

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050520\
 Data File : VU038012.D
 Acq On : 05 May 2020 12:47
 Operator : JC/MD
 Sample : L2182-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 LOQ-WATER-02-QT2-2020

Manual Integrations
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apatel
 5/6/2020 10:39:26 AM

Quant Time: May 06 01:30:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed May 06 01:21:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	85066	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	31303	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	30854	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds					Ovalue	
2) Dichlorodifluoromethane	1.40	85	14063	0.487	ug/l	95
3) Chloromethane	1.54	50	16779	0.491	ug/l	100
4) Vinyl Chloride	1.62	62	16552	0.486	ug/l	99
5) Bromomethane	1.87	94	9813	0.480	ug/l	97
6) Chloroethane	1.95	64	10487	0.516	ug/l	98
7) Trichlorofluoromethane	2.16	101	17711	0.499	ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	11503	0.520	ug/l	97
9) 1,1-Dichloroethene	2.61	96	11050	0.497	ug/l	92
10) Iodomethane	2.75	142	5898	0.434	ug/l	99
11) Allyl Chloride	2.95	41	20006	0.485	ug/l	93
12) Acrylonitrile	3.35	53	6856	1.129	ug/l #	93
13) Acetone	2.65	43	13066	2.689	ug/l	98
14) Carbon Disulfide	2.82	76	40192	0.495	ug/l	100
15) Methylene Chloride	3.07	84	29624	0.964	ug/l	96
16) trans-1,2-Dichloroethene	3.38	96	12227	0.503	ug/l	87
17) 1,1-Dichloroethane	3.91	63	21784	0.472	ug/l	96
18) 2-Butanone	4.76	43	16216	2.226	ug/l	99
19) Cyclohexane	5.42	56	21050m	0.471	ug/l	
20) Methylcyclohexane	6.79	83	20903	0.477	ug/l	98
21) 2,2-Dichloropropane	4.70	77	19446	0.505	ug/l	95
22) cis-1,2-Dichloroethene	4.71	96	12364	0.481	ug/l	94
23) Diethyl Ether	2.40	59	10780	0.553	ug/l	99
24) tert-Butyl Alcohol	3.23	59	11283	5.218	ug/l #	88
25) Methyl tert-Butyl Ether	3.40	73	29529	0.485	ug/l #	81
26) Bromochloromethane	5.01	128	4990	0.482	ug/l	95
27) Chloroform	5.13	83	20814	0.481	ug/l	95
28) 1,1,1-Trichloroethane	5.35	97	16776	0.471	ug/l	98
29) 1,1-Dichloropropene	5.56	75	17780	0.496	ug/l	97
30) Carbon Tetrachloride	5.56	117	14131	0.474	ug/l	96
31) Isopropyl Ether	4.04	45	35875	0.473	ug/l	94
32) Ethyl-t-butyl ether	4.55	59	30854	0.450	ug/l	100
33) Tert-Amyl methyl ether	5.98	73	26647	0.451	ug/l	96
34) Propionitrile	4.83	54	4906	2.352	ug/l #	95
35) Benzene	5.81	78	49086	0.489	ug/l	98
36) 1,2-Dichloroethane	5.83	62	14889	0.501	ug/l	99
37) Trichloroethene	6.57	130	12867	0.488	ug/l	94
38) 1,2-Dichloropropane	6.82	63	12957	0.480	ug/l	99
39) Methacrylonitrile	5.02	41	4822	0.494	ug/l	93
40) Methyl acrylate	4.89	55	7454	0.518	ug/l #	92
41) Tetrahydrofuran	5.11	42	5242	1.076	ug/l	96
42) 1-Chlorobutane	5.49	56	24386	0.472	ug/l	98

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 LOQ-WATER-02-QT2-2020

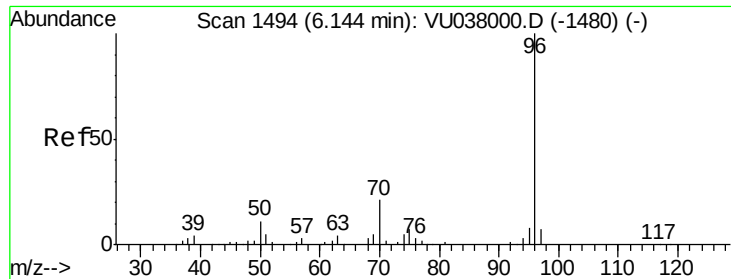
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	5603	0.445	ug/l	93
44) Bromodichloromethane	7.14	83	14559	0.461	ug/l	98
45) 4-Methyl-2-Pentanone	7.82	43	39373	2.296	ug/l	99
46) t-1,4-Dichloro-2-butene	10.85	75	5293m	0.998	ug/l	
47) Methyl methacrylate	7.00	69	11813	0.923	ug/l	96
48) Ethyl methacrylate	8.36	69	10930	0.461	ug/l	99
49) Toluene	7.99	92	30253	0.477	ug/l	98
50) t-1,3-Dichloropropene	8.23	75	13301	0.412	ug/l	93
51) cis-1,3-Dichloropropene	7.63	75	16447	0.424	ug/l	92
52) 1,1,2-Trichloroethane	8.43	97	8205	0.461	ug/l	93
53) 1,3-Dichloropropane	8.60	76	16909	0.506	ug/l	99
54) 2-Hexanone	8.71	43	27524	2.274	ug/l	97
55) Dibromochloromethane	8.84	129	8485	0.430	ug/l	94
56) 1,2-Dibromoethane	8.95	107	7446	0.443	ug/l	98
58) Tetrachloroethene	8.57	164	12468	0.507	ug/l	97
59) Chlorobenzene	9.47	112	33059	0.491	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.56	131	8817	0.431	ug/l	97
61) Pentachloroethane	11.45	117	6773	0.442	ug/l	99
62) Hexachloroethane	12.49	117	6194	0.388	ug/l	99
63) Ethyl Benzene	9.59	91	54543	0.455	ug/l	99
64) m/p-Xylenes	9.71	106	42129	0.913	ug/l	96
65) o-Xylene	10.12	106	20222	0.450	ug/l	97
66) Styrene	10.13	104	32302	0.436	ug/l	97
67) Bromoform	10.31	173	4213	0.406	ug/l #	92
69) Isopropylbenzene	10.50	105	53236	0.453	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.80	83	10546	0.462	ug/l	100
71) 1,2,3-Trichloropropane	10.84	75	5627m	0.333	ug/l	
72) Bromobenzene	10.80	156	12458	0.475	ug/l	95
73) n-propylbenzene	10.93	120	14503	0.450	ug/l	99
74) 2-Chlorotoluene	11.01	126	13052	0.483	ug/l	90
75) 1,3,5-Trimethylbenzene	11.11	105	41401	0.426	ug/l	97
76) 4-Chlorotoluene	11.11	126	13398	0.477	ug/l	91
77) tert-Butylbenzene	11.44	119	40473	0.437	ug/l	98
78) 1,2,4-Trimethylbenzene	11.48	105	42332	0.423	ug/l	100
79) sec-Butylbenzene	11.66	105	56243	0.424	ug/l	98
80) Nitrobenzene	13.23	77	1161	1.715	ug/l #	89
81) p-Isopropyltoluene	11.81	119	45600	0.426	ug/l	99
82) 1,3-Dichlorobenzene	11.76	146	26062	0.480	ug/l	99
83) 1,4-Dichlorobenzene	11.85	146	25466	0.463	ug/l	98
84) n-Butylbenzene	12.22	91	46747	0.438	ug/l	99
85) 1,2-Dichlorobenzene	12.23	146	23557	0.466	ug/l	95
86) 1,2-Dibromo-3-Chloropropan	13.02	75	1593	0.443	ug/l	87
87) 1,2,4-Trichlorobenzene	13.87	180	16402	0.444	ug/l	96
88) Hexachlorobutadiene	14.06	225	7014	0.424	ug/l	95
89) Naphthalene	14.12	128	30375	0.427	ug/l	99
90) 1,2,3-Trichlorobenzene	14.37	180	15209	0.462	ug/l	99

(#) = 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: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

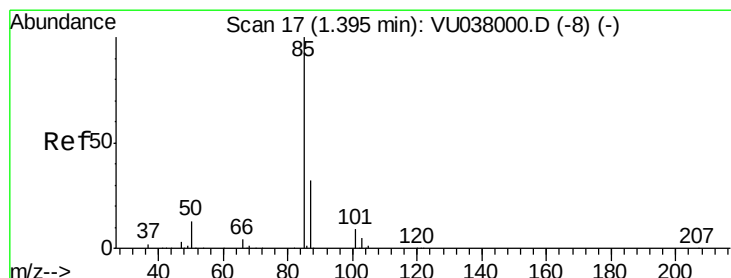
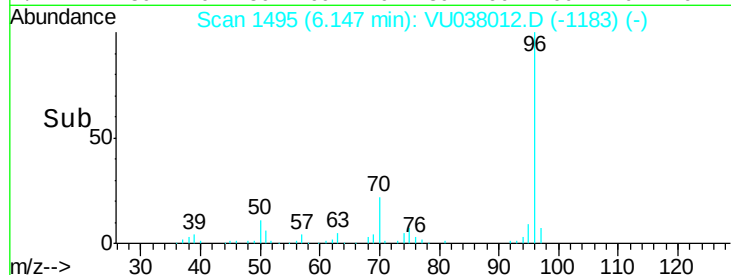
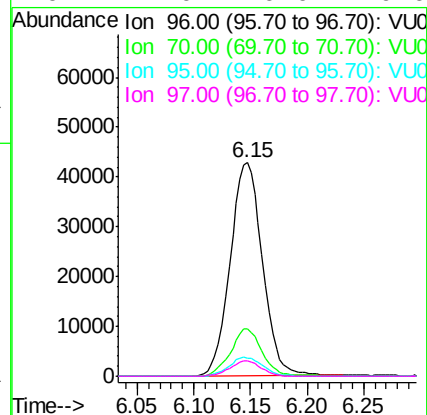
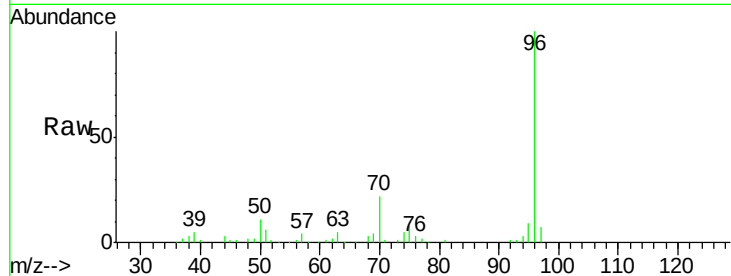
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion	96	Resp	85066
Ion	Ratio	Lower	Upper
96	100		
70	20.7	14.4	21.6
95	9.0	7.1	10.7
97	7.0	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.487 ug/l

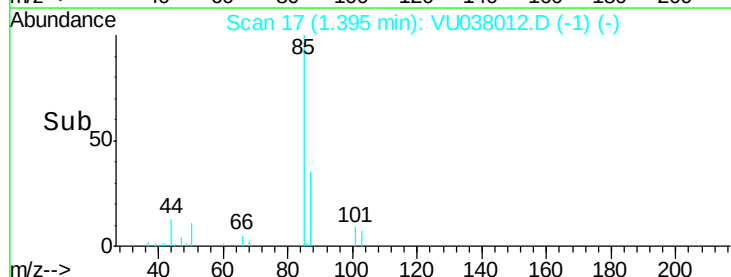
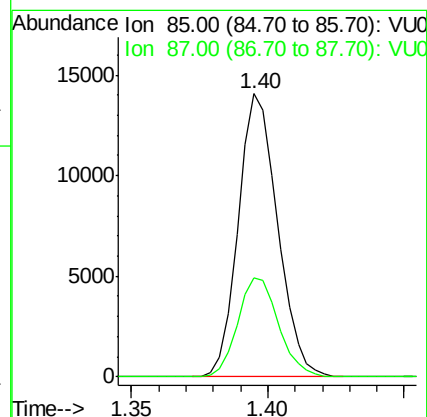
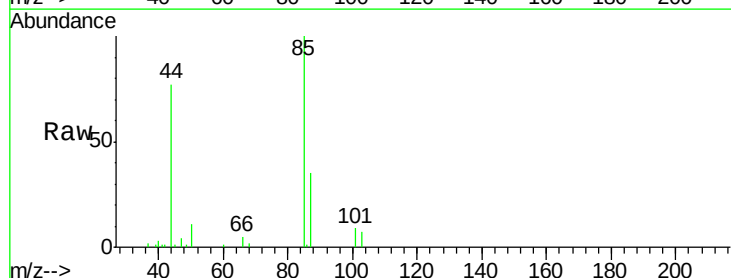
RT: 1.40 min Scan# 17

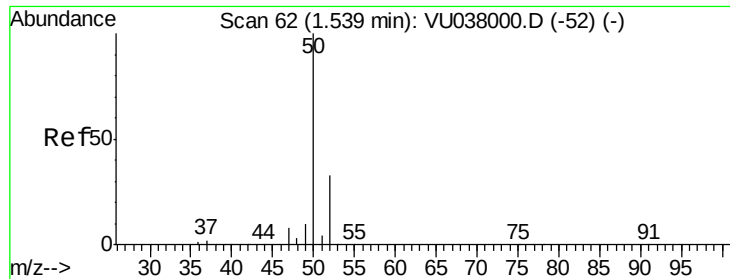
Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Tgt Ion	85	Resp	14063
Ion	Ratio	Lower	Upper
85	100		
87	35.1	16.2	48.5





#3

Chloromethane

Concen: 0.491 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 50 Resp: 16779

Ion Ratio Lower Upper

50 100

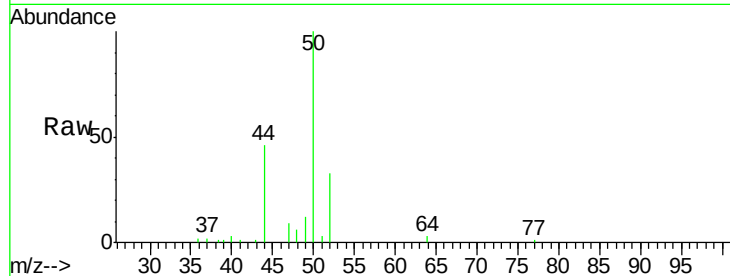
52 32.7 26.1 39.1

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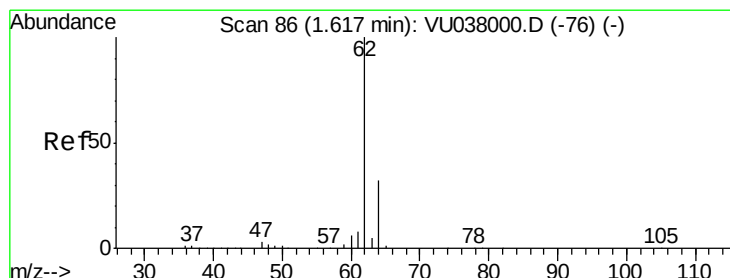
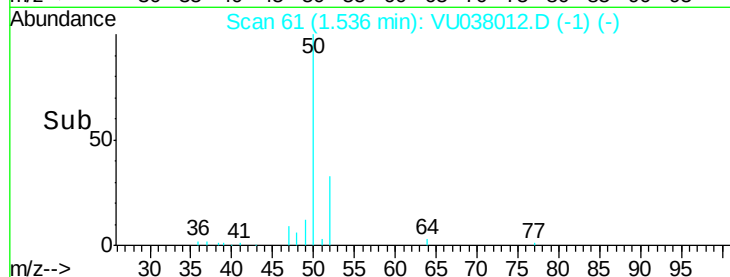
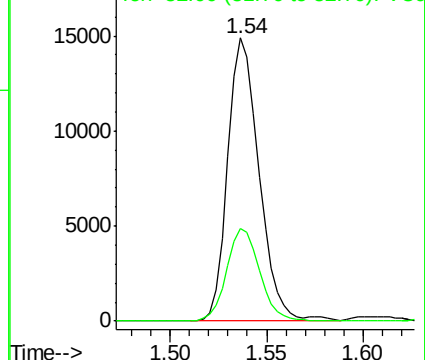
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 0.486 ug/l

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038012.D

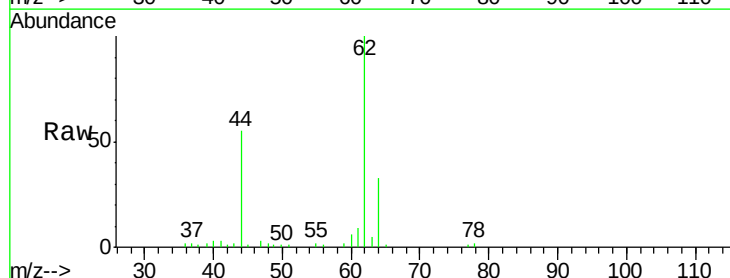
Acq: 05 May 2020 12:47

Tgt Ion: 62 Resp: 16552

Ion Ratio Lower Upper

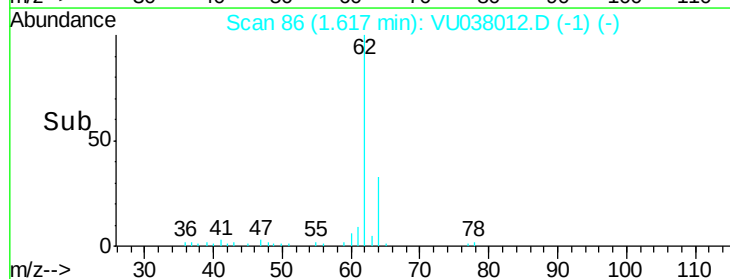
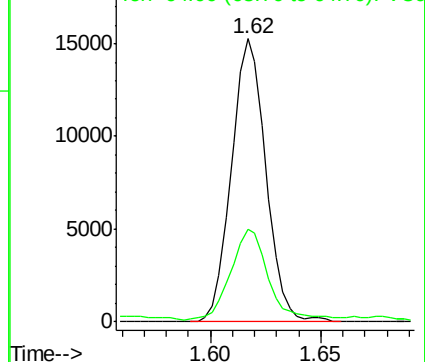
62 100

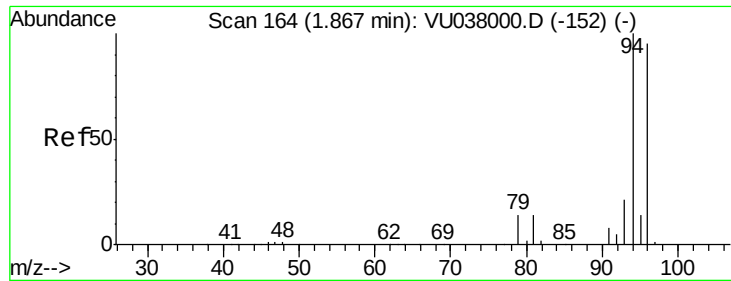
64 31.6 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.480 ug/l

RT: 1.87 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 94 Resp: 9813

Ion Ratio Lower Upper

94 100

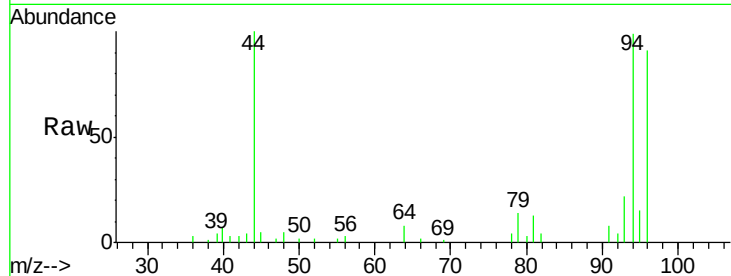
96 92.5 76.1 114.1

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Abundance Ion 94.00 (93.70 to 94.70): VU038012.D (-8) (-)

Ion 96.00 (95.70 to 96.70): VU038012.D (-8) (-)

8000

6000

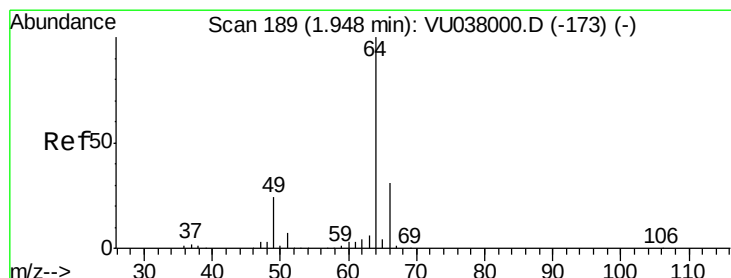
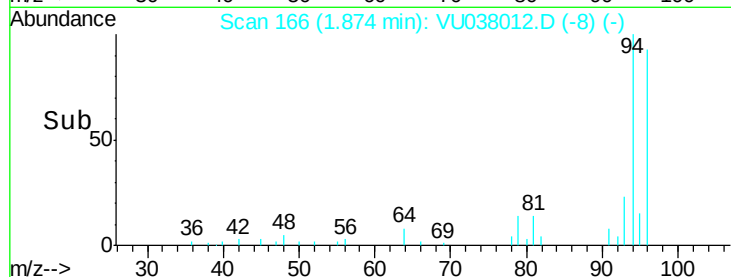
4000

2000

0

1.85 1.87 1.90

Time-->



#6

Chloroethane

Concen: 0.516 ug/l

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038012.D

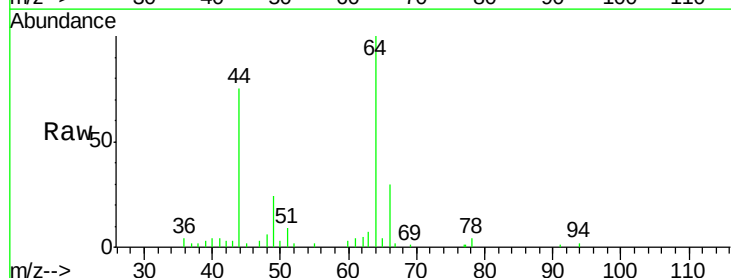
Acq: 05 May 2020 12:47

Tgt Ion: 64 Resp: 10487

Ion Ratio Lower Upper

64 100

66 32.2 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VU038012.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VU038012.D (-33) (-)

8000

6000

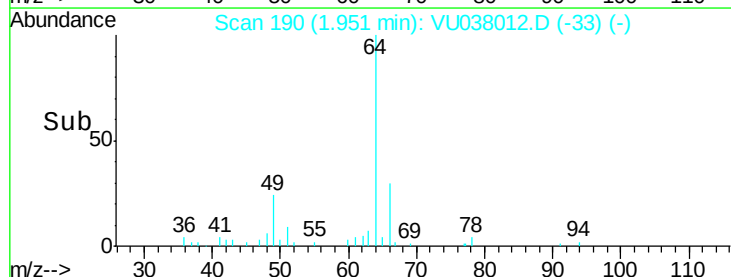
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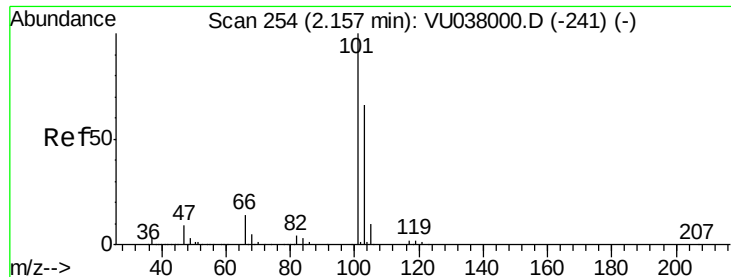
2000

0

1.90 1.95 2.00

Time-->





#7

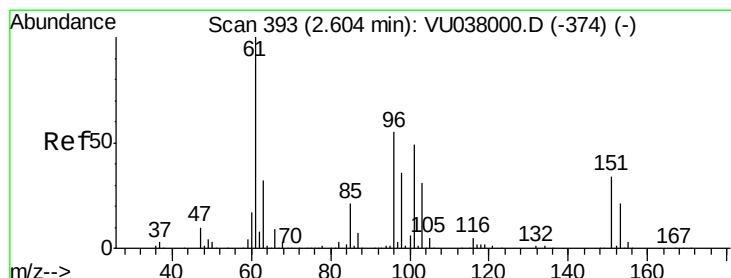
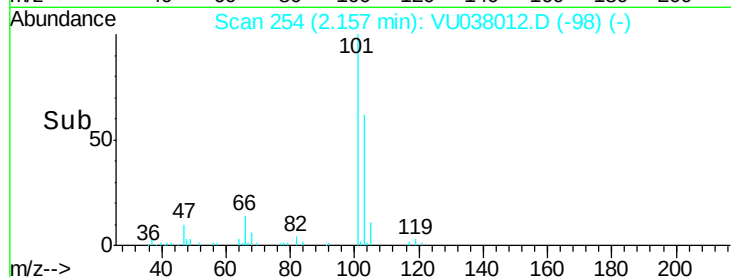
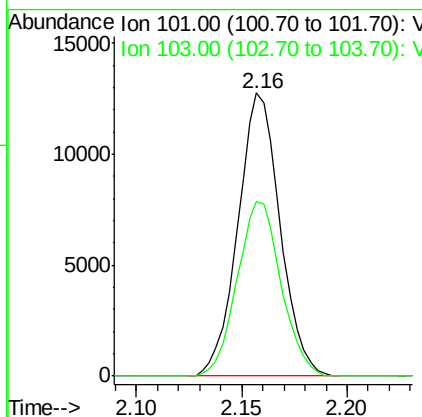
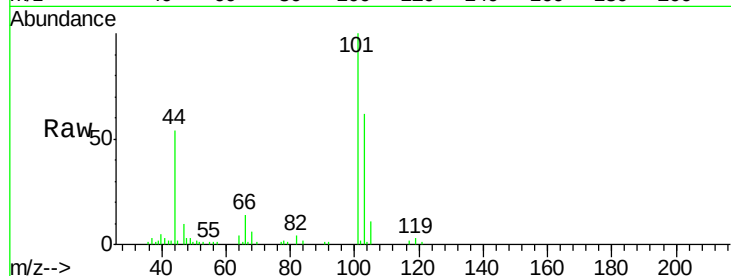
Trichlorofluoromethane
Concen: 0.499 ug/l
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
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LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	52.6	78.8

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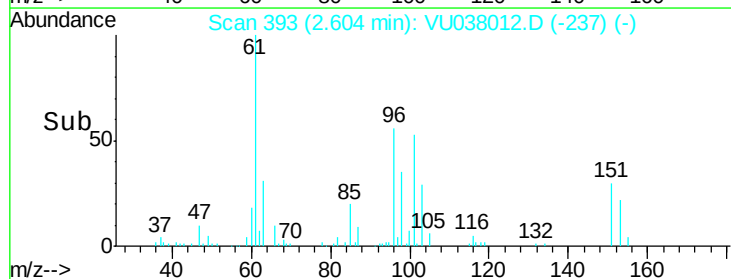
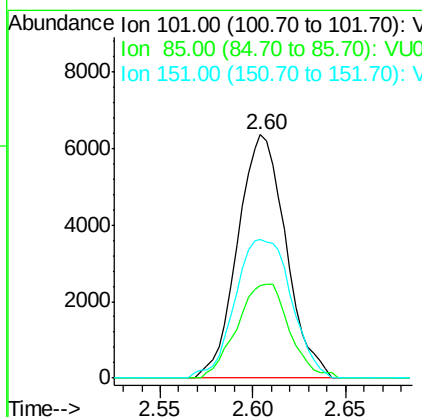
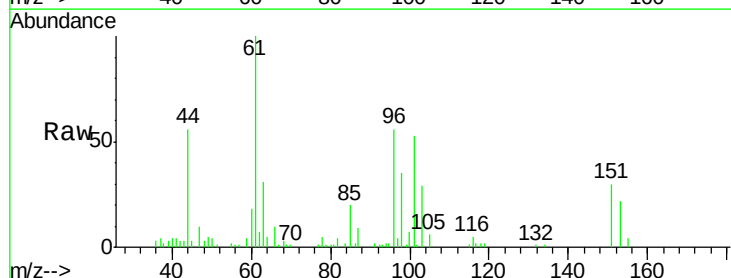
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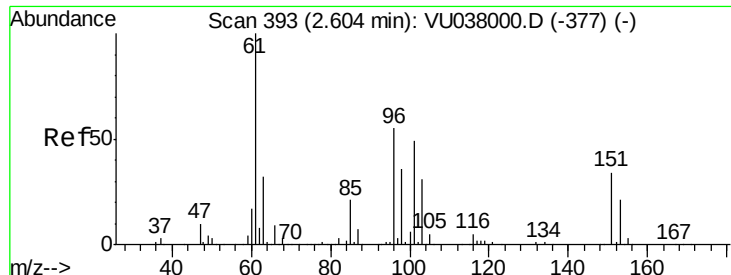


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.520 ug/l
RT: 2.60 min Scan# 393
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
101	100		
85	41.8	35.5	53.3
151	66.8	55.2	82.8





#9

1,1-Dichloroethene

Concen: 0.497 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

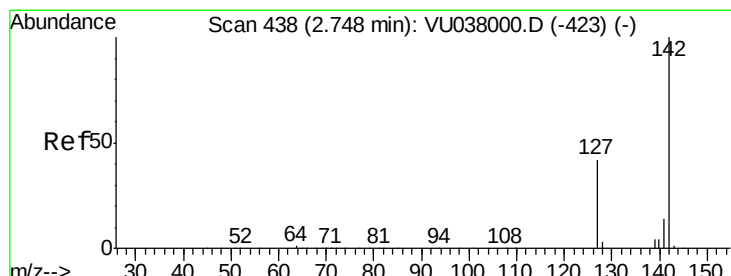
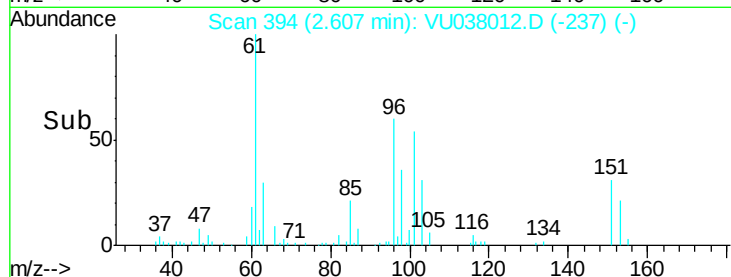
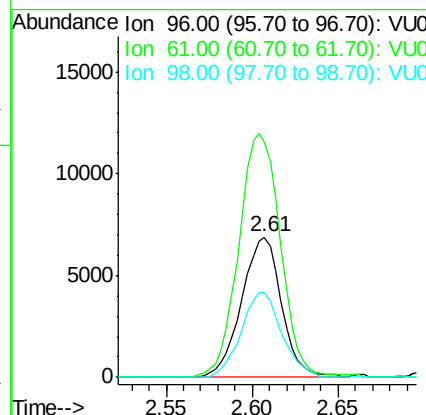
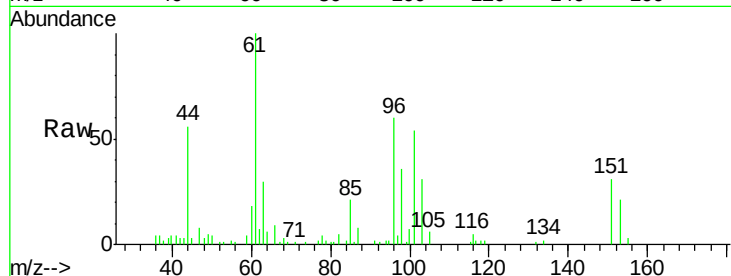
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	96	Resp:	11050
Ion	Ratio	Lower	Upper
96	100		
61	167.9	0.0	543.0
98	60.5	0.0	129.4

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#10

Iodomethane

Concen: 0.434 ug/l

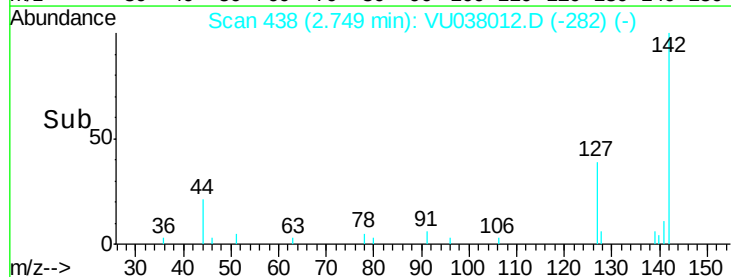
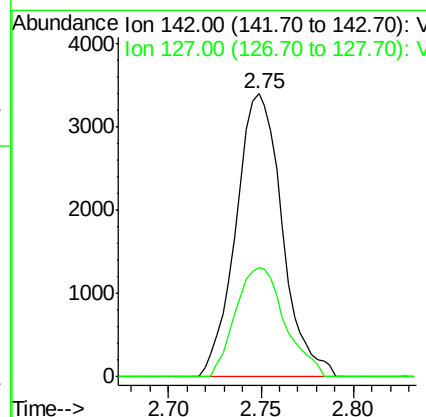
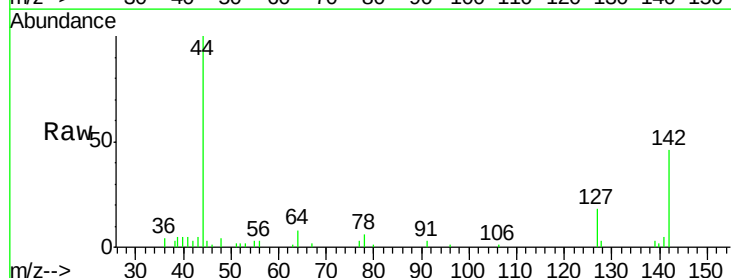
RT: 2.75 min Scan# 438

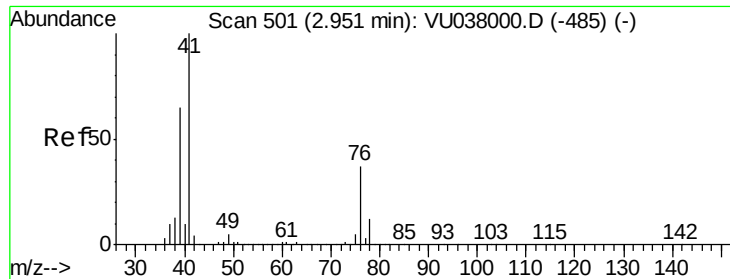
Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Tgt Ion:	142	Resp:	5898
Ion	Ratio	Lower	Upper
142	100		
127	41.0	33.5	50.3





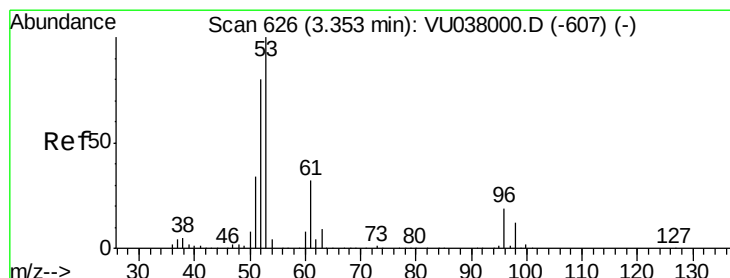
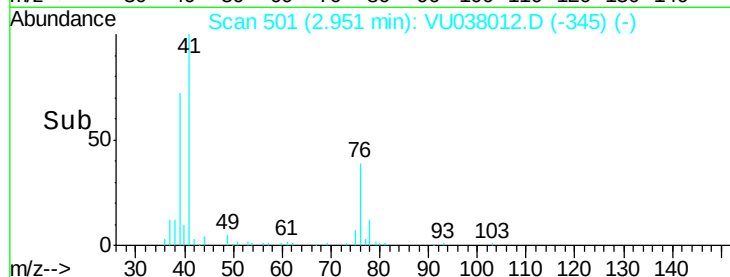
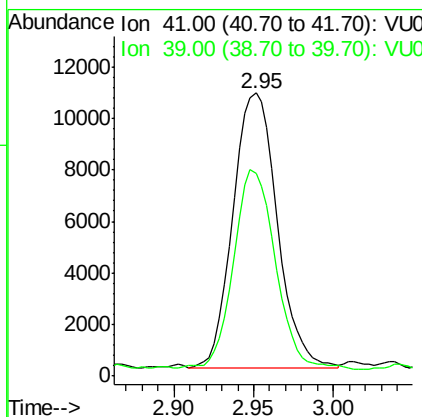
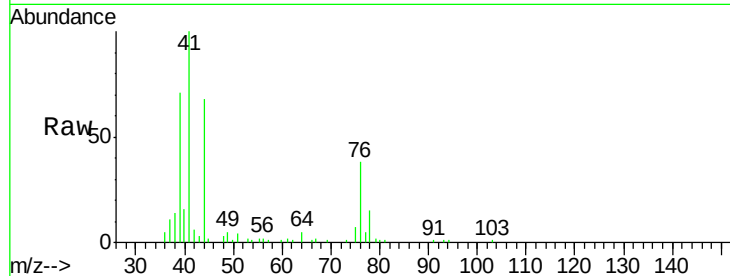
#11
Allvl Chloride
Concen: 0.485 ug/l
RT: 2.95 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 41 Resp: 20006
Ion Ratio Lower Upper
41 100
39 69.9 51.7 77.5

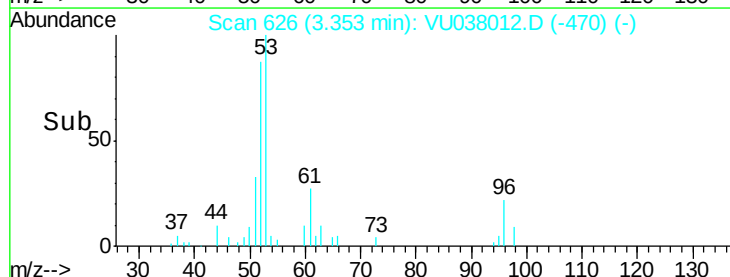
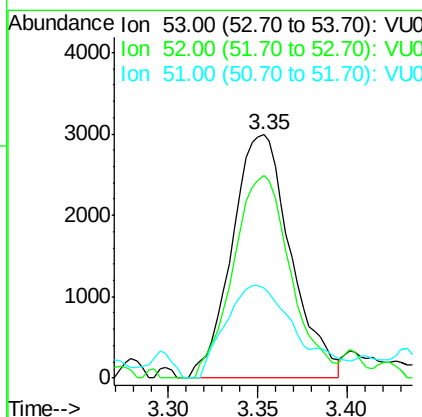
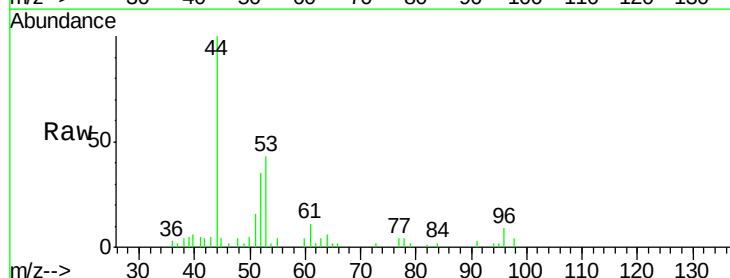
Manual Integrations
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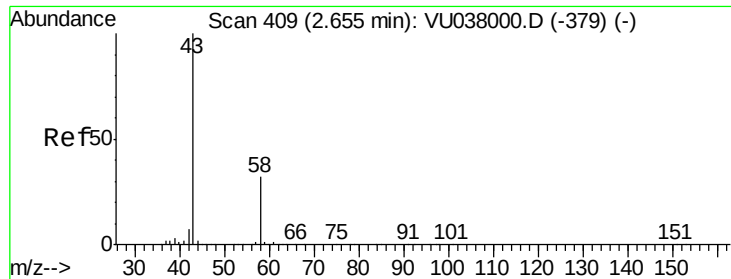
apatel
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#12
Acrylonitrile
Concen: 1.129 ug/l
RT: 3.35 min Scan# 626
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion: 53 Resp: 6856
Ion Ratio Lower Upper
53 100
52 81.6 63.3 94.9
51 46.5 30.2 45.2#





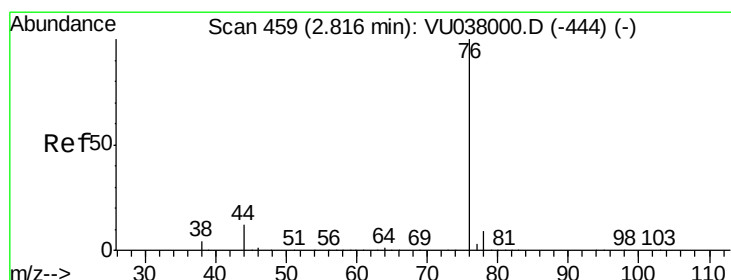
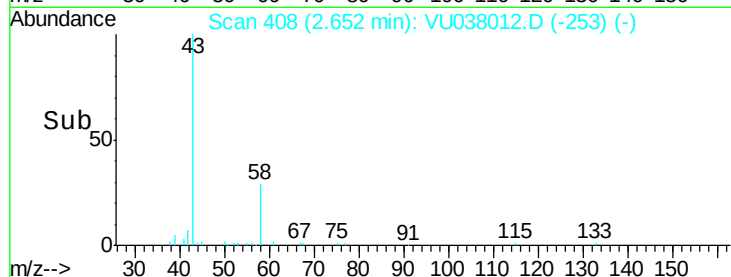
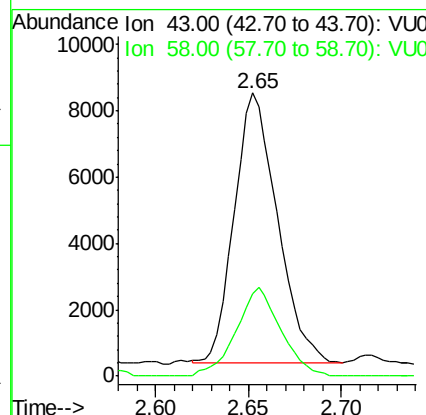
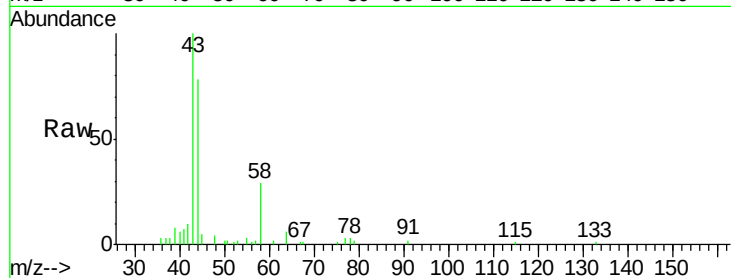
#13
Acetone
Concen: 2.689 ug/l
RT: 2.65 min Scan# 408
Delta R.T. -0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 13066
Ion Ratio Lower Upper
43 100
58 30.5 25.2 37.8

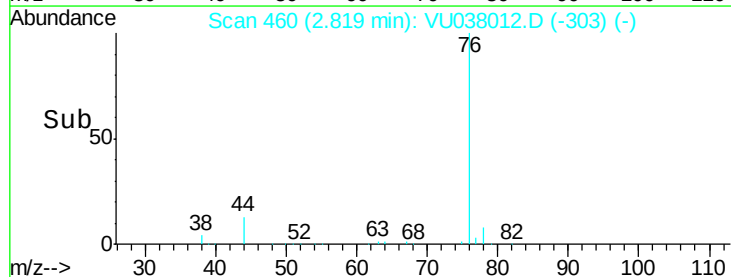
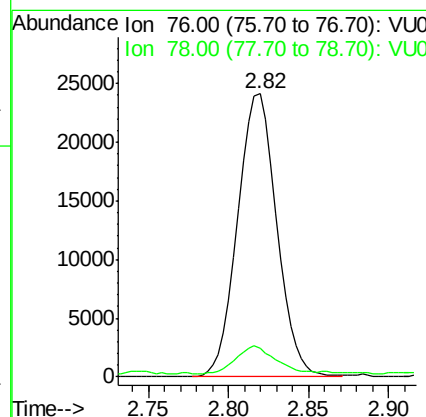
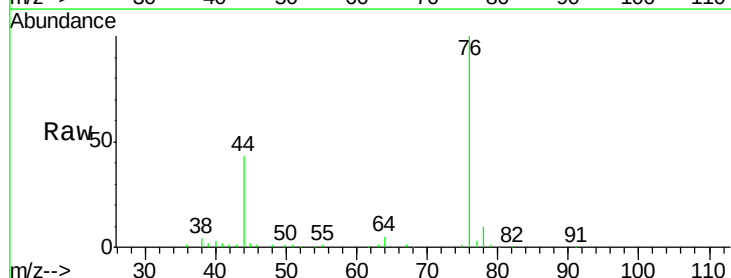
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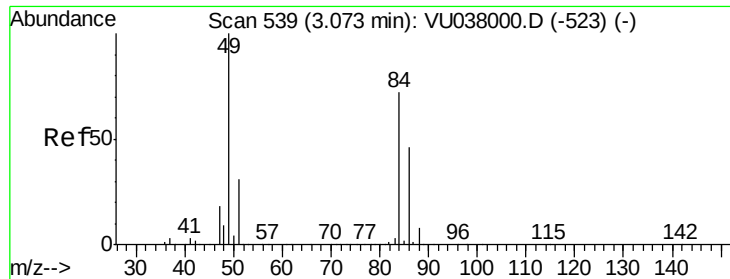
apatel
5/6/2020 10:39:26 AM



#14
Carbon Disulfide
Concen: 0.495 ug/l
RT: 2.82 min Scan# 460
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion: 76 Resp: 40192
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6





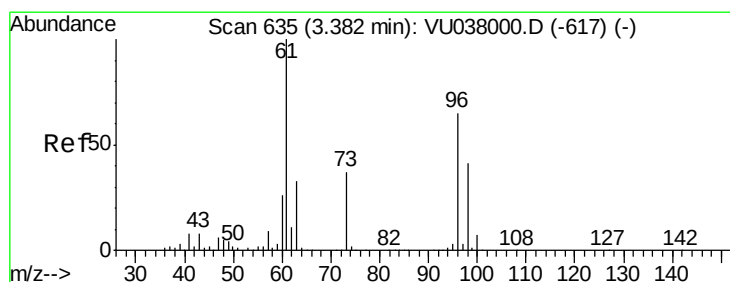
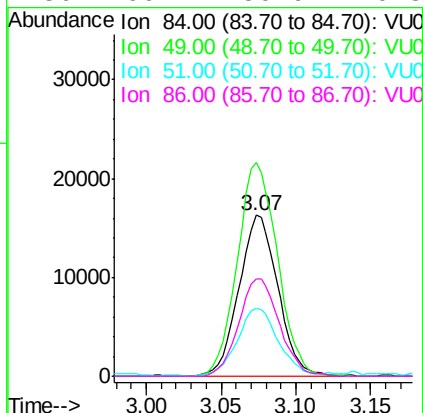
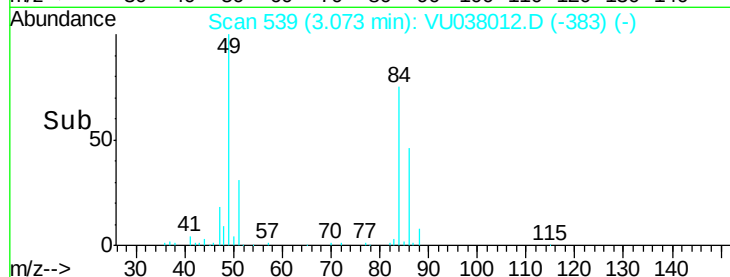
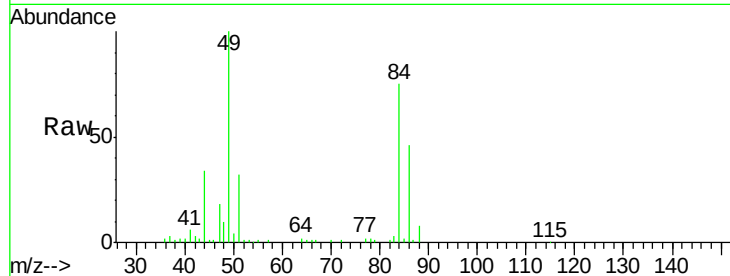
#15
Methylene Chloride
Concen: 0.964 ug/l
RT: 3.07 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion:	84	Resp:	29624
Ion	Ratio	Lower	Upper
84	100		
49	132.8	110.6	166.0
51	42.4	0.0	85.4
86	60.7	50.9	76.3

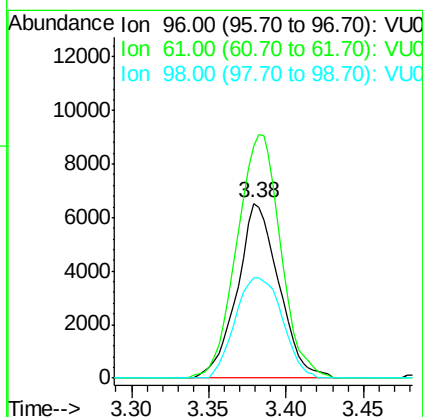
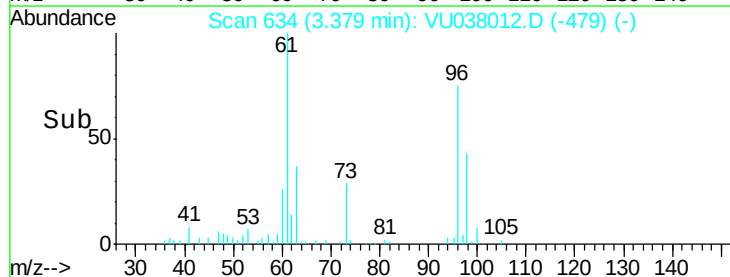
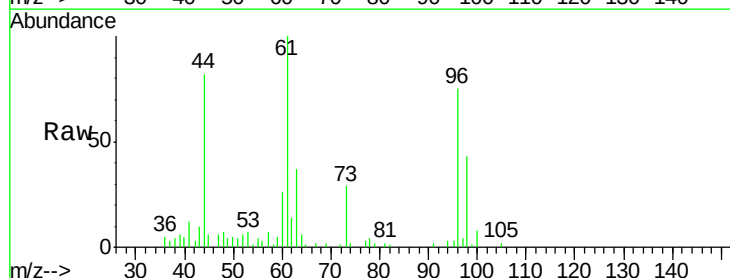
Manual Integrations
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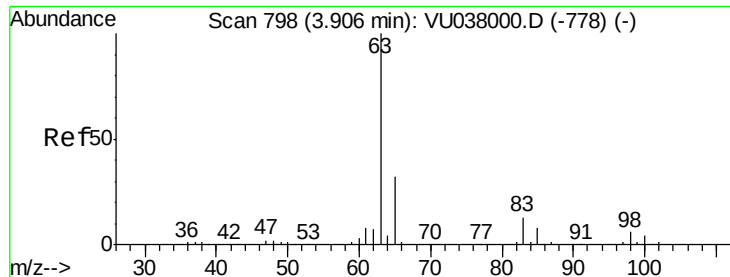
apatel
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#16
trans-1,2-Dichloroethene
Concen: 0.503 ug/l
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion:	96	Resp:	12227
Ion	Ratio	Lower	Upper
96	100		
61	133.1	122.4	183.6
98	57.6	50.1	75.1





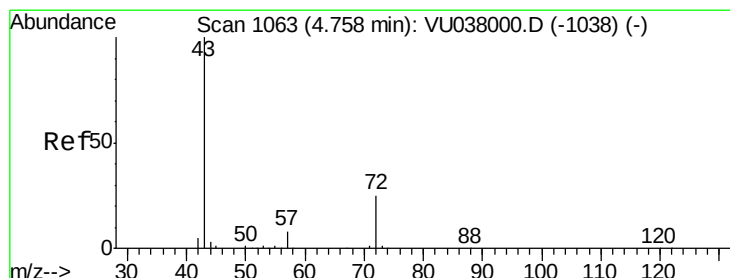
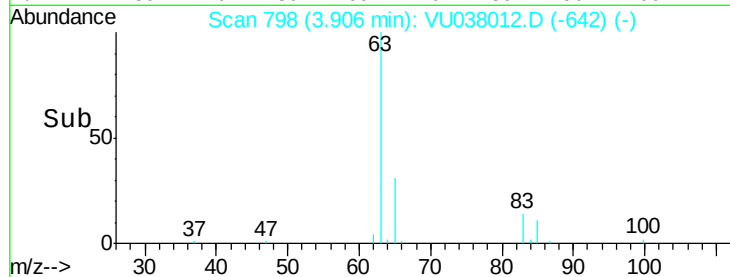
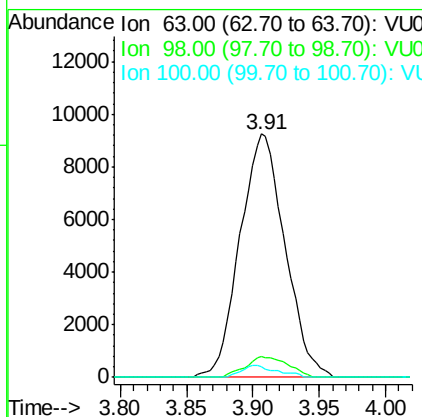
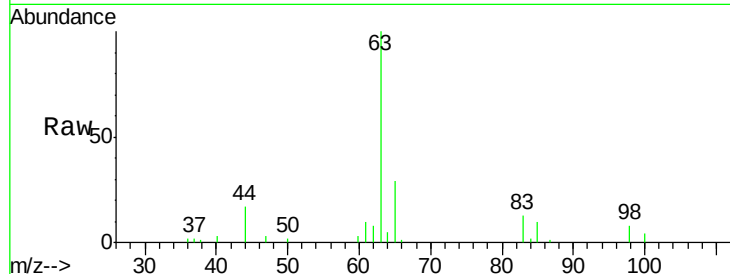
#17
 1,1-Dichloroethane
 Concen: 0.472 ug/l
 RT: 3.91 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion:	63	Resp:	21784
Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.1	9.4
100	4.2	2.2	6.6

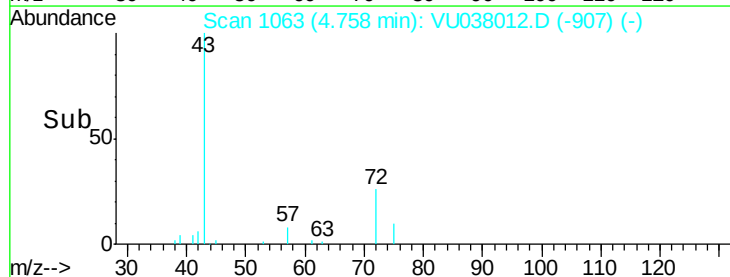
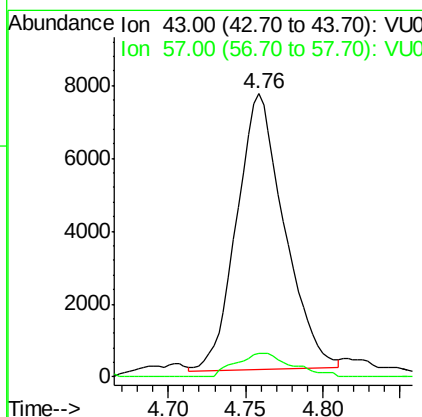
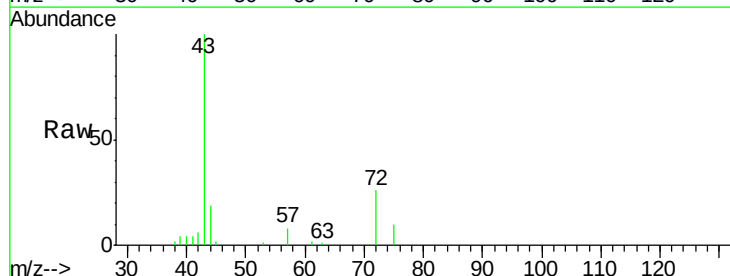
Manual Integrations
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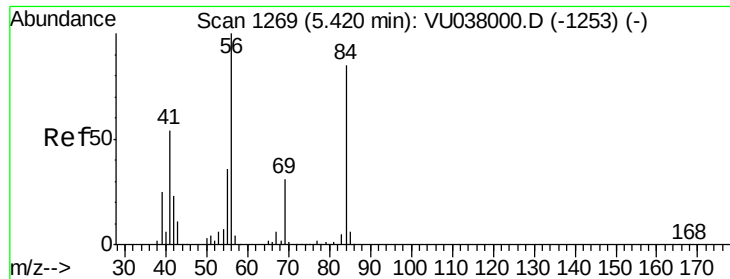
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#18
 2-Butanone
 Concen: 2.226 ug/l
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Tgt Ion:	43	Resp:	16216
Ion	Ratio	Lower	Upper
43	100		
57	8.7	0.0	16.6





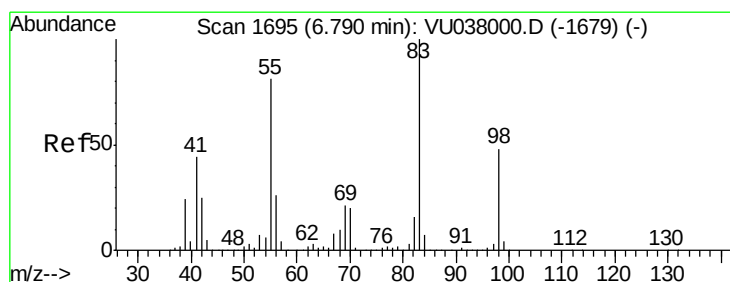
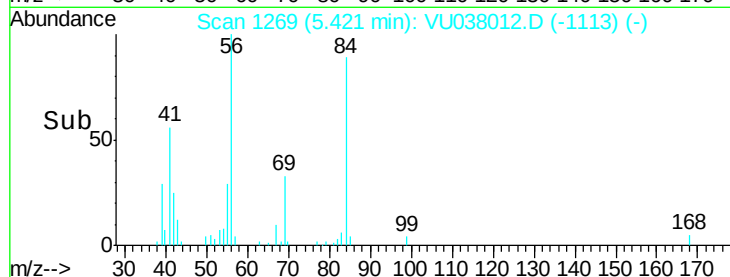
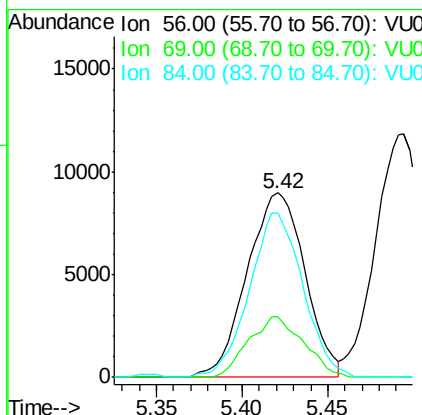
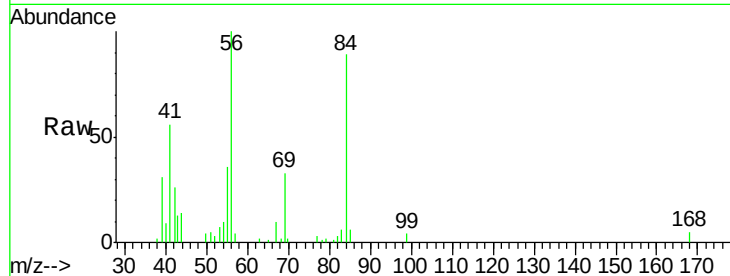
#19
Cyclohexane
Concen: 0.471 ug/l m
RT: 5.42 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.3	36.5
84	82.6	66.3	99.5

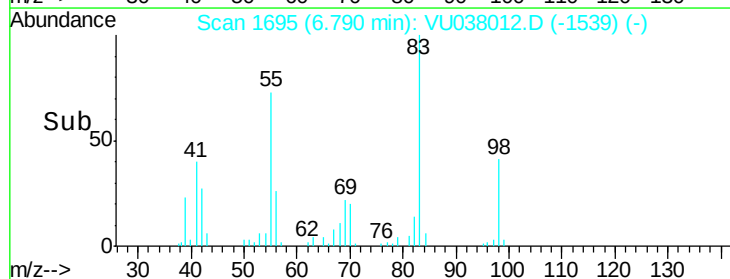
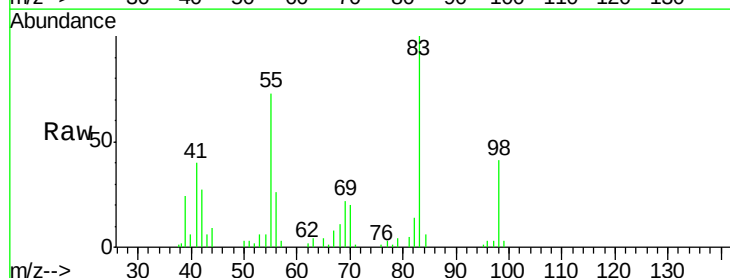
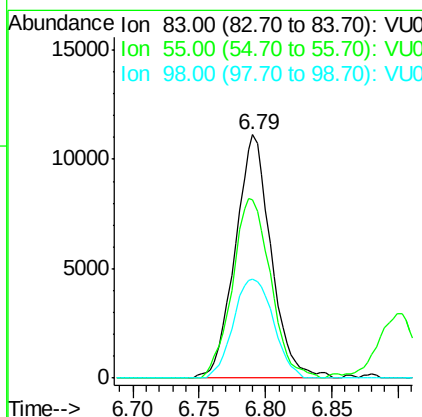
Manual Integrations
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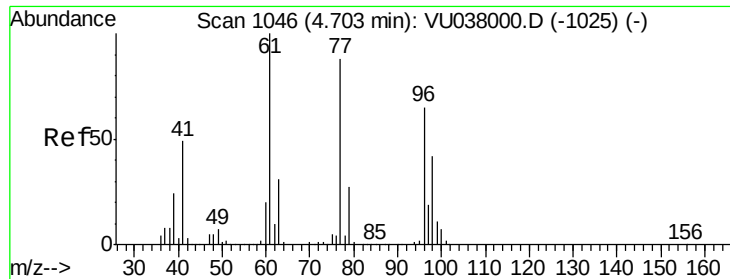
apatel
5/6/2020 10:39:26 AM



#20
Methylcyclohexane
Concen: 0.477 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.3	61.5	92.3
98	45.2	37.3	55.9





#21

2,2-Dichloropropane

Concen: 0.505 ug/l

RT: 4.70 min Scan# 1046

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 77 Resp: 19446

Ion Ratio Lower Upper

77 100

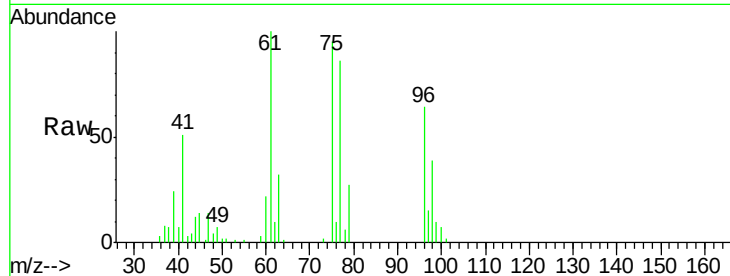
97 19.2 17.4 26.2

Manual Integrations

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apatel

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Abundance Ion 77.00 (76.70 to 77.70): VU038012.D (-890) (-)

Ion 97.00 (96.70 to 97.70): VU038012.D (-890) (-)

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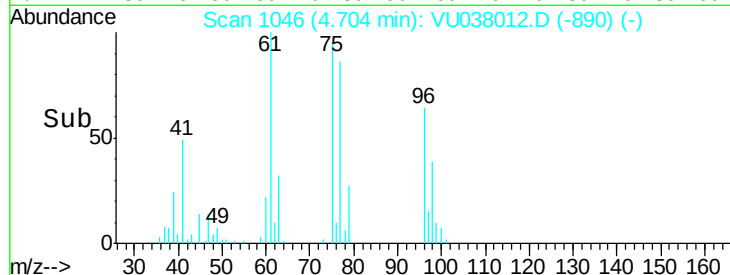
4.70

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4.70



#22

cis-1,2-Dichloroethene

Concen: 0.481 ug/l

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

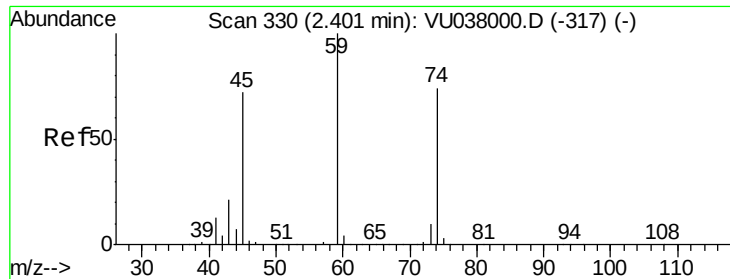
Lab File: VU038012.D

Acq: 05 May 2020 12:47

Tgt Ion: 96 Resp: 12364

Ion Ratio Lower Upper

96 100



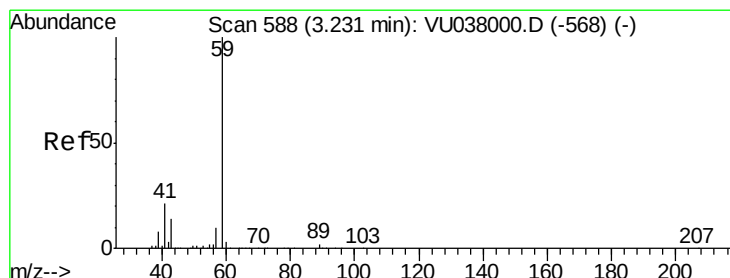
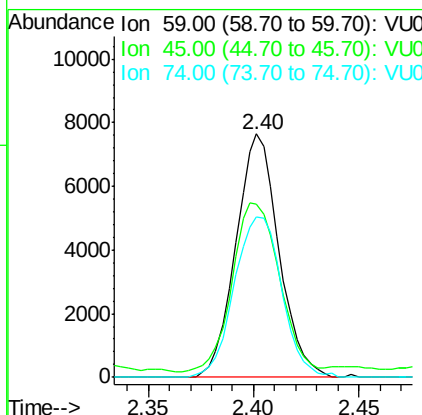
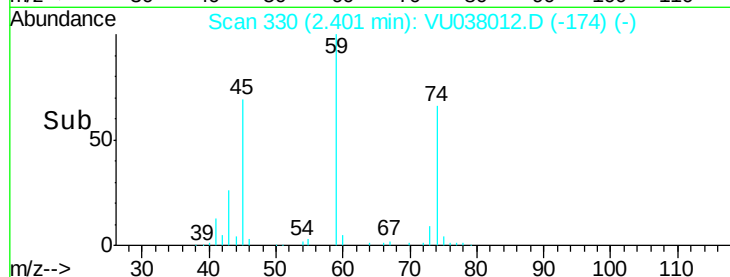
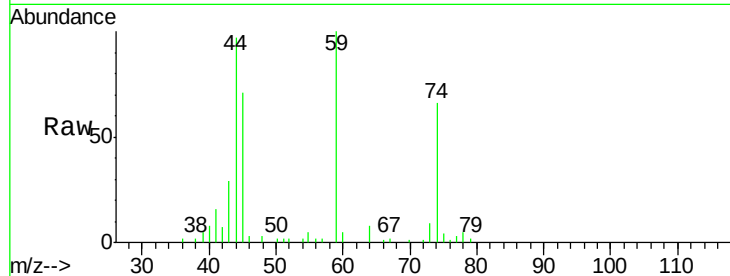
#23
Diethyl Ether
Concen: 0.553 ug/l
RT: 2.40 min Scan# 330
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
59	100		
45	76.5	59.8	89.6
74	73.3	58.2	87.4

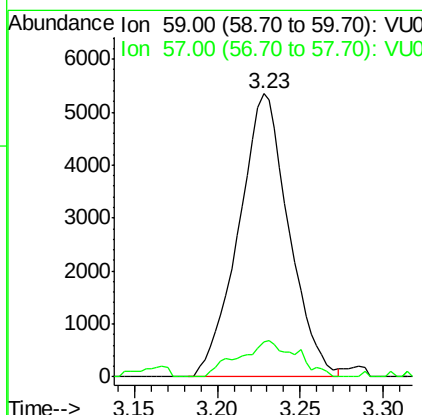
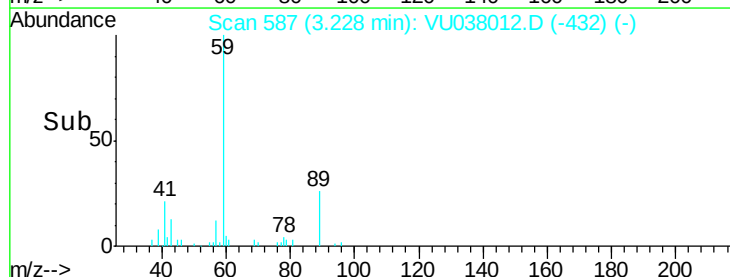
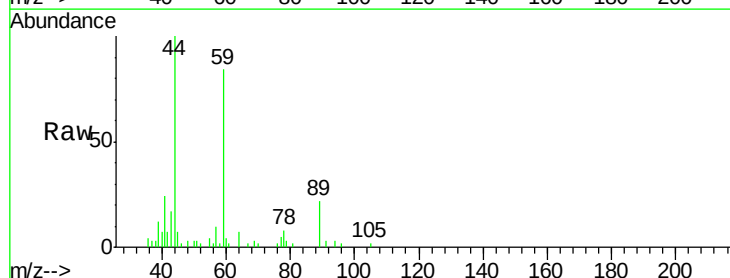
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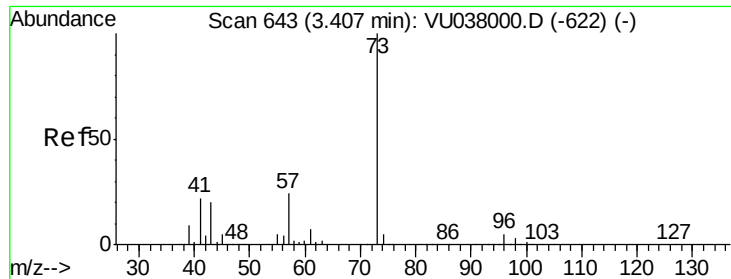
apatel
5/6/2020 10:39:26 AM



#24
tert-Butyl Alcohol
Concen: 5.218 ug/l
RT: 3.23 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
59	100		
57	14.7	8.2	12.4#





#25

Methyl tert-Butyl Ether

Concen: 0.485 ug/l

RT: 3.40 min Scan# 642

Delta R.T. -0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 73 Resp: 29529

Ion Ratio Lower Upper

73 100

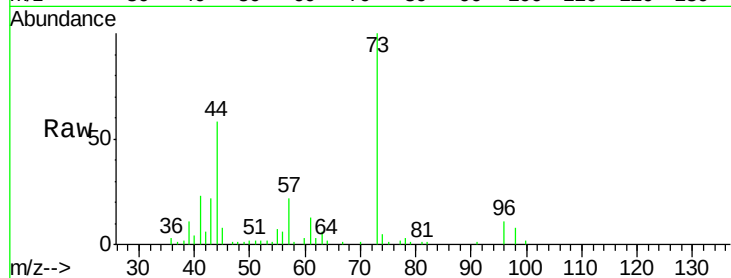
43 28.8 16.2 24.2#

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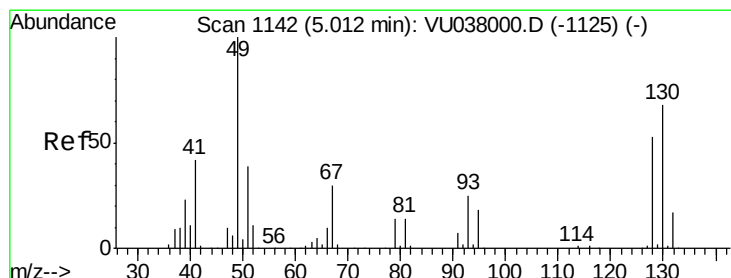
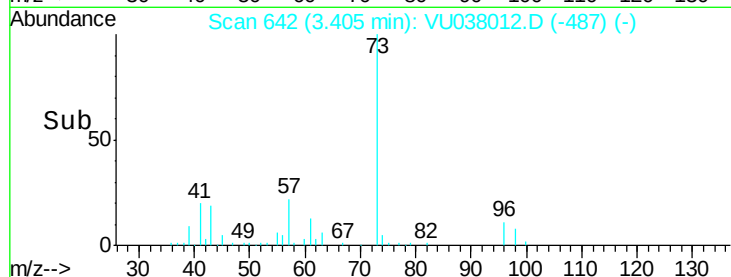


Abundance Ion 73.00 (72.70 to 73.70): VU038012.D (-622) (-)

Ion 43.00 (42.70 to 43.70): VU038012.D (-622) (-)

Time-->

3.30 3.35 3.40 3.45 3.50



#26

Bromochloromethane

Concen: 0.482 ug/l

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

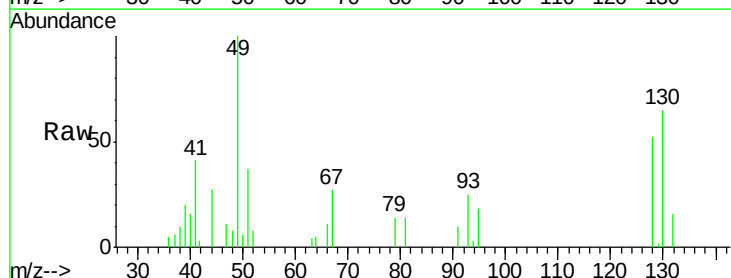
Tgt Ion: 128 Resp: 4990

Ion Ratio Lower Upper

128 100

49 195.1 0.0 376.0

130 123.6 102.6 153.8



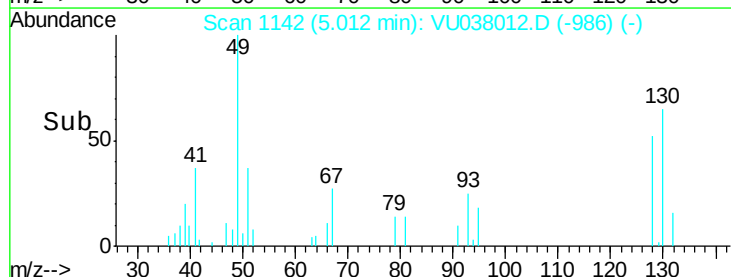
Abundance Ion 128.00 (127.70 to 128.70): VU038012.D (-986) (-)

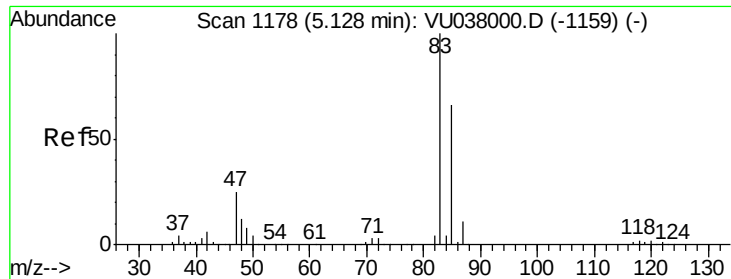
Ion 49.00 (48.70 to 49.70): VU038012.D (-986) (-)

Ion 130.00 (129.70 to 130.70): VU038012.D (-986) (-)

Time-->

4.95 5.00 5.05





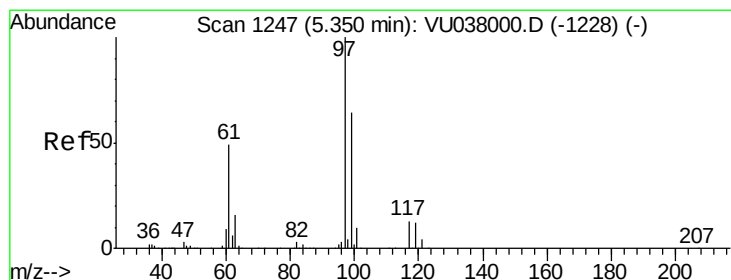
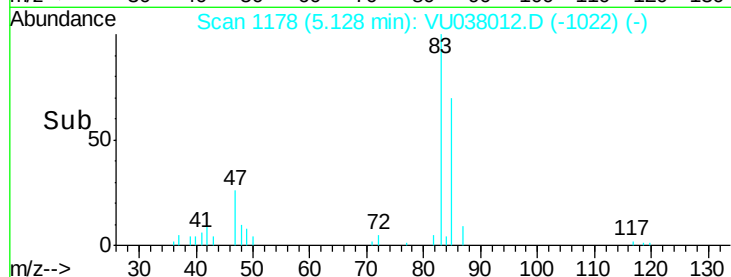
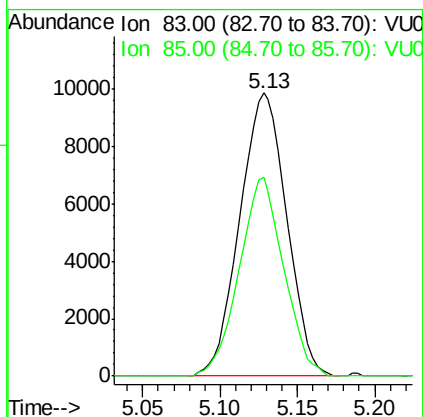
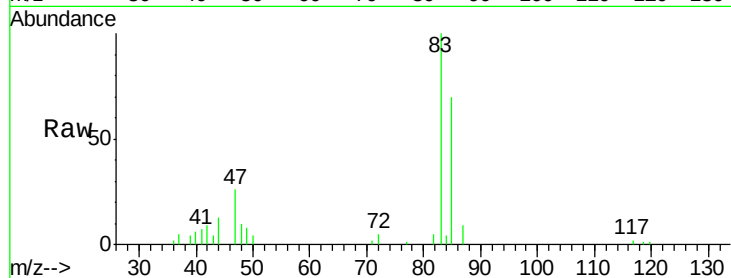
#27
Chloroform
Concen: 0.481 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	83	Resp	20814
Ion Ratio	100	Lower	Upper
85	70.1	0.0	132.0

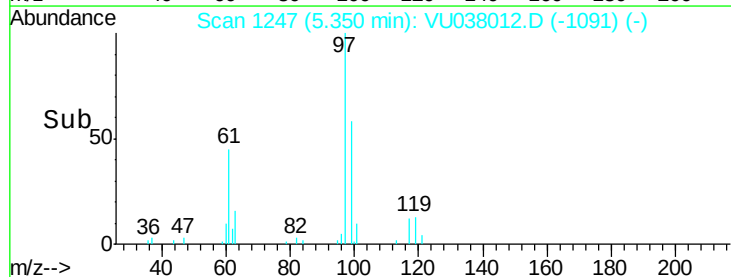
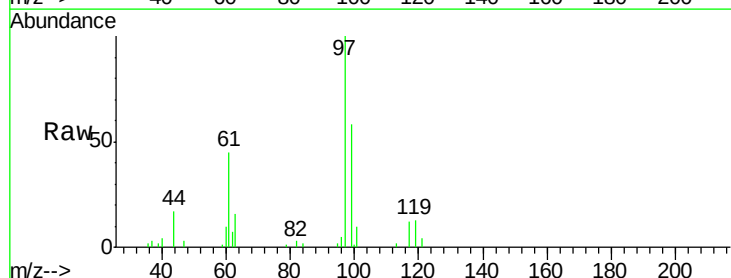
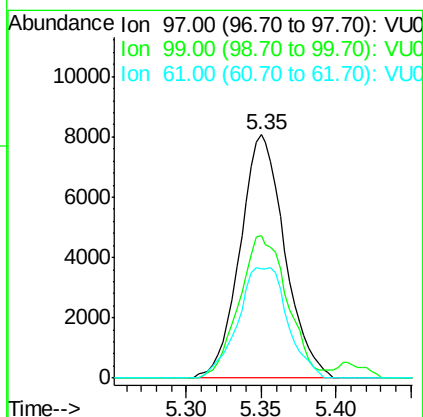
Manual Integrations
APPROVED

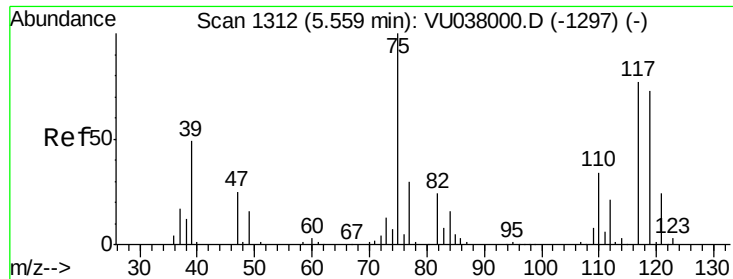
apatel
5/6/2020 10:39:26 AM



#28
1,1,1-Trichloroethane
Concen: 0.471 ug/l
RT: 5.35 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion	97	Resp	16776
Ion Ratio	100	Lower	Upper
99	63.4	31.9	95.9
61	50.3	24.1	72.4





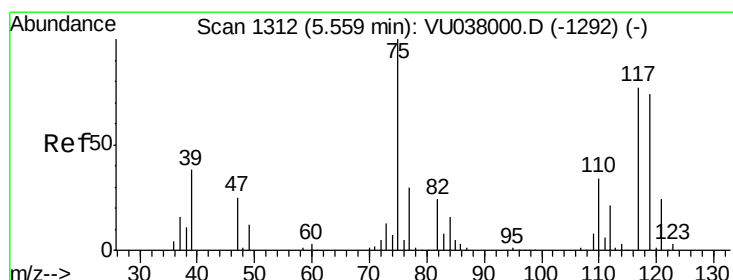
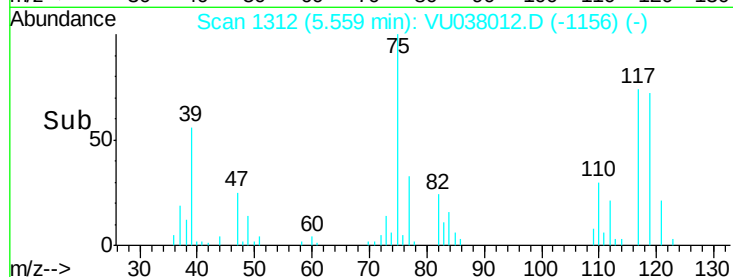
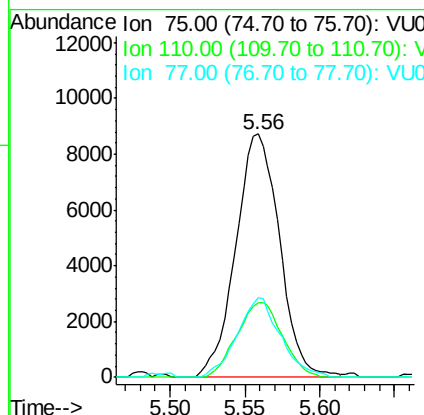
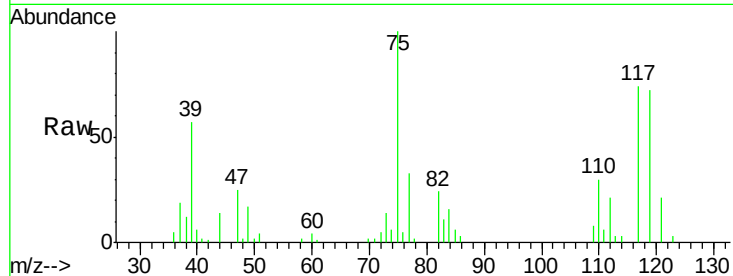
#29
 1,1-Dichloropropene
 Concen: 0.496 ug/l
 RT: 5.56 min Scan# 1312
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.9	16.7	50.1
77	32.5	24.5	36.7

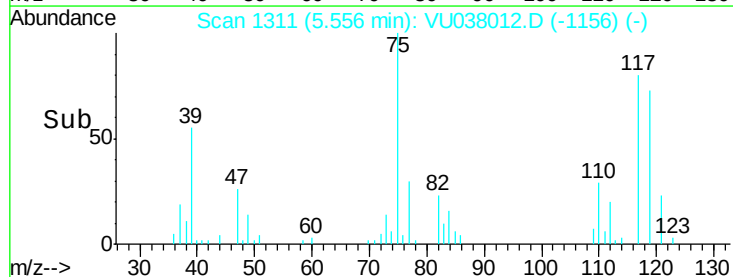
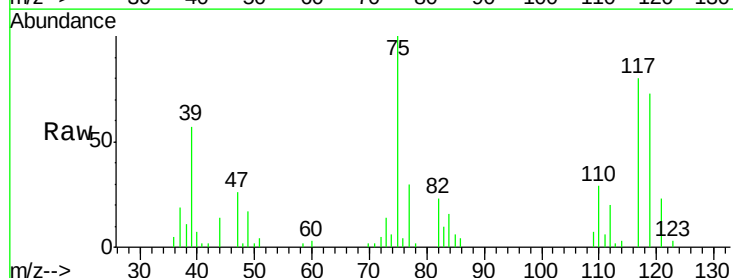
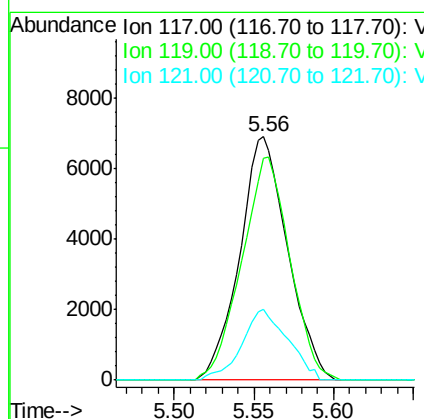
Manual Integrations
 APPROVED

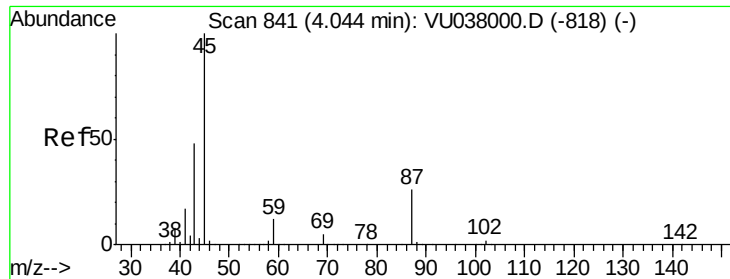
apatel
 5/6/2020 10:39:26 AM



#30
 Carbon Tetrachloride
 Concen: 0.474 ug/l
 RT: 5.56 min Scan# 1311
 Delta R.T. -0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	76.3	114.5
121	28.9	24.7	37.1





#31

Isopropyl Ether

Concen: 0.473 ug/l

RT: 4.04 min Scan# 839

Delta R.T. -0.01 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 45 Resp: 35875

Ion Ratio Lower Upper

45 100

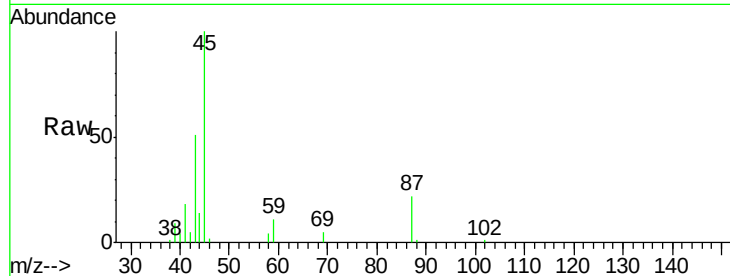
43 52.4 24.2 72.6

Manual Integrations

APPROVED

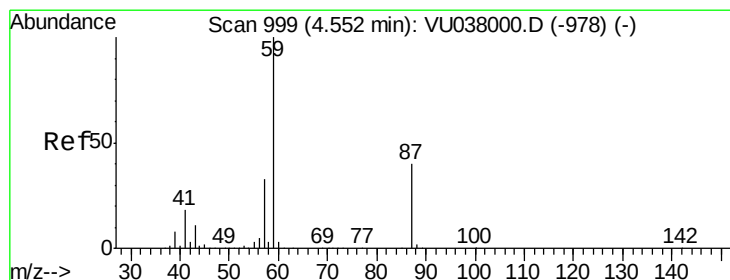
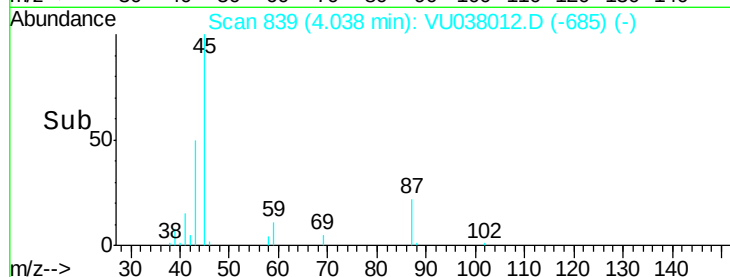
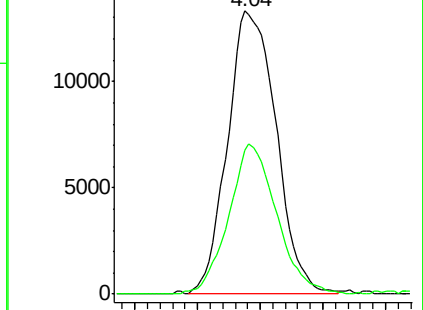
apatel

5/6/2020 10:39:26 AM



Abundance Ion 45.00 (44.70 to 45.70): VU038012.D (-839) (-)

Ion 43.00 (42.70 to 43.70): VU038012.D (-839) (-)



#32

Ethyl-t-butyl ether

Concen: 0.450 ug/l

RT: 4.55 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU038012.D

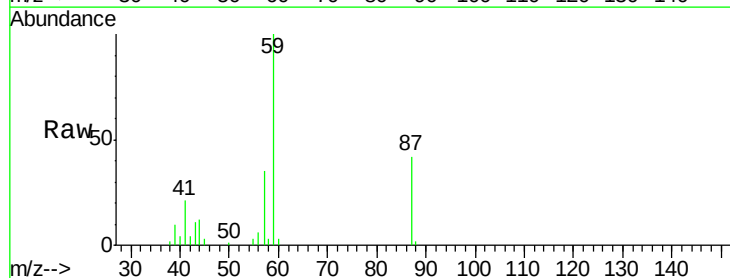
Acq: 05 May 2020 12:47

Tgt Ion: 59 Resp: 30854

Ion Ratio Lower Upper

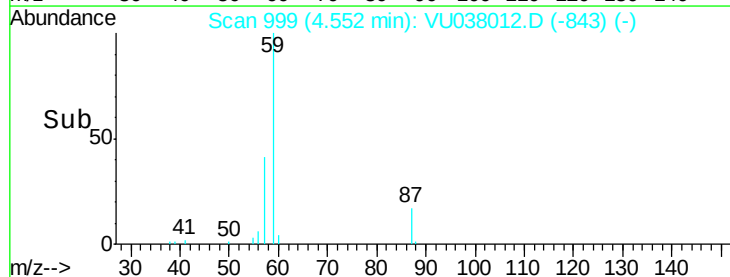
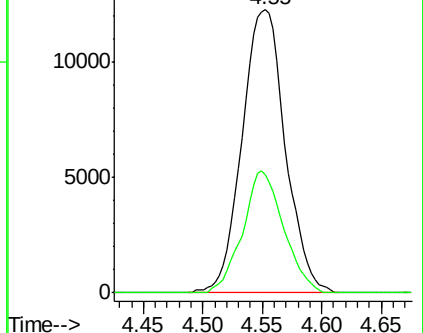
59 100

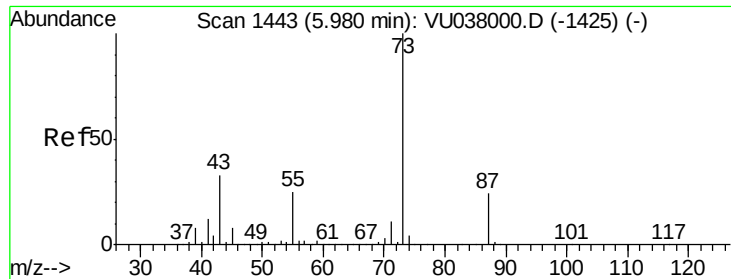
87 40.7 32.4 48.6



Abundance Ion 59.00 (58.70 to 59.70): VU038012.D (-999) (-)

Ion 87.00 (86.70 to 87.70): VU038012.D (-999) (-)





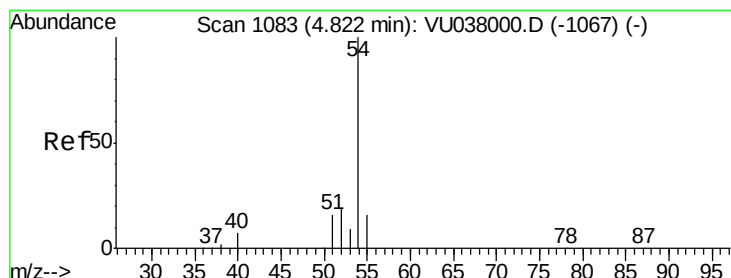
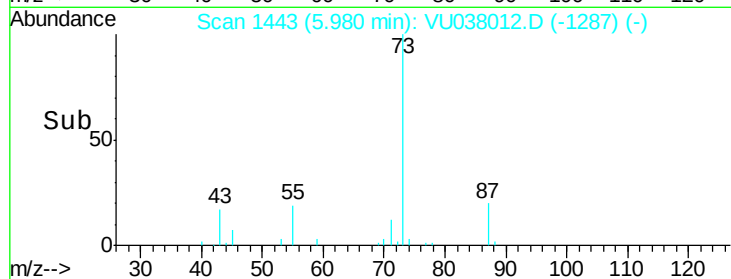
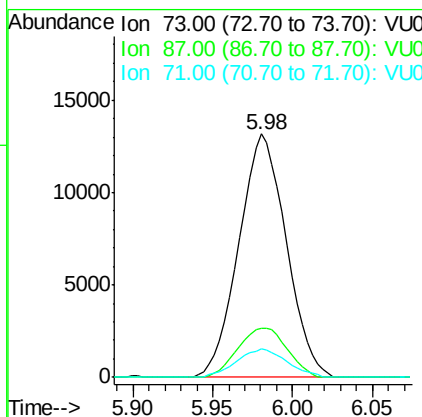
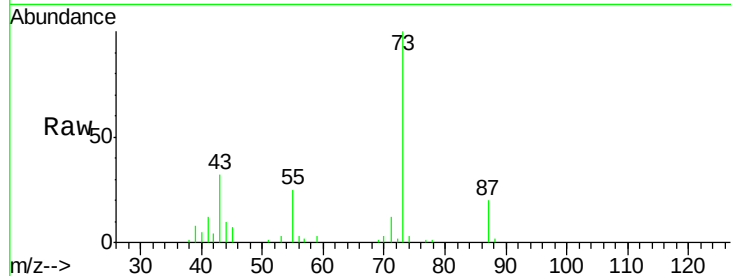
#33
Tert-Butyl methyl ether
Concen: 0.451 ug/l
RT: 5.98 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
73	100		
87	21.0	18.9	28.3
71	12.3	9.1	13.7

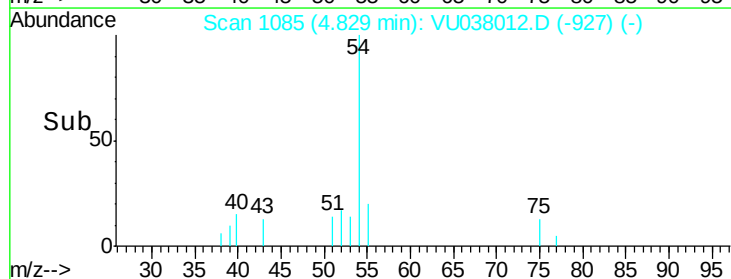
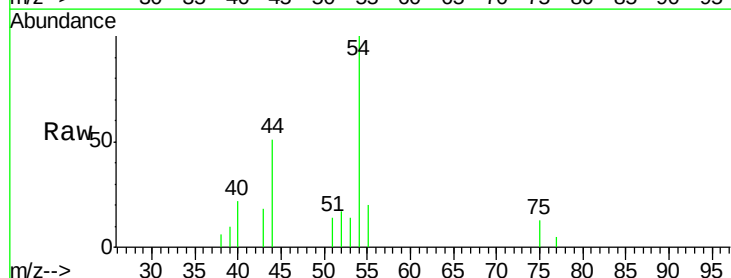
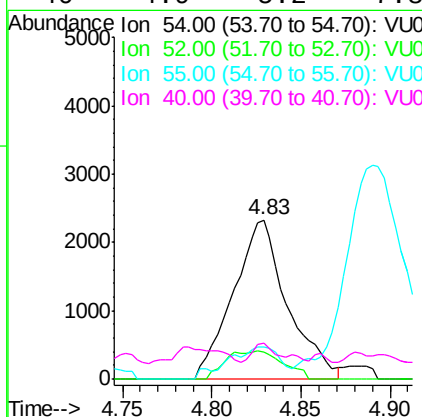
Manual Integrations
APPROVED

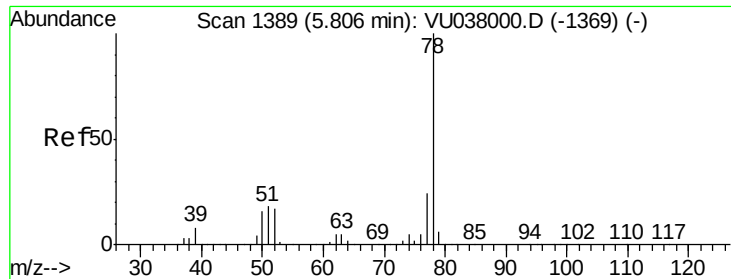
apatel
5/6/2020 10:39:26 AM



#34
Propionitrile
Concen: 2.352 ug/l
RT: 4.83 min Scan# 1085
Delta R.T. 0.01 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.7	15.8	23.8
55	19.5	13.2	19.8
40	4.9	5.2	7.8#





#35

Benzene

Concen: 0.489 ug/l

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 78 Resp: 49086

Ion Ratio Lower Upper

78 100

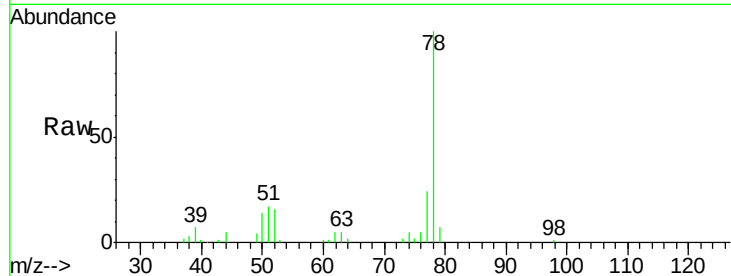
77 23.1 19.3 28.9

Manual Integrations

APPROVED

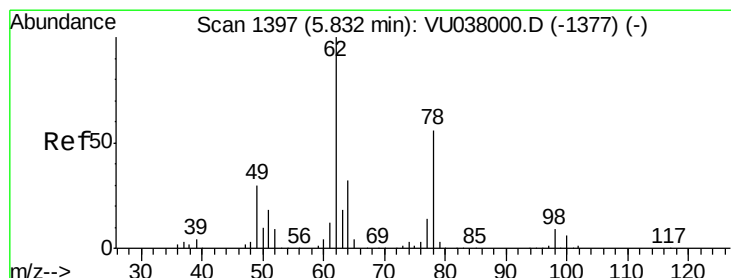
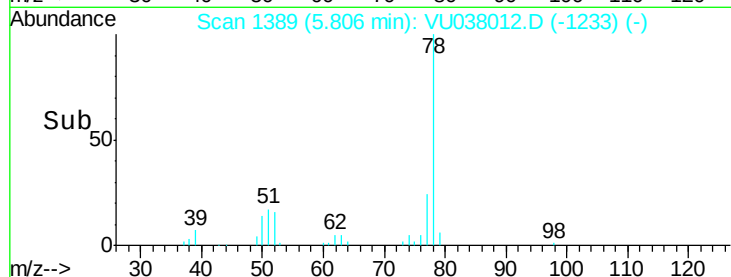
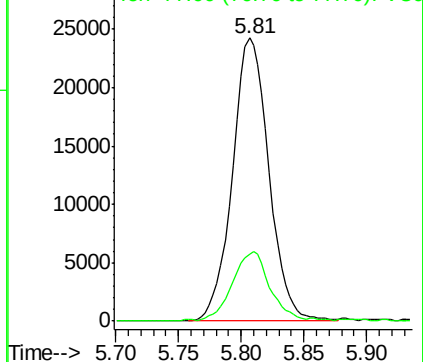
apatel

5/6/2020 10:39:26 AM



Abundance Ion 78.10 (77.80 to 78.80): VU038012.D (-1233) (-)

Ion 77.00 (76.70 to 77.70): VU038012.D (-1233) (-)



#36

1,2-Dichloroethane

Concen: 0.501 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU038012.D

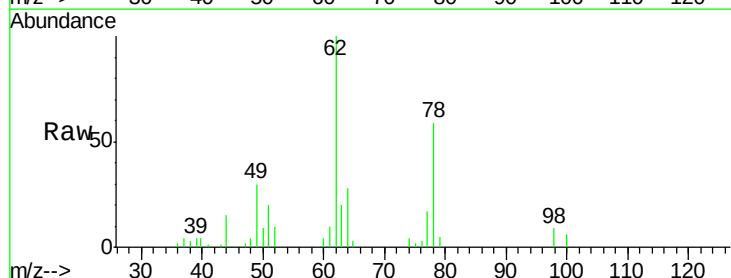
Acq: 05 May 2020 12:47

Tgt Ion: 62 Resp: 14889

Ion Ratio Lower Upper

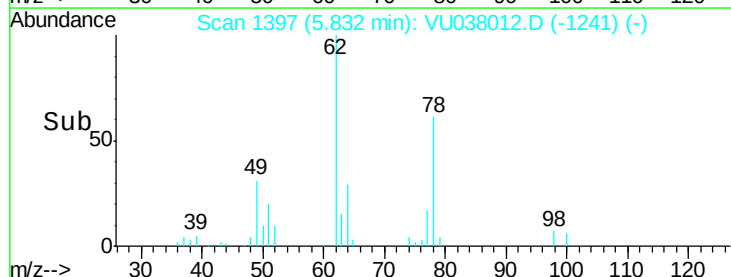
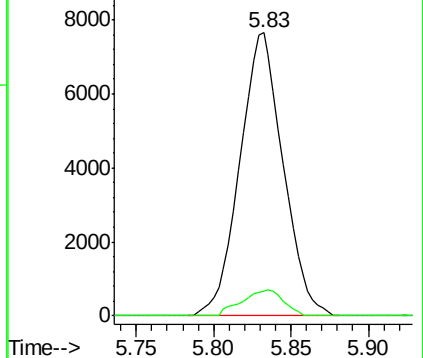
62 100

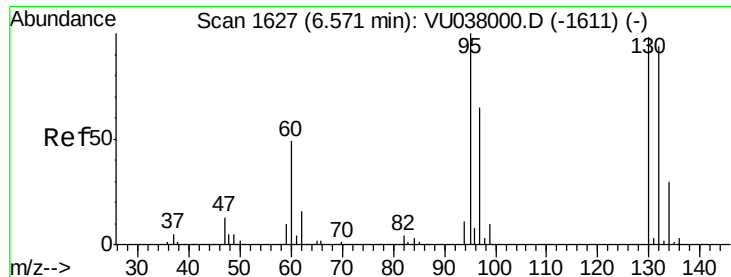
98 8.8 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU038012.D (-1241) (-)

Ion 98.00 (97.70 to 98.70): VU038012.D (-1241) (-)





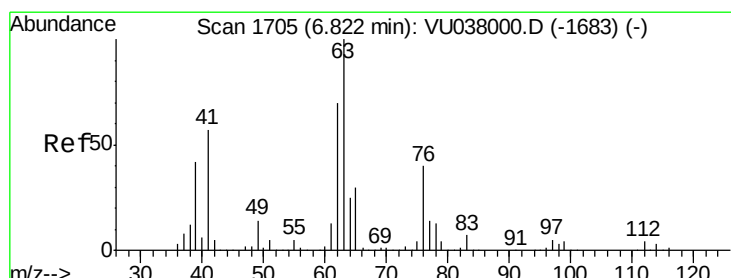
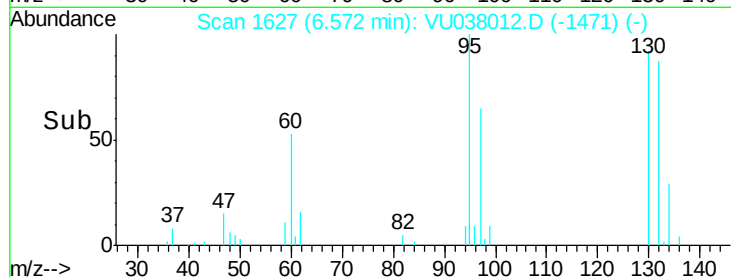
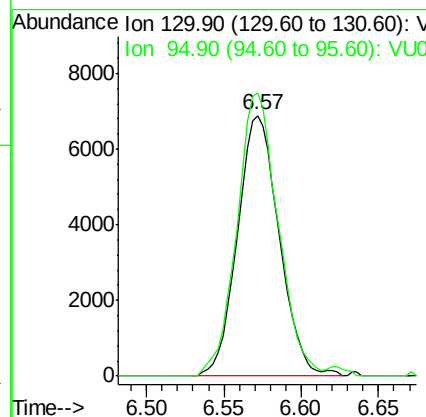
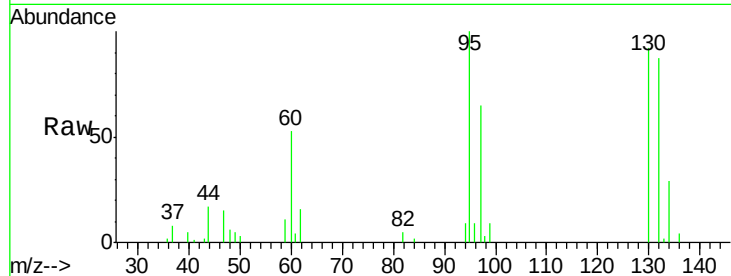
#37
 Trichloroethene
 Concen: 0.488 ug/l
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion:130 Resp: 12867
 Ion Ratio Lower Upper
 130 100
 95 108.5 81.6 122.4

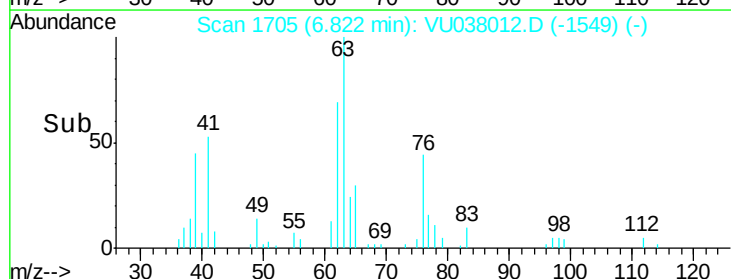
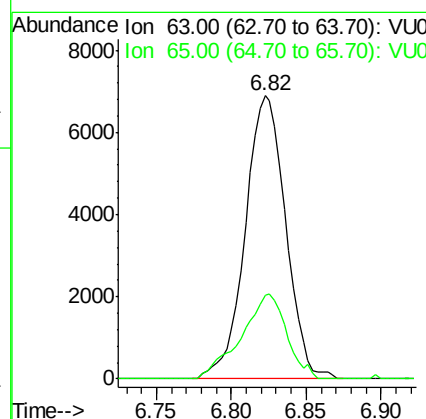
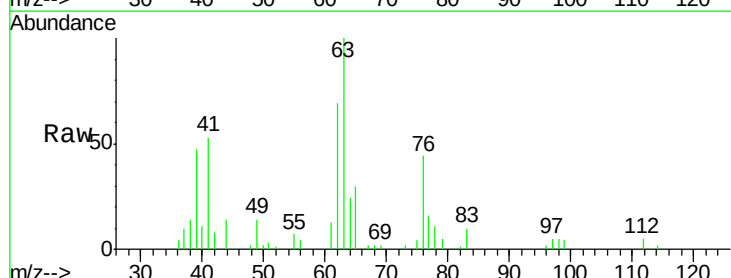
Manual Integrations
 APPROVED

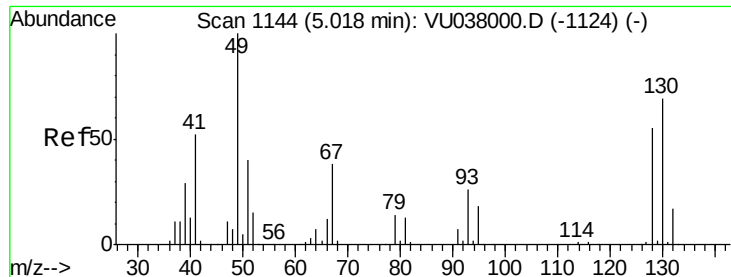
apatel
 5/6/2020 10:39:26 AM



#38
 1,2-Dichloropropane
 Concen: 0.480 ug/l
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Tgt Ion: 63 Resp: 12957
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.1 36.1





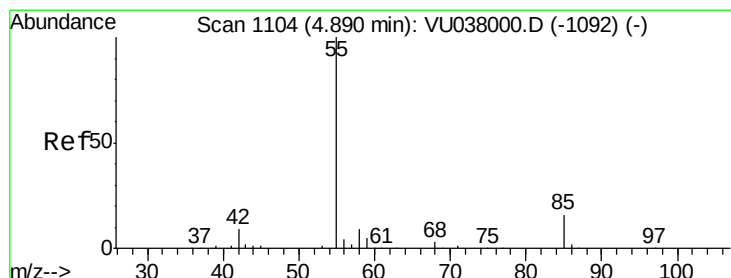
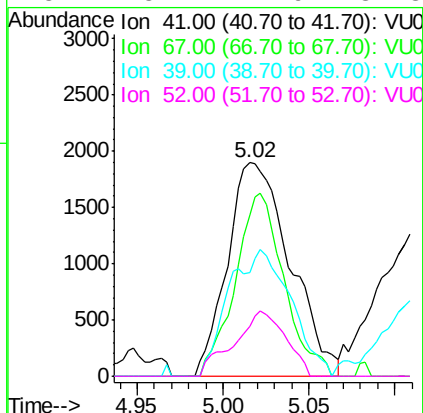
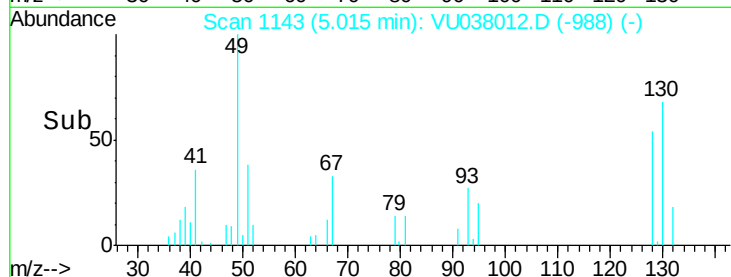
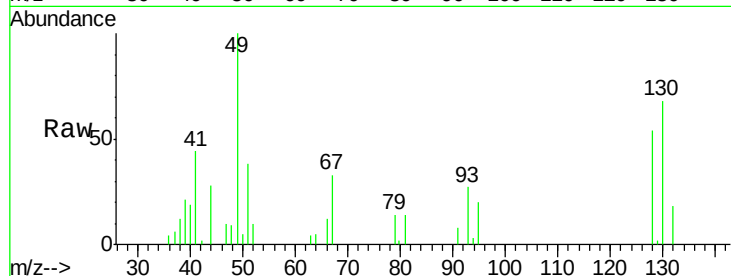
#39
Methacrylonitrile
Concen: 0.494 ug/l
RT: 5.02 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	41	Resp:	4822
Ion	Ratio	Lower	Upper
41	100		
67	66.5	58.0	87.0
39	58.7	43.2	64.8
52	25.1	22.9	34.3

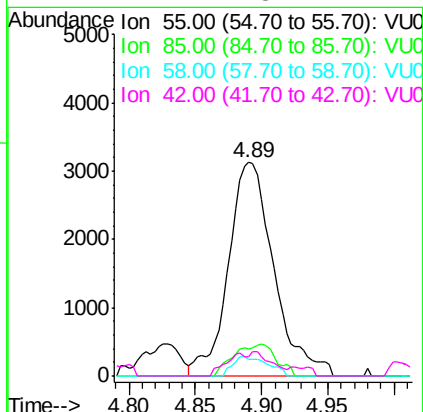
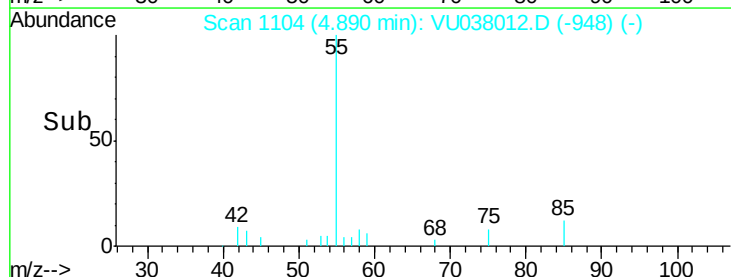
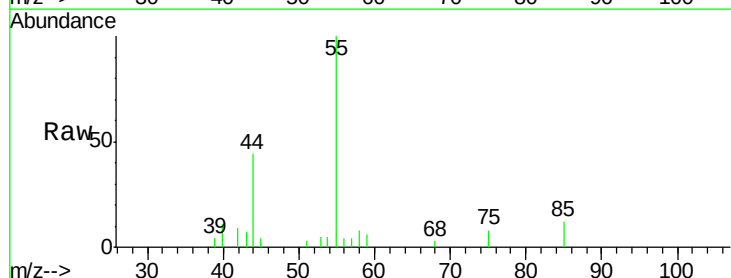
Manual Integrations
APPROVED

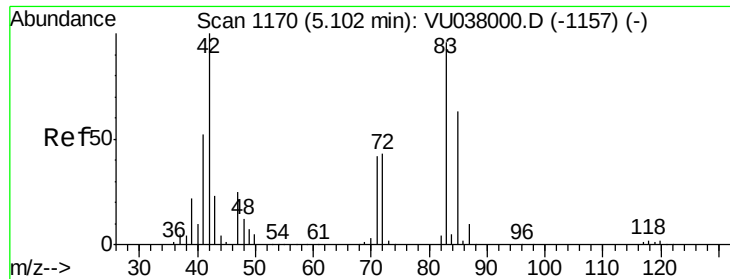
apatel
5/6/2020 10:39:26 AM



#40
Methyl acrylate
Concen: 0.518 ug/l
RT: 4.89 min Scan# 1104
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion	55	Resp:	7454
Ion	Ratio	Lower	Upper
55	100		
85	13.9	12.9	19.3
58	7.0	7.2	10.8#
42	4.7	8.1	12.1#





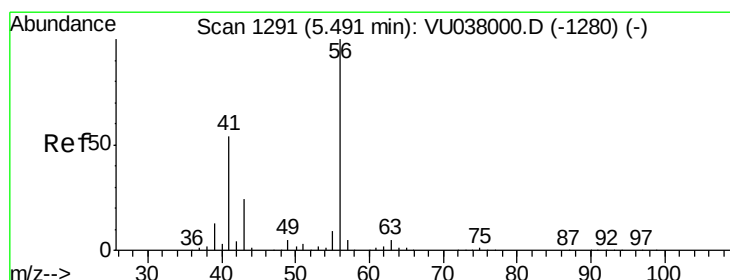
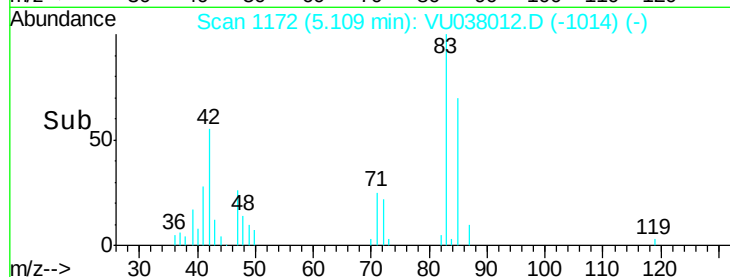
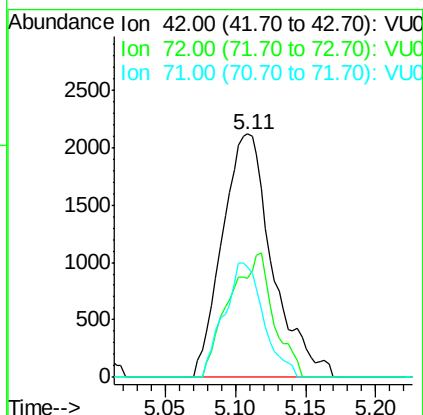
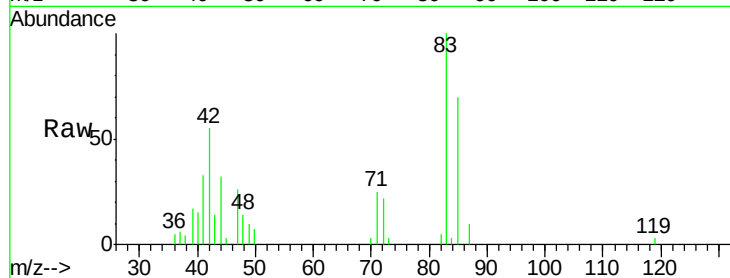
#41
Tetrahydrofuran
Concen: 1.076 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	37.4	56.2
71	37.1	32.8	49.2

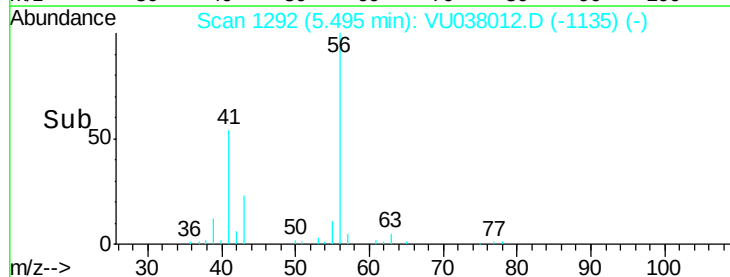
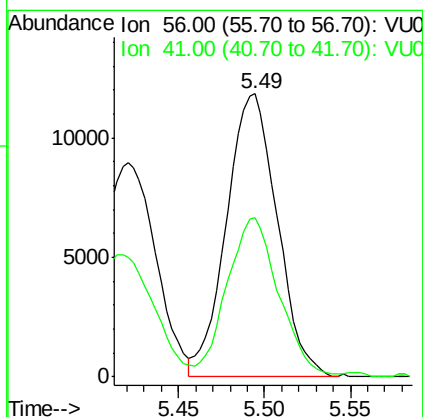
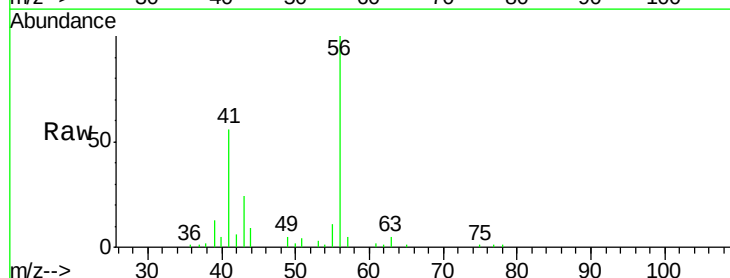
Manual Integrations
APPROVED

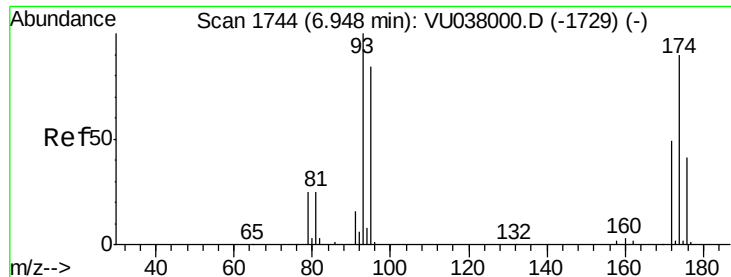
apatel
5/6/2020 10:39:26 AM



#42
1-Chlorobutane
Concen: 0.472 ug/l
RT: 5.49 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
56	100		
41	55.4	26.8	80.4





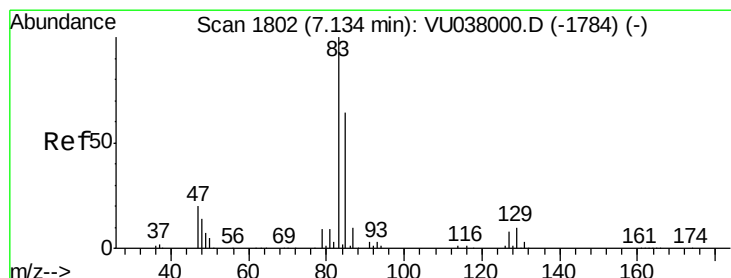
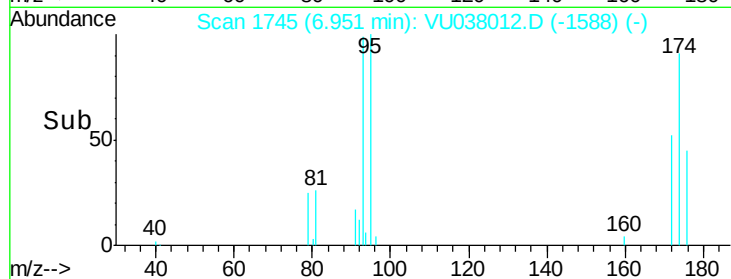
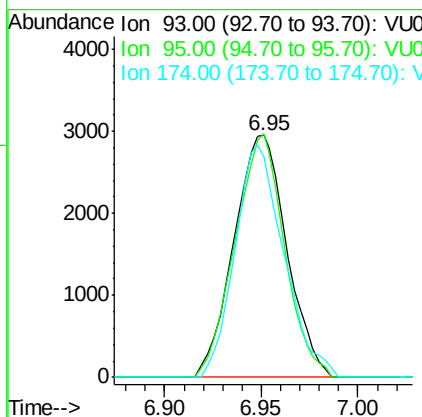
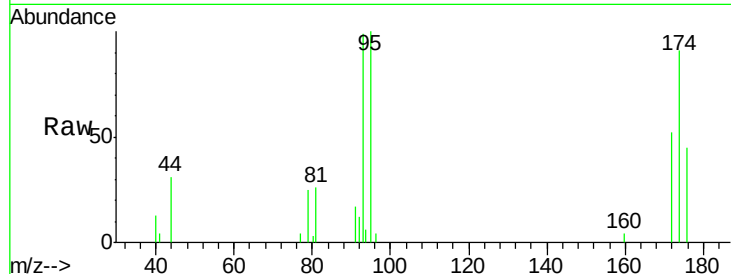
#43
Dibromomethane
Concen: 0.445 ug/l
RT: 6.95 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
93	100		
95	94.3	66.1	99.1
174	88.9	72.8	109.2

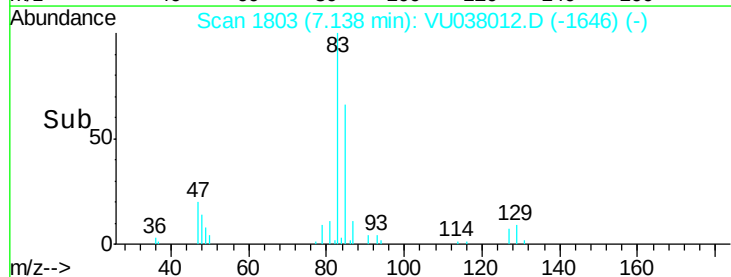
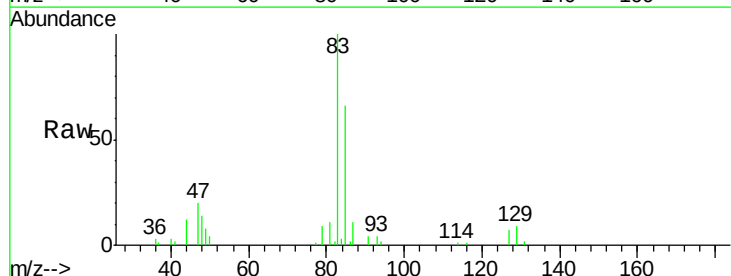
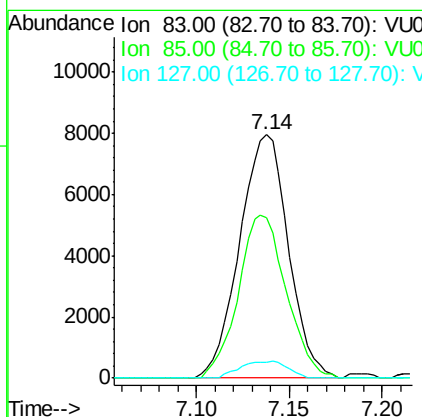
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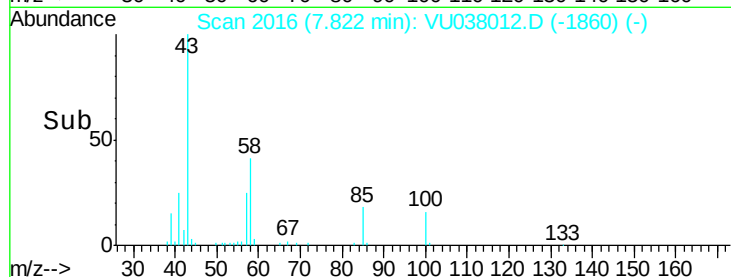
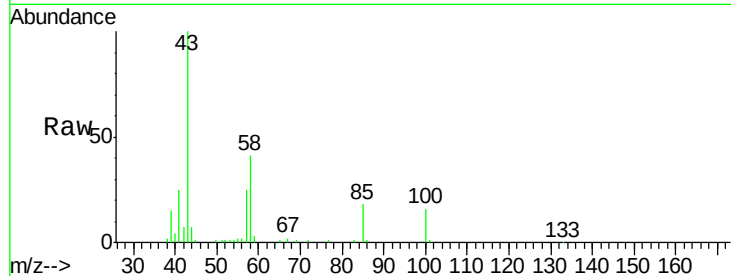
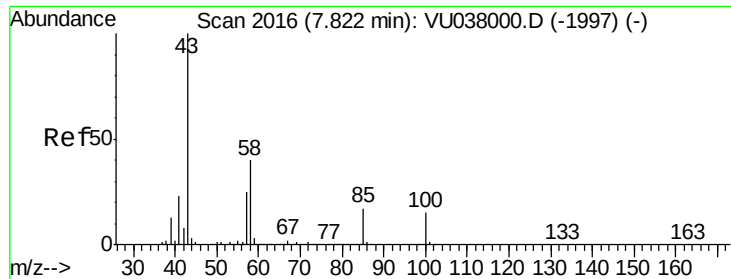
apatel
5/6/2020 10:39:26 AM



#44
Bromodichloromethane
Concen: 0.461 ug/l
RT: 7.14 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.0
127	6.7	6.2	9.2





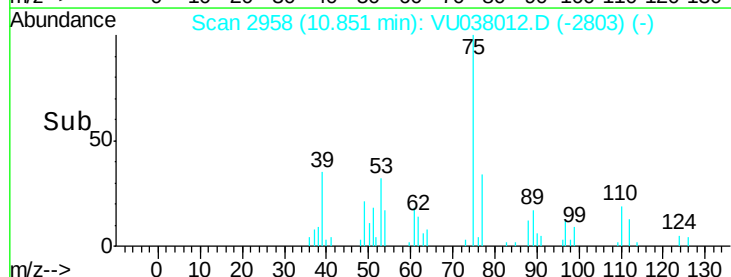
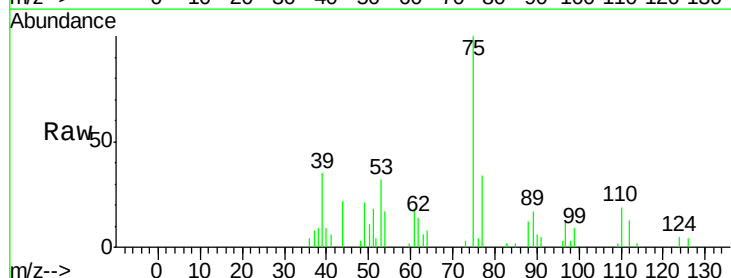
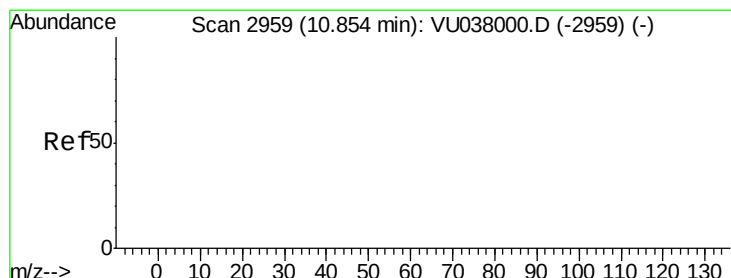
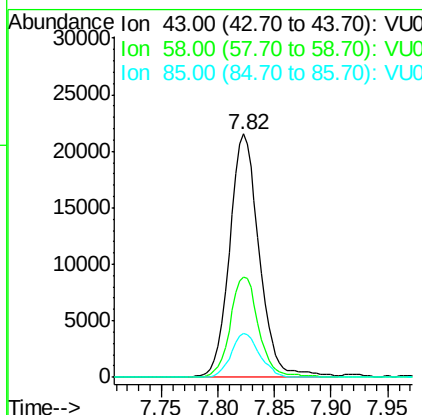
#45
4-Methyl-2-Pentanone
Concen: 2.296 ug/l
RT: 7.82 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tot Ion:	43	Resp:	39373
Ion Ratio	Lower	Upper	
43	100		
58	39.5	20.1	60.3
85	17.1	13.7	20.5

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

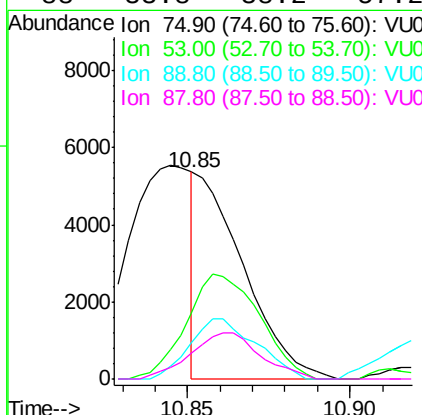
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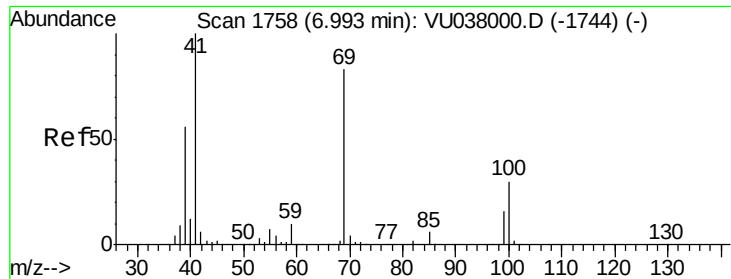
apatel
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#46
t-1,4-Dichloro-2-butene
Concen: 0.998 ug/l m
RT: 10.85 min Scan# 2958
Delta R.T. -0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion:	75	Resp:	5293
Ion Ratio	Lower	Upper	
75	100		
53	80.2	81.1	121.7#
89	41.8	53.2	79.8#
88	33.8	38.2	57.2#





#47

Methvl methacrylate

Concen: 0.923 ug/l

RT: 7.00 min Scan# 1759

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

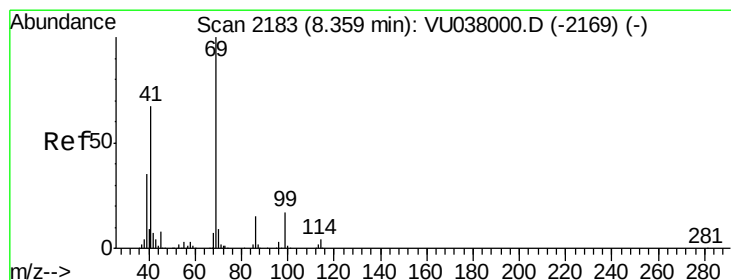
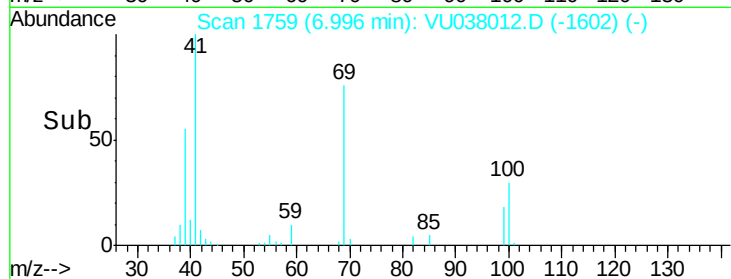
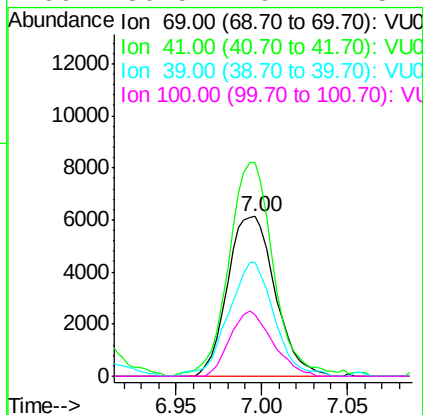
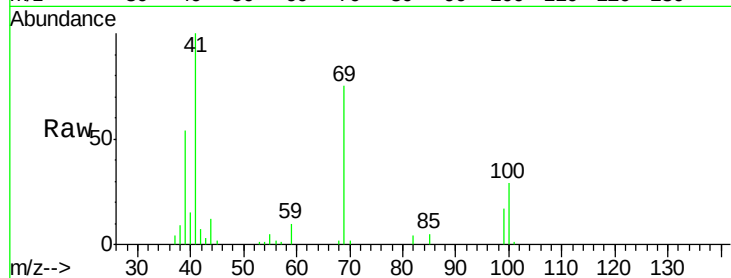
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	69	Resp:	11813
Ion	Ratio	Lower	Upper
69	100		
41	127.1	0.0	241.6
39	68.7	52.9	79.3
100	36.5	29.1	43.7

Manual Integrations
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#48

Ethyl methacrylate

Concen: 0.461 ug/l

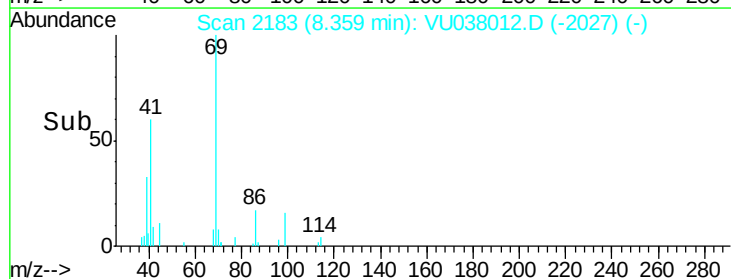
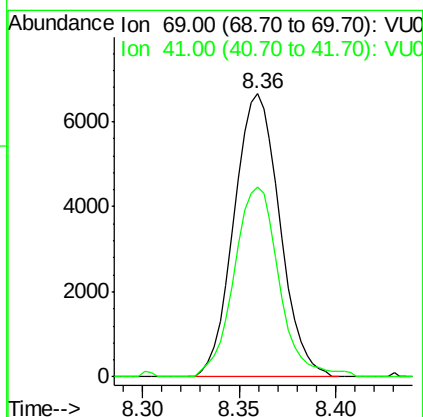
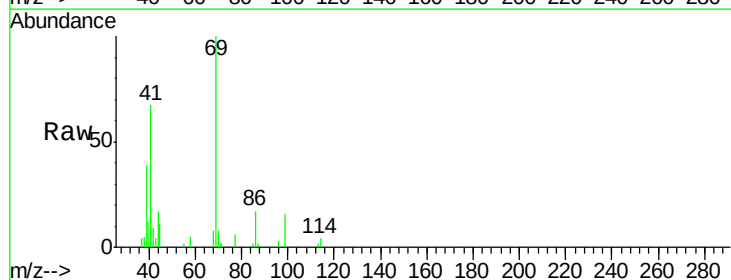
RT: 8.36 min Scan# 2183

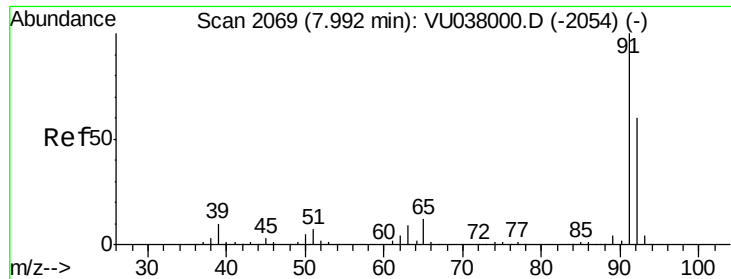
Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Tgt Ion:	69	Resp:	10930
Ion	Ratio	Lower	Upper
69	100		
41	66.3	33.6	100.8





#49

Toluene

Concen: 0.477 ug/l

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 92 Resp: 30253

Ion Ratio Lower Upper

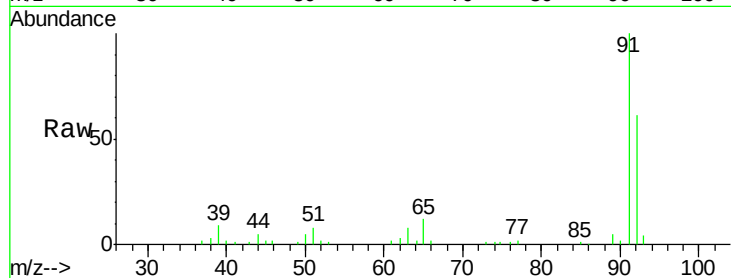
92 100

91 165.9 134.4 201.6

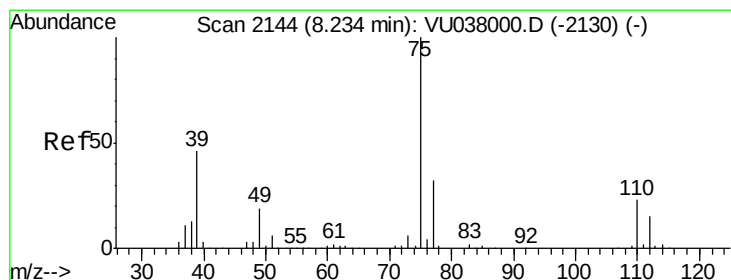
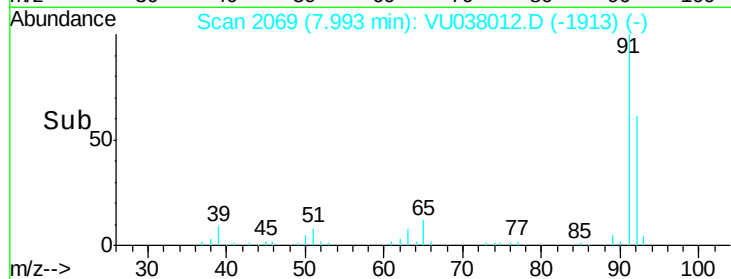
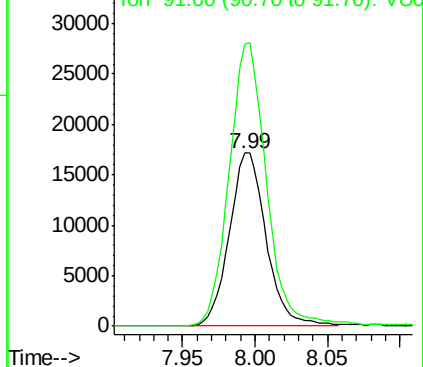
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Abundance Ion 92.00 (91.70 to 92.70): VU038012.D (-1913) (-)



#50

t-1,3-Dichloropropene

Concen: 0.412 ug/l

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038012.D

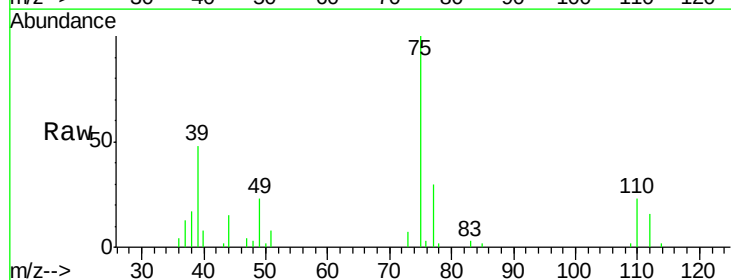
Acq: 05 May 2020 12:47

Tgt Ion: 75 Resp: 13301

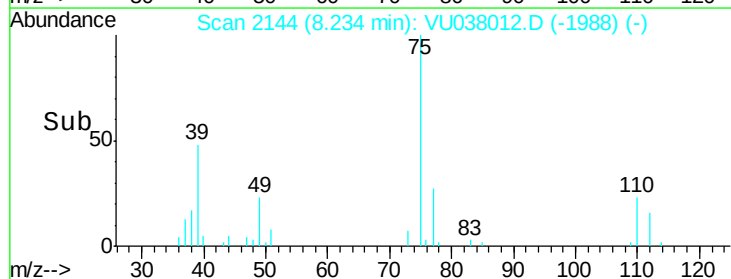
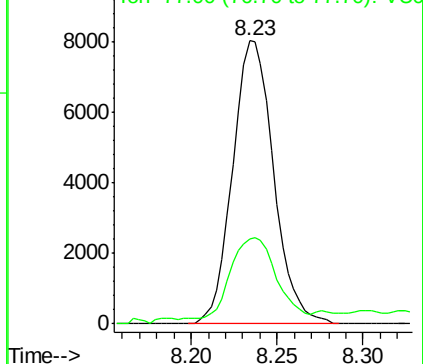
Ion Ratio Lower Upper

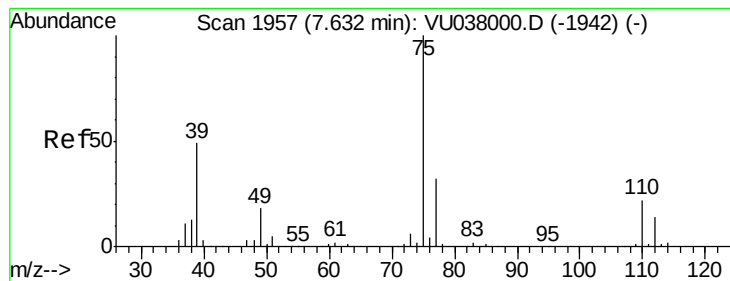
75 100

77 28.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU038012.D (-1988) (-)





#51

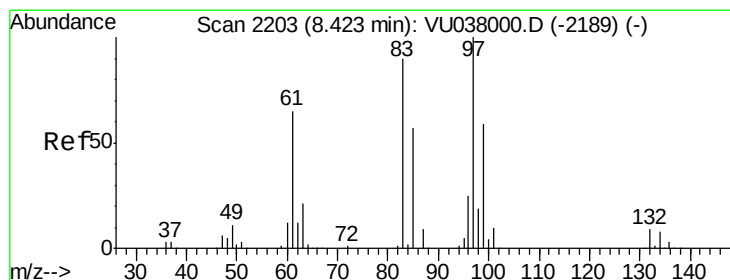
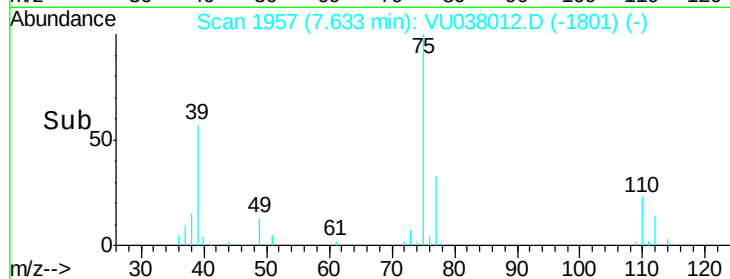
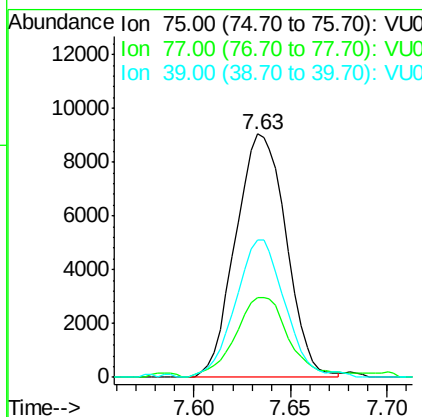
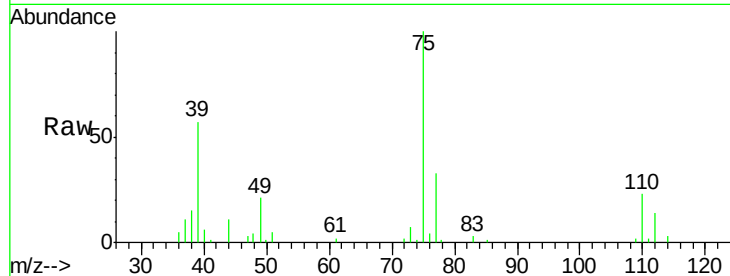
cis-1,3-Dichloropropene
Concen: 0.424 ug/l
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion:	75	Resp:	16447
Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.5	38.3
39	56.6	39.0	58.4

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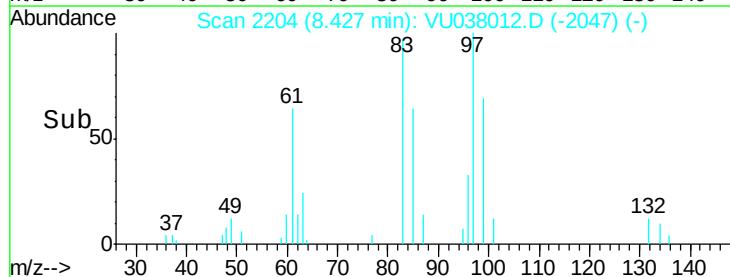
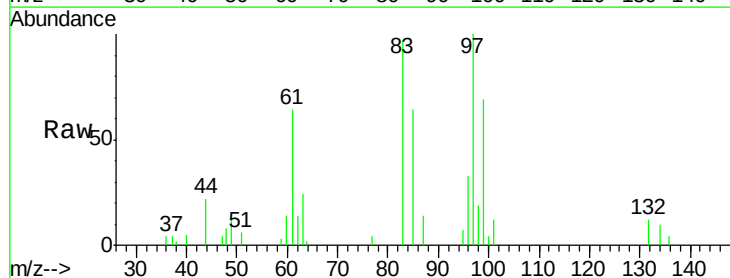
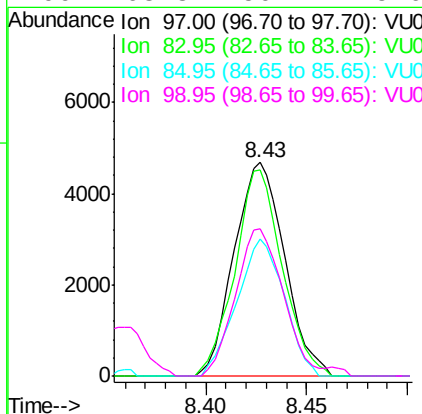
apatel
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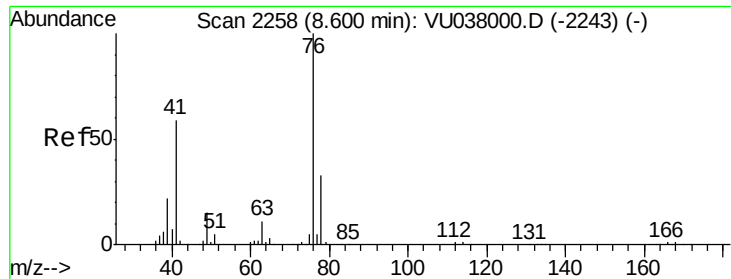


#52

1,1,2-Trichloroethane
Concen: 0.461 ug/l
RT: 8.43 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion:	97	Resp:	8205
Ion	Ratio	Lower	Upper
97	100		
83	96.7	72.4	108.6
85	64.1	46.0	69.0
99	68.8	50.4	75.6





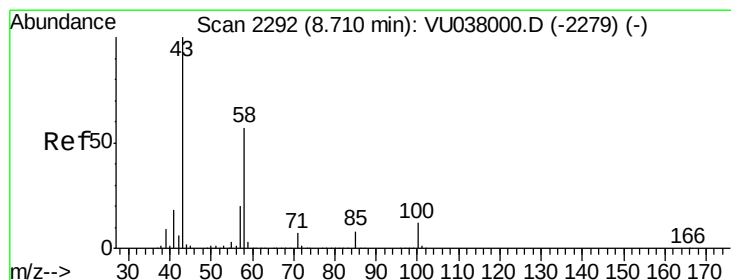
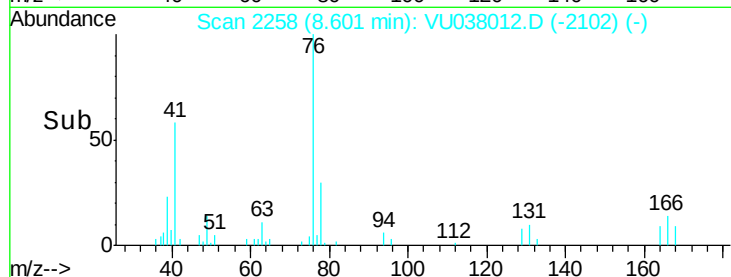
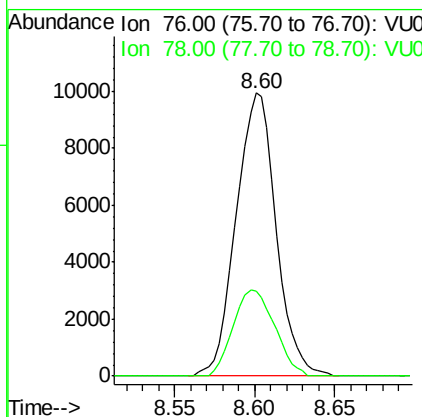
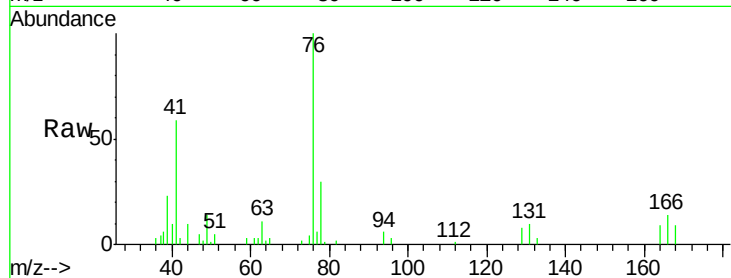
#53
 1,3-Dichloropropane
 Concen: 0.506 ug/l
 RT: 8.60 min Scan# 2258
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.8	38.6

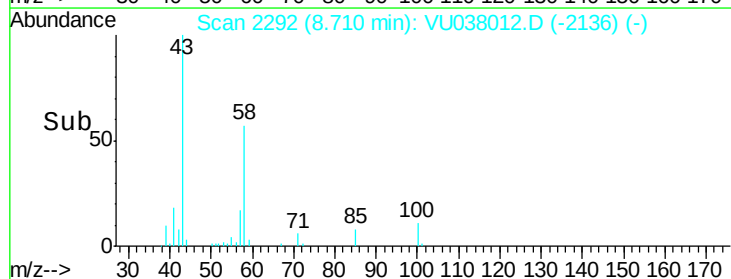
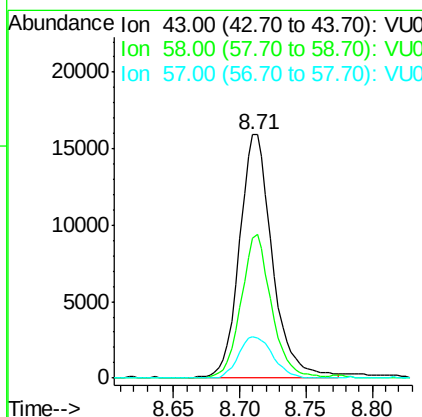
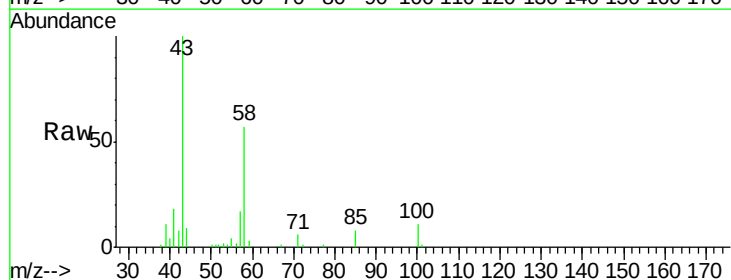
Manual Integrations
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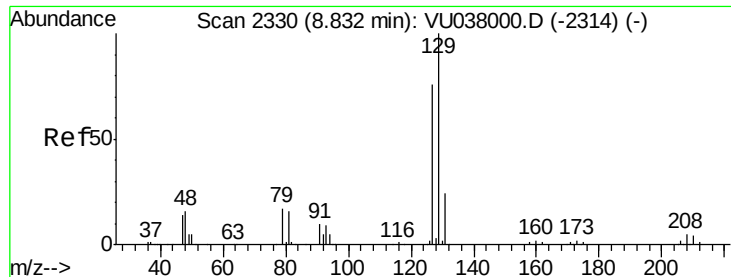
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#54
 2-Hexanone
 Concen: 2.274 ug/l
 RT: 8.71 min Scan# 2292
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.4	36.5	76.5
57	17.5	0.0	39.5





#55

Dibromochloromethane

Concen: 0.430 ug/l

RT: 8.84 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:129 Resp: 8485

Ion Ratio Lower Upper

129 100

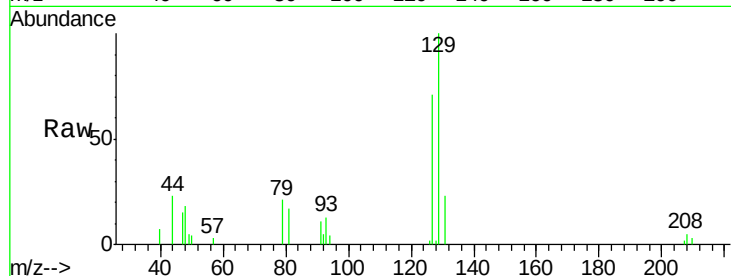
127 72.6 62.2 93.2

Manual Integrations

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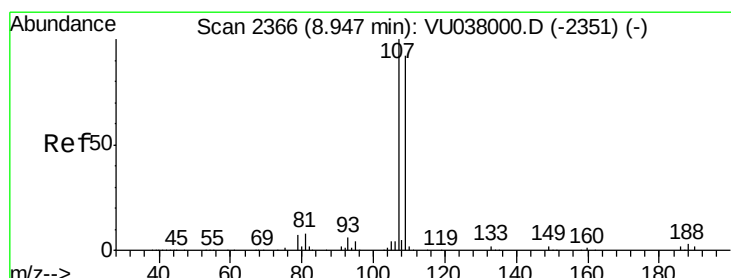
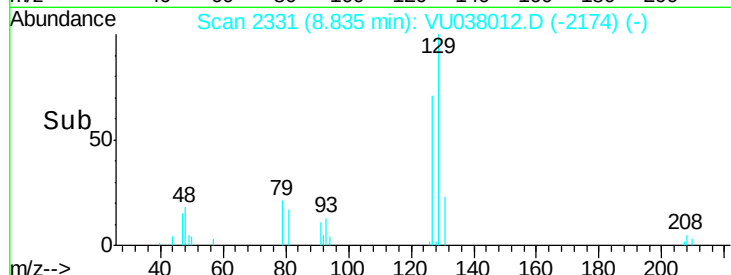
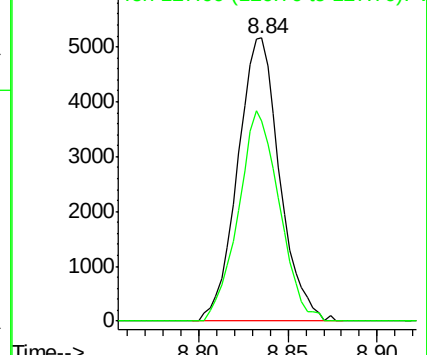
apatel

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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: 0.443 ug/l

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU038012.D

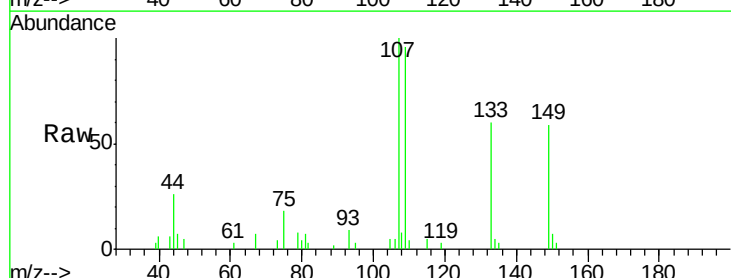
Acq: 05 May 2020 12:47

Tgt Ion:107 Resp: 7446

Ion Ratio Lower Upper

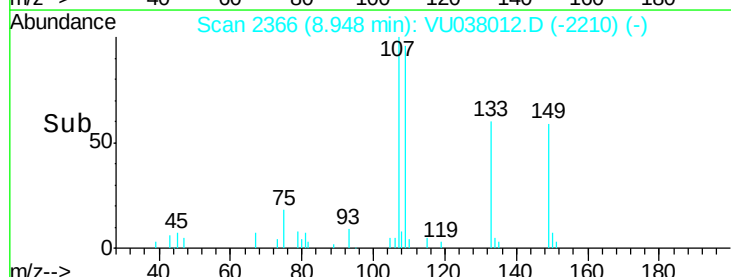
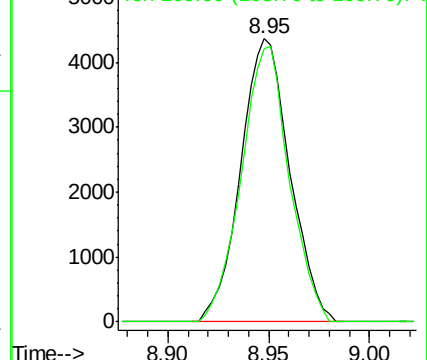
107 100

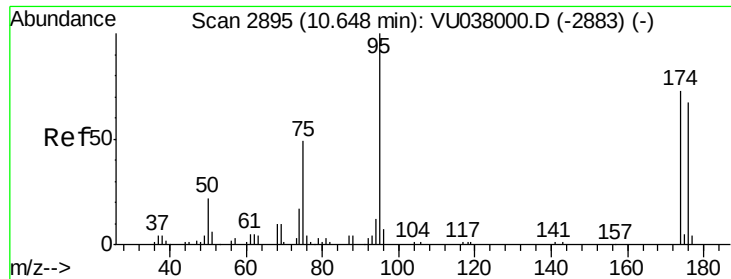
109 94.7 0.0 184.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.949 ug/l

RT: 10.65 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

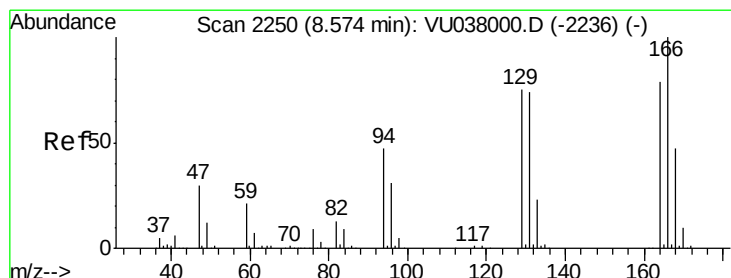
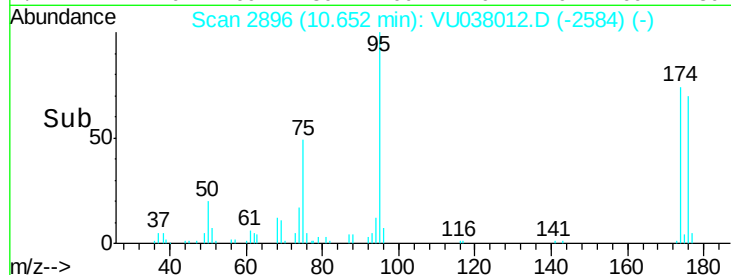
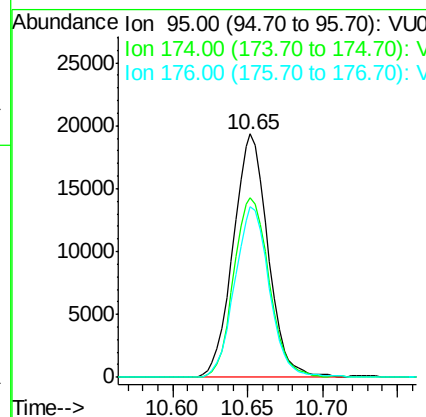
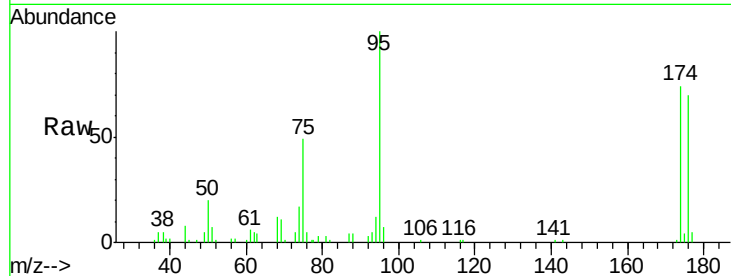
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	95	Resp:	31303
Ion Ratio	Lower	Upper	
95	100		
174	75.1	61.2	91.8
176	69.8	57.1	85.7

Manual Integrations
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#58

Tetrachloroethene

Concen: 0.507 ug/l

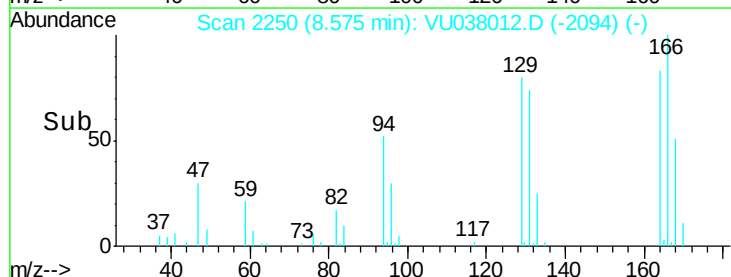
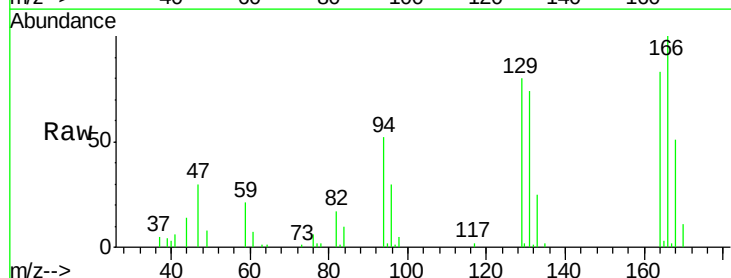
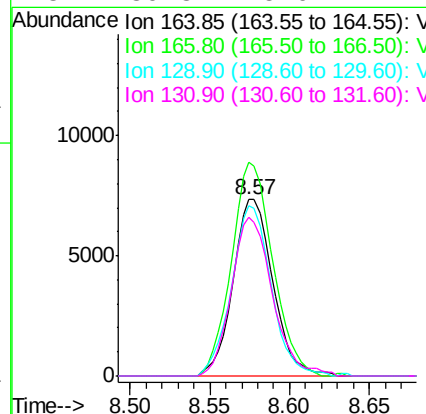
RT: 8.57 min Scan# 2250

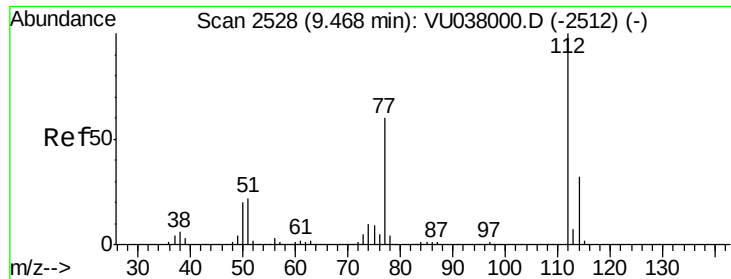
Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Tgt Ion:	164	Resp:	12468
Ion Ratio	Lower	Upper	
164	100		
166	121.0	101.5	152.3
129	96.3	76.6	114.8
131	89.8	75.0	112.4





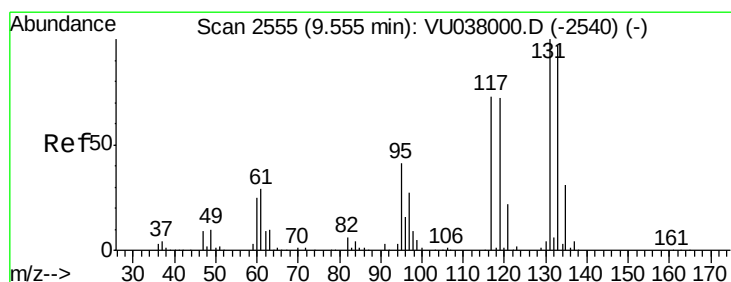
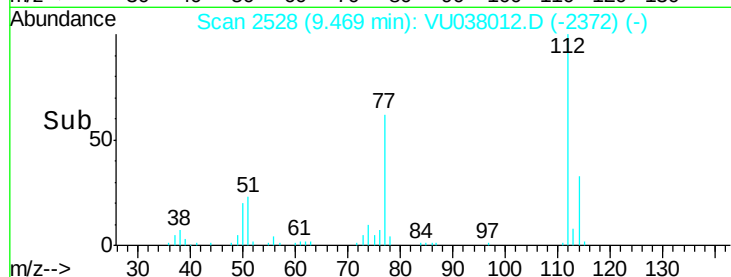
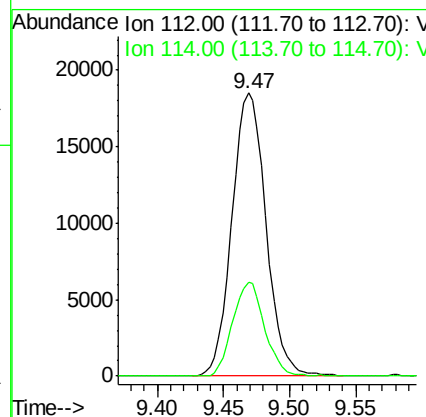
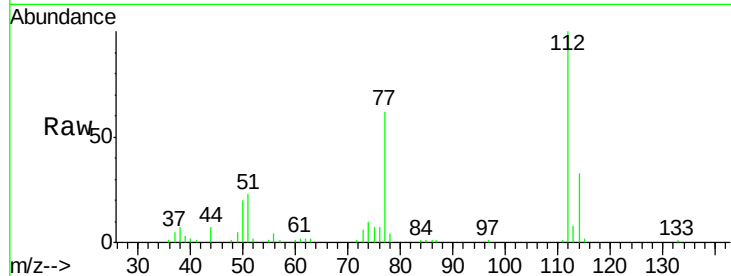
#59
Chlorobenzene
Concen: 0.491 ug/l
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion:112 Resp: 33059
Ion Ratio Lower Upper
112 100
114 33.0 25.7 38.5

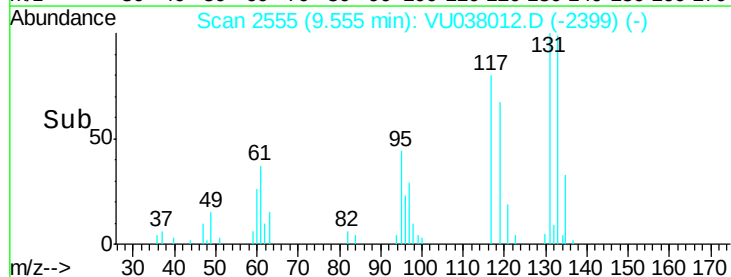
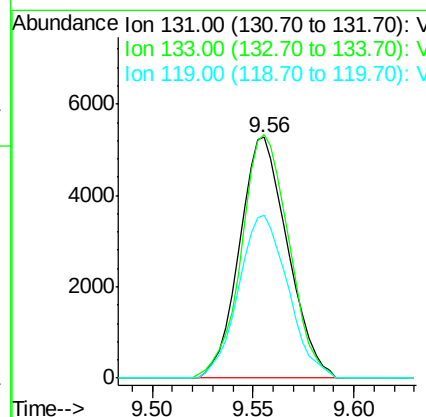
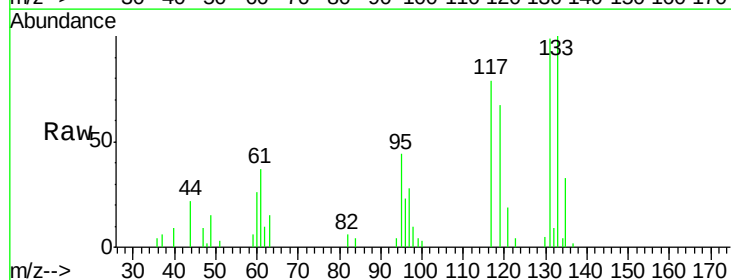
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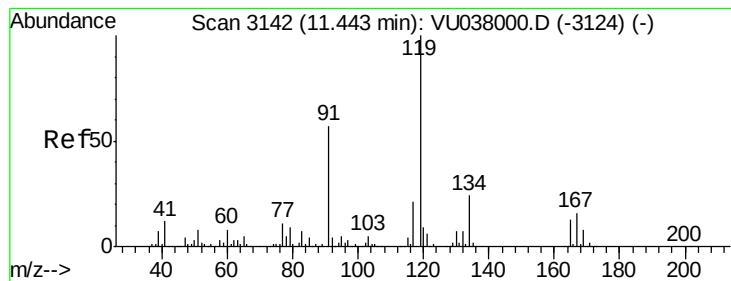
apatel
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#60
1,1,1,2-Tetrachloroethane
Concen: 0.431 ug/l
RT: 9.56 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion:131 Resp: 8817
Ion Ratio Lower Upper
131 100
133 99.5 76.8 115.2
119 69.1 56.7 85.1





#61

Pentachloroethane

Concen: 0.442 ug/l

RT: 11.45 min Scan# 3143

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:117 Resp: 6773

Ion Ratio Lower Upper

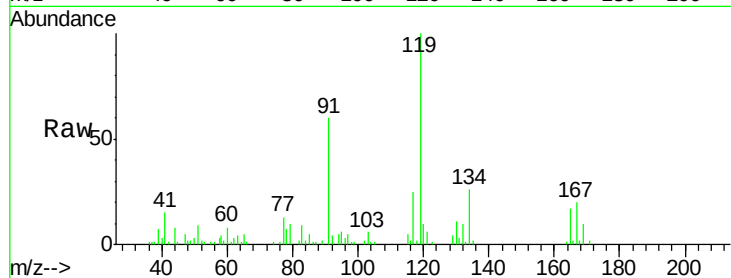
117 100

167 74.5 60.3 90.5

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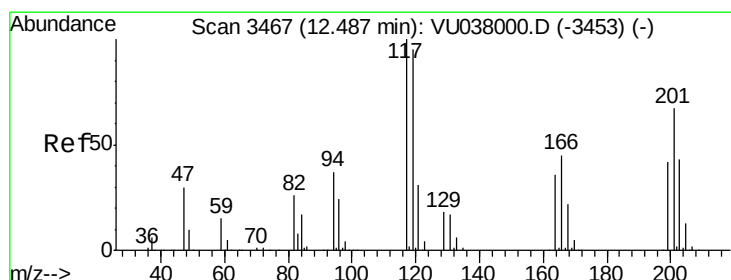
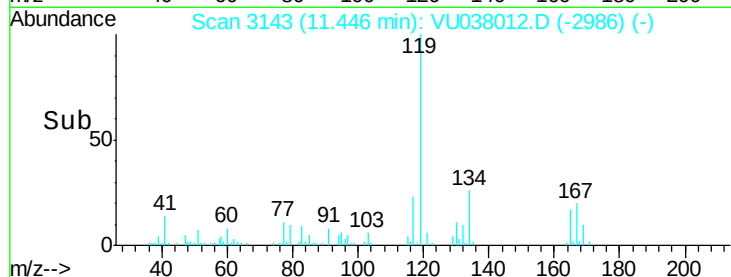
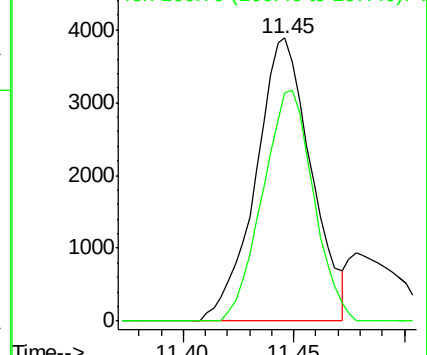
apatel

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.388 ug/l

RT: 12.49 min Scan# 3468

Delta R.T. 0.00 min

Lab File: VU038012.D

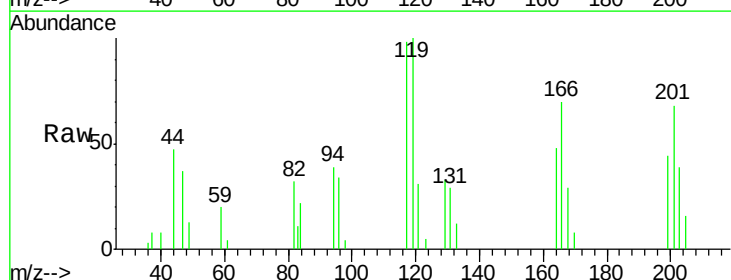
Acq: 05 May 2020 12:47

Tgt Ion:117 Resp: 6194

Ion Ratio Lower Upper

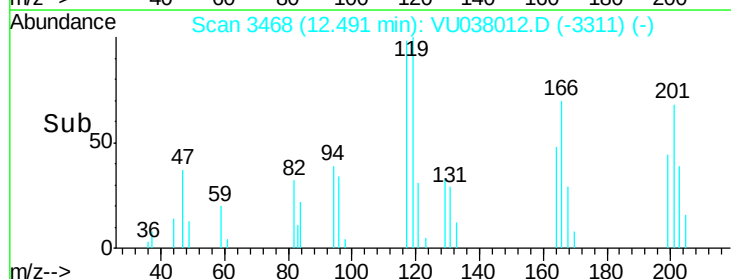
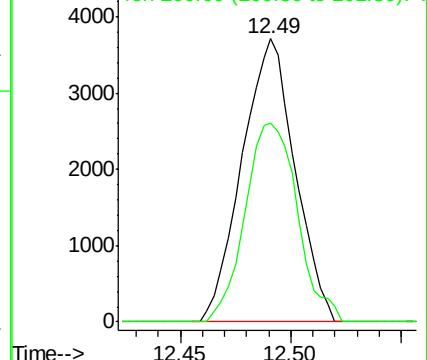
117 100

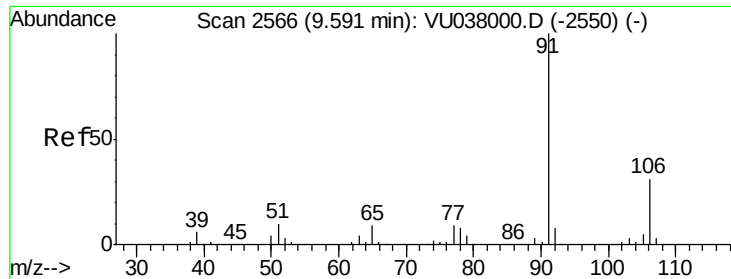
201 69.4 54.7 82.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





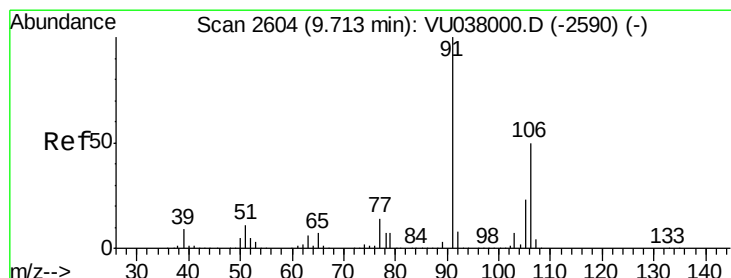
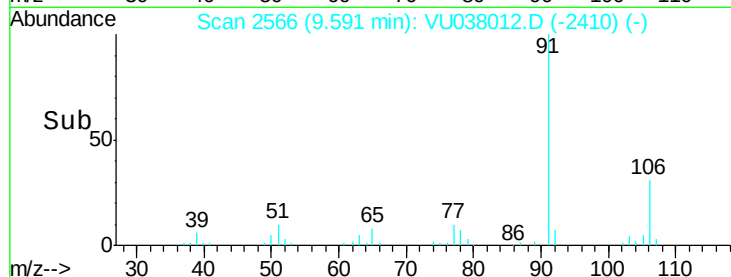
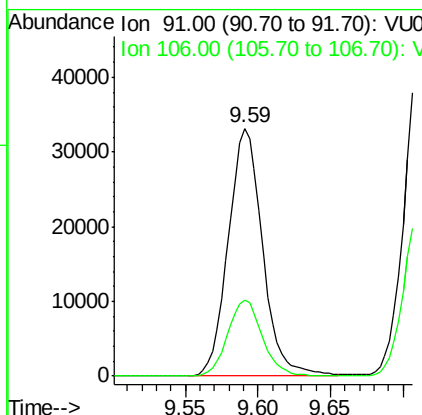
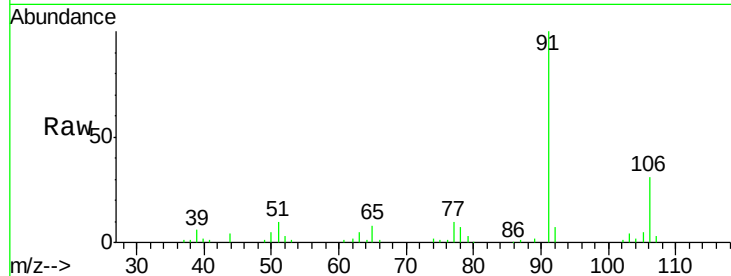
#63
Ethyl Benzene
Concen: 0.455 ug/l
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 91 Resp: 54543
Ion Ratio Lower Upper
91 100
106 30.5 24.9 37.3

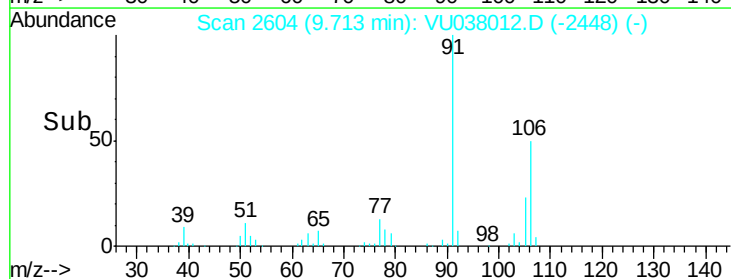
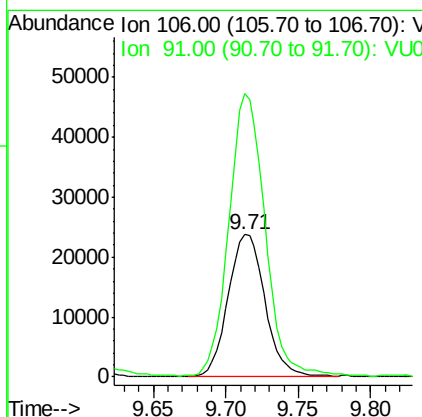
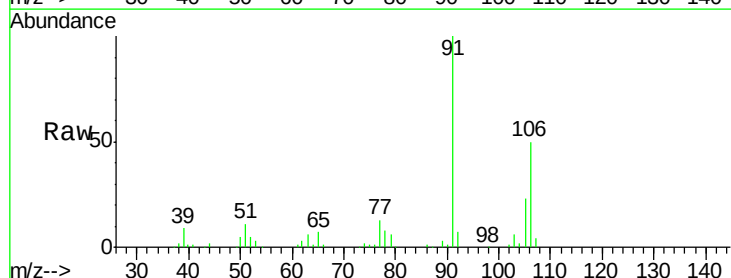
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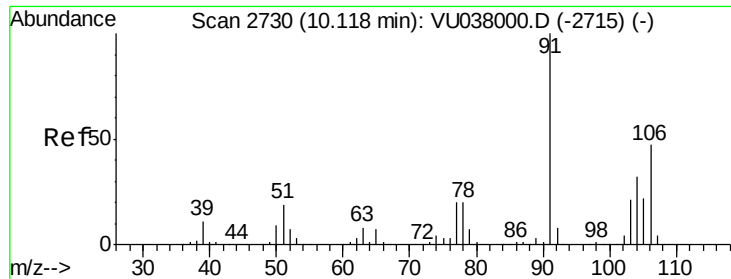
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#64
m/p-Xylenes
Concen: 0.913 ug/l
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion: 106 Resp: 42129
Ion Ratio Lower Upper
106 100
91 193.4 159.5 239.3





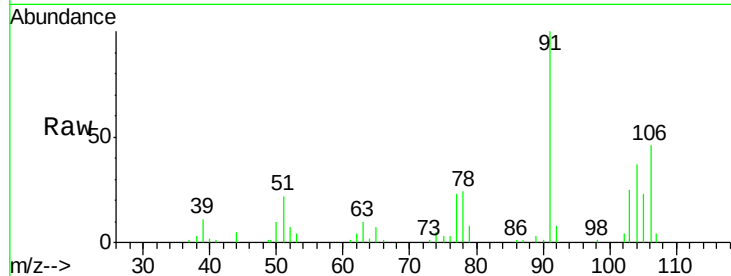
#65
o-Xylene
Concen: 0.450 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

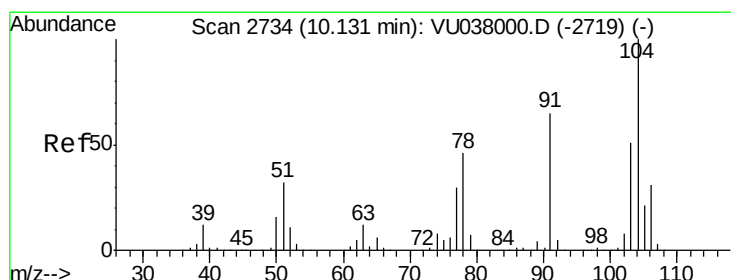
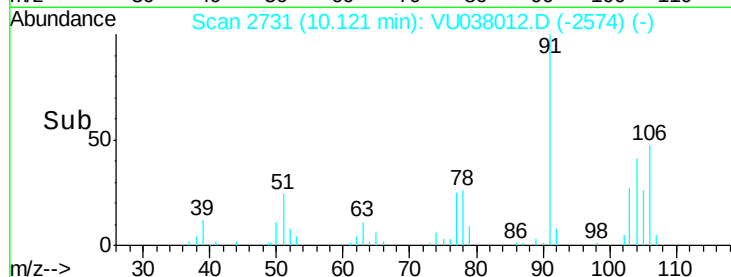
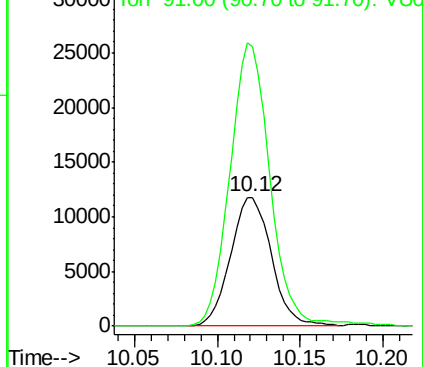
Tot Ion:106 Resp: 20222
Ion Ratio Lower Upper
106 100
91 216.3 105.7 317.0

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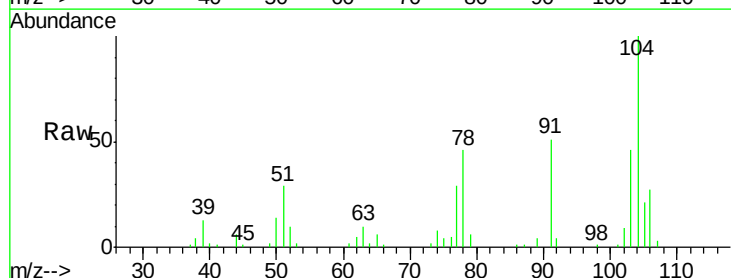


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

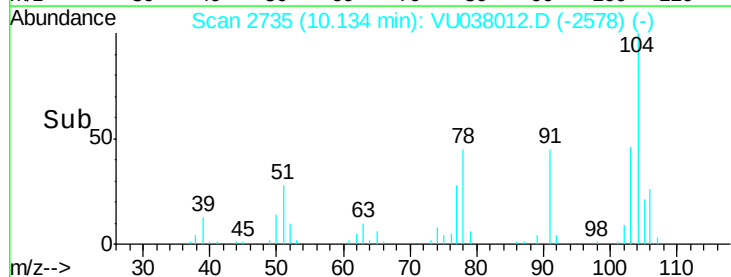
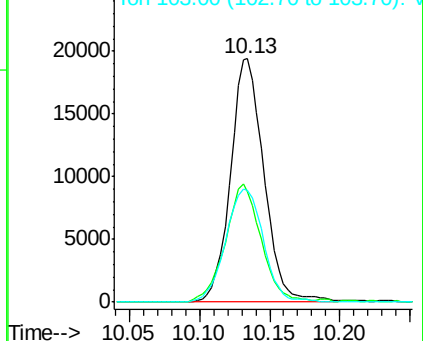


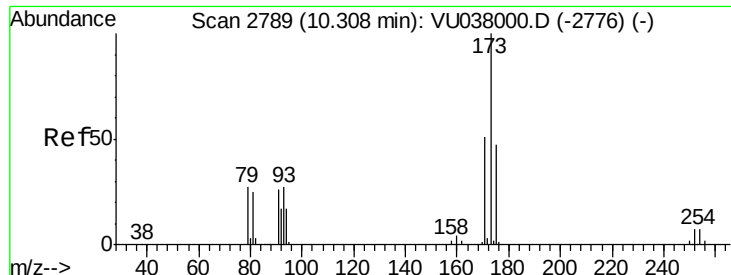
#66
Styrene
Concen: 0.436 ug/l
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion:104 Resp: 32302
Ion Ratio Lower Upper
104 100
78 51.5 39.9 59.9
103 51.6 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: 0.406 ug/l

RT: 10.31 min Scan# 2791

Delta R.T. 0.01 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

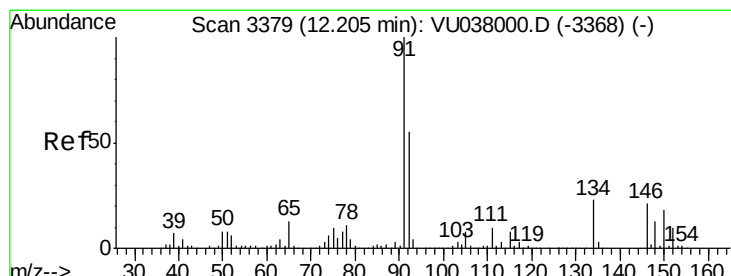
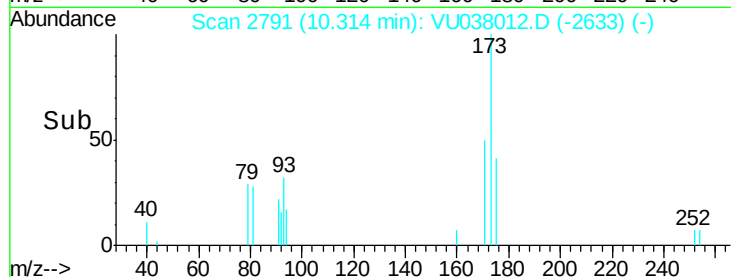
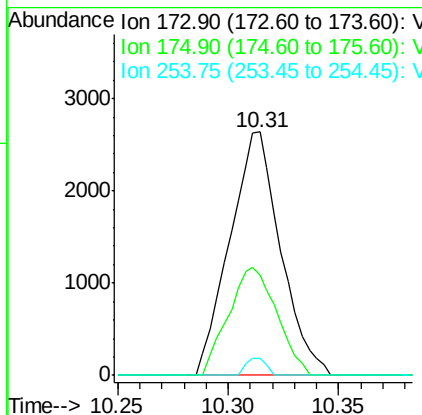
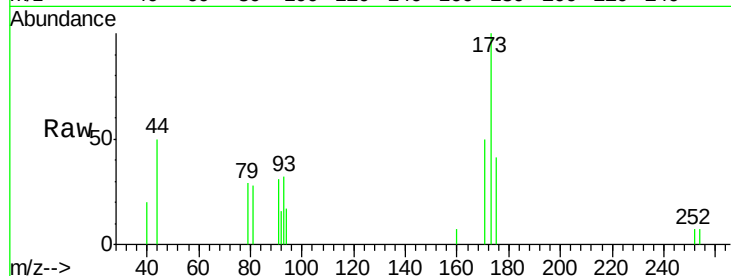
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	173	Resp:	4213
Ion Ratio	Lower	Upper	
173	100		
175	42.2	37.6	56.4
254	2.8	5.5	8.3#

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#68

1,2-Dichlorobenzene-d4

Concen: 0.966 ug/l

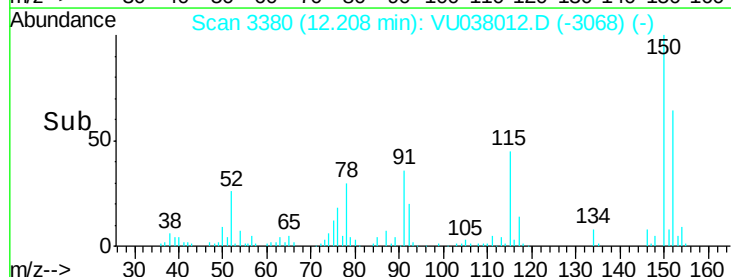
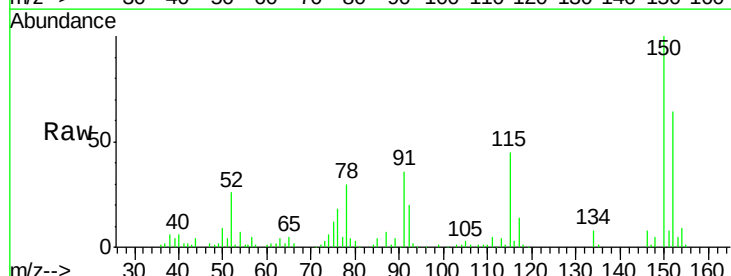
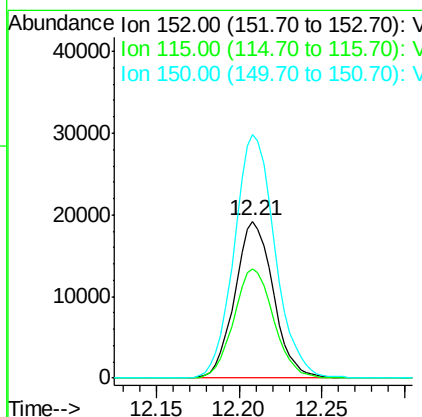
RT: 12.21 min Scan# 3380

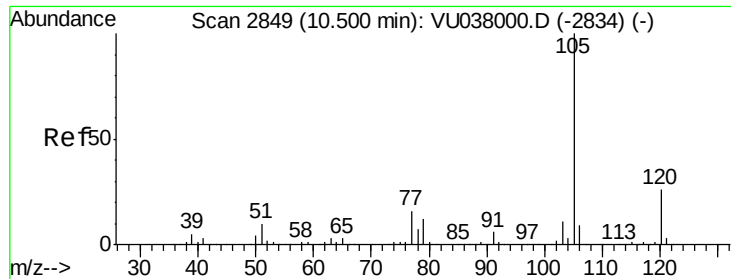
Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Tgt Ion:	152	Resp:	30854
Ion Ratio	Lower	Upper	
152	100		
115	72.3	0.0	261.0
150	165.4	0.0	650.2





#69

Isopropylbenzene

Concen: 0.453 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:105 Resp: 53236

Ion Ratio Lower Upper

105 100

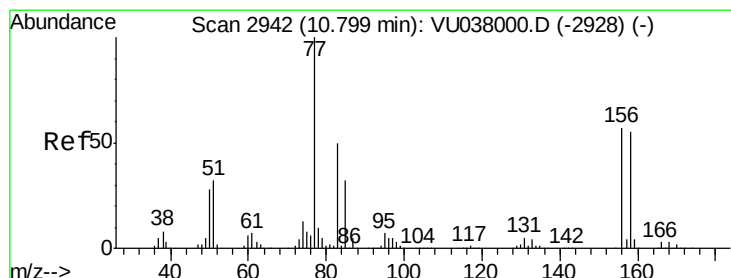
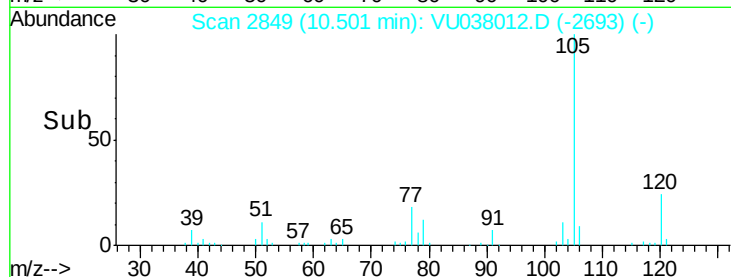
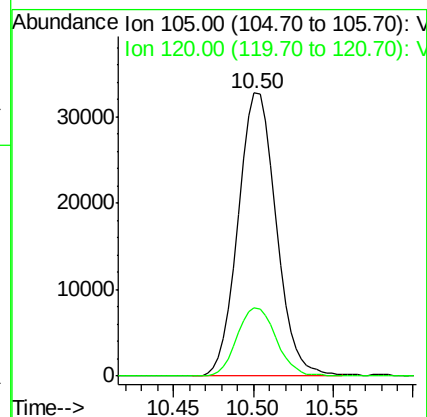
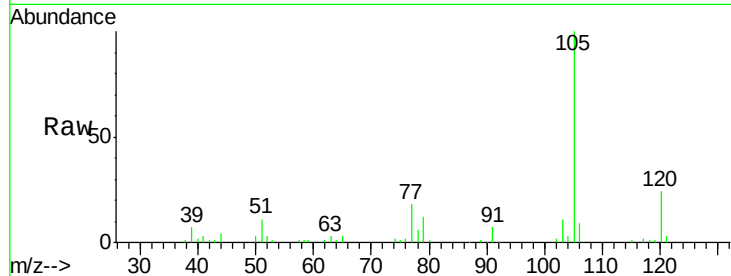
120 24.9 13.1 39.3

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.462 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

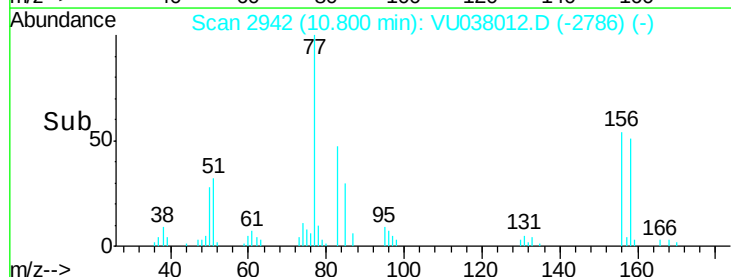
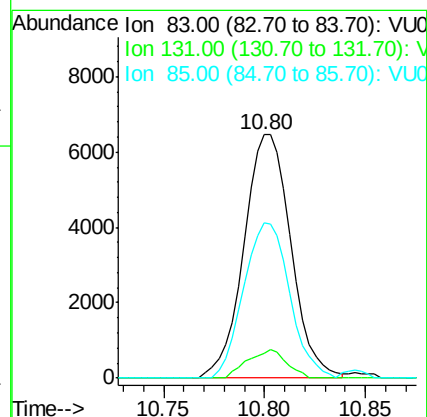
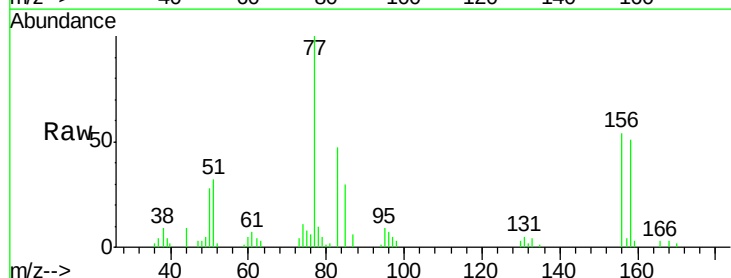
Tgt Ion: 83 Resp: 10546

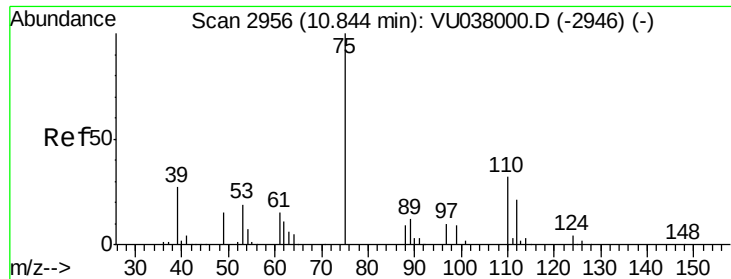
Ion Ratio Lower Upper

83 100

131 9.7 7.2 10.8

85 62.4 50.0 75.0





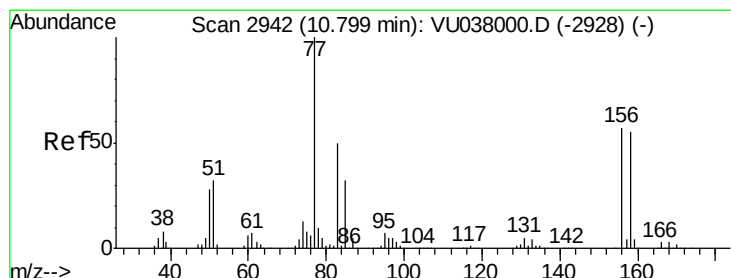
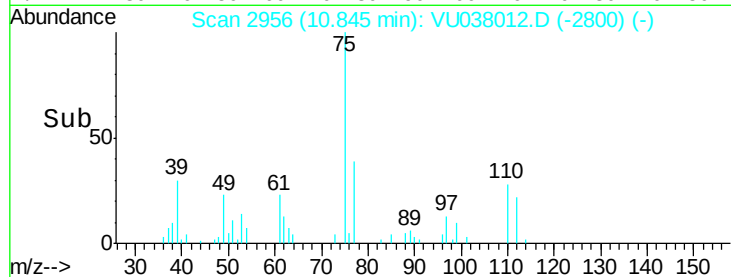
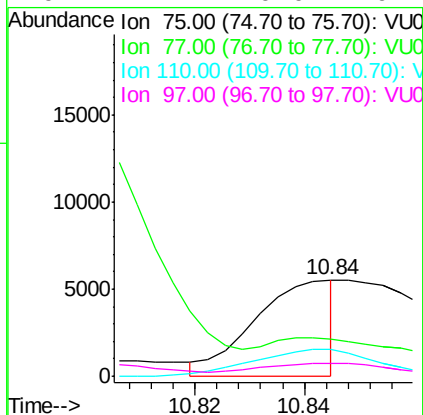
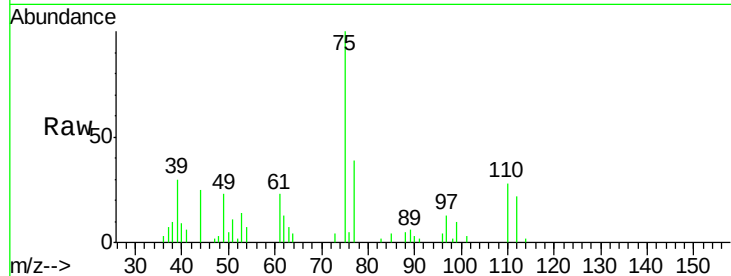
#71
 1,2,3-Trichloropropane
 Concen: 0.333 ug/l m
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion:	75	Resp:	5627
Ion	Ratio	Lower	Upper
75	100		
77	73.5	0.0	108.6
110	43.9	0.0	79.4
97	22.2	0.0	40.4

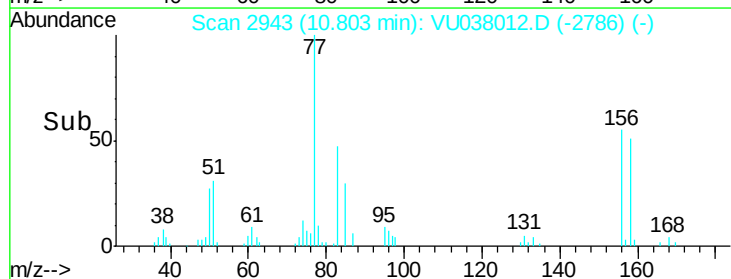
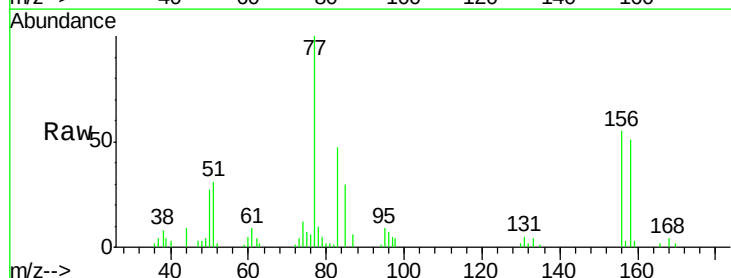
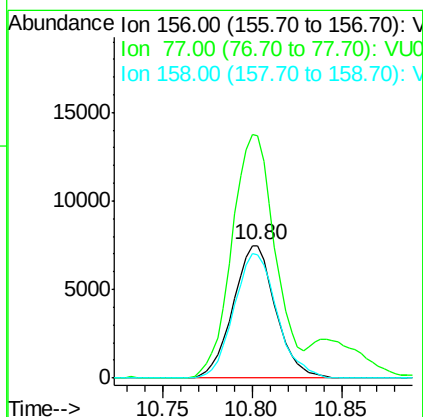
Manual Integrations
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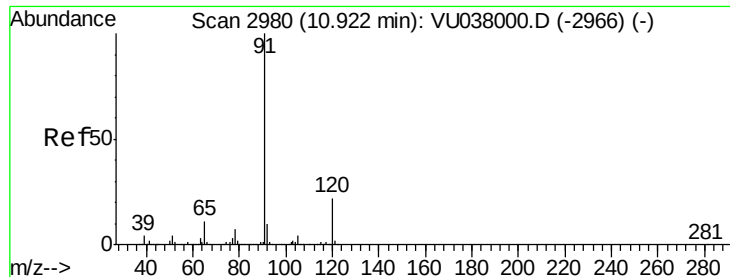
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#72
 Bromobenzene
 Concen: 0.475 ug/l
 RT: 10.80 min Scan# 2943
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Tgt Ion:	156	Resp:	12458
Ion	Ratio	Lower	Upper
156	100		
77	187.1	0.0	355.6
158	94.7	0.0	194.0





#73

n-propylbenzene

Concen: 0.450 ug/l

RT: 10.93 min Scan# 2981

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:120 Resp: 14503

Ion Ratio Lower Upper

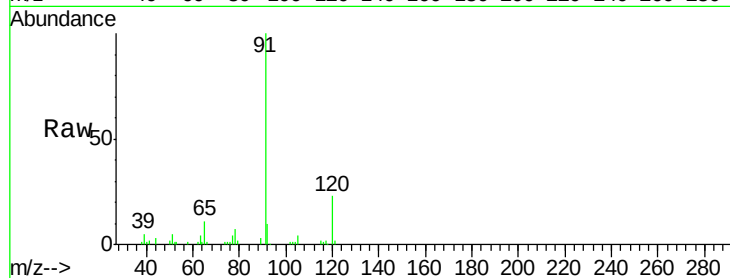
120 100

91 446.2 355.4 533.0

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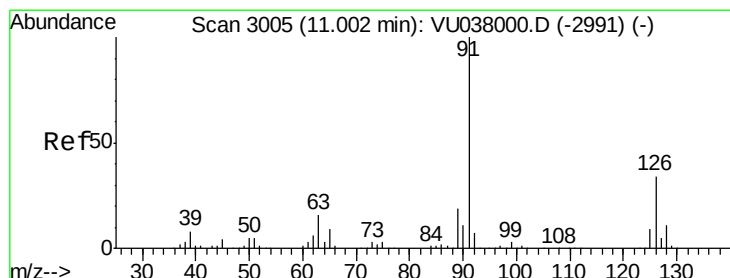
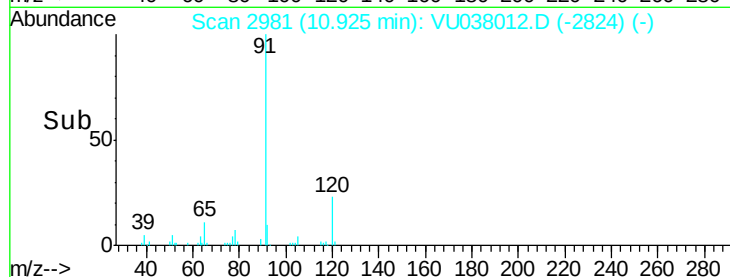
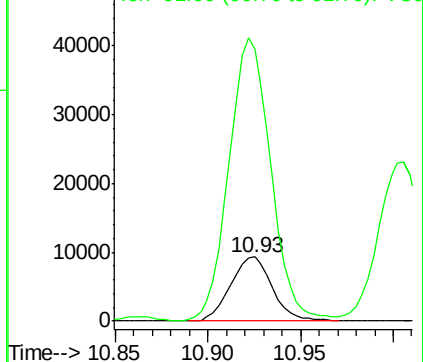
apatel

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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: 0.483 ug/l

RT: 11.01 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU038012.D

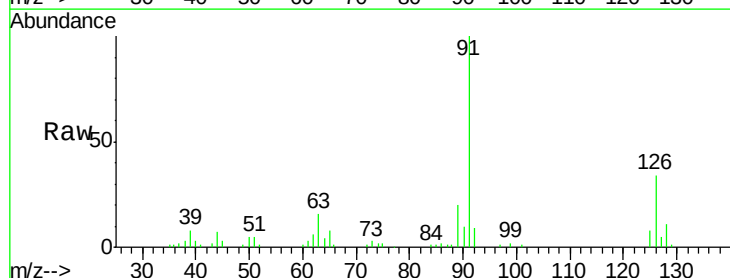
Acq: 05 May 2020 12:47

Tgt Ion:126 Resp: 13052

Ion Ratio Lower Upper

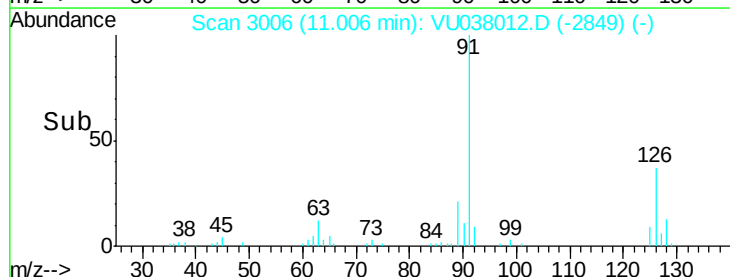
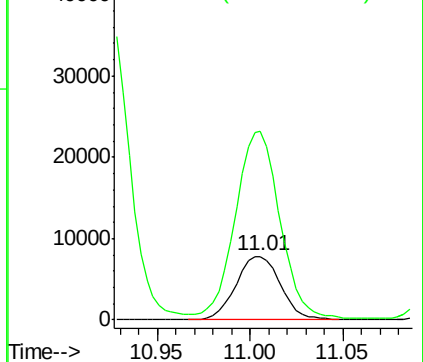
126 100

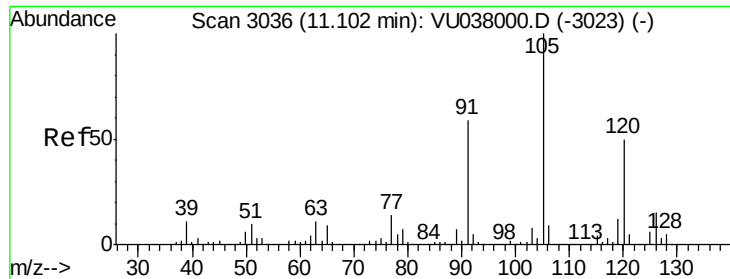
91 292.5 0.0 625.8



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: 0.426 ug/l

RT: 11.11 min Scan# 3037

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:105 Resp: 41401

Ion Ratio Lower Upper

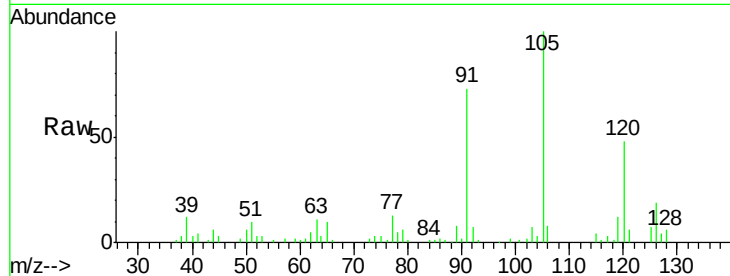
105 100

120 51.5 39.8 59.6

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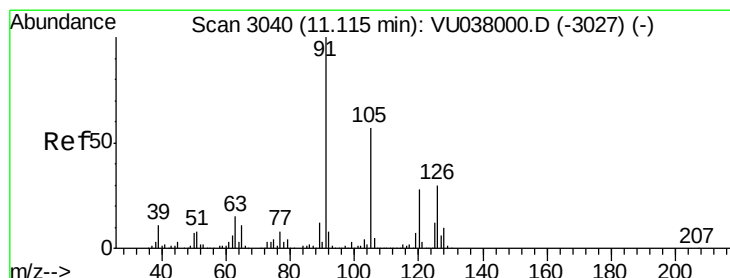
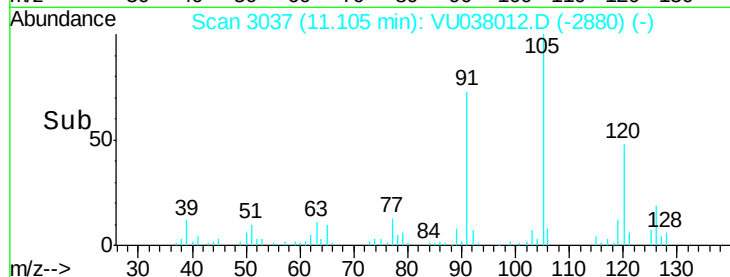
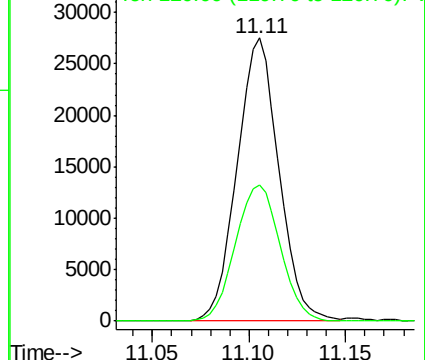
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.477 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. 0.00 min

Lab File: VU038012.D

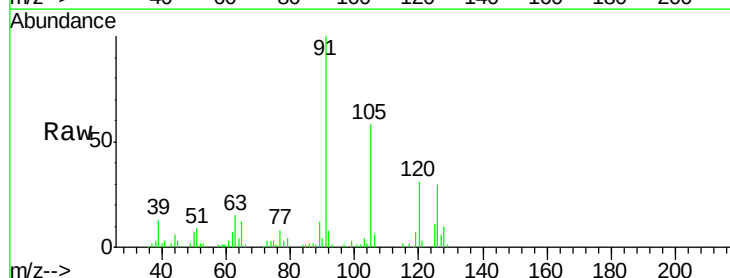
Acq: 05 May 2020 12:47

Tgt Ion:126 Resp: 13398

Ion Ratio Lower Upper

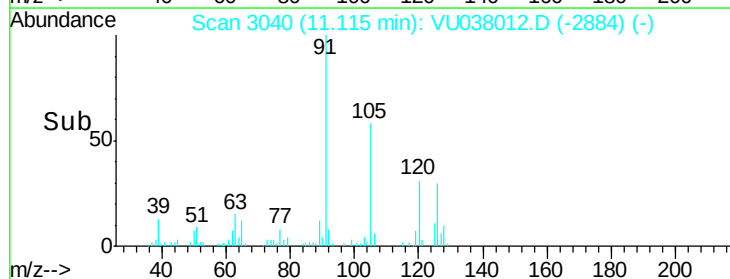
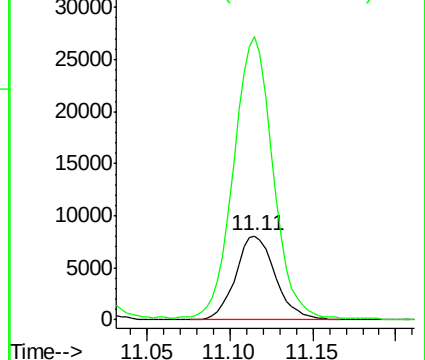
126 100

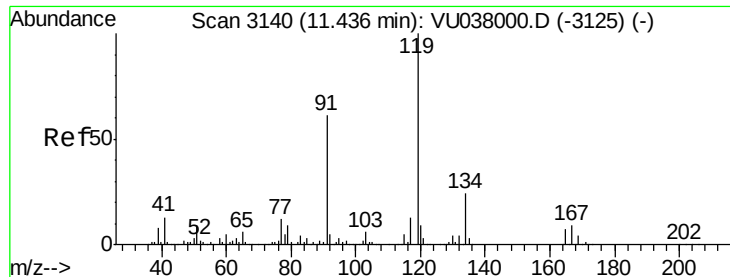
91 330.8 0.0 698.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.437 ug/l

RT: 11.44 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

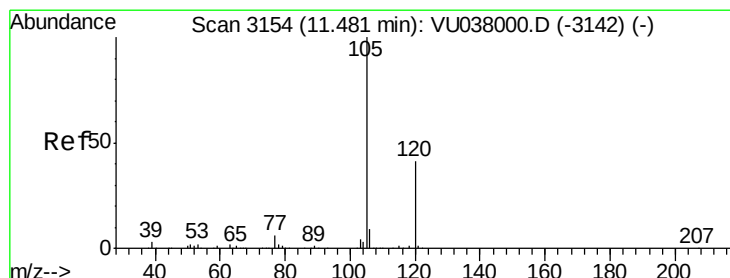
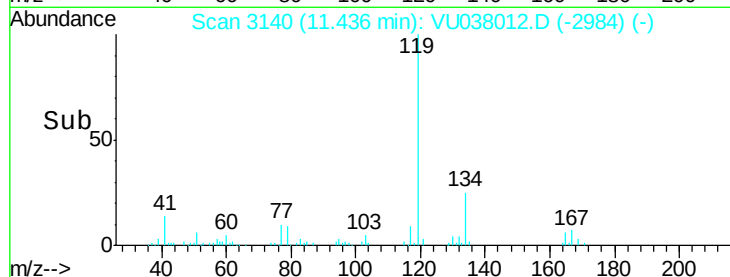
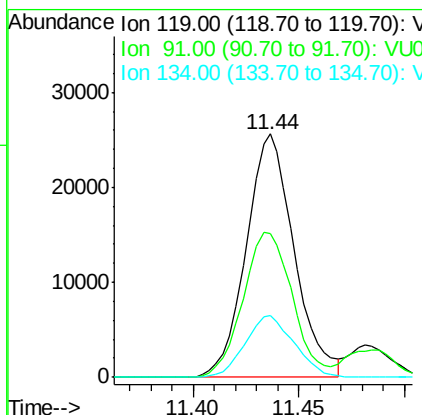
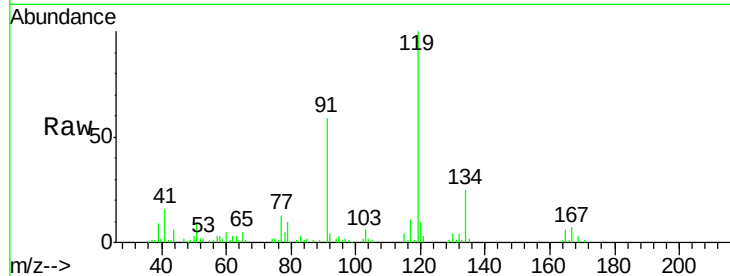
Instrument :
MSVOA_U

ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	30.1	90.5
134	25.9	19.0	28.6

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#78

1,2,4-Trimethylbenzene

Concen: 0.423 ug/l

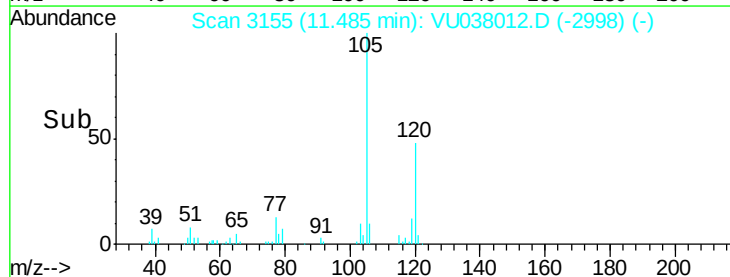
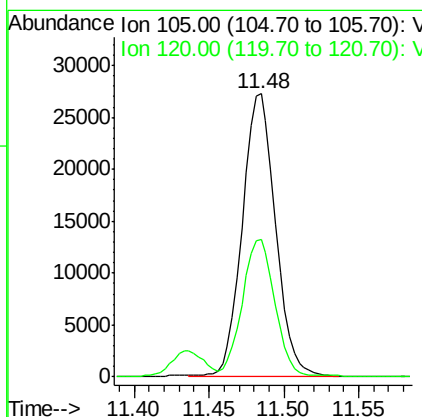
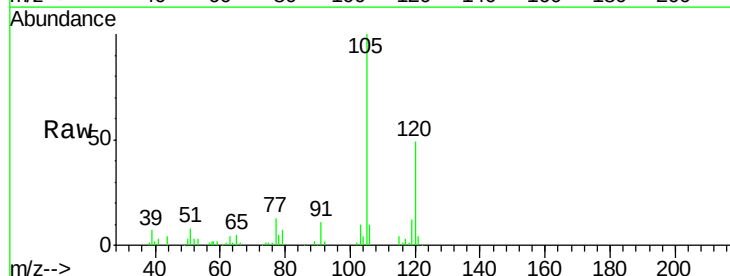
RT: 11.48 min Scan# 3155

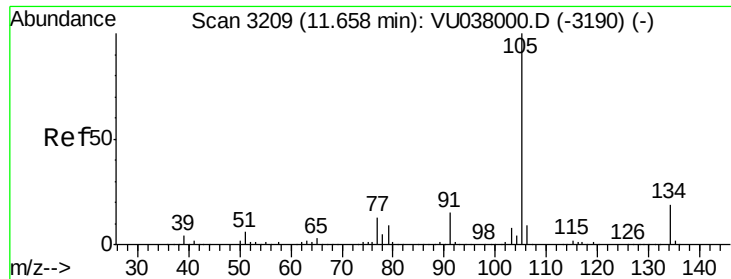
Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.0





#79

sec-Butylbenzene

Concen: 0.424 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 105 Resp: 56243

Ion Ratio Lower Upper

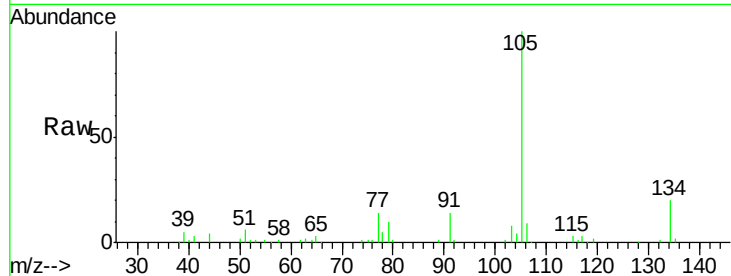
105 100

134 20.2 15.4 23.0

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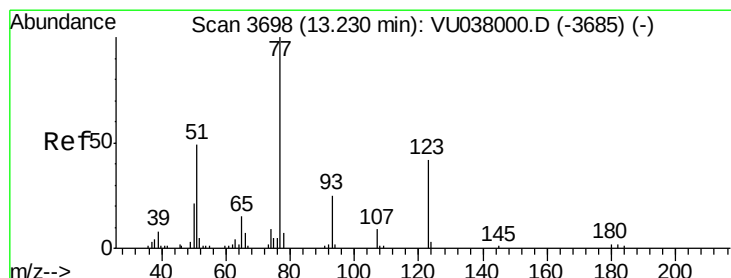
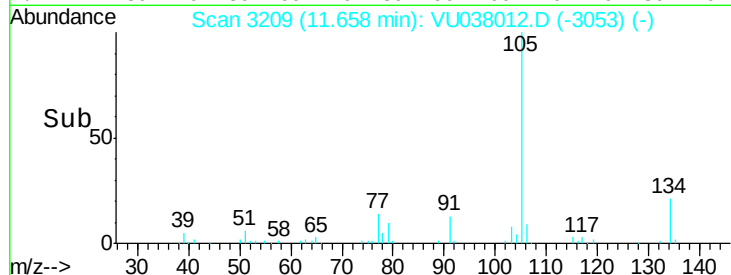
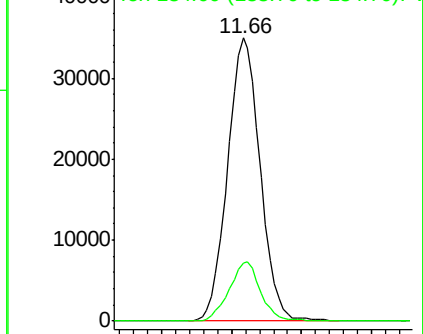
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 1.715 ug/l

RT: 13.23 min Scan# 3699

Delta R.T. 0.00 min

Lab File: VU038012.D

Acq: 05 May 2020 12:47

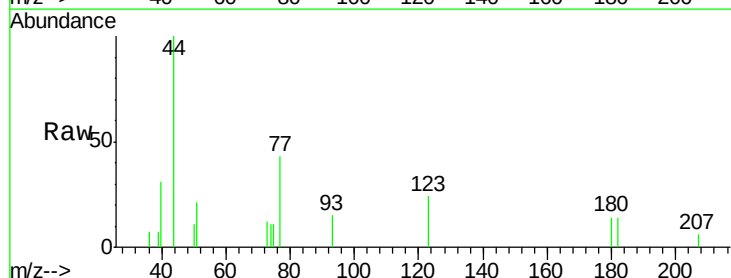
Tgt Ion: 77 Resp: 1161

Ion Ratio Lower Upper

77 100

123 44.9 17.6 62.6

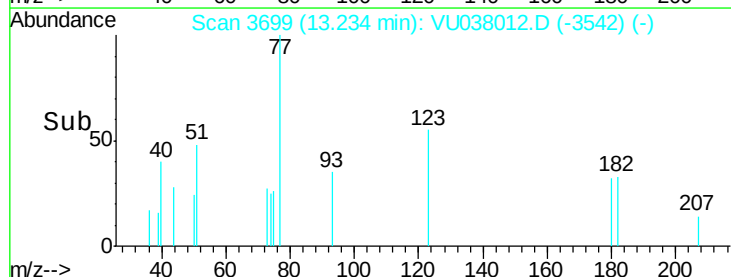
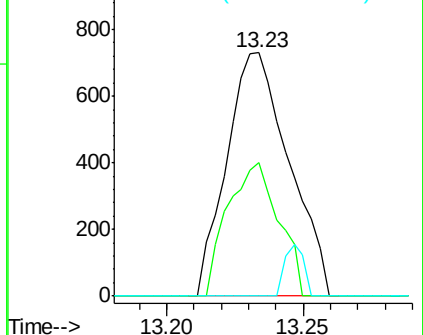
65 6.5 13.2 16.8#

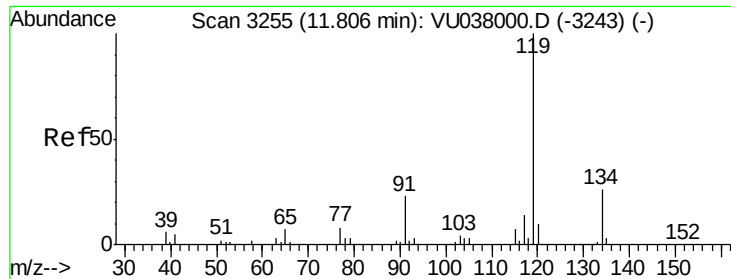


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





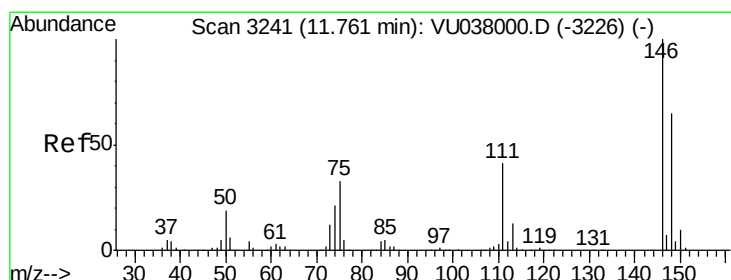
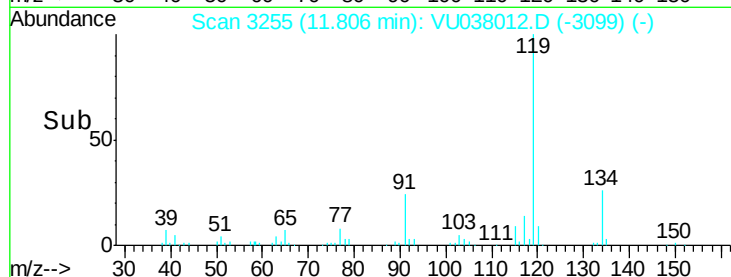
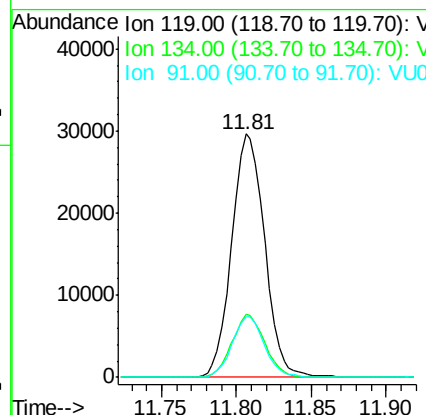
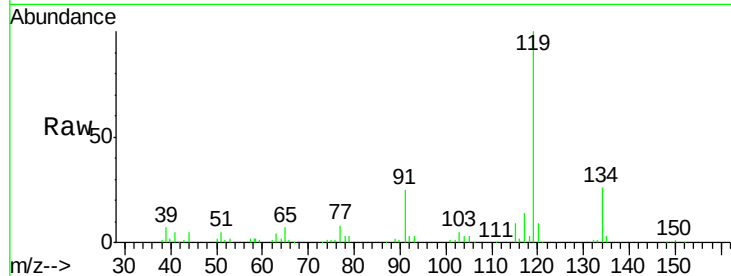
#81
 p-Isopropyltoluene
 Concen: 0.426 ug/l
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	31.0
91	24.3	18.6	28.0

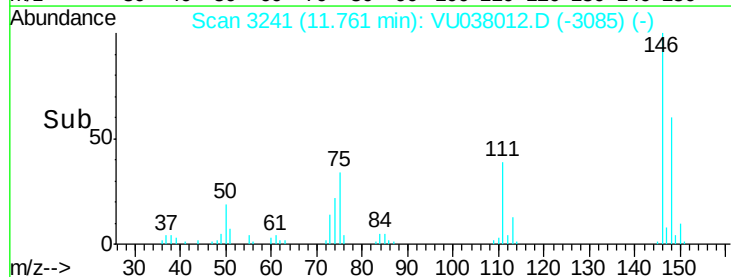
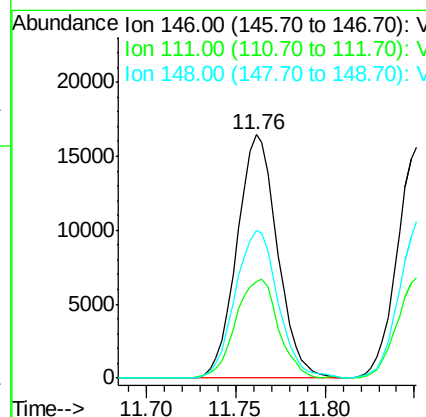
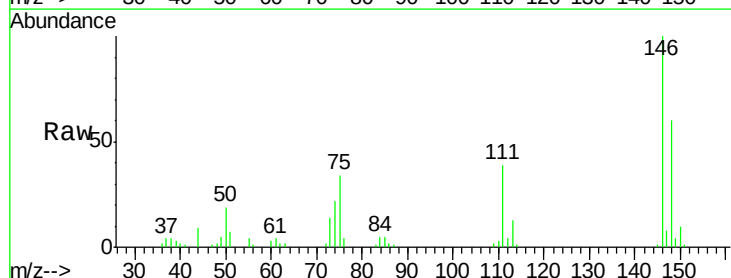
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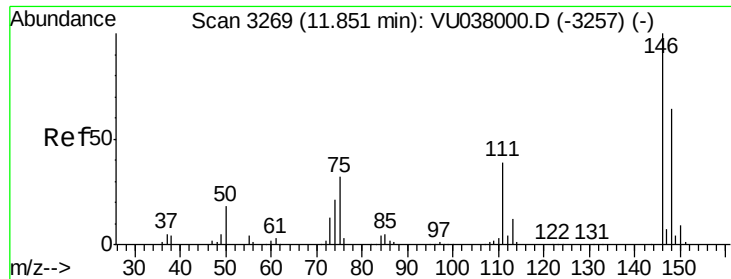
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#82
 1,3-Dichlorobenzene
 Concen: 0.480 ug/l
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	33.0	49.4
148	64.0	51.4	77.2





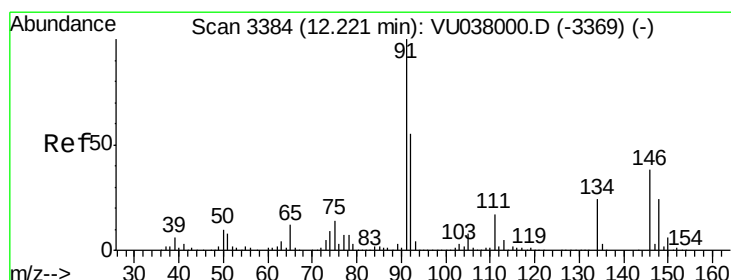
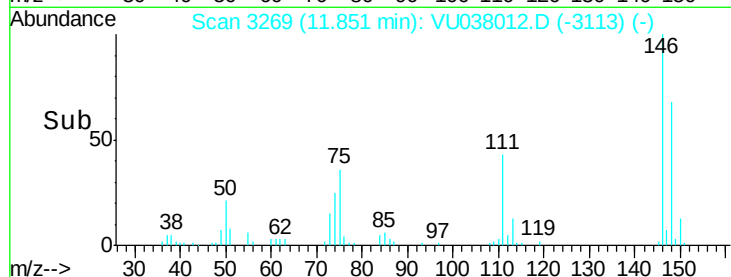
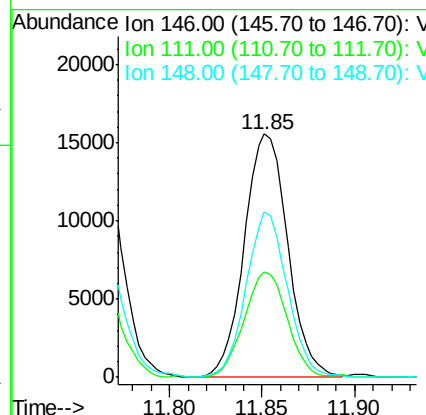
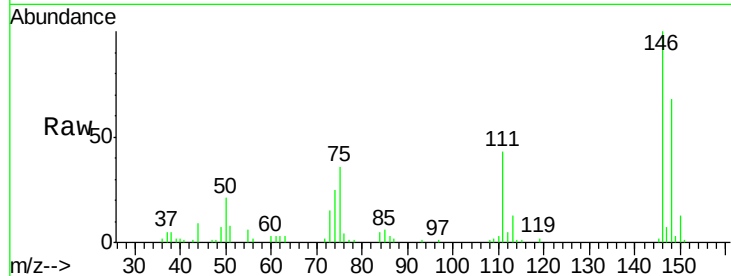
#83
 1,4-Dichlorobenzene
 Concen: 0.463 ug/l
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	31.8	47.6
148	64.4	51.2	76.8

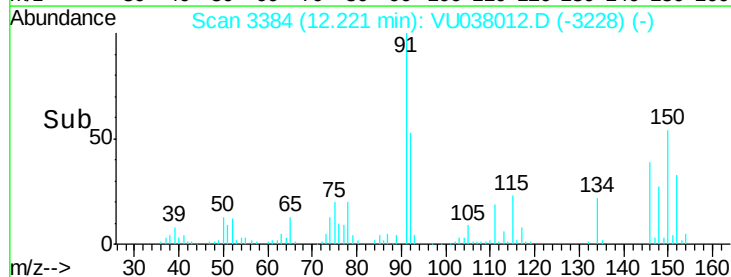
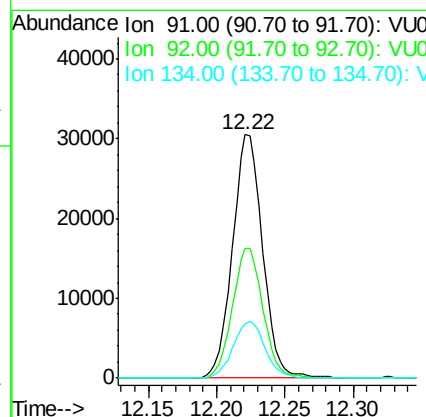
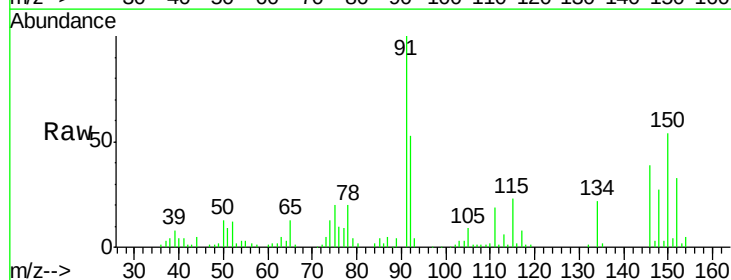
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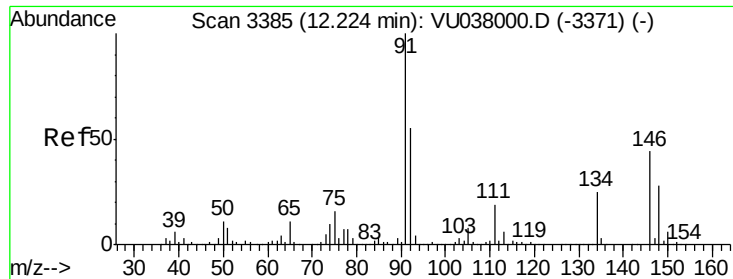
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#84
 n-Butylbenzene
 Concen: 0.438 ug/l
 RT: 12.22 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.8	65.6
134	24.4	19.4	29.2





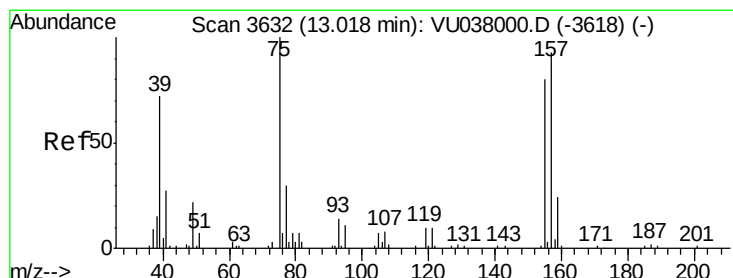
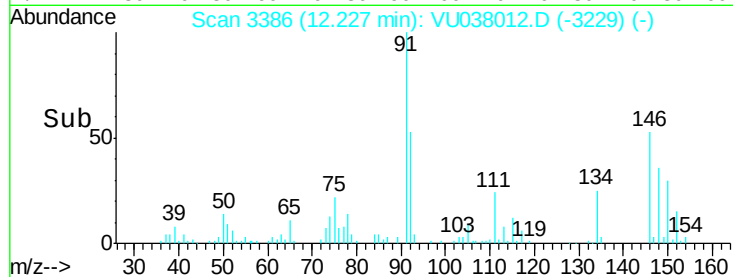
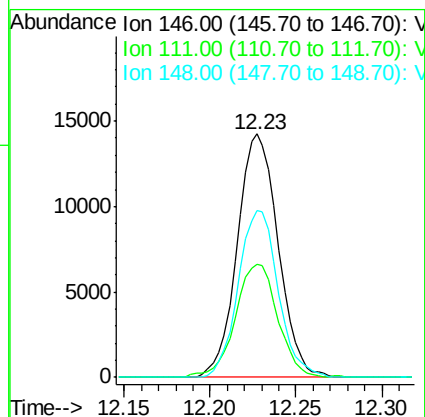
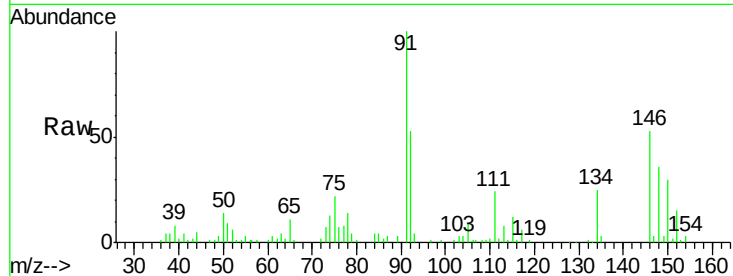
#85
 1,2-Dichlorobenzene
 Concen: 0.466 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	21.9	65.8
148	67.1	31.8	95.4

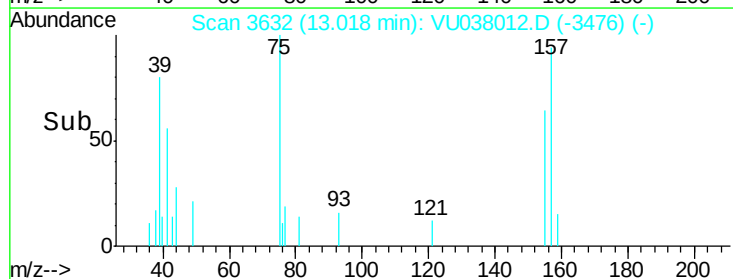
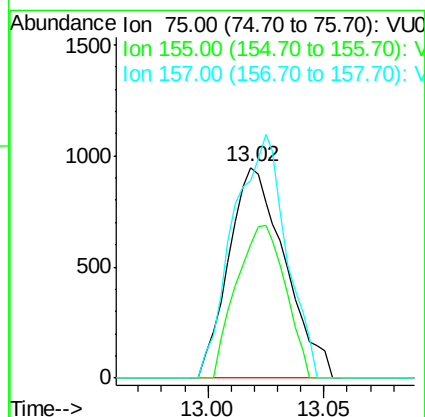
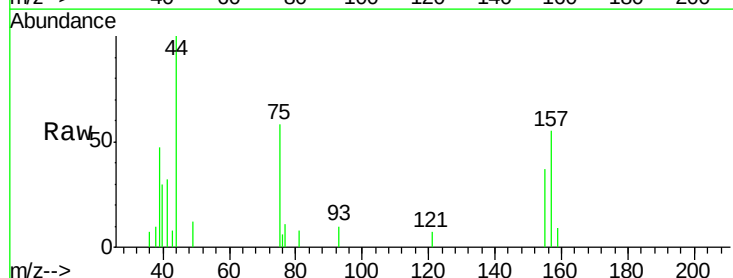
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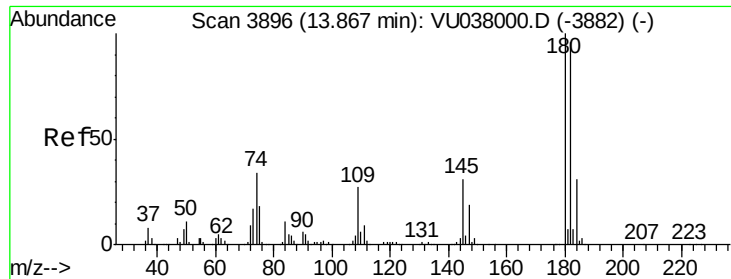
apatel
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.443 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.4	60.9	91.3
157	109.7	78.1	117.1





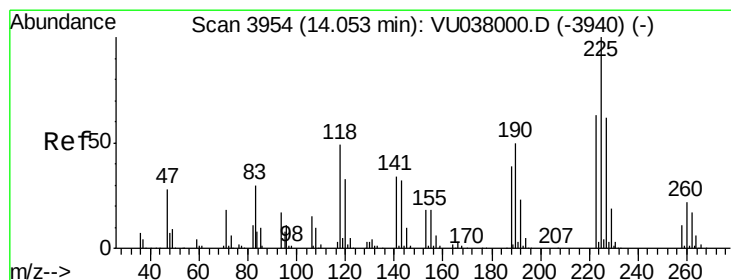
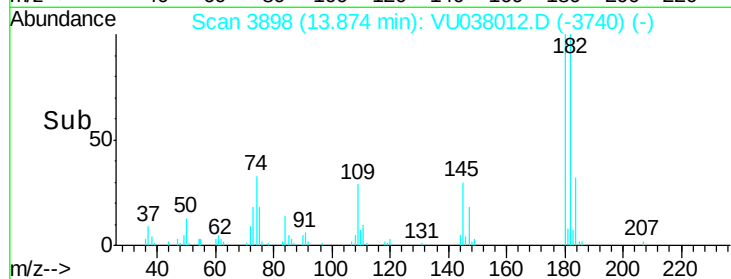
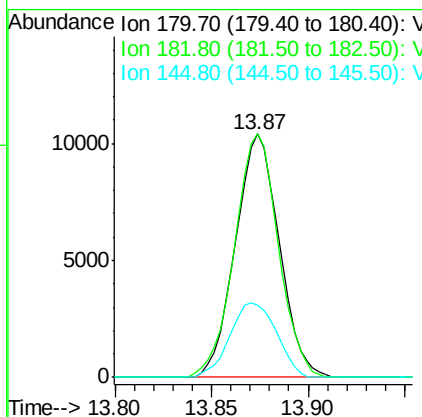
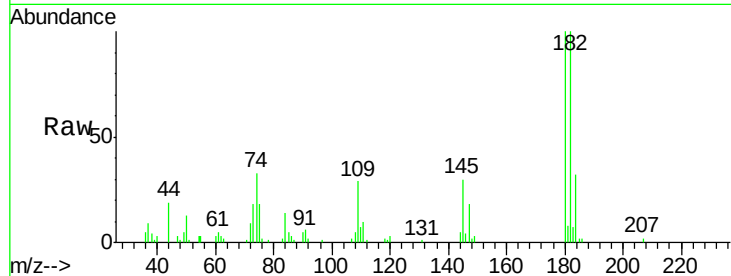
#87
 1,2,4-Trichlorobenzene
 Concen: 0.444 ug/l
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.9	76.9	115.3
145	32.6	24.7	37.1

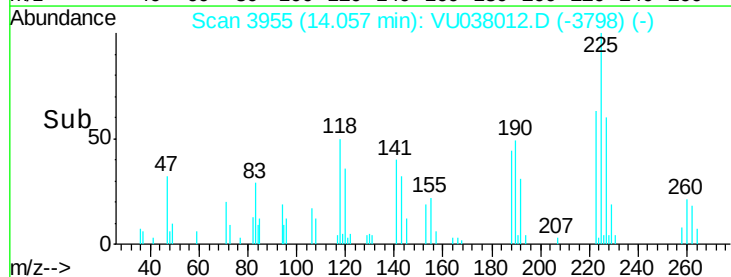
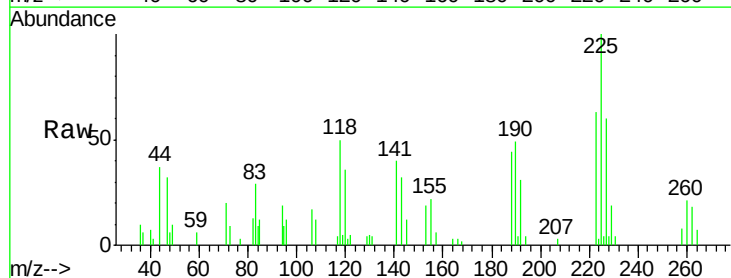
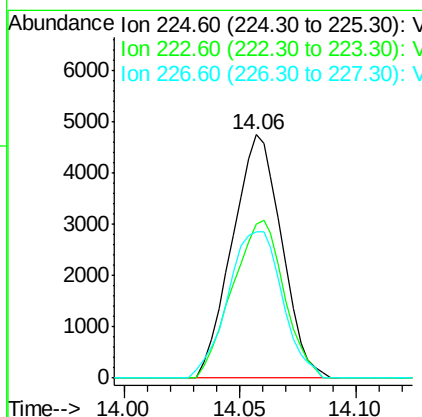
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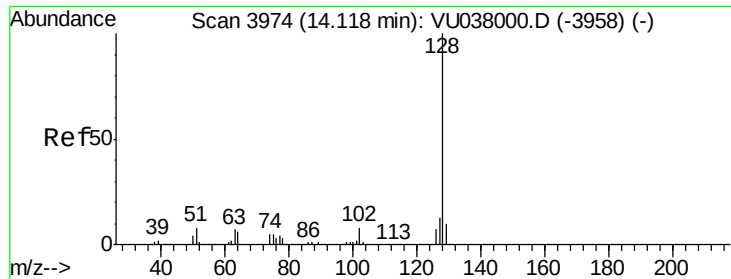
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#88
 Hexachlorobutadiene
 Concen: 0.424 ug/l
 RT: 14.06 min Scan# 3955
 Delta R.T. 0.00 min
 Lab File: VU038012.D
 Acq: 05 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.6	51.3	76.9
227	66.3	49.2	73.8





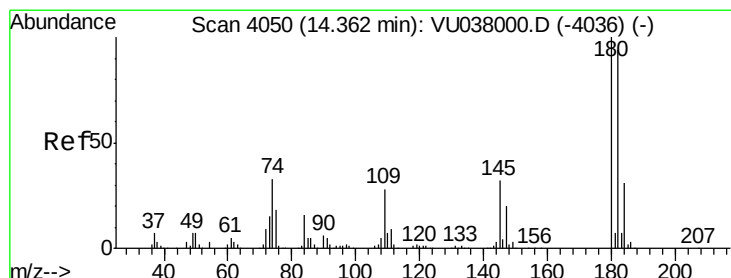
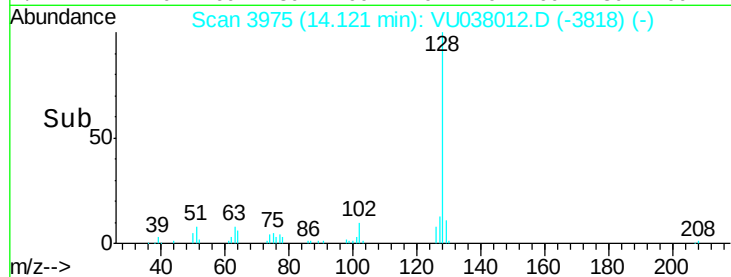
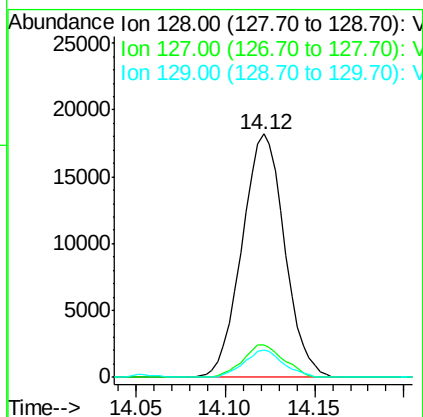
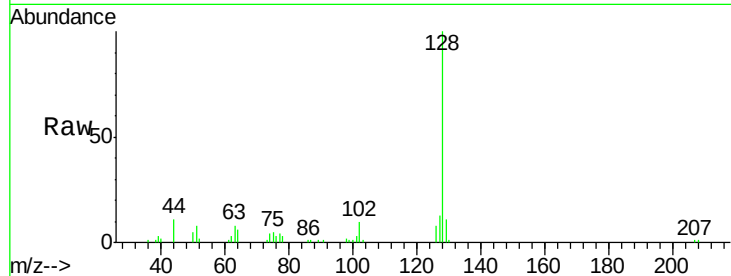
#89
Naphthalene
Concen: 0.427 ug/l
RT: 14.12 min Scan# 3975
Delta R.T. 0.00 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.2	8.6	12.8

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#90
1,2,3-Trichlorobenzene
Concen: 0.462 ug/l
RT: 14.37 min Scan# 4052
Delta R.T. 0.01 min
Lab File: VU038012.D
Acq: 05 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.9	113.9
145	33.2	26.0	39.0

