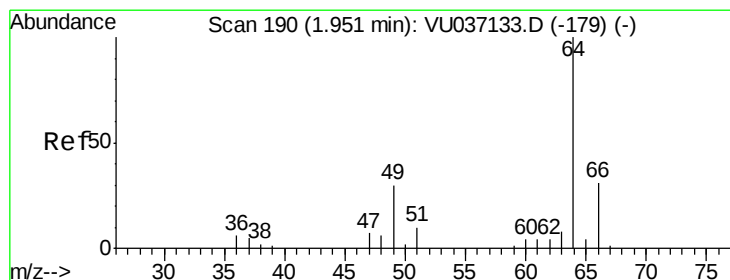
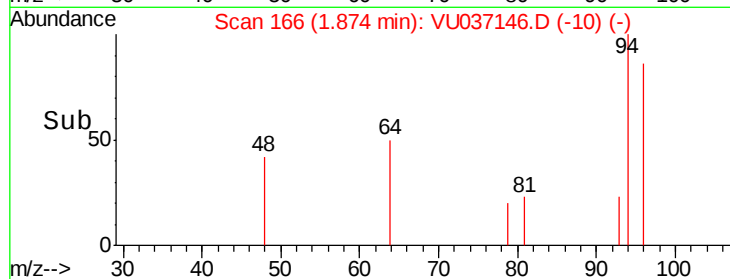
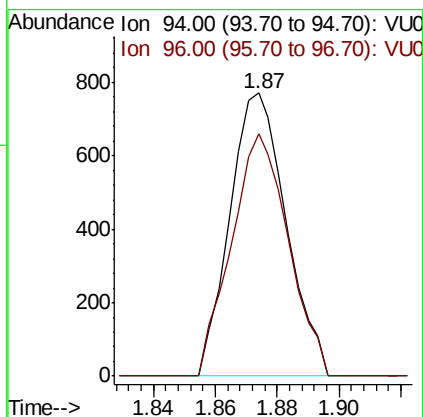
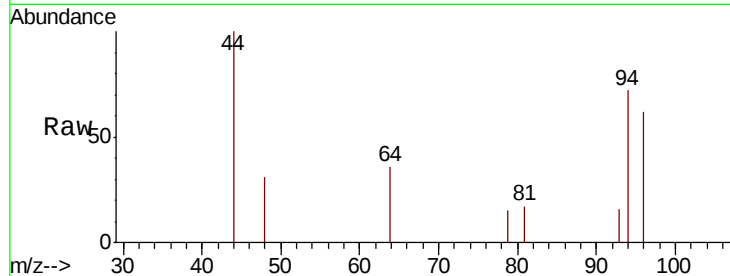




#5
Bromomethane
Concen: 0.476 ug/l
RT: 1.87 min Scan# 166
Delta R.T. 0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

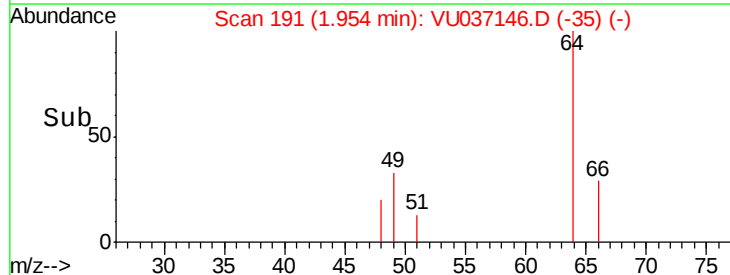
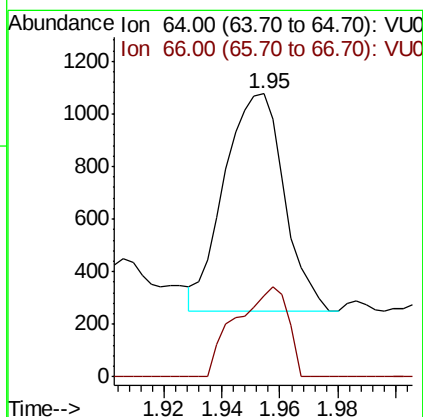
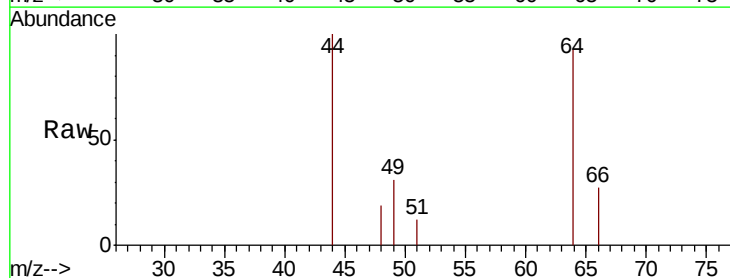
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2020

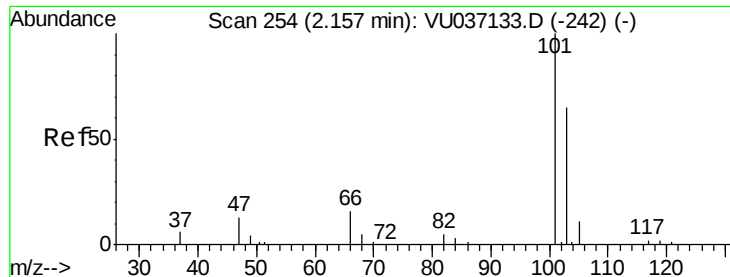
Tot Ion: 94 Resp: 974
Ion Ratio Lower Upper
94 100
96 85.6 74.6 112.0



#6
Chloroethane
Concen: 0.421 ug/l
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Tgt Ion: 64 Resp: 1184
Ion Ratio Lower Upper
64 100
66 37.4 25.5 38.3



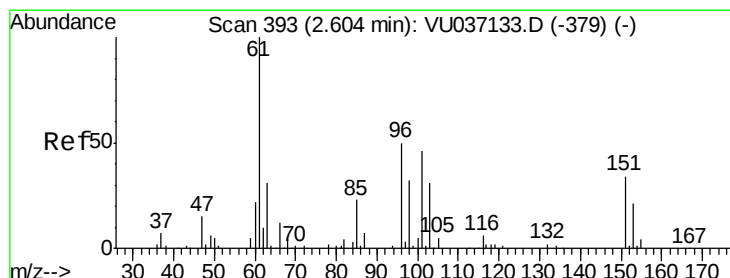
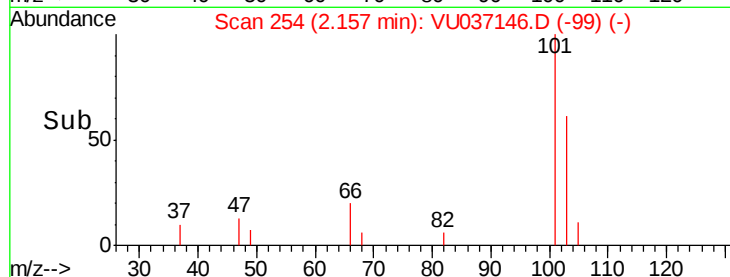
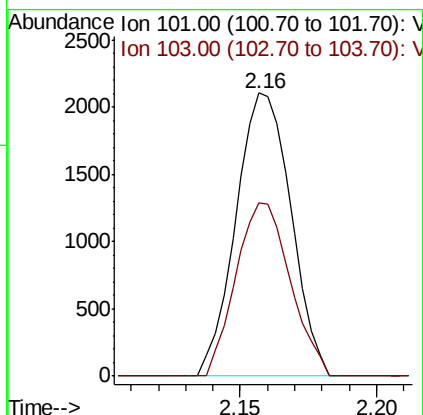
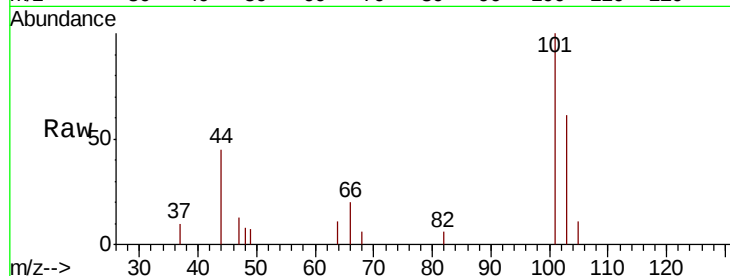


#7

Trichlorofluoromethane
 Concen: 0.413 ug/l
 RT: 2.16 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2020

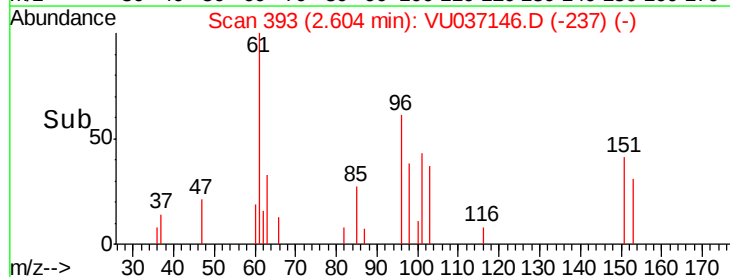
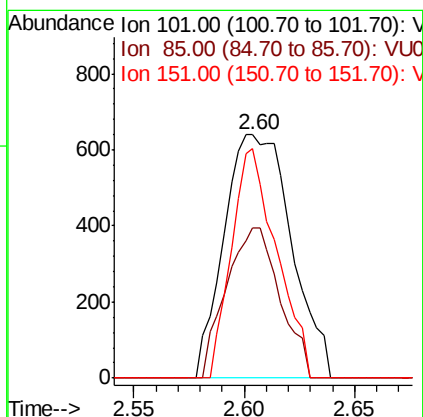
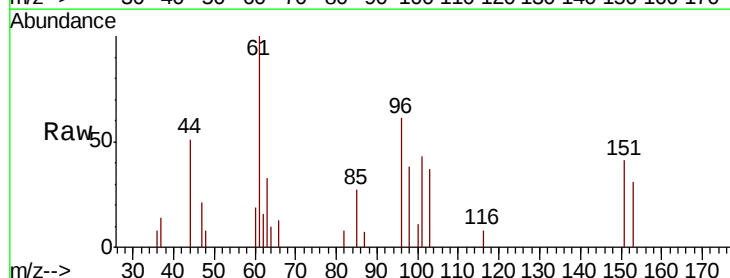
Tot Ion:101 Resp: 2943
 Ion Ratio Lower Upper
 101 100
 103 61.1 53.0 79.6

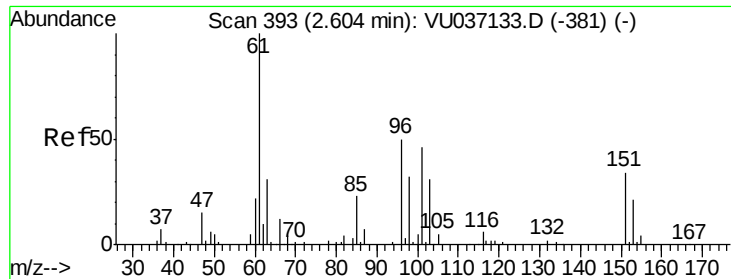


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.406 ug/l
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

Tgt Ion:101 Resp: 1357
 Ion Ratio Lower Upper
 101 100
 85 49.2 33.9 50.9
 151 63.2 59.8 89.8





#9

1,1-Dichloroethene

Concen: 0.437 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2020

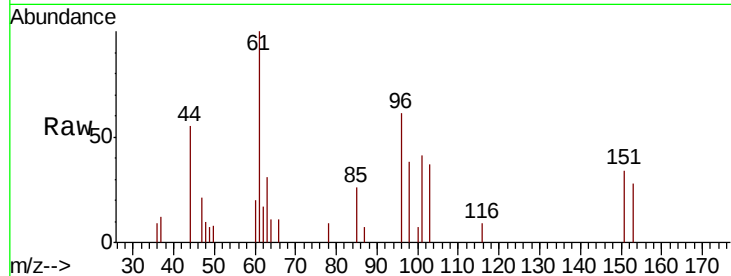
Tot Ion: 96 Resp: 1391

Ion Ratio Lower Upper

96 100

61 162.9 0.0 463.2

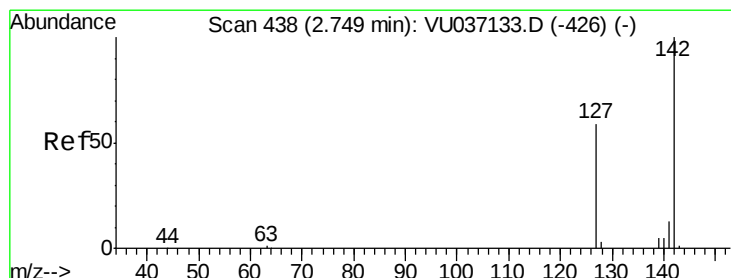
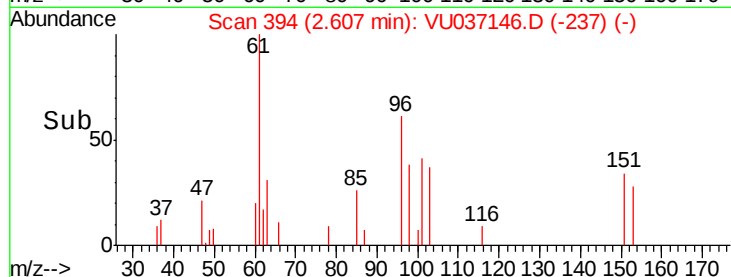
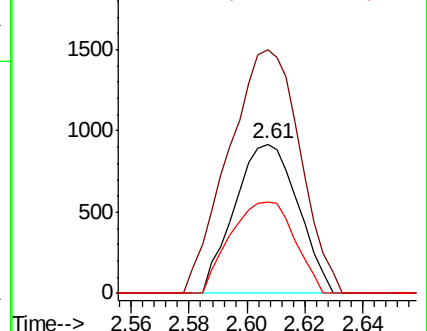
98 61.5 0.0 130.0



Abundance Ion 96.00 (95.70 to 96.70): VU037133.D (-381) (-)

Ion 61.00 (60.70 to 61.70): VU037133.D (-381) (-)

Ion 98.00 (97.70 to 98.70): VU037133.D (-381) (-)



#10

Iodomethane

Concen: 0.447 ug/l

RT: 2.75 min Scan# 439

Delta R.T. 0.00 min

Lab File: VU037146.D

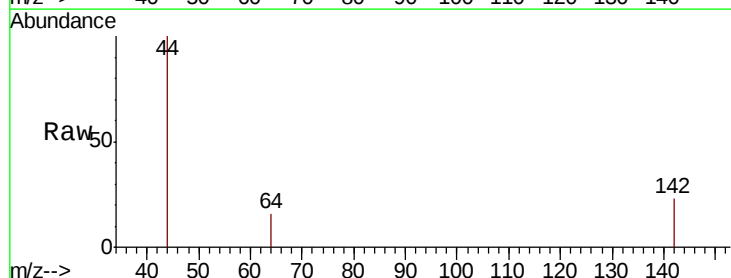
Acq: 10 Mar 2020 11:42

Tgt Ion: 142 Resp: 244

Ion Ratio Lower Upper

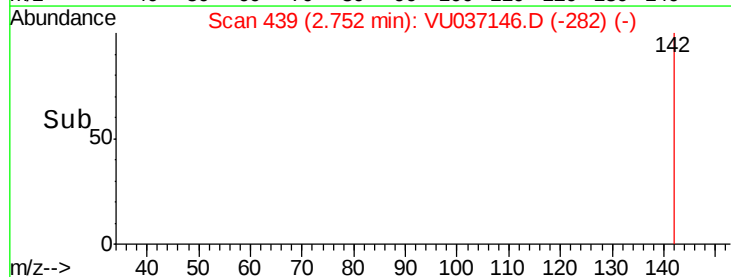
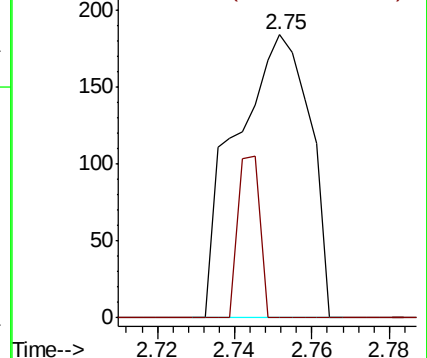
142 100

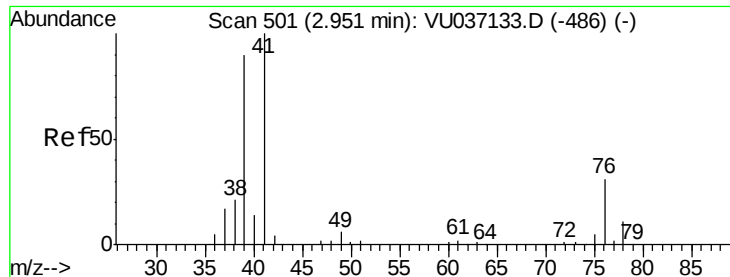
127 16.4 30.3 45.5#



Abundance Ion 142.00 (141.70 to 142.70): VU037133.D (-426) (-)

Ion 127.00 (126.70 to 127.70): VU037133.D (-426) (-)





#11

Allvl Chloride

Concen: 0.420 ug/l

RT: 2.95 min Scan# 501

Delta R.T. -0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

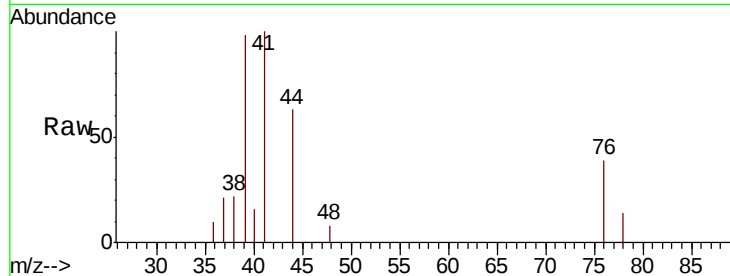
MDL-WATER-03-QT1-2020

Tot Ion: 41 Resp: 2590

Ion Ratio Lower Upper

41 100

39 96.4 50.7 76.1#



Abundance Ion 41.00 (40.70 to 41.70): VU037133.D (-486) (-)

Ion 39.00 (38.70 to 39.70): VU037133.D (-486) (-)

2.95

1500

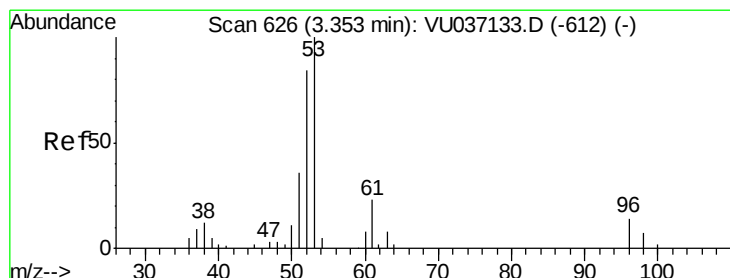
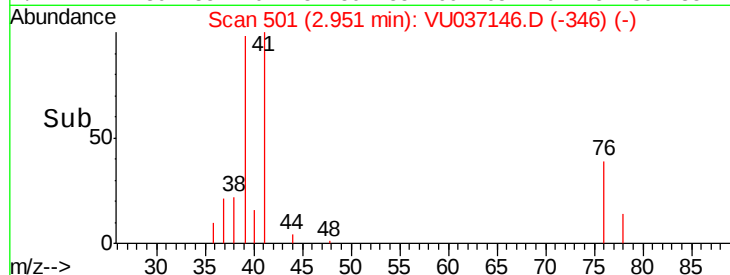
1000

500

0

2.90 2.95 3.00

Time-->



#12

Acrylonitrile

Concen: 0.819 ug/l

RT: 3.37 min Scan# 630

Delta R.T. 0.01 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

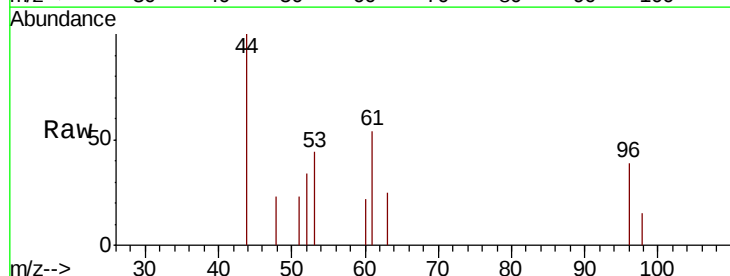
Tgt Ion: 53 Resp: 616

Ion Ratio Lower Upper

53 100

52 84.3 64.6 97.0

51 36.0 27.2 40.8



Abundance Ion 53.00 (52.70 to 53.70): VU037133.D (-612) (-)

Ion 52.00 (51.70 to 52.70): VU037133.D (-612) (-)

Ion 51.00 (50.70 to 51.70): VU037133.D (-612) (-)

3.37

400

300

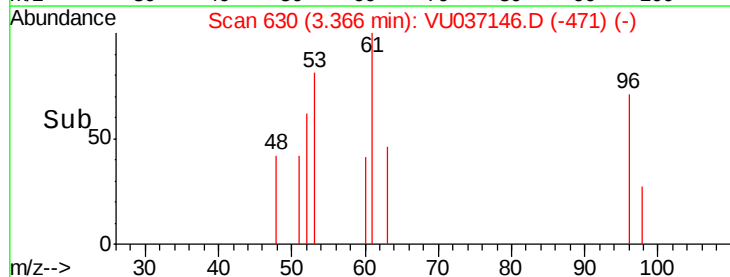
200

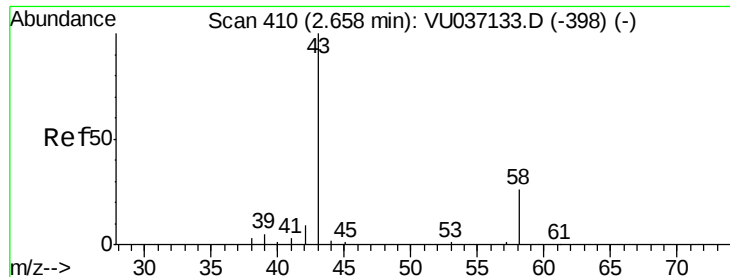
100

0

3.35 3.37 3.40

Time-->





#13

Acetone

Concen: 2.409 ug/l

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

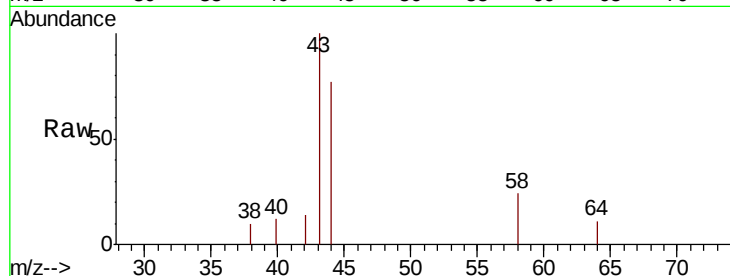
MDL-WATER-03-QT1-2020

Tot Ion: 43 Resp: 2014

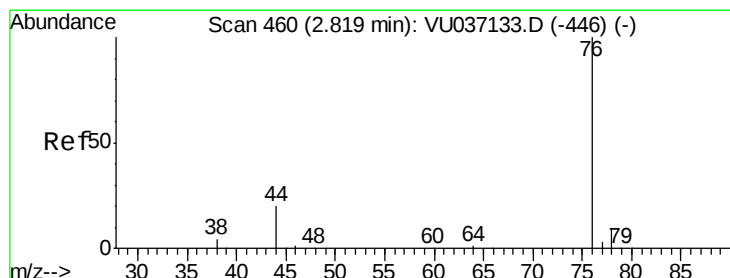
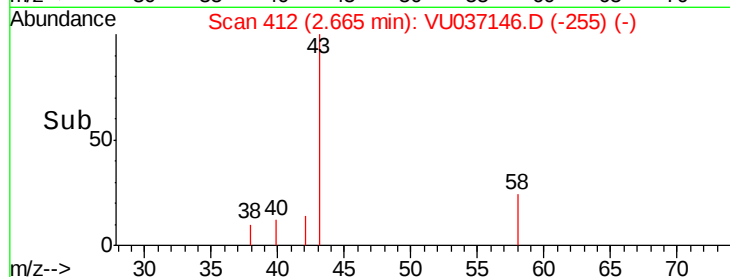
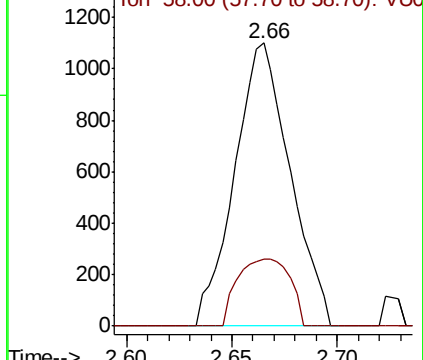
Ion Ratio Lower Upper

43 100

58 23.8 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VU037133.D (-398) (-)



#14

Carbon Disulfide

Concen: 0.420 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037146.D

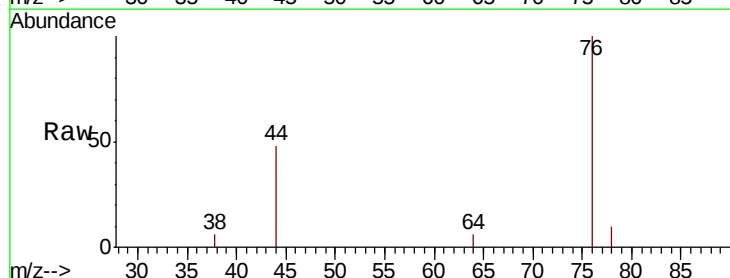
Acq: 10 Mar 2020 11:42

Tgt Ion: 76 Resp: 4445

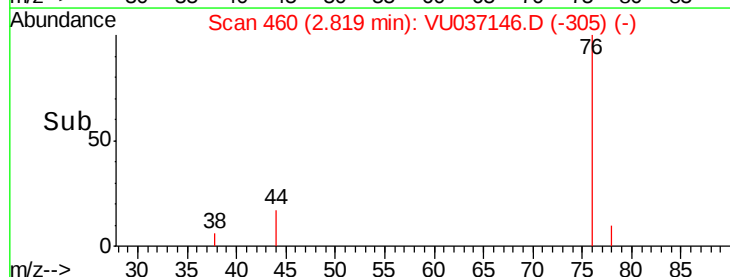
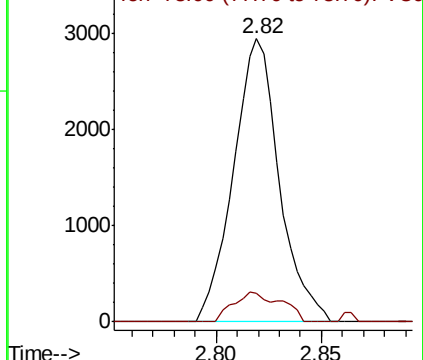
Ion Ratio Lower Upper

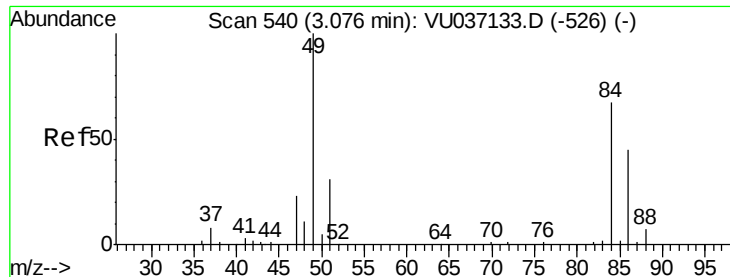
76 100

78 10.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU037133.D (-446) (-)

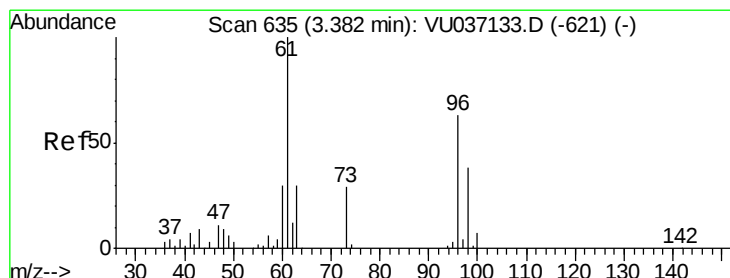
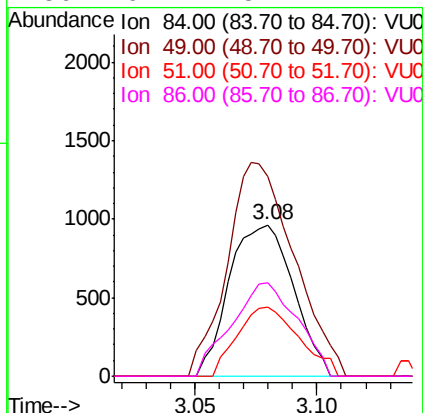
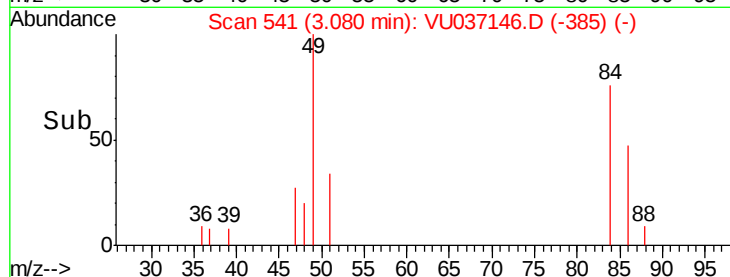
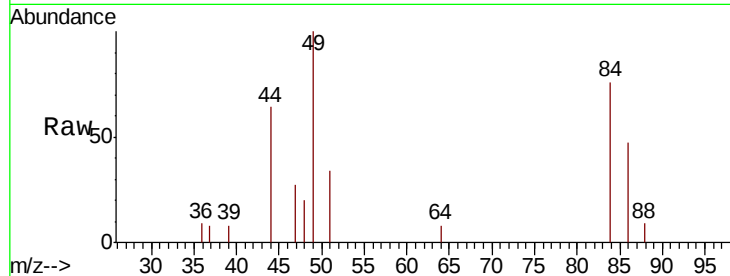




#15
Methvlene Chloride
Concen: 0.441 ug/l
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

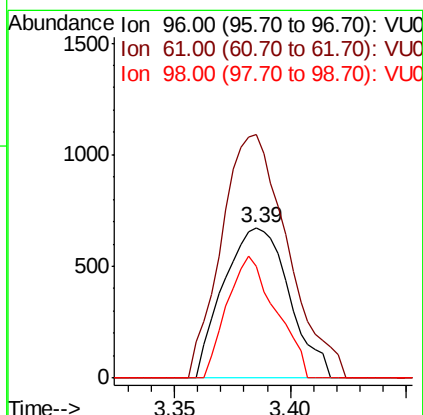
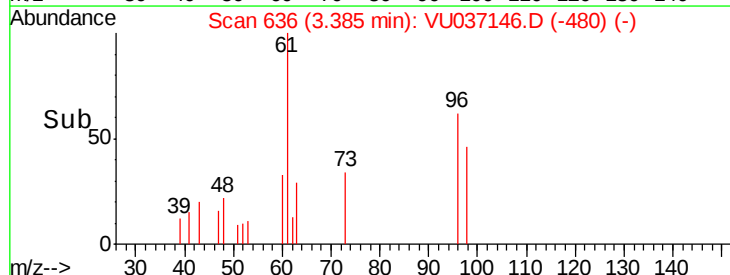
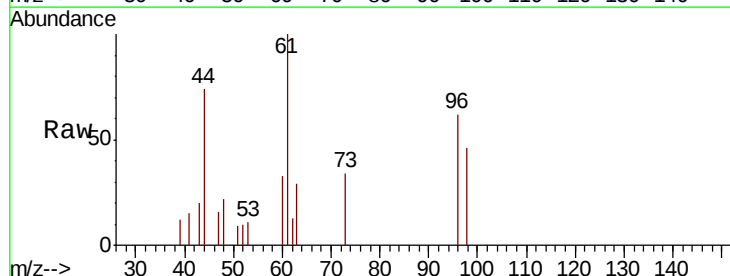
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2020

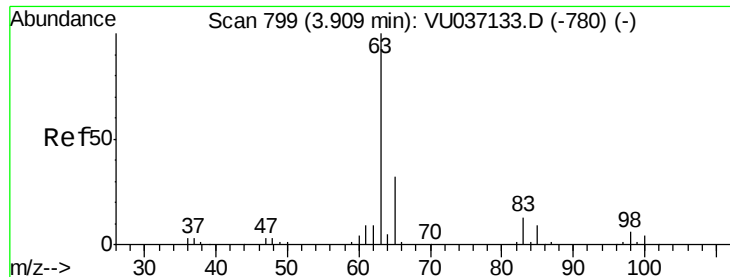
Tot Ion: 84 Resp: 1762
Ion Ratio Lower Upper
84 100
49 132.2 89.7 134.5
51 45.5 0.0 71.6
86 62.1 51.4 77.2



#16
trans-1,2-Dichloroethene
Concen: 0.392 ug/l
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Tgt Ion: 96 Resp: 1324
Ion Ratio Lower Upper
96 100
61 162.0 110.8 166.2
98 74.4 50.3 75.5

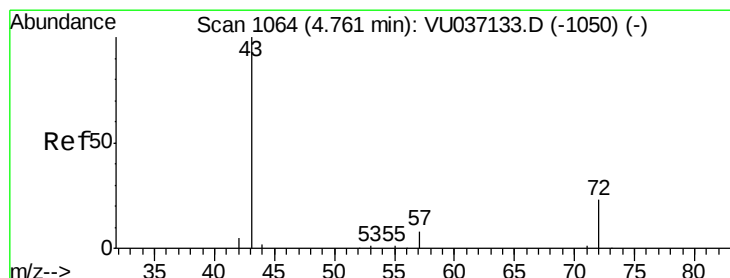
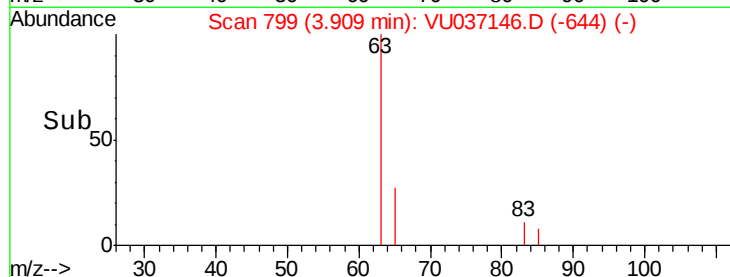
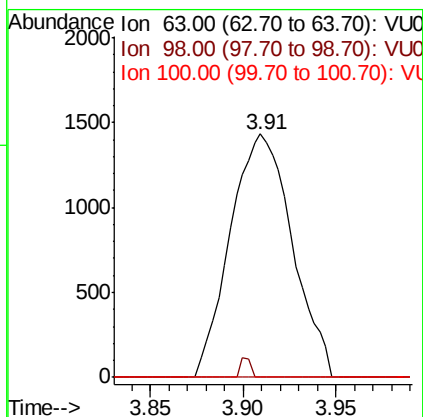
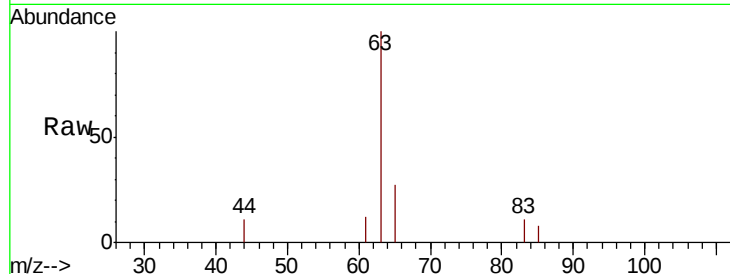




#17
 1,1-Dichloroethane
 Concen: 0.424 ug/l
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

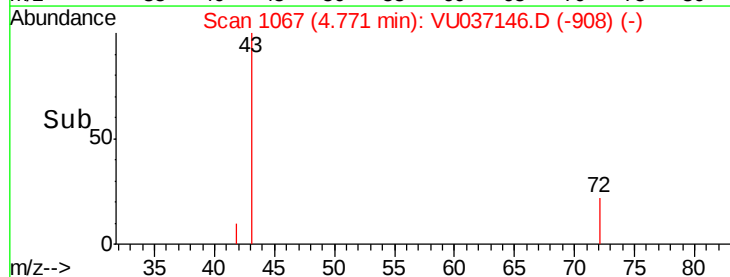
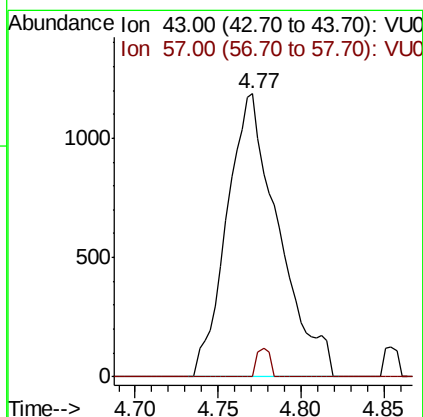
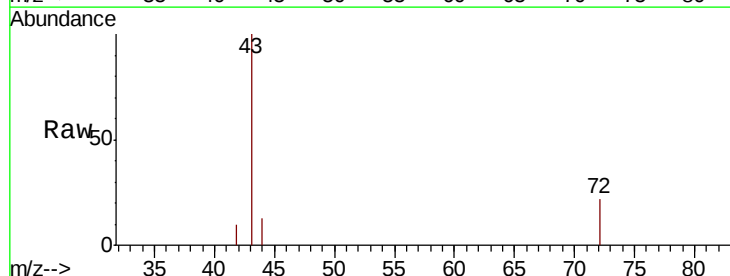
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2020

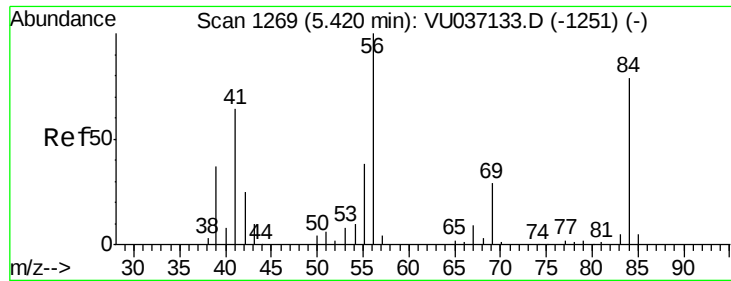
Tot Ion: 63 Resp: 3321
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.5#
 100 0.0 2.4 7.1#



#18
 2-Butanone
 Concen: 2.014 ug/l
 RT: 4.77 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

Tgt Ion: 43 Resp: 2573
 Ion Ratio Lower Upper
 43 100
 57 0.0 0.0 17.8

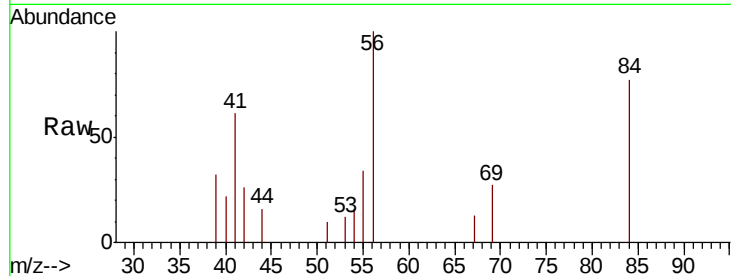




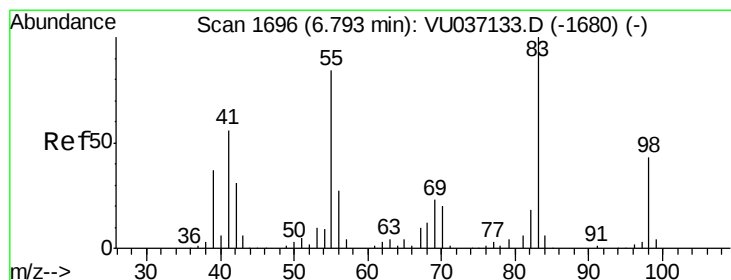
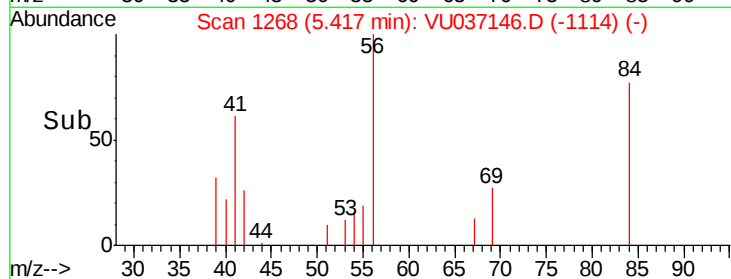
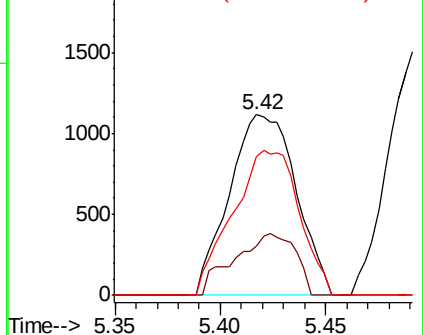
#19
Cyclohexane
Concen: 0.368 ug/l
RT: 5.42 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2020

Tot Ion: 56 Resp: 2453
Ion Ratio Lower Upper
56 100
69 31.1 26.2 39.2
84 79.7 72.8 109.2

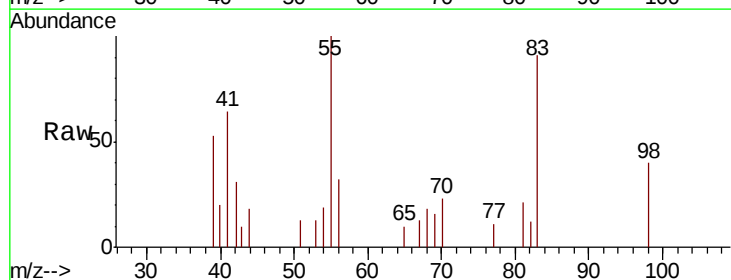


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

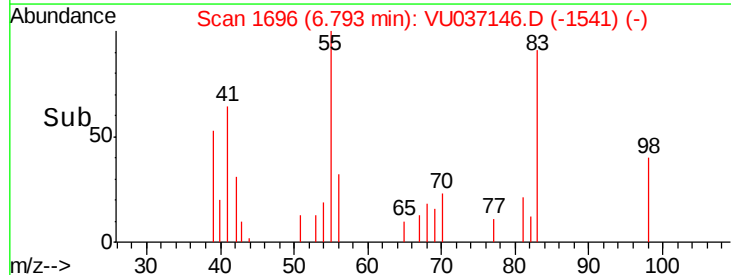
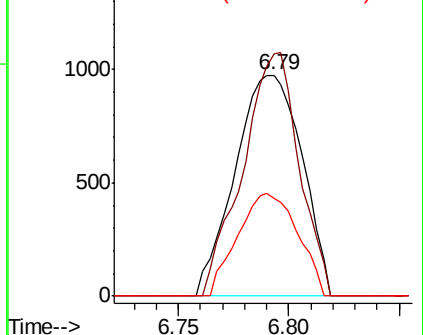


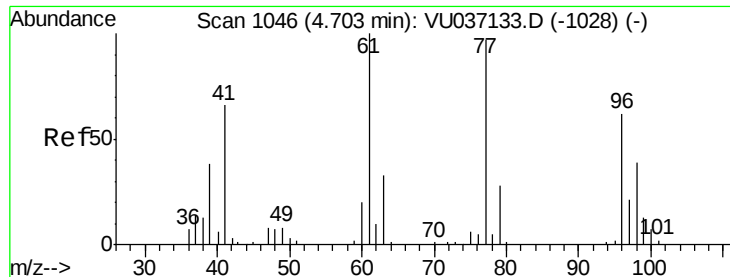
#20
Methylcyclohexane
Concen: 0.311 ug/l
RT: 6.79 min Scan# 1696
Delta R.T. -0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Tgt Ion: 83 Resp: 2046
Ion Ratio Lower Upper
83 100
55 92.7 56.6 85.0#
98 41.7 37.5 56.3



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

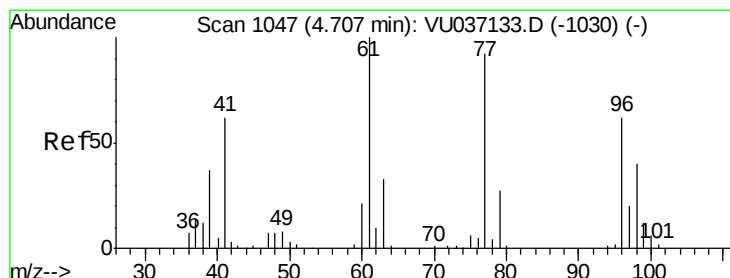
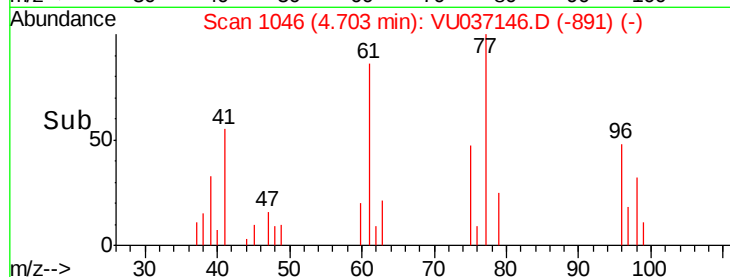
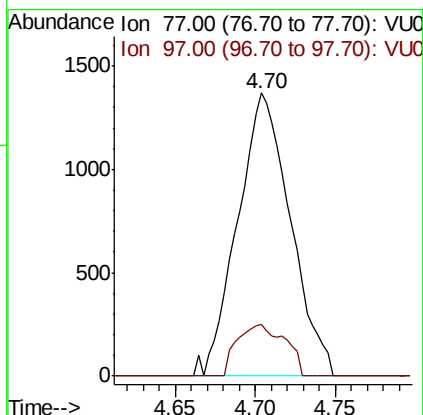
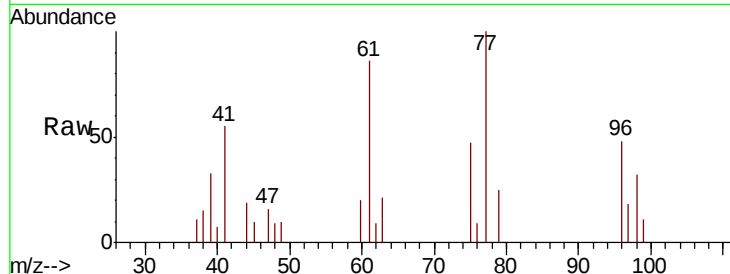




#21
 2,2-Dichloropropane
 Concen: 0.433 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

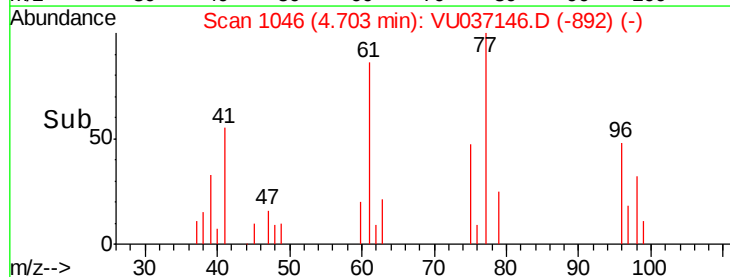
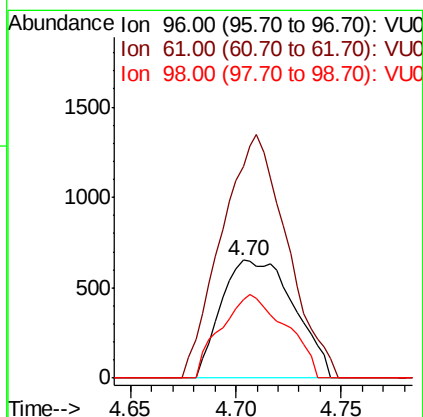
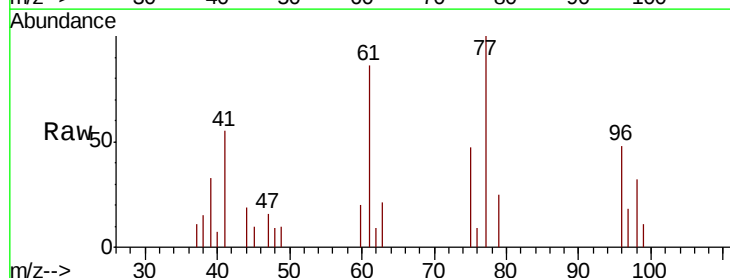
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2020

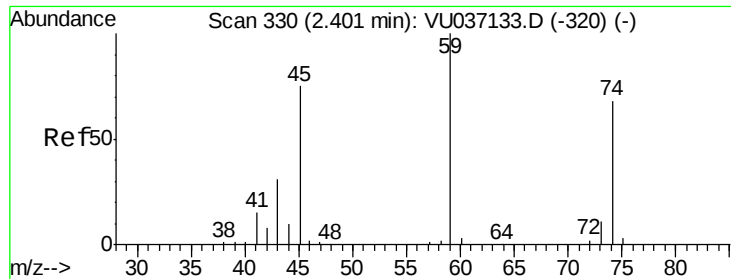
Tot Ion: 77 Resp: 3094
 Ion Ratio Lower Upper
 77 100
 97 16.5 19.0 28.4#



#22
 cis-1,2-Dichloroethene
 Concen: 0.375 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

Tgt Ion: 96 Resp: 1568
 Ion Ratio Lower Upper
 96 100
 61 185.5 0.0 342.0
 98 63.1 32.0 96.0





#23

Diethyl Ether

Concen: 0.386 ug/l

RT: 2.40 min Scan# 331

Delta R.T. 0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2020

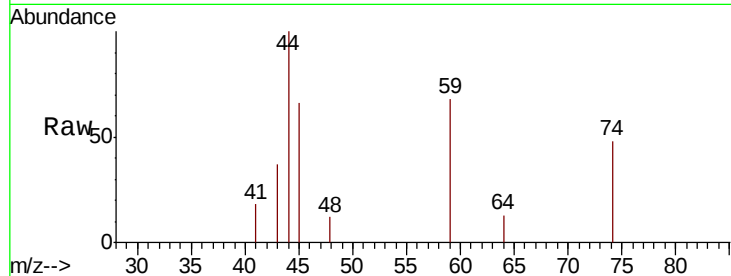
Tot Ion: 59 Resp: 1039

Ion Ratio Lower Upper

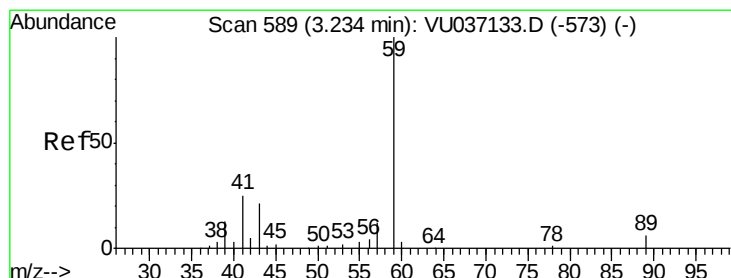
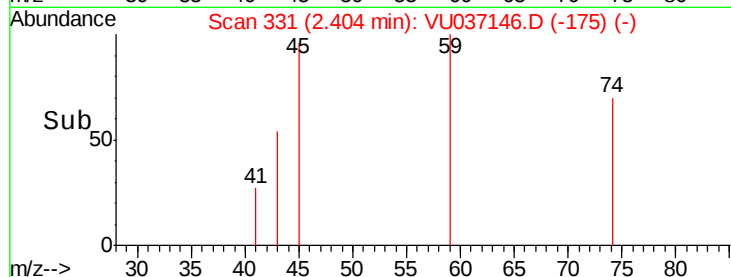
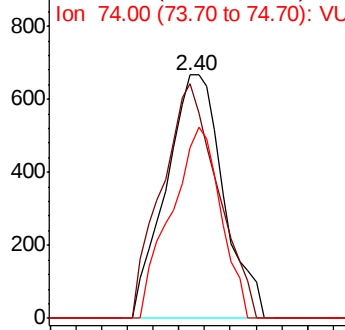
59 100

45 93.8 52.4 78.6#

74 68.1 62.1 93.1



Abundance Ion 59.00 (58.70 to 59.70): VU037133.D (-320) (-)



#24

tert-Butyl Alcohol

Concen: 4.879 ug/l

RT: 3.25 min Scan# 593

Delta R.T. 0.01 min

Lab File: VU037146.D

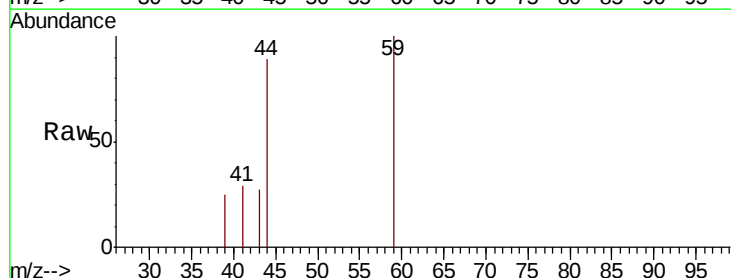
Acq: 10 Mar 2020 11:42

Tgt Ion: 59 Resp: 1437

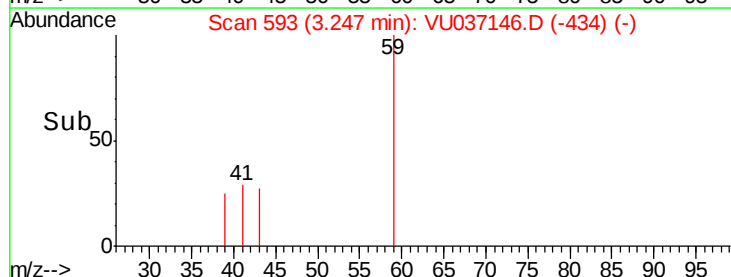
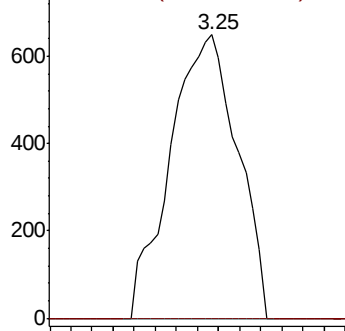
Ion Ratio Lower Upper

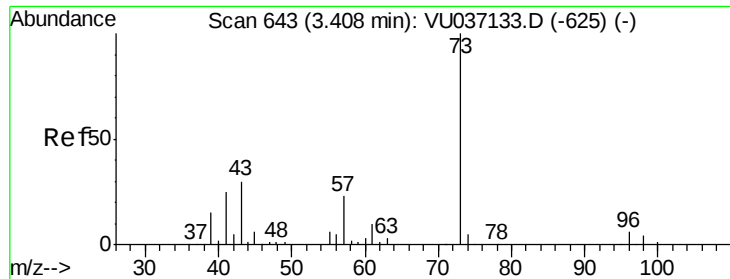
59 100

57 59.4 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU037133.D (-573) (-)



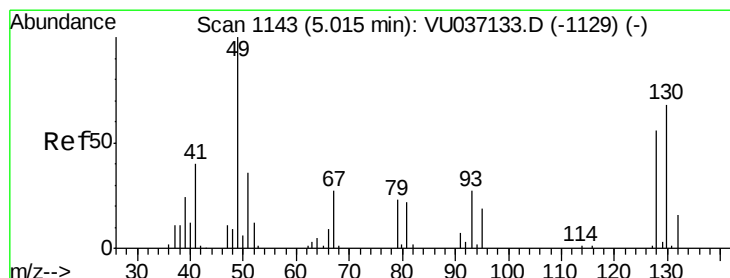
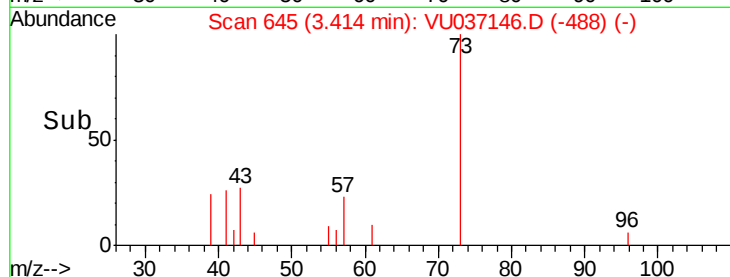
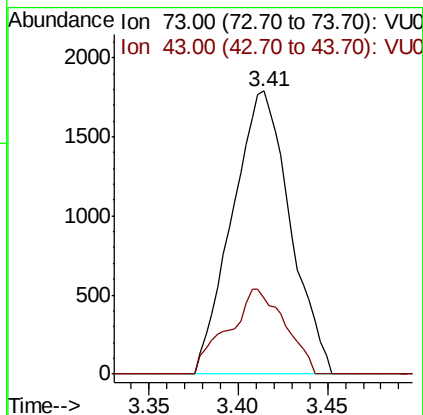
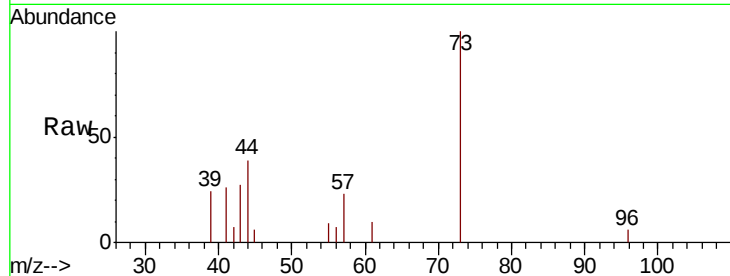


#25

Methyl tert-Butyl Ether
 Concen: 0.434 ug/l
 RT: 3.41 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2020

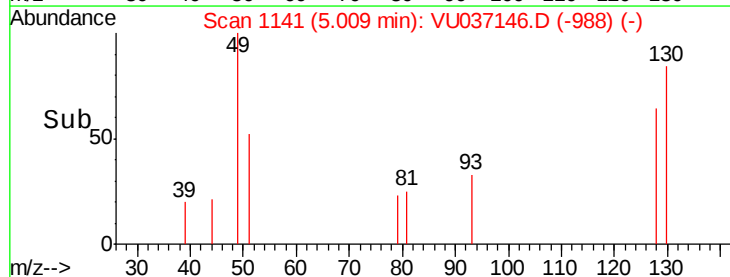
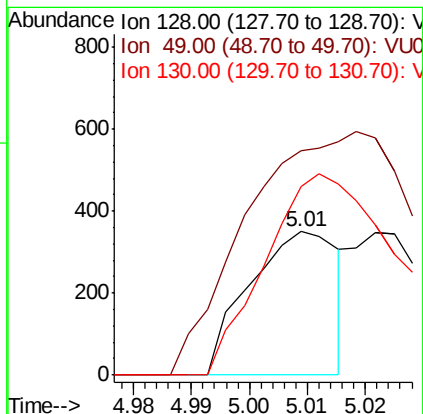
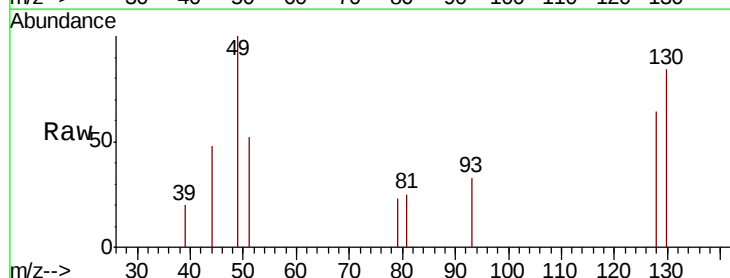
Tot Ion: 73 Resp: 4040
 Ion Ratio Lower Upper
 73 100
 43 29.5 14.5 21.7#

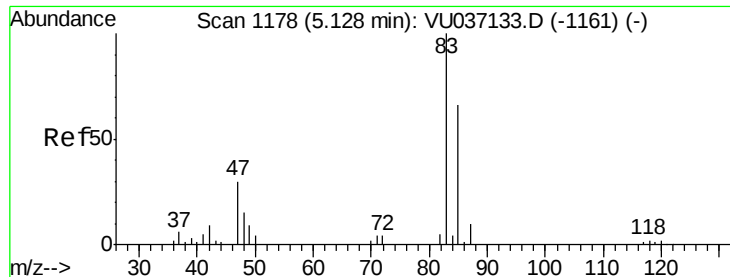


#26

Bromochloromethane
 Concen: 0.203 ug/l
 RT: 5.01 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

Tgt Ion: 128 Resp: 373
 Ion Ratio Lower Upper
 128 100
 49 346.1 0.0 286.2#
 130 219.8 104.3 156.5#

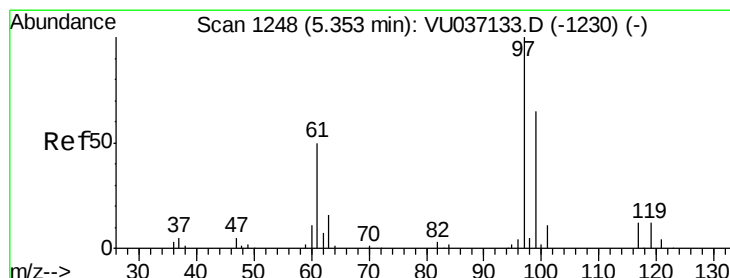
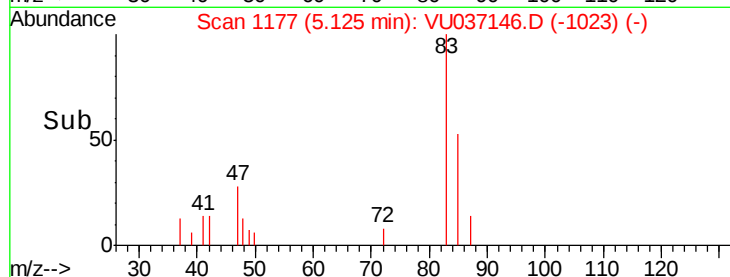
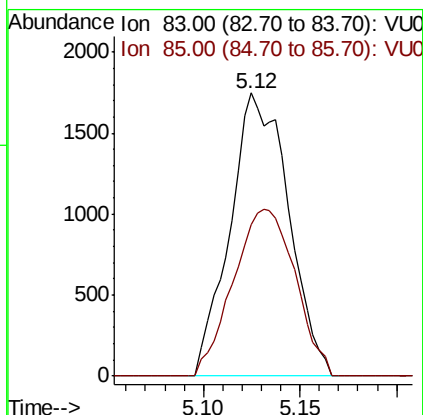
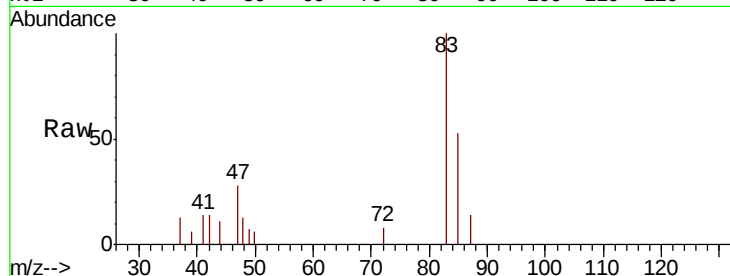




#27
Chloroform
Concen: 0.434 ug/l
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

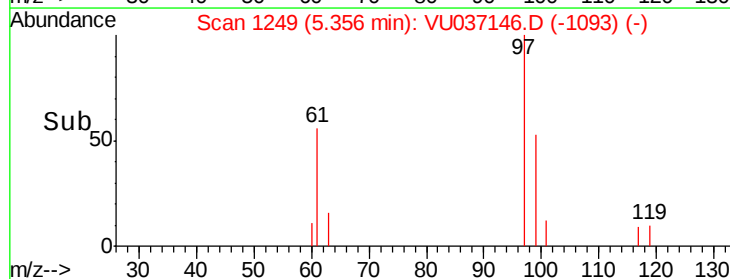
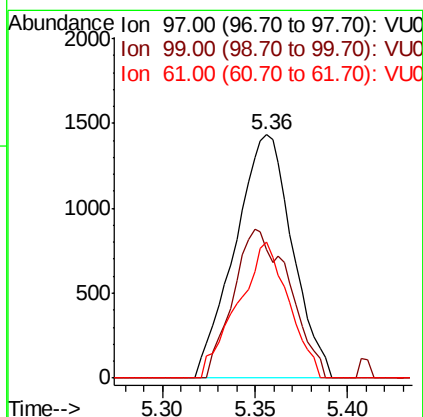
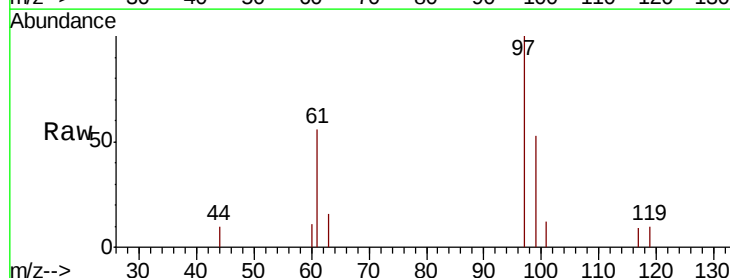
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2020

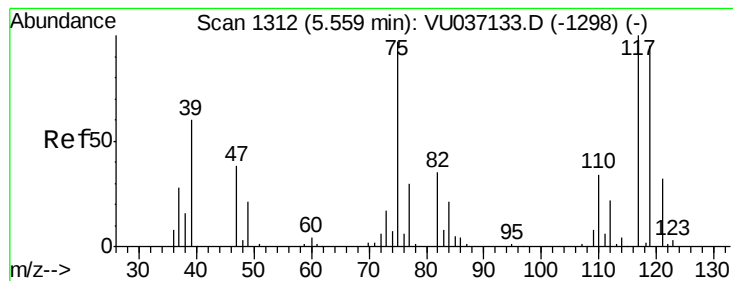
Tot Ion: 83 Resp: 3662
Ion Ratio Lower Upper
83 100
85 53.3 0.0 129.0



#28
1,1,1-Trichloroethane
Concen: 0.430 ug/l
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Tgt Ion: 97 Resp: 3093
Ion Ratio Lower Upper
97 100
99 59.9 32.1 96.3
61 49.5 22.7 68.0





#29

1,1-Dichloropropene

Concen: 0.357 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2020

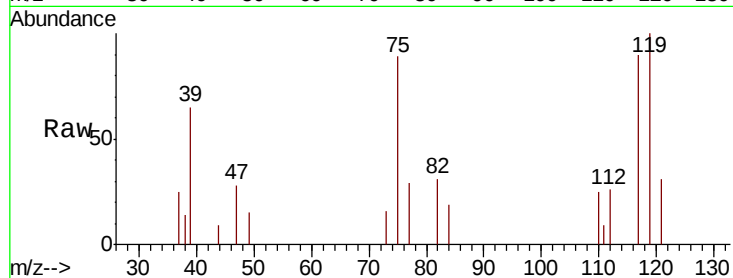
Tot Ion: 75 Resp: 2086

Ion Ratio Lower Upper

75 100

110 30.0 18.6 55.8

77 30.5 25.0 37.4

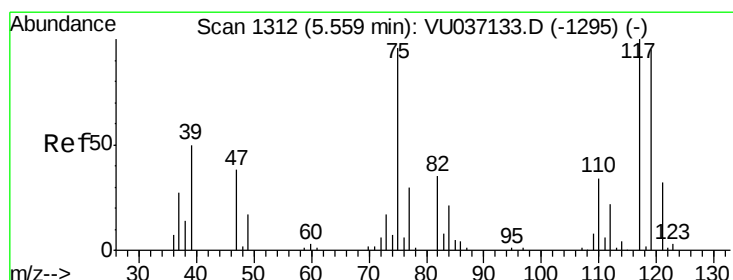
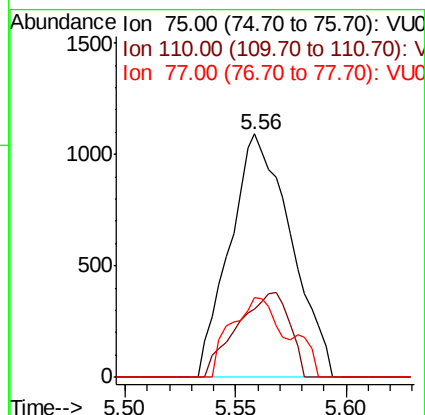
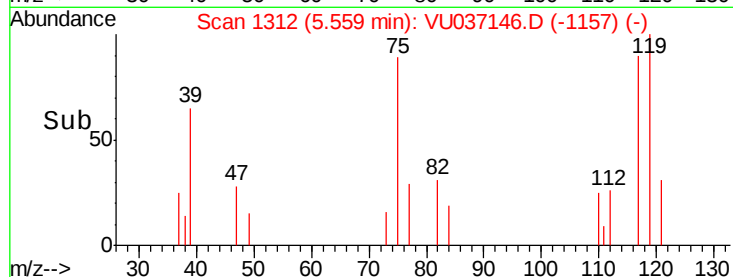


Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-1298) (-)

Ion 110.00 (109.70 to 110.70): VU037133.D (-1298) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-1298) (-)

5.56



#30

Carbon Tetrachloride

Concen: 0.392 ug/l

RT: 5.56 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

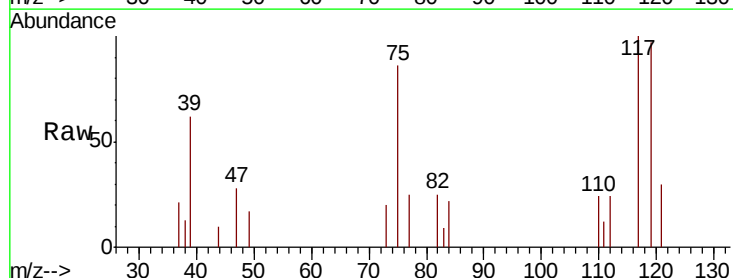
Tgt Ion: 117 Resp: 2463

Ion Ratio Lower Upper

117 100

119 96.8 77.0 115.6

121 30.3 23.3 34.9

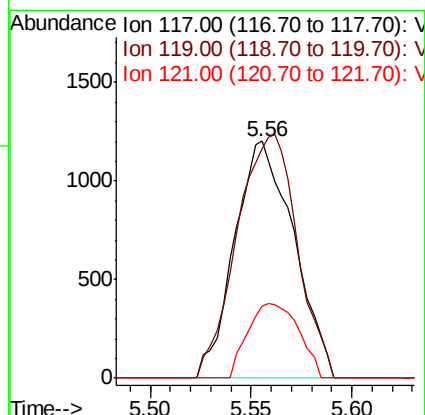
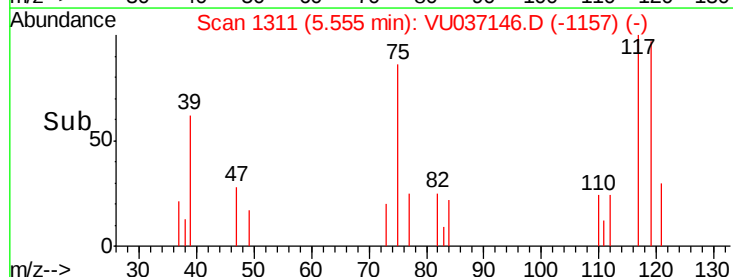


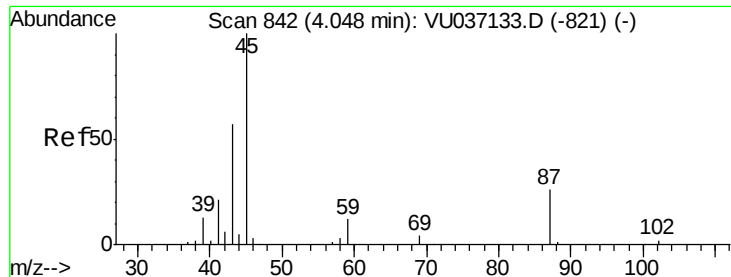
Abundance Ion 117.00 (116.70 to 117.70): VU037133.D (-1295) (-)

Ion 119.00 (118.70 to 119.70): VU037133.D (-1295) (-)

Ion 121.00 (120.70 to 121.70): VU037133.D (-1295) (-)

5.56





#31

Isopropyl Ether

Concen: 0.387 ug/l

RT: 4.05 min Scan# 844

Delta R.T. 0.01 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

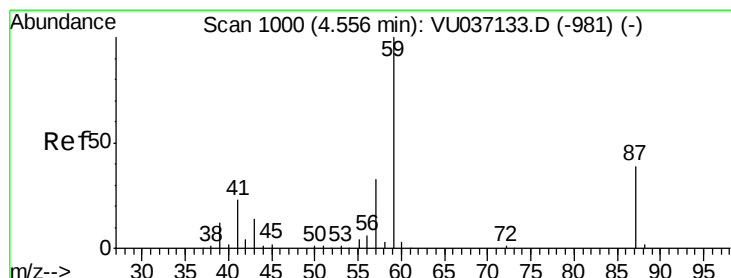
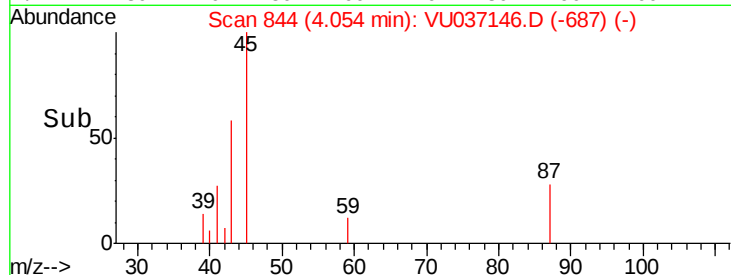
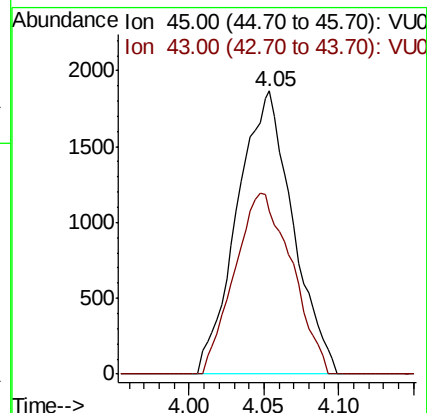
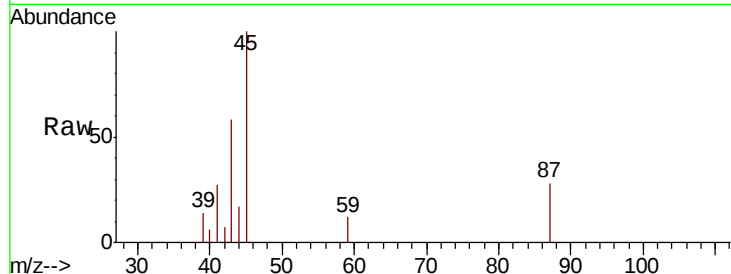
MDL-WATER-03-QT1-2020

Tot Ion: 45 Resp: 4832

Ion Ratio Lower Upper

45 100

43 65.6 24.0 72.0



#32

Ethyl-t-butyl ether

Concen: 0.388 ug/l

RT: 4.56 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VU037146.D

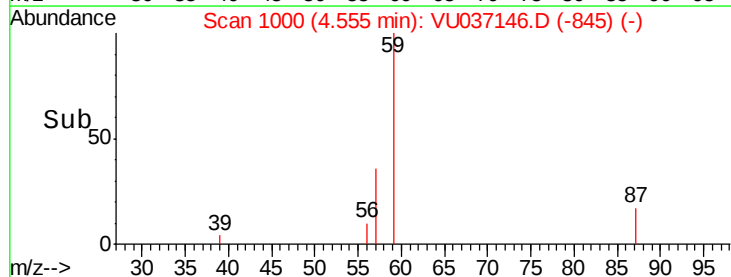
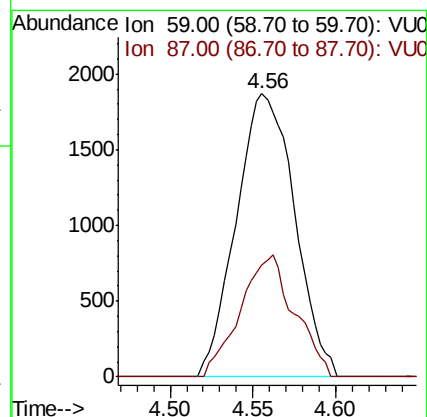
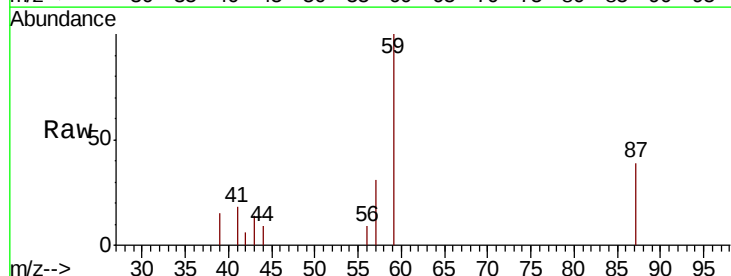
Acq: 10 Mar 2020 11:42

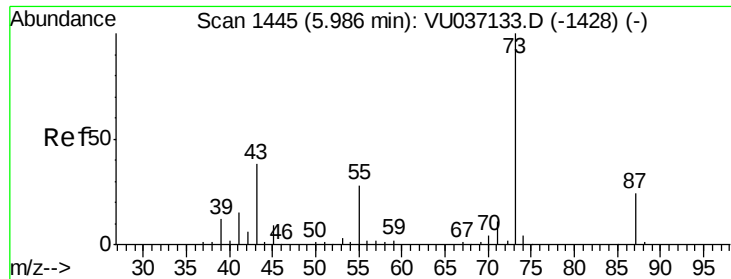
Tgt Ion: 59 Resp: 4582

Ion Ratio Lower Upper

59 100

87 40.0 35.1 52.7

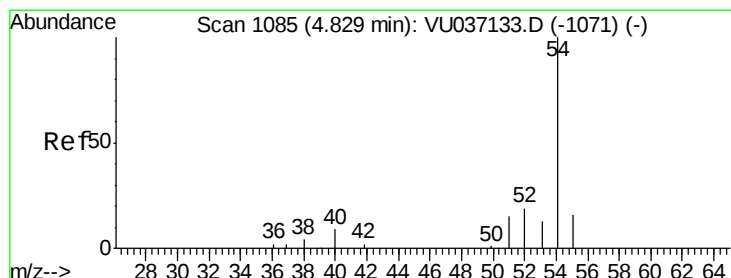
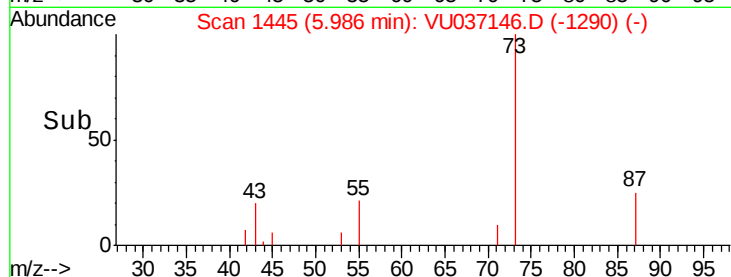
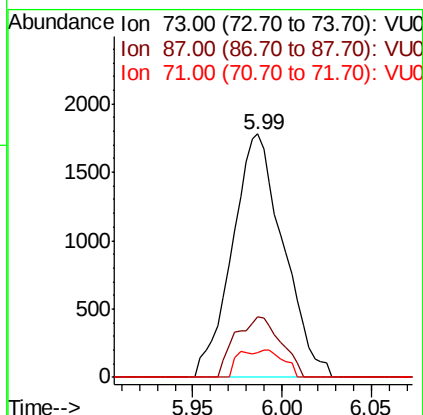
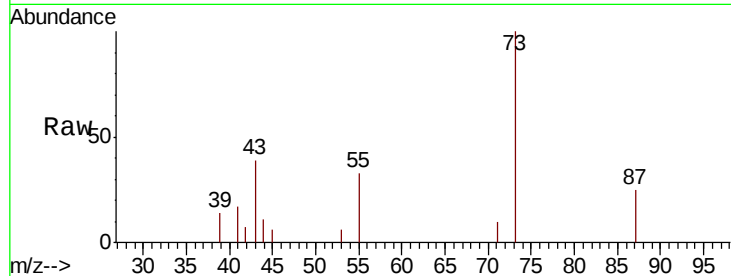




#33
Tert-Butyl methyl ether
Concen: 0.351 ug/l
RT: 5.99 min Scan# 1445
Delta R.T. -0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

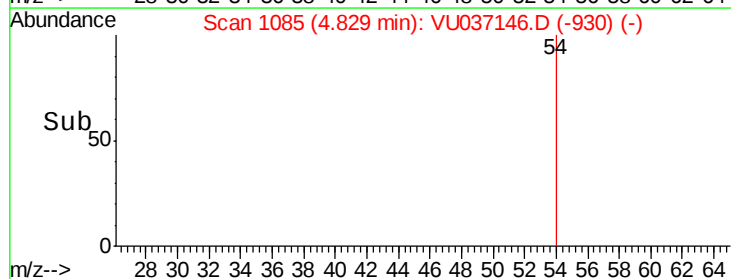
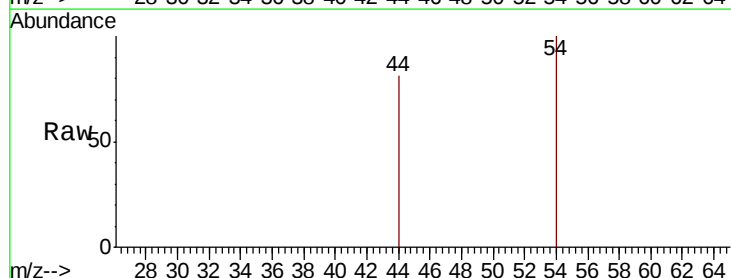
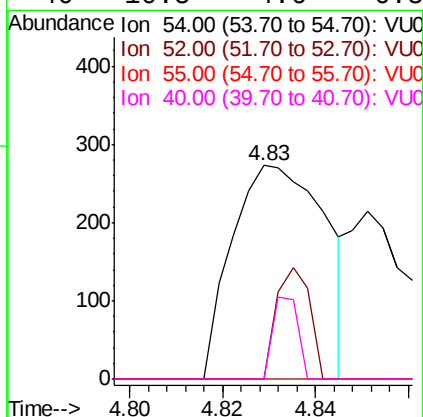
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2020

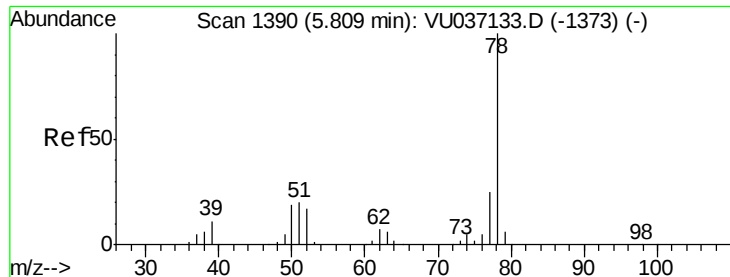
Tot Ion: 73 Resp: 3552
Ion Ratio Lower Upper
73 100
87 22.2 19.8 29.6
71 3.7 9.1 13.7#



#34
Propionitrile
Concen: 1.137 ug/l
RT: 4.83 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Tgt Ion: 54 Resp: 382
Ion Ratio Lower Upper
54 100
52 18.6 15.2 22.8
55 192.9 9.5 14.3#
40 10.5 4.6 6.8#





#35

Benzene

Concen: 0.387 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

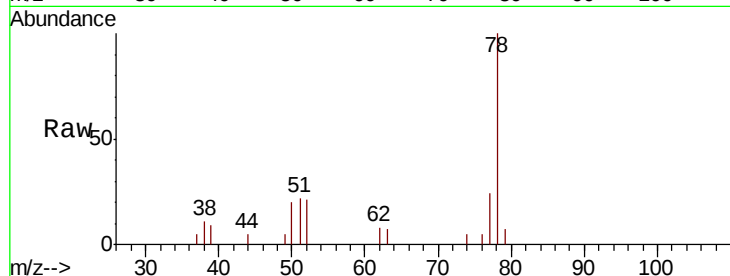
MDL-WATER-03-QT1-2020

Tot Ion: 78 Resp: 6427

Ion Ratio Lower Upper

78 100

77 23.7 19.4 29.0



Abundance Ion 78.10 (77.80 to 78.80): VU037133.D (-1373) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-1373) (-)

5.81

3000

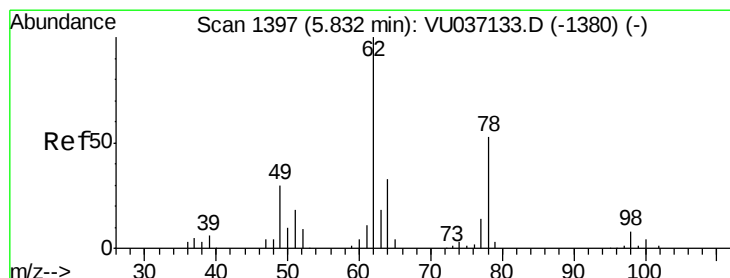
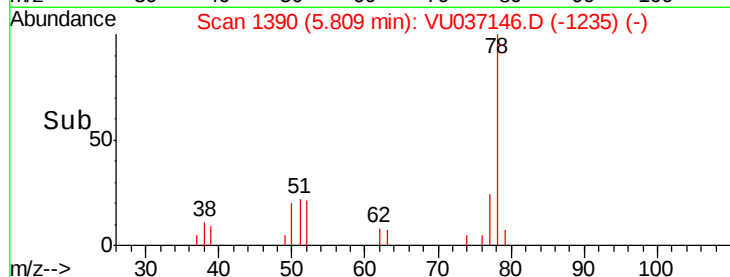
2000

1000

0

5.75 5.80 5.85

Time-->



#36

1,2-Dichloroethane

Concen: 0.392 ug/l

RT: 5.84 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VU037146.D

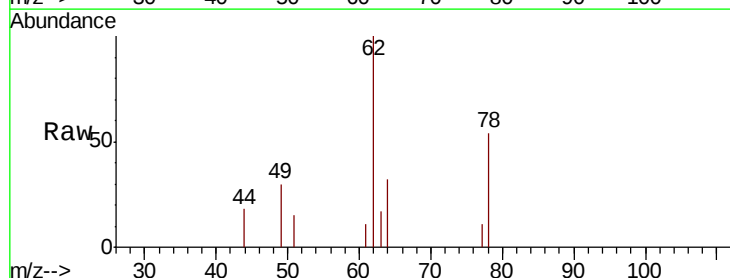
Acq: 10 Mar 2020 11:42

Tgt Ion: 62 Resp: 2359

Ion Ratio Lower Upper

62 100

98 0.8 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU037133.D (-1380) (-)

Ion 98.00 (97.70 to 98.70): VU037133.D (-1380) (-)

5.84

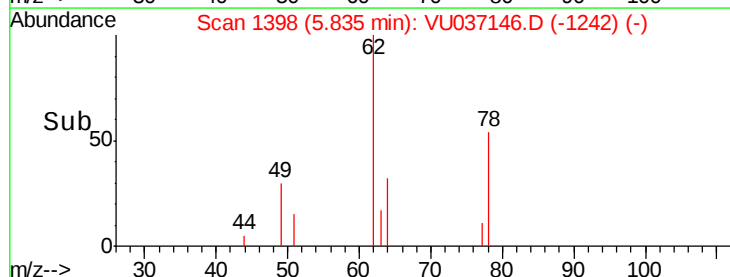
1000

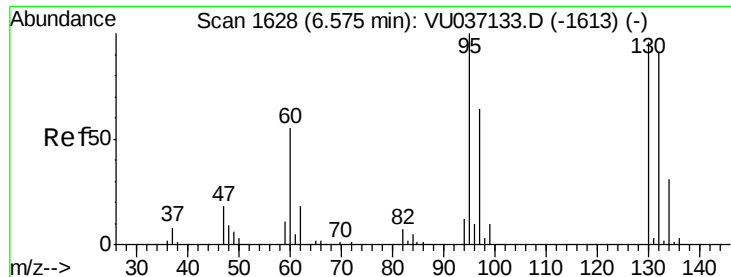
500

0

5.80 5.85

Time-->

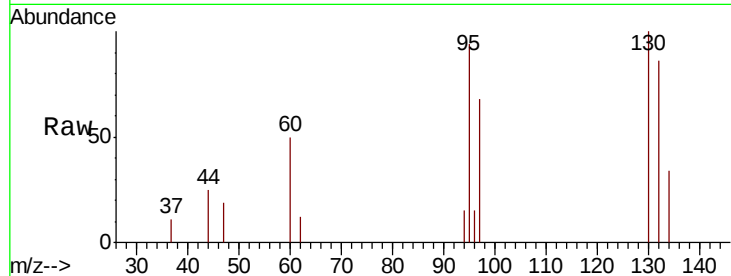




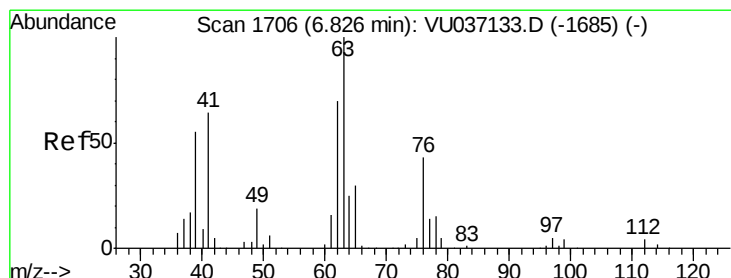
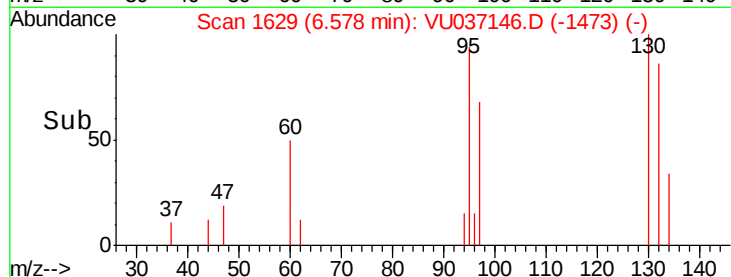
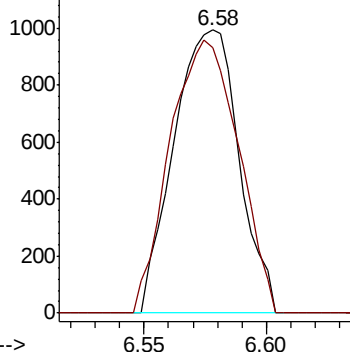
#37
 Trichloroethene
 Concen: 0.423 ug/l
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2020

Tot Ion:130 Resp: 1841
 Ion Ratio Lower Upper
 130 100
 95 93.9 77.0 115.4

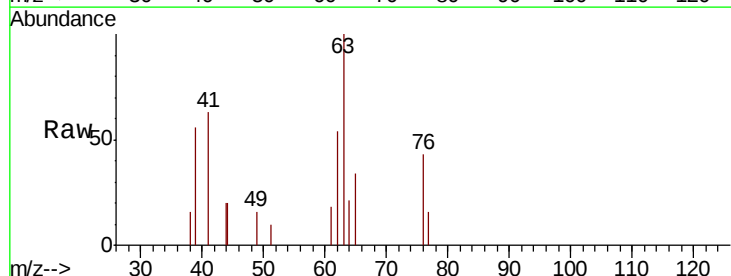


Abundance Ion 129.90 (129.60 to 130.60): VU037133.D (-1613) (-)
 Ion 94.90 (94.60 to 95.60): VU037133.D (-1613) (-)

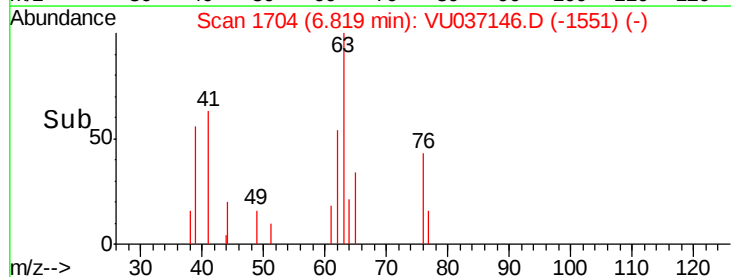
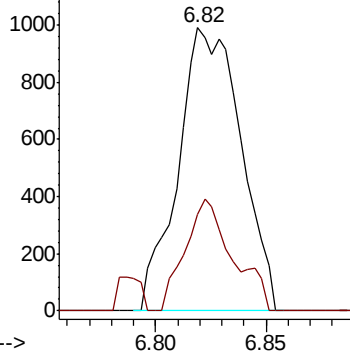


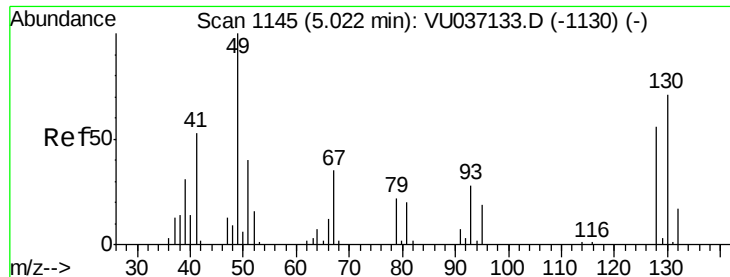
#38
 1,2-Dichloropropane
 Concen: 0.430 ug/l
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

Tgt Ion: 63 Resp: 1957
 Ion Ratio Lower Upper
 63 100
 65 34.1 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU037133.D (-1685) (-)
 Ion 65.00 (64.70 to 65.70): VU037133.D (-1685) (-)

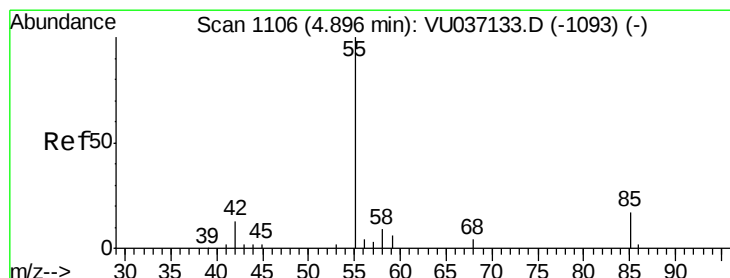
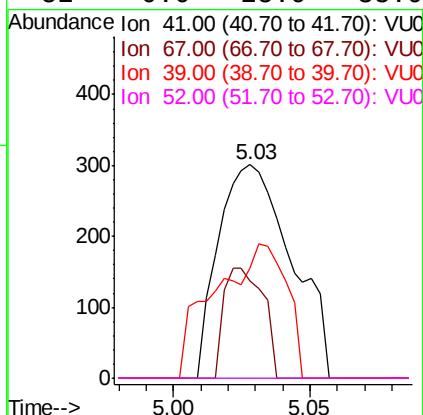
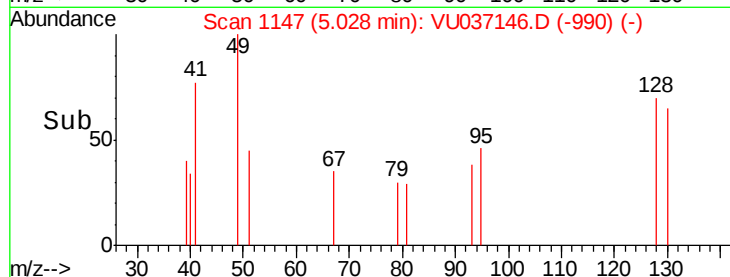
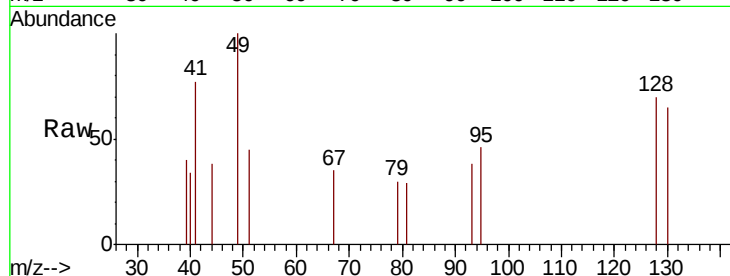




#39
Methacrylonitrile
Concen: 0.345 ug/l
RT: 5.03 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

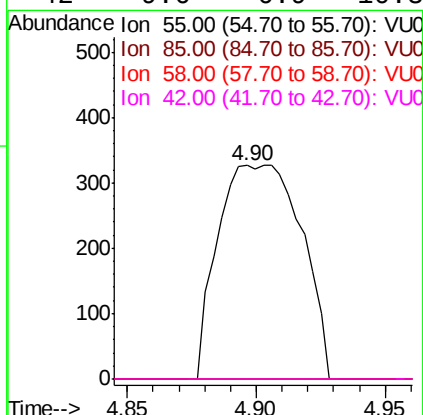
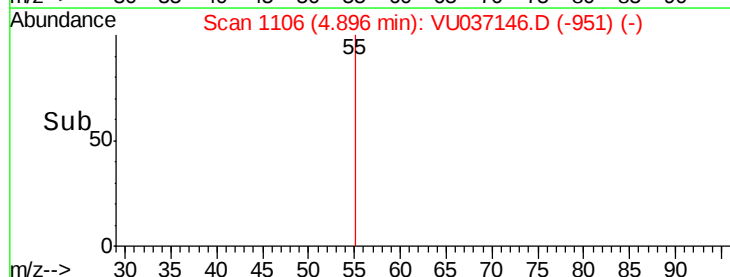
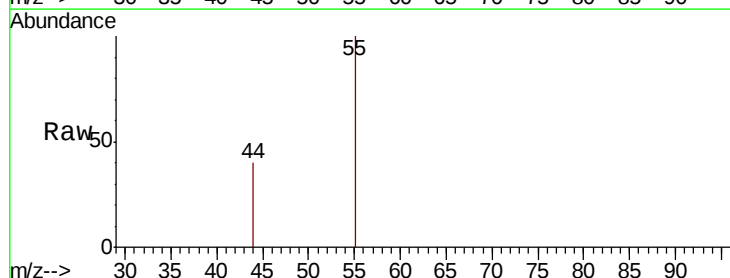
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2020

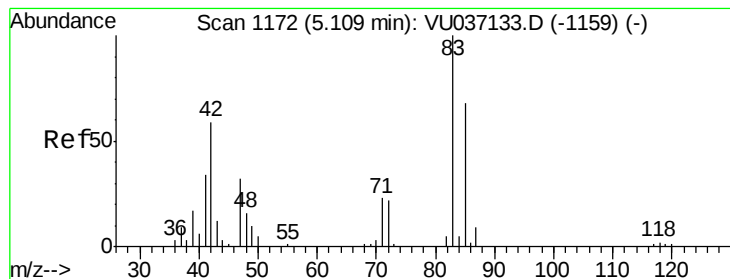
Tot Ion: 41 Resp: 560
Ion Ratio Lower Upper
41 100
67 28.0 69.6 104.4#
39 61.6 41.6 62.4
52 0.0 25.9 38.9#



#40
Methyl acrylate
Concen: 0.329 ug/l
RT: 4.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Tgt Ion: 55 Resp: 737
Ion Ratio Lower Upper
55 100
85 0.0 14.7 22.1#
58 0.0 7.1 10.7#
42 9.6 6.9 10.3





#41

Tetrahydrofuran

Concen: 0.773 ug/l

RT: 5.11 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2020

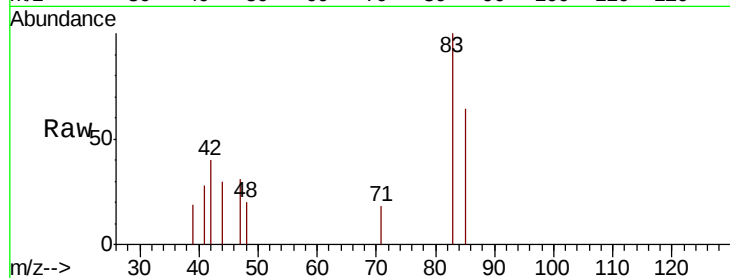
Tot Ion: 42 Resp: 625

Ion Ratio Lower Upper

42 100

72 15.4 42.5 63.7#

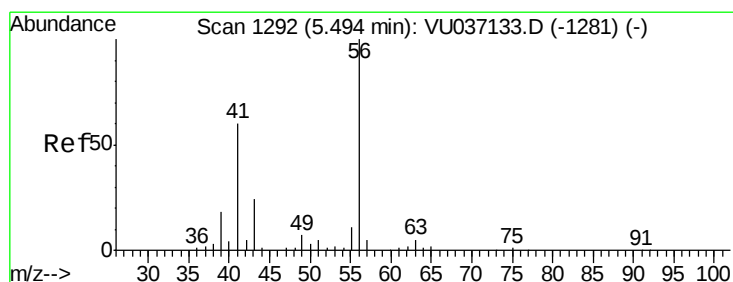
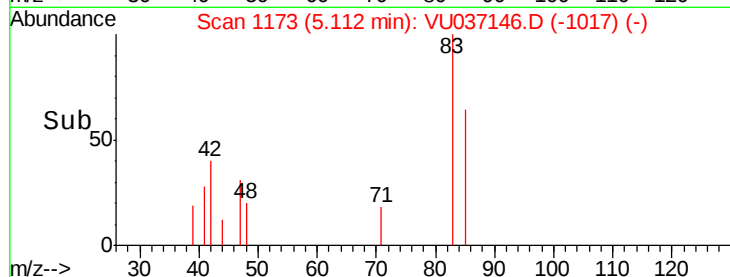
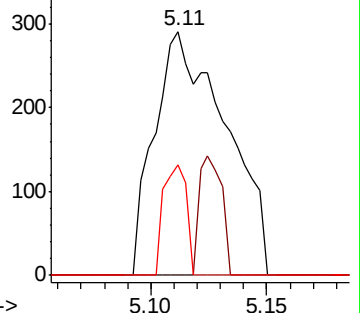
71 14.2 37.3 55.9#



Abundance Ion 42.00 (41.70 to 42.70): VU037133.D (-1159) (-)

Ion 72.00 (71.70 to 72.70): VU037133.D (-1159) (-)

Ion 71.00 (70.70 to 71.70): VU037133.D (-1159) (-)



#42

1-Chlorobutane

Concen: 0.365 ug/l

RT: 5.49 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VU037146.D

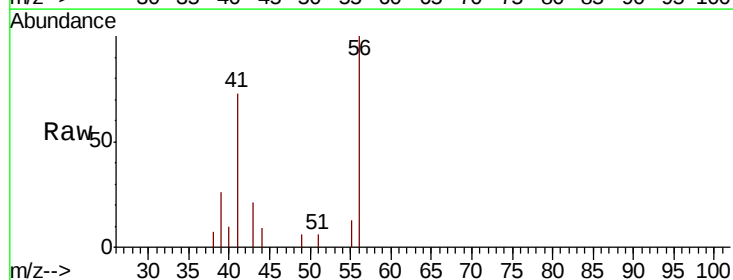
Acq: 10 Mar 2020 11:42

Tgt Ion: 56 Resp: 3071

Ion Ratio Lower Upper

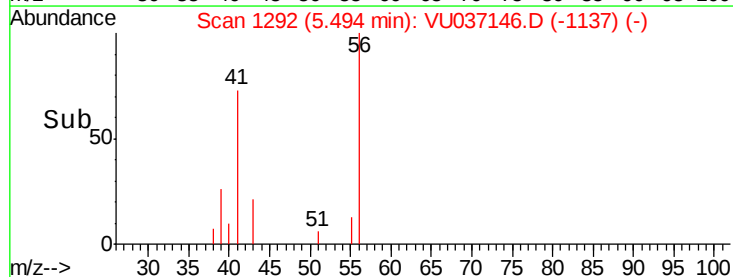
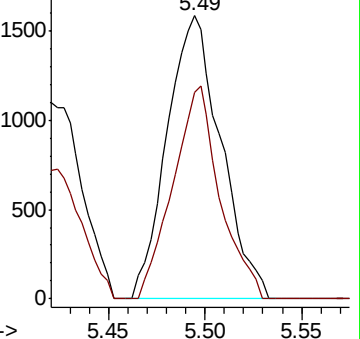
56 100

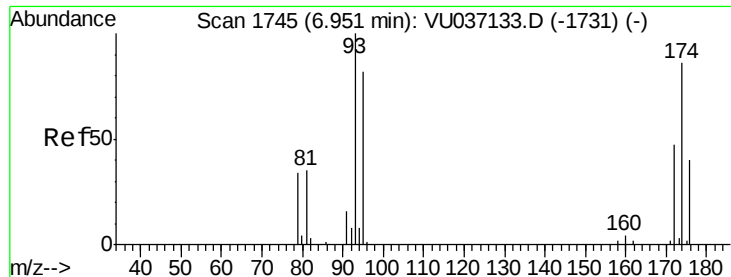
41 65.7 24.8 74.3



Abundance Ion 56.00 (55.70 to 56.70): VU037133.D (-1281) (-)

Ion 41.00 (40.70 to 41.70): VU037133.D (-1281) (-)





#43

Dibromomethane

Concen: 0.391 ug/l

RT: 6.95 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2020

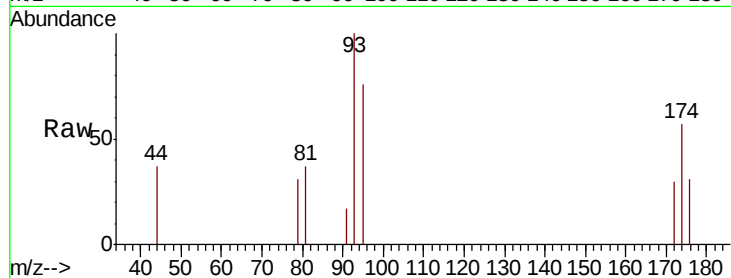
Tot Ion: 93 Resp: 913

Ion Ratio Lower Upper

93 100

95 86.2 67.9 101.9

174 74.9 83.4 125.0#

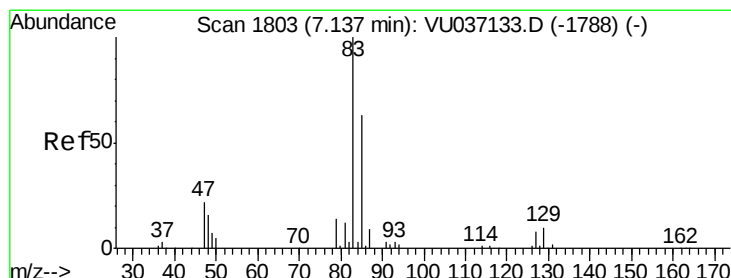
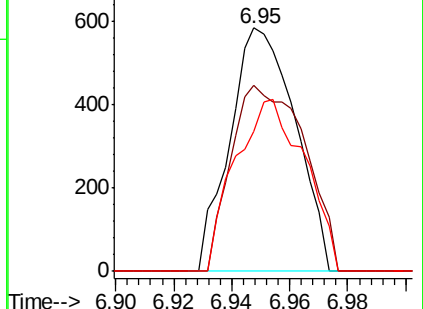
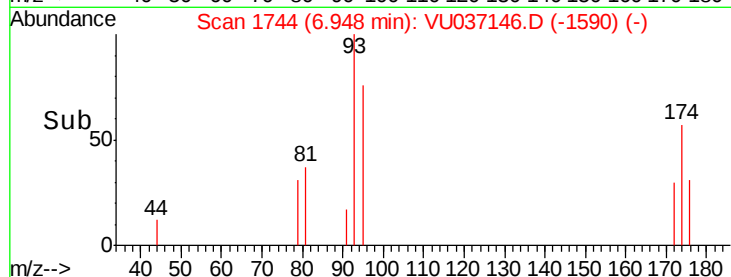


Abundance Ion 93.00 (92.70 to 93.70): VU037133.D (-1731) (-)

Ion 95.00 (94.70 to 95.70): VU037133.D (-1731) (-)

Ion 174.00 (173.70 to 174.70): VU037133.D (-1731) (-)

Time-->



#44

Bromodichloromethane

Concen: 0.365 ug/l

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

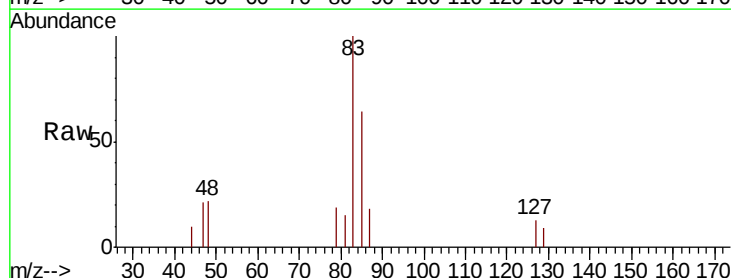
Tgt Ion: 83 Resp: 2217

Ion Ratio Lower Upper

83 100

85 64.2 51.8 77.6

127 13.1 6.8 10.2#

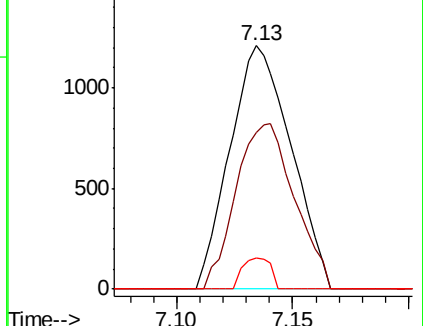
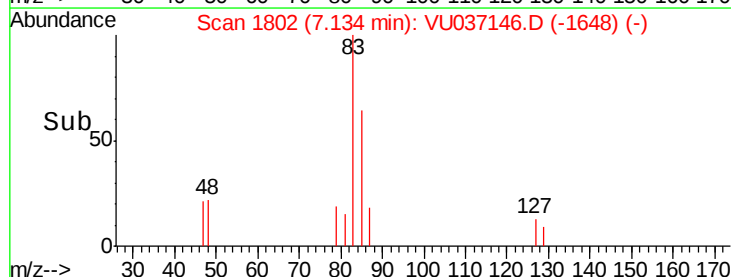


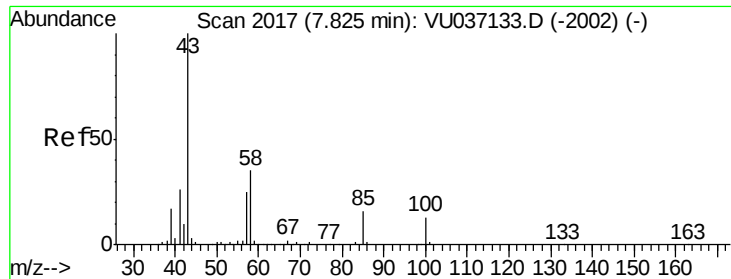
Abundance Ion 83.00 (82.70 to 83.70): VU037133.D (-1788) (-)

Ion 85.00 (84.70 to 85.70): VU037133.D (-1788) (-)

Ion 127.00 (126.70 to 127.70): VU037133.D (-1788) (-)

Time-->

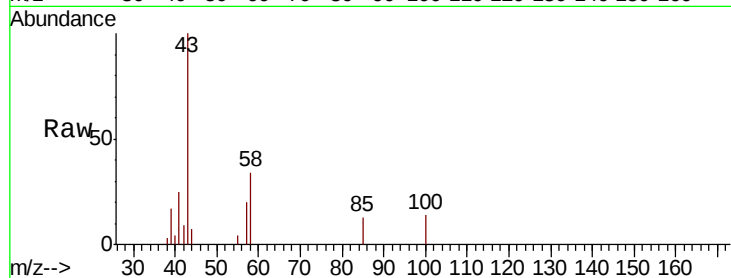




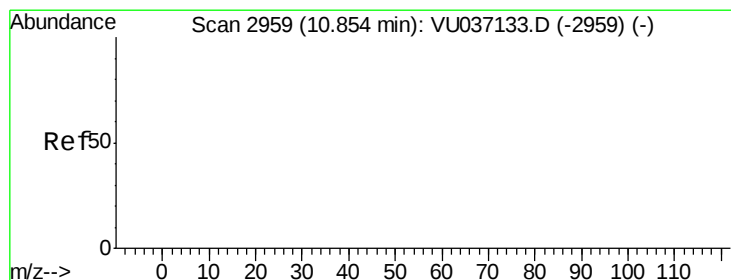
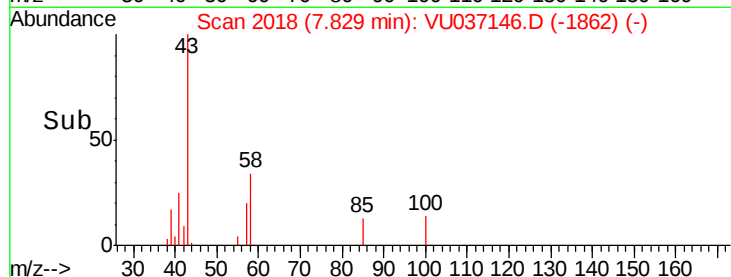
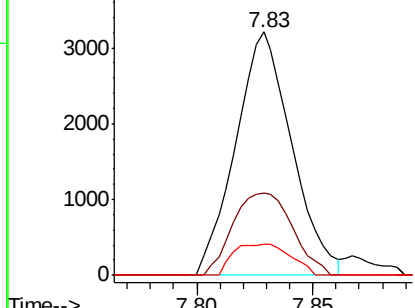
#45
4-Methyl-2-Pentanone
Concen: 1.726 ug/l
RT: 7.83 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2020

Tot Ion: 43 Resp: 5404
Ion Ratio Lower Upper
43 100
58 35.7 22.1 66.1
85 13.1 17.4 26.0#

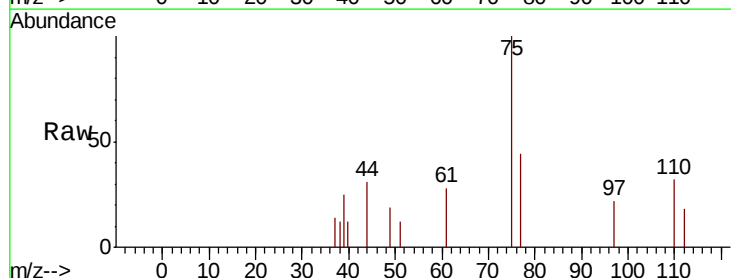


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

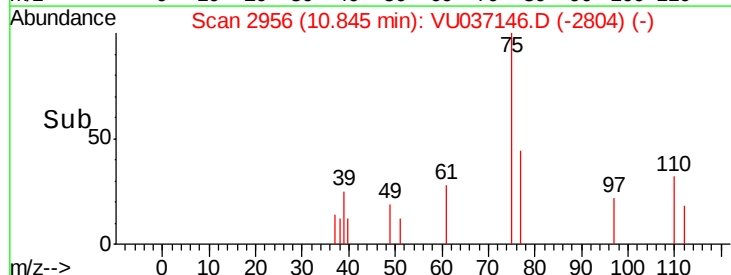
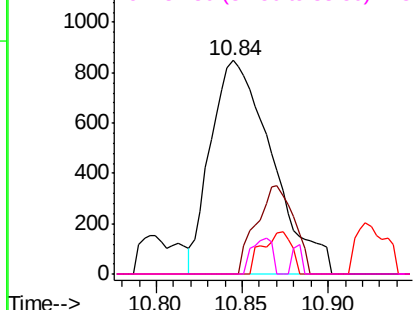


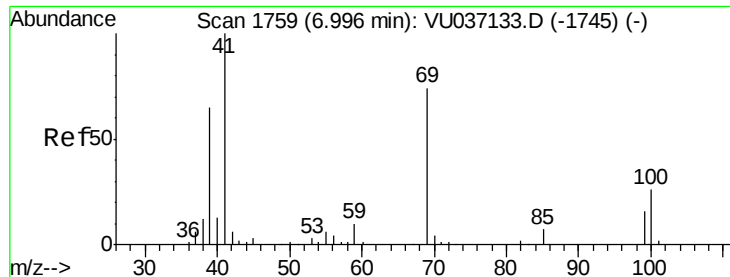
#46
t-1,4-Dichloro-2-butene
Concen: 2.467 ug/l
RT: 10.84 min Scan# 2956
Delta R.T. -0.01 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Tgt Ion: 75 Resp: 2114
Ion Ratio Lower Upper
75 100
53 25.0 52.2 78.2#
89 9.4 39.8 59.6#
88 5.6 27.4 41.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0

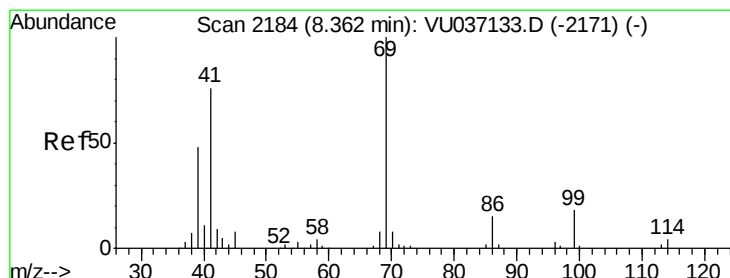
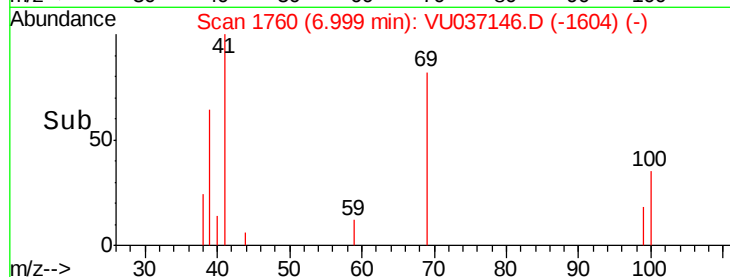
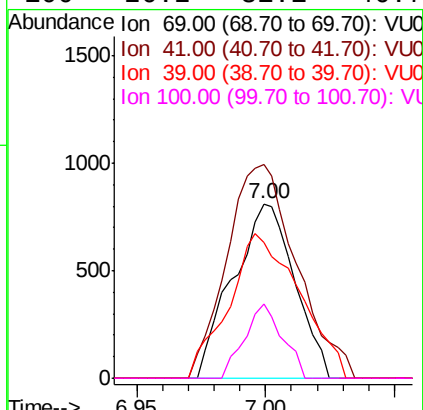
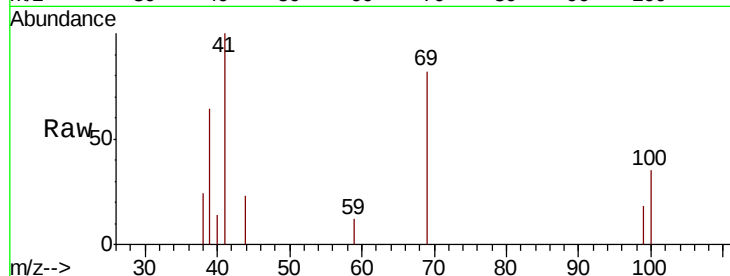




#47
Methvl methacrylate
Concen: 0.700 ug/l
RT: 7.00 min Scan# 1760
Delta R.T. 0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

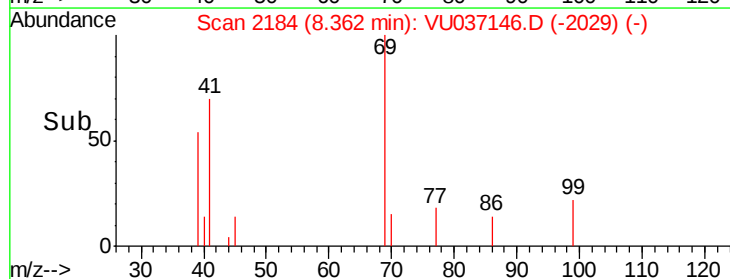
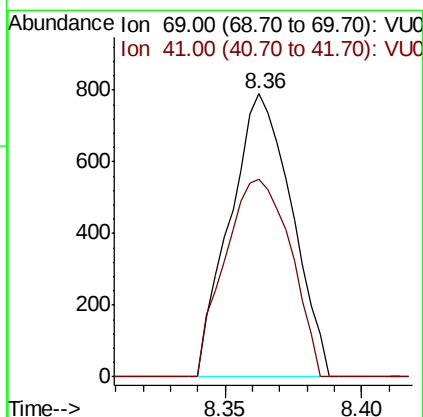
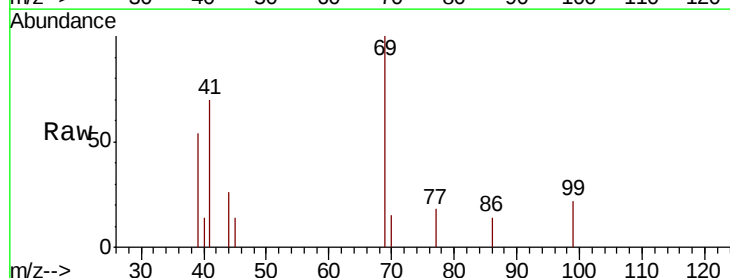
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2020

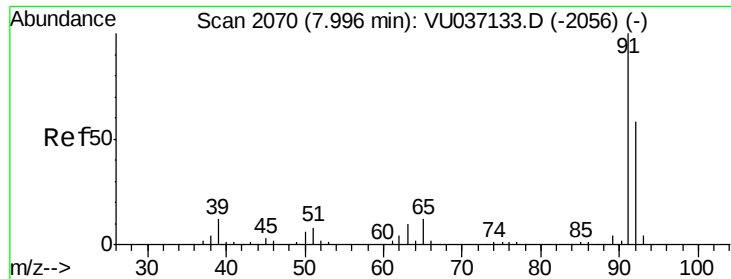
Tot Ion: 69 Resp: 1350
Ion Ratio Lower Upper
69 100
41 138.8 0.0 200.8
39 95.3 43.5 65.3#
100 26.2 31.1 46.7#



#48
Ethyl methacrylate
Concen: 0.325 ug/l
RT: 8.36 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Tgt Ion: 69 Resp: 1237
Ion Ratio Lower Upper
69 100
41 74.7 27.9 83.6





#49

Toluene

Concen: 0.341 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

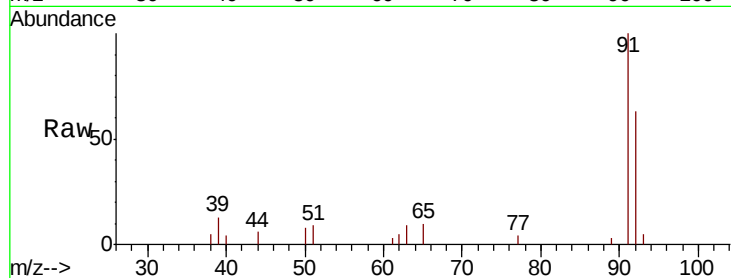
MDL-WATER-03-QT1-2020

Tot Ion: 92 Resp: 3419

Ion Ratio Lower Upper

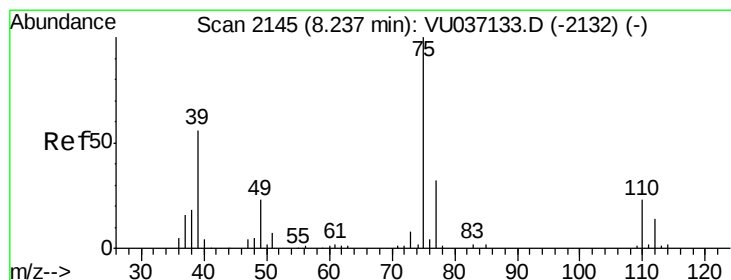
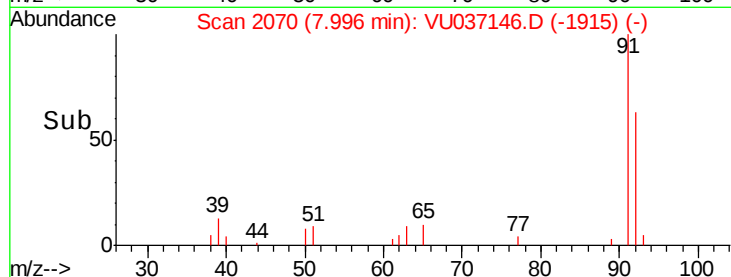
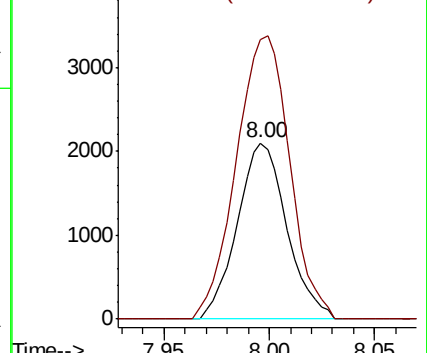
92 100

91 173.6 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 0.334 ug/l

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU037146.D

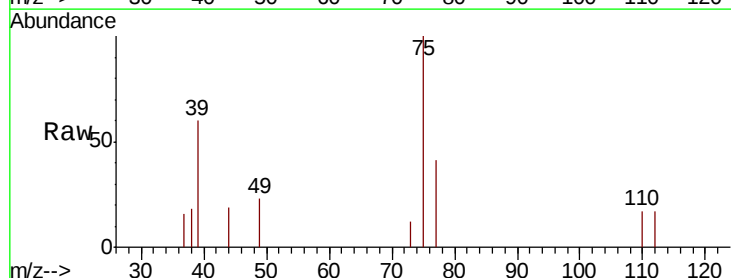
Acq: 10 Mar 2020 11:42

Tgt Ion: 75 Resp: 1829

Ion Ratio Lower Upper

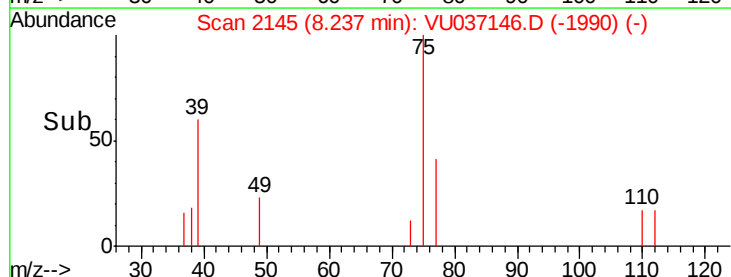
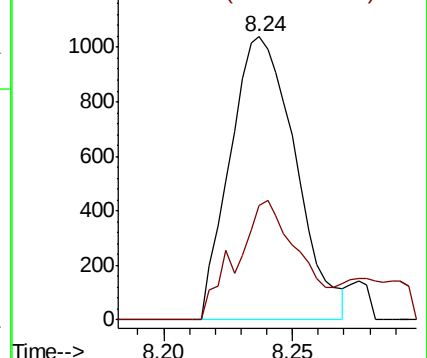
75 100

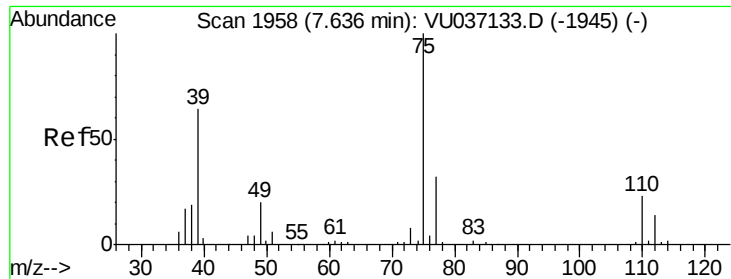
77 40.7 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



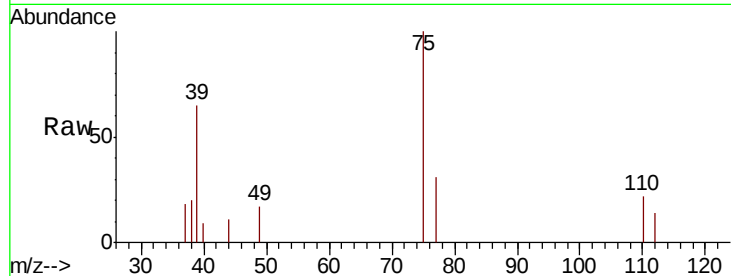


#51

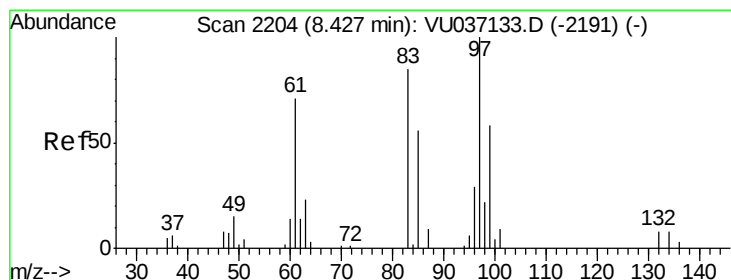
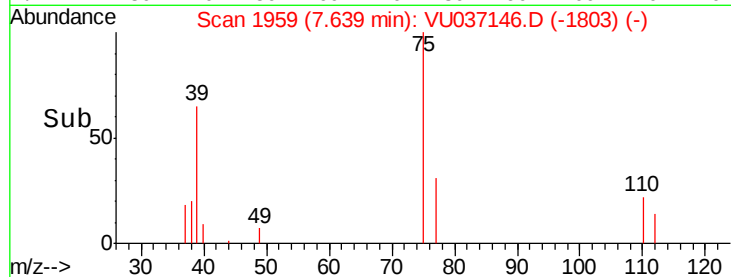
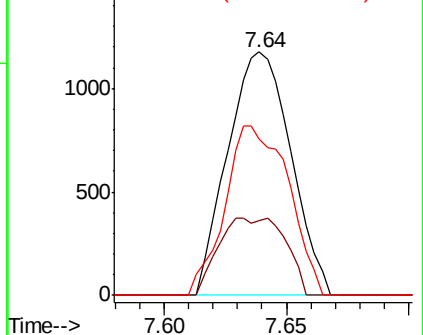
cis-1,3-Dichloropropene
Concen: 0.338 ug/l
RT: 7.64 min Scan# 1959
Delta R.T. 0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2020

Tot Ion: 75 Resp: 2113
Ion Ratio Lower Upper
75 100
77 30.6 25.3 37.9
39 64.6 31.8 47.6#



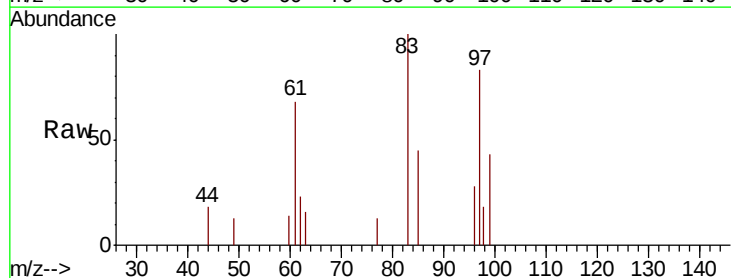
Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 39.00 (38.70 to 39.70): VU0



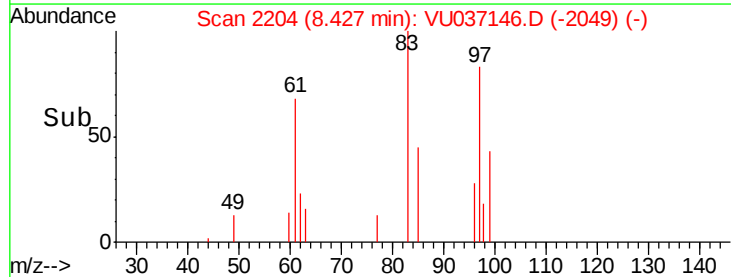
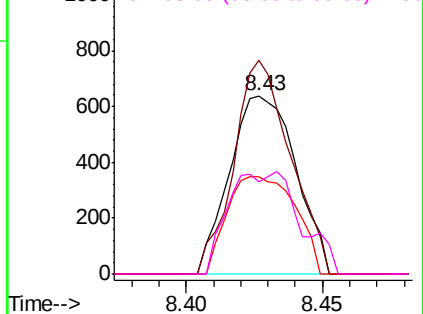
#52

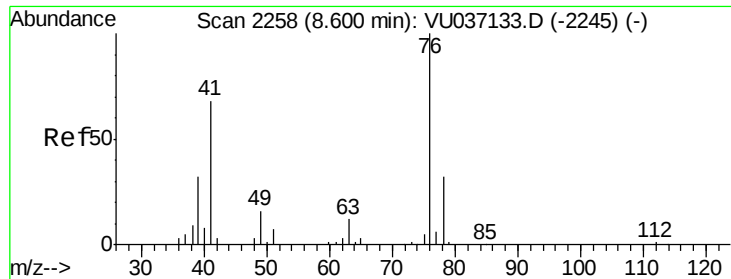
1,1,2-Trichloroethane
Concen: 0.346 ug/l
RT: 8.43 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Tgt Ion: 97 Resp: 1076
Ion Ratio Lower Upper
97 100
83 119.9 70.9 106.3#
85 54.4 45.6 68.4
99 52.0 51.0 76.4



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





#53

1,3-Dichloropropane

Concen: 0.338 ug/l

RT: 8.60 min Scan# 2259

Delta R.T. 0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

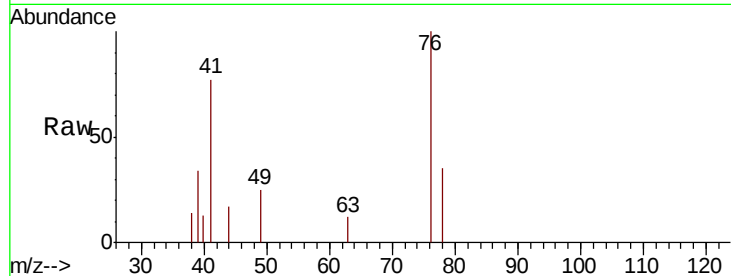
MDL-WATER-03-QT1-2020

Tot Ion: 76 Resp: 1866

Ion Ratio Lower Upper

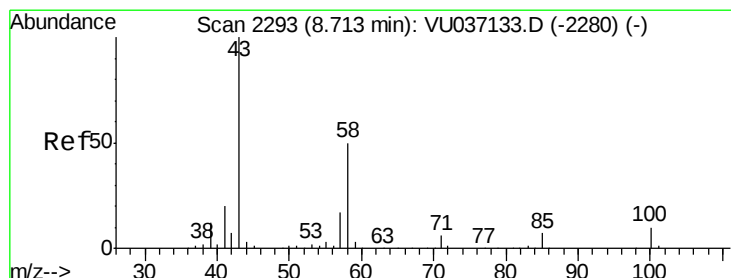
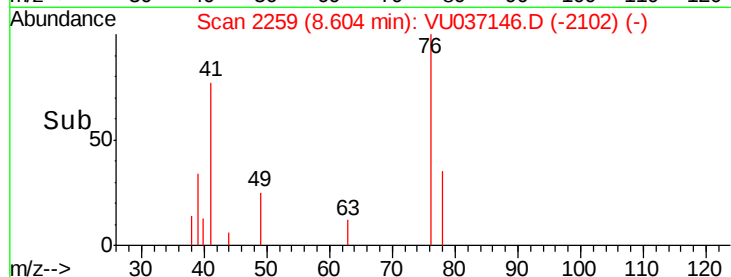
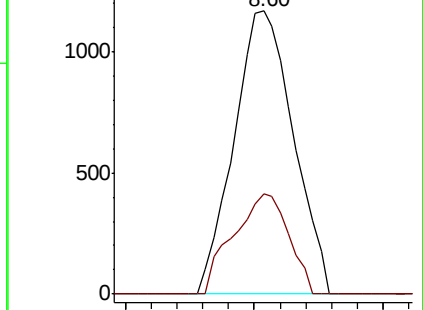
76 100

78 33.1 25.4 38.2



Abundance Ion 76.00 (75.70 to 76.70): VU037133.D (-2245) (-)

Ion 78.00 (77.70 to 78.70): VU037133.D (-2245) (-)



#54

2-Hexanone

Concen: 1.637 ug/l

RT: 8.72 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

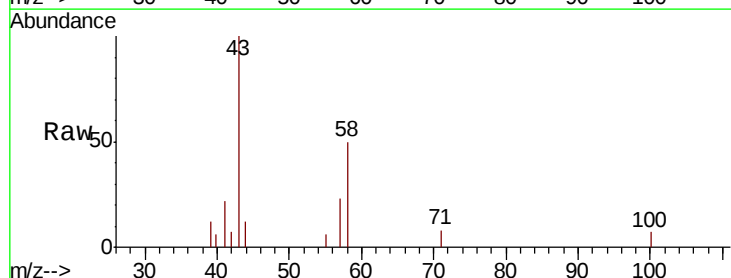
Tgt Ion: 43 Resp: 3529

Ion Ratio Lower Upper

43 100

58 49.5 40.6 80.6

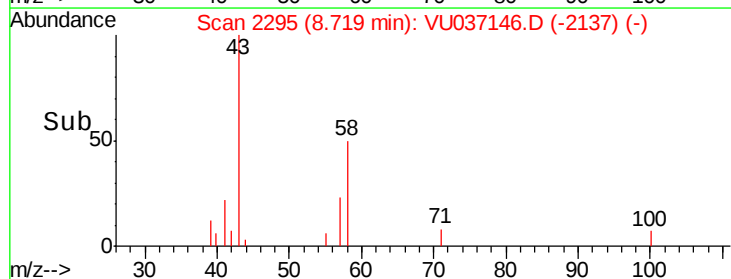
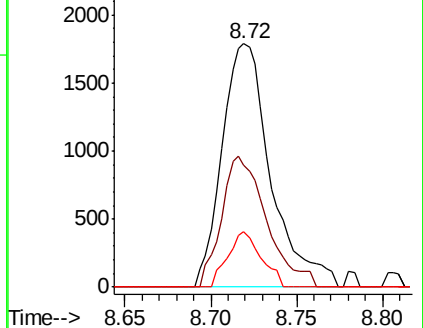
57 15.6 1.2 41.2

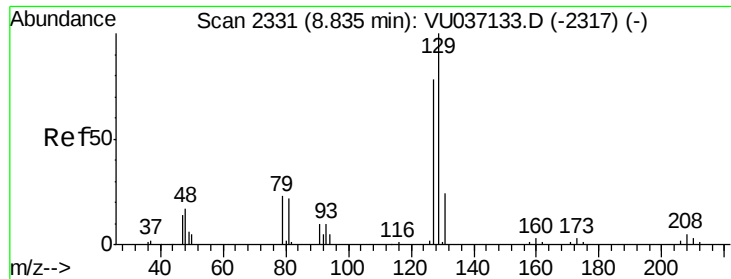


Abundance Ion 43.00 (42.70 to 43.70): VU037133.D (-2280) (-)

Ion 58.00 (57.70 to 58.70): VU037133.D (-2280) (-)

Ion 57.00 (56.70 to 57.70): VU037133.D (-2280) (-)

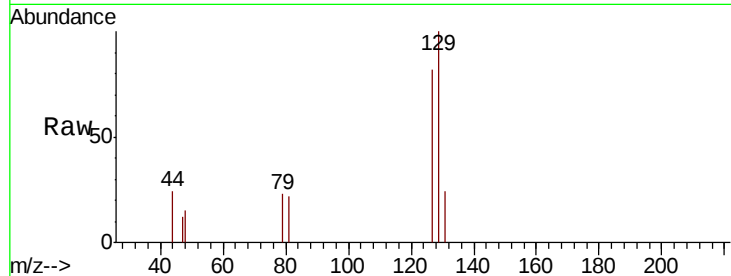




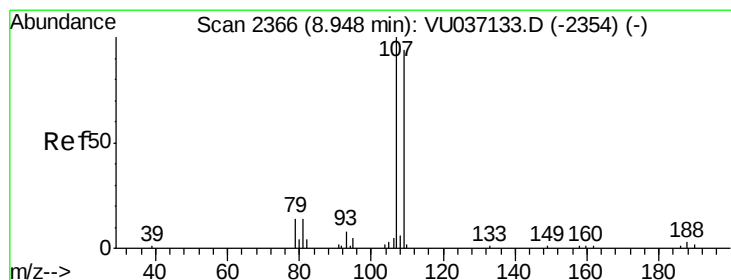
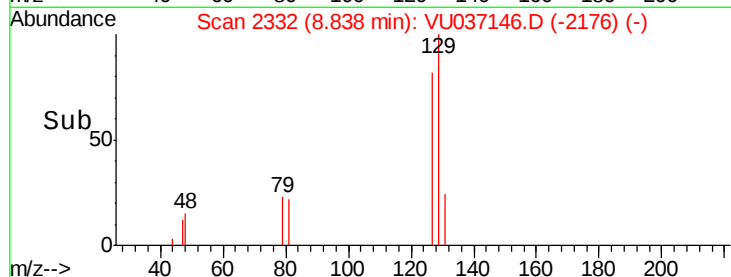
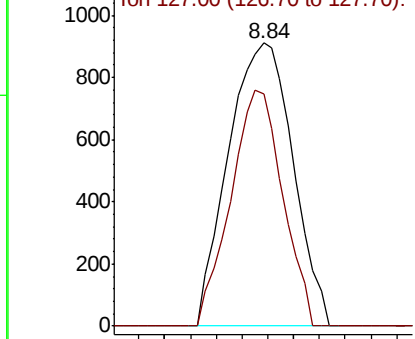
#55
 Dibromochloromethane
 Concen: 0.413 ug/l
 RT: 8.84 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2020

Tot Ion:129 Resp: 1591
 Ion Ratio Lower Upper
 129 100
 127 67.1 62.6 94.0

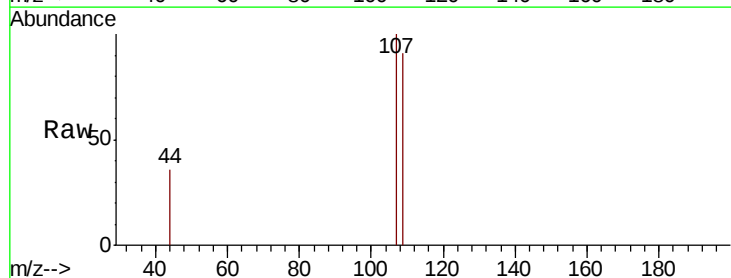


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

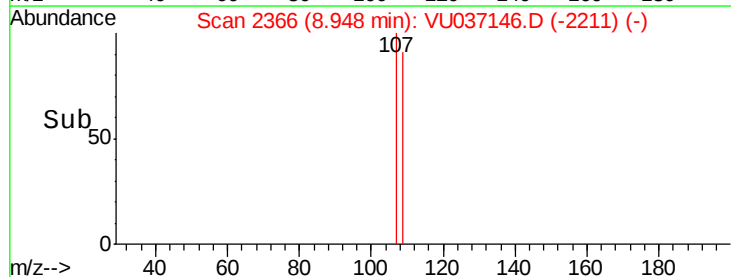
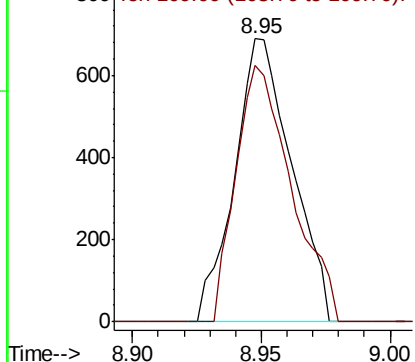


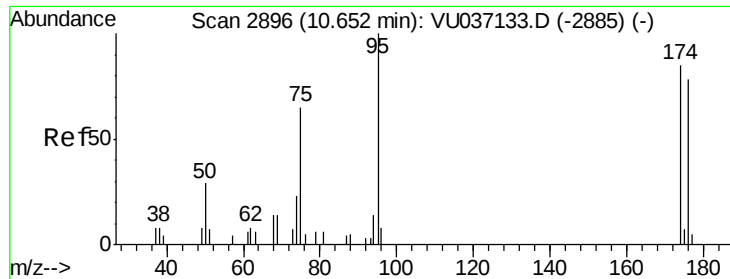
#56
 1,2-Dibromoethane
 Concen: 0.362 ug/l
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

Tgt Ion:107 Resp: 1068
 Ion Ratio Lower Upper
 107 100
 109 88.0 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V

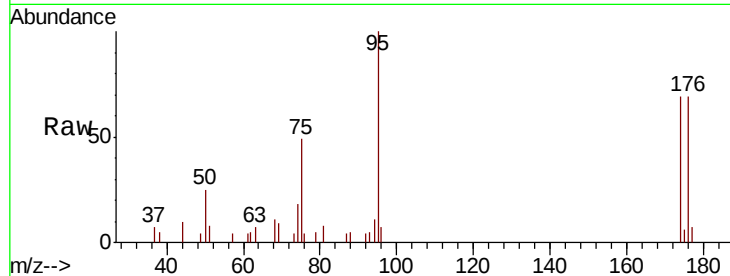




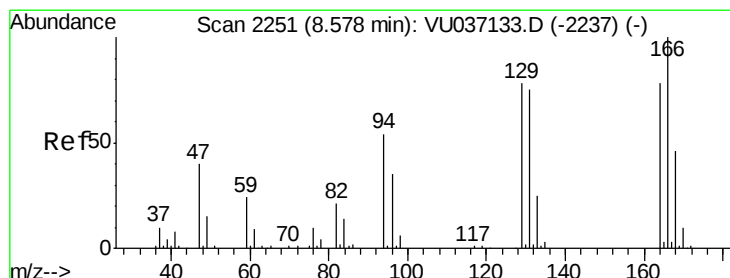
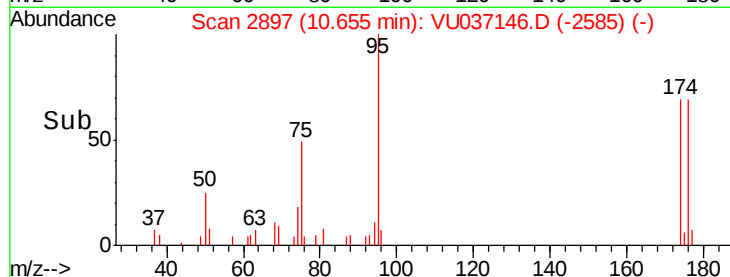
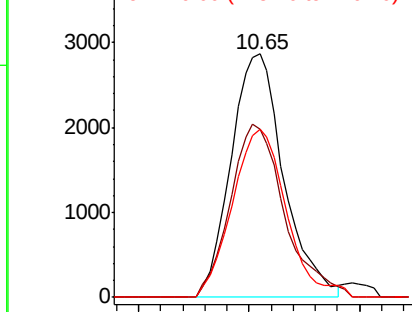
#57
4-Bromofluorobenzene
Concen: 0.893 ug/l
RT: 10.65 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2020

Tot Ion: 95 Resp: 4752
Ion Ratio Lower Upper
95 100
174 73.2 64.7 97.1
176 70.9 60.6 91.0

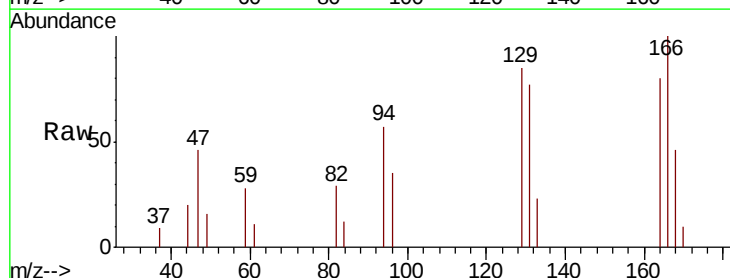


Abundance Ion 95.00 (94.70 to 95.70): VU037133.D (-2885) (-)
Ion 174.00 (173.70 to 174.70): VU037133.D (-2885) (-)
Ion 176.00 (175.70 to 176.70): VU037133.D (-2885) (-)

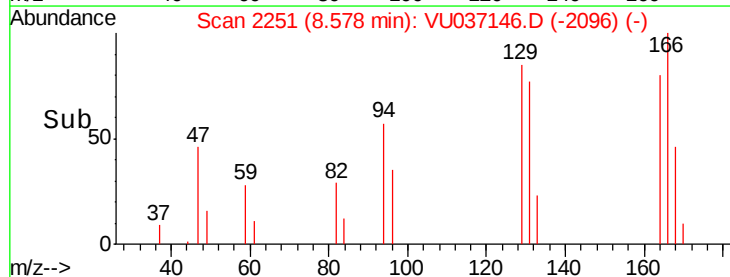
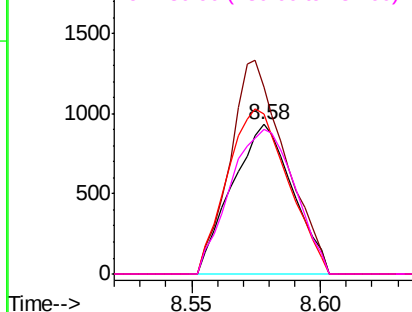


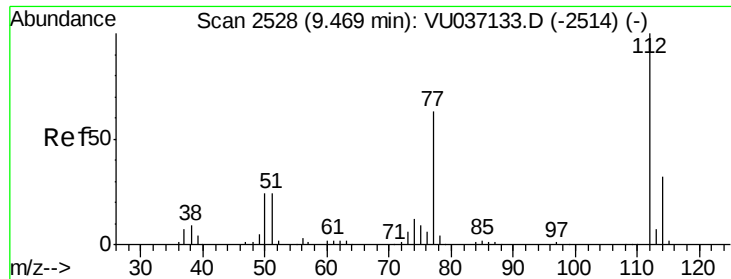
#58
Tetrachloroethene
Concen: 0.374 ug/l
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Tgt Ion: 164 Resp: 1530
Ion Ratio Lower Upper
164 100
166 125.1 102.0 153.0
129 106.9 74.9 112.3
131 96.7 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): VU037133.D (-2237) (-)
Ion 165.80 (165.50 to 166.50): VU037133.D (-2237) (-)
Ion 128.90 (128.60 to 129.60): VU037133.D (-2237) (-)
Ion 130.90 (130.60 to 131.60): VU037133.D (-2237) (-)

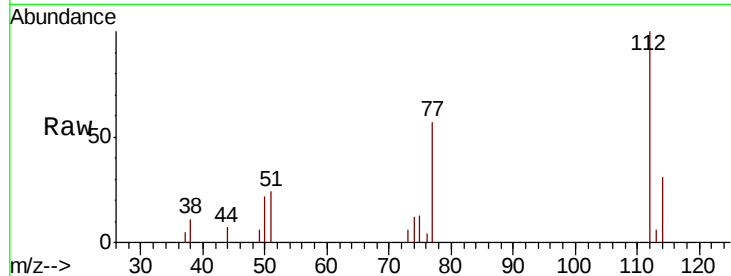




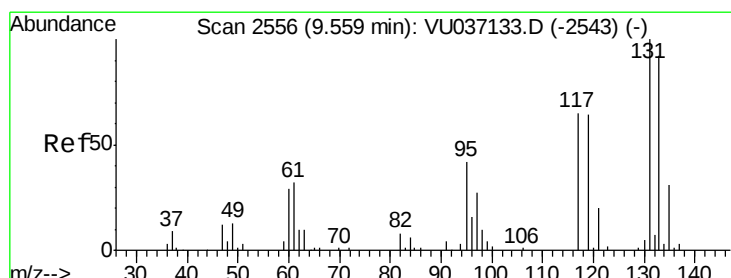
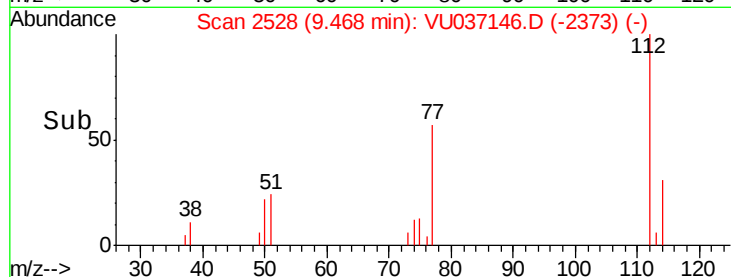
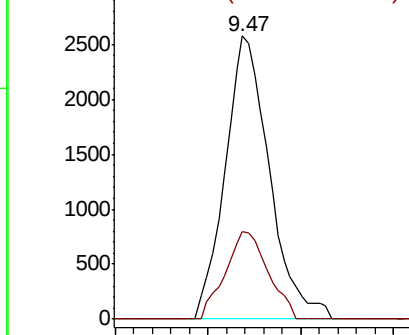
#59
Chlorobenzene
Concen: 0.382 ug/l
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2020

Tot Ion:112 Resp: 4268
Ion Ratio Lower Upper
112 100
114 30.7 25.8 38.8

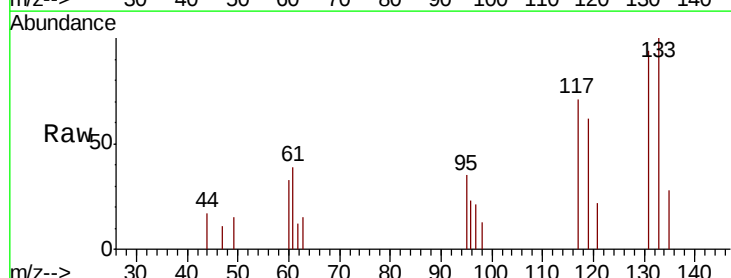


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V

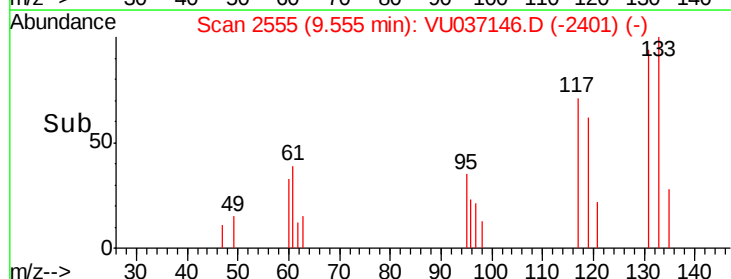
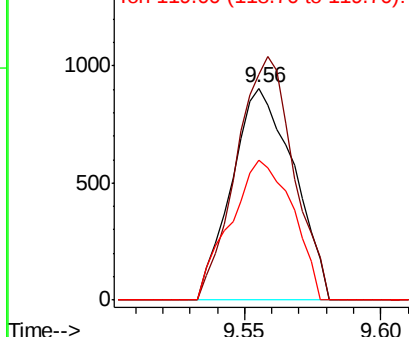


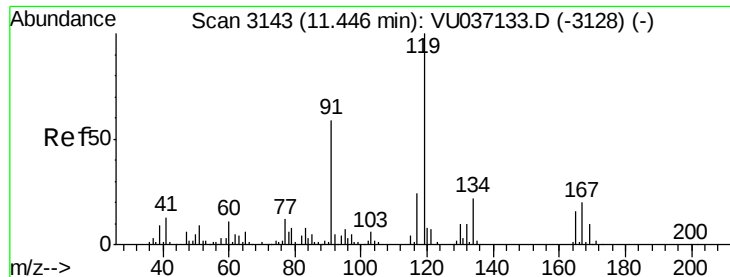
#60
1,1,1,2-Tetrachloroethane
Concen: 0.349 ug/l
RT: 9.56 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Tgt Ion:131 Resp: 1429
Ion Ratio Lower Upper
131 100
133 105.7 76.4 114.6
119 66.3 56.6 85.0



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

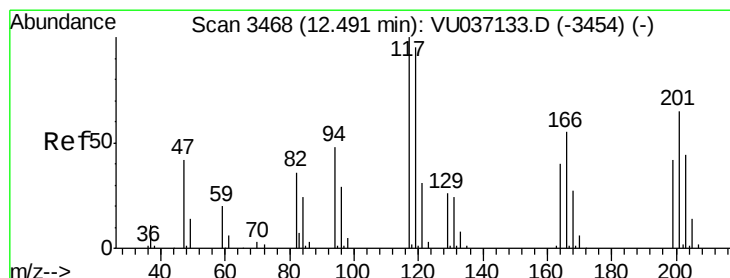
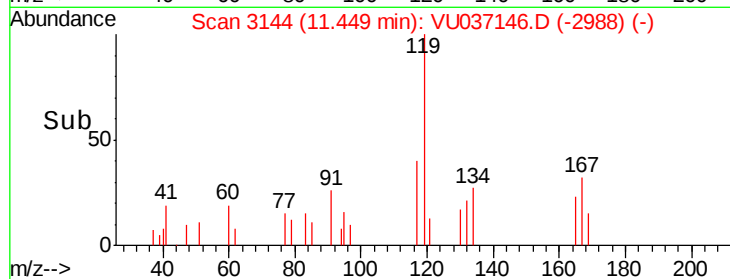
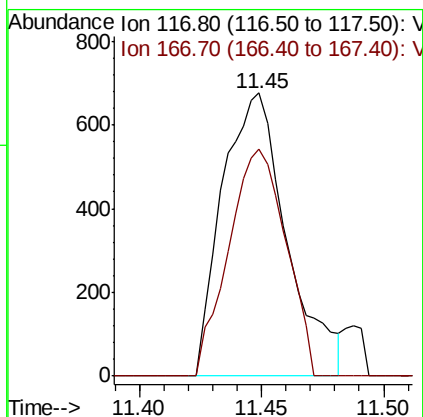
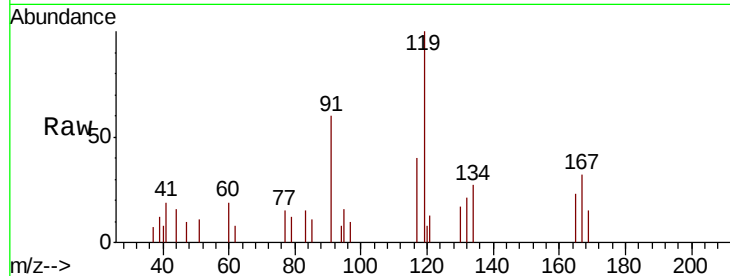




#61
 Pentachloroethane
 Concen: 0.398 ug/l
 RT: 11.45 min Scan# 3144
 Delta R.T. 0.00 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

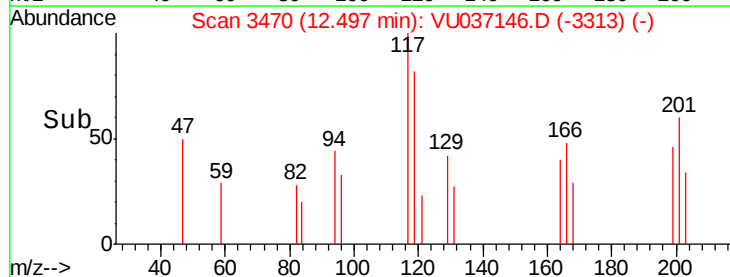
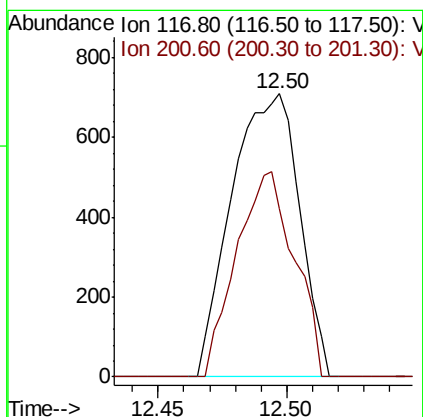
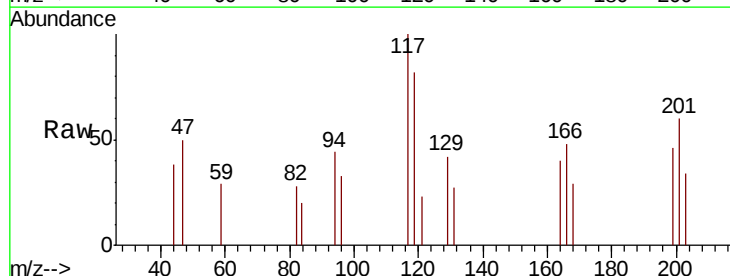
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2020

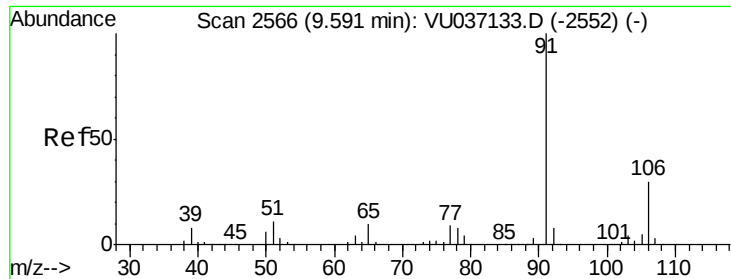
Tot Ion:117 Resp: 1244
 Ion Ratio Lower Upper
 117 100
 167 71.1 66.7 100.1



#62
 Hexachloroethane
 Concen: 0.389 ug/l
 RT: 12.50 min Scan# 3470
 Delta R.T. 0.01 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

Tgt Ion:117 Resp: 1299
 Ion Ratio Lower Upper
 117 100
 201 62.0 65.0 97.4#

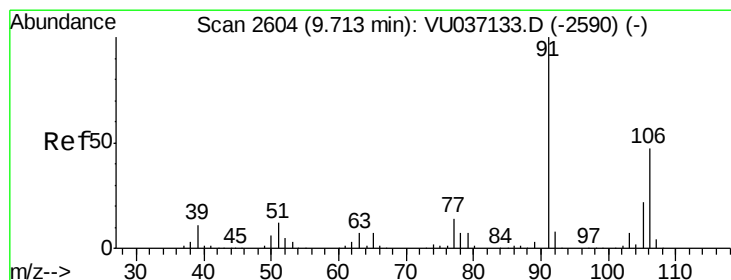
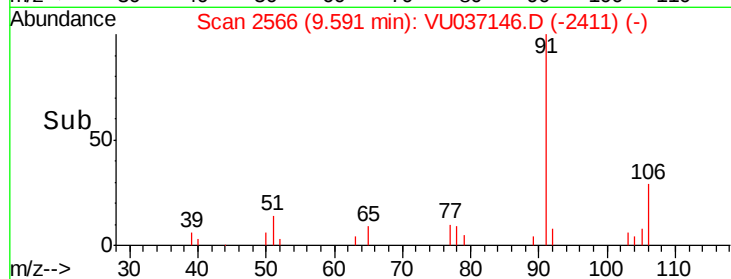
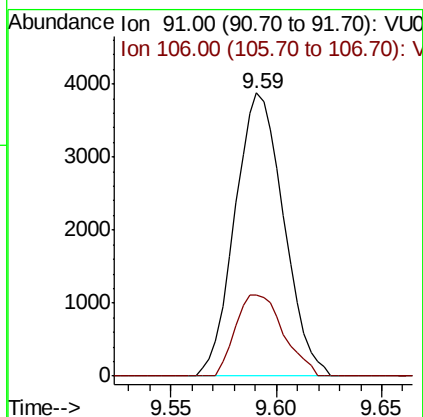
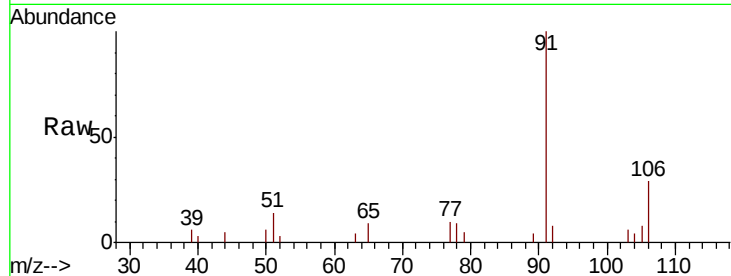




#63
Ethyl Benzene
Concen: 0.326 ug/l
RT: 9.59 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

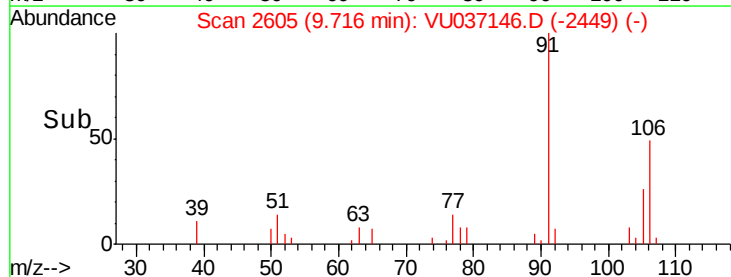
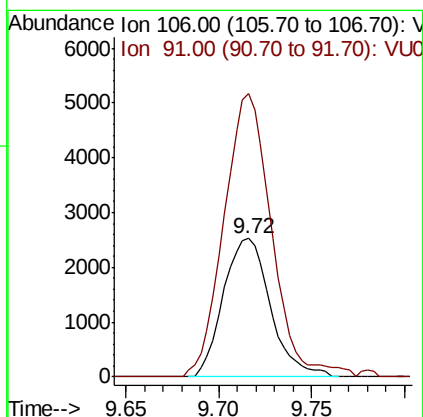
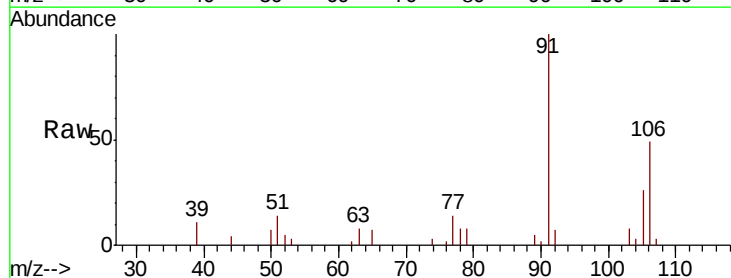
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2020

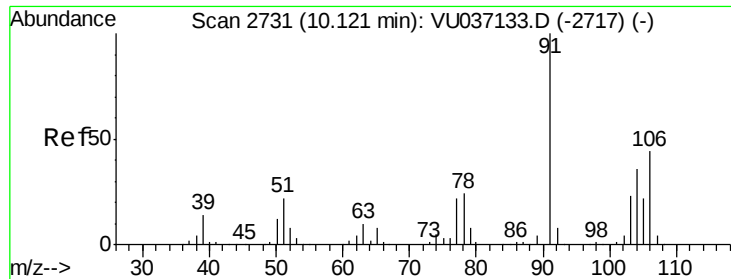
Tot Ion: 91 Resp: 6226
Ion Ratio Lower Upper
91 100
106 28.9 26.0 39.0



#64
m/p-Xylenes
Concen: 0.618 ug/l
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Tgt Ion: 106 Resp: 4464
Ion Ratio Lower Upper
106 100
91 206.7 158.2 237.4

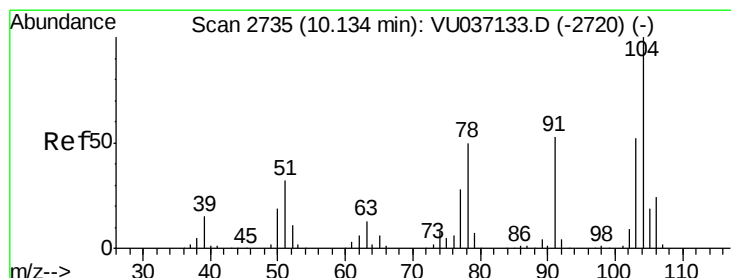
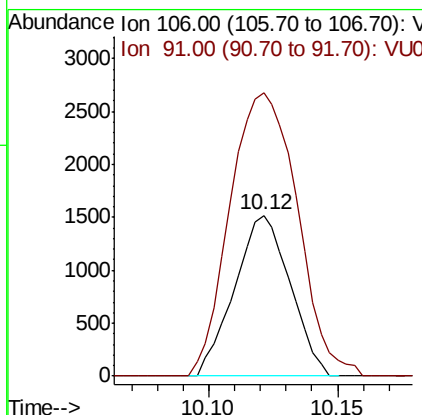
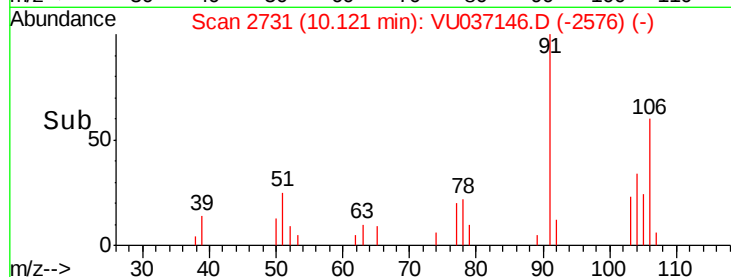
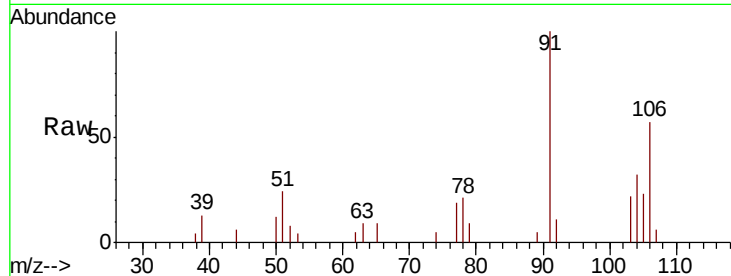




#65
o-Xylene
Concen: 0.327 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

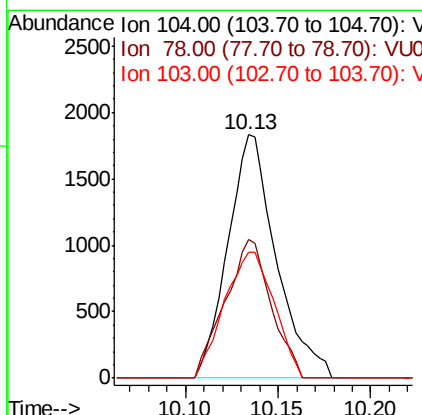
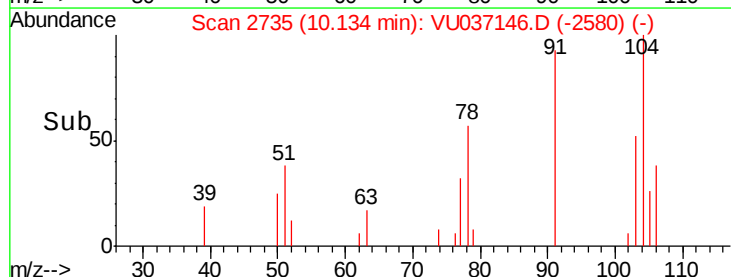
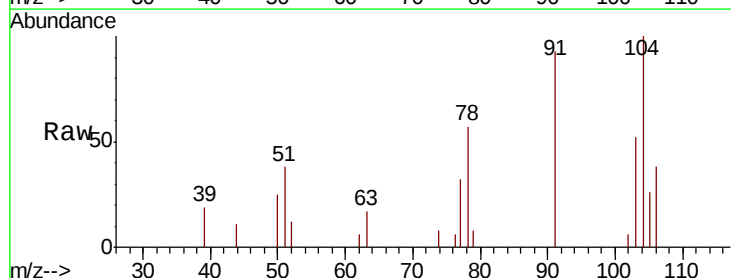
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2020

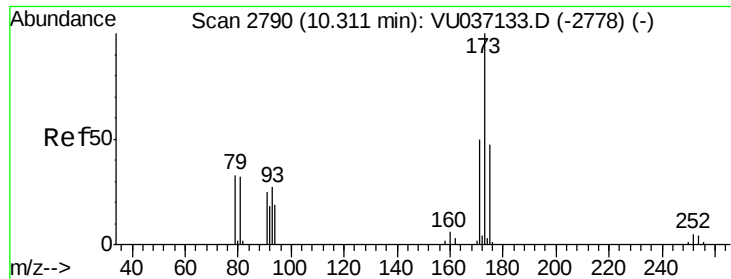
Tot Ion:106 Resp: 2283
Ion Ratio Lower Upper
106 100
91 214.3 104.3 312.9



#66
Styrene
Concen: 0.291 ug/l
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Tgt Ion:104 Resp: 3316
Ion Ratio Lower Upper
104 100
78 54.1 38.6 57.8
103 53.1 44.4 66.6





#67

Bromoform

Concen: 0.305 ug/l

RT: 10.31 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2020

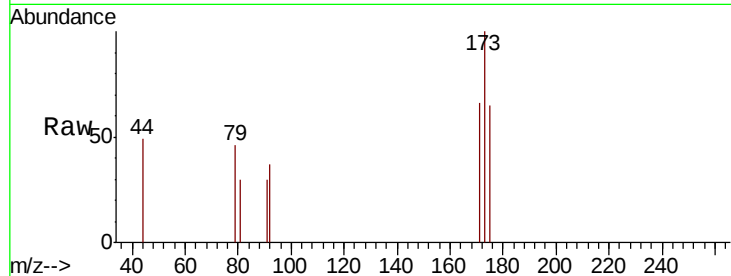
Tot Ion:173 Resp: 621

Ion Ratio Lower Upper

173 100

175 50.9 38.3 57.5

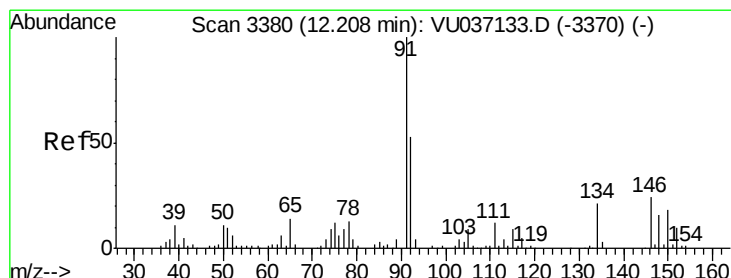
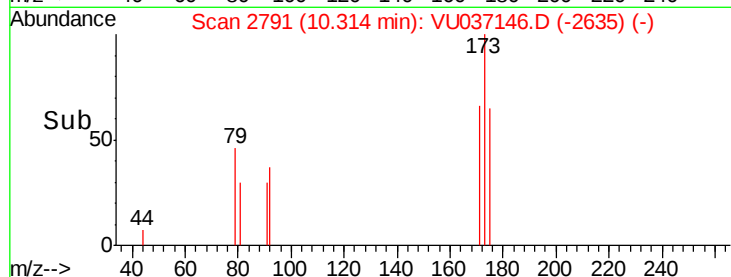
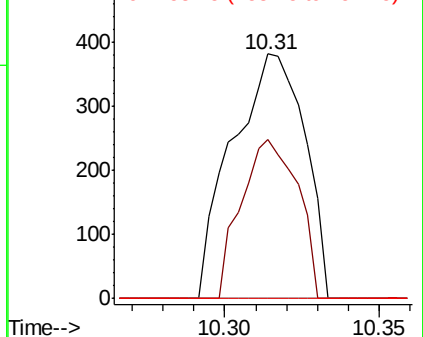
254 0.0 6.6 9.8#



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: 0.882 ug/l

RT: 12.21 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

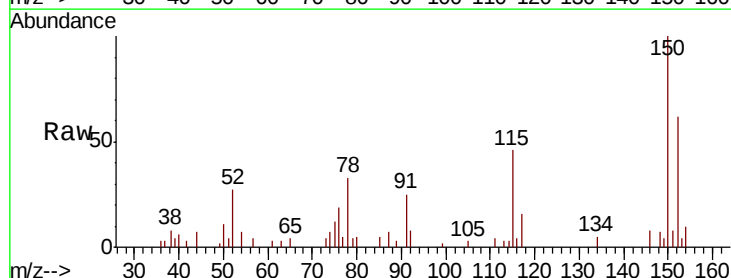
Tgt Ion:152 Resp: 4782

Ion Ratio Lower Upper

152 100

115 72.4 0.0 241.8

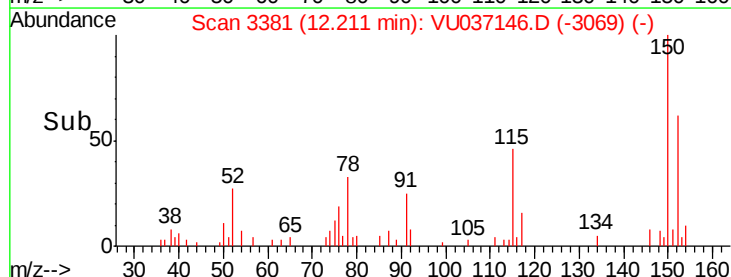
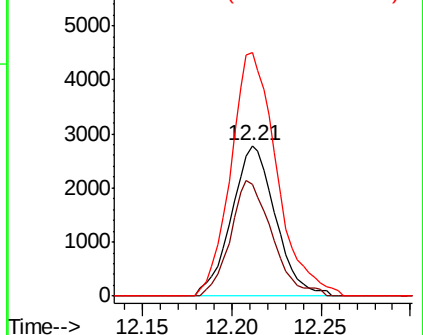
150 169.1 0.0 652.4

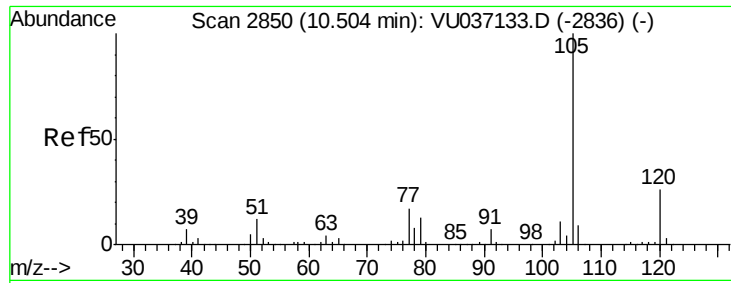


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.324 ug/l

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

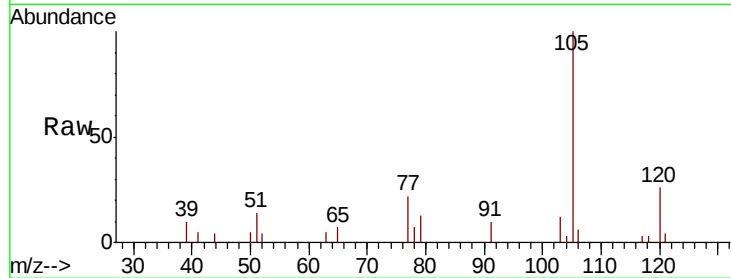
MDL-WATER-03-QT1-2020

Tot Ion:105 Resp: 6167

Ion Ratio Lower Upper

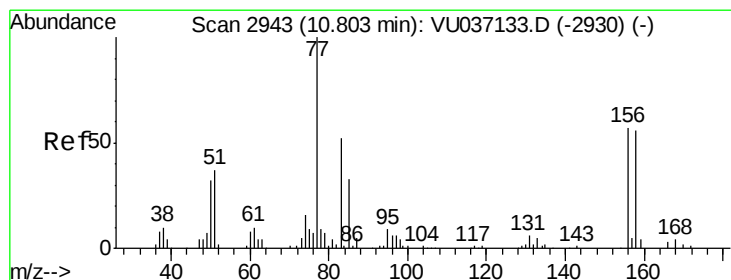
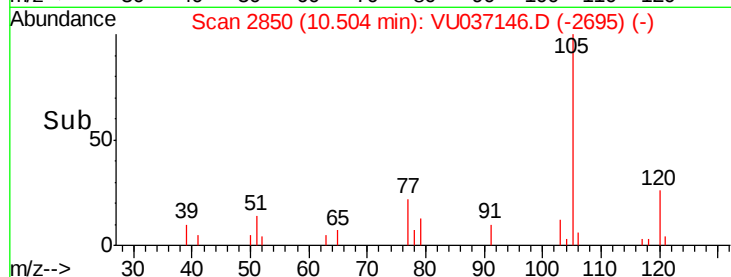
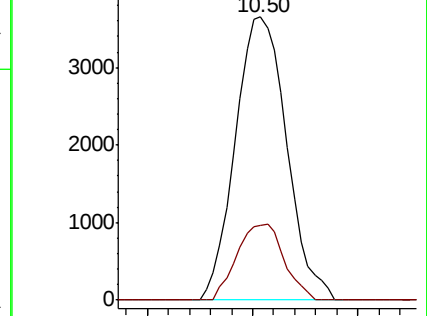
105 100

120 24.5 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 0.358 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

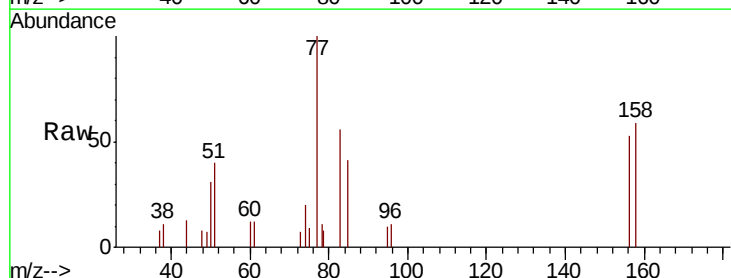
Tgt Ion: 83 Resp: 1467

Ion Ratio Lower Upper

83 100

131 0.0 7.8 11.8#

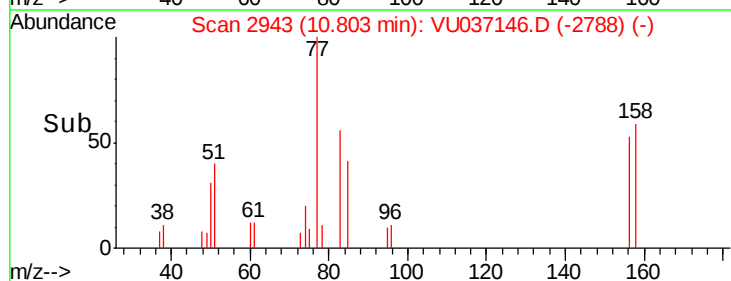
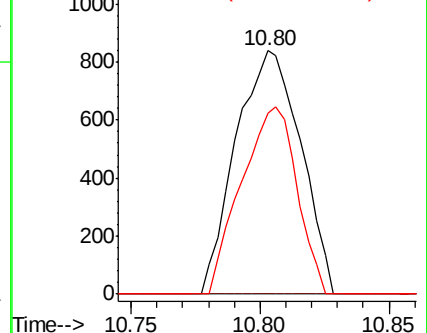
85 66.1 53.2 79.8

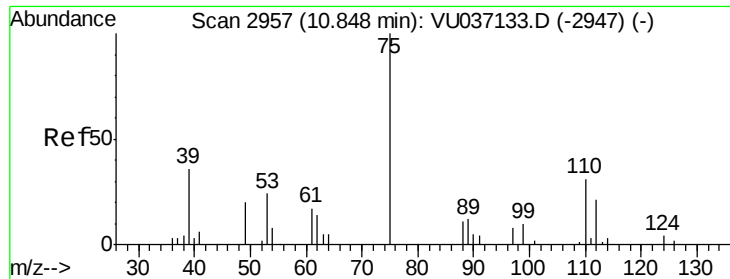


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

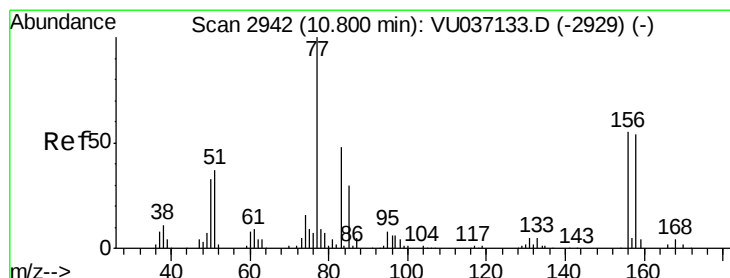
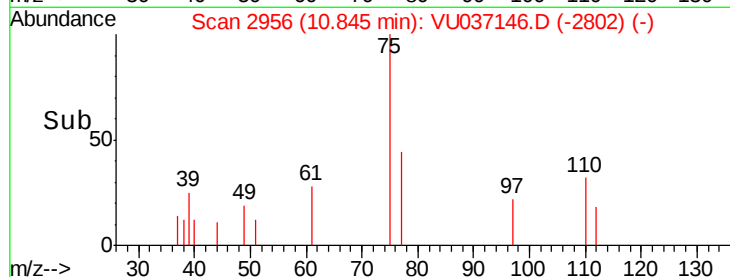
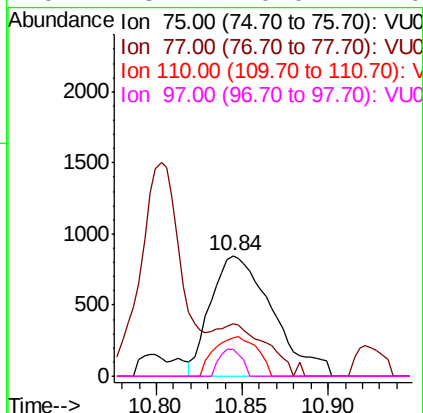
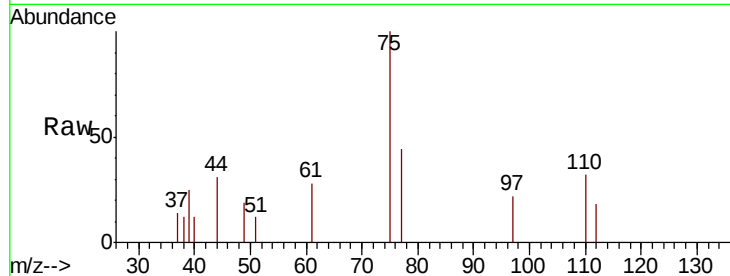




#71
 1,2,3-Trichloropropane
 Concen: 0.631 ug/l
 RT: 10.84 min Scan# 2956
 Delta R.T. -0.00 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

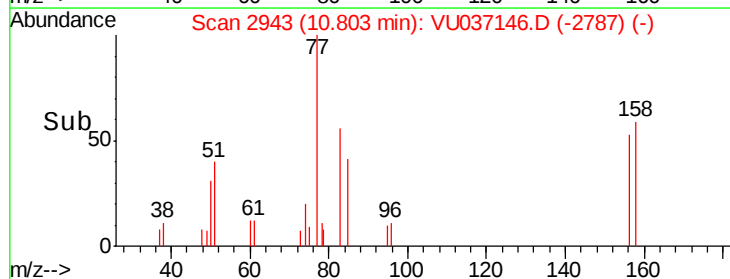
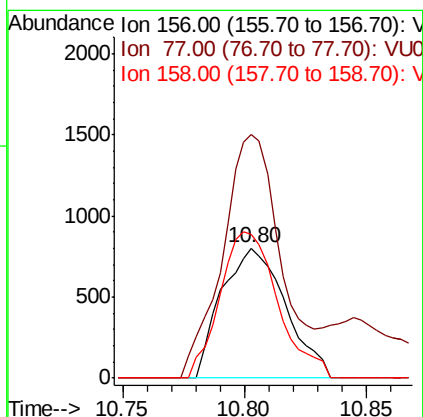
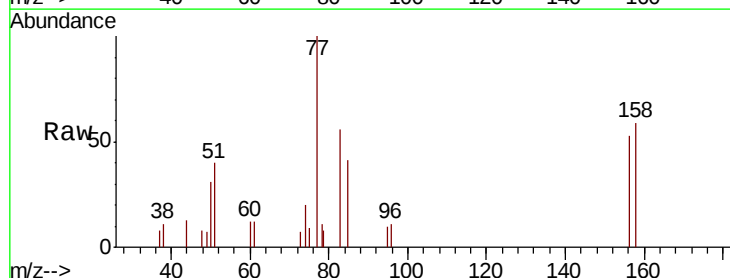
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2020

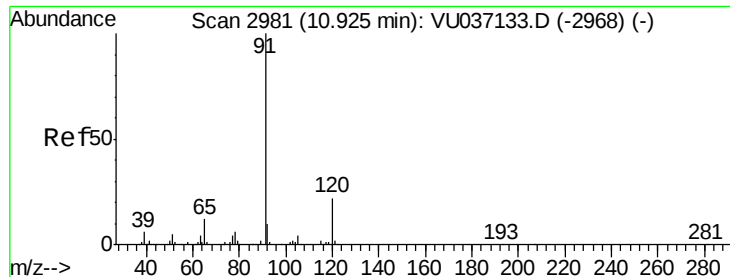
Tot Ion:	75	Resp:	2114
Ion	Ratio	Lower	Upper
75	100		
77	10.9	0.0	129.6
110	22.8	0.0	77.4
97	8.2	0.0	42.0



#72
 Bromobenzene
 Concen: 0.318 ug/l
 RT: 10.80 min Scan# 2943
 Delta R.T. 0.00 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

Tgt Ion:	156	Resp:	1463
Ion	Ratio	Lower	Upper
156	100		
77	169.2	0.0	306.6
158	101.8	0.0	192.0





#73

n-propylbenzene

Concen: 0.301 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. -0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

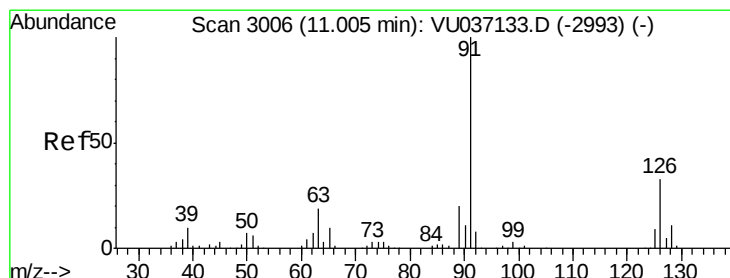
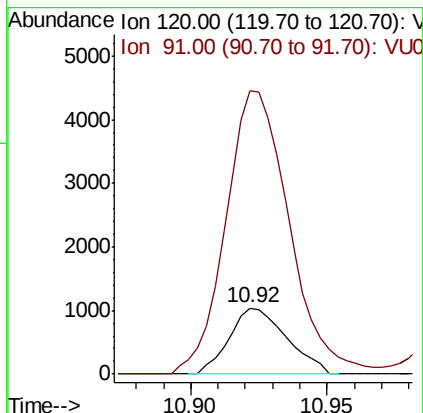
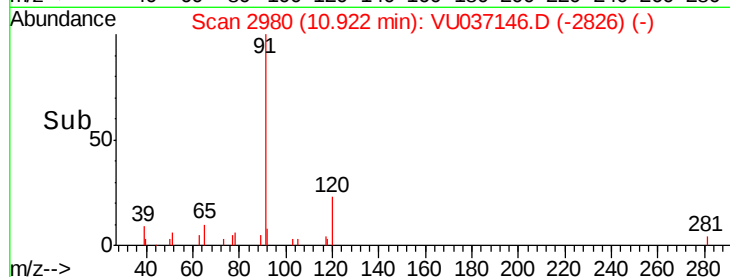
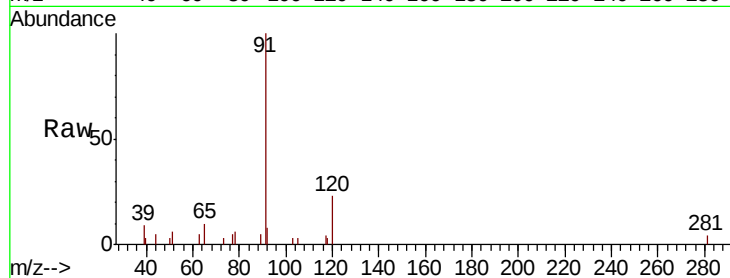
MDL-WATER-03-QT1-2020

Tot Ion:120 Resp: 1518

Ion Ratio Lower Upper

120 100

91 473.8 329.5 494.3



#74

2-Chlorotoluene

Concen: 0.329 ug/l

RT: 11.01 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU037146.D

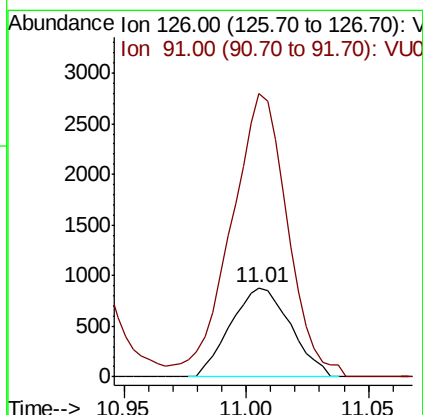
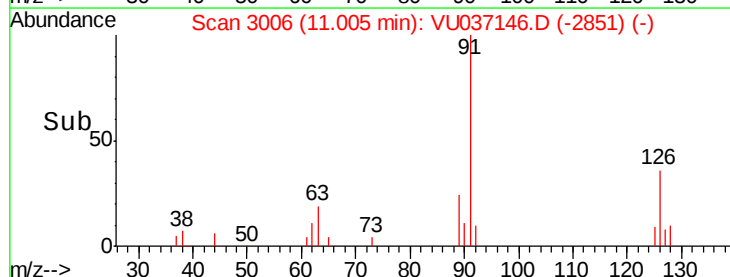
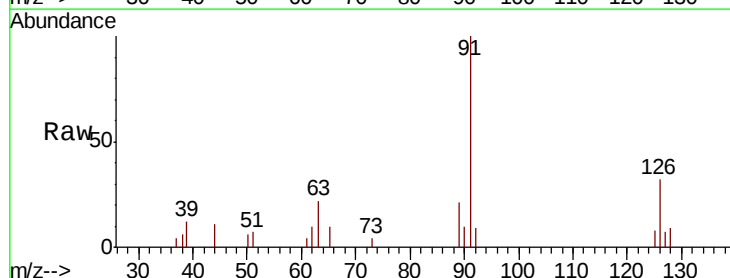
Acq: 10 Mar 2020 11:42

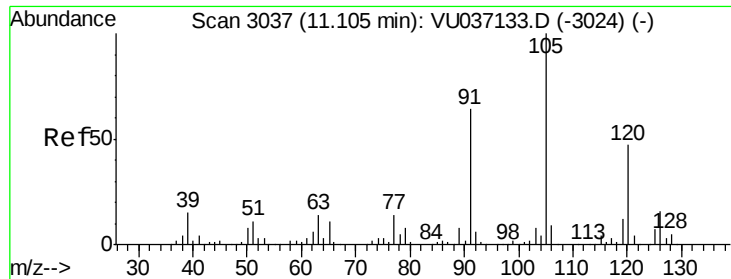
Tgt Ion:126 Resp: 1498

Ion Ratio Lower Upper

126 100

91 299.3 0.0 567.4





#75

1,3,5-Trimethylbenzene

Concen: 0.276 ug/l

RT: 11.11 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

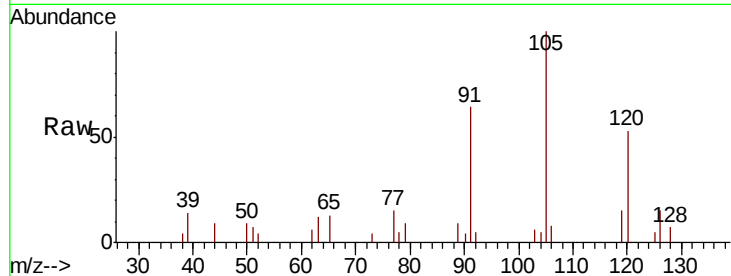
MDL-WATER-03-QT1-2020

Tot Ion:105 Resp: 4546

Ion Ratio Lower Upper

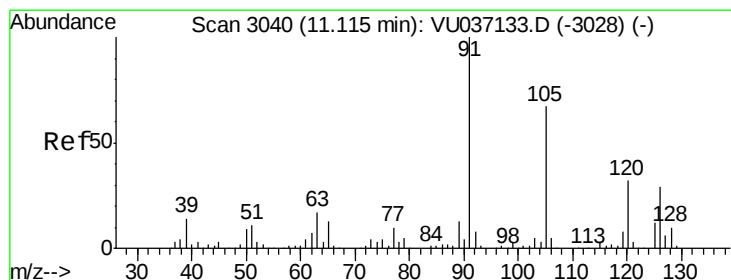
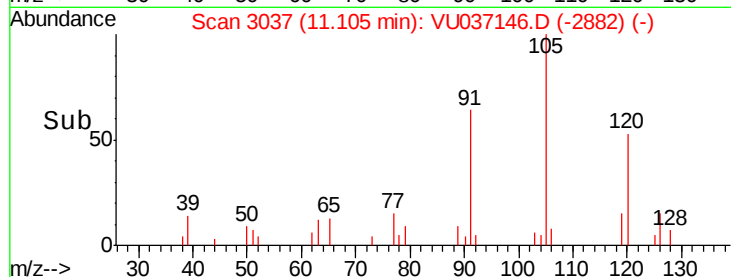
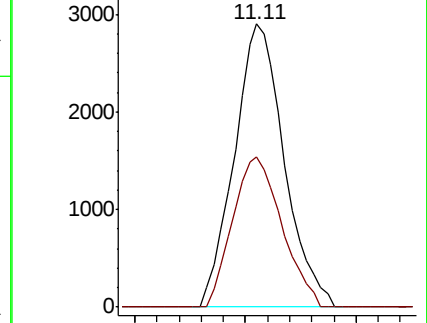
105 100

120 52.4 39.8 59.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.300 ug/l

RT: 11.12 min Scan# 3041

Delta R.T. 0.00 min

Lab File: VU037146.D

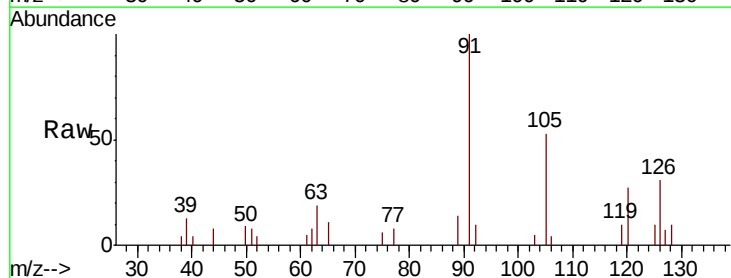
Acq: 10 Mar 2020 11:42

Tgt Ion:126 Resp: 1376

Ion Ratio Lower Upper

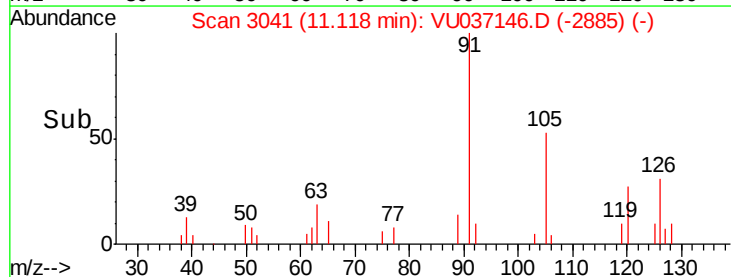
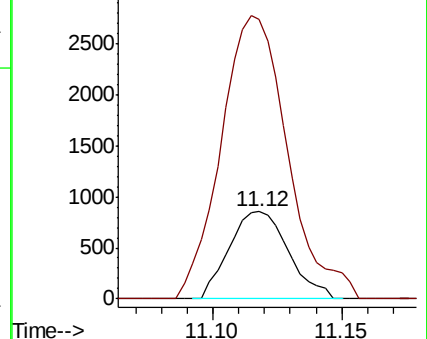
126 100

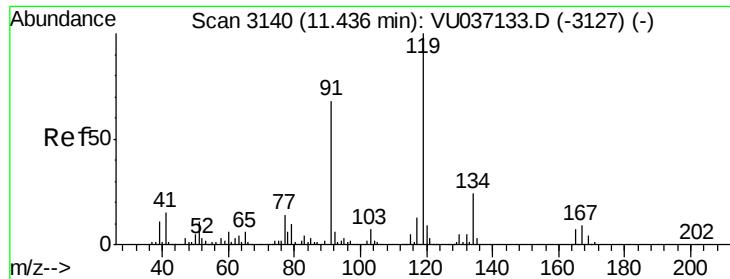
91 362.2 0.0 633.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

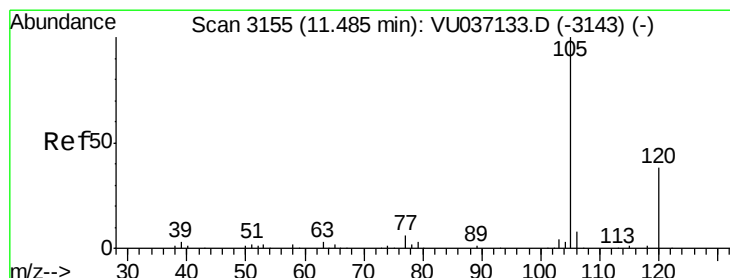
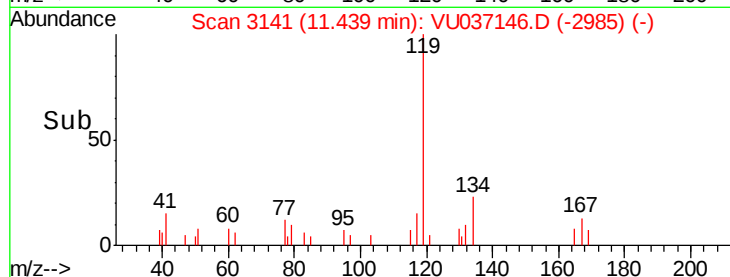
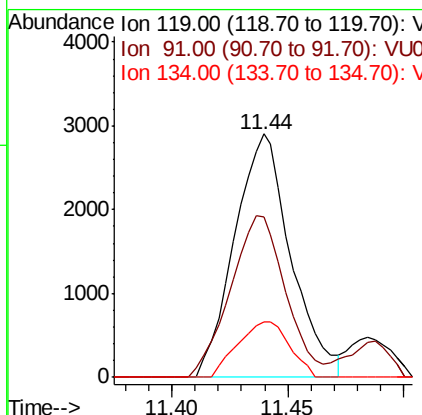
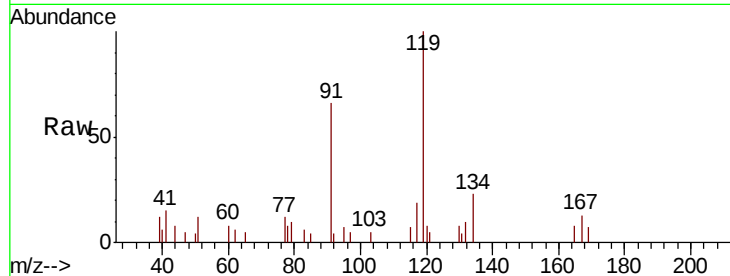




#77
 tert-Butylbenzene
 Concen: 0.306 ug/l
 RT: 11.44 min Scan# 3141
 Delta R.T. 0.00 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

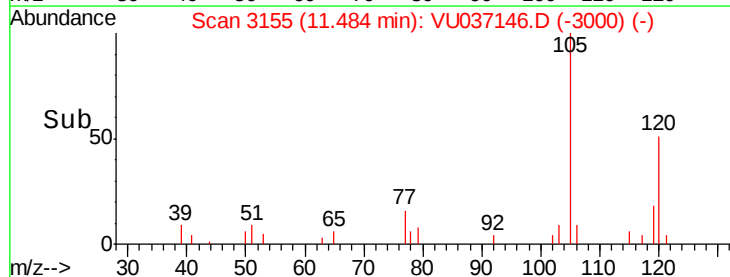
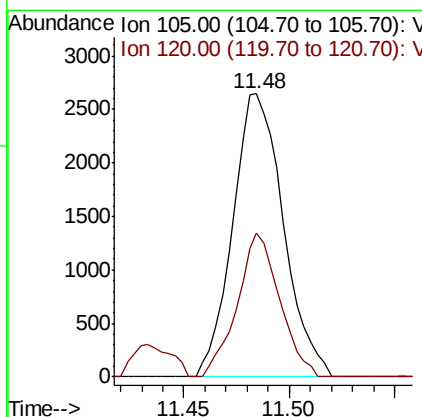
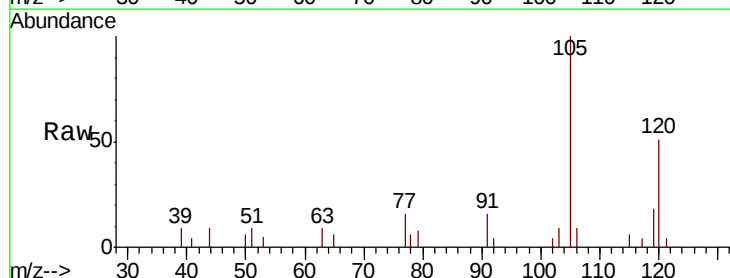
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2020

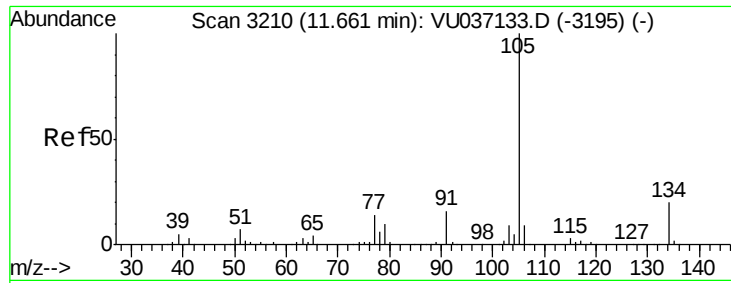
Tot Ion:119 Resp: 4902
 Ion Ratio Lower Upper
 119 100
 91 64.9 29.3 87.8
 134 20.9 19.0 28.4



#78
 1,2,4-Trimethylbenzene
 Concen: 0.266 ug/l
 RT: 11.48 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

Tgt Ion:105 Resp: 4411
 Ion Ratio Lower Upper
 105 100
 120 42.4 23.3 69.8





#79

sec-Butylbenzene

Concen: 0.288 ug/l

RT: 11.66 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

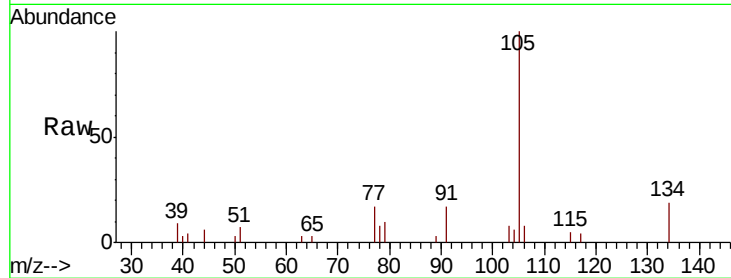
MDL-WATER-03-QT1-2020

Tot Ion:105 Resp: 6279

Ion Ratio Lower Upper

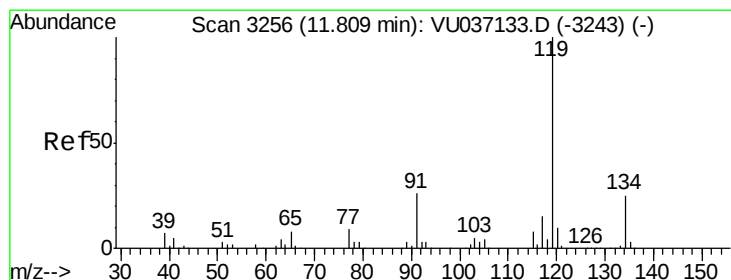
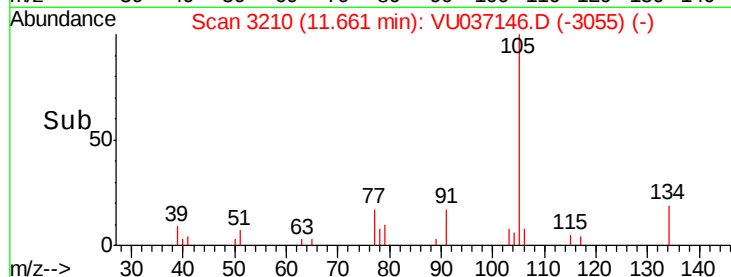
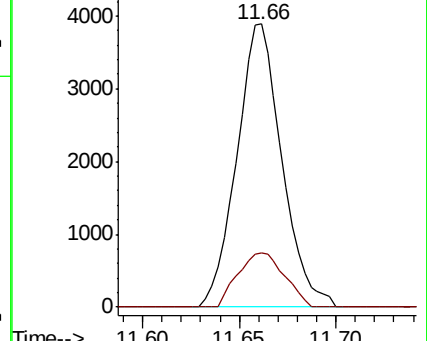
105 100

134 19.8 16.0 24.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#81

p-Isopropyltoluene

Concen: 0.283 ug/l

RT: 11.81 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

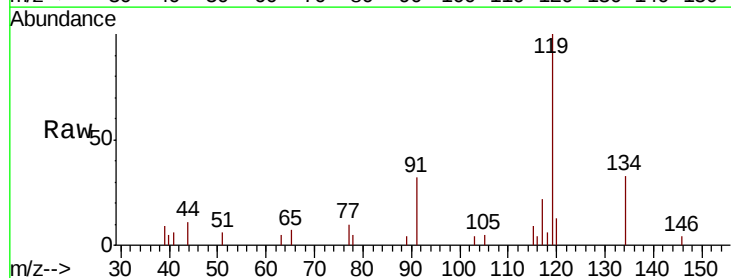
Tgt Ion:119 Resp: 4866

Ion Ratio Lower Upper

119 100

134 25.8 21.4 32.0

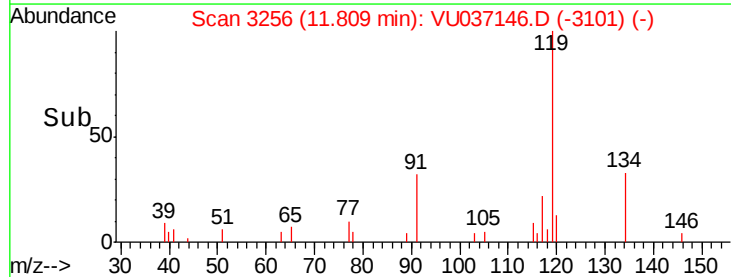
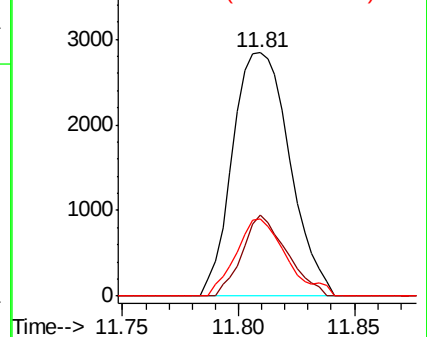
91 28.0 18.3 27.5#

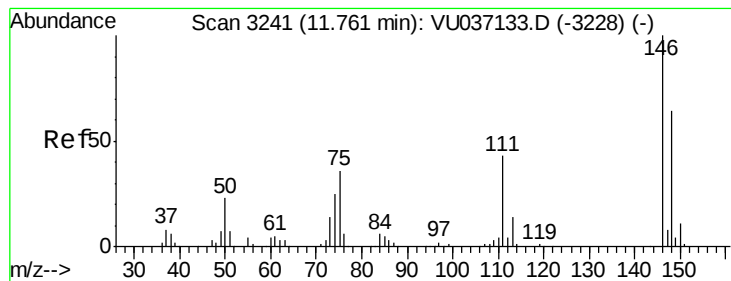


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#82

1,3-Dichlorobenzene

Concen: 0.336 ug/l

RT: 11.76 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2020

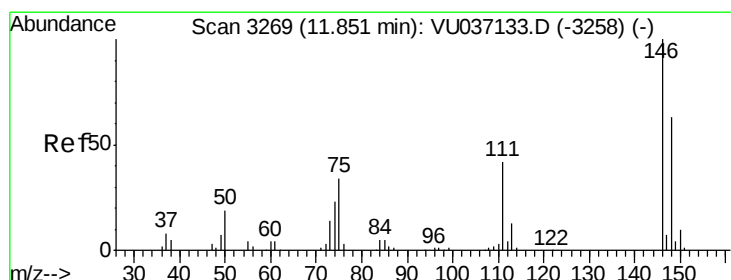
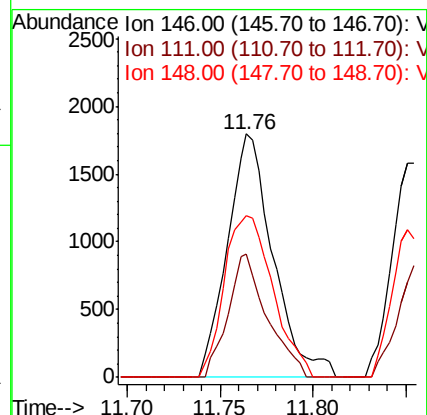
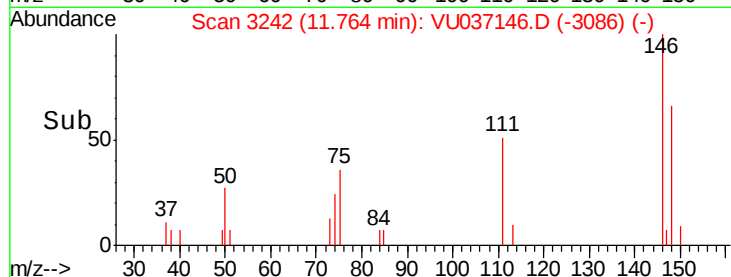
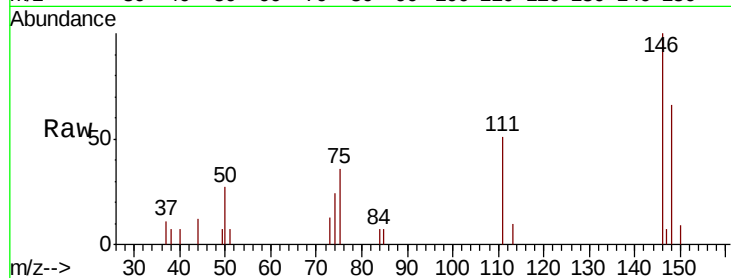
Tot Ion:146 Resp: 3066

Ion Ratio Lower Upper

146 100

111 43.4 32.2 48.2

148 70.7 51.4 77.2



#83

1,4-Dichlorobenzene

Concen: 0.331 ug/l

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

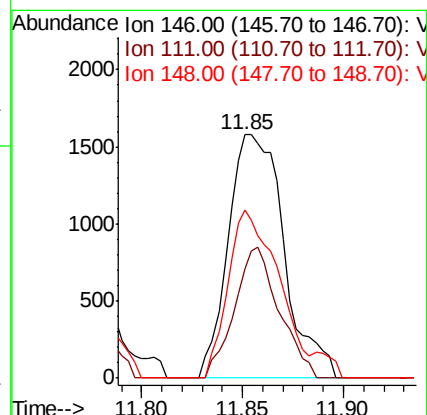
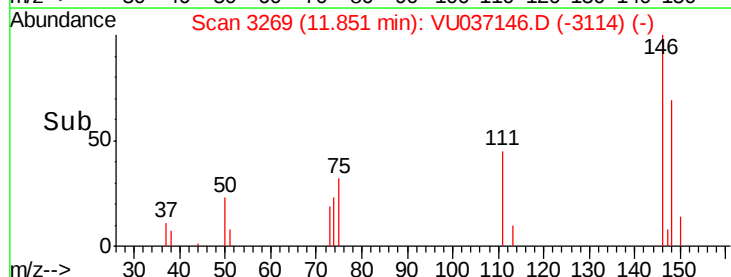
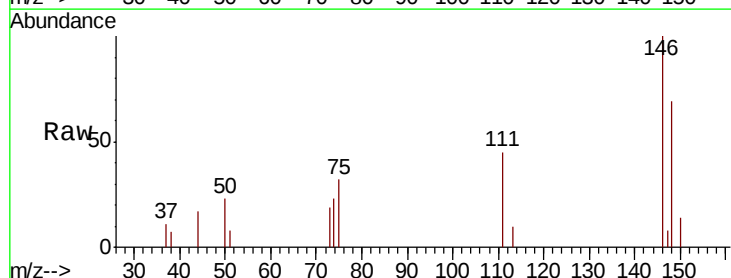
Tgt Ion:146 Resp: 3055

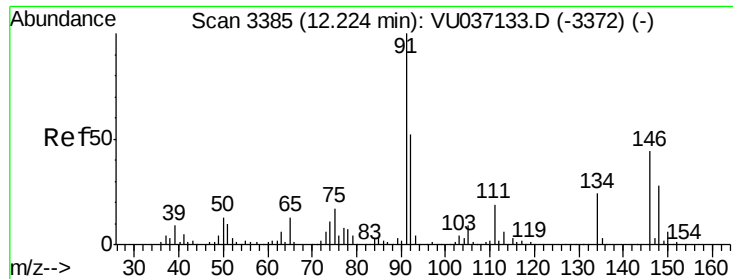
Ion Ratio Lower Upper

146 100

111 43.0 30.5 45.7

148 65.9 51.0 76.4

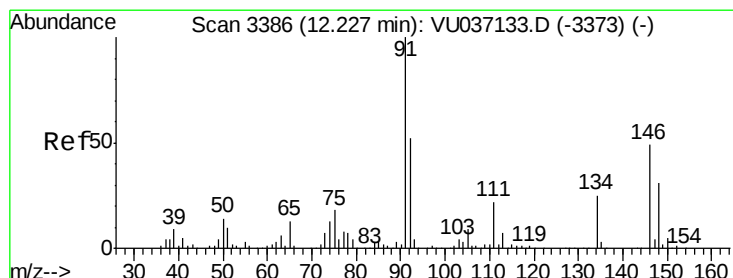
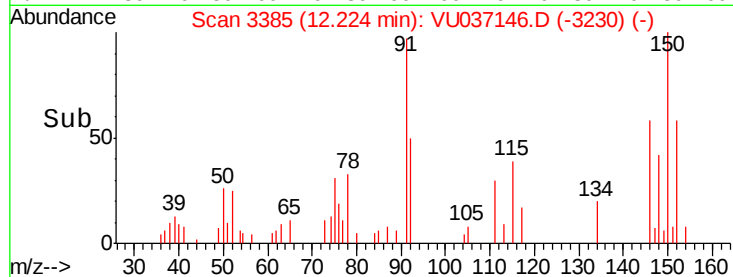
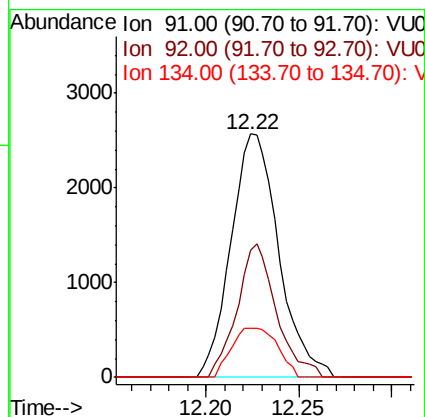
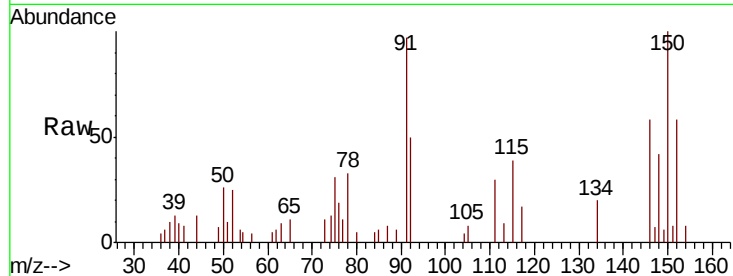




#84
n-Butylbenzene
Concen: 0.282 ug/l
RT: 12.22 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

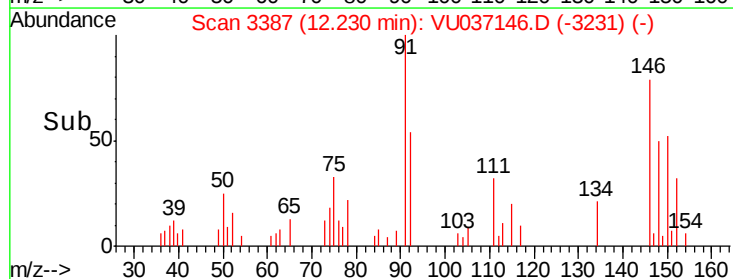
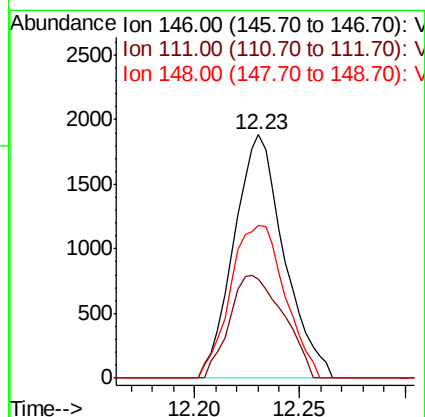
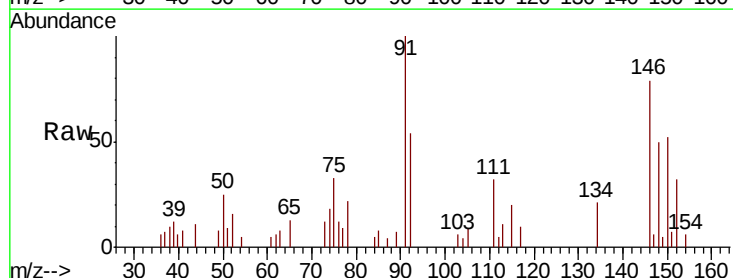
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2020

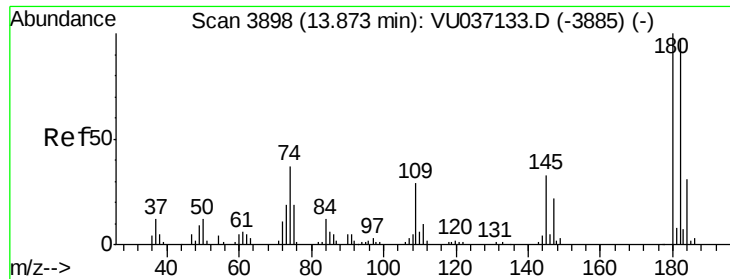
Tot Ion: 91 Resp: 4597
Ion Ratio Lower Upper
91 100
92 45.0 42.9 64.3
134 19.4 21.4 32.0#



#85
1,2-Dichlorobenzene
Concen: 0.352 ug/l
RT: 12.23 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VU037146.D
Acq: 10 Mar 2020 11:42

Tgt Ion: 146 Resp: 3104
Ion Ratio Lower Upper
146 100
111 45.2 20.8 62.4
148 68.2 32.0 96.2

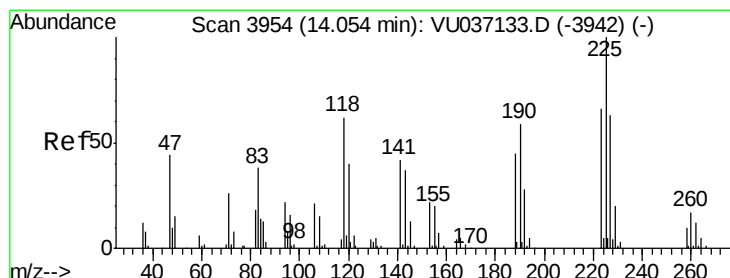
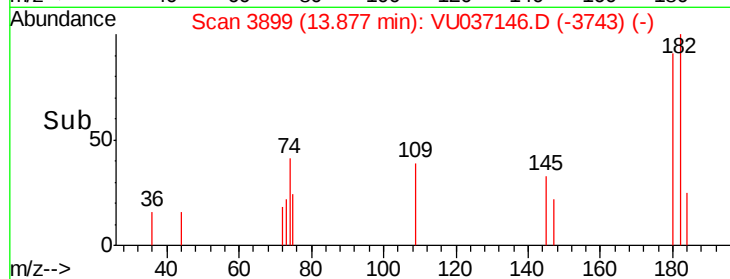
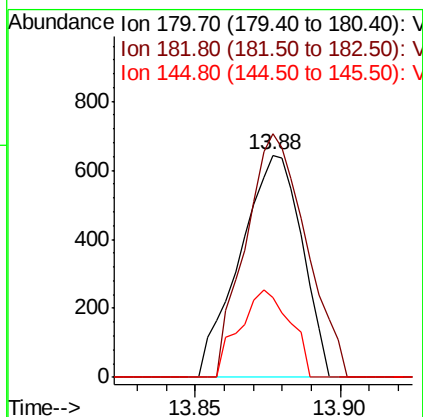
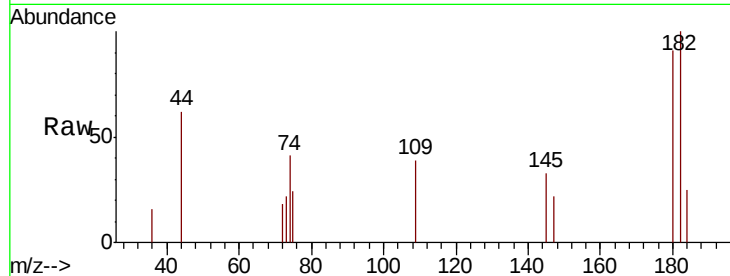




#87
 1,2,4-Trichlorobenzene
 Concen: 0.215 ug/l
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.00 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

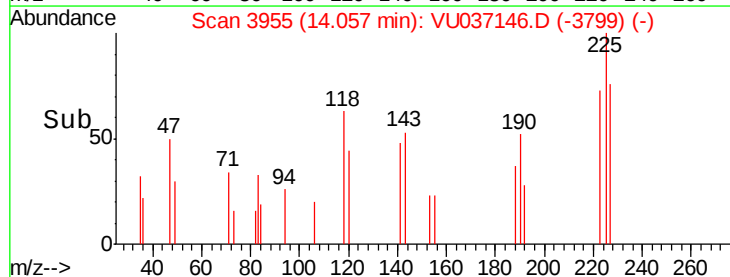
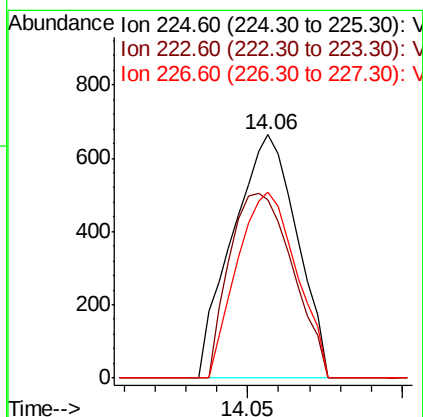
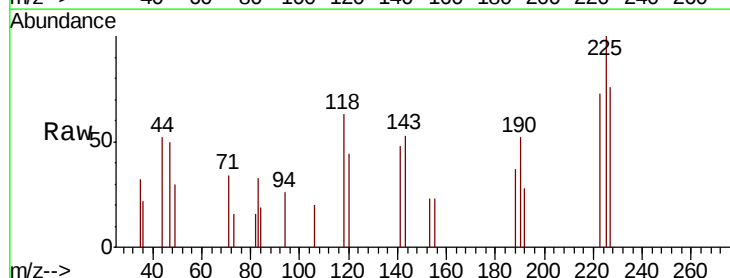
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2020

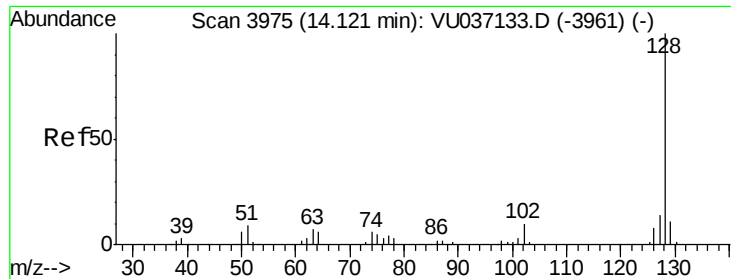
Tot Ion:180 Resp: 953
 Ion Ratio Lower Upper
 180 100
 182 106.8 75.9 113.9
 145 32.0 23.4 35.2



#88
 Hexachlorobutadiene
 Concen: 0.350 ug/l
 RT: 14.06 min Scan# 3955
 Delta R.T. 0.00 min
 Lab File: VU037146.D
 Acq: 10 Mar 2020 11:42

Tgt Ion:225 Resp: 960
 Ion Ratio Lower Upper
 225 100
 223 75.0 51.7 77.5
 227 70.9 50.6 75.8





#89

Naphthalene

Concen: 0.482 ug/l

RT: 14.13 min Scan# 3977

Delta R.T. 0.01 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT1-2020

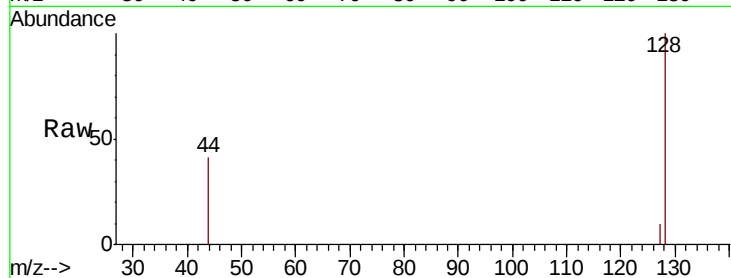
Tot Ion:128 Resp: 1757

Ion Ratio Lower Upper

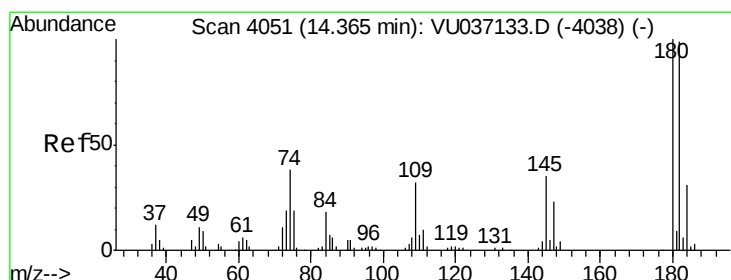
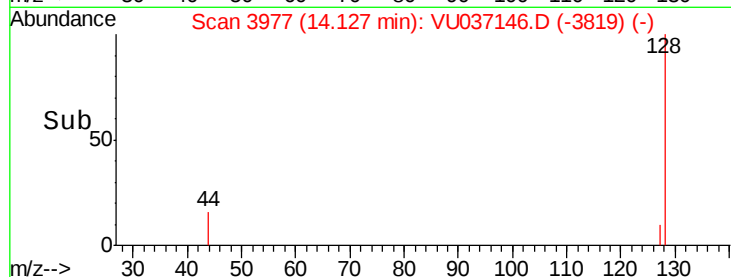
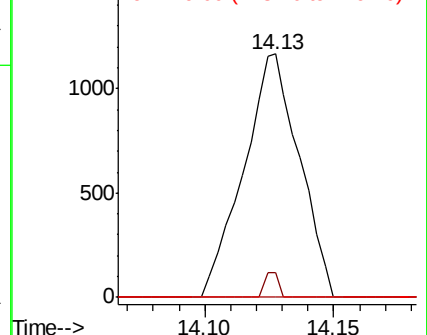
128 100

127 2.6 10.5 15.7#

129 0.0 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



#90

1,2,3-Trichlorobenzene

Concen: 0.258 ug/l

RT: 14.37 min Scan# 4052

Delta R.T. 0.00 min

Lab File: VU037146.D

Acq: 10 Mar 2020 11:42

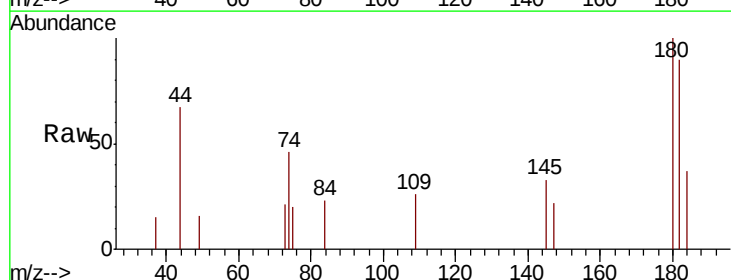
Tgt Ion:180 Resp: 1113

Ion Ratio Lower Upper

180 100

182 93.3 76.2 114.4

145 26.8 25.2 37.8



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

