

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031419\
 Data File : VU030008.D
 Acq On : 12 Mar 2019 15:52
 Operator : JC/SP
 Sample : K1560-07 LOD MDL0.25ppb
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 12:56:16 PM

Quant Time: Mar 13 09:34:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 13 04:21:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	59056	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	19476	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	23161	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	5450	0.252	ug/l	99
3) Chloromethane	1.33	50	7047	0.287	ug/l	93
4) Vinyl Chloride	1.40	62	5368	0.255	ug/l	99
5) Bromomethane	1.63	94	3426	0.285	ug/l	98
6) Chloroethane	1.70	64	3279	0.270	ug/l	96
7) Trichlorofluoromethane	1.88	101	7377	0.270	ug/l	91
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3620	0.244	ug/l	94
9) 1,1-Dichloroethene	2.28	96	3512	0.238	ug/l	86
10) Iodomethane	2.41	142	2876	0.225	ug/l	98
11) Allyl Chloride	2.59	41	5067	0.243	ug/l	99
12) Acrylonitrile	2.94	53	1960	0.614	ug/l	90
13) Acetone	2.32	43	4972	1.790	ug/l	90
14) Carbon Disulfide	2.48	76	12897	0.251	ug/l #	94
15) Methylene Chloride	2.70	84	6158	0.351	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	4301	0.253	ug/l	94
17) 1,1-Dichloroethane	3.44	63	7400	0.257	ug/l	96
18) 2-Butanone	4.29	43	4045	1.052	ug/l	99
19) Cyclohexane	4.99	56	5995m	0.243	ug/l	
20) Methylcyclohexane	6.41	83	6527	0.240	ug/l	96
21) 2,2-Dichloropropane	4.22	77	6438	0.266	ug/l	96
22) cis-1,2-Dichloroethene	4.23	96	4549	0.240	ug/l	97
23) Diethyl Ether	2.10	59	2913	0.265	ug/l #	85
24) tert-Butyl Alcohol	2.83	59	4055	3.442	ug/l #	86
25) Methyl tert-Butyl Ether	3.00	73	9203	0.247	ug/l	99
26) Bromochloromethane	4.55	128	1980	0.239	ug/l	92
27) Chloroform	4.68	83	7145	0.236	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	6302	0.253	ug/l	98
29) 1,1-Dichloropropene	5.13	75	5517	0.243	ug/l	98
30) Carbon Tetrachloride	5.13	117	5090	0.229	ug/l	96
31) Isopropyl Ether	3.57	45	10542	0.260	ug/l	98
32) Ethyl-t-butyl ether	4.08	59	9612	0.246	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	8518	0.239	ug/l	97
34) Propionitrile	4.34	54	861	0.803	ug/l #	45
35) Benzene	5.39	78	16489	0.249	ug/l	93
36) 1,2-Dichloroethane	5.41	62	4463	0.252	ug/l #	92
37) Trichloroethene	6.19	130	5040	0.264	ug/l	100
38) 1,2-Dichloropropane	6.44	63	4399	0.261	ug/l	96
41) Tetrahydrofuran	4.65	42	926m	0.358	ug/l	
42) 1-Chlorobutane	5.06	56	7368	0.248	ug/l	95
43) Dibromomethane	6.56	93	2275	0.261	ug/l	89
44) Bromodichloromethane	6.76	83	4788	0.230	ug/l	91

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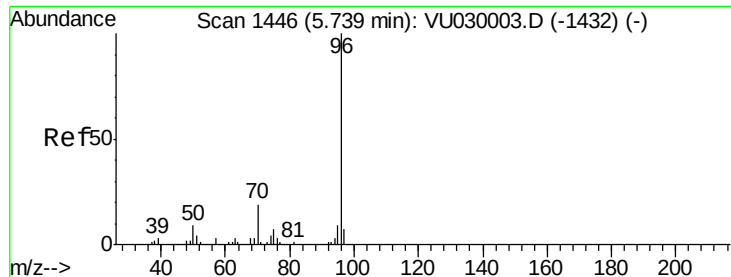
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.47	43	10410	1.208	ug/l	96
46) t-1,4-Dichloro-2-butene	10.52	75	1732m	1.662	ug/l	
47) Methyl methacrylate	6.64	69	2840	0.389	ug/l	88
49) Toluene	7.64	92	9381	0.235	ug/l	94
50) t-1,3-Dichloropropene	7.89	75	4166	0.224	ug/l	99
51) cis-1,3-Dichloropropene	7.28	75	5233	0.223	ug/l #	89
52) 1,1,2-Trichloroethane	8.07	97	3004	0.244	ug/l	93
53) 1,3-Dichloropropane	8.25	76	5099	0.247	ug/l	99
54) 2-Hexanone	8.38	43	7152	1.152	ug/l	87
55) Dibromochloromethane	8.48	129	3285	0.221	ug/l	95
56) 1,2-Dibromoethane	8.59	107	2838	0.239	ug/l	89
58) Tetrachloroethene	8.22	164	4642	0.268	ug/l	96
59) Chlorobenzene	9.12	112	11477	0.251	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	3987	0.247	ug/l	100
61) Pentachloroethane	11.10	117	2797	0.225	ug/l	91
62) Hexachloroethane	12.14	117	2900	0.231	ug/l	90
63) Ethyl Benzene	9.25	91	16808	0.224	ug/l	100
64) m/p-Xylenes	9.37	106	12521	0.424	ug/l	99
65) o-Xylene	9.78	106	6354	0.220	ug/l	97
66) Styrene	9.79	104	9735	0.205	ug/l	99
67) Bromoform	9.96	173	1806	0.213	ug/l #	97
69) Isopropylbenzene	10.16	105	18537	0.246	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	4373	0.288	ug/l	97
71) 1,2,3-Trichloropropane	10.50	75	3331m	0.292	ug/l	
72) Bromobenzene	10.45	156	4456	0.225	ug/l	92
73) n-propylbenzene	10.59	120	5049	0.236	ug/l	97
74) 2-Chlorotoluene	10.66	126	4189	0.223	ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	13143	0.204	ug/l	100
76) 4-Chlorotoluene	10.77	126	4835	0.253	ug/l	91
77) tert-Butylbenzene	11.10	119	13821	0.220	ug/l	96
78) 1,2,4-Trimethylbenzene	11.15	105	15737	0.241	ug/l	98
79) sec-Butylbenzene	11.32	105	22032	0.261	ug/l	100
81) p-Isopropyltoluene	11.48	119	17831	0.252	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	12583	0.315	ug/l	99
83) 1,4-Dichlorobenzene	11.42	146	12583	0.313	ug/l	99
84) n-Butylbenzene	11.89	91	15303	0.232	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	8720	0.234	ug/l	95
87) 1,2,4-Trichlorobenzene	13.50	180	5650	0.210	ug/l	94
88) Hexachlorobutadiene	13.69	225	6959	0.478	ug/l	94
90) 1,2,3-Trichlorobenzene	13.99	180	6625	0.272	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030008.D

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Instrument :

MSVOA_U

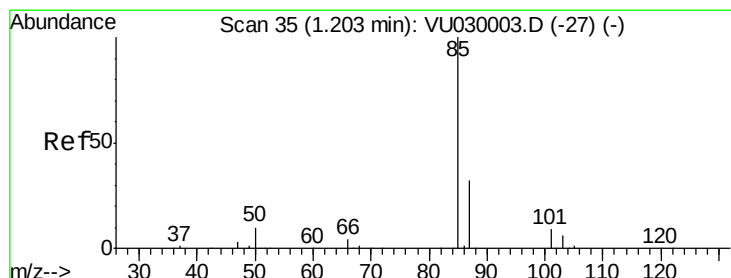
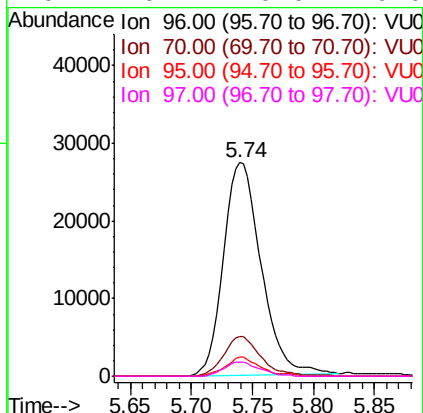
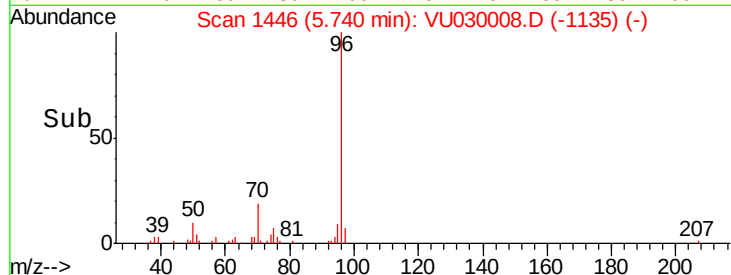
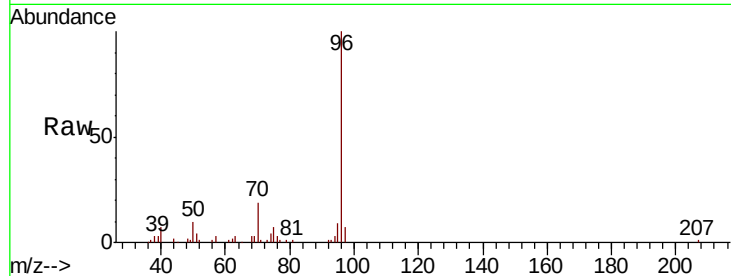
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
96	100		
70	18.8	15.5	23.3
95	8.4	6.6	9.8
97	6.2	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.252 ug/l

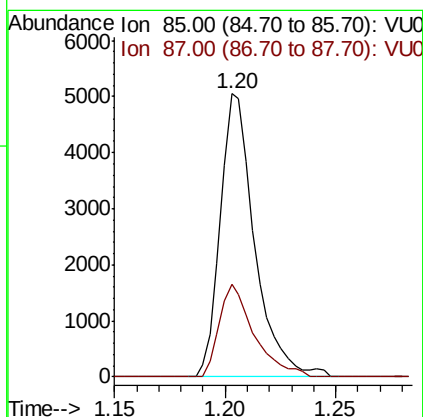
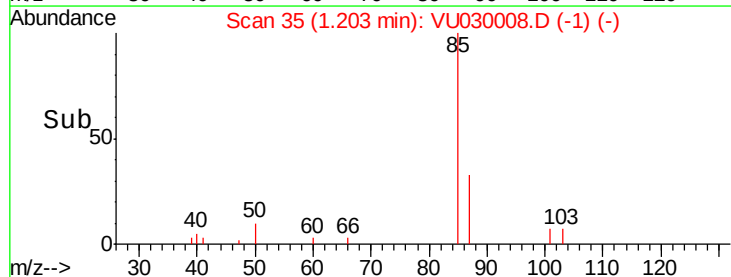
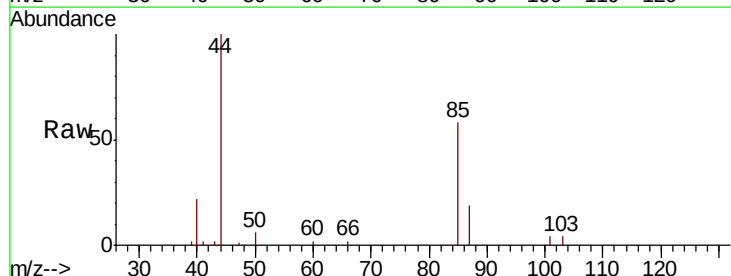
RT: 1.20 min Scan# 35

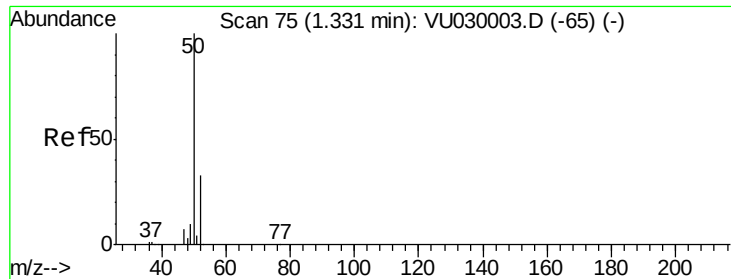
Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.2	48.6





#3

Chloromethane

Concen: 0.287 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 50 Resp: 7047

Ion Ratio Lower Upper

50 100

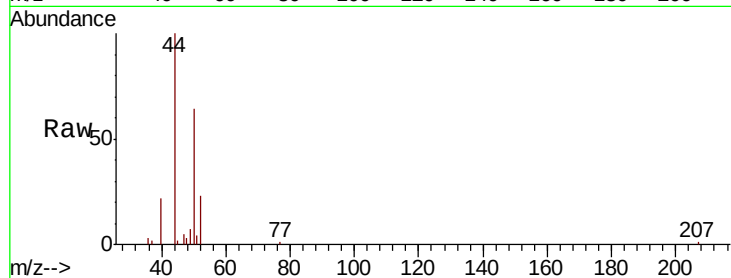
52 36.3 26.1 39.1

Manual Integrations

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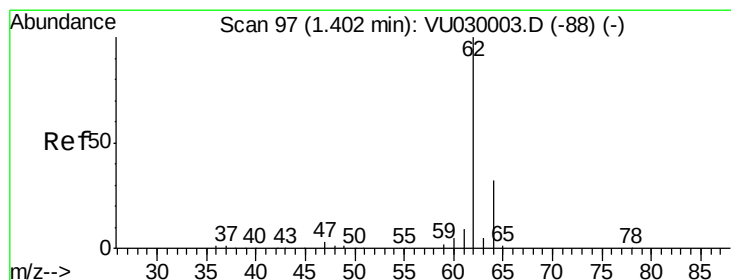
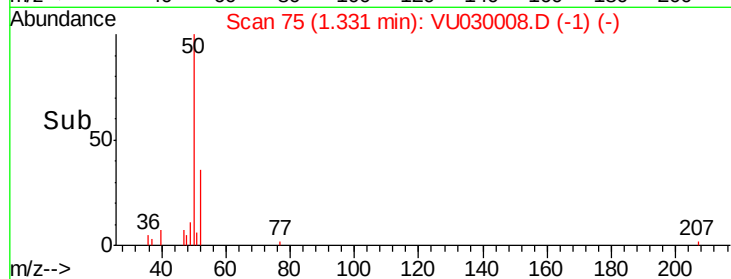
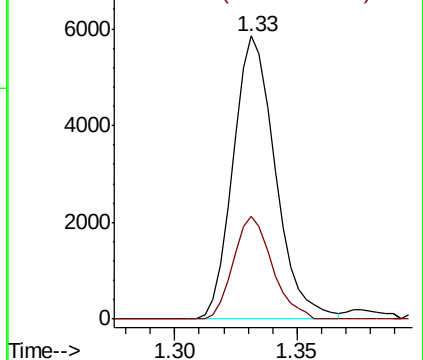
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Abundance Ion 50.00 (49.70 to 50.70): VU030003.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU030003.D (-65) (-)



#4

Vinyl Chloride

Concen: 0.255 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030008.D

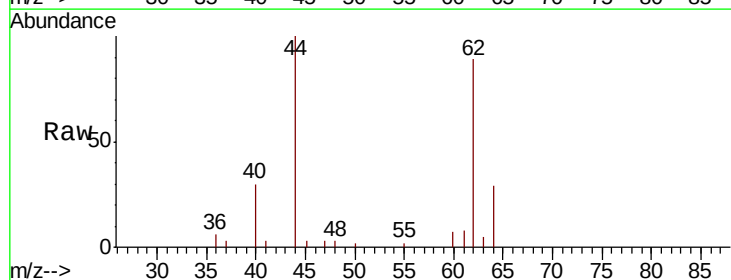
Acq: 12 Mar 2019 15:52

Tgt Ion: 62 Resp: 5368

Ion Ratio Lower Upper

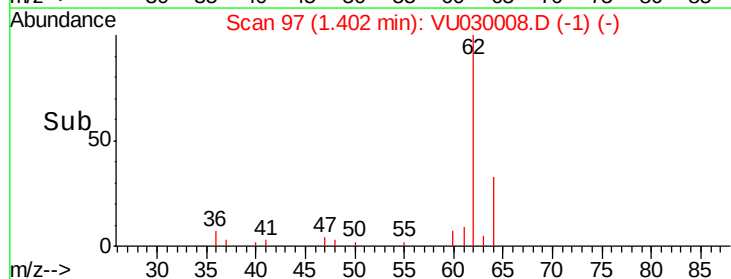
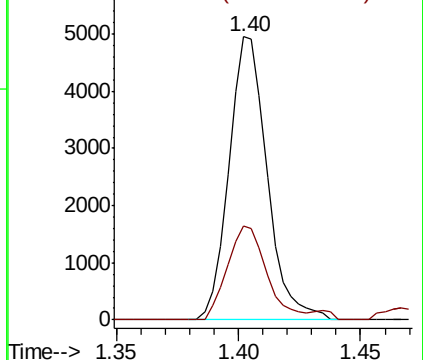
62 100

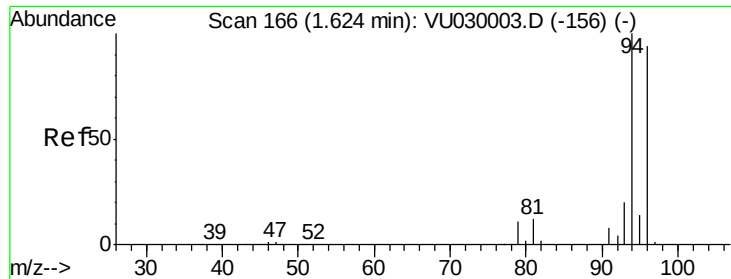
64 33.1 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VU030003.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU030003.D (-88) (-)





#5

Bromomethane

Concen: 0.285 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 94 Resp: 3426

Ion Ratio Lower Upper

94 100

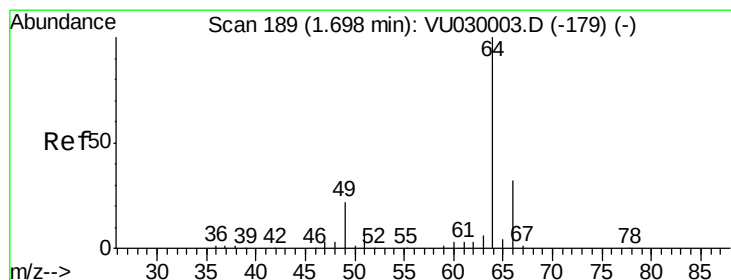
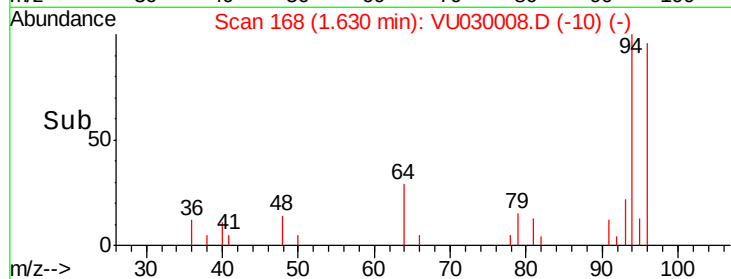
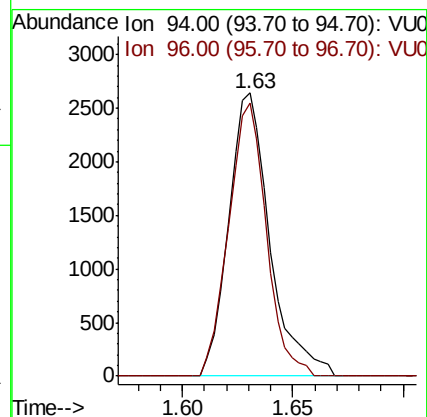
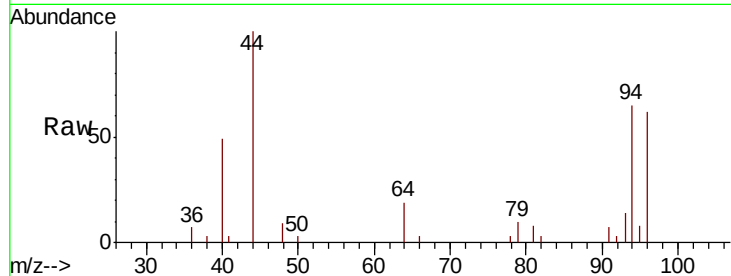
96 96.3 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 0.270 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030008.D

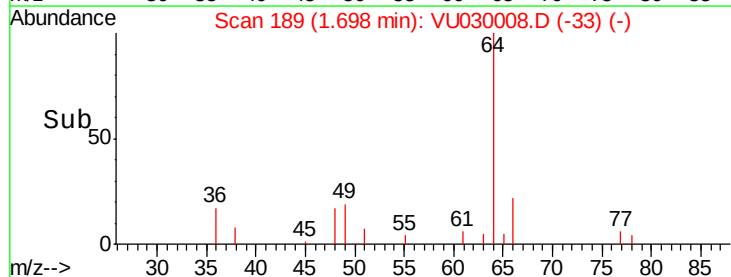
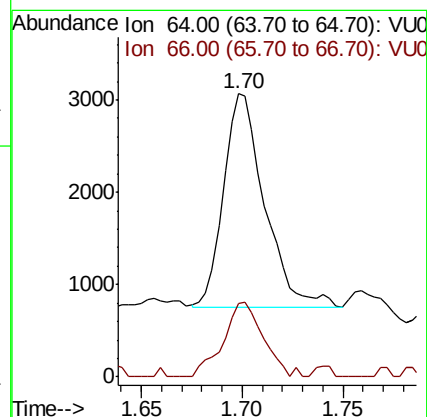
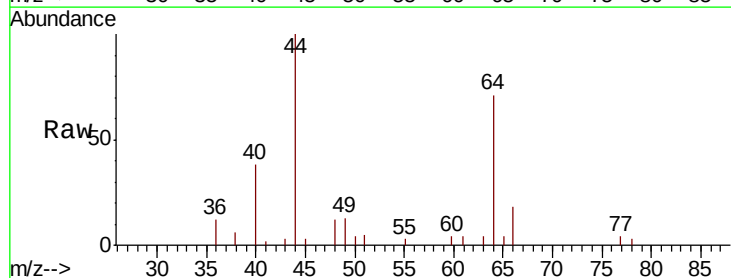
Acq: 12 Mar 2019 15:52

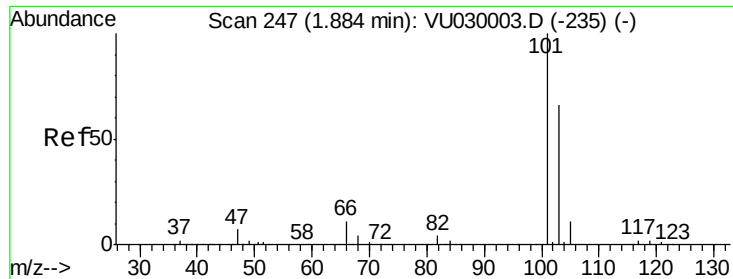
Tgt Ion: 64 Resp: 3279

Ion Ratio Lower Upper

64 100

66 34.4 25.8 38.6





#7

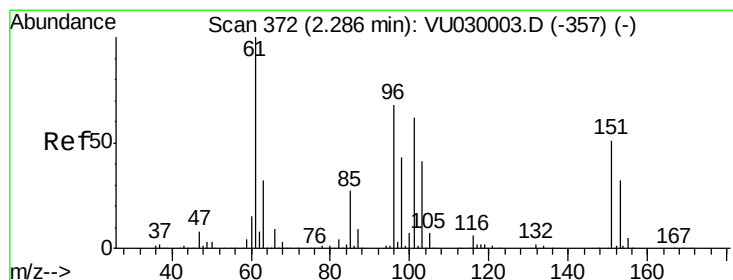
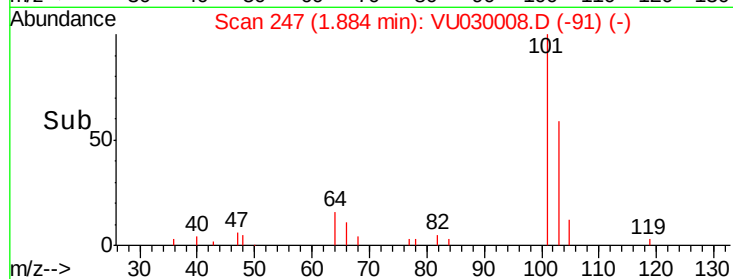
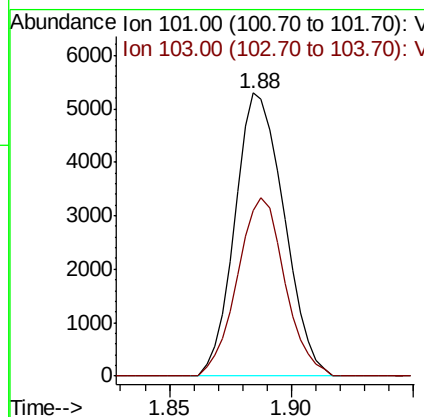
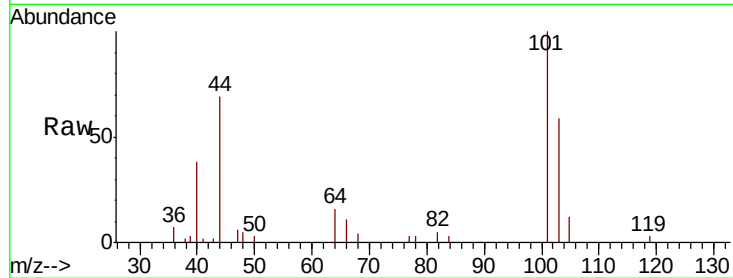
Trichlorofluoromethane
 Concen: 0.270 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Instrument :
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Tgt Ion:101 Resp: 7377
 Ion Ratio Lower Upper
 101 100
 103 58.7 52.6 79.0

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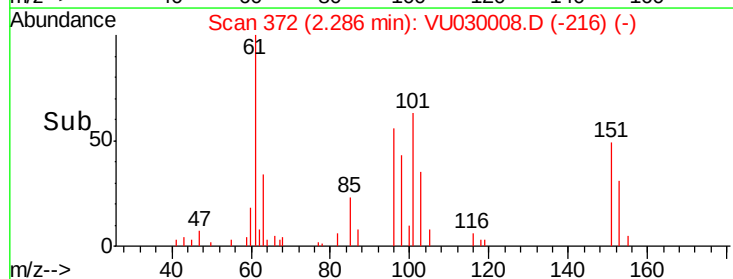
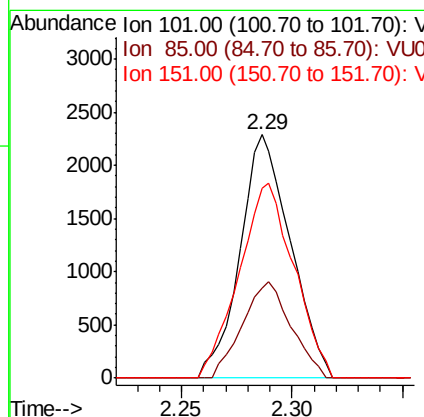
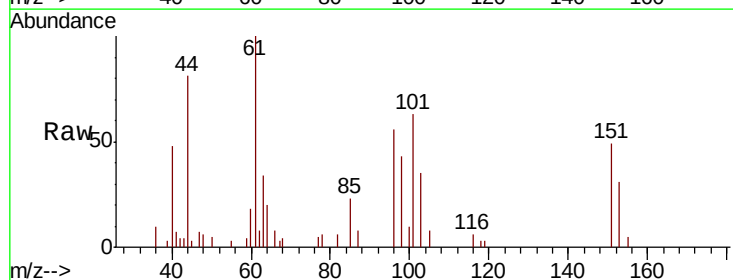
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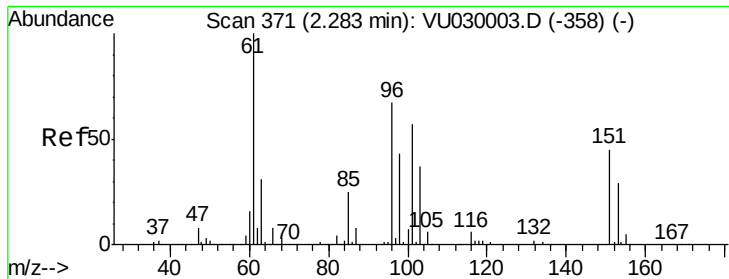


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.244 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Tgt Ion:101 Resp: 3620
 Ion Ratio Lower Upper
 101 100
 85 38.2 33.6 50.4
 151 87.1 65.0 97.4





#9

1,1-Dichloroethene

Concen: 0.238 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

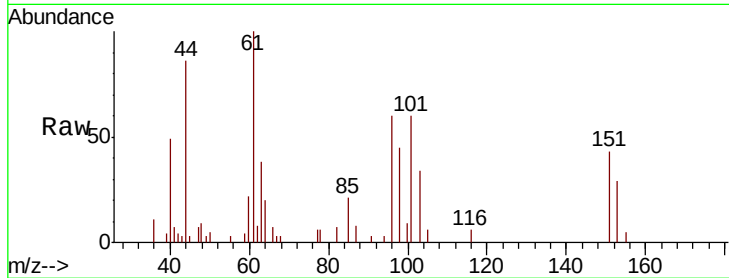
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion:	96	Resp:	3512
Ion	Ratio	Lower	Upper
96	100		
61	168.0	0.0	447.0
98	75.0	0.0	129.2

Manual Integrations
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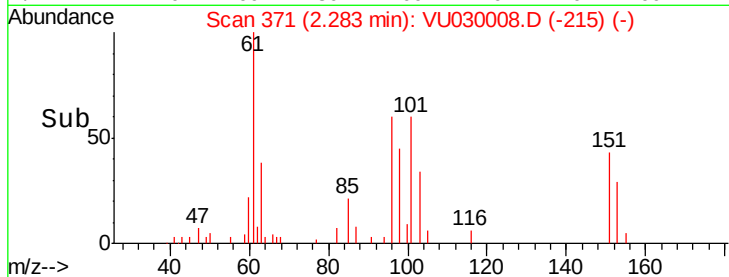


Abundance Ion 96.00 (95.70 to 96.70): VU030003.D (-358) (-)

Ion 61.00 (60.70 to 61.70): VU030003.D (-358) (-)

Ion 98.00 (97.70 to 98.70): VU030003.D (-358) (-)

Time-->

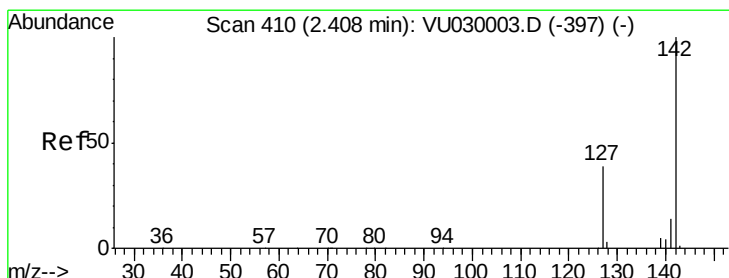


Abundance Ion 96.00 (95.70 to 96.70): VU030008.D (-215) (-)

Ion 61.00 (60.70 to 61.70): VU030008.D (-215) (-)

Ion 98.00 (97.70 to 98.70): VU030008.D (-215) (-)

Time-->



#10

Iodomethane

Concen: 0.225 ug/l

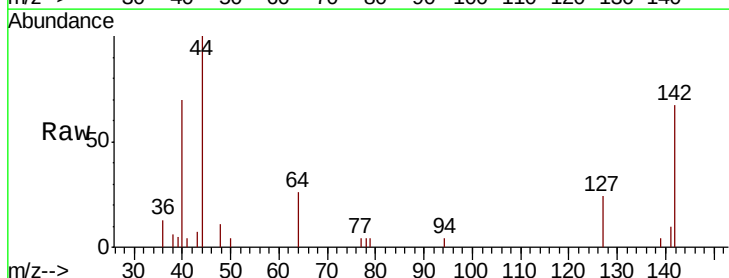
RT: 2.41 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

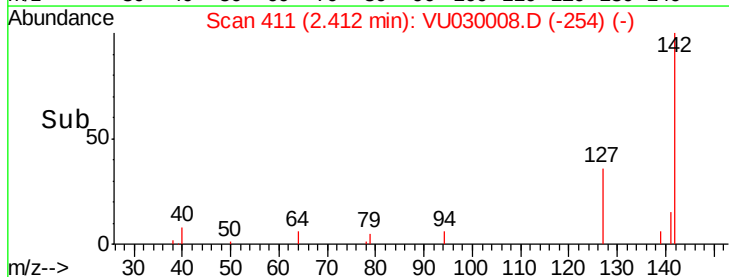
Tgt Ion:	142	Resp:	2876
Ion	Ratio	Lower	Upper
142	100		
127	39.3	32.2	48.4



Abundance Ion 142.00 (141.70 to 142.70): VU030003.D (-397) (-)

Ion 127.00 (126.70 to 127.70): VU030003.D (-397) (-)

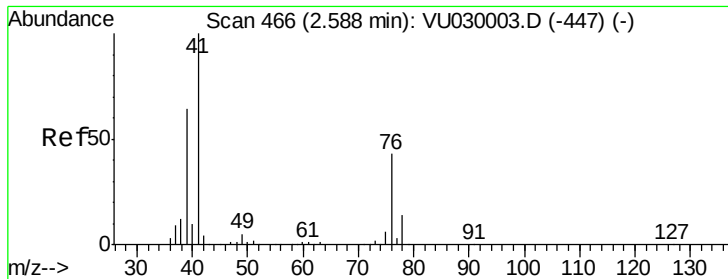
Time-->



Abundance Ion 142.00 (141.70 to 142.70): VU030008.D (-254) (-)

Ion 127.00 (126.70 to 127.70): VU030008.D (-254) (-)

Time-->



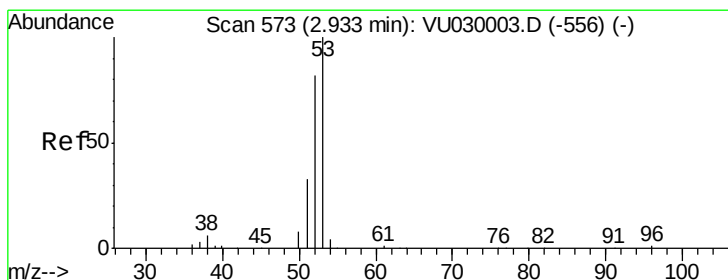
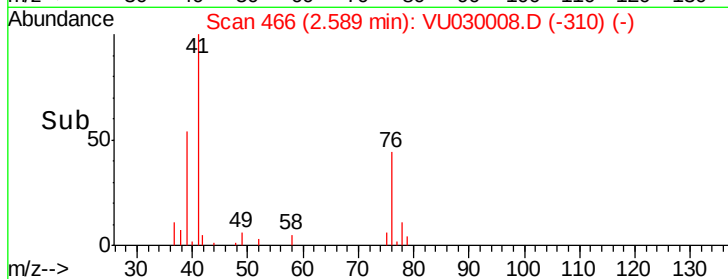
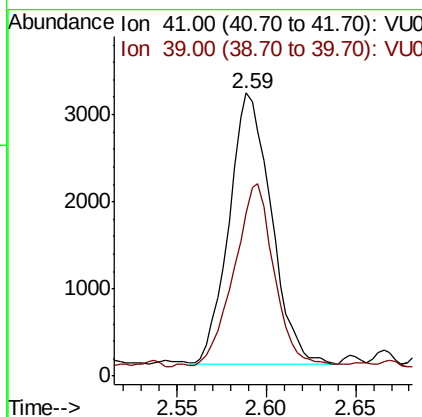
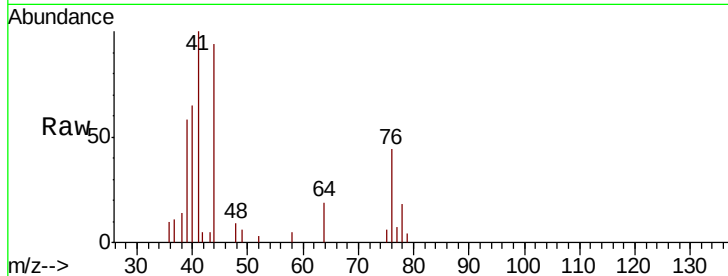
#11
 Allyl Chloride
 Concen: 0.243 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 41 Resp: 5067
 Ion Ratio Lower Upper
 41 100
 39 64.0 50.8 76.2

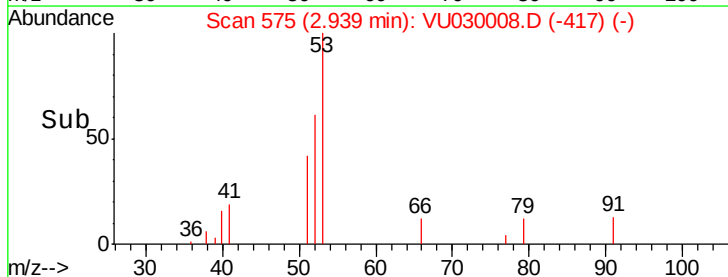
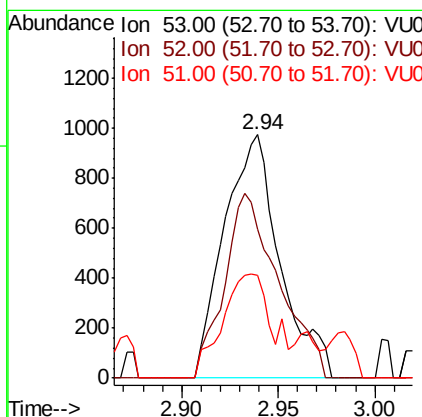
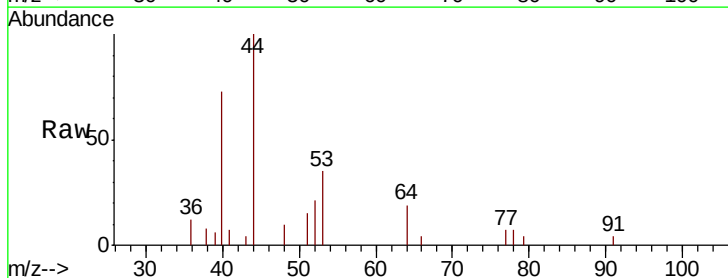
Manual Integrations
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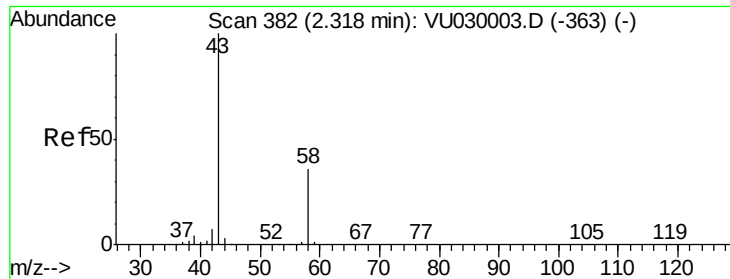
MMDadoda
 3/13/2019 12:56:16 PM



#12
 Acrylonitrile
 Concen: 0.614 ug/l
 RT: 2.94 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Tgt Ion: 53 Resp: 1960
 Ion Ratio Lower Upper
 53 100
 52 73.5 66.3 99.5
 51 38.9 26.9 40.3





#13

Acetone

Concen: 1.790 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 43 Resp: 4972

Ion Ratio Lower Upper

43 100

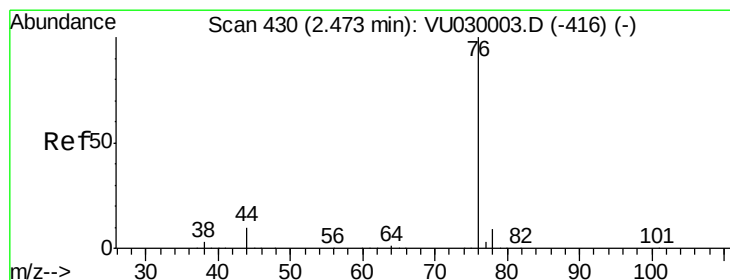
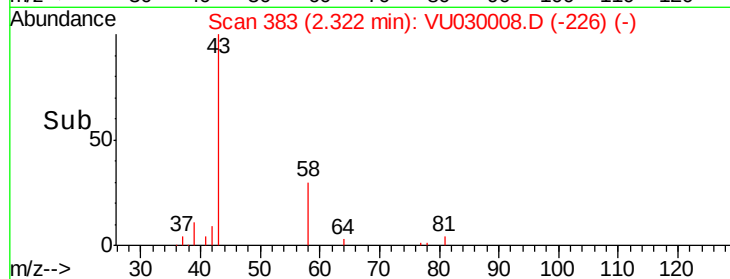
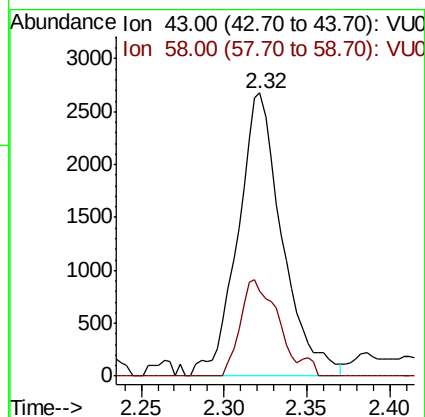
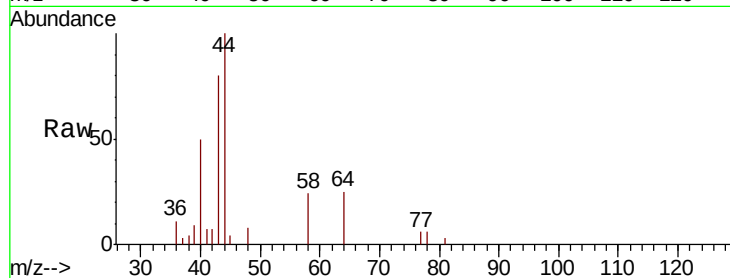
58 30.2 28.6 43.0

Manual Integrations

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MMDadoda

3/13/2019 12:56:16 PM



#14

Carbon Disulfide

Concen: 0.251 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU030008.D

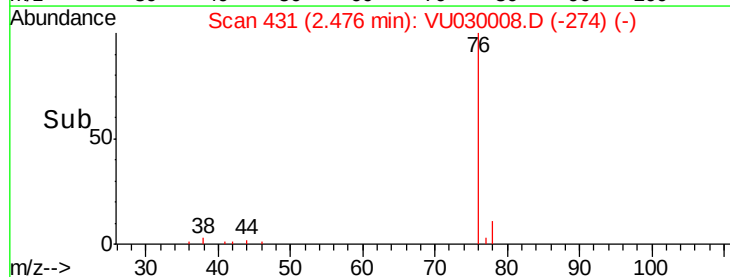
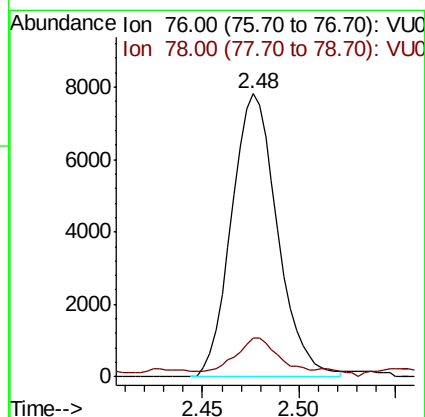
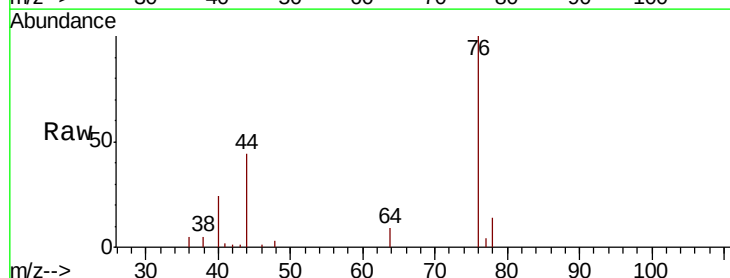
Acq: 12 Mar 2019 15:52

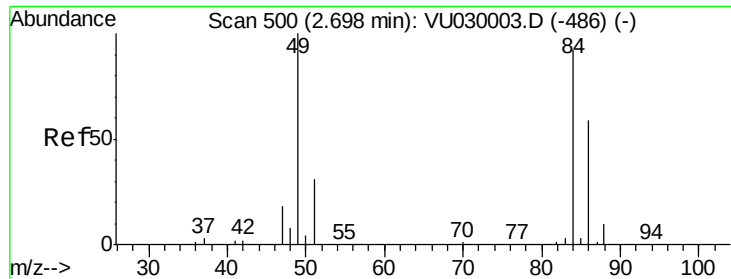
Tgt Ion: 76 Resp: 12897

Ion Ratio Lower Upper

76 100

78 11.6 7.4 11.2#





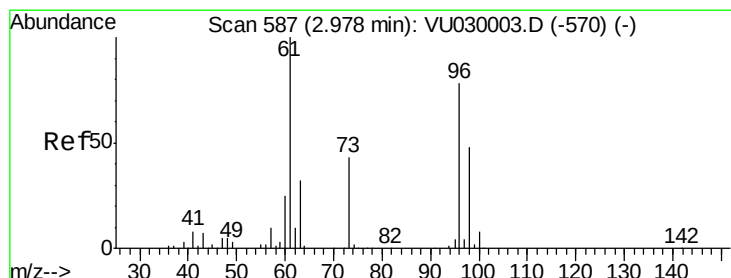
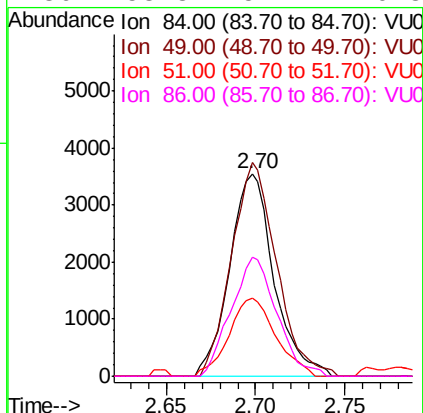
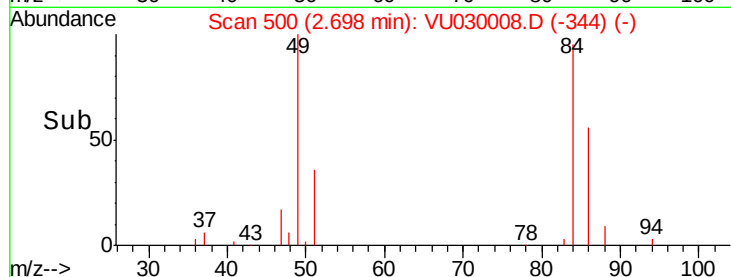
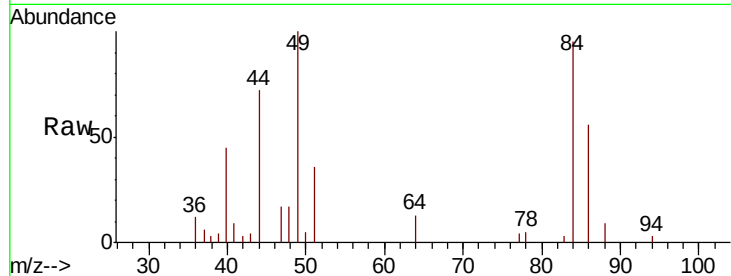
#15
Methylene Chloride
Concen: 0.351 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
84	100		
49	105.6	86.5	129.7
51	38.3	0.0	66.8
86	58.8	51.2	76.8

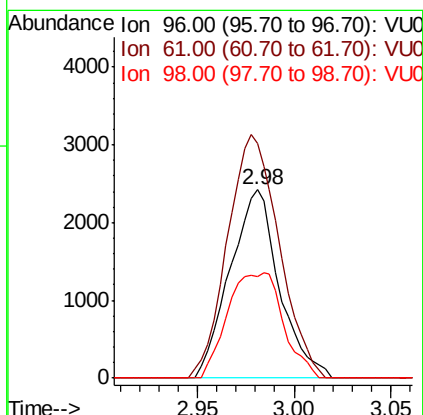
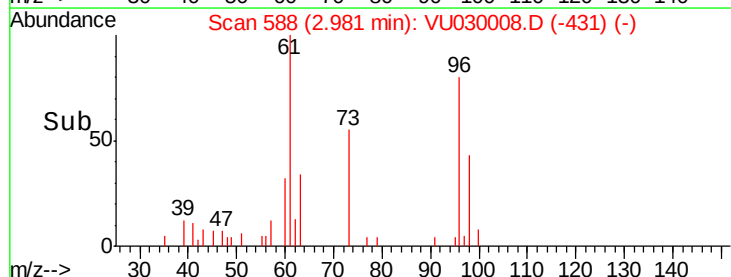
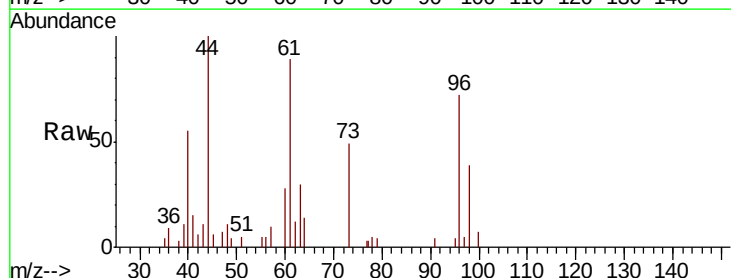
Manual Integrations
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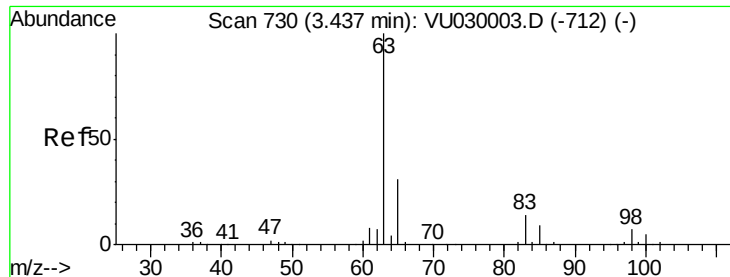
MMDadoda
3/13/2019 12:56:16 PM



#16
trans-1,2-Dichloroethene
Concen: 0.253 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.4	103.0	154.6
98	54.1	49.5	74.3





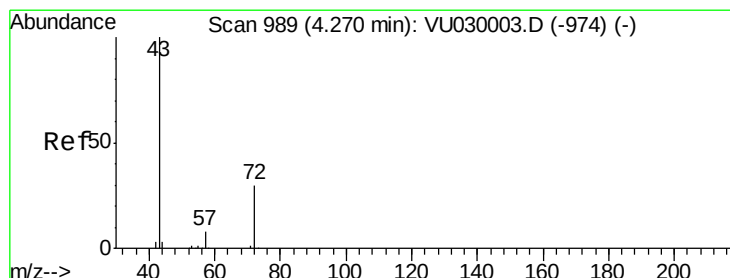
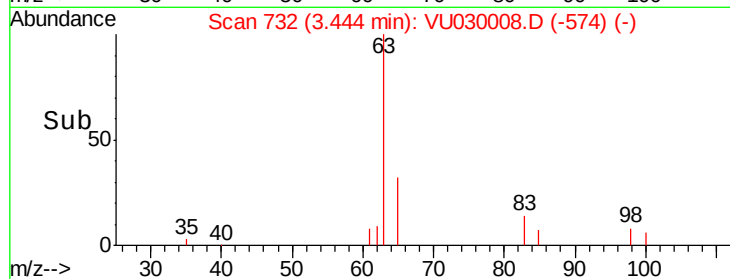
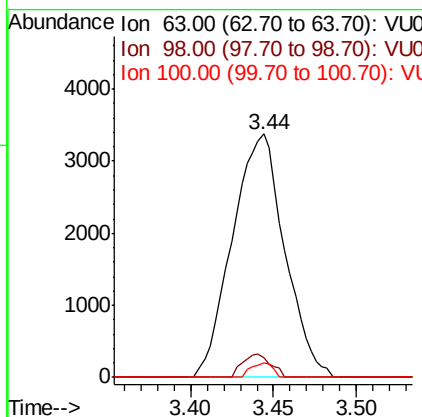
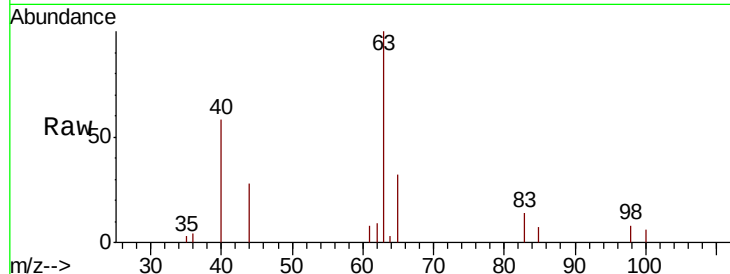
#17
 1,1-Dichloroethane
 Concen: 0.257 ug/l
 RT: 3.44 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.1	3.4	10.2
100	5.8	2.3	6.8

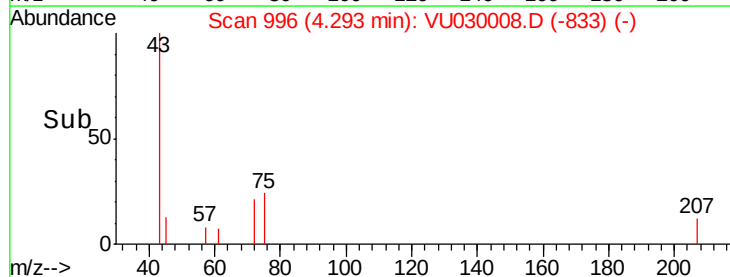
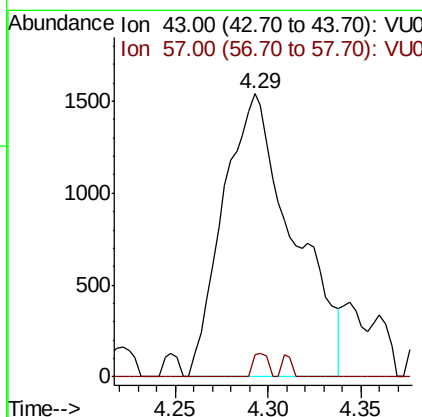
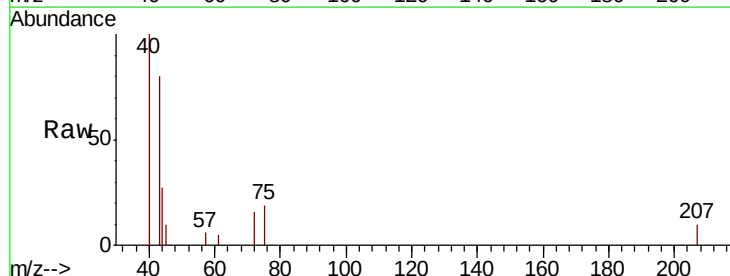
Manual Integrations
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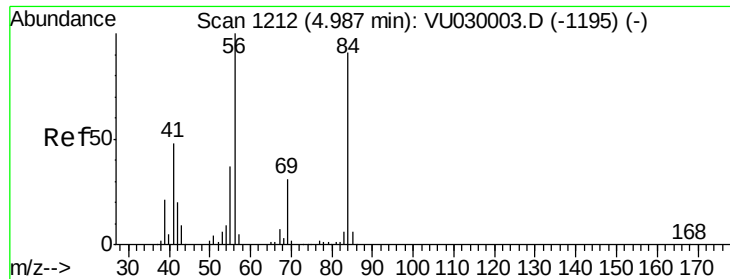
MMDadoda
 3/13/2019 12:56:16 PM



#18
 2-Butanone
 Concen: 1.052 ug/l
 RT: 4.29 min Scan# 996
 Delta R.T. 0.02 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	0.0	16.8





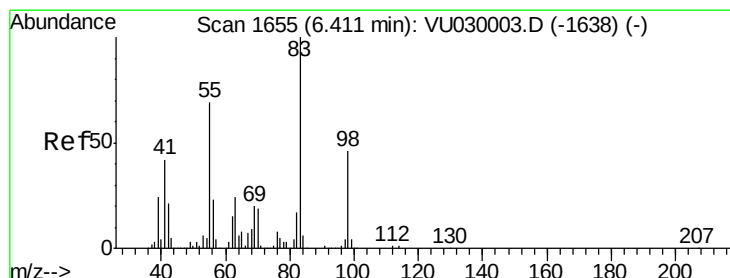
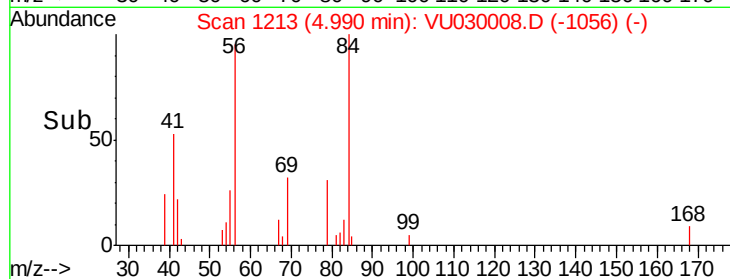
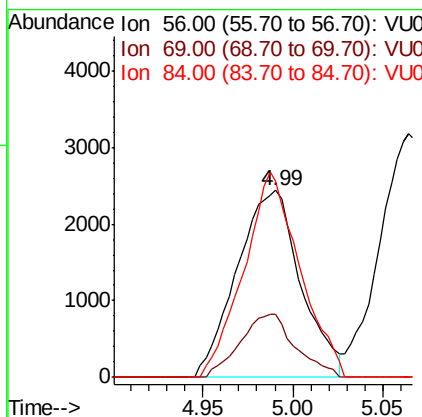
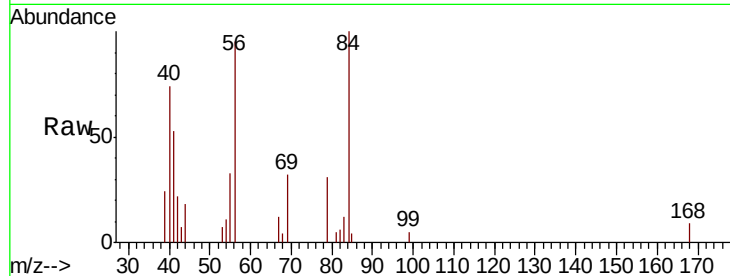
#19
Cyclohexane
Concen: 0.243 ug/l m
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.3	25.7	38.5
84	96.7	72.9	109.3

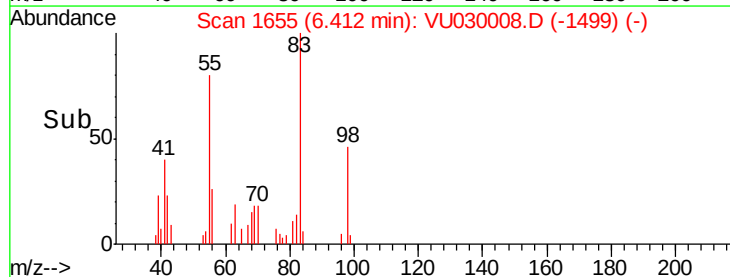
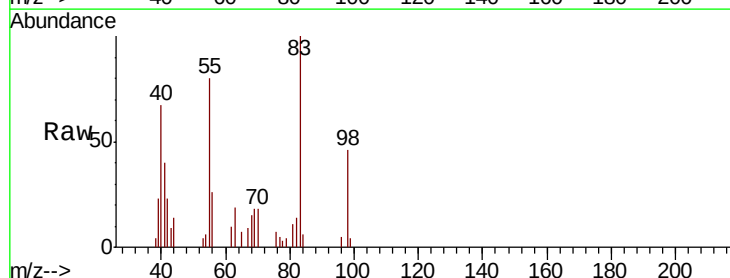
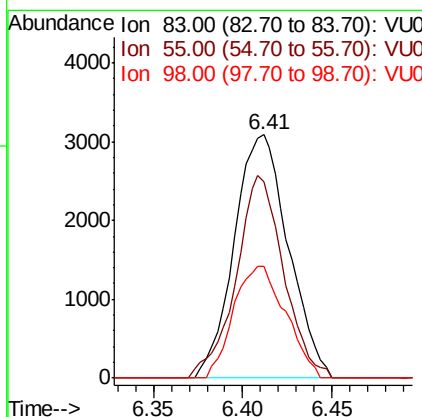
Manual Integrations
APPROVED

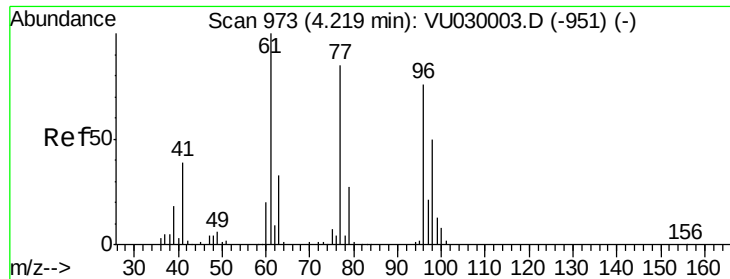
MMDadoda
3/13/2019 12:56:16 PM



#20
Methylcyclohexane
Concen: 0.240 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.0	55.6	83.4
98	44.1	37.4	56.0





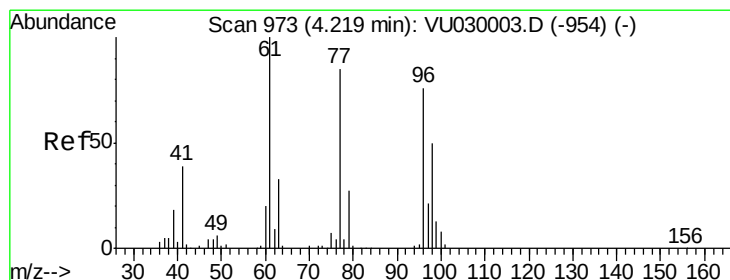
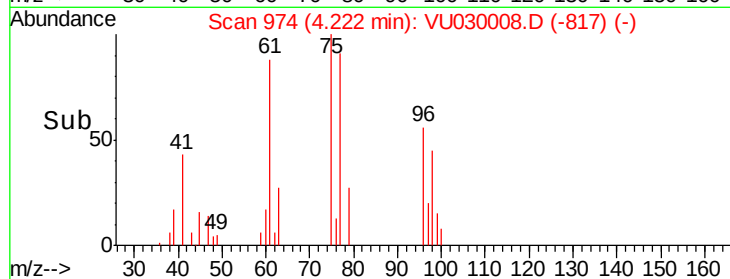
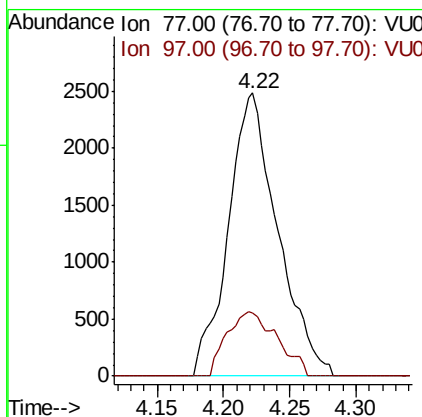
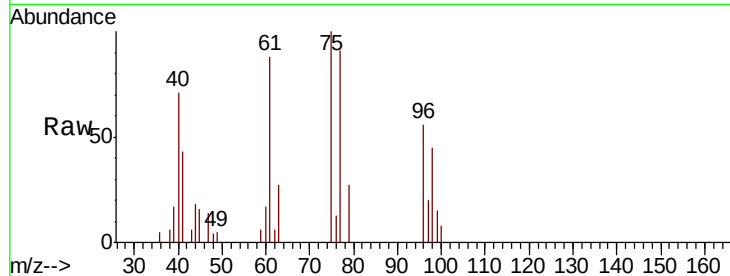
#21
 2,2-Dichloropropane
 Concen: 0.266 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 77 Resp: 6438
 Ion Ratio Lower Upper
 77 100
 97 23.1 20.2 30.4

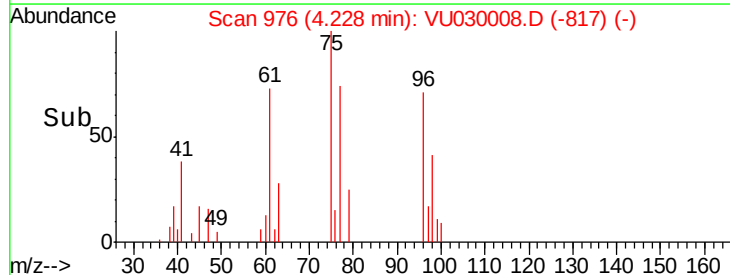
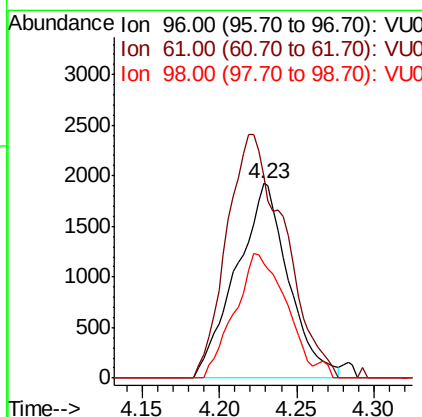
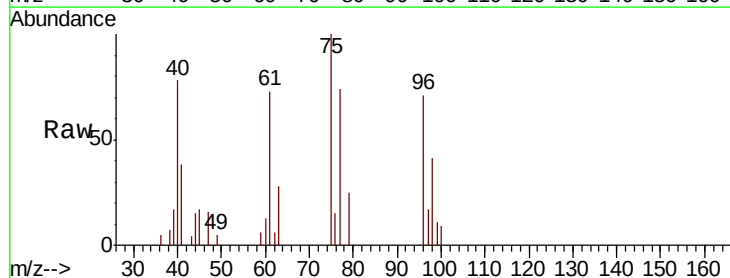
Manual Integrations
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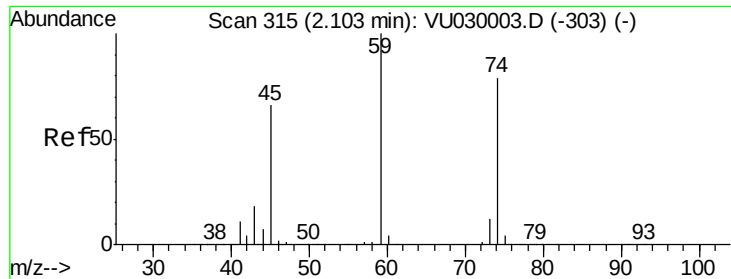
MMDadoda
 3/13/2019 12:56:16 PM



#22
 cis-1,2-Dichloroethene
 Concen: 0.240 ug/l
 RT: 4.23 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Tgt Ion: 96 Resp: 4549
 Ion Ratio Lower Upper
 96 100
 61 137.3 0.0 335.8
 98 61.8 32.6 97.7





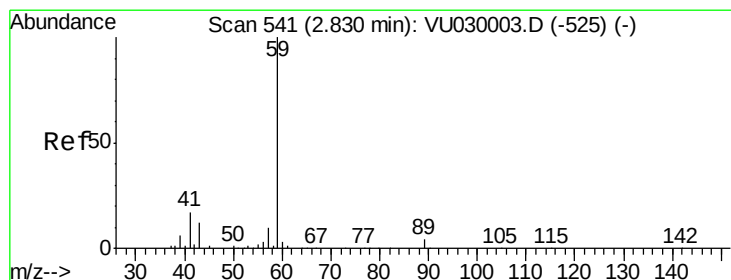
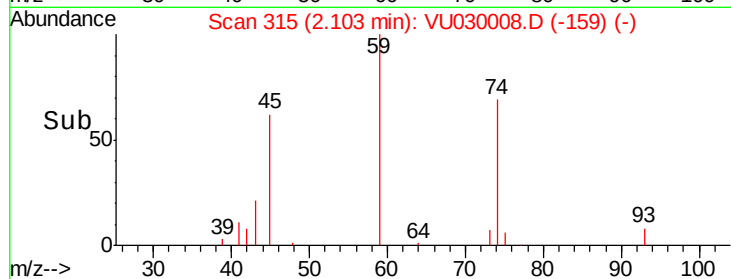
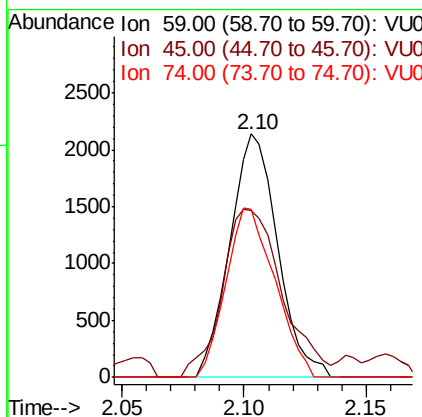
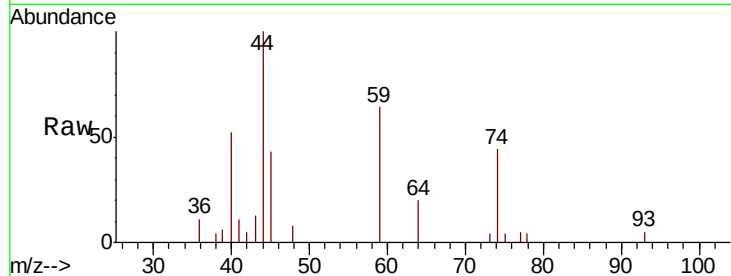
#23
Diethyl Ether
Concen: 0.265 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
59	100		
45	86.3	52.3	78.5#
74	71.5	61.1	91.7

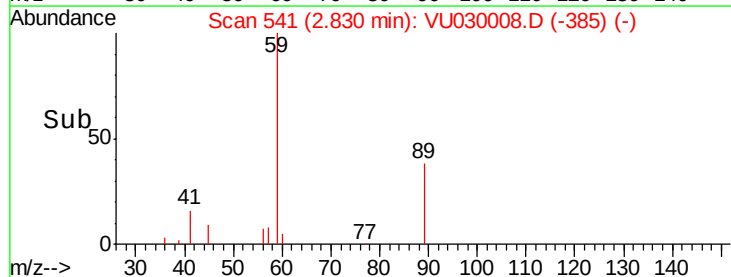
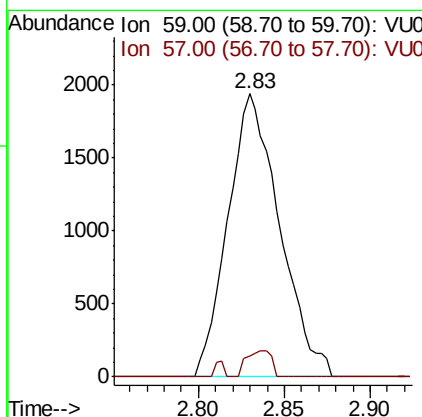
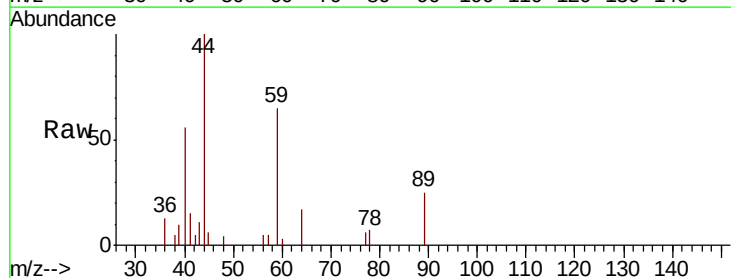
Manual Integrations
APPROVED

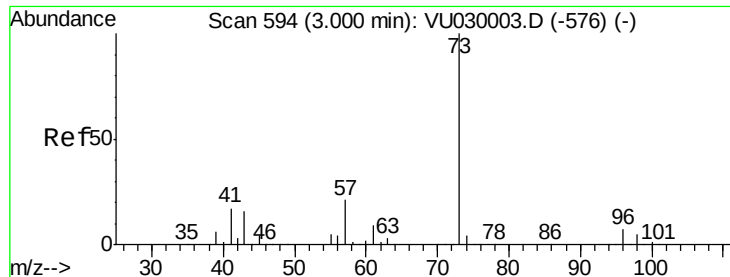
MMDadoda
3/13/2019 12:56:16 PM



#24
tert-Butyl Alcohol
Concen: 3.442 ug/l
RT: 2.83 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Tgt Ion	Ratio	Lower	Upper
59	100		
57	4.4	7.7	11.5#





#25

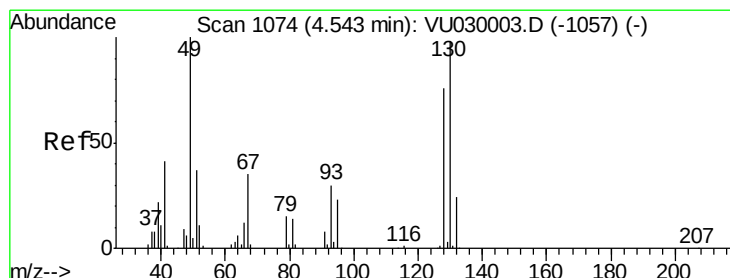
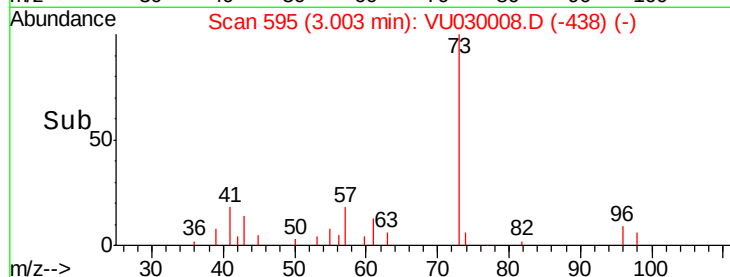
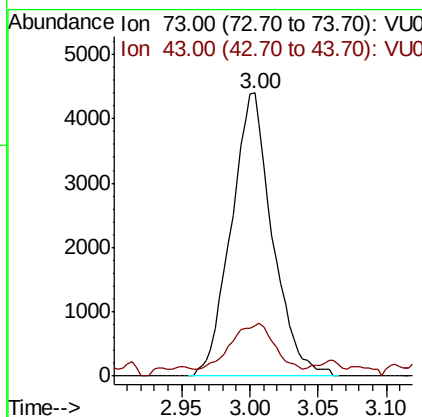
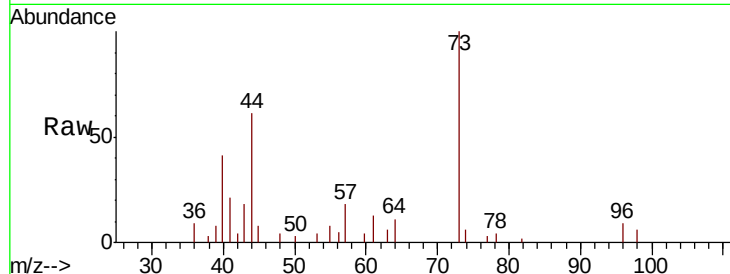
Methyl tert-Butyl Ether
Concen: 0.247 ug/l
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 73 Resp: 9203
Ion Ratio Lower Upper
73 100
43 16.7 13.1 19.7

Manual Integrations
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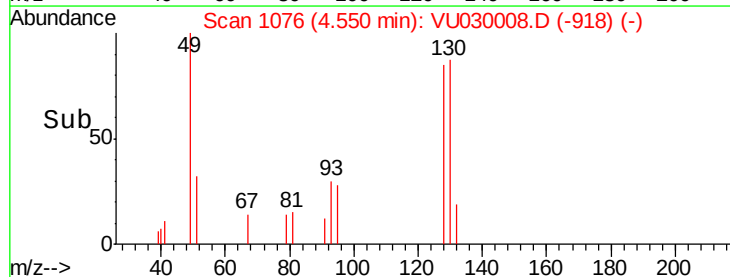
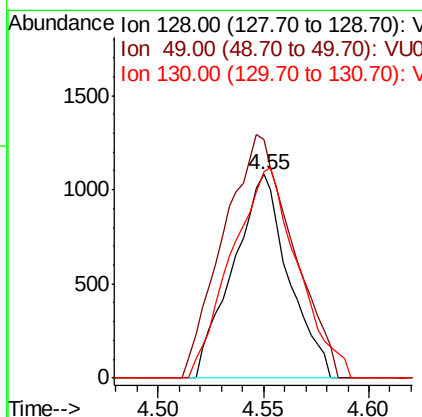
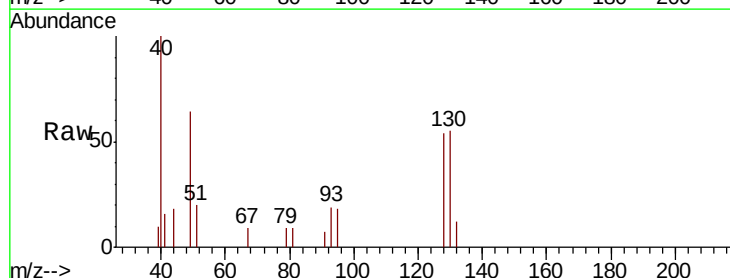
MMDadoda
3/13/2019 12:56:16 PM

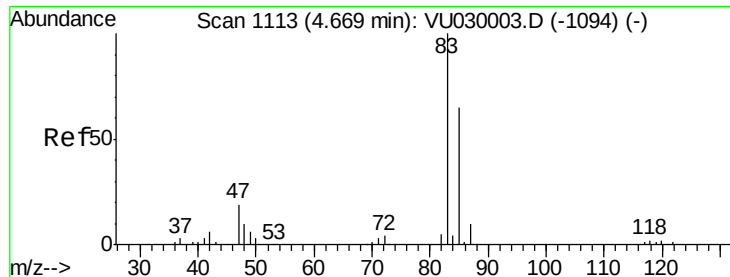


#26

Bromochloromethane
Concen: 0.239 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Tgt Ion: 128 Resp: 1980
Ion Ratio Lower Upper
128 100
49 148.9 0.0 270.4
130 123.2 102.6 153.8





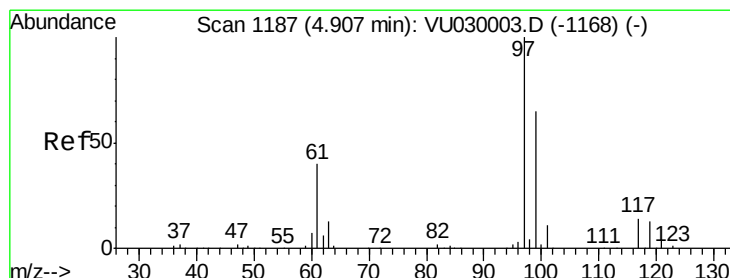
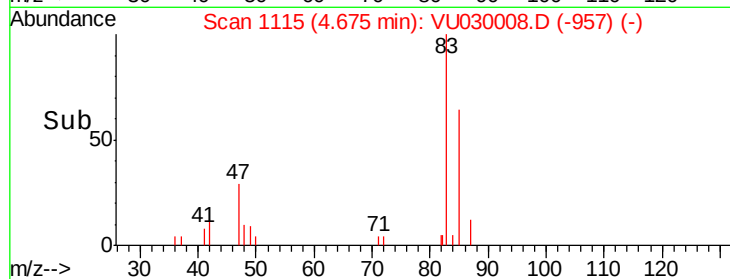
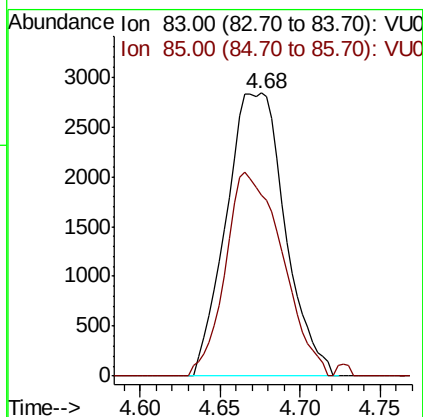
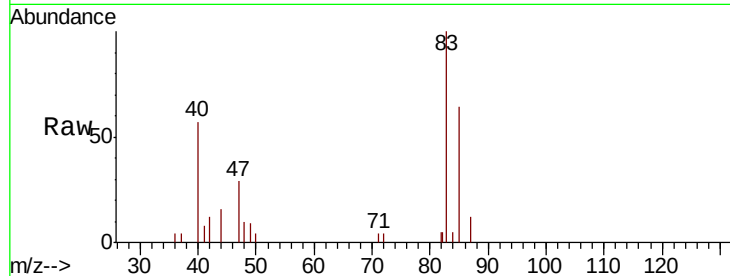
#27
Chloroform
Concen: 0.236 ug/l
RT: 4.68 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 83 Resp: 7145
Ion Ratio Lower Upper
83 100
85 63.7 0.0 129.0

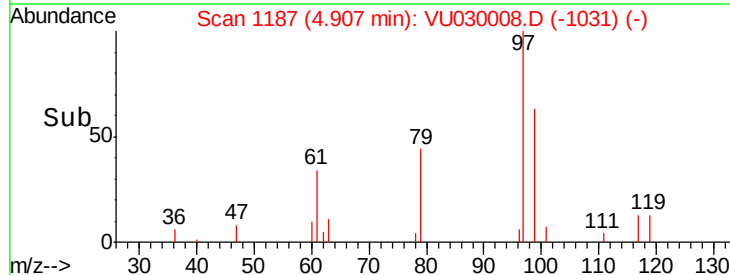
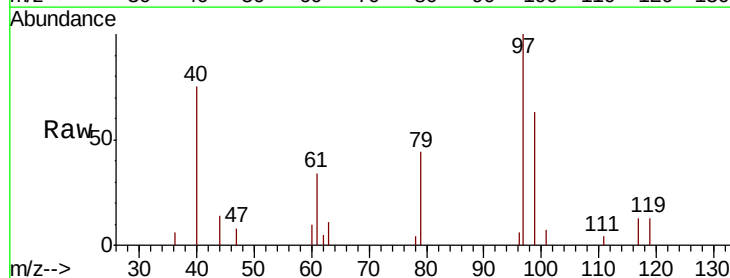
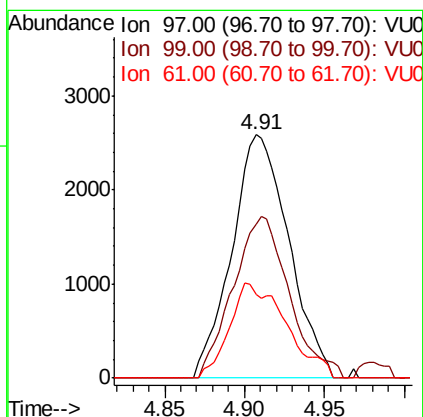
Manual Integrations
APPROVED

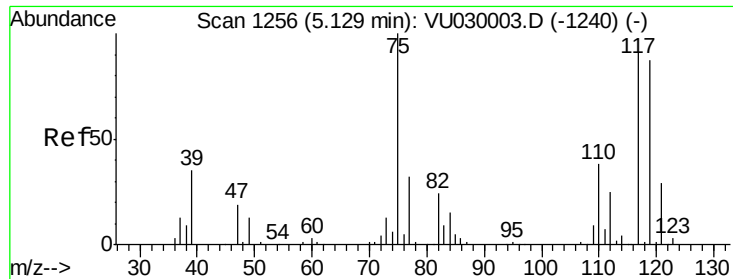
MMDadoda
3/13/2019 12:56:16 PM



#28
1,1,1-Trichloroethane
Concen: 0.253 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Tgt Ion: 97 Resp: 6302
Ion Ratio Lower Upper
97 100
99 65.6 32.4 97.0
61 38.9 20.4 61.2





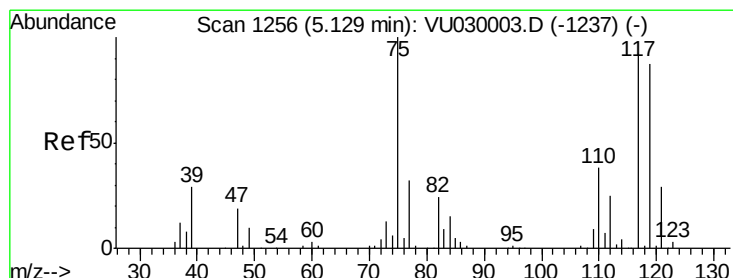
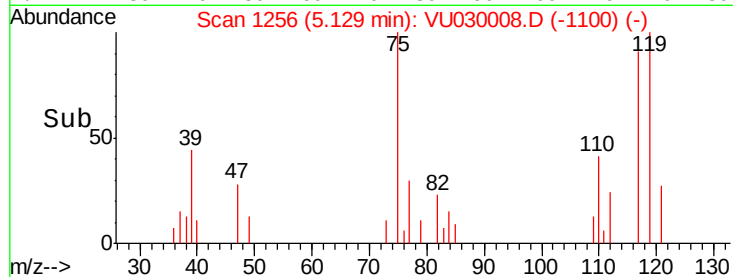
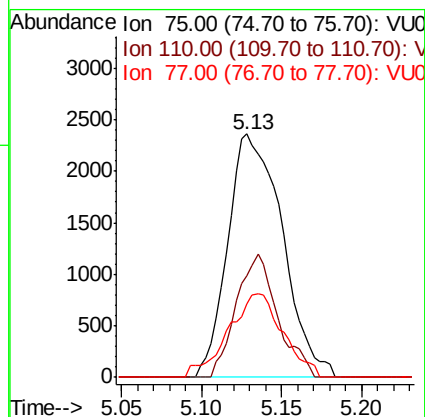
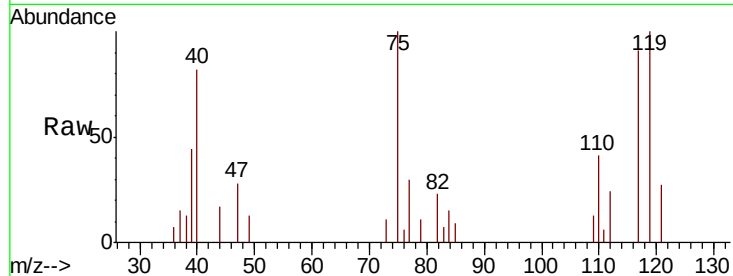
#29
1,1-Dichloropropene
Concen: 0.243 ug/l
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.1	57.3
77	34.3	25.2	37.8

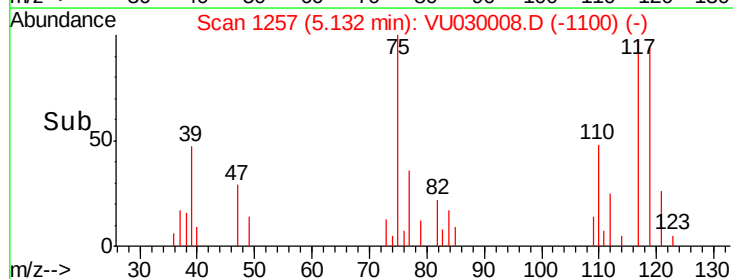
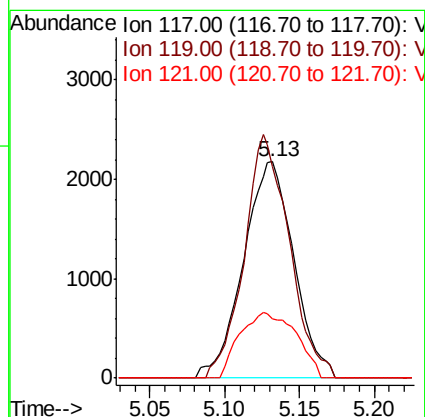
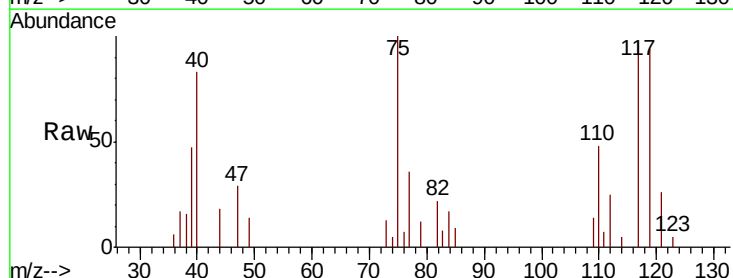
Manual Integrations
APPROVED

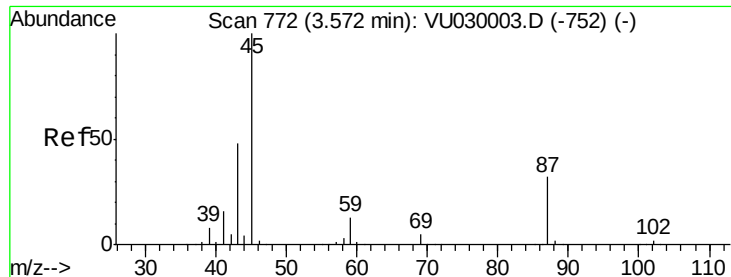
MMDadoda
3/13/2019 12:56:16 PM



#30
Carbon Tetrachloride
Concen: 0.229 ug/l
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.3	114.5
121	27.3	25.1	37.7





#31

Isopropyl Ether

Concen: 0.260 ug/l

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 45 Resp: 10542

Ion Ratio Lower Upper

45 100

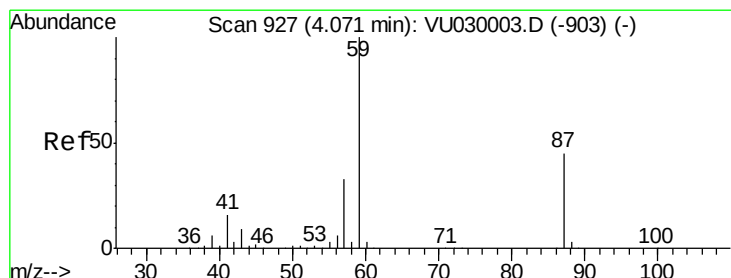
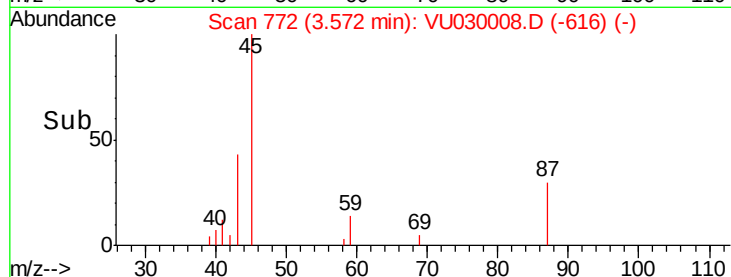
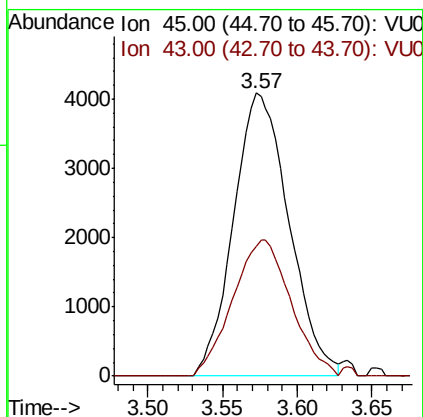
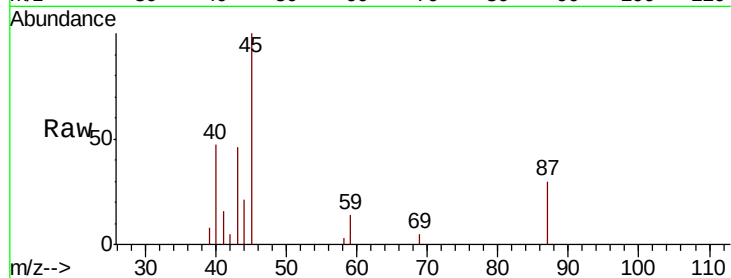
43 50.5 24.5 73.5

Manual Integrations

APPROVED

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#32

Ethyl-t-butyl ether

Concen: 0.246 ug/l

RT: 4.08 min Scan# 929

Delta R.T. 0.01 min

Lab File: VU030008.D

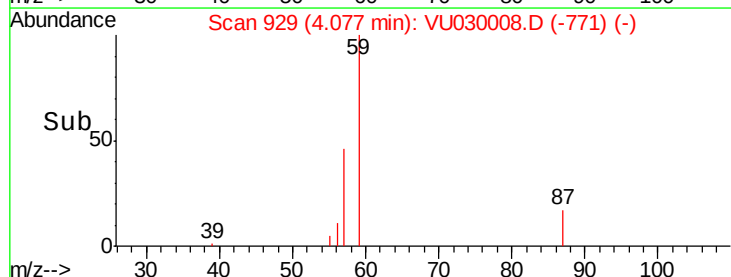
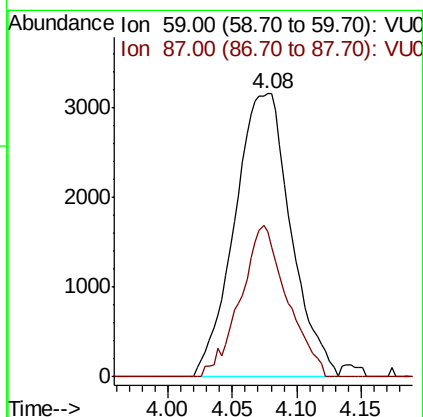
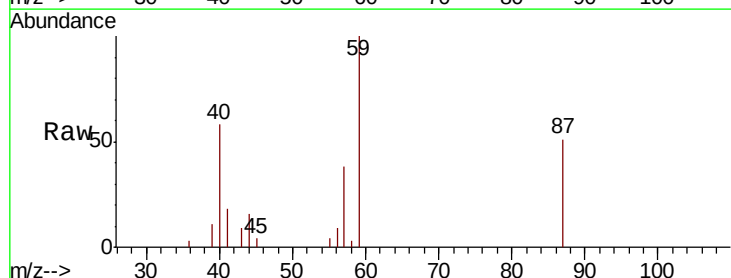
Acq: 12 Mar 2019 15:52

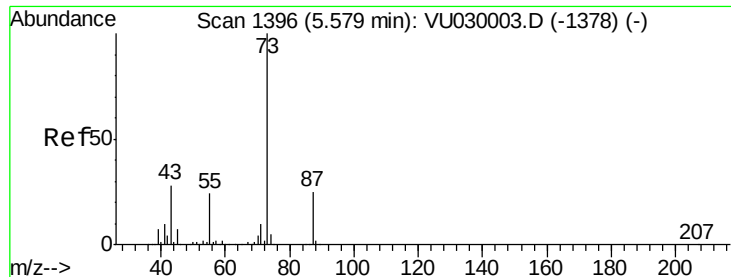
Tgt Ion: 59 Resp: 9612

Ion Ratio Lower Upper

59 100

87 44.4 36.2 54.4





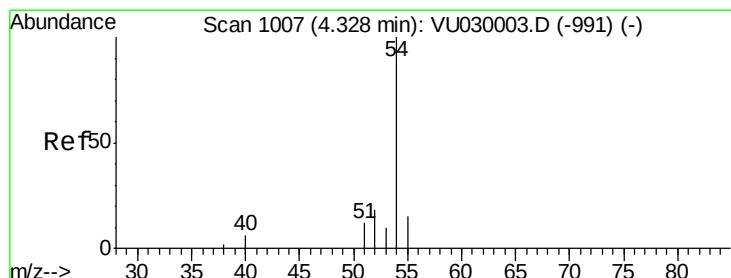
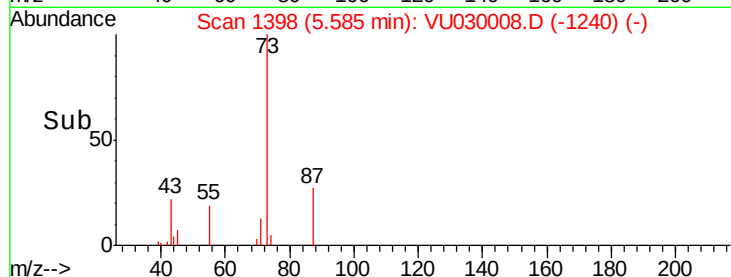
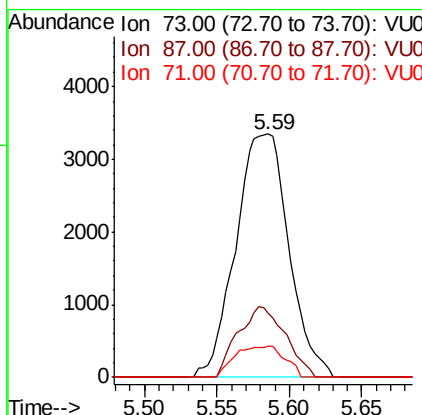
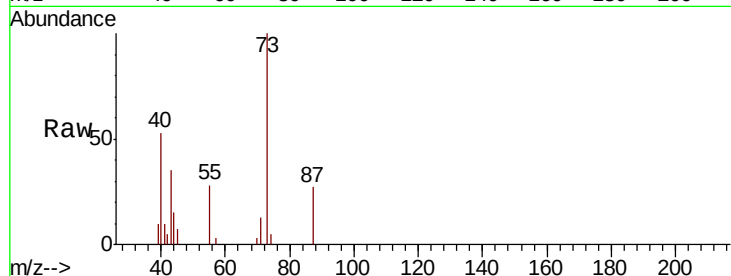
#33
Tert-Amyl methyl ether
Concen: 0.239 ug/l
RT: 5.59 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
73	100		
87	25.8	19.7	29.5
71	12.0	8.6	13.0

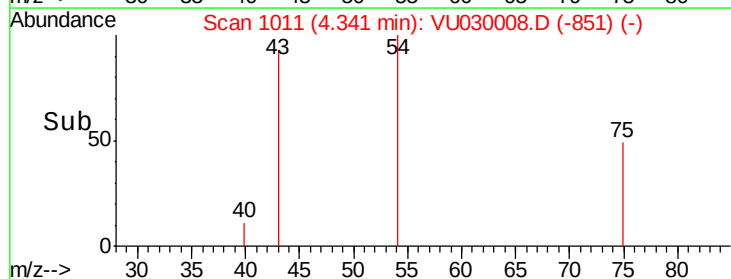
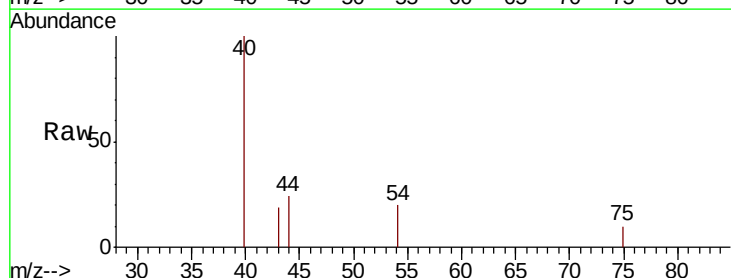
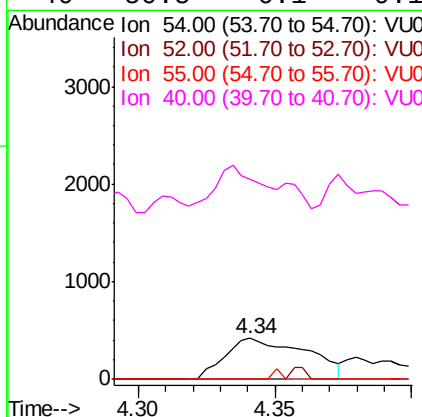
Manual Integrations
APPROVED

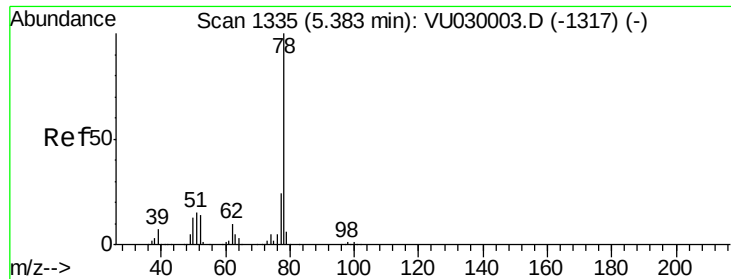
MMDadoda
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#34
Propionitrile
Concen: 0.803 ug/l
RT: 4.34 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Tgt Ion	Ratio	Lower	Upper
54	100		
52	0.0	15.8	23.6#
55	0.0	12.5	18.7#
40	50.5	6.1	9.1#





#35

Benzene

Concen: 0.249 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 78 Resp: 16489

Ion Ratio Lower Upper

78 100

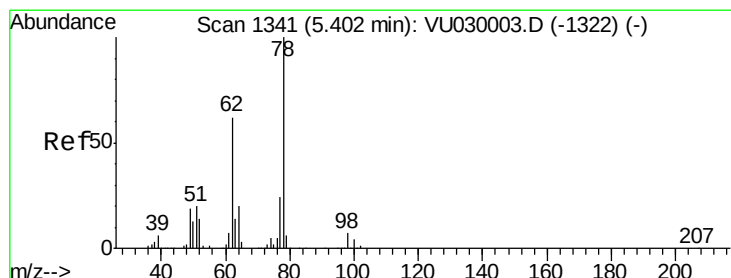
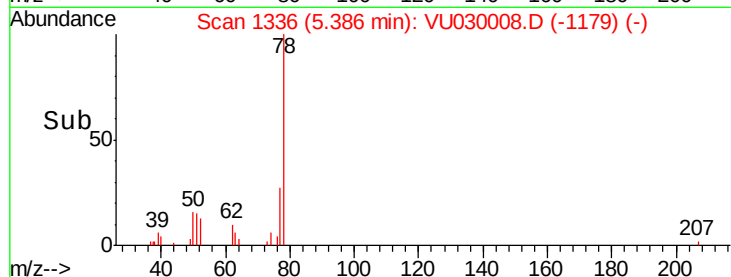
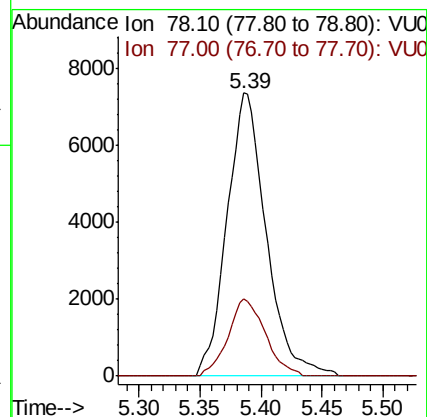
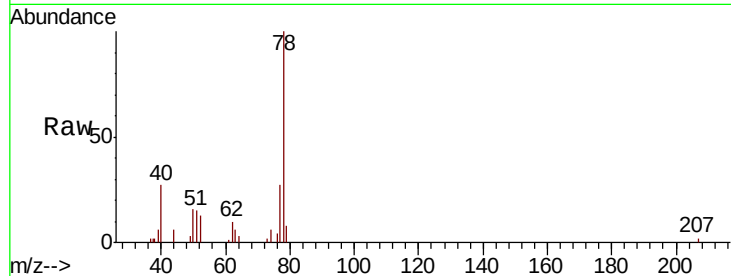
77 27.1 18.9 28.3

Manual Integrations

APPROVED

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#36

1,2-Dichloroethane

Concen: 0.252 ug/l

RT: 5.41 min Scan# 1344

Delta R.T. 0.01 min

Lab File: VU030008.D

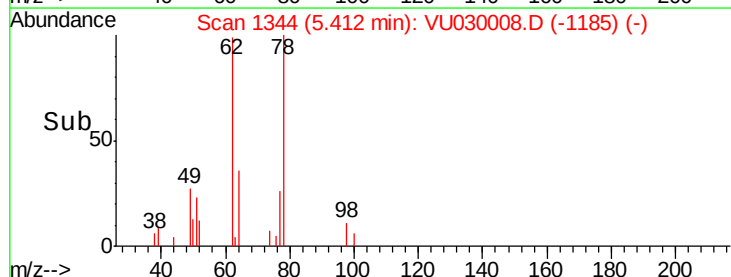
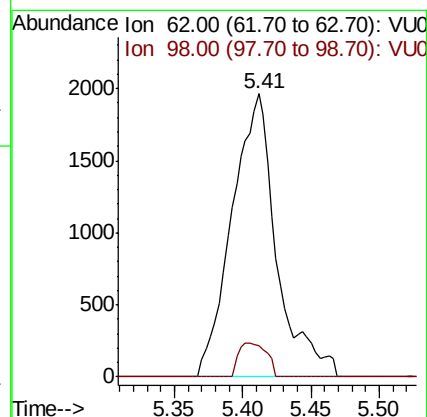
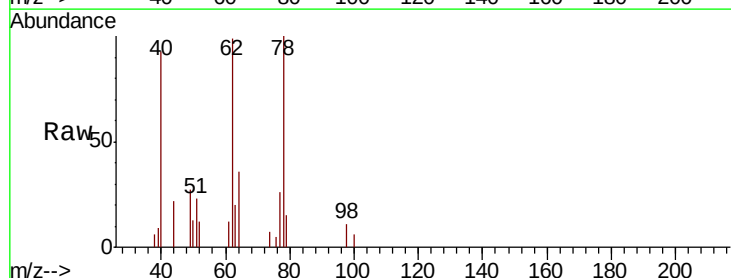
Acq: 12 Mar 2019 15:52

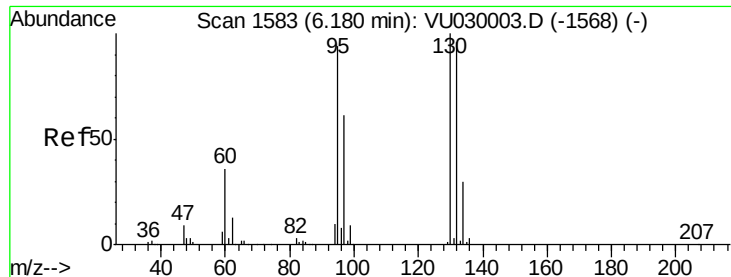
Tgt Ion: 62 Resp: 4463

Ion Ratio Lower Upper

62 100

98 7.6 8.4 12.6#





#37

Trichloroethene

Concen: 0.264 ug/l

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion:130 Resp: 5040

Ion Ratio Lower Upper

130 100

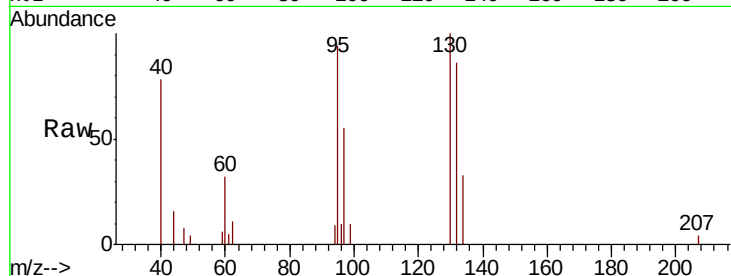
95 94.0 75.2 112.8

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

3000

2500

2000

1500

1000

500

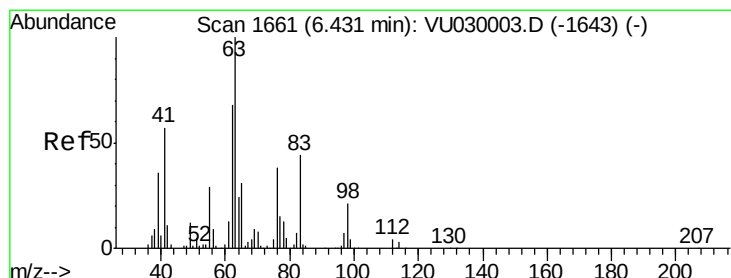
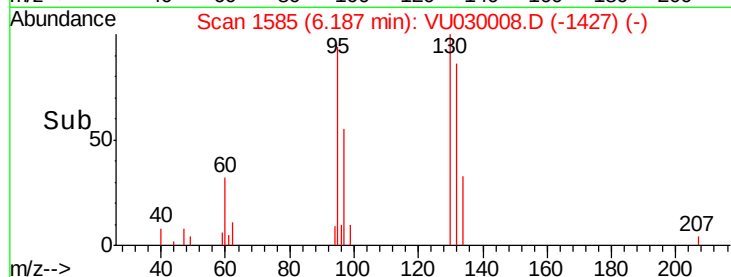
0

6.15

6.20

6.25

Time-->



#38

1,2-Dichloropropane

Concen: 0.261 ug/l

RT: 6.44 min Scan# 1663

Delta R.T. 0.01 min

Lab File: VU030008.D

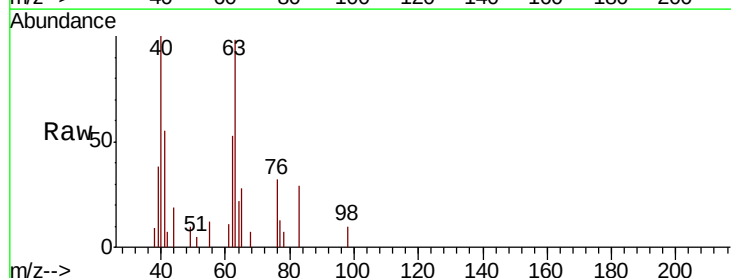
Acq: 12 Mar 2019 15:52

Tgt Ion: 63 Resp: 4399

Ion Ratio Lower Upper

63 100

65 28.7 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

2500

2000

1500

1000

500

0

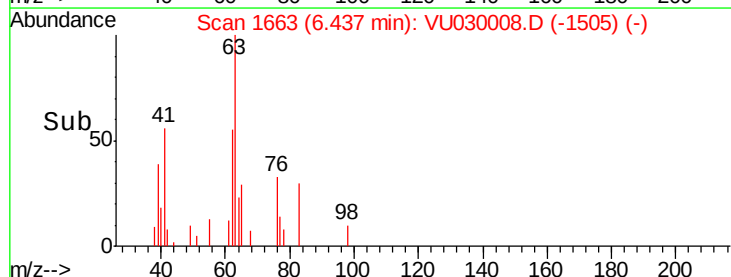
6.35

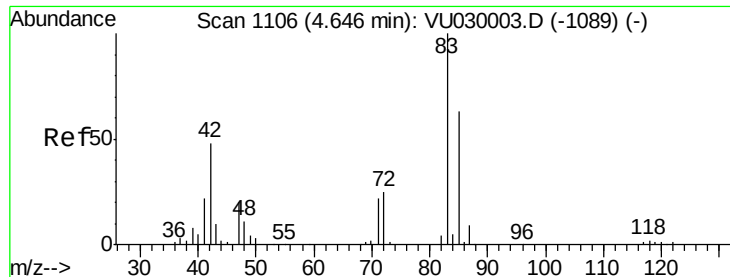
6.40

6.45

6.50

Time-->





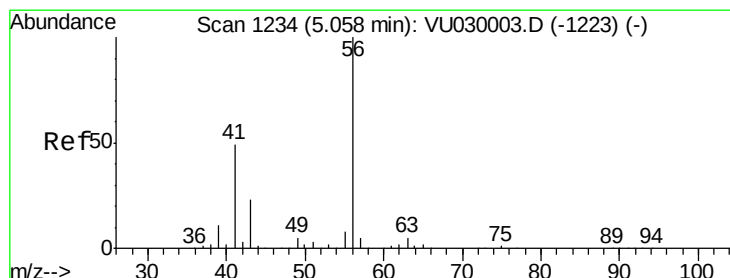
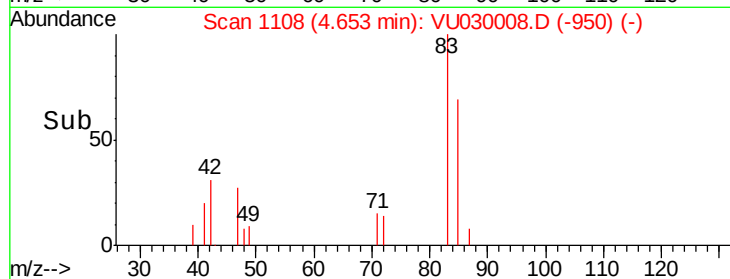
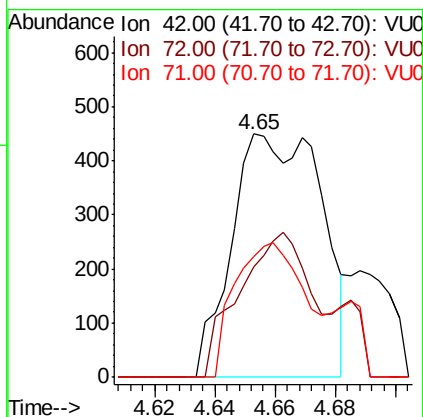
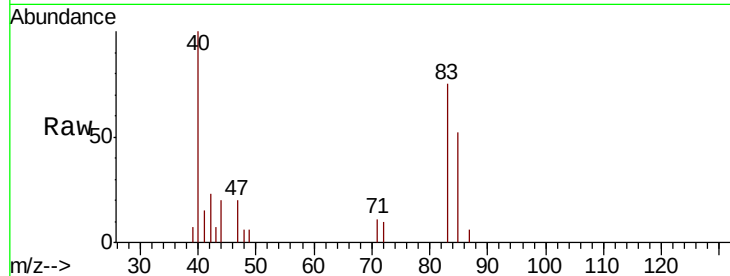
#41
Tetrahydrofuran
Concen: 0.358 ug/l m
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 42 Resp: 926
Ion Ratio Lower Upper
42 100
72 48.4 44.9 67.3
71 42.8 37.8 56.8

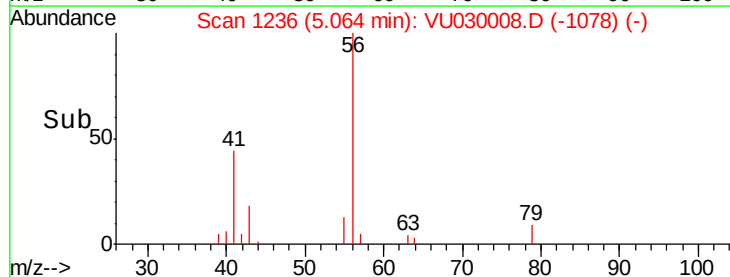
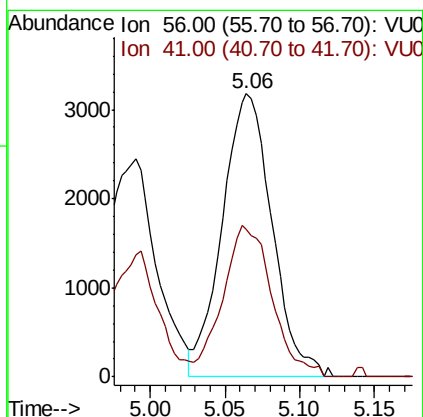
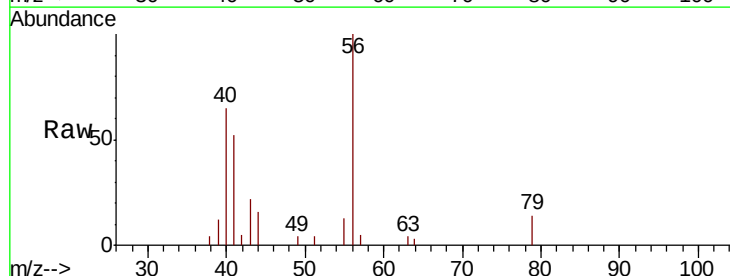
Manual Integrations
APPROVED

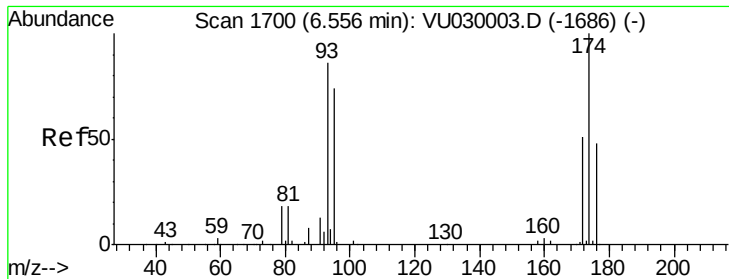
MMDadoda
3/13/2019 12:56:16 PM



#42
1-Chlorobutane
Concen: 0.248 ug/l
RT: 5.06 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Tgt Ion: 56 Resp: 7368
Ion Ratio Lower Upper
56 100
41 52.8 24.7 74.1





#43

Dibromomethane

Concen: 0.261 ug/l

RT: 6.56 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

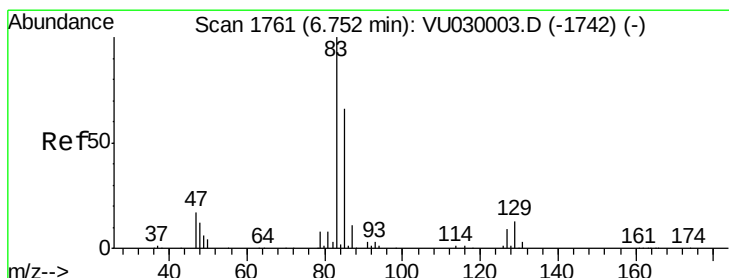
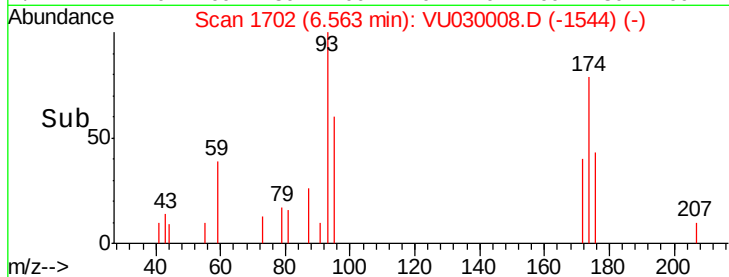
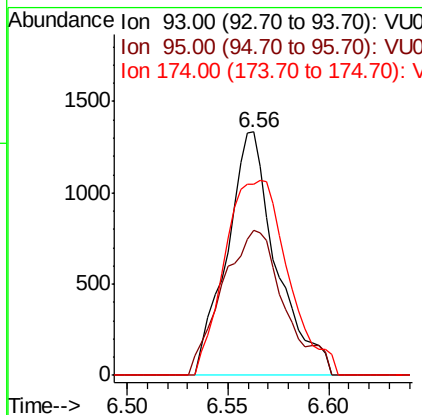
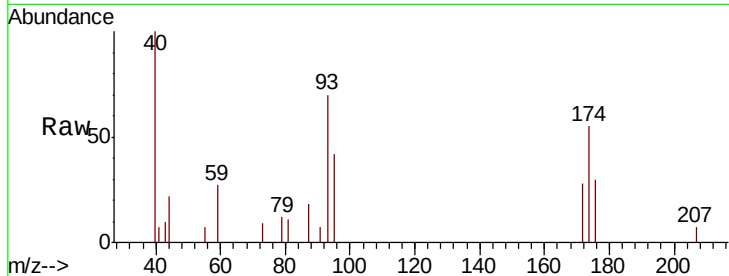
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion:	93	Resp:	2275
Ion	Ratio	Lower	Upper
93	100		
95	74.9	68.6	102.8
174	103.2	91.8	137.8

Manual Integrations
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#44

Bromodichloromethane

Concen: 0.230 ug/l

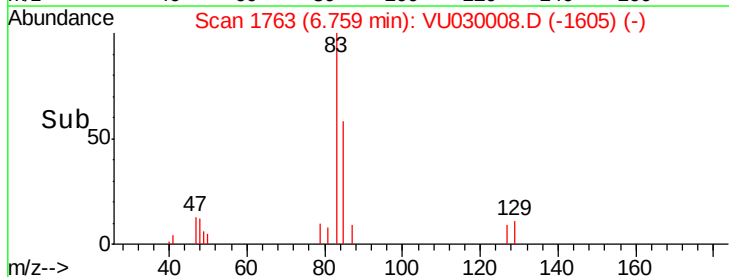
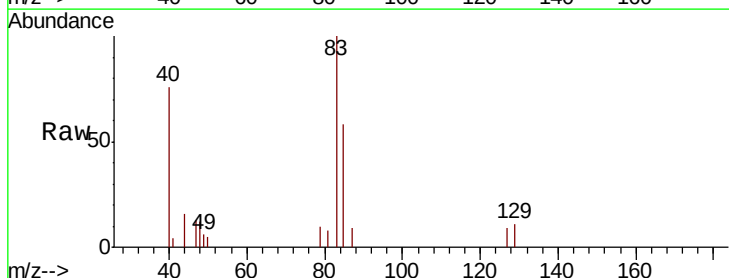
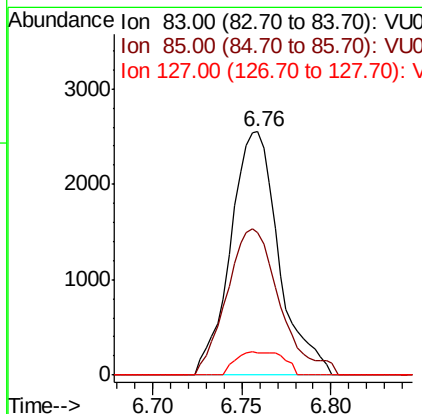
RT: 6.76 min Scan# 1763

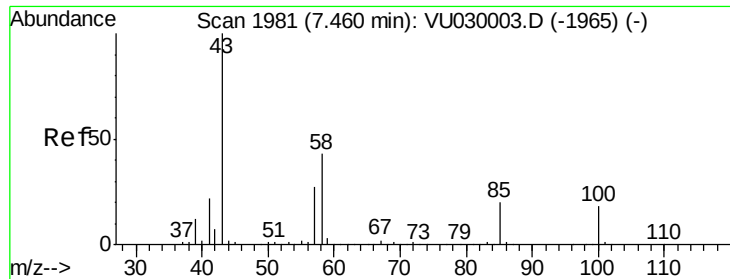
Delta R.T. 0.01 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Tgt Ion:	83	Resp:	4788
Ion	Ratio	Lower	Upper
83	100		
85	58.4	53.2	79.8
127	9.2	7.4	11.0





#45

4-Methyl-2-Pentanone

Concen: 1.208 ug/l

RT: 7.47 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

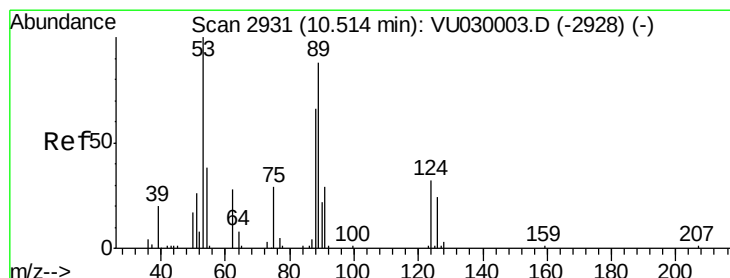
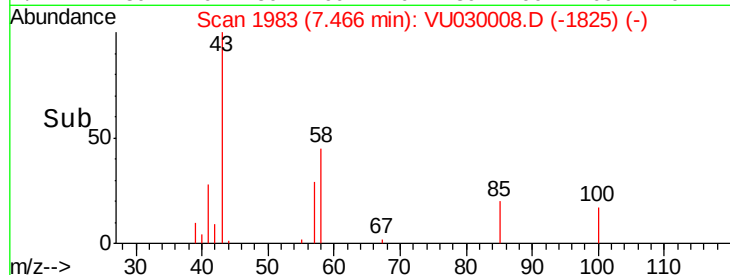
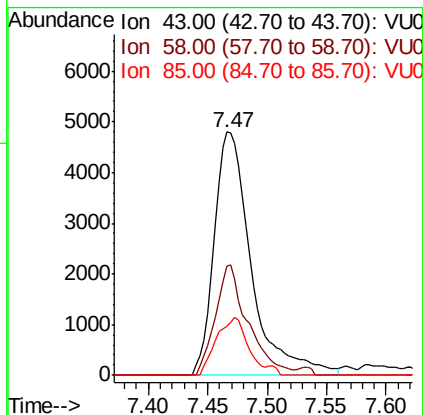
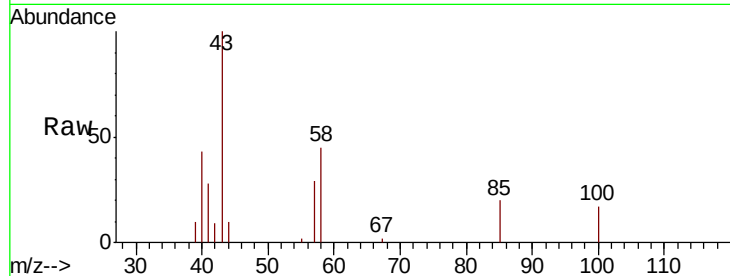
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion:	43	Resp:	10410
Ion	Ratio	Lower	Upper
43	100		
58	39.9	21.6	64.6
85	20.8	16.3	24.5

Manual Integrations
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3/13/2019 12:56:16 PM



#46

t-1,4-Dichloro-2-butene

Concen: 1.662 ug/l m

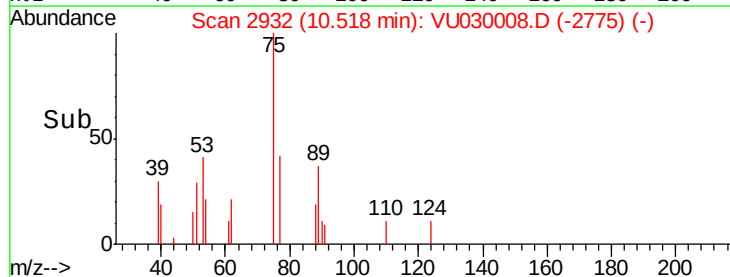
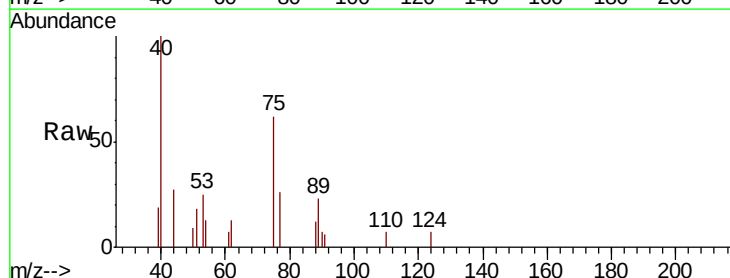
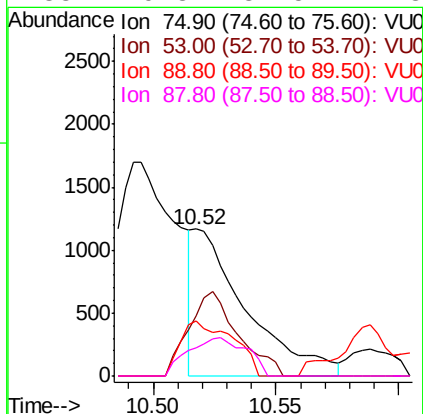
RT: 10.52 min Scan# 2932

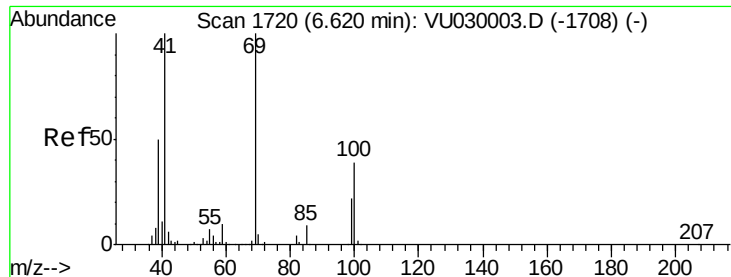
Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Tgt Ion:	75	Resp:	1732
Ion	Ratio	Lower	Upper
75	100		
53	53.9	57.0	85.6#
89	37.5	43.6	65.4#
88	29.3	31.5	47.3#





#47

Methyl methacrylate

Concen: 0.389 ug/l

RT: 6.64 min Scan# 1725

Delta R.T. 0.02 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

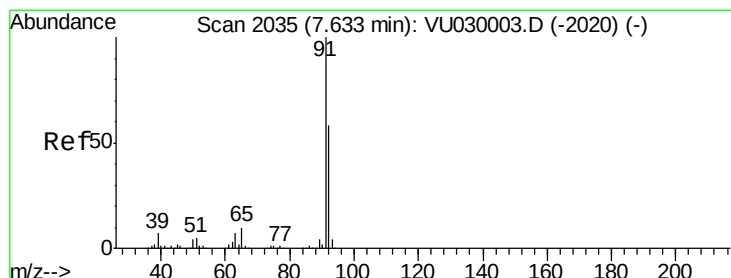
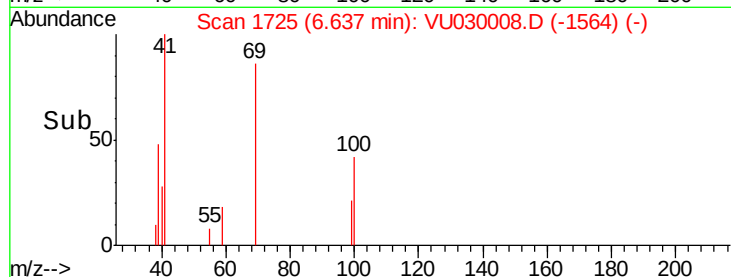
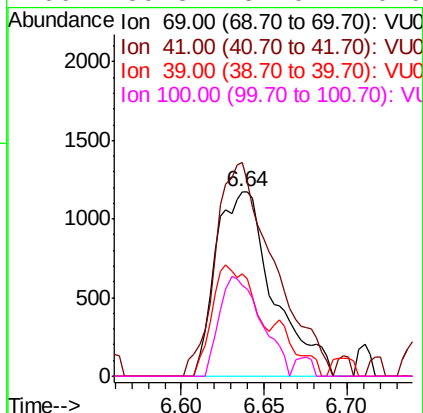
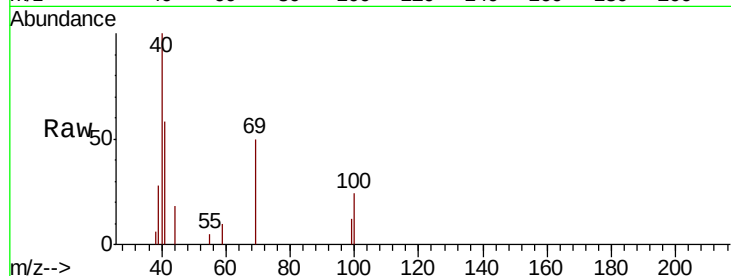
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	117.6	0.0	197.8	
39	45.0	40.2	60.4	
100	39.3	31.0	46.6	

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#49

Toluene

Concen: 0.235 ug/l

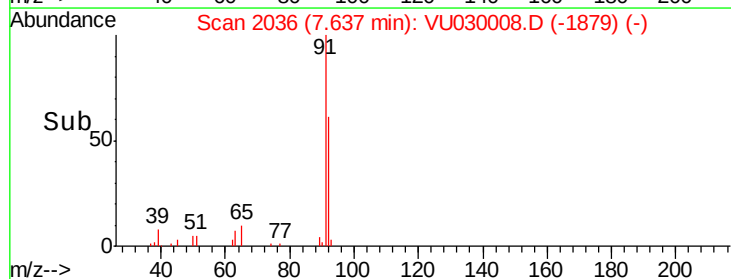
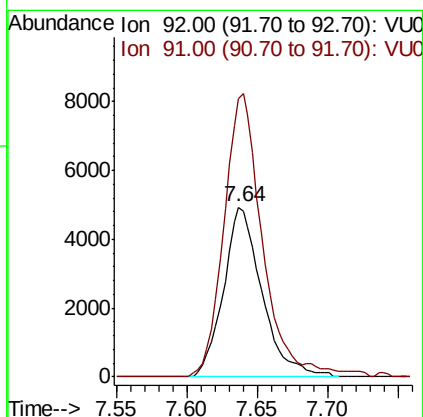
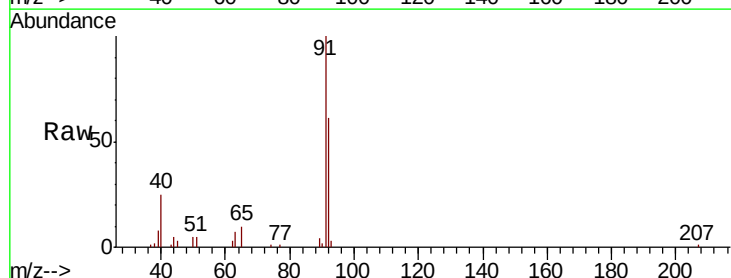
RT: 7.64 min Scan# 2036

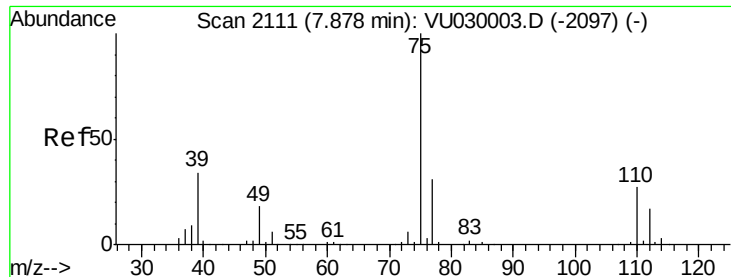
Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Tgt Ion	Ion	Ratio	Lower	Upper
92	100			
91	166.4	140.1	210.1	





#50

t-1,3-Dichloropropene

Concen: 0.224 ug/l

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 75 Resp: 4166

Ion Ratio Lower Upper

75 100

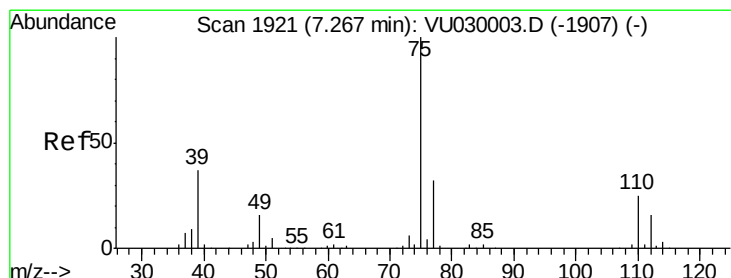
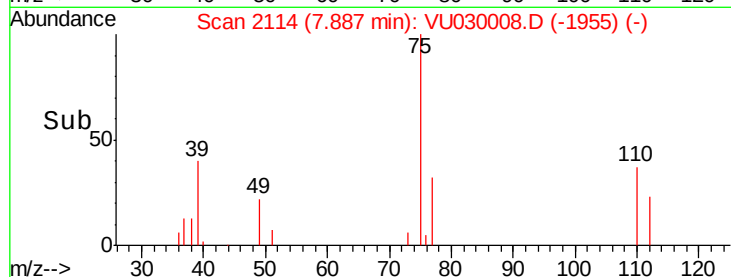
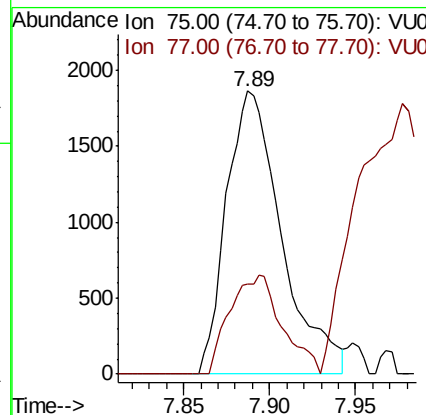
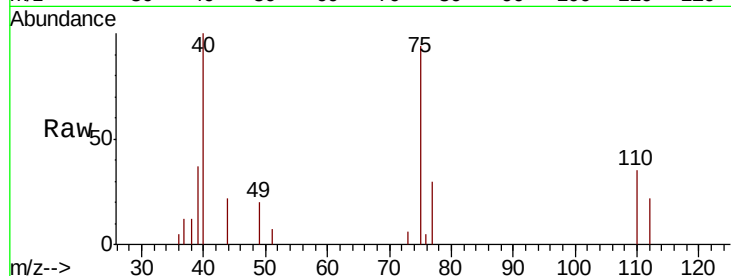
77 31.7 25.1 37.7

Manual Integrations

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#51

cis-1,3-Dichloropropene

Concen: 0.223 ug/l

RT: 7.28 min Scan# 1924

Delta R.T. 0.01 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

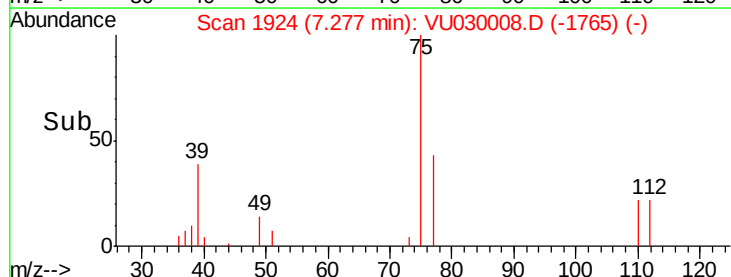
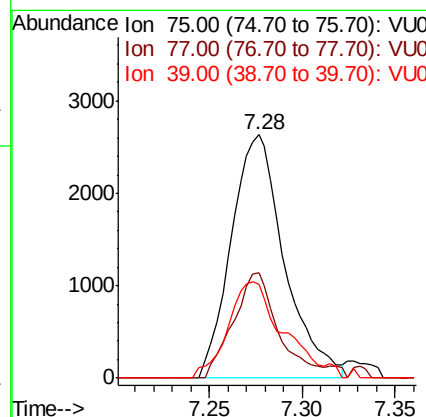
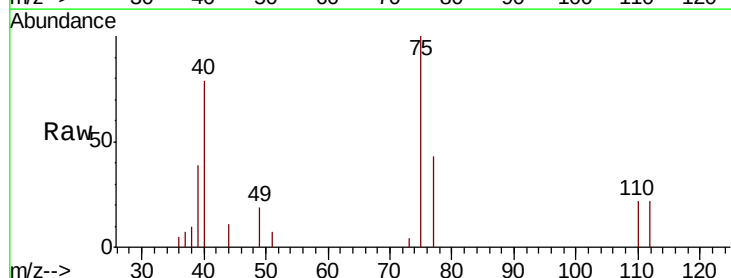
Tgt Ion: 75 Resp: 5233

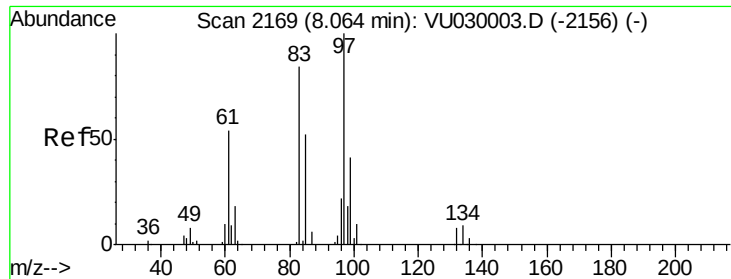
Ion Ratio Lower Upper

75 100

77 43.4 26.0 39.0#

39 38.6 29.5 44.3





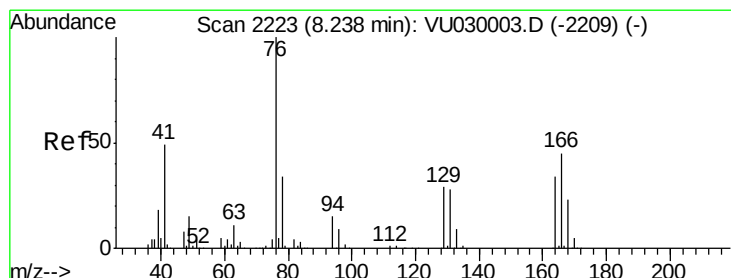
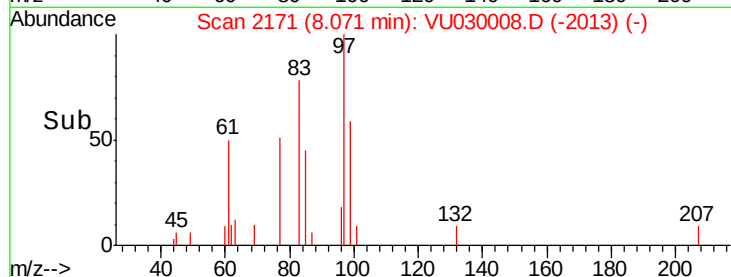
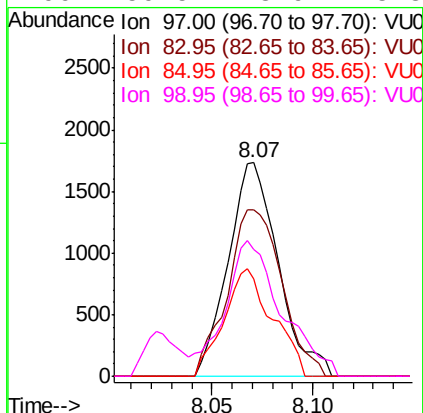
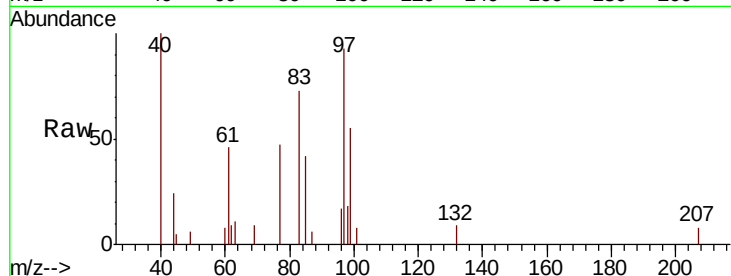
#52
 1,1,2-Trichloroethane
 Concen: 0.244 ug/l
 RT: 8.07 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.0	67.4	101.0
85	45.3	42.6	64.0
99	59.5	48.9	73.3

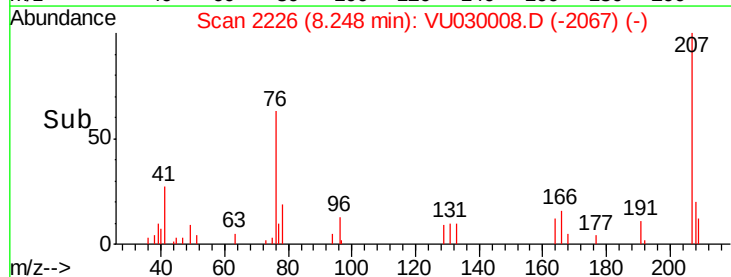
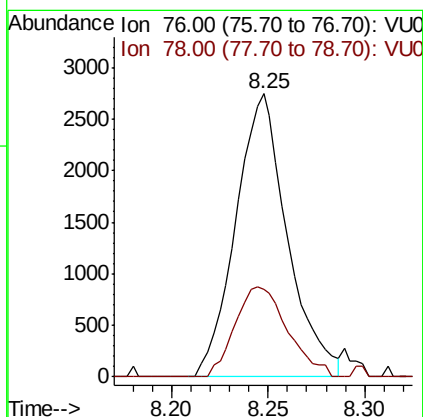
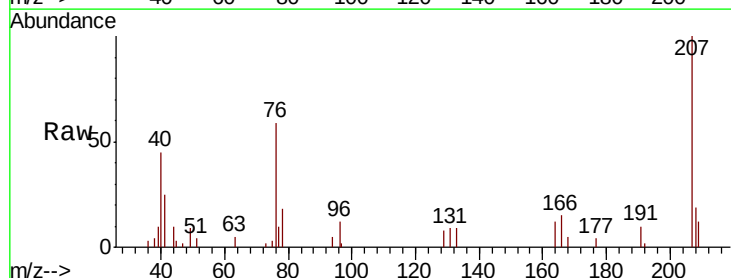
Manual Integrations
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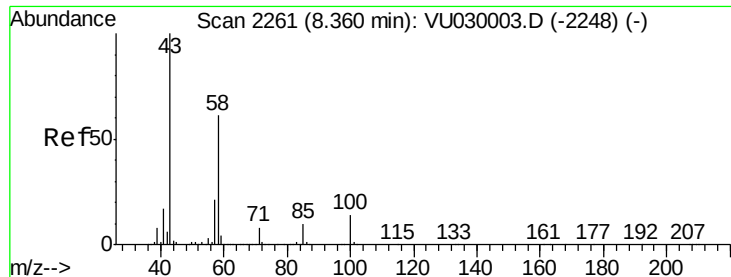
MMDadoda
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#53
 1,3-Dichloropropane
 Concen: 0.247 ug/l
 RT: 8.25 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.4	39.6





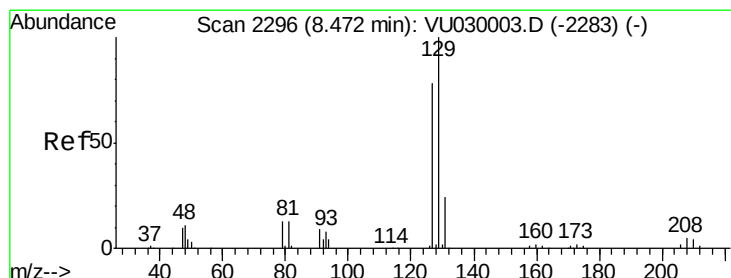
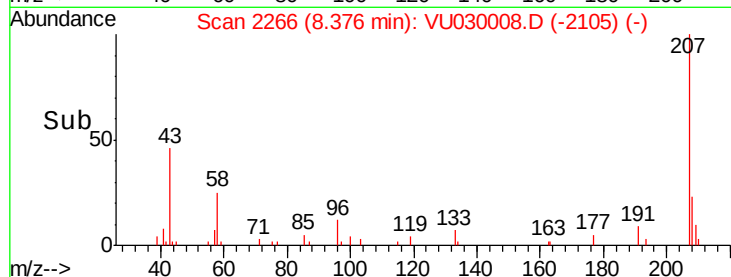
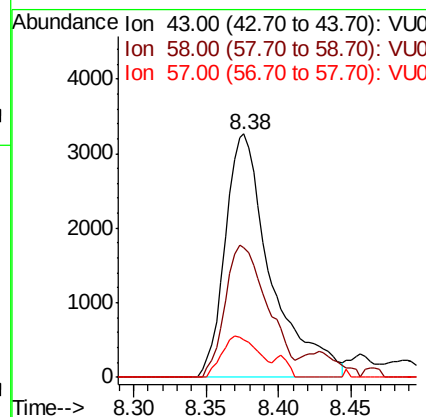
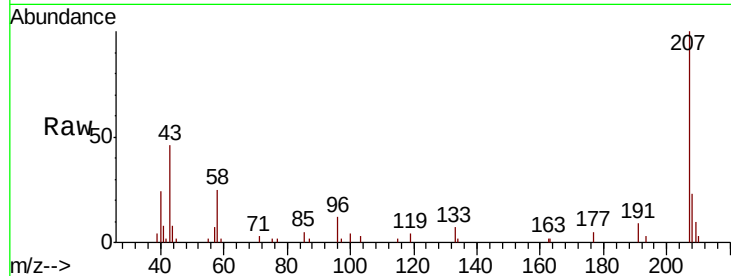
#54
2-Hexanone
Concen: 1.152 ug/l
RT: 8.38 min Scan# 2266
Delta R.T. 0.02 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.7	40.3	80.3
57	13.5	0.6	40.6

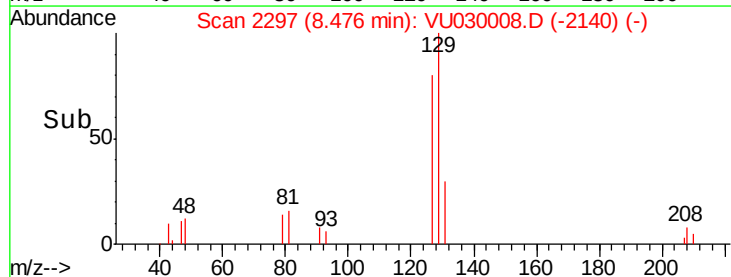
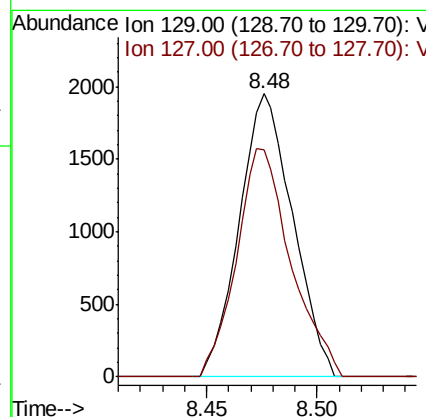
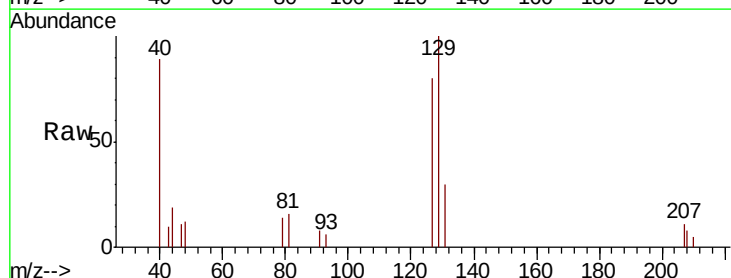
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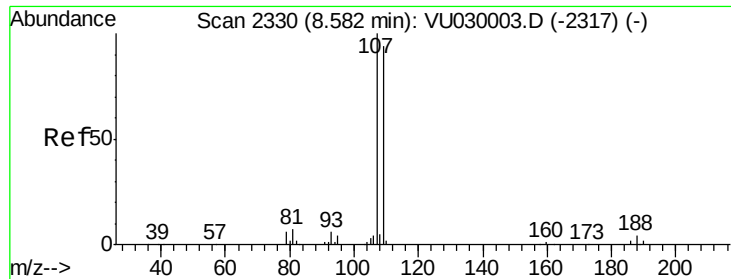
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#55
Dibromochloromethane
Concen: 0.221 ug/l
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.1	62.4	93.6





#56

1,2-Dibromoethane

Concen: 0.239 ug/l

RT: 8.59 min Scan# 2333

Delta R.T. 0.01 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 107 Resp: 2838

Ion Ratio Lower Upper

107 100

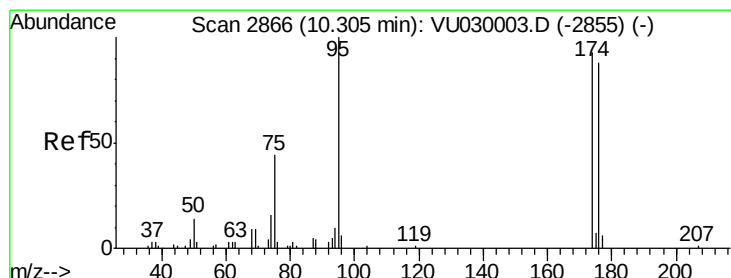
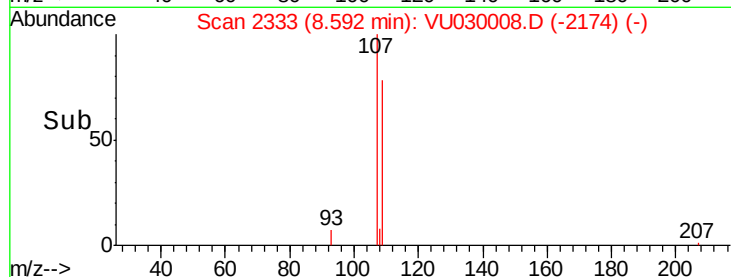
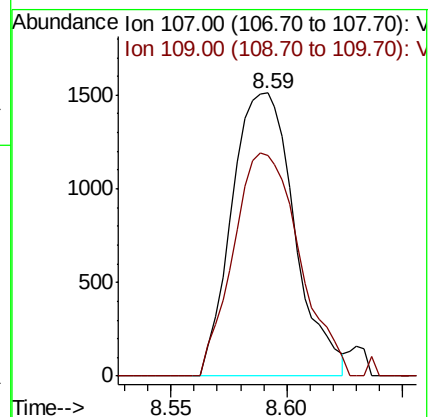
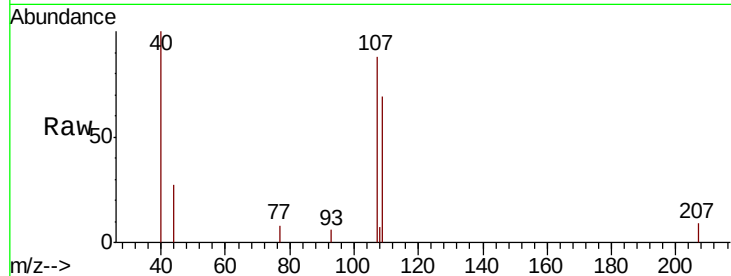
109 83.3 0.0 186.8

Manual Integrations

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#57

4-Bromofluorobenzene

Concen: 0.239 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

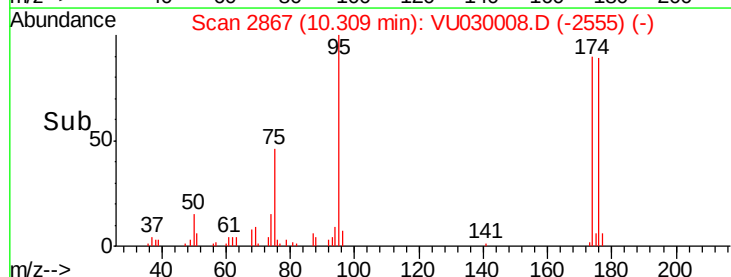
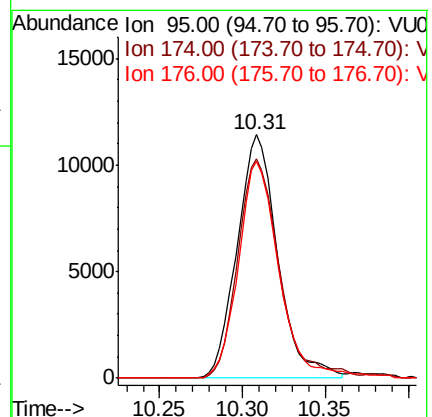
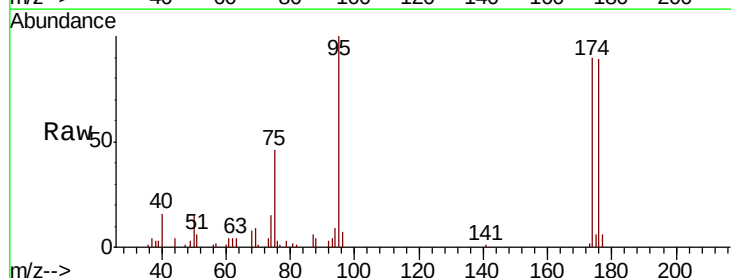
Tgt Ion: 95 Resp: 19476

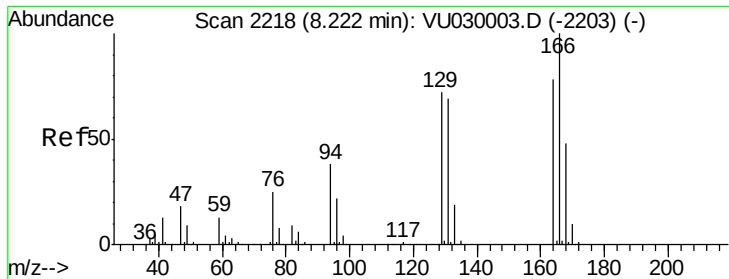
Ion Ratio Lower Upper

95 100

174 92.2 78.1 117.1

176 89.5 70.8 106.2





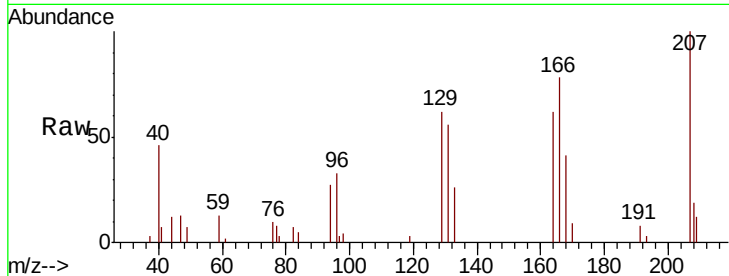
#58
Tetrachloroethene
Concen: 0.268 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	103.2	154.8
129	99.4	74.5	111.7
131	91.2	70.9	106.3

Manual Integrations
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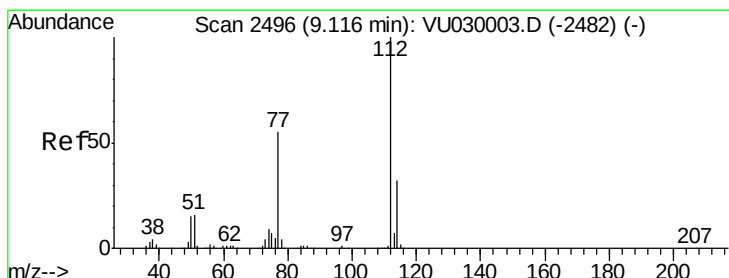
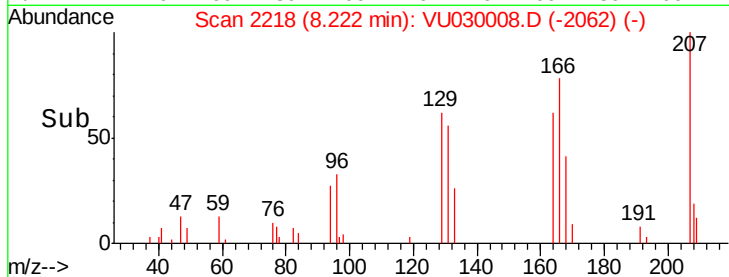
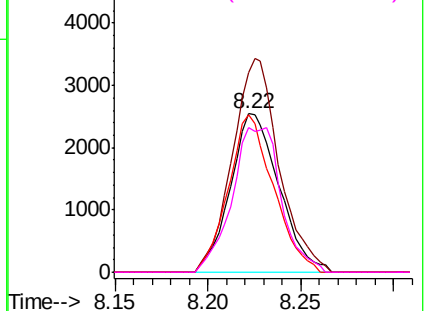
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

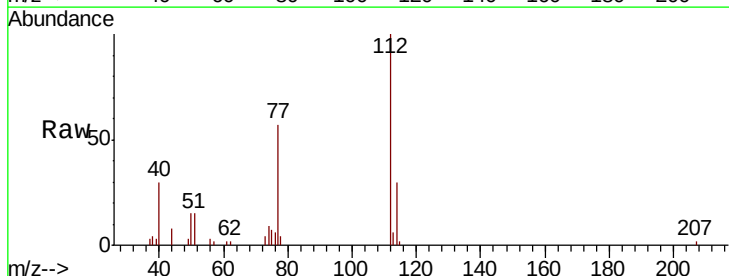
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#59
Chlorobenzene
Concen: 0.251 ug/l
RT: 9.12 min Scan# 2498
Delta R.T. 0.01 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

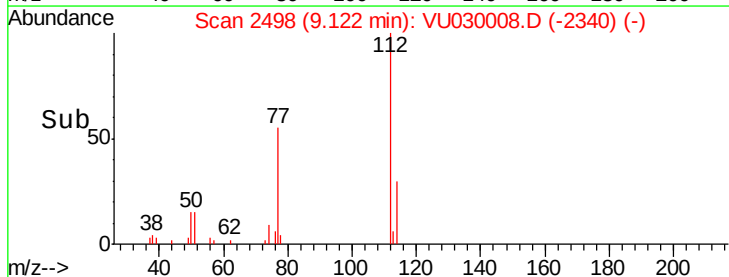
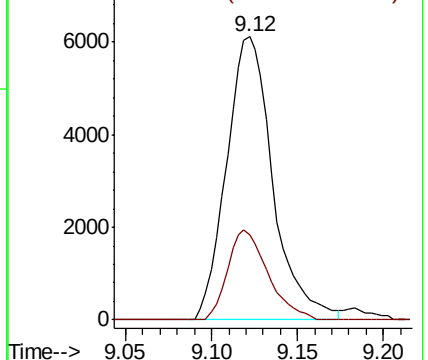
Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.1	25.6	38.4

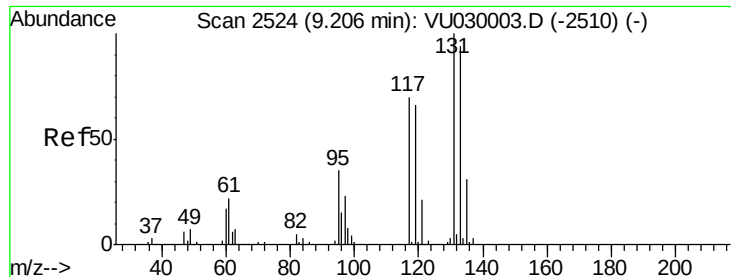


Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#60

1,1,1,2-Tetrachloroethane

Concen: 0.247 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

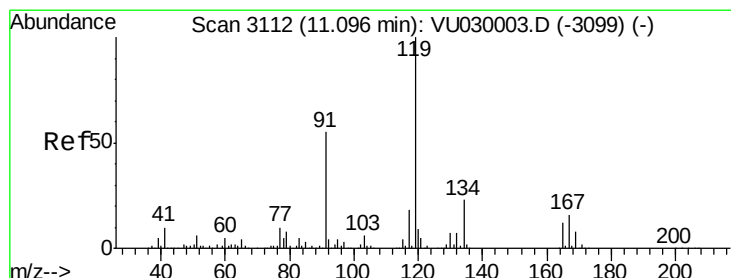
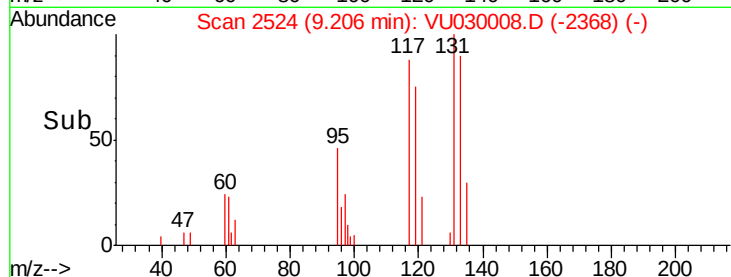
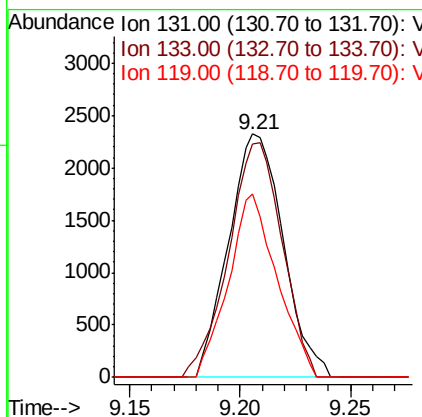
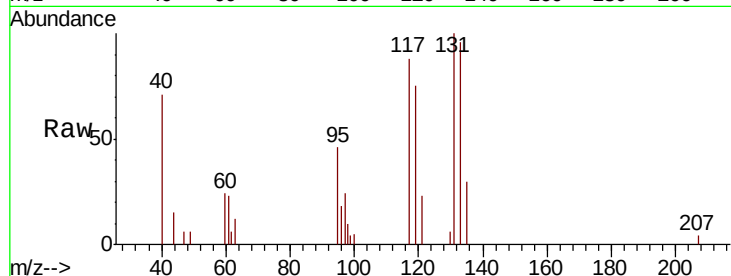
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion:	131	Resp:	3987
Ion Ratio	Lower	Upper	
131	100		
133	94.7	75.6	113.4
119	67.0	53.3	79.9

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#61

Pentachloroethane

Concen: 0.225 ug/l

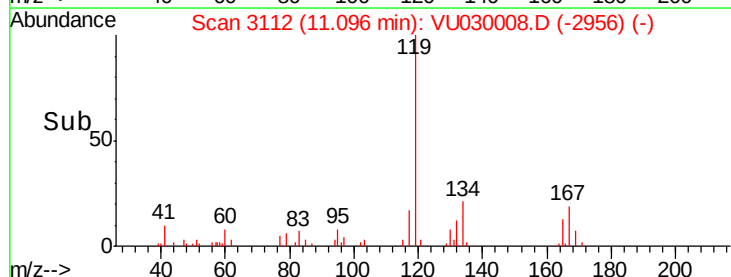
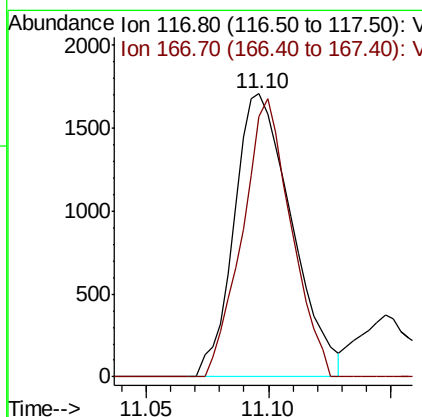
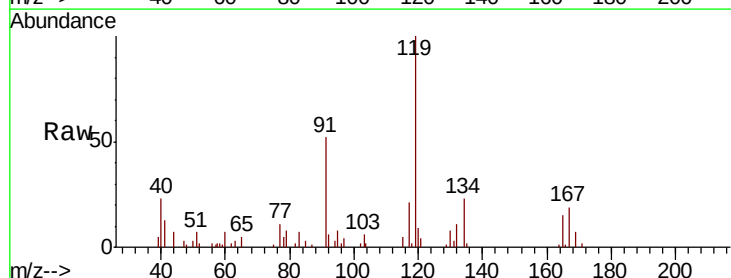
RT: 11.10 min Scan# 3112

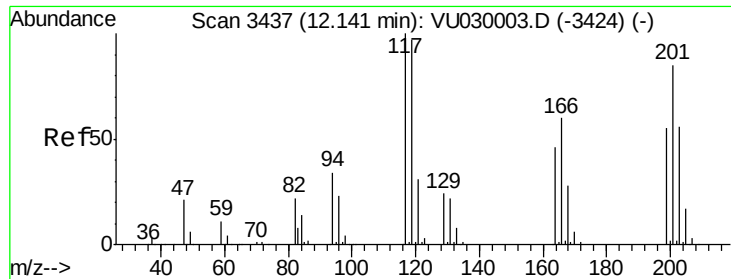
Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Tgt Ion:	117	Resp:	2797
Ion Ratio	Lower	Upper	
117	100		
167	83.0	73.1	109.7





#62

Hexachloroethane

Concen: 0.231 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion: 117 Resp: 2900

Ion Ratio Lower Upper

117 100

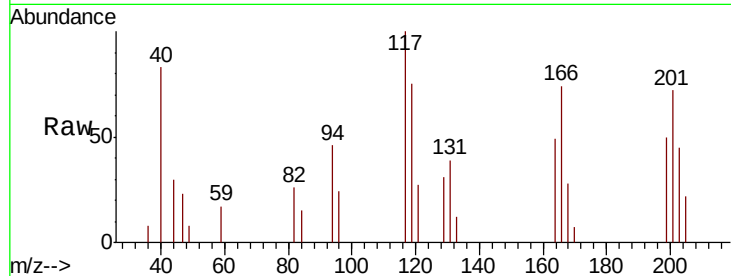
201 77.4 69.5 104.3

Manual Integrations

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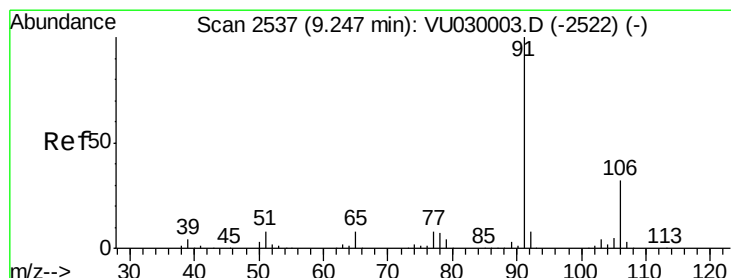
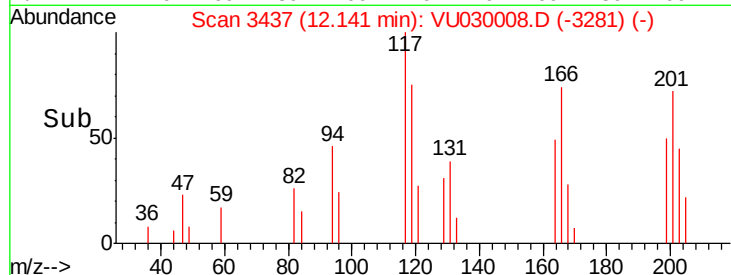
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

12.14

12.10 12.15

Time-->



#63

Ethyl Benzene

Concen: 0.224 ug/l

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU030008.D

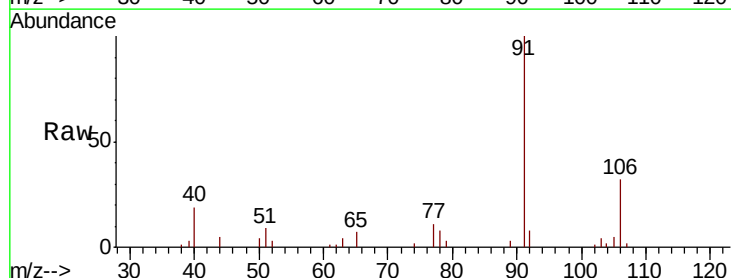
Acq: 12 Mar 2019 15:52

Tgt Ion: 91 Resp: 16808

Ion Ratio Lower Upper

91 100

106 31.9 25.7 38.5



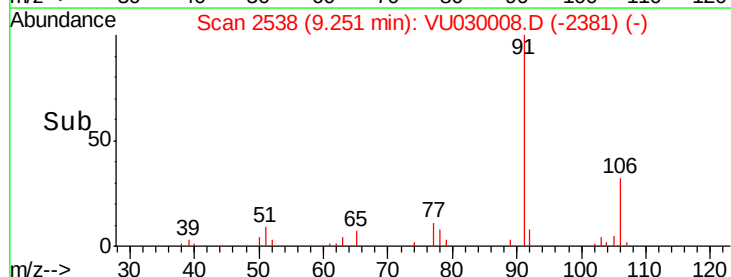
Abundance Ion 91.00 (90.70 to 91.70): VU0

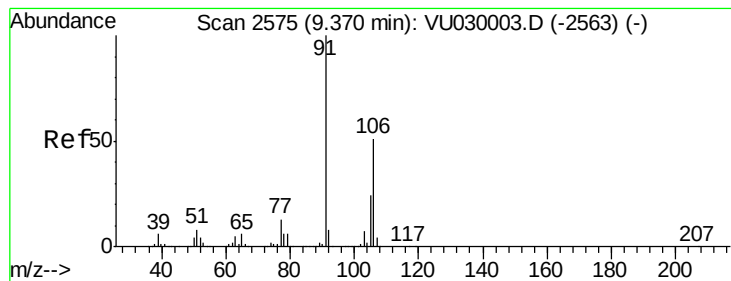
Ion 106.00 (105.70 to 106.70): V

9.25

9.20 9.25 9.30

Time-->





#64

m/p-Xylenes

Concen: 0.424 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion:106 Resp: 12521

Ion Ratio Lower Upper

106 100

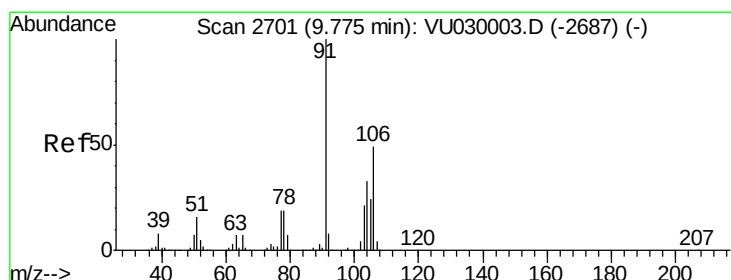
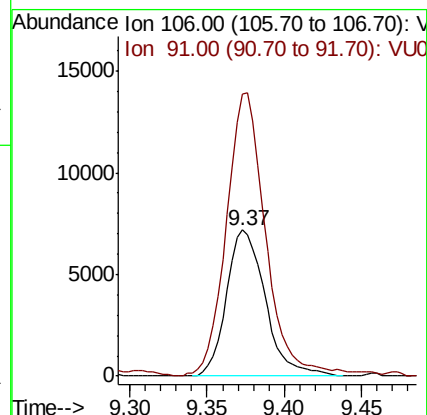
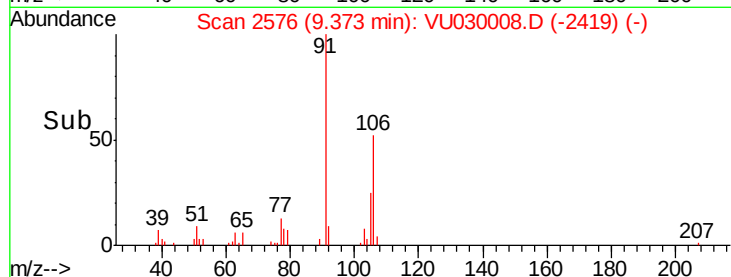
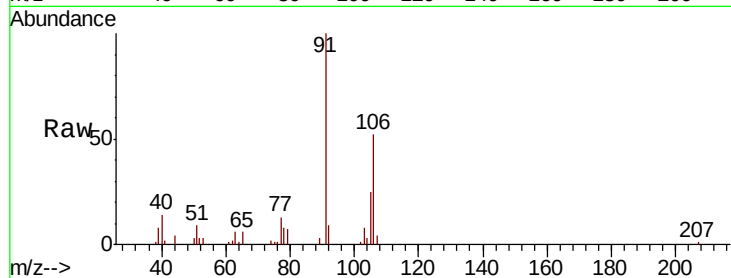
91 195.9 157.9 236.9

Manual Integrations

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#65

o-Xylene

Concen: 0.220 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030008.D

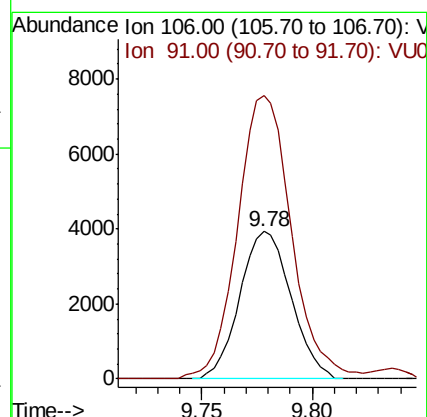
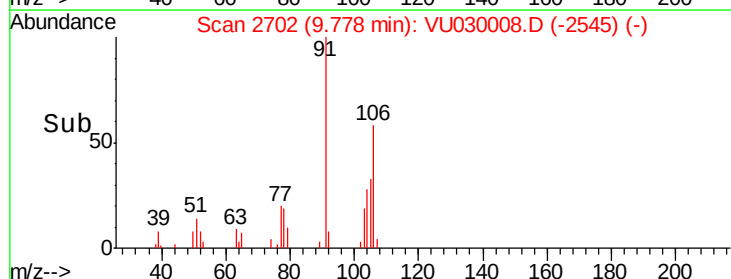
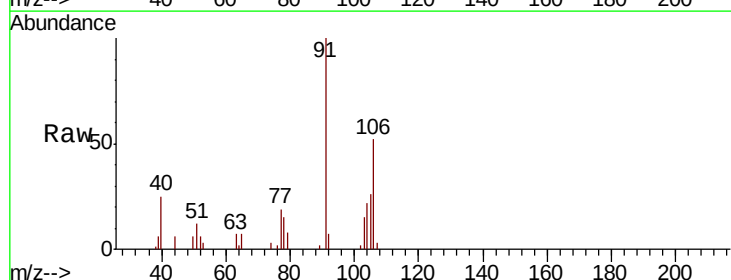
Acq: 12 Mar 2019 15:52

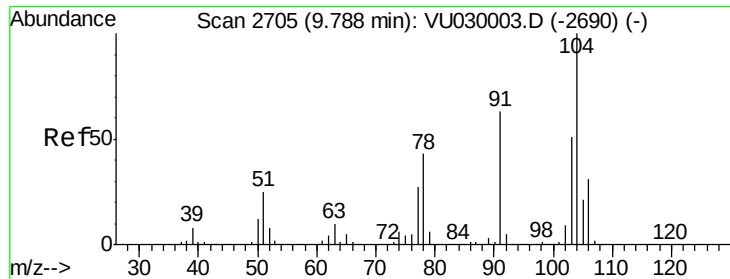
Tgt Ion:106 Resp: 6354

Ion Ratio Lower Upper

106 100

91 201.9 103.2 309.4





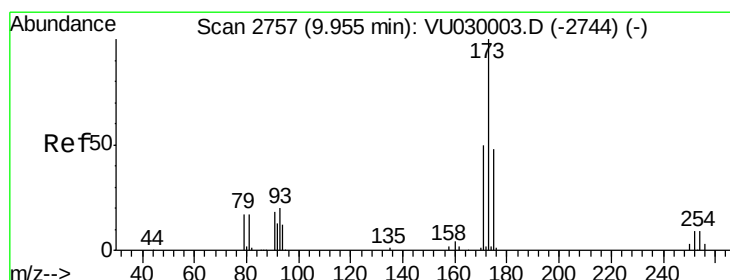
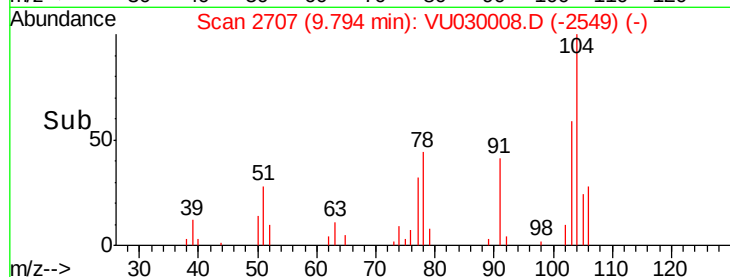
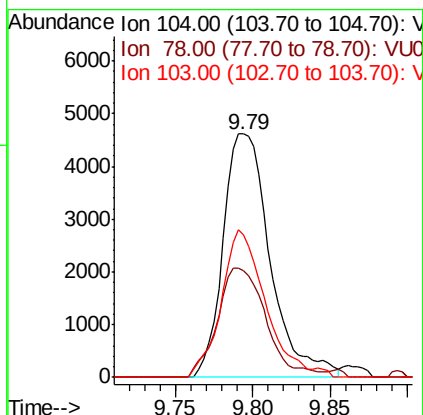
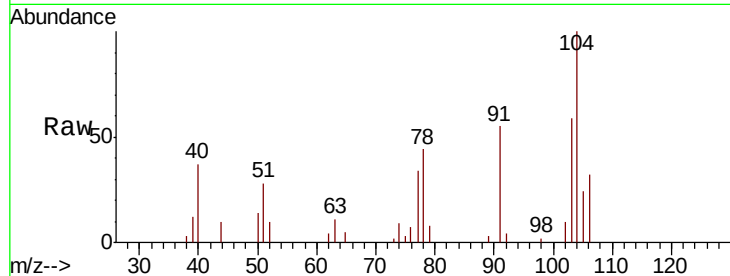
#66
Styrene
Concen: 0.205 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.01 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tgt Ion:104 Resp: 9735
Ion Ratio Lower Upper
104 100
78 46.4 37.0 55.4
103 56.2 43.8 65.6

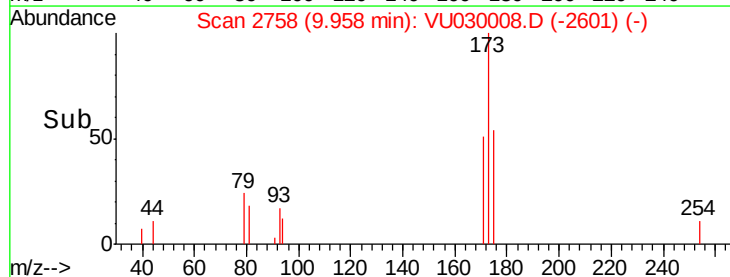
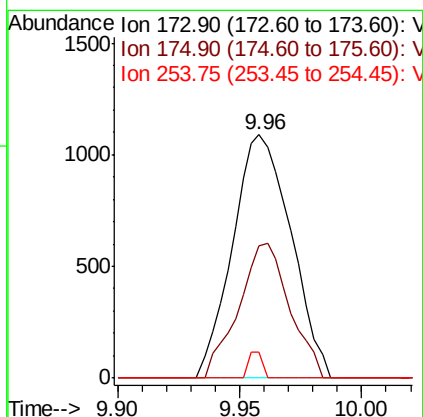
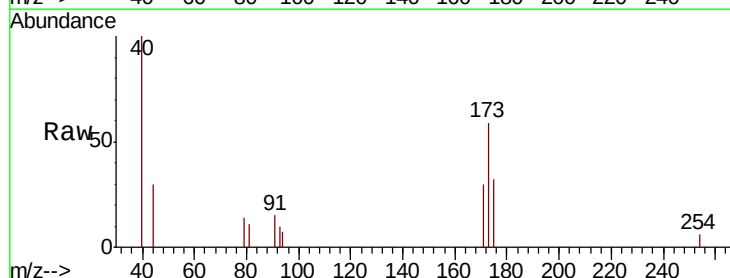
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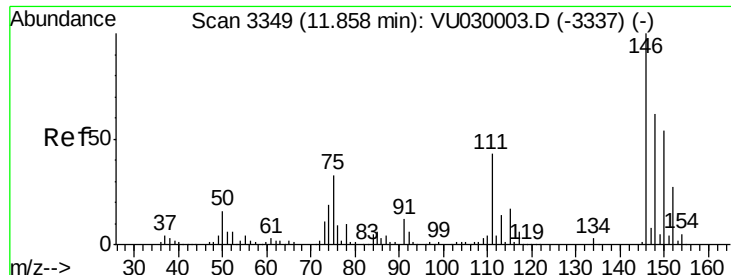
MMDadoda
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#67
Bromoform
Concen: 0.213 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Tgt Ion:173 Resp: 1806
Ion Ratio Lower Upper
173 100
175 48.4 39.0 58.4
254 2.5 7.0 10.4#





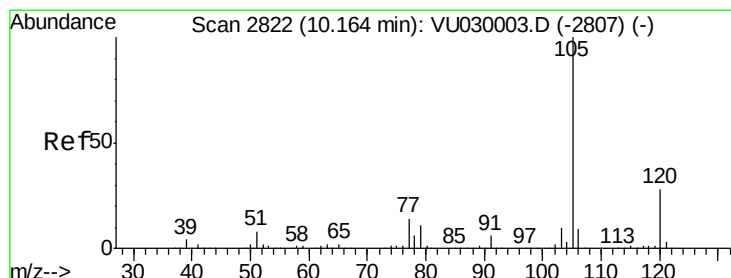
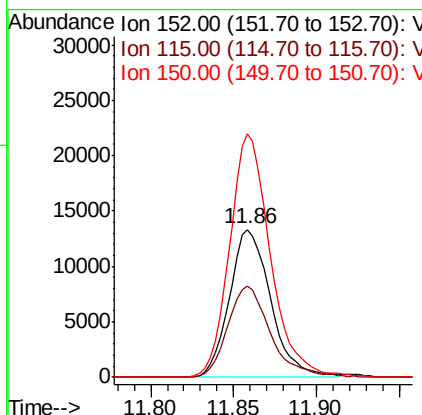
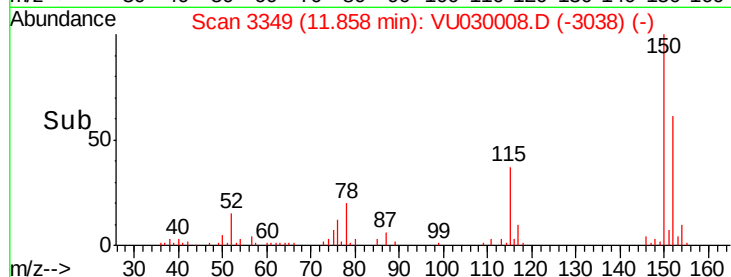
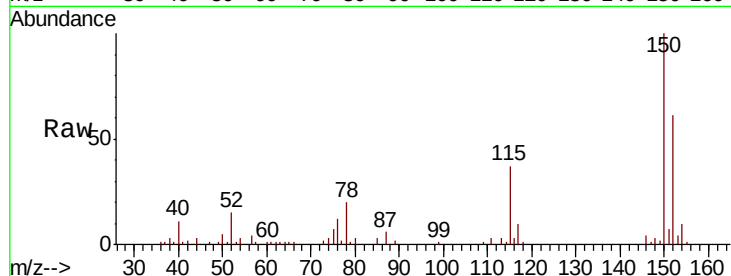
#68
1,2-Dichlorobenzene-d4
Concen: 0.213 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	23161		
115	63.5	0.0	126.8	
150	162.1	0.0	634.2	

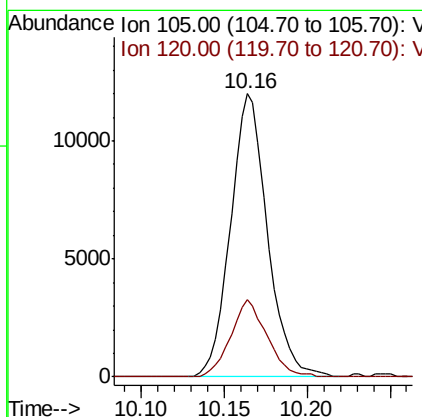
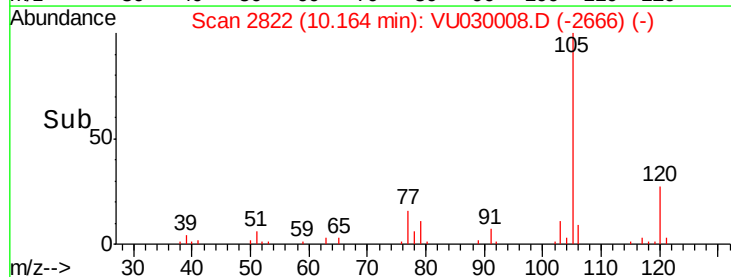
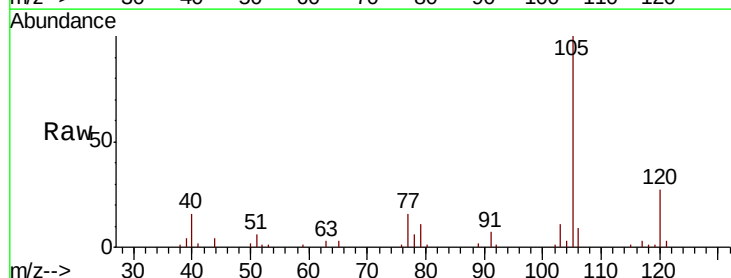
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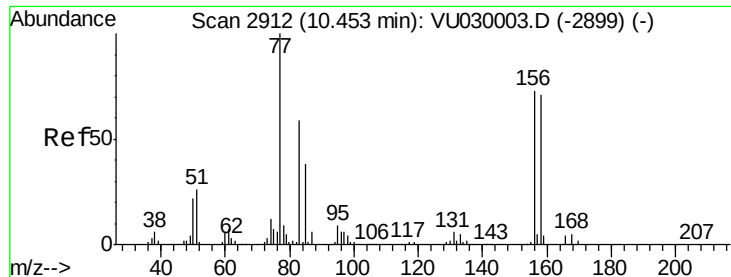
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#69
Isopropylbenzene
Concen: 0.246 ug/l
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	18537		
120	26.8	13.5	40.5	





#70

1,1,2,2-Tetrachloroethane

Concen: 0.288 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

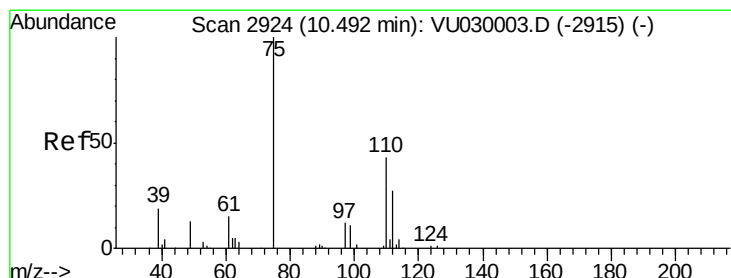
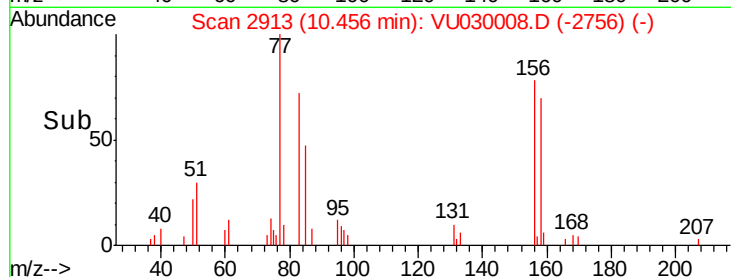
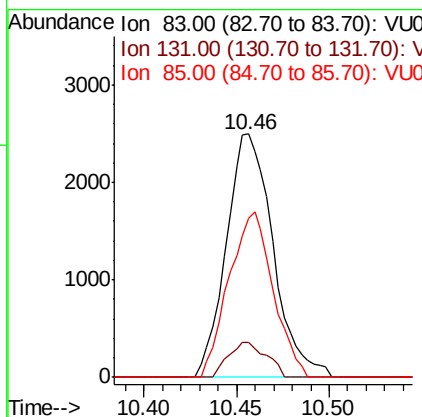
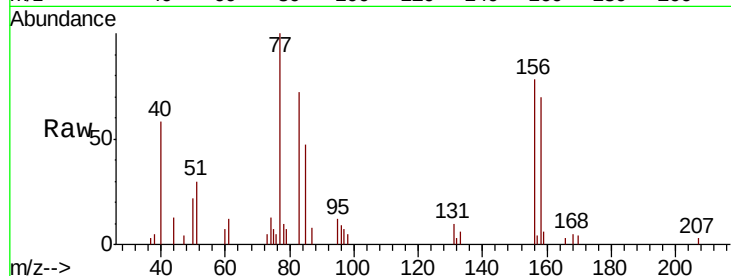
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion:	83	Resp:	4373
Ion	Ratio	Lower	Upper
83	100		
131	11.6	8.4	12.6
85	63.8	52.6	78.8

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#71

1,2,3-Trichloropropane

Concen: 0.292 ug/l m

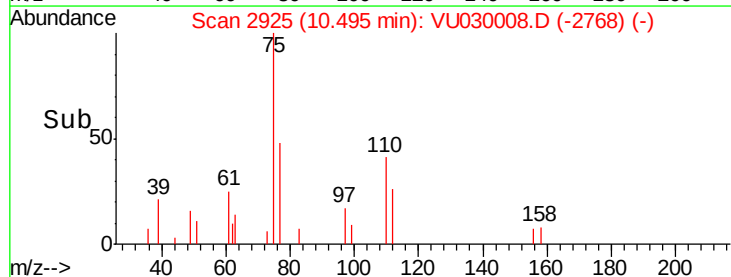
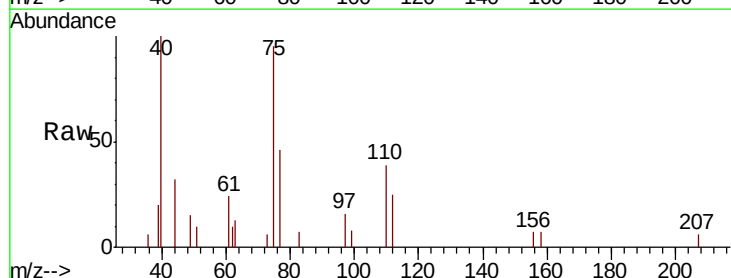
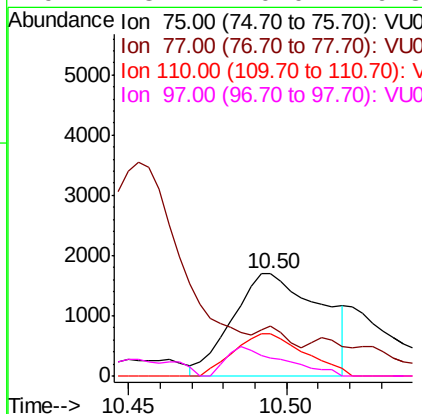
RT: 10.50 min Scan# 2925

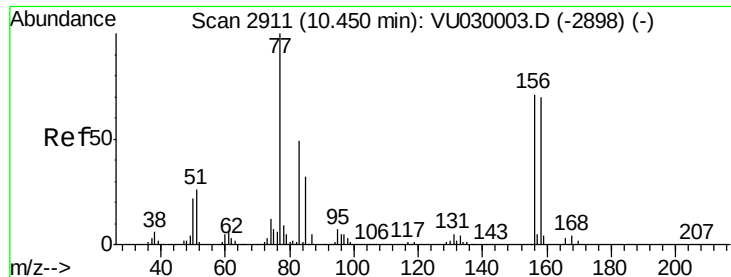
Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Tgt Ion:	75	Resp:	3331
Ion	Ratio	Lower	Upper
75	100		
77	32.1	0.0	16.8#
110	33.0	0.0	76.8
97	18.4	0.0	40.8





#72

Bromobenzene

Concen: 0.225 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

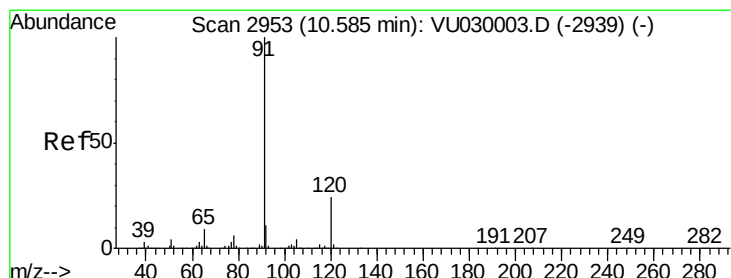
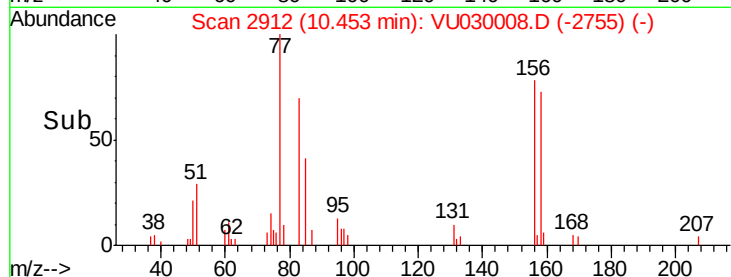
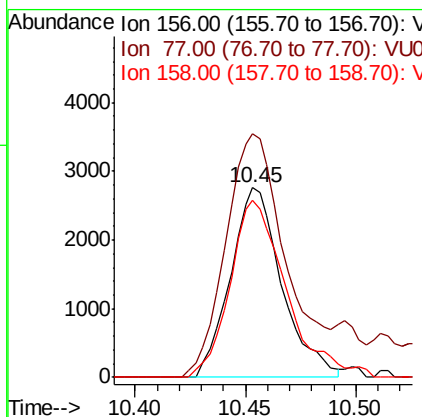
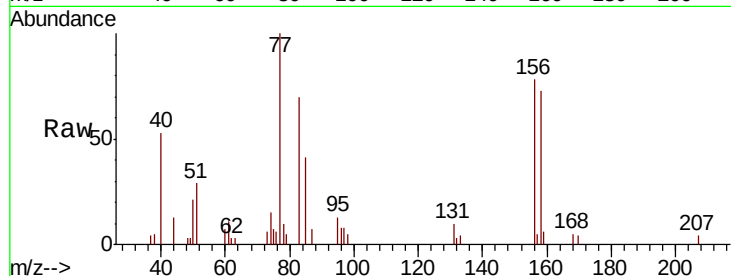
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion:	156	Resp:	4456
Ion Ratio	Lower	Upper	
156	100		
77	151.3	0.0	278.6
158	102.4	0.0	195.2

Manual Integrations
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#73

n-propylbenzene

Concen: 0.236 ug/l

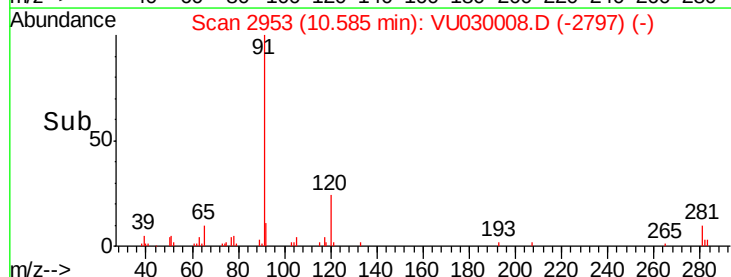
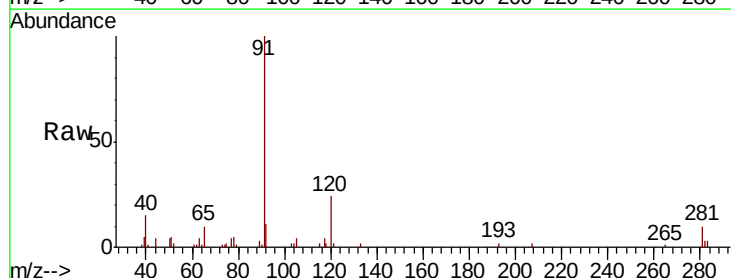
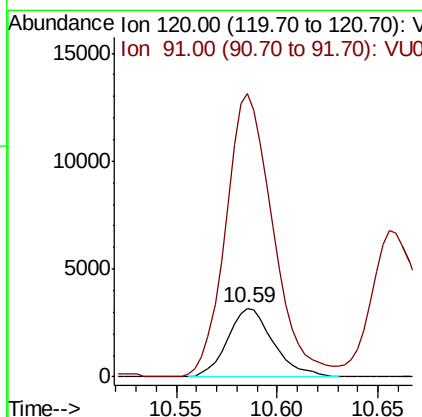
RT: 10.59 min Scan# 2953

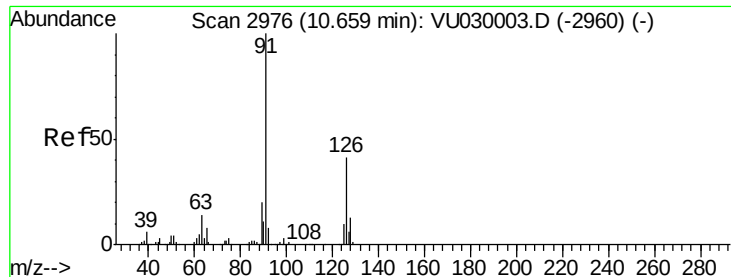
Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Tgt Ion:	120	Resp:	5049
Ion Ratio	Lower	Upper	
120	100		
91	427.1	335.4	503.0





#74

2-Chlorotoluene

Concen: 0.223 ug/l

RT: 10.66 min Scan# 2977

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion:126 Resp: 4189

Ion Ratio Lower Upper

126 100

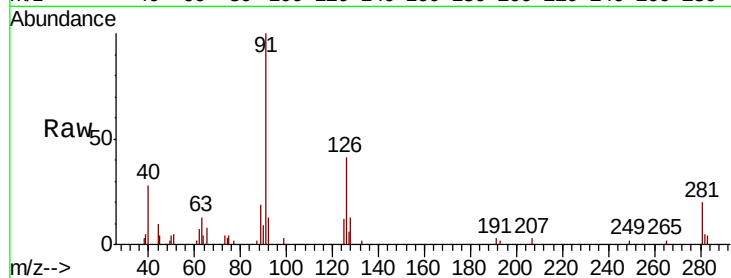
91 286.4 0.0 561.0

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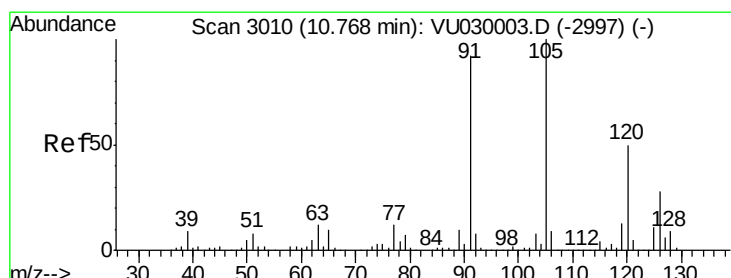
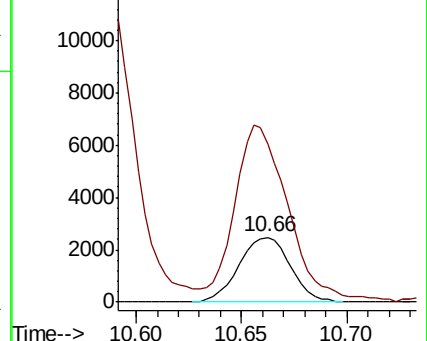
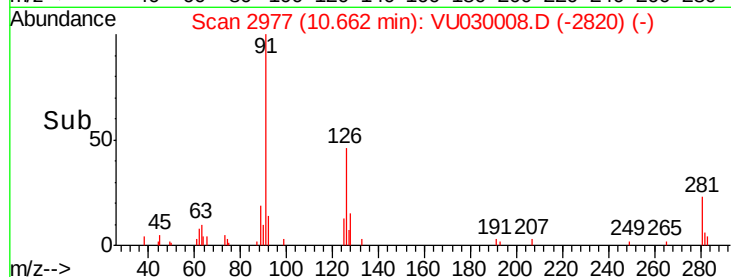
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Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#75

1,3,5-Trimethylbenzene

Concen: 0.204 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030008.D

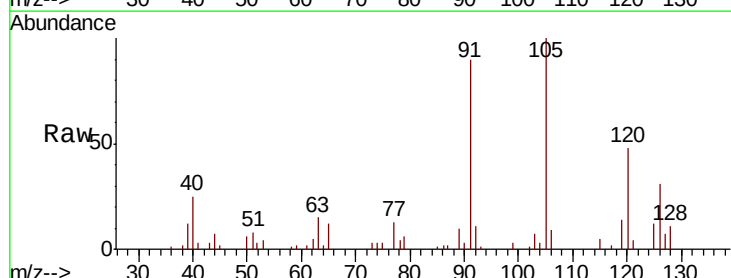
Acq: 12 Mar 2019 15:52

Tgt Ion:105 Resp: 13143

Ion Ratio Lower Upper

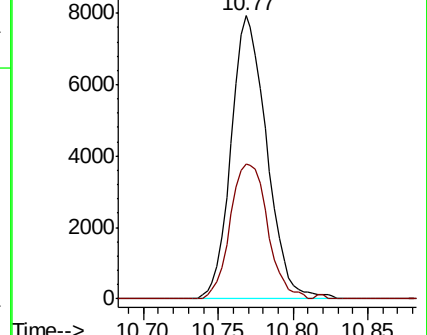
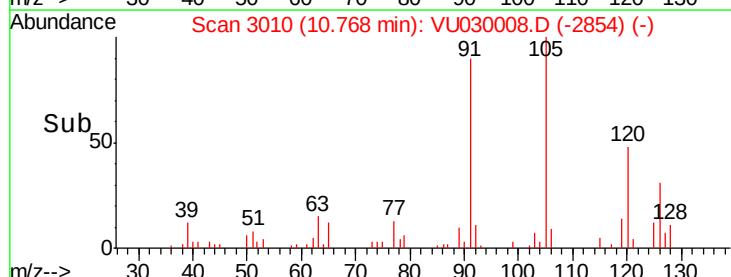
105 100

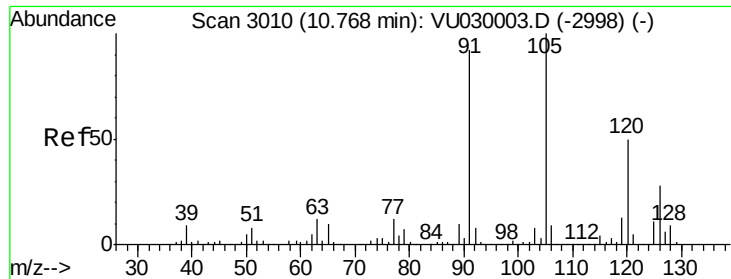
120 49.9 39.8 59.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

4-Chlorotoluene

Concen: 0.253 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion:126 Resp: 4835

Ion Ratio Lower Upper

126 100

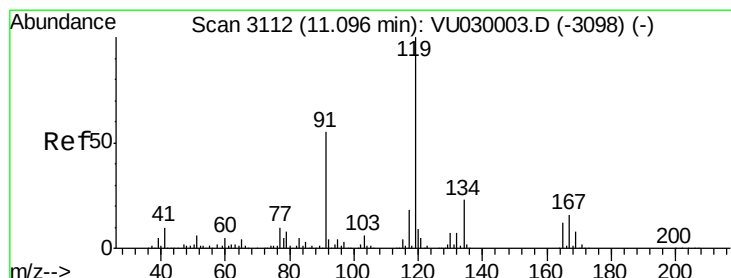
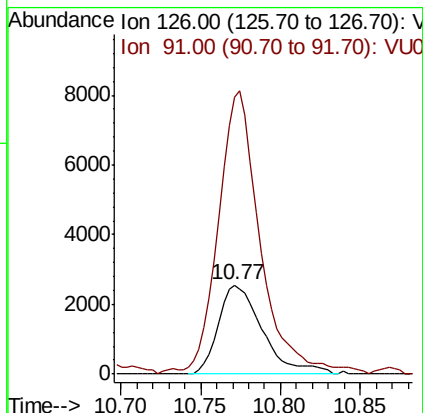
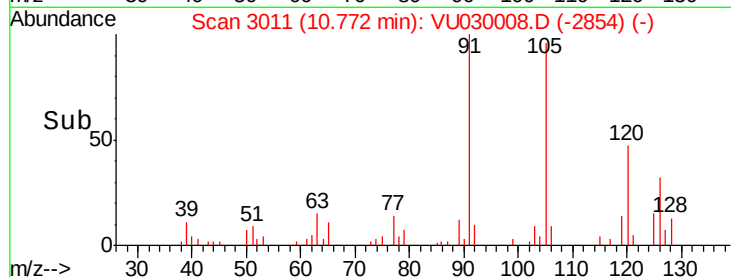
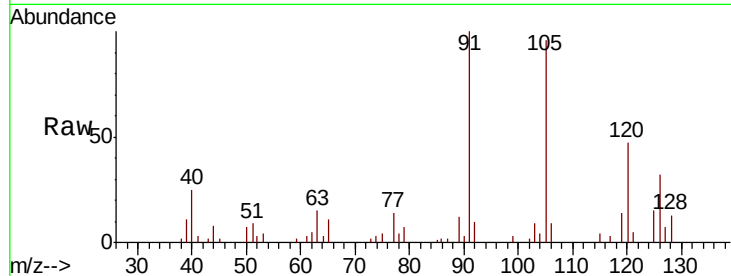
91 301.9 0.0 641.8

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#77

tert-Butylbenzene

Concen: 0.220 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

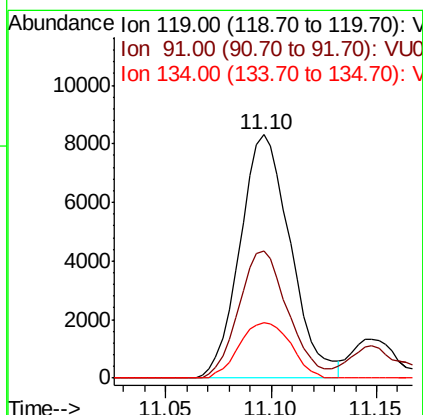
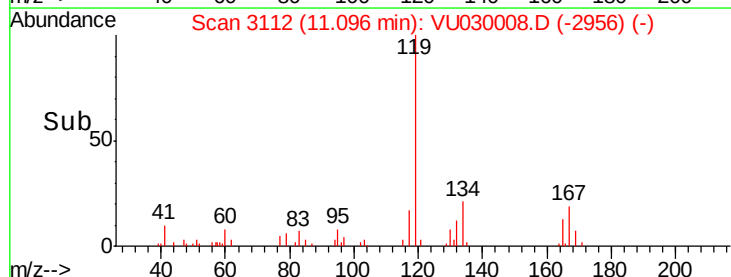
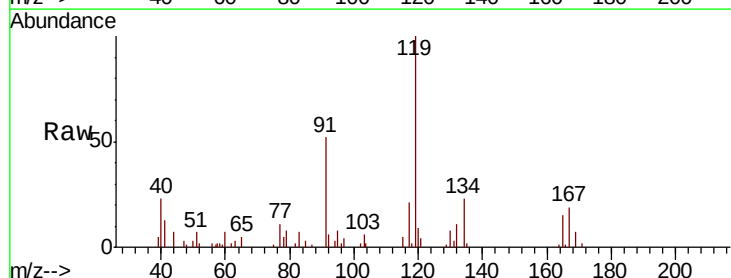
Tgt Ion:119 Resp: 13821

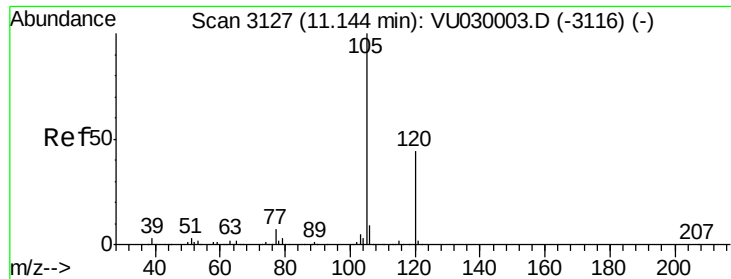
Ion Ratio Lower Upper

119 100

91 50.6 27.6 82.8

134 23.3 18.7 28.1





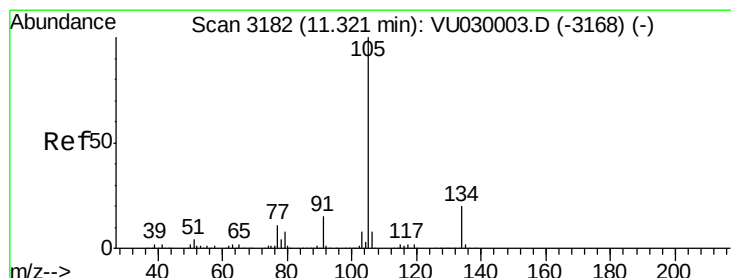
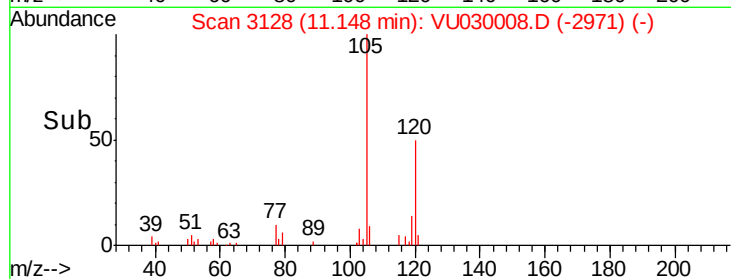
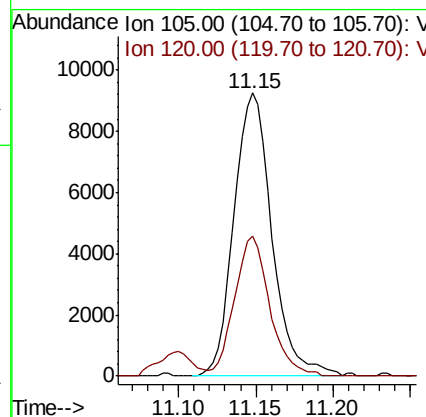
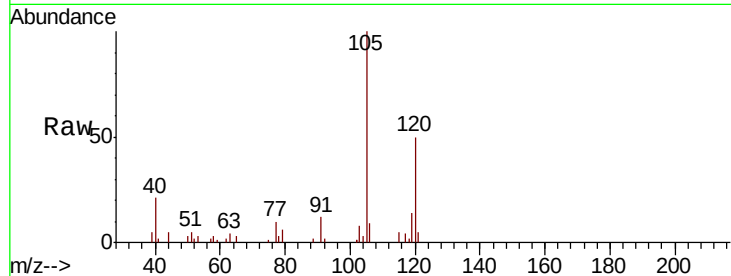
#78
 1,2,4-Trimethylbenzene
 Concen: 0.241 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tgt Ion:105 Resp: 15737
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.5 70.6

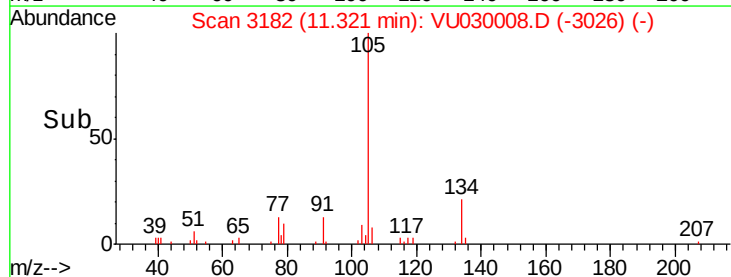
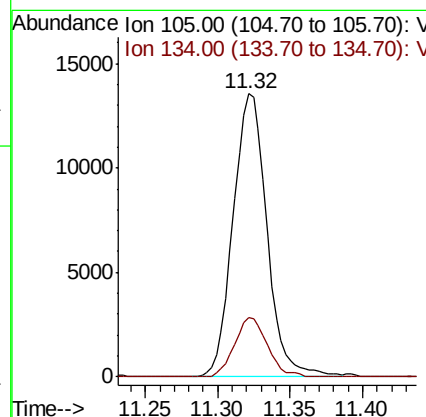
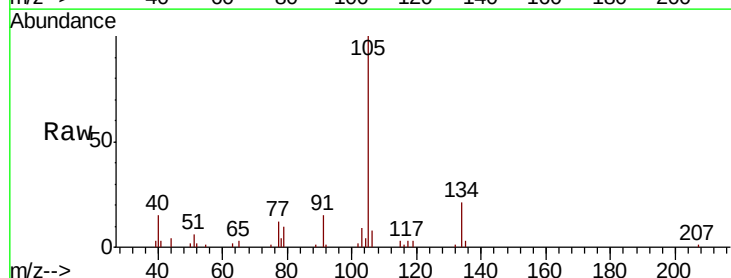
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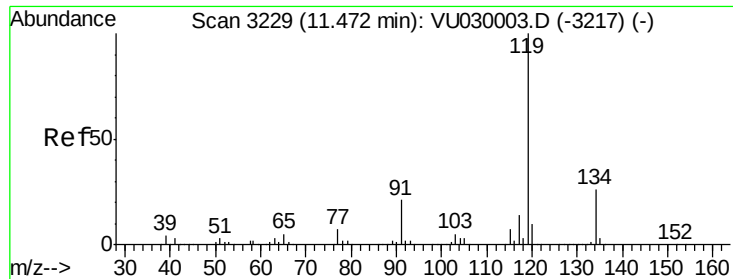
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#79
 sec-Butylbenzene
 Concen: 0.261 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Tgt Ion:105 Resp: 22032
 Ion Ratio Lower Upper
 105 100
 134 20.3 16.1 24.1





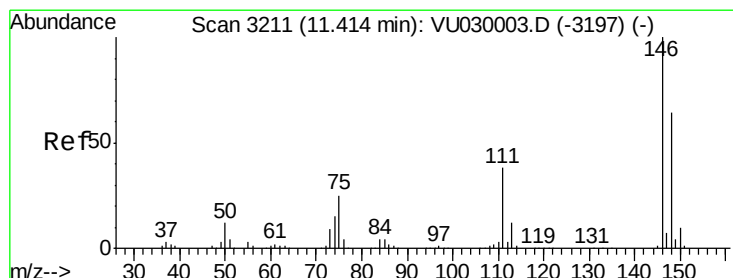
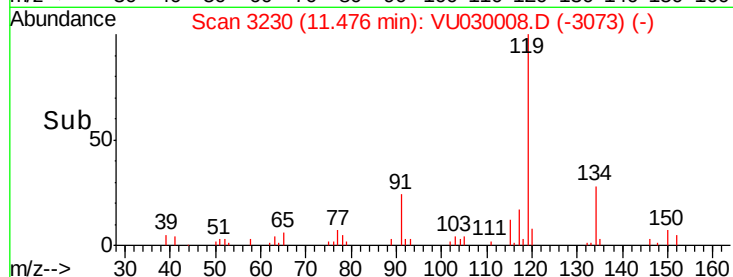
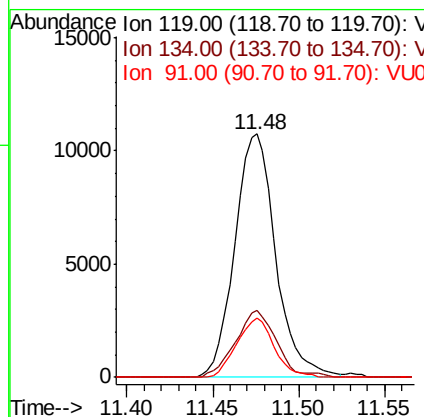
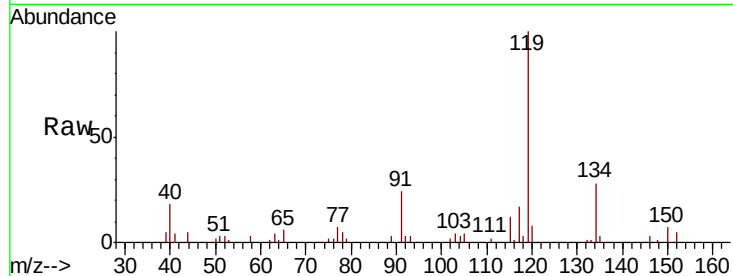
#81
p-Isopropyltoluene
Concen: 0.252 ug/l
RT: 11.48 min Scan# 3230
Delta R.T. 0.00 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	21.2	31.8
91	22.4	17.0	25.6

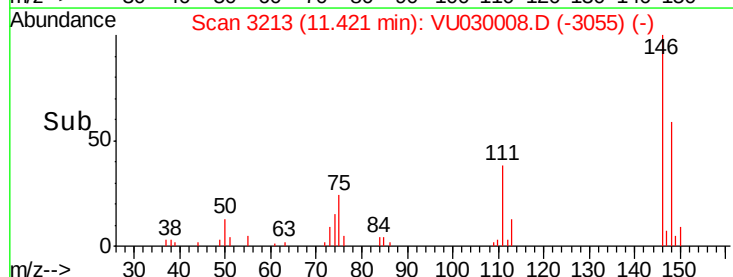
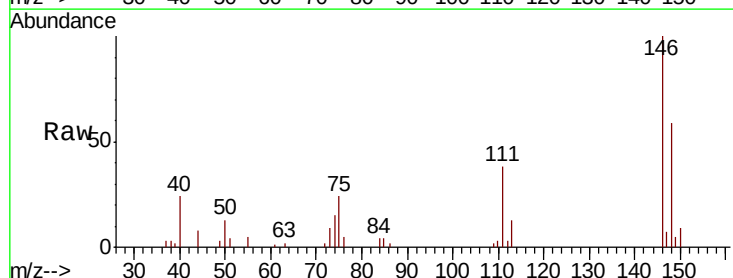
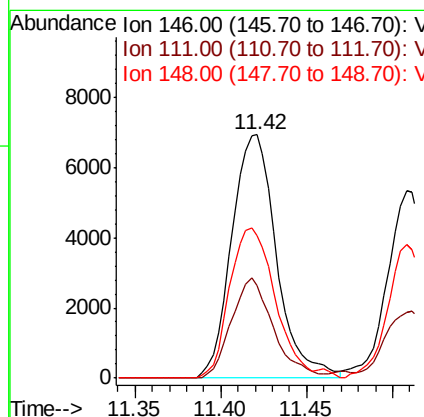
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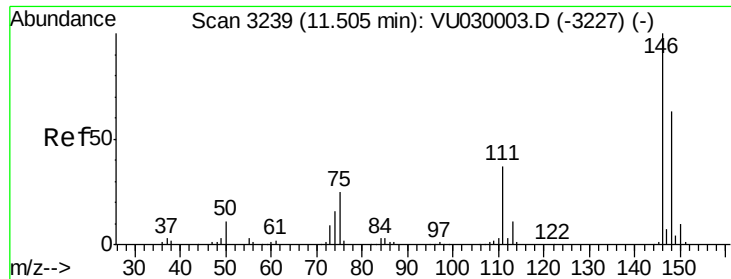
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#82
1,3-Dichlorobenzene
Concen: 0.315 ug/l
RT: 11.42 min Scan# 3213
Delta R.T. 0.01 min
Lab File: VU030008.D
Acq: 12 Mar 2019 15:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	30.3	45.5
148	63.5	51.1	76.7





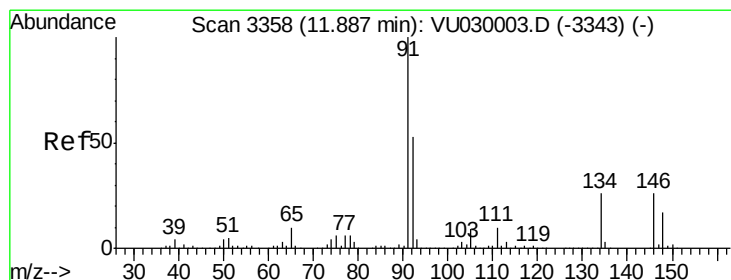
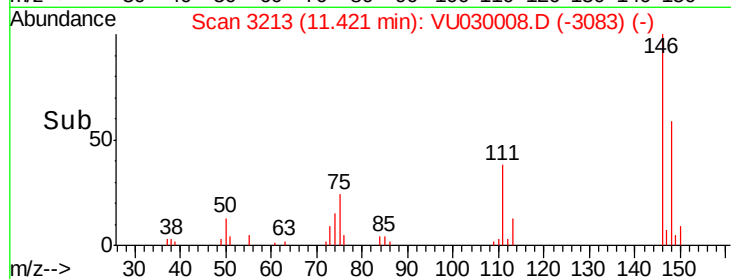
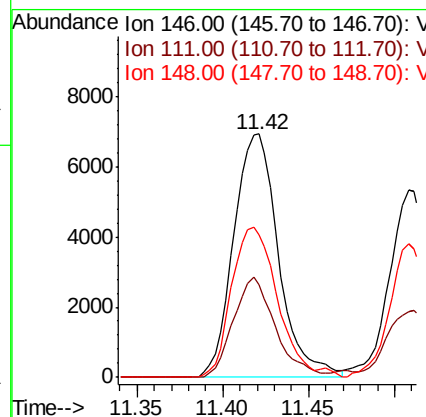
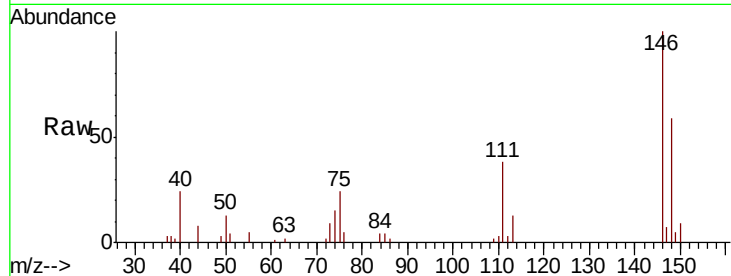
#83
 1,4-Dichlorobenzene
 Concen: 0.313 ug/l
 RT: 11.42 min Scan# 3213
 Delta R.T. -0.08 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	29.3	43.9
148	63.5	50.6	76.0

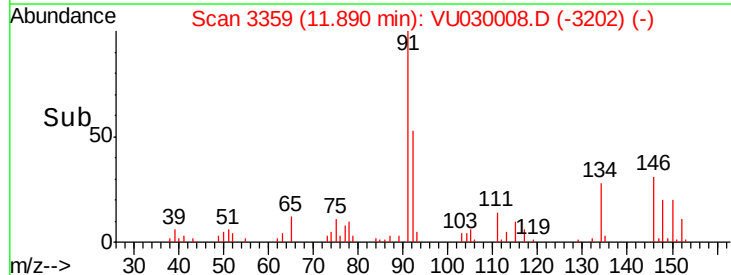
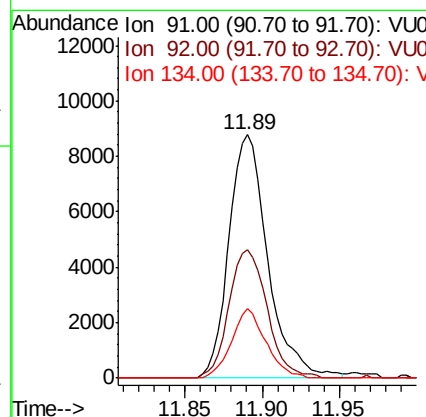
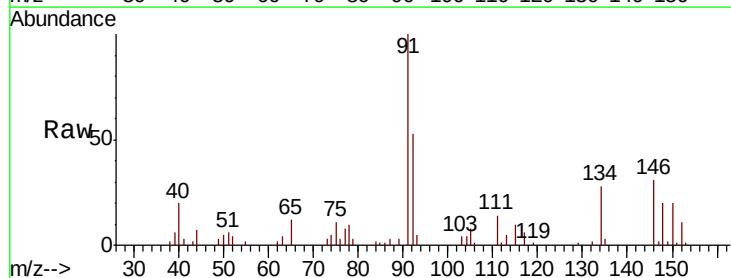
Manual Integrations
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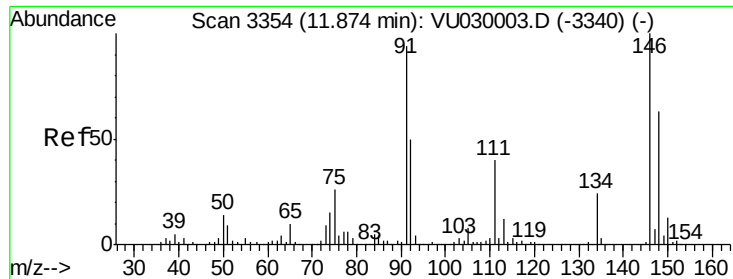
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#84
 n-Butylbenzene
 Concen: 0.232 ug/l
 RT: 11.89 min Scan# 3359
 Delta R.T. 0.00 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.8	42.4	63.6
134	25.1	21.4	32.0





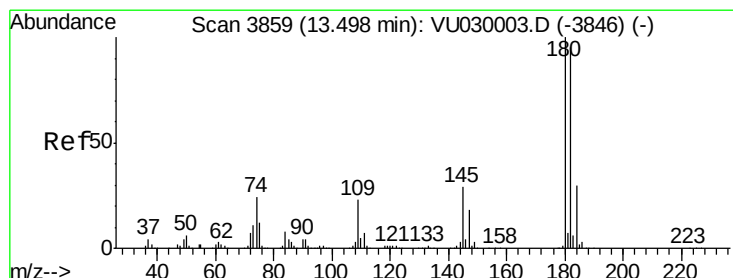
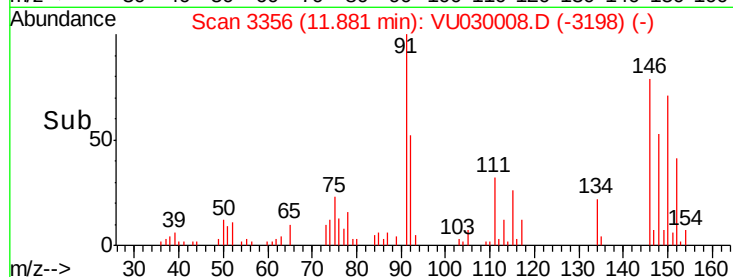
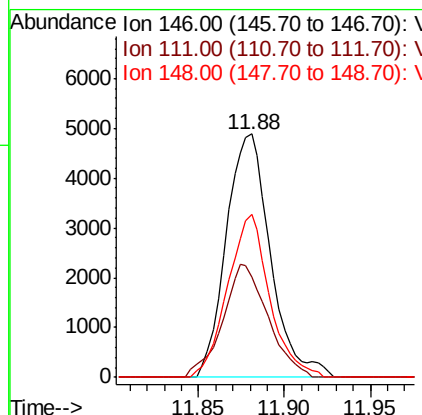
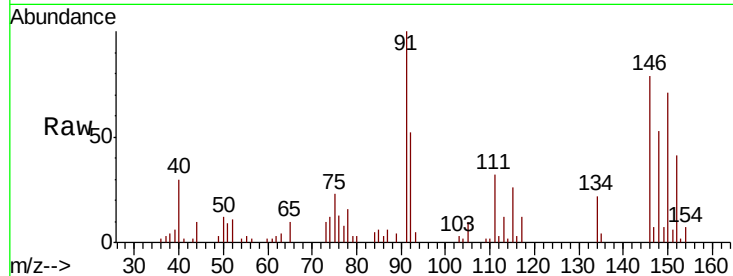
#85
 1,2-Dichlorobenzene
 Concen: 0.234 ug/l
 RT: 11.88 min Scan# 3356
 Delta R.T. 0.01 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.3	19.9	59.7
148	64.0	31.7	95.1

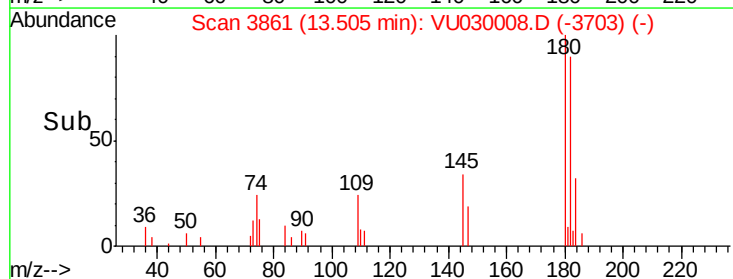
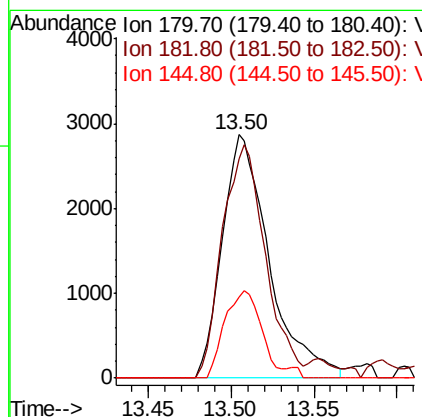
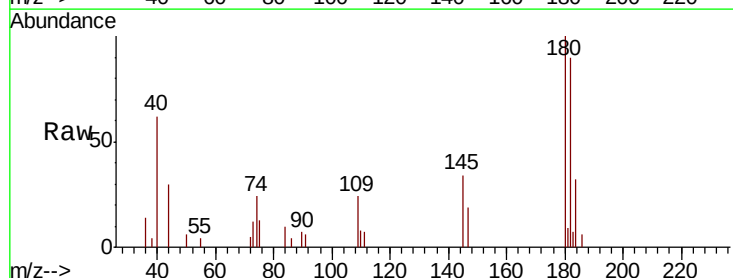
Manual Integrations
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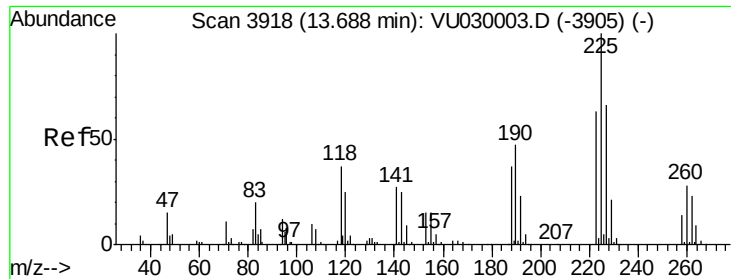
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.210 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU030008.D
 Acq: 12 Mar 2019 15:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.7	76.2	114.2
145	28.1	23.0	34.6





#88

Hexachlorobutadiene

Concen: 0.478 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Instrument :

MSVOA_U

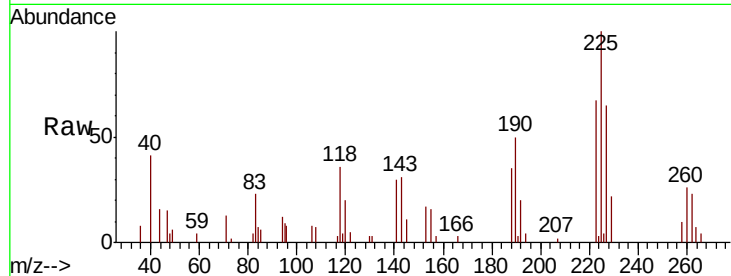
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tgt Ion:	225	Resp:	6959
Ion	Ratio	Lower	Upper
225	100		
223	69.7	50.7	76.1
227	69.0	52.6	78.8

Manual Integrations
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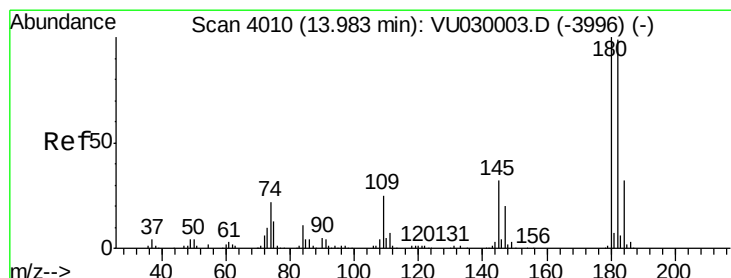
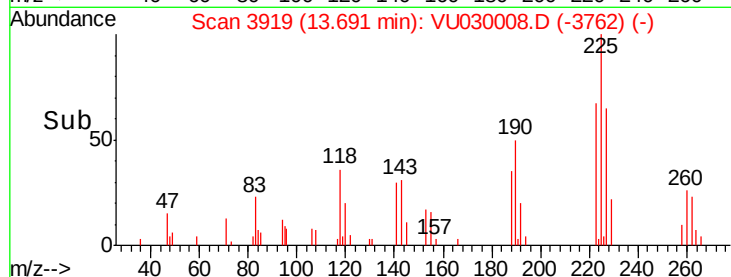
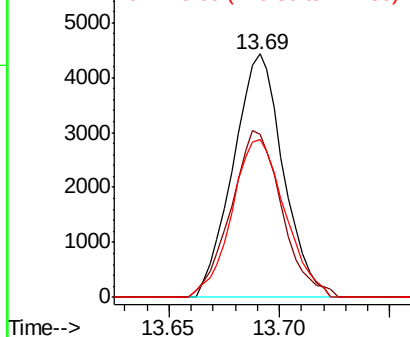


Abundance

Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V



#90

1,2,3-Trichlorobenzene

Concen: 0.272 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU030008.D

Acq: 12 Mar 2019 15:52

Tgt Ion:	180	Resp:	6625
Ion	Ratio	Lower	Upper
180	100		
182	98.7	77.6	116.4
145	34.4	24.7	37.1

Abundance

Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

