

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102320\
 Data File : VU040929.D
 Acq On : 23 Oct 2020 11:33
 Operator : SY/MD
 Sample : L4214-09 0.4 ppb
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Oct 24 06:22:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:07:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.12	96	51905	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	15185	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	16862	0.85	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	8787	0.363	ug/l	97
3) Chloromethane	1.53	50	9431	0.374	ug/l	99
4) Vinyl Chloride	1.61	62	8029	0.342	ug/l	99
5) Bromomethane	1.87	94	5722	0.414	ug/l	94
6) Chloroethane	1.94	64	6363	0.443	ug/l	96
7) Trichlorofluoromethane	2.15	101	11053	0.372	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	6003	0.364	ug/l	97
9) 1,1-Dichloroethene	2.59	96	5374	0.374	ug/l	93
10) Iodomethane	2.74	142	3882	0.610	ug/l	94
11) Allyl Chloride	2.94	41	11224	0.379	ug/l	94
12) Acrylonitrile	3.34	53	4407	0.870	ug/l #	55
13) Acetone	2.66	43	7960	1.877	ug/l	98
14) Carbon Disulfide	2.81	76	20656	0.382	ug/l	98
15) Methylene Chloride	3.06	84	8164	0.437	ug/l	91
16) trans-1,2-Dichloroethene	3.37	96	5740	0.353	ug/l	93
17) 1,1-Dichloroethane	3.89	63	12385	0.372	ug/l	100
18) 2-Butanone	4.76	43	12958	1.889	ug/l	85
19) Cyclohexane	5.40	56	10069	0.322	ug/l	91
20) Methylcyclohexane	6.77	83	6870	0.293	ug/l	92
21) 2,2-Dichloropropane	4.68	77	11297	0.402	ug/l #	76
22) cis-1,2-Dichloroethene	4.69	96	6286	0.362	ug/l	95
23) Diethyl Ether	2.39	59	5171	0.364	ug/l	97
24) tert-Butyl Alcohol	3.20	59	1563	0.987	ug/l #	72
26) Bromochloromethane	4.99	128	3109	0.412	ug/l	90
27) Chloroform	5.11	83	12633	0.397	ug/l	94
28) 1,1,1-Trichloroethane	5.33	97	10781	0.393	ug/l	95
29) 1,1-Dichloropropene	5.54	75	8587	0.357	ug/l #	92
30) Carbon Tetrachloride	5.54	117	8436	0.340	ug/l	98
31) Isopropyl Ether	4.02	45	18923	0.368	ug/l	99
32) Ethyl-t-butyl ether	4.54	59	15569	0.344	ug/l	91
33) Tert-Amyl methyl ether	5.96	73	8802	0.261	ug/l	96
35) Benzene	5.78	78	22566	0.339	ug/l	94
36) 1,2-Dichloroethane	5.81	62	8896	0.360	ug/l #	88
37) Trichloroethene	6.55	130	4534	0.288	ug/l	82
38) 1,2-Dichloropropane	6.80	63	6204	0.328	ug/l	94
39) Methacrylonitrile	5.01	41	2965	0.336	ug/l #	83
40) Methyl acrylate	4.87	55	5081	0.420	ug/l #	92
41) Tetrahydrofuran	5.11	42	3300	0.726	ug/l #	85
42) 1-Chlorobutane	5.47	56	13390	0.369	ug/l	96
43) Dibromomethane	6.93	93	3129	0.296	ug/l	87
44) Bromodichloromethane	7.12	83	8275	0.337	ug/l	95

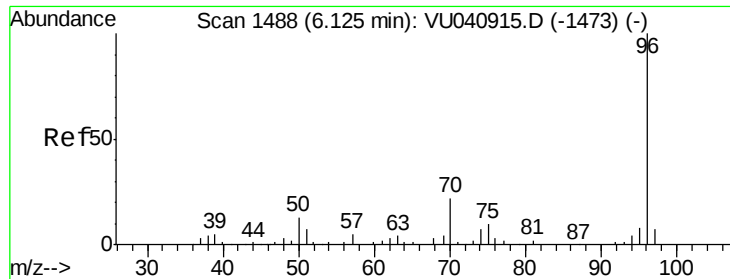
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102320\
 Data File : VU040929.D
 Acq On : 23 Oct 2020 11:33
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Instrument :
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 ClientSampleId :
 MDL-WATER-03-QT4-2020

Quant Time: Oct 24 06:22:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:07:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.81	43	18020	1.296	ug/l	97
46) t-1,4-Dichloro-2-butene	10.83	75	7333	1.334	ug/l #	49
47) Methyl methacrylate	6.98	69	4377	0.495	ug/l #	91
48) Ethyl methacrylate	8.34	69	3875	0.261	ug/l	97
49) Toluene	7.98	92	9927	0.271	ug/l	98
50) t-1,3-Dichloropropene	8.21	75	5584	0.263	ug/l	90
51) cis-1,3-Dichloropropene	7.62	75	7159	0.307	ug/l	91
52) 1,1,2-Trichloroethane	8.41	97	4464	0.333	ug/l #	92
53) 1,3-Dichloropropane	8.58	76	7261	0.302	ug/l #	87
54) 2-Hexanone	8.70	43	13007	1.339	ug/l	91
55) Dibromochloromethane	8.82	129	4642	0.289	ug/l	95
56) 1,2-Dibromoethane	8.93	107	4099	0.330	ug/l	97
58) Tetrachloroethene	8.56	164	4608	0.313	ug/l	96
59) Chlorobenzene	9.45	112	11461	0.296	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.54	131	4951	0.325	ug/l	90
61) Pentachloroethane	11.42	117	3921	0.319	ug/l	96
62) Hexachloroethane	12.47	117	4030	0.322	ug/l	94
63) Ethyl Benzene	9.57	91	15343	0.239	ug/l	100
64) m/p-Xylenes	9.70	106	10713	0.802	ug/l	99
65) o-Xylene	10.10	106	5326	0.236	ug/l	93
66) Styrene	10.11	104	8903	0.448	ug/l	99
67) Bromoform	10.29	173	2632	0.303	ug/l #	83
69) Isopropylbenzene	10.48	105	13097	0.218	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	6072	0.333	ug/l	93
71) 1,2,3-Trichloropropane	10.83	75	7333	0.528	ug/l	57
72) Bromobenzene	10.78	156	4126	0.263	ug/l	96
73) n-propylbenzene	10.90	120	3599	0.406	ug/l	86
74) 2-Chlorotoluene	10.98	126	3477	0.223	ug/l	90
75) 1,3,5-Trimethylbenzene	11.09	105	11098	0.409	ug/l	96
76) 4-Chlorotoluene	11.09	126	3347	0.207	ug/l	93
77) tert-Butylbenzene	11.41	119	12295	0.242	ug/l	90
78) 1,2,4-Trimethylbenzene	11.47	105	10485	0.399	ug/l	92
80) Nitrobenzene	13.20	77	1624	1.885	ug/l #	61
81) p-Isopropyltoluene	11.79	119	11749	0.453	ug/l	96
82) 1,3-Dichlorobenzene	11.74	146	9295	0.272	ug/l	95
83) 1,4-Dichlorobenzene	11.83	146	8242	0.238	ug/l	94
84) n-Butylbenzene	12.20	91	13407	0.227	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	8344	0.255	ug/l	89
86) 1,2-Dibromo-3-Chloropropan	12.99	75	1086	0.319	ug/l #	59
87) 1,2,4-Trichlorobenzene	13.83	180	5453	0.284	ug/l	96
88) Hexachlorobutadiene	14.01	225	3742	0.348	ug/l	95
89) Naphthalene	14.08	128	8504	0.881	ug/l #	93
90) 1,2,3-Trichlorobenzene	14.32	180	4878	0.261	ug/l	94

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 96 Resp: 51905

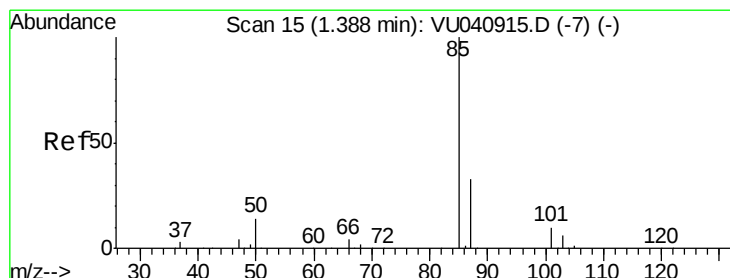
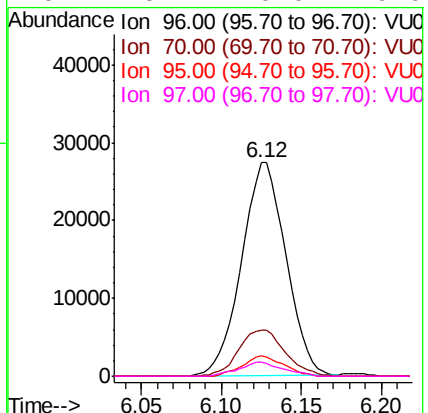
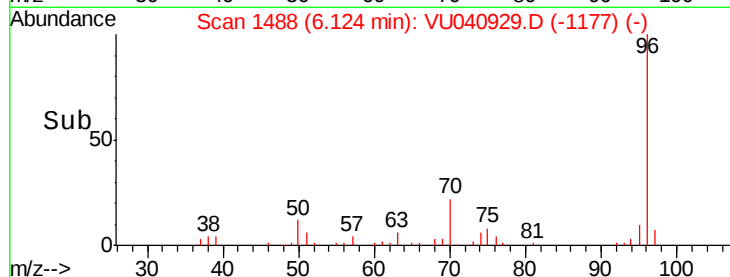
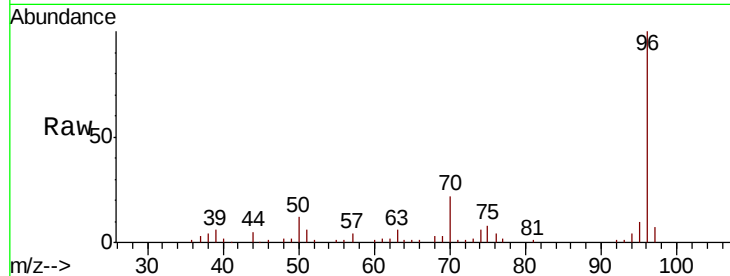
Ion Ratio Lower Upper

96 100

70 22.8 16.3 24.5

95 8.8 7.3 10.9

97 6.4 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.363 ug/l

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040929.D

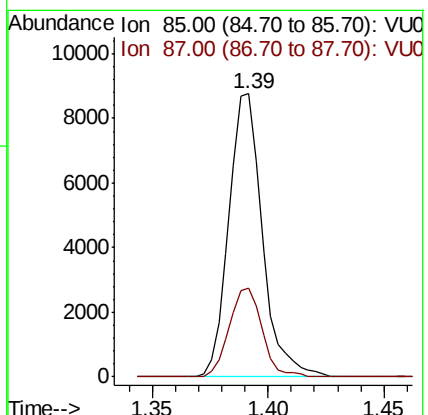
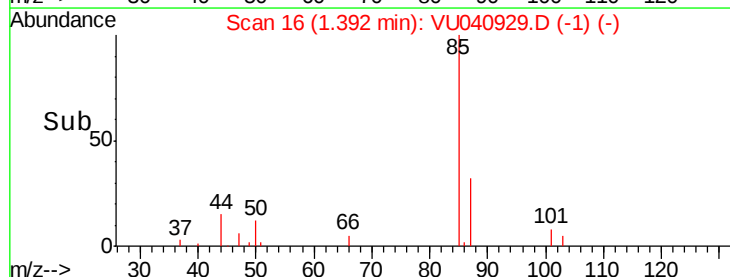
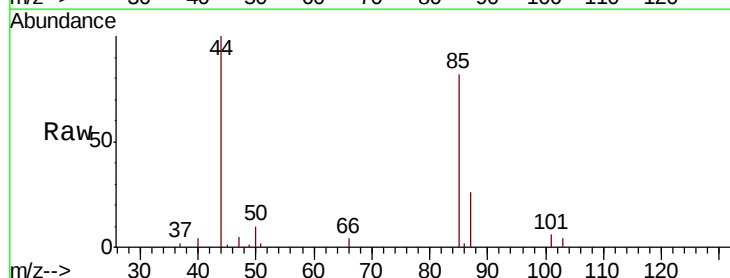
Acq: 23 Oct 2020 11:33

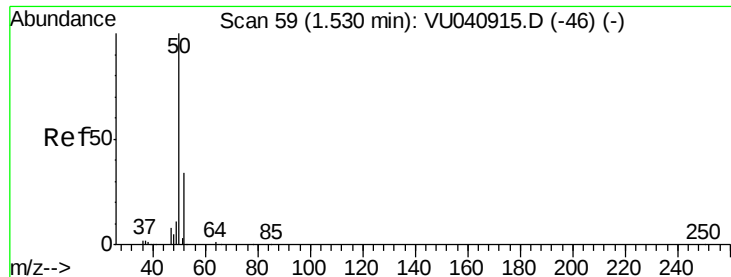
Tgt Ion: 85 Resp: 8787

Ion Ratio Lower Upper

85 100

87 31.6 16.5 49.5





#3

Chloromethane

Concen: 0.374 ug/l

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

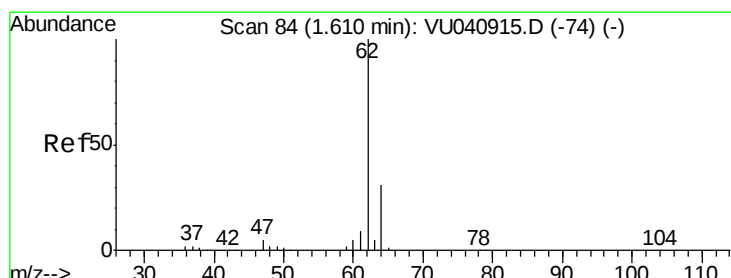
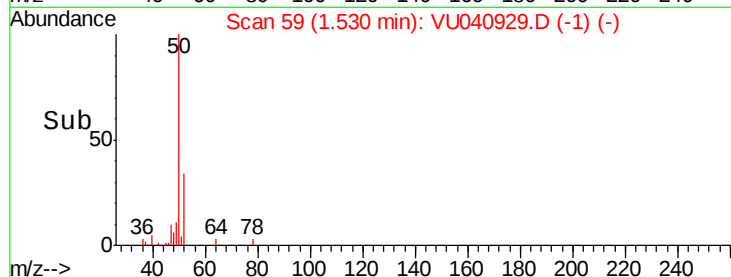
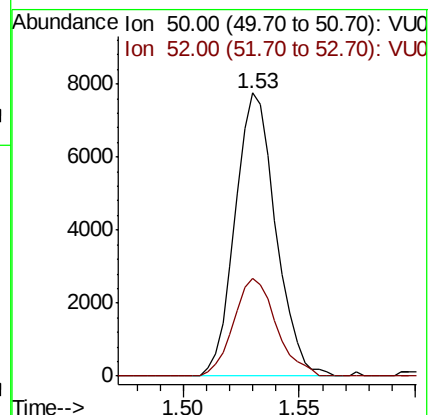
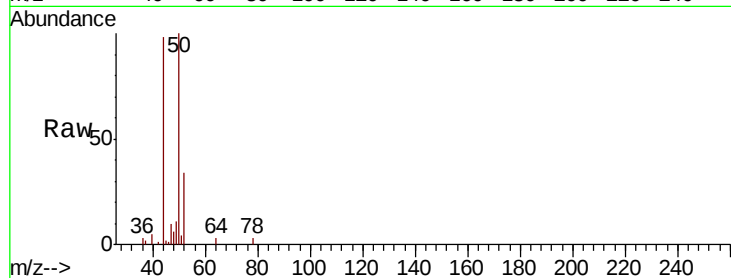
MDL-WATER-03-QT4-2020

Tot Ion: 50 Resp: 9431

Ion Ratio Lower Upper

50 100

52 34.4 26.9 40.3



#4

Vinyl Chloride

Concen: 0.342 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040929.D

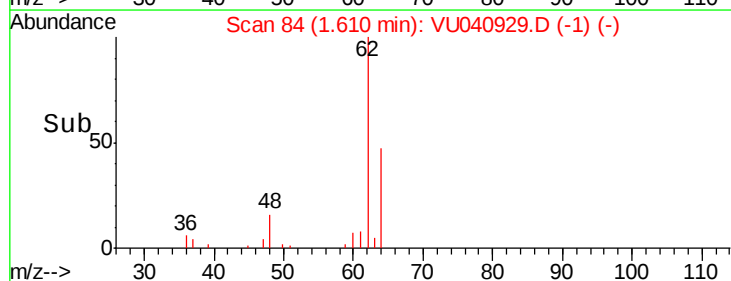
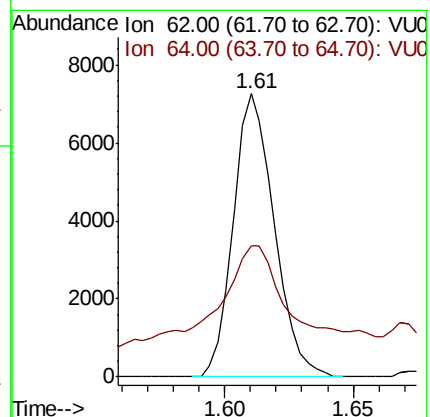
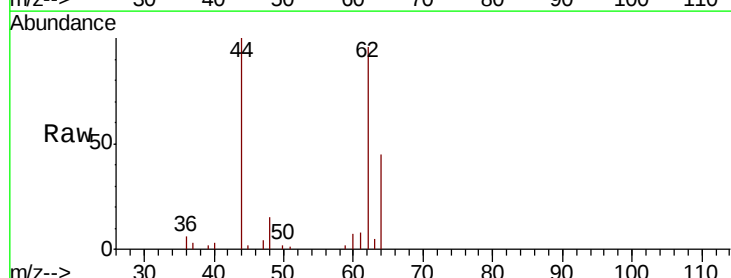
Acq: 23 Oct 2020 11:33

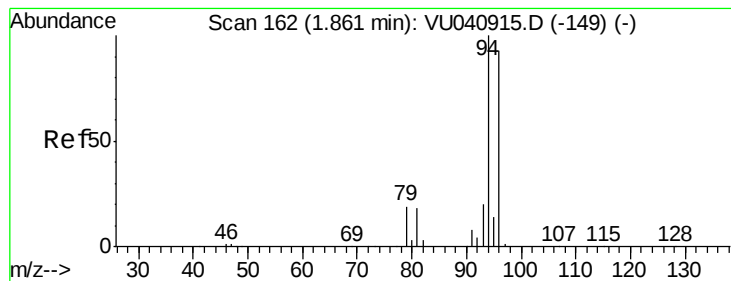
Tgt Ion: 62 Resp: 8029

Ion Ratio Lower Upper

62 100

64 30.5 24.7 37.1





#5

Bromomethane

Concen: 0.414 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

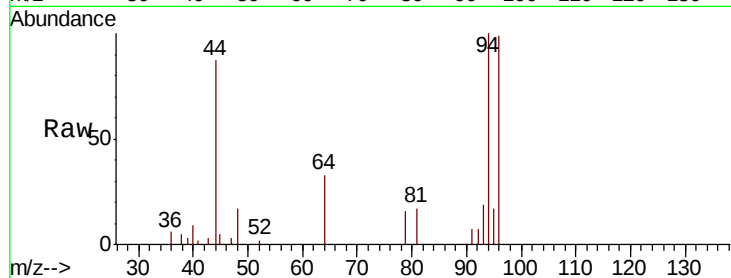
MDL-WATER-03-QT4-2020

Tot Ion: 94 Resp: 5722

Ion Ratio Lower Upper

94 100

96 98.7 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

4000

3000

2000

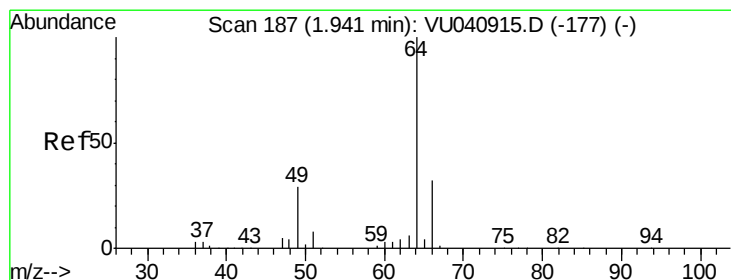
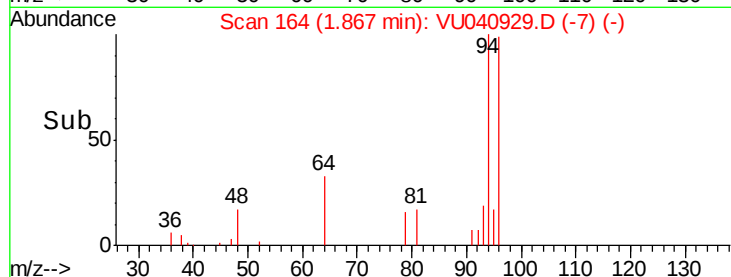
1000

0

1.85

1.90

Time-->



#6

Chloroethane

Concen: 0.443 ug/l

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040929.D

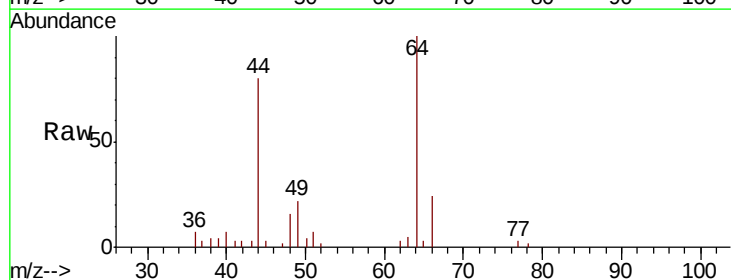
Acq: 23 Oct 2020 11:33

Tgt Ion: 64 Resp: 6363

Ion Ratio Lower Upper

64 100

66 29.4 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.94

6000

5000

4000

3000

2000

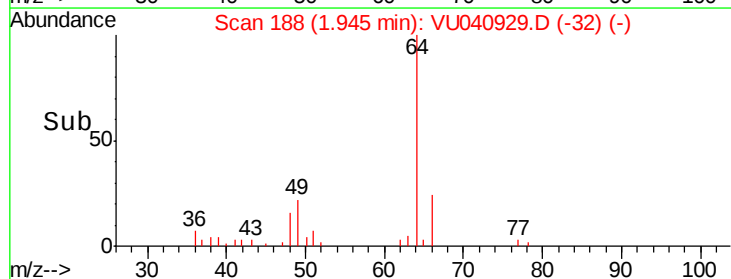
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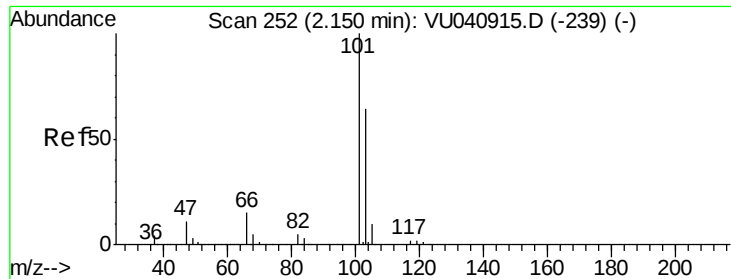
0

1.90

1.95

Time-->



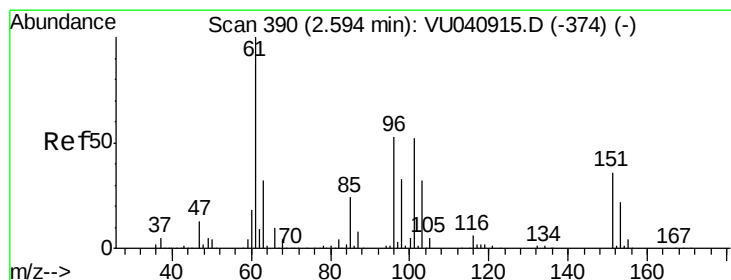
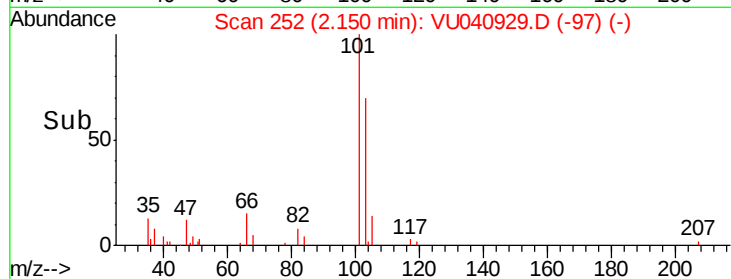
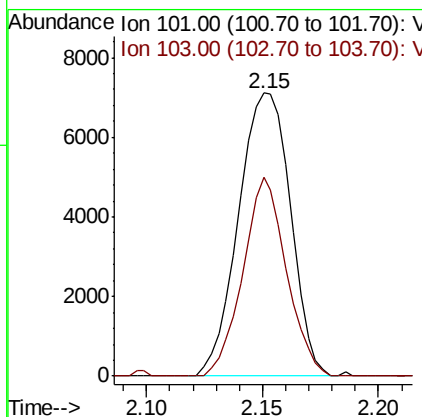
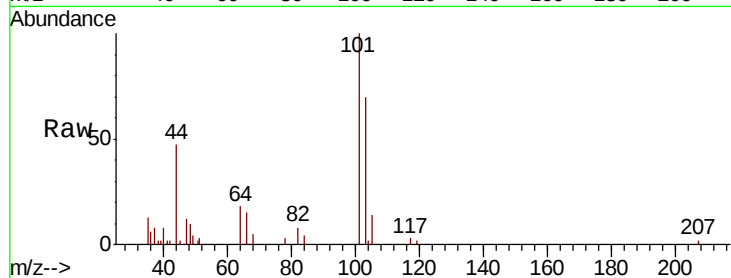


#7

Trichlorofluoromethane
 Concen: 0.372 ug/l
 RT: 2.15 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

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

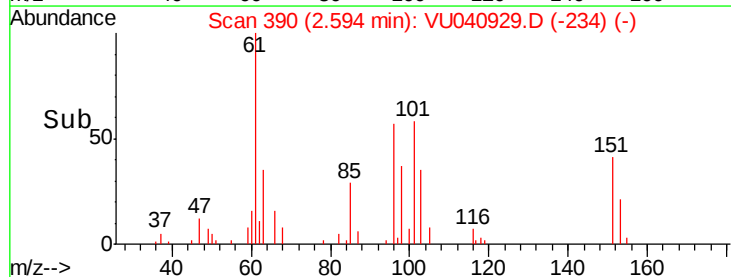
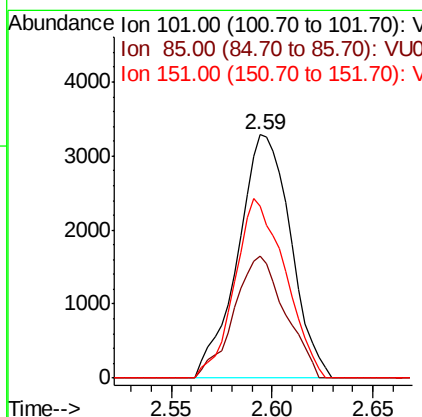
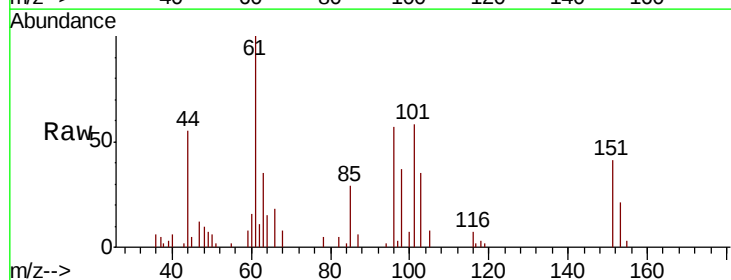
Tot Ion:101 Resp: 11053
 Ion Ratio Lower Upper
 101 100
 103 70.1 51.5 77.3

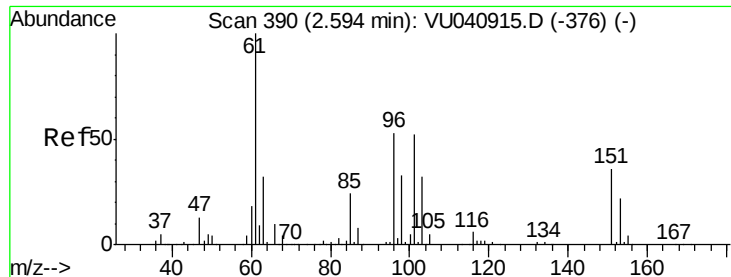


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.364 ug/l
 RT: 2.59 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion:101 Resp: 6003
 Ion Ratio Lower Upper
 101 100
 85 48.4 36.2 54.2
 151 70.7 55.1 82.7





#9

1,1-Dichloroethene

Concen: 0.374 ug/l

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

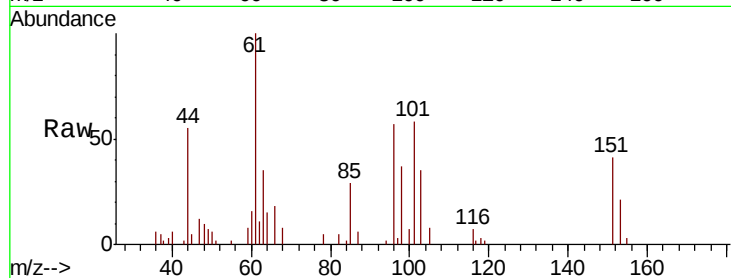
Tot Ion: 96 Resp: 5374

Ion Ratio Lower Upper

96 100

61 174.8 0.0 561.9

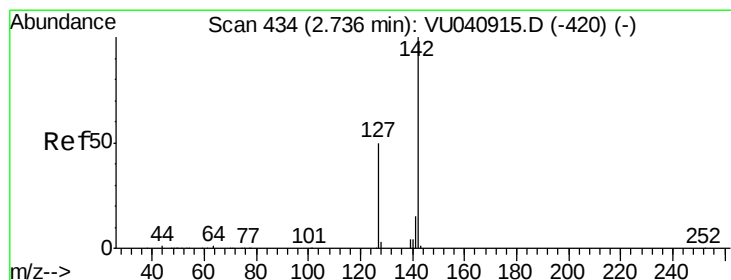
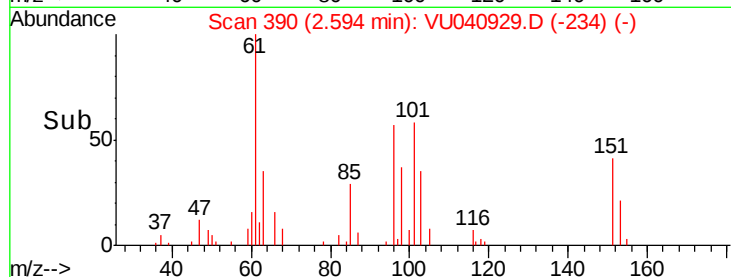
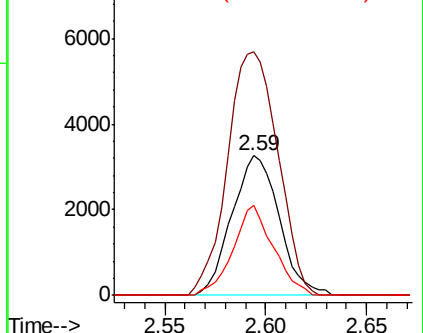
98 64.3 0.0 125.0



Abundance Ion 96.00 (95.70 to 96.70): VU040929.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VU040929.D (-234) (-)

Ion 98.00 (97.70 to 98.70): VU040929.D (-234) (-)



#10

Iodomethane

Concen: 0.610 ug/l

RT: 2.74 min Scan# 436

Delta R.T. 0.01 min

Lab File: VU040929.D

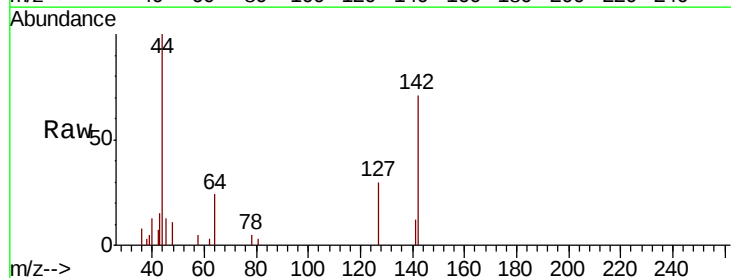
Acq: 23 Oct 2020 11:33

Tgt Ion:142 Resp: 3882

Ion Ratio Lower Upper

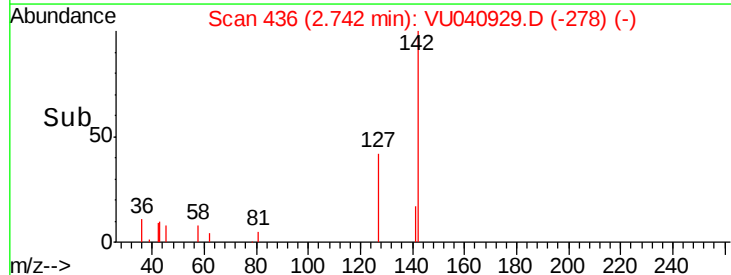
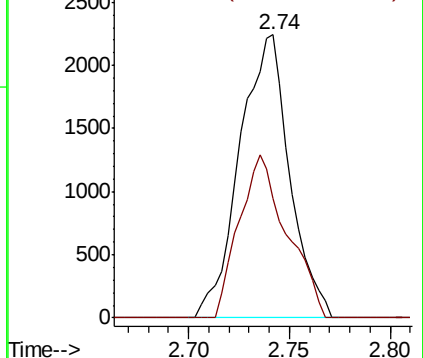
142 100

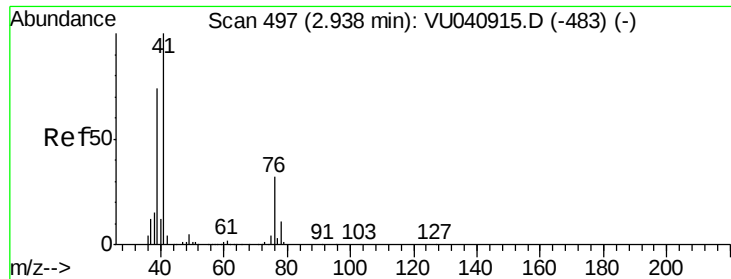
127 55.0 40.6 60.8



Abundance Ion 142.00 (141.70 to 142.70): VU040929.D (-278) (-)

Ion 127.00 (126.70 to 127.70): VU040929.D (-278) (-)

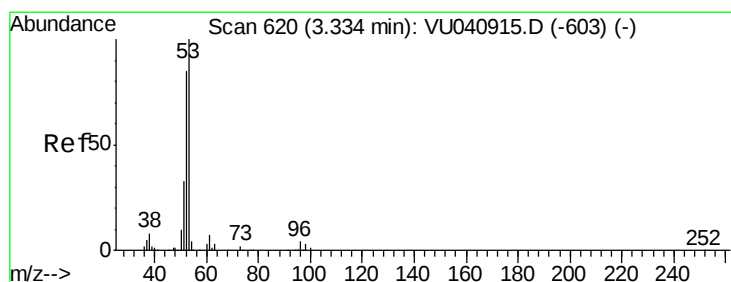
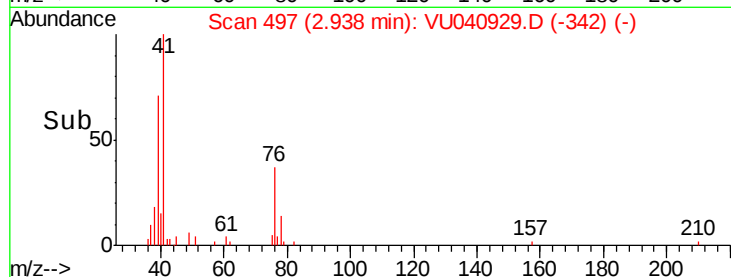
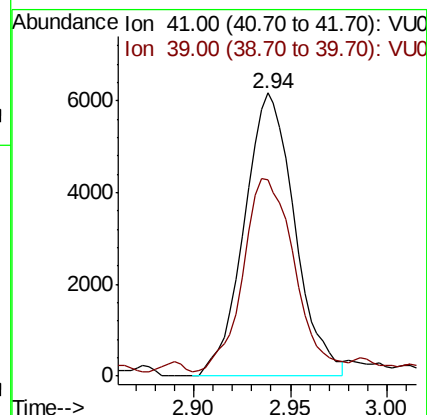
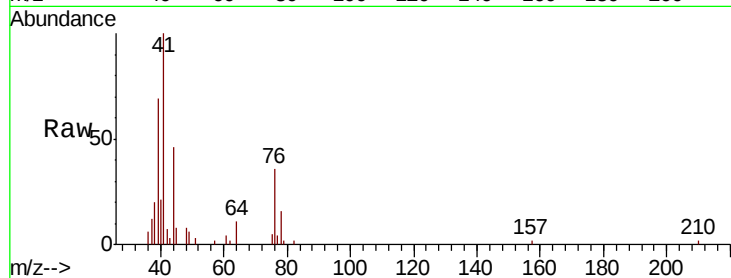




#11
Allvl Chloride
Concen: 0.379 ug/l
RT: 2.94 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

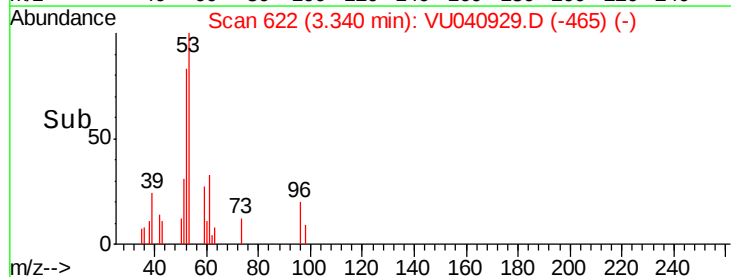
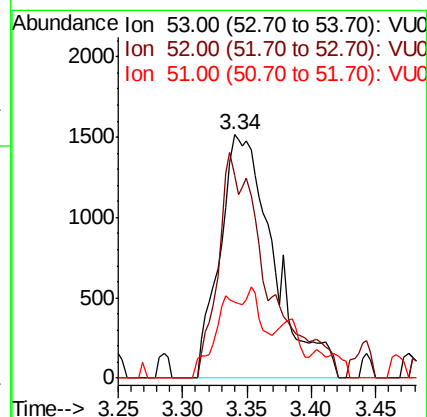
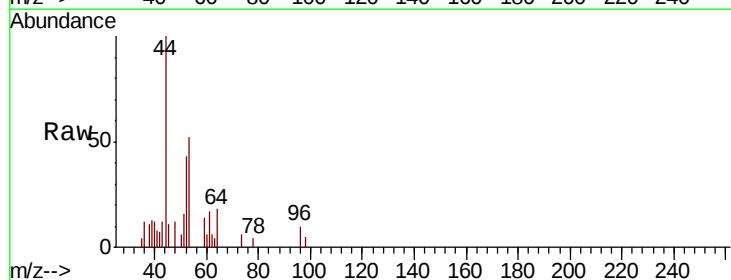
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

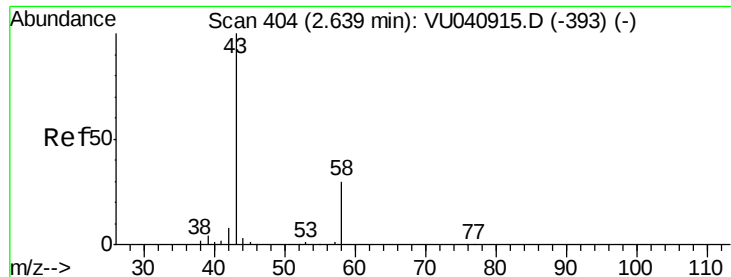
Tot Ion: 41 Resp: 11224
Ion Ratio Lower Upper
41 100
39 69.0 59.0 88.4



#12
Acrylonitrile
Concen: 0.870 ug/l
RT: 3.34 min Scan# 622
Delta R.T. 0.01 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 53 Resp: 4407
Ion Ratio Lower Upper
53 100
52 34.6 63.1 94.7#
51 17.3 30.6 46.0#

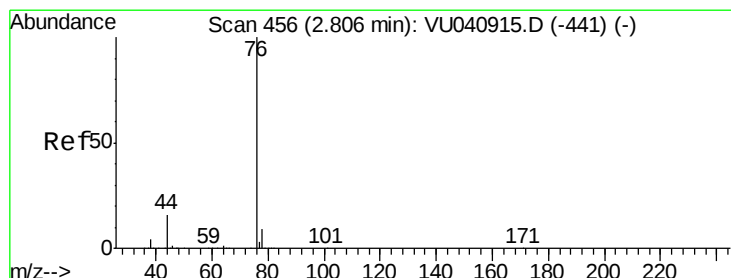
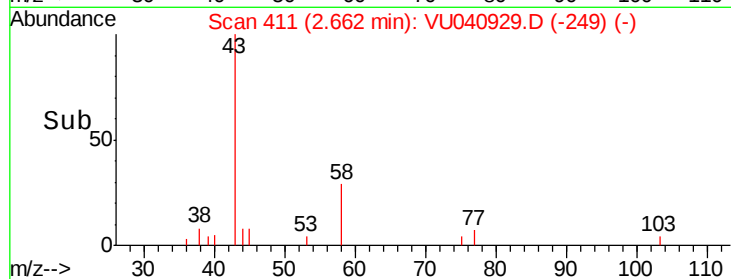
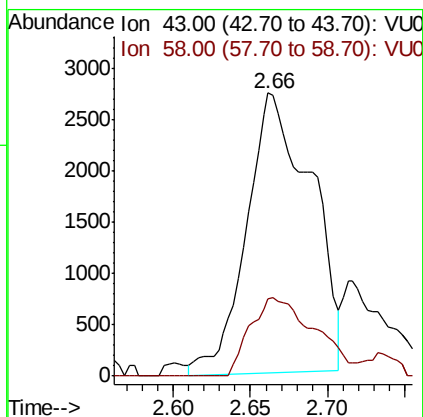
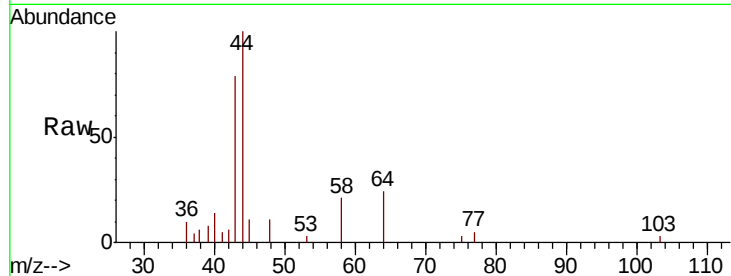




#13
Acetone
Concen: 1.877 ug/l
RT: 2.66 min Scan# 411
Delta R.T. 0.02 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

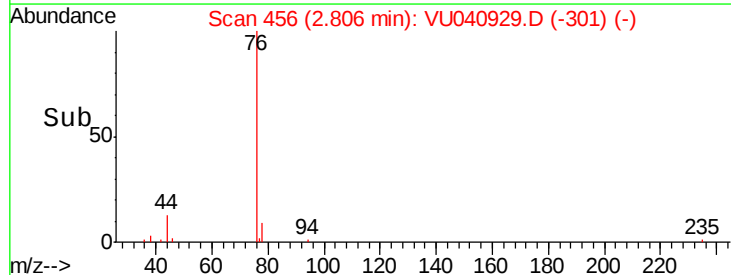
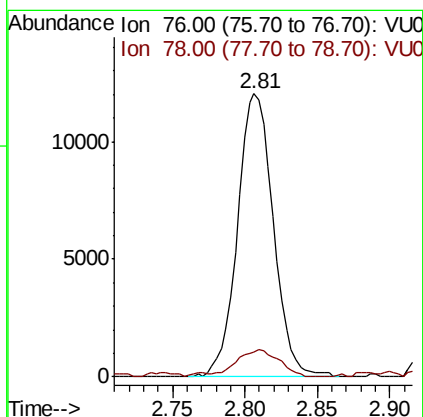
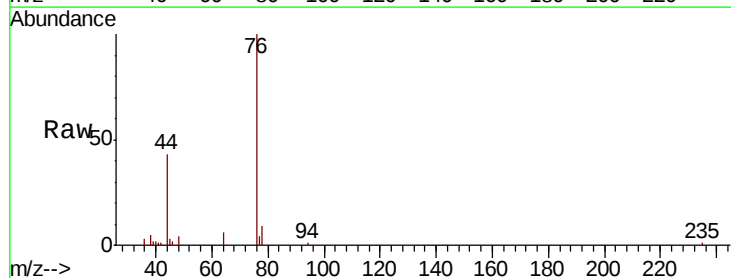
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

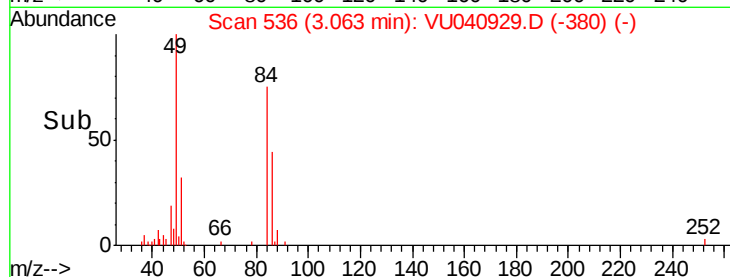
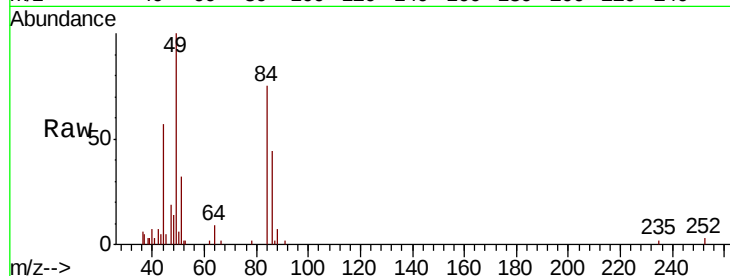
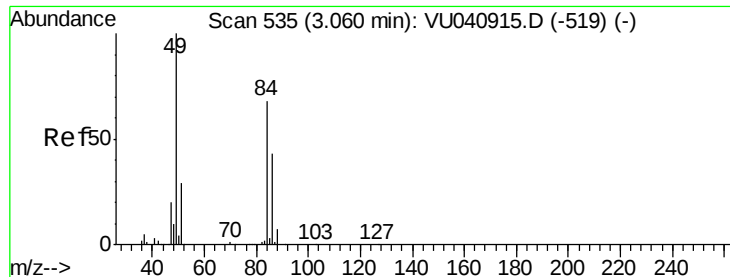
Tot Ion: 43 Resp: 7960
Ion Ratio Lower Upper
43 100
58 28.2 23.6 35.4



#14
Carbon Disulfide
Concen: 0.382 ug/l
RT: 2.81 min Scan# 456
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 76 Resp: 20656
Ion Ratio Lower Upper
76 100
78 8.1 7.1 10.7

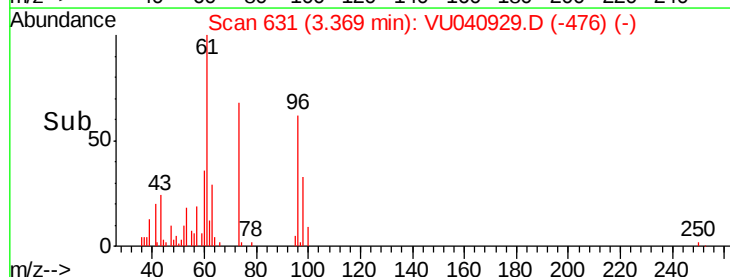
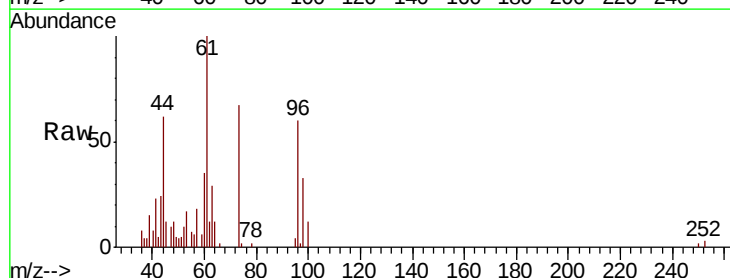
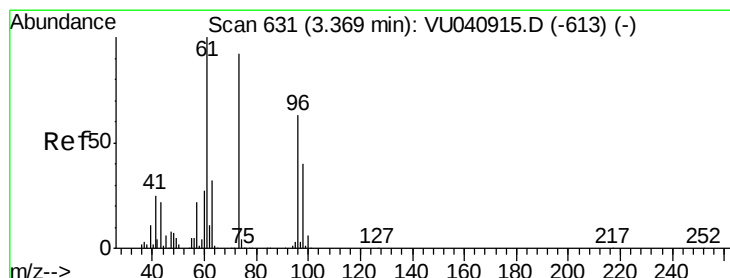
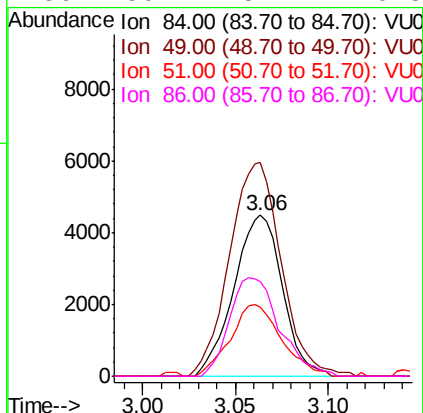




#15
Methylene Chloride
Concen: 0.437 ug/l
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

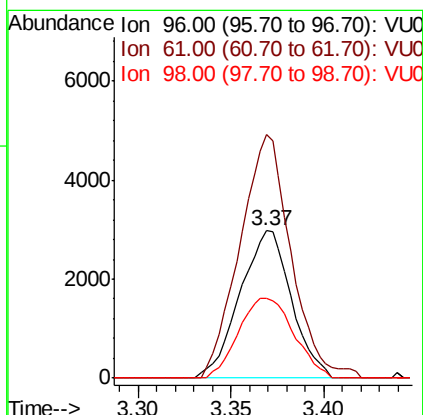
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

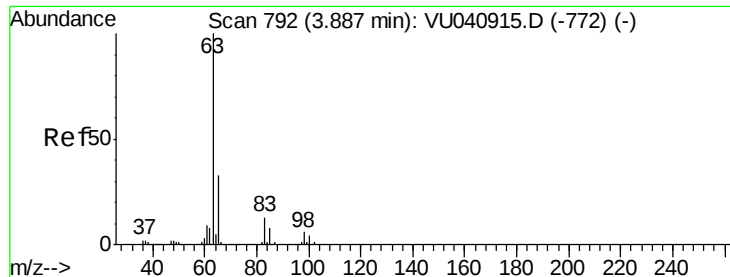
Tot Ion: 84 Resp: 8164
Ion Ratio Lower Upper
84 100
49 132.7 118.2 177.4
51 42.9 0.0 86.8
86 59.1 51.2 76.8



#16
trans-1,2-Dichloroethene
Concen: 0.353 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 96 Resp: 5740
Ion Ratio Lower Upper
96 100
61 165.3 127.0 190.4
98 54.1 51.2 76.8

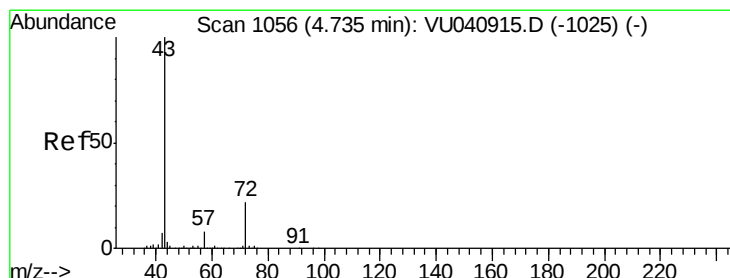
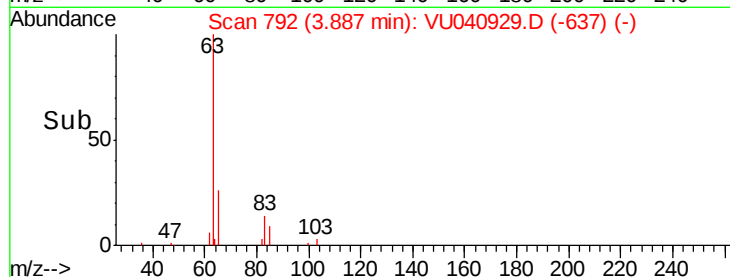
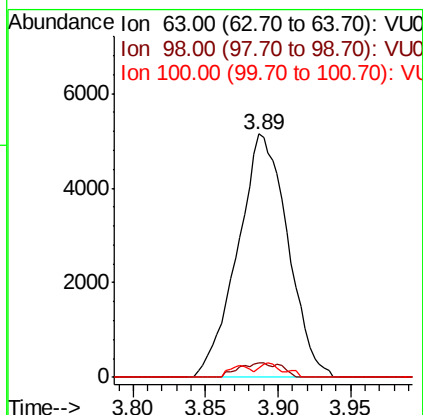
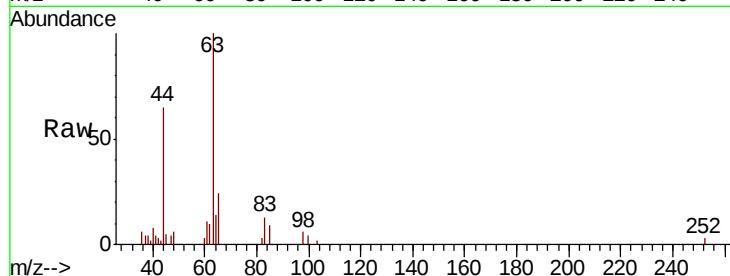




#17
 1,1-Dichloroethane
 Concen: 0.372 ug/l
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

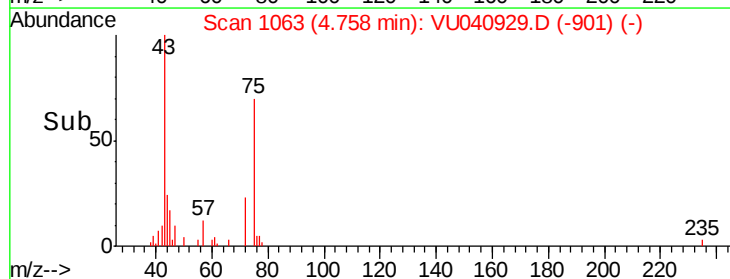
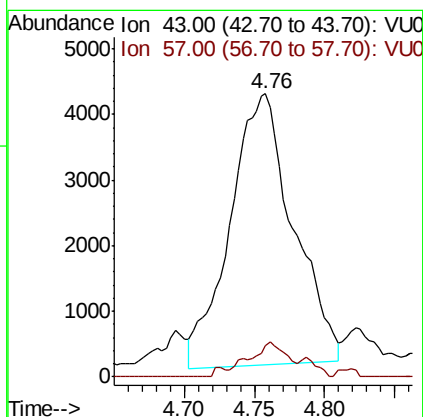
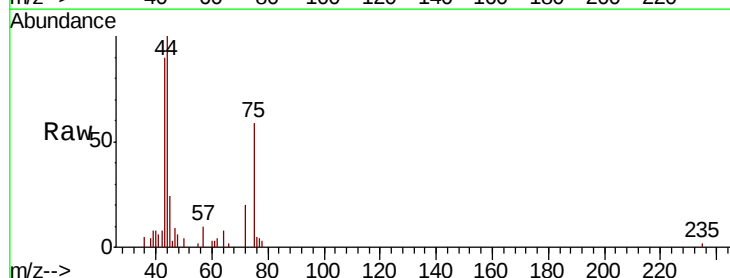
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

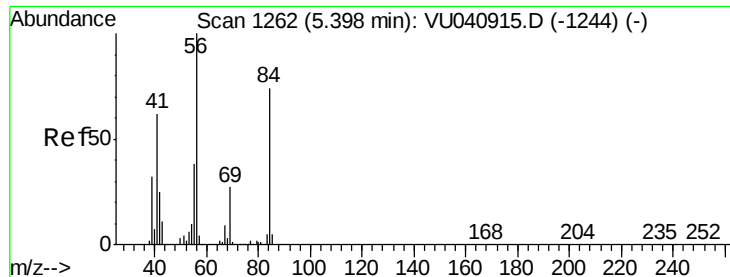
Tot Ion:	63	Resp:	12385
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.0	9.2
100	3.8	1.8	5.5



#18
 2-Butanone
 Concen: 1.889 ug/l
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.02 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion:	43	Resp:	12958
Ion	Ratio	Lower	Upper
43	100		
57	12.7	0.0	15.2

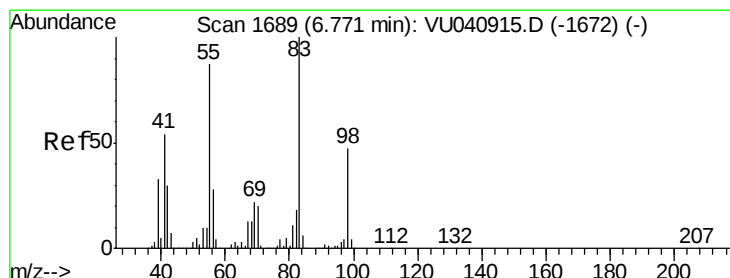
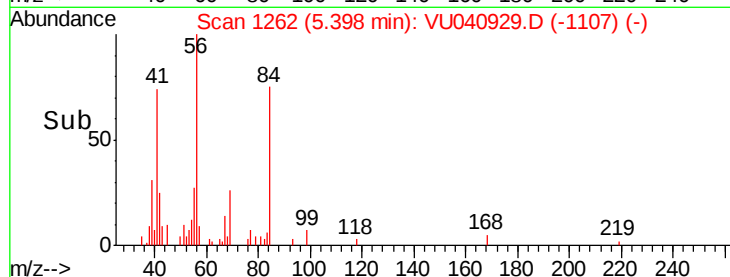
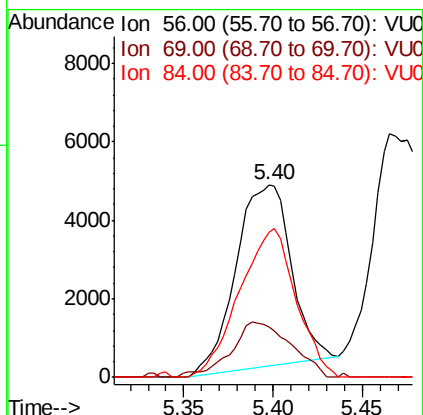
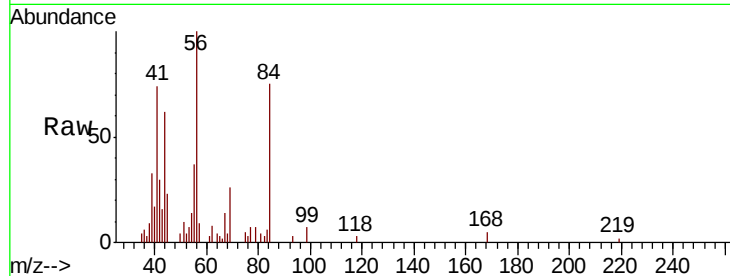




#19
Cyclohexane
Concen: 0.322 ug/l
RT: 5.40 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

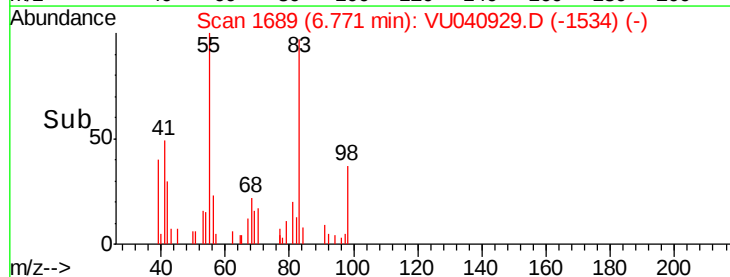
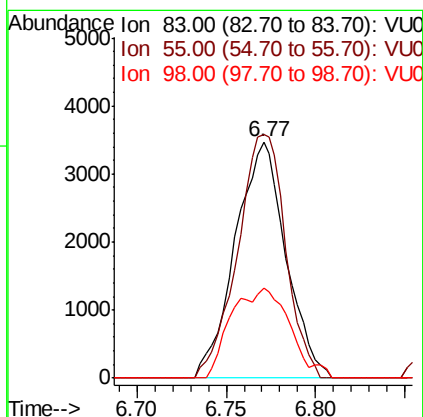
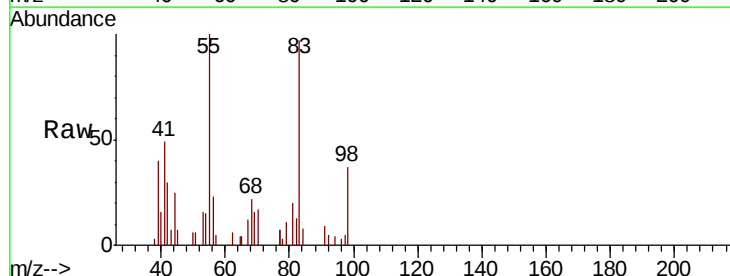
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

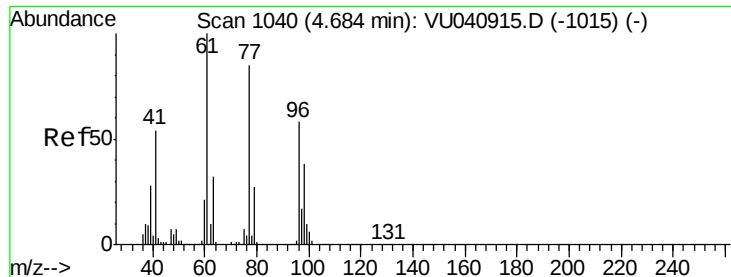
Tot Ion	56	Resp	10069
Ion	Ratio	Lower	Upper
56	100		
69	32.8	22.2	33.2
84	83.1	60.1	90.1



#20
Methylcyclohexane
Concen: 0.293 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion	83	Resp	6870
Ion	Ratio	Lower	Upper
83	100		
55	97.9	71.0	106.4
98	44.2	38.1	57.1





#21

2,2-Dichloropropane

Concen: 0.402 ug/l

RT: 4.68 min Scan# 1038

Delta R.T. -0.01 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

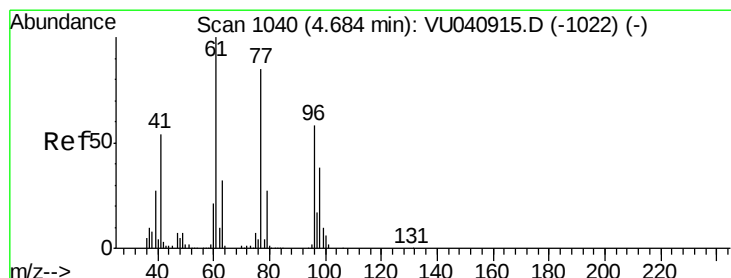
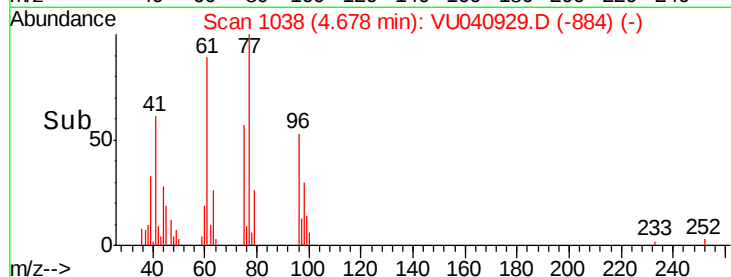
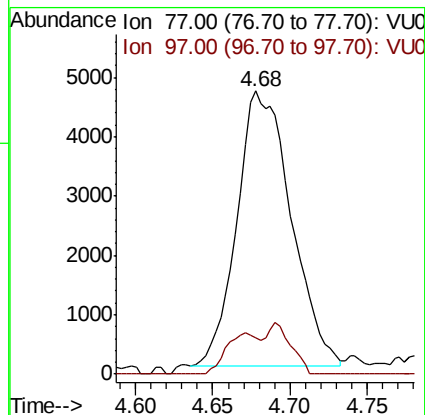
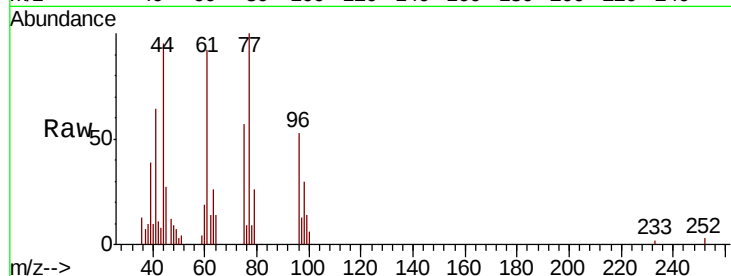
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 77 Resp: 11297

Ion Ratio Lower Upper

77 100

97 9.1 16.0 24.0#



#22

cis-1,2-Dichloroethene

Concen: 0.362 ug/l

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

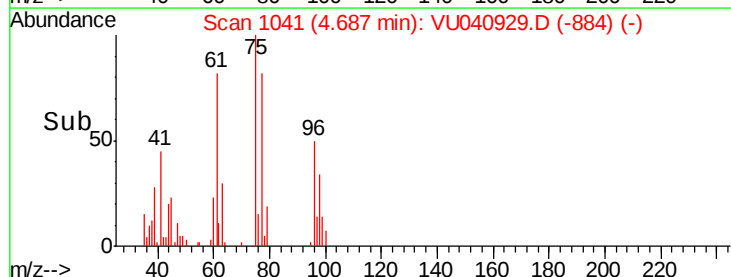
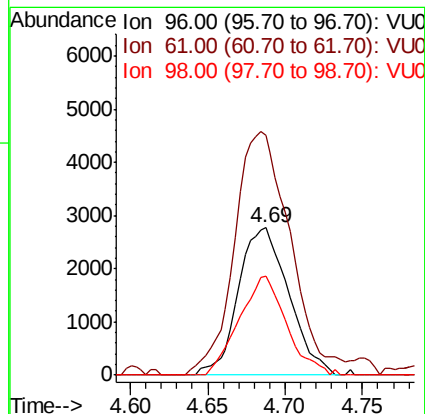
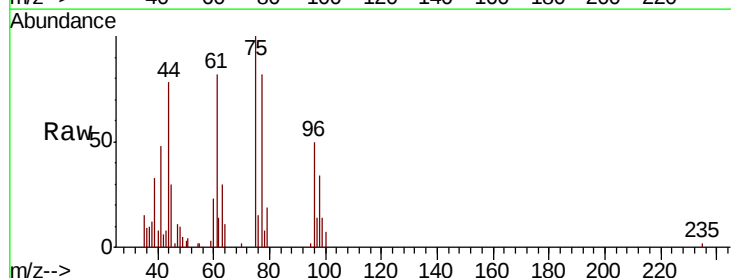
Tgt Ion: 96 Resp: 6286

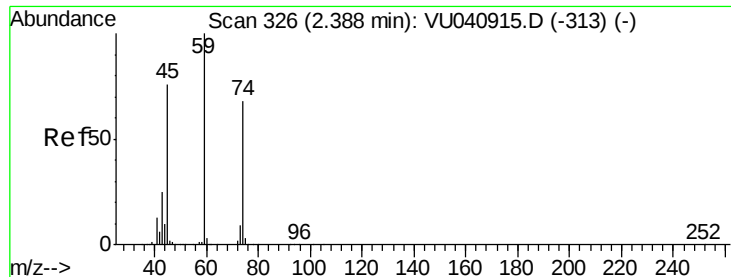
Ion Ratio Lower Upper

96 100

61 182.6 0.0 434.5

98 63.0 32.6 97.8

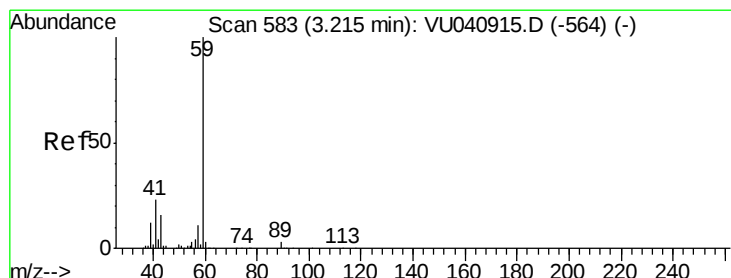
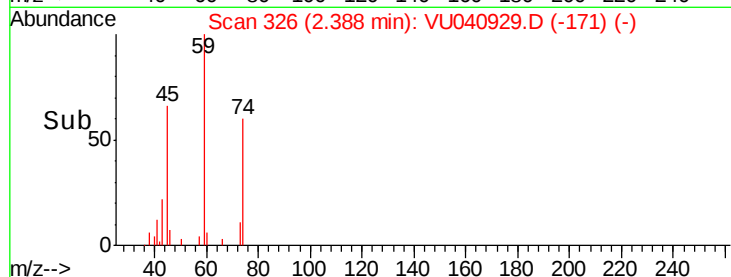
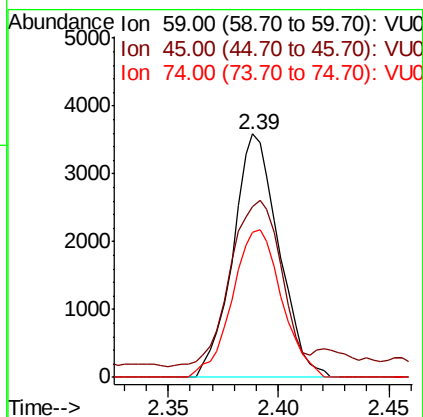
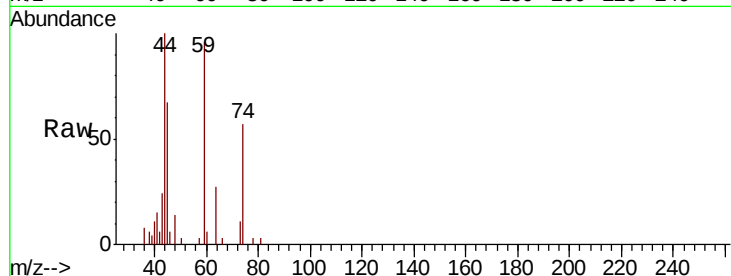




#23
Diethyl Ether
Concen: 0.364 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

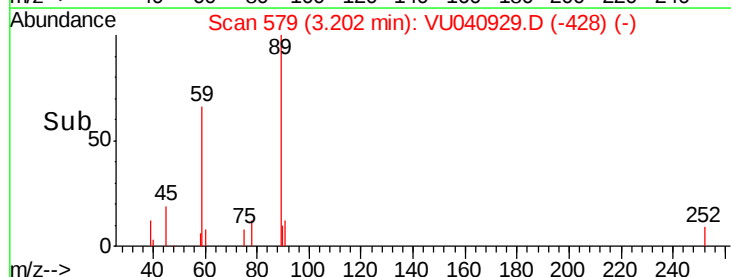
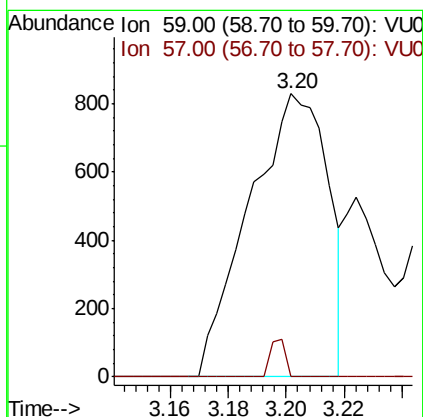
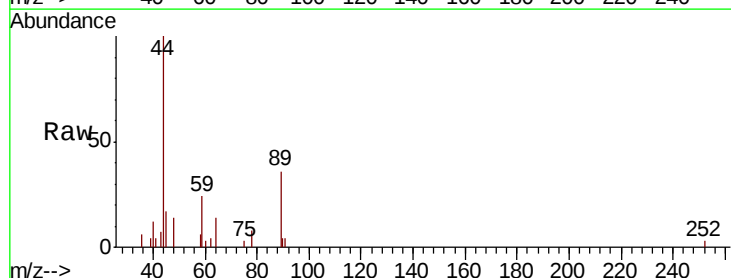
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

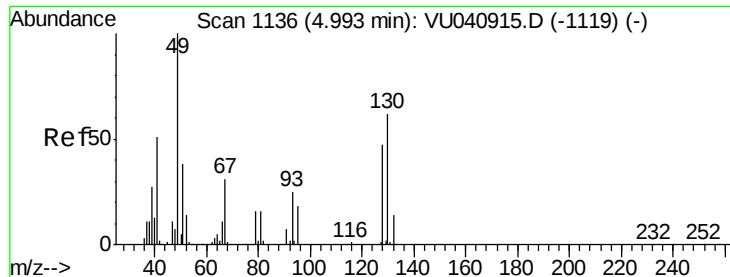
Tot Ion: 59 Resp: 5171
Ion Ratio Lower Upper
59 100
45 75.0 61.4 92.2
74 65.5 55.0 82.4



#24
tert-Butyl Alcohol
Concen: 0.987 ug/l
RT: 3.20 min Scan# 579
Delta R.T. -0.01 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 59 Resp: 1563
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

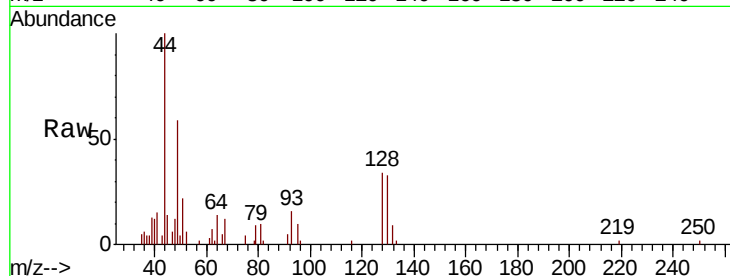




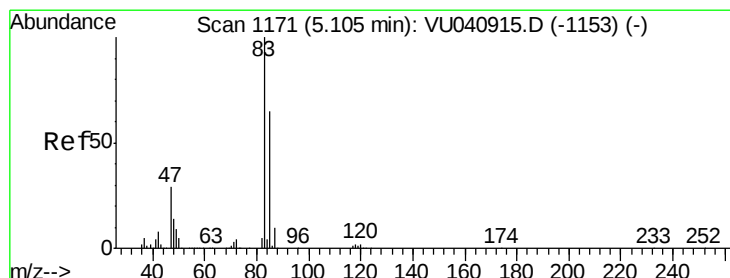
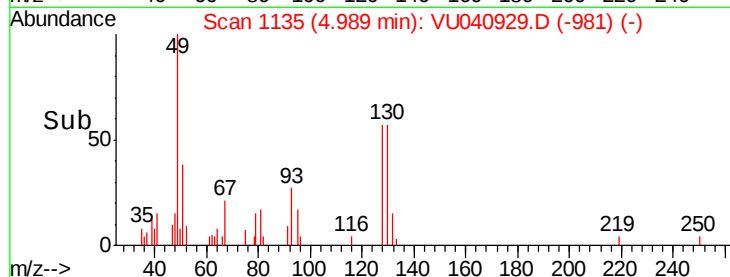
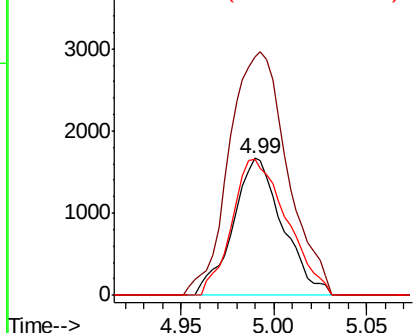
#26
Bromochloromethane
Concen: 0.412 ug/l
RT: 4.99 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion:128 Resp: 3109
Ion Ratio Lower Upper
128 100
49 207.9 0.0 426.4
130 109.6 106.2 159.4

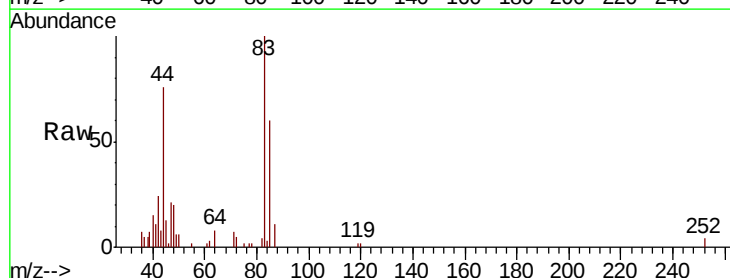


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU0
Ion 130.00 (129.70 to 130.70): V

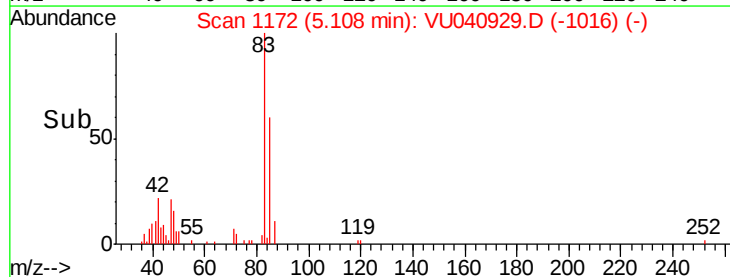
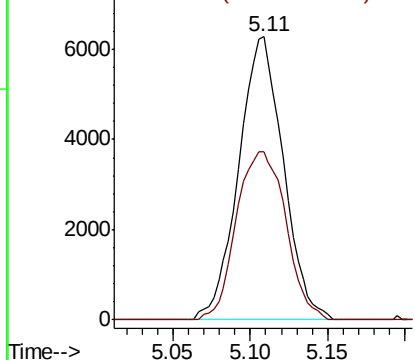


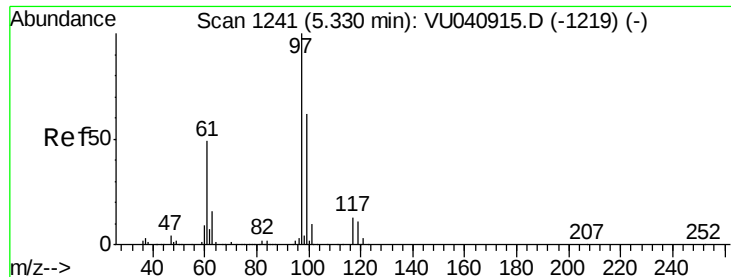
#27
Chloroform
Concen: 0.397 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 83 Resp: 12633
Ion Ratio Lower Upper
83 100
85 59.6 0.0 129.0



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

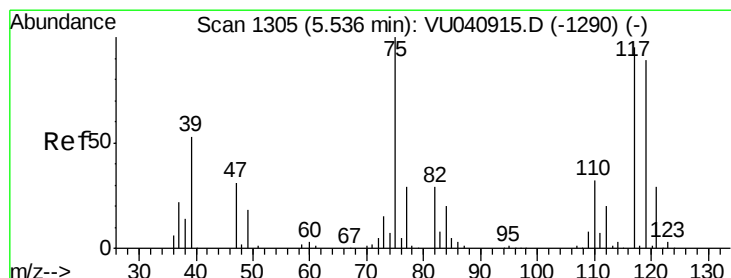
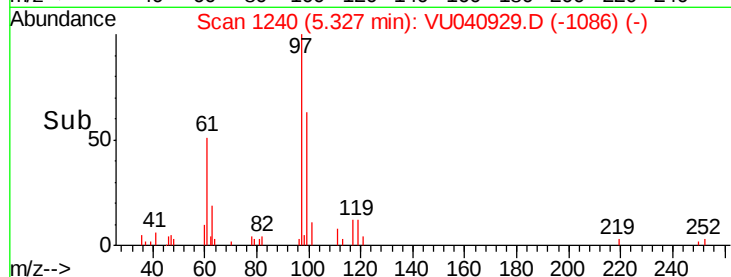
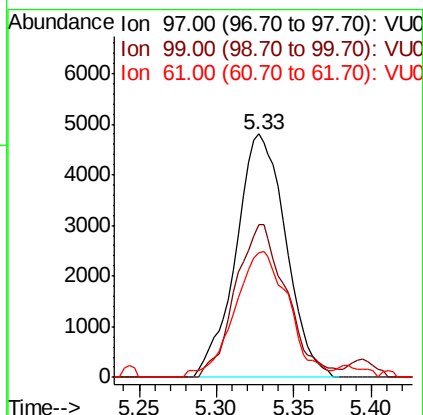
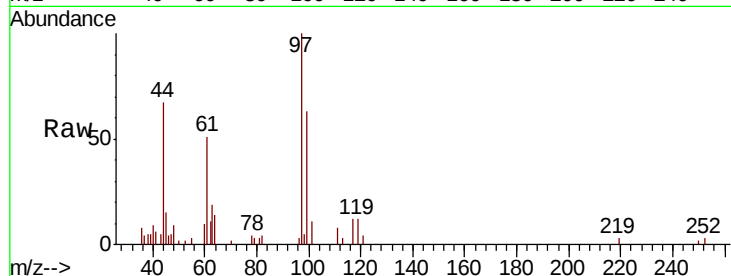




#28
 1,1,1-Trichloroethane
 Concen: 0.393 ug/l
 RT: 5.33 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

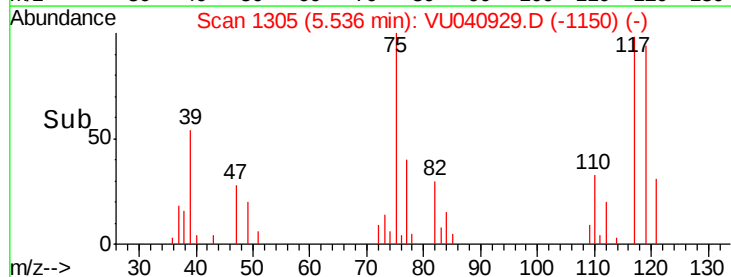
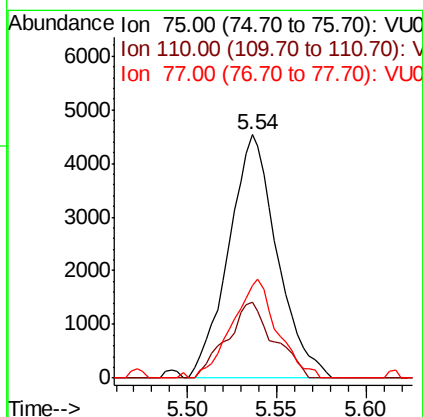
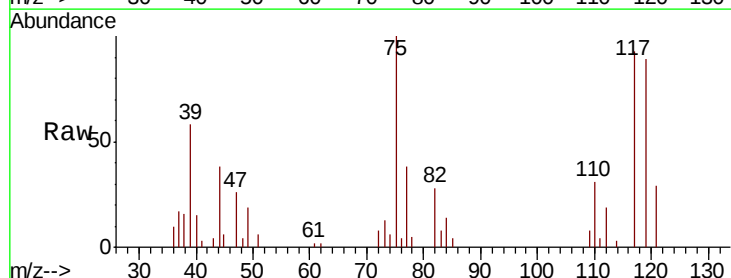
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

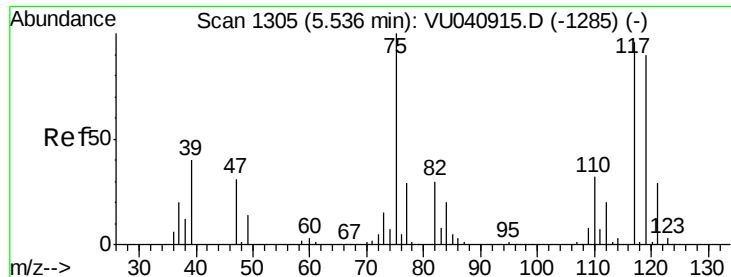
Tot Ion: 97 Resp: 10781
 Ion Ratio Lower Upper
 97 100
 99 64.3 31.4 94.3
 61 55.7 24.7 74.1



#29
 1,1-Dichloropropene
 Concen: 0.357 ug/l
 RT: 5.54 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion: 75 Resp: 8587
 Ion Ratio Lower Upper
 75 100
 110 30.2 15.9 47.6
 77 37.6 24.2 36.2#

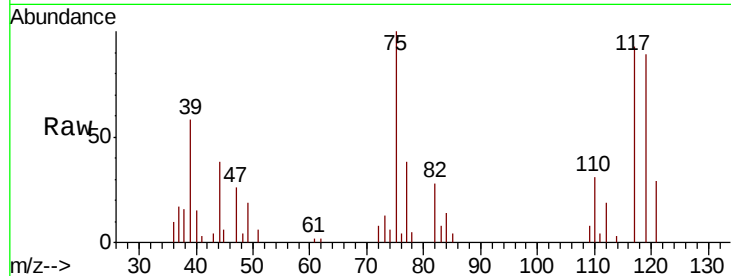




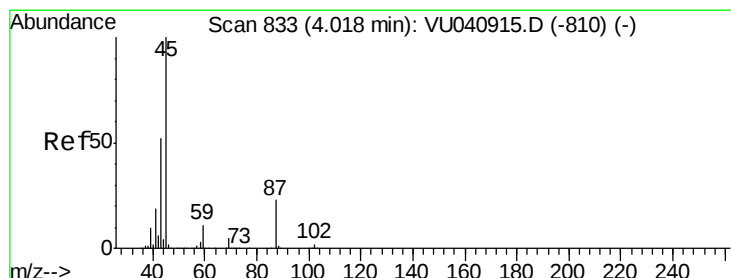
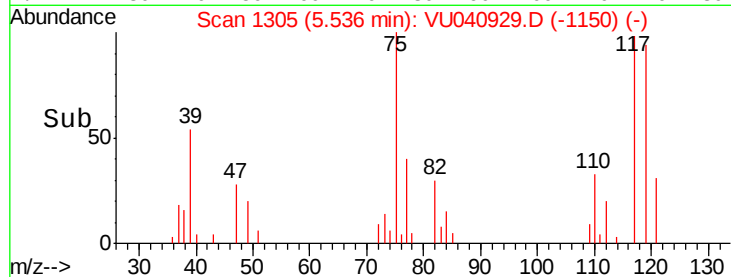
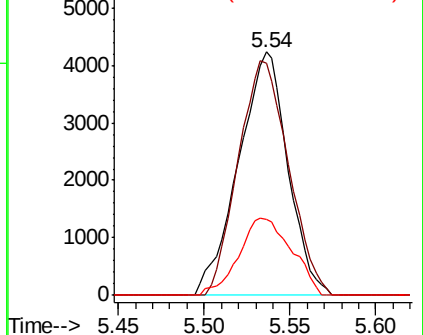
#30
Carbon Tetrachloride
Concen: 0.340 ug/l
RT: 5.54 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion:117 Resp: 8436
Ion Ratio Lower Upper
117 100
119 95.5 74.9 112.3
121 31.4 24.1 36.1

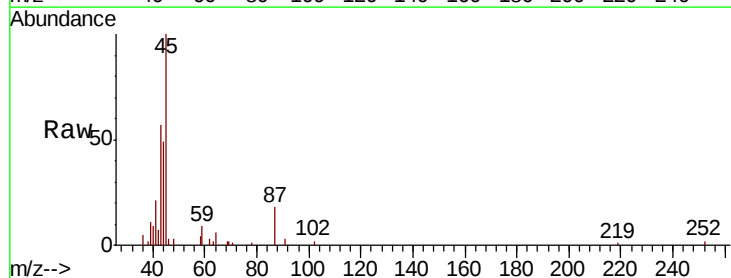


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

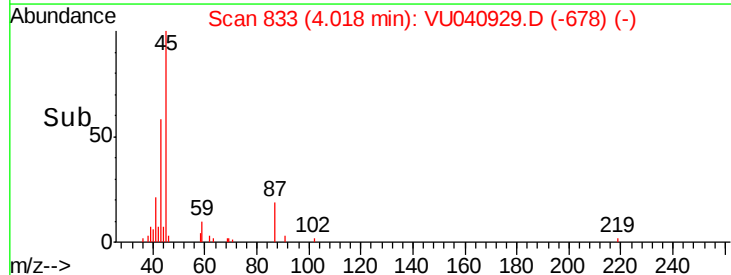
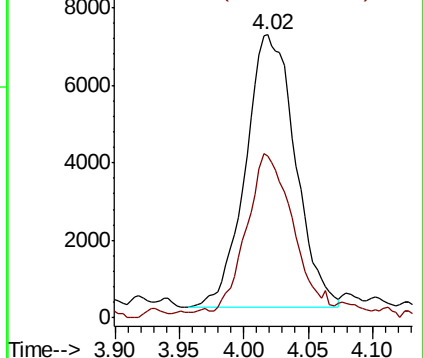


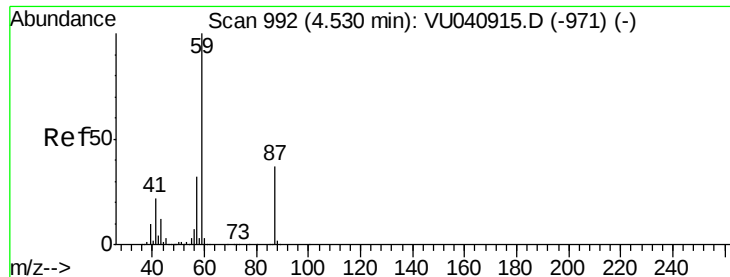
#31
Isopropyl Ether
Concen: 0.368 ug/l
RT: 4.02 min Scan# 833
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 45 Resp: 18923
Ion Ratio Lower Upper
45 100
43 52.5 26.8 80.3



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0





#32

Ethyl-t-butyl ether

Concen: 0.344 ug/l

RT: 4.54 min Scan# 994

Delta R.T. 0.01 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

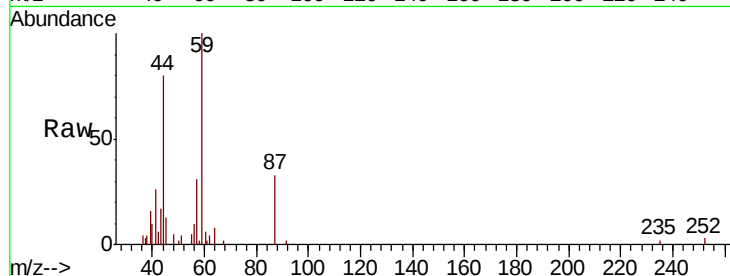
MDL-WATER-03-QT4-2020

Tot Ion: 59 Resp: 15569

Ion Ratio Lower Upper

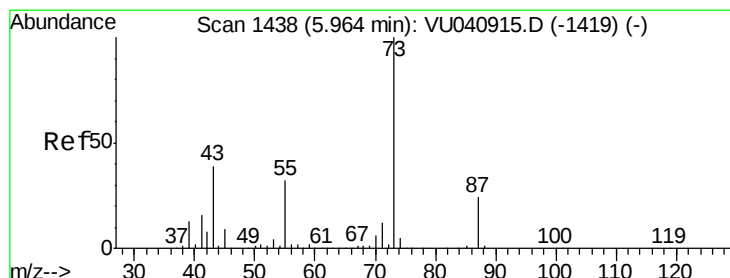
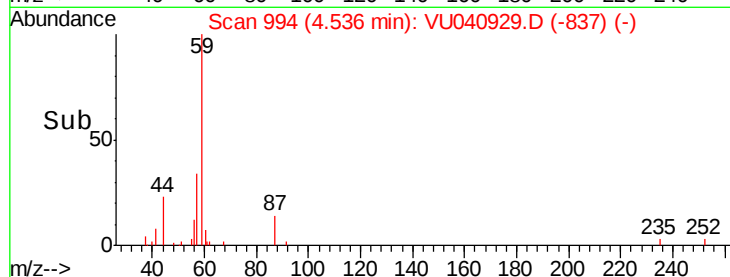
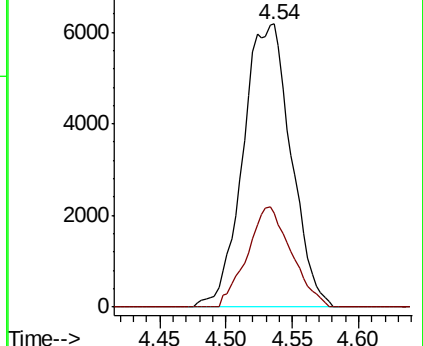
59 100

87 32.6 30.6 46.0



Abundance Ion 59.00 (58.70 to 59.70): VU040929.D (-837) (-)

Ion 87.00 (86.70 to 87.70): VU040929.D (-837) (-)



#33

Tert-Amyl methyl ether

Concen: 0.261 ug/l

RT: 5.96 min Scan# 1438

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

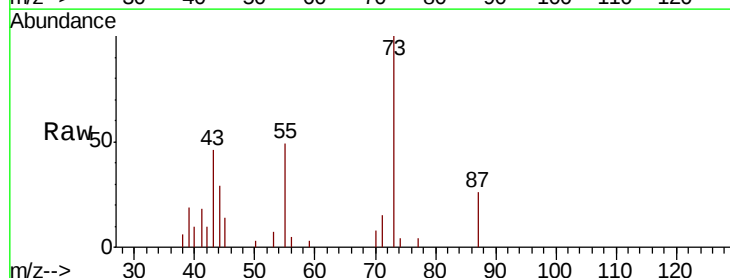
Tgt Ion: 73 Resp: 8802

Ion Ratio Lower Upper

73 100

87 25.2 19.0 28.4

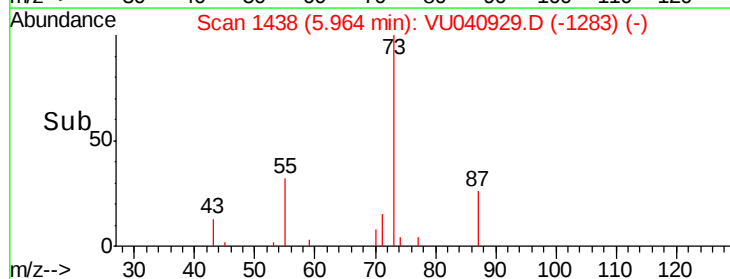
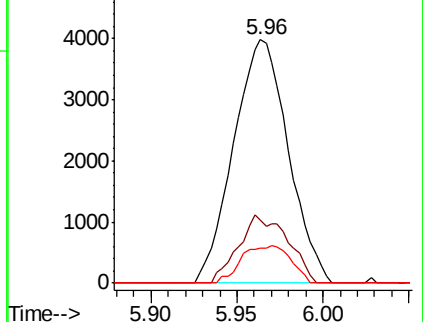
71 13.8 9.7 14.5

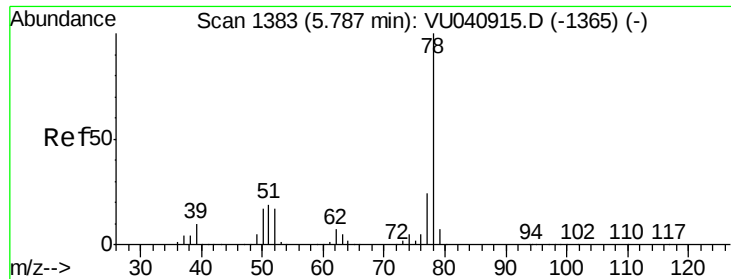


Abundance Ion 73.00 (72.70 to 73.70): VU040929.D (-1283) (-)

Ion 87.00 (86.70 to 87.70): VU040929.D (-1283) (-)

Ion 71.00 (70.70 to 71.70): VU040929.D (-1283) (-)





#35

Benzene

Concen: 0.339 ug/l

RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

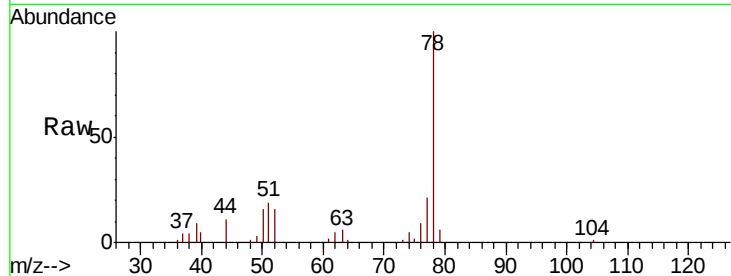
MDL-WATER-03-QT4-2020

Tot Ion: 78 Resp: 22566

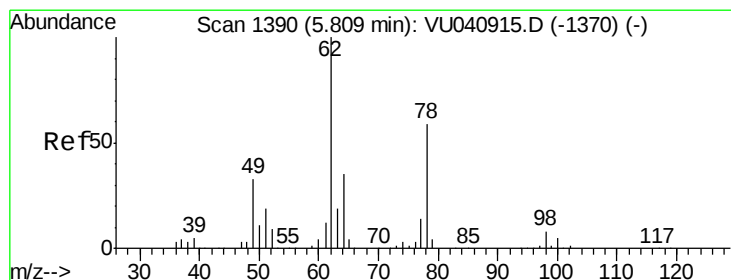
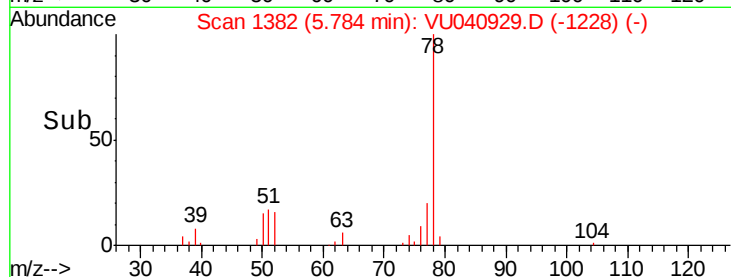
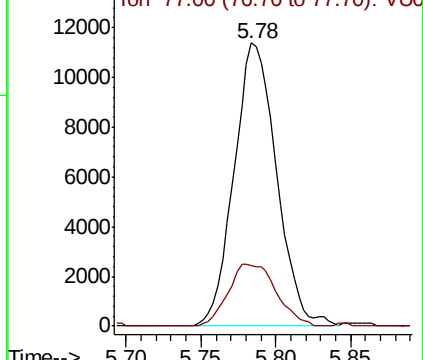
Ion Ratio Lower Upper

78 100

77 21.4 19.4 29.2



Abundance Ion 78.10 (77.80 to 78.80): VU040929.D (-1228) (-)



#36

1,2-Dichloroethane

Concen: 0.360 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040929.D

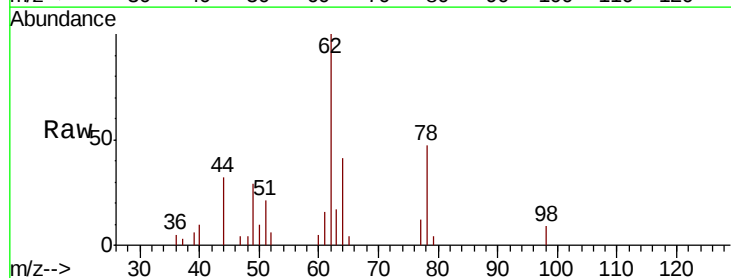
Acq: 23 Oct 2020 11:33

Tgt Ion: 62 Resp: 8896

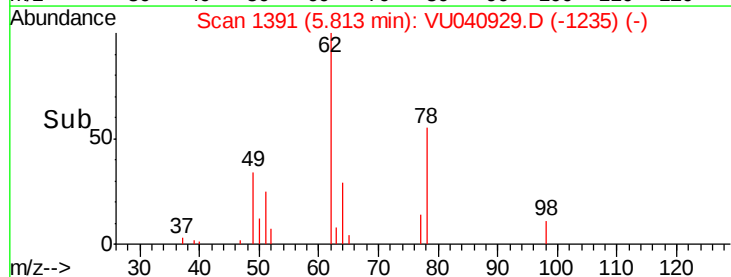
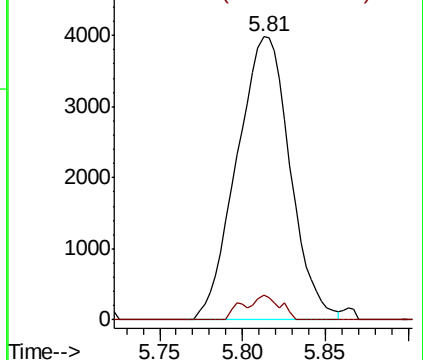
Ion Ratio Lower Upper

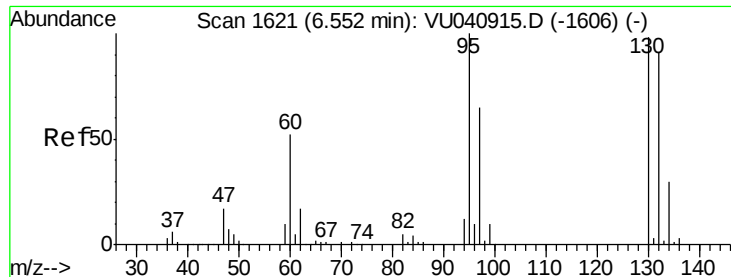
62 100

98 4.2 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VU040929.D (-1235) (-)

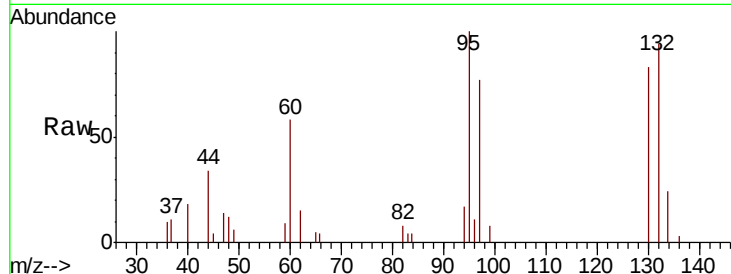




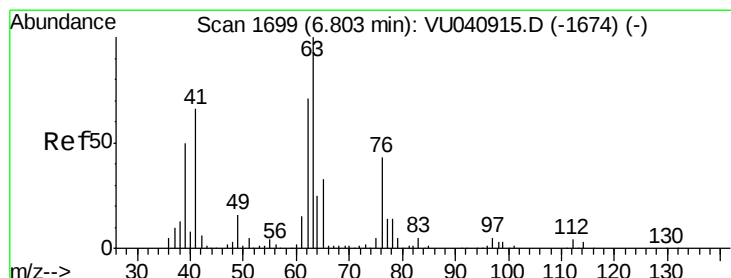
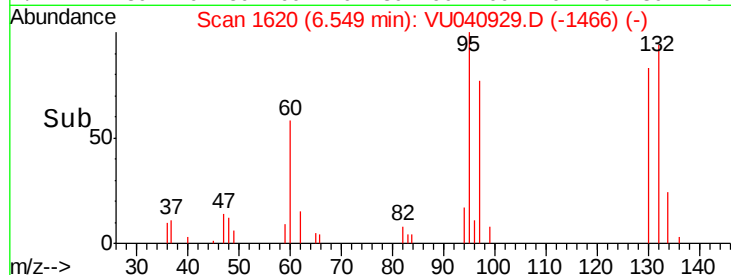
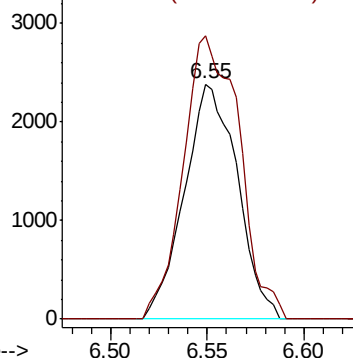
#37
 Trichloroethene
 Concen: 0.288 ug/l
 RT: 6.55 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

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

Tot Ion:130 Resp: 4534
 Ion Ratio Lower Upper
 130 100
 95 120.5 81.9 122.9

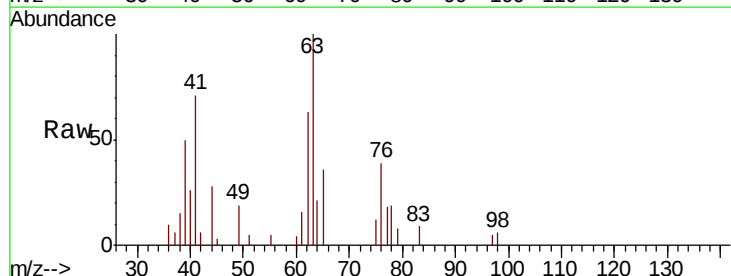


Abundance Ion 129.90 (129.60 to 130.60): VU040929.D (-1466) (-)
 Ion 94.90 (94.60 to 95.60): VU040929.D (-1466) (-)

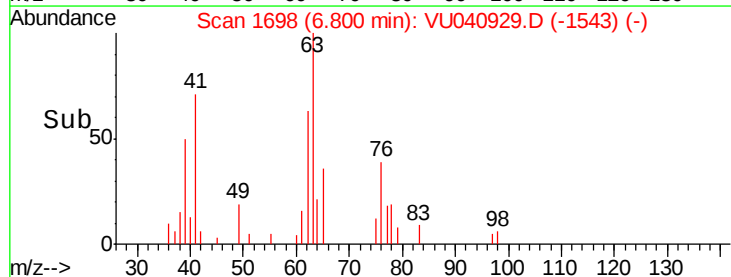
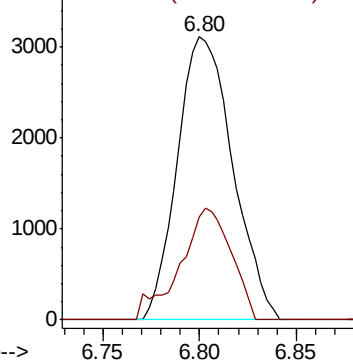


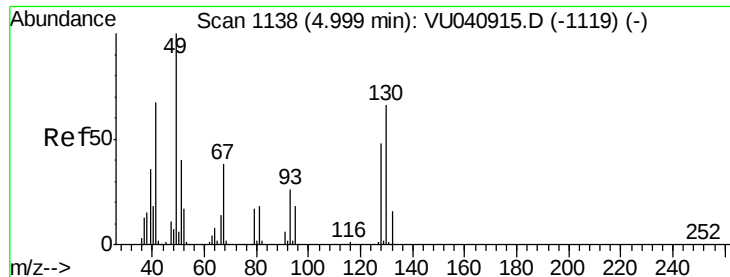
#38
 1,2-Dichloropropane
 Concen: 0.328 ug/l
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion: 63 Resp: 6204
 Ion Ratio Lower Upper
 63 100
 65 36.3 26.2 39.2



Abundance Ion 63.00 (62.70 to 63.70): VU040929.D (-1543) (-)
 Ion 65.00 (64.70 to 65.70): VU040929.D (-1543) (-)

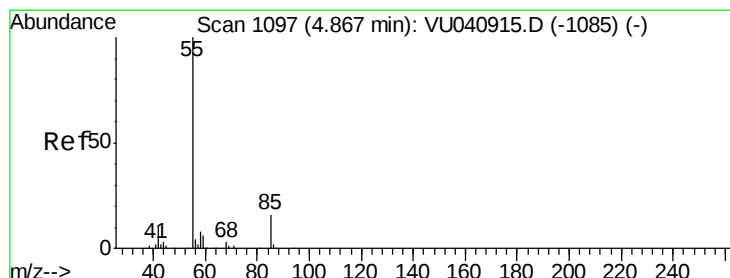
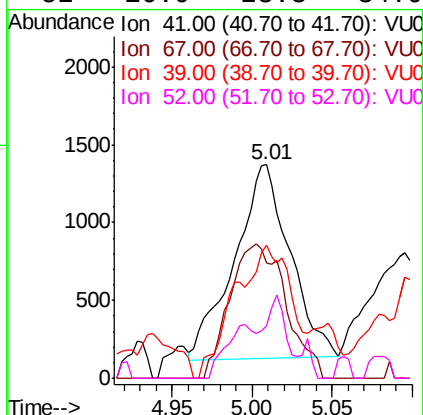
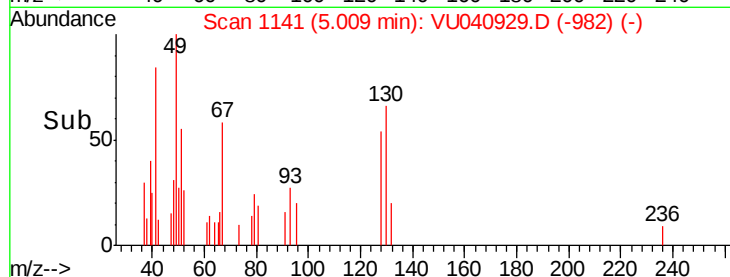
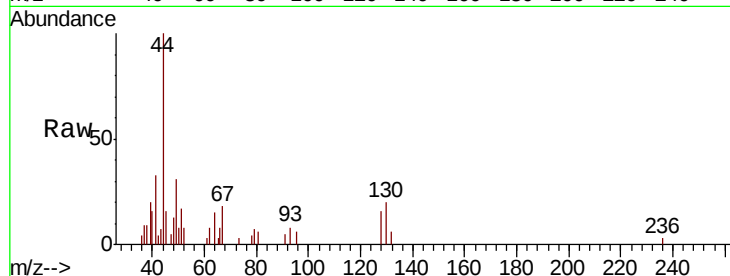




#39
Methacrylonitrile
Concen: 0.336 ug/l
RT: 5.01 min Scan# 1141
Delta R.T. 0.01 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

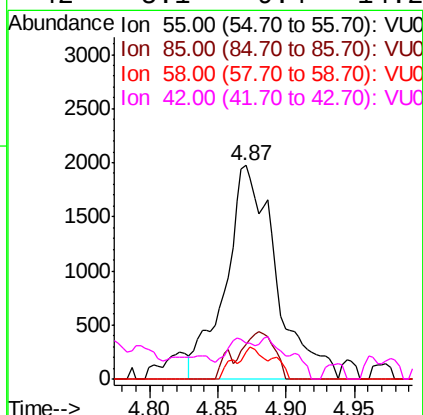
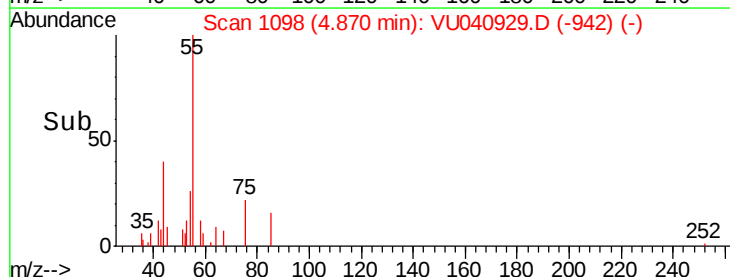
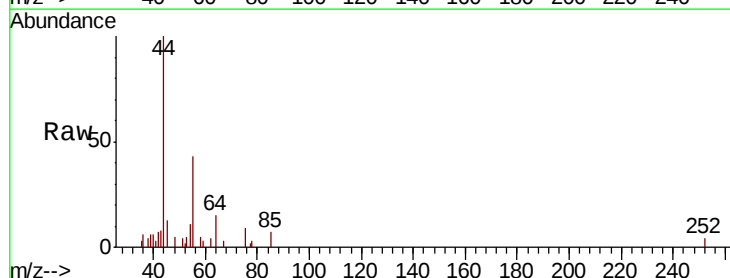
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

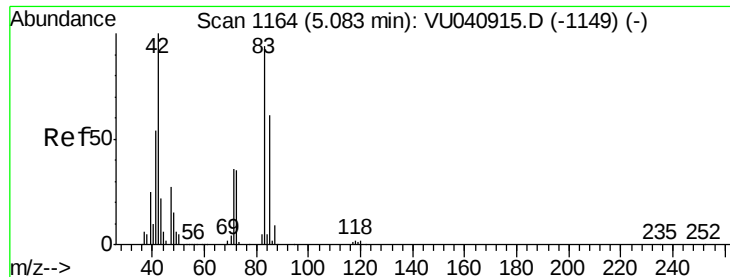
Tot Ion: 41 Resp: 2965
Ion Ratio Lower Upper
41 100
67 70.0 48.7 73.1
39 70.8 44.6 67.0#
52 16.9 23.3 34.9#



#40
Methyl acrylate
Concen: 0.420 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 55 Resp: 5081
Ion Ratio Lower Upper
55 100
85 13.4 12.2 18.2
58 8.2 6.8 10.2
42 5.1 9.4 14.2#





#41

Tetrahydrofuran

Concen: 0.726 ug/l

RT: 5.11 min Scan# 1171

Delta R.T. 0.02 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

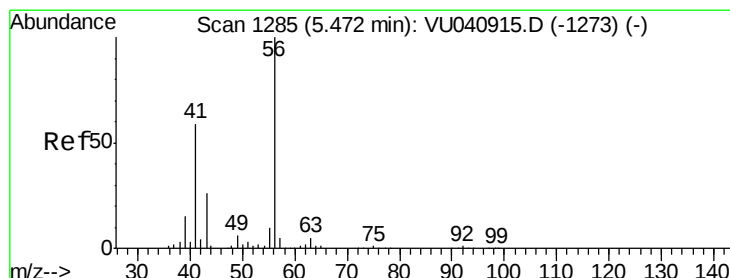
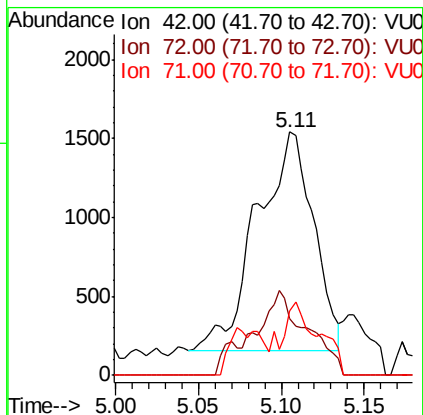
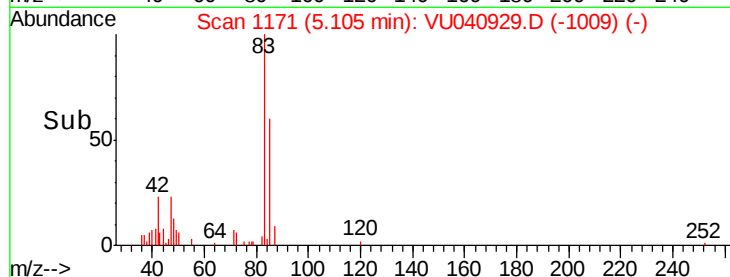
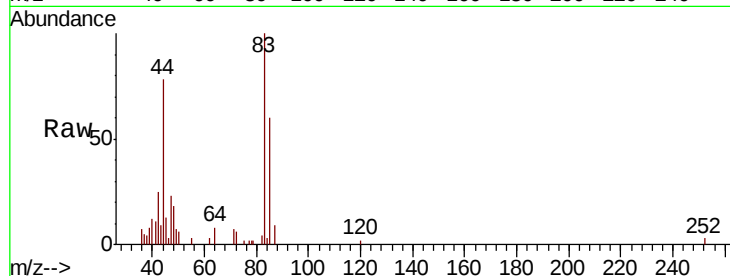
Tot Ion: 42 Resp: 3300

Ion Ratio Lower Upper

42 100

72 33.1 30.1 45.1

71 21.4 27.9 41.9#



#42

1-Chlorobutane

Concen: 0.369 ug/l

RT: 5.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VU040929.D

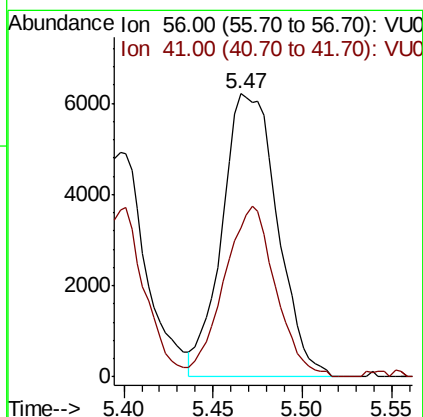
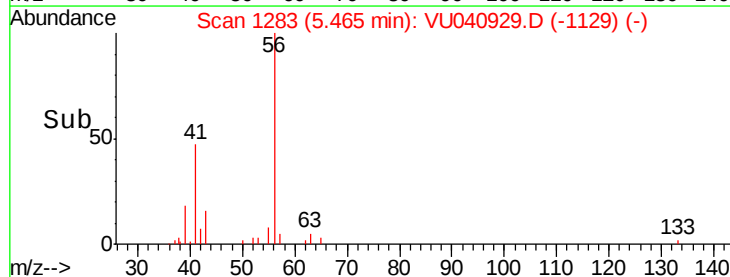
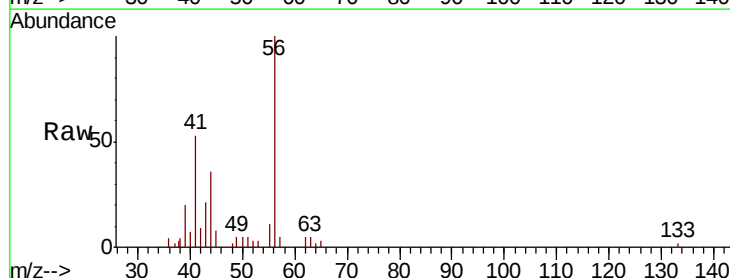
Acq: 23 Oct 2020 11:33

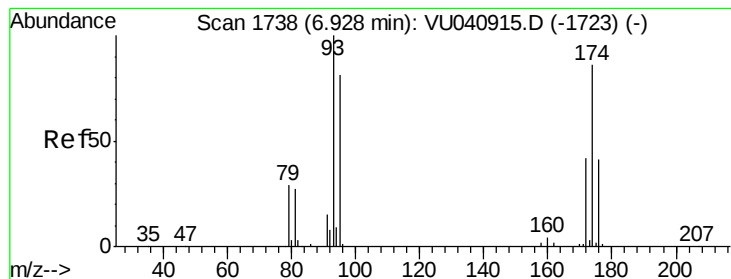
Tgt Ion: 56 Resp: 13390

Ion Ratio Lower Upper

56 100

41 56.3 29.6 88.8





#43

Dibromomethane

Concen: 0.296 ug/l

RT: 6.93 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

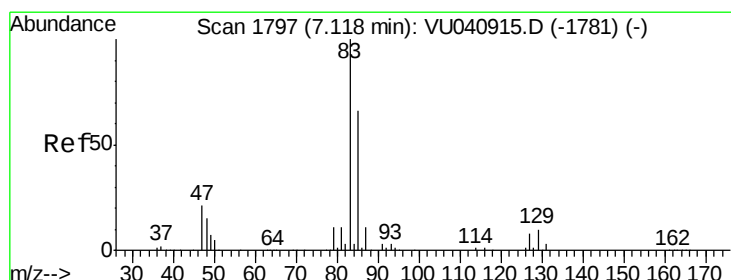
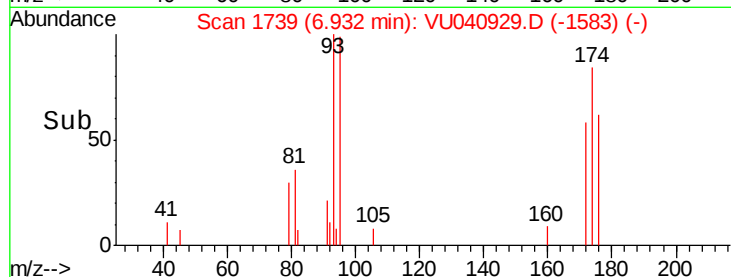
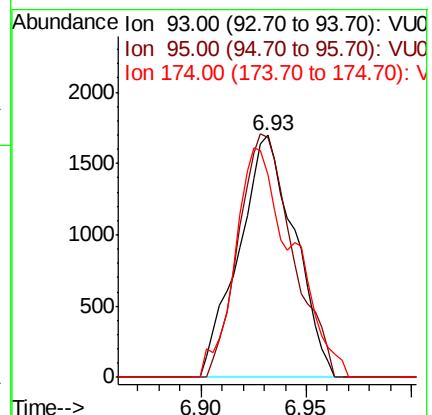
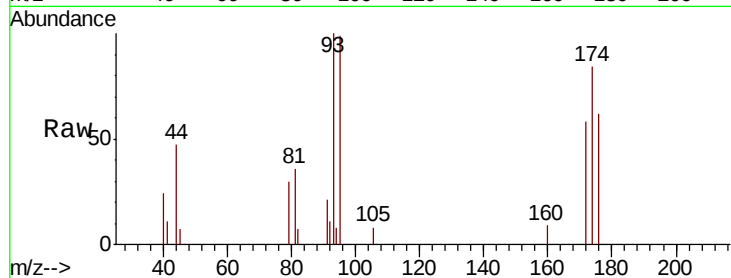
Tot Ion: 93 Resp: 3129

Ion Ratio Lower Upper

93 100

95 97.3 66.3 99.5

174 97.9 70.4 105.6



#44

Bromodichloromethane

Concen: 0.337 ug/l

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

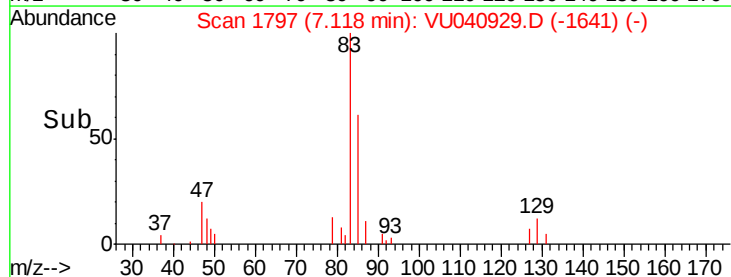
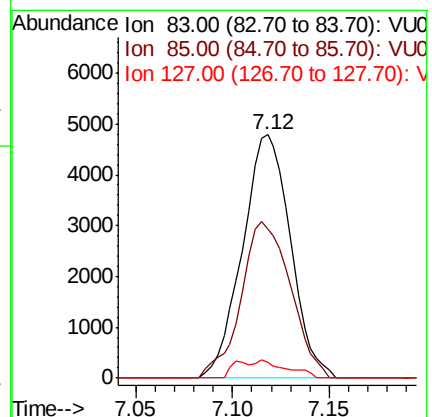
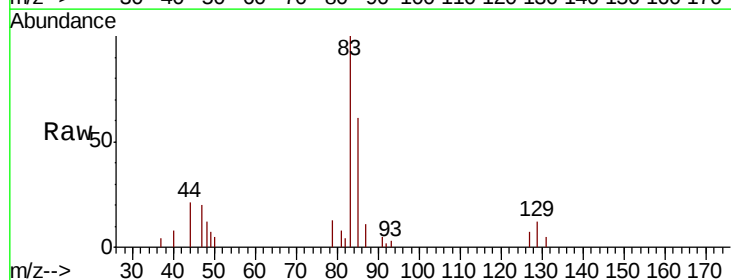
Tgt Ion: 83 Resp: 8275

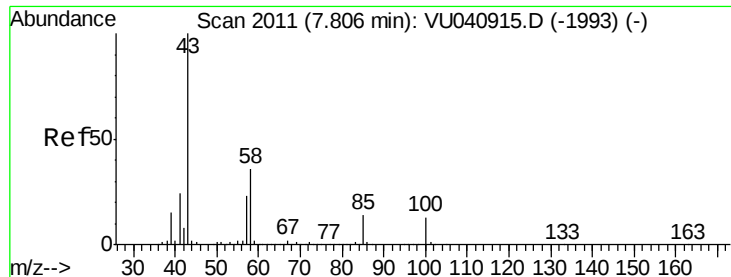
Ion Ratio Lower Upper

83 100

85 61.4 52.6 78.8

127 6.7 6.4 9.6

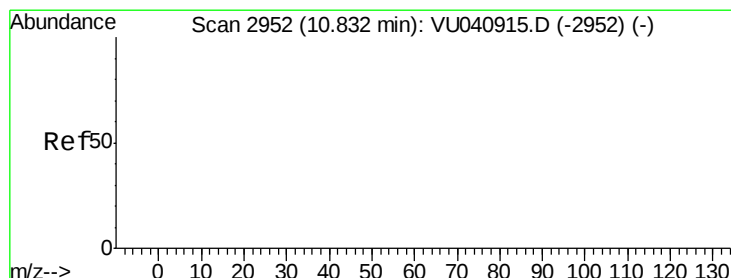
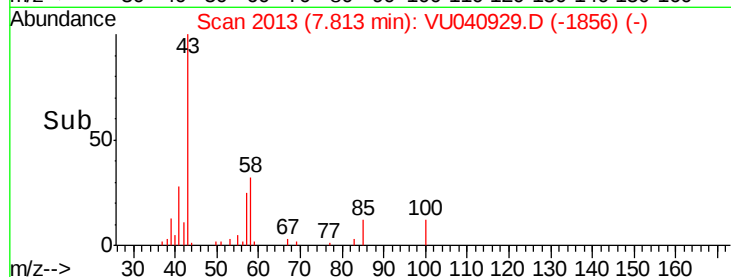
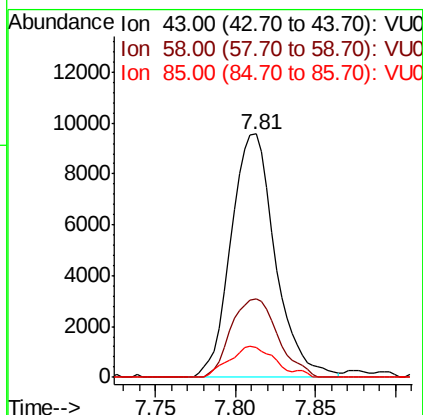
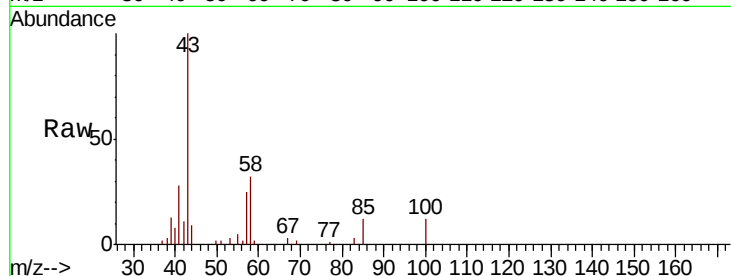




#45
4-Methyl-2-Pentanone
Concen: 1.296 ug/l
RT: 7.81 min Scan# 2013
Delta R.T. 0.01 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

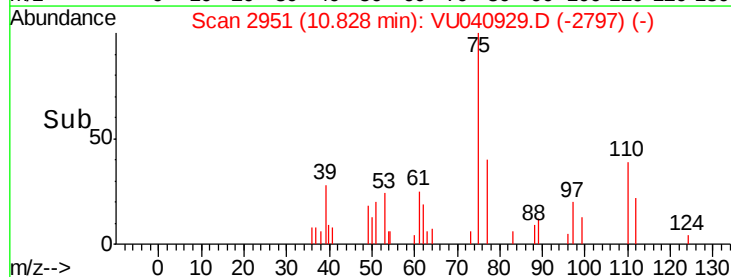
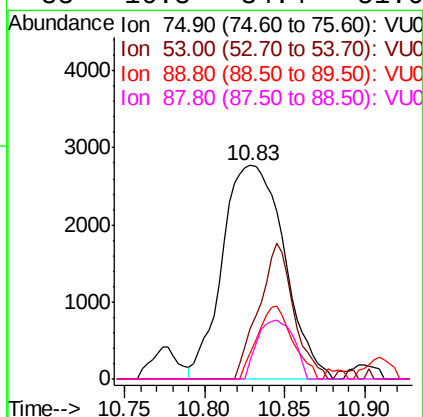
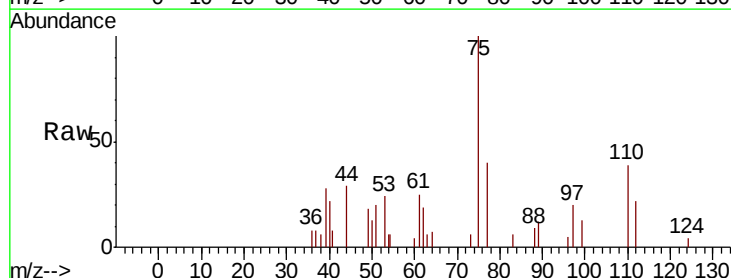
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

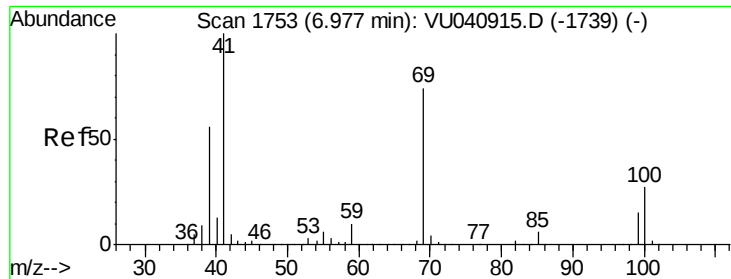
Tot Ion	Ratio	Lower	Upper
43	100		
58	34.4	17.8	53.5
85	12.8	11.4	17.2



#46
t-1,4-Dichloro-2-butene
Concen: 1.334 ug/l
RT: 10.83 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
53	35.8	73.0	109.4#
89	19.4	41.7	62.5#
88	16.3	34.4	51.6#

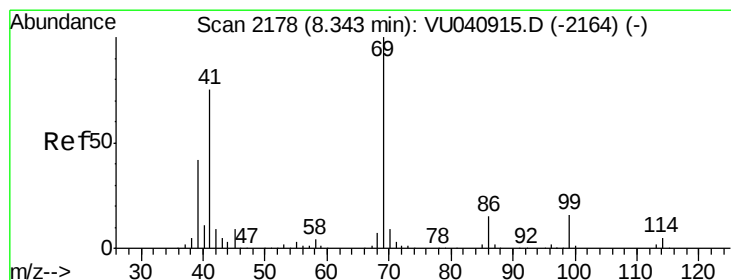
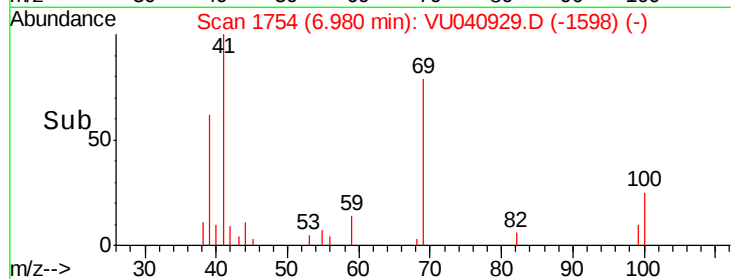
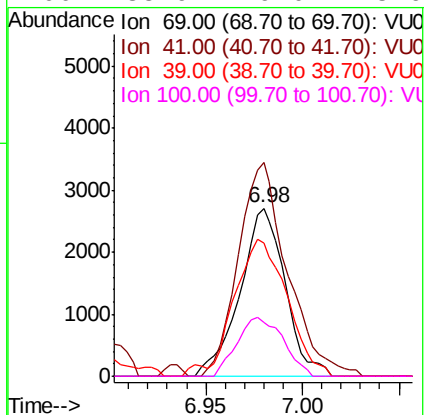
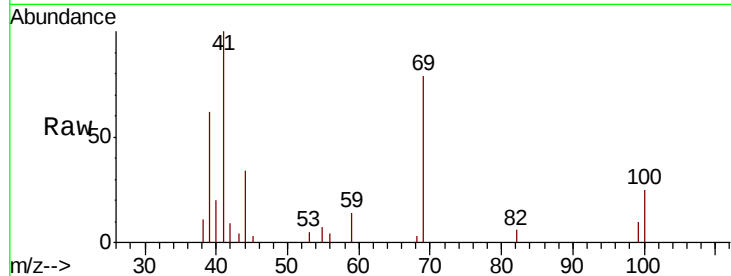




#47
Methvl methacrylate
Concen: 0.495 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

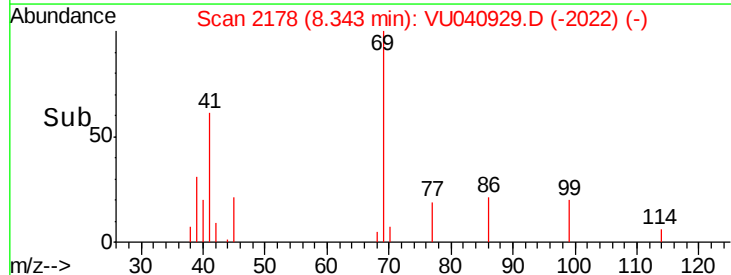
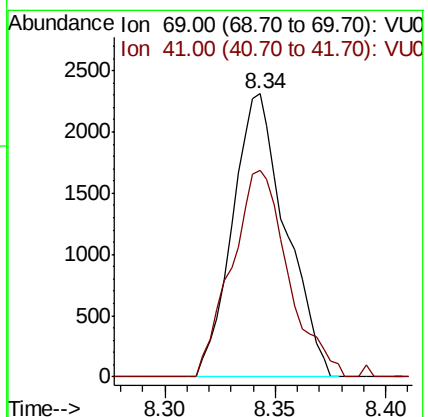
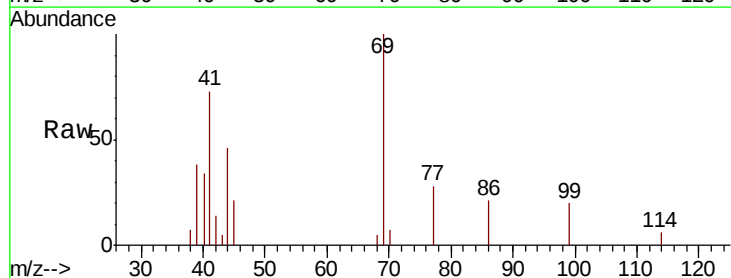
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

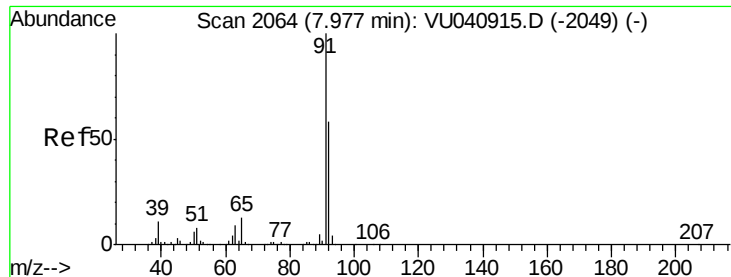
Tot Ion: 69 Resp: 4377
Ion Ratio Lower Upper
69 100
41 138.9 0.0 270.2
39 96.0 61.6 92.4#
100 35.9 29.0 43.6



#48
Ethyl methacrylate
Concen: 0.261 ug/l
RT: 8.34 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 69 Resp: 3875
Ion Ratio Lower Upper
69 100
41 77.5 37.6 112.9





#49

Toluene

Concen: 0.271 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

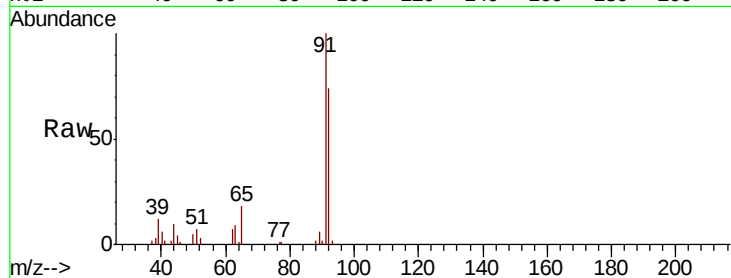
MDL-WATER-03-QT4-2020

Tot Ion: 92 Resp: 9927

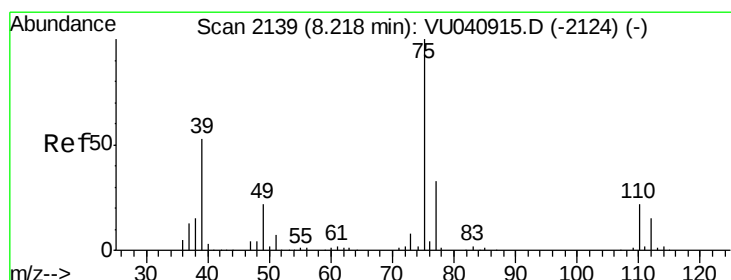
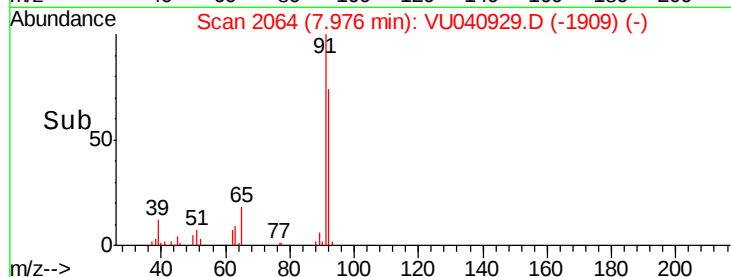
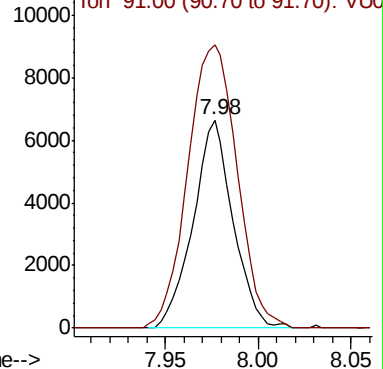
Ion Ratio Lower Upper

92 100

91 167.9 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VU040929.D (-1909) (-)



#50

t-1,3-Dichloropropene

Concen: 0.263 ug/l

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040929.D

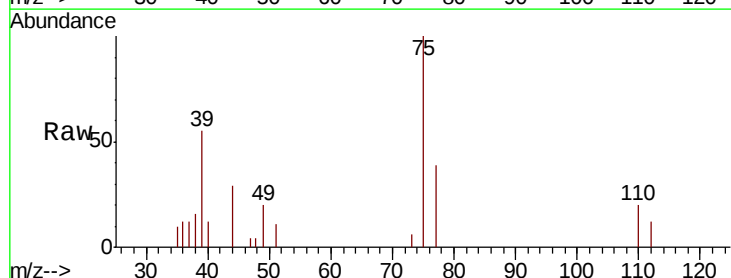
Acq: 23 Oct 2020 11:33

Tgt Ion: 75 Resp: 5584

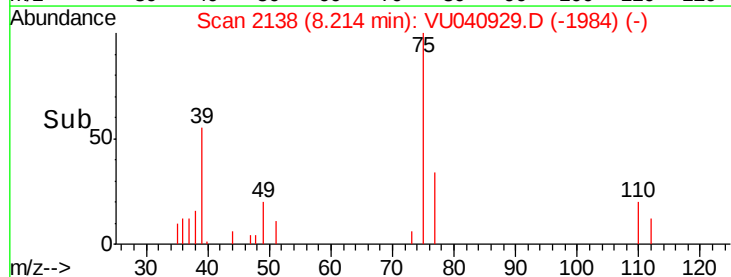
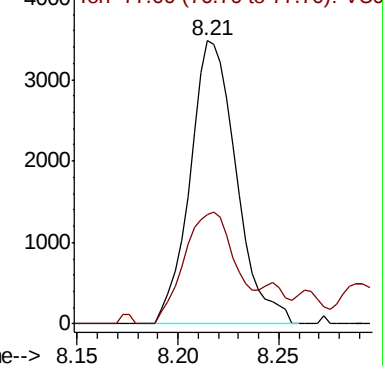
Ion Ratio Lower Upper

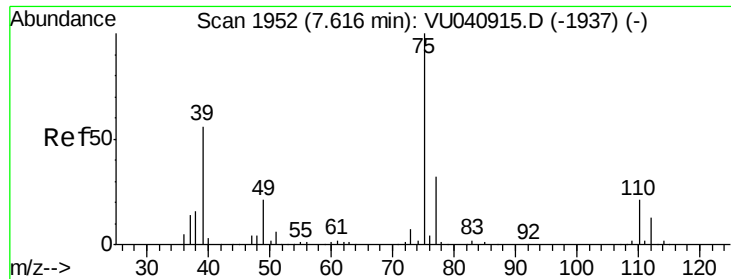
75 100

77 38.7 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU040929.D (-1984) (-)



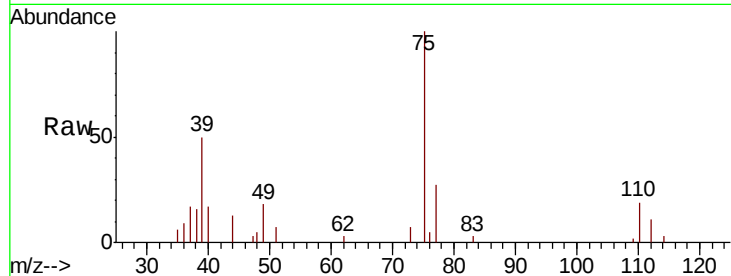


#51

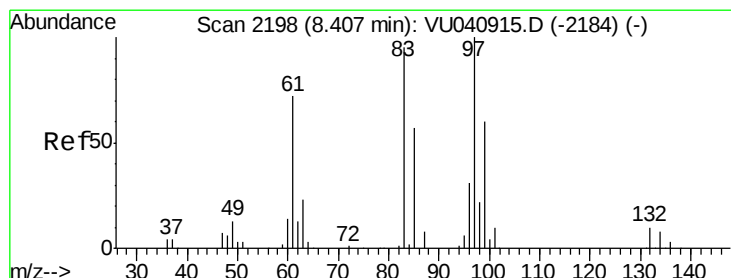
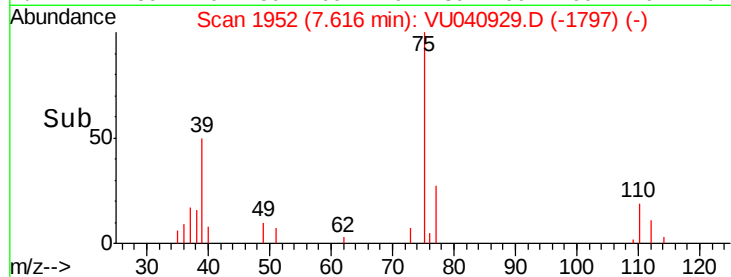
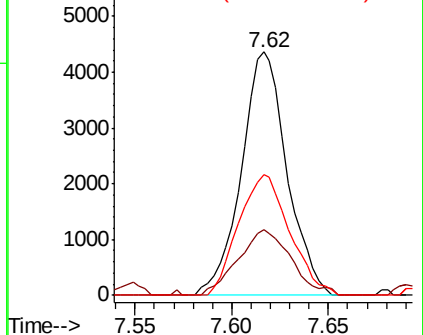
cis-1,3-Dichloropropene
 Concen: 0.307 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

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

Tot Ion: 75 Resp: 7159
 Ion Ratio Lower Upper
 75 100
 77 26.8 25.4 38.0
 39 49.6 44.7 67.1



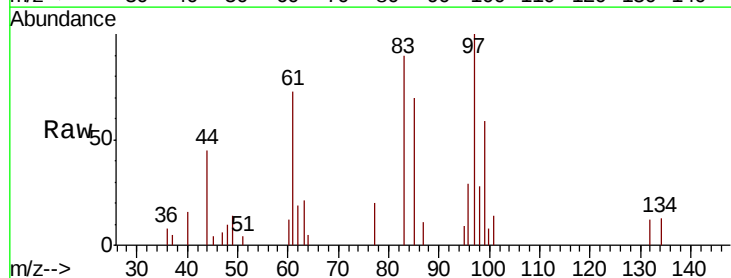
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0



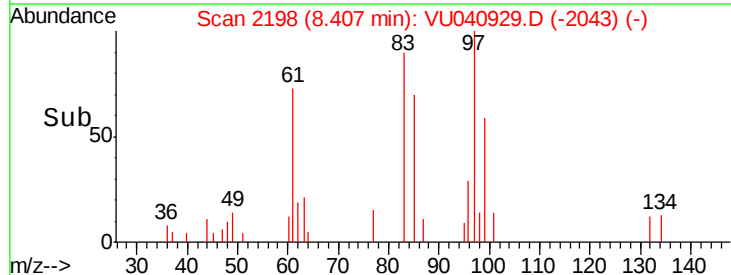
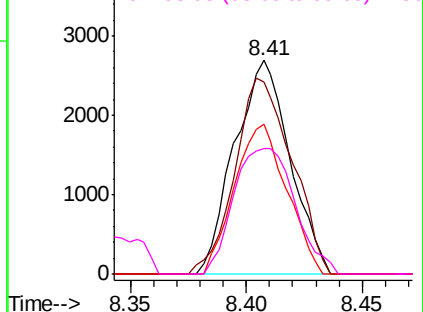
#52

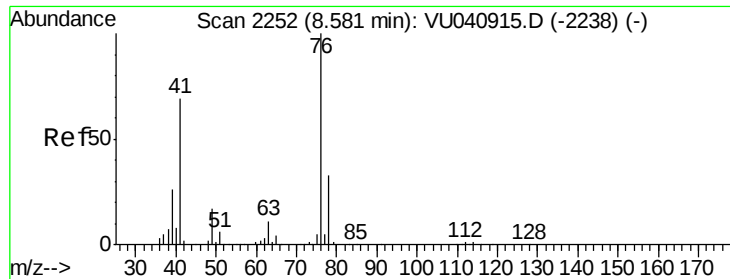
1,1,2-Trichloroethane
 Concen: 0.333 ug/l
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion: 97 Resp: 4464
 Ion Ratio Lower Upper
 97 100
 83 89.9 75.9 113.9
 85 69.9 46.1 69.1#
 99 58.9 50.0 75.0



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

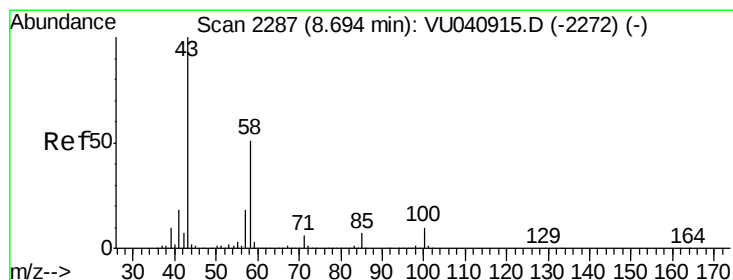
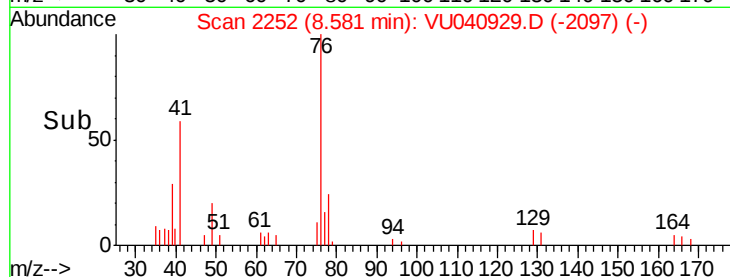
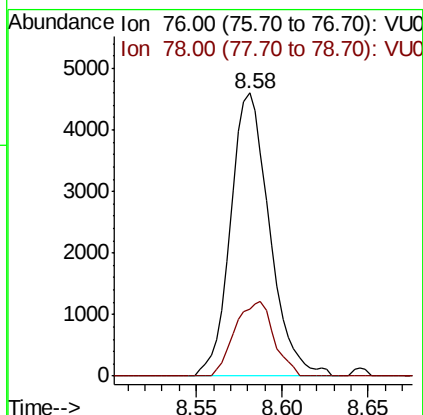
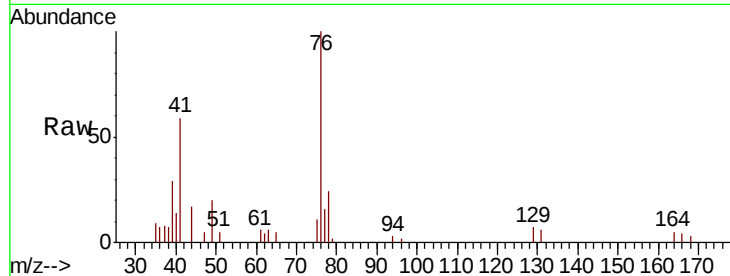




#53
 1,3-Dichloropropane
 Concen: 0.302 ug/l
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

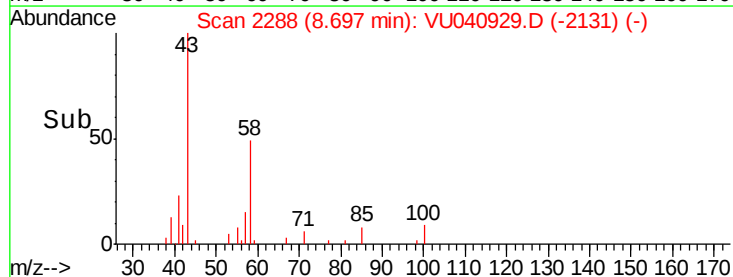
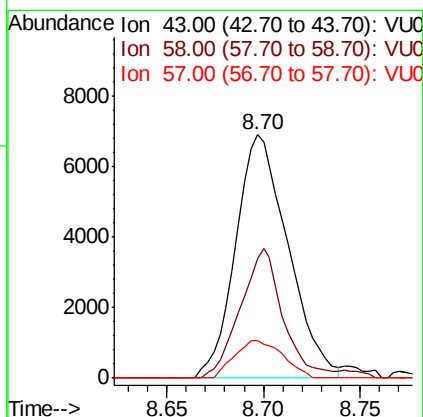
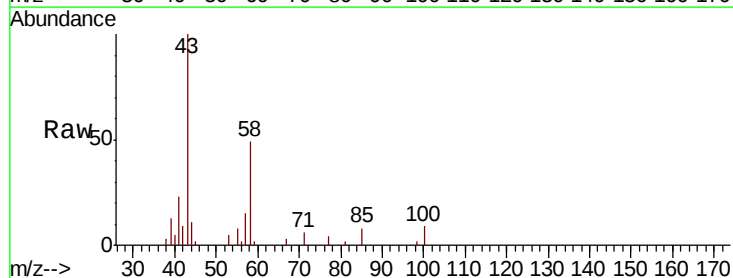
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

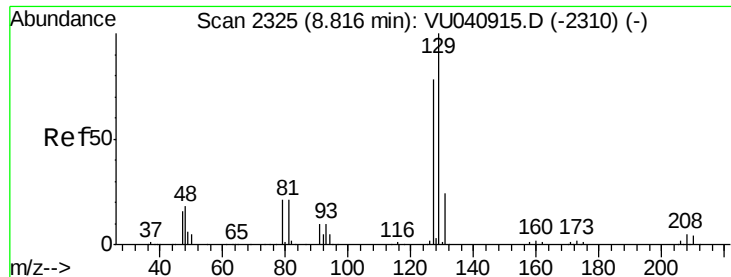
Tot Ion: 76 Resp: 7261
 Ion Ratio Lower Upper
 76 100
 78 26.1 26.6 39.8#



#54
 2-Hexanone
 Concen: 1.339 ug/l
 RT: 8.70 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion: 43 Resp: 13007
 Ion Ratio Lower Upper
 43 100
 58 43.6 30.2 70.2
 57 14.2 0.0 37.4





#55

Dibromochloromethane

Concen: 0.289 ug/l

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

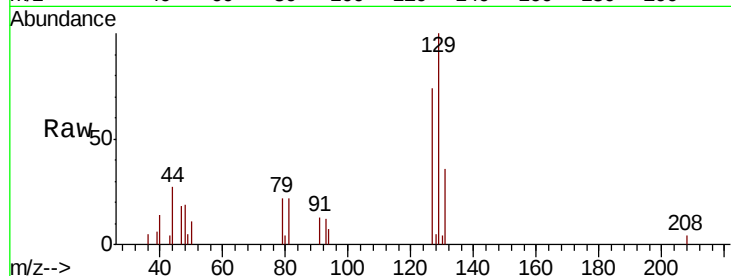
MDL-WATER-03-QT4-2020

Tot Ion:129 Resp: 4642

Ion Ratio Lower Upper

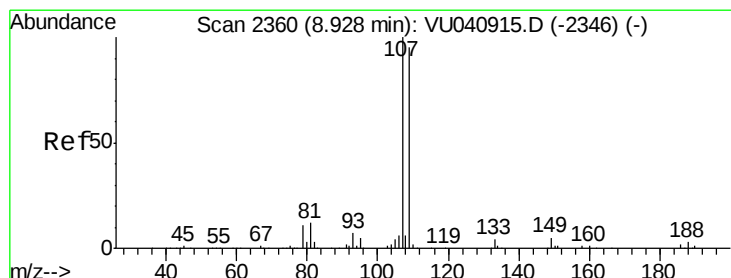
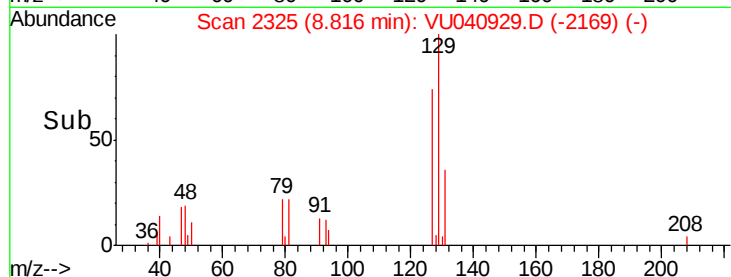
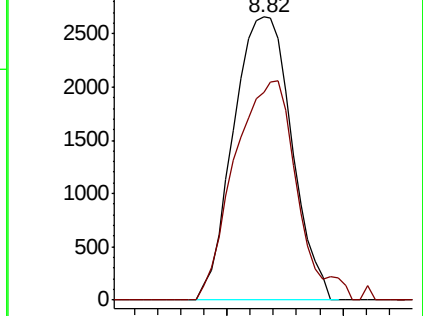
129 100

127 82.9 63.1 94.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.330 ug/l

RT: 8.93 min Scan# 2359

Delta R.T. -0.00 min

Lab File: VU040929.D

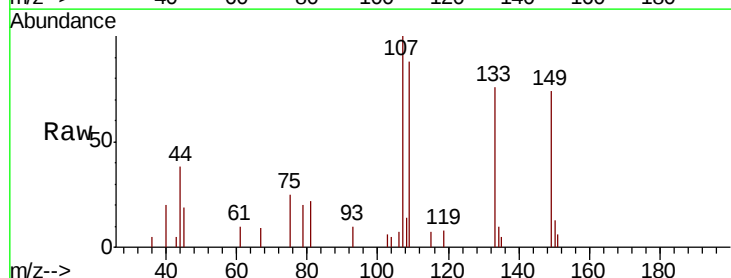
Acq: 23 Oct 2020 11:33

Tgt Ion:107 Resp: 4099

Ion Ratio Lower Upper

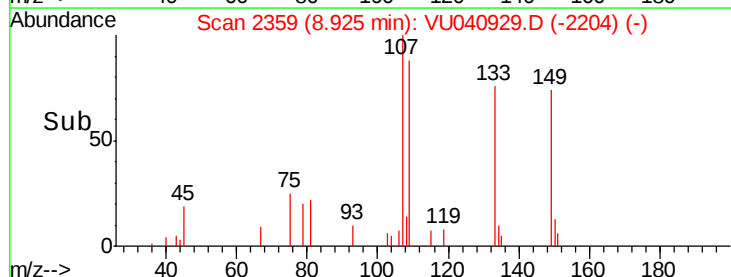
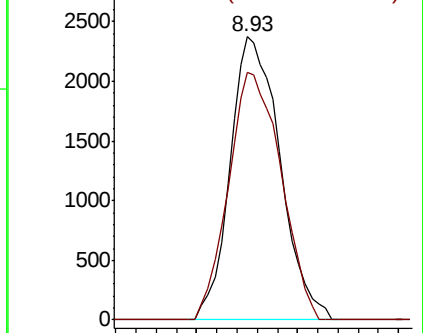
107 100

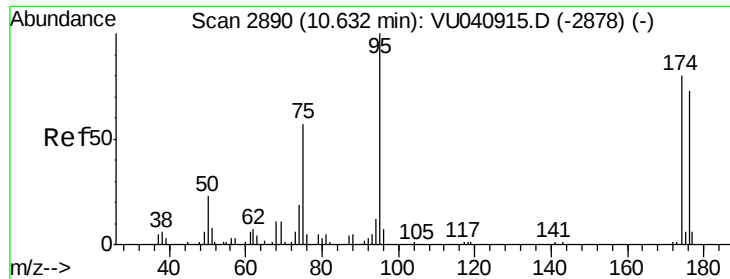
109 92.0 0.0 190.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

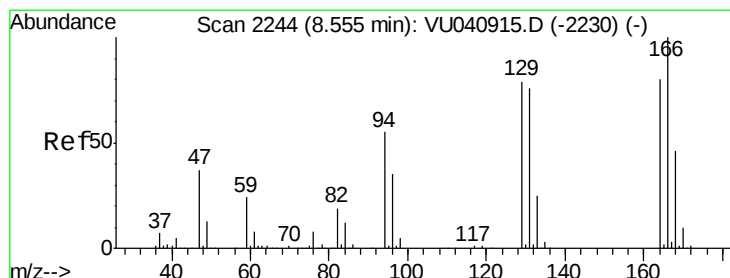
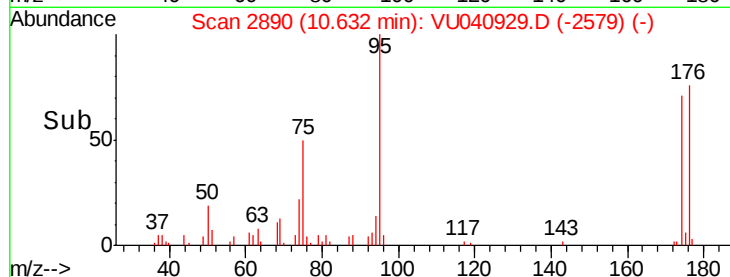
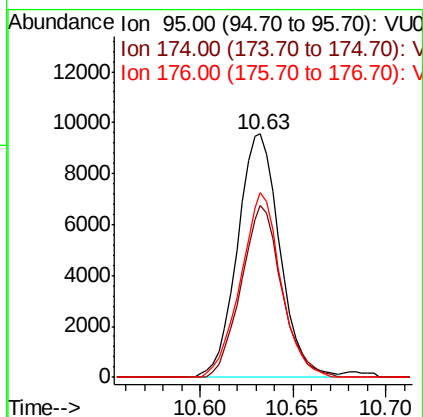
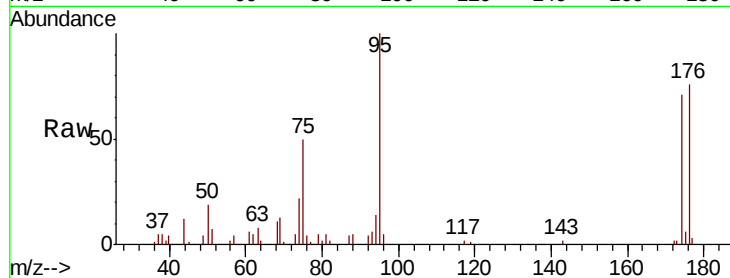




#57
4-Bromofluorobenzene
Concen: 0.801 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

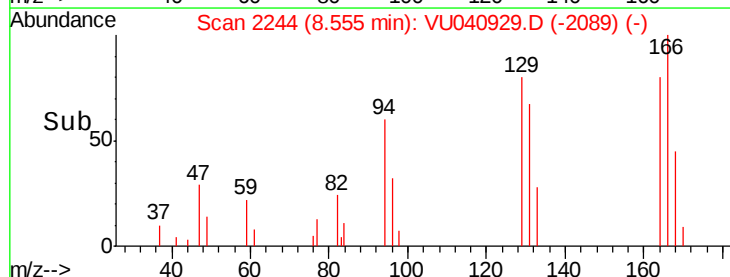
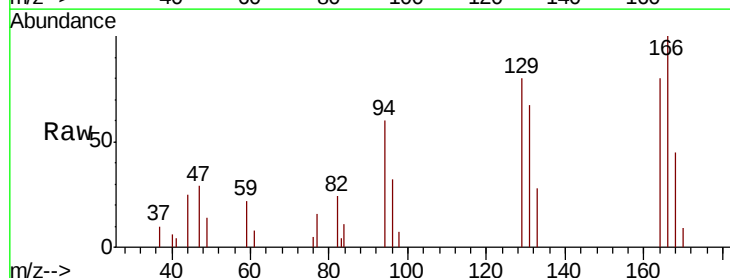
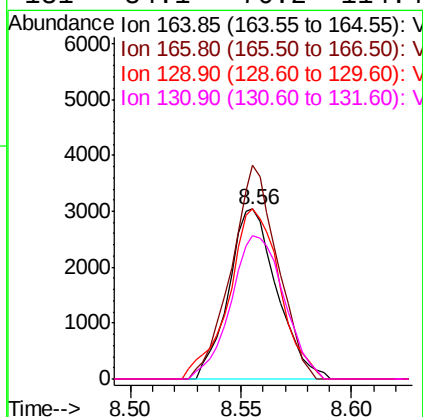
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

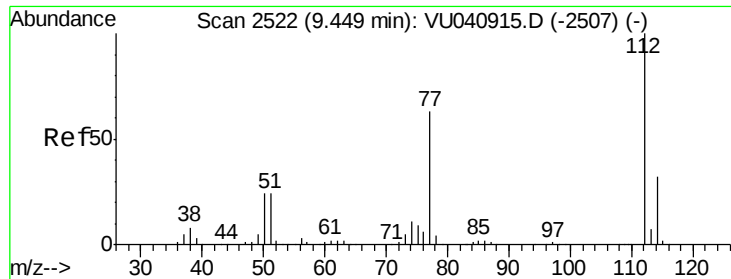
Tot Ion: 95 Resp: 15185
Ion Ratio Lower Upper
95 100
174 67.9 60.3 90.5
176 72.1 55.6 83.4



#58
Tetrachloroethene
Concen: 0.313 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 164 Resp: 4608
Ion Ratio Lower Upper
164 100
166 125.5 100.3 150.5
129 100.2 79.4 119.0
131 84.1 76.2 114.4





#59

Chlorobenzene

Concen: 0.296 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

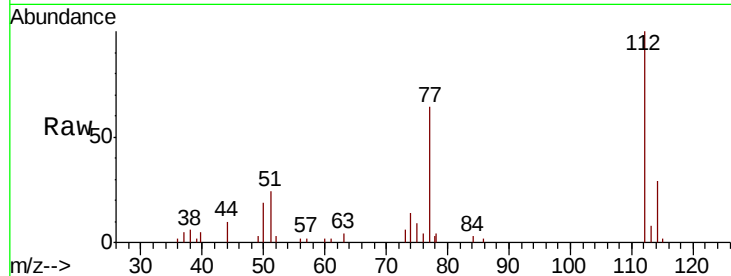
MDL-WATER-03-QT4-2020

Tot Ion:112 Resp: 11461

Ion Ratio Lower Upper

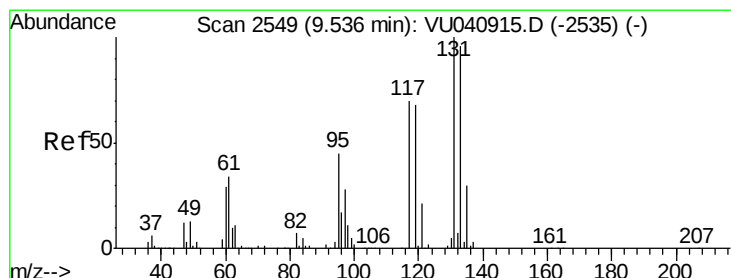
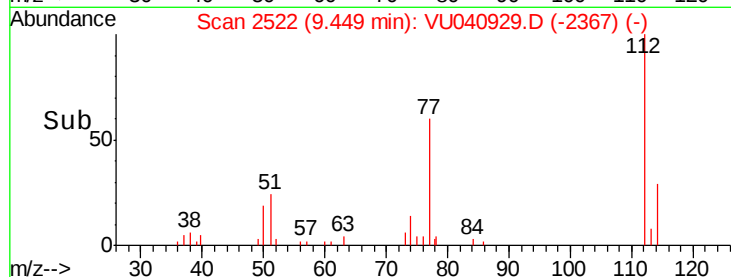
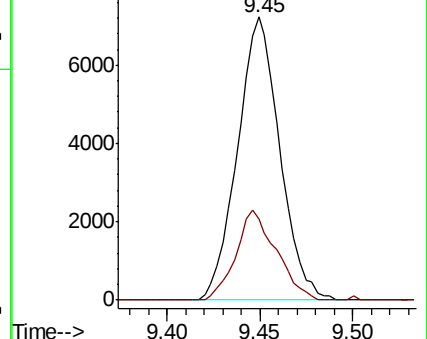
112 100

114 28.9 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: 0.325 ug/l

RT: 9.54 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

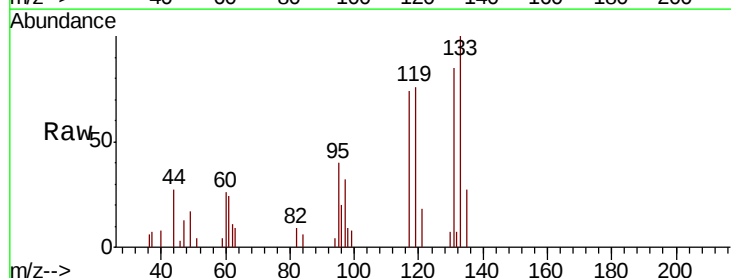
Tgt Ion:131 Resp: 4951

Ion Ratio Lower Upper

131 100

133 103.6 77.4 116.0

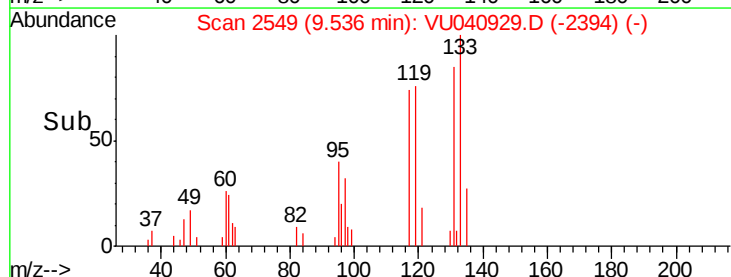
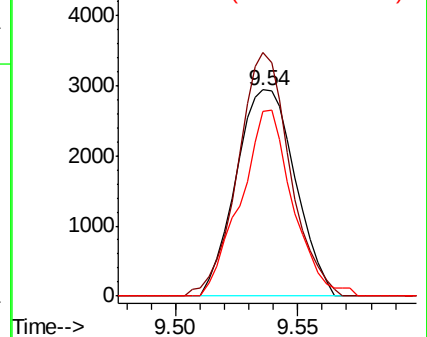
119 79.1 53.5 80.3

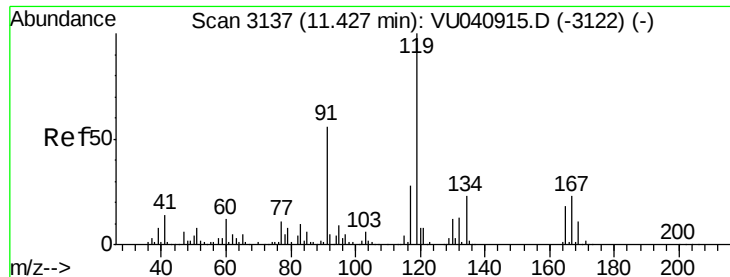


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

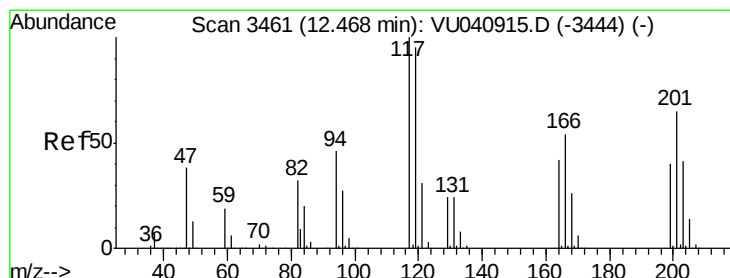
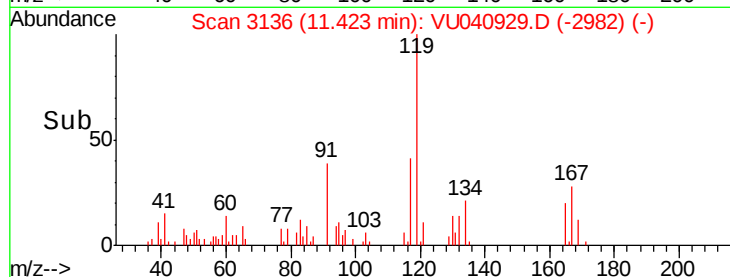
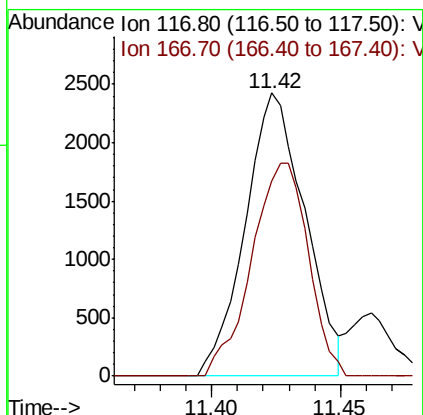
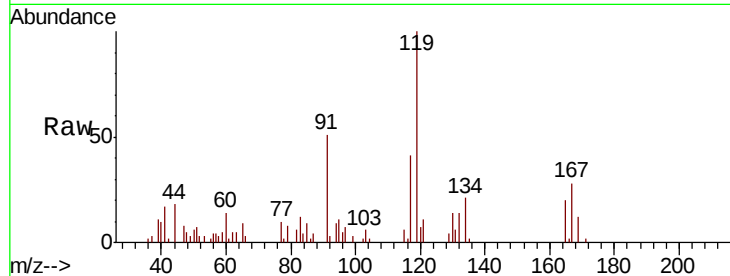




#61
 Pentachloroethane
 Concen: 0.319 ug/l
 RT: 11.42 min Scan# 3136
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

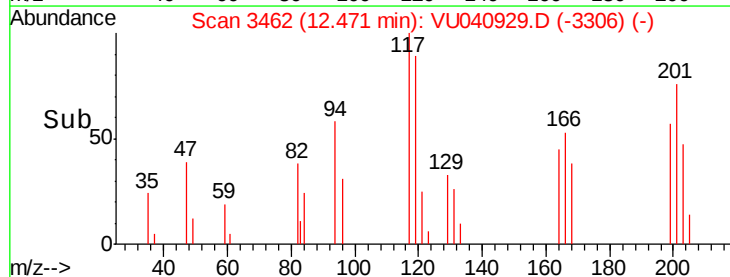
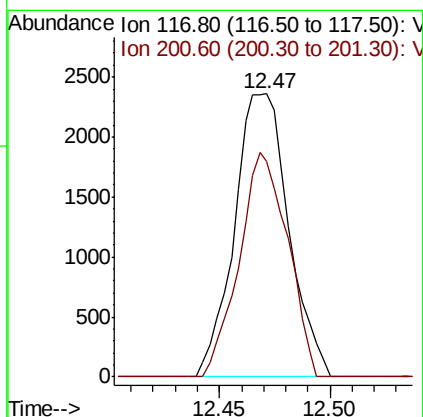
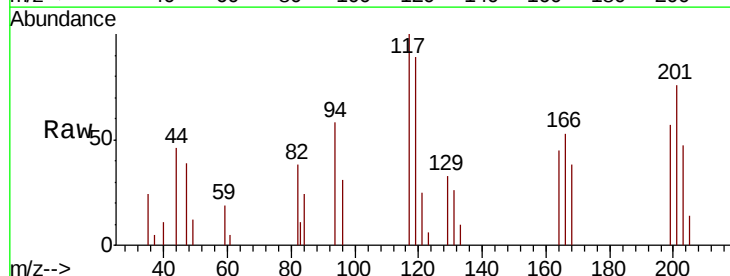
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

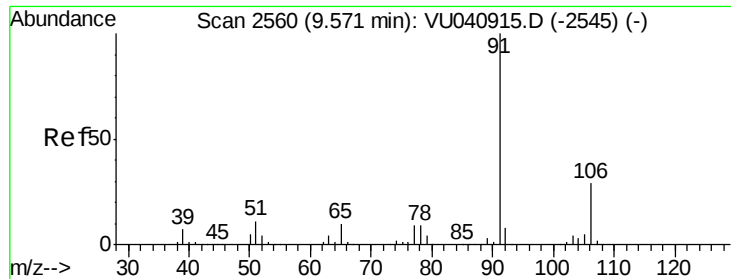
Tot Ion:117 Resp: 3921
 Ion Ratio Lower Upper
 117 100
 167 71.3 59.4 89.2



#62
 Hexachloroethane
 Concen: 0.322 ug/l
 RT: 12.47 min Scan# 3462
 Delta R.T. 0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion:117 Resp: 4030
 Ion Ratio Lower Upper
 117 100
 201 70.6 52.6 78.8

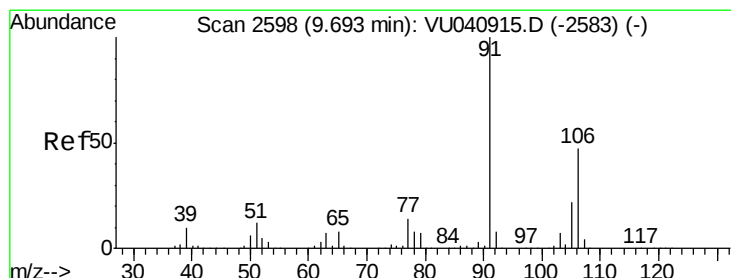
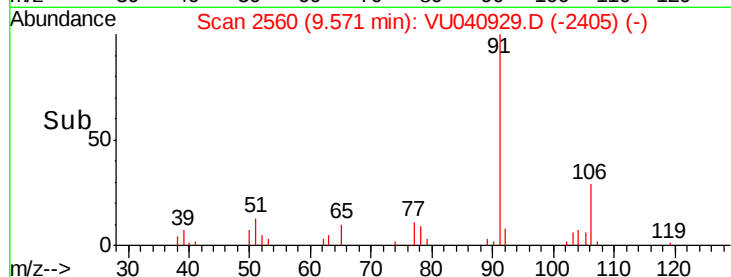
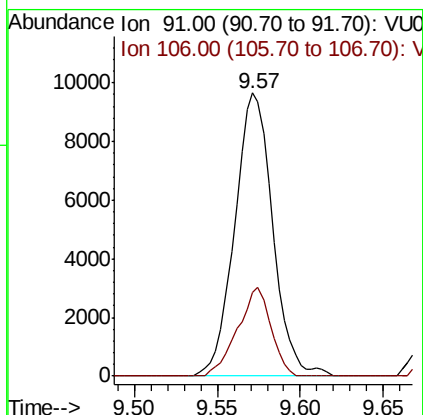
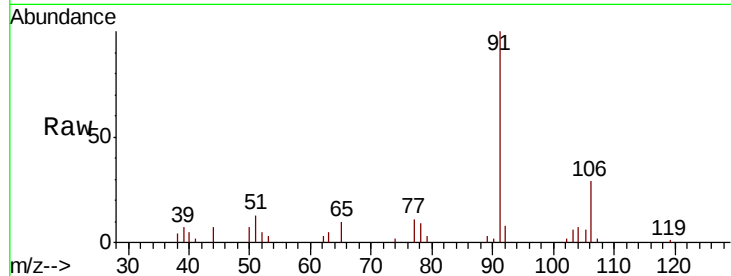




#63
Ethyl Benzene
Concen: 0.239 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

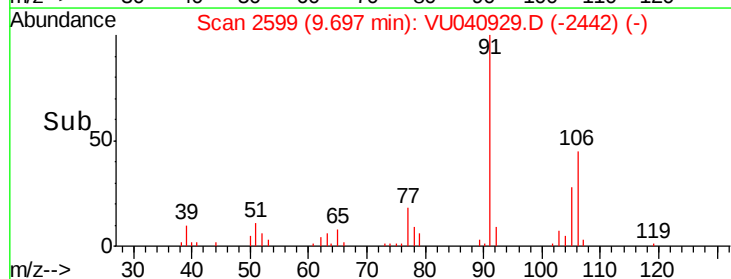
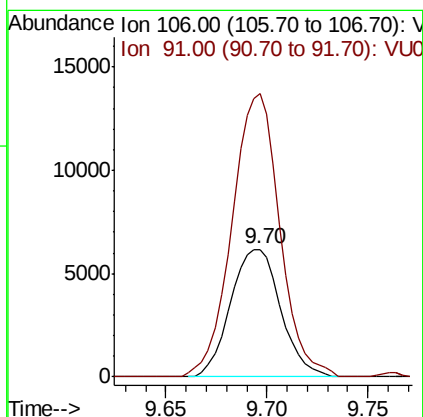
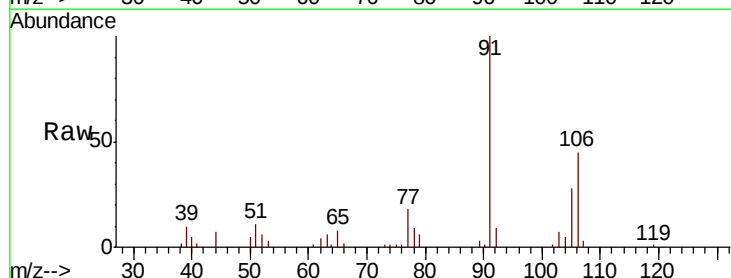
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

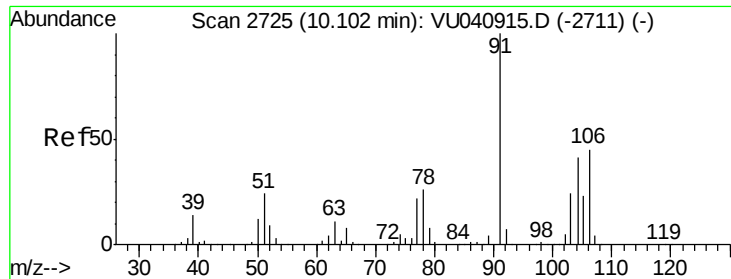
Tot Ion: 91 Resp: 15343
Ion Ratio Lower Upper
91 100
106 29.5 23.5 35.3



#64
m/p-Xylenes
Concen: 0.802 ug/l
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 106 Resp: 10713
Ion Ratio Lower Upper
106 100
91 212.0 168.3 252.5





#65

o-Xylene

Concen: 0.236 ug/l

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

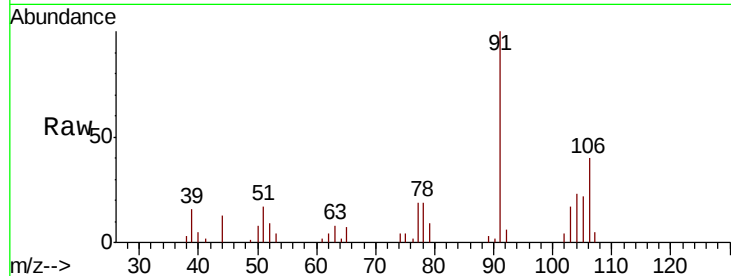
MDL-WATER-03-QT4-2020

Tot Ion:106 Resp: 5326

Ion Ratio Lower Upper

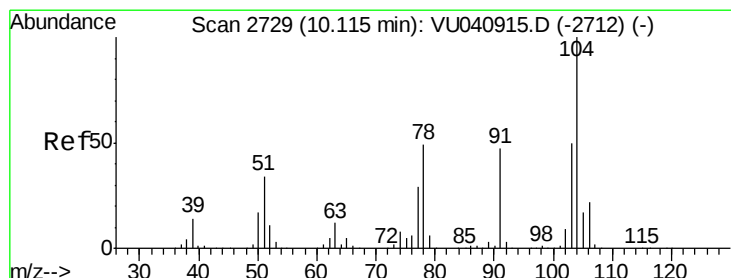
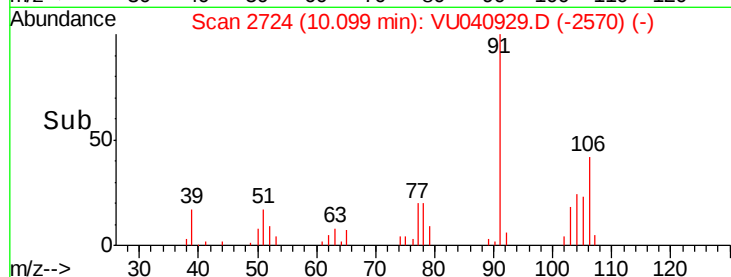
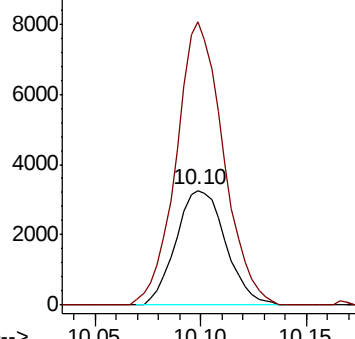
106 100

91 234.2 111.3 333.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.448 ug/l

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

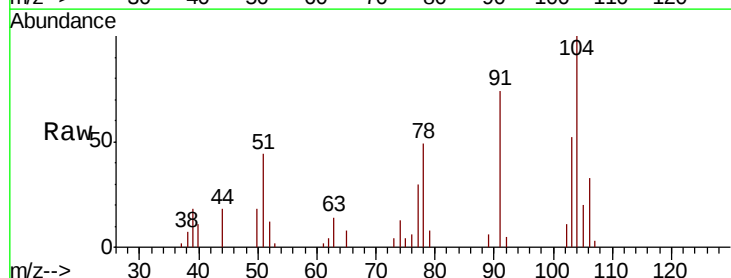
Tgt Ion:104 Resp: 8903

Ion Ratio Lower Upper

104 100

78 55.4 43.4 65.0

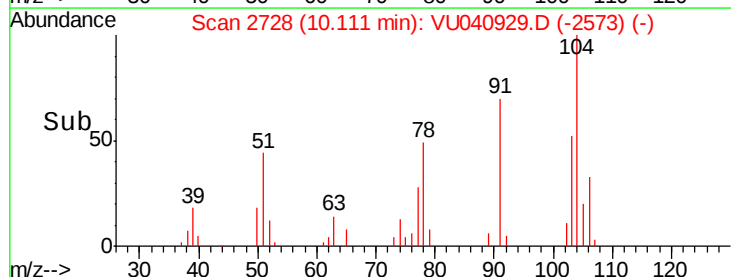
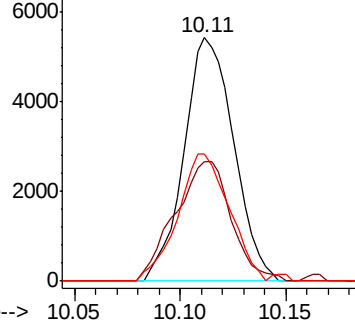
103 53.7 43.1 64.7

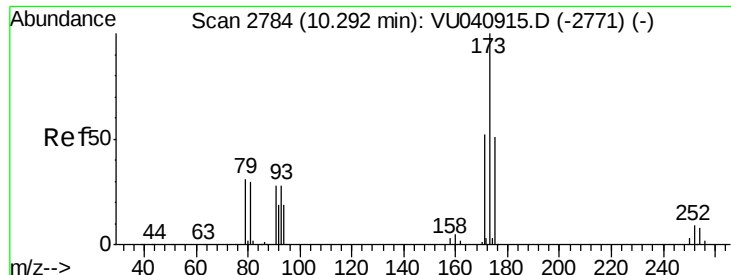


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

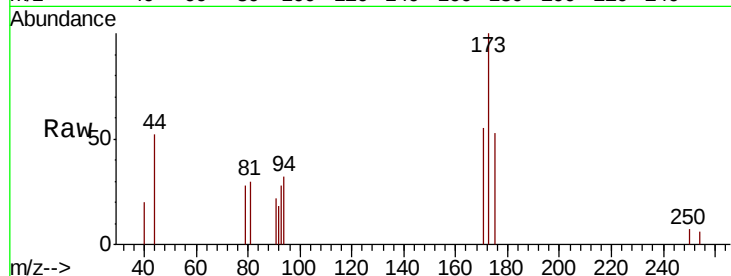




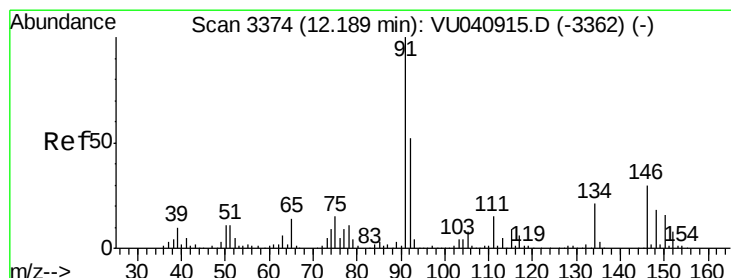
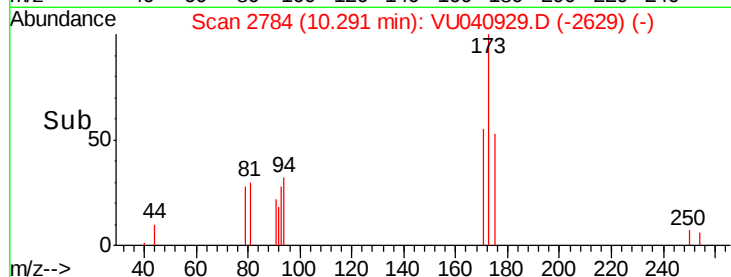
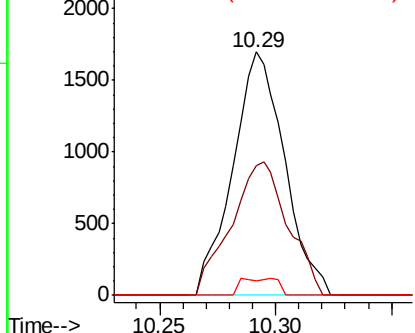
#67
Bromoform
Concen: 0.303 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

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

Tot Ion:173 Resp: 2632
Ion Ratio Lower Upper
173 100
175 60.3 39.0 58.4#
254 2.4 6.6 9.8#

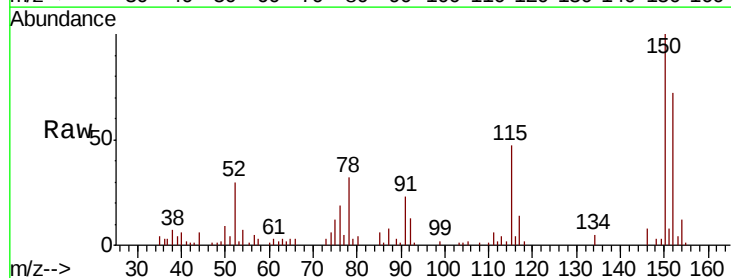


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

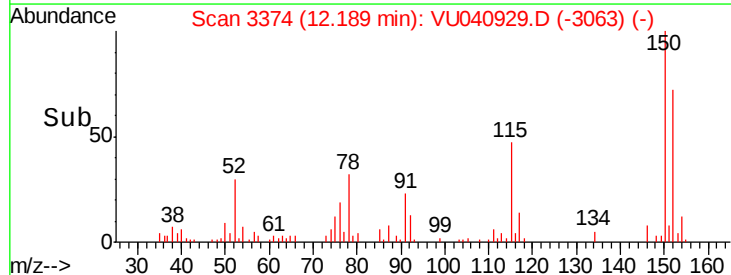
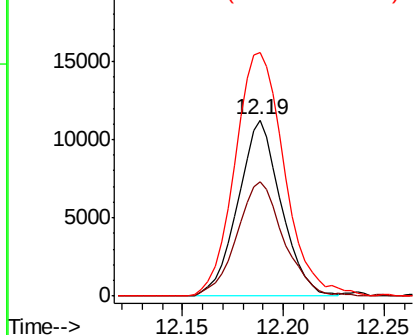


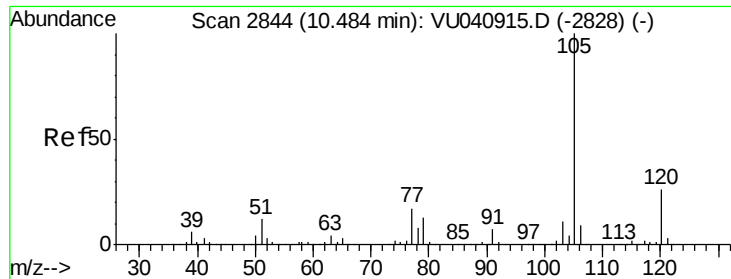
#68
1,2-Dichlorobenzene-d4
Concen: 0.852 ug/l
RT: 12.19 min Scan# 3374
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion:152 Resp: 16862
Ion Ratio Lower Upper
152 100
115 70.1 0.0 323.4
150 158.7 0.0 653.8



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: 0.218 ug/l

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

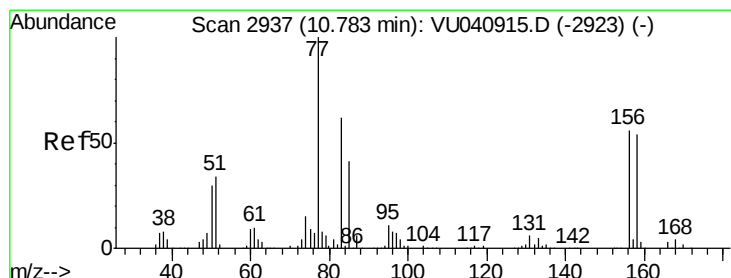
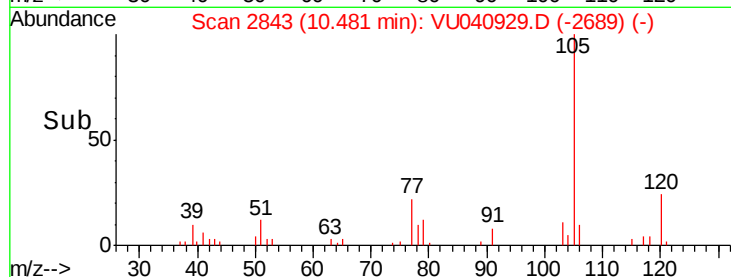
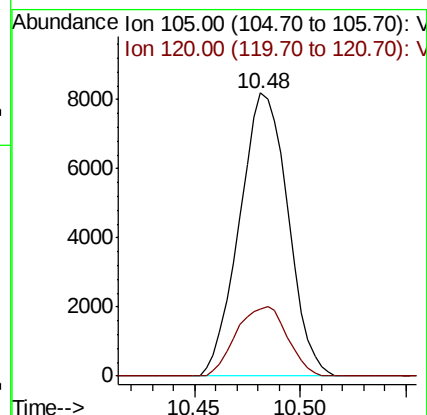
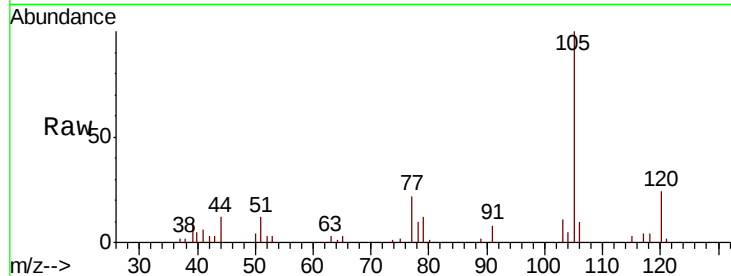
MDL-WATER-03-QT4-2020

Tot Ion:105 Resp: 13097

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.6



#70

1,1,2,2-Tetrachloroethane

Concen: 0.333 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

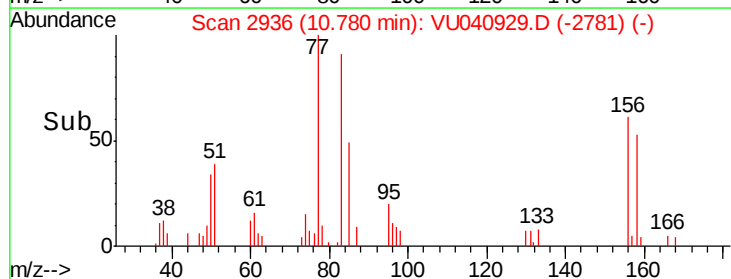
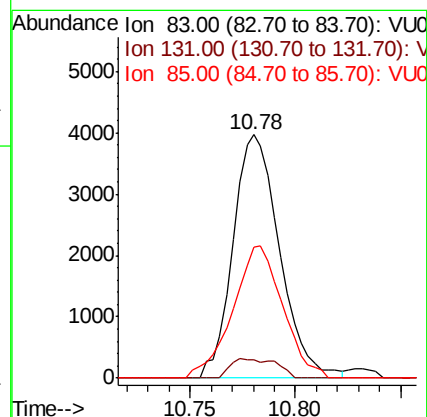
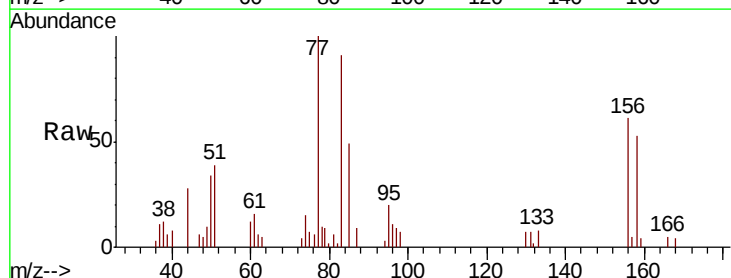
Tgt Ion: 83 Resp: 6072

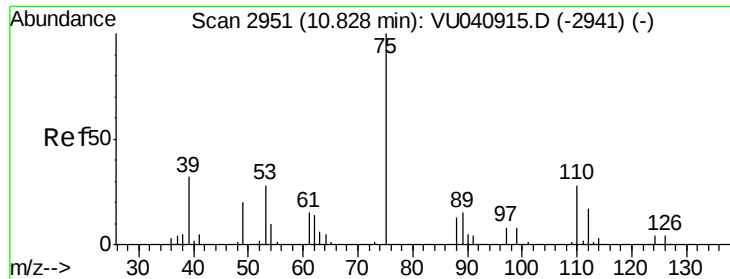
Ion Ratio Lower Upper

83 100

131 7.8 7.1 10.7

85 58.4 51.8 77.6

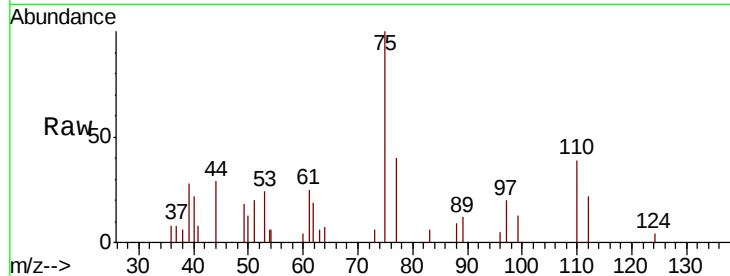




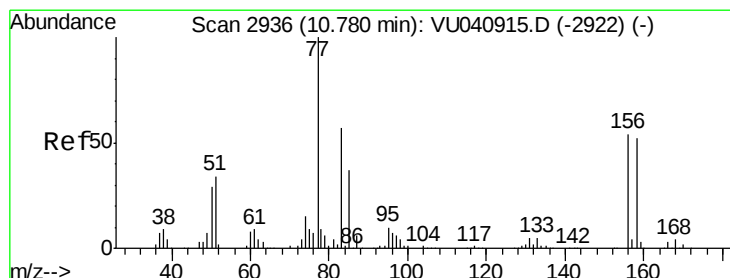
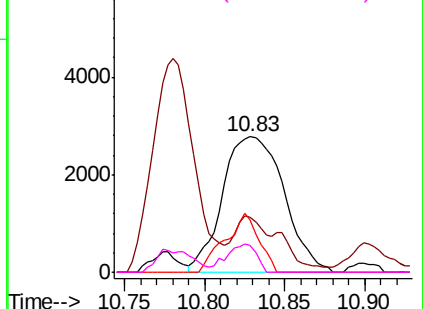
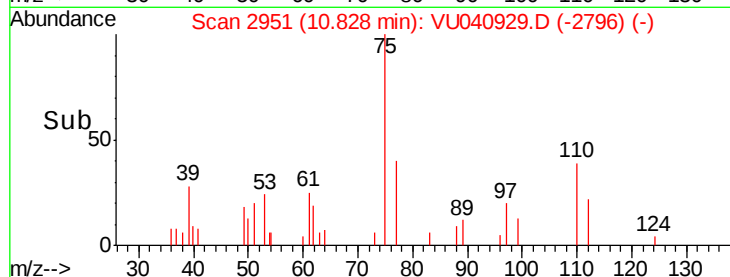
#71
 1,2,3-Trichloropropane
 Concen: 0.528 ug/l
 RT: 10.83 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

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

Tot Ion:	75	Resp:	7333
Ion	Ratio	Lower	Upper
75	100		
77	8.8	0.0	110.8
110	23.6	0.0	73.4
97	9.9	0.0	36.0

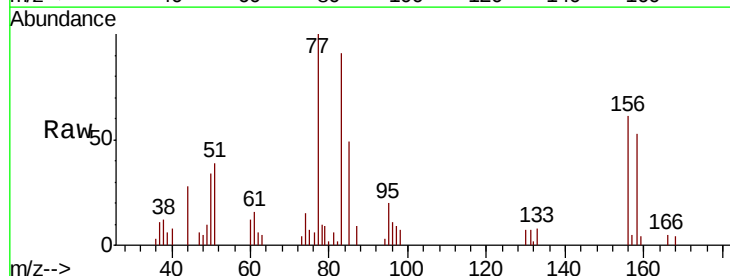


Abundance Ion 75.00 (74.70 to 75.70): VU040929.D (-2796) (-)
 Ion 77.00 (76.70 to 77.70): VU040929.D (-2796) (-)
 Ion 110.00 (109.70 to 110.70): VU040929.D (-2796) (-)
 Ion 97.00 (96.70 to 97.70): VU040929.D (-2796) (-)

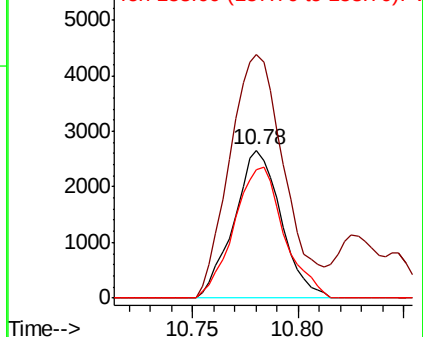
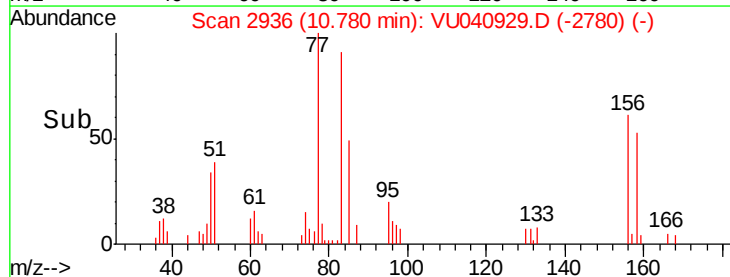


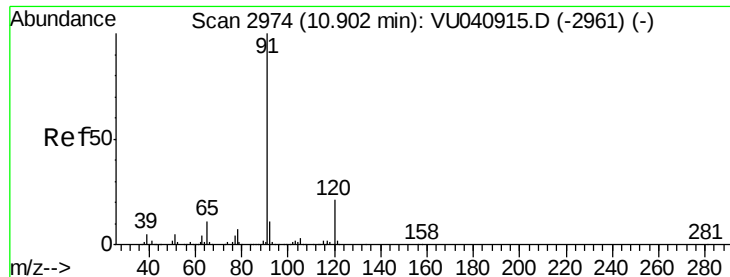
#72
 Bromobenzene
 Concen: 0.263 ug/l
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion:	156	Resp:	4126
Ion	Ratio	Lower	Upper
156	100		
77	191.8	0.0	370.2
158	94.1	0.0	193.2



Abundance Ion 156.00 (155.70 to 156.70): VU040929.D (-2780) (-)
 Ion 77.00 (76.70 to 77.70): VU040929.D (-2780) (-)
 Ion 158.00 (157.70 to 158.70): VU040929.D (-2780) (-)





#73

n-propylbenzene

Concen: 0.406 ug/l

RT: 10.90 min Scan# 2974

Delta R.T. 0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

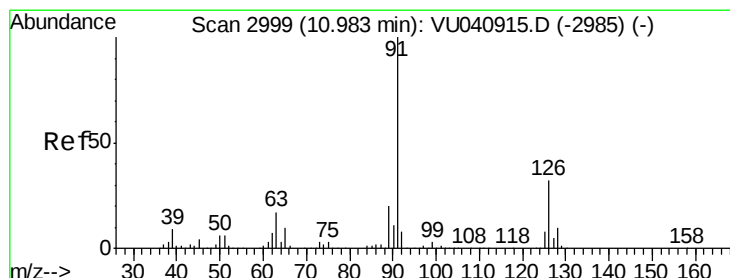
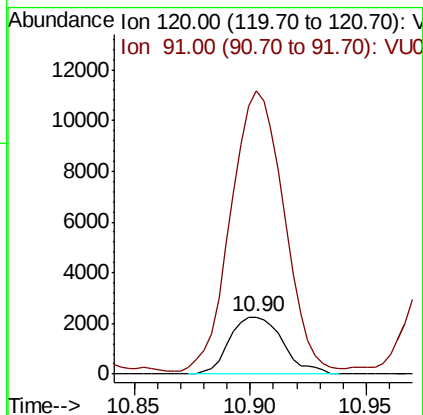
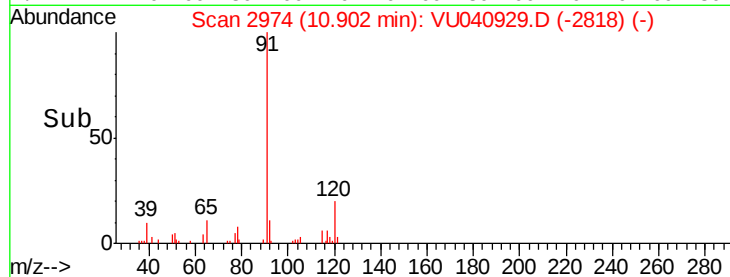
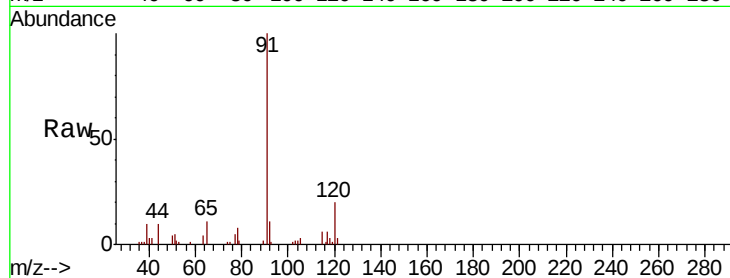
MDL-WATER-03-QT4-2020

Tot Ion:120 Resp: 3599

Ion Ratio Lower Upper

120 100

91 499.0 370.8 556.2



#74

2-Chlorotoluene

Concen: 0.223 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. -0.00 min

Lab File: VU040929.D

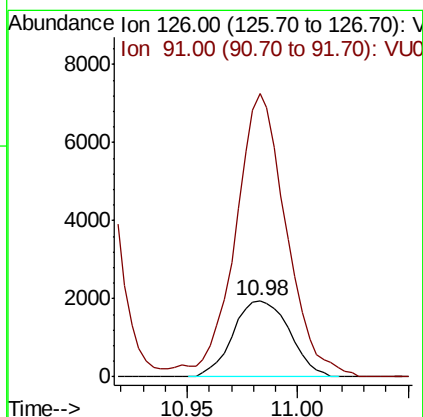
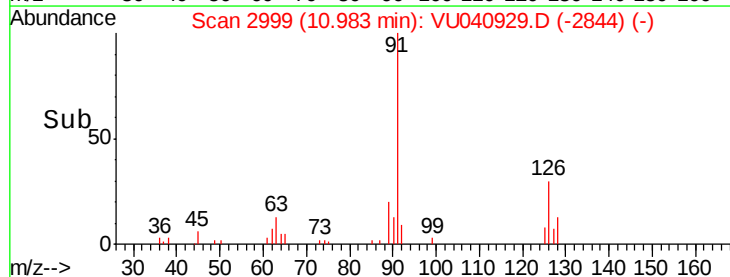
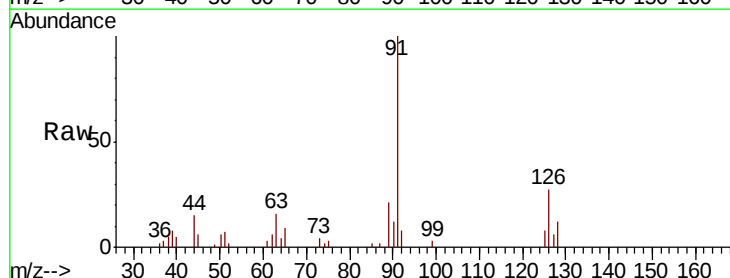
Acq: 23 Oct 2020 11:33

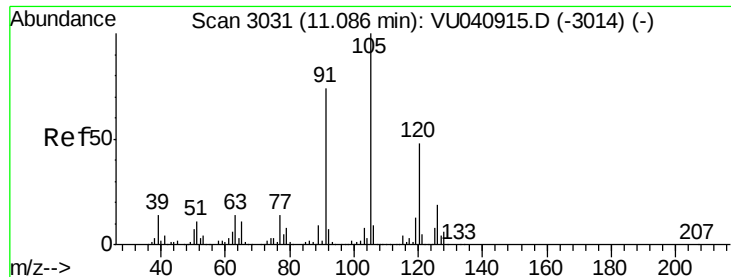
Tgt Ion:126 Resp: 3477

Ion Ratio Lower Upper

126 100

91 337.3 0.0 633.2





#75

1,3,5-Trimethylbenzene

Concen: 0.409 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

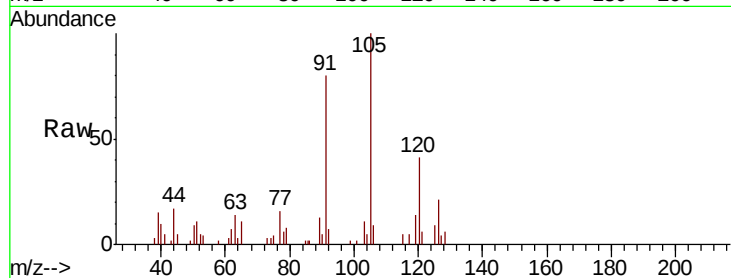
MDL-WATER-03-QT4-2020

Tot Ion:105 Resp: 11098

Ion Ratio Lower Upper

105 100

120 45.7 38.7 58.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.09

8000

6000

4000

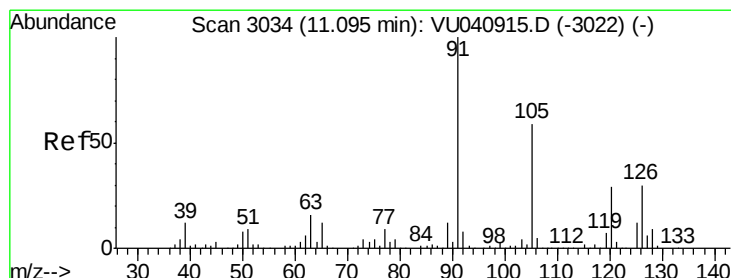
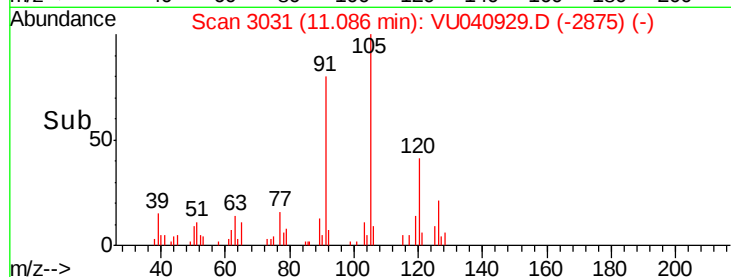
2000

0

11.05

11.10

Time-->



#76

4-Chlorotoluene

Concen: 0.207 ug/l

RT: 11.09 min Scan# 3033

Delta R.T. -0.00 min

Lab File: VU040929.D

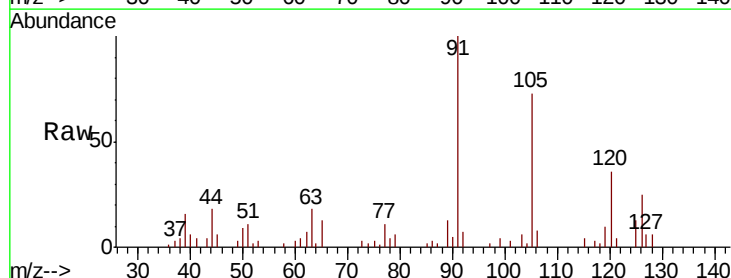
Acq: 23 Oct 2020 11:33

Tgt Ion:126 Resp: 3347

Ion Ratio Lower Upper

126 100

91 379.7 0.0 730.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.09

8000

6000

4000

2000

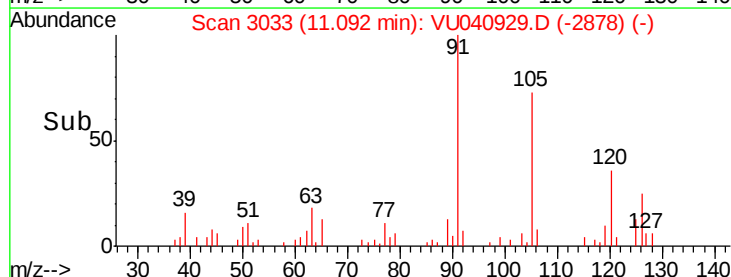
0

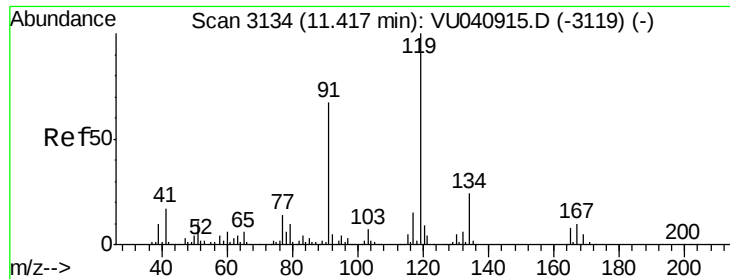
11.05

11.10

11.15

Time-->

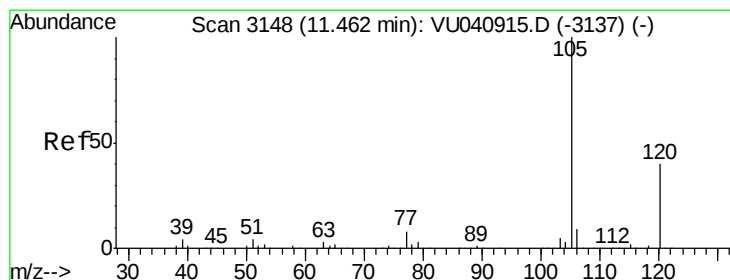
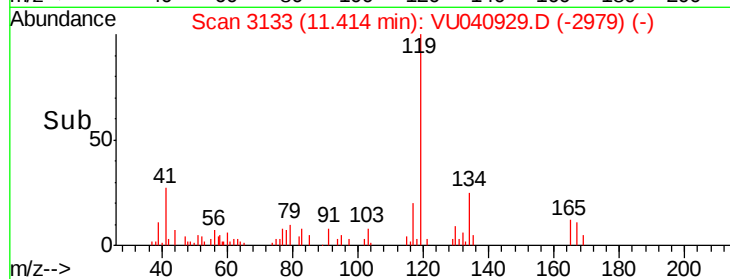
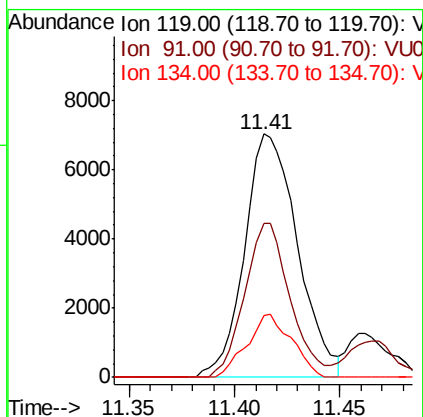
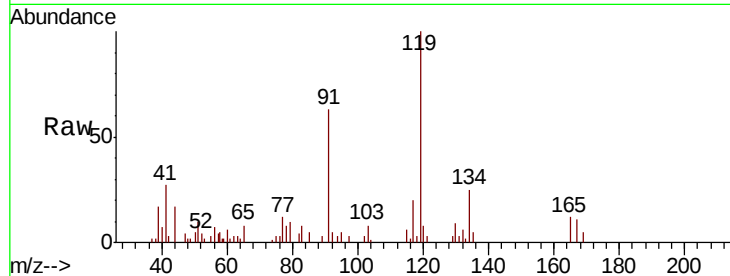




#77
tert-Butylbenzene
Concen: 0.242 ug/l
RT: 11.41 min Scan# 3133
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

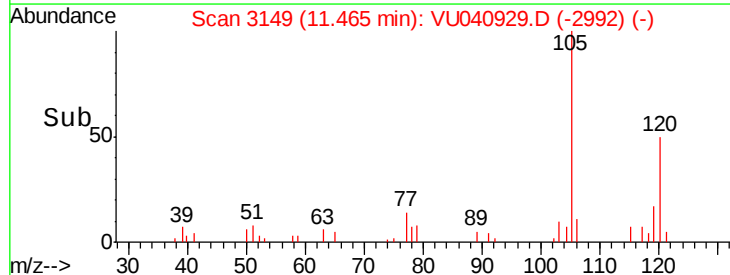
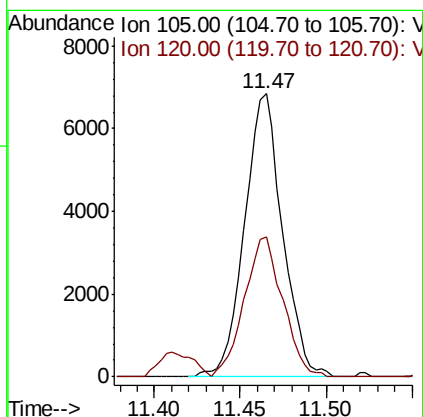
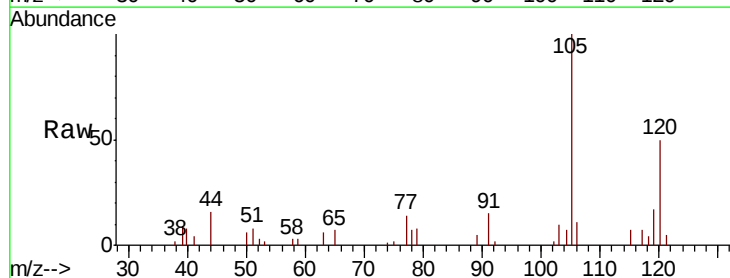
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

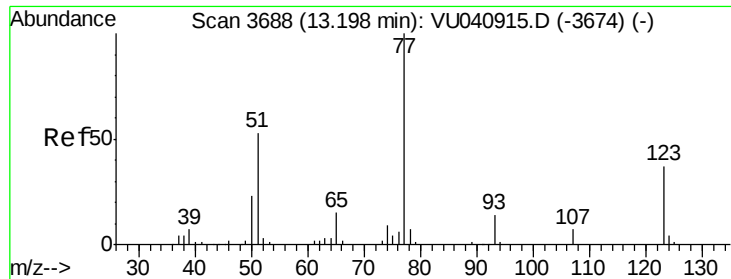
Tot Ion:119 Resp: 12295
Ion Ratio Lower Upper
119 100
91 54.5 32.0 96.2
134 21.8 18.4 27.6



#78
1,2,4-Trimethylbenzene
Concen: 0.399 ug/l
RT: 11.47 min Scan# 3149
Delta R.T. 0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion:105 Resp: 10485
Ion Ratio Lower Upper
105 100
120 50.2 22.6 67.8





#80

Nitrobenzene

Concen: 1.885 ug/l

RT: 13.20 min Scan# 3690

Delta R.T. 0.01 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

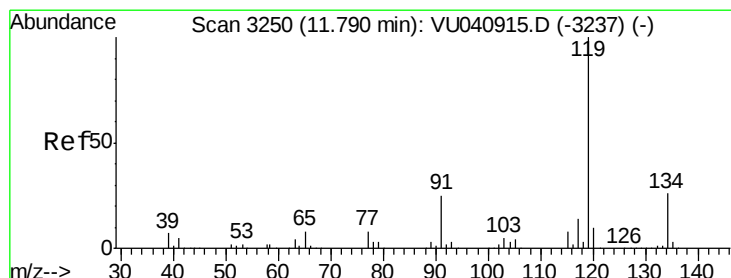
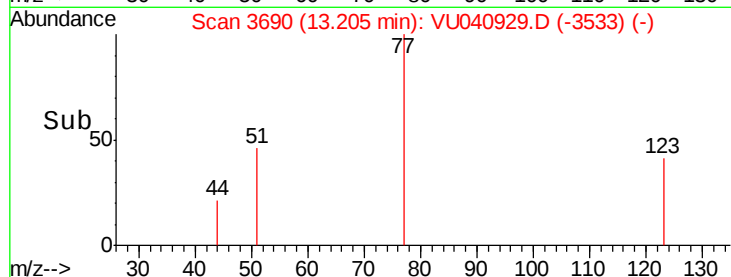
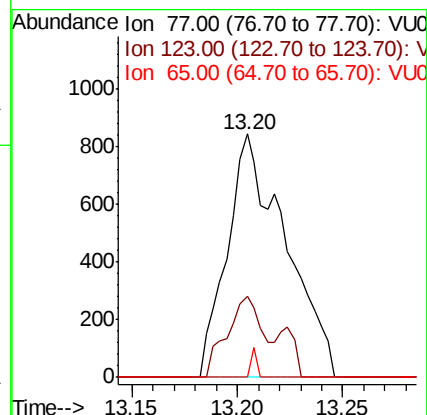
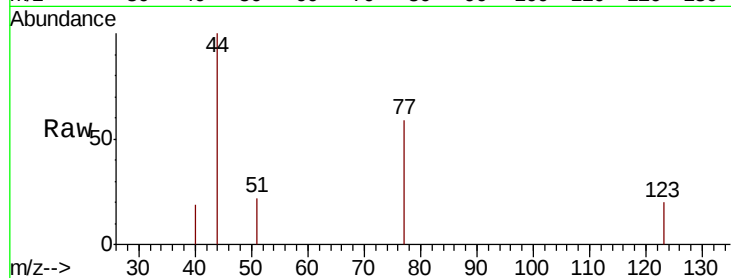
Tot Ion: 77 Resp: 1624

Ion Ratio Lower Upper

77 100

123 12.7 16.8 59.4#

65 1.2 11.0 14.0#



#81

p-Isopropyltoluene

Concen: 0.453 ug/l

RT: 11.79 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

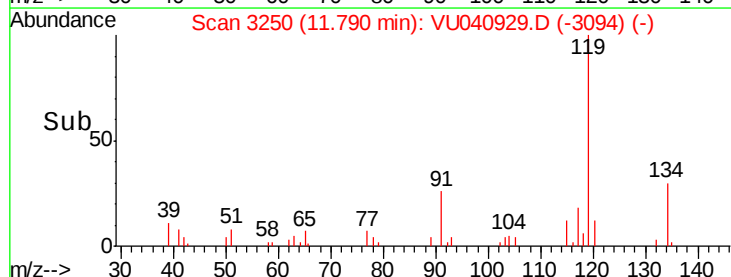
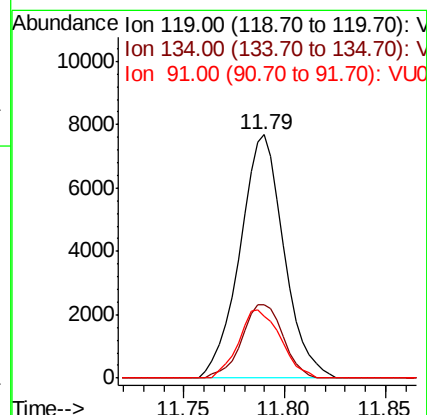
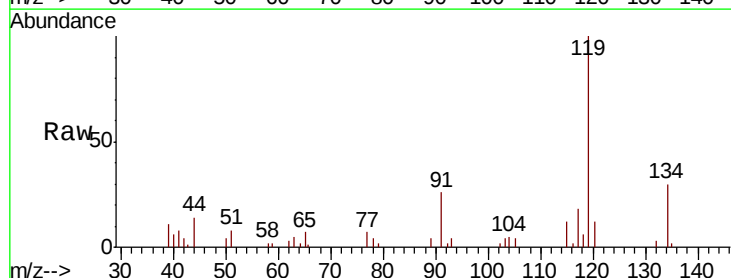
Tgt Ion: 119 Resp: 11749

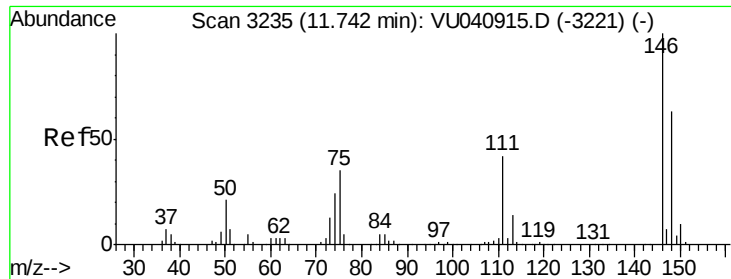
Ion Ratio Lower Upper

119 100

134 28.4 20.4 30.6

91 26.9 20.4 30.6





#82

1,3-Dichlorobenzene

Concen: 0.272 ug/l

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

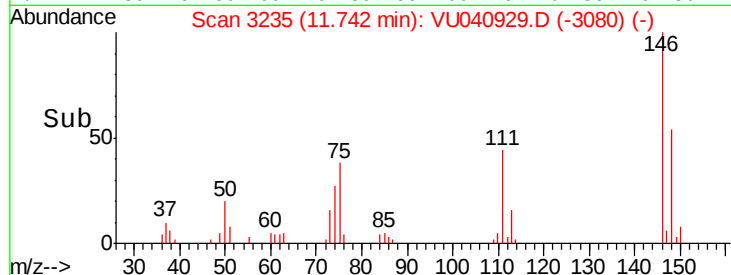
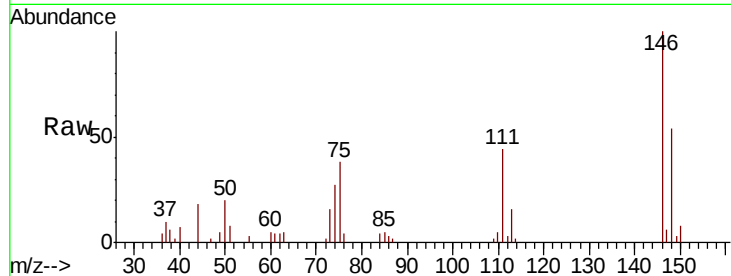
Tot Ion:146 Resp: 9295

Ion Ratio Lower Upper

146 100

111 45.0 33.6 50.4

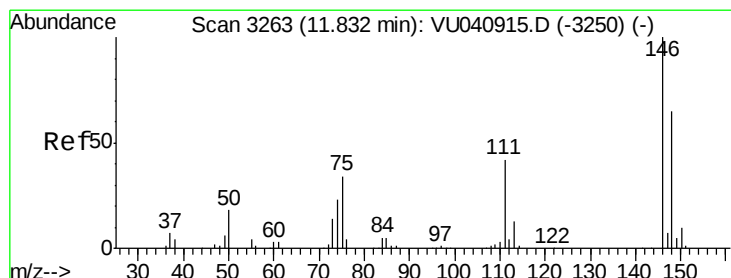
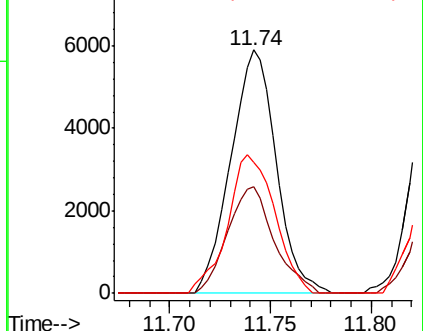
148 59.2 50.1 75.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#83

1,4-Dichlorobenzene

Concen: 0.238 ug/l

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

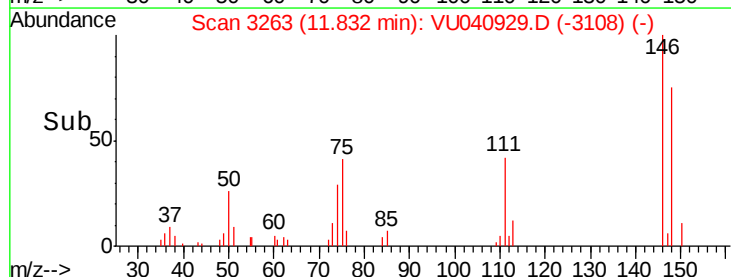
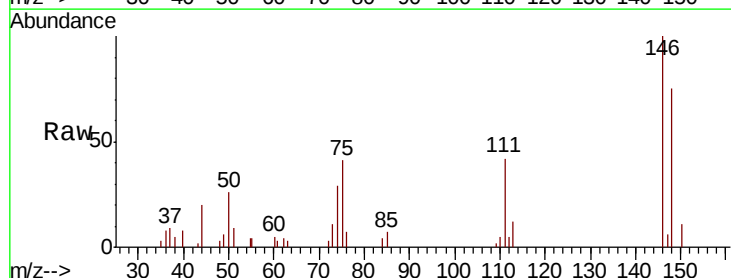
Tgt Ion:146 Resp: 8242

Ion Ratio Lower Upper

146 100

111 44.3 33.7 50.5

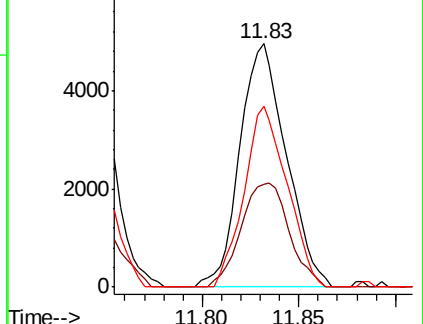
148 69.1 50.6 75.8

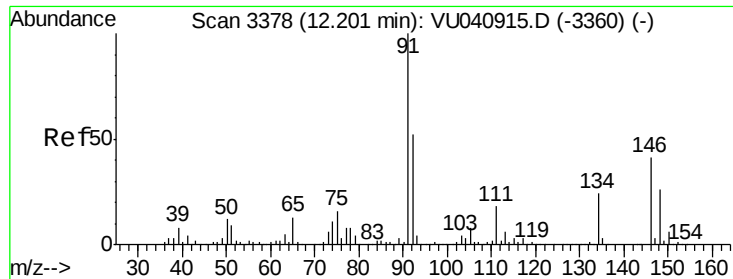


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

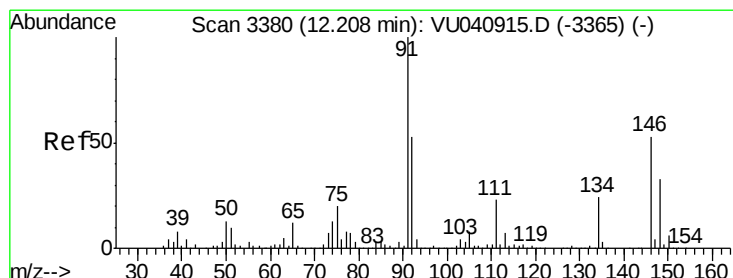
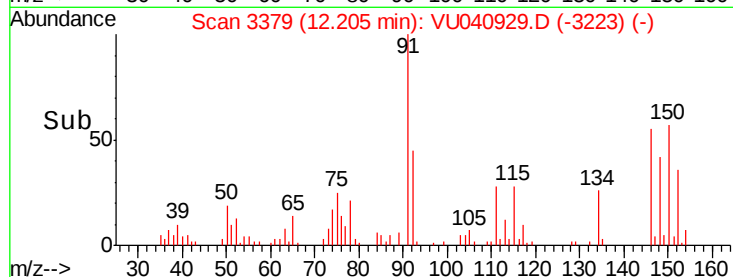
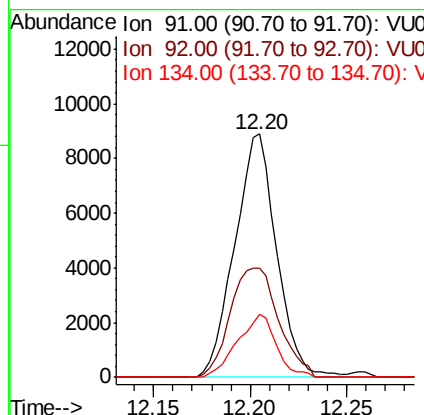
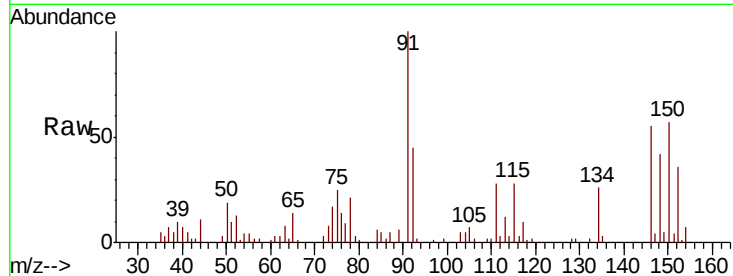




#84
n-Butylbenzene
Concen: 0.227 ug/l
RT: 12.20 min Scan# 3379
Delta R.T. 0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

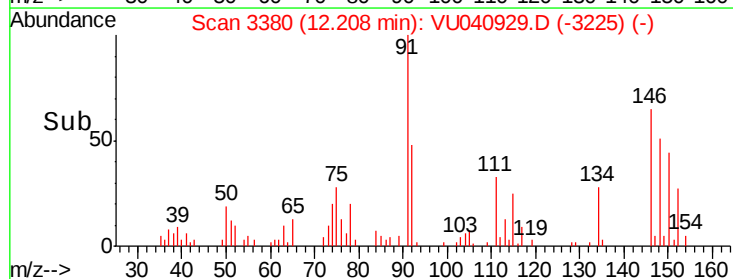
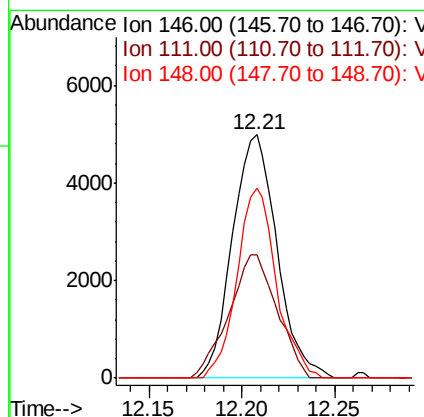
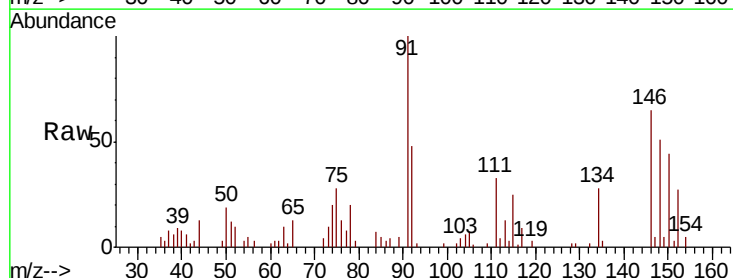
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2020

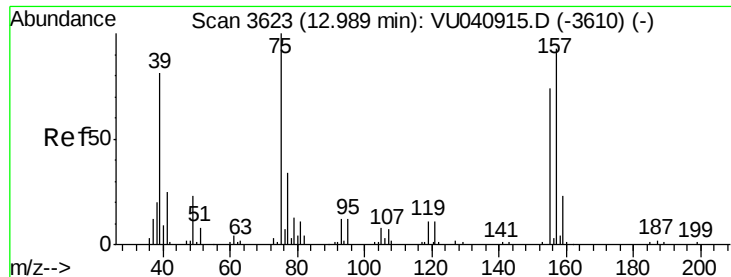
Tot Ion: 91 Resp: 13407
Ion Ratio Lower Upper
91 100
92 51.9 41.7 62.5
134 24.1 18.6 28.0



#85
1,2-Dichlorobenzene
Concen: 0.255 ug/l
RT: 12.21 min Scan# 3380
Delta R.T. -0.00 min
Lab File: VU040929.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 146 Resp: 8344
Ion Ratio Lower Upper
146 100
111 54.4 22.3 66.9
148 68.9 31.5 94.5

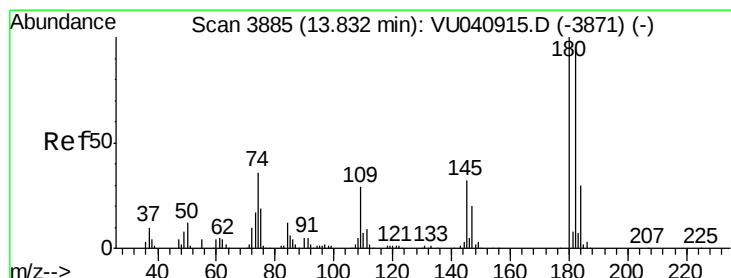
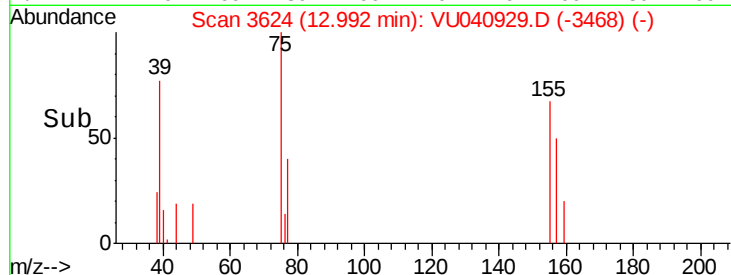
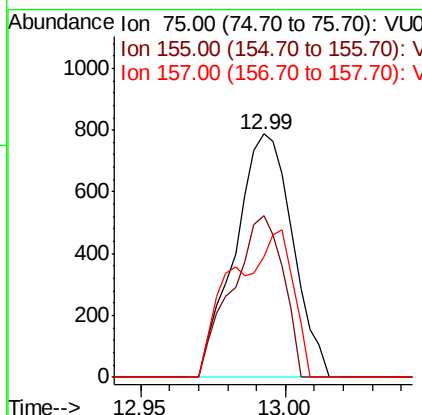
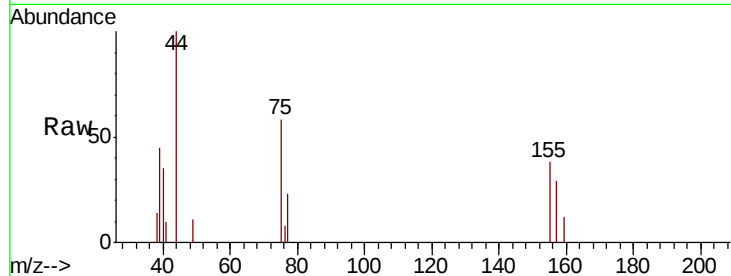




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.319 ug/l
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

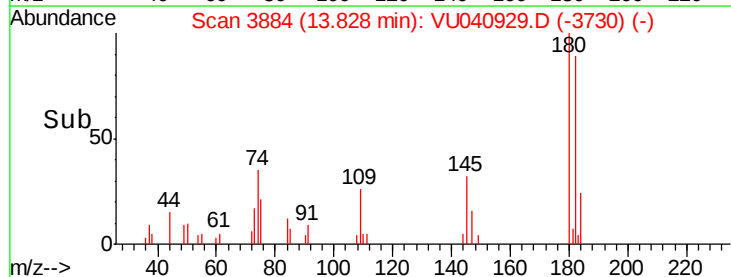
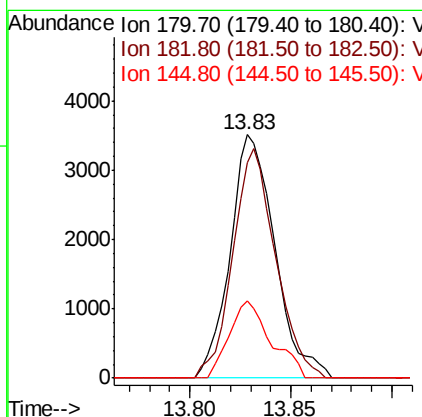
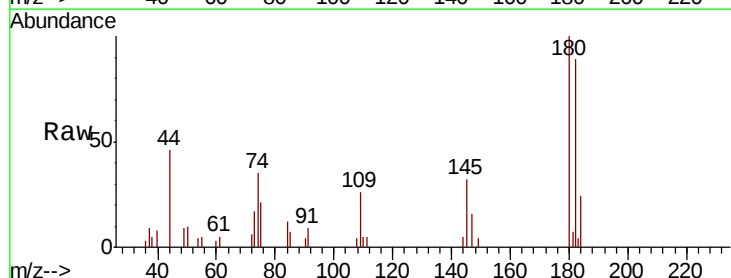
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2020

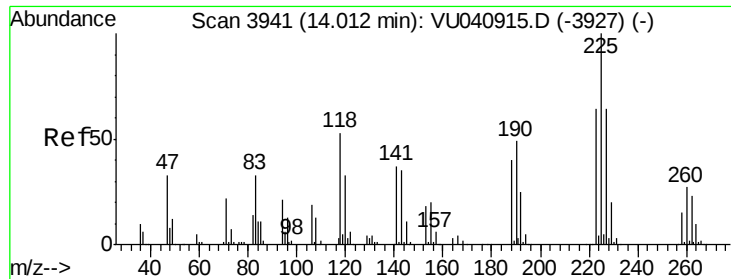
Tot Ion: 75 Resp: 1086
 Ion Ratio Lower Upper
 75 100
 155 58.9 57.1 85.7
 157 32.7 72.4 108.6#



#87
 1,2,4-Trichlorobenzene
 Concen: 0.284 ug/l
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040929.D
 Acq: 23 Oct 2020 11:33

Tgt Ion: 180 Resp: 5453
 Ion Ratio Lower Upper
 180 100
 182 90.2 75.4 113.2
 145 29.6 25.4 38.0





#88

Hexachlorobutadiene

Concen: 0.348 ug/l

RT: 14.01 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

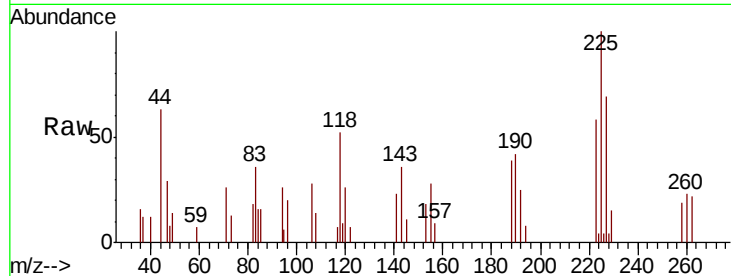
Tot Ion:225 Resp: 3742

Ion Ratio Lower Upper

225 100

223 56.3 49.9 74.9

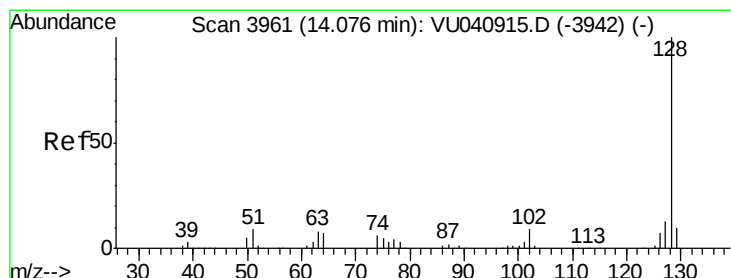
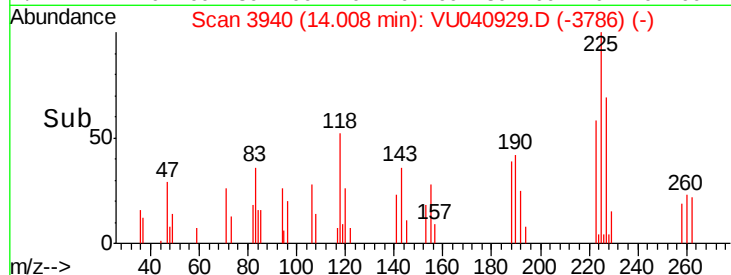
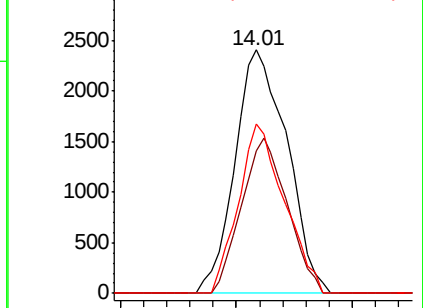
227 61.4 51.1 76.7



Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V



#89

Naphthalene

Concen: 0.881 ug/l

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

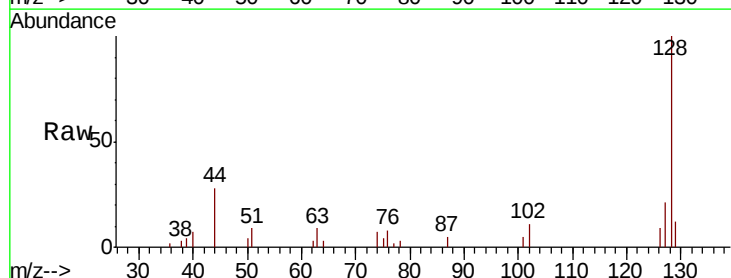
Tgt Ion:128 Resp: 8504

Ion Ratio Lower Upper

128 100

127 17.6 10.7 16.1#

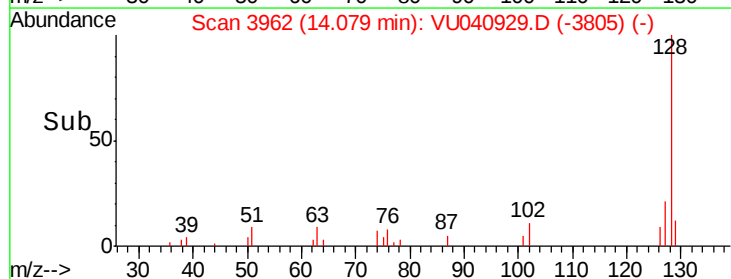
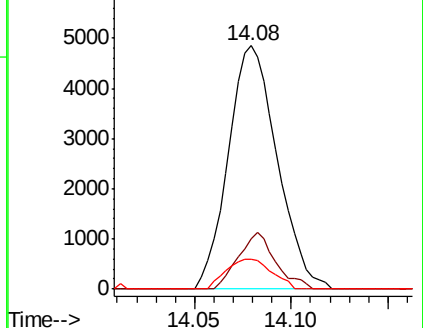
129 11.4 8.6 13.0

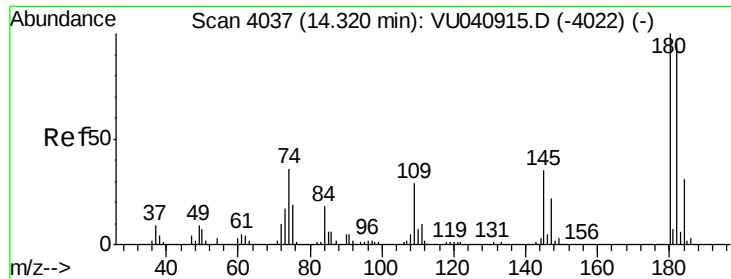


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#90

1,2,3-Trichlorobenzene

Concen: 0.261 ug/l

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU040929.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT4-2020

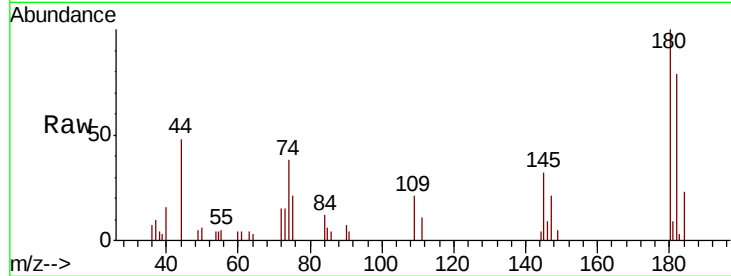
Tot Ion:180 Resp: 4878

Ion Ratio Lower Upper

180 100

182 89.1 76.0 114.0

145 37.7 28.0 42.0



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

