

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102220\
 Data File : VU040920.D
 Acq On : 22 Oct 2020 23:53
 Operator : SY/MD
 Sample : L4214-07 0.4PPB
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 LOD-MDL-WATER-01-QT4-2020

Manual Integrations
 APPROVED

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 10/26/2020 4:15:26 PM

Quant Time: Oct 23 07:38:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:00:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.12	96	51837	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	13820	0.73	ug/l	0.00
Spiked Amount 1.000			Recovery	=	73.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	15448	0.78	ug/l	0.00
Spiked Amount 1.000			Recovery	=	78.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	7968	0.330	ug/l	95
3) Chloromethane	1.53	50	9813	0.389	ug/l	98
4) Vinyl Chloride	1.61	62	8463	0.361	ug/l #	84
5) Bromomethane	1.87	94	5149	0.373	ug/l	88
6) Chloroethane	1.94	64	5889	0.411	ug/l	96
7) Trichlorofluoromethane	2.15	101	9932	0.335	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4750	0.288	ug/l #	85
9) 1,1-Dichloroethene	2.60	96	5497	0.383	ug/l	90
10) Iodomethane	2.74	142	4202	0.302	ug/l #	64
11) Allyl Chloride	2.94	41	10691	0.362	ug/l	92
12) Acrylonitrile	3.34	53	3772	0.745	ug/l #	89
13) Acetone	2.64	43	7968	1.881	ug/l	92
14) Carbon Disulfide	2.81	76	19479	0.361	ug/l #	95
15) Methylene Chloride	3.06	84	9172	0.492	ug/l	96
16) trans-1,2-Dichloroethene	3.37	96	5876	0.362	ug/l	98
17) 1,1-Dichloroethane	3.89	63	12287	0.370	ug/l	96
18) 2-Butanone	4.74	43	11530	1.683	ug/l	98
19) Cyclohexane	5.39	56	10523m	0.336	ug/l	
20) Methylcyclohexane	6.77	83	6000	0.256	ug/l	97
21) 2,2-Dichloropropane	4.69	77	9598	0.342	ug/l	100
22) cis-1,2-Dichloroethene	4.68	96	6321	0.365	ug/l	94
23) Diethyl Ether	2.39	59	4509	0.318	ug/l	90
24) tert-Butyl Alcohol	3.21	59	8404	5.315	ug/l #	91
25) Methyl tert-Butyl Ether	3.39	73	15123	0.340	ug/l #	78
26) Bromochloromethane	4.99	128	2632	0.349	ug/l	95
27) Chloroform	5.11	83	11899	0.375	ug/l	99
28) 1,1,1-Trichloroethane	5.33	97	9678	0.353	ug/l	95
29) 1,1-Dichloropropene	5.54	75	7633	0.318	ug/l	96
30) Carbon Tetrachloride	5.53	117	8090	0.326	ug/l	96
31) Isopropyl Ether	4.02	45	17576	0.342	ug/l	85
32) Ethyl-t-butyl ether	4.53	59	15541	0.343	ug/l	99
33) Tert-Amyl methyl ether	5.96	73	9225	0.274	ug/l	96
34) Propionitrile	4.80	54	3650	1.940	ug/l #	83
35) Benzene	5.79	78	21586	0.325	ug/l	99
36) 1,2-Dichloroethane	5.81	62	8334	0.338	ug/l #	94
37) Trichloroethene	6.55	130	5568	0.354	ug/l	92
38) 1,2-Dichloropropane	6.80	63	5640	0.299	ug/l	91
39) Methacrylonitrile	5.01	41	3458	0.392	ug/l #	84
40) Methyl acrylate	4.87	55	4588	0.379	ug/l #	84
41) Tetrahydrofuran	5.08	42	4307	0.949	ug/l #	74
42) 1-Chlorobutane	5.47	56	12792	0.353	ug/l	97

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Manual Integrations
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Quant Time: Oct 23 07:38:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:00:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	3480	0.329	ug/l	95
44) Bromodichloromethane	7.12	83	7999	0.326	ug/l	98
45) 4-Methyl-2-Pentanone	7.81	43	18228	1.313	ug/l	95
46) t-1,4-Dichloro-2-butene	10.83	75	4187m	0.763	ug/l	
47) Methyl methacrylate	6.98	69	4388	0.497	ug/l	94
48) Ethyl methacrylate	8.35	69	3366	0.227	ug/l	87
49) Toluene	7.97	92	9060	0.248	ug/l	97
50) t-1,3-Dichloropropene	8.21	75	6144	0.290	ug/l	98
51) cis-1,3-Dichloropropene	7.62	75	6492	0.279	ug/l #	82
52) 1,1,2-Trichloroethane	8.41	97	4487	0.336	ug/l	93
53) 1,3-Dichloropropane	8.58	76	7281	0.303	ug/l	98
54) 2-Hexanone	8.70	43	12756	1.315	ug/l	90
55) Dibromochloromethane	8.82	129	4688	0.292	ug/l	98
56) 1,2-Dibromoethane	8.93	107	3850	0.311	ug/l	96
58) Tetrachloroethene	8.56	164	4763	0.324	ug/l	94
59) Chlorobenzene	9.45	112	11181	0.289	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.54	131	5177	0.340	ug/l	91
61) Pentachloroethane	11.43	117	3922	0.319	ug/l	96
62) Hexachloroethane	12.47	117	3960	0.317	ug/l	99
63) Ethyl Benzene	9.57	91	13850	0.216	ug/l	94
64) m/p-Xylenes	9.70	106	10313	0.422	ug/l	95
65) o-Xylene	10.10	106	4799	0.213	ug/l	97
67) Bromoform	10.29	173	2755	0.318	ug/l #	90
69) Isopropylbenzene	10.48	105	13172	0.219	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	5947	0.327	ug/l #	98
71) 1,2,3-Trichloropropane	10.82	75	3366m	0.243	ug/l	
72) Bromobenzene	10.78	156	4470	0.285	ug/l	87
73) n-propylbenzene	10.90	120	3605	0.210	ug/l	95
74) 2-Chlorotoluene	10.98	126	3567	0.229	ug/l	100
77) tert-Butylbenzene	11.41	119	11269	0.222	ug/l	88
80) Nitrobenzene	13.21	77	1488	1.730	ug/l #	73
82) 1,3-Dichlorobenzene	11.74	146	8043	0.235	ug/l	90
83) 1,4-Dichlorobenzene	11.83	146	8210	0.238	ug/l	96
84) n-Butylbenzene	12.20	91	12065	0.205	ug/l	88
85) 1,2-Dichlorobenzene	12.20	146	7935	0.243	ug/l	91
86) 1,2-Dibromo-3-Chloropropan	12.99	75	948	0.279	ug/l	95
87) 1,2,4-Trichlorobenzene	13.83	180	4713	0.246	ug/l	98
88) Hexachlorobutadiene	14.01	225	3028	0.282	ug/l	94
89) Naphthalene	14.08	128	8114	0.219	ug/l	95
90) 1,2,3-Trichlorobenzene	14.32	180	4565	0.245	ug/l #	95

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

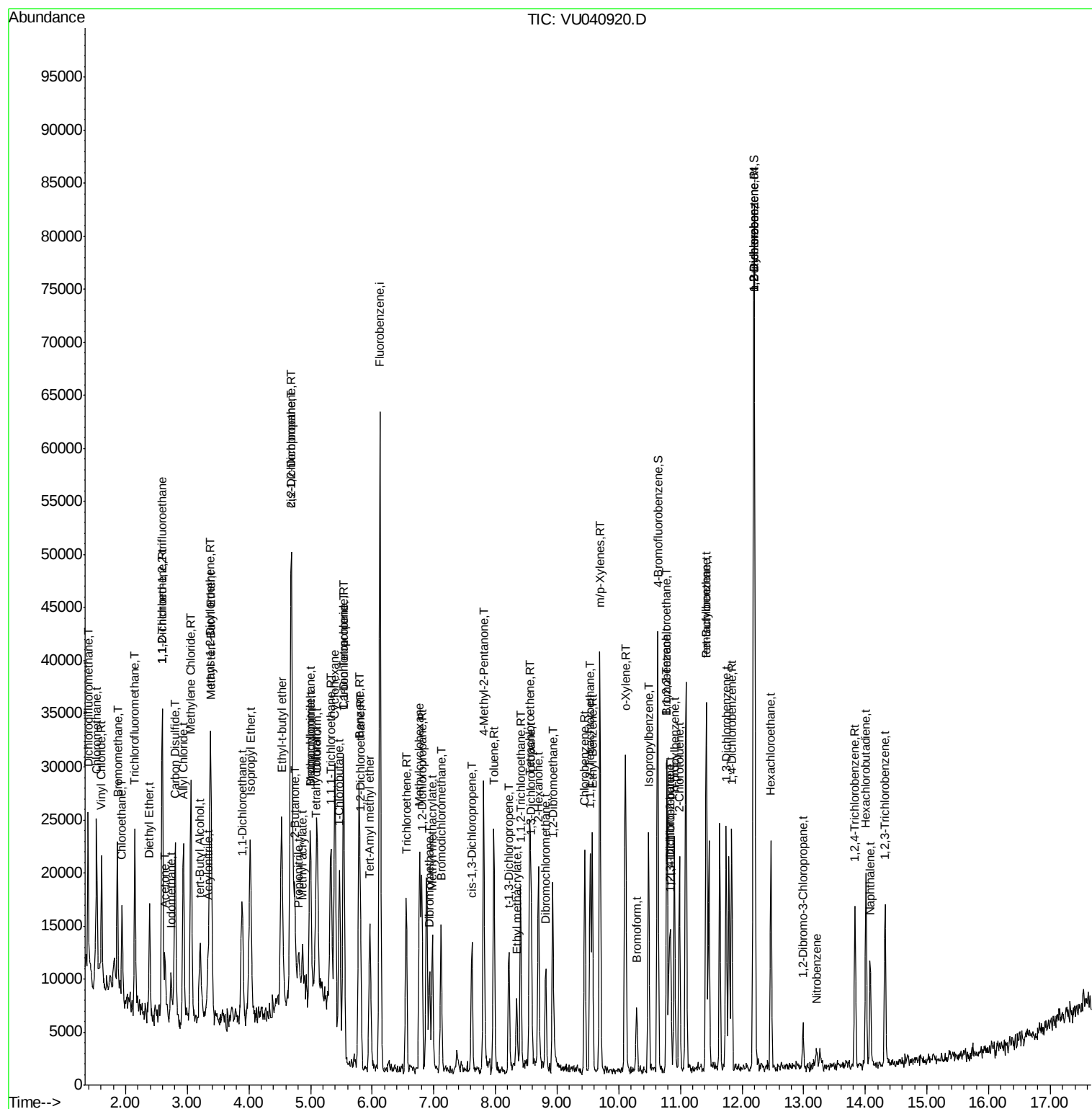
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU102220\
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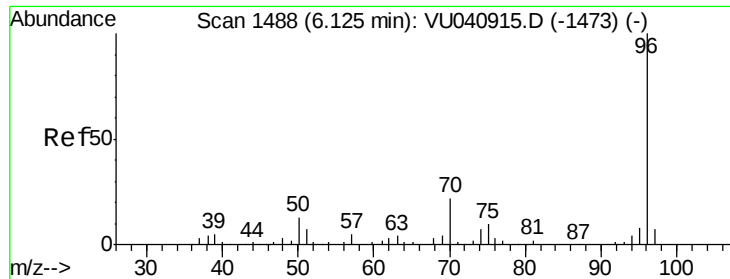
Instrument :
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

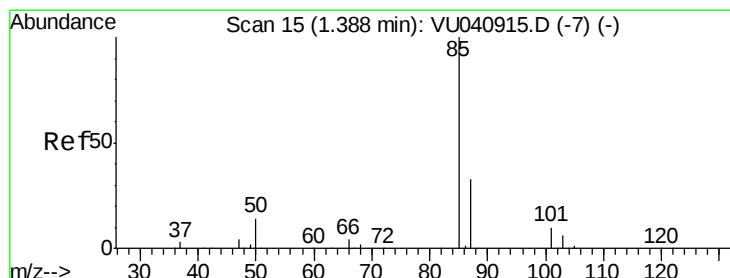
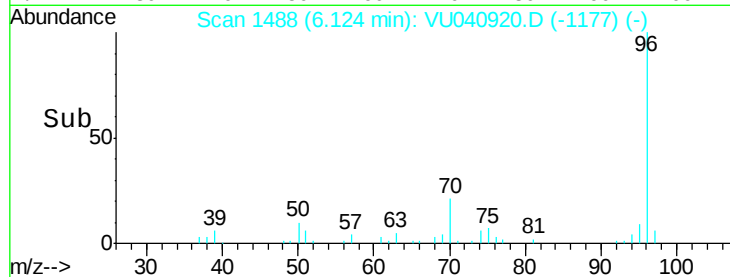
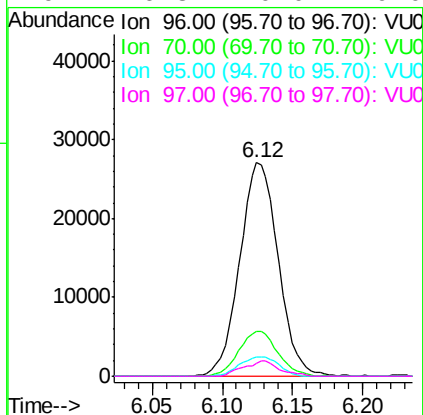
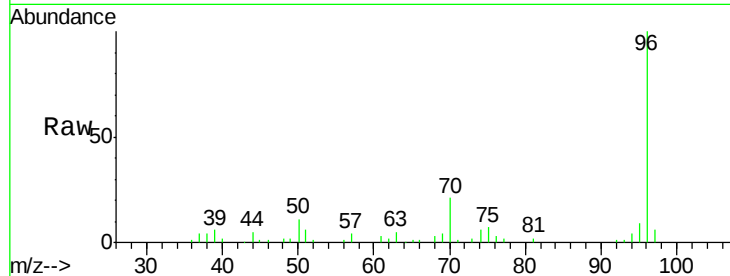
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	96	Resp:	51837
Ion Ratio	Lower	Upper	
96	100		
70	21.1	16.3	24.5
95	9.2	7.3	10.9
97	6.8	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.330 ug/l

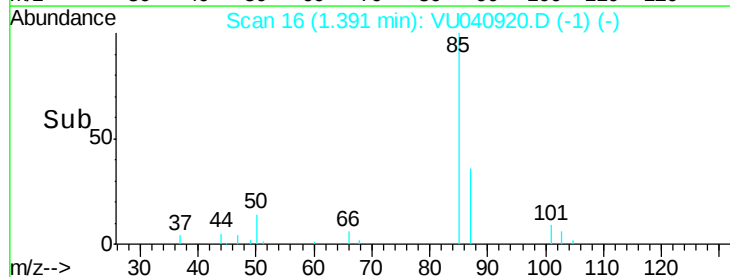
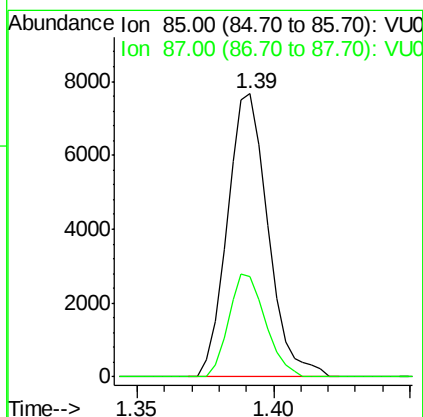
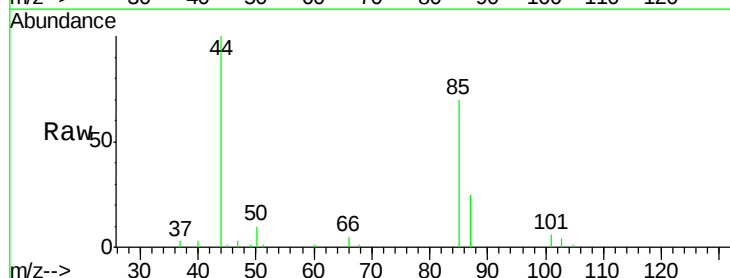
RT: 1.39 min Scan# 16

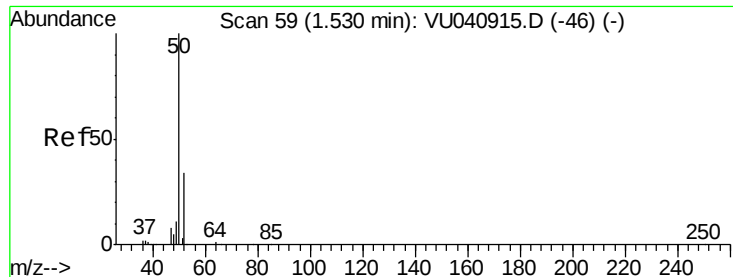
Delta R.T. 0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Tgt Ion:	85	Resp:	7968
Ion Ratio	Lower	Upper	
85	100		
87	35.6	16.5	49.5





#3

Chloromethane

Concen: 0.389 ug/l

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 50 Resp: 9813

Ion Ratio Lower Upper

50 100

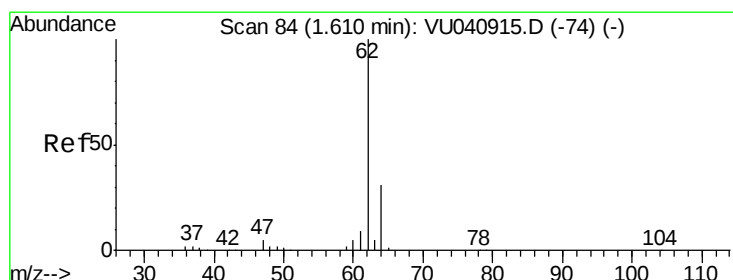
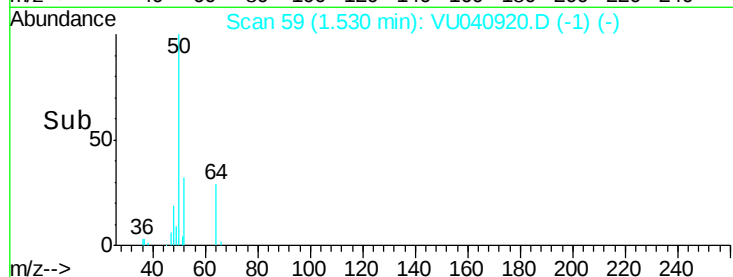
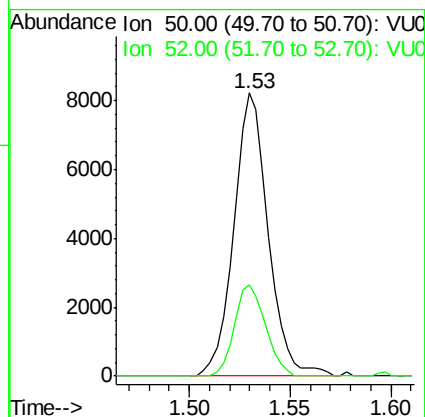
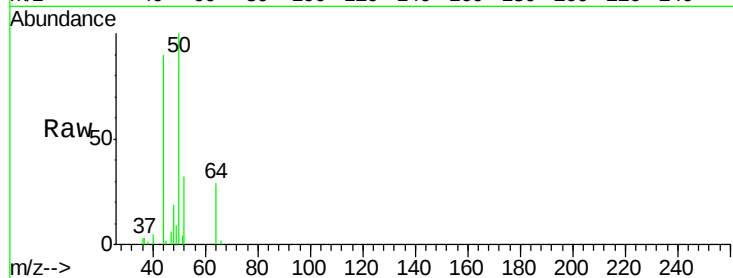
52 32.3 26.9 40.3

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#4

Vinyl Chloride

Concen: 0.361 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040920.D

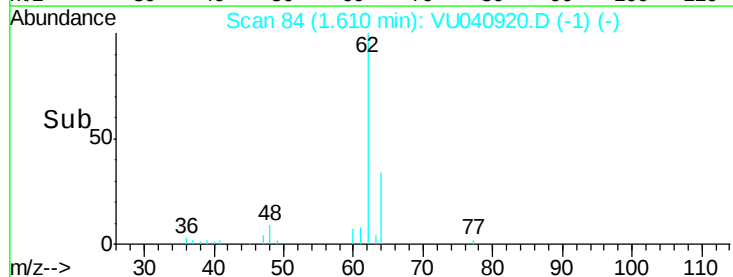
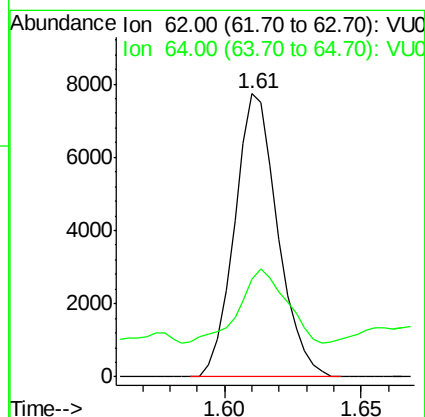
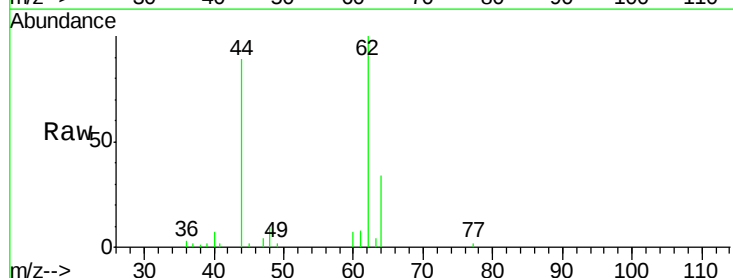
Acq: 22 Oct 2020 23:53

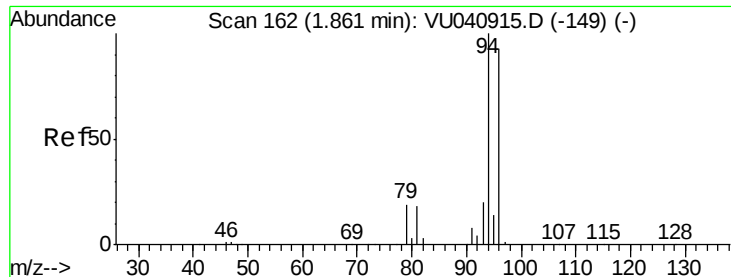
Tgt Ion: 62 Resp: 8463

Ion Ratio Lower Upper

62 100

64 22.0 24.7 37.1#





#5

Bromomethane

Concen: 0.373 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 94 Resp: 5149

Ion Ratio Lower Upper

94 100

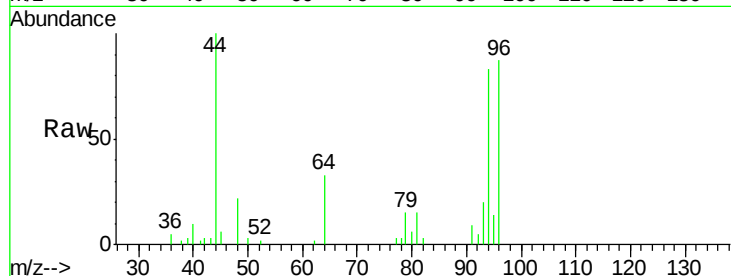
96 104.9 74.4 111.6

Manual Integrations

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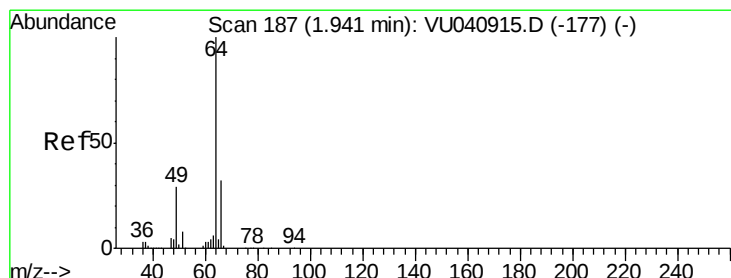
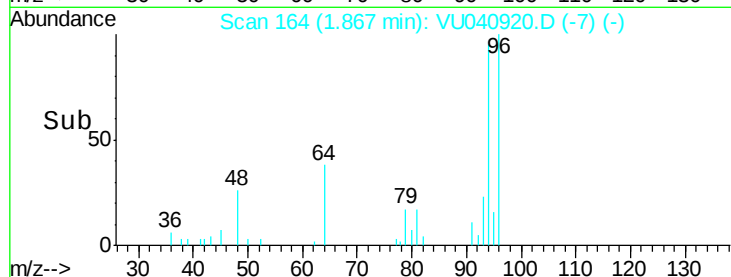
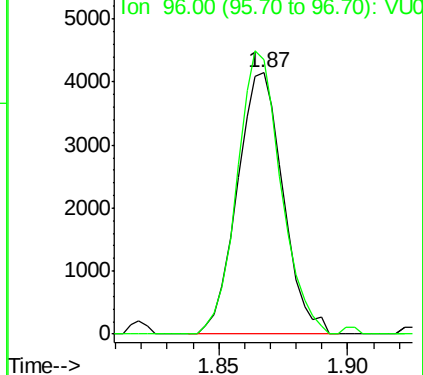
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.411 ug/l

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040920.D

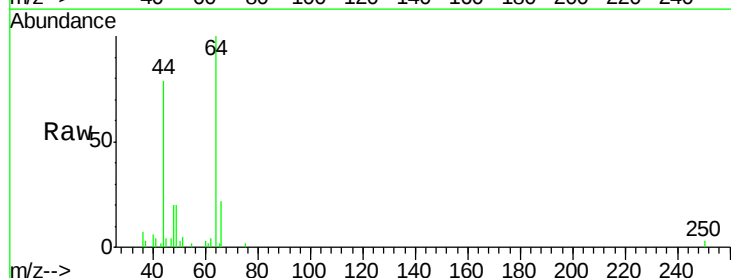
Acq: 22 Oct 2020 23:53

Tgt Ion: 64 Resp: 5889

Ion Ratio Lower Upper

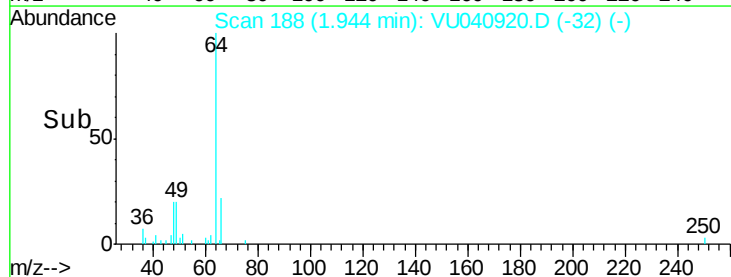
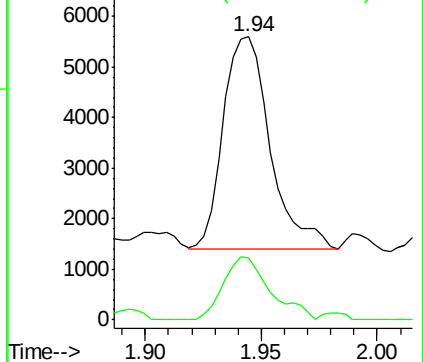
64 100

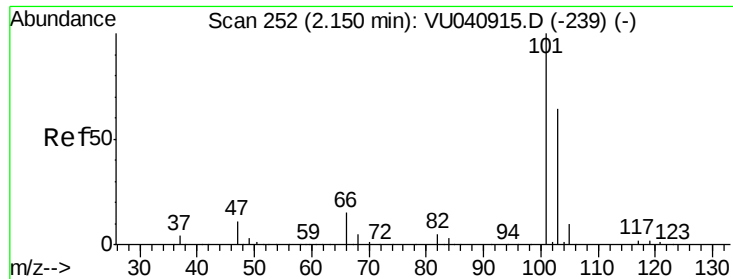
66 29.5 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

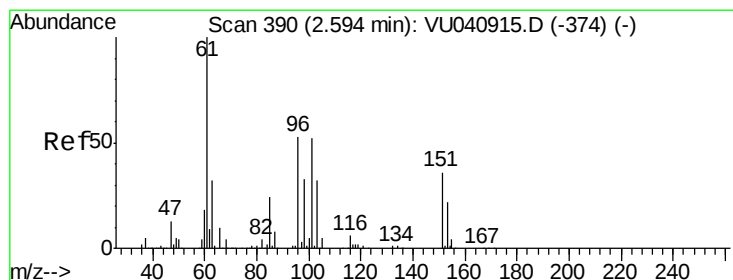
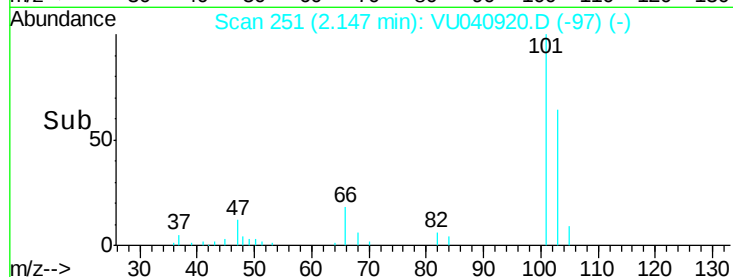
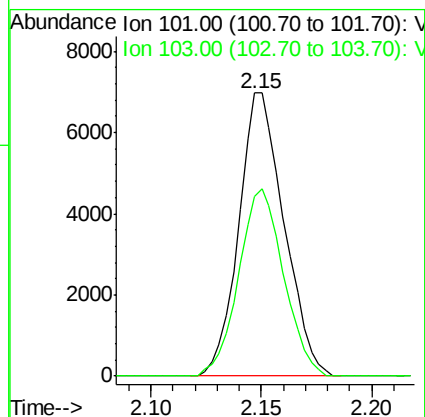
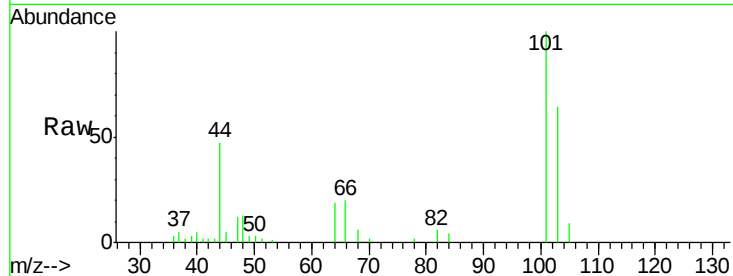
Trichlorofluoromethane
Concen: 0.335 ug/l
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

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Tot Ion:101 Resp: 9932
Ion Ratio Lower Upper
101 100
103 63.5 51.5 77.3

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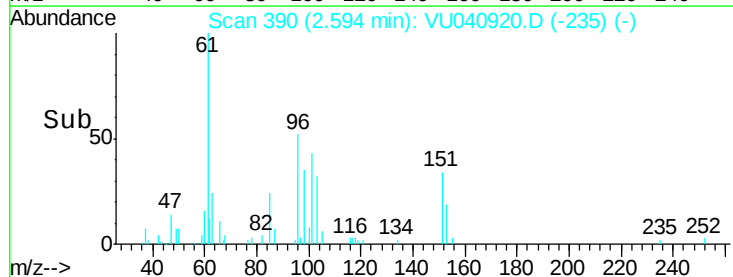
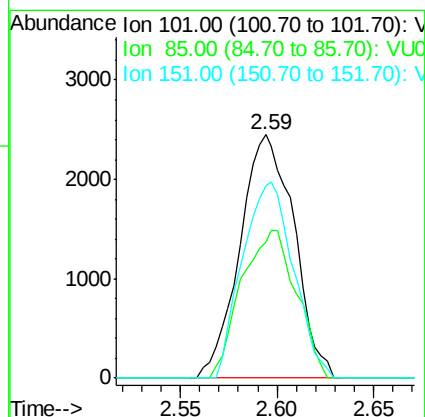
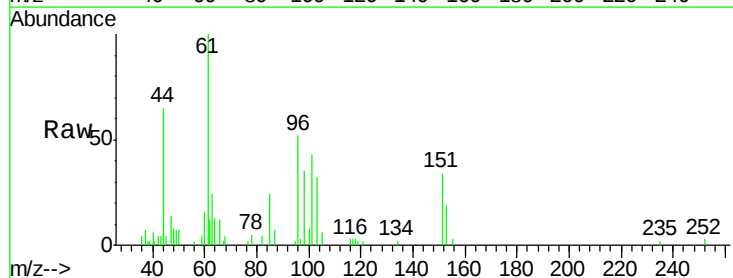
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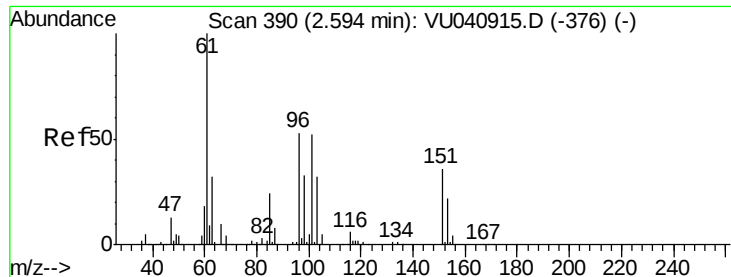


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.288 ug/l
RT: 2.59 min Scan# 390
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion:101 Resp: 4750
Ion Ratio Lower Upper
101 100
85 61.5 36.2 54.2#
151 76.0 55.1 82.7





#9

1,1-Dichloroethene

Concen: 0.383 ug/l

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

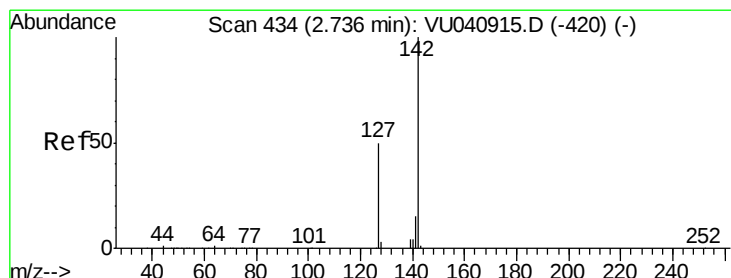
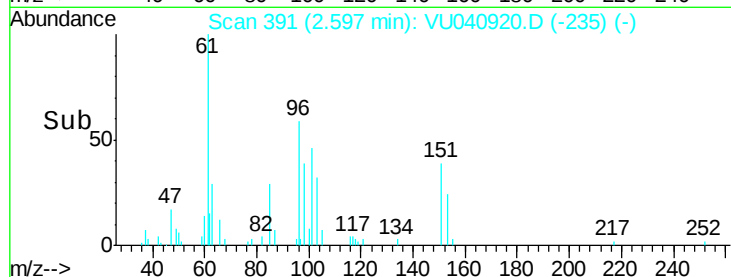
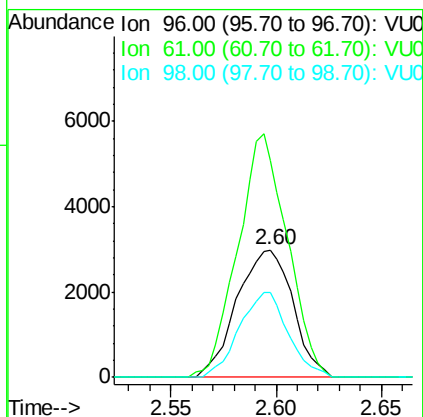
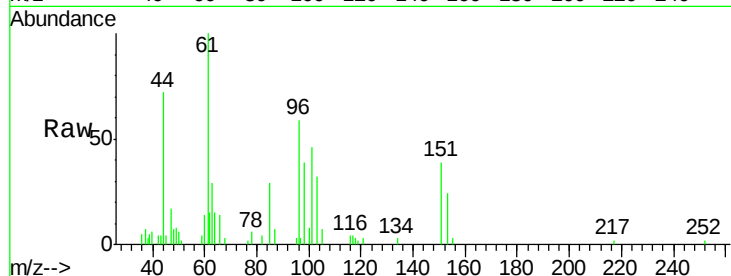
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Tot Ion:	96	Resp:	5497
Ion	Ratio	Lower	Upper
96	100		
61	170.1	0.0	561.9
98	66.4	0.0	125.0

Manual Integrations
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#10

Iodomethane

Concen: 0.302 ug/l

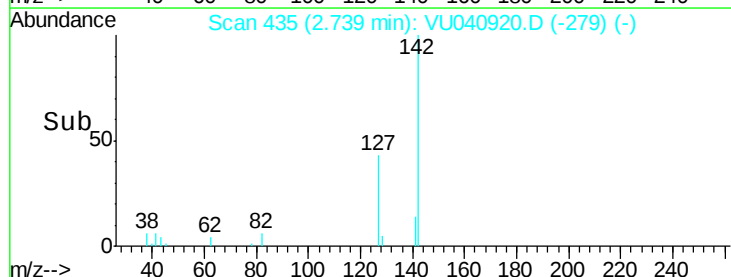
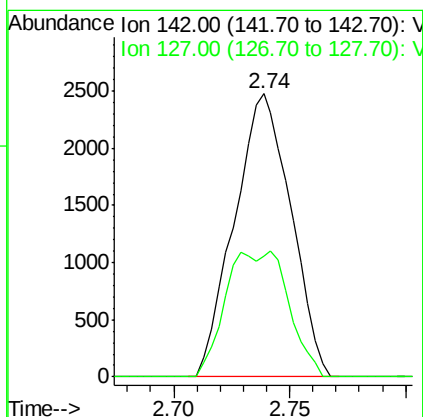
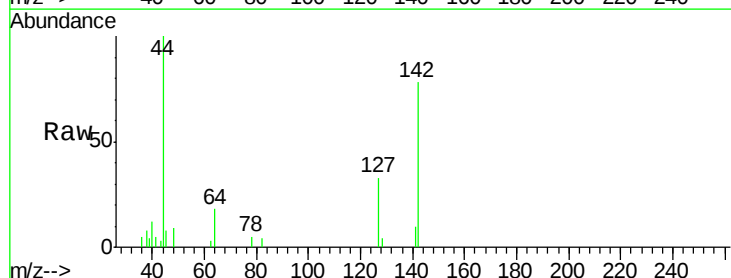
RT: 2.74 min Scan# 435

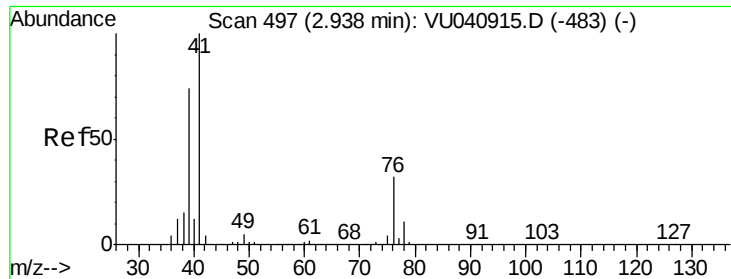
Delta R.T. 0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Tgt Ion:	142	Resp:	4202
Ion	Ratio	Lower	Upper
142	100		
127	26.0	40.6	60.8#





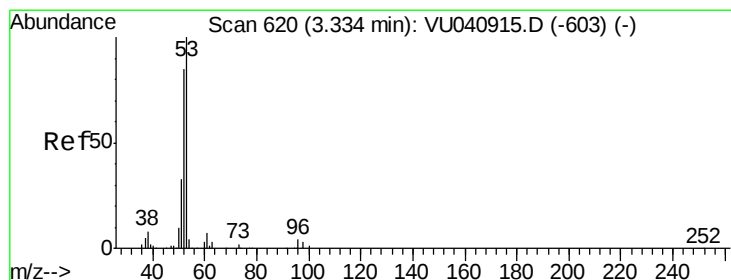
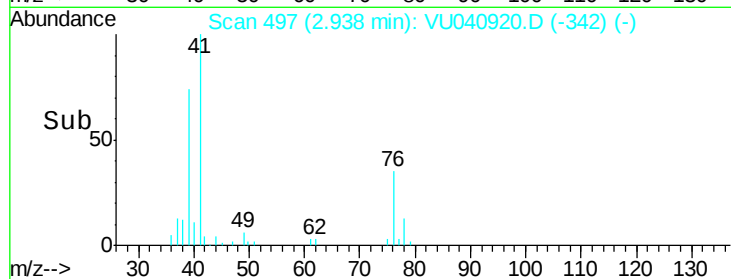
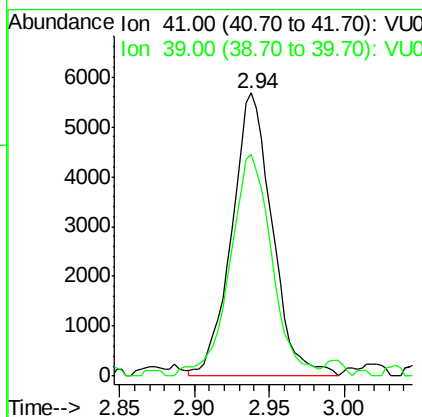
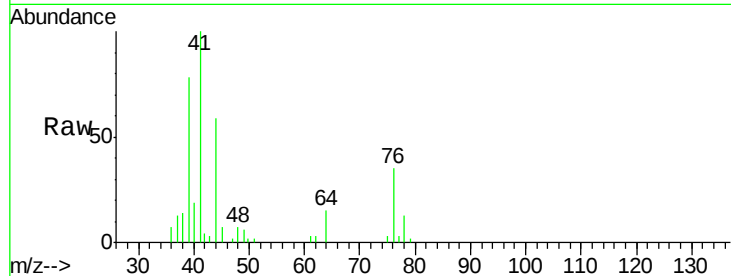
#11
Allvl Chloride
Concen: 0.362 ug/l
RT: 2.94 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 41 Resp: 10691
Ion Ratio Lower Upper
41 100
39 80.8 59.0 88.4

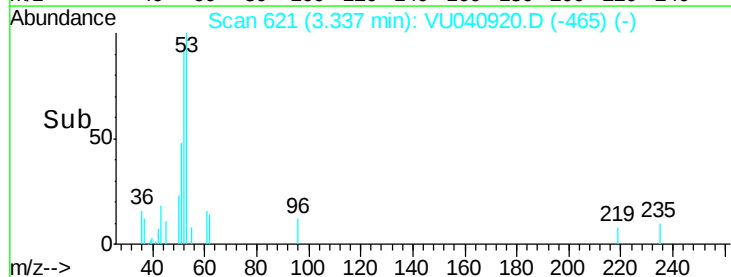
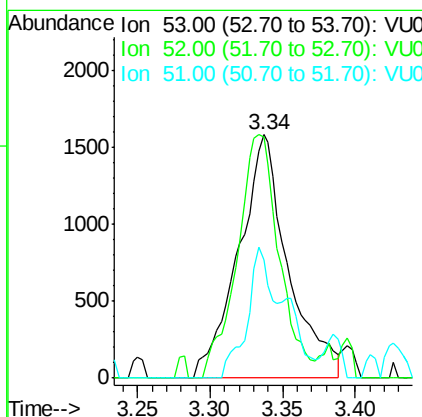
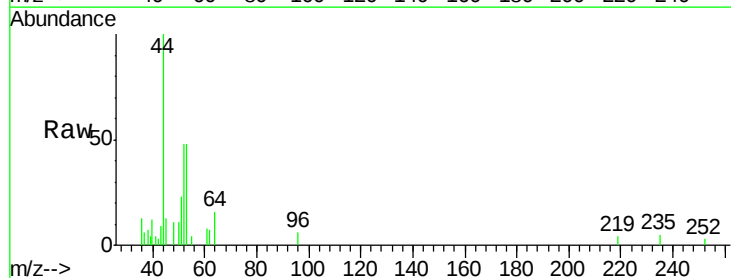
Manual Integrations
APPROVED

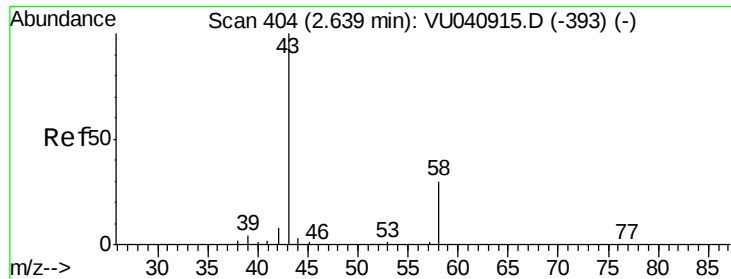
MMDadoda
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#12
Acrylonitrile
Concen: 0.745 ug/l
RT: 3.34 min Scan# 621
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion: 53 Resp: 3772
Ion Ratio Lower Upper
53 100
52 84.8 63.1 94.7
51 27.0 30.6 46.0#





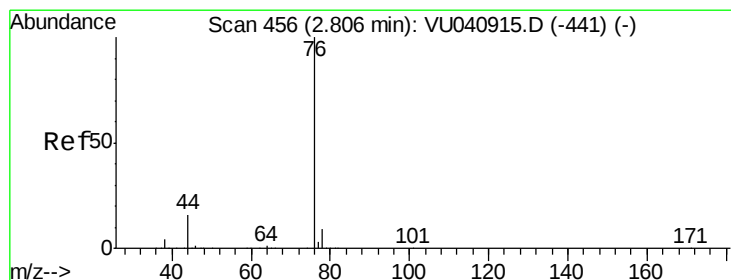
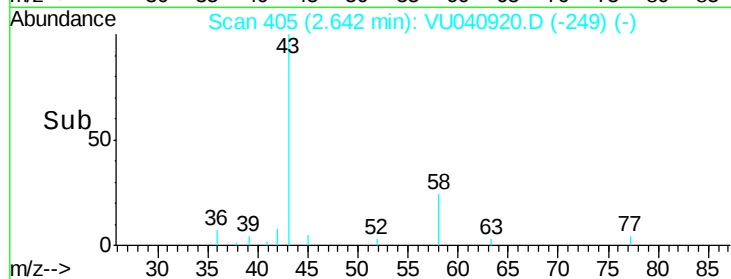
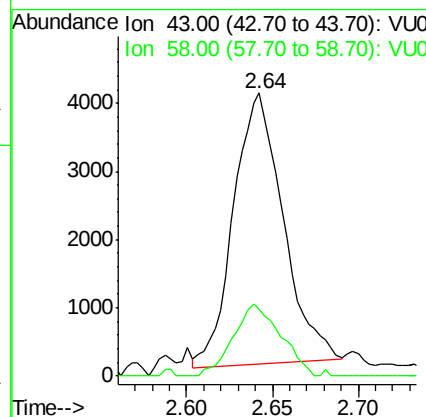
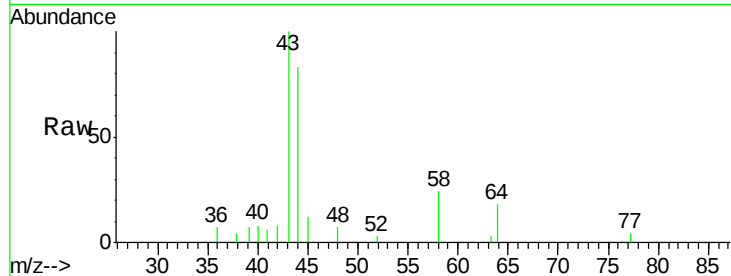
#13
Acetone
Concen: 1.881 ug/l
RT: 2.64 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 7968
Ion Ratio Lower Upper
43 100
58 25.3 23.6 35.4

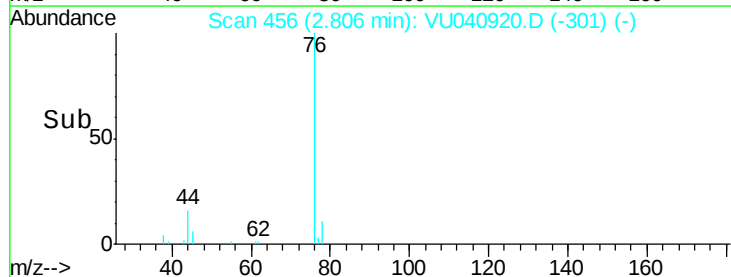
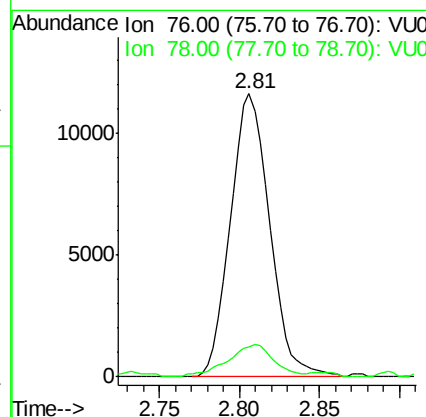
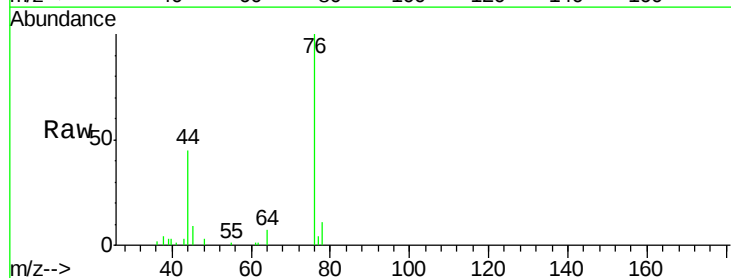
Manual Integrations
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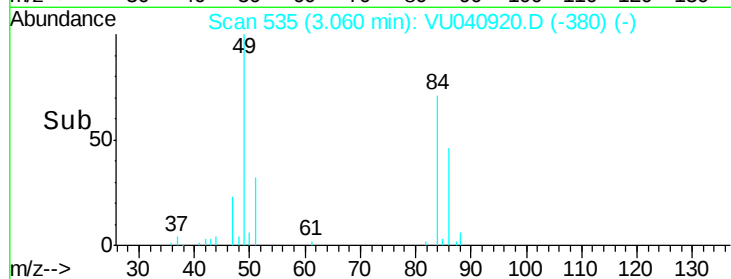
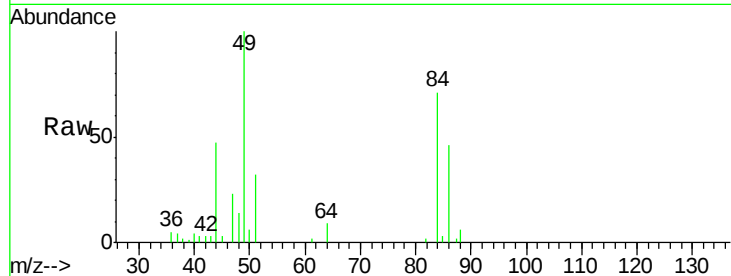
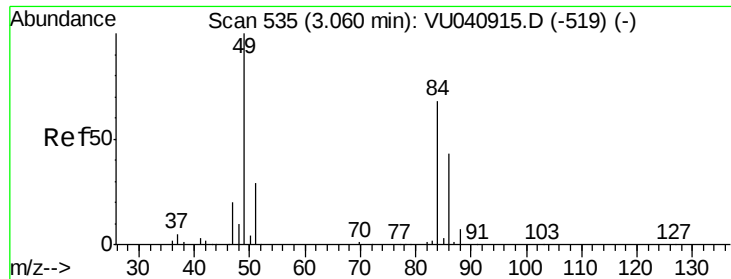
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#14
Carbon Disulfide
Concen: 0.361 ug/l
RT: 2.81 min Scan# 456
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion: 76 Resp: 19479
Ion Ratio Lower Upper
76 100
78 10.8 7.1 10.7#





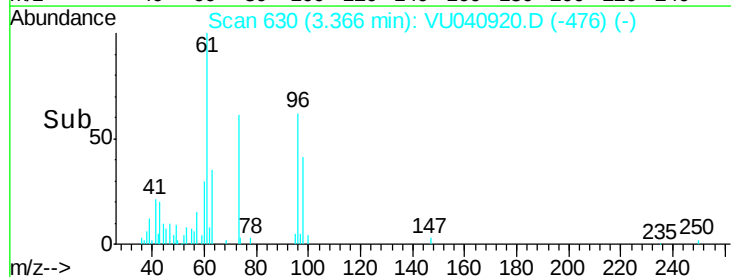
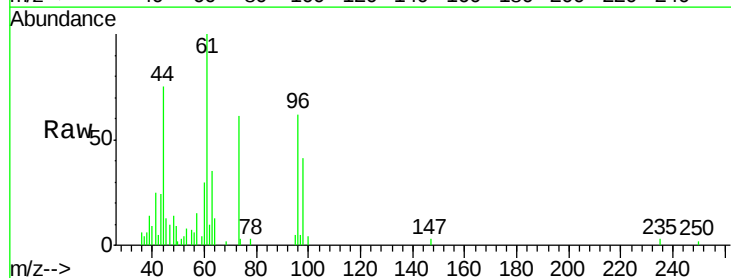
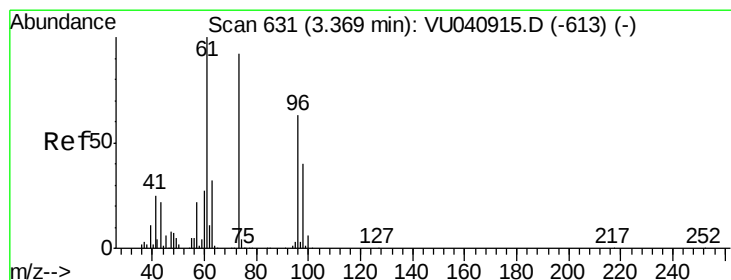
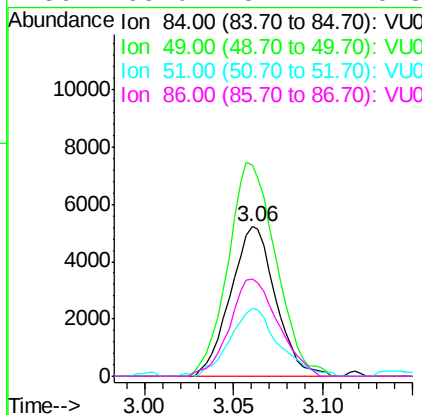
#15
Methvlene Chloride
Concen: 0.492 ug/l
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tot Ion:	84	Resp:	9172
Ion	Ratio	Lower	Upper
84	100		
49	140.9	118.2	177.4
51	45.2	0.0	86.8
86	65.0	51.2	76.8

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

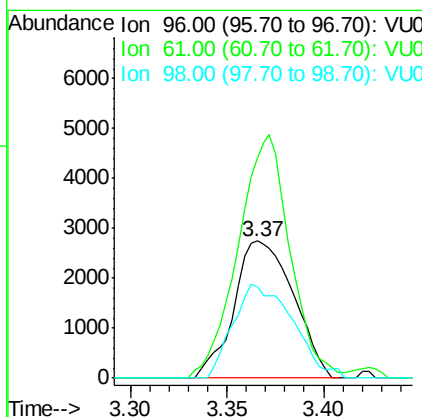
Manual Integrations
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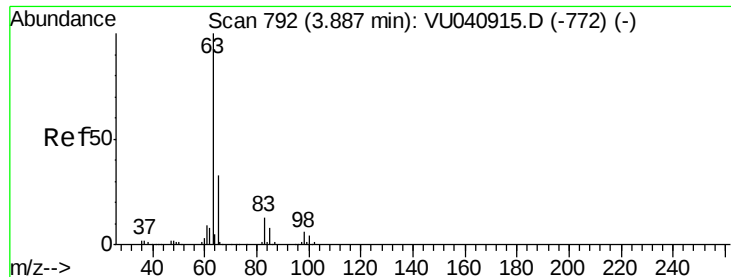
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 0.362 ug/l
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion:	96	Resp:	5876
Ion	Ratio	Lower	Upper
96	100		
61	161.3	127.0	190.4
98	66.7	51.2	76.8





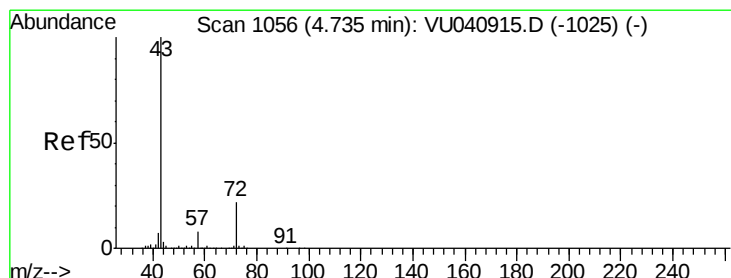
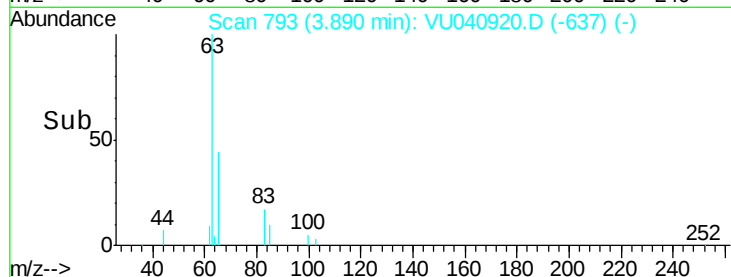
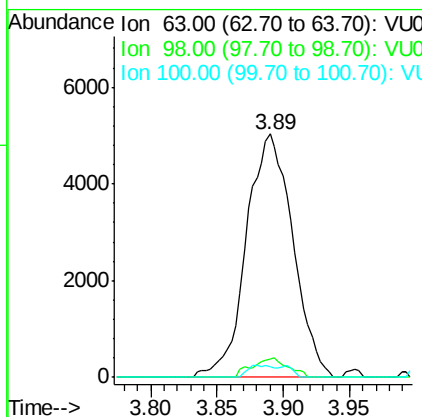
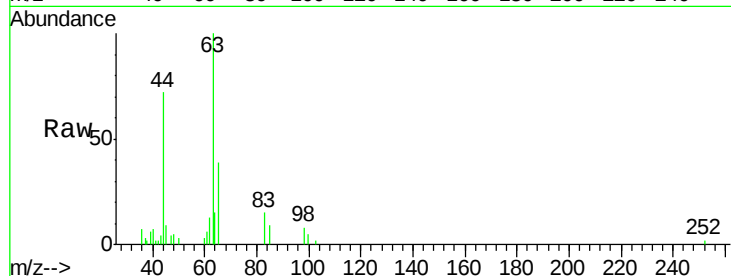
#17
 1,1-Dichloroethane
 Concen: 0.370 ug/l
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion:	63	Resp:	12287
Ion Ratio	Lower	Upper	
63	100		
98	7.7	3.0	9.2
100	4.6	1.8	5.5

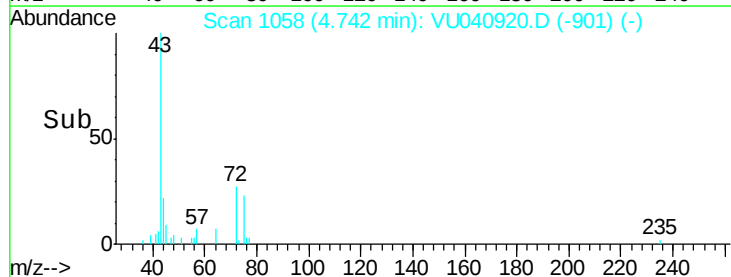
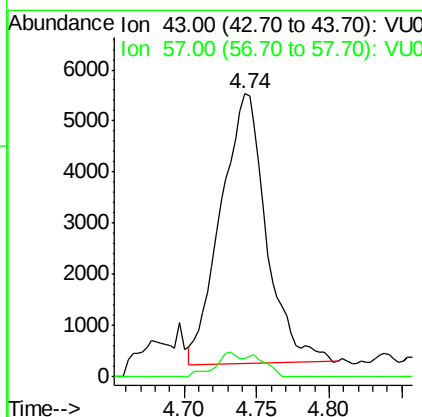
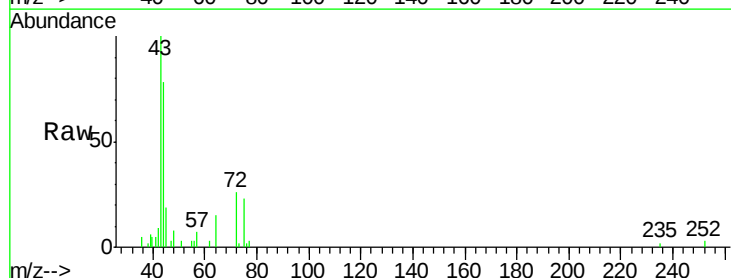
Manual Integrations
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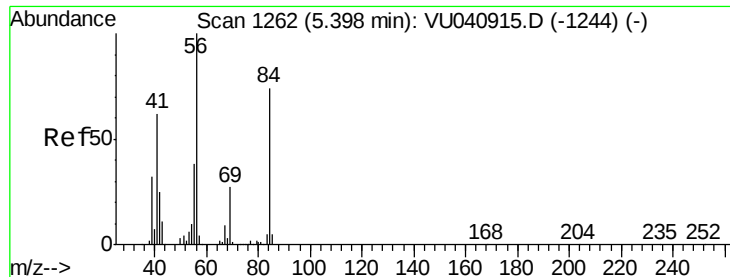
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#18
 2-Butanone
 Concen: 1.683 ug/l
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.01 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Tgt Ion:	43	Resp:	11530
Ion Ratio	Lower	Upper	
43	100		
57	6.9	0.0	15.2





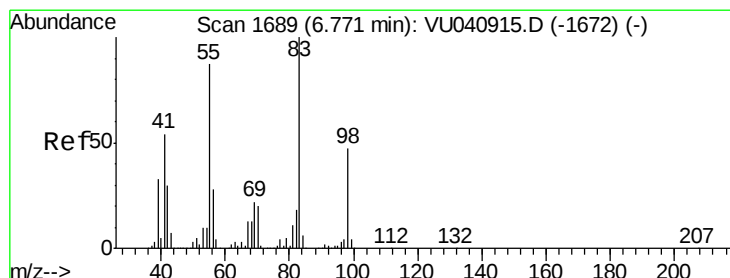
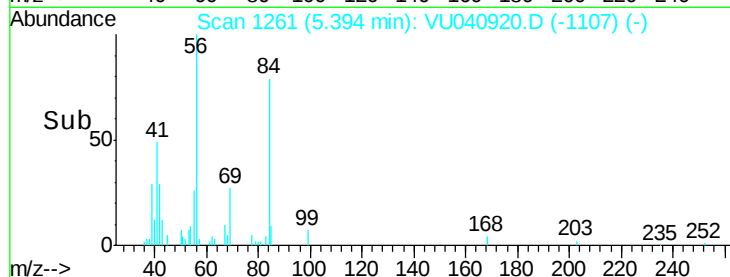
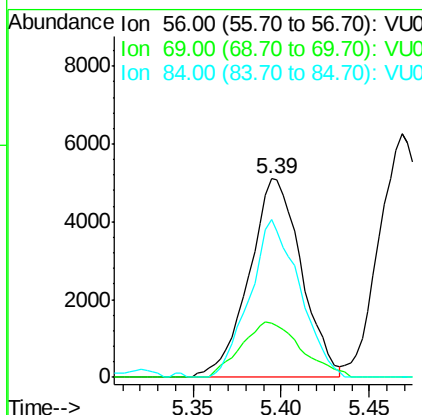
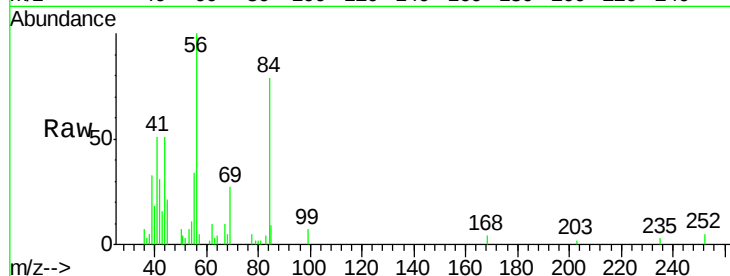
#19
Cyclohexane
Concen: 0.336 ug/l m
RT: 5.39 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	22.2	33.2
84	75.7	60.1	90.1

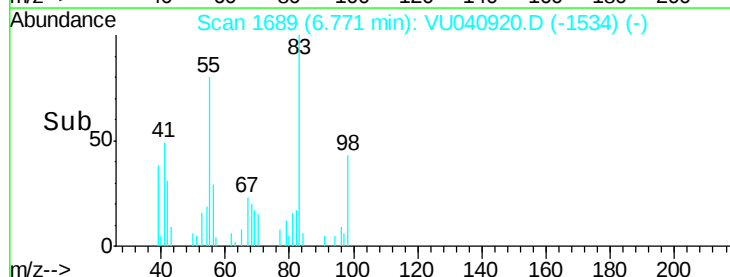
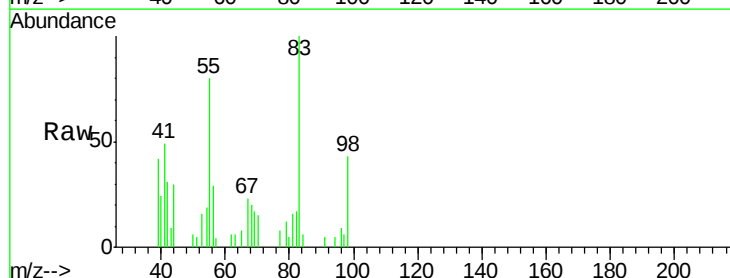
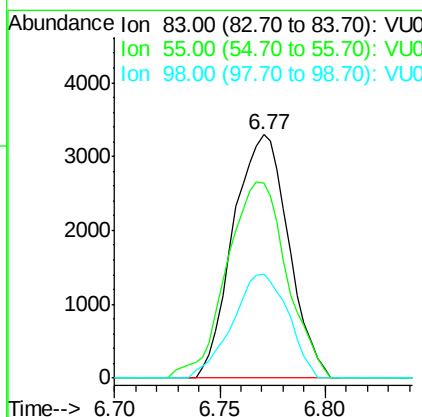
Manual Integrations
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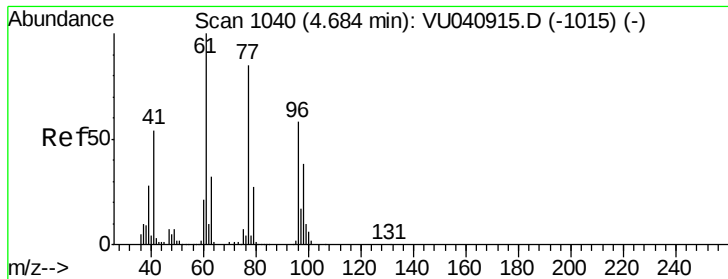
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#20
Methylcyclohexane
Concen: 0.256 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.4	71.0	106.4
98	43.0	38.1	57.1





#21

2,2-Dichloropropane

Concen: 0.342 ug/l

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 77 Resp: 9598

Ion Ratio Lower Upper

77 100

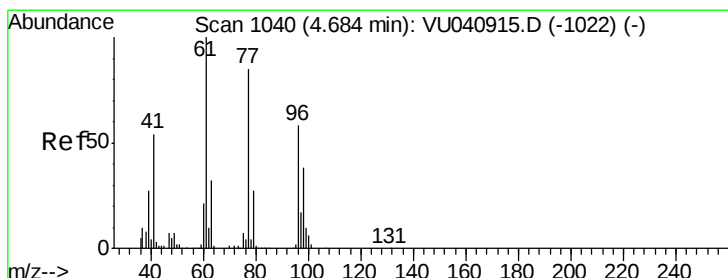
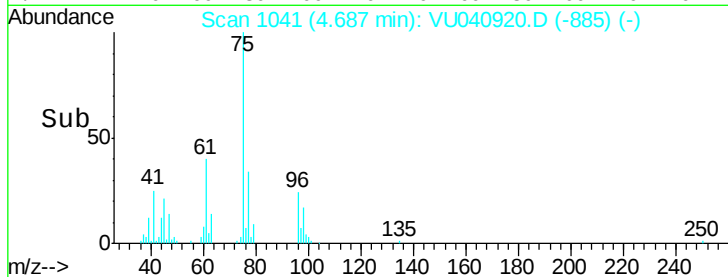
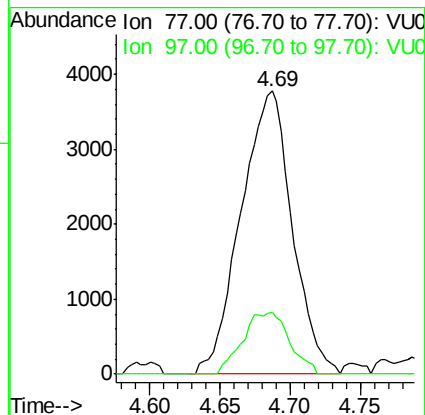
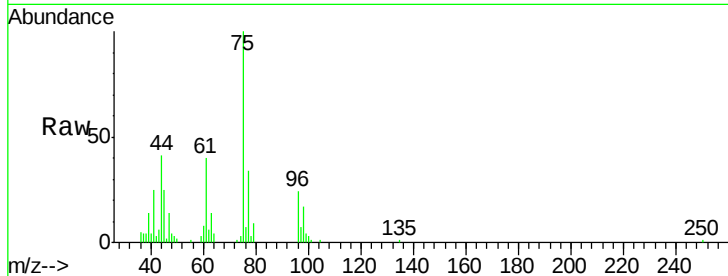
97 20.0 16.0 24.0

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 0.365 ug/l

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

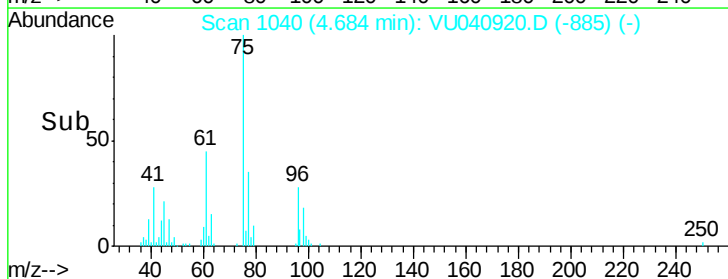
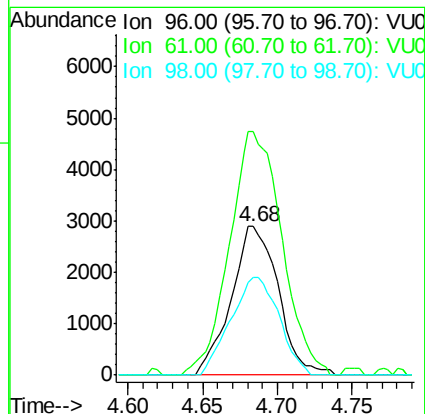
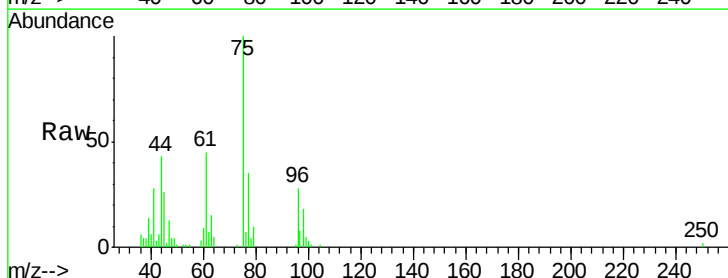
Tgt Ion: 96 Resp: 6321

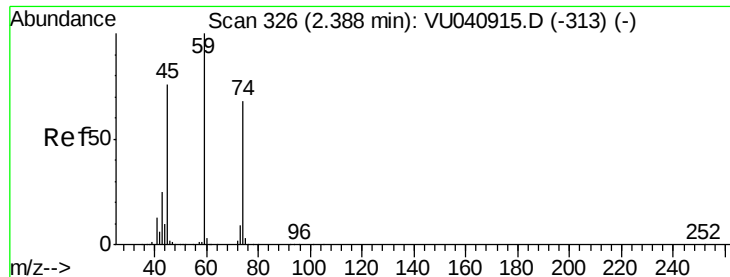
Ion Ratio Lower Upper

96 100

61 182.7 0.0 434.5

98 67.7 32.6 97.8





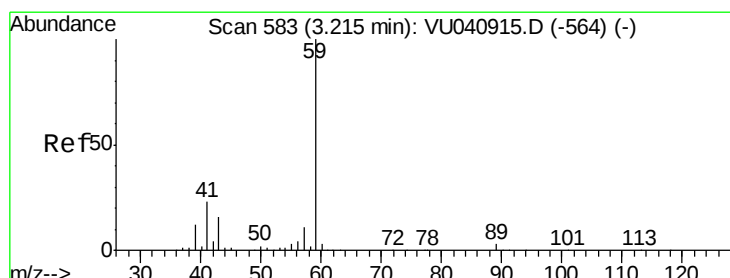
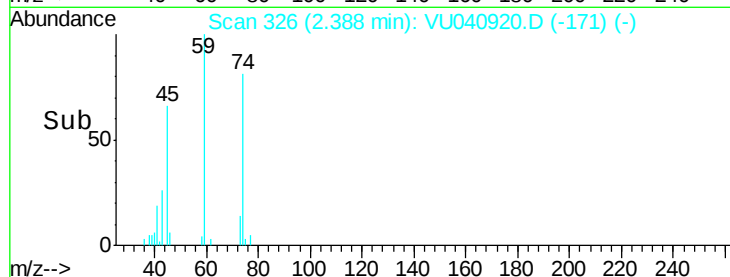
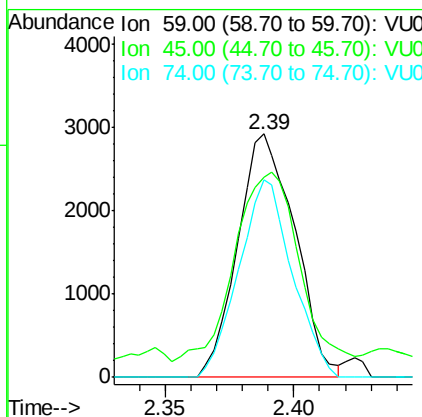
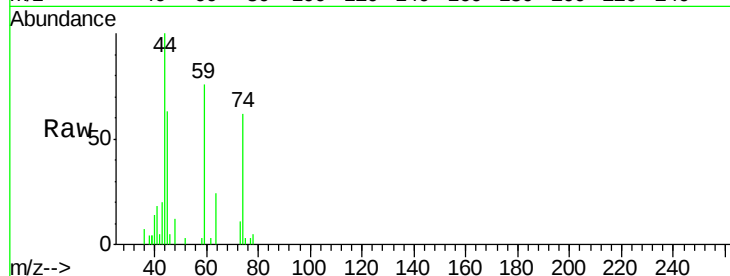
#23
Diethyl Ether
Concen: 0.318 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:	59	Resp:	4509
Ion	Ratio	Lower	Upper
59	100		
45	86.1	61.4	92.2
74	76.1	55.0	82.4

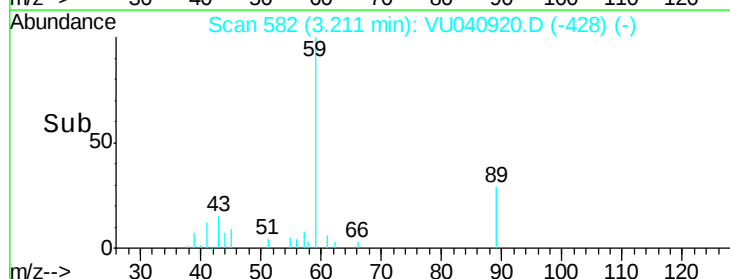
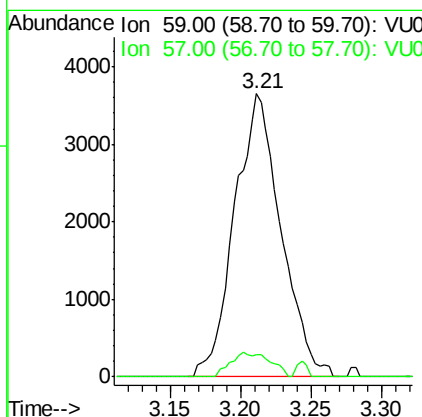
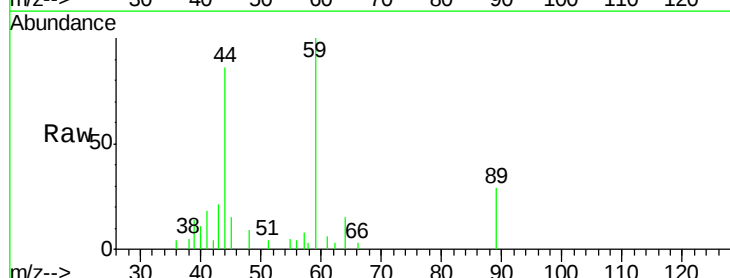
Manual Integrations
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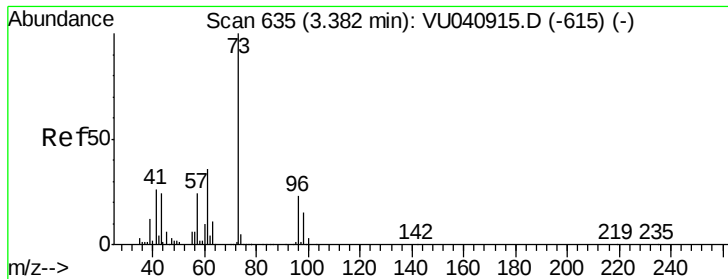
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#24
tert-Butyl Alcohol
Concen: 5.315 ug/l
RT: 3.21 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion:	59	Resp:	8404
Ion	Ratio	Lower	Upper
59	100		
57	7.3	8.4	12.6#





#25

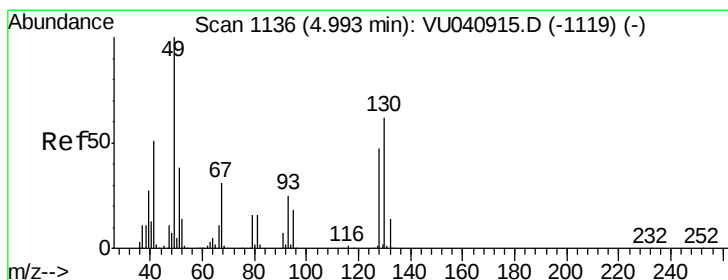
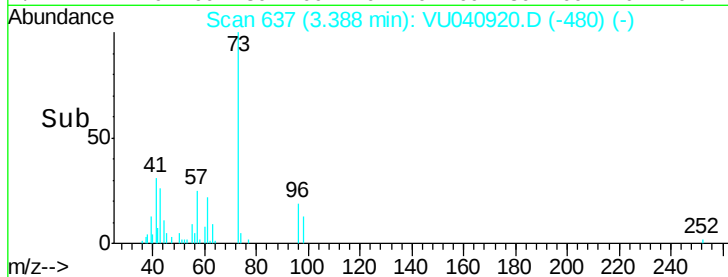
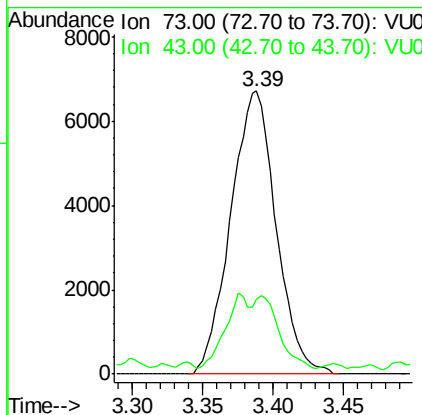
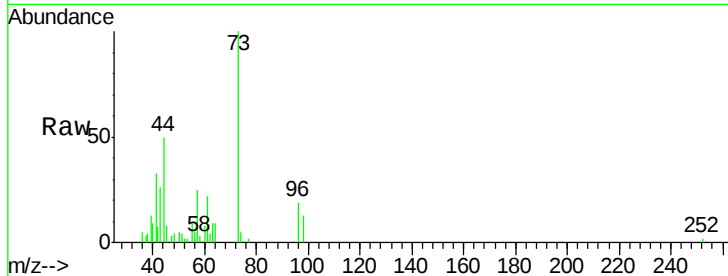
Methyl tert-Butyl Ether
 Concen: 0.340 ug/l
 RT: 3.39 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
73	100		
43	12.9	19.0	28.6#

Manual Integrations
 APPROVED

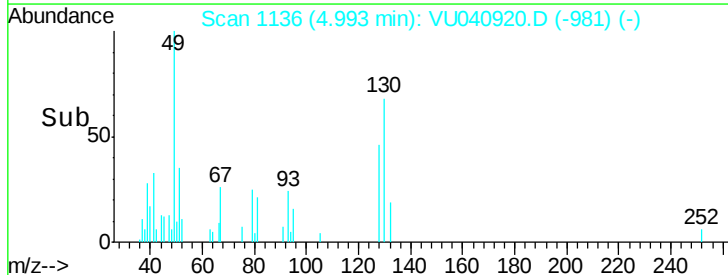
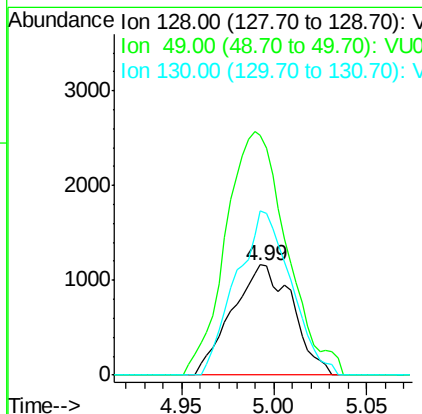
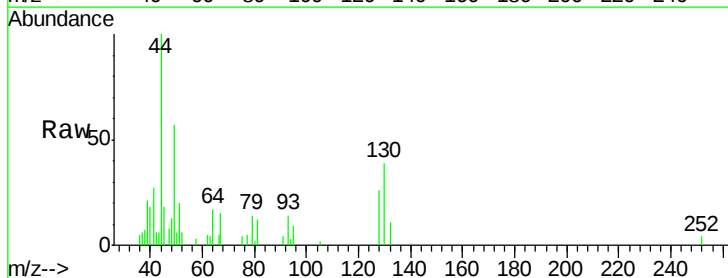
MMDadoda
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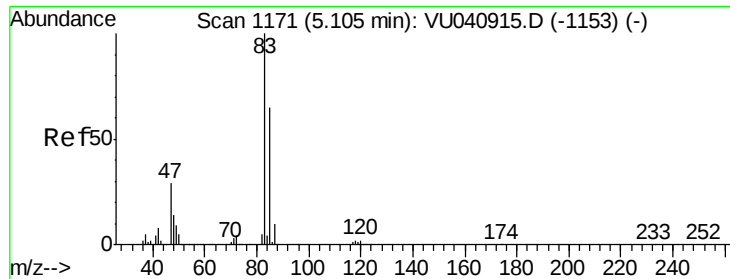


#26

Bromochloromethane
 Concen: 0.349 ug/l
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
128	100		
49	222.7	0.0	426.4
130	135.4	106.2	159.4





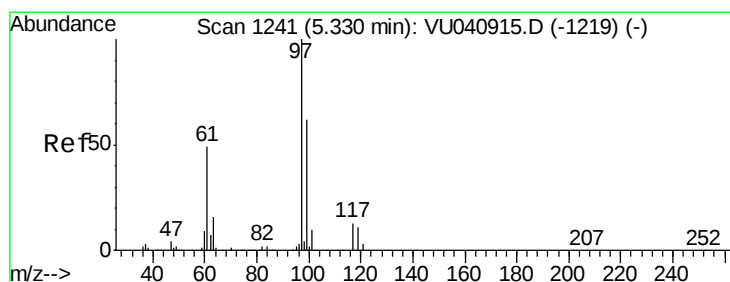
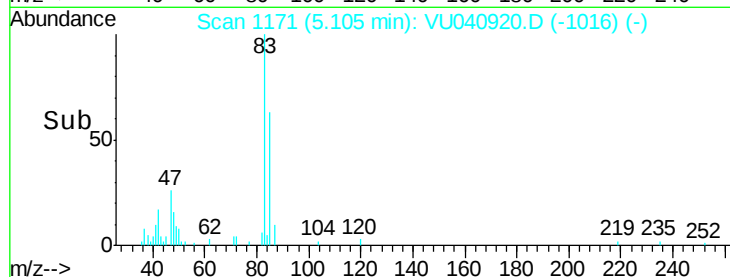
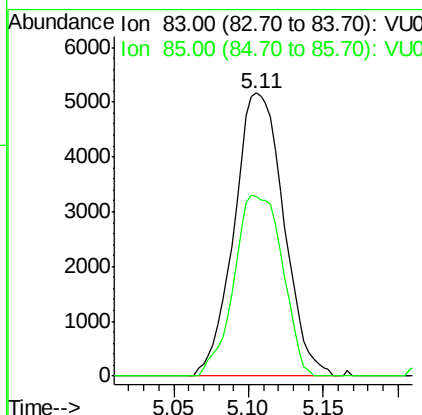
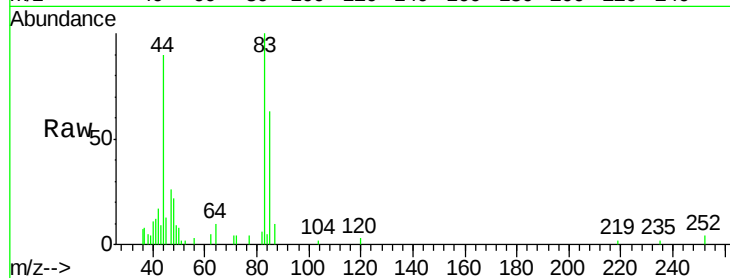
#27
Chloroform
Concen: 0.375 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	11899		
85	63.4	0.0	129.0	

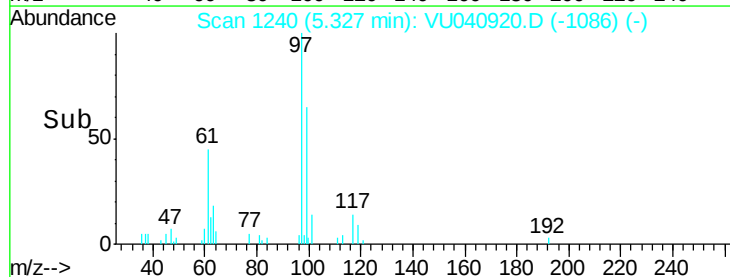
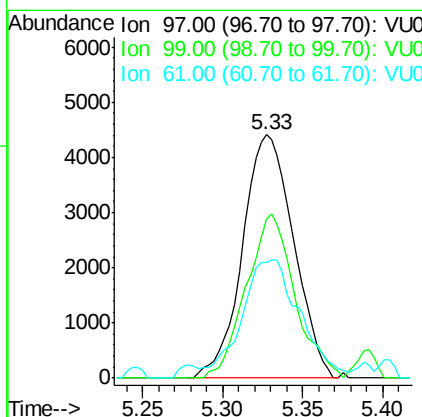
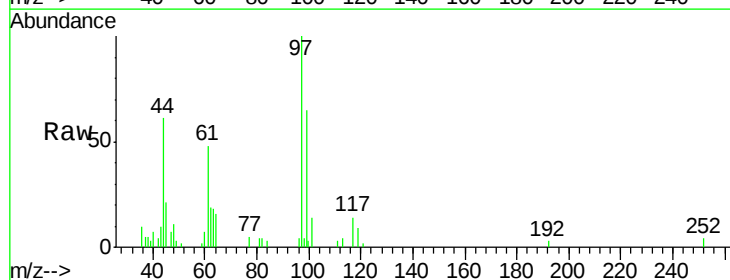
Manual Integrations
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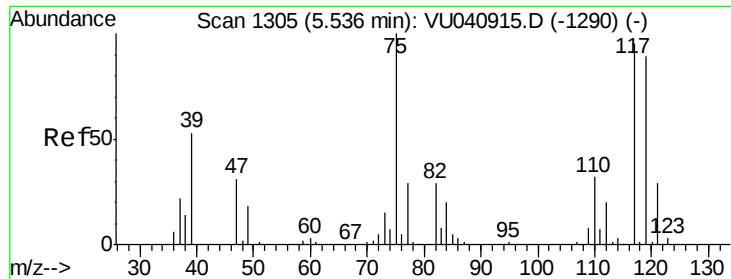
MMDadoda
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#28
1,1,1-Trichloroethane
Concen: 0.353 ug/l
RT: 5.33 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	9678		
99	64.3	31.4	94.3	
61	55.3	24.7	74.1	





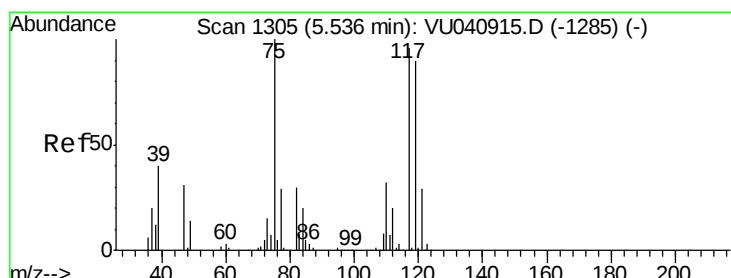
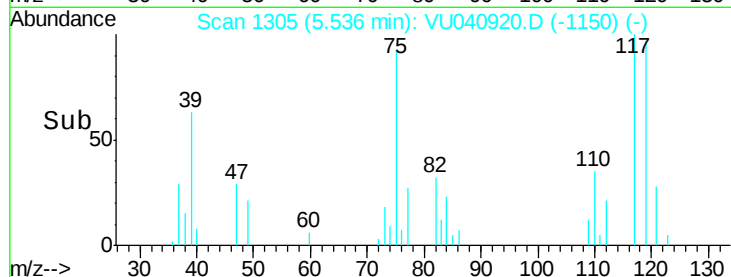
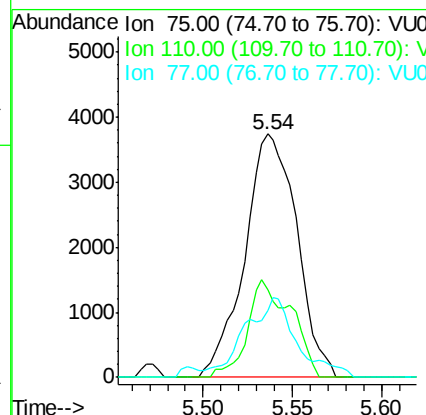
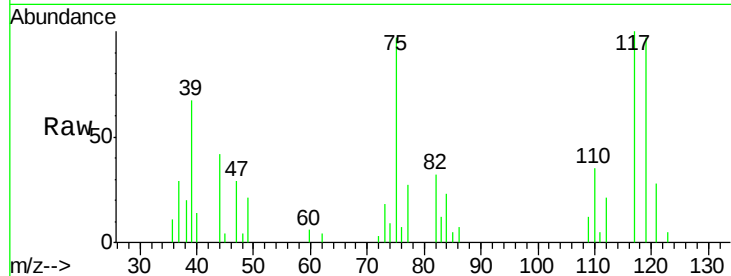
#29
 1,1-Dichloropropene
 Concen: 0.318 ug/l
 RT: 5.54 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.7	15.9	47.6
77	32.8	24.2	36.2

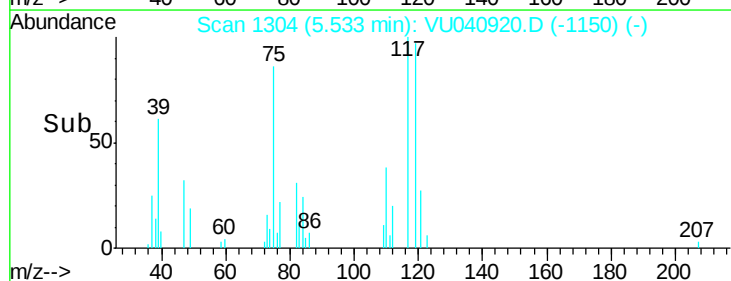
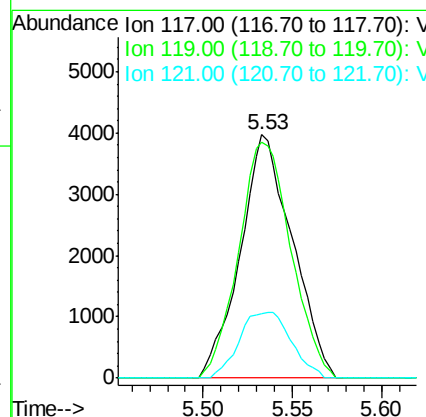
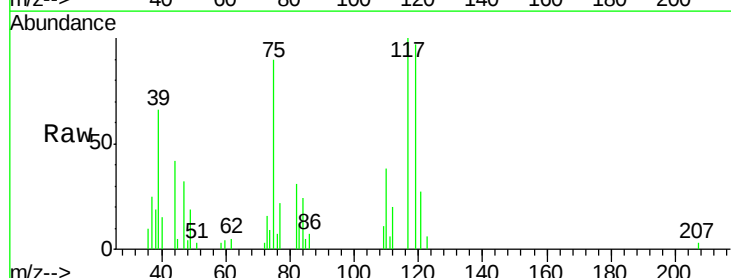
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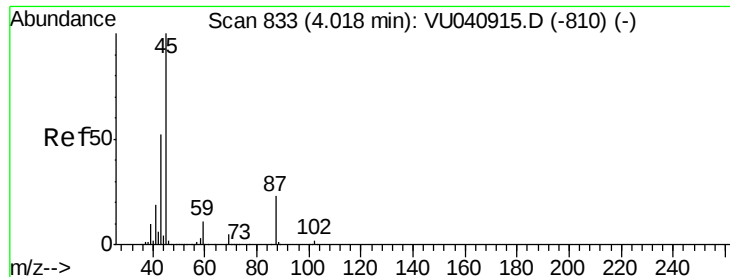
MMDadoda
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#30
 Carbon Tetrachloride
 Concen: 0.326 ug/l
 RT: 5.53 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	74.9	112.3
121	26.6	24.1	36.1





#31

Isopropyl Ether

Concen: 0.342 ug/l

RT: 4.02 min Scan# 835

Delta R.T. 0.01 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 45 Resp: 17576

Ion Ratio Lower Upper

45 100

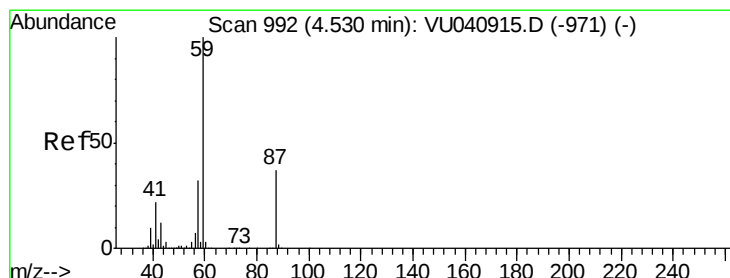
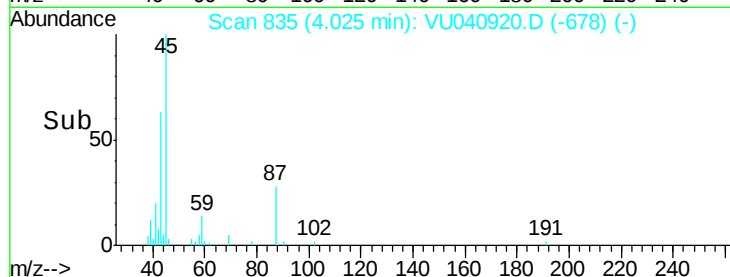
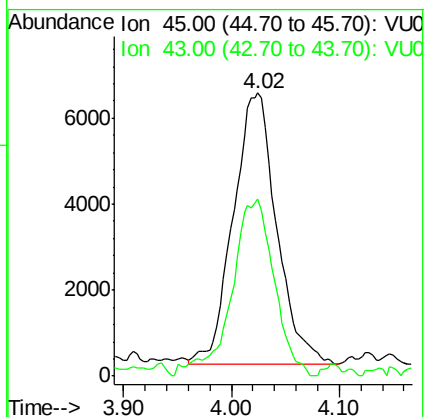
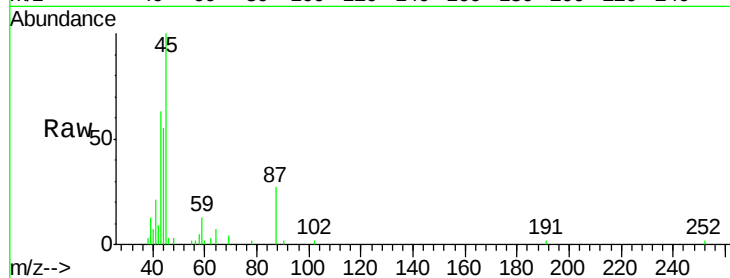
43 64.4 26.8 80.3

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 0.343 ug/l

RT: 4.53 min Scan# 991

Delta R.T. -0.00 min

Lab File: VU040920.D

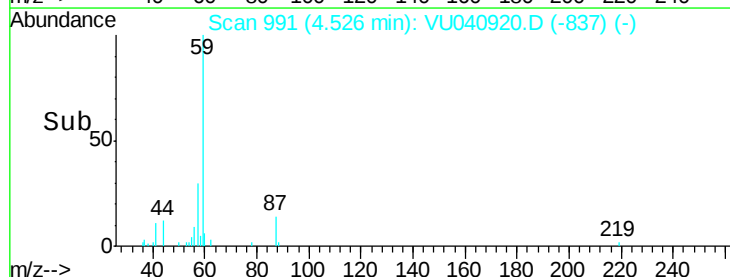
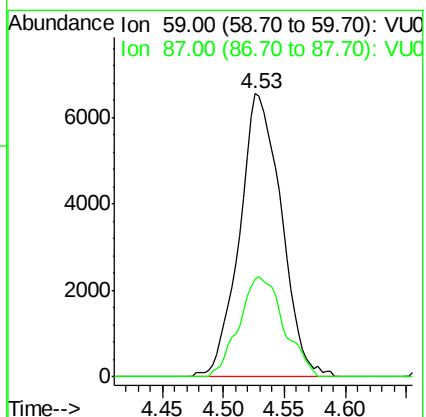
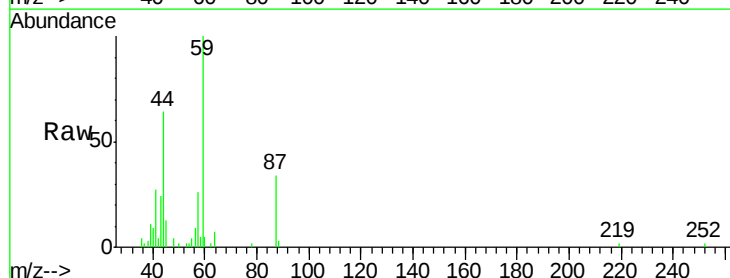
Acq: 22 Oct 2020 23:53

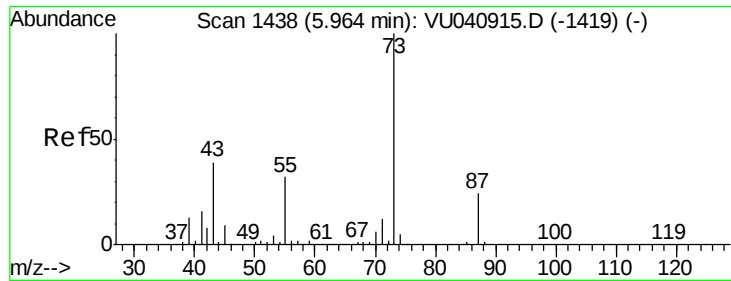
Tgt Ion: 59 Resp: 15541

Ion Ratio Lower Upper

59 100

87 37.8 30.6 46.0





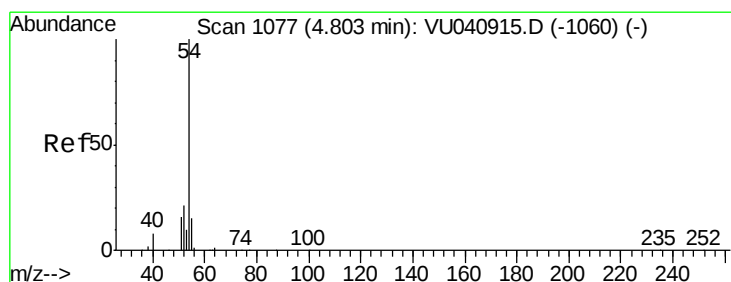
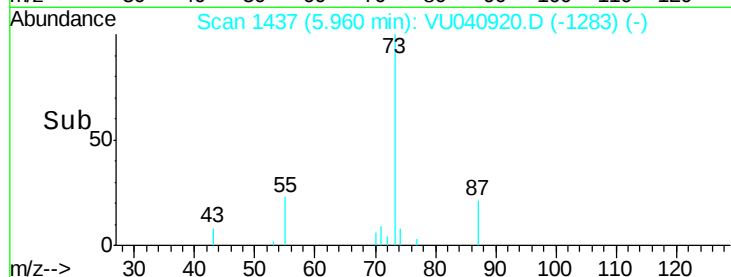
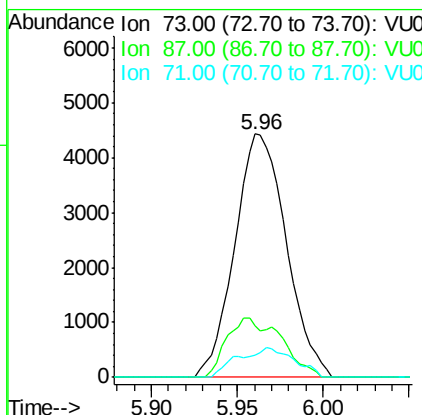
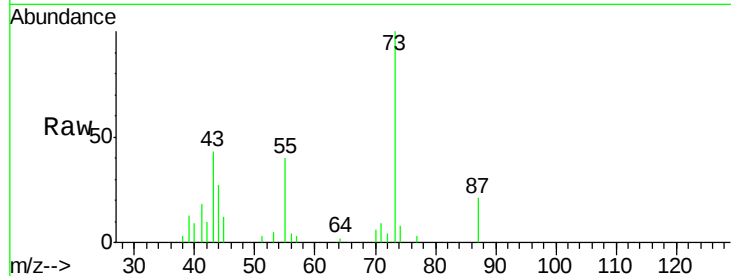
#33
Tert-Butyl methyl ether
Concen: 0.274 ug/l
RT: 5.96 min Scan# 1437
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
73	100		
87	26.0	19.0	28.4
71	13.3	9.7	14.5

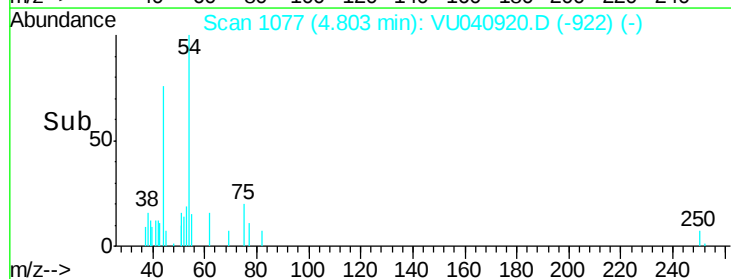
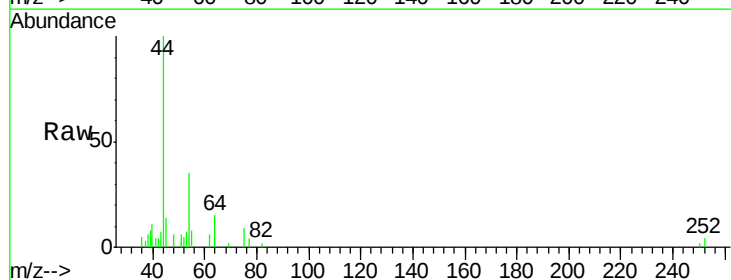
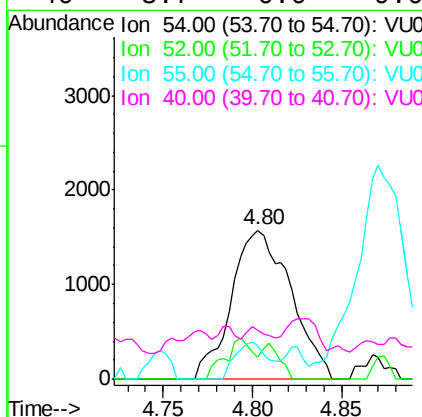
Manual Integrations
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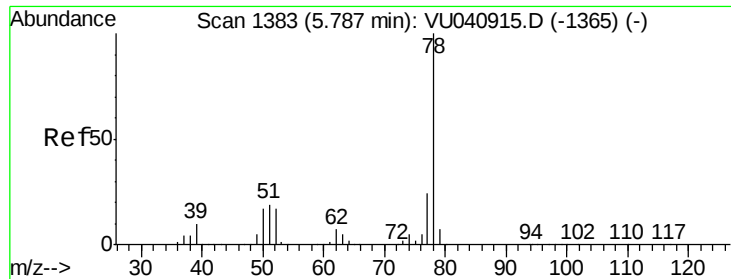
MMDadoda
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#34
Propionitrile
Concen: 1.940 ug/l
RT: 4.80 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
54	100		
52	7.0	15.5	23.3#
55	13.1	12.5	18.7
40	3.7	6.0	9.0#





#35

Benzene

Concen: 0.325 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 78 Resp: 21586

Ion Ratio Lower Upper

78 100

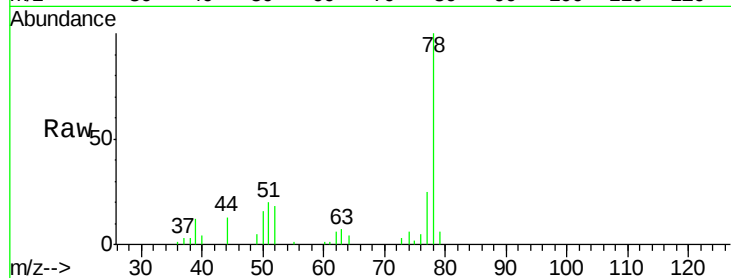
77 25.0 19.4 29.2

Manual Integrations

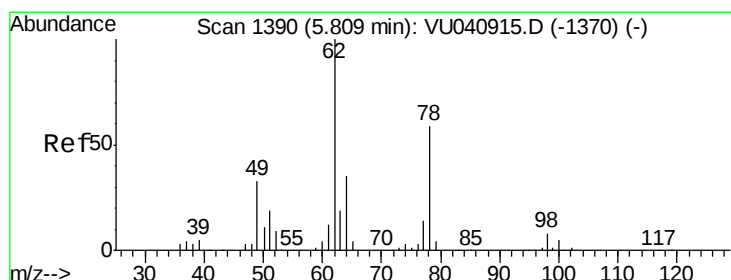
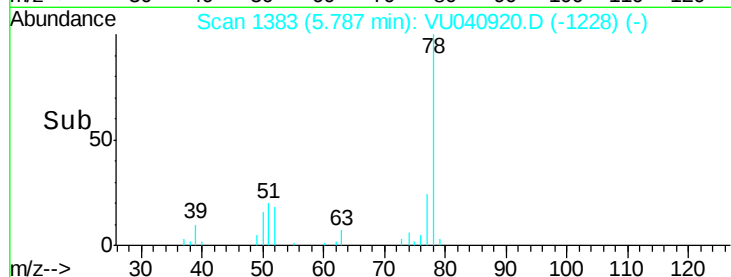
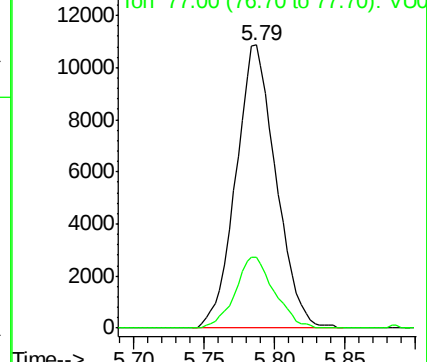
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Abundance Ion 78.10 (77.80 to 78.80): VU040920.D (-1228) (-)



#36

1,2-Dichloroethane

Concen: 0.338 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040920.D

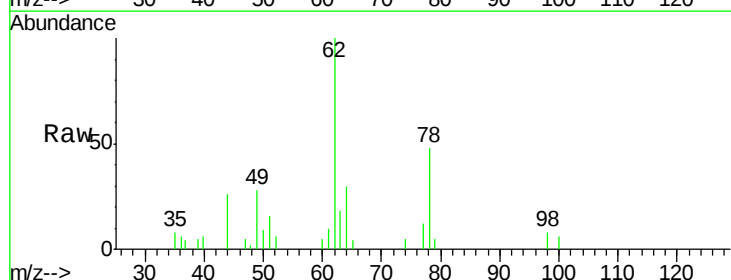
Acq: 22 Oct 2020 23:53

Tgt Ion: 62 Resp: 8334

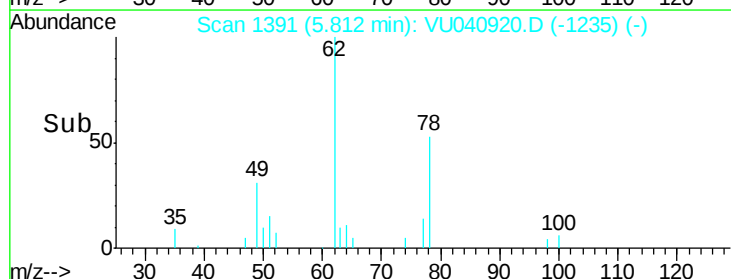
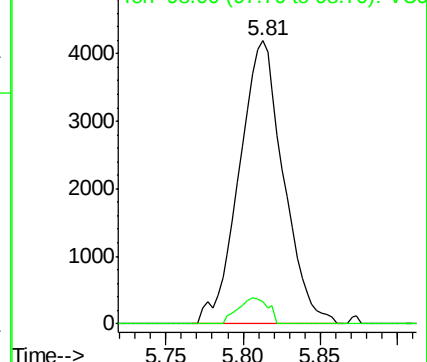
Ion Ratio Lower Upper

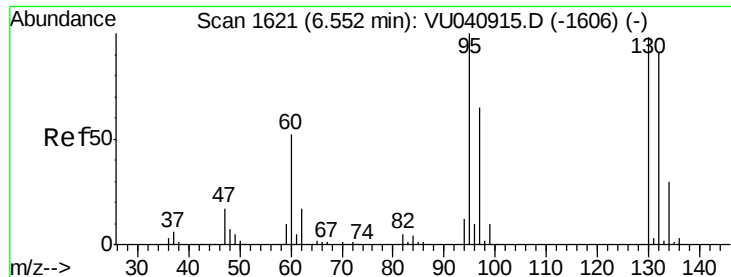
62 100

98 6.3 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VU040920.D (-1235) (-)





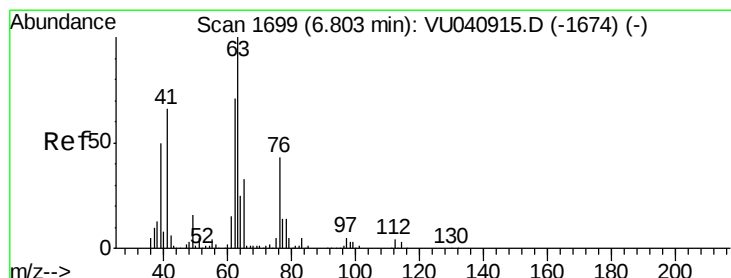
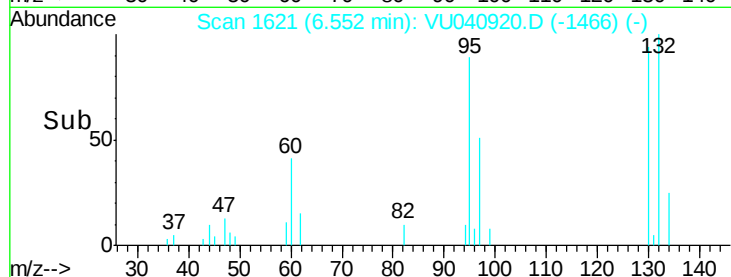
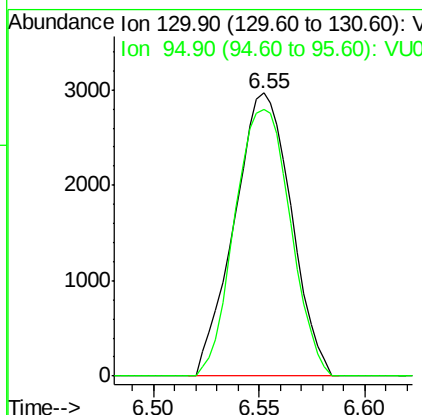
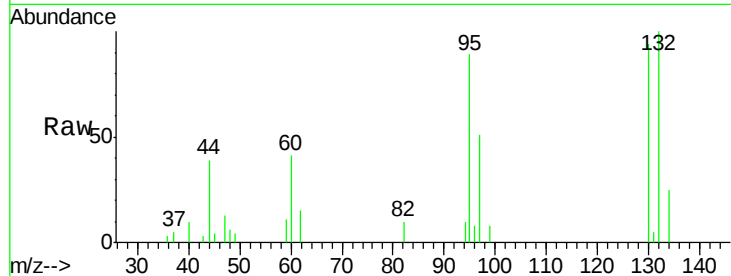
#37
 Trichloroethene
 Concen: 0.354 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion:130 Resp: 5568
 Ion Ratio Lower Upper
 130 100
 95 94.1 81.9 122.9

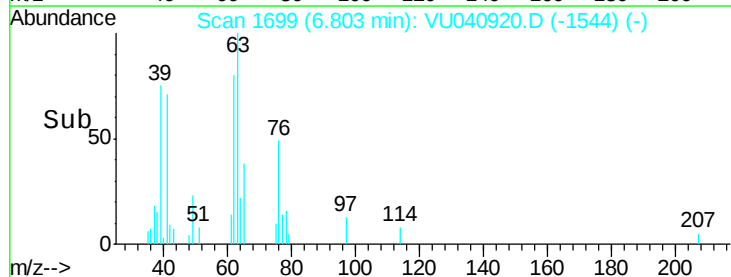
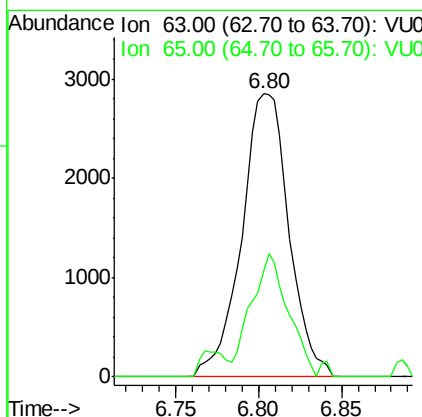
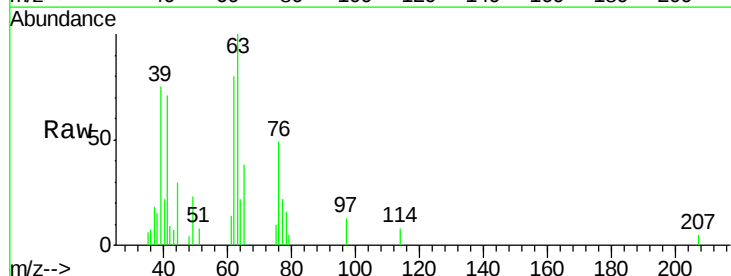
Manual Integrations
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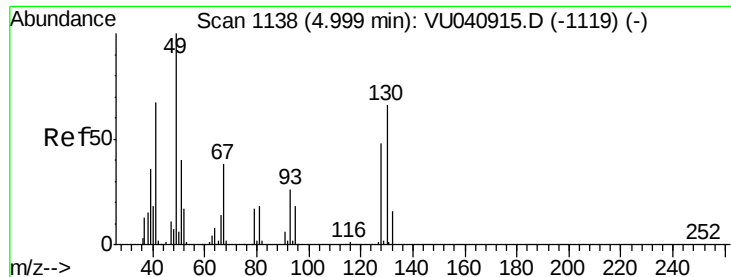
MMDadoda
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#38
 1,2-Dichloropropane
 Concen: 0.299 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Tgt Ion: 63 Resp: 5640
 Ion Ratio Lower Upper
 63 100
 65 37.5 26.2 39.2





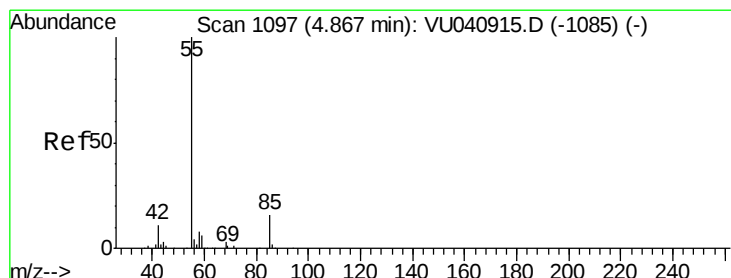
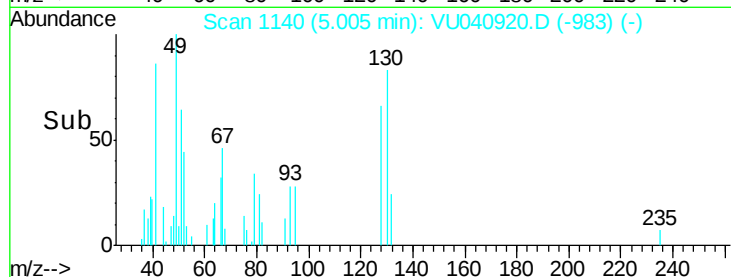
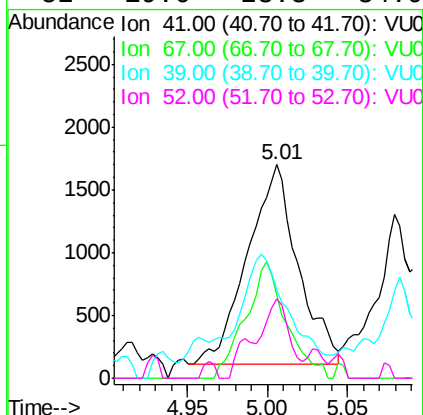
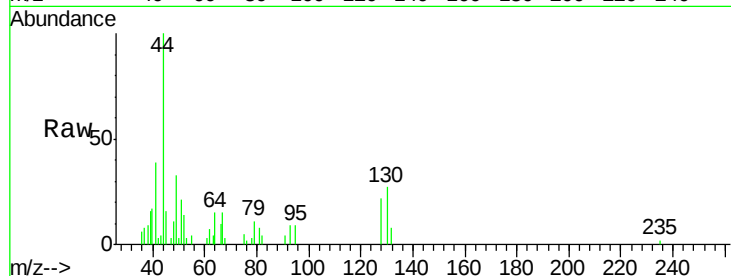
#39
Methacrylonitrile
Concen: 0.392 ug/l
RT: 5.01 min Scan# 1140
Delta R.T. 0.01 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
41	100		
67	46.8	48.7	73.1#
39	47.5	44.6	67.0
52	19.6	23.3	34.9#

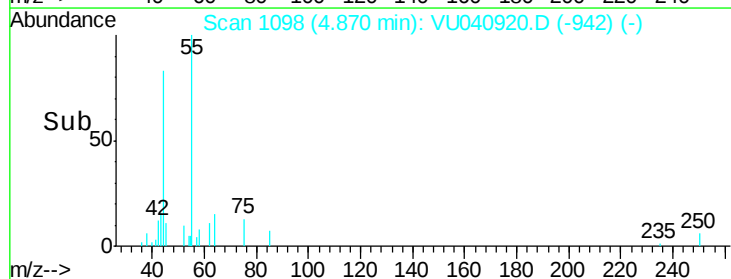
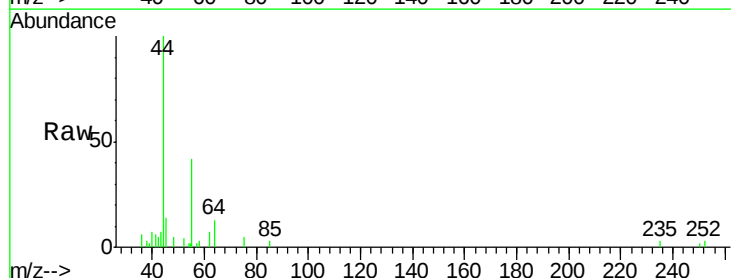
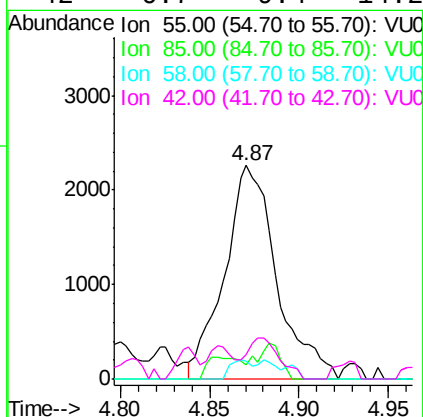
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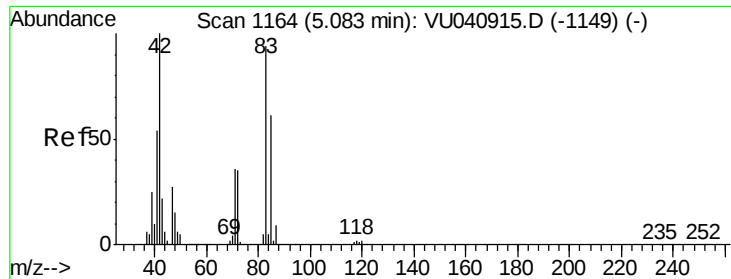
MMDadoda
10/26/2020 4:15:26 PM



#40
Methyl acrylate
Concen: 0.379 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
55	100		
85	6.8	12.2	18.2#
58	3.5	6.8	10.2#
42	6.7	9.4	14.2#





#41

Tetrahydrofuran

Concen: 0.949 ug/l

RT: 5.08 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

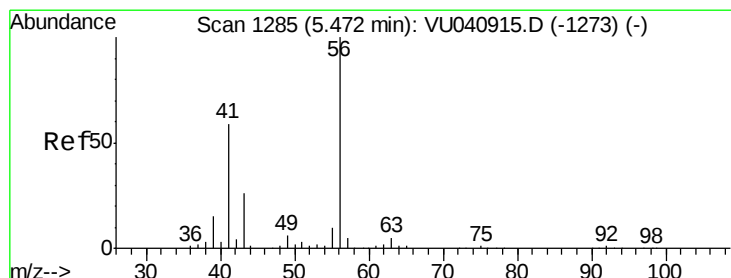
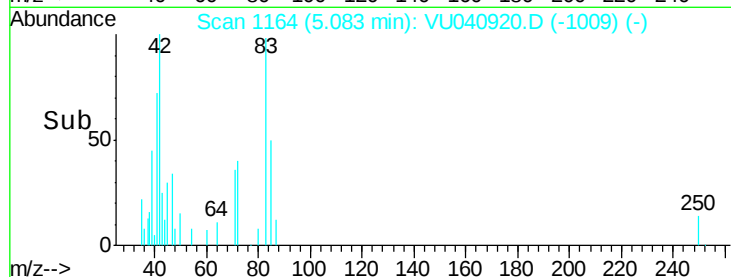
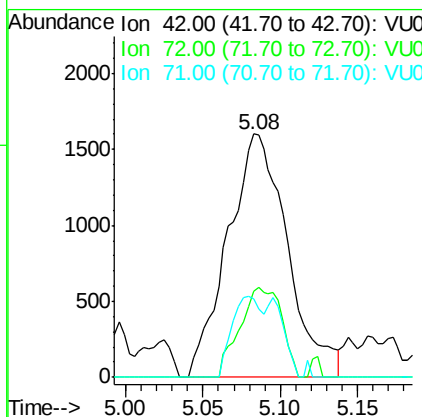
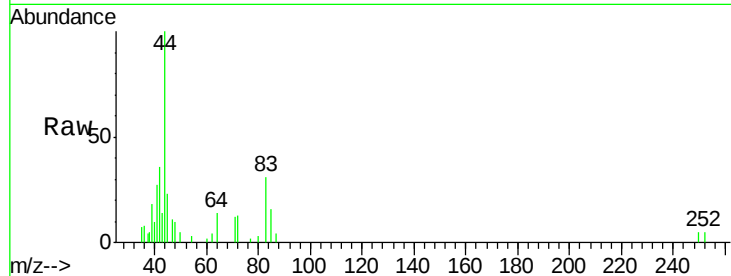
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	42	Resp:	4307
Ion	Ratio	Lower	Upper
42	100		
72	25.8	30.1	45.1#
71	16.4	27.9	41.9#

Manual Integrations
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#42

1-Chlorobutane

Concen: 0.353 ug/l

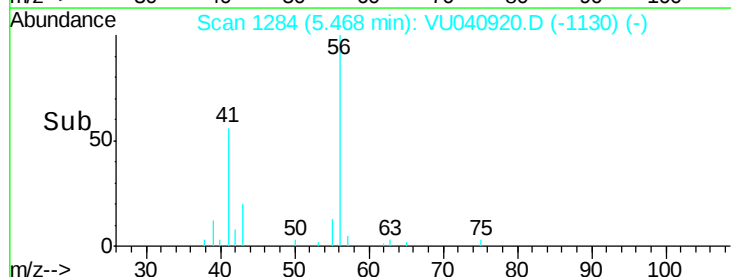
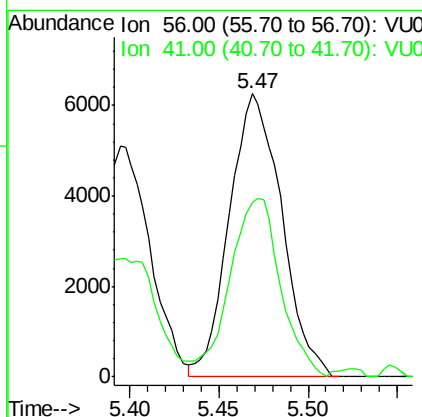
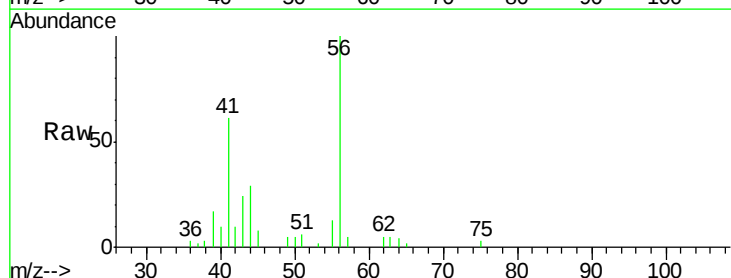
RT: 5.47 min Scan# 1284

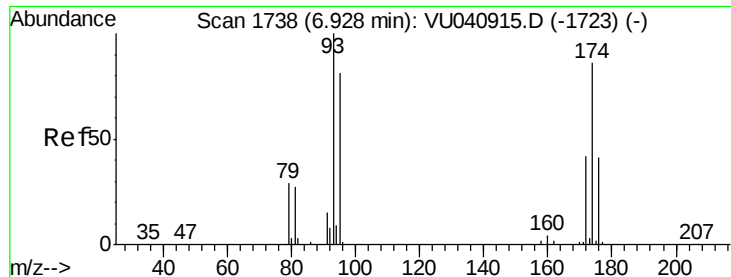
Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Tgt Ion:	56	Resp:	12792
Ion	Ratio	Lower	Upper
56	100		
41	61.3	29.6	88.8





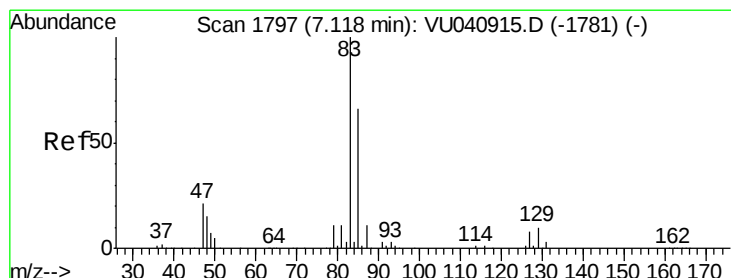
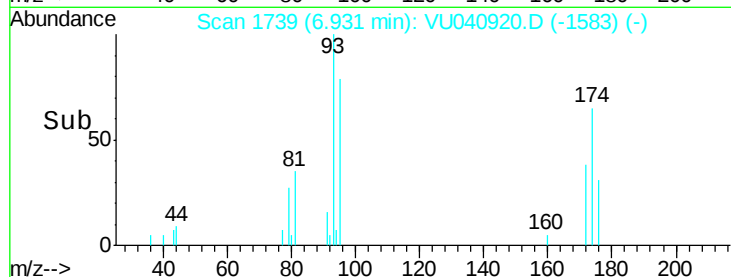
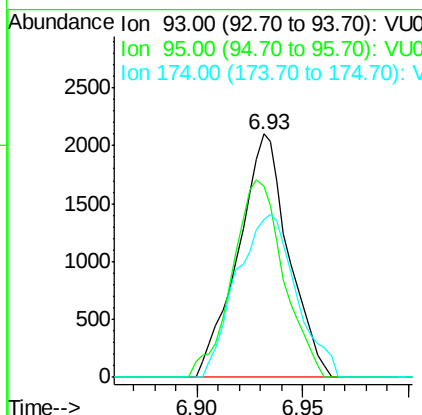
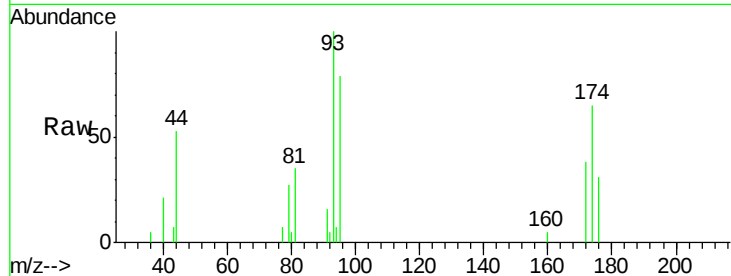
#43
Dibromomethane
Concen: 0.329 ug/l
RT: 6.93 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 93 Resp: 3480
Ion Ratio Lower Upper
93 100
95 82.5 66.3 99.5
174 79.2 70.4 105.6

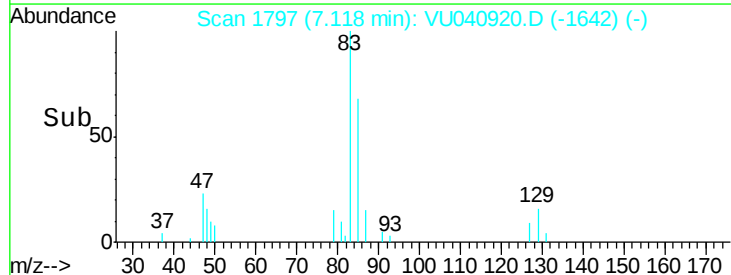
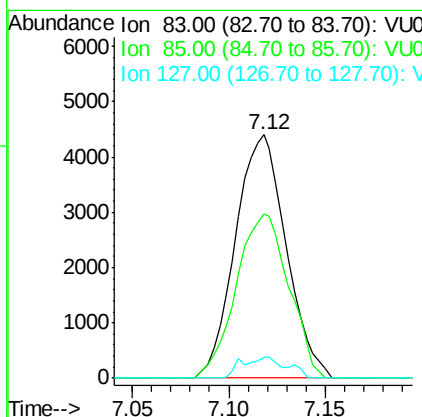
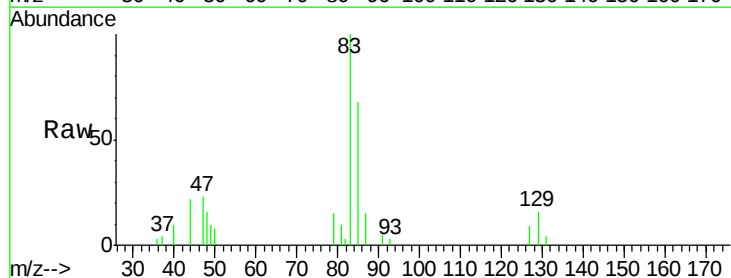
Manual Integrations
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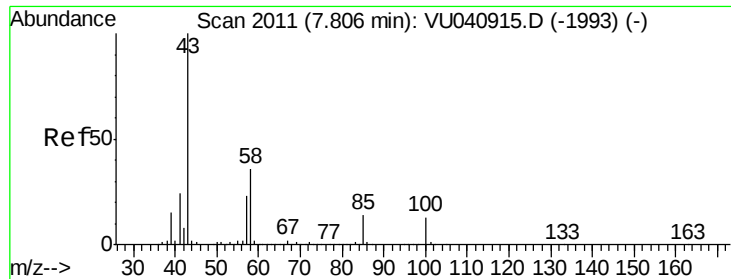
MMDadoda
10/26/2020 4:15:26 PM



#44
Bromodichloromethane
Concen: 0.326 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion: 83 Resp: 7999
Ion Ratio Lower Upper
83 100
85 67.6 52.6 78.8
127 8.5 6.4 9.6





#45

4-Methyl-2-Pentanone

Concen: 1.313 ug/l

RT: 7.81 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

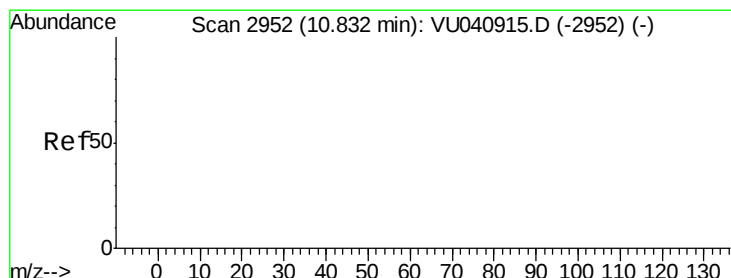
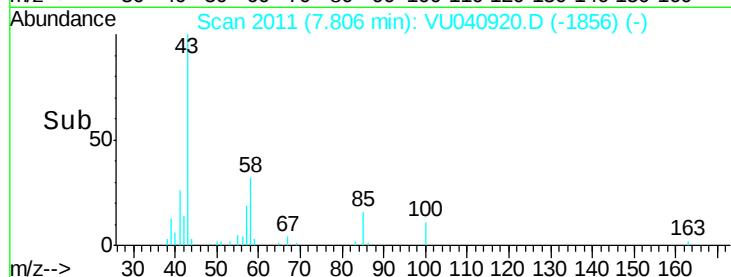
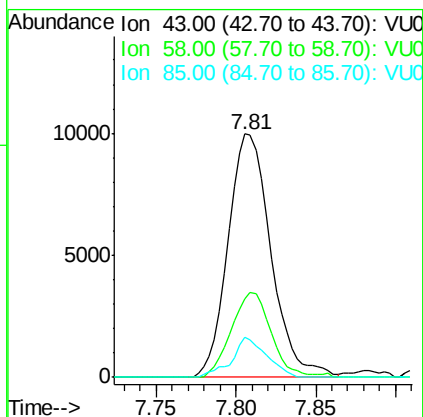
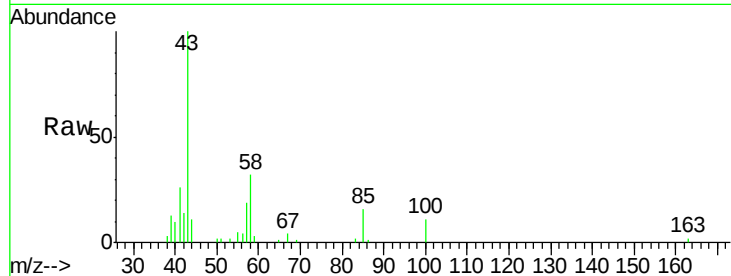
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	43	Resp:	18228
Ion Ratio		Lower	Upper
43	100		
58	32.1	17.8	53.5
85	13.3	11.4	17.2

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#46

t-1,4-Dichloro-2-butene

Concen: 0.763 ug/l m

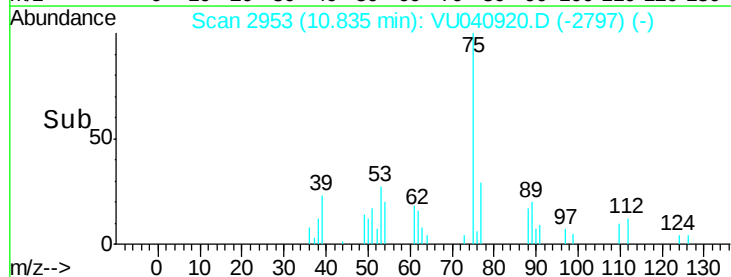
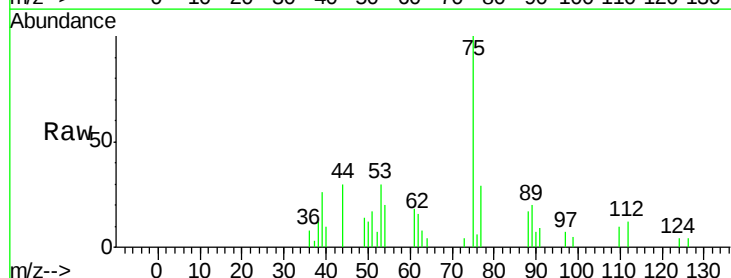
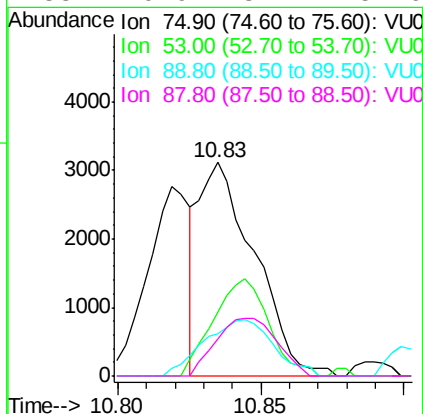
RT: 10.83 min Scan# 2953

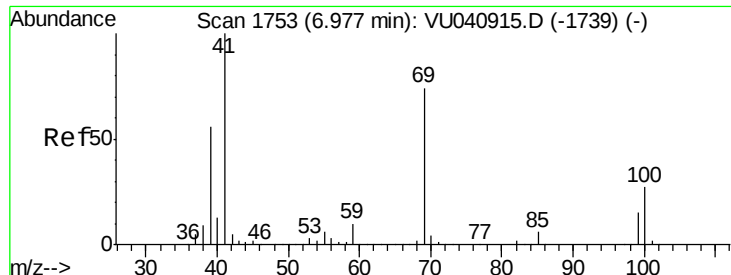
Delta R.T. 0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Tgt Ion:	75	Resp:	4187
Ion Ratio		Lower	Upper
75	100		
53	45.7	73.0	109.4#
89	33.0	41.7	62.5#
88	29.9	34.4	51.6#





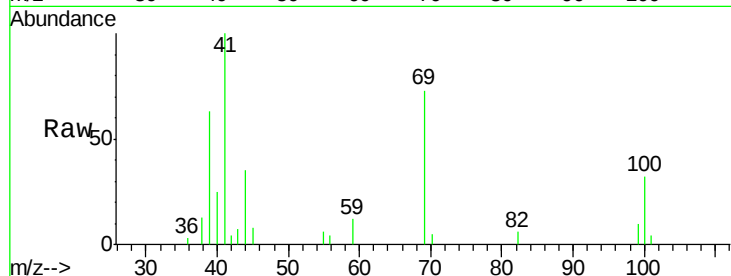
#47
Methyl methacrylate
Concen: 0.497 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
69	100		
41	131.5	0.0	270.2
39	87.9	61.6	92.4
100	33.9	29.0	43.6

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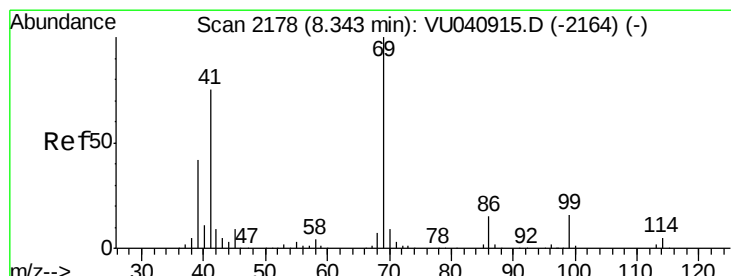
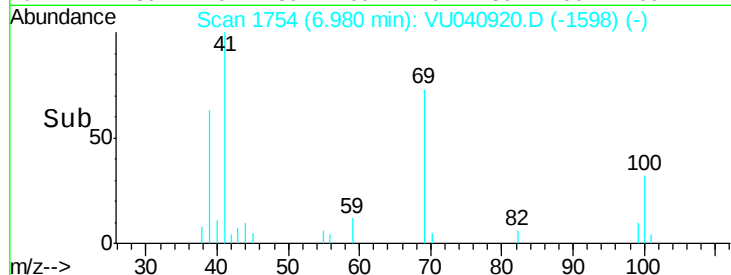
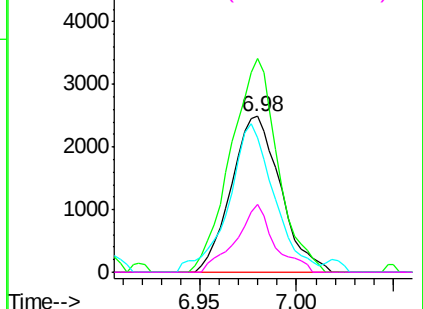
Abundance

Ion 69.00 (68.70 to 69.70): VU040920.D (-1598) (-)

Ion 41.00 (40.70 to 41.70): VU040920.D (-1598) (-)

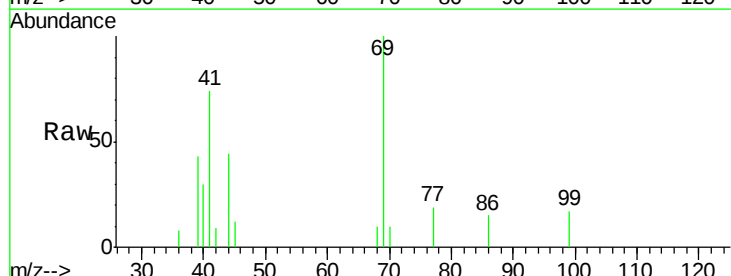
Ion 39.00 (38.70 to 39.70): VU040920.D (-1598) (-)

Ion 100.00 (99.70 to 100.70): VU040920.D (-1598) (-)



#48
Ethyl methacrylate
Concen: 0.227 ug/l
RT: 8.35 min Scan# 2179
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

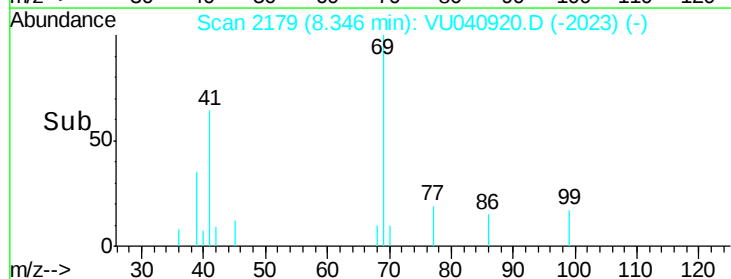
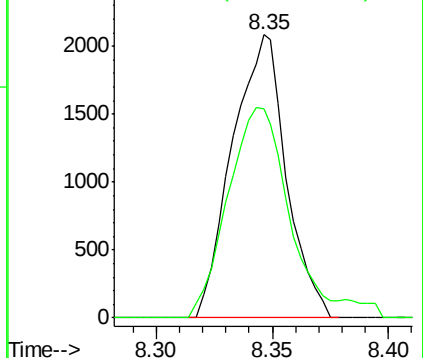
Tgt Ion	Ratio	Lower	Upper
69	100		
41	86.7	37.6	112.9

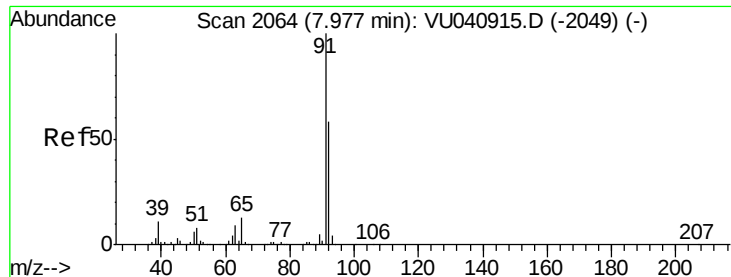


Abundance

Ion 69.00 (68.70 to 69.70): VU040920.D (-2023) (-)

Ion 41.00 (40.70 to 41.70): VU040920.D (-2023) (-)





#49

Toluene

Concen: 0.248 ug/l

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 92 Resp: 9060

Ion Ratio Lower Upper

92 100

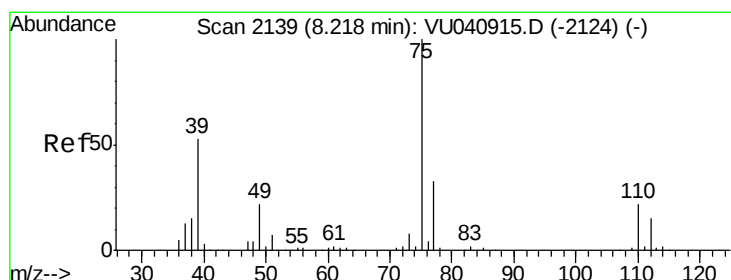
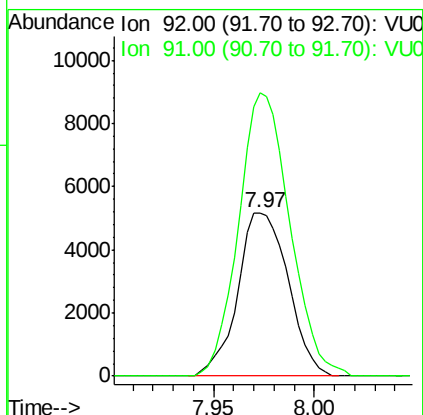
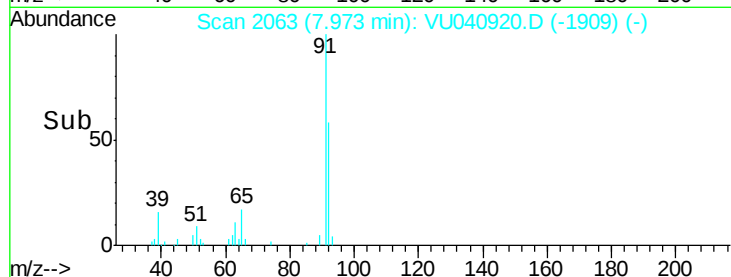
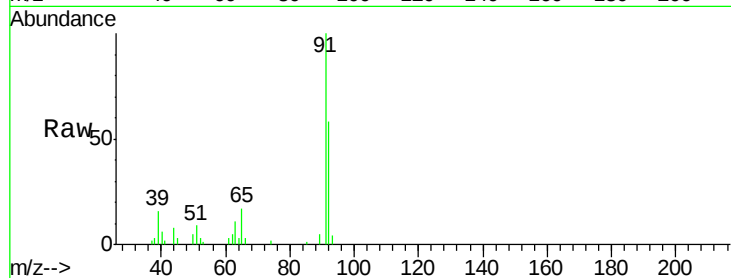
91 175.7 136.8 205.2

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#50

t-1,3-Dichloropropene

Concen: 0.290 ug/l

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040920.D

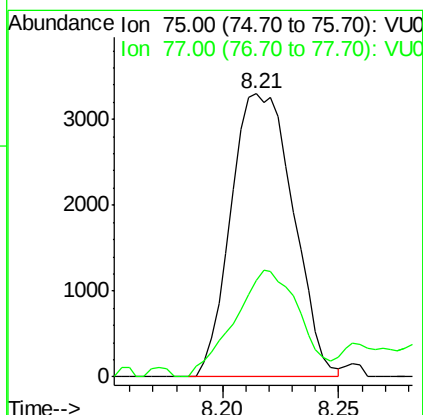
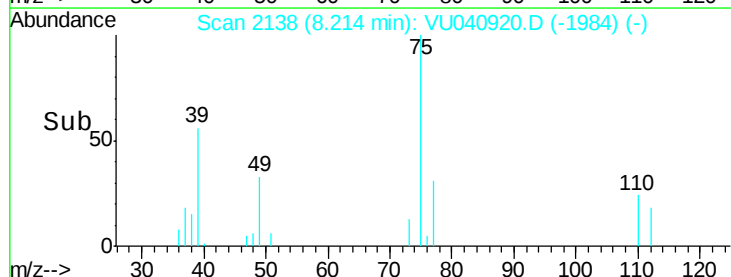
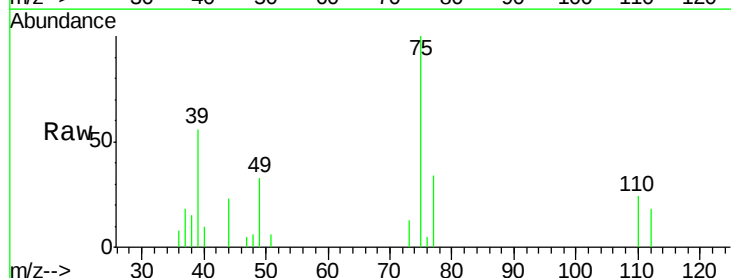
Acq: 22 Oct 2020 23:53

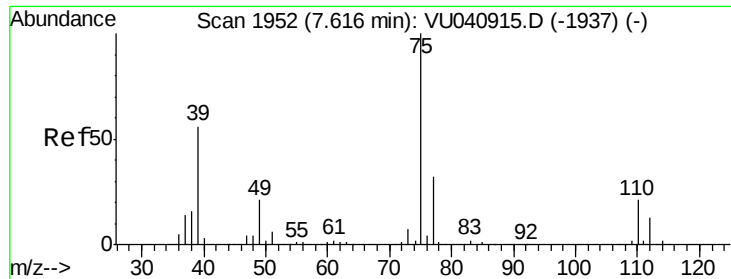
Tgt Ion: 75 Resp: 6144

Ion Ratio Lower Upper

75 100

77 34.2 26.2 39.4





#51

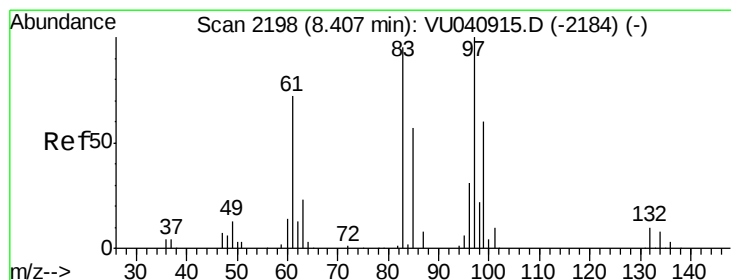
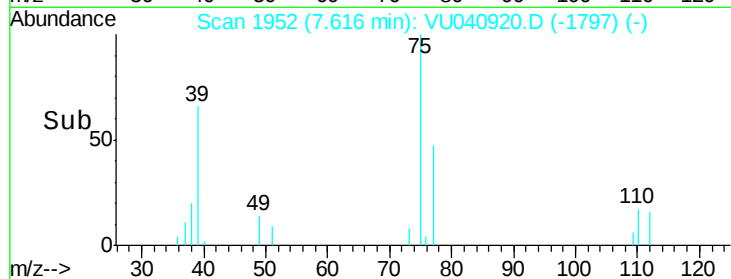
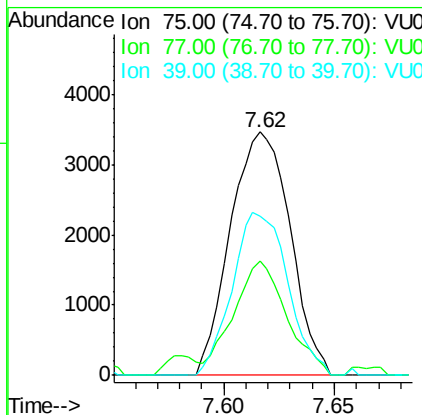
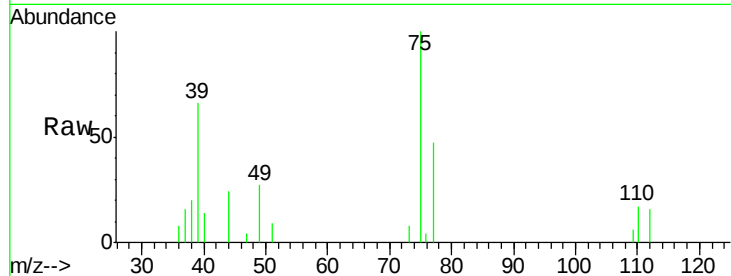
cis-1,3-Dichloropropene
Concen: 0.279 ug/l
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
77	47.0	25.4	38.0#
39	65.5	44.7	67.1

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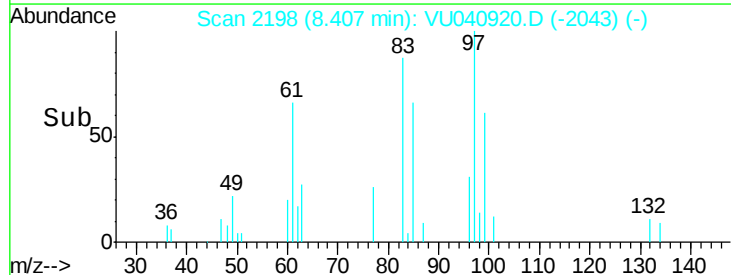
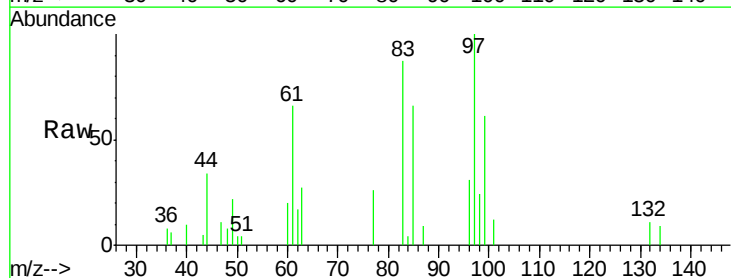
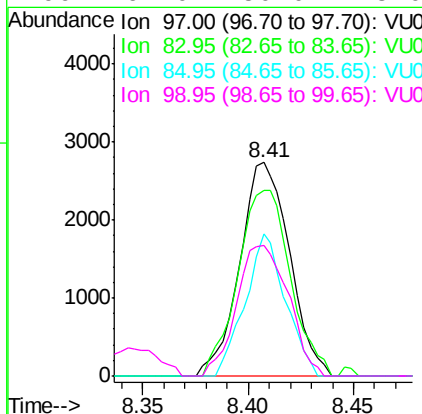
MMDadoda
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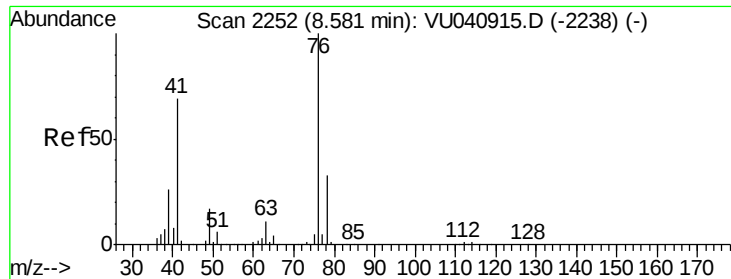


#52

1,1,2-Trichloroethane
Concen: 0.336 ug/l
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.0	75.9	113.9
85	66.4	46.1	69.1
99	61.0	50.0	75.0





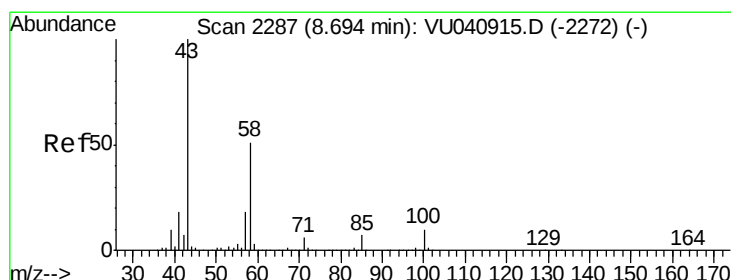
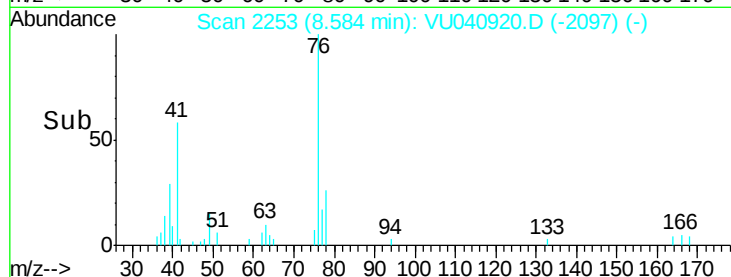
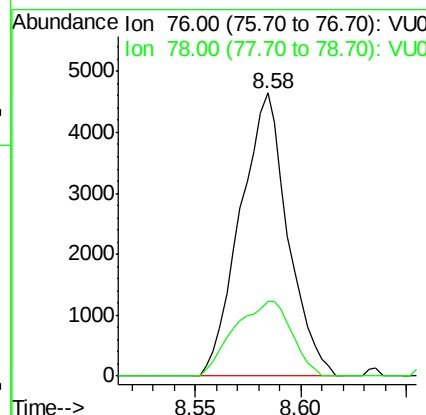
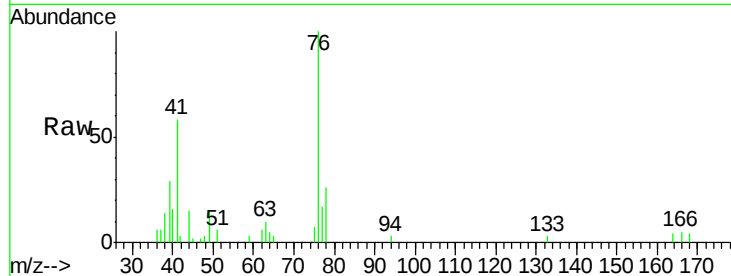
#53
 1,3-Dichloropropane
 Concen: 0.303 ug/l
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.6	39.8

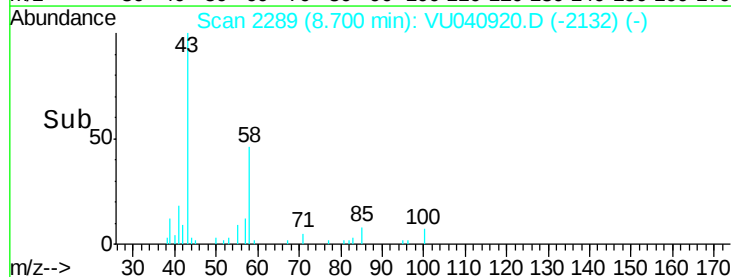
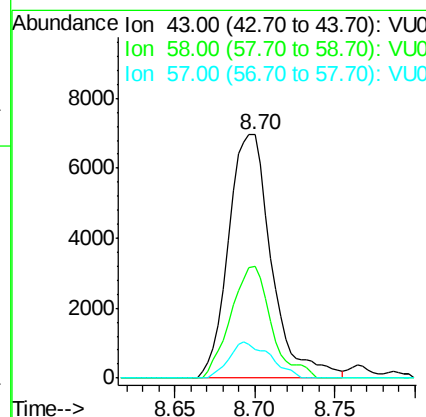
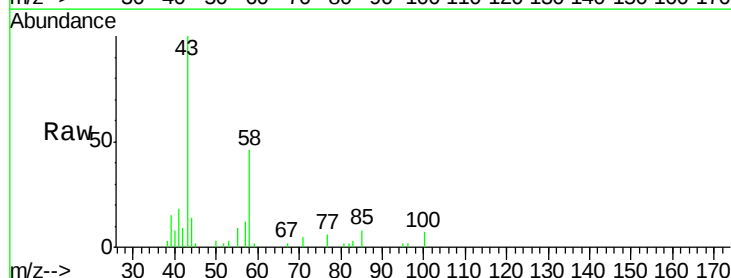
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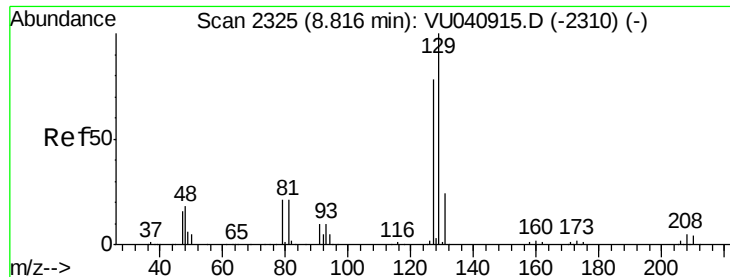
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#54
 2-Hexanone
 Concen: 1.315 ug/l
 RT: 8.70 min Scan# 2289
 Delta R.T. 0.01 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.0	30.2	70.2
57	14.0	0.0	37.4





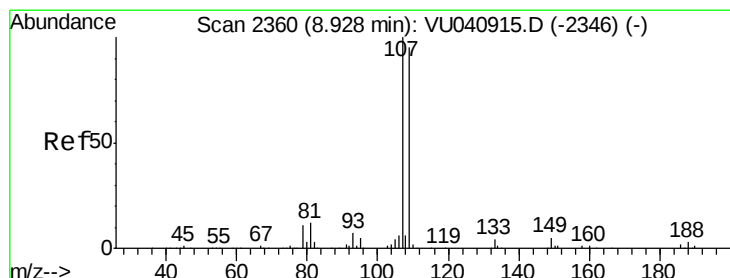
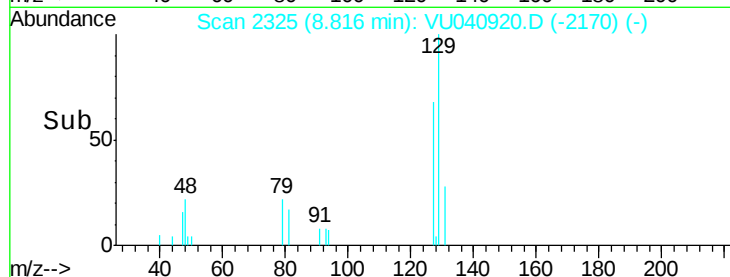
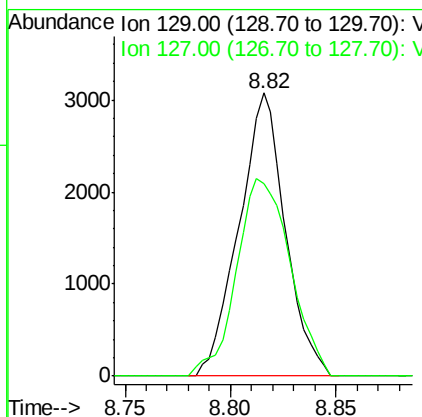
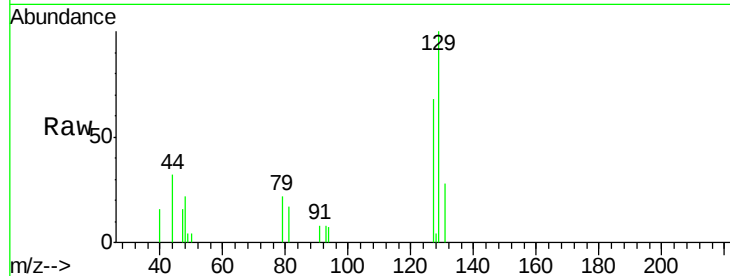
#55
Dibromochloromethane
Concen: 0.292 ug/l
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:129 Resp: 4688
Ion Ratio Lower Upper
129 100
127 80.9 63.1 94.7

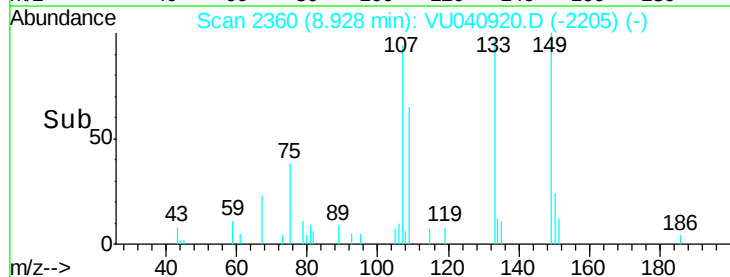
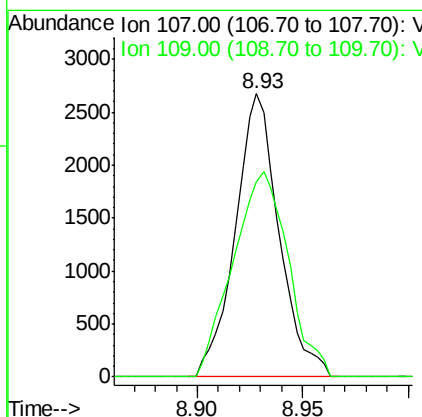
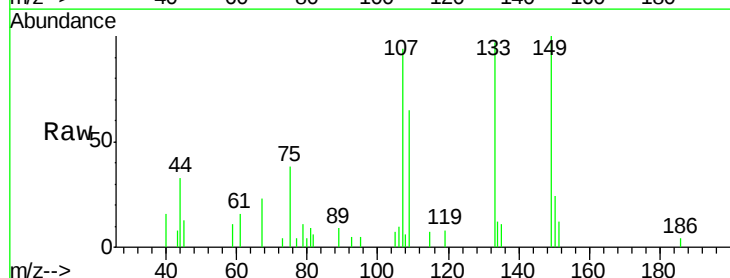
Manual Integrations
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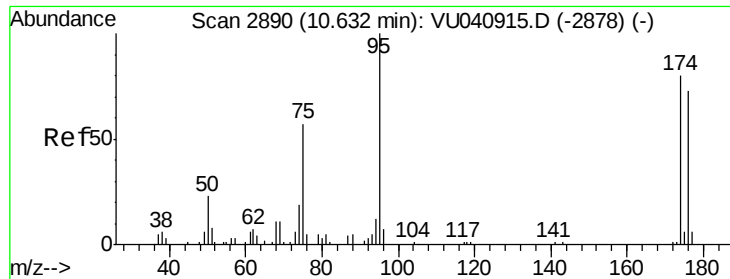
MMDadoda
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#56
1,2-Dibromoethane
Concen: 0.311 ug/l
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion:107 Resp: 3850
Ion Ratio Lower Upper
107 100
109 91.5 0.0 190.4





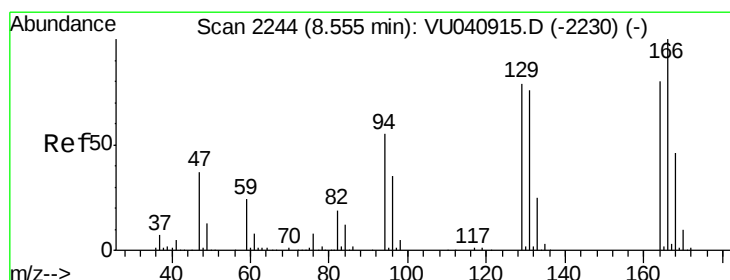
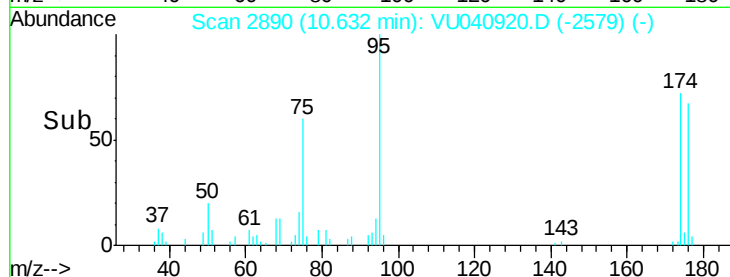
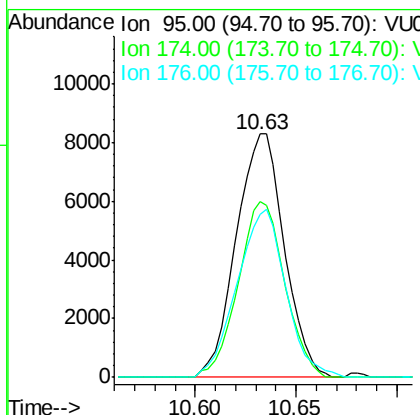
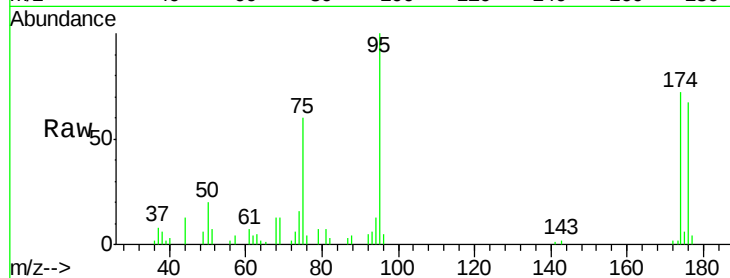
#57
4-Bromofluorobenzene
Concen: 0.730 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
95	100	13820		
174	69.7	60.3	90.5	
176	69.9	55.6	83.4	

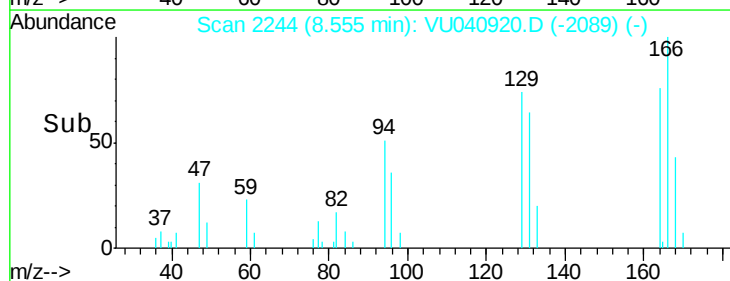
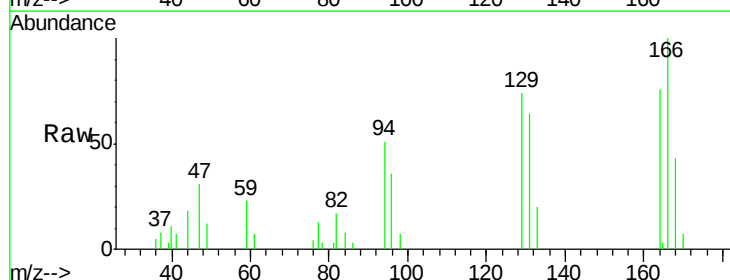
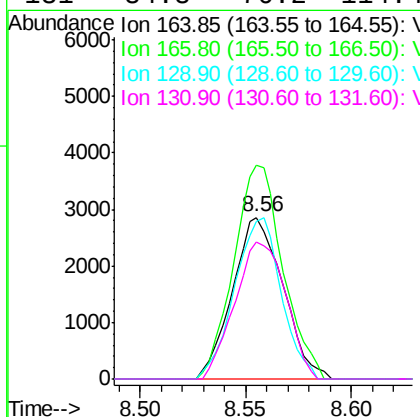
Manual Integrations
APPROVED

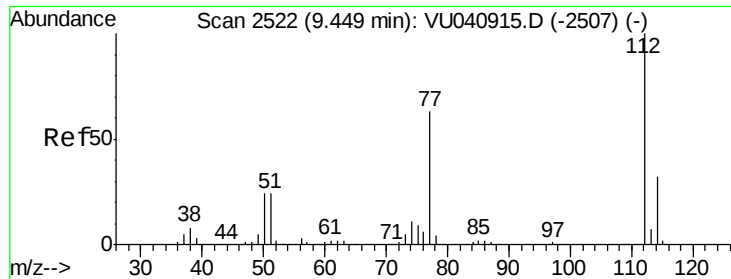
MMDadoda
10/26/2020 4:15:26 PM



#58
Tetrachloroethene
Concen: 0.324 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	4763		
166	132.0	100.3	150.5	
129	97.5	79.4	119.0	
131	84.8	76.2	114.4	





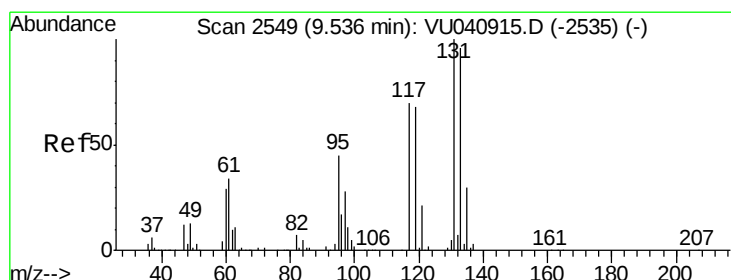
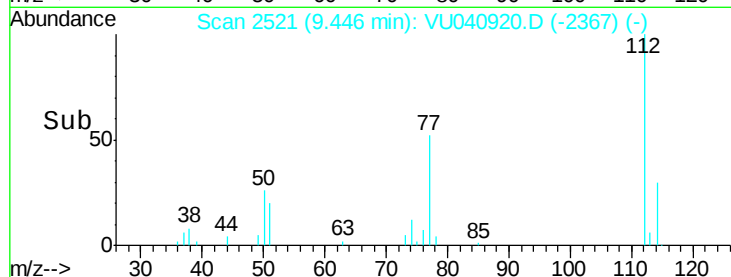
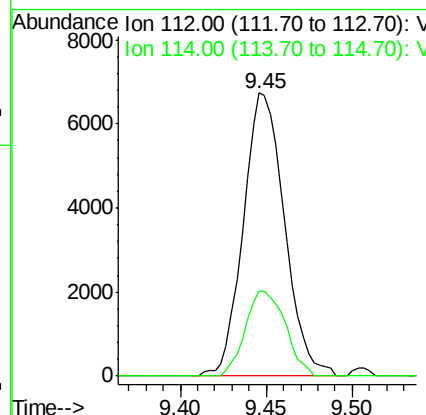
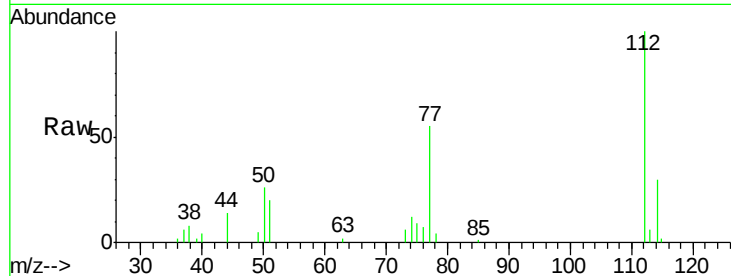
#59
Chlorobenzene
Concen: 0.289 ug/l
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.8	25.8	38.8

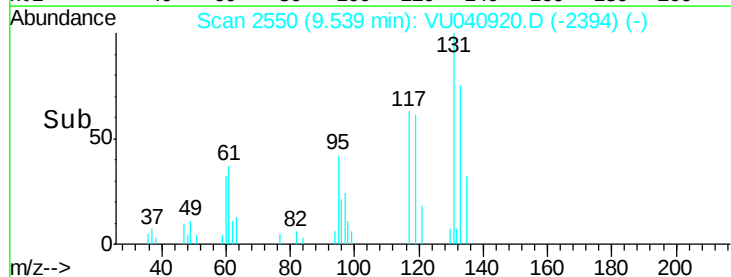
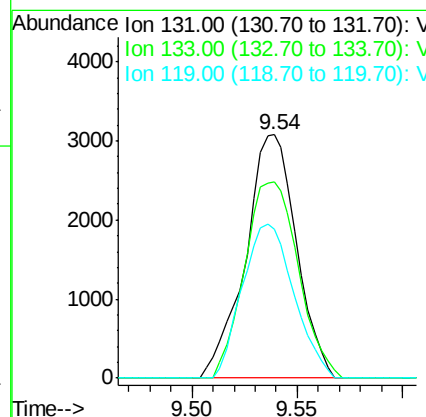
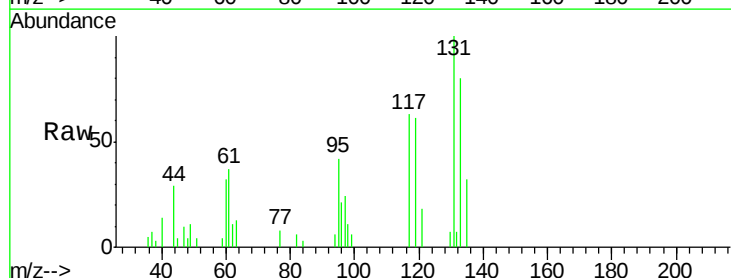
Manual Integrations
APPROVED

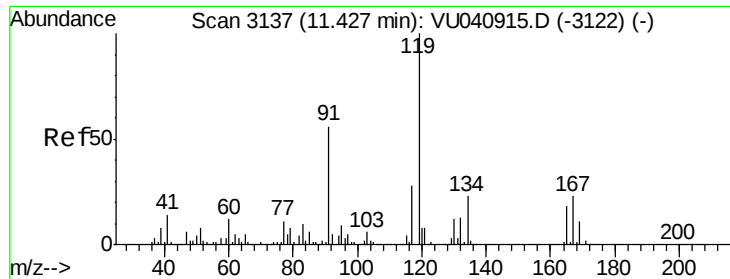
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 0.340 ug/l
RT: 9.54 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	85.0	77.4	116.0
119	63.9	53.5	80.3





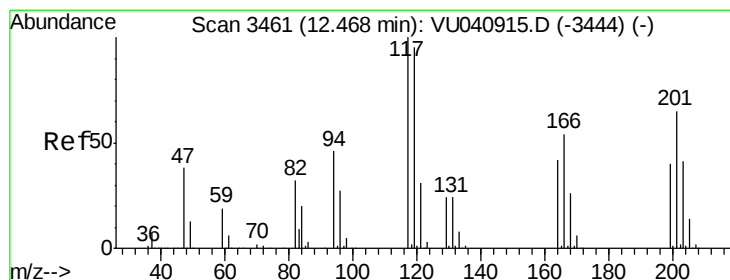
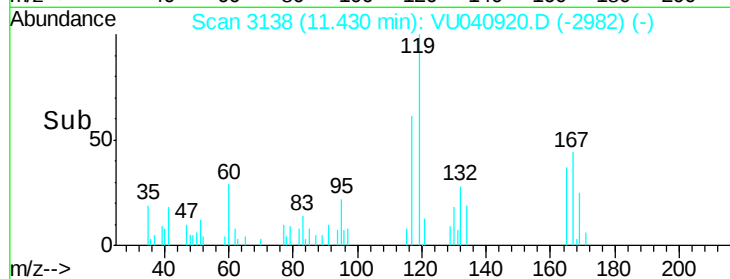
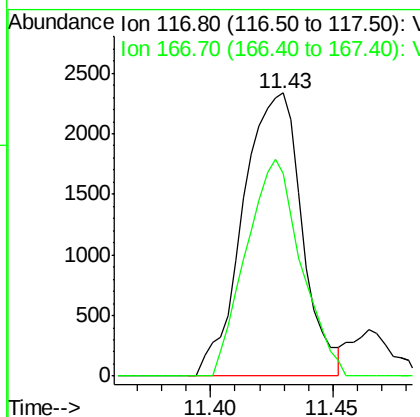
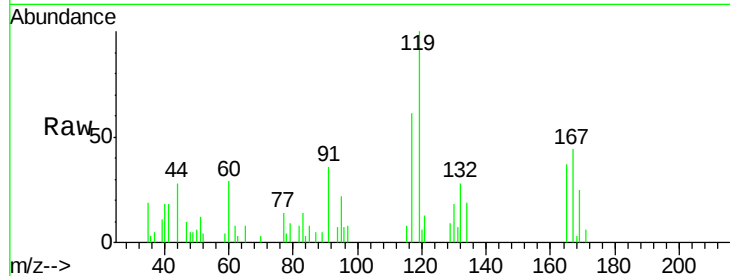
#61
 Pentachloroethane
 Concen: 0.319 ug/l
 RT: 11.43 min Scan# 3138
 Delta R.T. 0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion:117 Resp: 3922
 Ion Ratio Lower Upper
 117 100
 167 71.1 59.4 89.2

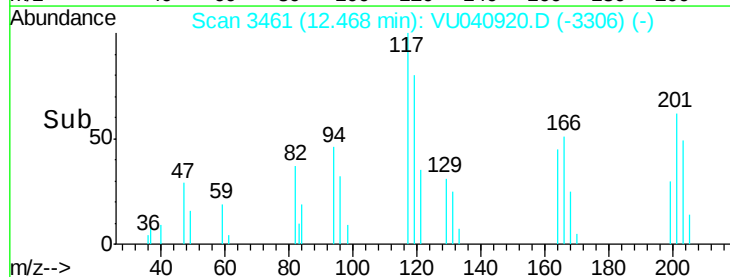
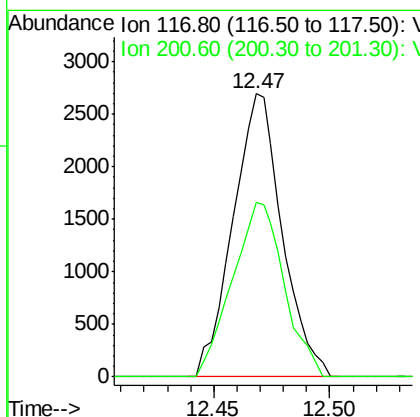
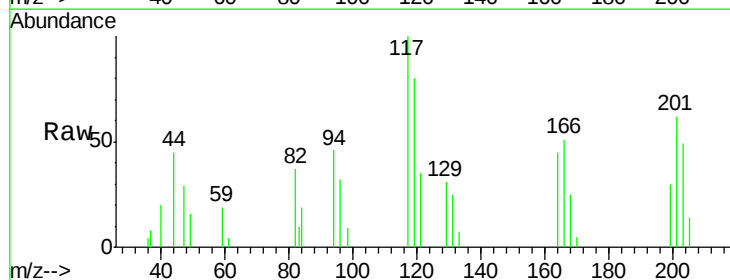
Manual Integrations
 APPROVED

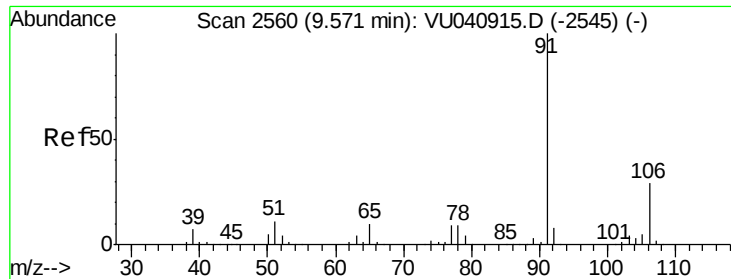
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 10/26/2020 4:15:26 PM



#62
 Hexachloroethane
 Concen: 0.317 ug/l
 RT: 12.47 min Scan# 3461
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Tgt Ion:117 Resp: 3960
 Ion Ratio Lower Upper
 117 100
 201 64.9 52.6 78.8





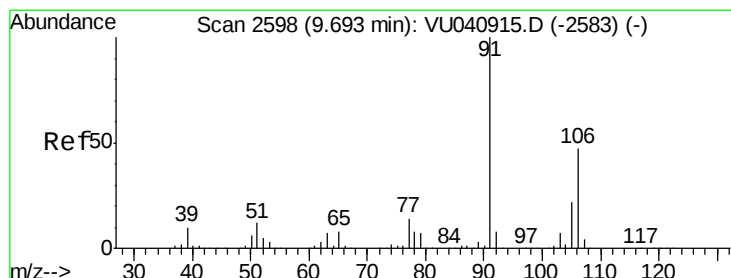
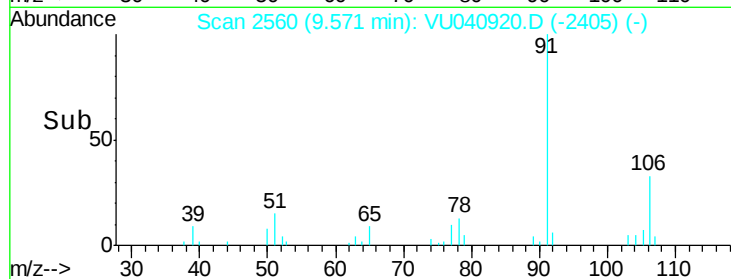
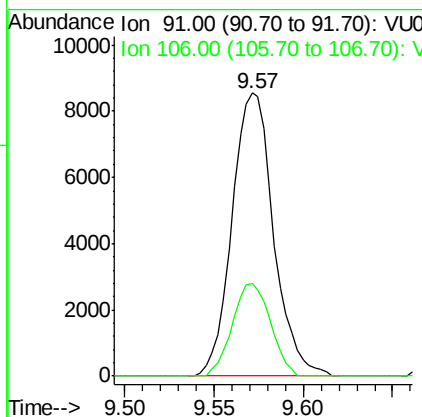
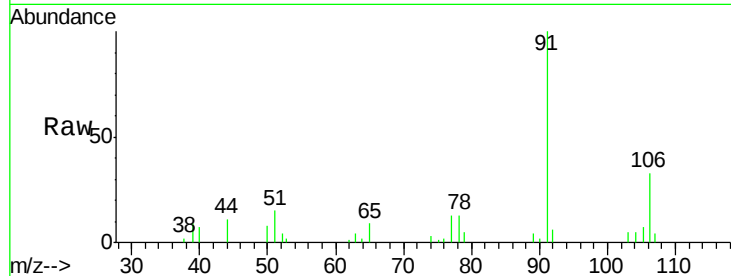
#63
Ethyl Benzene
Concen: 0.216 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 13850
Ion Ratio Lower Upper
91 100
106 32.7 23.5 35.3

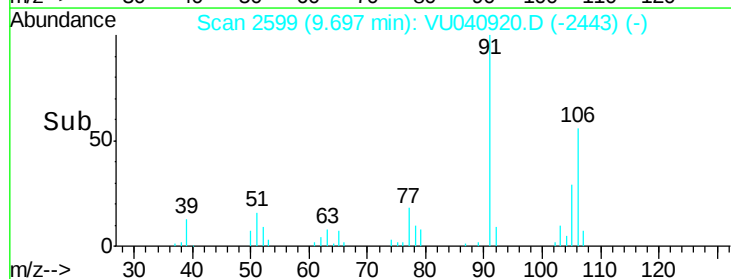
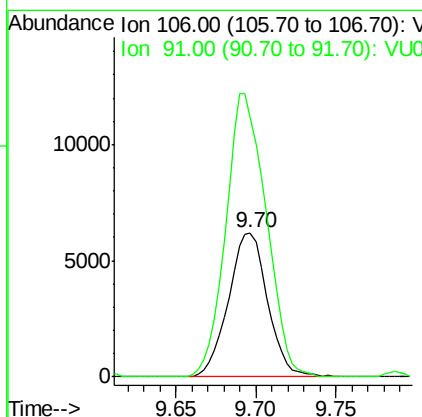
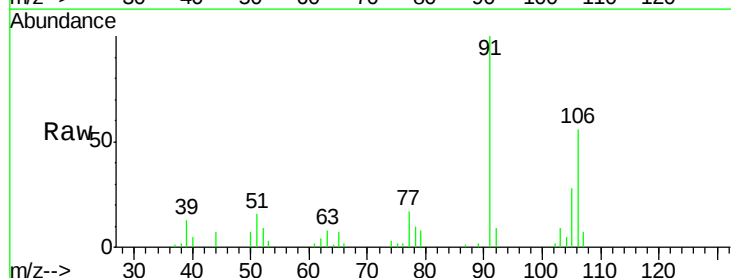
Manual Integrations
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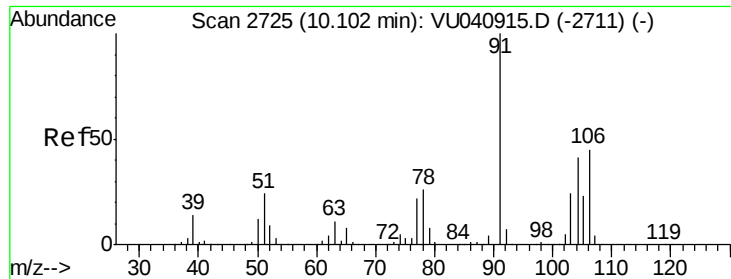
MMDadoda
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#64
m/p-Xylenes
Concen: 0.422 ug/l
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion: 106 Resp: 10313
Ion Ratio Lower Upper
106 100
91 203.3 168.3 252.5





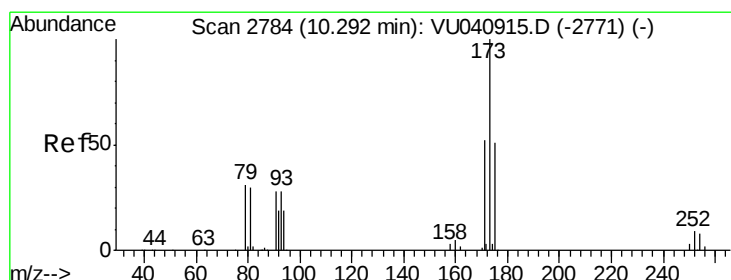
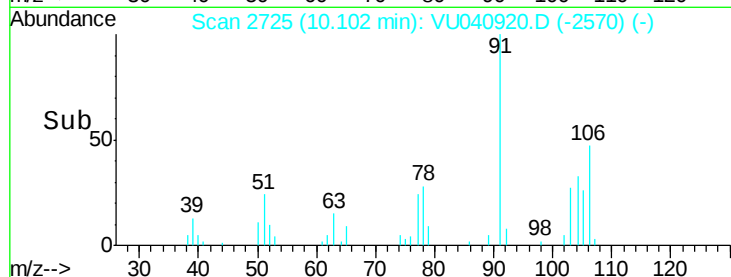
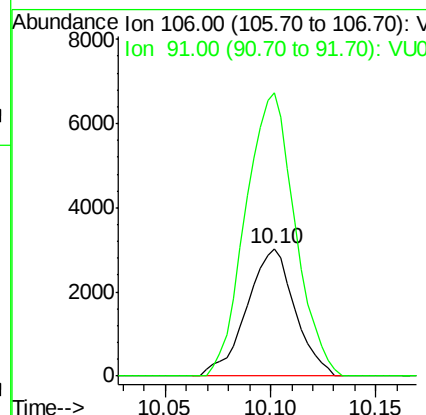
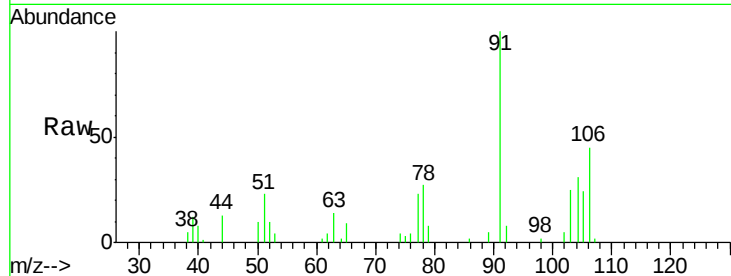
#65
o-Xylene
Concen: 0.213 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:106 Resp: 4799
Ion Ratio Lower Upper
106 100
91 227.9 111.3 333.9

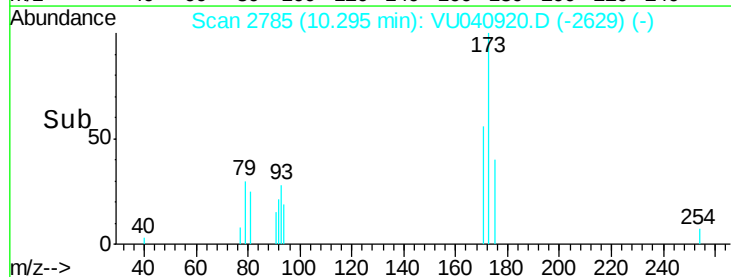
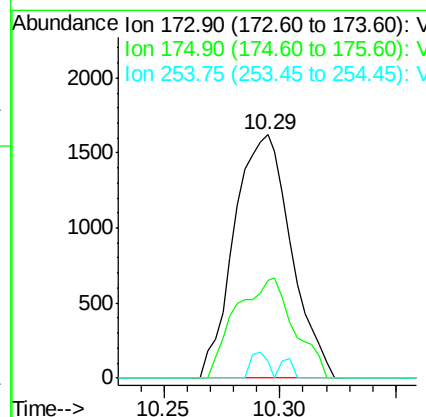
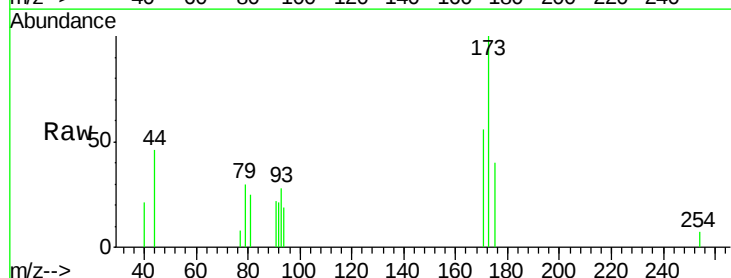
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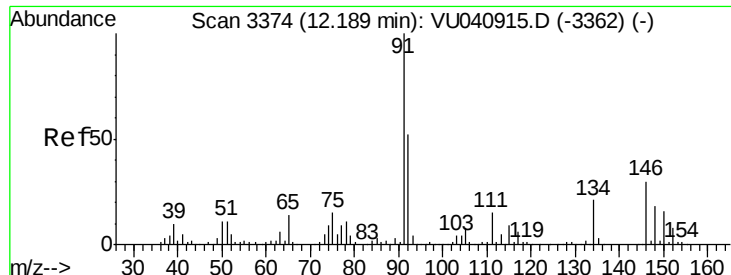
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#67
Bromoform
Concen: 0.318 ug/l
RT: 10.29 min Scan# 2785
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion:173 Resp: 2755
Ion Ratio Lower Upper
173 100
175 42.1 39.0 58.4
254 3.0 6.6 9.8#





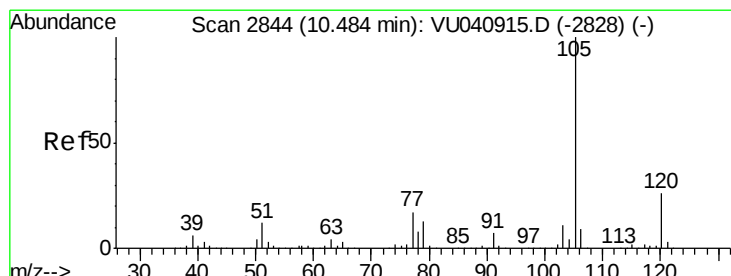
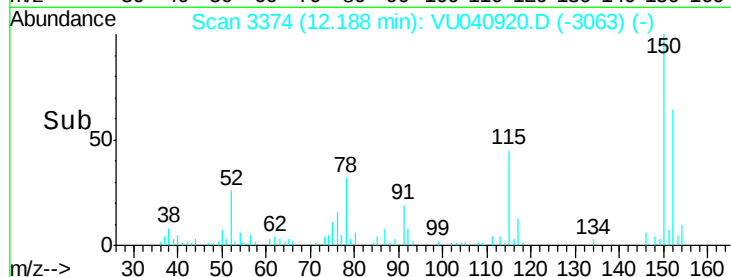
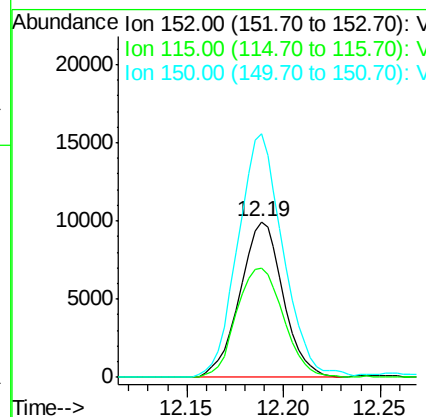
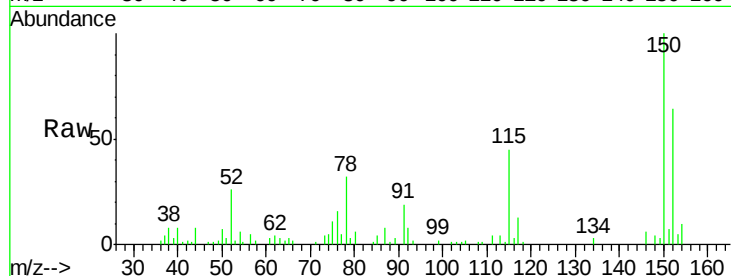
#68
 1,2-Dichlorobenzene-d4
 Concen: 0.782 ug/l
 RT: 12.19 min Scan# 3374
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
152	100		
115	76.2	0.0	323.4
150	163.7	0.0	653.8

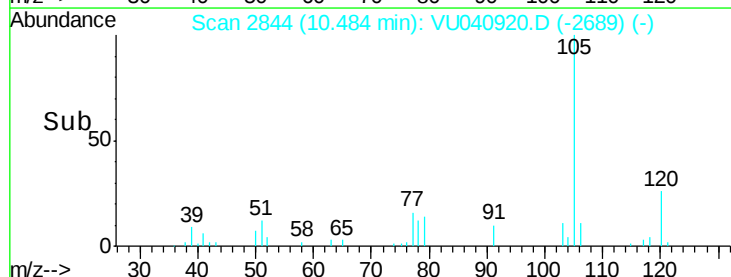
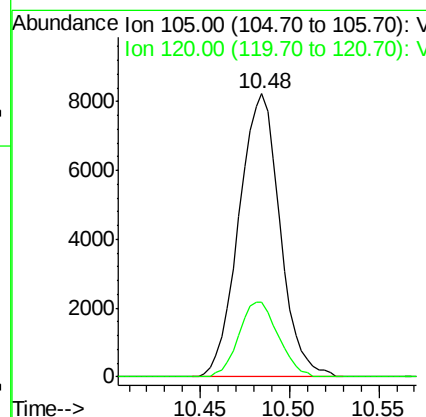
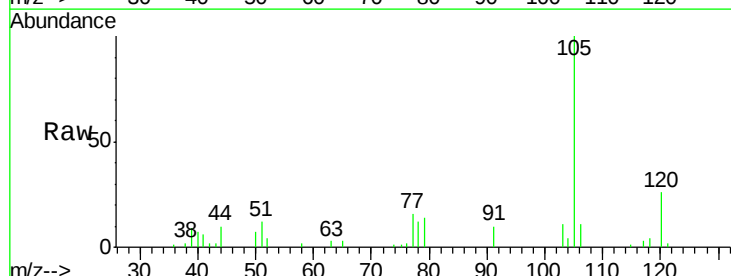
Manual Integrations
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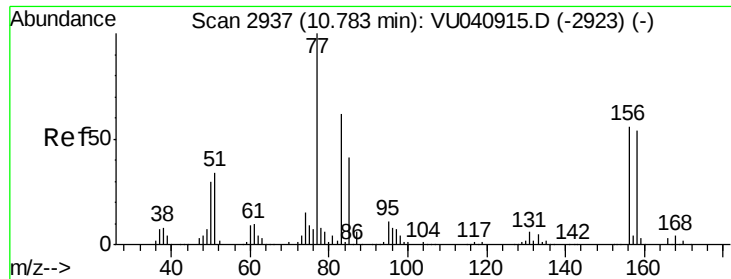
MMDadoda
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#69
 Isopropylbenzene
 Concen: 0.219 ug/l
 RT: 10.48 min Scan# 2844
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.6





#70

1,1,2,2-Tetrachloroethane

Concen: 0.327 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

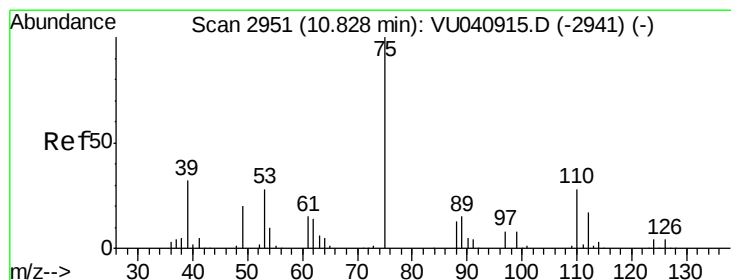
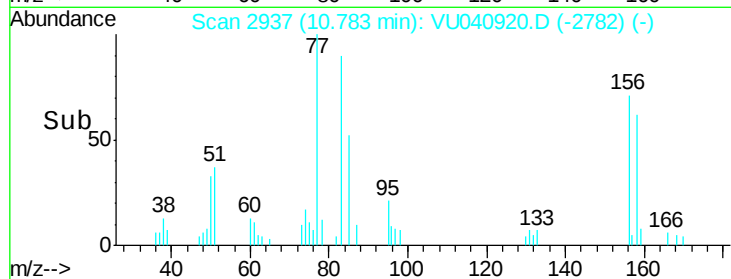
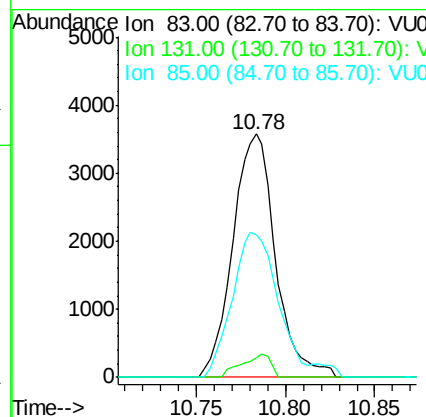
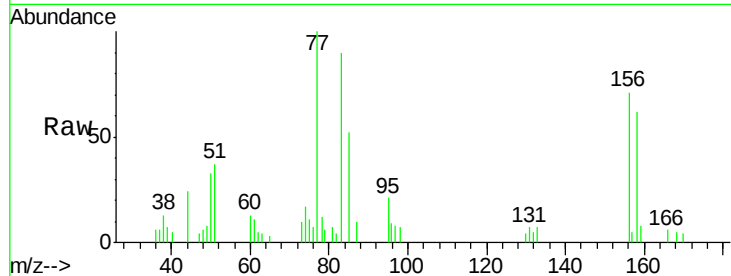
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion	83	Resp	5947
Ion	Ratio	Lower	Upper
83	100		
131	6.5	7.1	10.7#
85	63.2	51.8	77.6

Manual Integrations
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#71

1,2,3-Trichloropropane

Concen: 0.243 ug/l m

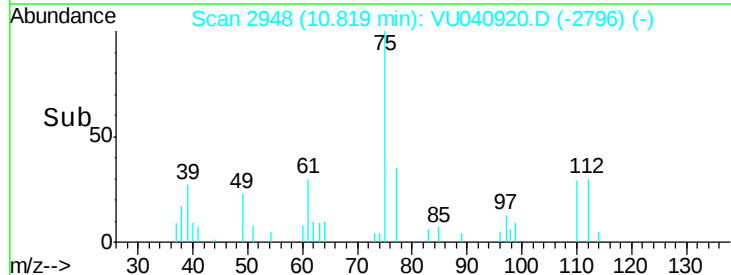
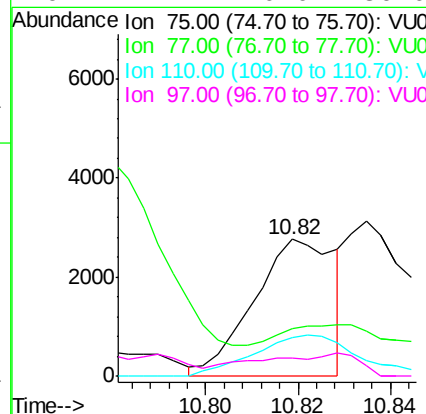
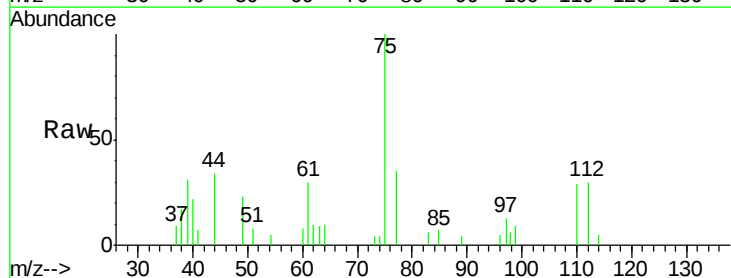
RT: 10.82 min Scan# 2948

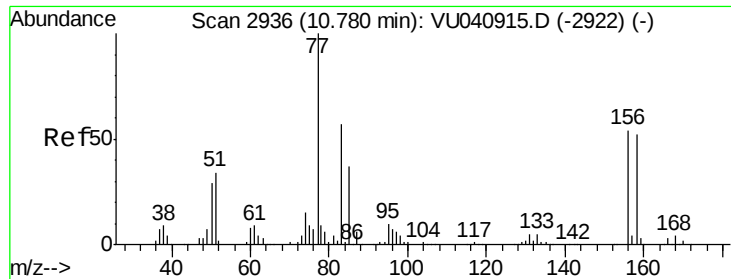
Delta R.T. -0.01 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Tgt Ion	75	Resp	3366
Ion	Ratio	Lower	Upper
75	100		
77	68.0	0.0	110.8
110	37.8	0.0	73.4
97	21.2	0.0	36.0





#72

Bromobenzene

Concen: 0.285 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

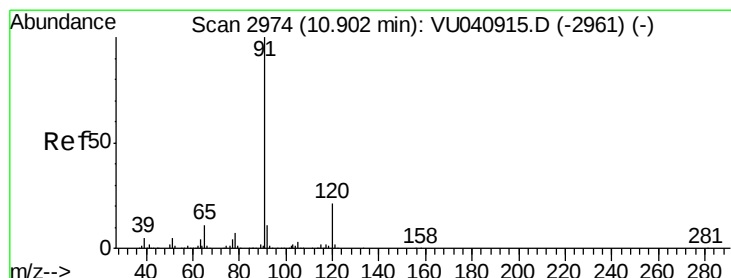
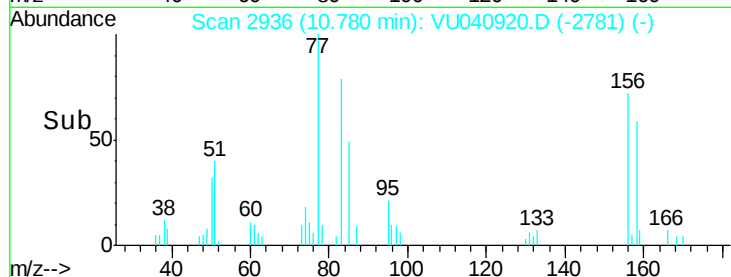
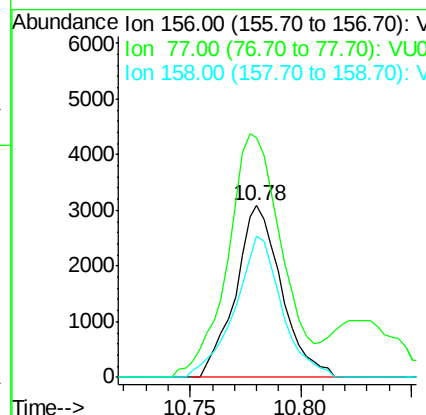
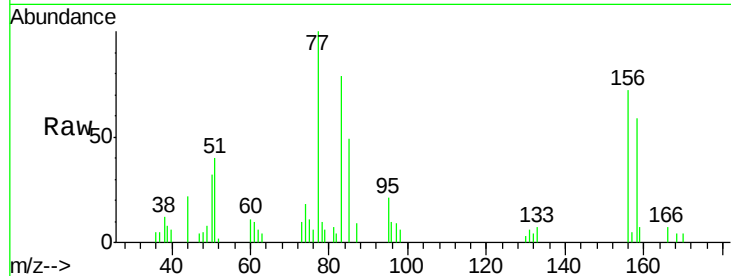
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	156	Resp:	4470
Ion Ratio	Lower	Upper	
156	100		
77	165.5	0.0	370.2
158	83.6	0.0	193.2

Manual Integrations
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#73

n-propylbenzene

Concen: 0.210 ug/l

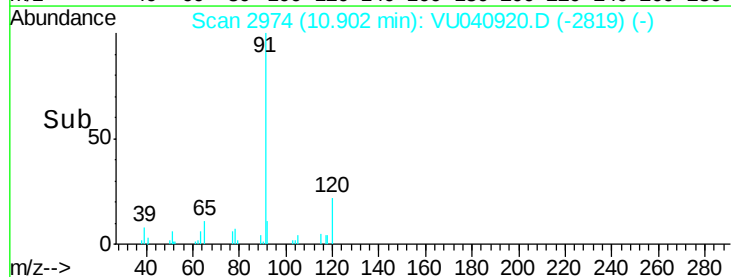
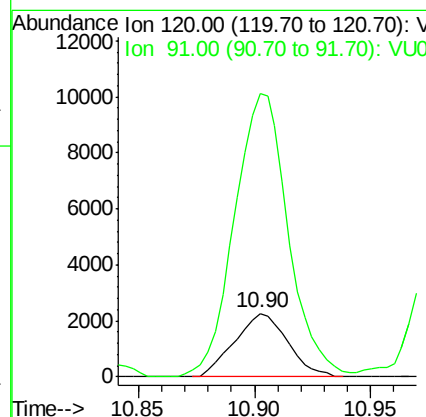
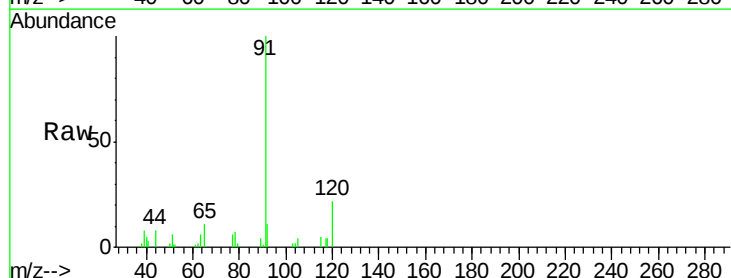
RT: 10.90 min Scan# 2974

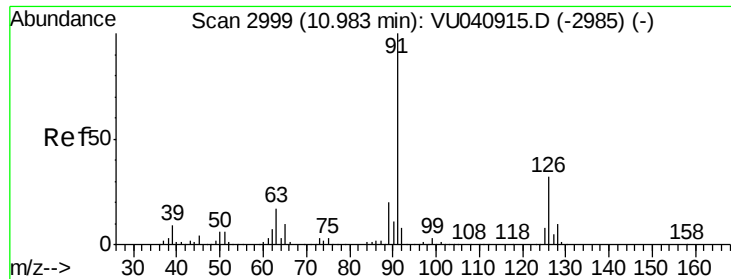
Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Tgt Ion:	120	Resp:	3605
Ion Ratio	Lower	Upper	
120	100		
91	451.5	370.8	556.2





#74

2-Chlorotoluene

Concen: 0.229 ug/l

RT: 10.98 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:126 Resp: 3567

Ion Ratio Lower Upper

126 100

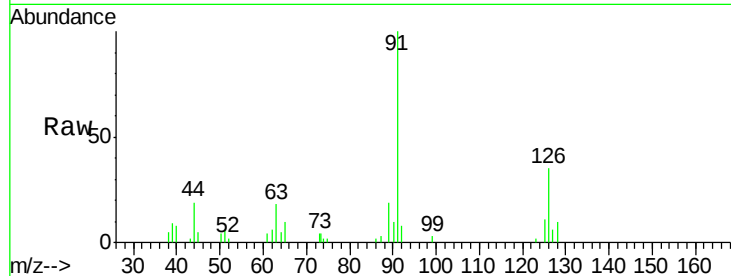
91 316.9 0.0 633.2

Manual Integrations

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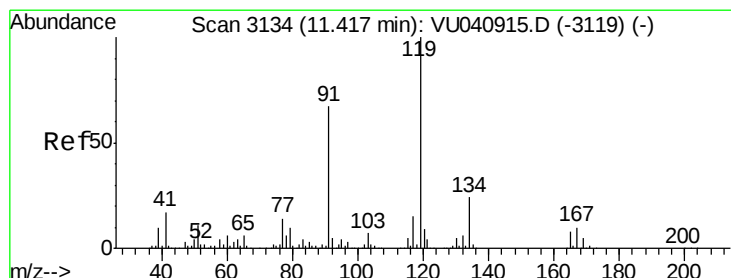
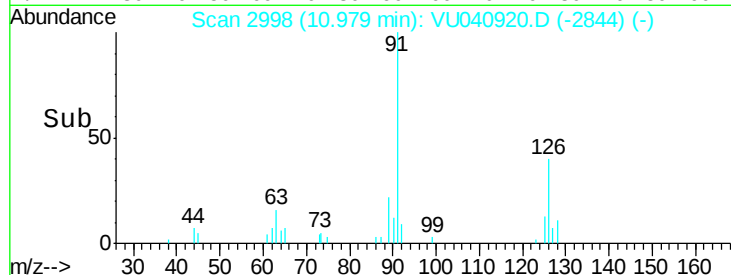
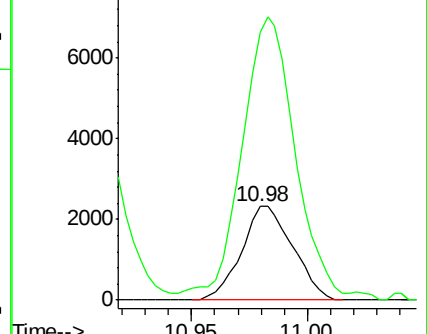
MMDadoda

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Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#77

tert-Butylbenzene

Concen: 0.222 ug/l

RT: 11.41 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

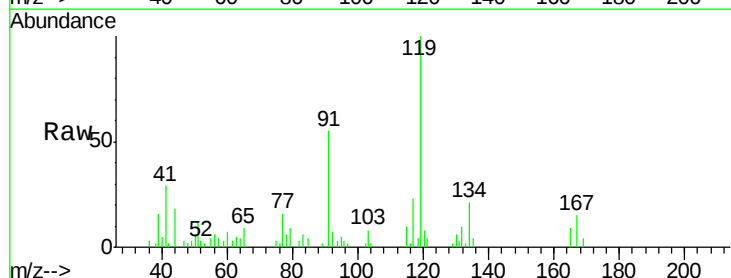
Tgt Ion:119 Resp: 11269

Ion Ratio Lower Upper

119 100

91 53.0 32.0 96.2

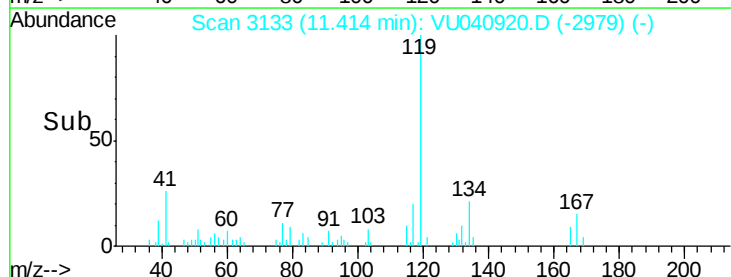
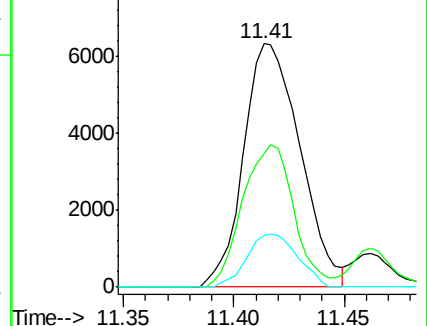
134 19.6 18.4 27.6

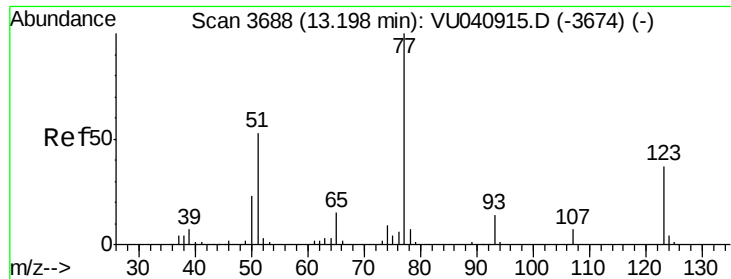


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V





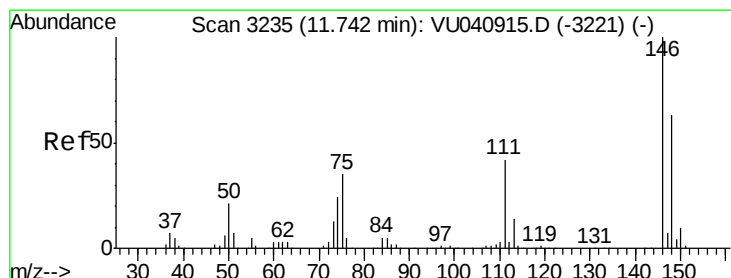
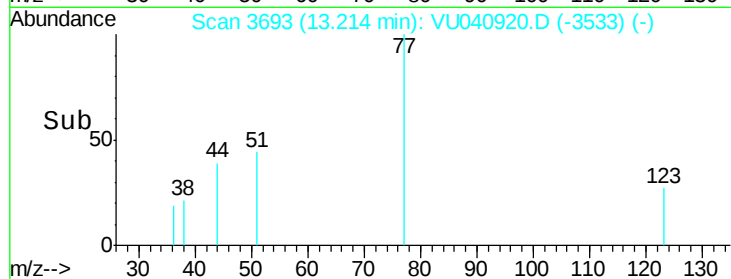
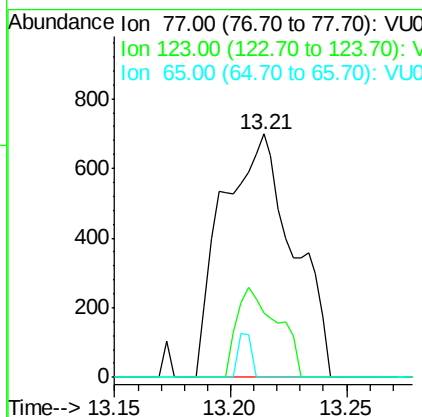
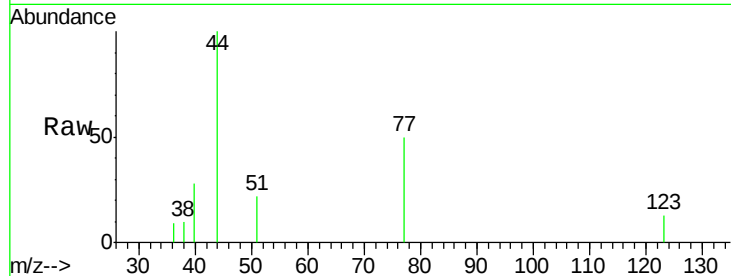
#80
 Nitrobenzene
 Concen: 1.730 ug/l
 RT: 13.21 min Scan# 3693
 Delta R.T. 0.02 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
77	100		
123	21.0	16.8	59.4
65	3.3	11.0	14.0

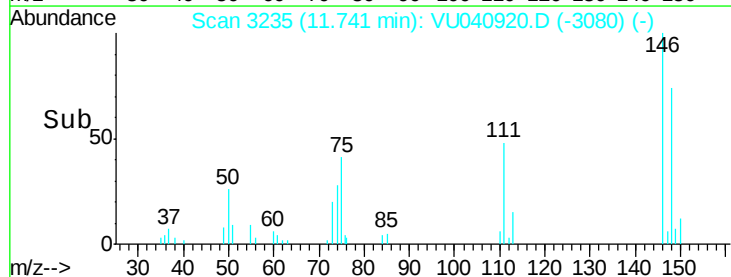
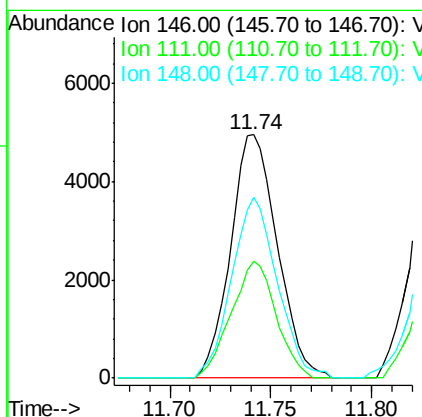
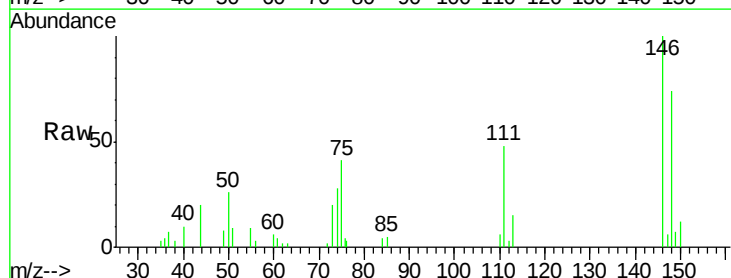
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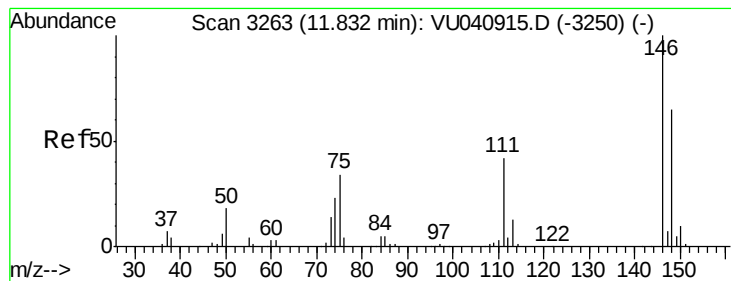
MMDadoda
 10/26/2020 4:15:26 PM



#82
 1,3-Dichlorobenzene
 Concen: 0.235 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	33.6	50.4
148	72.5	50.1	75.1





#83

1,4-Dichlorobenzene

Concen: 0.238 ug/l

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

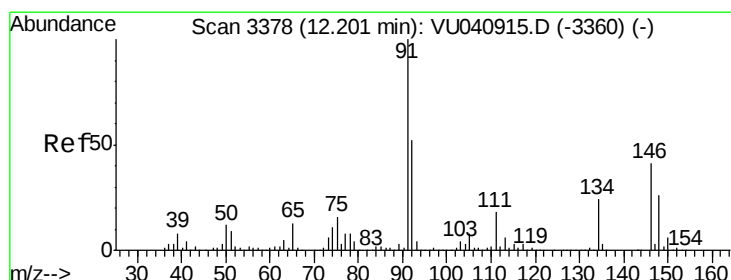
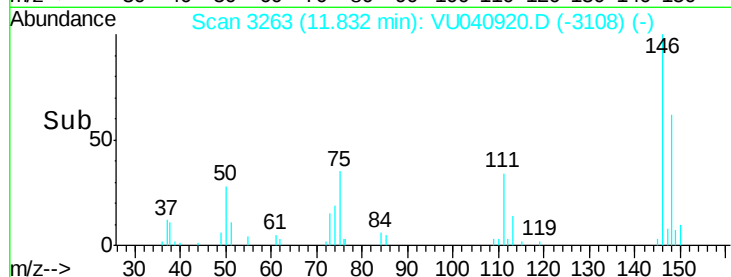
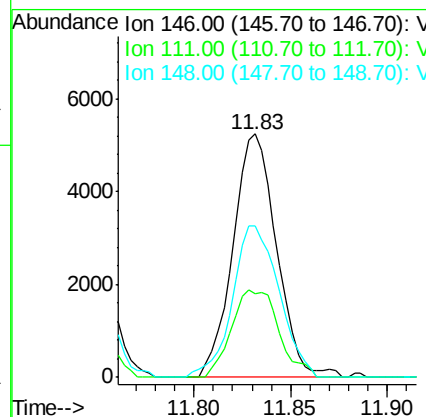
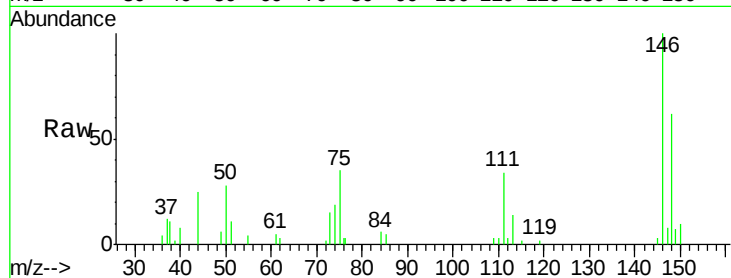
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	146	Resp:	8210
Ion Ratio	Lower	Upper	
146	100		
111	38.9	33.7	50.5
148	66.4	50.6	75.8

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#84

n-Butylbenzene

Concen: 0.205 ug/l

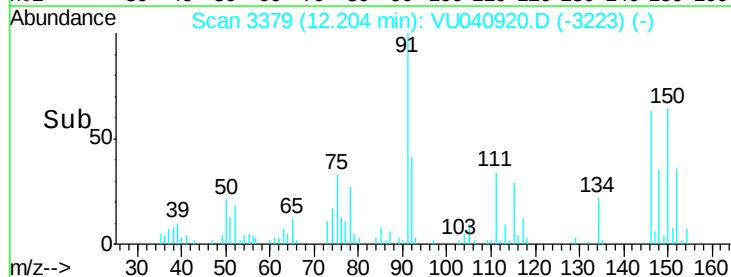
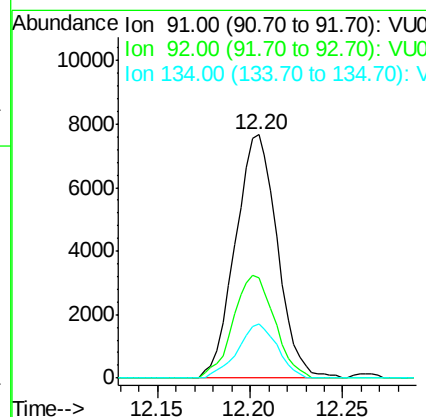
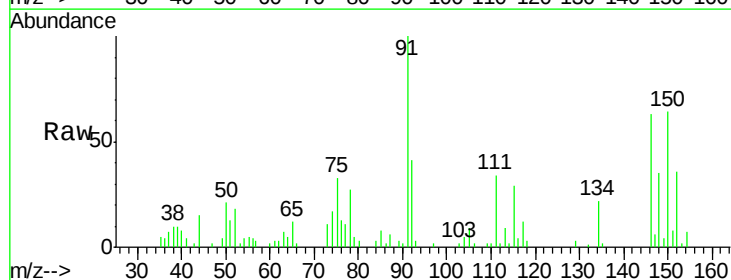
RT: 12.20 min Scan# 3379

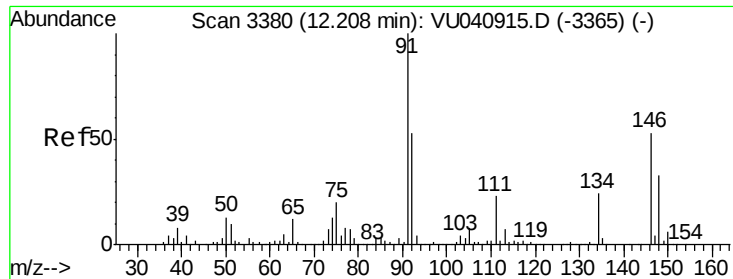
Delta R.T. 0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Tgt Ion:	91	Resp:	12065
Ion Ratio	Lower	Upper	
91	100		
92	41.7	41.7	62.5
134	21.0	18.6	28.0





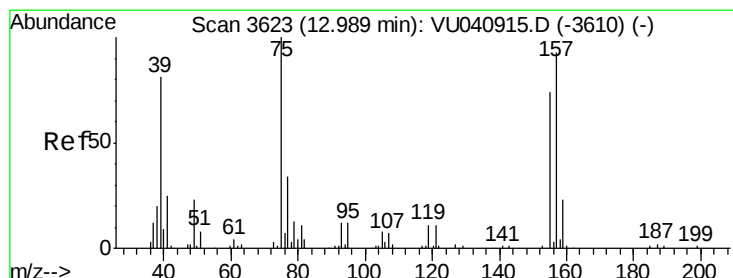
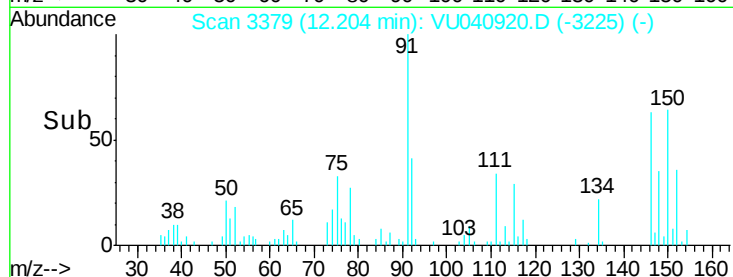
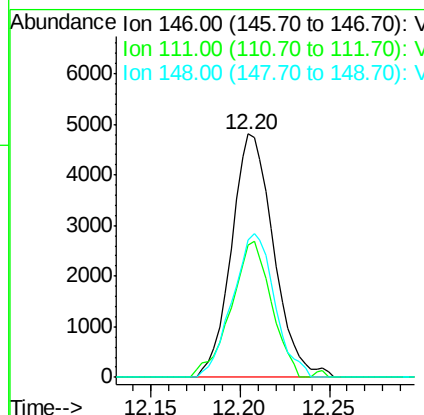
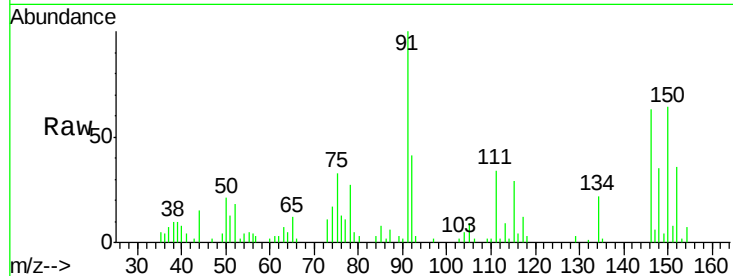
#85
 1,2-Dichlorobenzene
 Concen: 0.243 ug/l
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.3	22.3	66.9
148	58.7	31.5	94.5

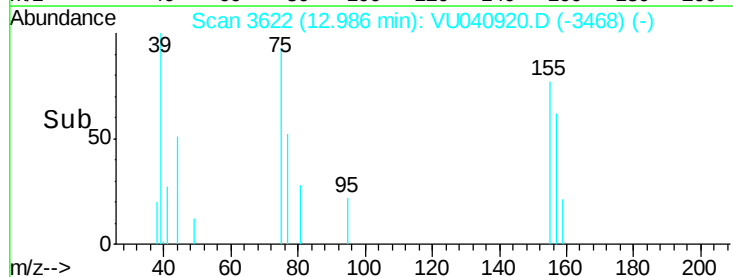
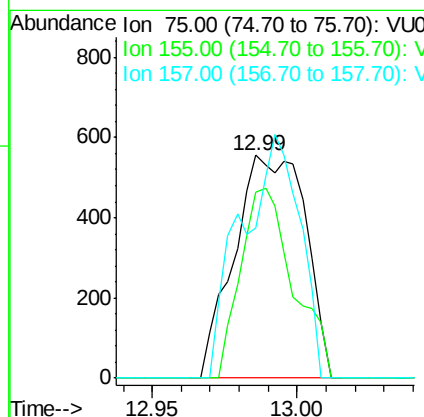
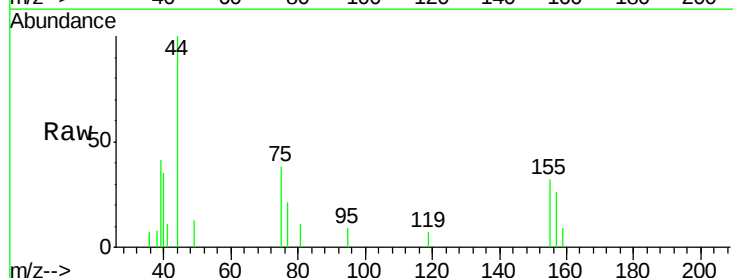
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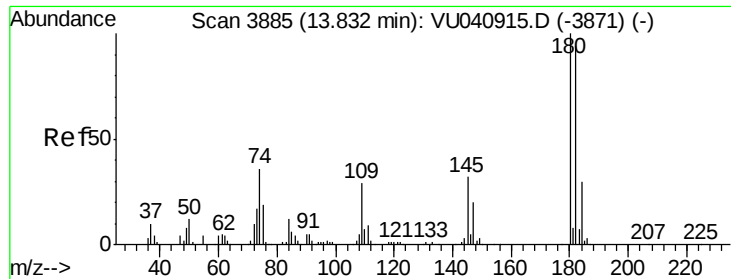
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.279 ug/l
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU040920.D
 Acq: 22 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.9	57.1	85.7
157	89.9	72.4	108.6





#87

1,2,4-Trichlorobenzene

Concen: 0.246 ug/l

RT: 13.83 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Instrument :

MSVOA_U

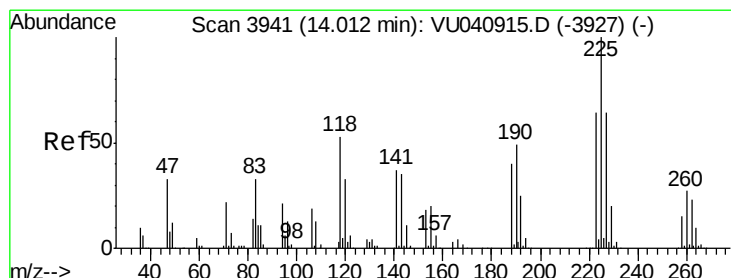
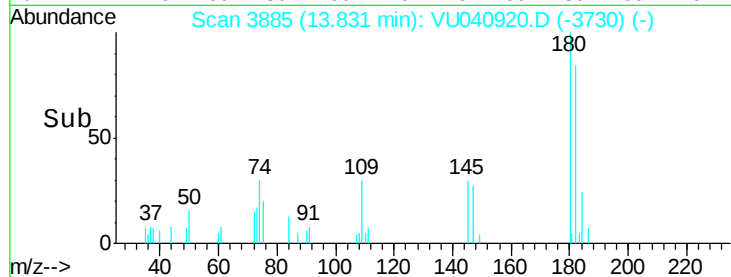
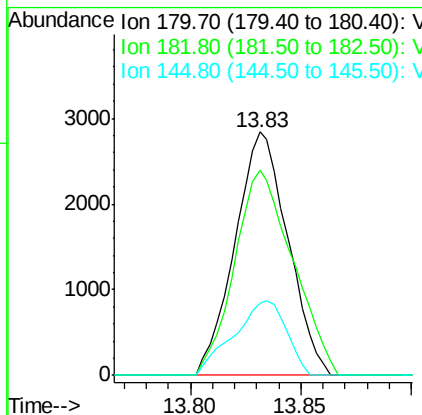
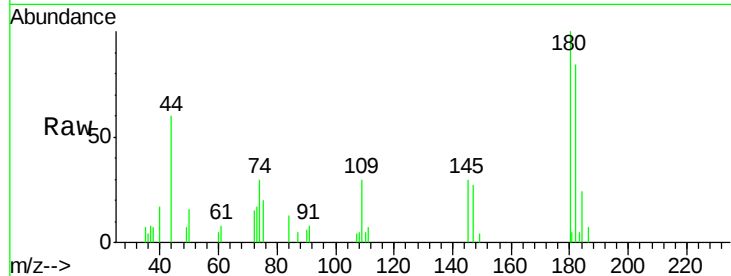
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	180	Resp:	4713
Ion Ratio	Lower	Upper	
180	100		
182	92.7	75.4	113.2
145	30.5	25.4	38.0

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#88

Hexachlorobutadiene

Concen: 0.282 ug/l

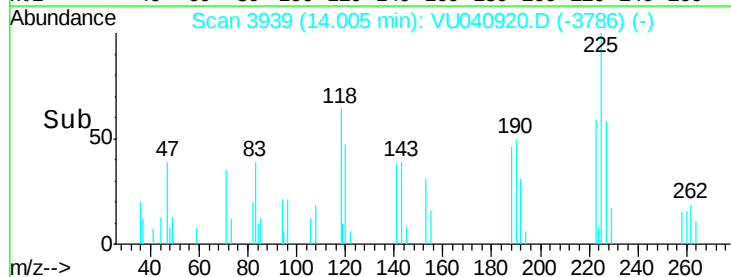
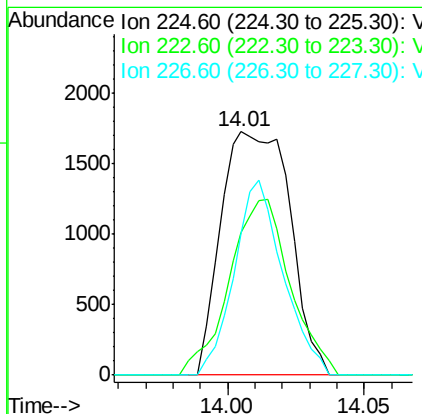
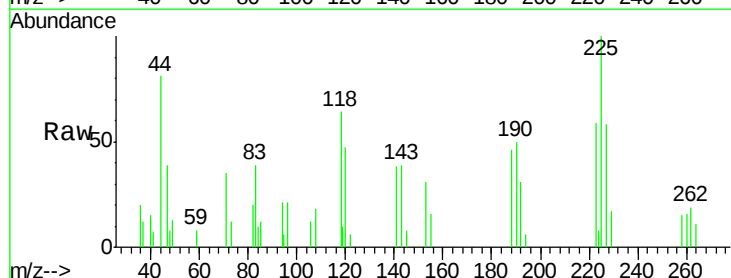
RT: 14.01 min Scan# 3939

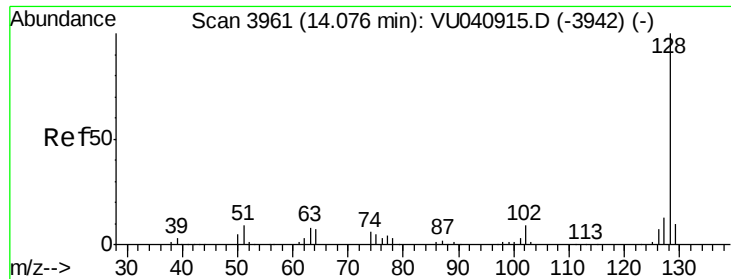
Delta R.T. -0.01 min

Lab File: VU040920.D

Acq: 22 Oct 2020 23:53

Tgt Ion:	225	Resp:	3028
Ion Ratio	Lower	Upper	
225	100		
223	63.7	49.9	74.9
227	56.6	51.1	76.7





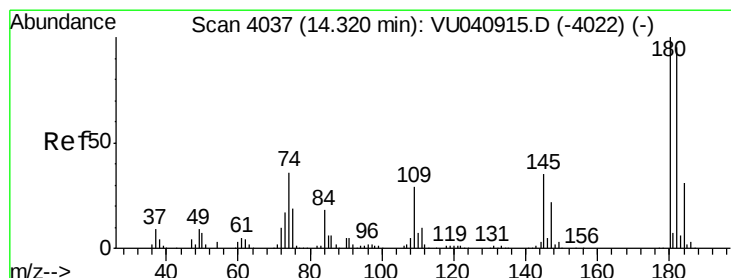
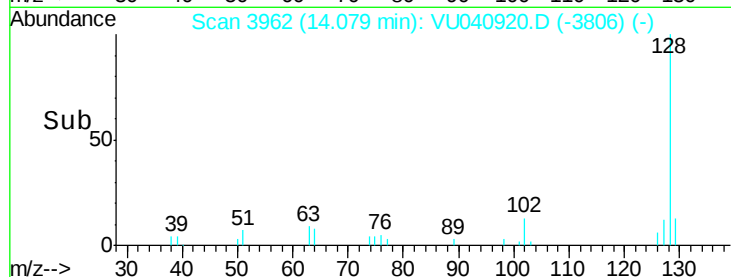
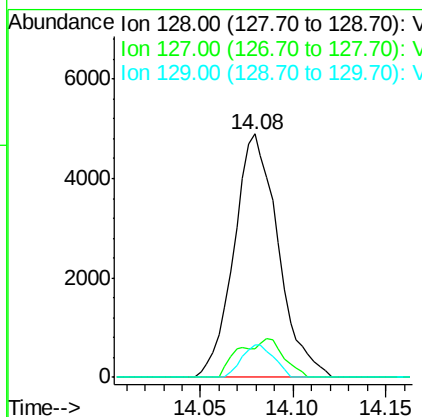
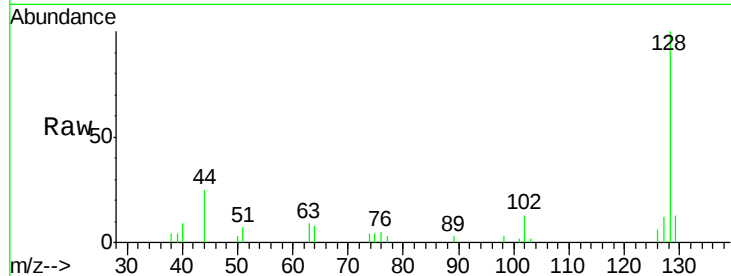
#89
Naphthalene
Concen: 0.219 ug/l
RT: 14.08 min Scan# 3962
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.0	10.7	16.1
129	9.6	8.6	13.0

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#90
1,2,3-Trichlorobenzene
Concen: 0.245 ug/l
RT: 14.32 min Scan# 4038
Delta R.T. 0.00 min
Lab File: VU040920.D
Acq: 22 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.0	114.0
145	26.8	28.0	42.0#

