

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U073120\
 Data File : VU039731.D
 Acq On : 31 Jul 2020 13:06
 Operator : SY/MD
 Sample : L3216-09 0.4PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Quant Time: Aug 01 01:47:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 31 07:12:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	24197	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.64	95	6928	0.73	ug/l	0.00
Spiked Amount	1.000		Recovery	=	73.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	7214	0.78	ug/l	0.00
Spiked Amount	1.000		Recovery	=	78.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	2833	0.337 ug/l	96
3) Chloromethane	1.53	50	4396	0.421 ug/l	98
4) Vinyl Chloride	1.61	62	3398	0.353 ug/l	95
5) Bromomethane	1.87	94	2459	0.374 ug/l	97
6) Chloroethane	1.94	64	2800	0.419 ug/l	96
7) Trichlorofluoromethane	2.15	101	5055	0.397 ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2538	0.347 ug/l	93
9) 1,1-Dichloroethene	2.59	96	2442	0.363 ug/l	86
10) Iodomethane	2.73	142	3120	0.460 ug/l	97
11) Allyl Chloride	2.94	41	5028	0.347 ug/l	93
12) Acrylonitrile	3.35	53	1867	0.791 ug/l #	92
13) Acetone	2.66	43	5146	2.318 ug/l	93
14) Carbon Disulfide	2.81	76	9072	0.368 ug/l	99
15) Methylene Chloride	3.06	84	5323	0.568 ug/l	95
16) trans-1,2-Dichloroethene	3.36	96	2766	0.362 ug/l	95
17) 1,1-Dichloroethane	3.88	63	6039	0.360 ug/l #	94
18) 2-Butanone	4.75	43	7267	1.946 ug/l	93
19) Cyclohexane	5.40	56	5767m	0.355 ug/l	
20) Methylcyclohexane	6.77	83	4773	0.396 ug/l	93
21) 2,2-Dichloropropane	4.68	77	5476	0.400 ug/l #	89
22) cis-1,2-Dichloroethene	4.68	96	2858	0.347 ug/l	88
23) Diethyl Ether	2.39	59	2521	0.367 ug/l	88
24) tert-Butyl Alcohol	3.20	59	1157m	0.945 ug/l	
25) Methyl tert-Butyl Ether	3.38	73	7636	0.348 ug/l	96
26) Bromochloromethane	5.00	128	1236	0.367 ug/l	92
27) Chloroform	5.11	83	5626	0.358 ug/l	91
28) 1,1,1-Trichloroethane	5.33	97	4373	0.344 ug/l	99
29) 1,1-Dichloropropene	5.53	75	4582	0.374 ug/l	93
30) Carbon Tetrachloride	5.54	117	3638	0.350 ug/l #	86
31) Isopropyl Ether	4.02	45	11349	0.371 ug/l	98
32) Ethyl-t-butyl ether	4.53	59	9110	0.350 ug/l	97
33) Tert-Amyl methyl ether	5.97	73	7743	0.412 ug/l	98
34) Propionitrile	4.84	54	1371	1.488 ug/l #	70
35) Benzene	5.79	78	12870	0.425 ug/l	95
36) 1,2-Dichloroethane	5.81	62	4720	0.416 ug/l	97
37) Trichloroethene	6.56	130	2776	0.401 ug/l	96
38) 1,2-Dichloropropane	6.81	63	3191	0.382 ug/l	94
39) Methacrylonitrile	5.00	41	1963	0.404 ug/l #	57
40) Methyl acrylate	4.87	55	2641	0.422 ug/l #	78
41) Tetrahydrofuran	5.10	42	2120	0.868 ug/l #	64
42) 1-Chlorobutane	5.47	56	7039	0.366 ug/l	96

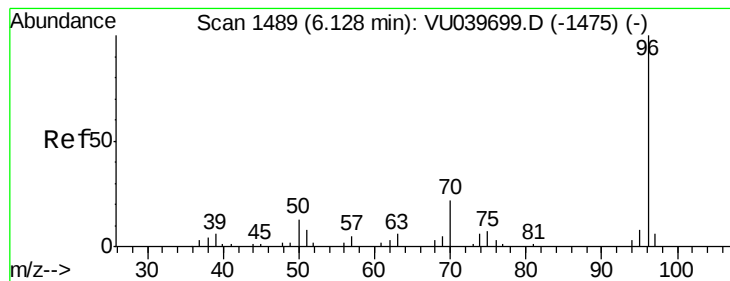
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU073120\
 Data File : VU039731.D
 Acq On : 31 Jul 2020 13:06
 Operator : SY/MD
 Sample : L3216-09 0.4PPB
 Misc : 25.0mL/MSVOA_U/WATER
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Instrument :
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 ClientSampleId :
 MDL-WATER-03-QT3-2020

Quant Time: Aug 01 01:47:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 31 07:12:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	1777	0.396	ug/l	92
44) Bromodichloromethane	7.12	83	3713	0.361	ug/l	91
45) 4-Methyl-2-Pentanone	7.82	43	12930	1.901	ug/l	96
46) t-1,4-Dichloro-2-butene	10.83	75	1352m	0.668	ug/l	
47) Methyl methacrylate	6.98	69	3281	0.783	ug/l #	86
48) Ethyl methacrylate	8.35	69	2213	0.287	ug/l	80
49) Toluene	7.98	92	5535	0.307	ug/l	94
50) t-1,3-Dichloropropene	8.22	75	2672	0.288	ug/l #	71
51) cis-1,3-Dichloropropene	7.62	75	3514	0.322	ug/l	96
52) 1,1,2-Trichloroethane	8.41	97	2017	0.346	ug/l	96
53) 1,3-Dichloropropane	8.58	76	3918	0.350	ug/l	99
54) 2-Hexanone	8.70	43	8332	1.711	ug/l	91
55) Dibromochloromethane	8.82	129	1812	0.289	ug/l	92
56) 1,2-Dibromoethane	8.93	107	1850	0.329	ug/l	94
58) Tetrachloroethene	8.56	164	2224	0.367	ug/l	83
59) Chlorobenzene	9.45	112	6092	0.327	ug/l	92
60) 1,1,1,2-Tetrachloroethane	9.54	131	1965	0.313	ug/l	97
61) Pentachloroethane	11.43	117	1570	0.284	ug/l	96
62) Hexachloroethane	12.47	117	1323	0.261	ug/l	93
63) Ethyl Benzene	9.57	91	9586	0.287	ug/l	99
64) m/p-Xylenes	9.70	106	7097	0.544	ug/l	96
65) o-Xylene	10.10	106	3188	0.257	ug/l	88
66) Styrene	10.12	104	5187	0.244	ug/l	94
67) Bromoform	10.29	173	914	0.286	ug/l #	91
69) Isopropylbenzene	10.48	105	8800	0.266	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.78	83	3026	0.360	ug/l #	95
71) 1,2,3-Trichloropropane	10.83	75	2384m	0.377	ug/l	
72) Bromobenzene	10.78	156	2245	0.299	ug/l	93
73) n-propylbenzene	10.91	120	2279	0.245	ug/l	91
74) 2-Chlorotoluene	10.99	126	2248	0.286	ug/l	93
75) 1,3,5-Trimethylbenzene	11.09	105	7477	0.261	ug/l	98
76) 4-Chlorotoluene	11.10	126	2123	0.261	ug/l	93
77) tert-Butylbenzene	11.42	119	7246	0.264	ug/l	95
78) 1,2,4-Trimethylbenzene	11.46	105	7442	0.254	ug/l	100
79) sec-Butylbenzene	11.64	105	10028	0.257	ug/l	100
80) Nitrobenzene	13.20	77	113	0.795	ug/l #	44
81) p-Isopropyltoluene	11.79	119	7749	0.246	ug/l	100
82) 1,3-Dichlorobenzene	11.74	146	4656	0.288	ug/l	96
83) 1,4-Dichlorobenzene	11.83	146	4794	0.295	ug/l	99
84) n-Butylbenzene	12.20	91	8164	0.244	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	4672	0.300	ug/l	94
86) 1,2-Dibromo-3-Chloropropan	12.99	75	363	0.257	ug/l	87
87) 1,2,4-Trichlorobenzene	13.83	180	2972	0.305	ug/l #	82
88) Hexachlorobutadiene	14.01	225	1257	0.284	ug/l	99
89) Naphthalene	14.08	128	5815	0.279	ug/l #	94
90) 1,2,3-Trichlorobenzene	14.32	180	2661	0.289	ug/l	96

(#) = 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: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2020

Tgt Ion: 96 Resp: 24197

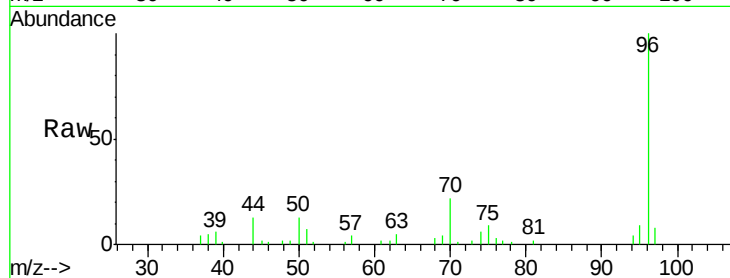
Ion Ratio Lower Upper

96 100

70 22.2 16.3 24.5

95 9.4 6.8 10.2

97 7.2 0.0 0.0#

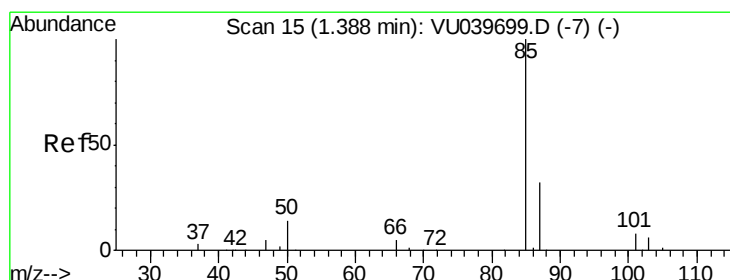
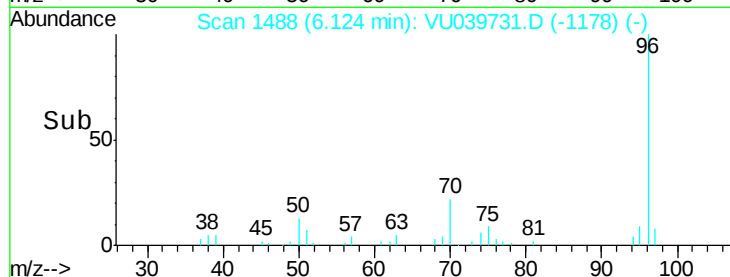
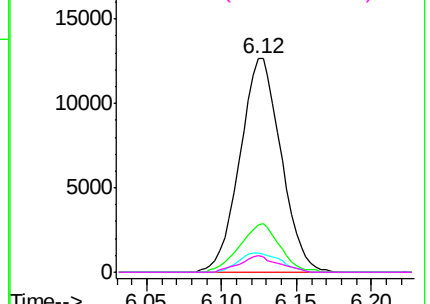


Abundance Ion 96.00 (95.70 to 96.70): VU039699.D (-1475) (-)

Ion 70.00 (69.70 to 70.70): VU039699.D (-1475) (-)

Ion 95.00 (94.70 to 95.70): VU039699.D (-1475) (-)

Ion 97.00 (96.70 to 97.70): VU039699.D (-1475) (-)



#2

Dichlorodifluoromethane

Concen: 0.337 ug/l

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039731.D

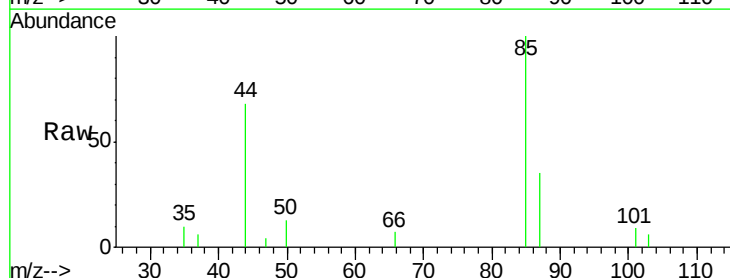
Acq: 31 Jul 2020 13:06

Tgt Ion: 85 Resp: 2833

Ion Ratio Lower Upper

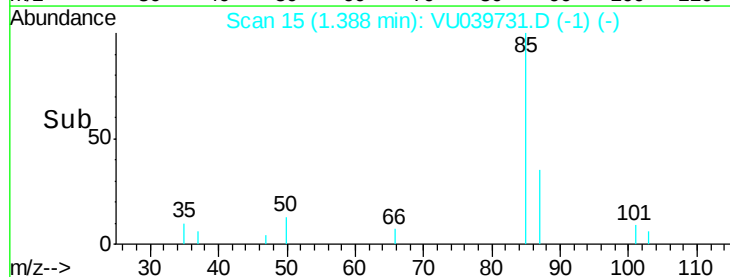
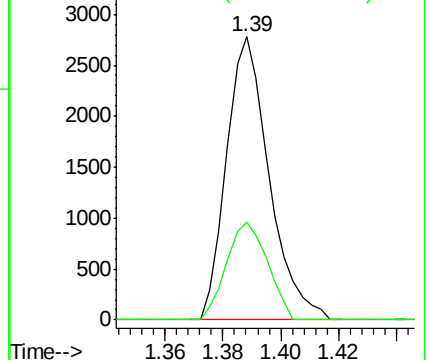
85 100

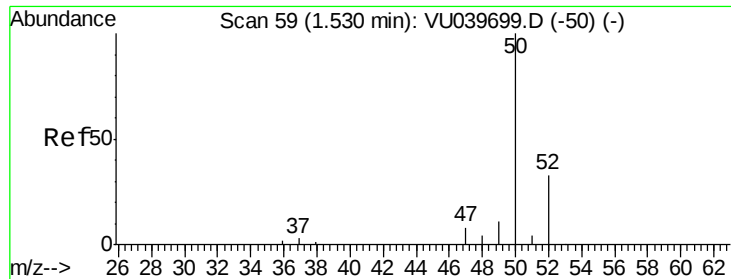
87 34.7 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VU039699.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039699.D (-7) (-)

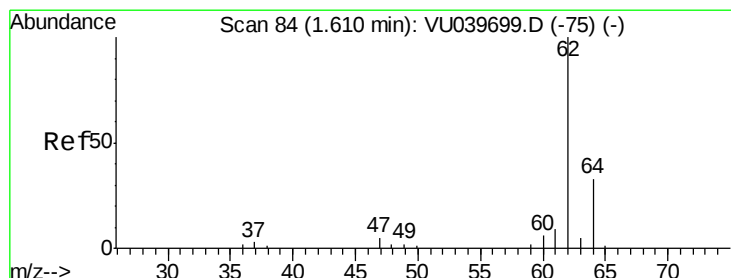
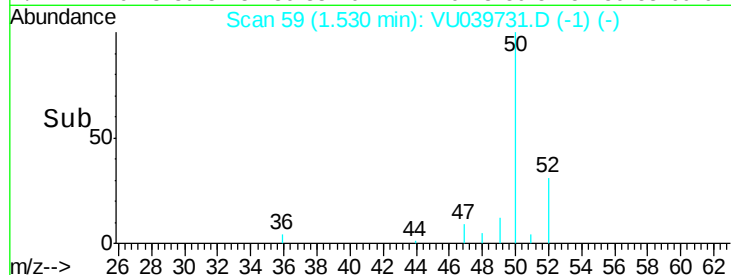
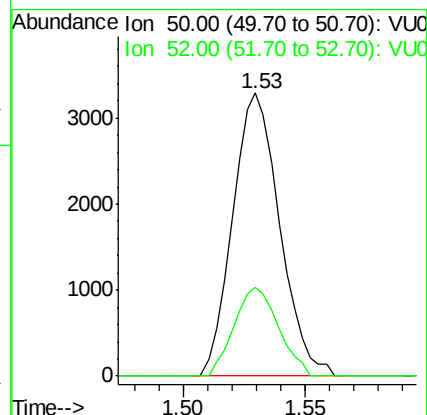
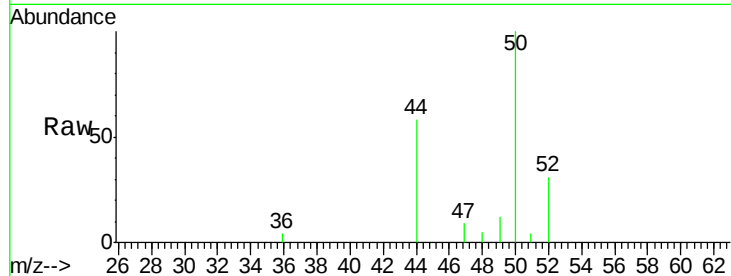




#3
 Chloromethane
 Concen: 0.421 ug/l
 RT: 1.53 min Scan# 59
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

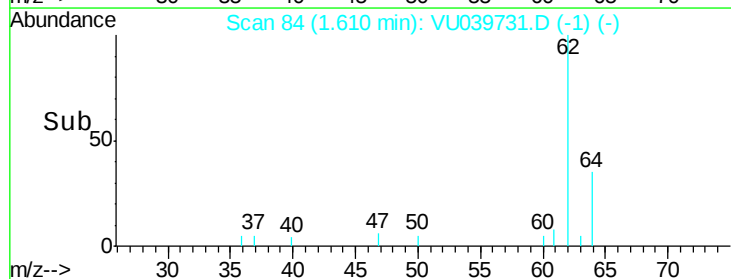
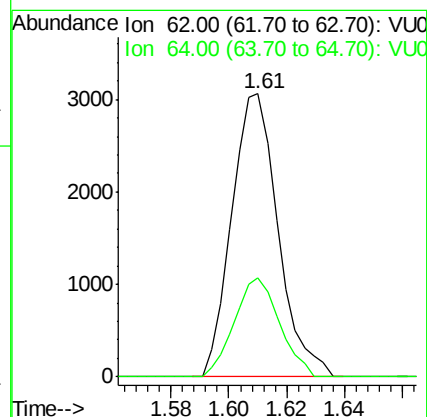
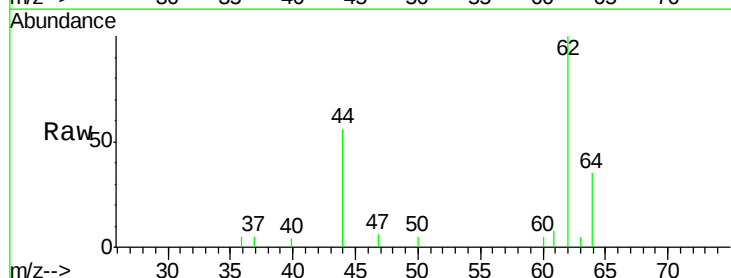
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2020

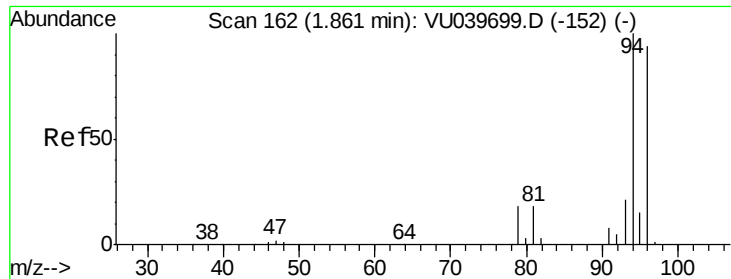
Tgt Ion: 50 Resp: 4396
 Ion Ratio Lower Upper
 50 100
 52 31.3 26.0 39.0



#4
 Vinyl Chloride
 Concen: 0.353 ug/l
 RT: 1.61 min Scan# 84
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Tgt Ion: 62 Resp: 3398
 Ion Ratio Lower Upper
 62 100
 64 35.1 26.0 39.0

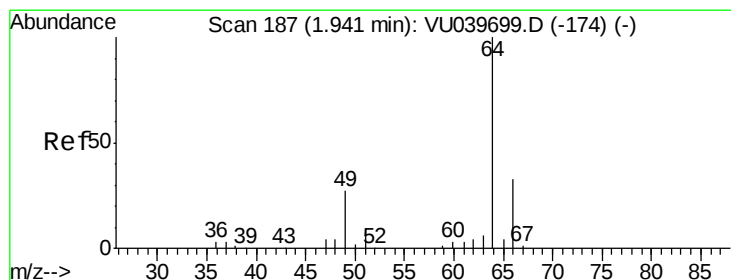
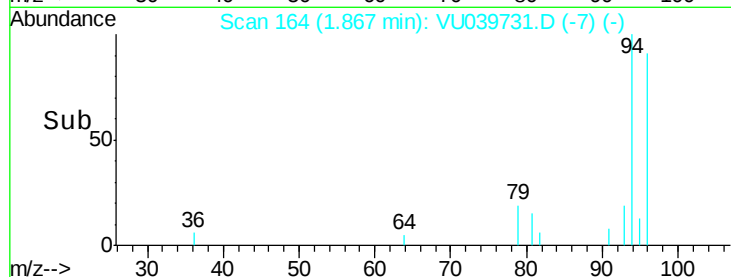
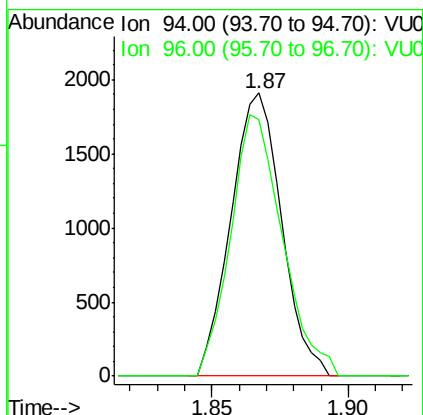
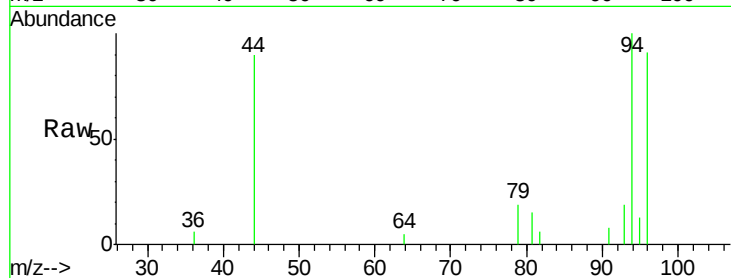




#5
Bromomethane
Concen: 0.374 ug/l
RT: 1.87 min Scan# 164
Delta R.T. 0.01 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

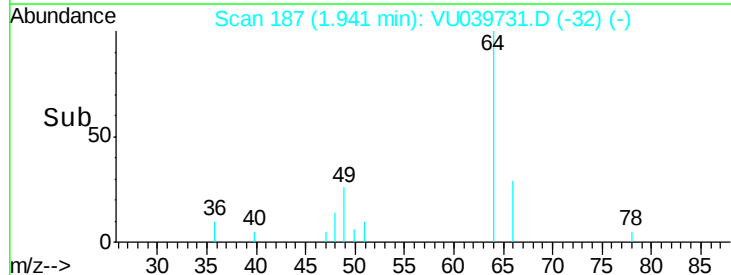
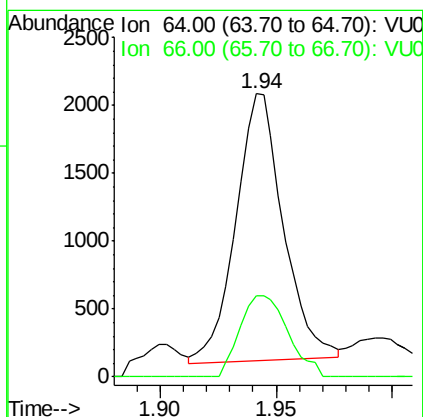
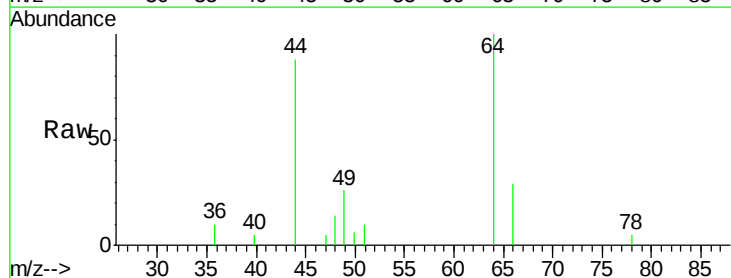
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2020

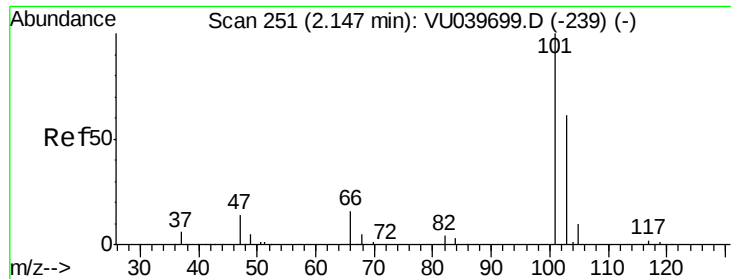
Tgt Ion: 94 Resp: 2459
Ion Ratio Lower Upper
94 100
96 90.5 75.0 112.6



#6
Chloroethane
Concen: 0.419 ug/l
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

Tgt Ion: 64 Resp: 2800
Ion Ratio Lower Upper
64 100
66 30.7 26.2 39.2



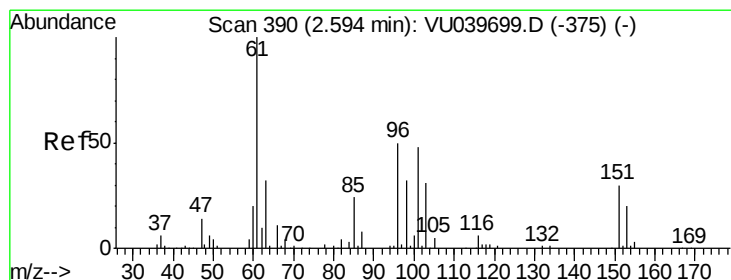
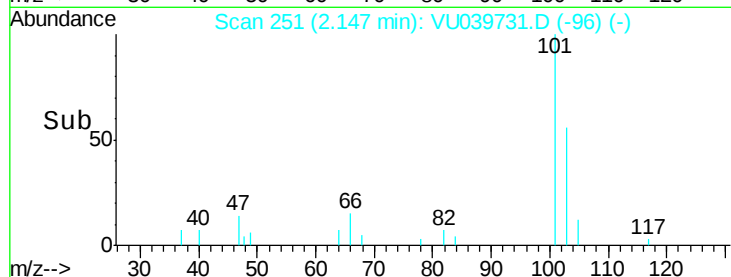
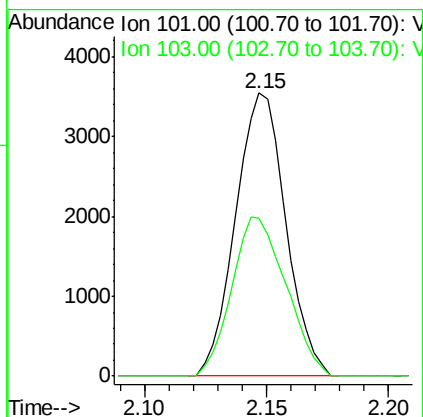
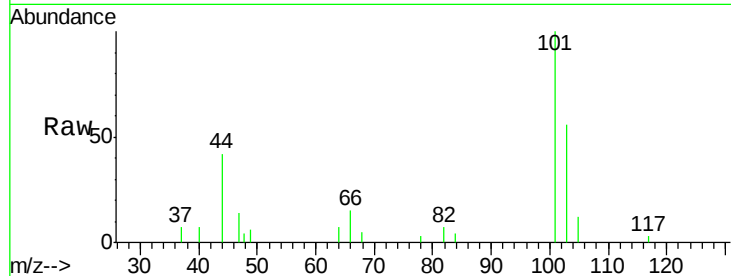


#7

Trichlorofluoromethane
 Concen: 0.397 ug/l
 RT: 2.15 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2020

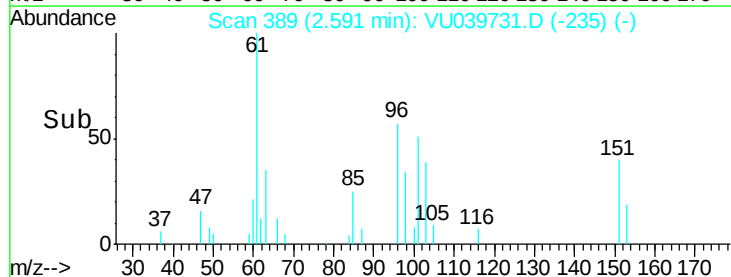
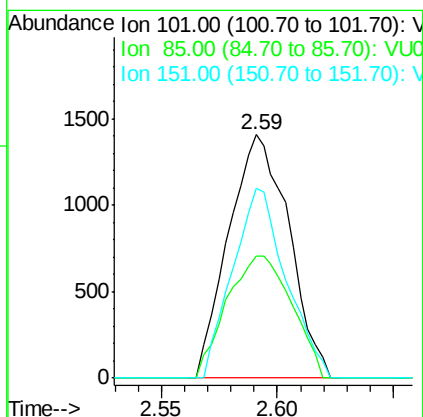
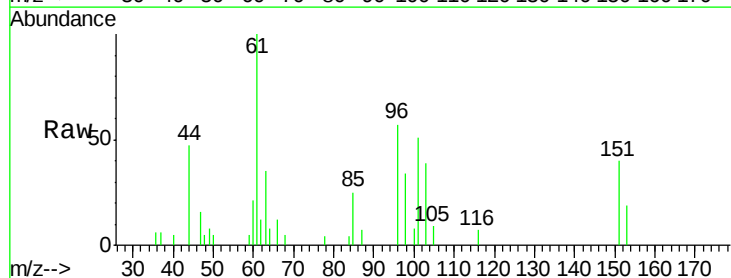
Tgt Ion:101 Resp: 5055
 Ion Ratio Lower Upper
 101 100
 103 56.0 48.8 73.2

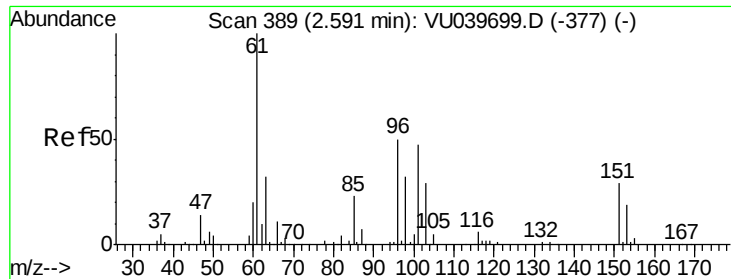


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.347 ug/l
 RT: 2.59 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Tgt Ion:101 Resp: 2538
 Ion Ratio Lower Upper
 101 100
 85 54.0 39.9 59.9
 151 69.5 51.0 76.4





#9

1,1-Dichloroethene

Concen: 0.363 ug/l

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2020

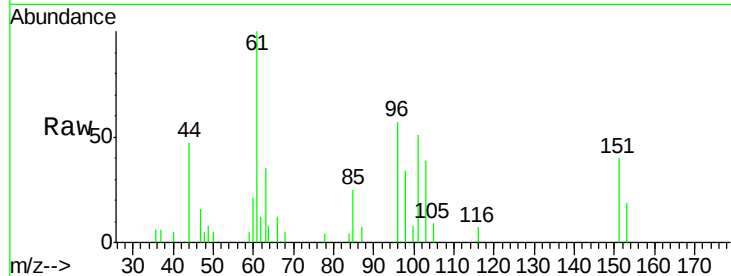
Tgt Ion: 96 Resp: 2442

Ion Ratio Lower Upper

96 100

61 176.0 0.0 604.5

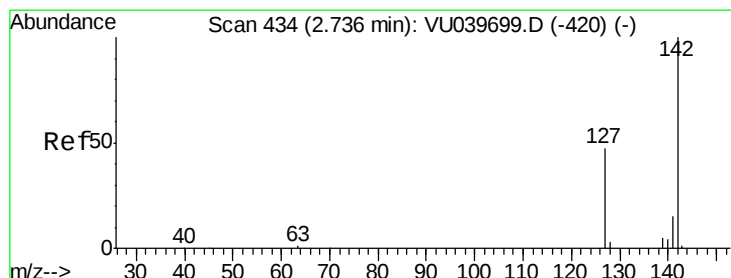
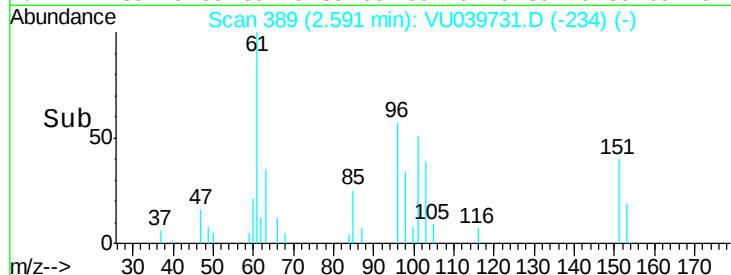
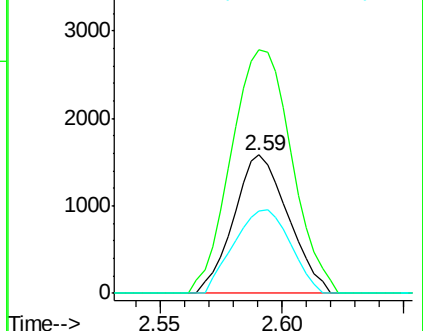
98 59.5 0.0 127.2



Abundance Ion 96.00 (95.70 to 96.70): VU039731.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VU039731.D (-234) (-)

Ion 98.00 (97.70 to 98.70): VU039731.D (-234) (-)



#10

Iodomethane

Concen: 0.460 ug/l

RT: 2.73 min Scan# 433

Delta R.T. -0.00 min

Lab File: VU039731.D

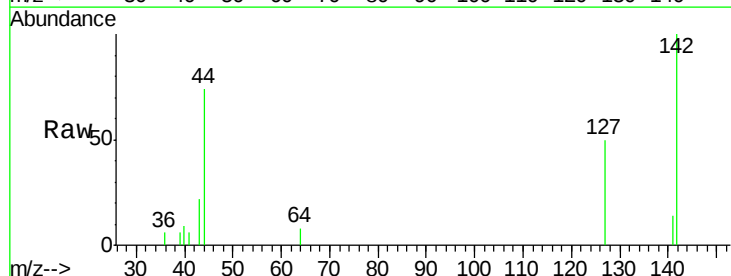
Acq: 31 Jul 2020 13:06

Tgt Ion: 142 Resp: 3120

Ion Ratio Lower Upper

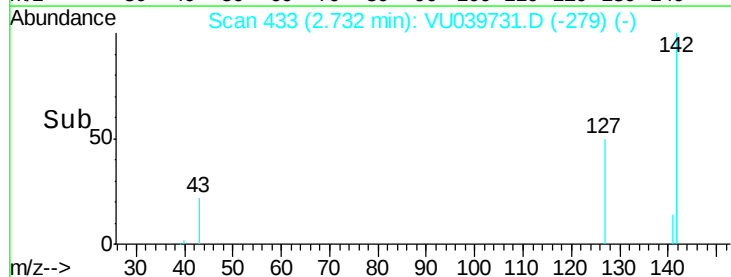
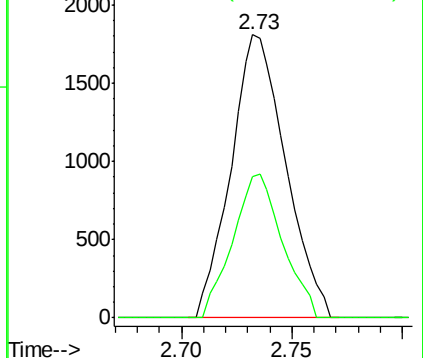
142 100

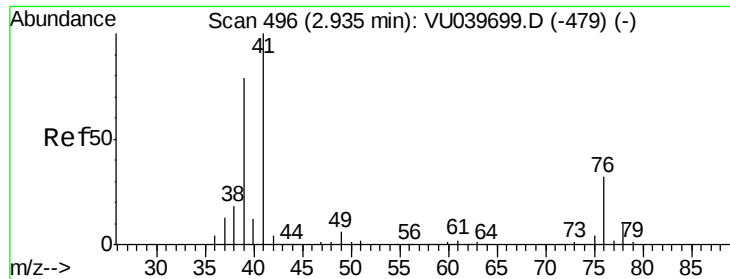
127 46.1 38.4 57.6



Abundance Ion 142.00 (141.70 to 142.70): VU039731.D (-279) (-)

Ion 127.00 (126.70 to 127.70): VU039731.D (-279) (-)

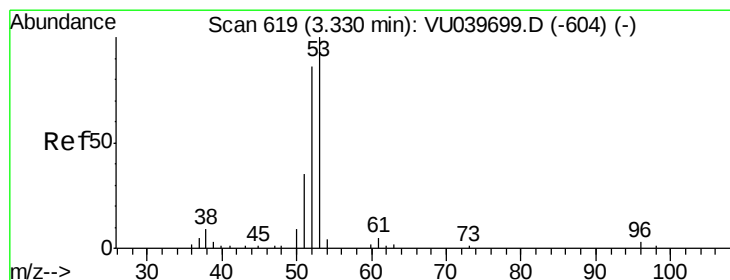
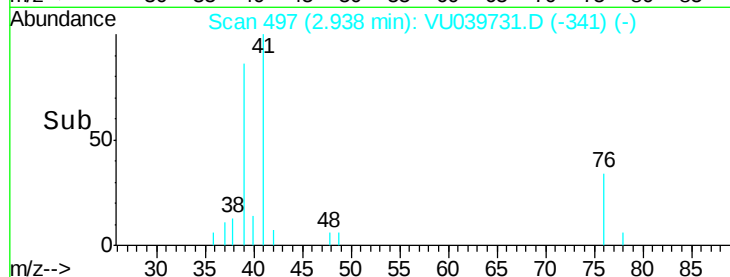
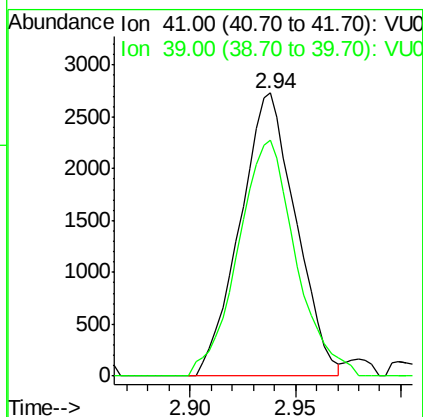
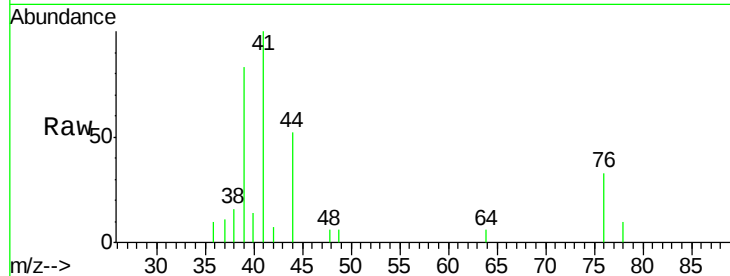




#11
 Allyl Chloride
 Concen: 0.347 ug/l
 RT: 2.94 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

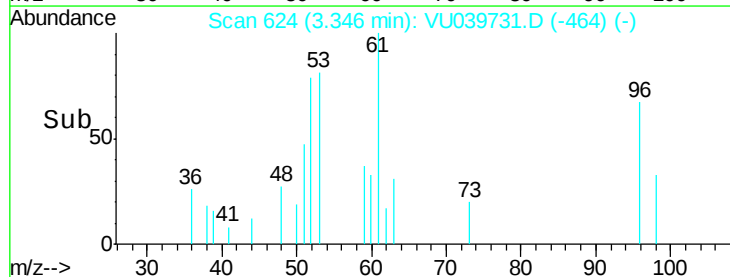
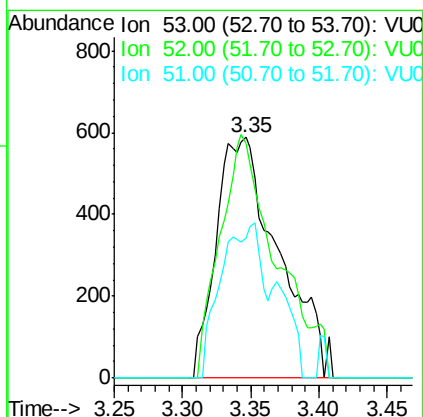
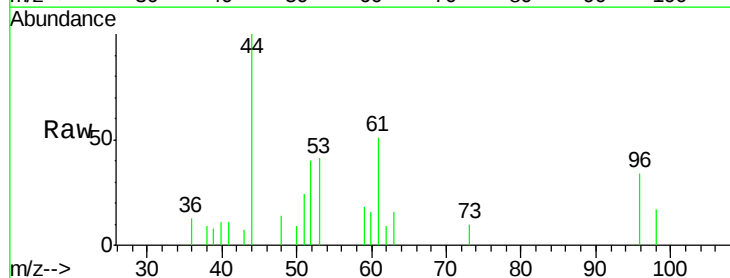
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2020

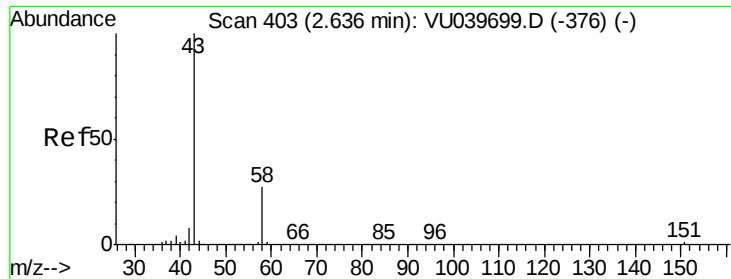
Tgt Ion: 41 Resp: 5028
 Ion Ratio Lower Upper
 41 100
 39 86.0 64.2 96.2



#12
 Acrylonitrile
 Concen: 0.791 ug/l
 RT: 3.35 min Scan# 624
 Delta R.T. 0.02 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Tgt Ion: 53 Resp: 1867
 Ion Ratio Lower Upper
 53 100
 52 88.1 69.1 103.7
 51 24.2 29.4 44.2#





#13

Acetone

Concen: 2.318 ug/l

RT: 2.66 min Scan# 411

Delta R.T. 0.03 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

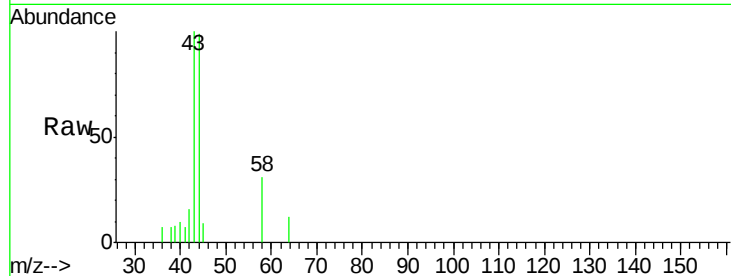
MDL-WATER-03-QT3-2020

Tgt Ion: 43 Resp: 5146

Ion Ratio Lower Upper

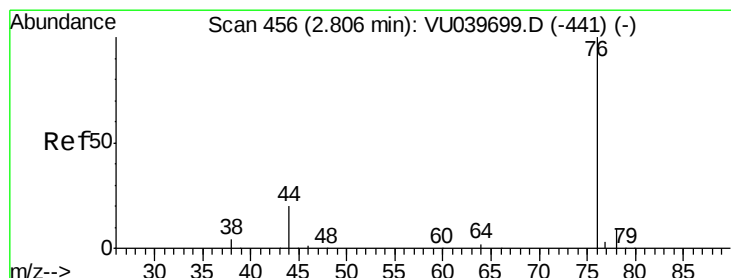
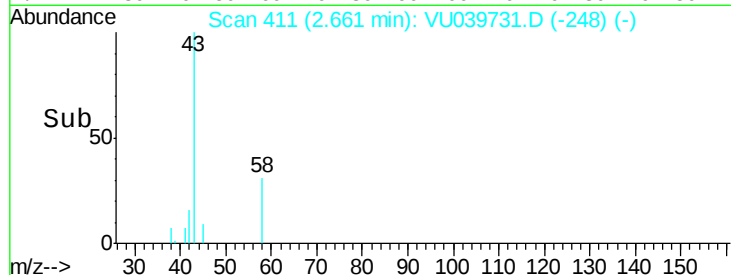
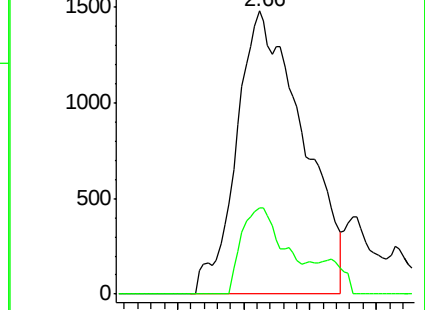
43 100

58 30.7 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU039731.D (-411) (-)

Ion 58.00 (57.70 to 58.70): VU039731.D (-411) (-)



#14

Carbon Disulfide

Concen: 0.368 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039731.D

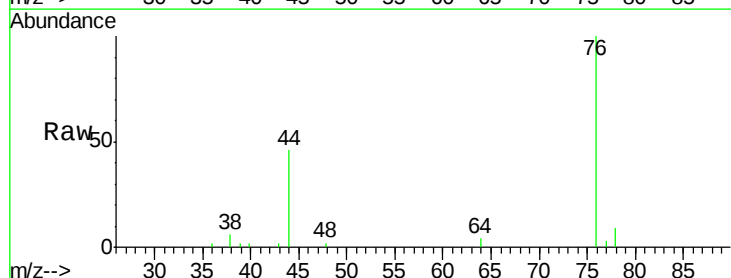
Acq: 31 Jul 2020 13:06

Tgt Ion: 76 Resp: 9072

Ion Ratio Lower Upper

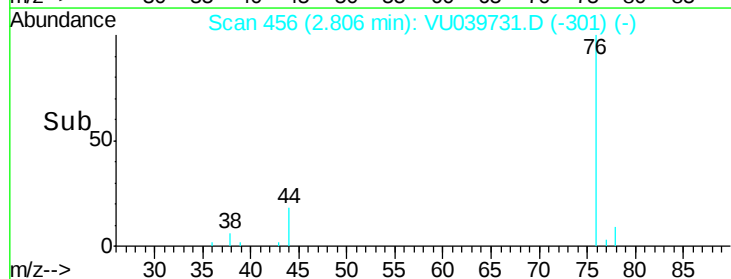
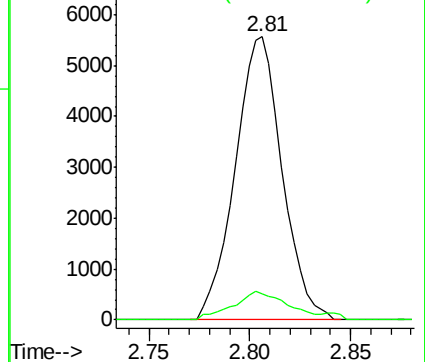
76 100

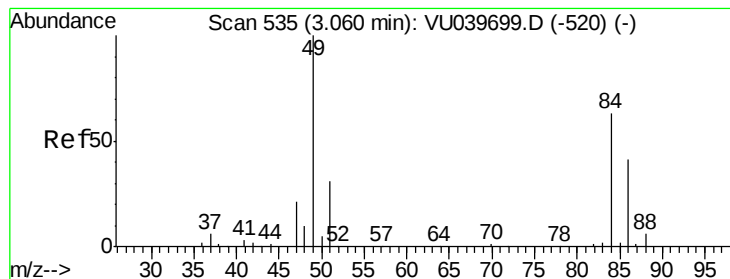
78 9.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU039731.D (-301) (-)

Ion 78.00 (77.70 to 78.70): VU039731.D (-301) (-)





#15

Methylene Chloride

Concen: 0.568 ug/l

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2020

Tgt Ion: 84 Resp: 5323

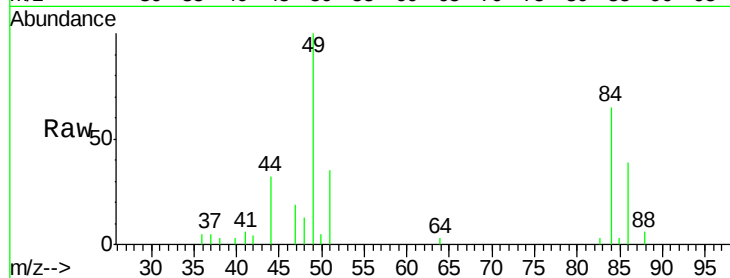
Ion Ratio Lower Upper

84 100

49 153.2 126.8 190.2

51 54.0 0.0 97.2

86 60.5 51.4 77.2

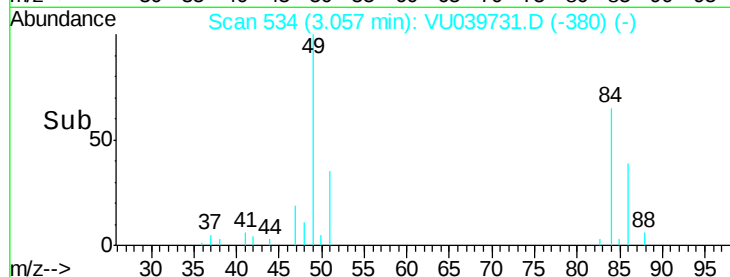


Abundance Ion 84.00 (83.70 to 84.70): VU0

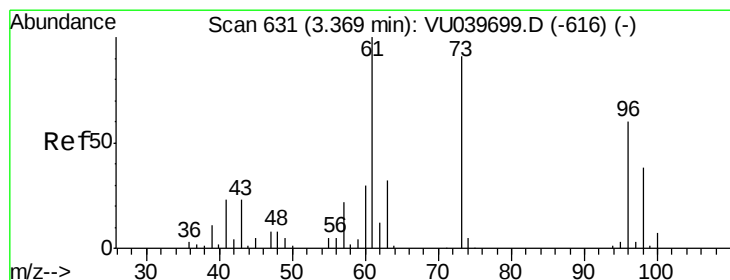
Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



Time-->



#16

trans-1,2-Dichloroethene

Concen: 0.362 ug/l

RT: 3.36 min Scan# 629

Delta R.T. -0.01 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

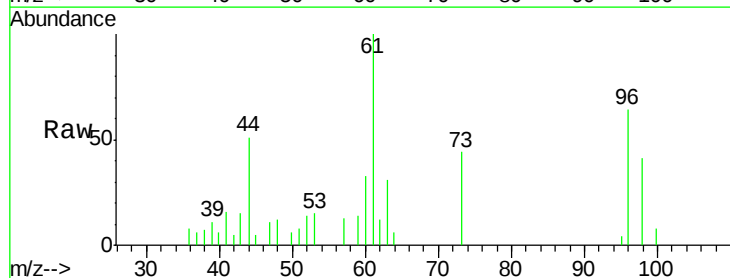
Tgt Ion: 96 Resp: 2766

Ion Ratio Lower Upper

96 100

61 156.8 132.6 199.0

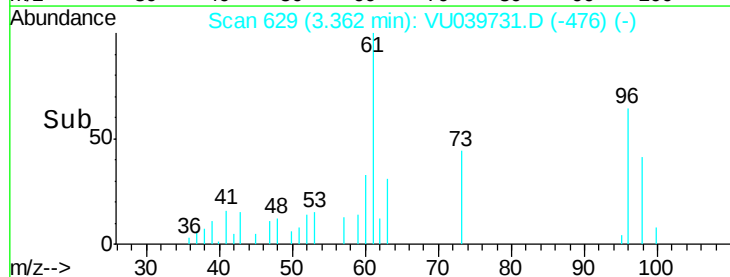
98 63.6 50.2 75.2



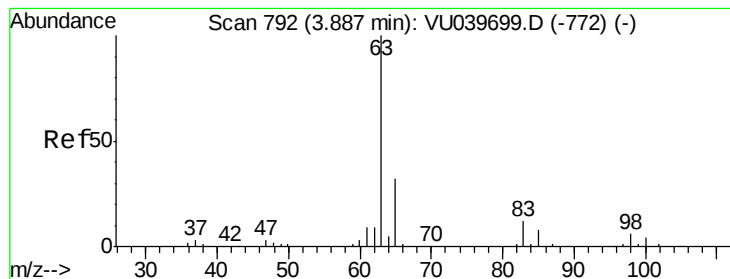
Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



Time-->



#17

1,1-Dichloroethane

Concen: 0.360 ug/l

RT: 3.88 min Scan# 791

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

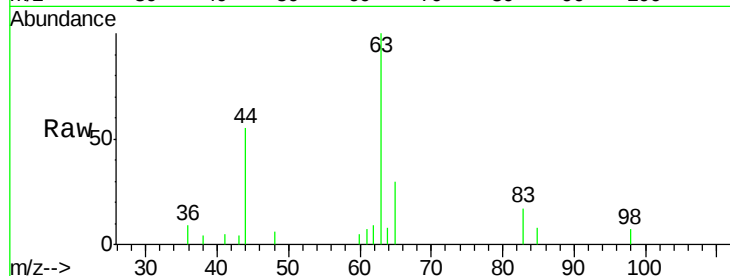
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2020

Tgt Ion:	63	Resp:	6039
Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.9	8.7
100	0.0	2.0	6.0

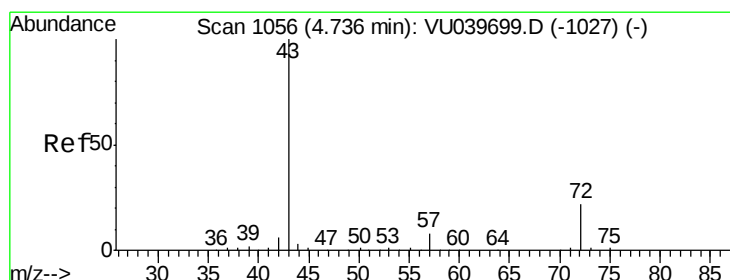
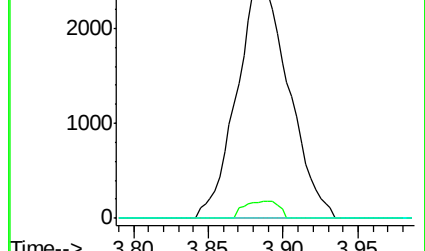
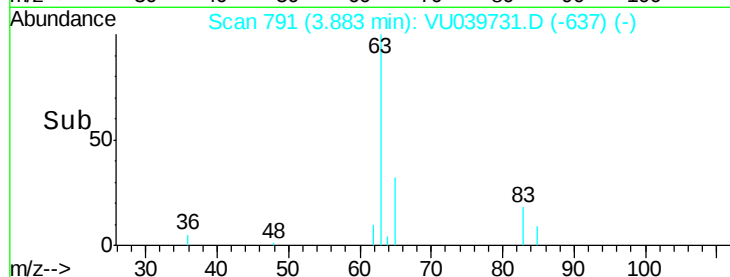


Abundance Ion 63.00 (62.70 to 63.70): VU039699.D (-772) (-)

Ion 98.00 (97.70 to 98.70): VU039699.D (-772) (-)

Ion 100.00 (99.70 to 100.70): VU039699.D (-772) (-)

Time-->



#18

2-Butanone

Concen: 1.946 ug/l

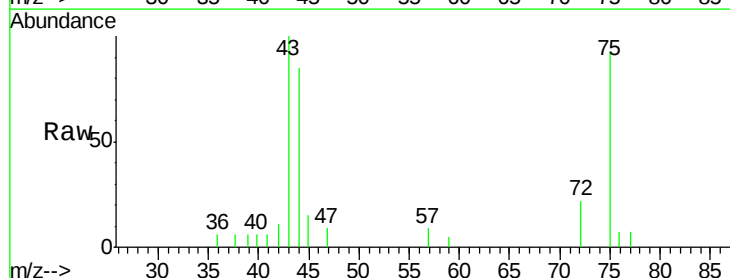
RT: 4.75 min Scan# 1061

Delta R.T. 0.02 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

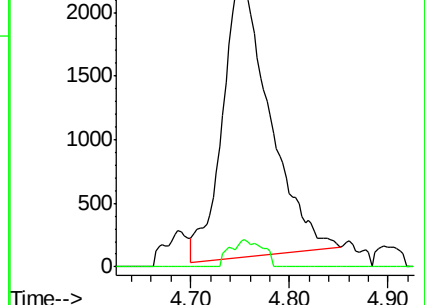
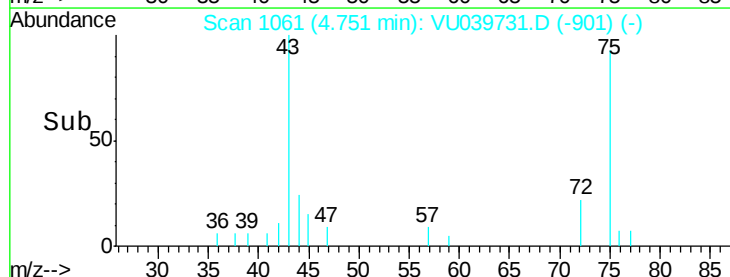
Tgt Ion:	43	Resp:	7267
Ion	Ratio	Lower	Upper
43	100		
57	10.1	0.0	15.2

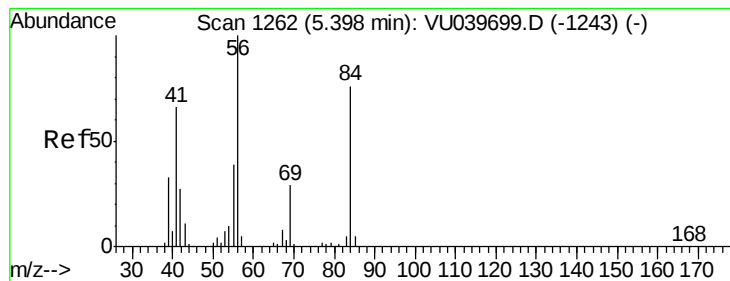


Abundance Ion 43.00 (42.70 to 43.70): VU039699.D (-1027) (-)

Ion 57.00 (56.70 to 57.70): VU039699.D (-1027) (-)

Time-->





#19

Cyclohexane

Concen: 0.355 ug/l m

RT: 5.40 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2020

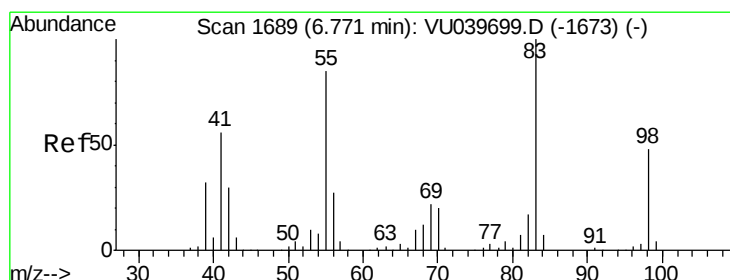
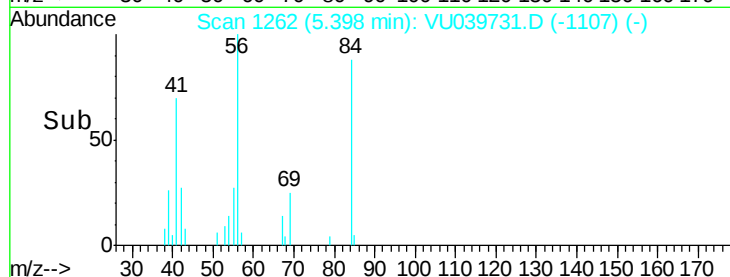
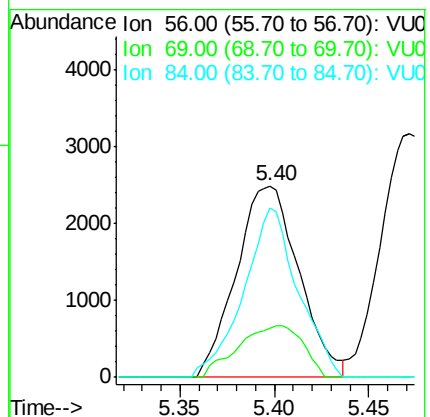
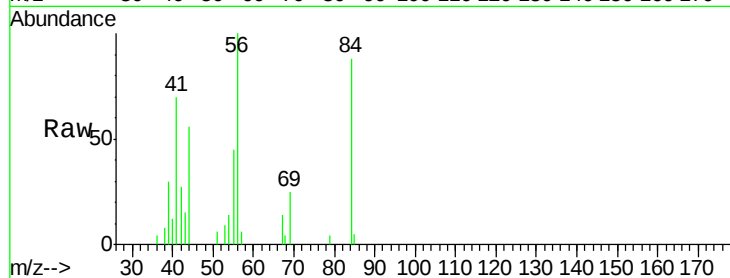
Tgt Ion: 56 Resp: 5767

Ion Ratio Lower Upper

56 100

69 27.8 22.8 34.2

84 76.9 59.9 89.9



#20

Methylcyclohexane

Concen: 0.396 ug/l

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

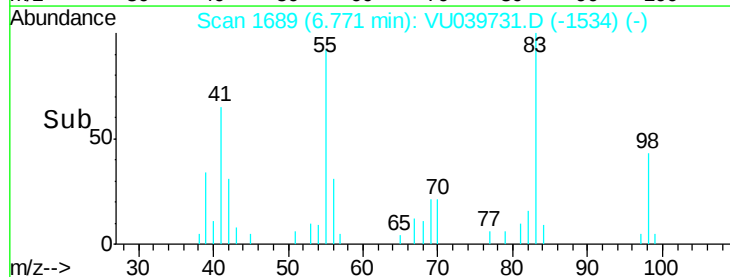
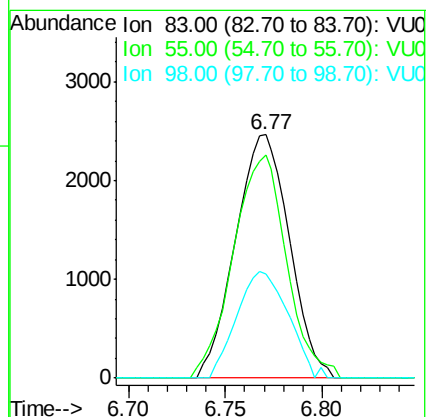
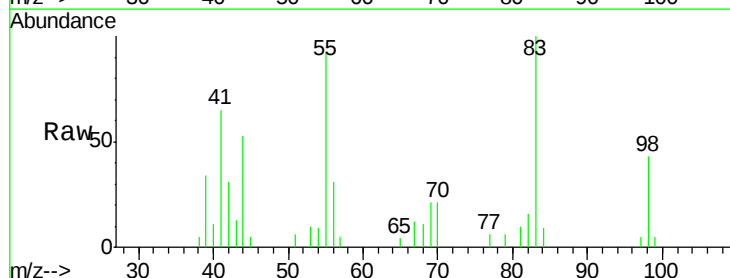
Tgt Ion: 83 Resp: 4773

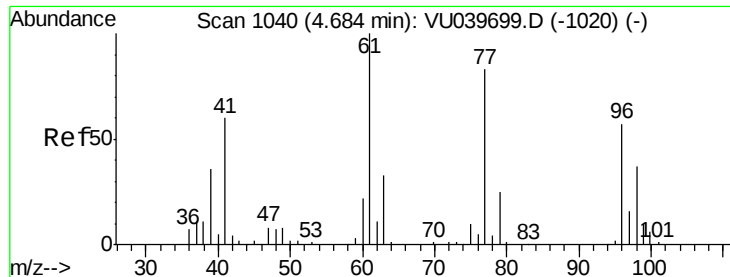
Ion Ratio Lower Upper

83 100

55 90.6 67.6 101.4

98 41.7 37.3 55.9

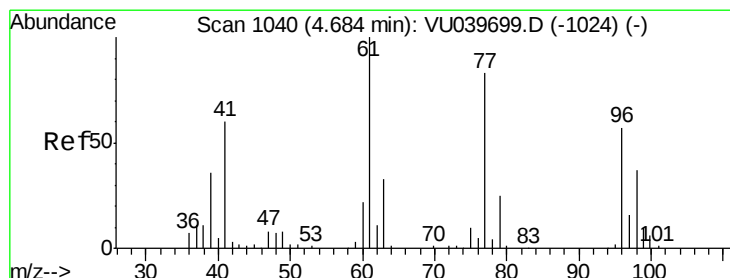
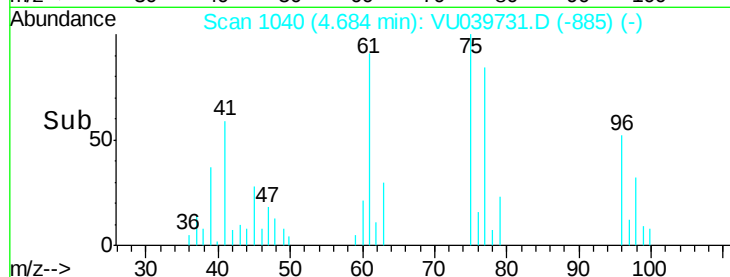
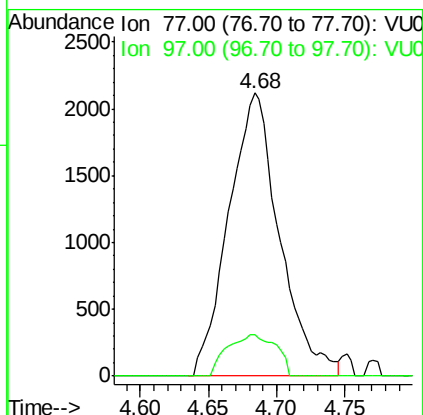
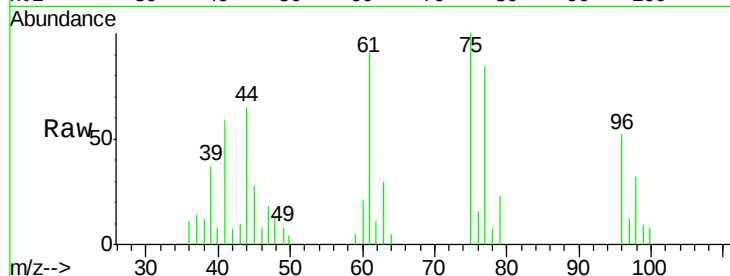




#21
 2,2-Dichloropropane
 Concen: 0.400 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

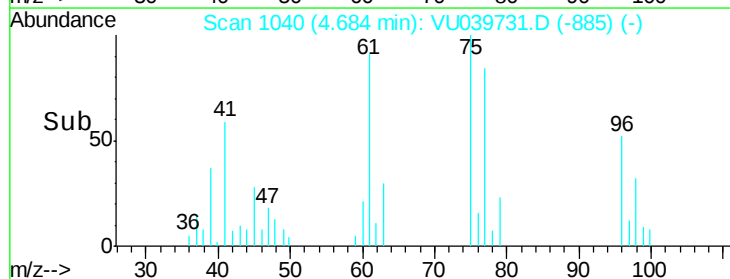
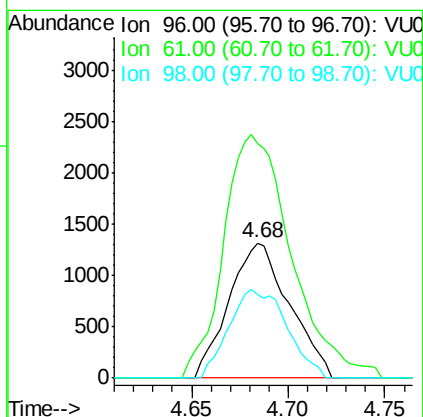
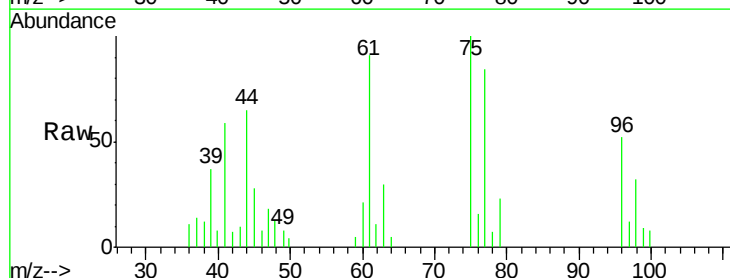
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2020

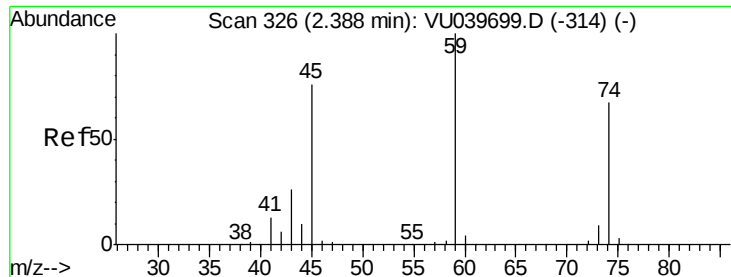
Tgt Ion: 77 Resp: 5476
 Ion Ratio Lower Upper
 77 100
 97 14.0 15.2 22.8#



#22
 cis-1,2-Dichloroethene
 Concen: 0.347 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Tgt Ion: 96 Resp: 2858
 Ion Ratio Lower Upper
 96 100
 61 202.5 0.0 451.3
 98 63.0 32.6 98.0





#23

Diethyl Ether

Concen: 0.367 ug/l

RT: 2.39 min Scan# 326

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2020

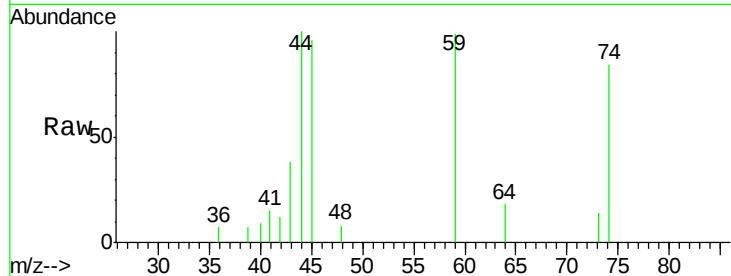
Tgt Ion: 59 Resp: 2521

Ion Ratio Lower Upper

59 100

45 90.2 61.5 92.3

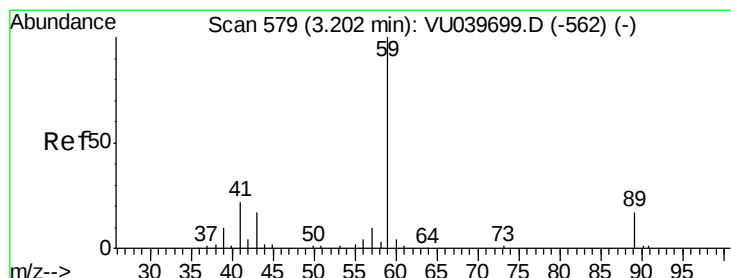
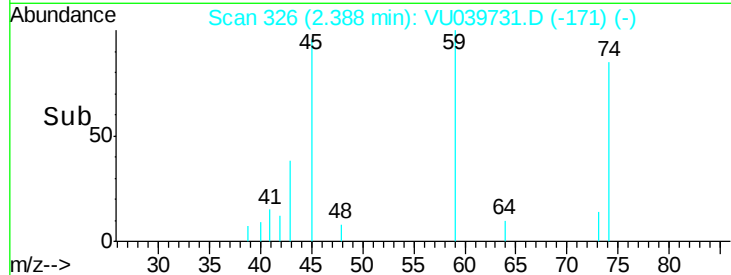
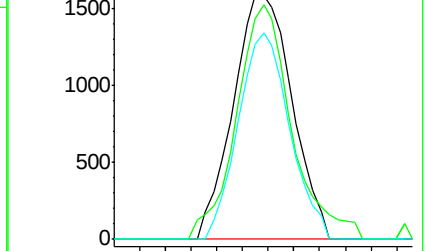
74 73.8 54.3 81.5



Abundance Ion 59.00 (58.70 to 59.70): VU039731.D (-171) (-)

Ion 45.00 (44.70 to 45.70): VU039731.D (-171) (-)

Ion 74.00 (73.70 to 74.70): VU039731.D (-171) (-)



#24

tert-Butyl Alcohol

Concen: 0.945 ug/l m

RT: 3.20 min Scan# 578

Delta R.T. -0.00 min

Lab File: VU039731.D

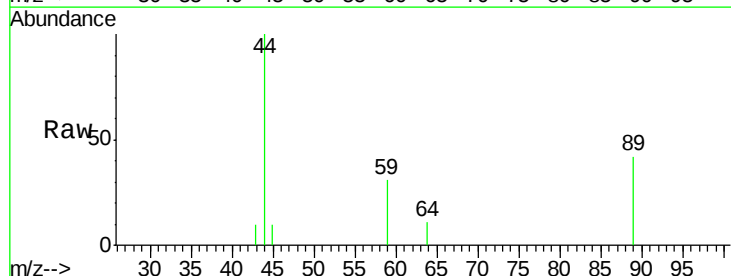
Acq: 31 Jul 2020 13:06

Tgt Ion: 59 Resp: 1157

Ion Ratio Lower Upper

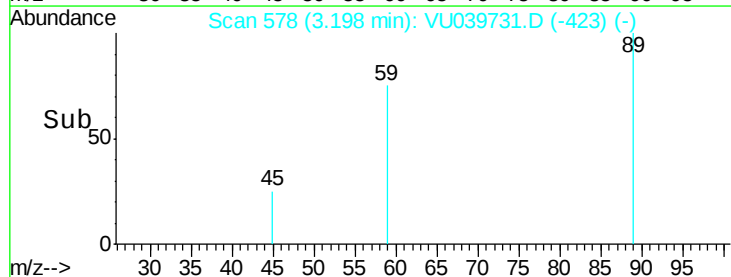
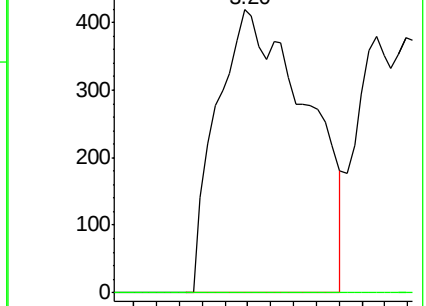
59 100

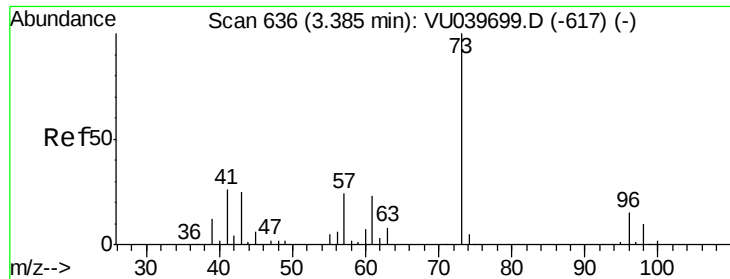
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VU039731.D (-423) (-)

Ion 57.00 (56.70 to 57.70): VU039731.D (-423) (-)





#25

Methyl tert-Butyl Ether

Concen: 0.348 ug/l

RT: 3.38 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

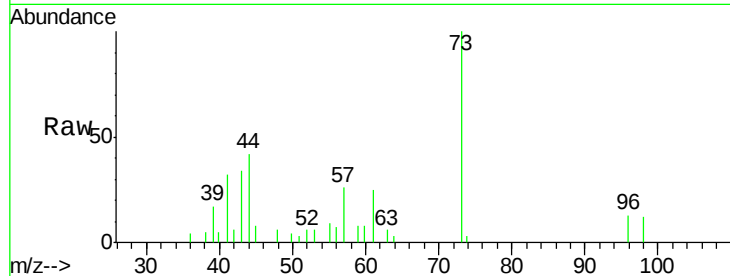
MDL-WATER-03-QT3-2020

Tgt Ion: 73 Resp: 7636

Ion Ratio Lower Upper

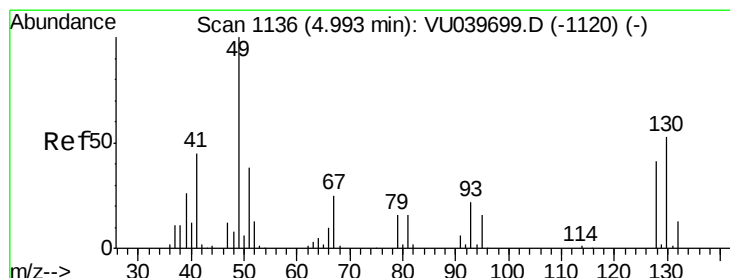
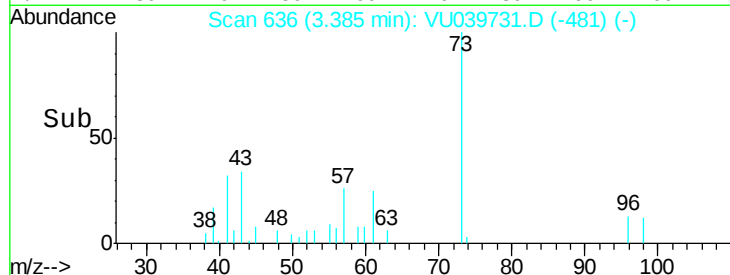
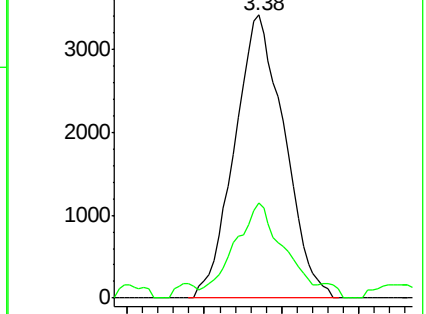
73 100

43 27.2 20.1 30.1



Abundance Ion 73.00 (72.70 to 73.70): VU039731.D (-481) (-)

Ion 43.00 (42.70 to 43.70): VU039731.D (-481) (-)



#26

Bromochloromethane

Concen: 0.367 ug/l

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

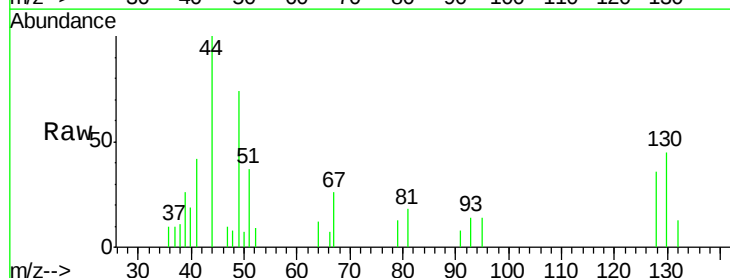
Tgt Ion: 128 Resp: 1236

Ion Ratio Lower Upper

128 100

49 230.5 0.0 503.8

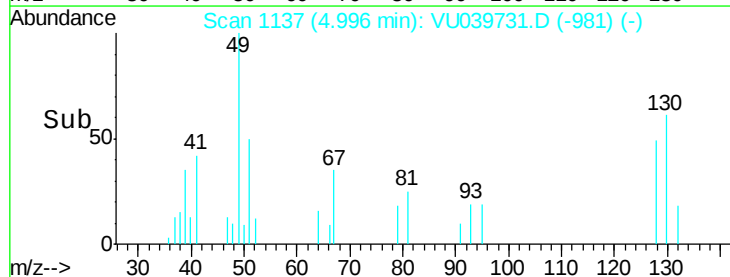
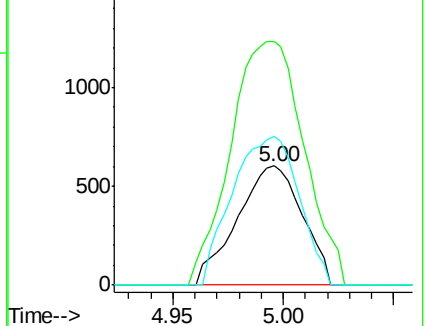
130 128.1 102.7 154.1

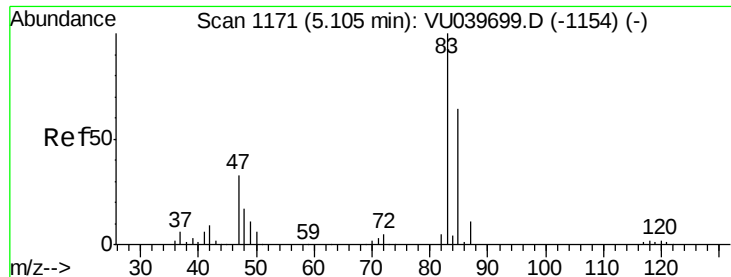


Abundance Ion 128.00 (127.70 to 128.70): VU039731.D (-981) (-)

Ion 49.00 (48.70 to 49.70): VU039731.D (-981) (-)

Ion 130.00 (129.70 to 130.70): VU039731.D (-981) (-)

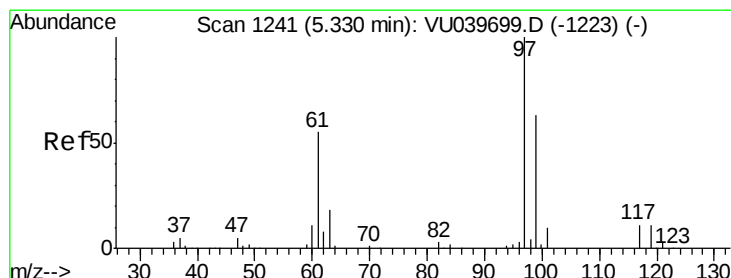
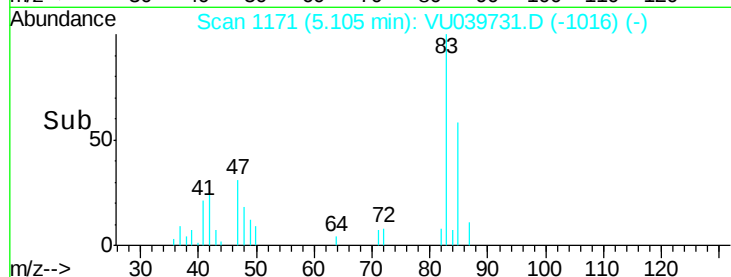
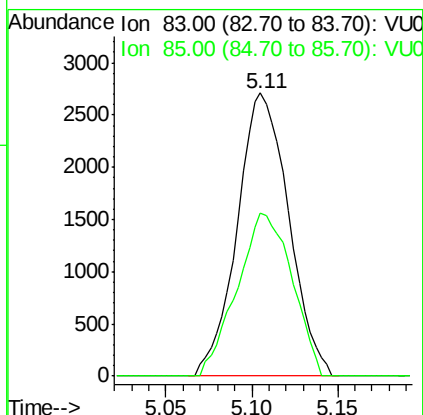
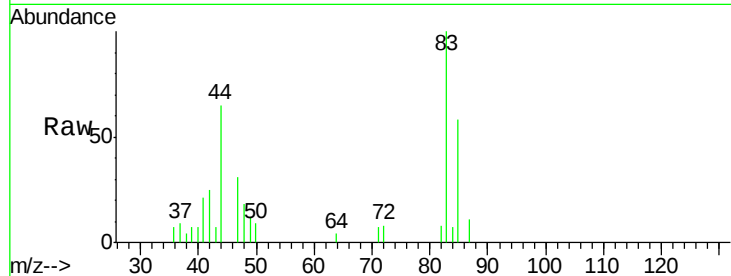




#27
Chloroform
Concen: 0.358 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

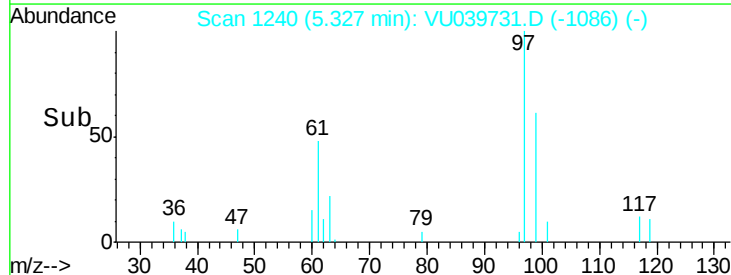
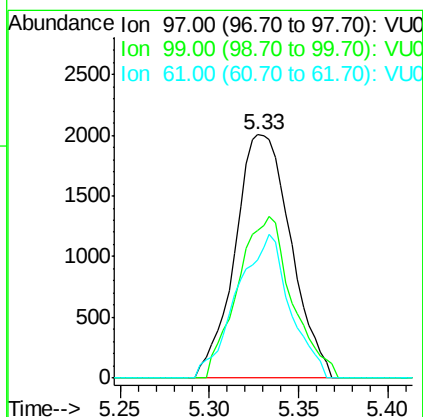
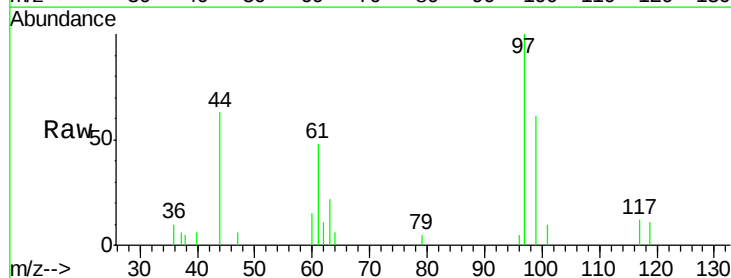
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2020

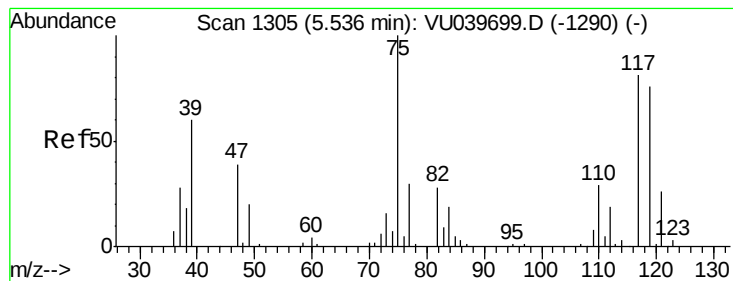
Tgt Ion: 83 Resp: 5626
Ion Ratio Lower Upper
83 100
85 57.5 0.0 128.8



#28
1,1,1-Trichloroethane
Concen: 0.344 ug/l
RT: 5.33 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

Tgt Ion: 97 Resp: 4373
Ion Ratio Lower Upper
97 100
99 64.7 32.2 96.6
61 55.7 28.3 85.0





#29

1,1-Dichloropropene

Concen: 0.374 ug/l

RT: 5.53 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2020

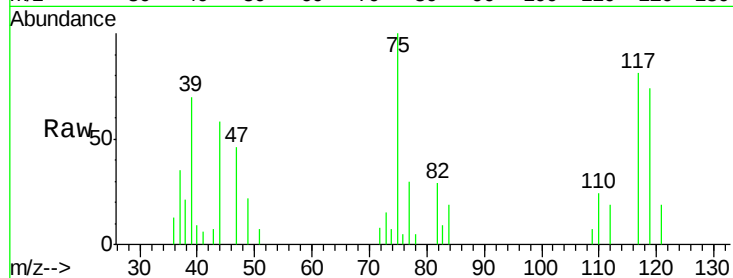
Tgt Ion: 75 Resp: 4582

Ion Ratio Lower Upper

75 100

110 22.6 14.6 44.0

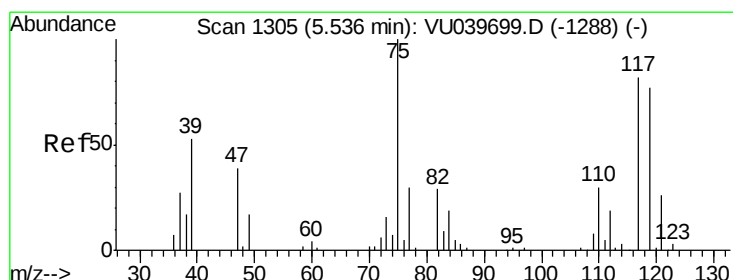
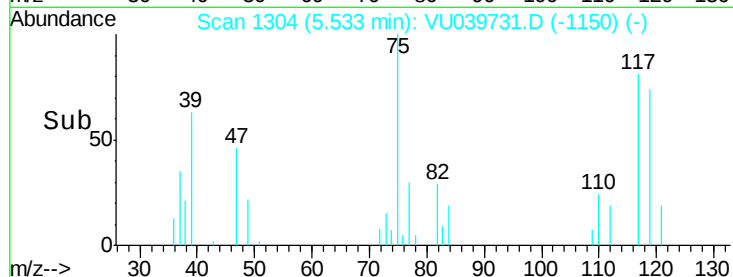
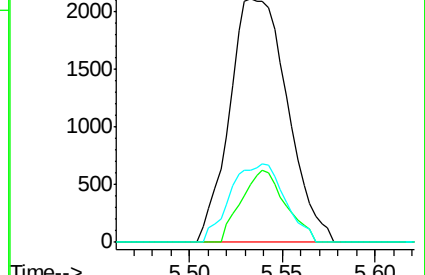
77 30.4 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VU039699.D (-1290) (-)

Ion 110.00 (109.70 to 110.70): VU039699.D (-1290) (-)

Ion 77.00 (76.70 to 77.70): VU039699.D (-1290) (-)



#30

Carbon Tetrachloride

Concen: 0.350 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

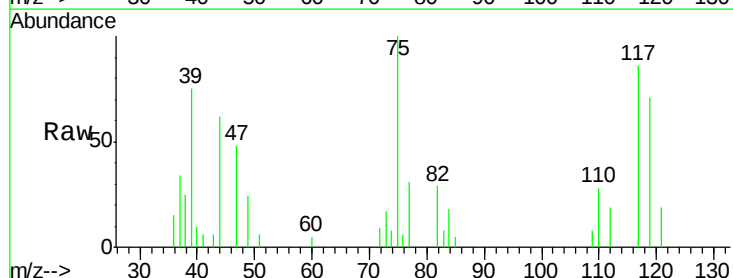
Tgt Ion: 117 Resp: 3638

Ion Ratio Lower Upper

117 100

119 82.3 75.2 112.8

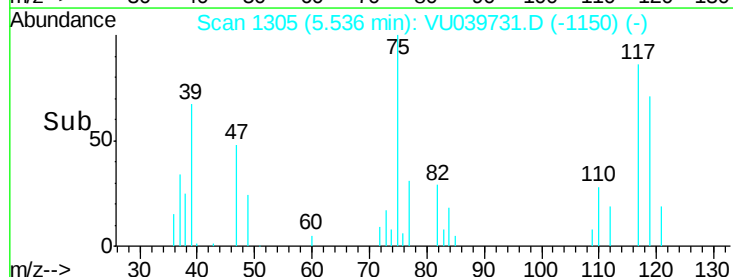
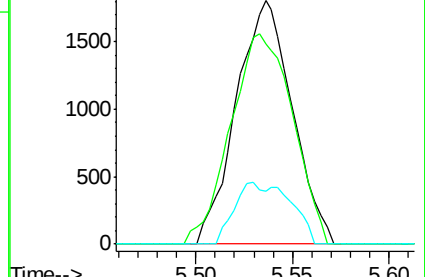
121 21.6 25.4 38.2#

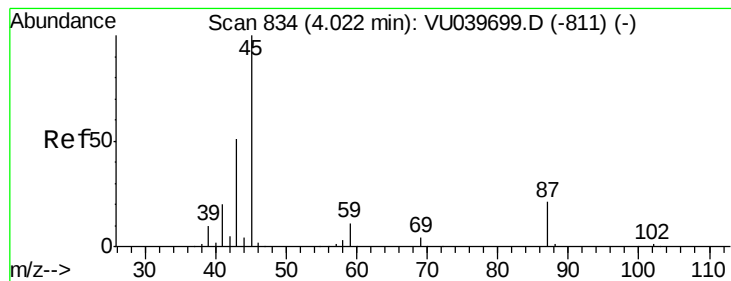


Abundance Ion 117.00 (116.70 to 117.70): VU039699.D (-1288) (-)

Ion 119.00 (118.70 to 119.70): VU039699.D (-1288) (-)

Ion 121.00 (120.70 to 121.70): VU039699.D (-1288) (-)





#31

Isopropyl Ether

Concen: 0.371 ug/l

RT: 4.02 min Scan# 833

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

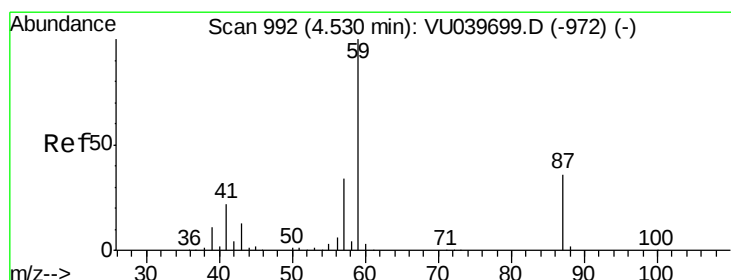
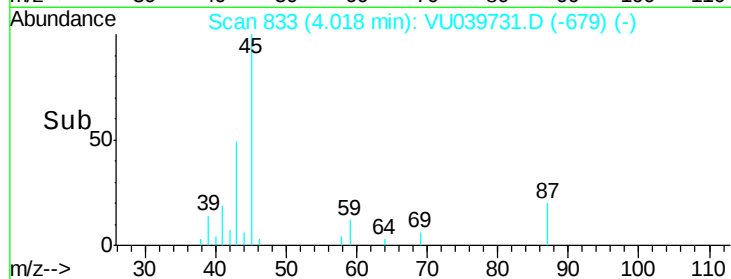
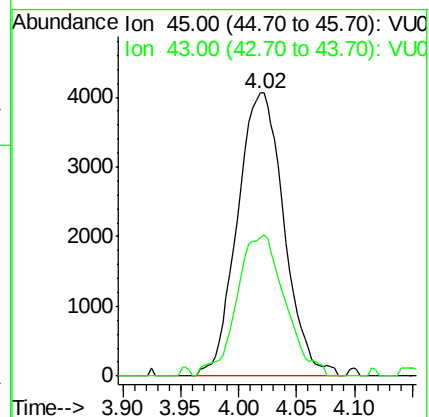
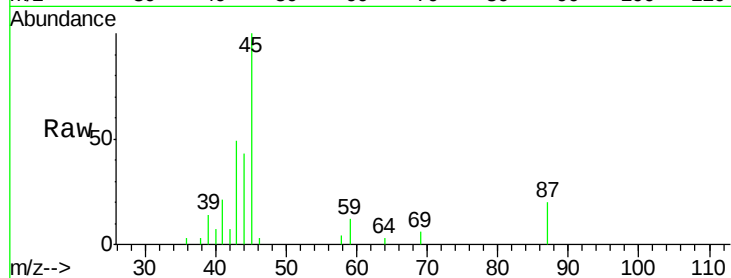
MDL-WATER-03-QT3-2020

Tgt Ion: 45 Resp: 11349

Ion Ratio Lower Upper

45 100

43 51.5 26.5 79.4



#32

Ethyl-t-butyl ether

Concen: 0.350 ug/l

RT: 4.53 min Scan# 992

Delta R.T. -0.00 min

Lab File: VU039731.D

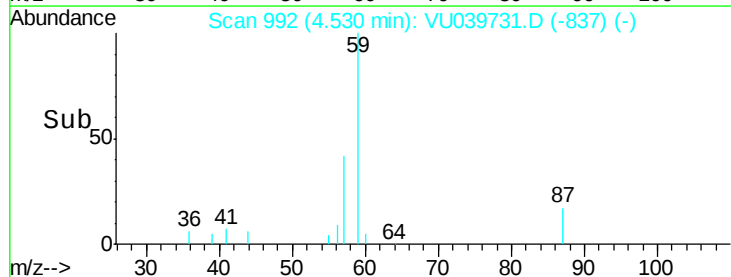
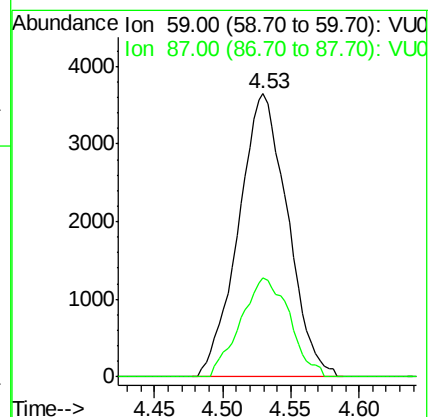
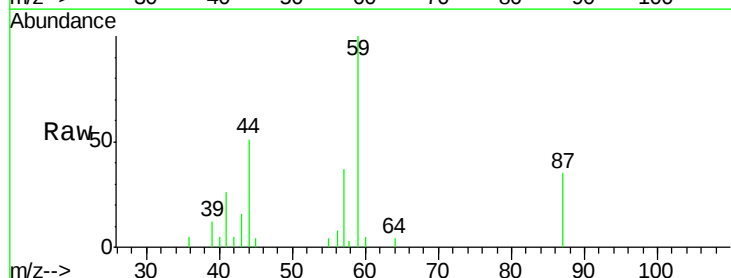
Acq: 31 Jul 2020 13:06

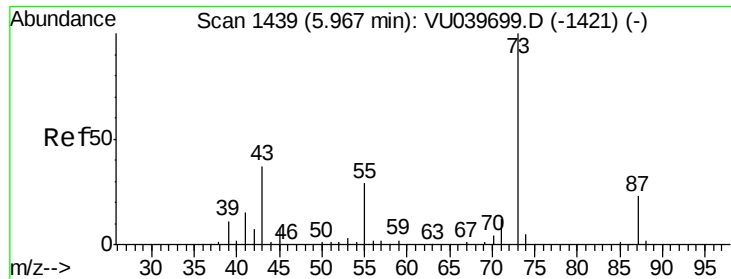
Tgt Ion: 59 Resp: 9110

Ion Ratio Lower Upper

59 100

87 34.9 29.4 44.0

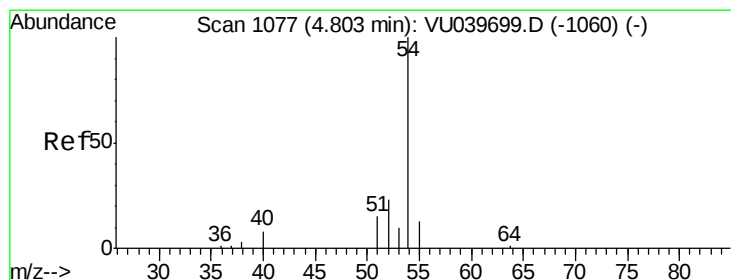
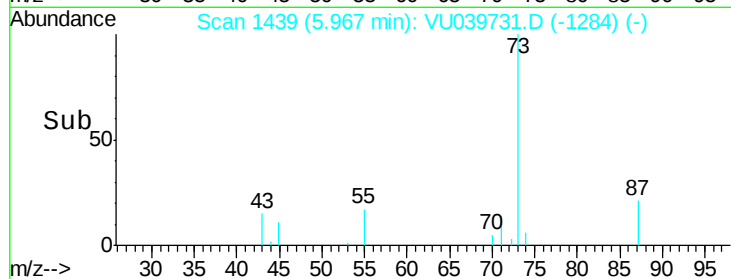
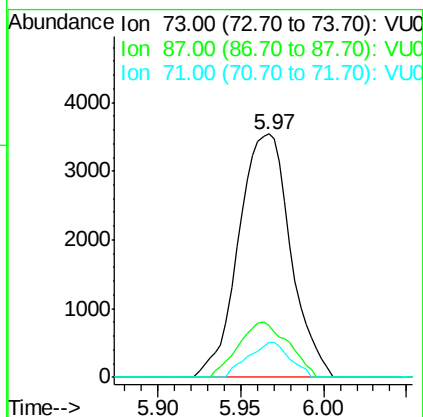
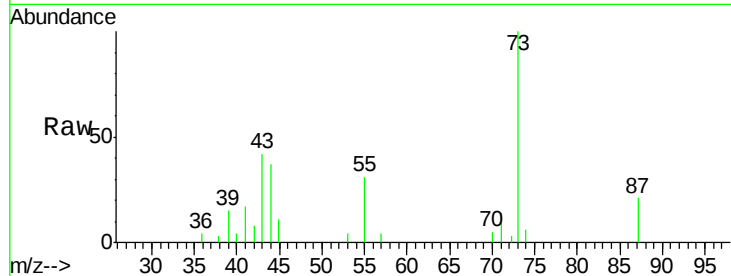




#33
Tert-Amyl methyl ether
Concen: 0.412 ug/l
RT: 5.97 min Scan# 1439
Delta R.T. -0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

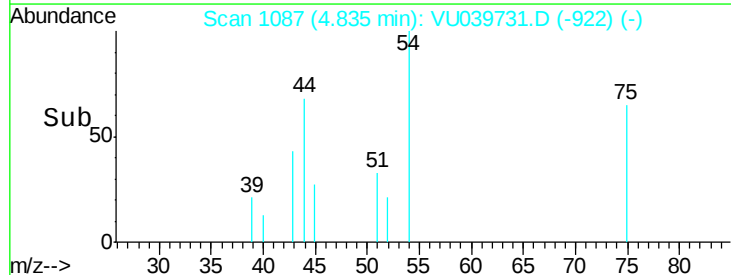
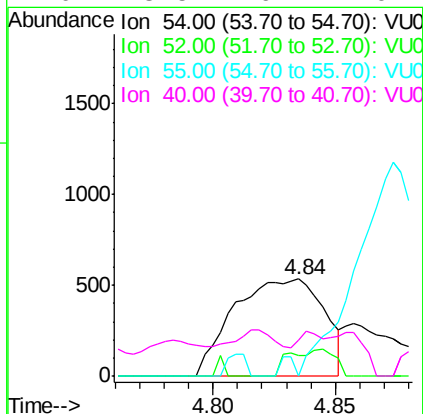
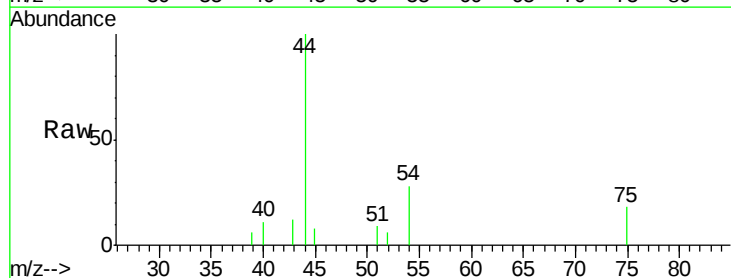
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2020

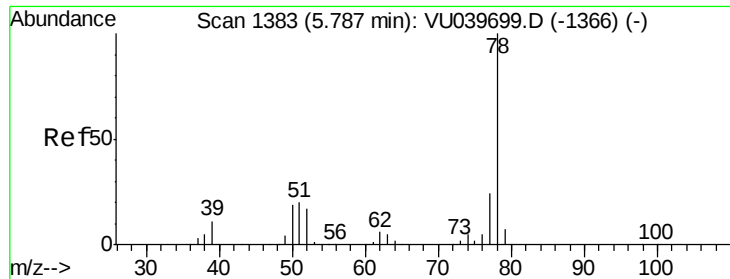
Tgt Ion: 73 Resp: 7743
Ion Ratio Lower Upper
73 100
87 21.8 18.7 28.1
71 11.5 9.1 13.7



#34
Propionitrile
Concen: 1.488 ug/l
RT: 4.84 min Scan# 1087
Delta R.T. 0.03 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

Tgt Ion: 54 Resp: 1371
Ion Ratio Lower Upper
54 100
52 6.6 16.9 25.3#
55 0.0 12.9 19.3#
40 3.5 6.2 9.2#





#35

Benzene

Concen: 0.425 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

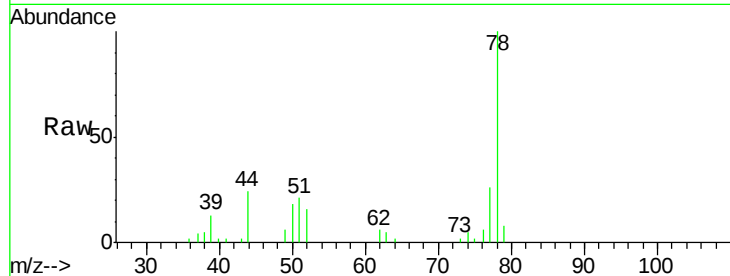
MDL-WATER-03-QT3-2020

Tgt Ion: 78 Resp: 12870

Ion Ratio Lower Upper

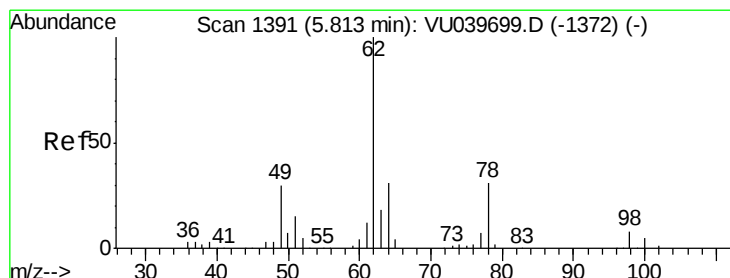
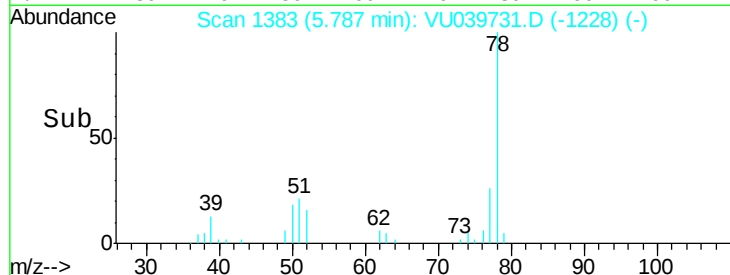
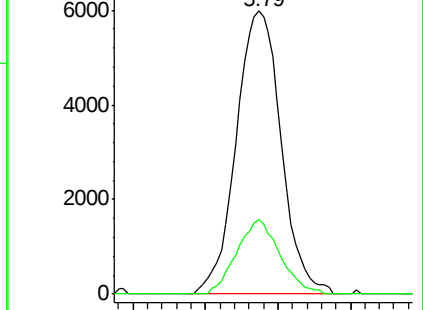
78 100

77 26.3 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VU039731.D (-1228) (-)

Ion 77.00 (76.70 to 77.70): VU039731.D (-1228) (-)



#36

1,2-Dichloroethane

Concen: 0.416 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU039731.D

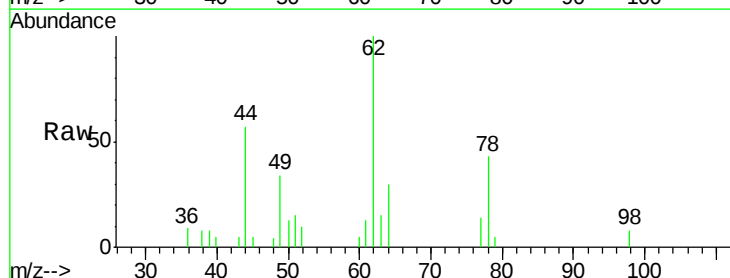
Acq: 31 Jul 2020 13:06

Tgt Ion: 62 Resp: 4720

Ion Ratio Lower Upper

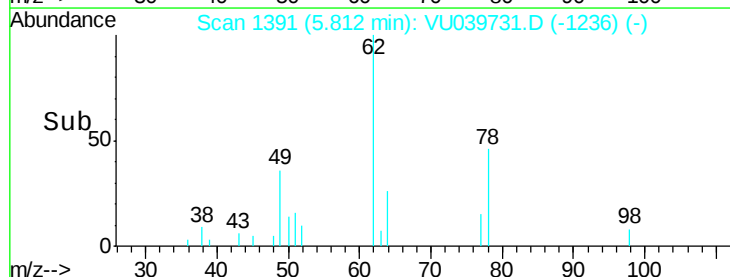
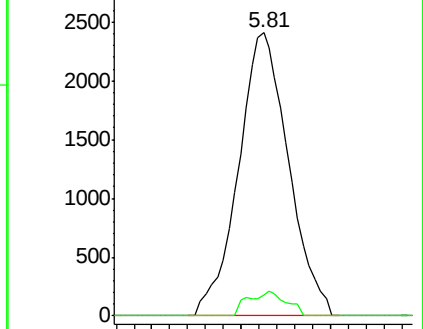
62 100

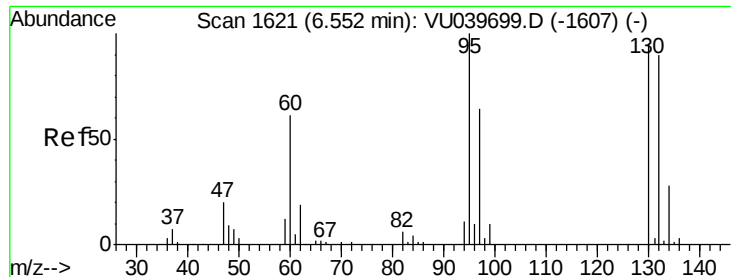
98 6.6 6.2 9.2



Abundance Ion 62.00 (61.70 to 62.70): VU039731.D (-1236) (-)

Ion 98.00 (97.70 to 98.70): VU039731.D (-1236) (-)

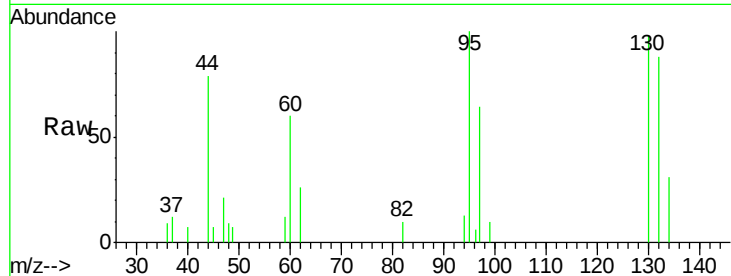




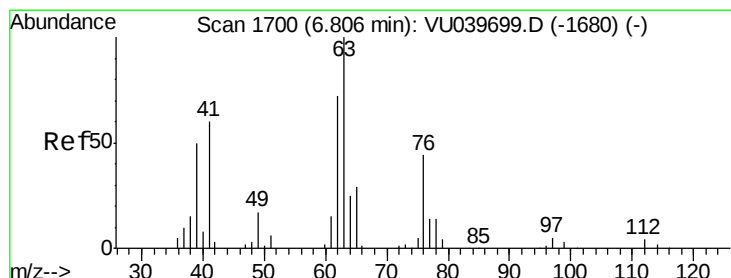
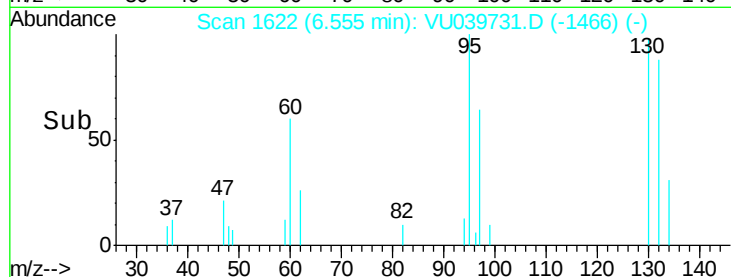
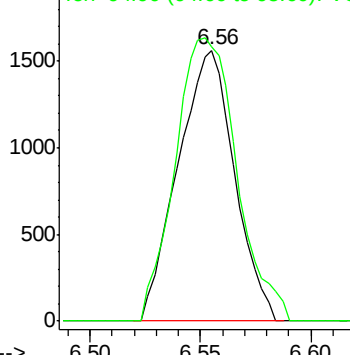
#37
 Trichloroethene
 Concen: 0.401 ug/l
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tgt Ion: 130 Resp: 2776
 Ion Ratio Lower Upper
 130 100
 95 101.5 84.3 126.5

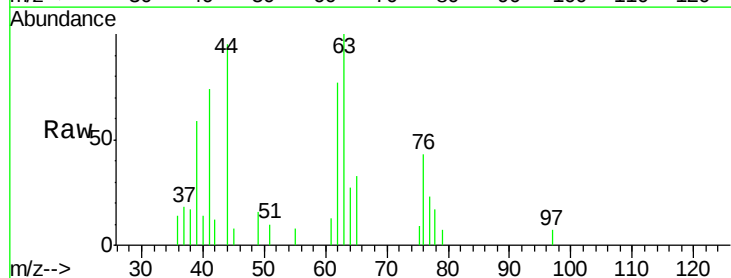


Abundance Ion 129.90 (129.60 to 130.60): VU039699.D (-1607) (-)
 Ion 94.90 (94.60 to 95.60): VU039699.D (-1607) (-)

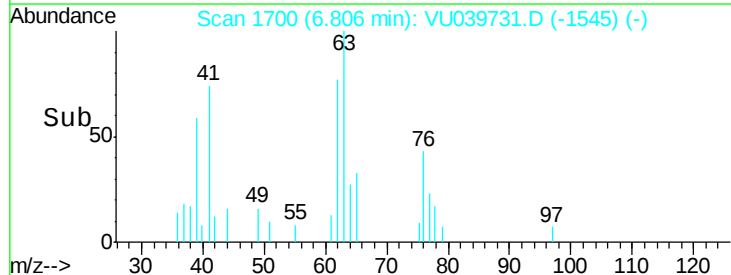
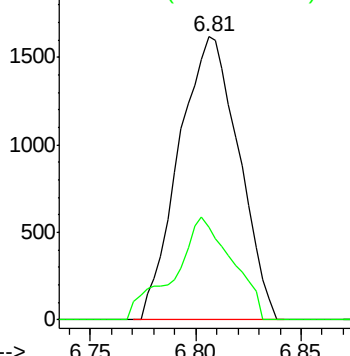


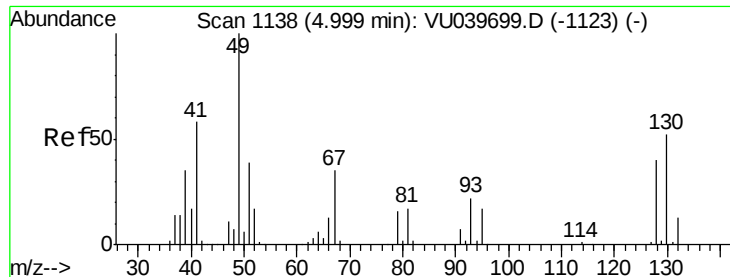
#38
 1,2-Dichloropropane
 Concen: 0.382 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Tgt Ion: 63 Resp: 3191
 Ion Ratio Lower Upper
 63 100
 65 32.9 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VU039699.D (-1680) (-)
 Ion 65.00 (64.70 to 65.70): VU039699.D (-1680) (-)

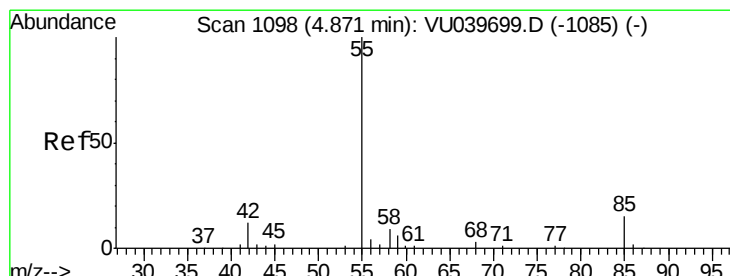
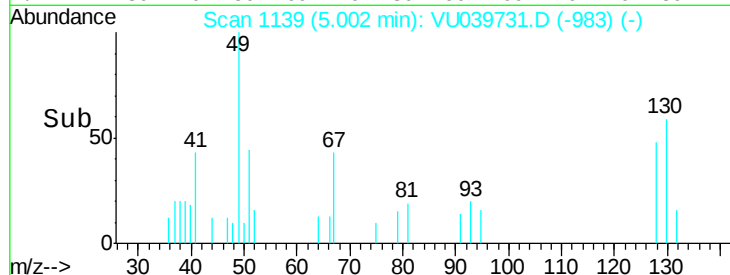
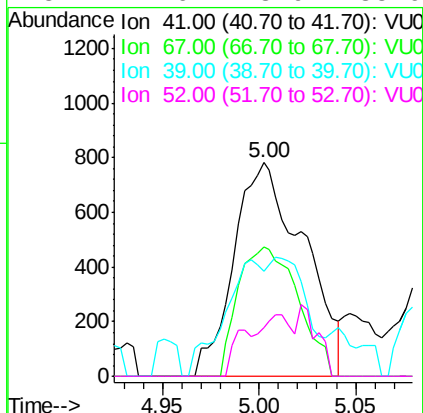
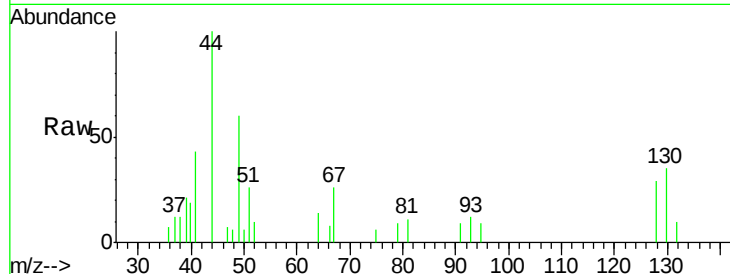




#39
Methacrylonitrile
Concen: 0.404 ug/l
RT: 5.00 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

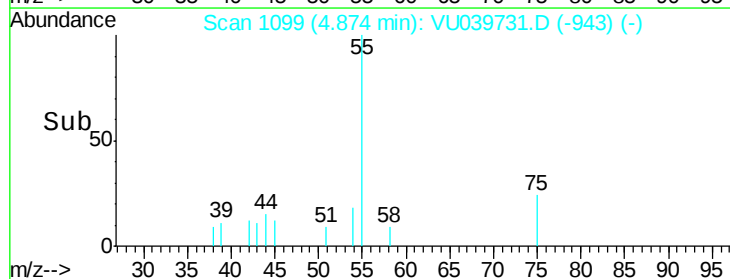
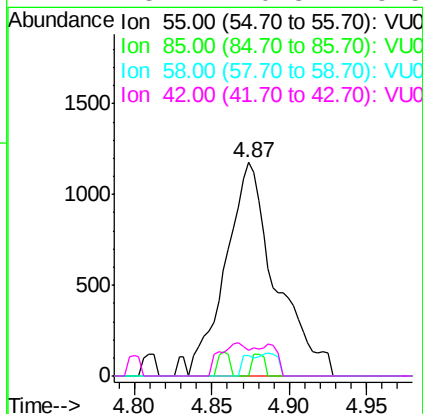
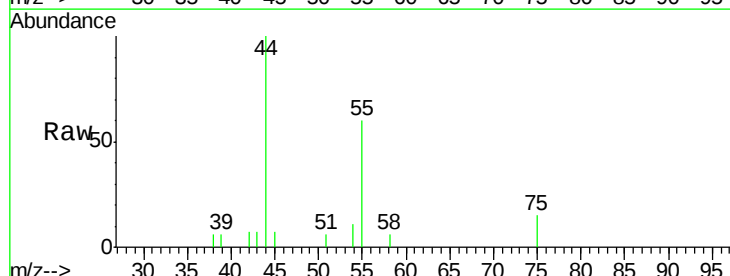
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2020

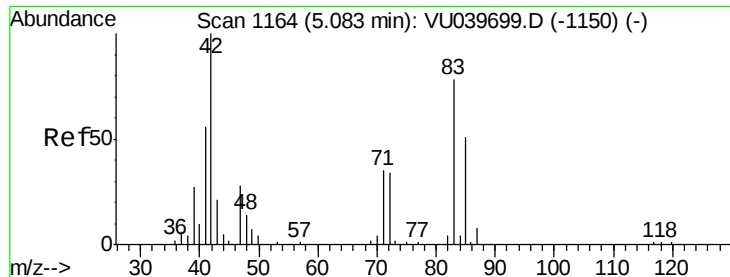
Tgt Ion: 41 Resp: 1963
Ion Ratio Lower Upper
41 100
67 51.9 48.3 72.5
39 0.0 47.6 71.4#
52 11.6 23.9 35.9#



#40
Methyl acrylate
Concen: 0.422 ug/l
RT: 4.87 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

Tgt Ion: 55 Resp: 2641
Ion Ratio Lower Upper
55 100
85 0.0 11.4 17.0#
58 2.3 7.4 11.0#
42 8.7 10.3 15.5#





#41

Tetrahydrofuran

Concen: 0.868 ug/l

RT: 5.10 min Scan# 1170

Delta R.T. 0.02 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2020

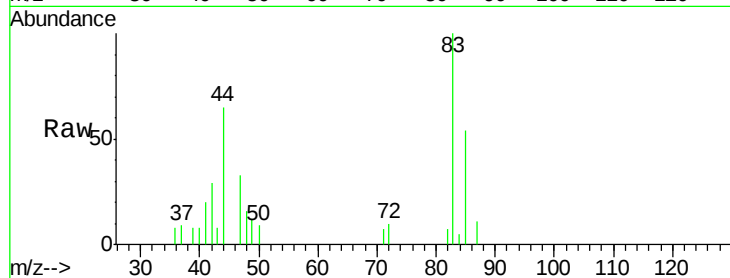
Tgt Ion: 42 Resp: 2120

Ion Ratio Lower Upper

42 100

72 25.4 31.0 46.6#

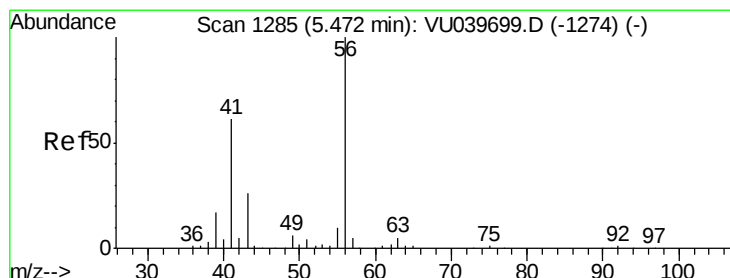
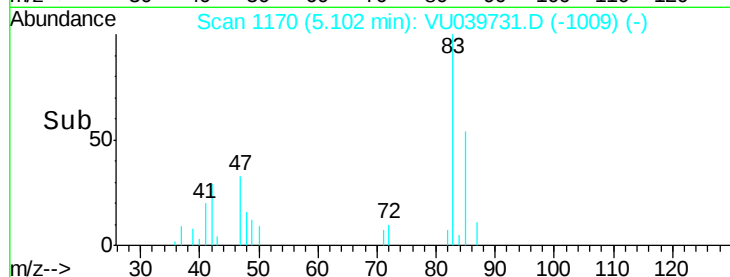
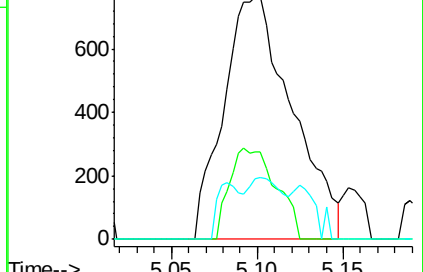
71 5.1 28.2 42.4#



Abundance Ion 42.00 (41.70 to 42.70): VU039731.D (-1170) (-)

Ion 72.00 (71.70 to 72.70): VU039731.D (-1170) (-)

Ion 71.00 (70.70 to 71.70): VU039731.D (-1170) (-)



#42

1-Chlorobutane

Concen: 0.366 ug/l

RT: 5.47 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VU039731.D

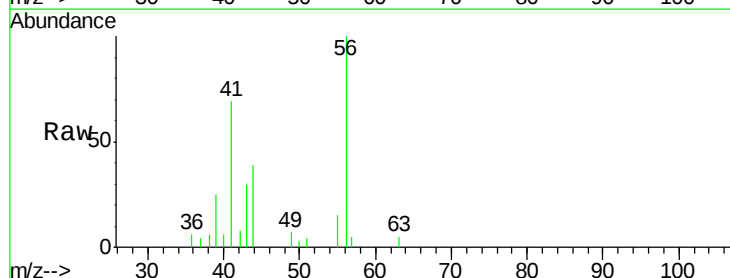
Acq: 31 Jul 2020 13:06

Tgt Ion: 56 Resp: 7039

Ion Ratio Lower Upper

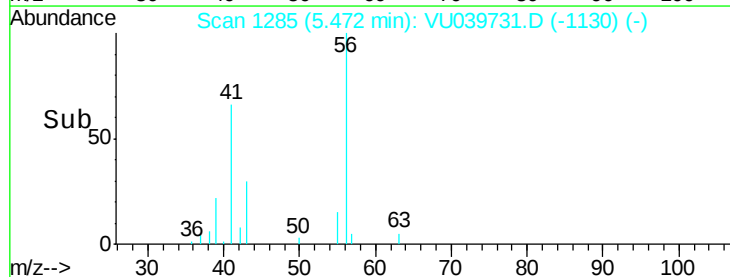
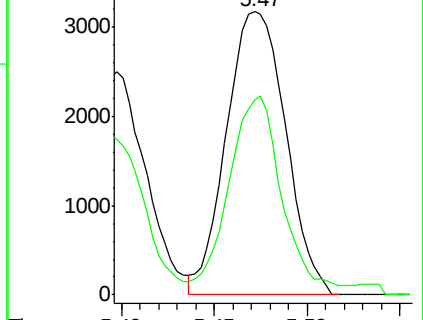
56 100

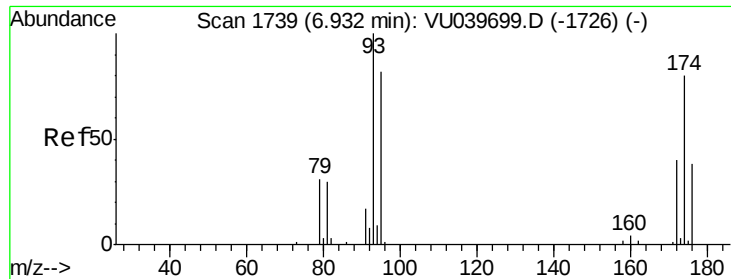
41 58.2 30.5 91.5



Abundance Ion 56.00 (55.70 to 56.70): VU039731.D (-1285) (-)

Ion 41.00 (40.70 to 41.70): VU039731.D (-1285) (-)





#43

Dibromomethane

Concen: 0.396 ug/l

RT: 6.93 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2020

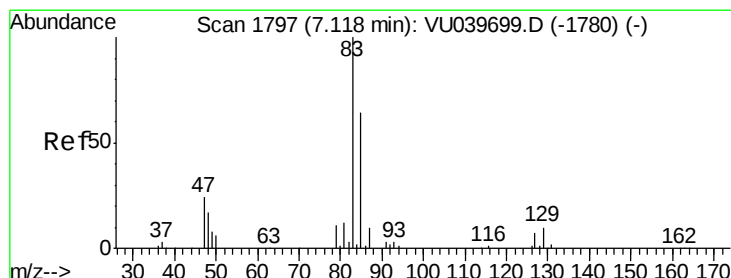
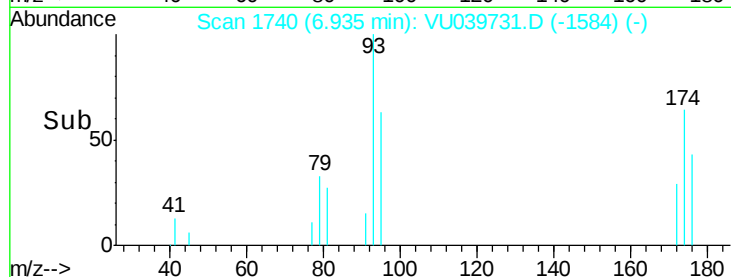
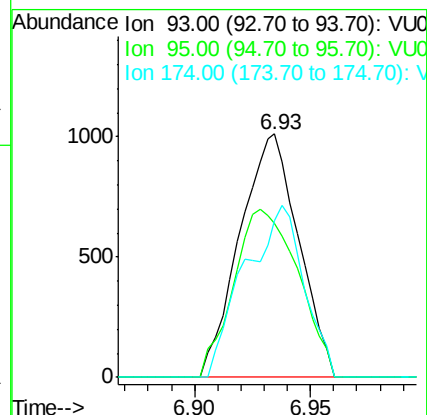
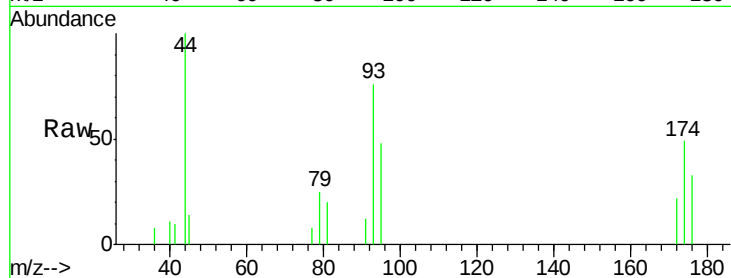
Tgt Ion: 93 Resp: 1777

Ion Ratio Lower Upper

93 100

95 75.8 66.6 99.8

174 71.1 62.7 94.1



#44

Bromodichloromethane

Concen: 0.361 ug/l

RT: 7.12 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

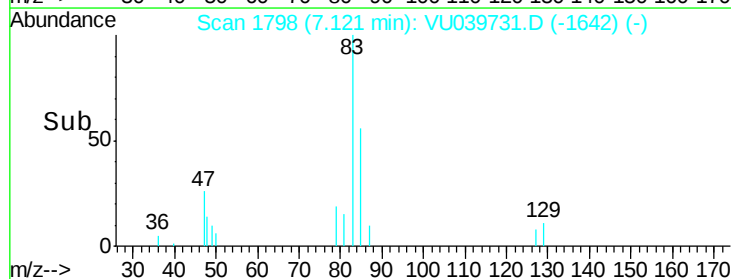
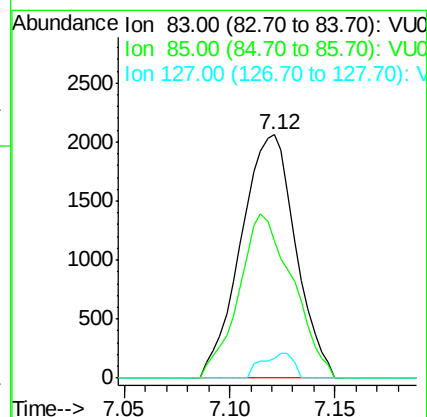
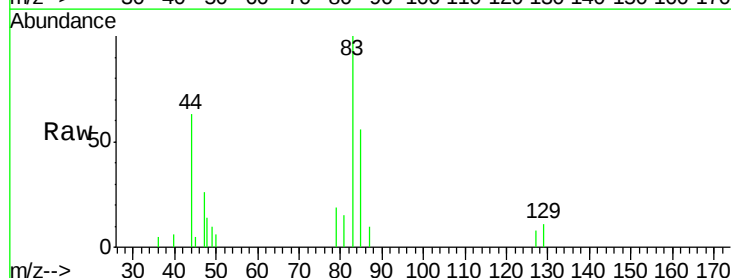
Tgt Ion: 83 Resp: 3713

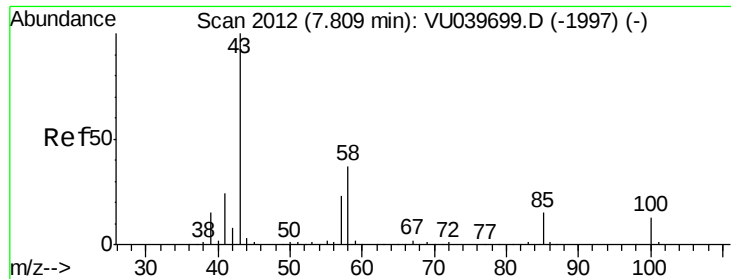
Ion Ratio Lower Upper

83 100

85 56.3 50.8 76.2

127 8.2 5.8 8.6

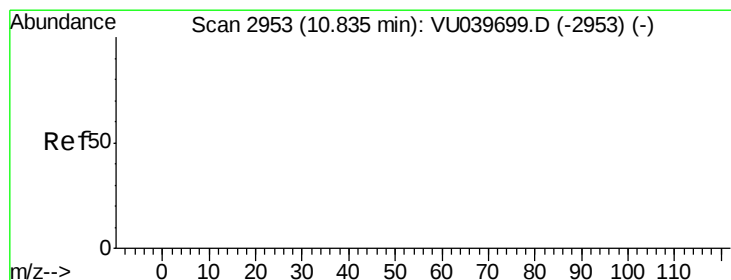
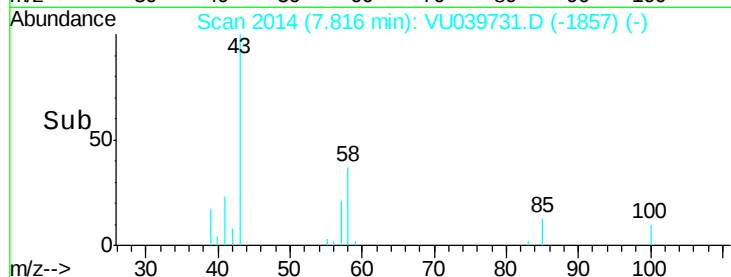
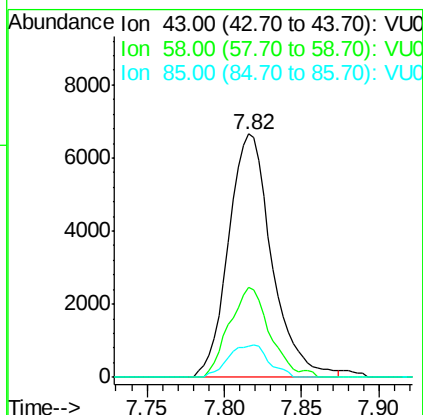
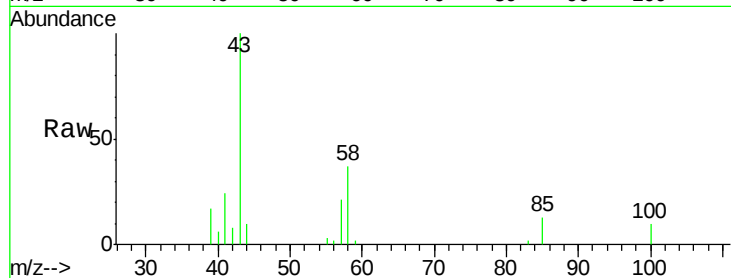




#45
4-Methyl-2-Pentanone
Concen: 1.901 ug/l
RT: 7.82 min Scan# 2014
Delta R.T. 0.01 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

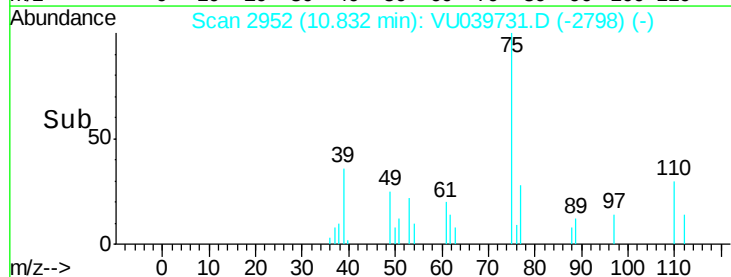
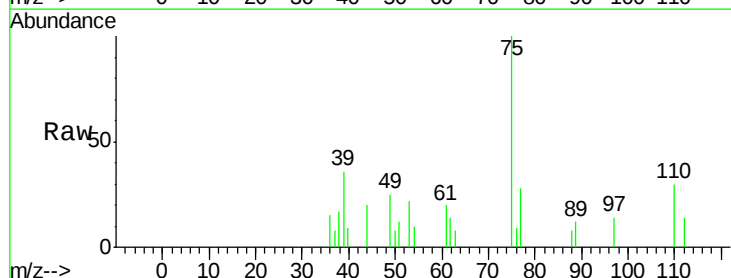
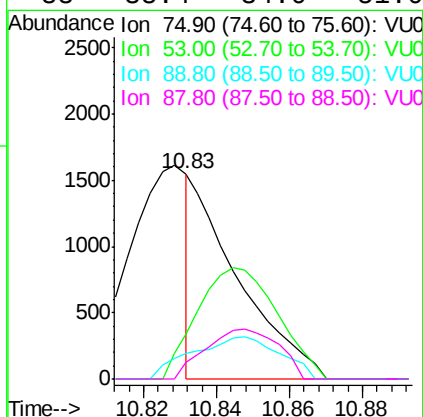
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2020

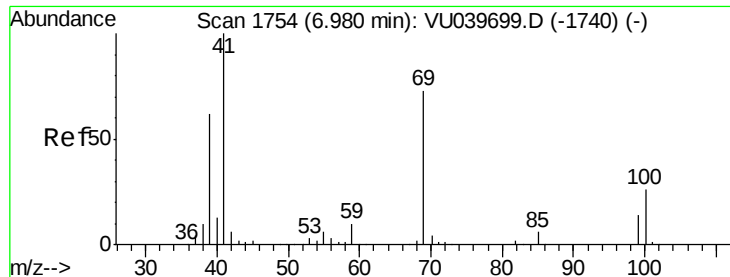
Tgt Ion: 43 Resp: 12930
Ion Ratio Lower Upper
43 100
58 34.8 18.4 55.0
85 12.4 11.8 17.6



#46
t-1,4-Dichloro-2-butene
Concen: 0.668 ug/l m
RT: 10.83 min Scan# 2952
Delta R.T. -0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

Tgt Ion: 75 Resp: 1352
Ion Ratio Lower Upper
75 100
53 94.9 78.6 118.0
89 39.4 40.3 60.5#
88 38.4 34.0 51.0

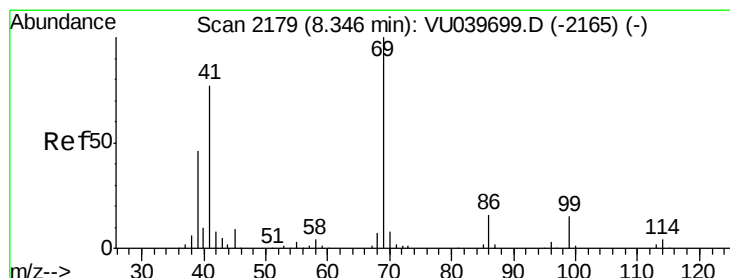
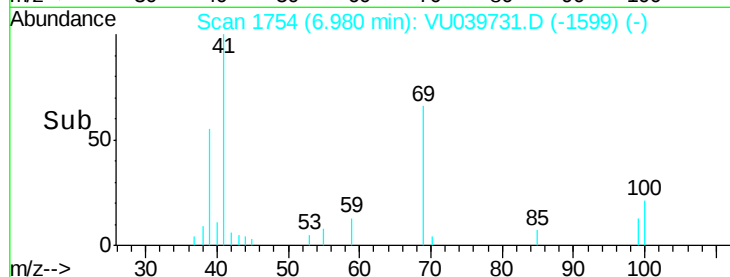
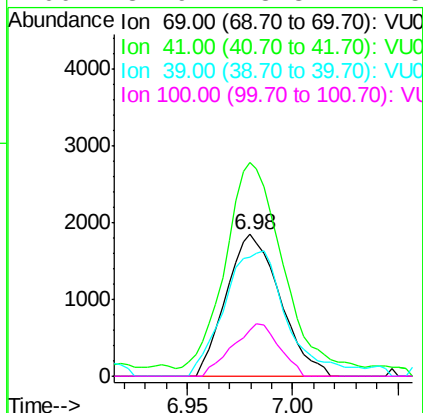
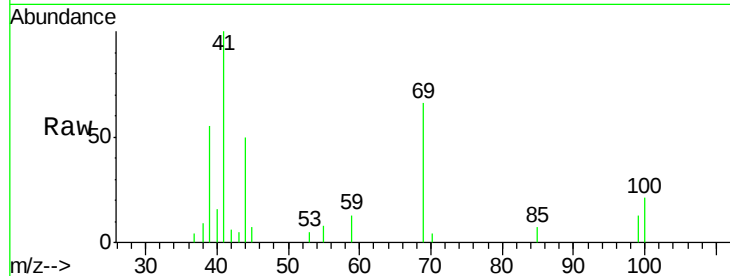




#47
Methyl methacrylate
Concen: 0.783 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. -0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

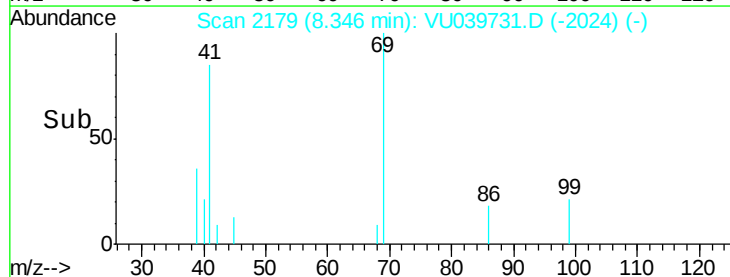
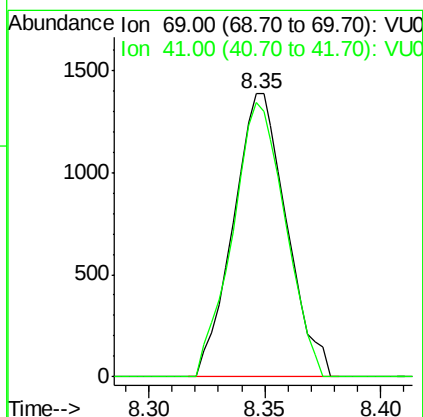
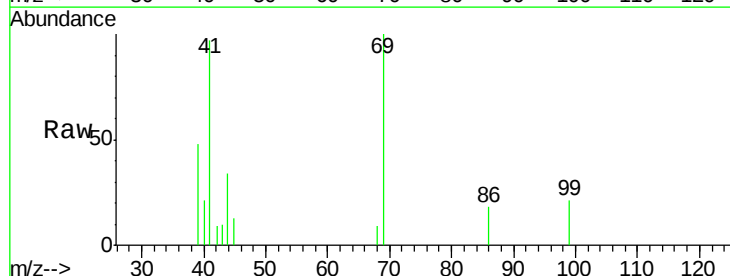
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2020

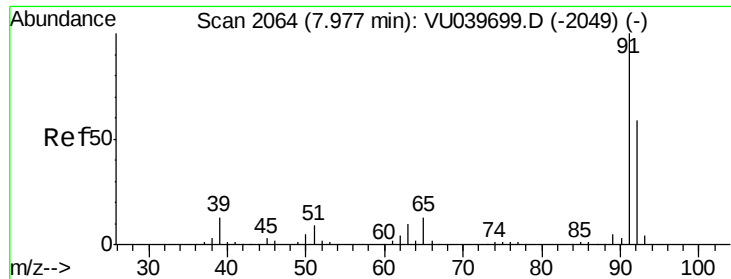
Tgt Ion: 69 Resp: 3281
Ion Ratio Lower Upper
69 100
41 149.8 0.0 271.6
39 103.1 67.4 101.2#
100 31.9 28.3 42.5



#48
Ethyl methacrylate
Concen: 0.287 ug/l
RT: 8.35 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

Tgt Ion: 69 Resp: 2213
Ion Ratio Lower Upper
69 100
41 95.8 39.1 117.5





#49

Toluene

Concen: 0.307 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

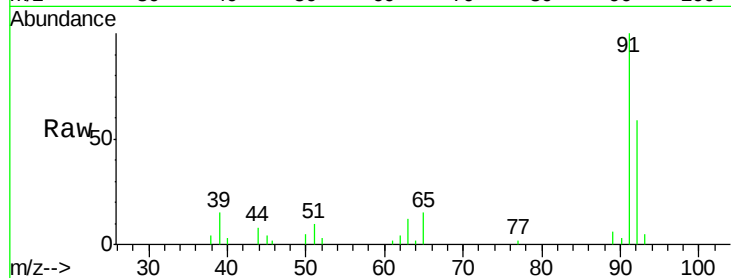
MDL-WATER-03-QT3-2020

Tgt Ion: 92 Resp: 5535

Ion Ratio Lower Upper

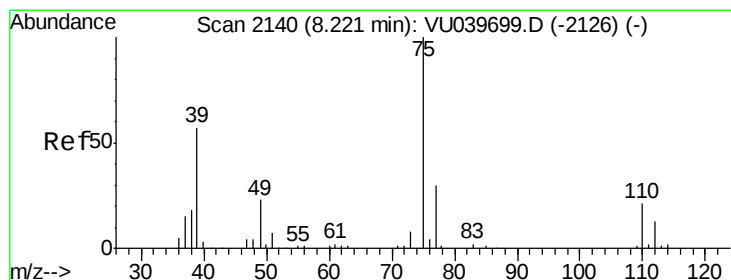
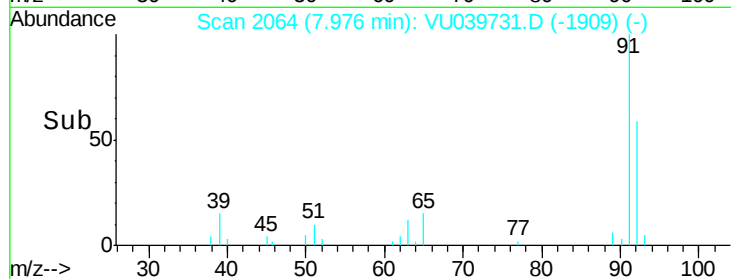
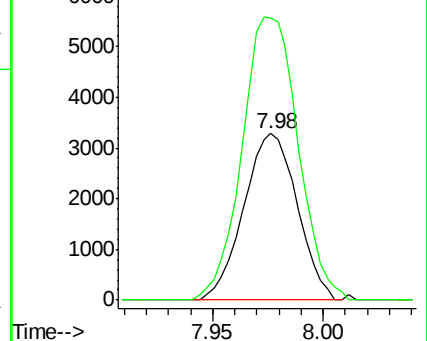
92 100

91 177.7 136.1 204.1



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: 0.288 ug/l

RT: 8.22 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VU039731.D

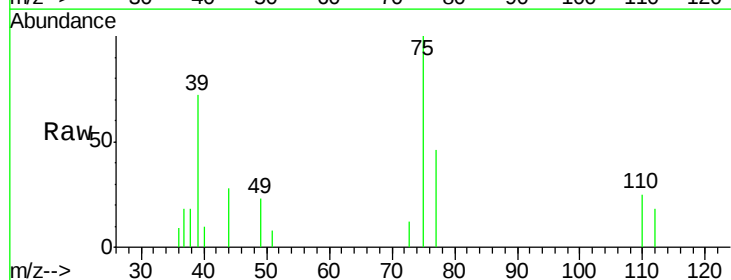
Acq: 31 Jul 2020 13:06

Tgt Ion: 75 Resp: 2672

Ion Ratio Lower Upper

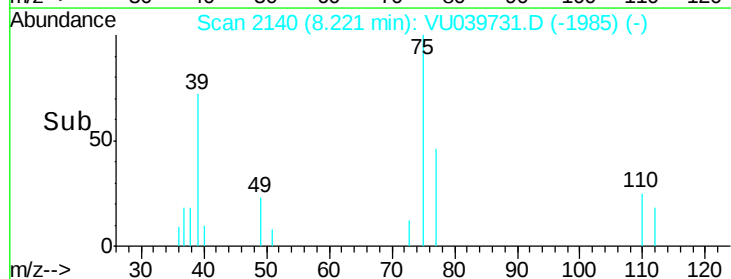
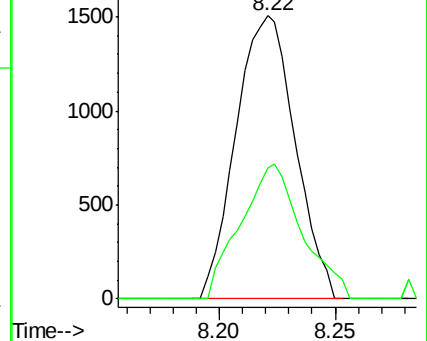
75 100

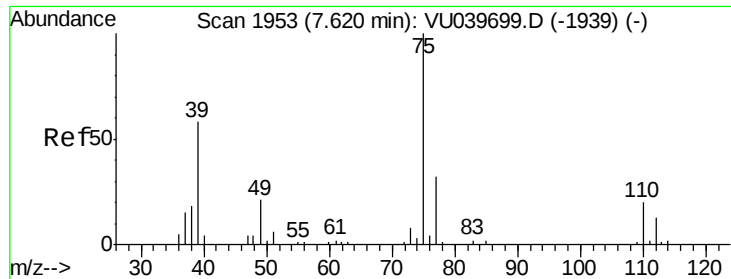
77 46.1 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

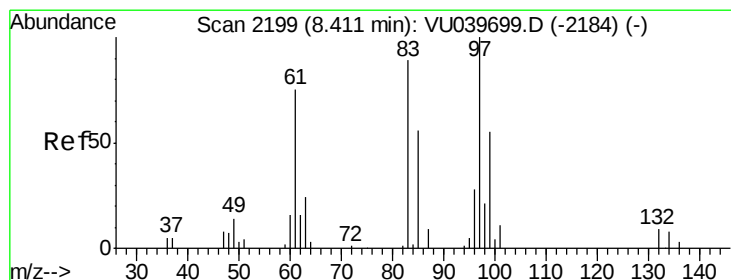
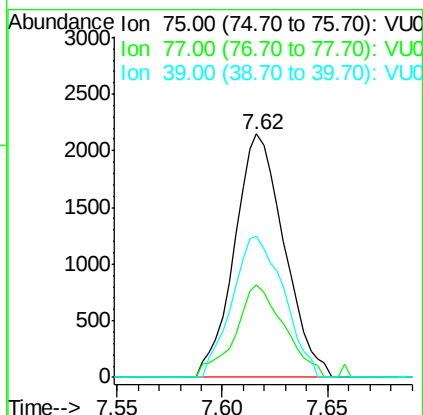
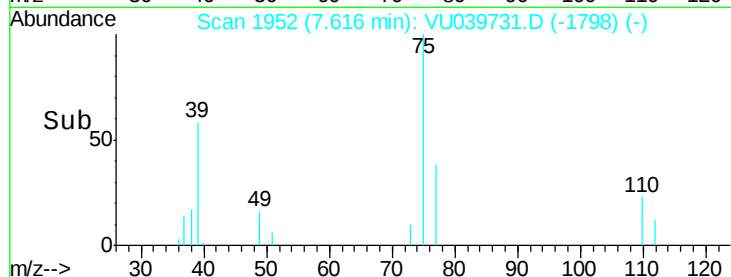
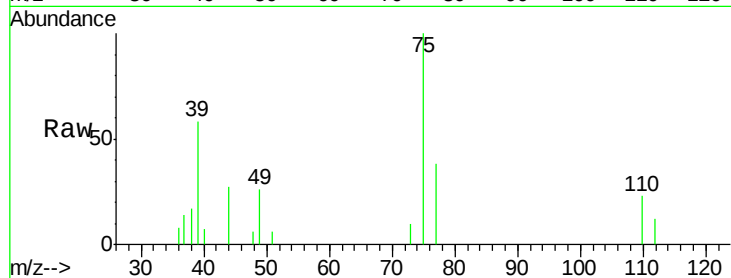




#51
 cis-1,3-Dichloropropene
 Concen: 0.322 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

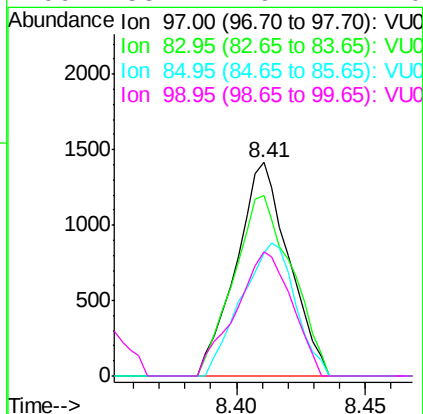
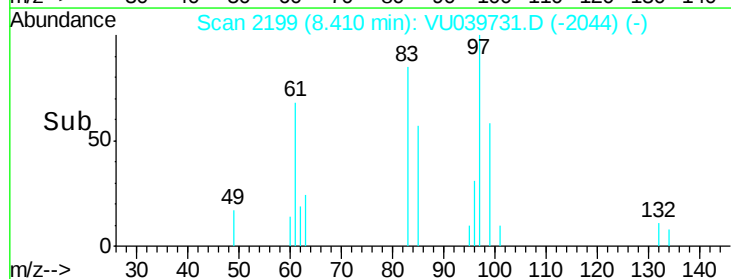
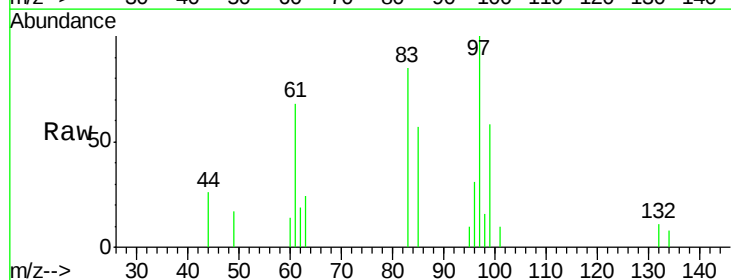
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2020

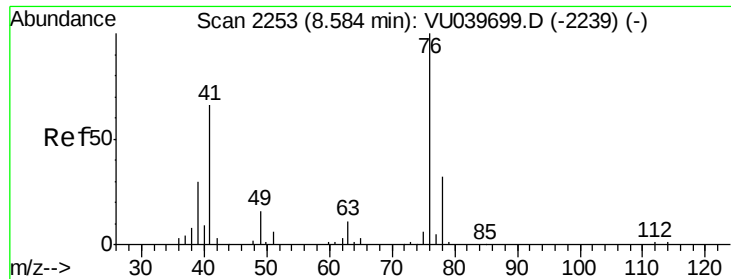
Tgt Ion: 75 Resp: 3514
 Ion Ratio Lower Upper
 75 100
 77 38.0 25.7 38.5
 39 58.2 46.1 69.1



#52
 1,1,2-Trichloroethane
 Concen: 0.346 ug/l
 RT: 8.41 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Tgt Ion: 97 Resp: 2017
 Ion Ratio Lower Upper
 97 100
 83 84.6 71.3 106.9
 85 57.5 45.4 68.2
 99 58.1 49.4 74.0

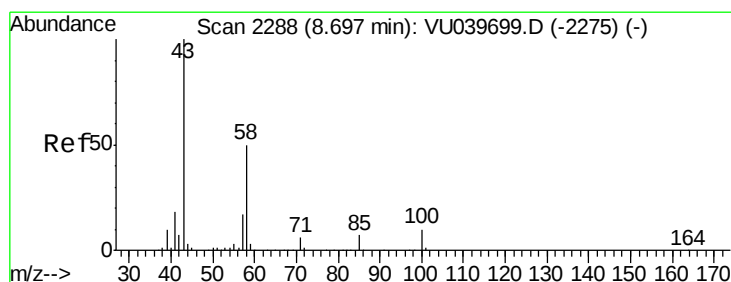
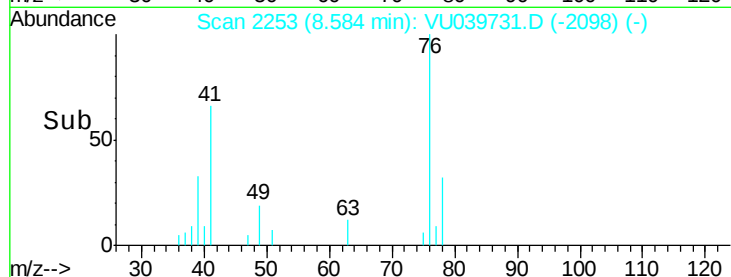
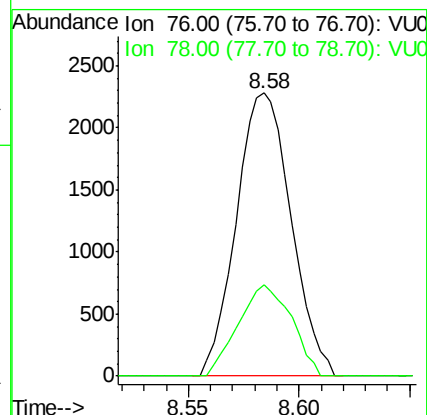
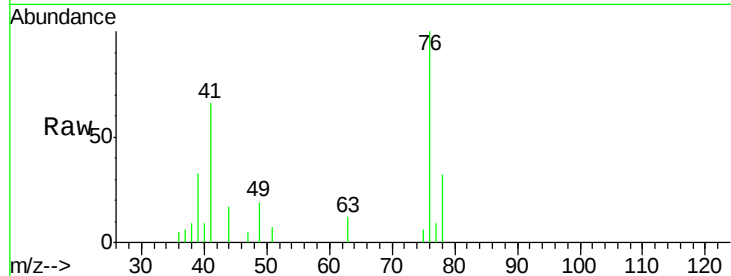




#53
 1,3-Dichloropropane
 Concen: 0.350 ug/l
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

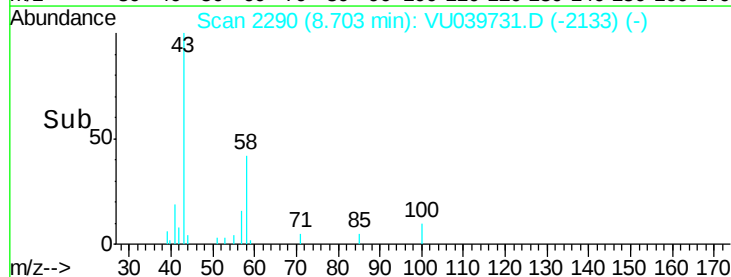
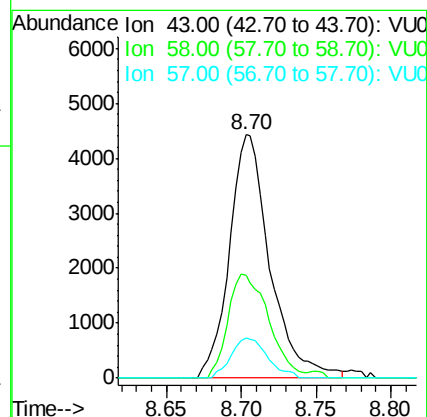
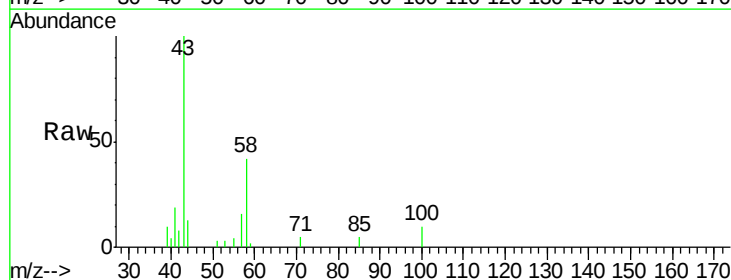
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2020

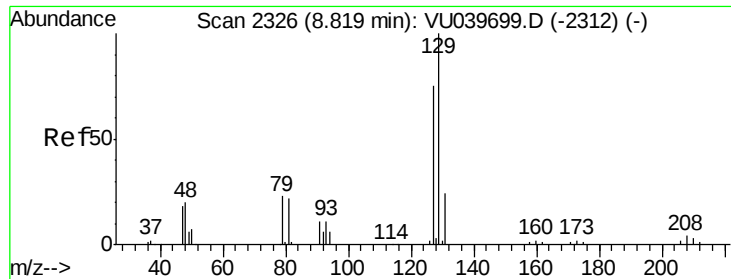
Tgt Ion: 76 Resp: 3918
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.4 38.2



#54
 2-Hexanone
 Concen: 1.711 ug/l
 RT: 8.70 min Scan# 2290
 Delta R.T. 0.01 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Tgt Ion: 43 Resp: 8332
 Ion Ratio Lower Upper
 43 100
 58 43.2 29.9 69.9
 57 14.9 0.0 37.2





#55

Dibromochloromethane

Concen: 0.289 ug/l

RT: 8.82 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

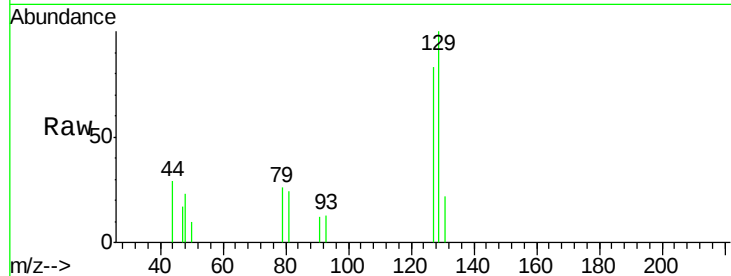
MDL-WATER-03-QT3-2020

Tgt Ion:129 Resp: 1812

Ion Ratio Lower Upper

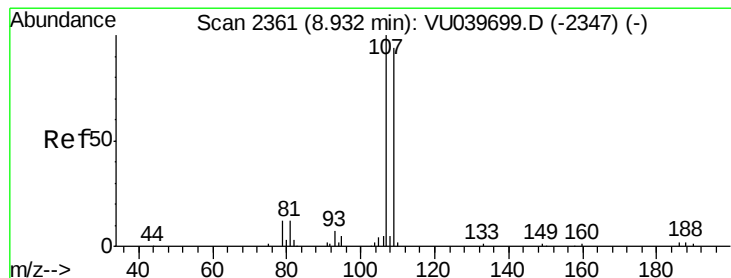
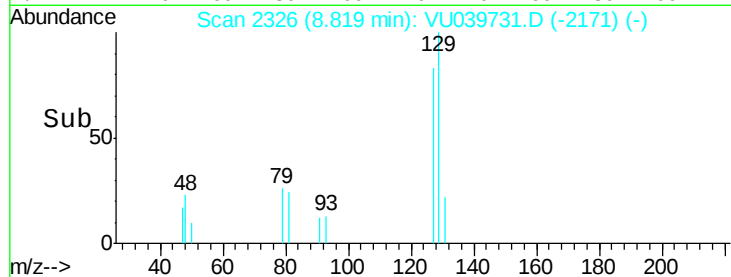
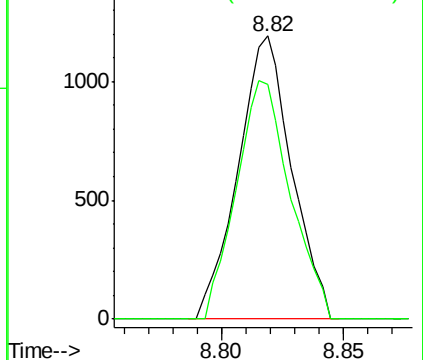
129 100

127 84.7 62.4 93.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.329 ug/l

RT: 8.93 min Scan# 2361

Delta R.T. -0.00 min

Lab File: VU039731.D

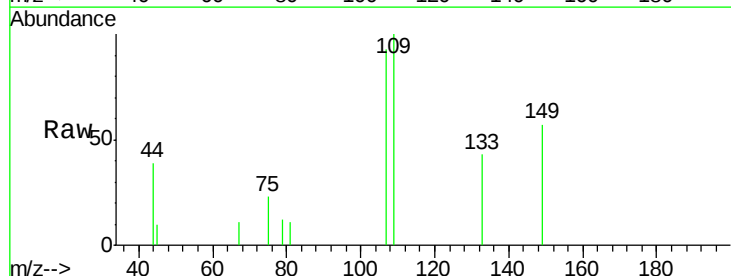
Acq: 31 Jul 2020 13:06

Tgt Ion:107 Resp: 1850

Ion Ratio Lower Upper

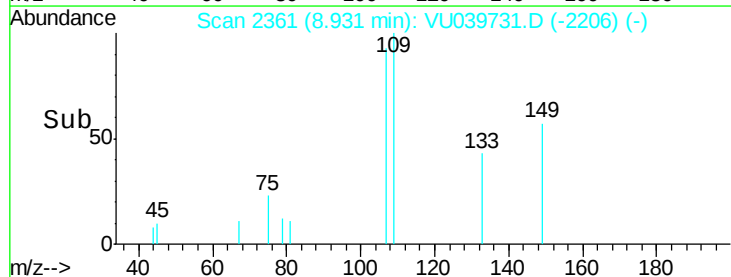
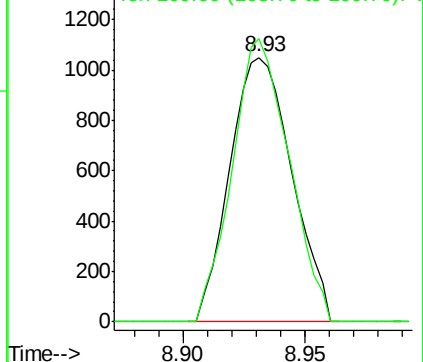
107 100

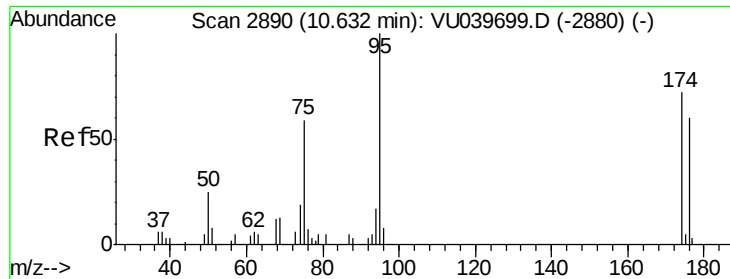
109 98.3 0.0 185.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

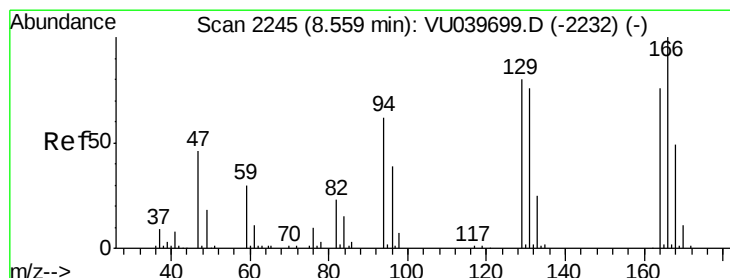
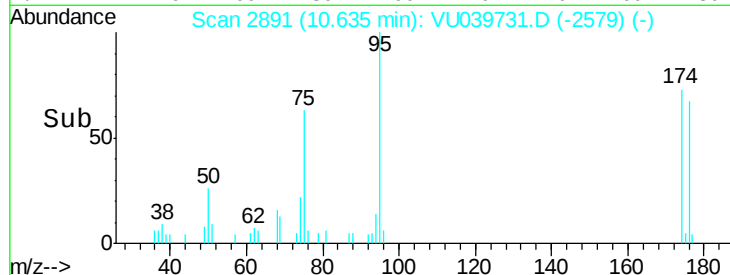
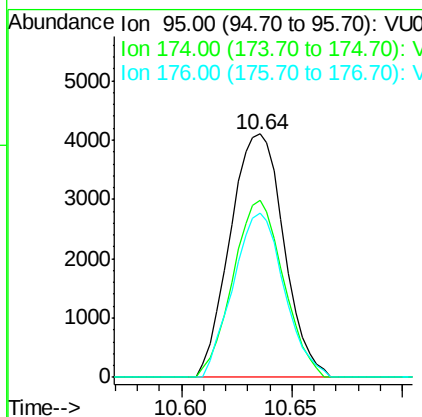
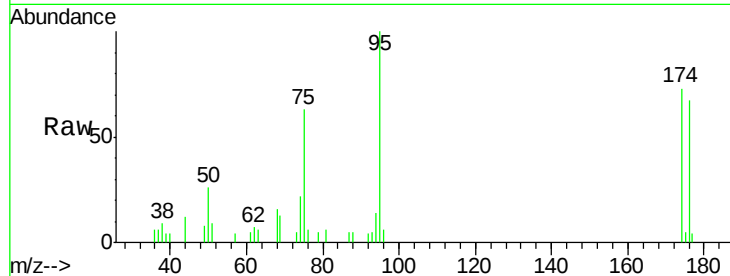




#57
 4-Bromofluorobenzene
 Concen: 0.733 ug/l
 RT: 10.64 min Scan# 2891
 Delta R.T. 0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

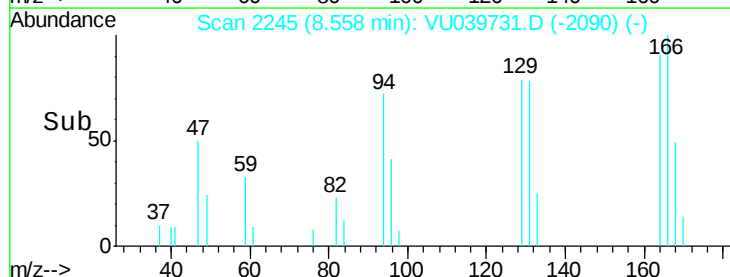
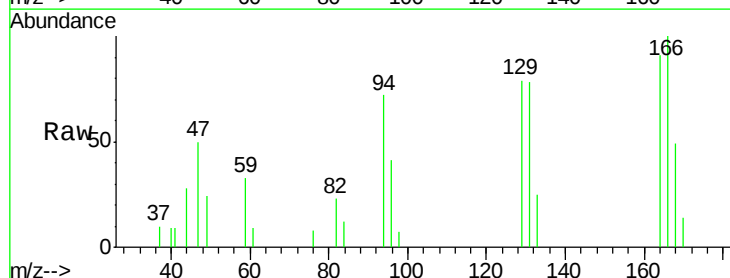
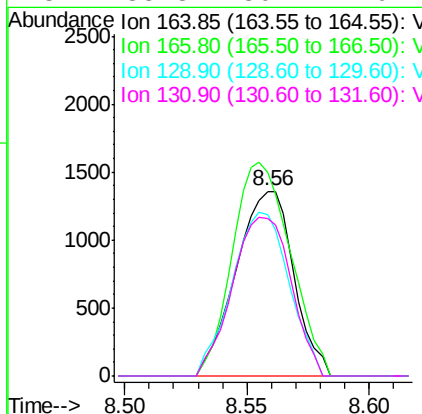
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2020

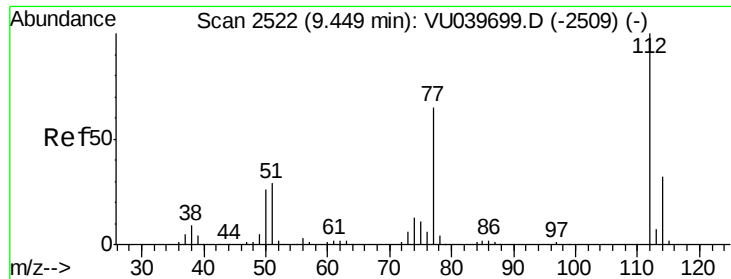
Tgt Ion: 95 Resp: 6928
 Ion Ratio Lower Upper
 95 100
 174 68.3 57.0 85.4
 176 64.1 50.2 75.2



#58
 Tetrachloroethene
 Concen: 0.367 ug/l
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Tgt Ion: 164 Resp: 2224
 Ion Ratio Lower Upper
 164 100
 166 110.2 104.8 157.2
 129 87.2 84.1 126.1
 131 85.8 80.1 120.1

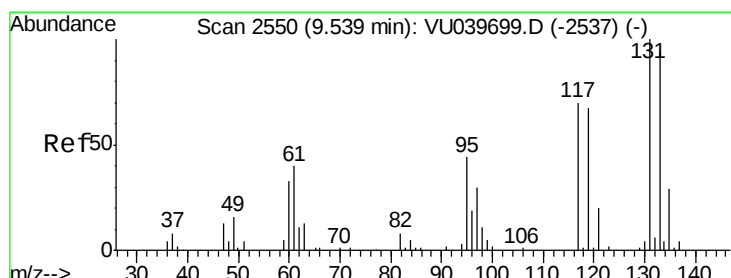
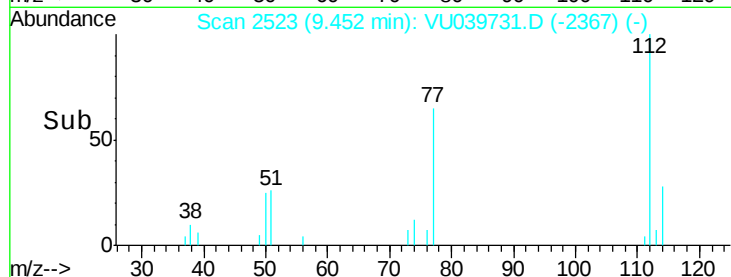
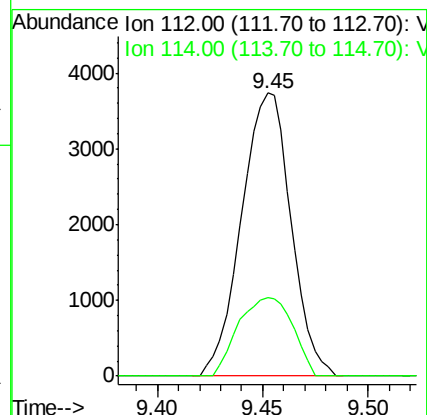
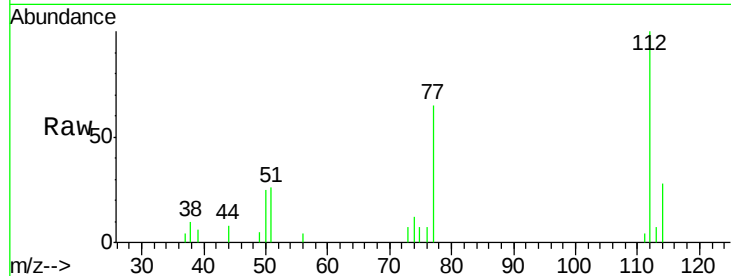




#59
Chlorobenzene
Concen: 0.327 ug/l
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

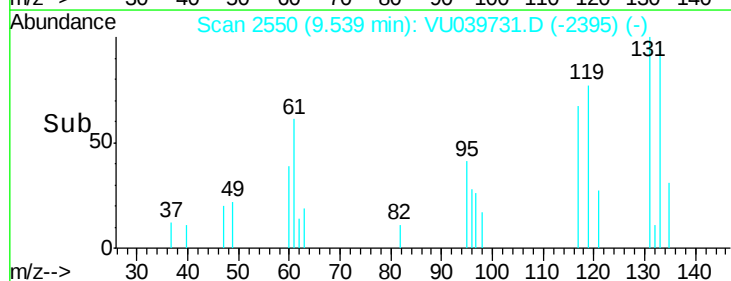
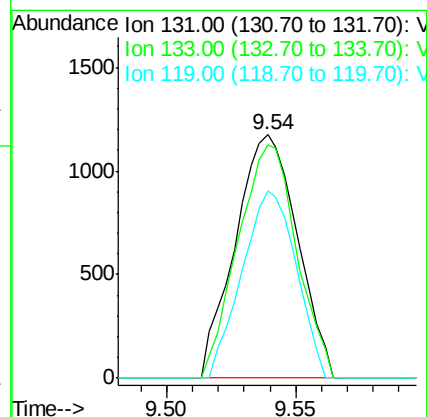
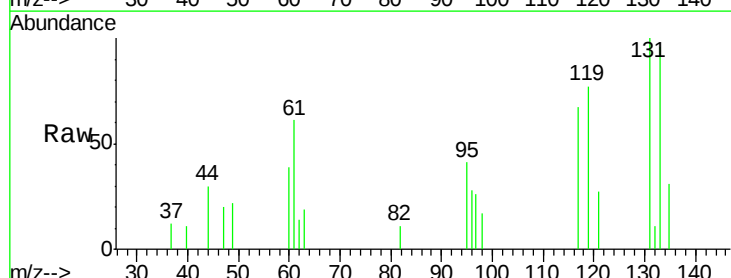
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2020

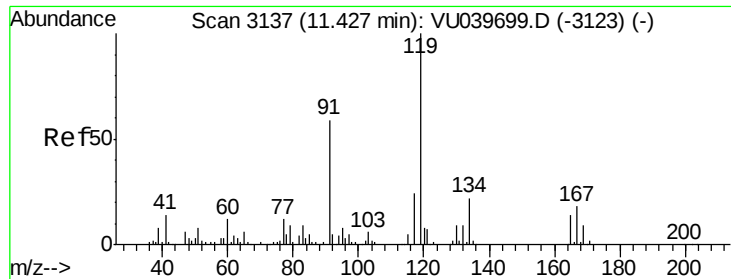
Tgt Ion:112 Resp: 6092
Ion Ratio Lower Upper
112 100
114 28.0 25.8 38.6



#60
1,1,1,2-Tetrachloroethane
Concen: 0.313 ug/l
RT: 9.54 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

Tgt Ion:131 Resp: 1965
Ion Ratio Lower Upper
131 100
133 90.9 75.8 113.8
119 67.1 54.6 81.8

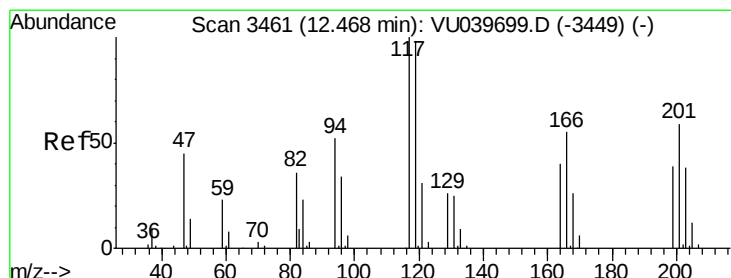
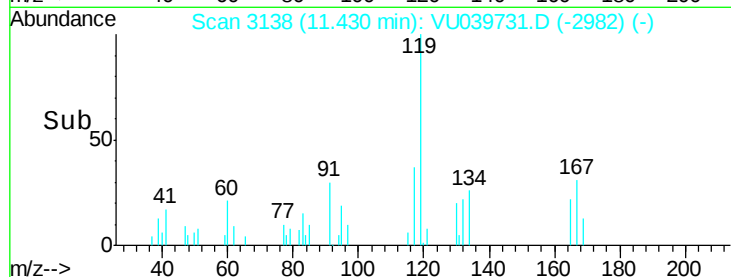
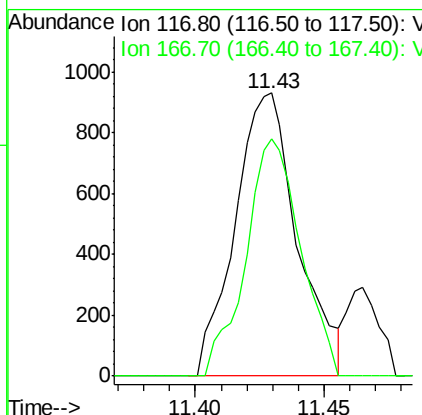
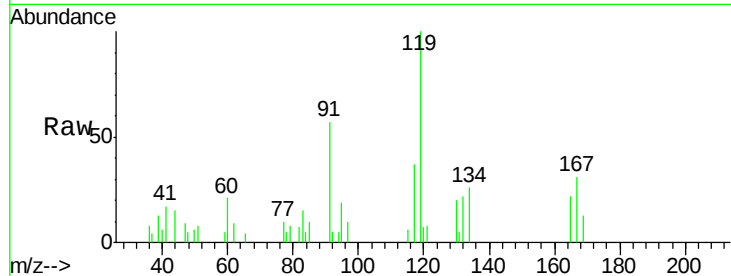




#61
 Pentachloroethane
 Concen: 0.284 ug/l
 RT: 11.43 min Scan# 3138
 Delta R.T. 0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

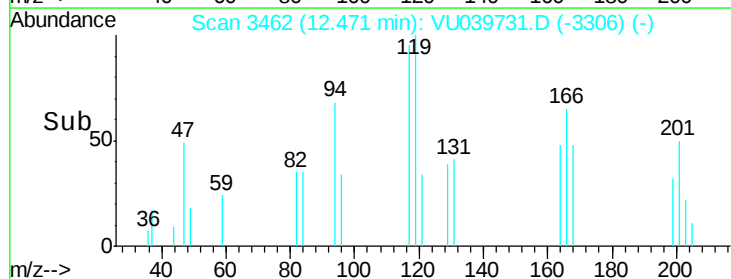
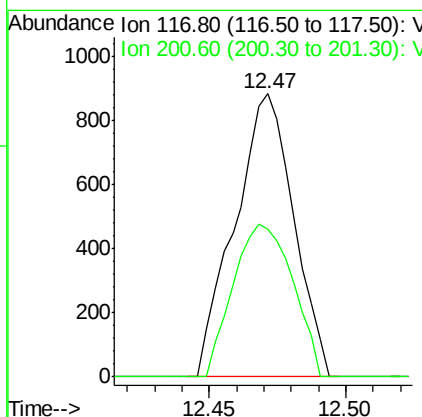
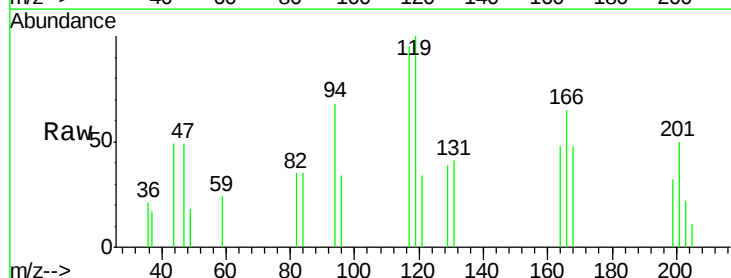
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2020

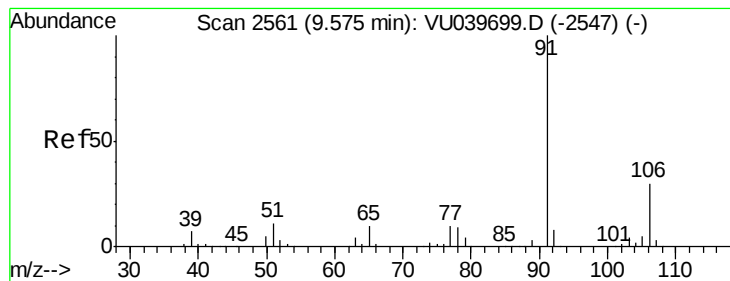
Tgt Ion:117 Resp: 1570
 Ion Ratio Lower Upper
 117 100
 167 73.8 56.6 85.0



#62
 Hexachloroethane
 Concen: 0.261 ug/l
 RT: 12.47 min Scan# 3462
 Delta R.T. 0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Tgt Ion:117 Resp: 1323
 Ion Ratio Lower Upper
 117 100
 201 54.8 48.1 72.1





#63

Ethyl Benzene

Concen: 0.287 ug/l

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

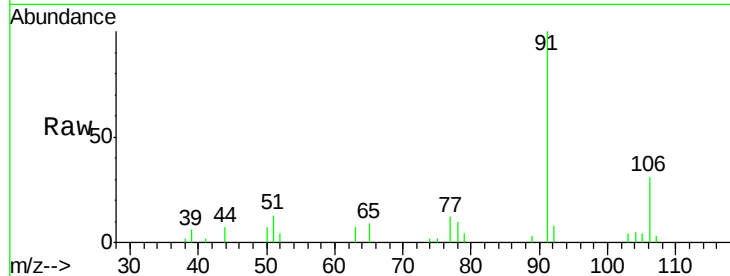
MDL-WATER-03-QT3-2020

Tgt Ion: 91 Resp: 9586

Ion Ratio Lower Upper

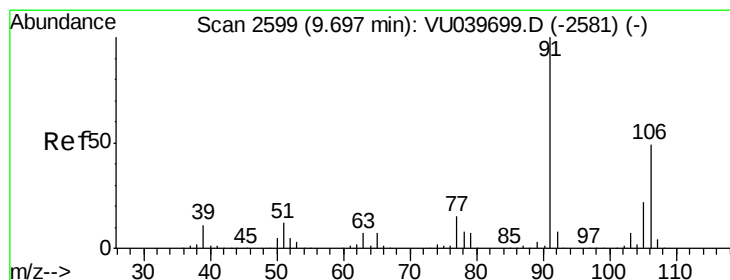
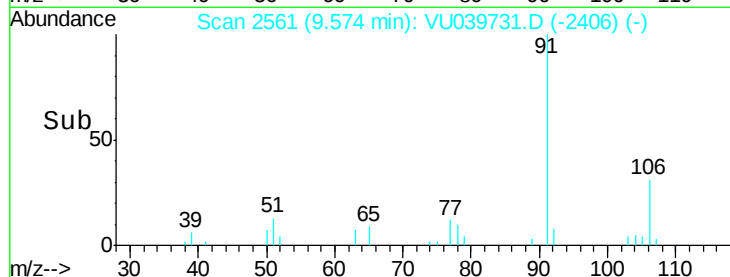
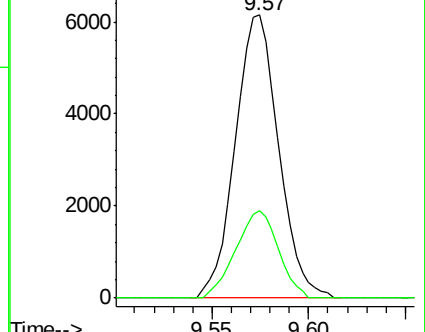
91 100

106 30.9 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU039699.D (-2547) (-)

Ion 106.00 (105.70 to 106.70): VU039699.D (-2547) (-)



#64

m/p-Xylenes

Concen: 0.544 ug/l

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039731.D

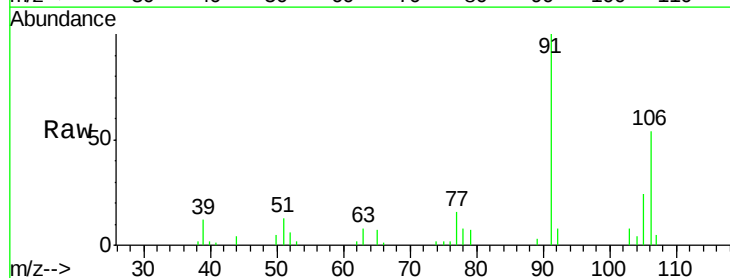
Acq: 31 Jul 2020 13:06

Tgt Ion: 106 Resp: 7097

Ion Ratio Lower Upper

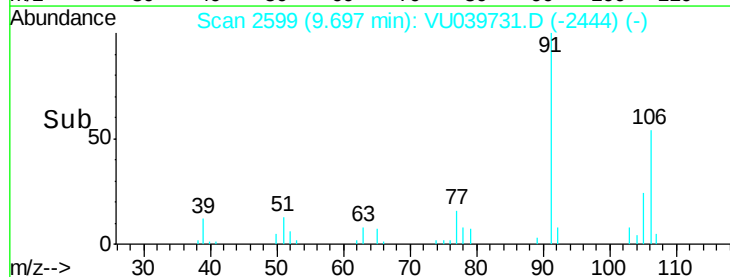
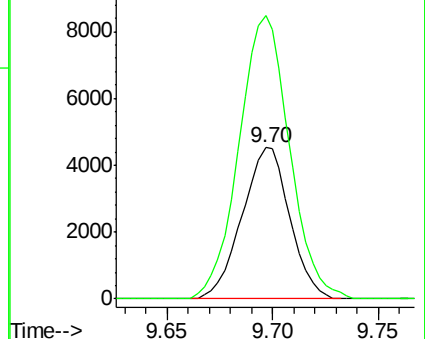
106 100

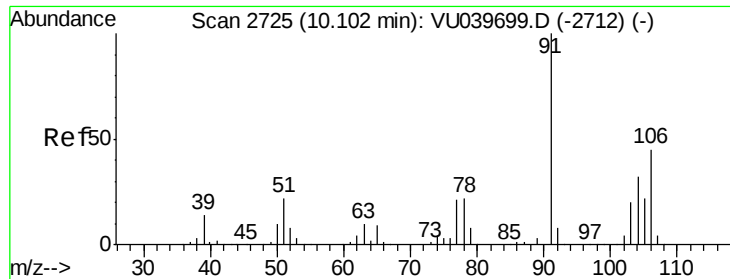
91 198.2 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): VU039699.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VU039699.D (-2581) (-)

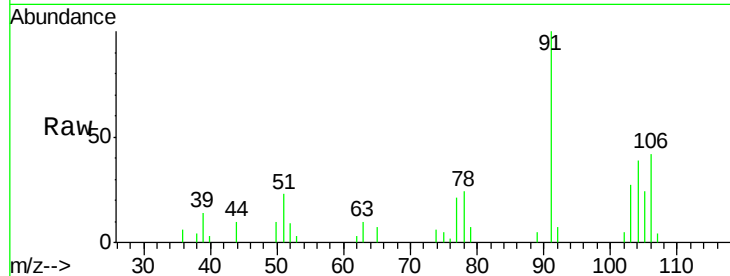




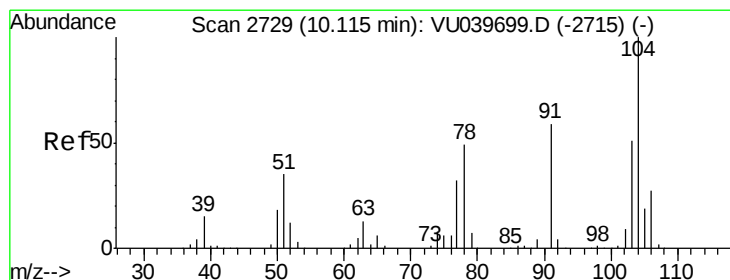
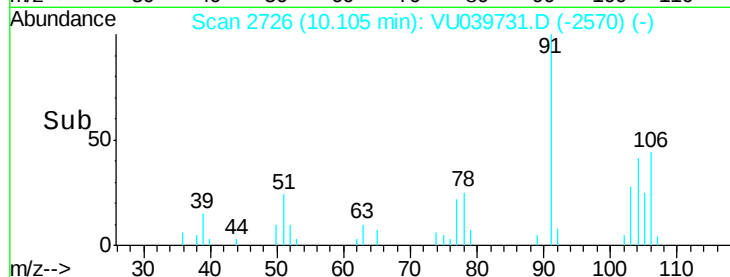
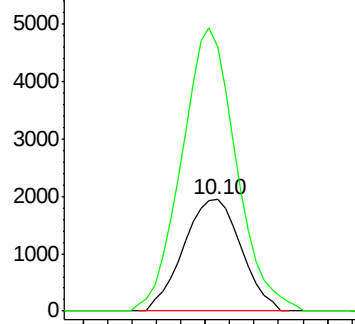
#65
o-Xylene
Concen: 0.257 ug/l
RT: 10.10 min Scan# 2726
Delta R.T. 0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2020

Tgt Ion:106 Resp: 3188
Ion Ratio Lower Upper
106 100
91 239.7 110.3 331.0

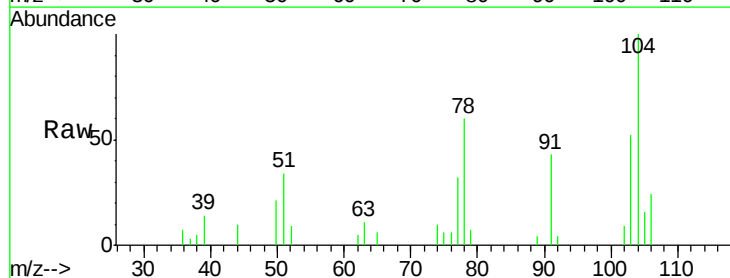


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

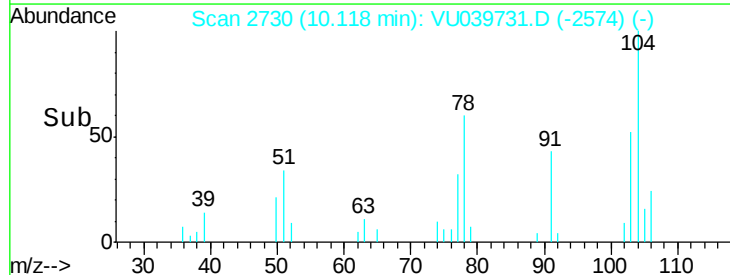
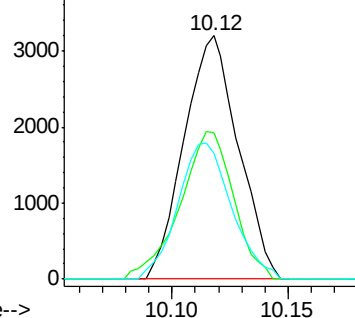


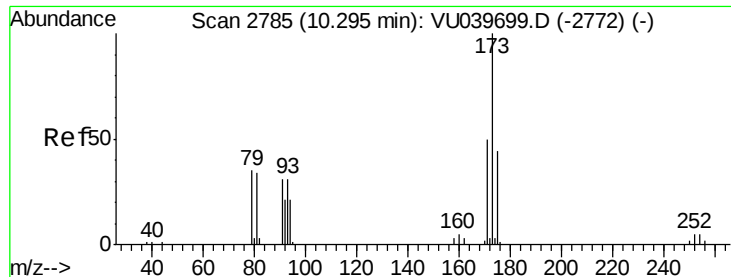
#66
Styrene
Concen: 0.244 ug/l
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

Tgt Ion:104 Resp: 5187
Ion Ratio Lower Upper
104 100
78 59.8 42.2 63.4
103 55.5 43.4 65.2



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: 0.286 ug/l

RT: 10.29 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2020

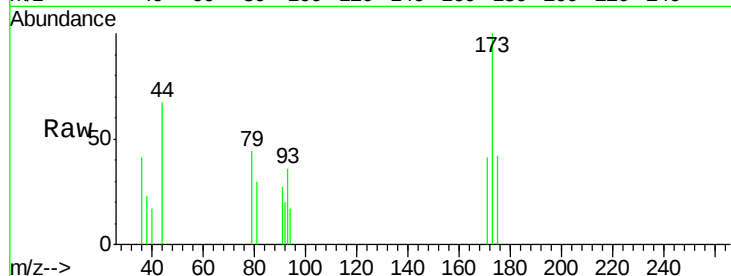
Tgt Ion:173 Resp: 914

Ion Ratio Lower Upper

173 100

175 40.4 36.7 55.1

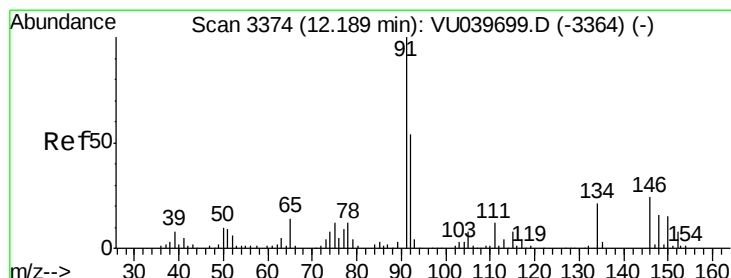
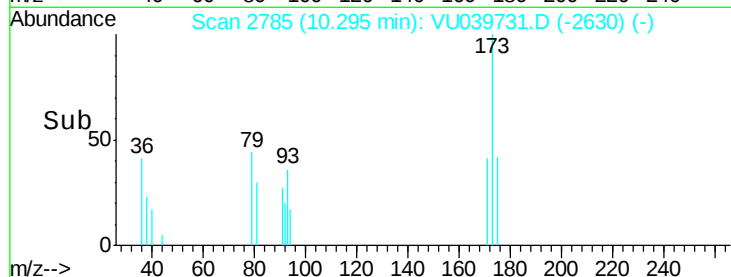
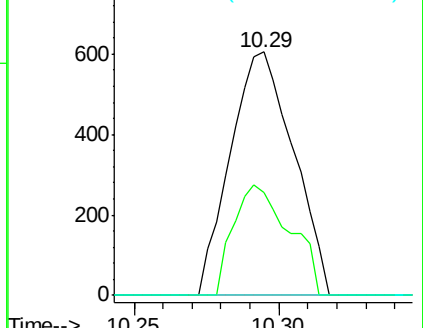
254 0.0 3.8 5.8#



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: 0.780 ug/l

RT: 12.19 min Scan# 3374

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

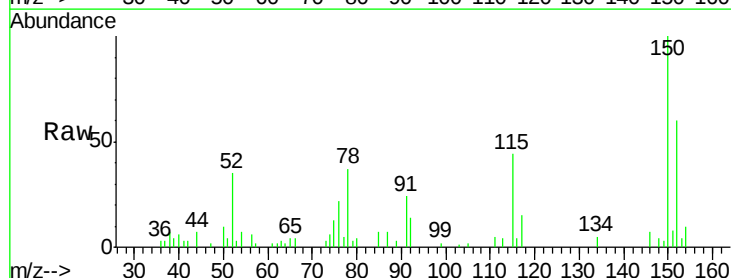
Tgt Ion:152 Resp: 7214

Ion Ratio Lower Upper

152 100

115 74.5 0.0 302.4

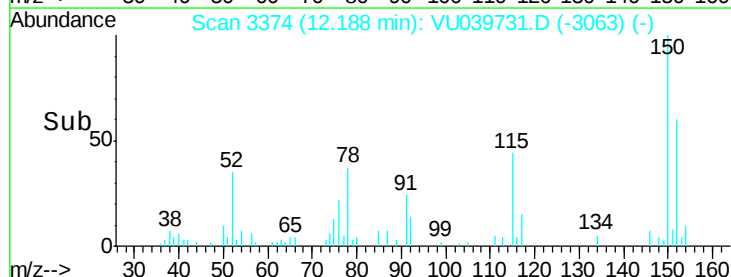
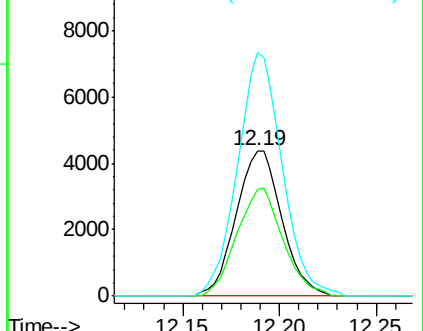
150 163.3 0.0 645.8

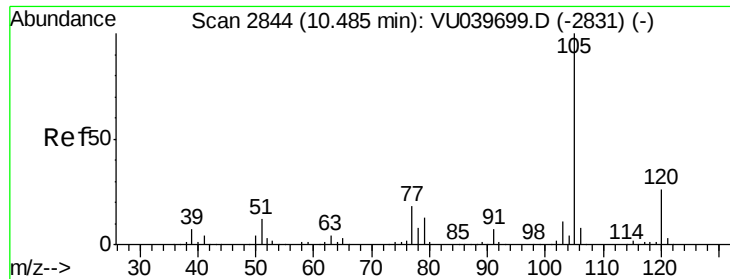


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.266 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

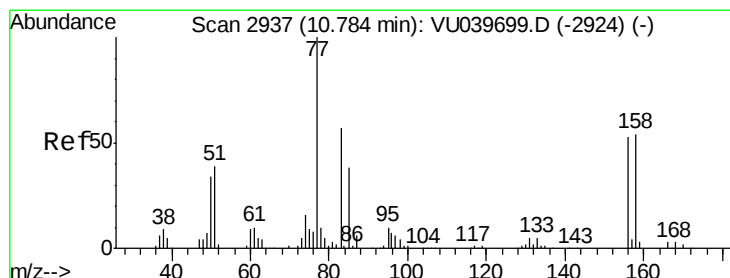
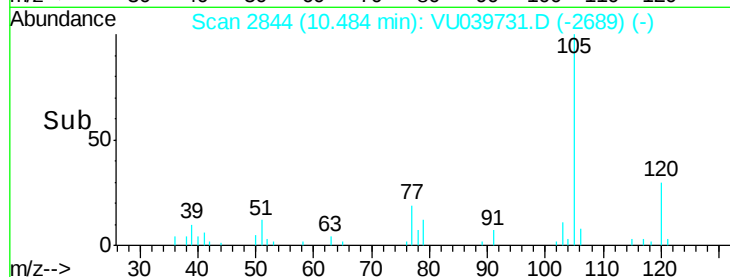
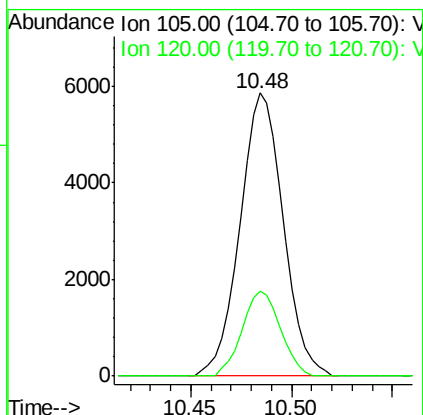
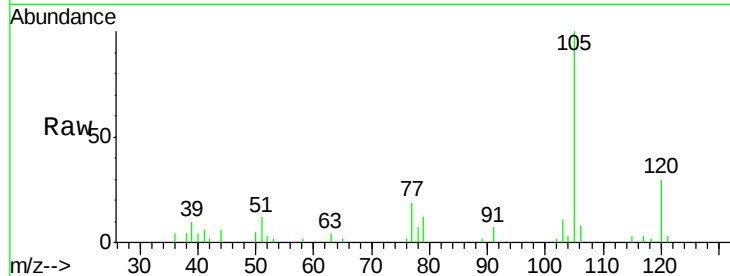
MDL-WATER-03-QT3-2020

Tgt Ion: 105 Resp: 8800

Ion Ratio Lower Upper

105 100

120 26.6 12.8 38.4



#70

1,1,2,2-Tetrachloroethane

Concen: 0.360 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

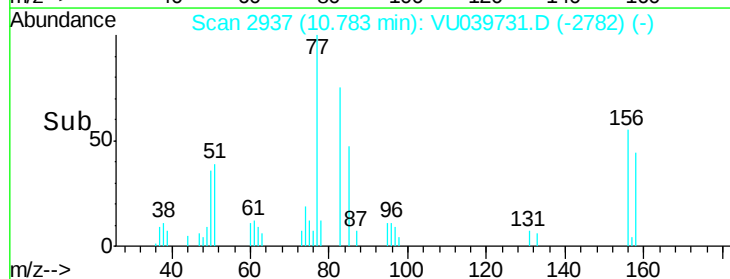
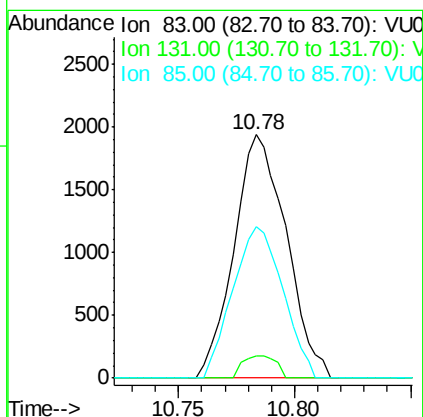
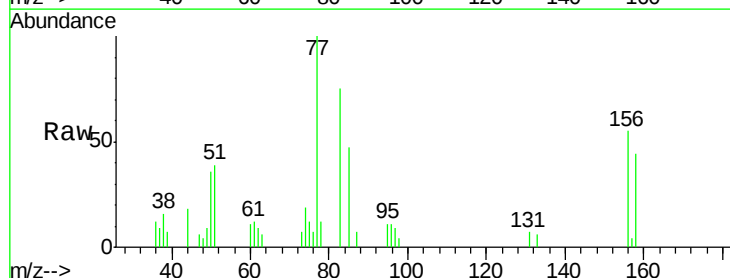
Tgt Ion: 83 Resp: 3026

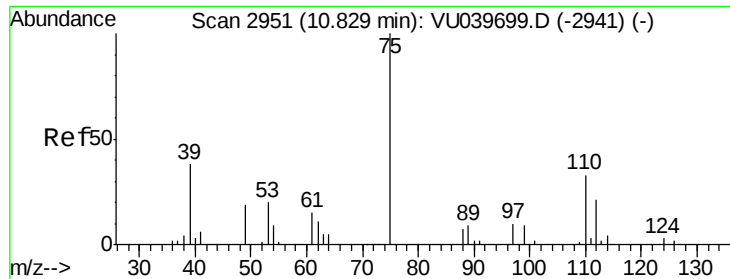
Ion Ratio Lower Upper

83 100

131 5.8 7.0 10.6#

85 59.8 50.6 75.8

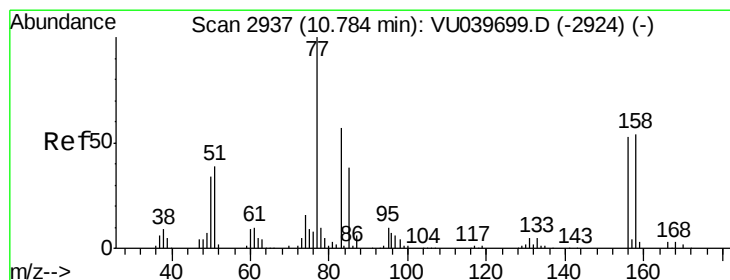
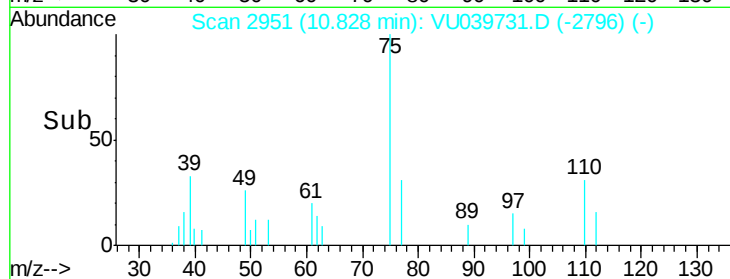
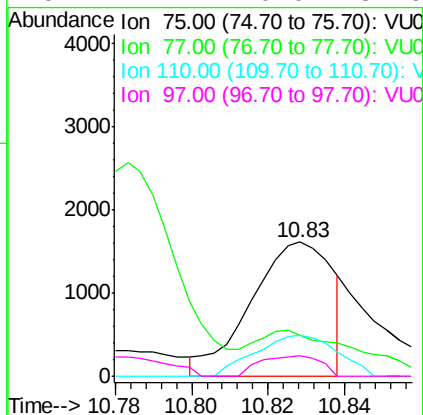
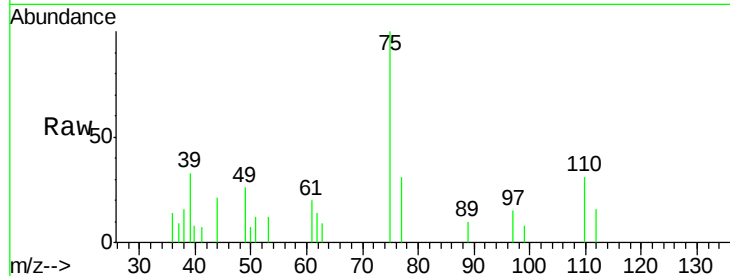




#71
 1,2,3-Trichloropropane
 Concen: 0.377 ug/l m
 RT: 10.83 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

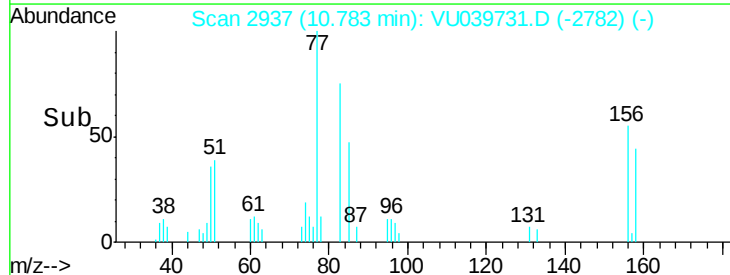
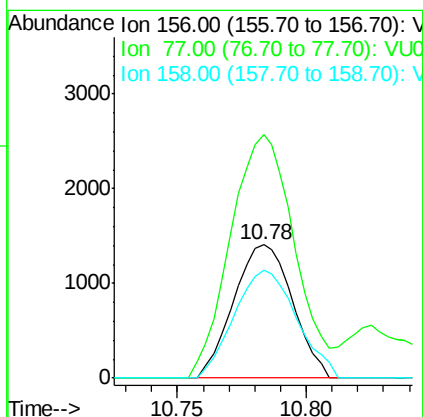
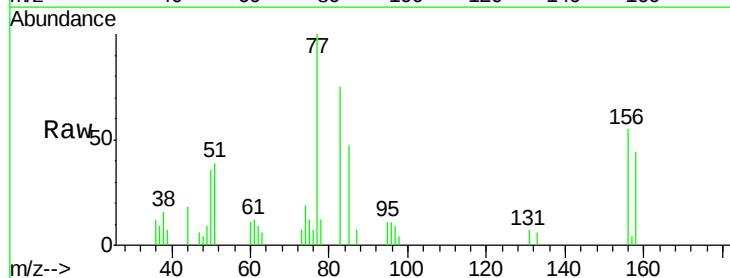
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2020

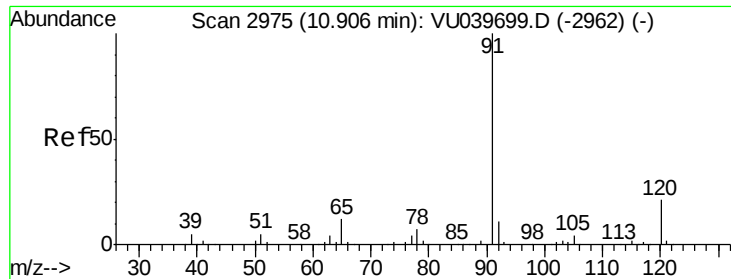
Tgt Ion:	75	Resp:	2384
Ion	Ratio	Lower	Upper
75	100		
77	41.7	0.0	91.0
110	30.5	0.0	64.2
97	11.4	0.0	32.6



#72
 Bromobenzene
 Concen: 0.299 ug/l
 RT: 10.78 min Scan# 2937
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Tgt Ion:	156	Resp:	2245
Ion	Ratio	Lower	Upper
156	100		
77	197.7	0.0	385.2
158	85.3	0.0	200.8





#73

n-propylbenzene

Concen: 0.245 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

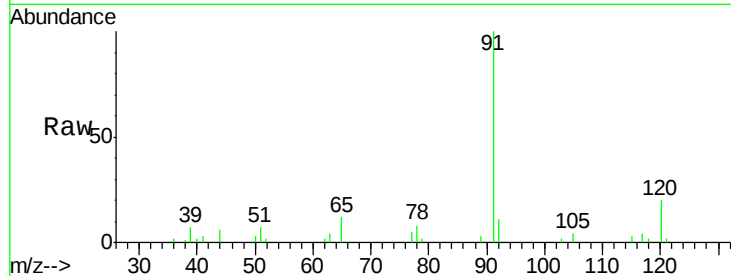
MDL-WATER-03-QT3-2020

Tgt Ion:120 Resp: 2279

Ion Ratio Lower Upper

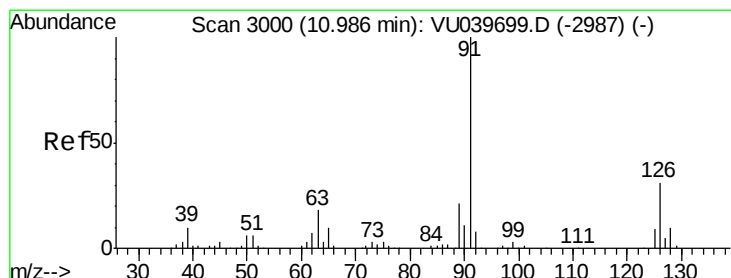
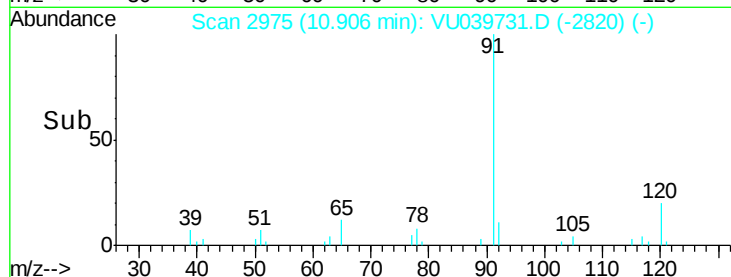
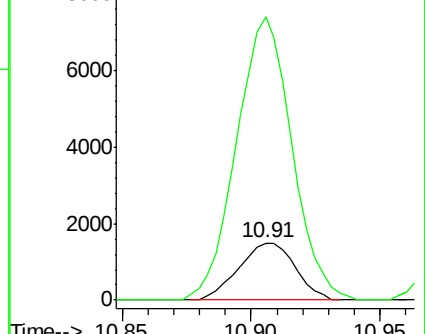
120 100

91 487.0 371.7 557.5



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.286 ug/l

RT: 10.99 min Scan# 3000

Delta R.T. -0.00 min

Lab File: VU039731.D

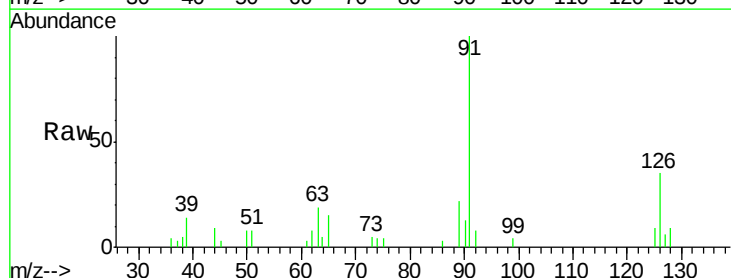
Acq: 31 Jul 2020 13:06

Tgt Ion:126 Resp: 2248

Ion Ratio Lower Upper

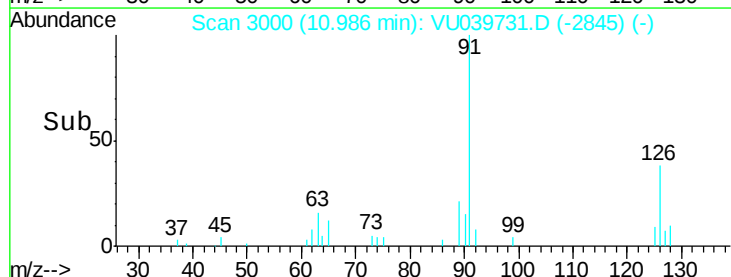
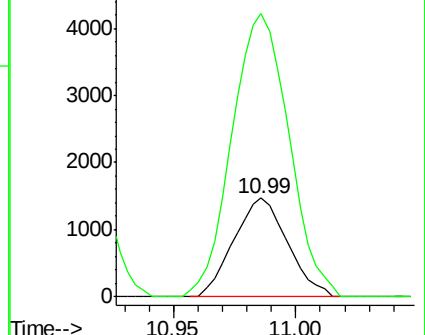
126 100

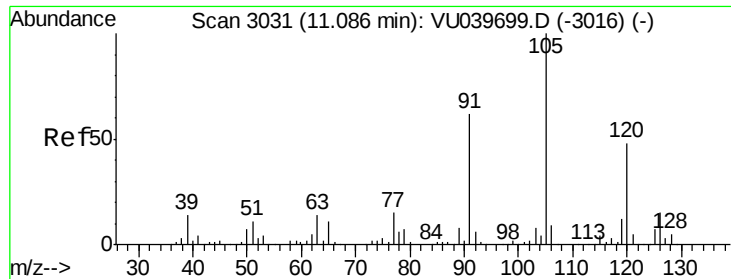
91 304.3 0.0 637.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.261 ug/l

RT: 11.09 min Scan# 3032

Delta R.T. 0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

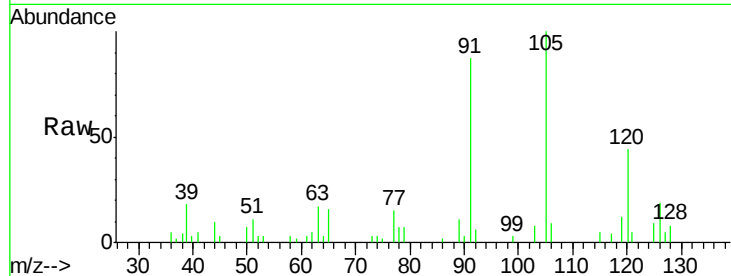
MDL-WATER-03-QT3-2020

Tgt Ion:105 Resp: 7477

Ion Ratio Lower Upper

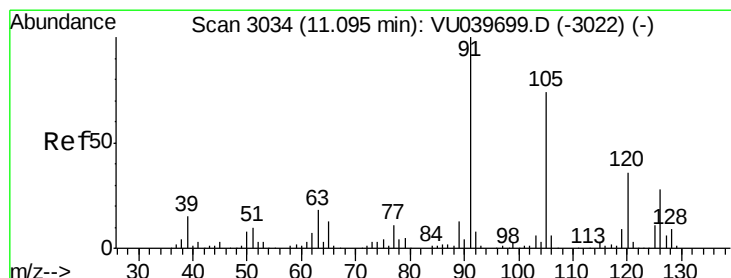
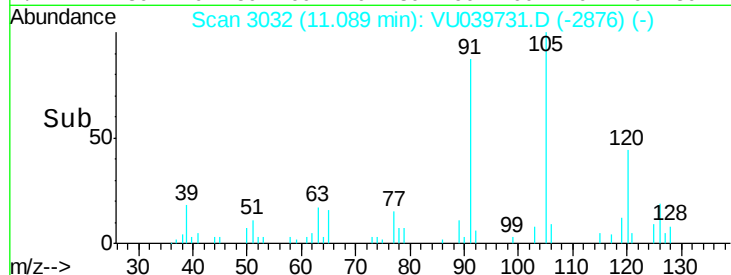
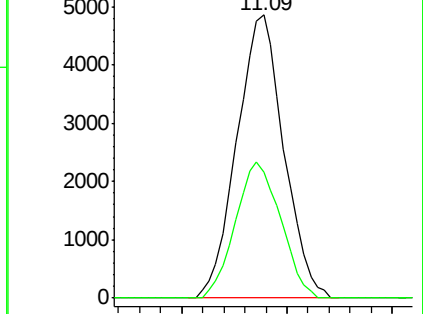
105 100

120 46.4 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.261 ug/l

RT: 11.10 min Scan# 3035

Delta R.T. 0.00 min

Lab File: VU039731.D

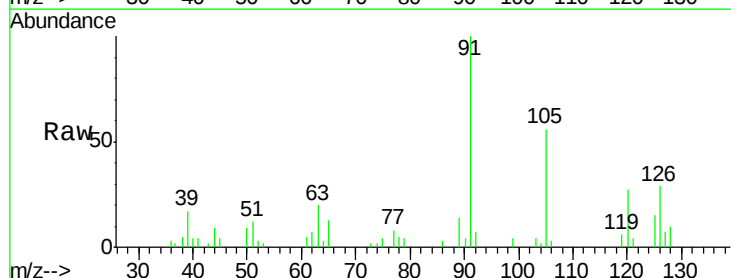
Acq: 31 Jul 2020 13:06

Tgt Ion:126 Resp: 2123

Ion Ratio Lower Upper

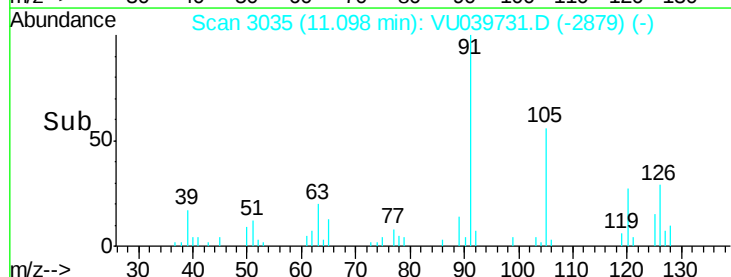
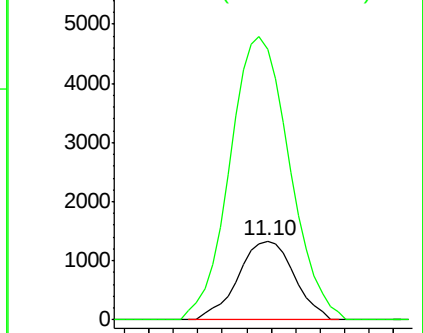
126 100

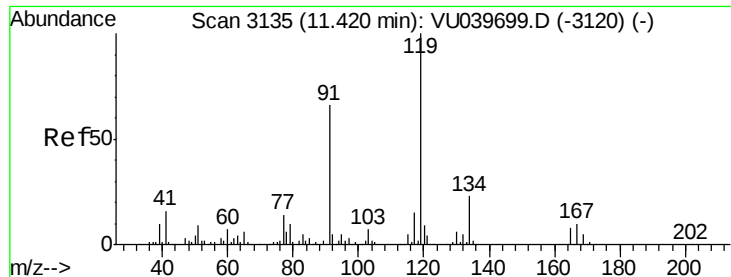
91 382.4 0.0 732.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

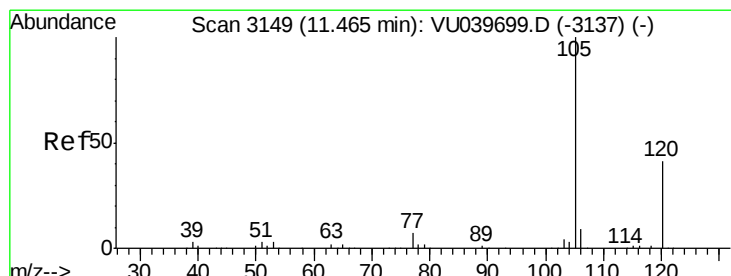
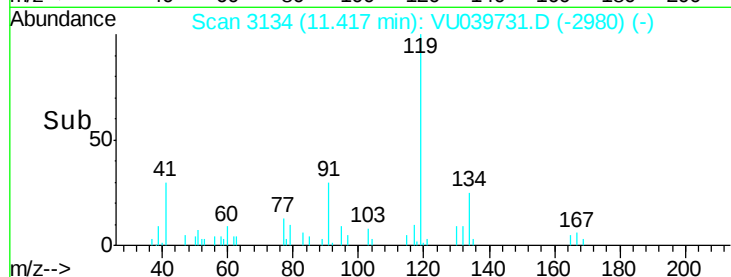
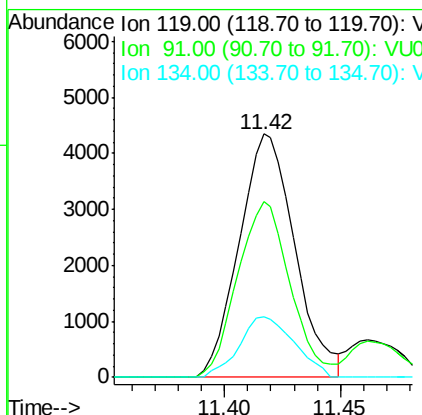
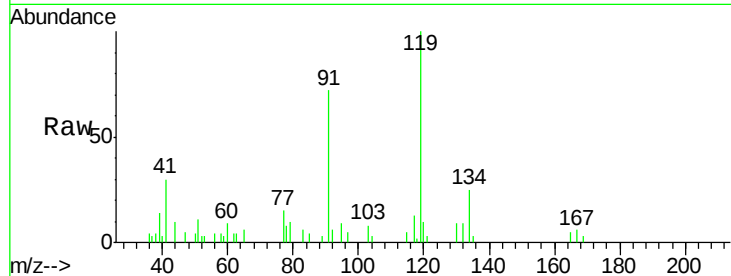




#77
 tert-Butylbenzene
 Concen: 0.264 ug/l
 RT: 11.42 min Scan# 3134
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

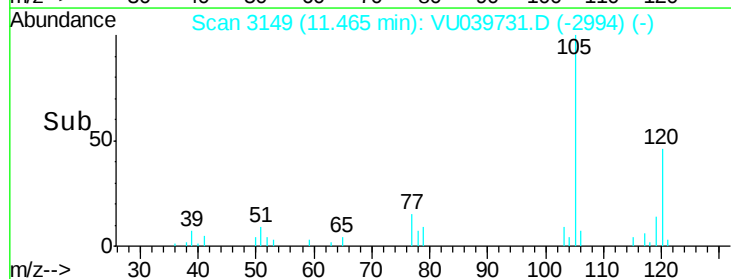
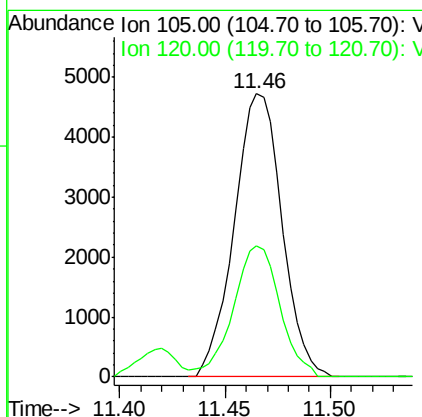
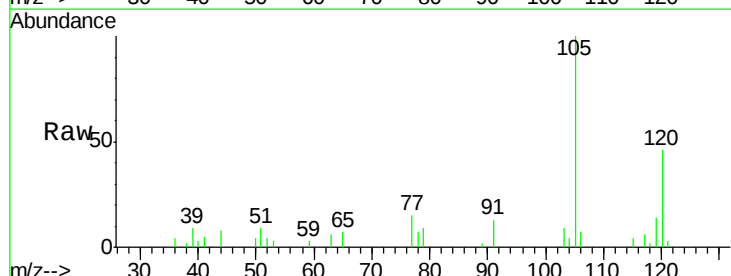
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2020

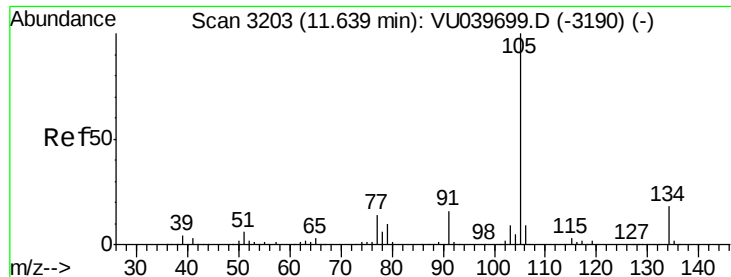
Tgt Ion:119 Resp: 7246
 Ion Ratio Lower Upper
 119 100
 91 68.1 31.9 95.5
 134 24.4 18.2 27.4



#78
 1,2,4-Trimethylbenzene
 Concen: 0.254 ug/l
 RT: 11.46 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Tgt Ion:105 Resp: 7442
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.7 68.0

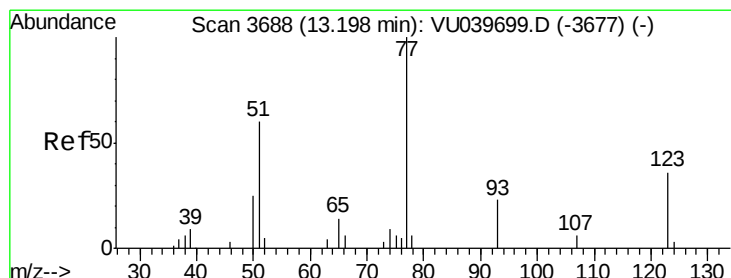
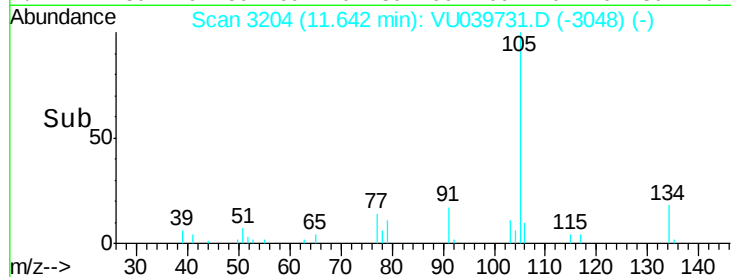
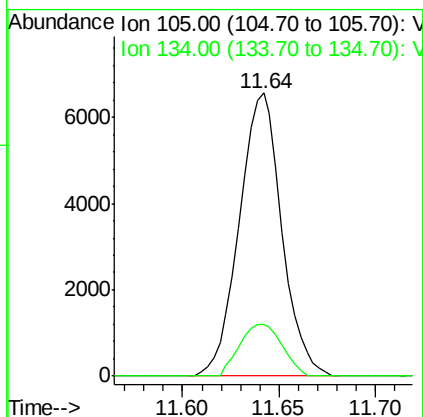
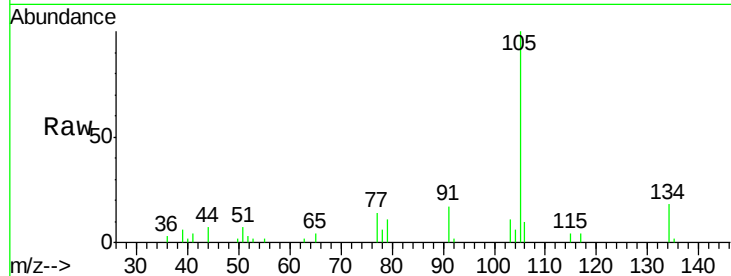




#79
 sec-Butylbenzene
 Concen: 0.257 ug/l
 RT: 11.64 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

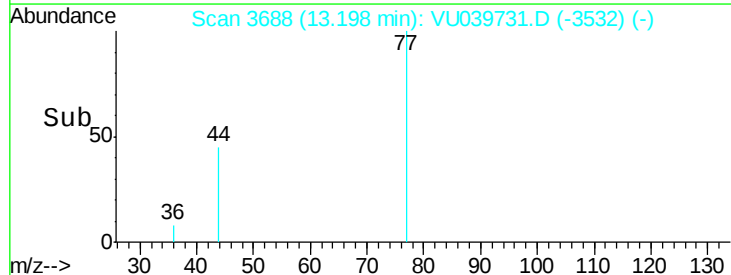
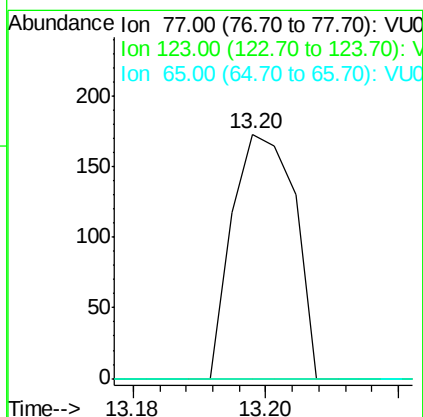
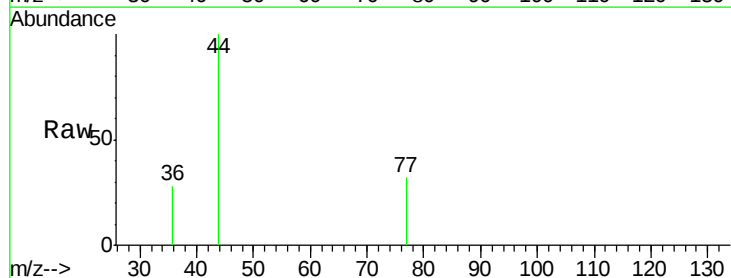
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2020

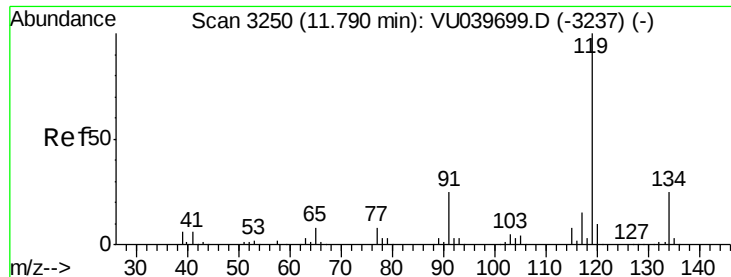
Tgt Ion: 105 Resp: 10028
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.8 22.2



#80
 Nitrobenzene
 Concen: 0.795 ug/l
 RT: 13.20 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Tgt Ion: 77 Resp: 113
 Ion Ratio Lower Upper
 77 100
 123 0.0 16.9 59.9#
 65 0.0 14.4 18.4#

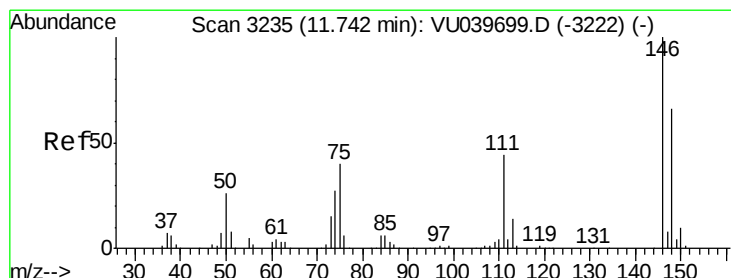
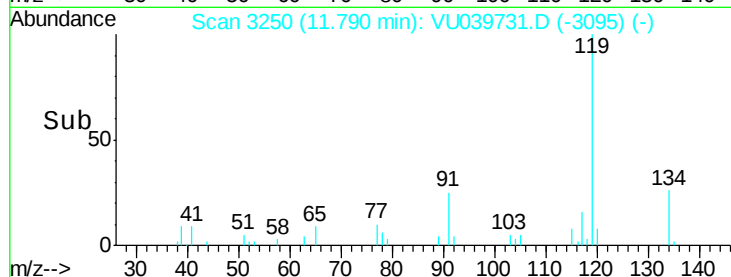
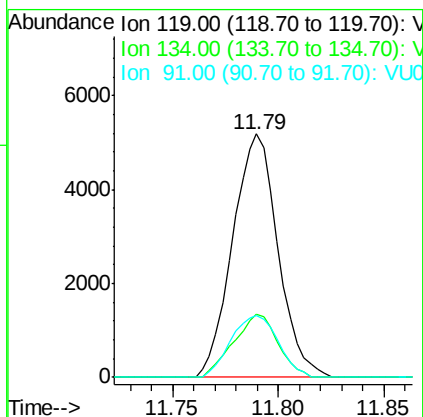
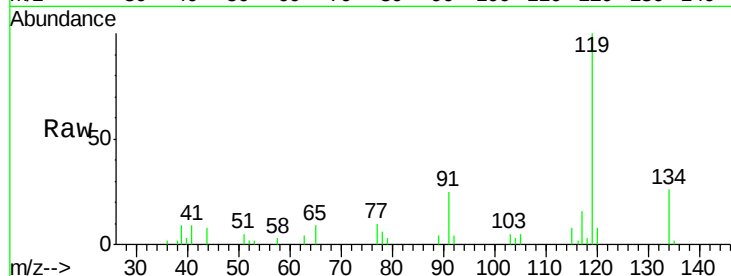




#81
p-Isopropyltoluene
Concen: 0.246 ug/l
RT: 11.79 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

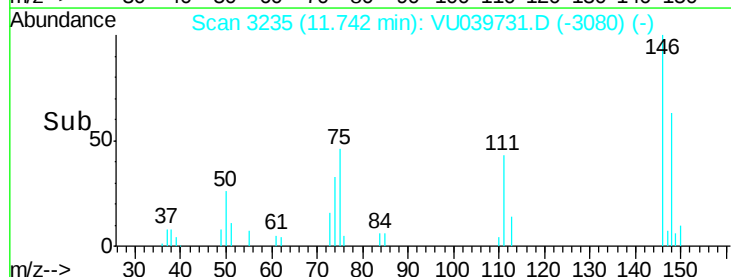
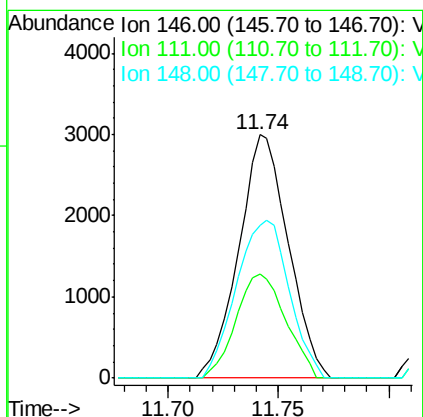
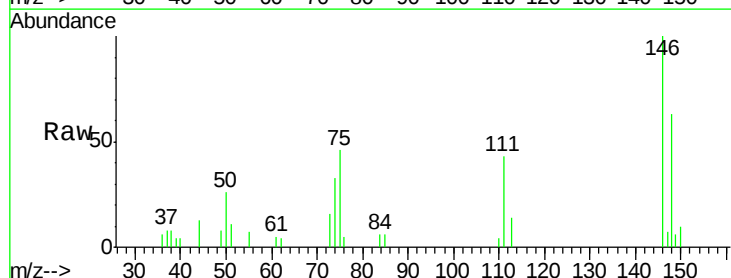
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2020

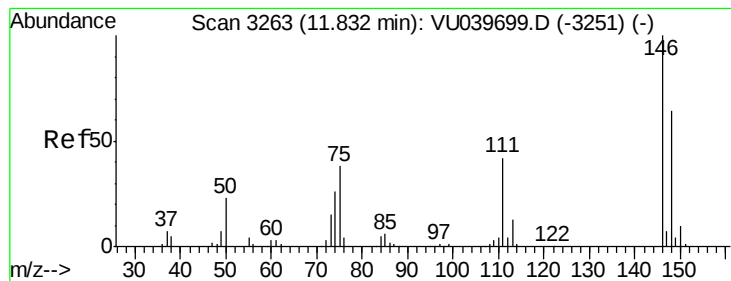
Tgt Ion:119 Resp: 7749
Ion Ratio Lower Upper
119 100
134 25.3 20.2 30.4
91 26.3 20.7 31.1



#82
1,3-Dichlorobenzene
Concen: 0.288 ug/l
RT: 11.74 min Scan# 3235
Delta R.T. -0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

Tgt Ion:146 Resp: 4656
Ion Ratio Lower Upper
146 100
111 42.9 34.5 51.7
148 69.2 51.4 77.0





#83

1,4-Dichlorobenzene

Concen: 0.295 ug/l

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2020

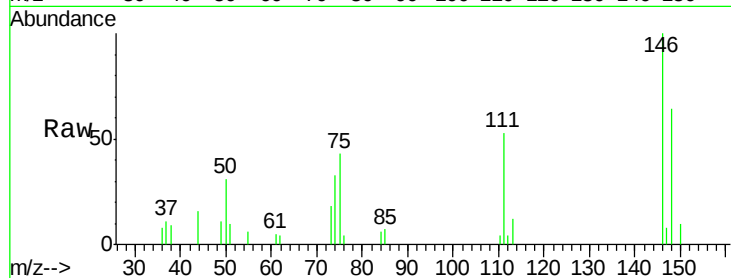
Tgt Ion:146 Resp: 4794

Ion Ratio Lower Upper

146 100

111 42.4 33.8 50.6

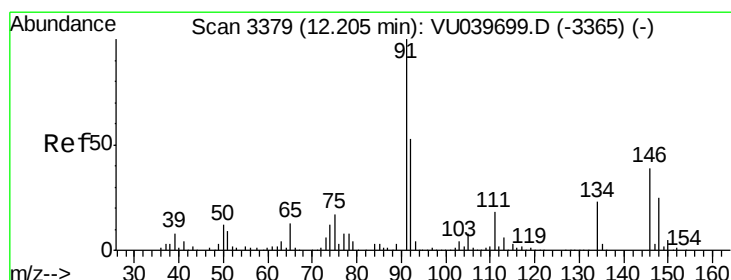
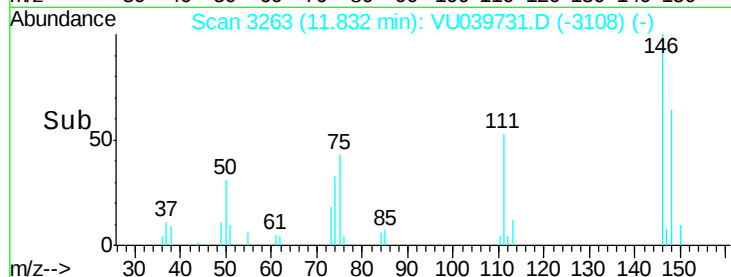
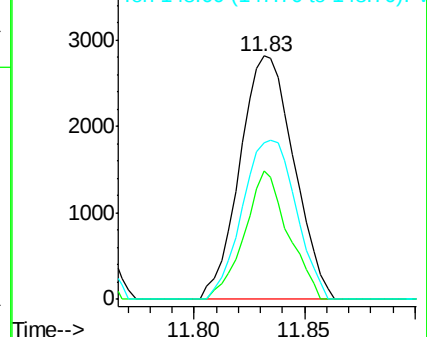
148 64.8 51.1 76.7



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: 0.244 ug/l

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

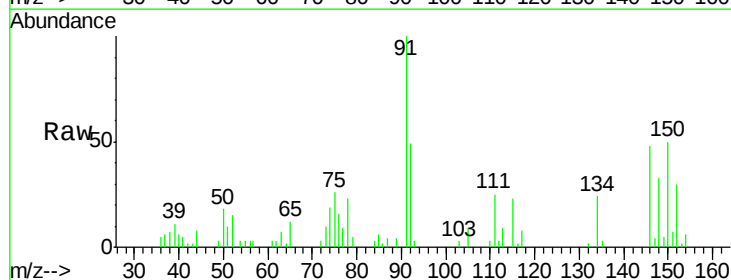
Tgt Ion: 91 Resp: 8164

Ion Ratio Lower Upper

91 100

92 52.1 42.6 64.0

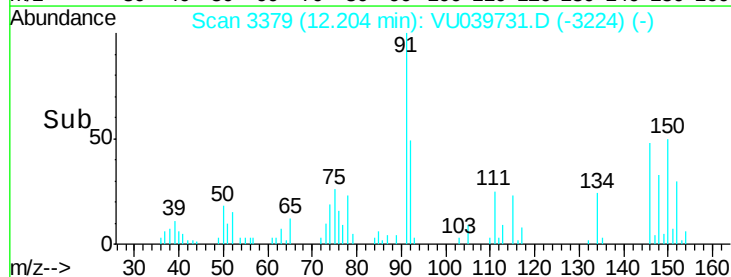
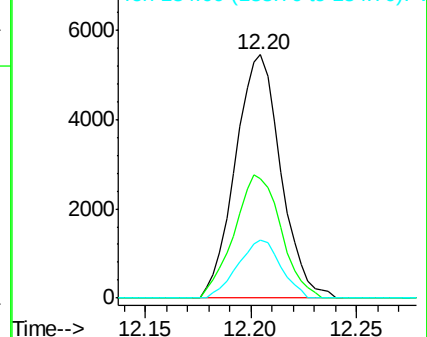
134 22.5 18.2 27.4

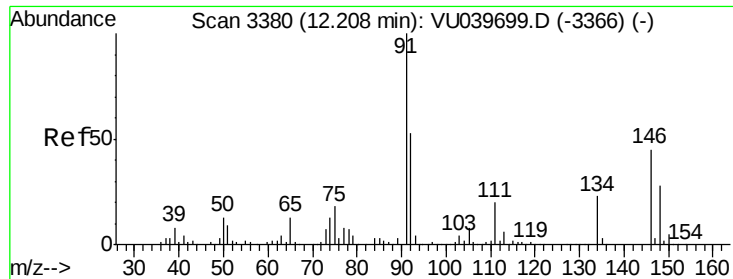


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 0.300 ug/l

RT: 12.21 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2020

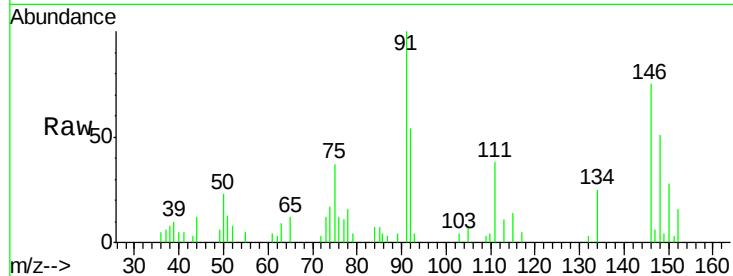
Tgt Ion:146 Resp: 4672

Ion Ratio Lower Upper

146 100

111 50.9 22.8 68.3

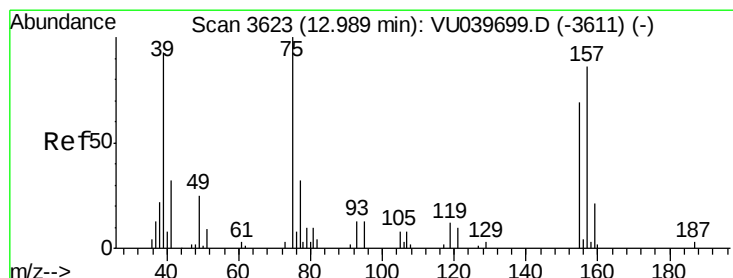
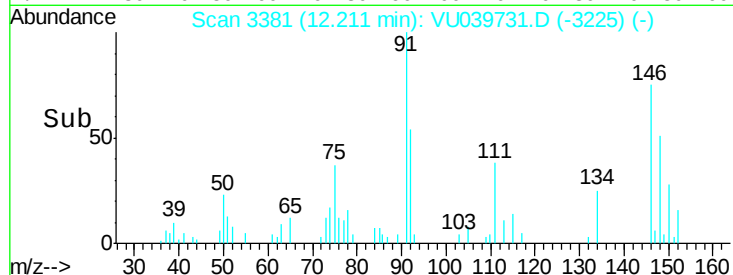
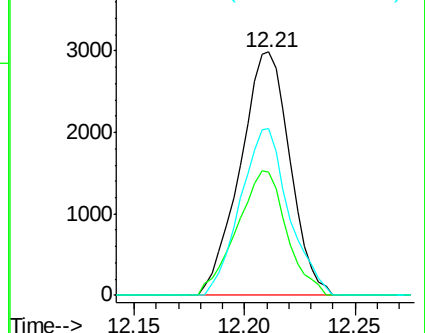
148 66.9 31.7 95.1



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



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.257 ug/l

RT: 12.99 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VU039731.D

Acq: 31 Jul 2020 13:06

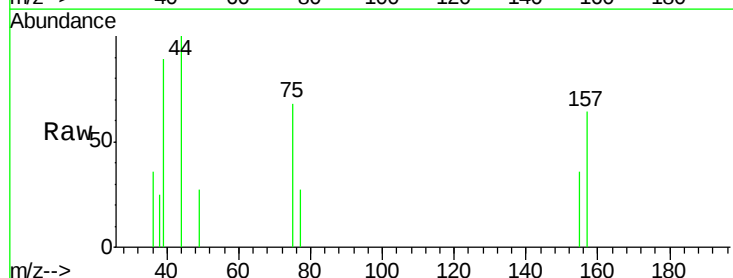
Tgt Ion: 75 Resp: 363

Ion Ratio Lower Upper

75 100

155 57.0 52.9 79.3

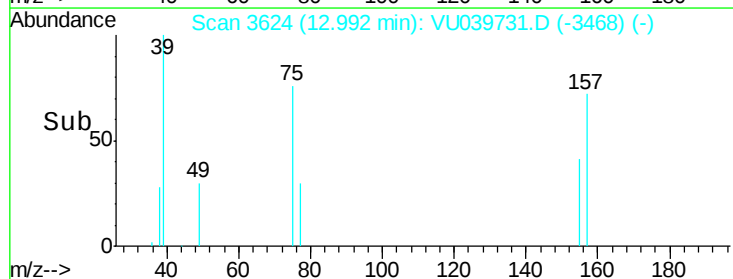
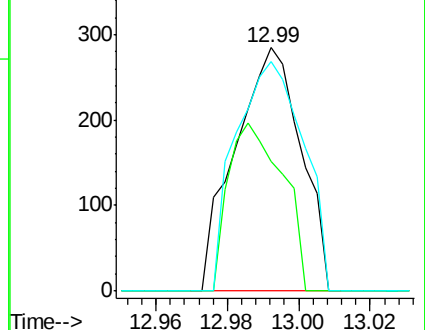
157 97.0 67.8 101.6

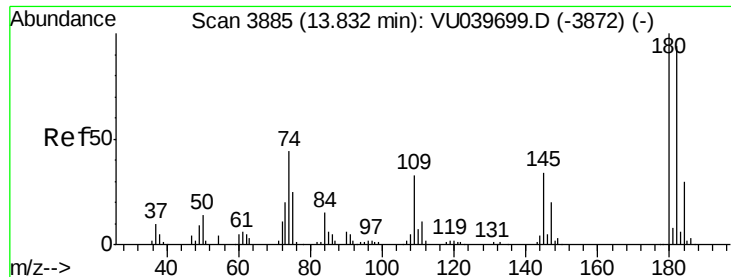


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

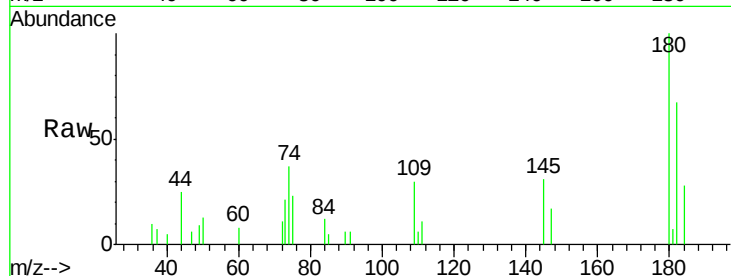




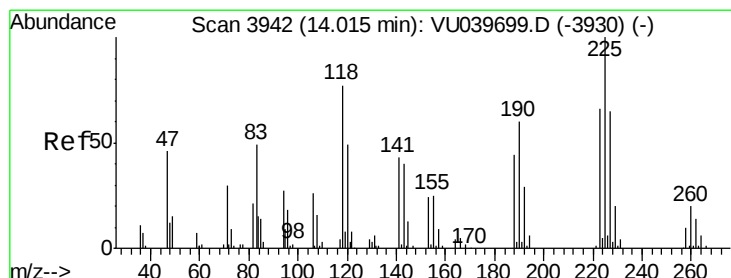
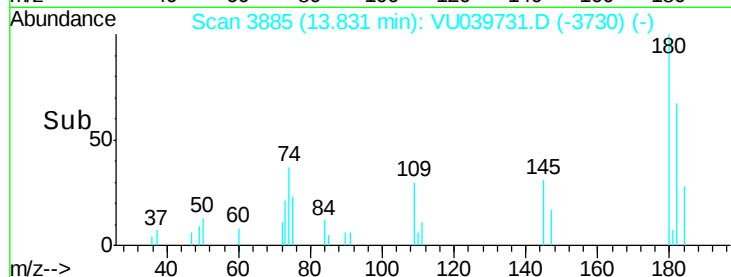
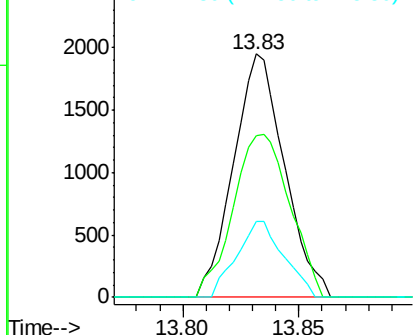
#87
 1,2,4-Trichlorobenzene
 Concen: 0.305 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tgt Ion:180 Resp: 2972
 Ion Ratio Lower Upper
 180 100
 182 74.4 76.2 114.4#
 145 28.9 26.8 40.2

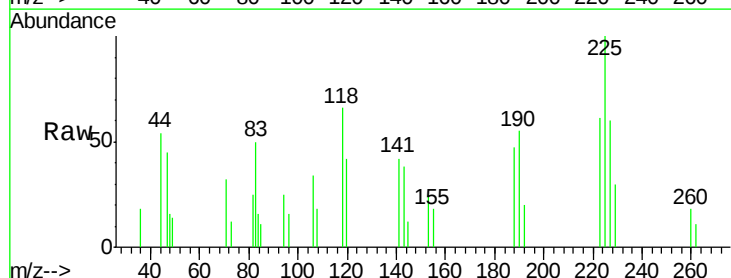


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

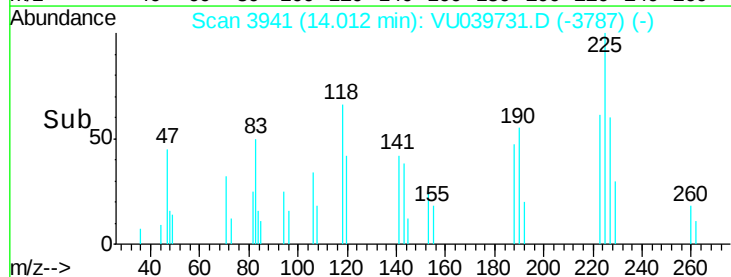
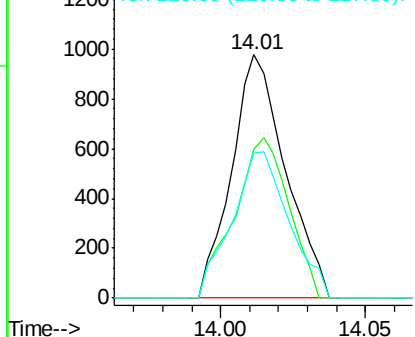


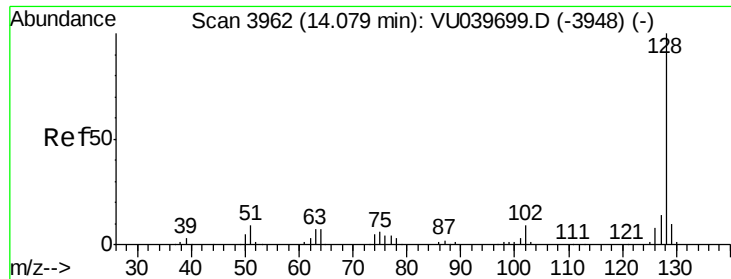
#88
 Hexachlorobutadiene
 Concen: 0.284 ug/l
 RT: 14.01 min Scan# 3941
 Delta R.T. -0.00 min
 Lab File: VU039731.D
 Acq: 31 Jul 2020 13:06

Tgt Ion:225 Resp: 1257
 Ion Ratio Lower Upper
 225 100
 223 66.8 52.4 78.6
 227 63.7 50.7 76.1



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

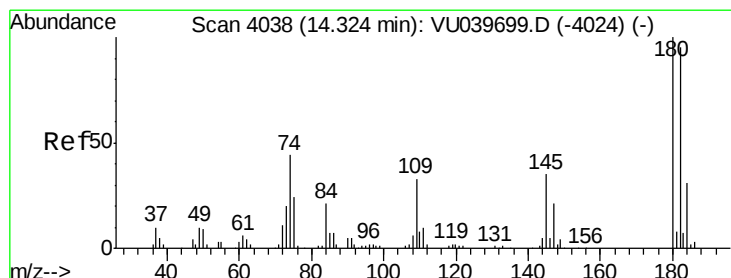
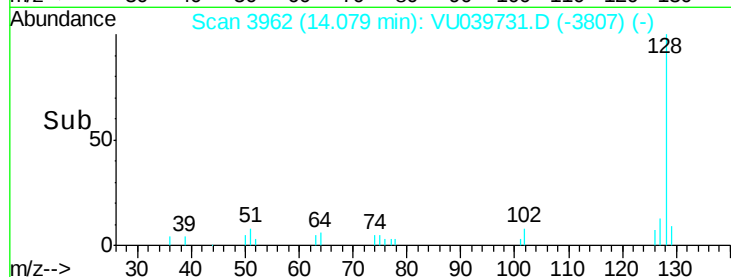
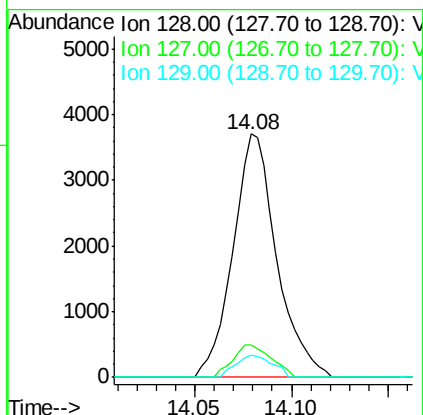
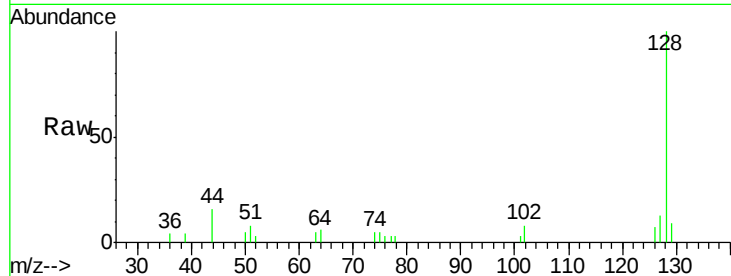




#89
Naphthalene
Concen: 0.279 ug/l
RT: 14.08 min Scan# 3962
Delta R.T. -0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2020

Tgt Ion:128 Resp: 5815
Ion Ratio Lower Upper
128 100
127 11.9 11.0 16.4
129 7.6 8.4 12.6#



#90
1,2,3-Trichlorobenzene
Concen: 0.289 ug/l
RT: 14.32 min Scan# 4038
Delta R.T. -0.00 min
Lab File: VU039731.D
Acq: 31 Jul 2020 13:06

Tgt Ion:180 Resp: 2661
Ion Ratio Lower Upper
180 100
182 92.3 76.0 114.0
145 29.6 27.8 41.6

