

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050420\
 Data File : VU038004.D
 Acq On : 04 May 2020 16:23
 Operator : JC/MD
 Sample : L2182-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Manual Integrations
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 5/5/2020 11:15:59 AM

Quant Time: May 05 02:18:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 02:05:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	89298	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	32360	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	32523	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds					Ovalue	
2) Dichlorodifluoromethane	1.40	85	7748	0.256	ug/l	99
3) Chloromethane	1.54	50	9414	0.262	ug/l	90
4) Vinyl Chloride	1.62	62	8960	0.251	ug/l	97
5) Bromomethane	1.87	94	5508	0.257	ug/l	94
6) Chloroethane	1.95	64	5644	0.264	ug/l	96
7) Trichlorofluoromethane	2.16	101	9493	0.255	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	5878	0.253	ug/l	95
9) 1,1-Dichloroethene	2.60	96	6275	0.269	ug/l	93
10) Iodomethane	2.75	142	2901	0.203	ug/l	94
11) Allyl Chloride	2.95	41	11057	0.256	ug/l	97
12) Acrylonitrile	3.35	53	3557	0.558	ug/l #	69
13) Acetone	2.66	43	7010	1.375	ug/l	91
14) Carbon Disulfide	2.82	76	23768	0.279	ug/l #	95
15) Methylene Chloride	3.07	84	14223	0.441	ug/l	93
16) trans-1,2-Dichloroethene	3.38	96	6730	0.264	ug/l #	93
17) 1,1-Dichloroethane	3.91	63	12557	0.259	ug/l	99
18) 2-Butanone	4.76	43	8883	1.162	ug/l	100
19) Cyclohexane	5.42	56	12972m	0.276	ug/l	
20) Methylcyclohexane	6.79	83	11126	0.242	ug/l	96
21) 2,2-Dichloropropane	4.71	77	11206	0.277	ug/l #	90
22) cis-1,2-Dichloroethene	4.71	96	6779	0.251	ug/l	88
23) Diethyl Ether	2.40	59	4919	0.240	ug/l	94
24) tert-Butyl Alcohol	3.23	59	8629	3.801	ug/l #	94
25) Methyl tert-Butyl Ether	3.41	73	16120	0.252	ug/l #	59
26) Bromochloromethane	5.01	128	2647	0.244	ug/l	67
27) Chloroform	5.13	83	12282	0.271	ug/l	83
28) 1,1,1-Trichloroethane	5.35	97	9675	0.259	ug/l	98
29) 1,1-Dichloropropene	5.56	75	10216	0.271	ug/l	98
30) Carbon Tetrachloride	5.56	117	7809	0.249	ug/l	96
31) Isopropyl Ether	4.05	45	19467	0.244	ug/l	94
32) Ethyl-t-butyl ether	4.56	59	17784	0.247	ug/l	98
33) Tert-Amyl methyl ether	5.98	73	14305	0.231	ug/l	99
34) Propionitrile	4.83	54	2487	1.136	ug/l #	91
35) Benzene	5.81	78	27377	0.260	ug/l	97
36) 1,2-Dichloroethane	5.83	62	8050	0.258	ug/l	100
37) Trichloroethene	6.57	130	7792	0.282	ug/l	80
38) 1,2-Dichloropropane	6.82	63	7209	0.254	ug/l	97
39) Methacrylonitrile	5.02	41	2269	0.221	ug/l	91
40) Methyl acrylate	4.89	55	3897	0.258	ug/l #	93
41) Tetrahydrofuran	5.11	42	3739	0.731	ug/l #	89
42) 1-Chlorobutane	5.49	56	14141	0.261	ug/l	93

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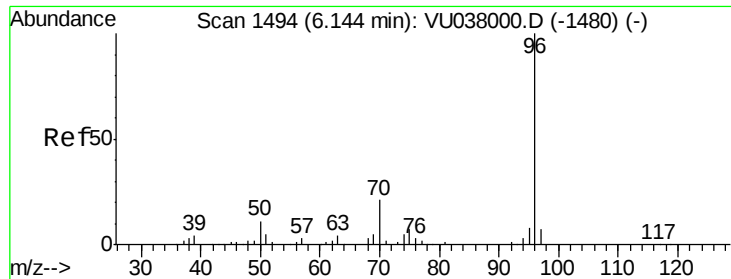
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Quant Time: May 05 02:18:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	3096	0.234	ug/l	96
44) Bromodichloromethane	7.14	83	8374	0.252	ug/l	94
45) 4-Methyl-2-Pentanone	7.82	43	25371	1.410	ug/l	96
46) t-1,4-Dichloro-2-butene	10.85	75	2635m	0.473	ug/l	
47) Methyl methacrylate	6.99	69	6794	0.506	ug/l	97
48) Ethyl methacrylate	8.36	69	6184	0.249	ug/l	94
49) Toluene	8.00	92	16401	0.246	ug/l	98
50) t-1,3-Dichloropropene	8.23	75	7282	0.215	ug/l	98
51) cis-1,3-Dichloropropene	7.64	75	9898	0.243	ug/l	95
52) 1,1,2-Trichloroethane	8.43	97	5035	0.269	ug/l #	87
53) 1,3-Dichloropropane	8.60	76	8374	0.239	ug/l	96
54) 2-Hexanone	8.71	43	16710	1.315	ug/l	98
55) Dibromochloromethane	8.84	129	4782	0.231	ug/l	89
56) 1,2-Dibromoethane	8.95	107	4540	0.257	ug/l	91
58) Tetrachloroethene	8.57	164	6933	0.269	ug/l	90
59) Chlorobenzene	9.47	112	18579	0.263	ug/l	93
60) 1,1,1,2-Tetrachloroethane	9.56	131	5254	0.245	ug/l	97
61) Pentachloroethane	11.45	117	3873	0.241	ug/l	96
62) Hexachloroethane	12.49	117	3433	0.205	ug/l	97
63) Ethyl Benzene	9.59	91	30985	0.246	ug/l	98
64) m/p-Xylenes	9.71	106	22761	0.470	ug/l	94
65) o-Xylene	10.12	106	11028	0.234	ug/l	98
66) Styrene	10.13	104	18900	0.243	ug/l	97
67) Bromoform	10.31	173	2355	0.216	ug/l #	97
69) Isopropylbenzene	10.50	105	28812	0.234	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.80	83	5897	0.246	ug/l	98
71) 1,2,3-Trichloropropane	10.84	75	4157m	0.235	ug/l	
72) Bromobenzene	10.80	156	7621	0.277	ug/l	89
73) n-propylbenzene	10.92	120	7885	0.233	ug/l	94
74) 2-Chlorotoluene	11.00	126	6604	0.233	ug/l	93
75) 1,3,5-Trimethylbenzene	11.10	105	23109	0.226	ug/l	98
76) 4-Chlorotoluene	11.11	126	7482	0.254	ug/l	96
77) tert-Butylbenzene	11.43	119	22533	0.232	ug/l	97
78) 1,2,4-Trimethylbenzene	11.48	105	24598	0.234	ug/l	95
79) sec-Butylbenzene	11.66	105	31192	0.224	ug/l	99
80) Nitrobenzene	13.23	77	817	1.150	ug/l #	84
81) p-Isopropyltoluene	11.81	119	26110	0.233	ug/l	97
82) 1,3-Dichlorobenzene	11.76	146	14951	0.262	ug/l	99
83) 1,4-Dichlorobenzene	11.85	146	15742	0.273	ug/l	98
84) n-Butylbenzene	12.22	91	25687	0.229	ug/l	99
85) 1,2-Dichlorobenzene	12.23	146	14516	0.274	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	916	0.243	ug/l	87
87) 1,2,4-Trichlorobenzene	13.87	180	10021	0.258	ug/l	93
88) Hexachlorobutadiene	14.05	225	4768	0.275	ug/l	93
89) Naphthalene	14.12	128	19063	0.256	ug/l	99
90) 1,2,3-Trichlorobenzene	14.36	180	9703	0.281	ug/l	93

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

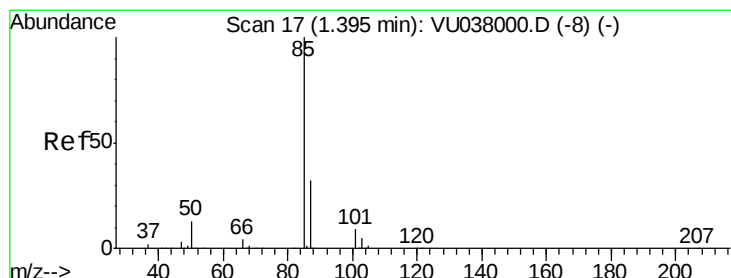
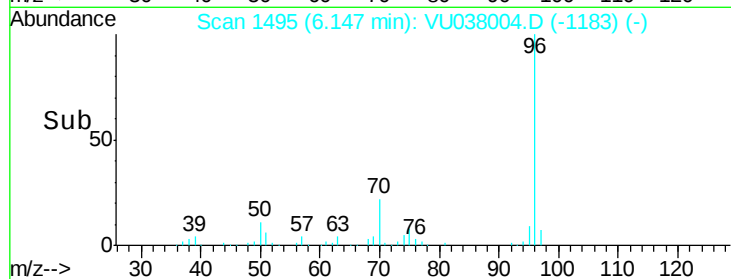
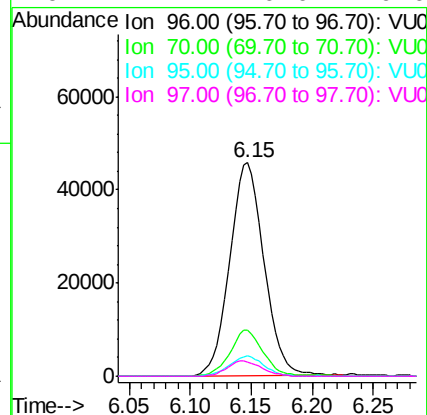
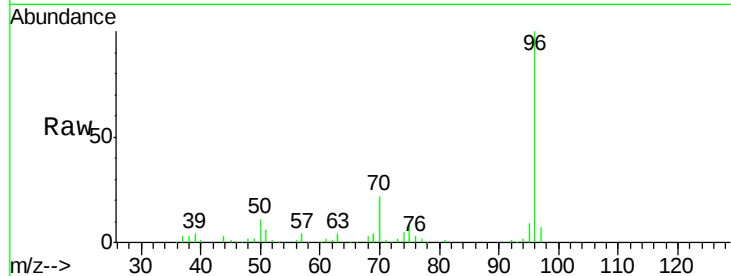
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	96	Resp:	89298
Ion Ratio	Lower	Upper	
96	100		
70	20.3	14.4	21.6
95	9.6	7.1	10.7
97	7.4	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.256 ug/l

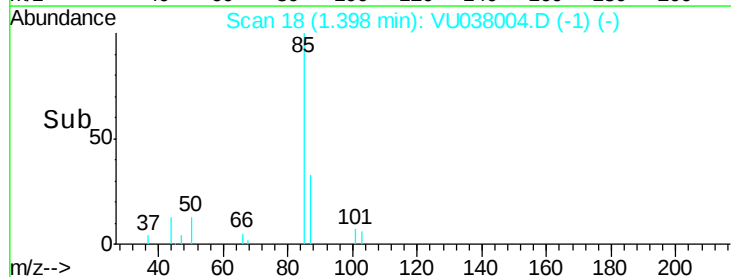
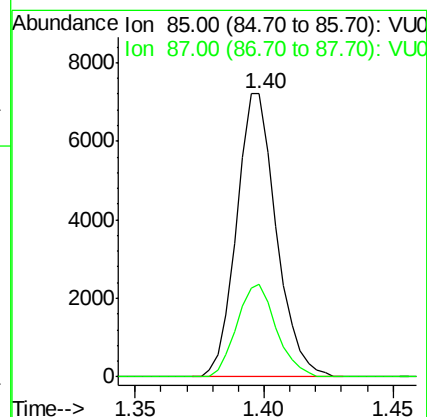
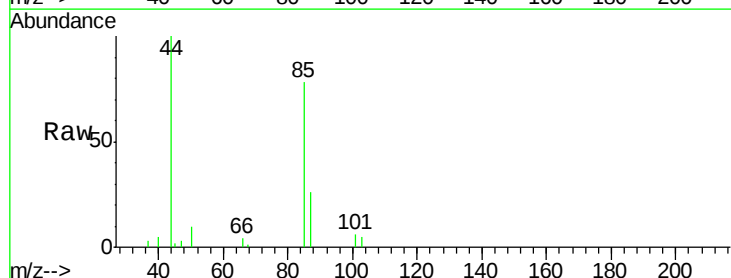
RT: 1.40 min Scan# 18

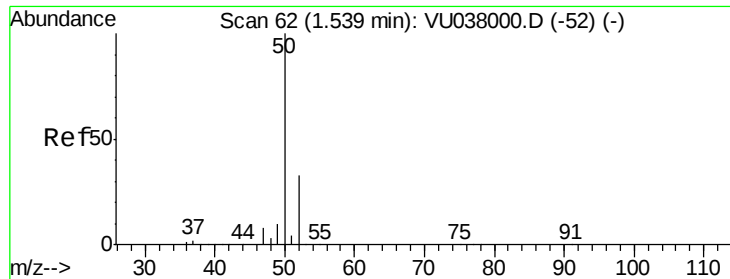
Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Tgt Ion:	85	Resp:	7748
Ion Ratio	Lower	Upper	
85	100		
87	32.6	16.2	48.5





#3

Chloromethane

Concen: 0.262 ug/l

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 50 Resp: 9414

Ion Ratio Lower Upper

50 100

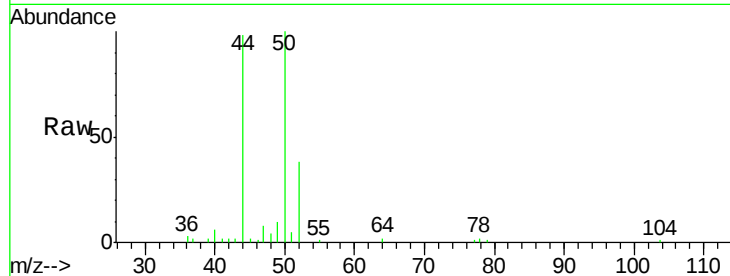
52 38.3 26.1 39.1

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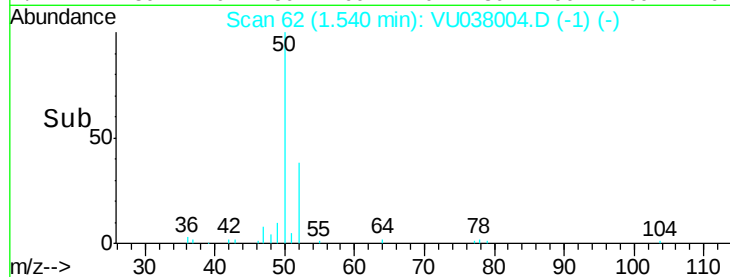
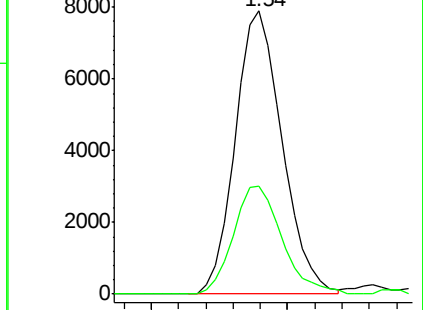
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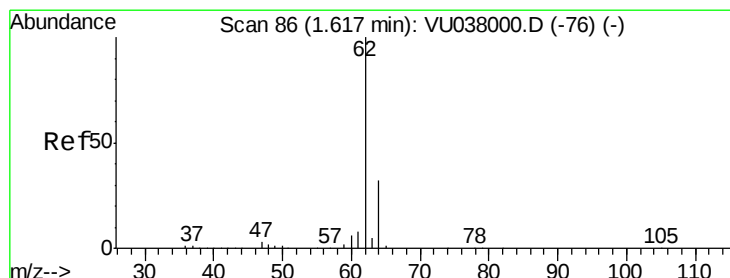


Abundance Ion 50.00 (49.70 to 50.70): VU038000.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU038000.D (-52) (-)



Time-->



#4

Vinyl Chloride

Concen: 0.251 ug/l

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038004.D

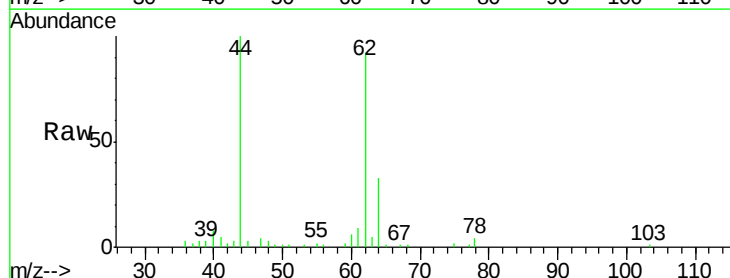
Acq: 04 May 2020 16:23

Tgt Ion: 62 Resp: 8960

Ion Ratio Lower Upper

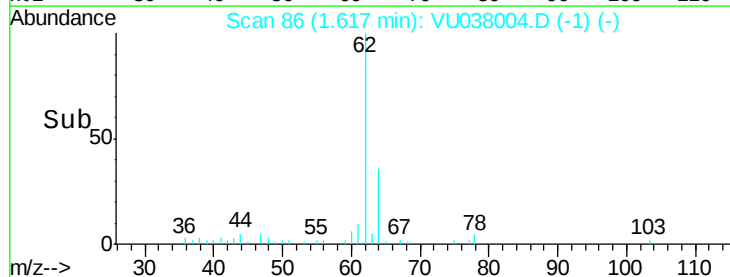
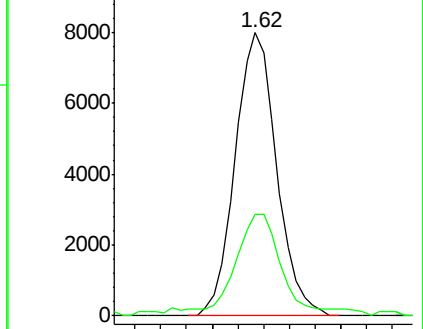
62 100

64 33.7 25.7 38.5

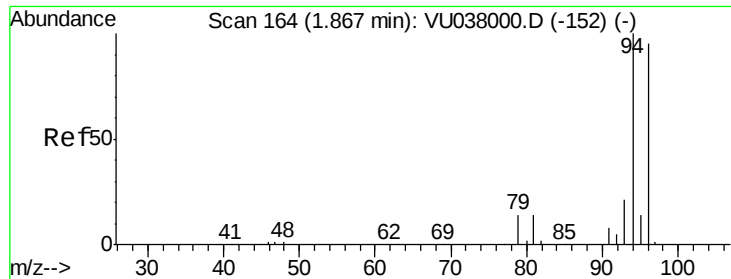


Abundance Ion 62.00 (61.70 to 62.70): VU038000.D (-76) (-)

Ion 64.00 (63.70 to 64.70): VU038000.D (-76) (-)



Time-->



#5

Bromomethane

Concen: 0.257 ug/l

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 94 Resp: 5508

Ion Ratio Lower Upper

94 100

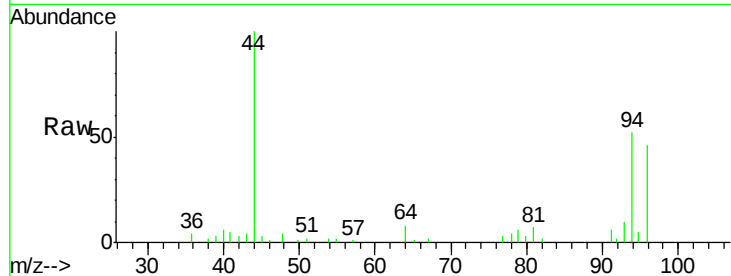
96 88.9 76.1 114.1

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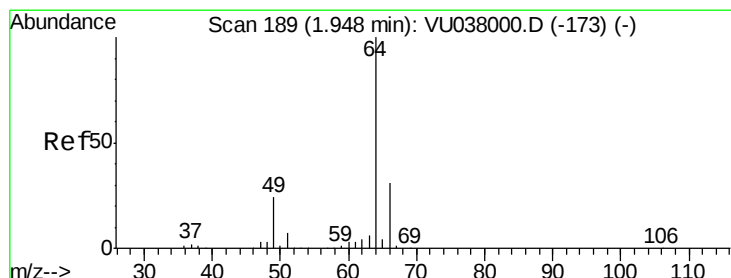
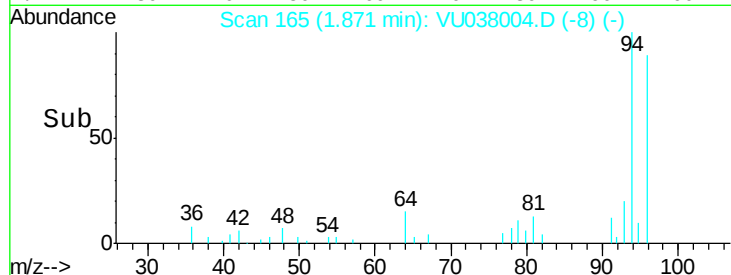
Abundance Ion 94.00 (93.70 to 94.70): VU038000.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU038000.D (-152) (-)

1.87

1.85 1.90

Time-->



#6

Chloroethane

Concen: 0.264 ug/l

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038004.D

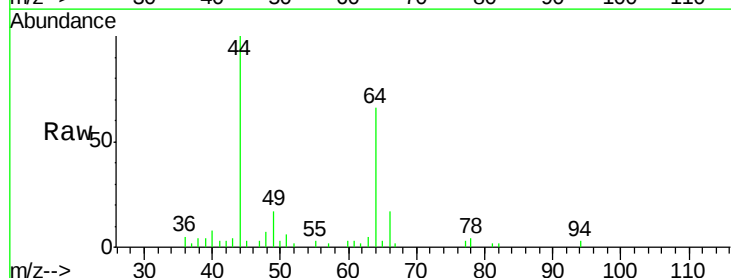
Acq: 04 May 2020 16:23

Tgt Ion: 64 Resp: 5644

Ion Ratio Lower Upper

64 100

66 28.9 24.8 37.2



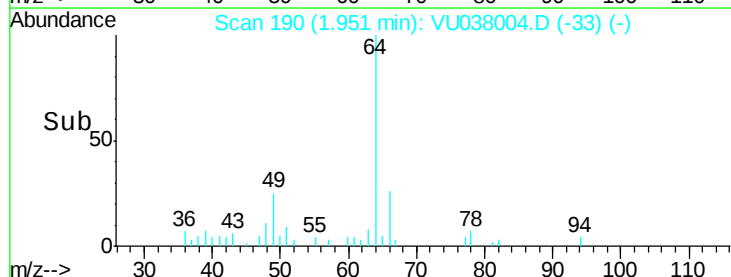
Abundance Ion 64.00 (63.70 to 64.70): VU038000.D (-173) (-)

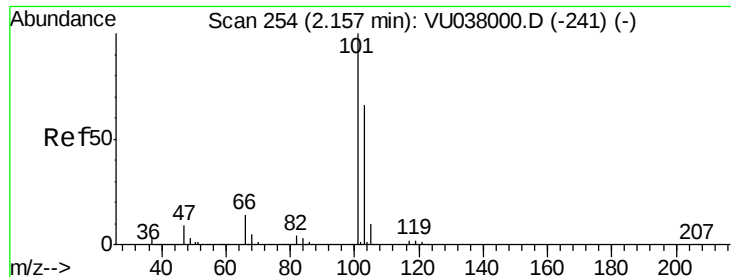
Ion 66.00 (65.70 to 66.70): VU038000.D (-173) (-)

1.95

1.90 2.00

Time-->





#7

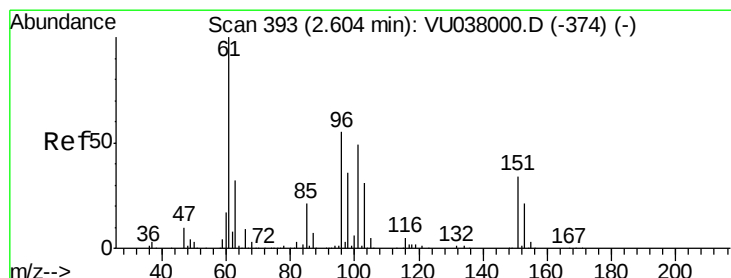
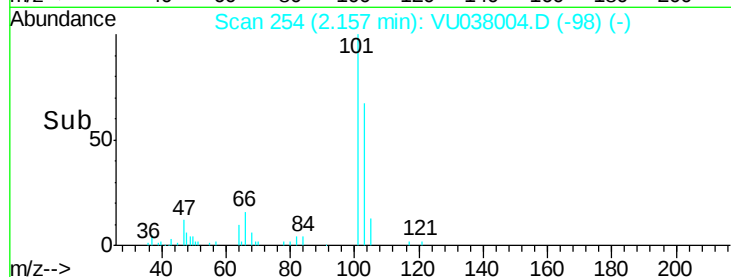
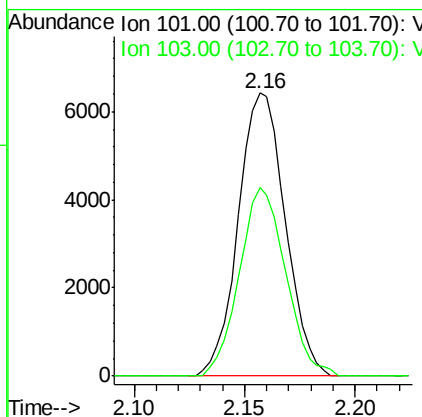
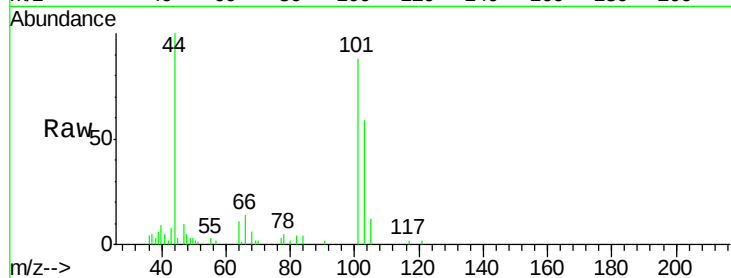
Trichlorofluoromethane
Concen: 0.255 ug/l
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU038004.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.6	78.8

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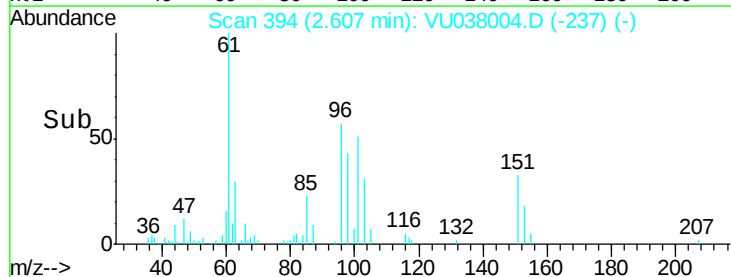
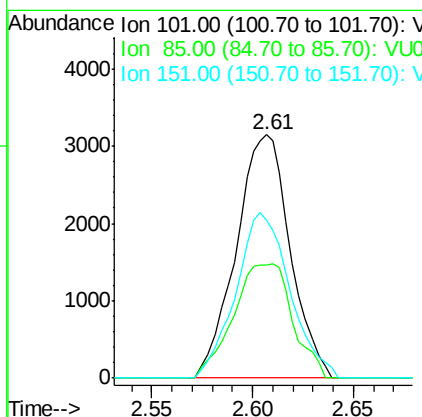
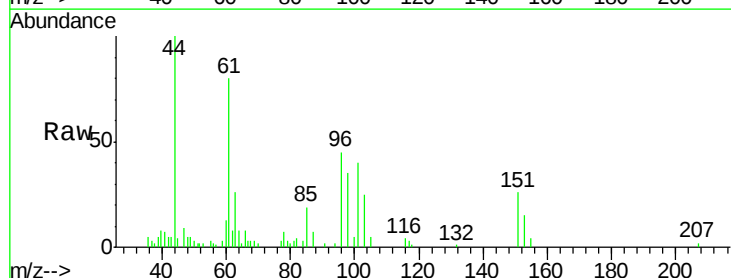
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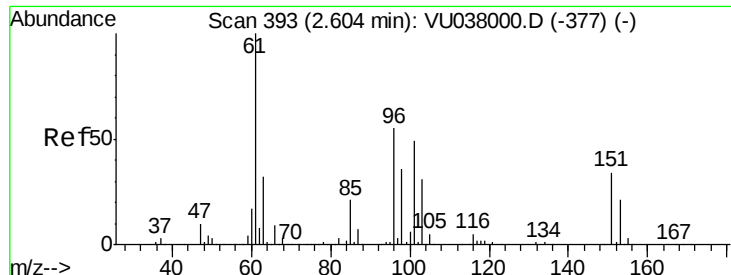


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.253 ug/l
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Tgt Ion	Ratio	Lower	Upper
101	100		
85	51.3	35.5	53.3
151	68.3	55.2	82.8





#9

1,1-Dichloroethene

Concen: 0.269 ug/l

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

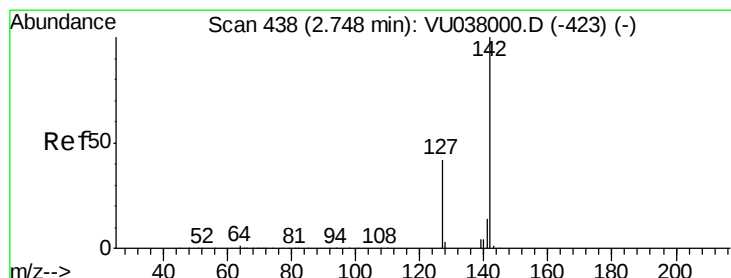
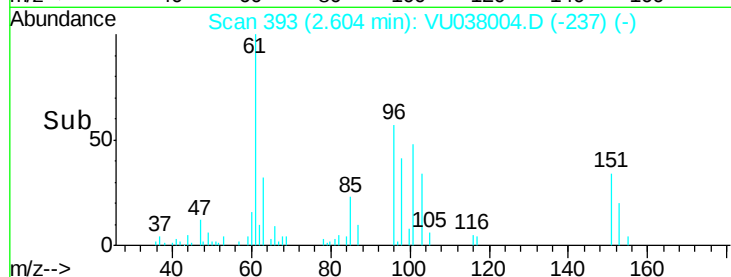
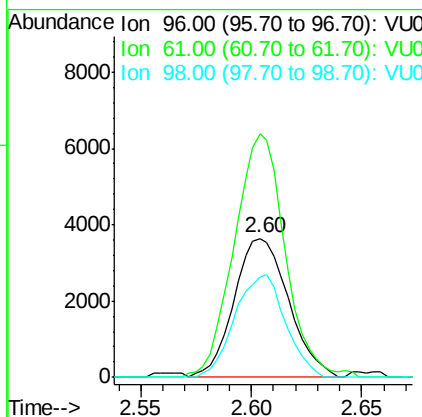
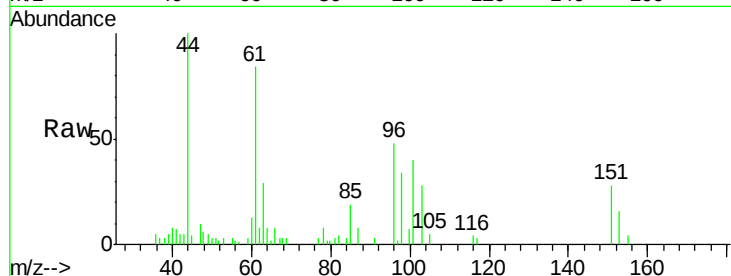
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	96	Resp:	6275
Ion	Ratio	Lower	Upper
96	100		
61	171.5	0.0	543.0
98	71.8	0.0	129.4

Manual Integrations
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#10

Iodomethane

Concen: 0.203 ug/l

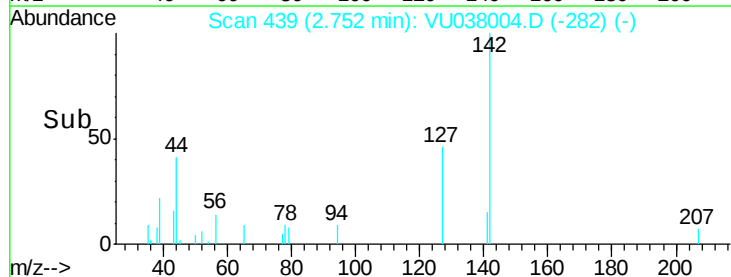
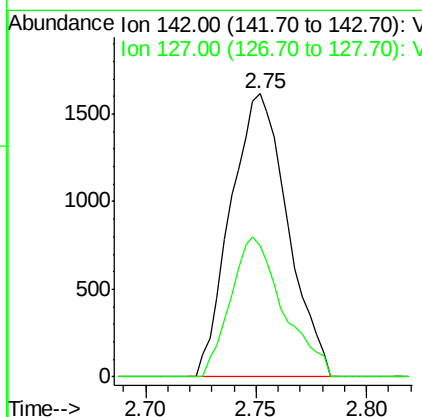
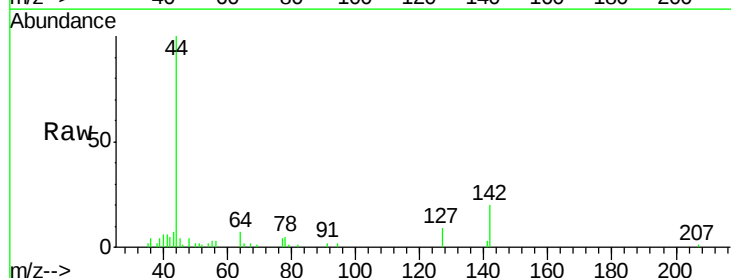
RT: 2.75 min Scan# 439

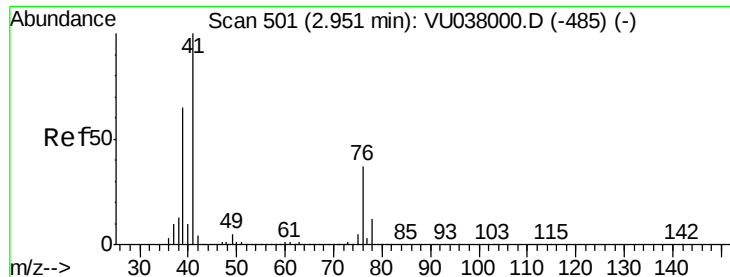
Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Tgt Ion:	142	Resp:	2901
Ion	Ratio	Lower	Upper
142	100		
127	45.5	33.5	50.3





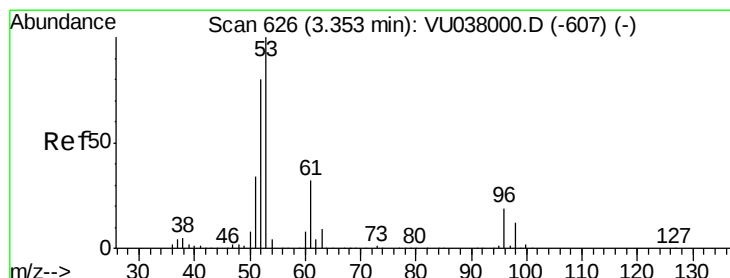
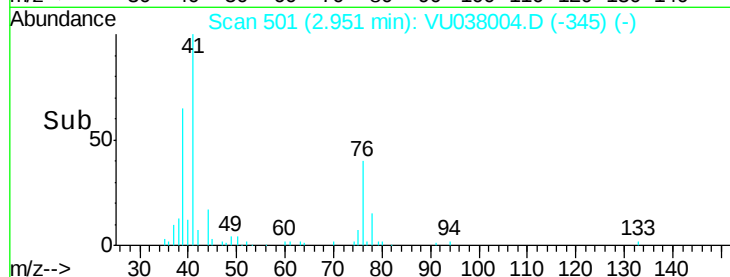
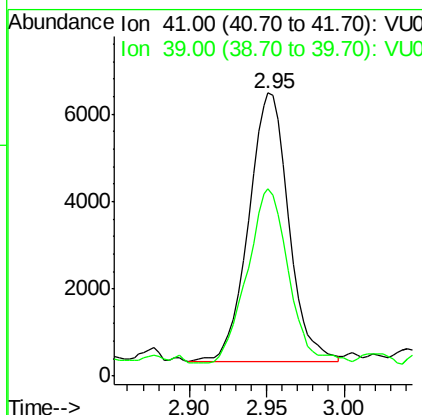
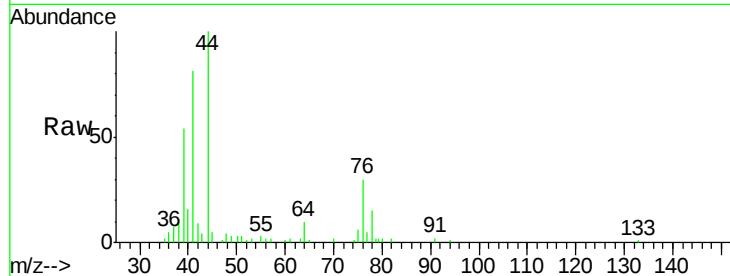
#11
Allvl Chloride
Concen: 0.256 ug/l
RT: 2.95 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 41 Resp: 11057
Ion Ratio Lower Upper
41 100
39 67.1 51.7 77.5

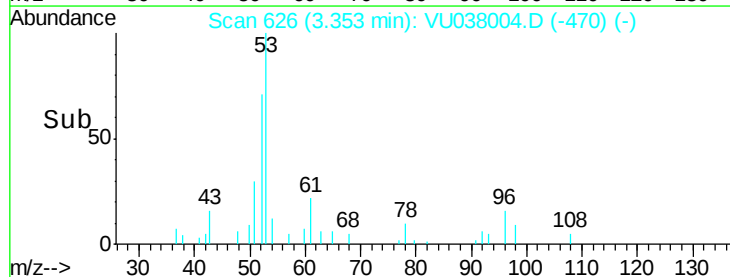
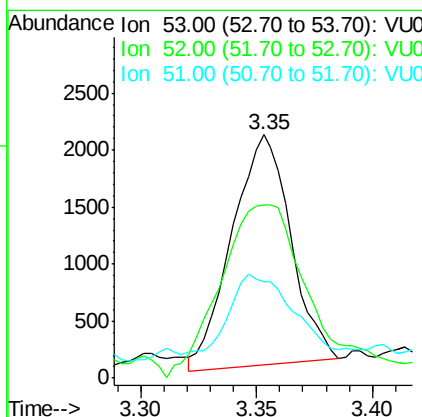
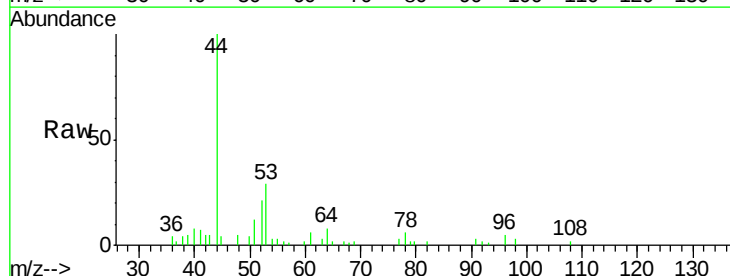
Manual Integrations
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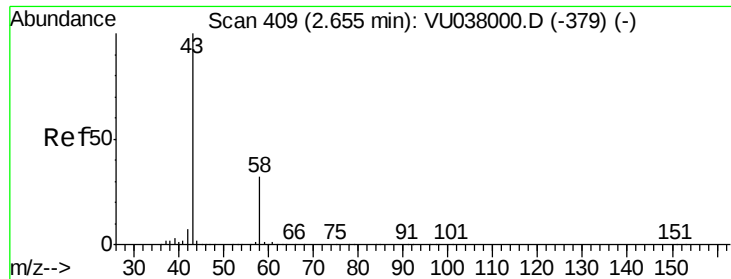
apatel
5/5/2020 11:15:59 AM



#12
Acrylonitrile
Concen: 0.558 ug/l
RT: 3.35 min Scan# 626
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Tgt Ion: 53 Resp: 3557
Ion Ratio Lower Upper
53 100
52 115.8 63.3 94.9#
51 33.6 30.2 45.2





#13

Acetone

Concen: 1.375 ug/l

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 43 Resp: 7010

Ion Ratio Lower Upper

43 100

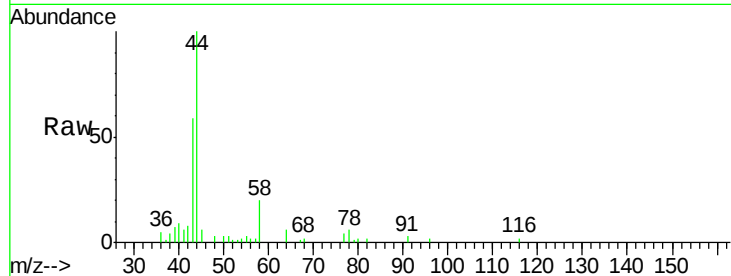
58 36.4 25.2 37.8

Manual Integrations

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apatel

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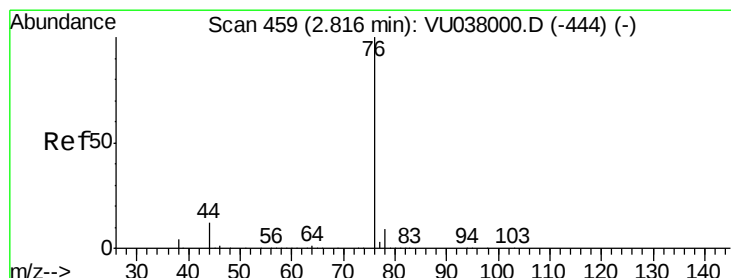
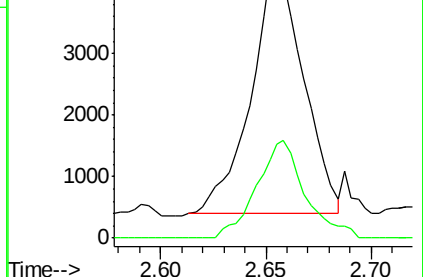
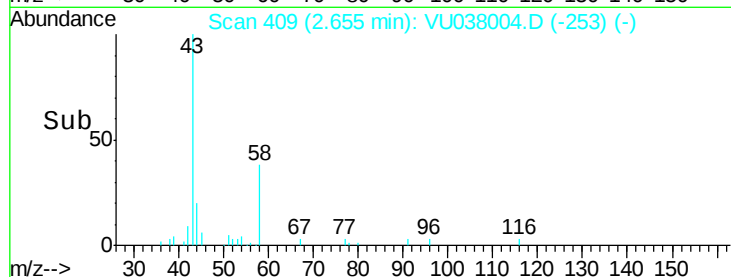


Abundance Ion 43.00 (42.70 to 43.70): VU038004.D (-379) (-)

Ion 58.00 (57.70 to 58.70): VU038004.D (-379) (-)

2.66

Time-->



#14

Carbon Disulfide

Concen: 0.279 ug/l

RT: 2.82 min Scan# 459

Delta R.T. 0.00 min

Lab File: VU038004.D

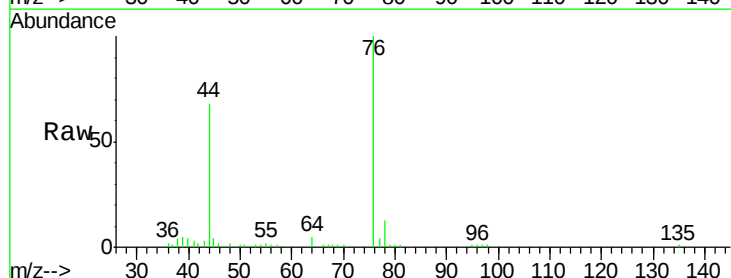
Acq: 04 May 2020 16:23

Tgt Ion: 76 Resp: 23768

Ion Ratio Lower Upper

76 100

78 10.7 7.0 10.6#

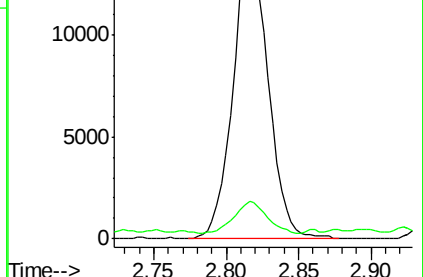
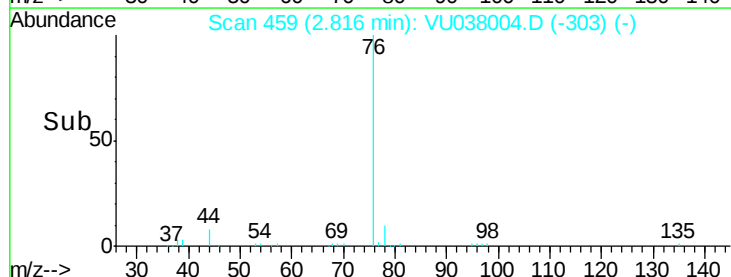


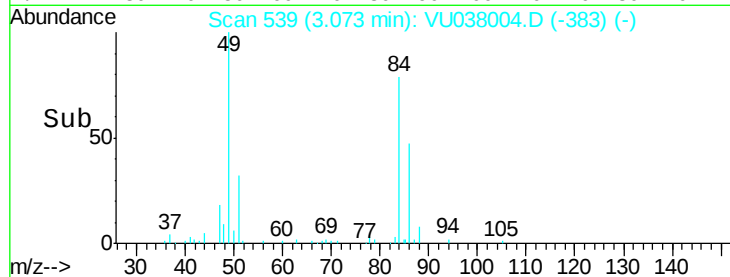
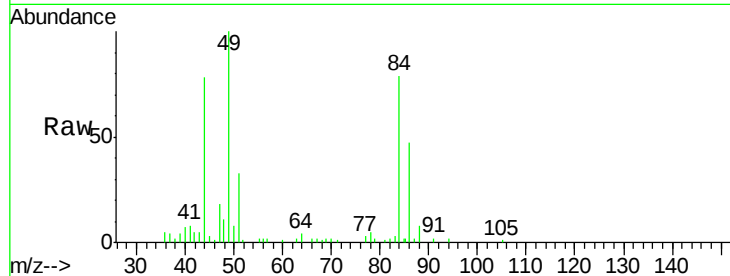
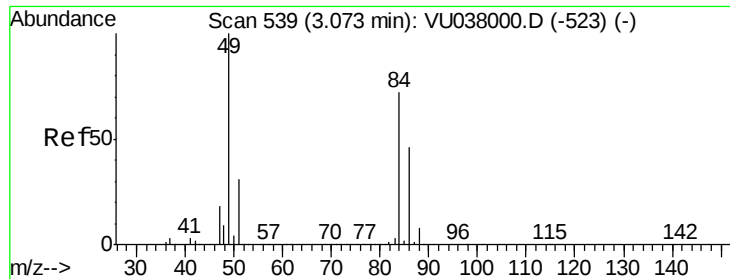
Abundance Ion 76.00 (75.70 to 76.70): VU038004.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU038004.D (-444) (-)

2.82

Time-->





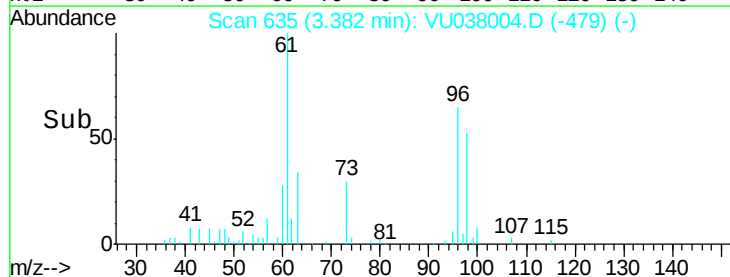
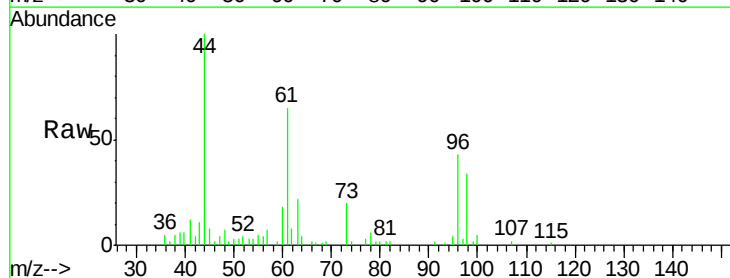
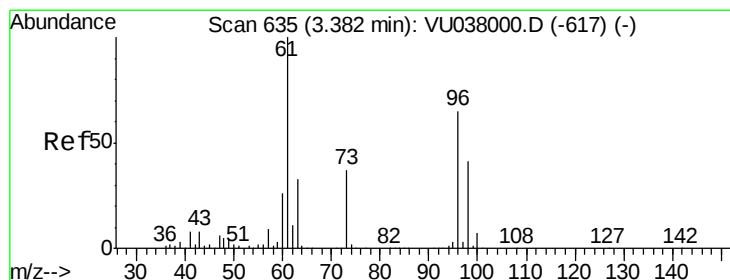
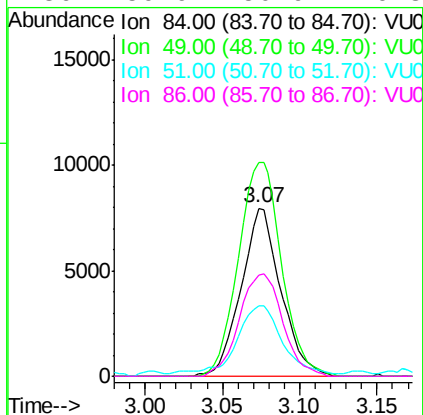
#15
Methvlene Chloride
Concen: 0.441 ug/l
RT: 3.07 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Tot Ion:	84	Resp:	14223
Ion	Ratio	Lower	Upper
84	100		
49	127.3	110.6	166.0
51	40.5	0.0	85.4
86	59.9	50.9	76.3

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

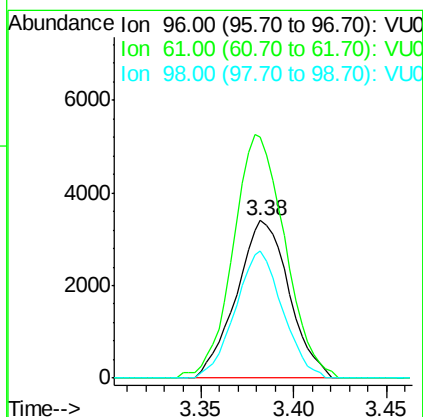
Manual Integrations
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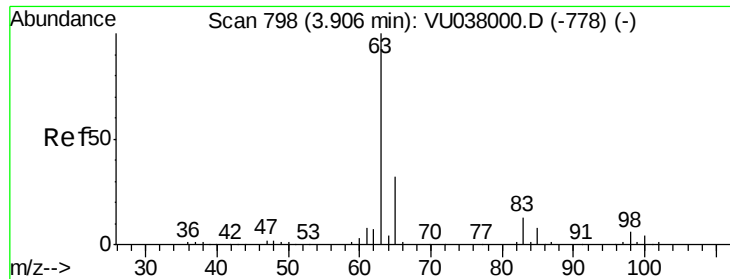
apatel
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#16
trans-1,2-Dichloroethene
Concen: 0.264 ug/l
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Tgt Ion:	96	Resp:	6730
Ion	Ratio	Lower	Upper
96	100		
61	153.0	122.4	183.6
98	80.5	50.1	75.1#





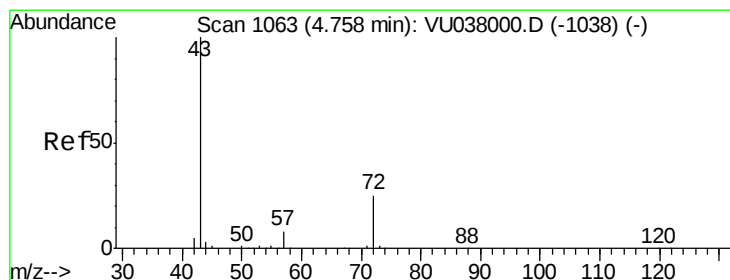
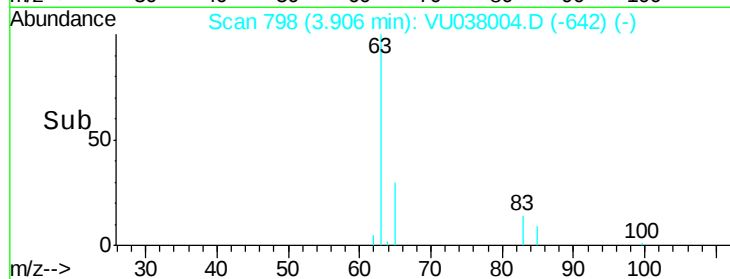
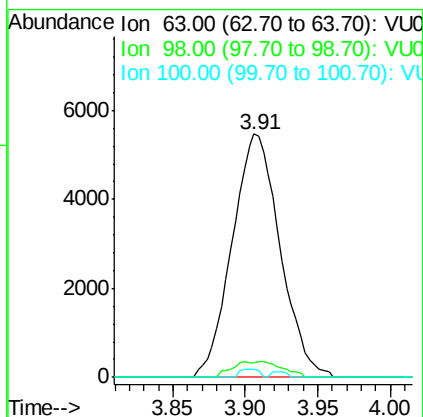
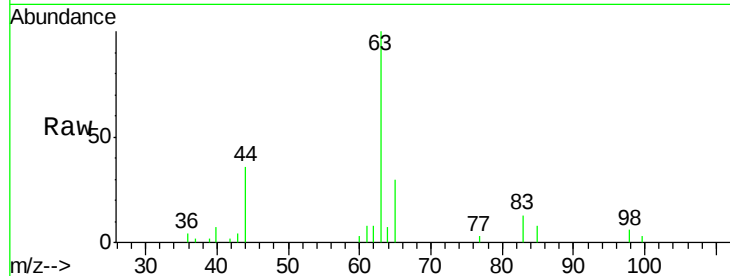
#17
 1,1-Dichloroethane
 Concen: 0.259 ug/l
 RT: 3.91 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion:	63	Resp:	12557
Ion Ratio	Lower	Upper	
63	100		
98	6.1	3.1	9.4
100	3.5	2.2	6.6

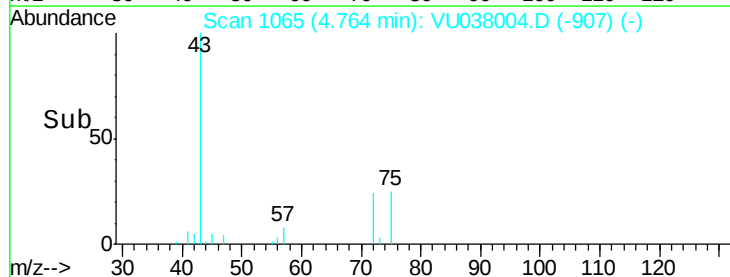
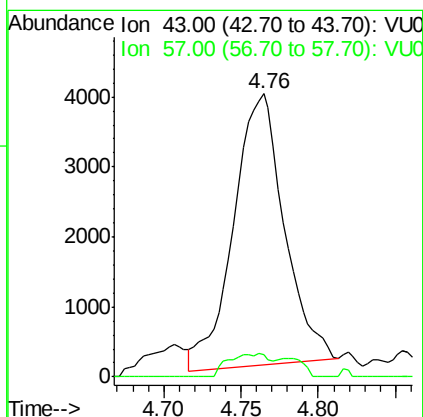
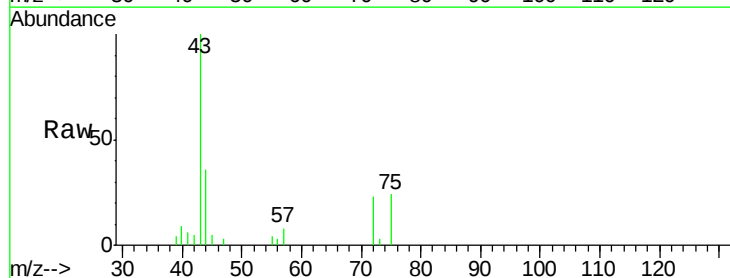
Manual Integrations
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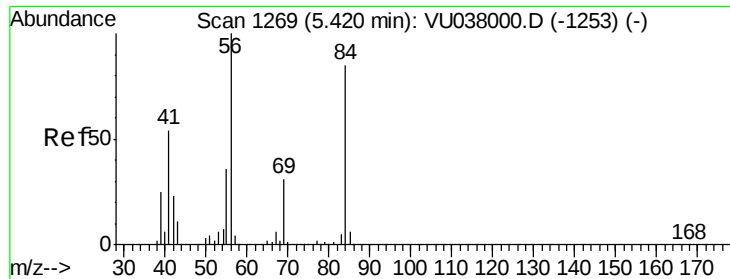
apatel
 5/5/2020 11:15:59 AM



#18
 2-Butanone
 Concen: 1.162 ug/l
 RT: 4.76 min Scan# 1065
 Delta R.T. 0.01 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Tgt Ion:	43	Resp:	8883
Ion Ratio	Lower	Upper	
43	100		
57	8.4	0.0	16.6





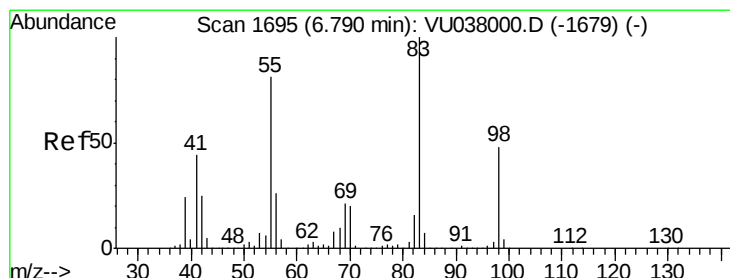
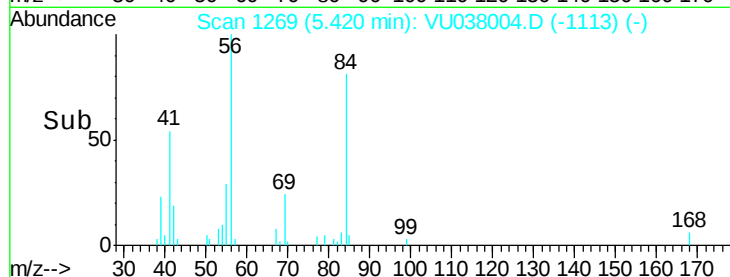
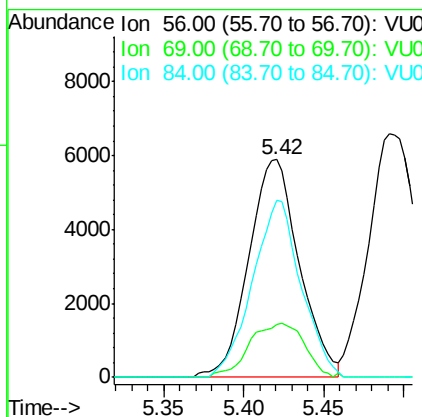
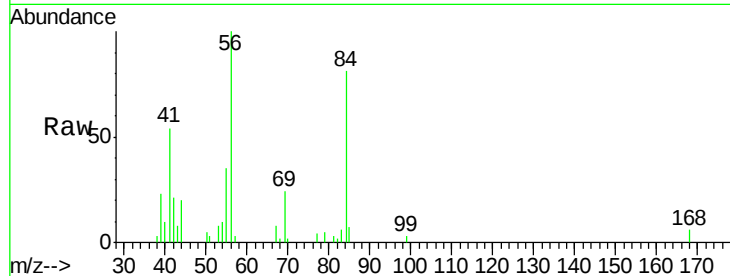
#19
Cyclohexane
Concen: 0.276 ug/l m
RT: 5.42 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.1	24.3	36.5
84	77.8	66.3	99.5

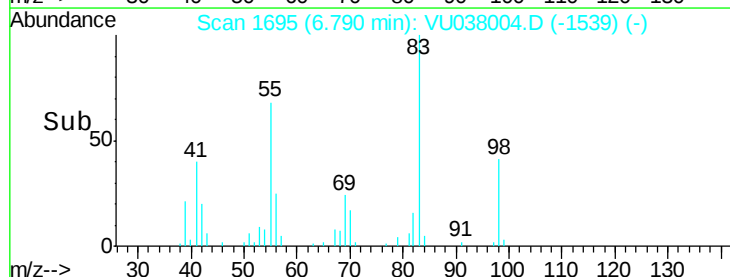
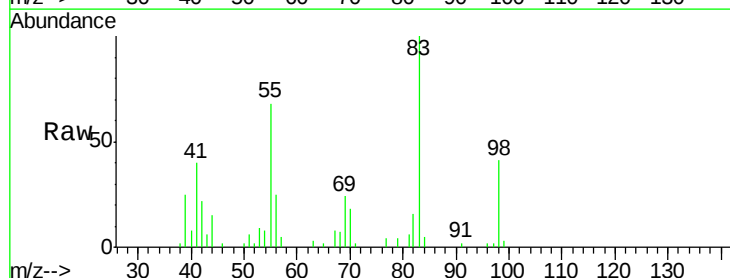
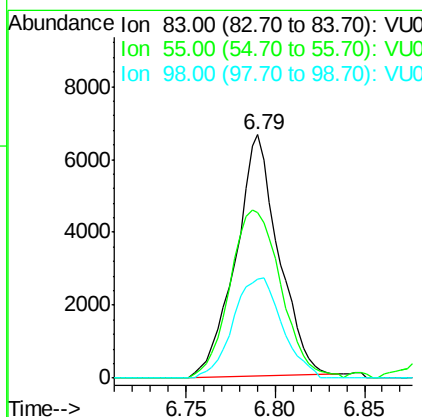
Manual Integrations
APPROVED

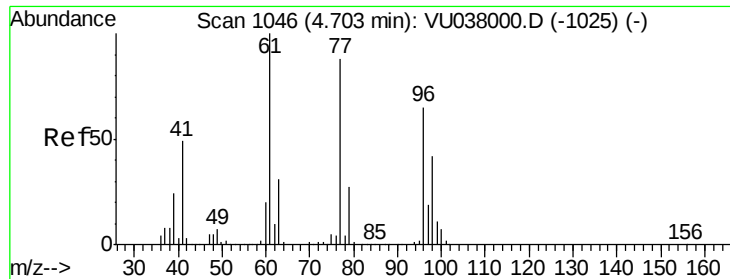
apatel
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#20
Methylcyclohexane
Concen: 0.242 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.7	61.5	92.3
98	47.1	37.3	55.9





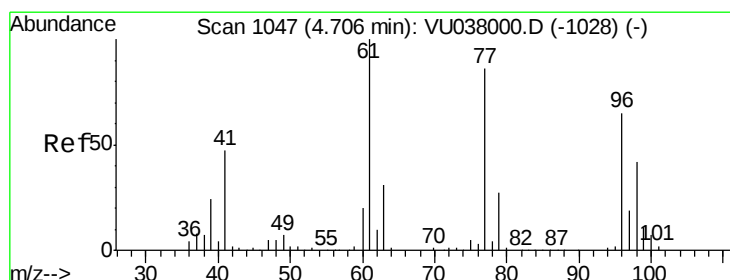
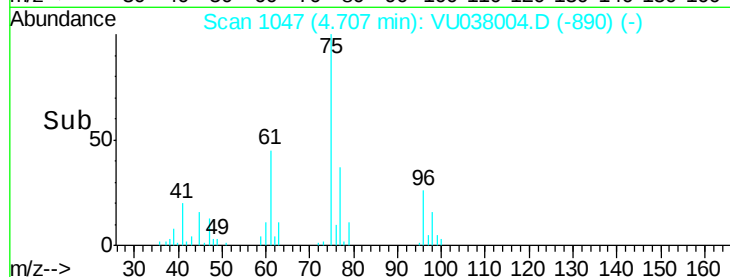
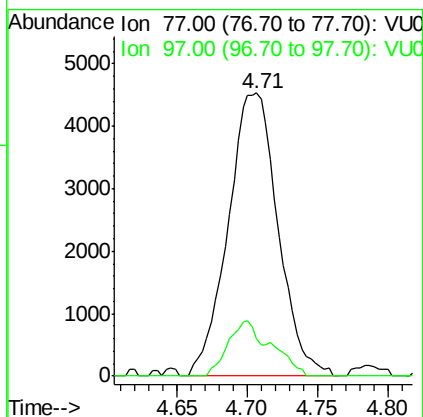
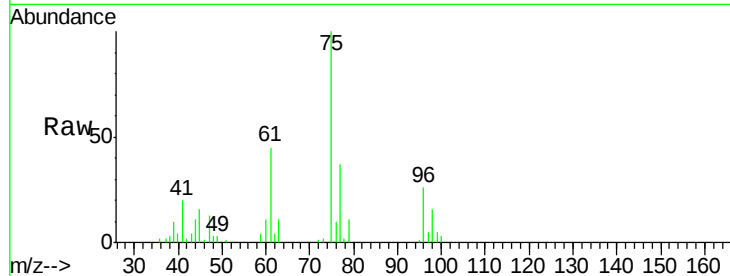
#21
 2,2-Dichloropropane
 Concen: 0.277 ug/l
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion: 77 Resp: 11206
 Ion Ratio Lower Upper
 77 100
 97 16.9 17.4 26.2#

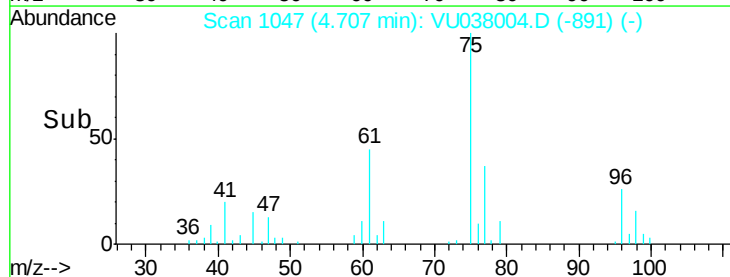
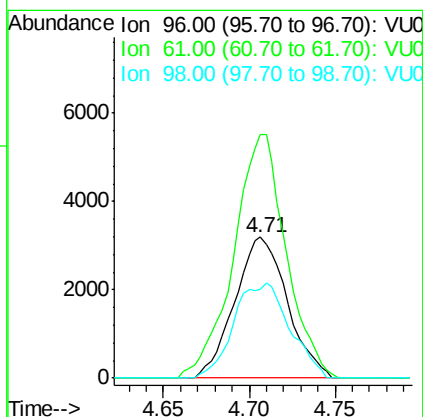
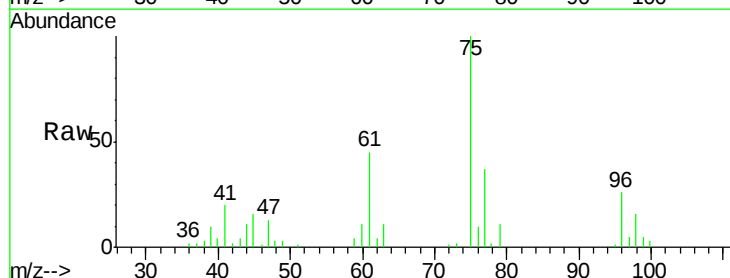
Manual Integrations
 APPROVED

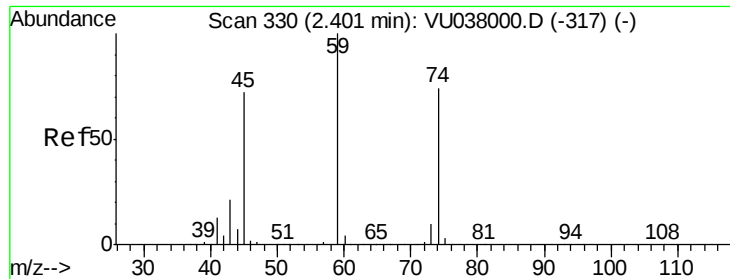
apatel
 5/5/2020 11:15:59 AM



#22
 cis-1,2-Dichloroethene
 Concen: 0.251 ug/l
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Tgt Ion: 96 Resp: 6779
 Ion Ratio Lower Upper
 96 100
 61 172.1 0.0 389.3
 98 71.8 32.1 96.3





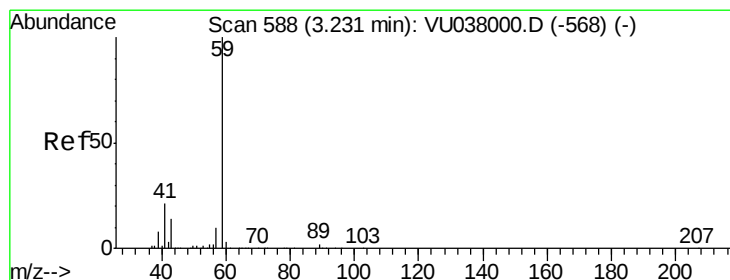
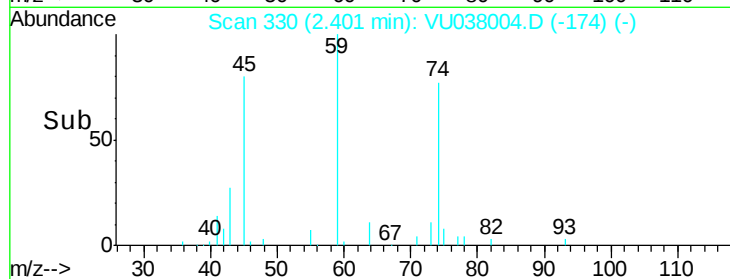
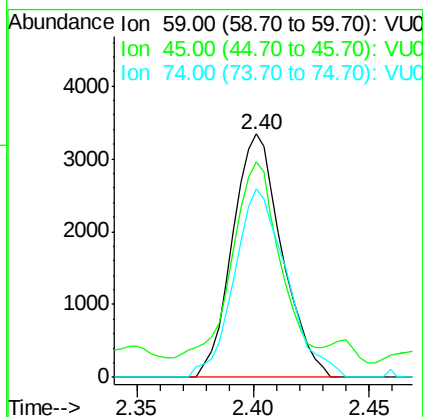
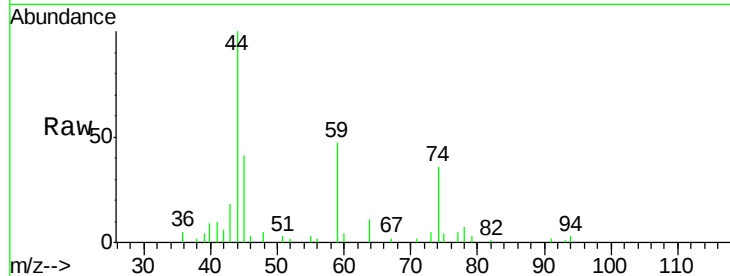
#23
Diethyl Ether
Concen: 0.240 ug/l
RT: 2.40 min Scan# 330
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
59	100		
45	74.9	59.8	89.6
74	82.2	58.2	87.4

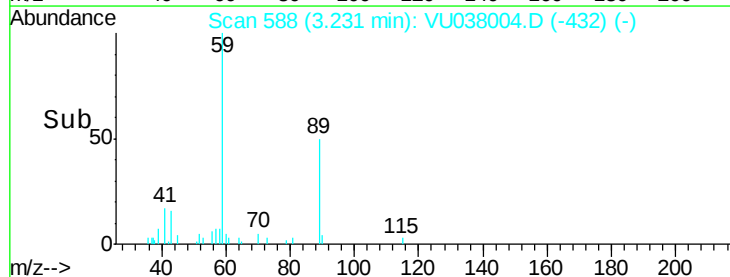
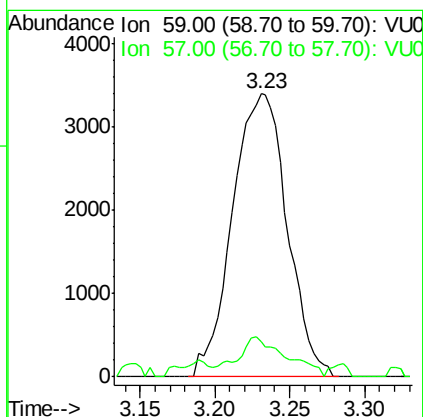
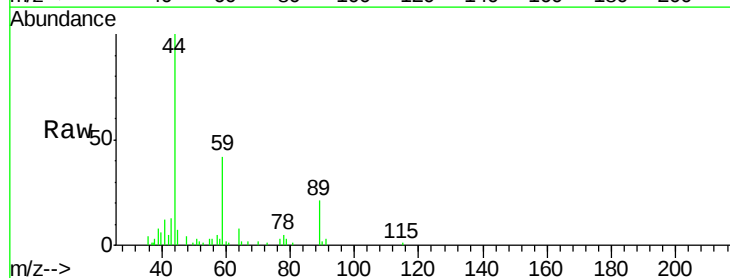
Manual Integrations
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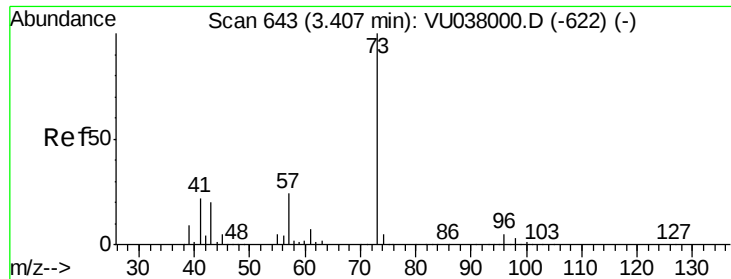
apatel
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#24
tert-Butyl Alcohol
Concen: 3.801 ug/l
RT: 3.23 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Tgt Ion	Ratio	Lower	Upper
59	100		
57	12.6	8.2	12.4#





#25

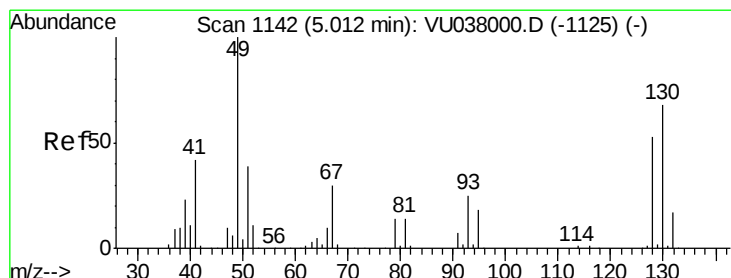
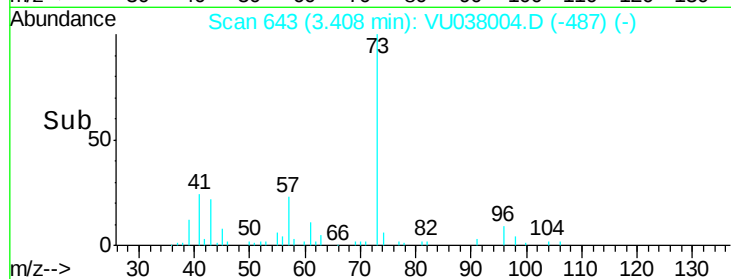
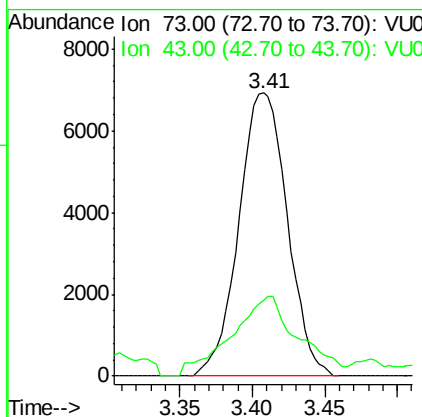
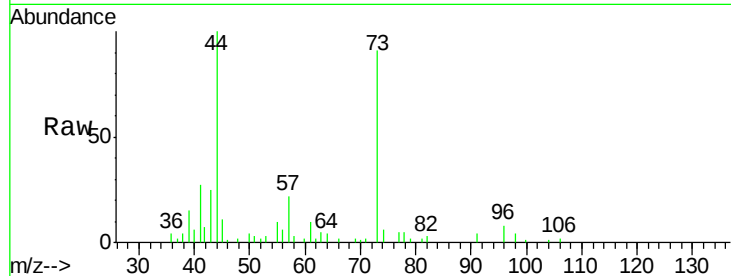
Methyl tert-Butyl Ether
 Concen: 0.252 ug/l
 RT: 3.41 min Scan# 643
 Delta R.T. 0.00 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion: 73 Resp: 16120
 Ion Ratio Lower Upper
 73 100
 43 39.2 16.2 24.2#

Manual Integrations
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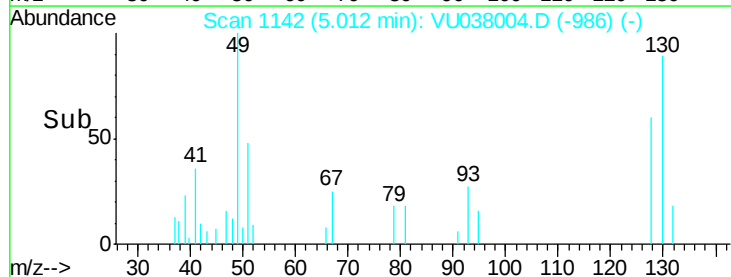
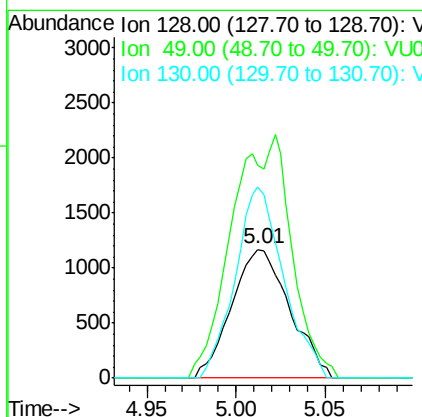
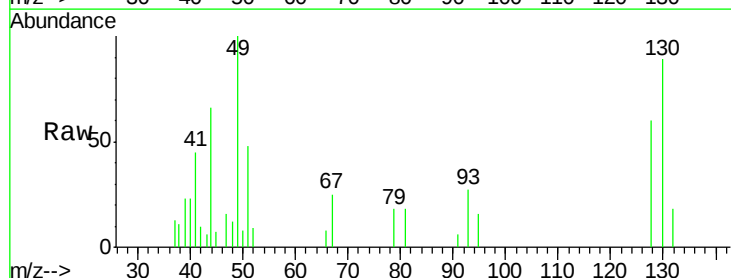
apatel
 5/5/2020 11:15:59 AM

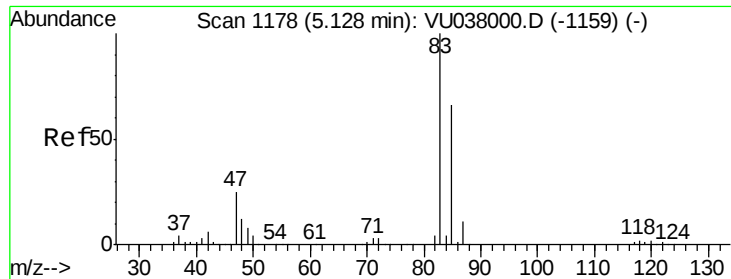


#26

Bromochloromethane
 Concen: 0.244 ug/l
 RT: 5.01 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Tgt Ion: 128 Resp: 2647
 Ion Ratio Lower Upper
 128 100
 49 111.0 0.0 376.0
 130 124.3 102.6 153.8





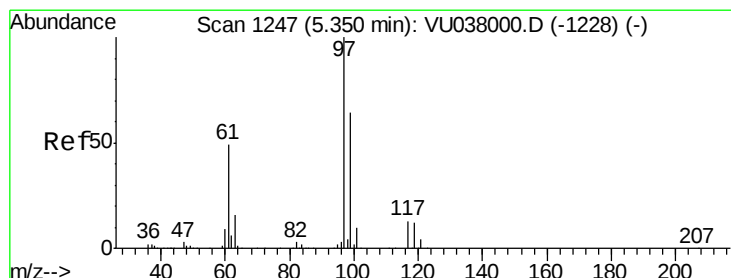
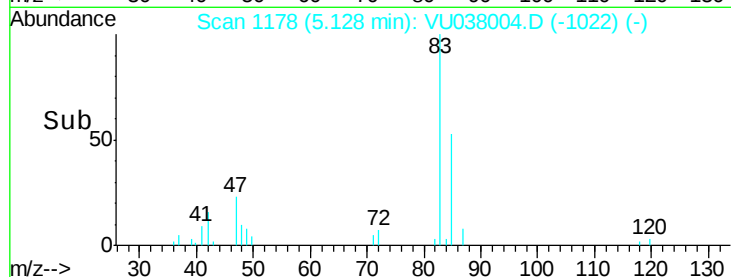
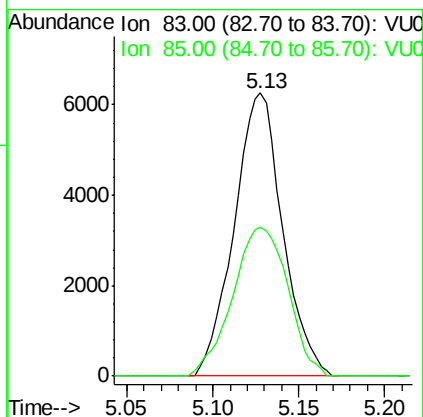
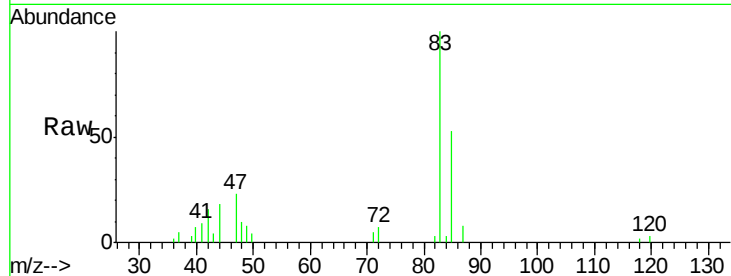
#27
Chloroform
Concen: 0.271 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	83	Resp	12282
Ion Ratio	100	Lower	Upper
85	52.7	0.0	132.0

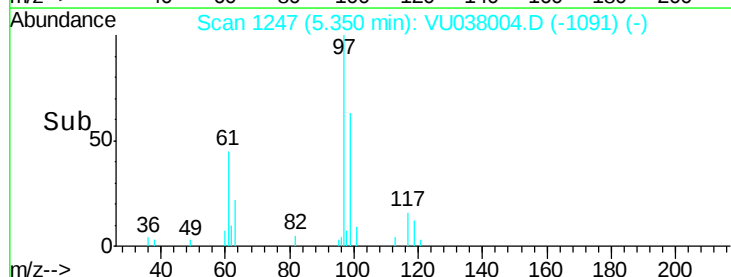
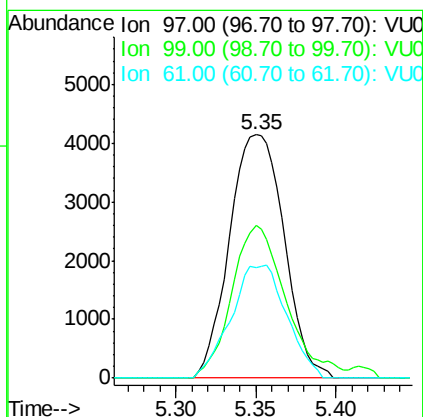
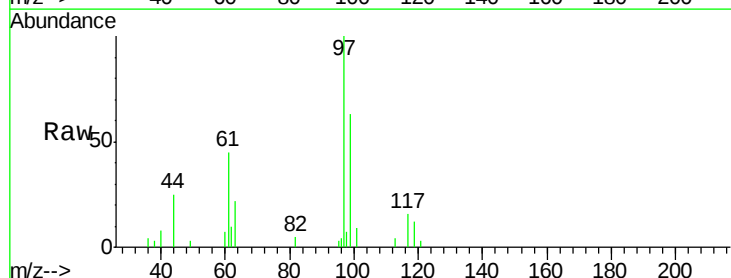
Manual Integrations
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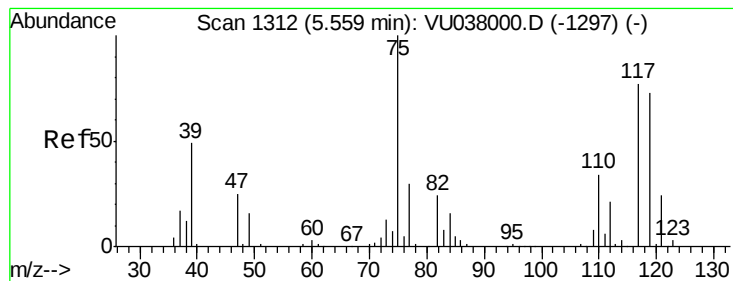
apatel
5/5/2020 11:15:59 AM



#28
1,1,1-Trichloroethane
Concen: 0.259 ug/l
RT: 5.35 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Tgt Ion	97	Resp	9675
Ion Ratio	100	Lower	Upper
99	62.8	31.9	95.9
61	47.2	24.1	72.4





#29

1,1-Dichloropropene

Concen: 0.271 ug/l

RT: 5.56 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

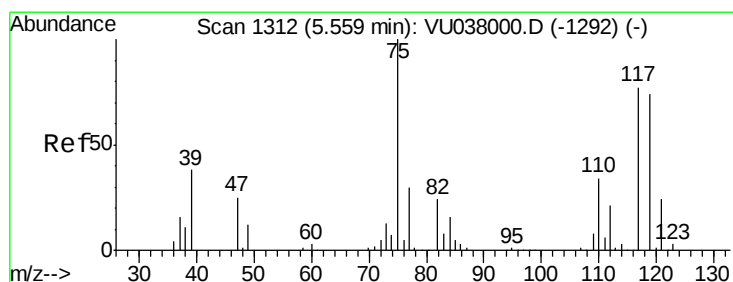
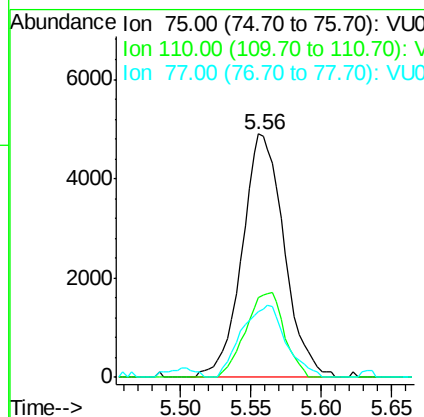
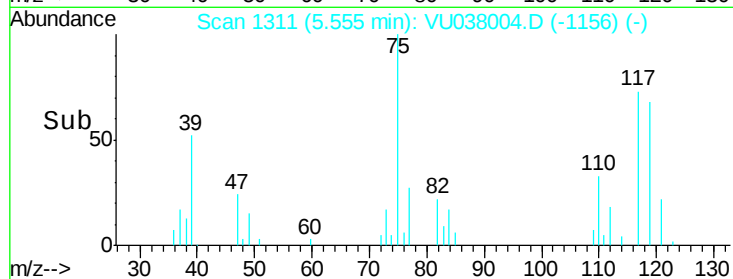
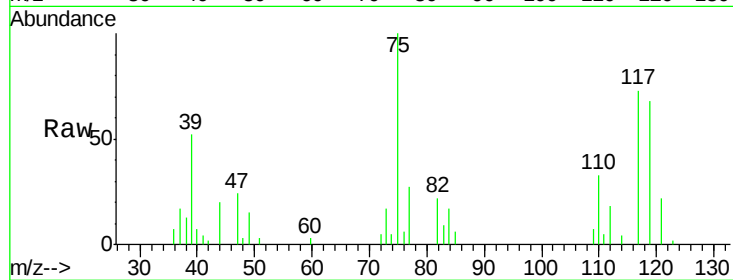
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	75	Resp:	10216
Ion Ratio	Lower	Upper	
75	100		
110	31.9	16.7	50.1
77	31.1	24.5	36.7

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#30

Carbon Tetrachloride

Concen: 0.249 ug/l

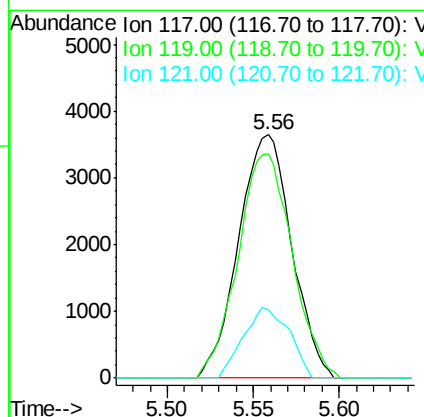
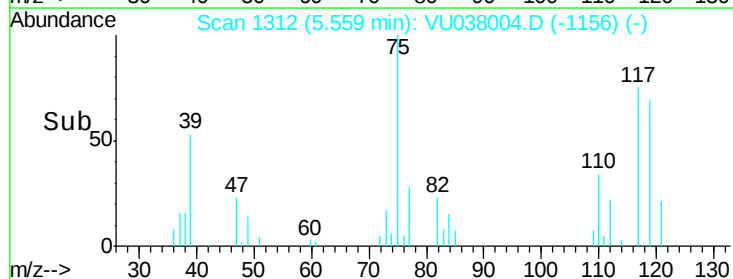
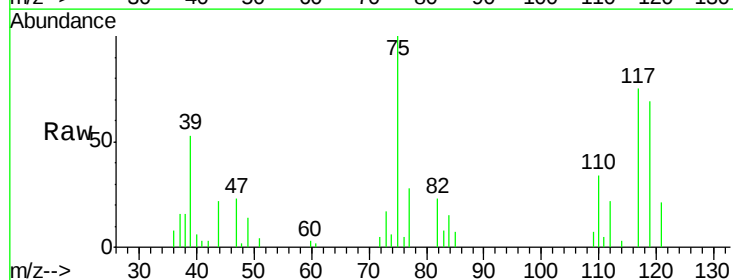
RT: 5.56 min Scan# 1312

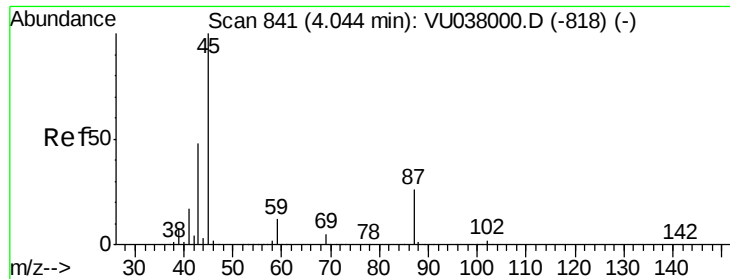
Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Tgt Ion:	117	Resp:	7809
Ion Ratio	Lower	Upper	
117	100		
119	92.4	76.3	114.5
121	28.1	24.7	37.1





#31

Isopropyl Ether

Concen: 0.244 ug/l

RT: 4.05 min Scan# 843

Delta R.T. 0.01 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 45 Resp: 19467

Ion Ratio Lower Upper

45 100

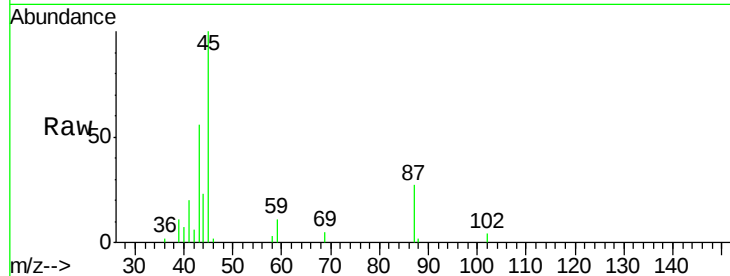
43 52.4 24.2 72.6

Manual Integrations

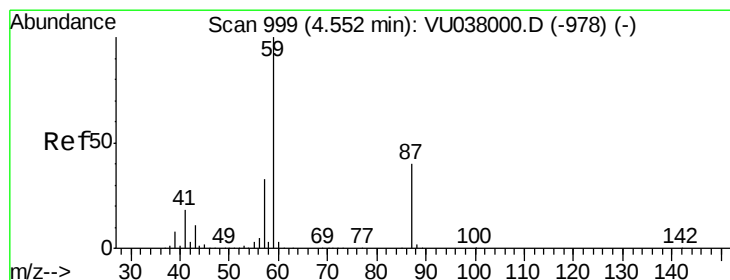
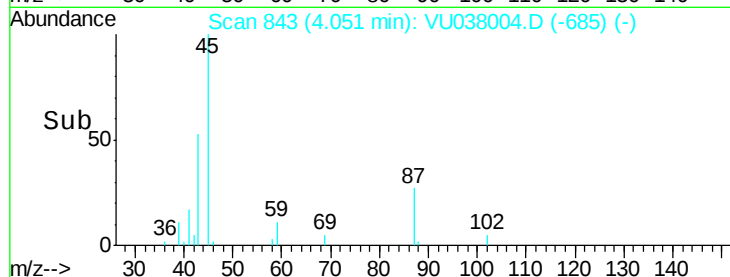
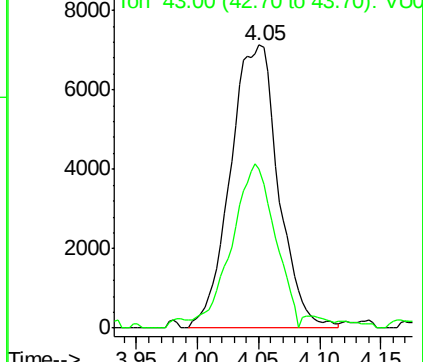
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Abundance Ion 45.00 (44.70 to 45.70): VU038000.D (-818) (-)



#32

Ethyl-t-butyl ether

Concen: 0.247 ug/l

RT: 4.56 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VU038004.D

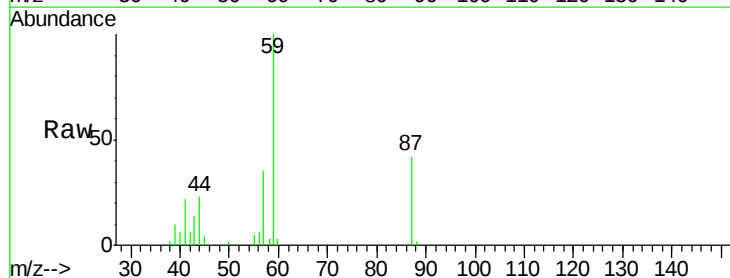
Acq: 04 May 2020 16:23

Tgt Ion: 59 Resp: 17784

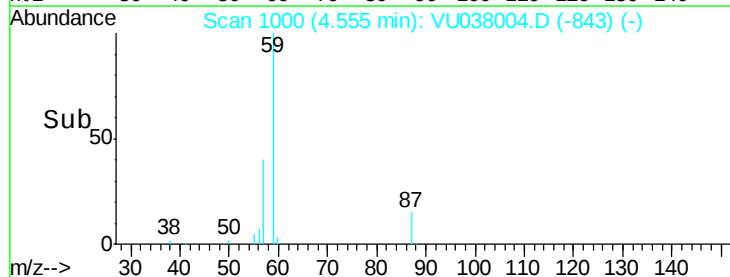
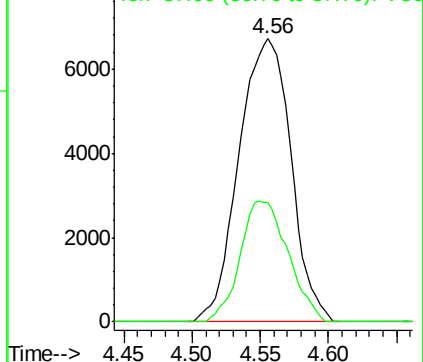
Ion Ratio Lower Upper

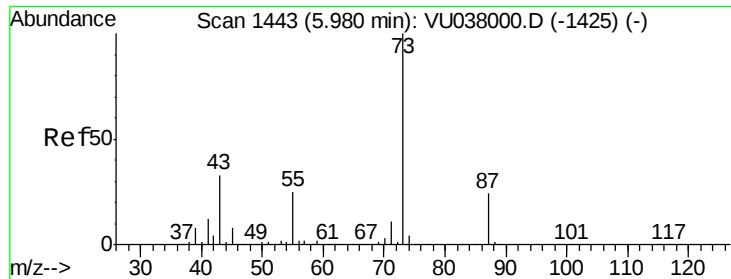
59 100

87 39.3 32.4 48.6



Abundance Ion 59.00 (58.70 to 59.70): VU038000.D (-978) (-)





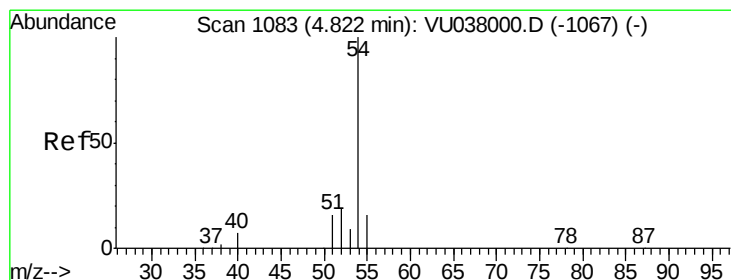
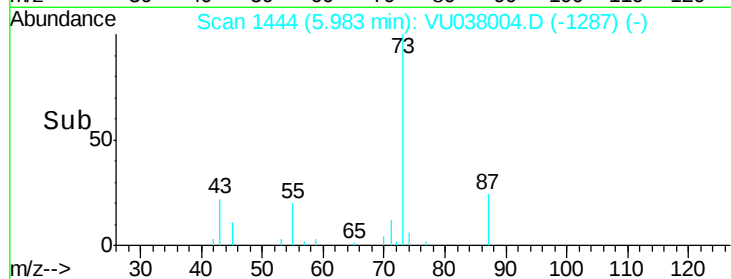
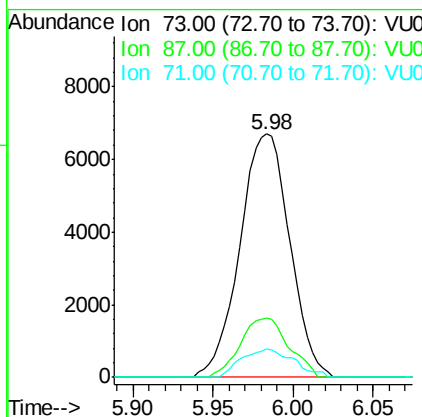
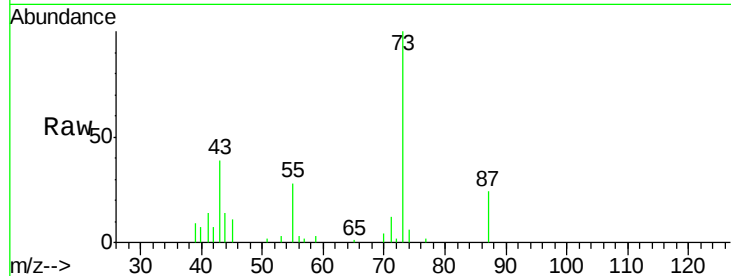
#33
Tert-Butyl methyl ether
Concen: 0.231 ug/l
RT: 5.98 min Scan# 1444
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.5	18.9	28.3
71	12.2	9.1	13.7

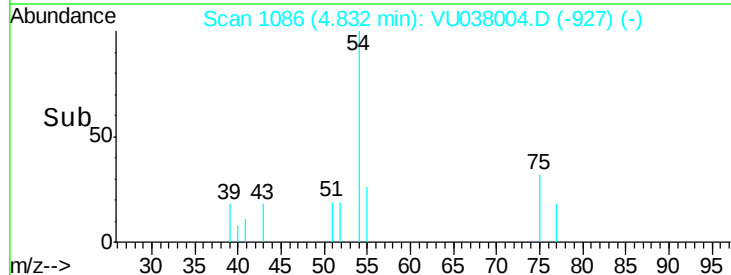
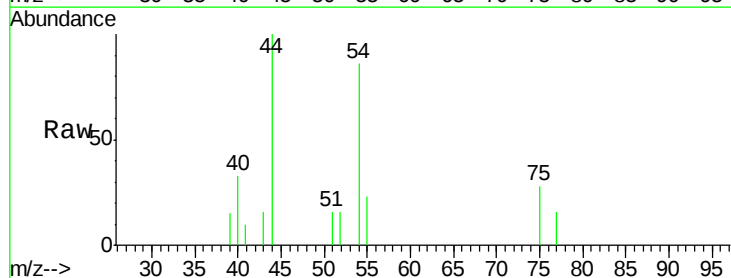
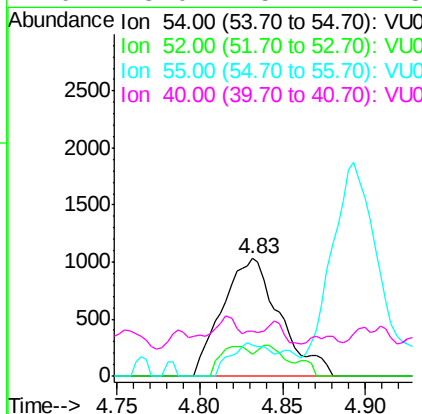
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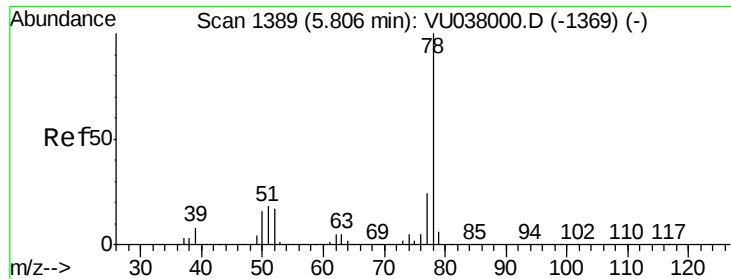
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#34
Propionitrile
Concen: 1.136 ug/l
RT: 4.83 min Scan# 1086
Delta R.T. 0.01 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Tgt Ion	Ratio	Lower	Upper
54	100		
52	13.5	15.8	23.8#
55	18.9	13.2	19.8
40	5.0	5.2	7.8#





#35

Benzene

Concen: 0.260 ug/l

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 78 Resp: 27377

Ion Ratio Lower Upper

78 100

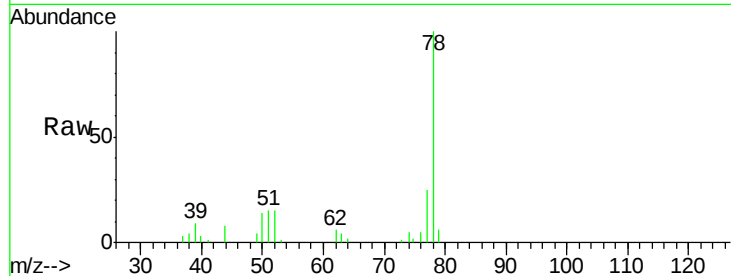
77 25.3 19.3 28.9

Manual Integrations

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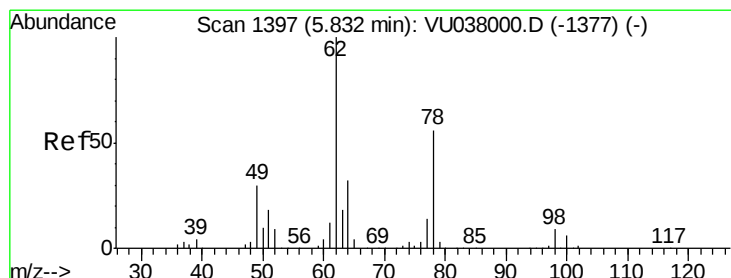
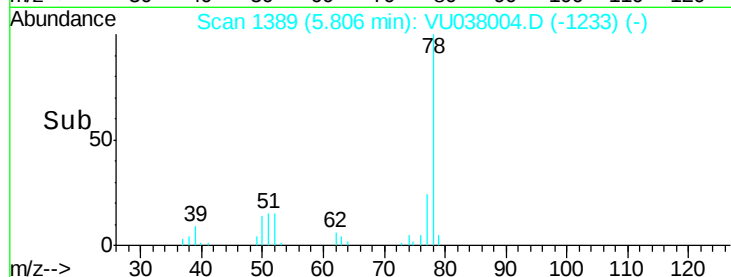
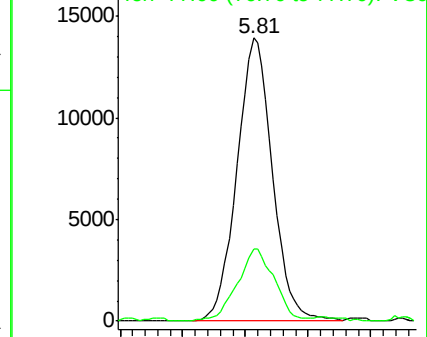
apatel

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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 0.258 ug/l

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU038004.D

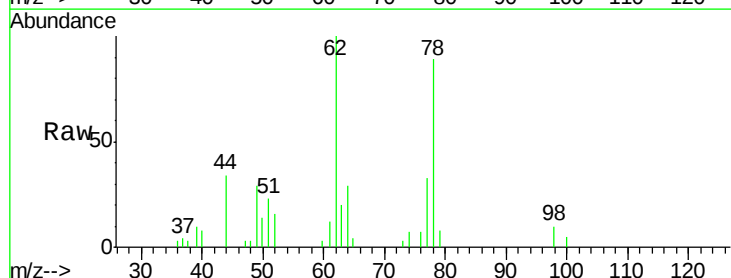
Acq: 04 May 2020 16:23

Tgt Ion: 62 Resp: 8050

Ion Ratio Lower Upper

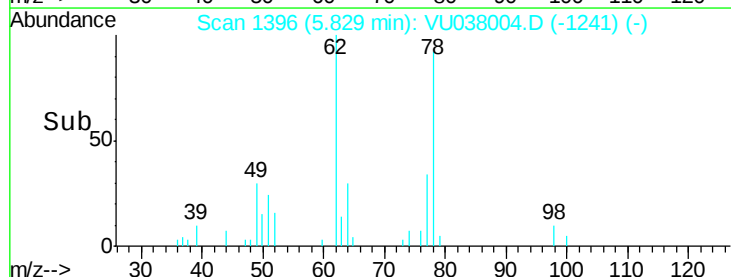
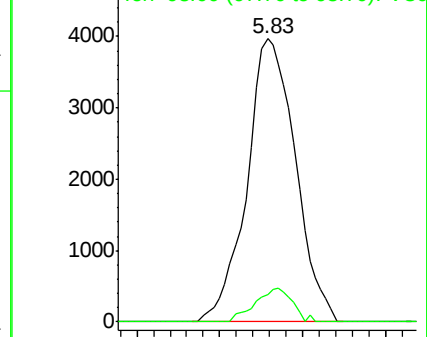
62 100

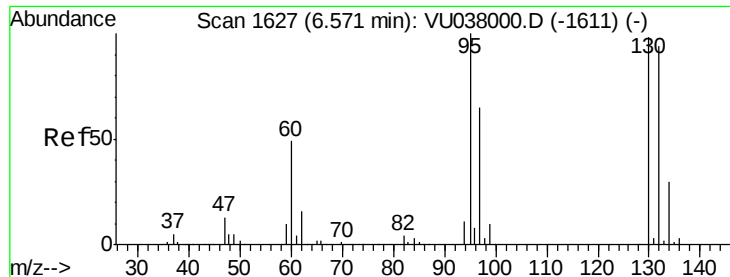
98 9.2 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





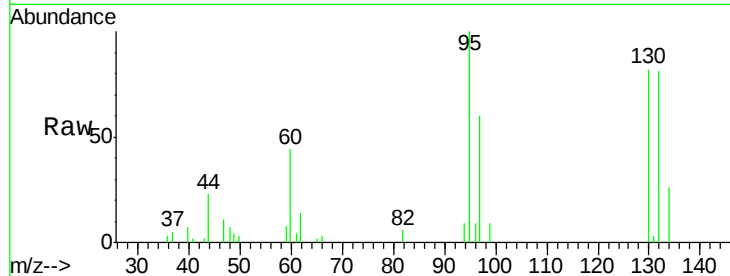
#37
 Trichloroethene
 Concen: 0.282 ug/l
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

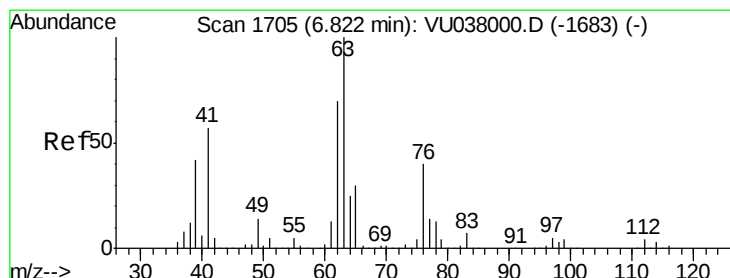
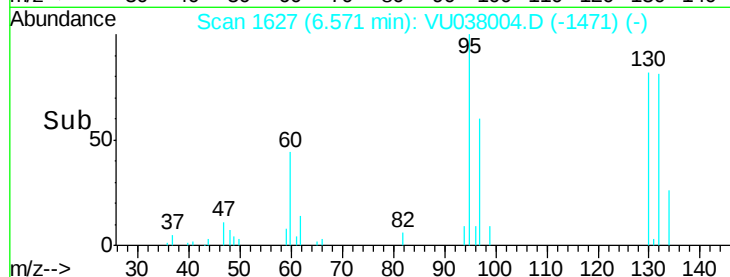
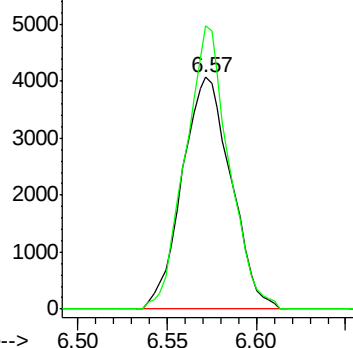
Tot Ion:130 Resp: 7792
 Ion Ratio Lower Upper
 130 100
 95 122.1 81.6 122.4

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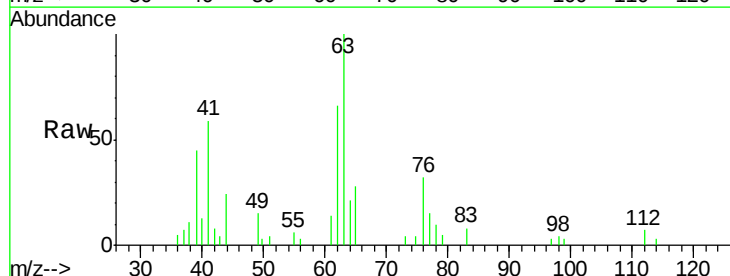


Abundance Ion 129.90 (129.60 to 130.60): VU038000.D (-1611) (-)
 Ion 94.90 (94.60 to 95.60): VU038000.D (-1611) (-)

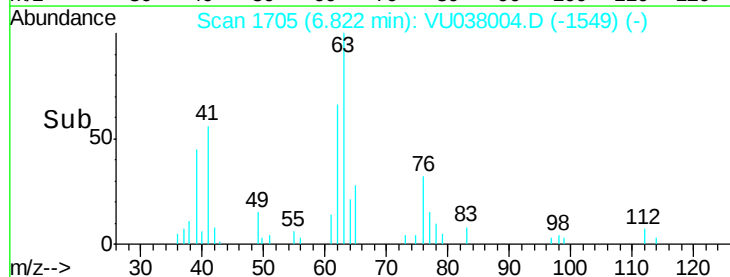
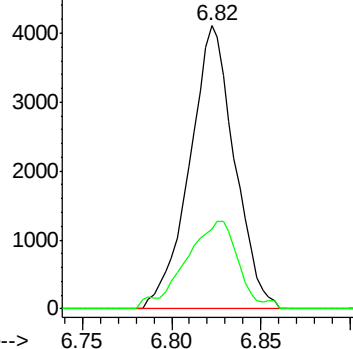


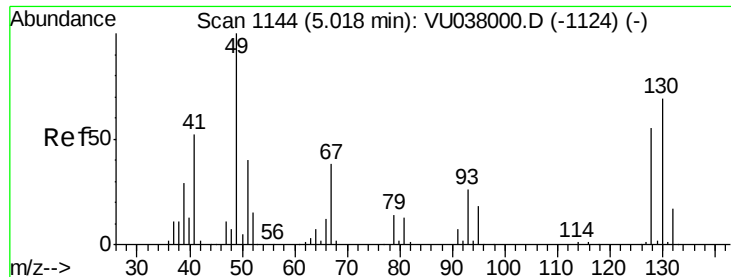
#38
 1,2-Dichloropropane
 Concen: 0.254 ug/l
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Tgt Ion: 63 Resp: 7209
 Ion Ratio Lower Upper
 63 100
 65 28.4 24.1 36.1



Abundance Ion 63.00 (62.70 to 63.70): VU038000.D (-1683) (-)
 Ion 65.00 (64.70 to 65.70): VU038000.D (-1683) (-)





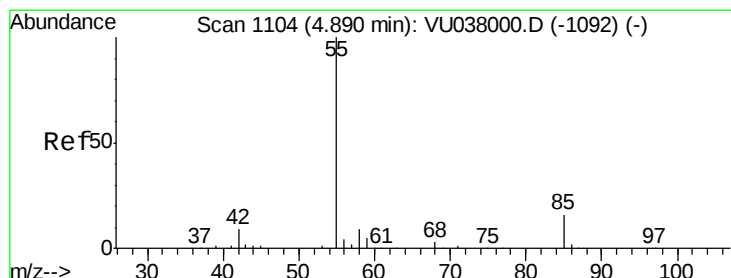
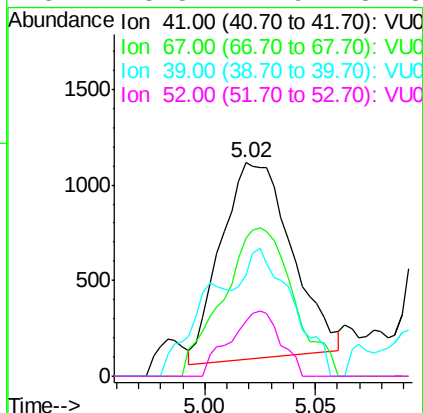
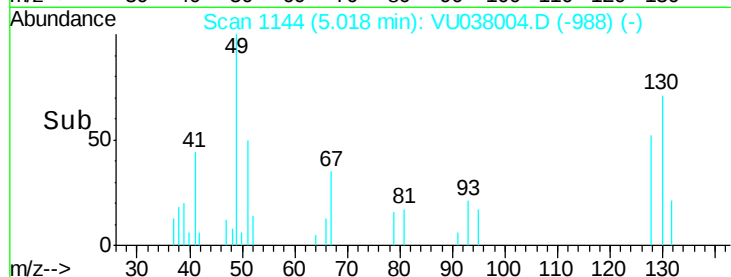
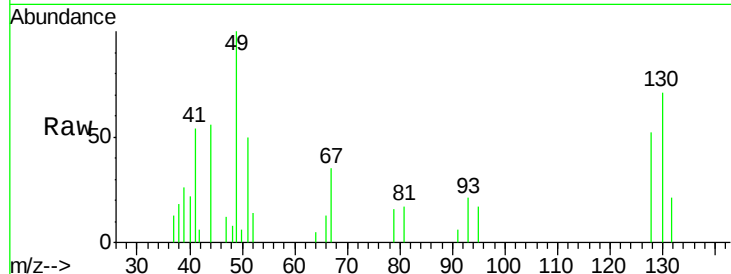
#39
Methacrylonitrile
Concen: 0.221 ug/l
RT: 5.02 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	41	Resp:	2269
Ion	Ratio	Lower	Upper
41	100		
67	75.6	58.0	87.0
39	43.2	43.2	64.8
52	23.8	22.9	34.3

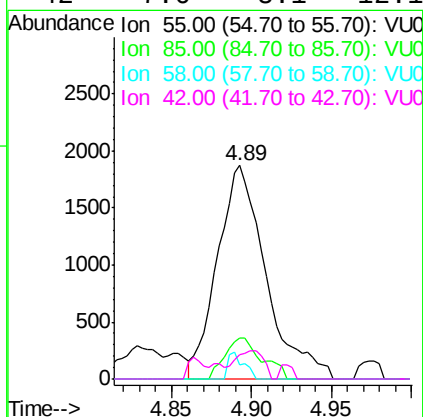
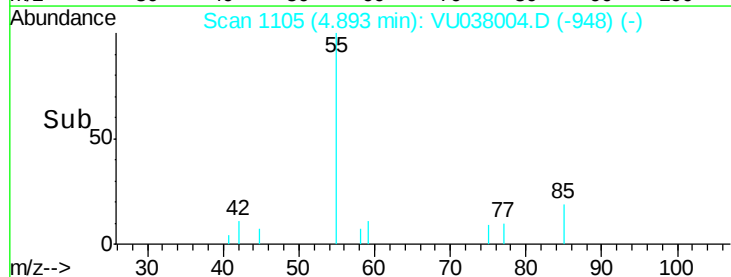
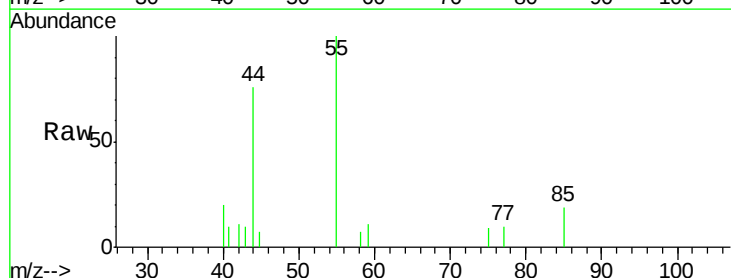
Manual Integrations
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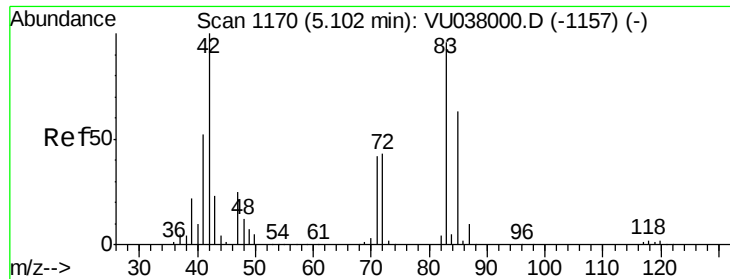
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#40
Methyl acrylate
Concen: 0.258 ug/l
RT: 4.89 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Tgt Ion	55	Resp:	3897
Ion	Ratio	Lower	Upper
55	100		
85	14.6	12.9	19.3
58	4.1	7.2	10.8#
42	7.6	8.1	12.1#





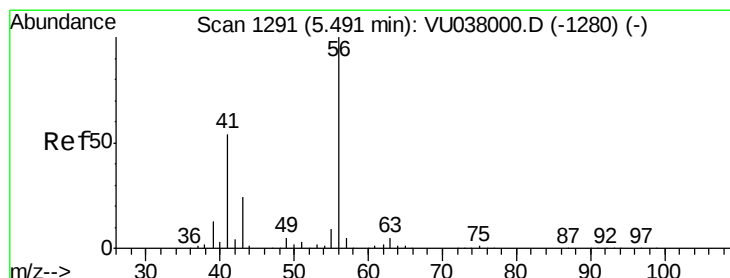
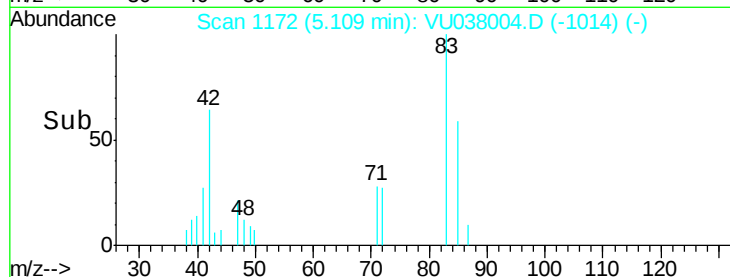
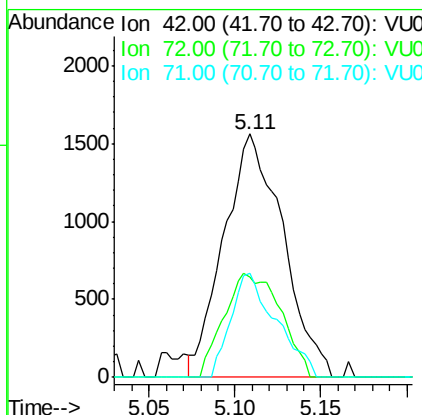
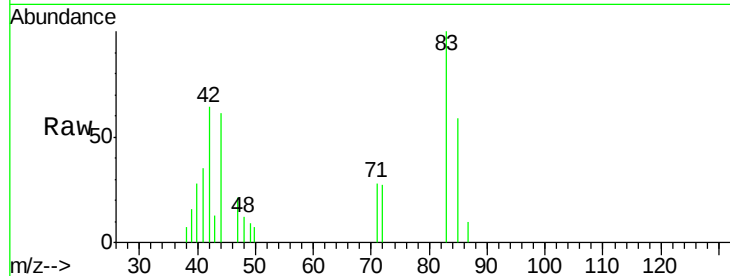
#41
Tetrahydrofuran
Concen: 0.731 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	37.4	56.2
71	32.7	32.8	49.2#

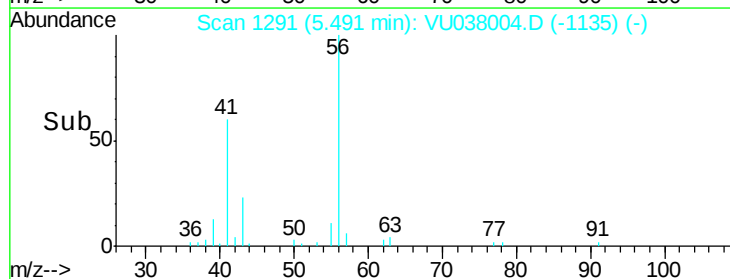
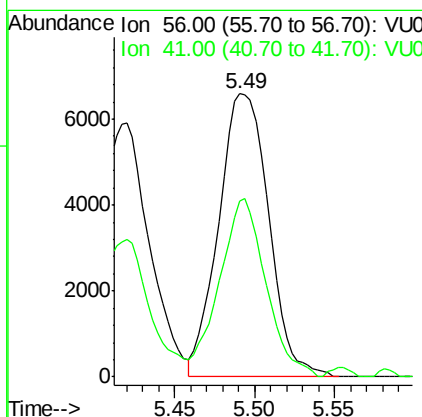
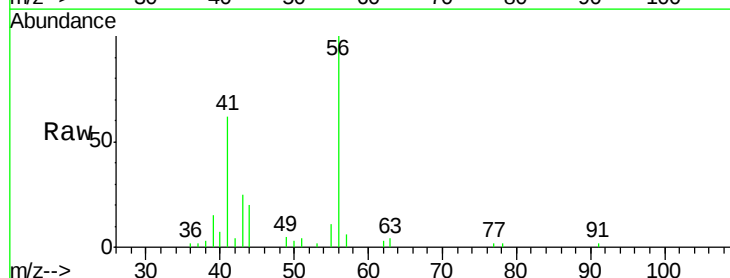
Manual Integrations
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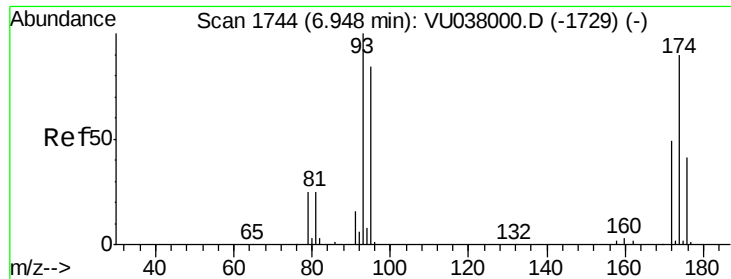
apatel
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#42
1-Chlorobutane
Concen: 0.261 ug/l
RT: 5.49 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Tgt Ion	Ratio	Lower	Upper
56	100		
41	58.3	26.8	80.4





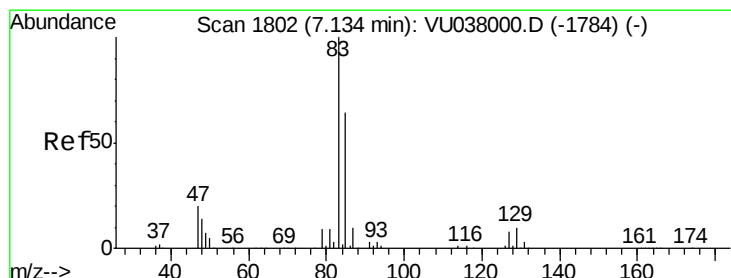
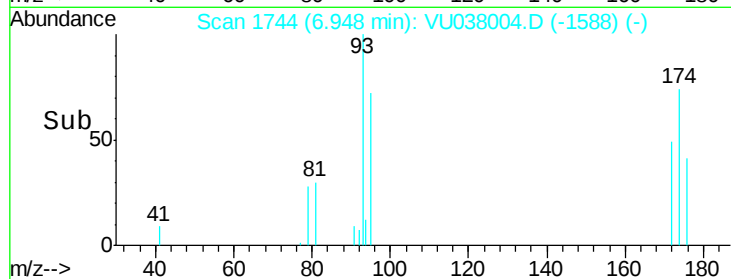
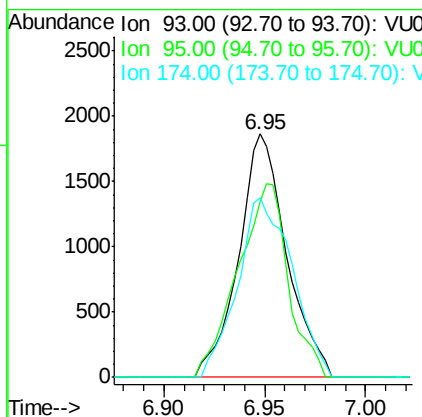
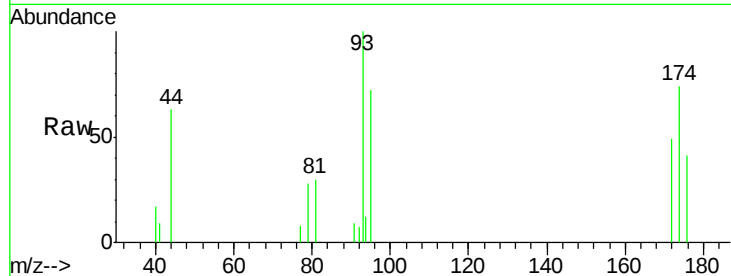
#43
 Dibromomethane
 Concen: 0.234 ug/l
 RT: 6.95 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.1	99.1
174	84.1	72.8	109.2

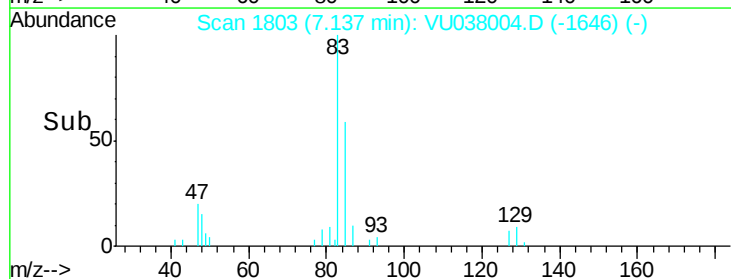
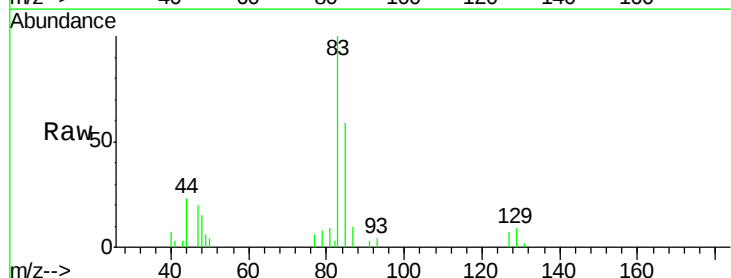
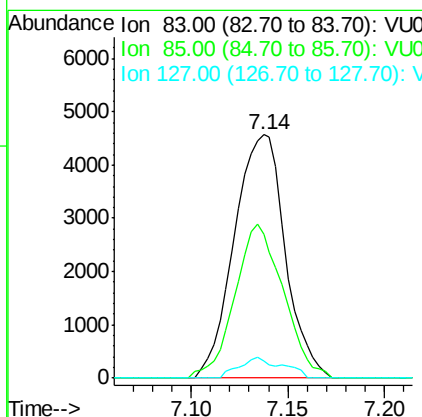
Manual Integrations
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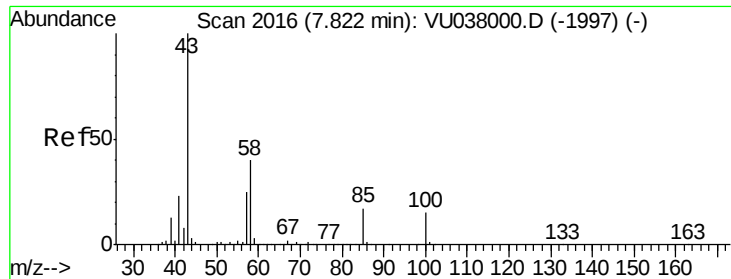
apatel
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#44
 Bromodichloromethane
 Concen: 0.252 ug/l
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.8	51.4	77.0
127	7.2	6.2	9.2





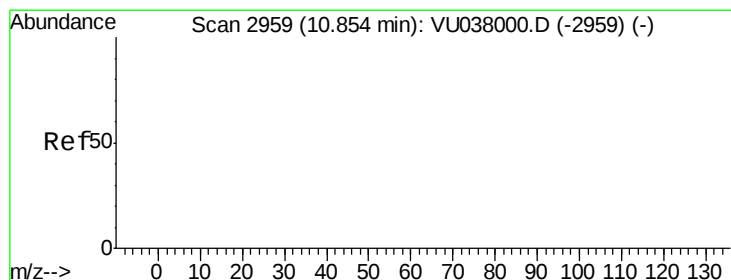
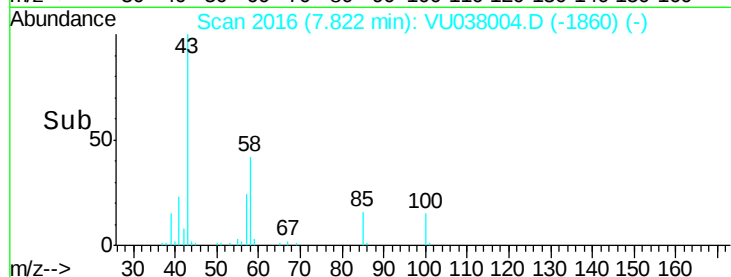
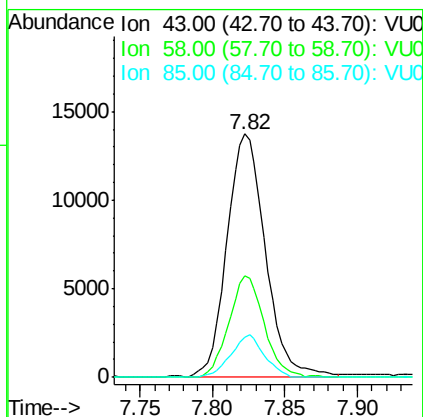
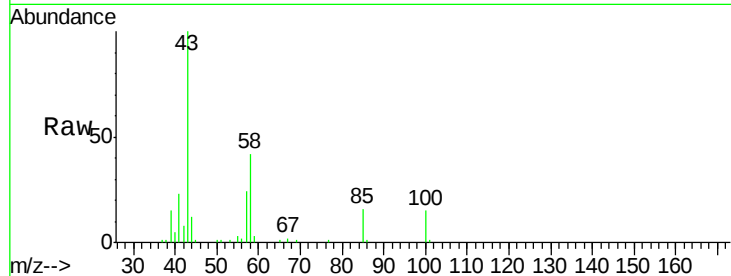
#45
4-Methyl-2-Pentanone
Concen: 1.410 ug/l
RT: 7.82 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	20.1	60.3
85	15.0	13.7	20.5

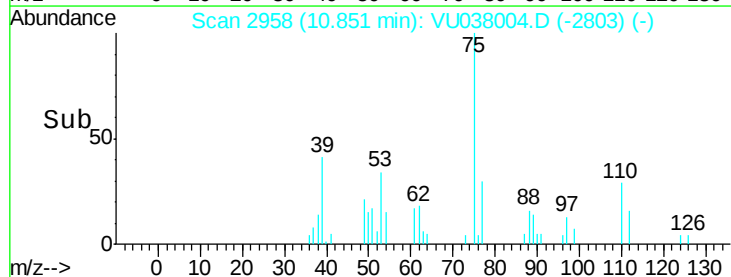
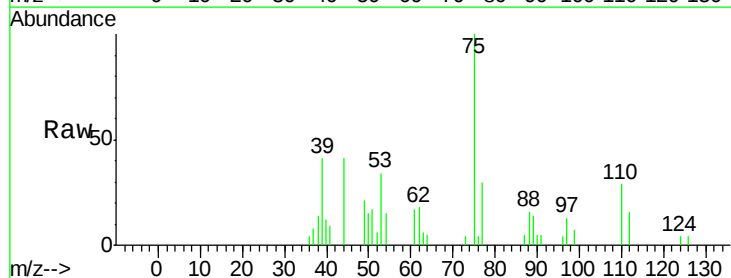
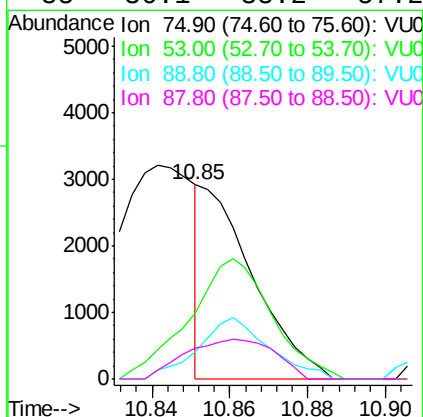
Manual Integrations
APPROVED

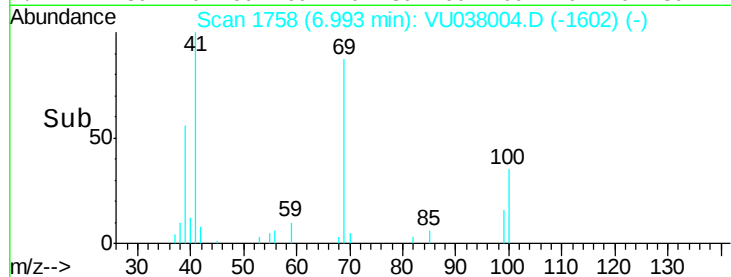
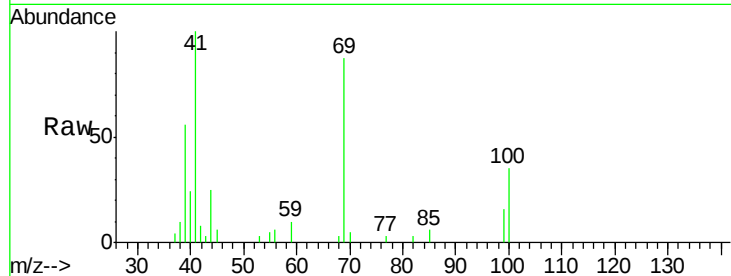
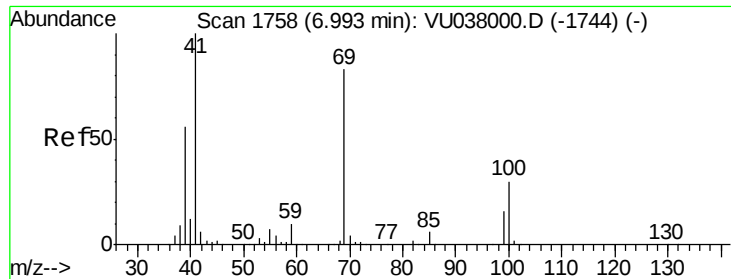
apatel
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#46
t-1,4-Dichloro-2-butene
Concen: 0.473 ug/l m
RT: 10.85 min Scan# 2958
Delta R.T. -0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

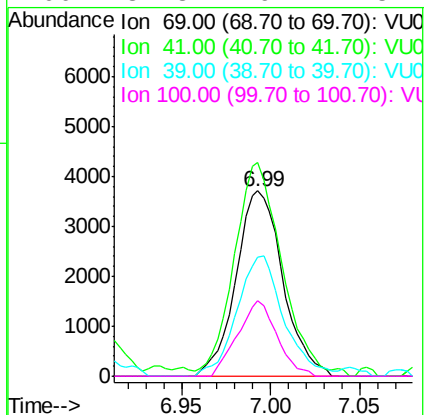
Tgt Ion	Ratio	Lower	Upper
75	100		
53	100.8	81.1	121.7
89	44.3	53.2	79.8#
88	36.1	38.2	57.2#





#47
Methyl methacrylate
Concen: 0.506 ug/l
RT: 6.99 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

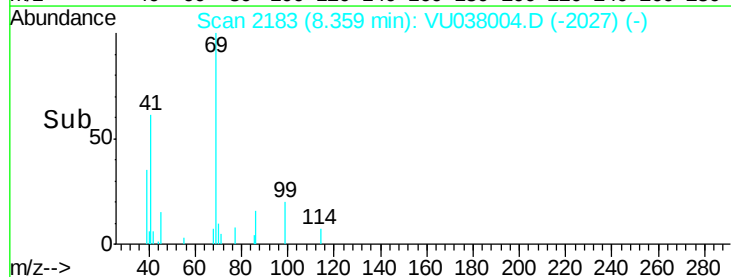
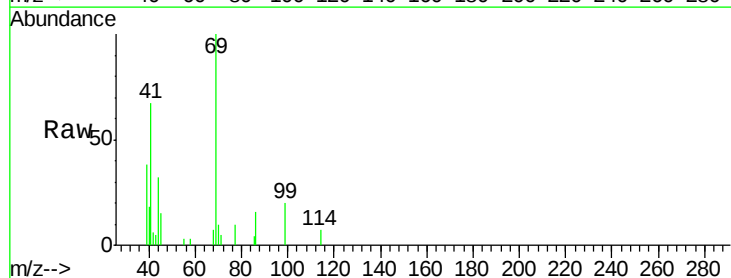
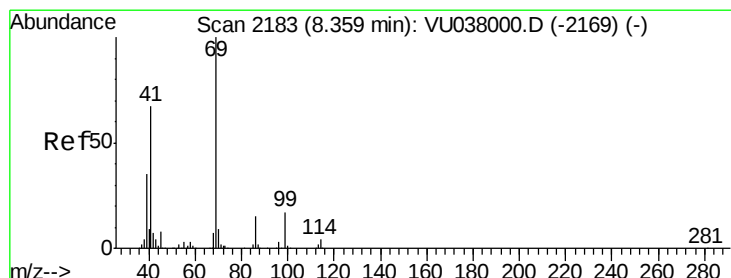
Tot Ion	Ratio	Lower	Upper
69	100		
41	117.7	0.0	241.6
39	64.9	52.9	79.3
100	34.3	29.1	43.7



Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

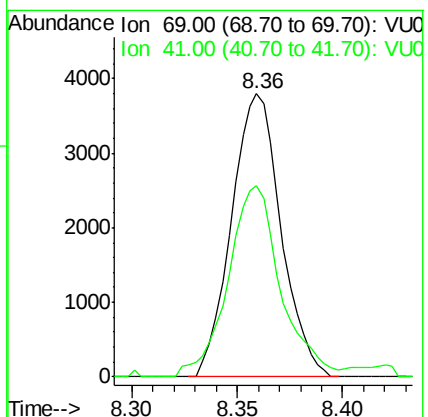
Manual Integrations
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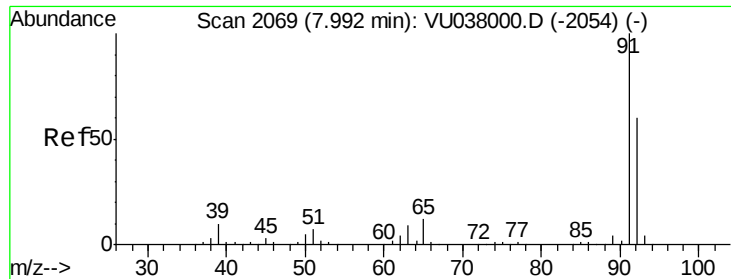
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#48
Ethyl methacrylate
Concen: 0.249 ug/l
RT: 8.36 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.7	33.6	100.8





#49

Toluene

Concen: 0.246 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 92 Resp: 16401

Ion Ratio Lower Upper

92 100

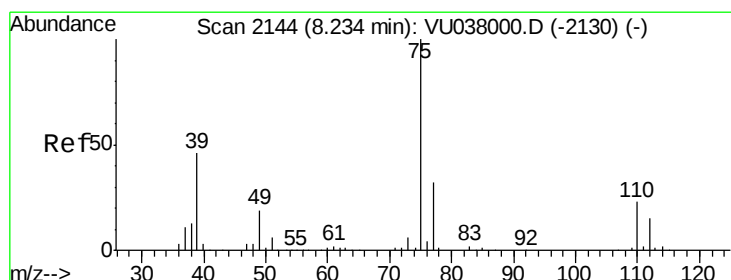
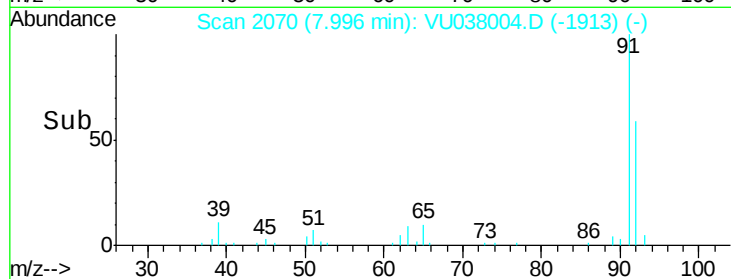
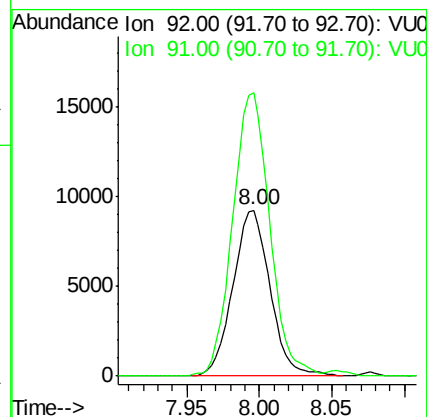
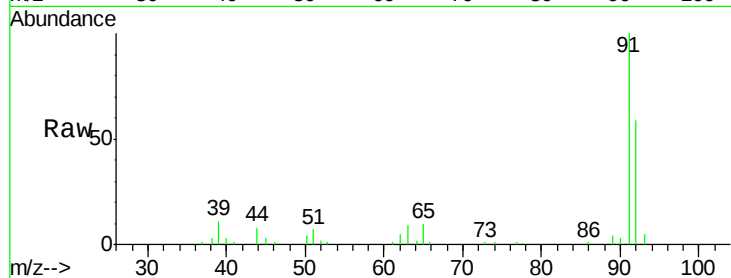
91 171.0 134.4 201.6

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 0.215 ug/l

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038004.D

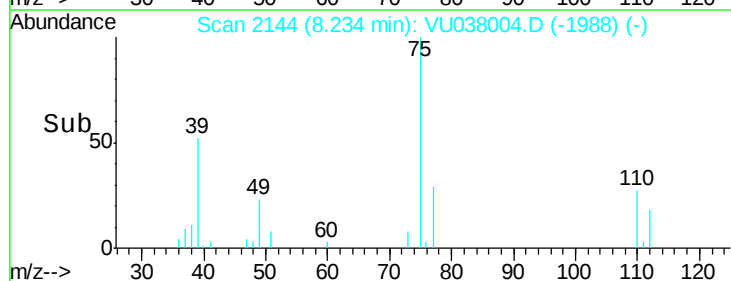
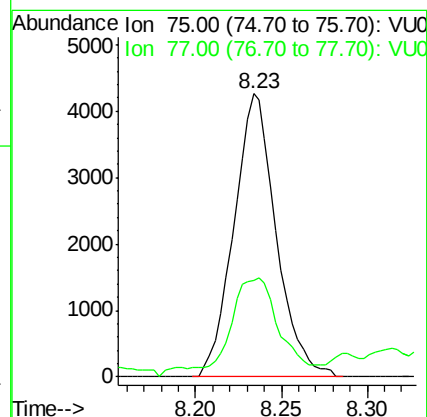
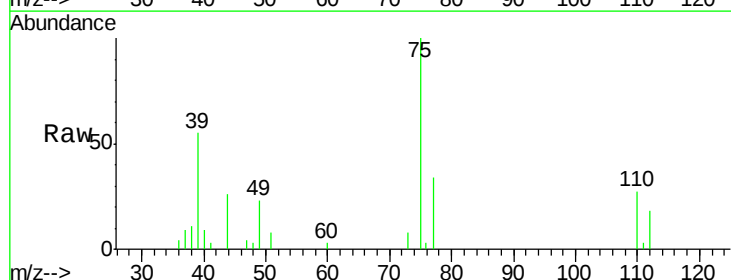
Acq: 04 May 2020 16:23

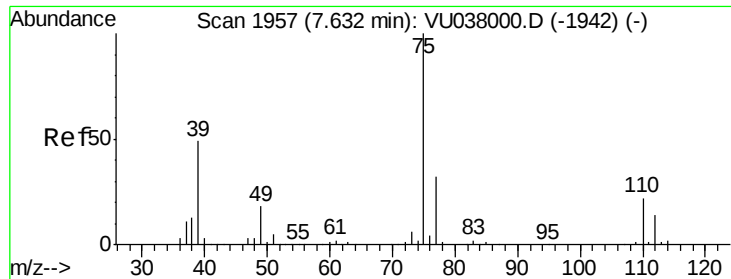
Tgt Ion: 75 Resp: 7282

Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.8





#51

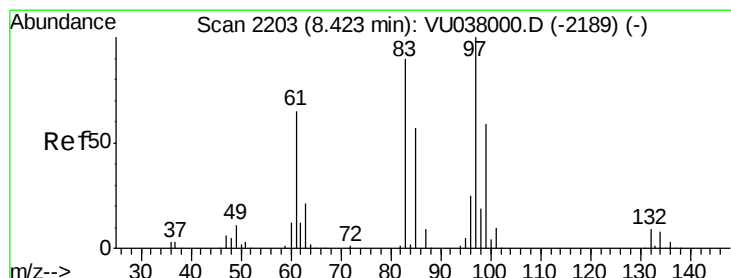
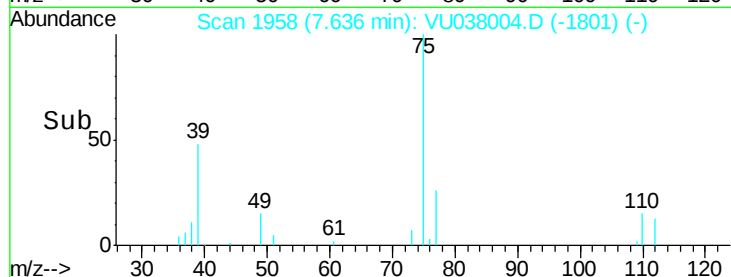
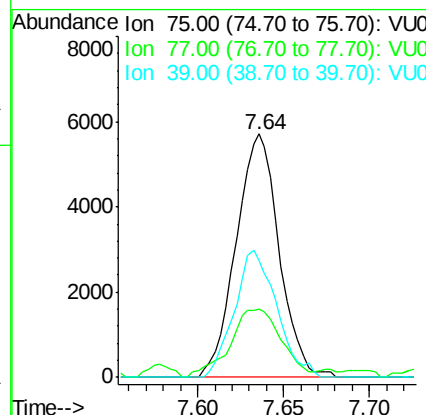
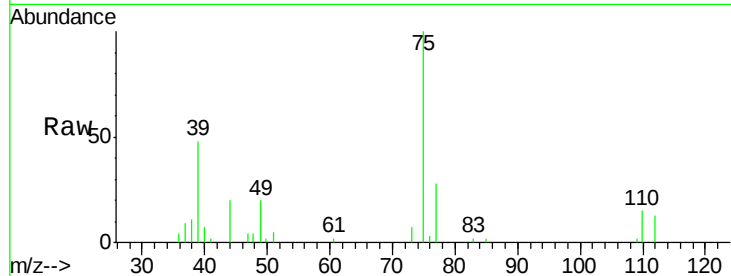
cis-1,3-Dichloropropene
Concen: 0.243 ug/l
RT: 7.64 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
75	100		
77	25.8	25.5	38.3
39	48.0	39.0	58.4

Manual Integrations
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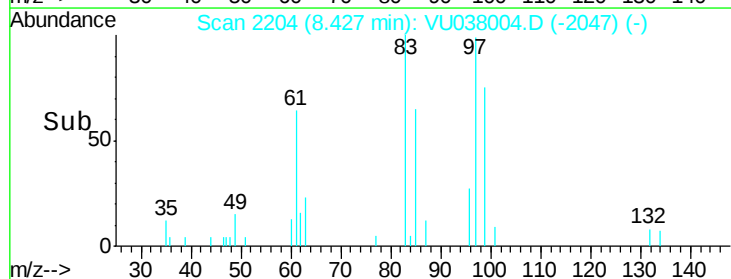
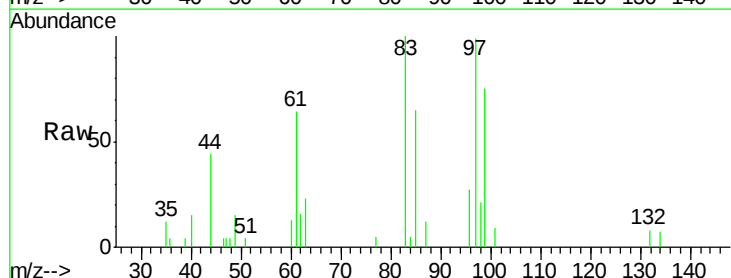
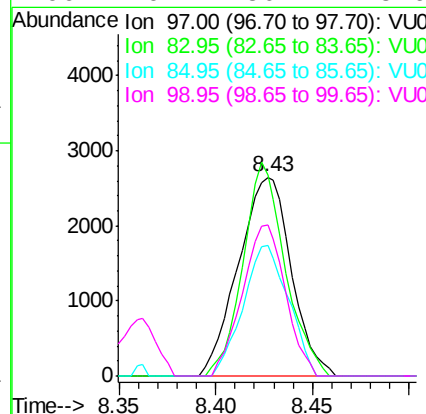
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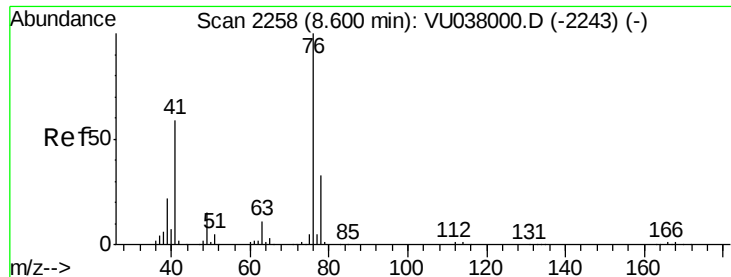


#52

1,1,2-Trichloroethane
Concen: 0.269 ug/l
RT: 8.43 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Tgt Ion	Ratio	Lower	Upper
97	100		
83	101.4	72.4	108.6
85	65.7	46.0	69.0
99	76.1	50.4	75.6





#53

1,3-Dichloropropane

Concen: 0.239 ug/l

RT: 8.60 min Scan# 2258

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 76 Resp: 8374

Ion Ratio Lower Upper

76 100

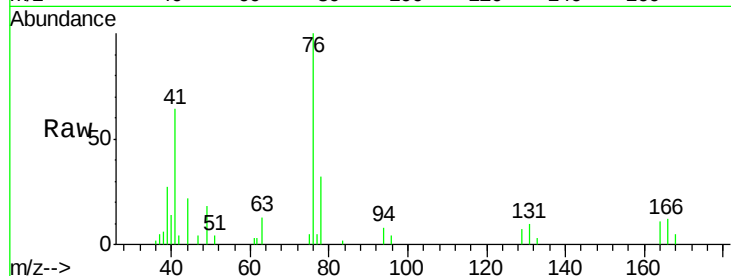
78 34.2 25.8 38.6

Manual Integrations

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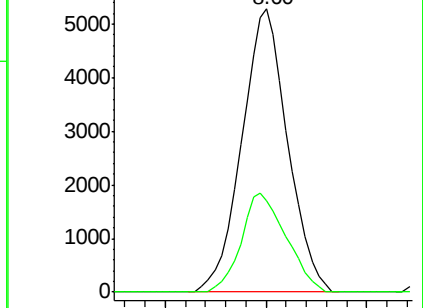
apatel

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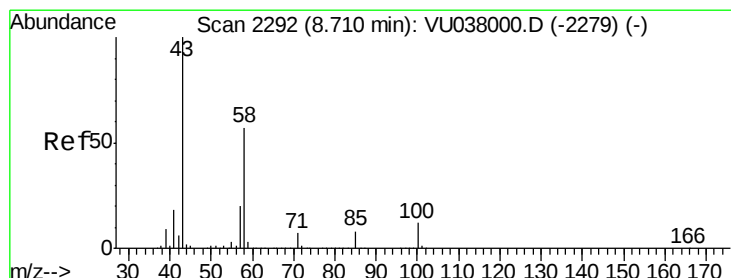
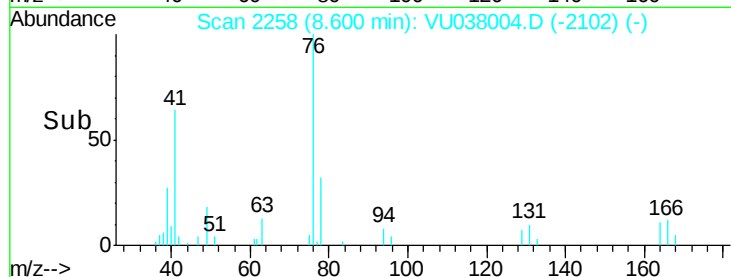


Abundance Ion 76.00 (75.70 to 76.70): VU038000.D (-2243) (-)

Ion 78.00 (77.70 to 78.70): VU038000.D (-2243) (-)



Time-->



#54

2-Hexanone

Concen: 1.315 ug/l

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

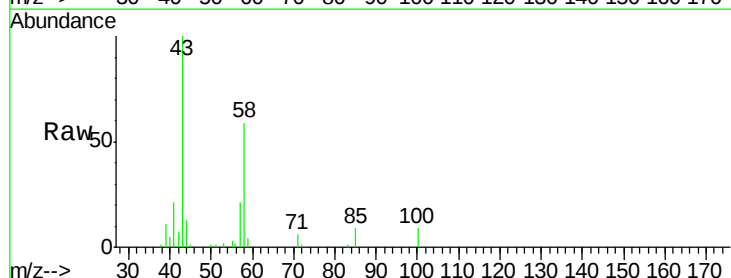
Tgt Ion: 43 Resp: 16710

Ion Ratio Lower Upper

43 100

58 54.4 36.5 76.5

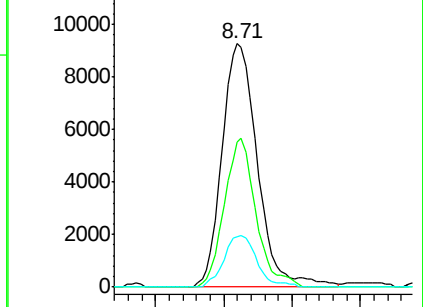
57 19.6 0.0 39.5



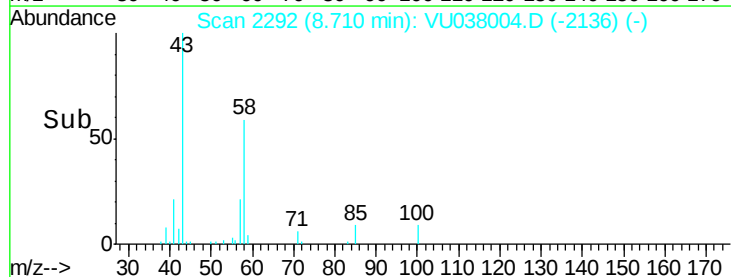
Abundance Ion 43.00 (42.70 to 43.70): VU038000.D (-2279) (-)

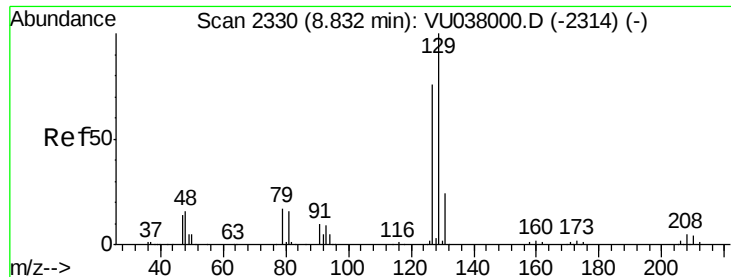
Ion 58.00 (57.70 to 58.70): VU038000.D (-2279) (-)

Ion 57.00 (56.70 to 57.70): VU038000.D (-2279) (-)



Time-->





#55

Dibromochloromethane

Concen: 0.231 ug/l

RT: 8.84 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:129 Resp: 4782

Ion Ratio Lower Upper

129 100

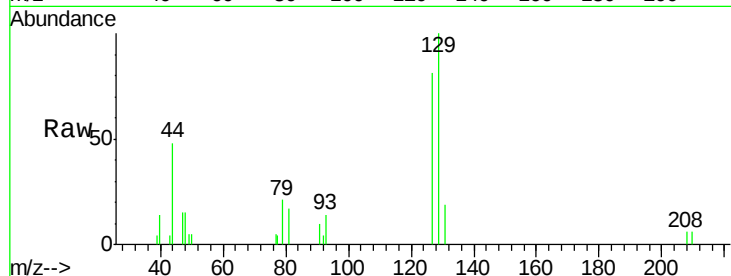
127 68.5 62.2 93.2

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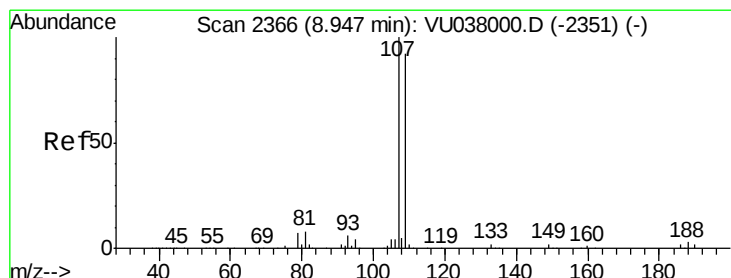
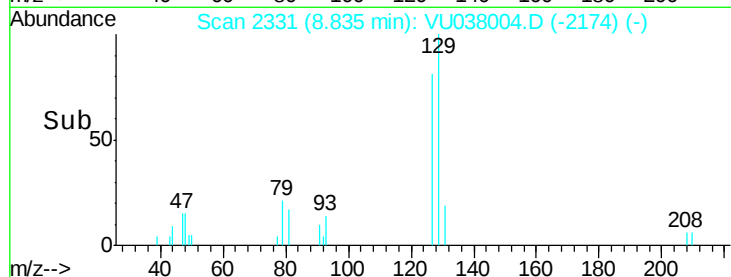
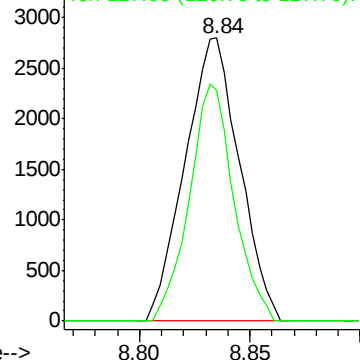
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.257 ug/l

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU038004.D

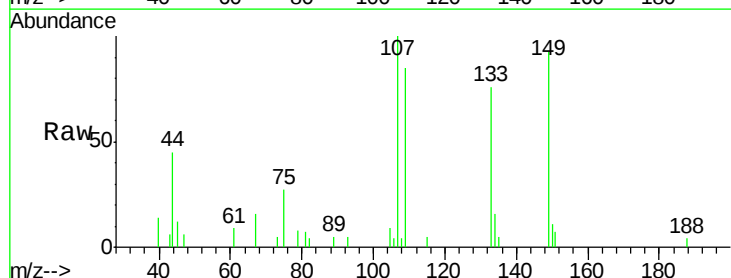
Acq: 04 May 2020 16:23

Tgt Ion:107 Resp: 4540

Ion Ratio Lower Upper

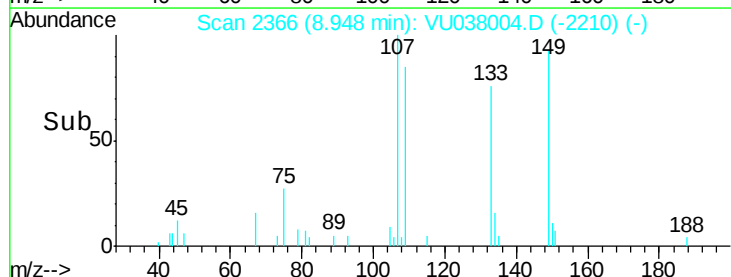
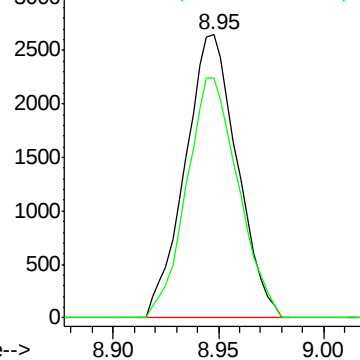
107 100

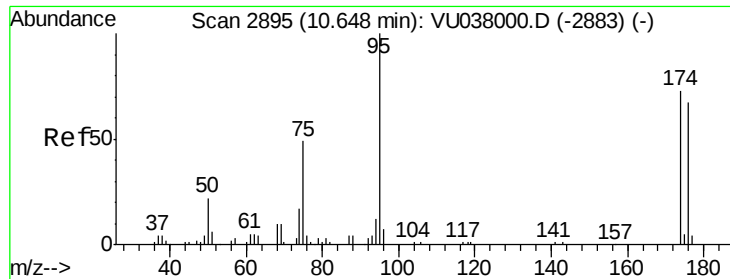
109 84.1 0.0 184.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





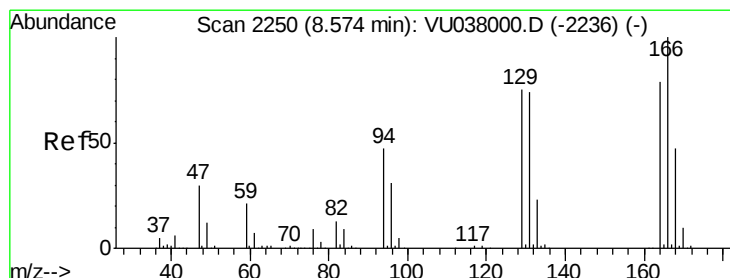
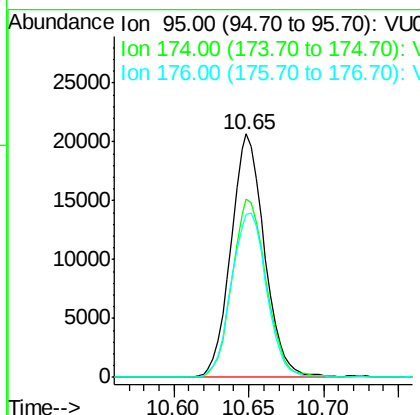
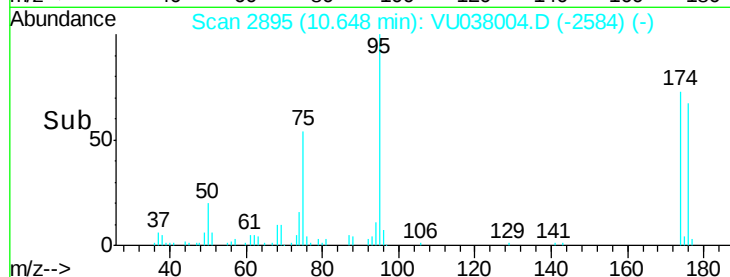
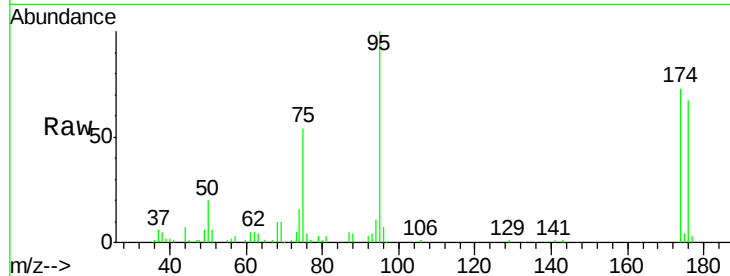
#57
4-Bromofluorobenzene
Concen: 0.934 ug/l
RT: 10.65 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
95	100	32360		
174	74.6	61.2	91.8	
176	70.9	57.1	85.7	

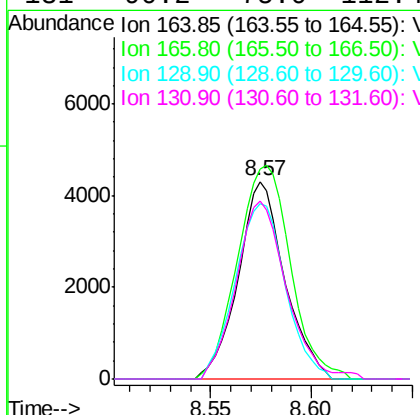
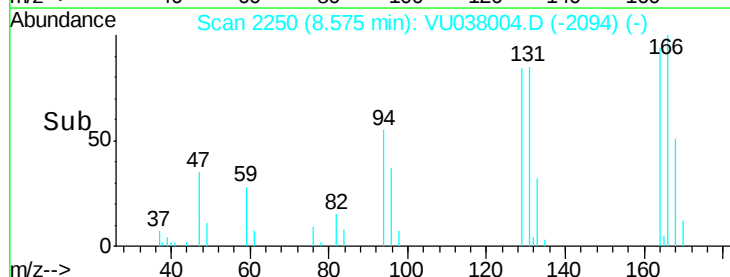
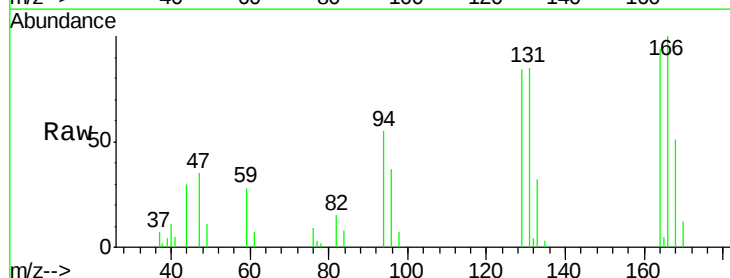
Manual Integrations
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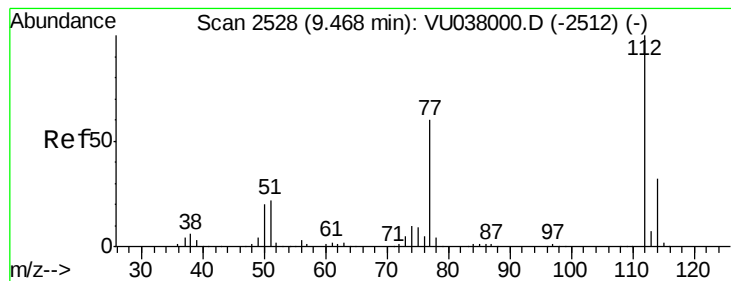
apatel
5/5/2020 11:15:59 AM



#58
Tetrachloroethene
Concen: 0.269 ug/l
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	6933		
166	106.3	101.5	152.3	
129	89.2	76.6	114.8	
131	90.2	75.0	112.4	





#59

Chlorobenzene

Concen: 0.263 ug/l

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:112 Resp: 18579

Ion Ratio Lower Upper

112 100

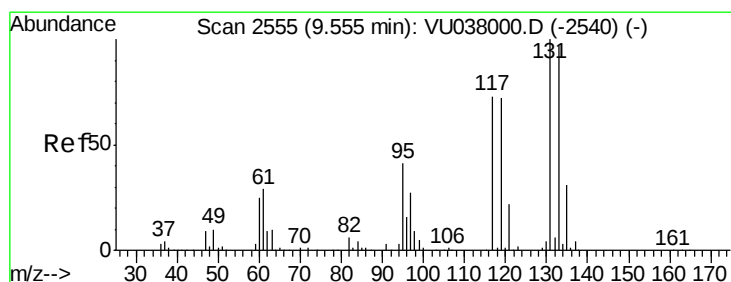
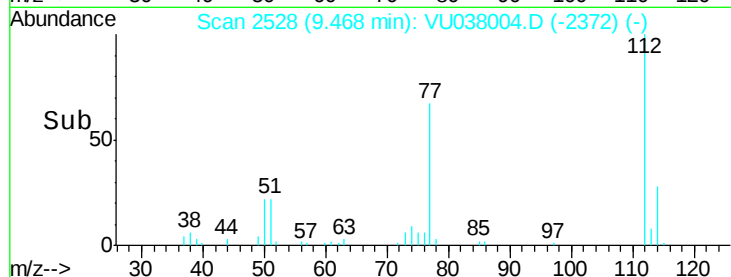
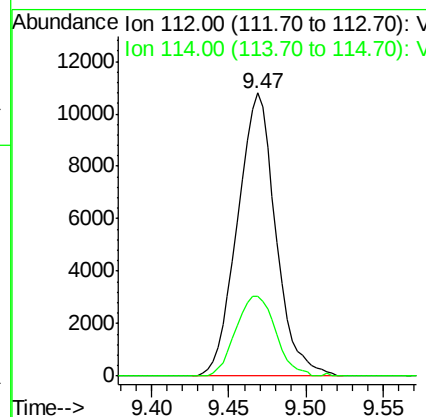
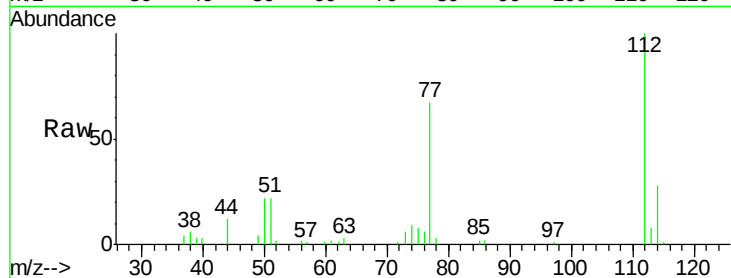
114 28.1 25.7 38.5

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#60

1,1,1,2-Tetrachloroethane

Concen: 0.245 ug/l

RT: 9.56 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

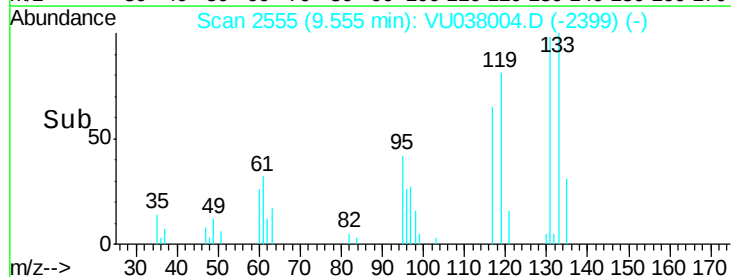
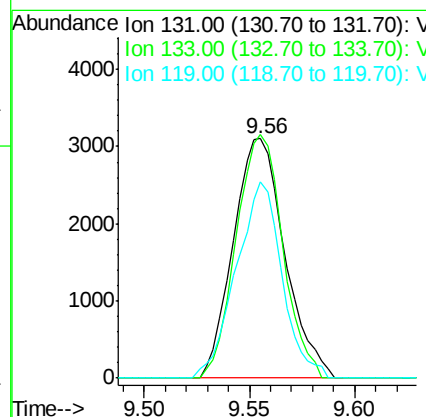
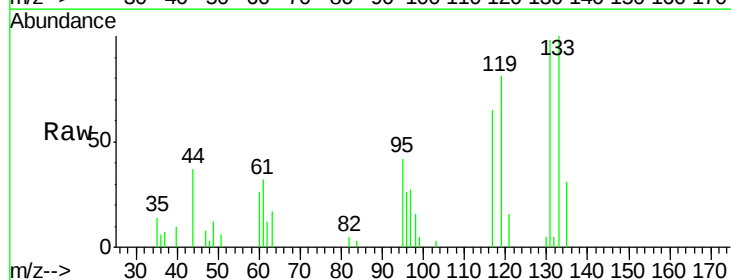
Tgt Ion:131 Resp: 5254

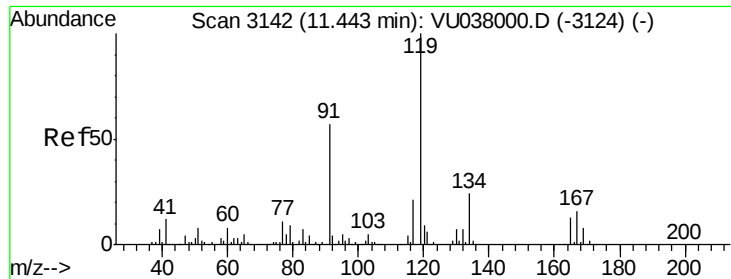
Ion Ratio Lower Upper

131 100

133 92.2 76.8 115.2

119 73.1 56.7 85.1





#61

Pentachloroethane

Concen: 0.241 ug/l

RT: 11.45 min Scan# 3143

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:117 Resp: 3873

Ion Ratio Lower Upper

117 100

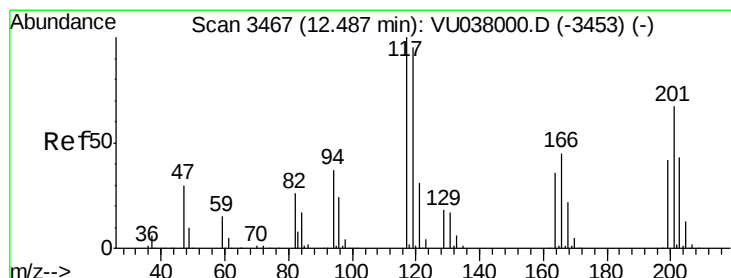
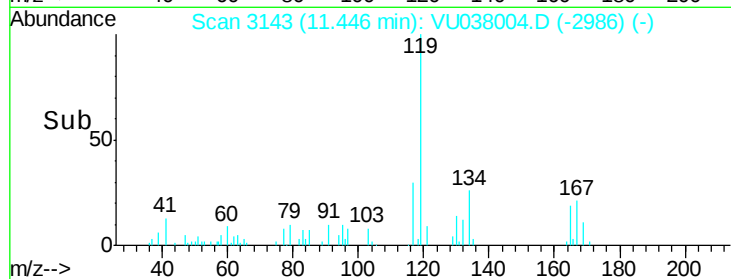
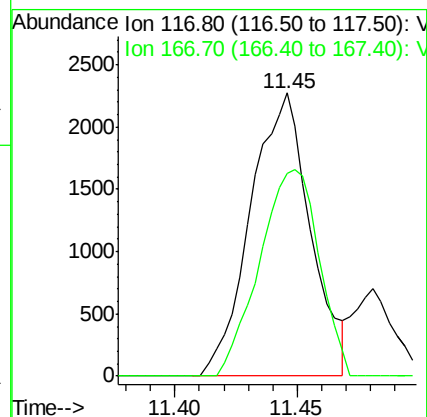
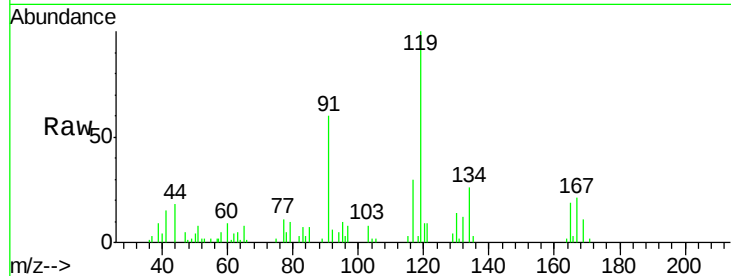
167 72.2 60.3 90.5

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#62

Hexachloroethane

Concen: 0.205 ug/l

RT: 12.49 min Scan# 3468

Delta R.T. 0.00 min

Lab File: VU038004.D

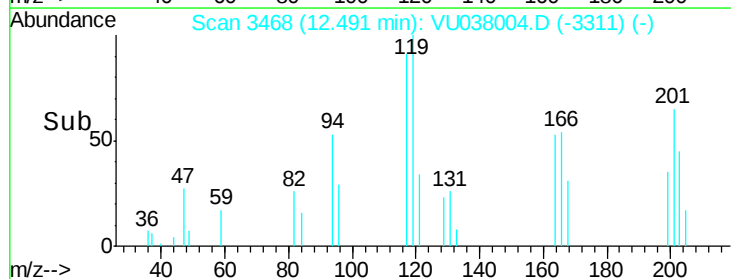
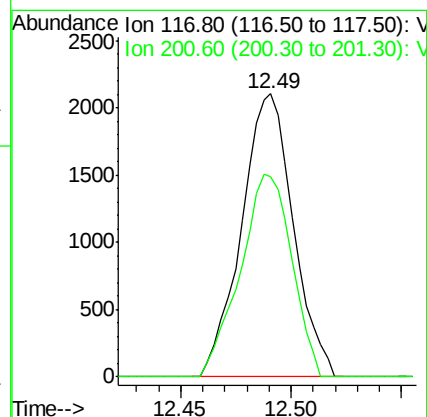
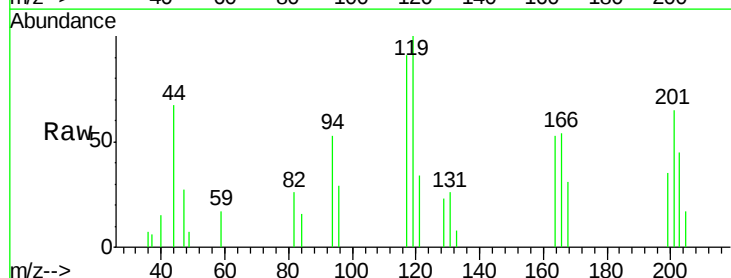
Acq: 04 May 2020 16:23

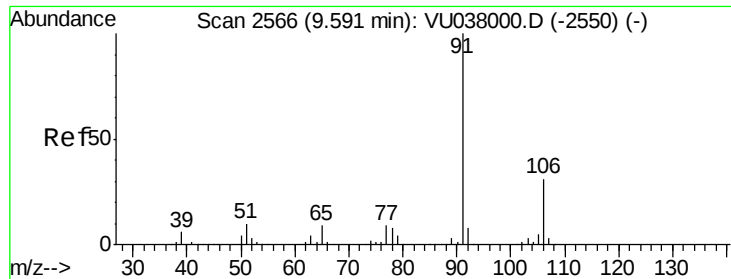
Tgt Ion:117 Resp: 3433

Ion Ratio Lower Upper

117 100

201 71.1 54.7 82.1





#63

Ethyl Benzene

Concen: 0.246 ug/l

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 91 Resp: 30985

Ion Ratio Lower Upper

91 100

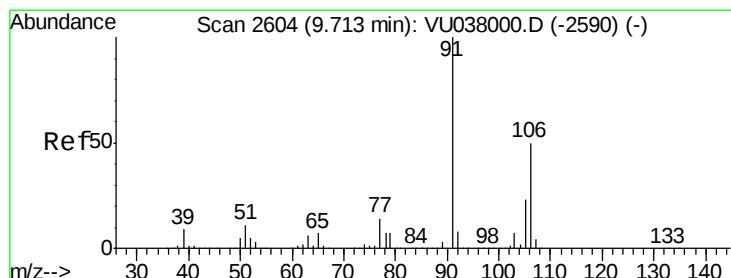
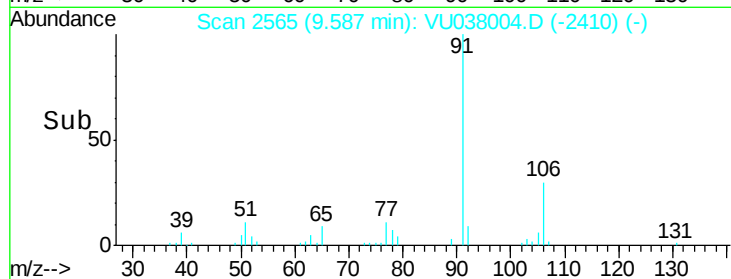
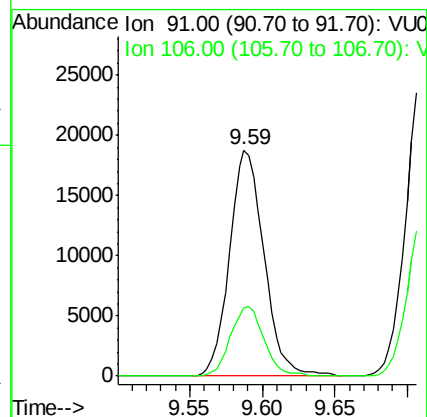
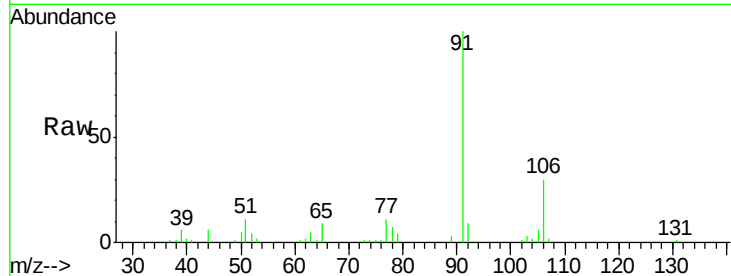
106 29.9 24.9 37.3

Manual Integrations

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#64

m/p-Xylenes

Concen: 0.470 ug/l

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038004.D

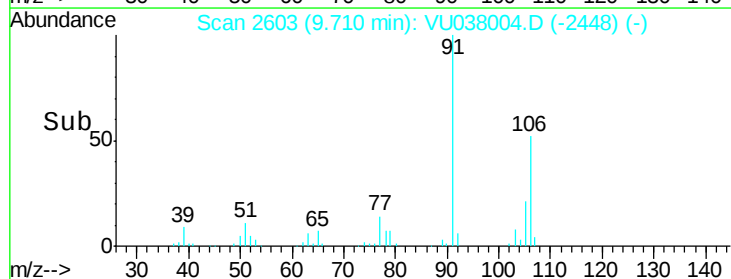
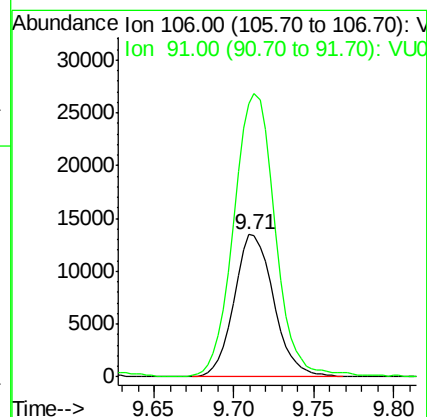
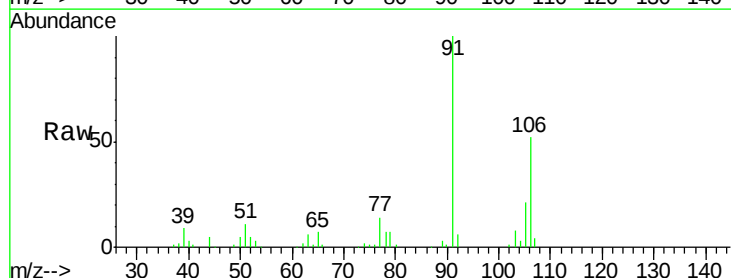
Acq: 04 May 2020 16:23

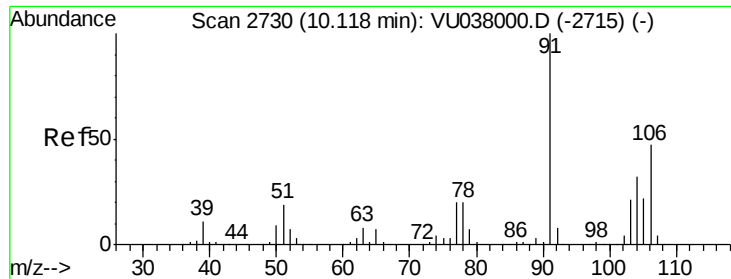
Tgt Ion: 106 Resp: 22761

Ion Ratio Lower Upper

106 100

91 207.8 159.5 239.3





#65

o-Xylene

Concen: 0.234 ug/l

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:106 Resp: 11028

Ion Ratio Lower Upper

106 100

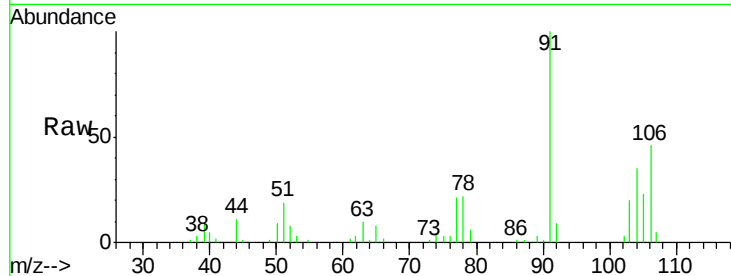
91 214.3 105.7 317.0

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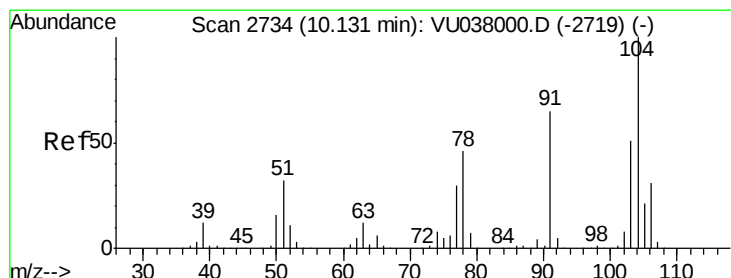
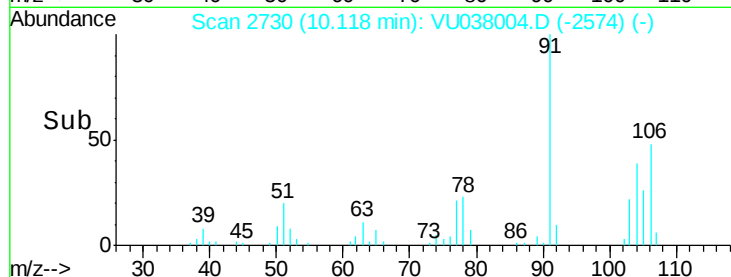
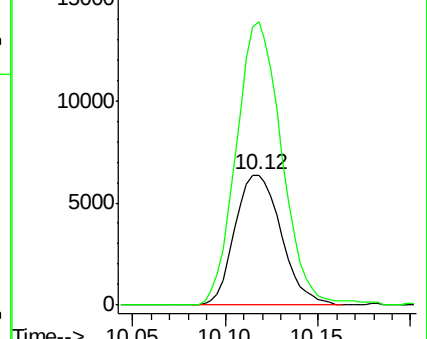
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.243 ug/l

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

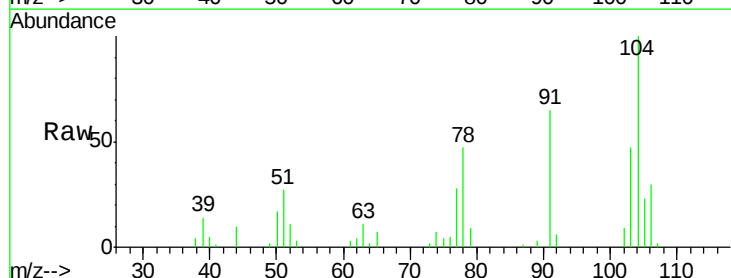
Tgt Ion:104 Resp: 18900

Ion Ratio Lower Upper

104 100

78 49.9 39.9 59.9

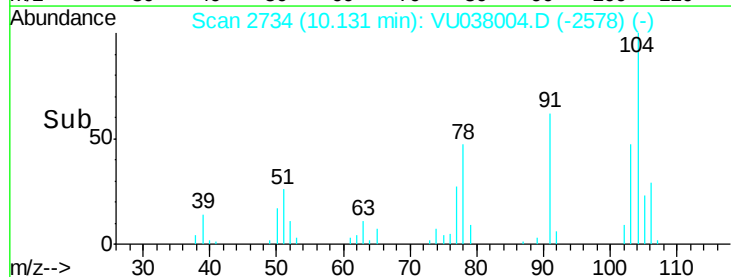
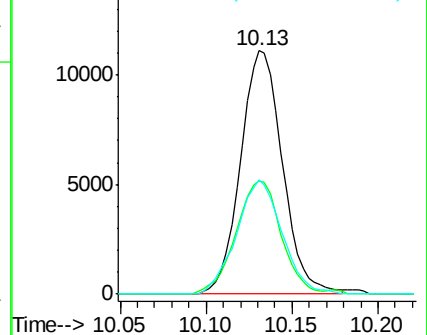
103 50.8 43.4 65.2

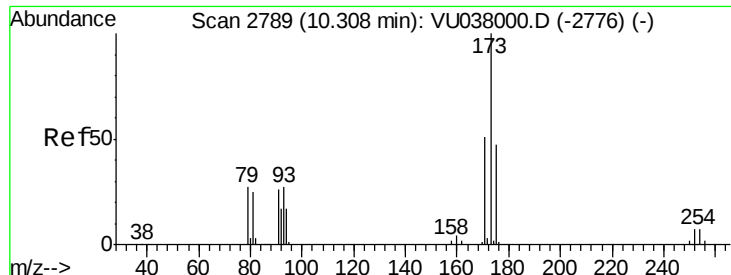


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.216 ug/l

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

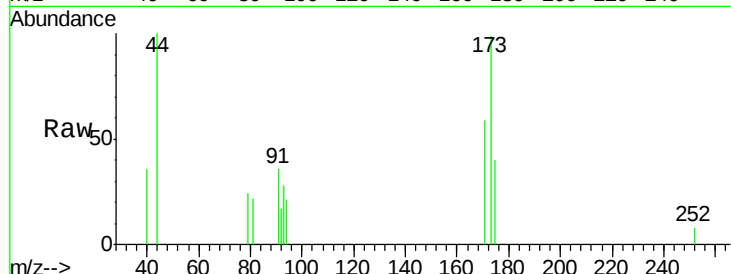
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

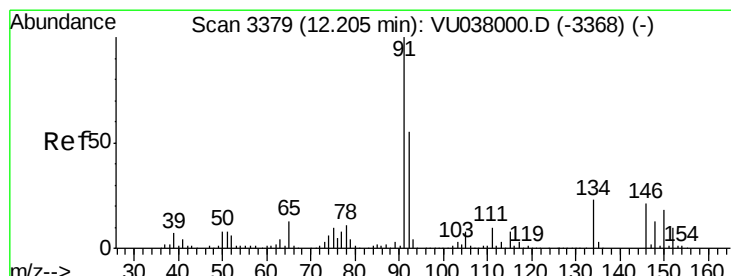
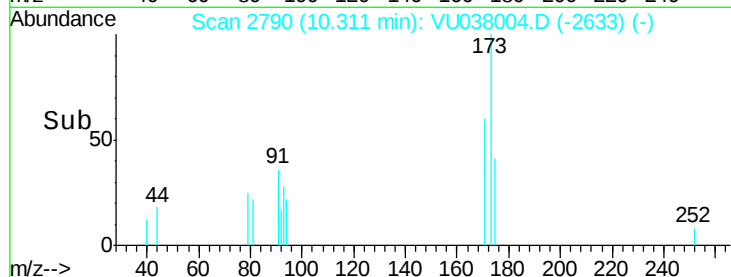
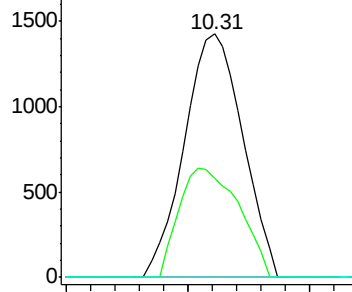
Tot Ion:	173	Resp:	2355
Ion Ratio	Lower	Upper	
173	100		
175	46.3	37.6	56.4
254	0.0	5.5	8.3#

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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: 0.970 ug/l

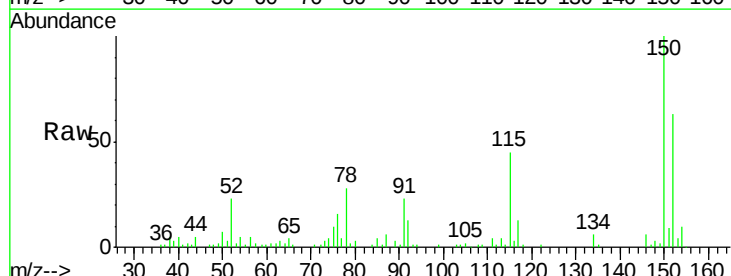
RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

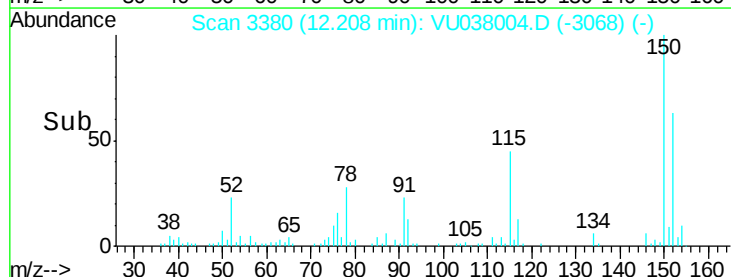
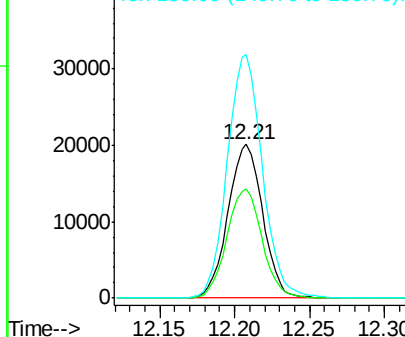
Lab File: VU038004.D

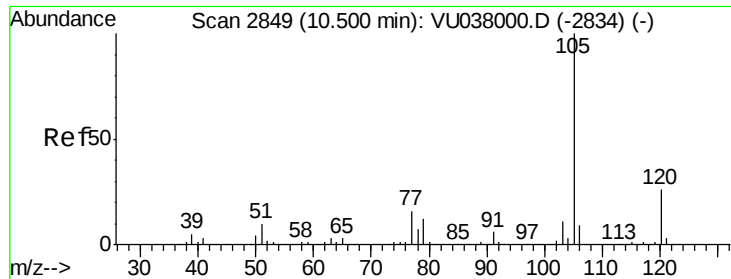
Acq: 04 May 2020 16:23

Tgt Ion:	152	Resp:	32523
Ion Ratio	Lower	Upper	
152	100		
115	71.8	0.0	261.0
150	160.2	0.0	650.2



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: 0.234 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:105 Resp: 28812

Ion Ratio Lower Upper

105 100

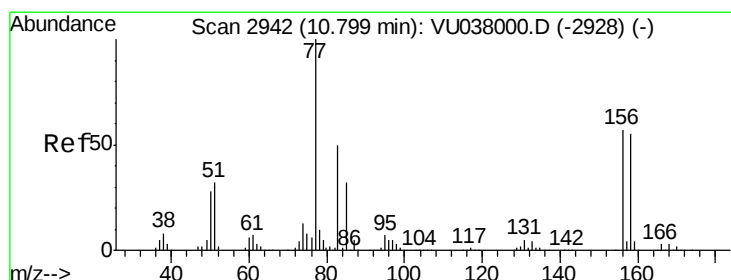
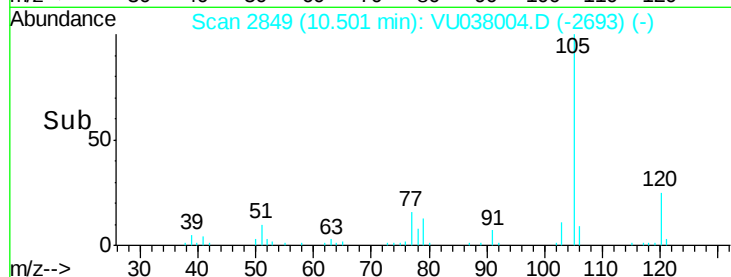
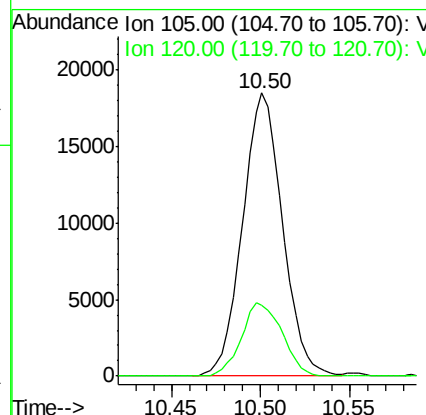
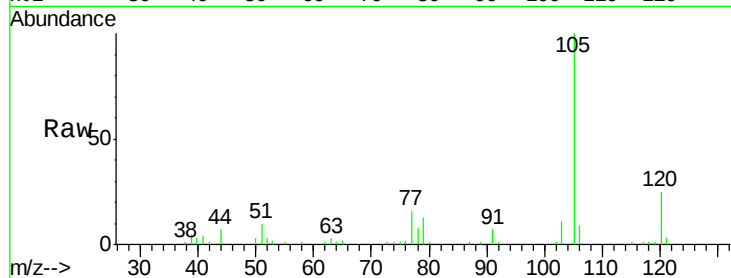
120 26.2 13.1 39.3

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.246 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

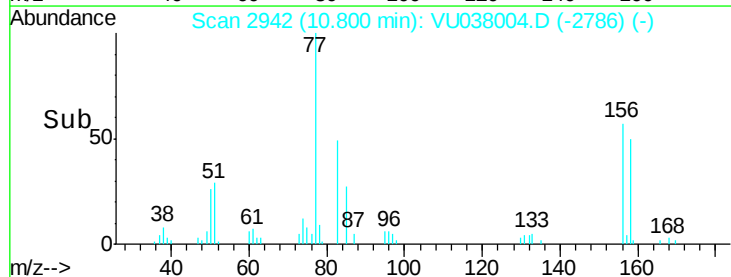
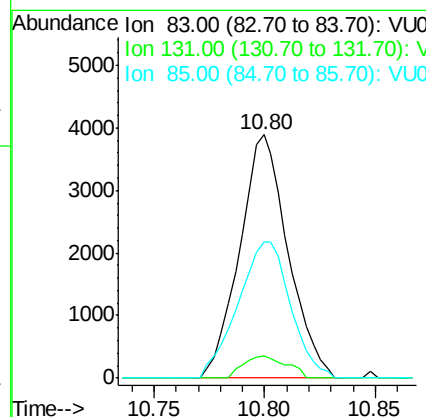
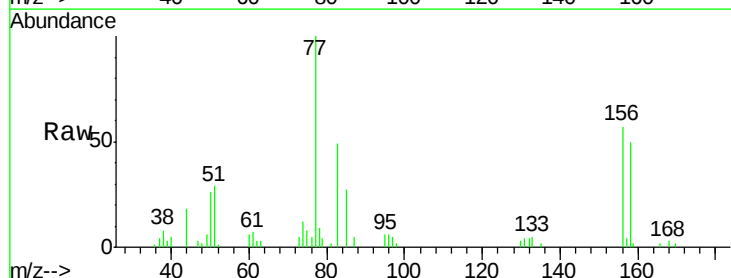
Tgt Ion: 83 Resp: 5897

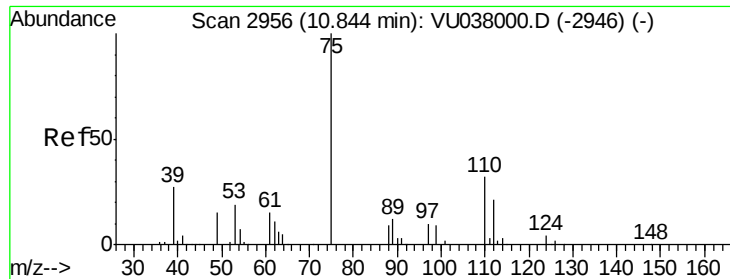
Ion Ratio Lower Upper

83 100

131 8.1 7.2 10.8

85 60.9 50.0 75.0





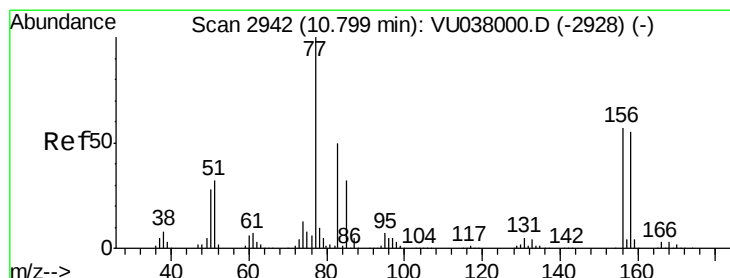
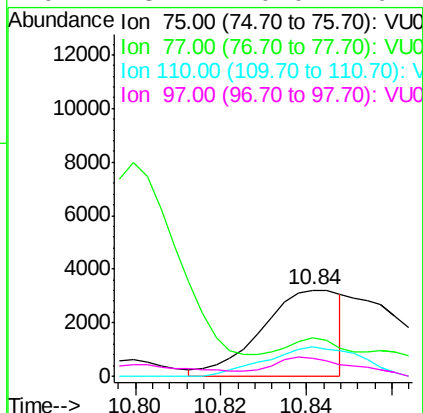
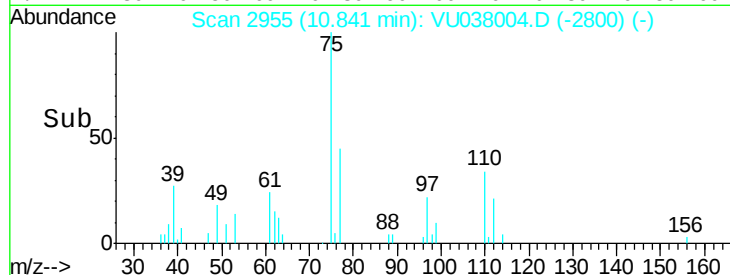
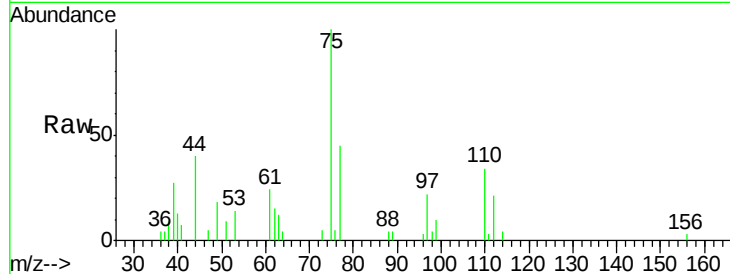
#71
1,2,3-Trichloropropane
Concen: 0.235 ug/l m
RT: 10.84 min Scan# 2955
Delta R.T. -0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	66.4	0.0	108.6
110	110	40.3	0.0	79.4
97	97	23.1	0.0	40.4

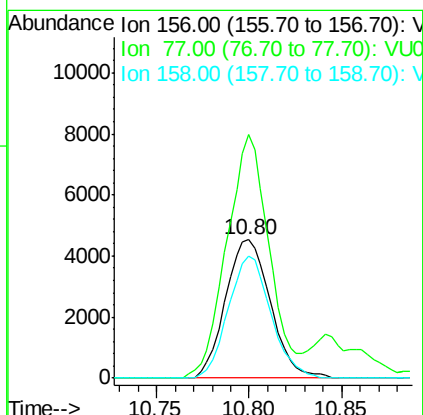
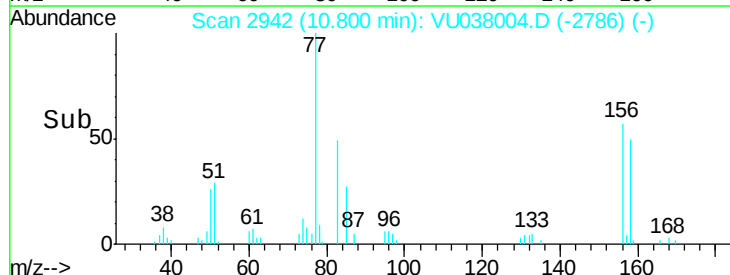
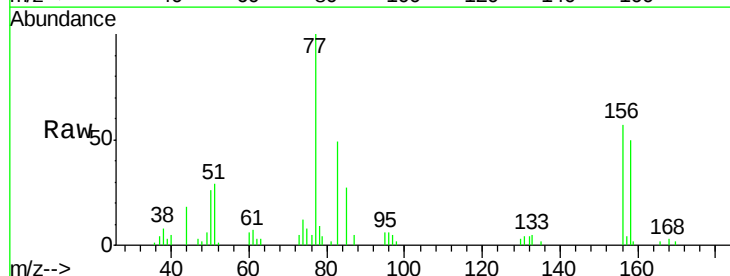
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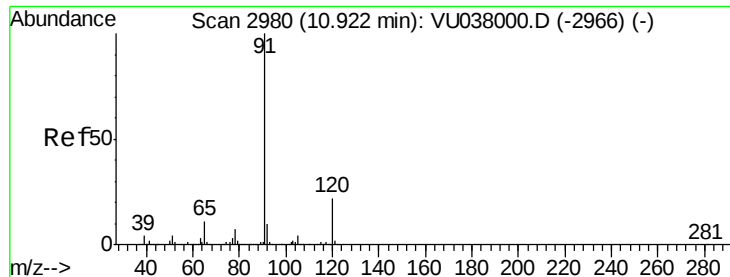
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#72
Bromobenzene
Concen: 0.277 ug/l
RT: 10.80 min Scan# 2942
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	164.6	0.0	355.6
158	158	83.4	0.0	194.0





#73

n-propylbenzene

Concen: 0.233 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:120 Resp: 7885

Ion Ratio Lower Upper

120 100

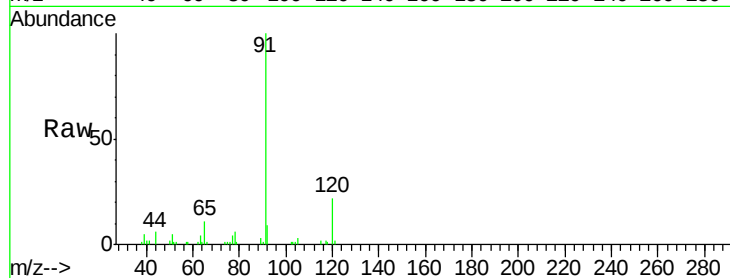
91 458.5 355.4 533.0

Manual Integrations

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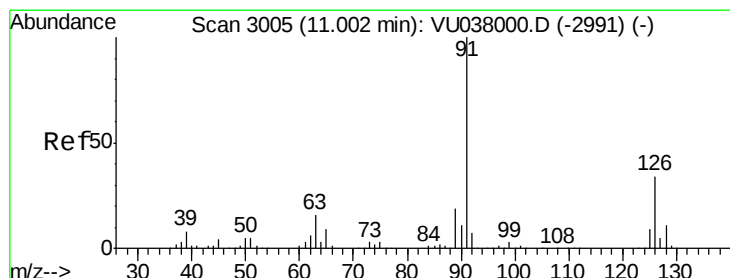
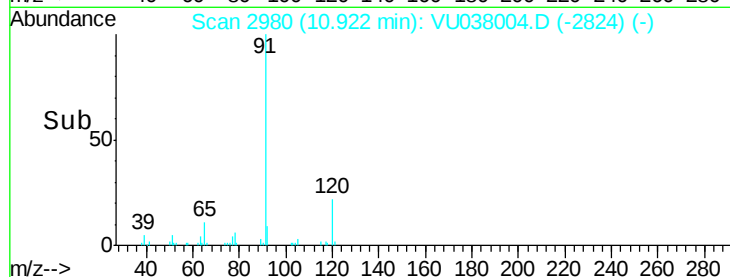
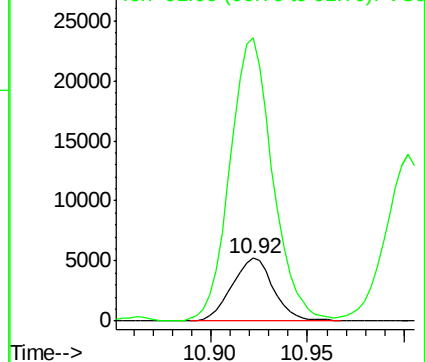
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.233 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU038004.D

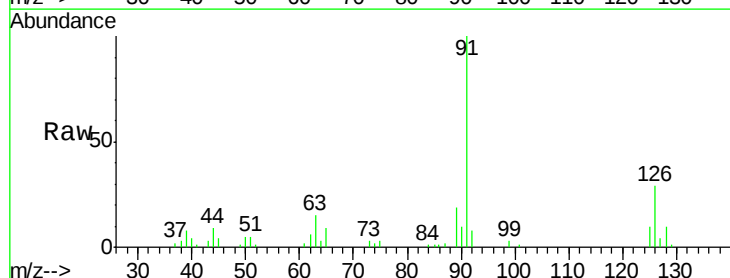
Acq: 04 May 2020 16:23

Tgt Ion:126 Resp: 6604

Ion Ratio Lower Upper

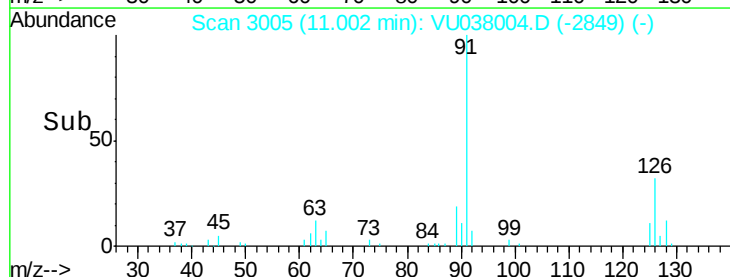
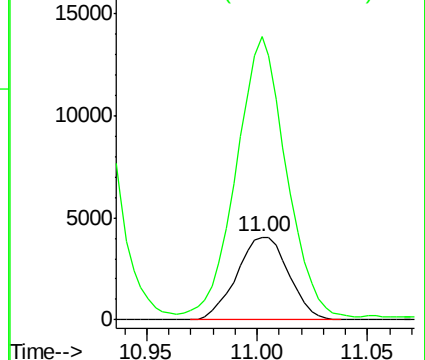
126 100

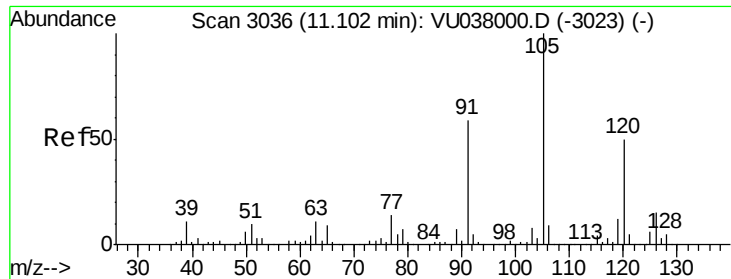
91 327.5 0.0 625.8



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: 0.226 ug/l

RT: 11.10 min Scan# 3036

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:105 Resp: 23109

Ion Ratio Lower Upper

105 100

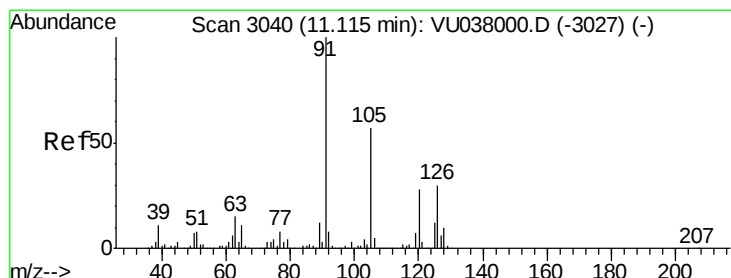
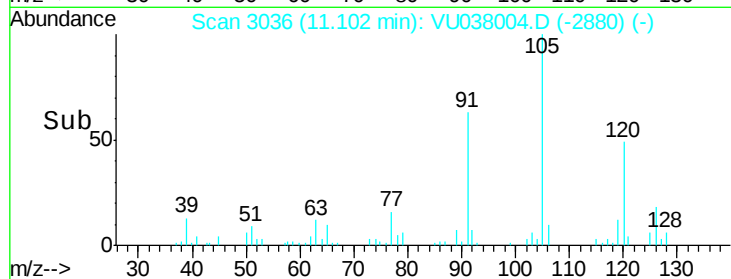
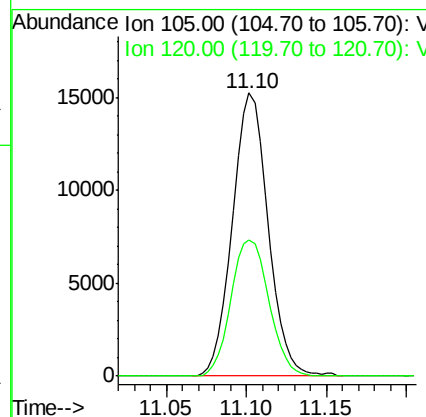
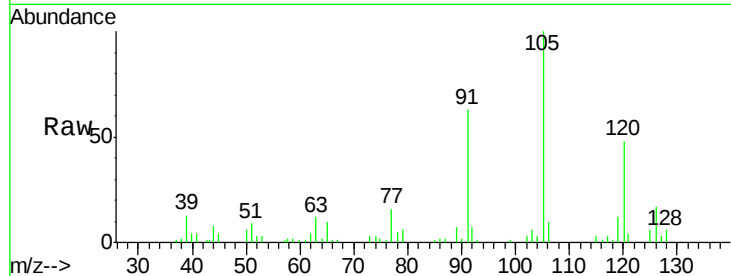
120 51.2 39.8 59.6

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#76

4-Chlorotoluene

Concen: 0.254 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. 0.00 min

Lab File: VU038004.D

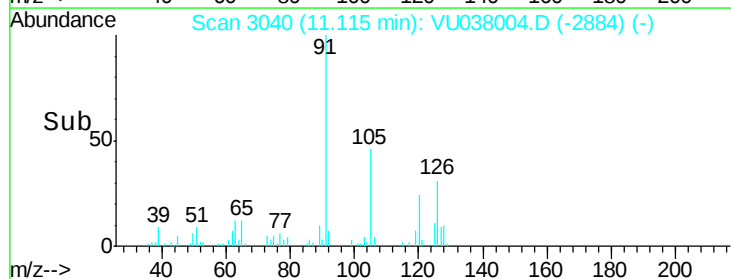
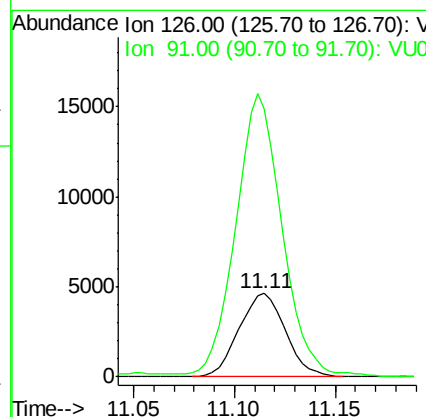
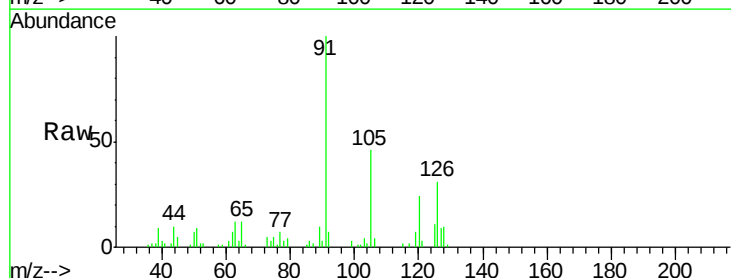
Acq: 04 May 2020 16:23

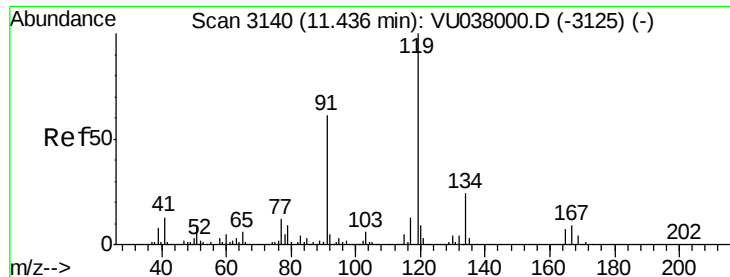
Tgt Ion:126 Resp: 7482

Ion Ratio Lower Upper

126 100

91 340.3 0.0 698.6





#77

tert-Butylbenzene

Concen: 0.232 ug/l

RT: 11.43 min Scan# 3139

Delta R.T. -0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

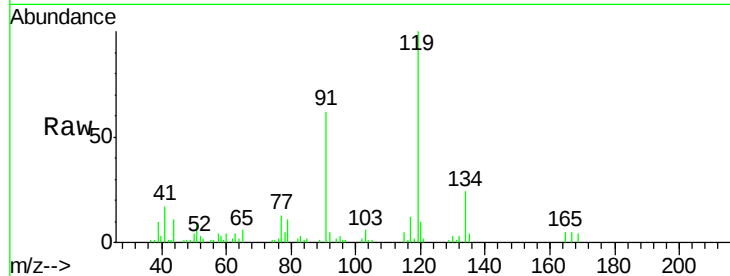
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

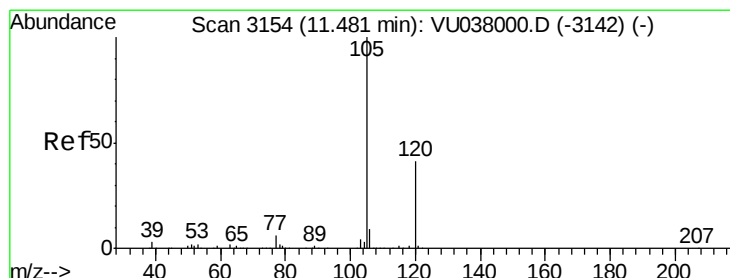
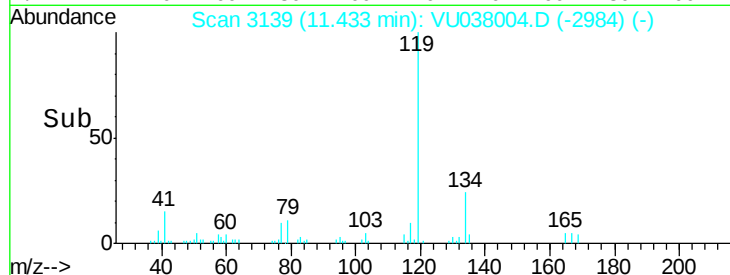
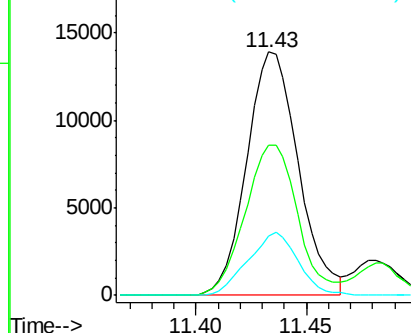
Tot Ion:	119	Resp:	22533
Ion Ratio	Lower	Upper	
119	100		
91	63.1	30.1	90.5
134	25.0	19.0	28.6

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 0.234 ug/l

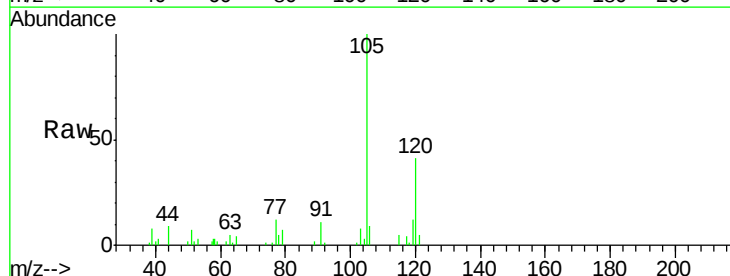
RT: 11.48 min Scan# 3154

Delta R.T. 0.00 min

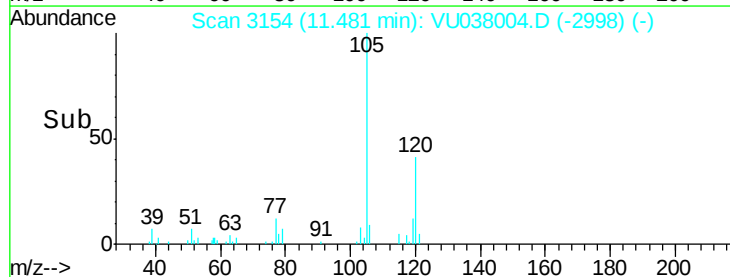
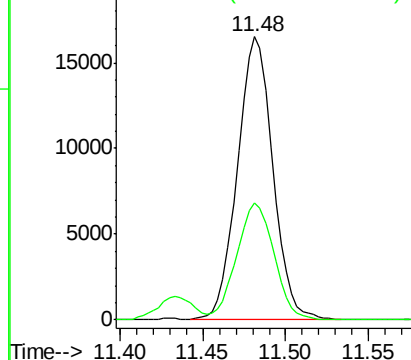
Lab File: VU038004.D

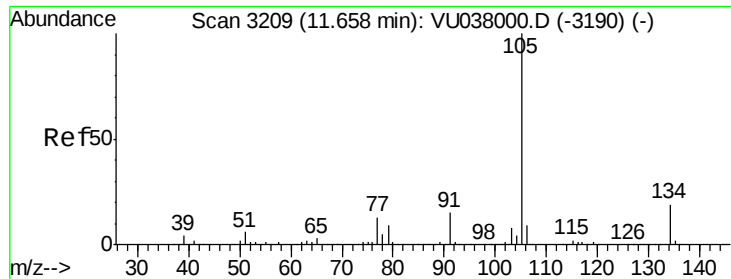
Acq: 04 May 2020 16:23

Tgt Ion:	105	Resp:	24598
Ion Ratio	Lower	Upper	
105	100		
120	43.5	23.4	70.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.224 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 105 Resp: 31192

Ion Ratio Lower Upper

105 100

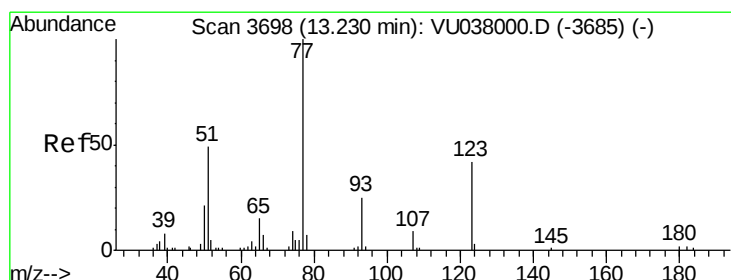
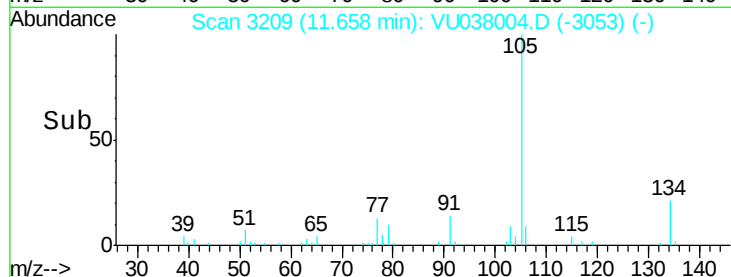
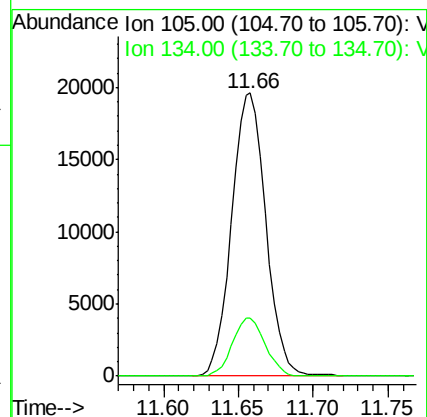
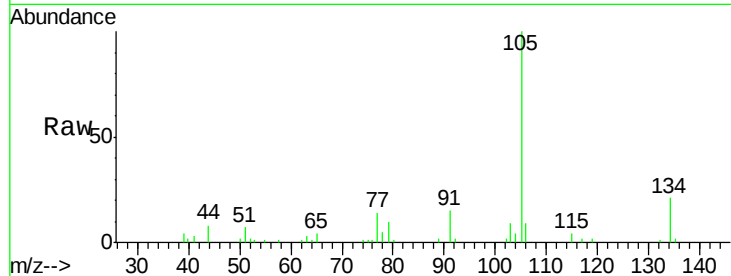
134 19.6 15.4 23.0

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#80

Nitrobenzene

Concen: 1.150 ug/l

RT: 13.23 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

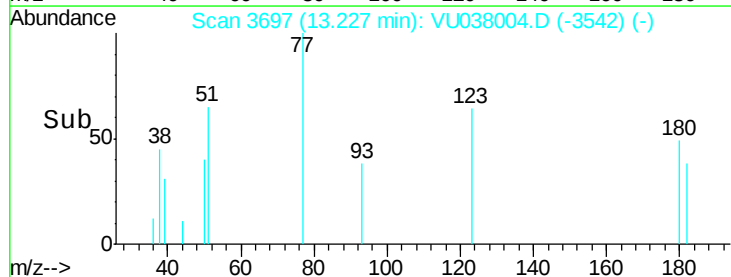
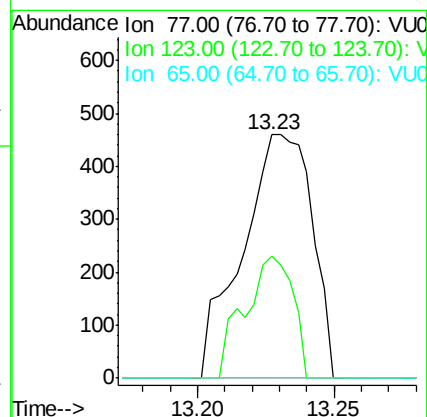
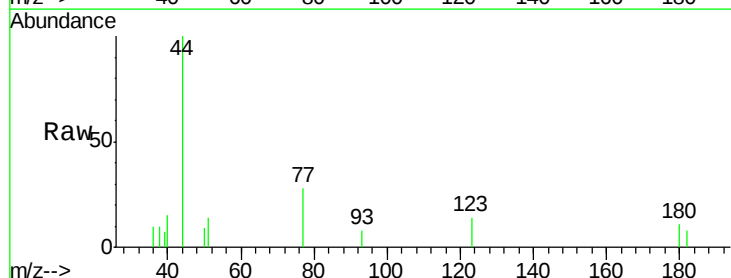
Tgt Ion: 77 Resp: 817

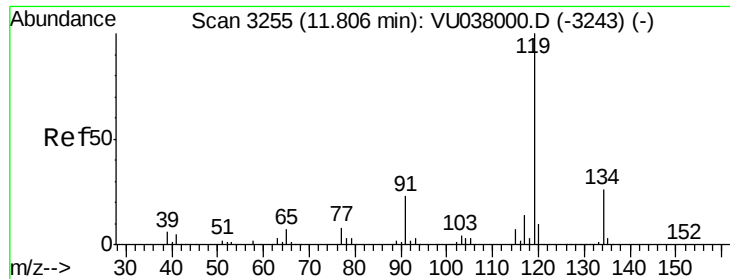
Ion Ratio Lower Upper

77 100

123 34.5 17.6 62.6

65 0.0 13.2 16.8#





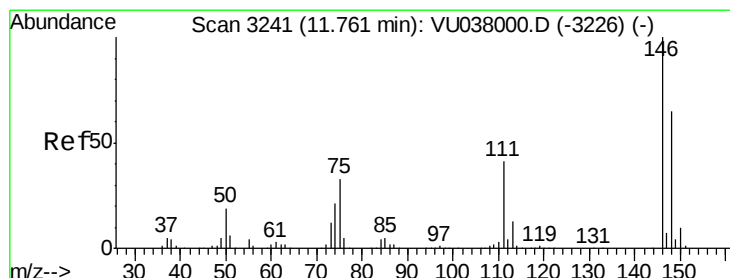
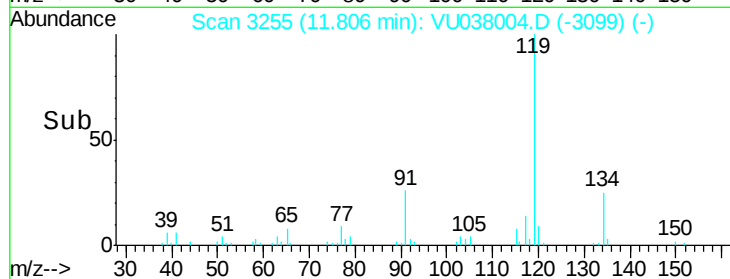
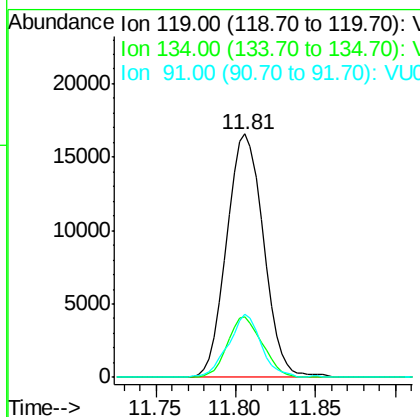
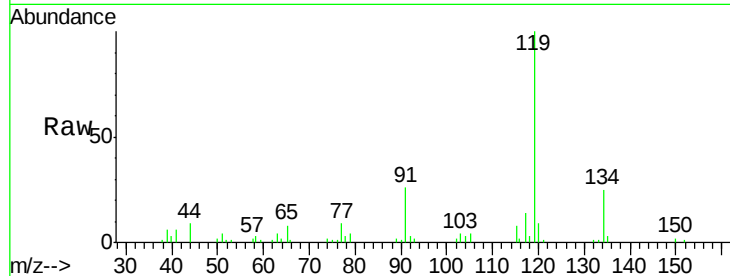
#81
 p-Isopropyltoluene
 Concen: 0.233 ug/l
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.00 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	26110		
134	23.3		20.6	31.0
91	23.0		18.6	28.0

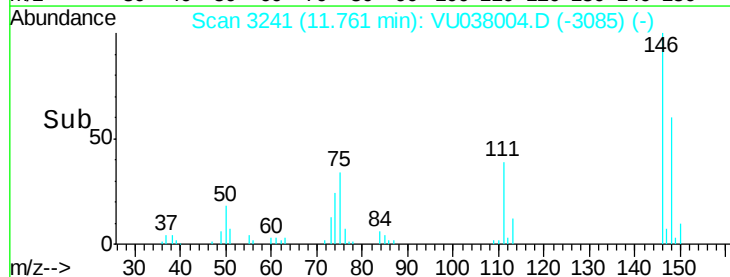
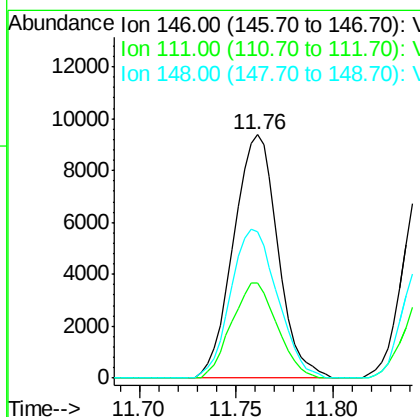
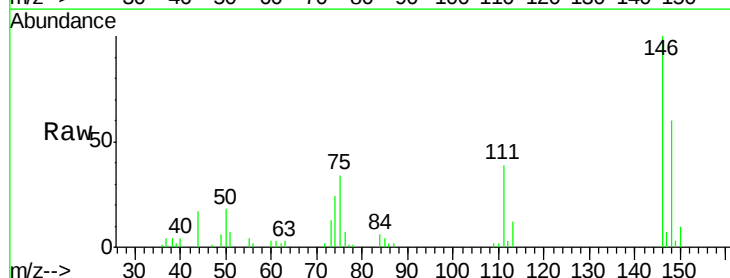
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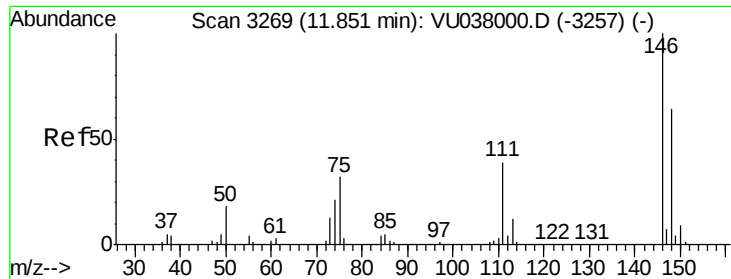
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#82
 1,3-Dichlorobenzene
 Concen: 0.262 ug/l
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	14951		
111	40.0		33.0	49.4
148	64.7		51.4	77.2





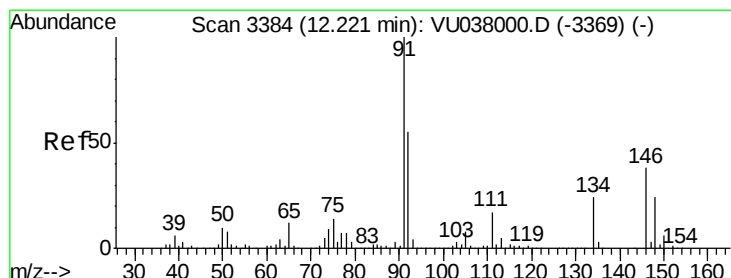
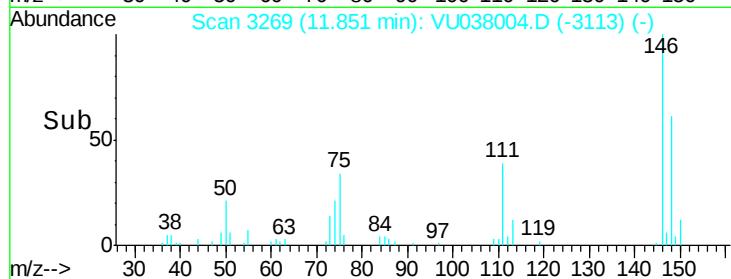
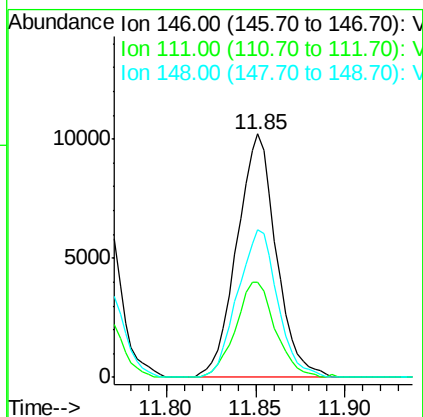
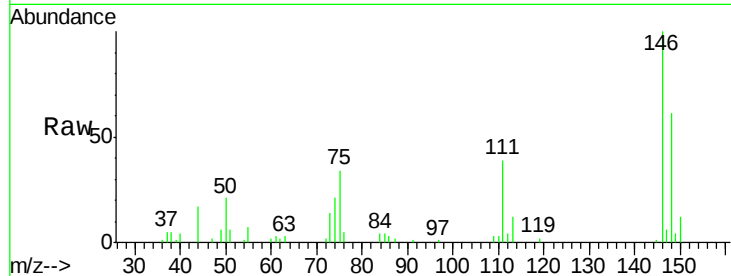
#83
 1,4-Dichlorobenzene
 Concen: 0.273 ug/l
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	31.8	47.6
148	61.7	51.2	76.8

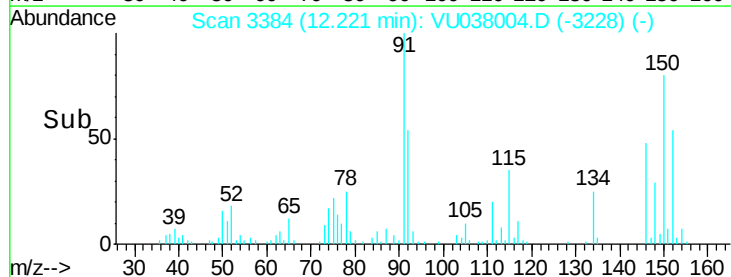
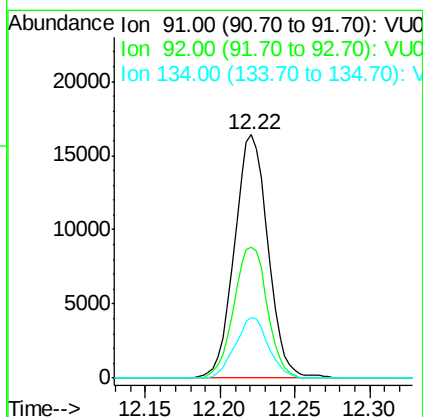
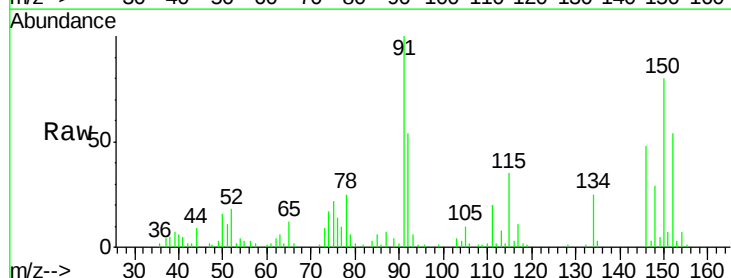
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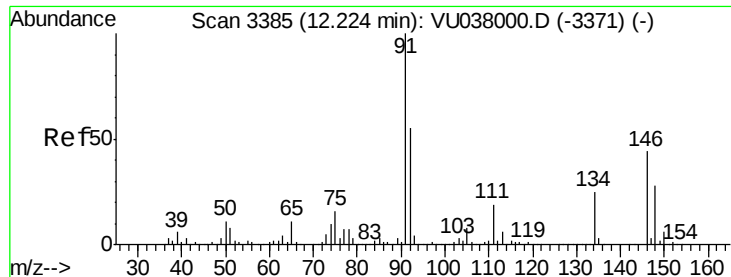
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#84
 n-Butylbenzene
 Concen: 0.229 ug/l
 RT: 12.22 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.8	65.6
134	24.4	19.4	29.2





#85

1,2-Dichlorobenzene

Concen: 0.274 ug/l

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Instrument :

MSVOA_U

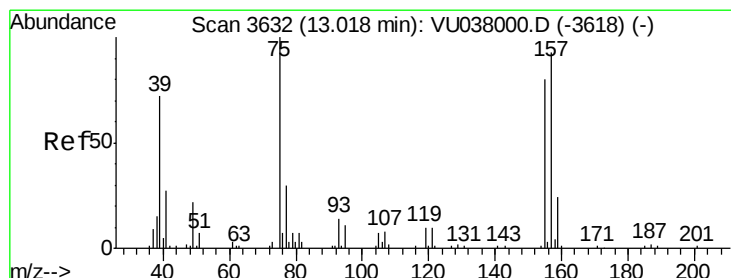
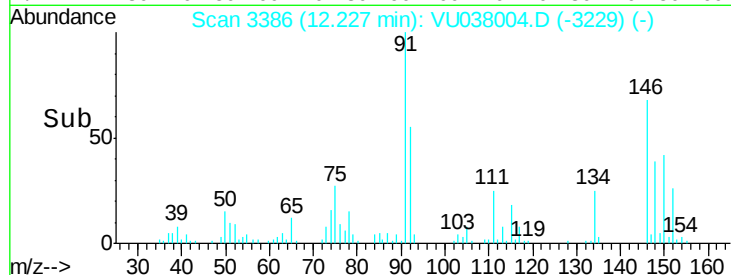
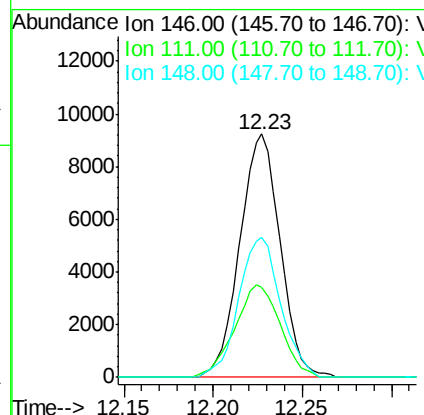
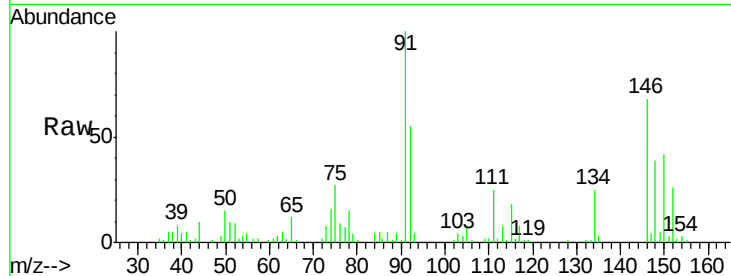
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	146	Resp:	14516
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.9	65.8
148	59.9	31.8	95.4

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#86

1,2-Dibromo-3-Chloropropane

Concen: 0.243 ug/l

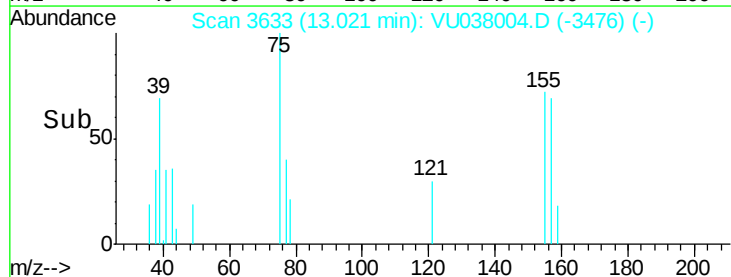
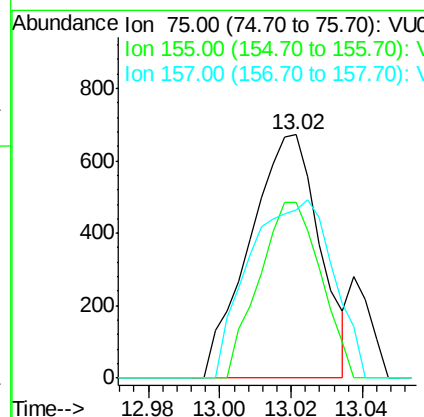
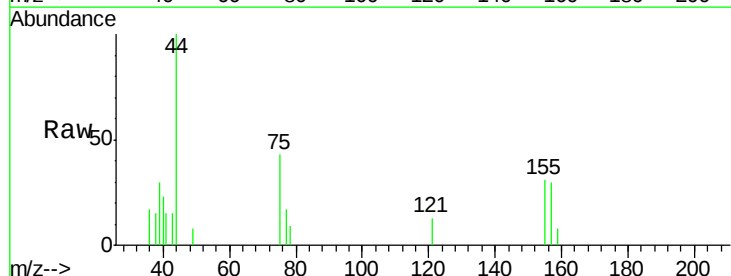
RT: 13.02 min Scan# 3633

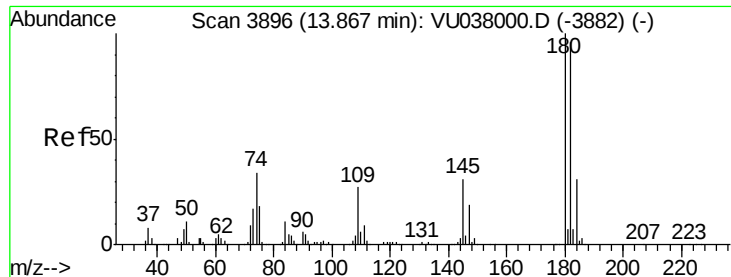
Delta R.T. 0.00 min

Lab File: VU038004.D

Acq: 04 May 2020 16:23

Tgt Ion:	75	Resp:	916
Ion Ratio	Lower	Upper	
75	100		
155	63.2	60.9	91.3
157	87.0	78.1	117.1





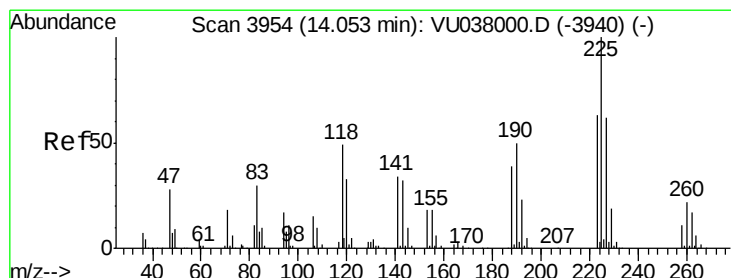
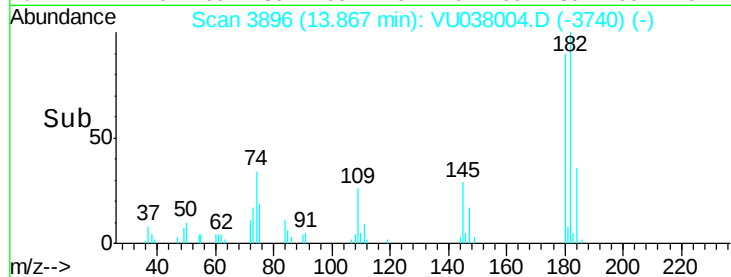
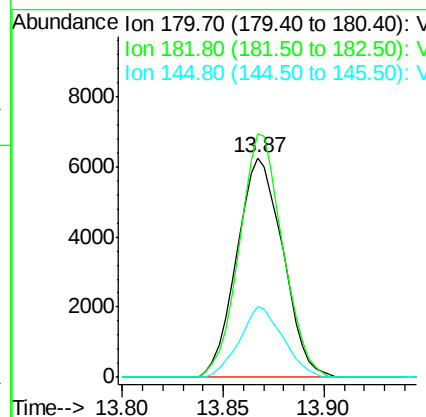
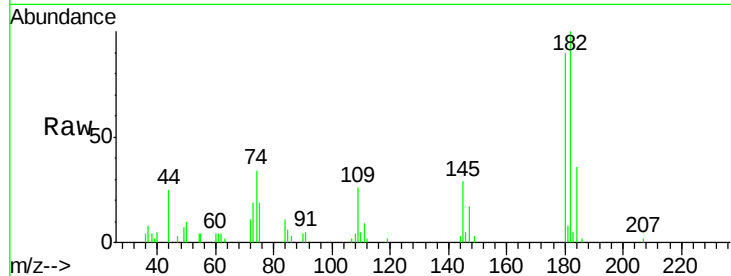
#87
 1,2,4-Trichlorobenzene
 Concen: 0.258 ug/l
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.3	76.9	115.3
145	30.4	24.7	37.1

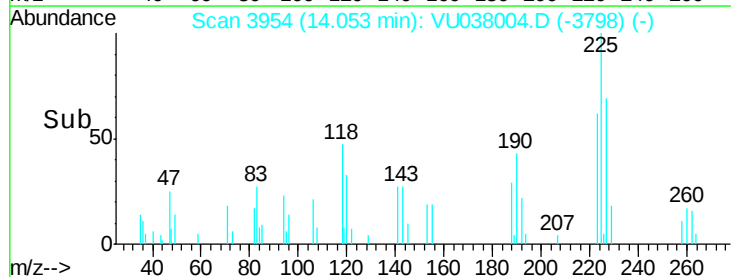
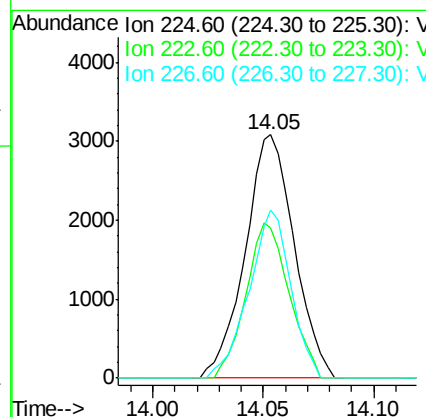
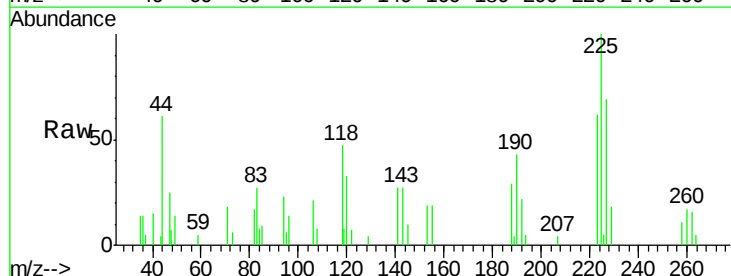
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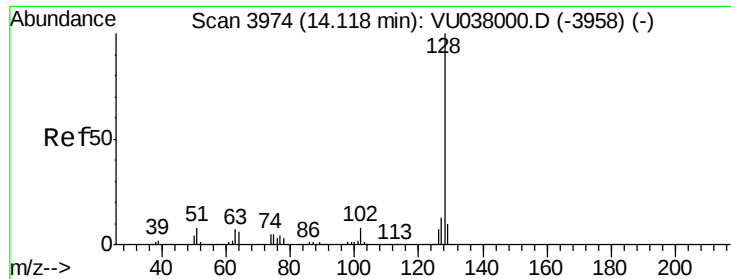
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#88
 Hexachlorobutadiene
 Concen: 0.275 ug/l
 RT: 14.05 min Scan# 3954
 Delta R.T. 0.00 min
 Lab File: VU038004.D
 Acq: 04 May 2020 16:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	56.3	51.3	76.9
227	59.0	49.2	73.8





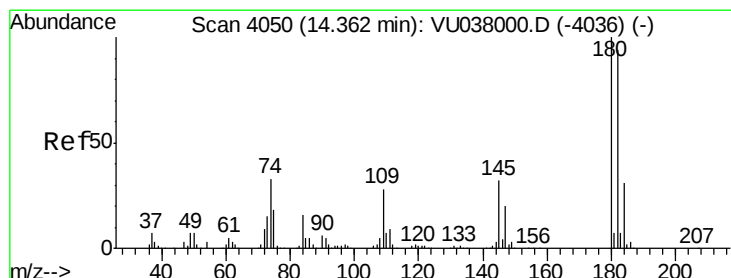
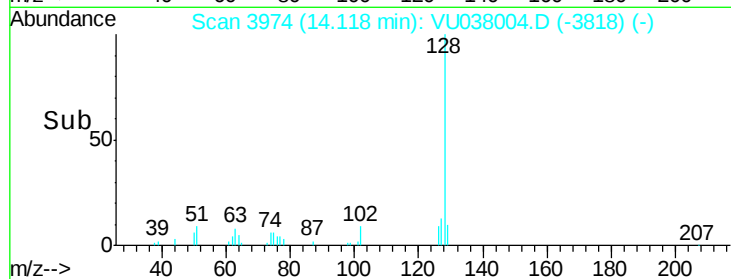
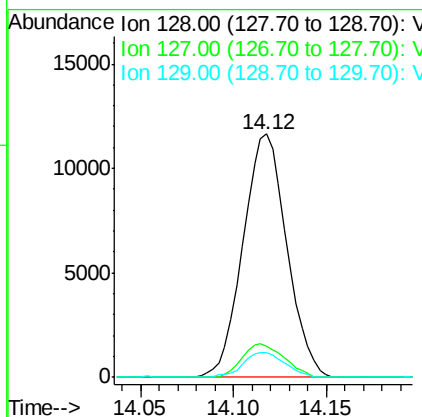
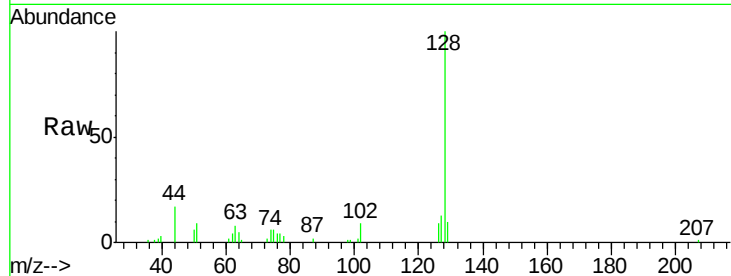
#89
Naphthalene
Concen: 0.256 ug/l
RT: 14.12 min Scan# 3974
Delta R.T. 0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	9.8	8.6	12.8

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#90
1,2,3-Trichlorobenzene
Concen: 0.281 ug/l
RT: 14.36 min Scan# 4049
Delta R.T. -0.00 min
Lab File: VU038004.D
Acq: 04 May 2020 16:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.8	75.9	113.9
145	28.2	26.0	39.0

