

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022619\
 Data File : VU029675.D
 Acq On : 26 Feb 2019 12:08
 Operator : JC/SP
 Sample : K1560-07 LOD MDL0.25ppb
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sample ID :
 LOD-MDL-WATER-01-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 9:31:58 AM

Quant Time: Feb 27 00:48:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	60642	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	20831	0.88	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	23941	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	5737	0.253	ug/l	97
3) Chloromethane	1.33	50	5032	0.243	ug/l	93
4) Vinyl Chloride	1.40	62	5872	0.242	ug/l	99
5) Bromomethane	1.63	94	3919	0.291	ug/l	95
6) Chloroethane	1.70	64	3891	0.275	ug/l	93
7) Trichlorofluoromethane	1.88	101	7953	0.235	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4740	0.265	ug/l #	81
9) 1,1-Dichloroethene	2.28	96	4598	0.263	ug/l	66
10) Iodomethane	2.41	142	2189	0.381	ug/l #	75
11) Allyl Chloride	2.59	41	6388	0.218	ug/l #	78
12) Acrylonitrile	2.94	53	2354	0.600	ug/l #	90
13) Acetone	2.32	43	4939	1.307	ug/l #	52
14) Carbon Disulfide	2.47	76	15414	0.250	ug/l	97
15) Methylene Chloride	2.70	84	8316	0.392	ug/l #	76
16) trans-1,2-Dichloroethene	2.97	96	5684	0.291	ug/l	79
17) 1,1-Dichloroethane	3.44	63	8005	0.258	ug/l	98
18) 2-Butanone	4.29	43	5880	1.392	ug/l	99
20) Methylcyclohexane	6.41	83	7291	0.242	ug/l	88
21) 2,2-Dichloropropane	4.22	77	7011	0.244	ug/l #	89
22) cis-1,2-Dichloroethene	4.23	96	5289	0.287	ug/l	70
23) Diethyl Ether	2.10	59	3684	0.262	ug/l #	85
24) tert-Butyl Alcohol	2.84	59	3822	2.618	ug/l #	87
25) Methyl tert-Butyl Ether	3.00	73	12158	0.247	ug/l #	81
26) Bromochloromethane	4.54	128	2308	0.284	ug/l	65
27) Chloroform	4.68	83	7593	0.252	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	6826	0.244	ug/l	94
29) 1,1-Dichloropropene	5.14	75	6196	0.255	ug/l	88
30) Carbon Tetrachloride	5.13	117	5882	0.233	ug/l	97
31) Isopropyl Ether	3.58	45	11369	0.243	ug/l	95
32) Ethyl-t-butyl ether	4.08	59	12074	0.258	ug/l	91
33) Tert-Amyl methyl ether	5.58	73	10702	0.252	ug/l #	92
35) Benzene	5.38	78	17991	0.268	ug/l	95
36) 1,2-Dichloroethane	5.41	62	5303	0.261	ug/l	97
37) Trichloroethene	6.19	130	5519	0.287	ug/l	82
38) 1,2-Dichloropropane	6.43	63	4176	0.239	ug/l #	78
41) Tetrahydrofuran	4.65	42	1369m	0.478	ug/l	
42) 1-Chlorobutane	5.06	56	8289	0.255	ug/l	83
43) Dibromomethane	6.56	93	2314	0.249	ug/l	89
44) Bromodichloromethane	6.75	83	5204	0.220	ug/l	95
45) 4-Methyl-2-Pentanone	7.47	43	12768	1.171	ug/l #	87
46) t-1,4-Dichloro-2-butene	10.52	75	1318m	0.248	ug/l	

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Manual Integrations
 APPROVED

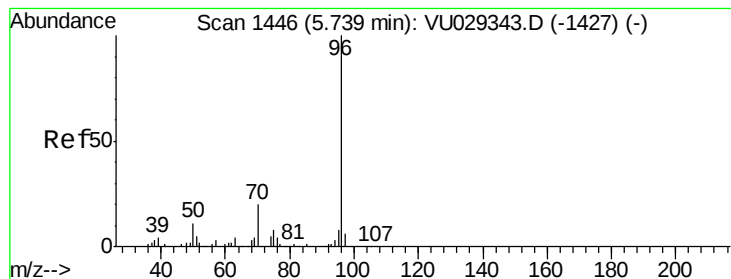
MMDadoda
 3/5/2019 9:31:58 AM

Quant Time: Feb 27 00:48:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

47) Methyl methacrylate	6.63	69	3856	0.471	ug/l #	73
48) Ethyl methacrylate	8.03	69	3563m	0.203	ug/l	
49) Toluene	7.64	92	10559	0.246	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	4674	0.201	ug/l	94
51) cis-1,3-Dichloropropene	7.27	75	5731	0.208	ug/l #	83
52) 1,1,2-Trichloroethane	8.07	97	3200	0.260	ug/l #	88
53) 1,3-Dichloropropane	8.24	76	5700	0.264	ug/l	95
54) 2-Hexanone	8.38	43	8750	1.145	ug/l	82
55) Dibromochloromethane	8.48	129	3941	0.225	ug/l	97
56) 1,2-Dibromoethane	8.59	107	3217	0.255	ug/l	99
58) Tetrachloroethene	8.23	164	5141	0.287	ug/l	89
59) Chlorobenzene	9.12	112	12265	0.254	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	4192	0.235	ug/l	93
61) Pentachloroethane	11.10	117	3157	0.228	ug/l	94
63) Ethyl Benzene	9.25	91	20654	0.246	ug/l	92
64) m/p-Xylenes	9.37	106	15172	0.465	ug/l	90
65) o-Xylene	9.78	106	7912	0.247	ug/l	84
66) Styrene	9.79	104	12189	0.228	ug/l	95
69) Isopropylbenzene	10.16	105	20321	0.237	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.46	83	3837	0.243	ug/l	90
71) 1,2,3-Trichloropropane	10.49	75	2863m	0.264	ug/l	
72) Bromobenzene	10.45	156	5971	0.288	ug/l	80
73) n-propylbenzene	10.58	120	5381	0.226	ug/l	85
74) 2-Chlorotoluene	10.66	126	5166	0.254	ug/l	87
75) 1,3,5-Trimethylbenzene	10.77	105	16633	0.225	ug/l	96
76) 4-Chlorotoluene	10.77	126	5576	0.265	ug/l	69
77) tert-Butylbenzene	11.10	119	16870	0.231	ug/l	90
78) 1,2,4-Trimethylbenzene	11.15	105	16796	0.225	ug/l	97
79) sec-Butylbenzene	11.32	105	22501	0.236	ug/l	94
81) p-Isopropyltoluene	11.47	119	18145	0.224	ug/l #	94
82) 1,3-Dichlorobenzene	11.42	146	11330	0.278	ug/l	95
83) 1,4-Dichlorobenzene	11.51	146	11246	0.277	ug/l	95
84) n-Butylbenzene	11.89	91	15676	0.211	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	10528	0.274	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	6227	0.230	ug/l	93
88) Hexachlorobutadiene	13.69	225	3945	0.252	ug/l	97
89) Naphthalene	13.75	128	12039	0.263	ug/l #	92
90) 1,2,3-Trichlorobenzene	13.99	180	6621	0.268	ug/l	94

(#) = 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: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

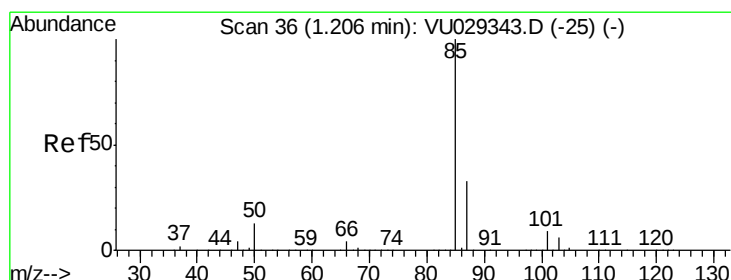
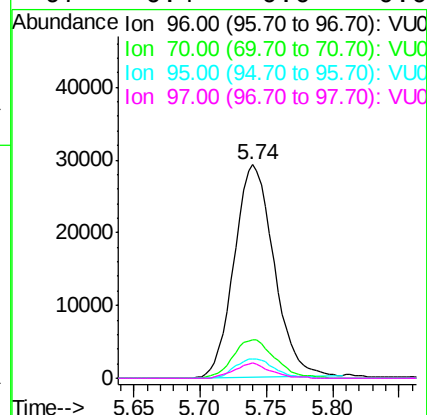
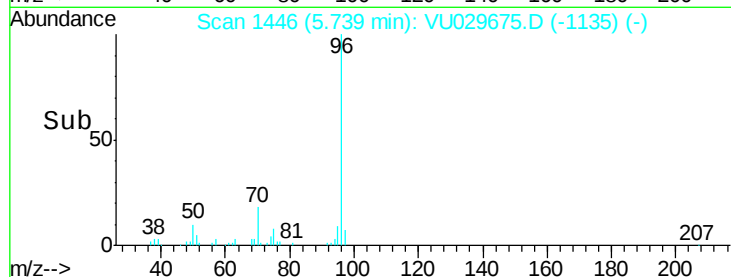
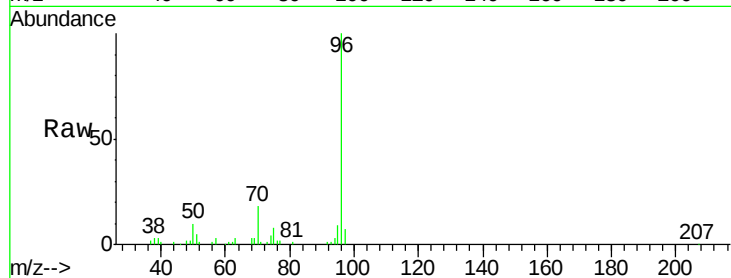
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	96	Resp:	60642
Ion Ratio	Lower	Upper	
96	100		
70	19.2	16.2	24.2
95	9.1	7.4	11.2
97	6.4	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.253 ug/l

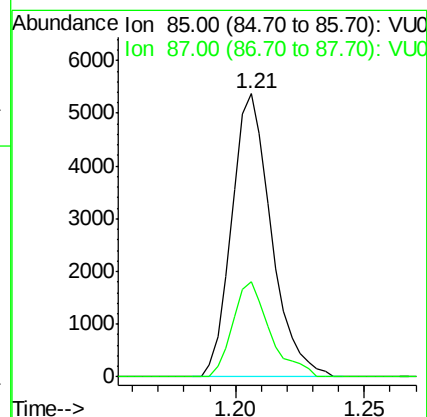
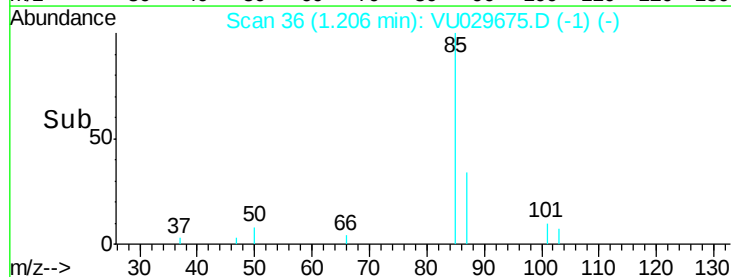
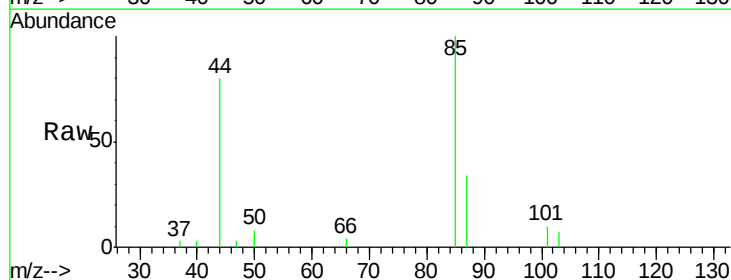
RT: 1.21 min Scan# 36

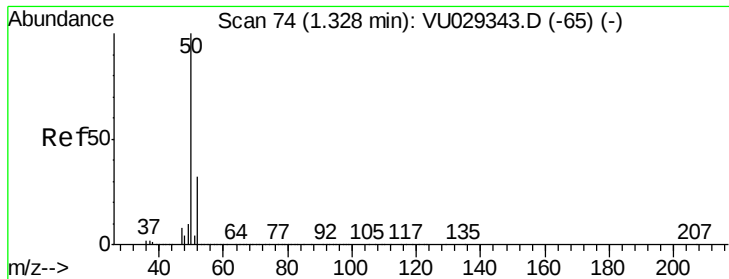
Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Tgt Ion:	85	Resp:	5737
Ion Ratio	Lower	Upper	
85	100		
87	33.6	15.9	47.6





#3

Chloromethane

Concen: 0.243 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 50 Resp: 5032

Ion Ratio Lower Upper

50 100

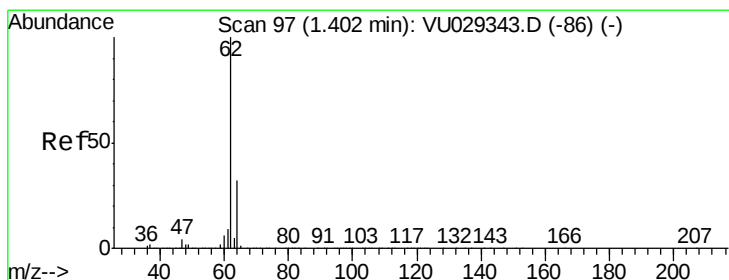
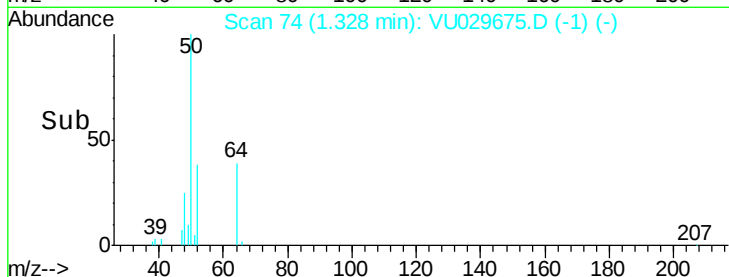
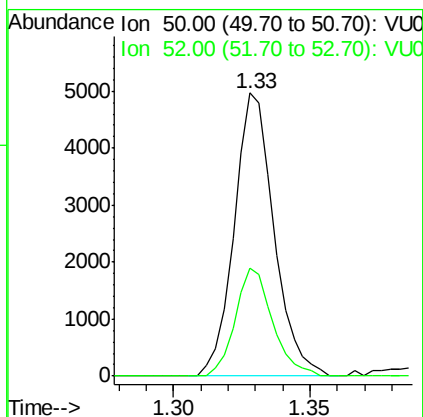
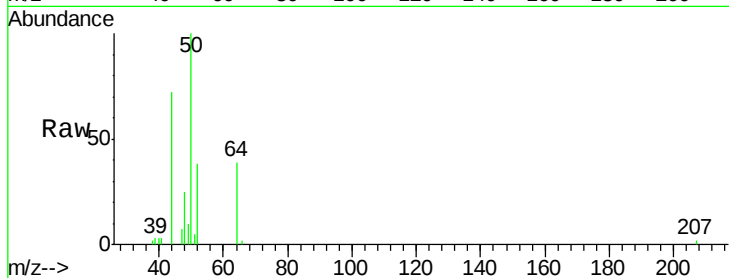
52 38.3 27.3 40.9

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#4

Vinyl Chloride

Concen: 0.242 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029675.D

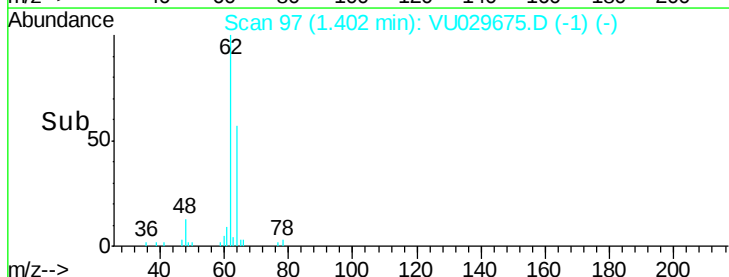
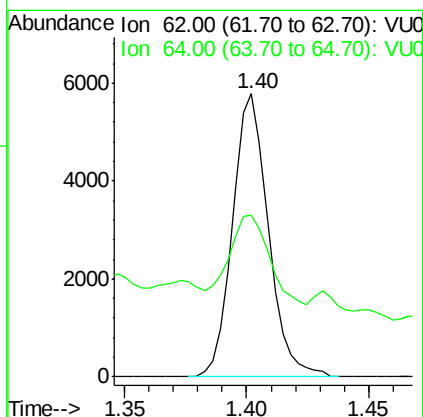
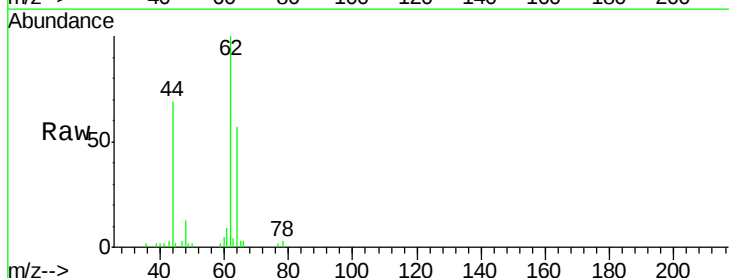
Acq: 26 Feb 2019 12:08

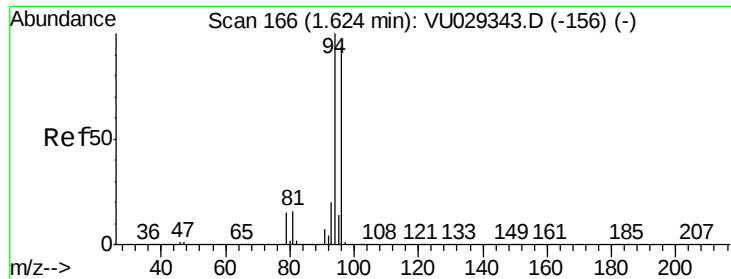
Tgt Ion: 62 Resp: 5872

Ion Ratio Lower Upper

62 100

64 32.2 25.2 37.8





#5

Bromomethane

Concen: 0.291 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 94 Resp: 3919

Ion Ratio Lower Upper

94 100

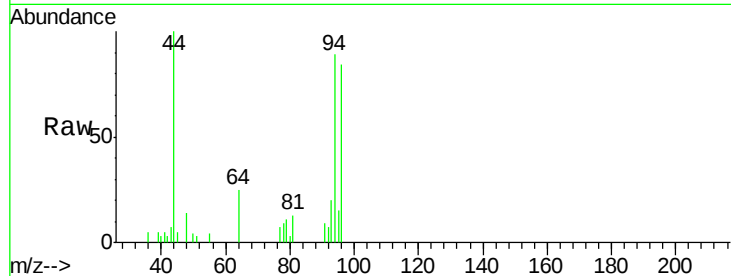
96 94.0 71.7 107.5

Manual Integrations

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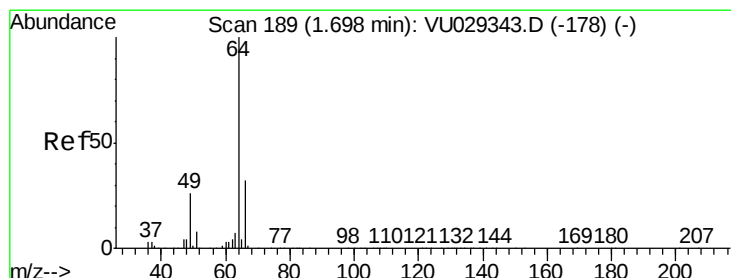
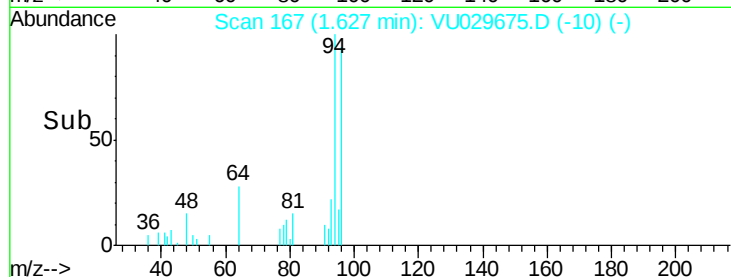
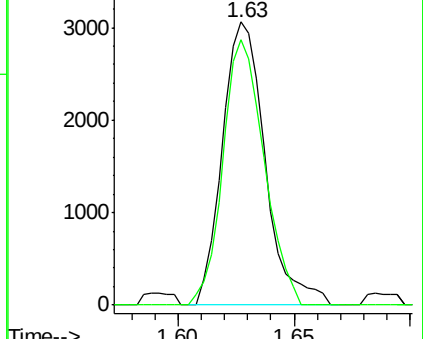
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.275 ug/l

RT: 1.70 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU029675.D

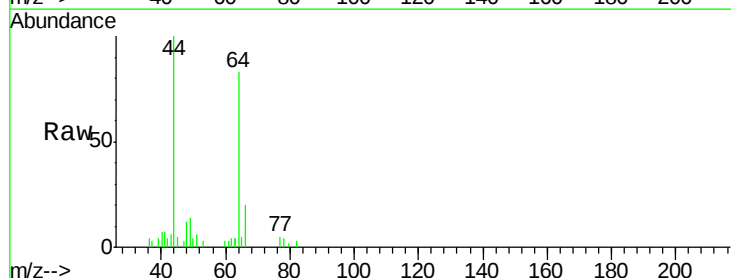
Acq: 26 Feb 2019 12:08

Tgt Ion: 64 Resp: 3891

Ion Ratio Lower Upper

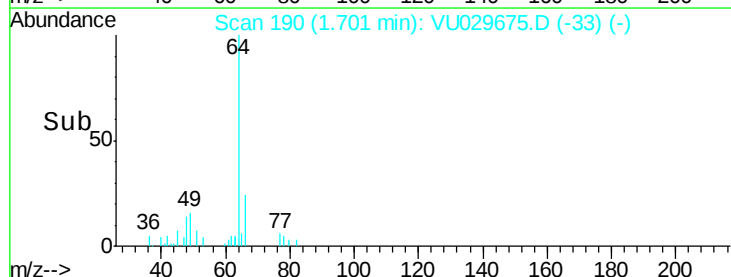
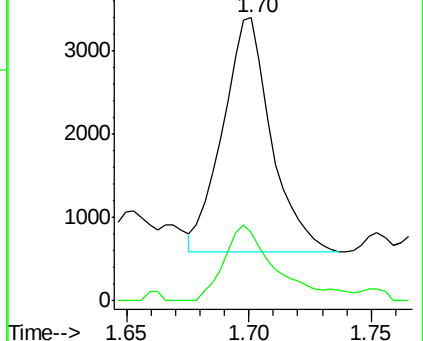
64 100

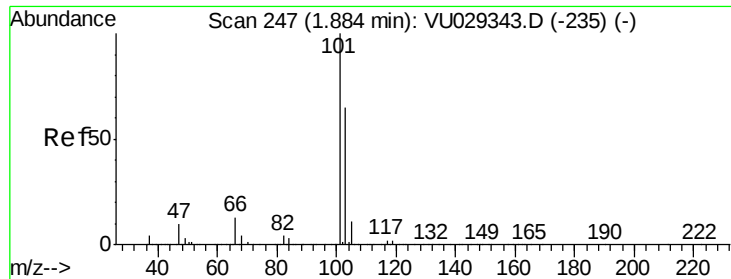
66 29.2 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

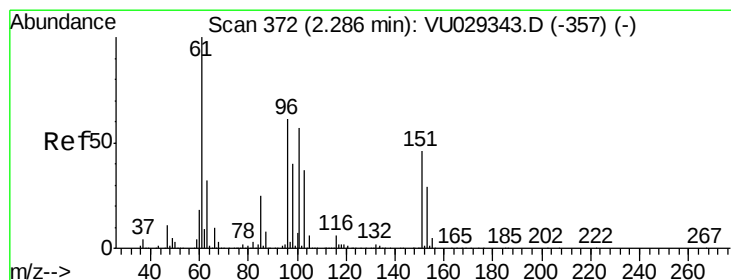
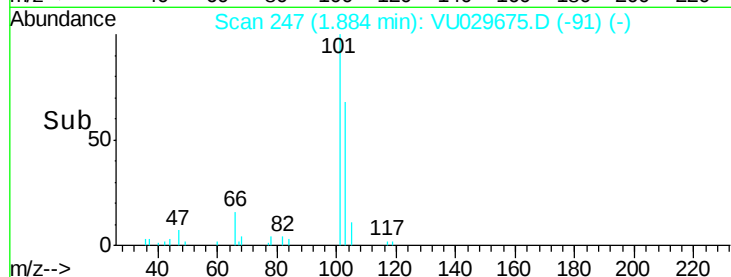
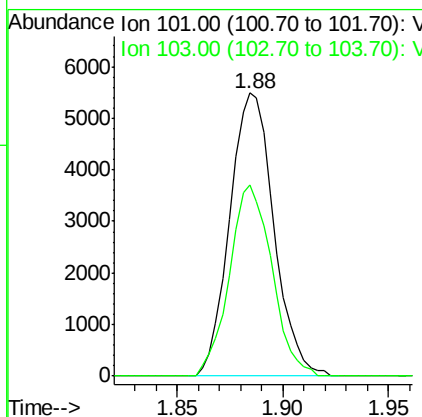
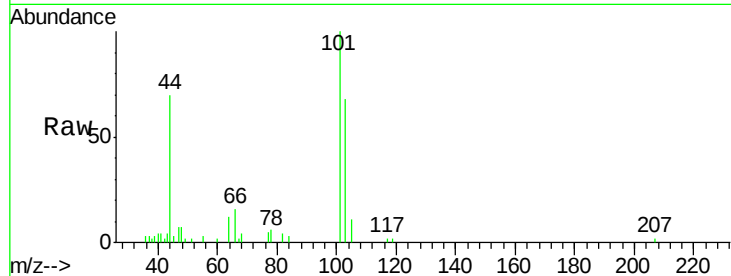
Trichlorofluoromethane
 Concen: 0.235 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU029675.D
 Acq: 26 Feb 2019 12:08

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	53.9	80.9

Manual Integrations
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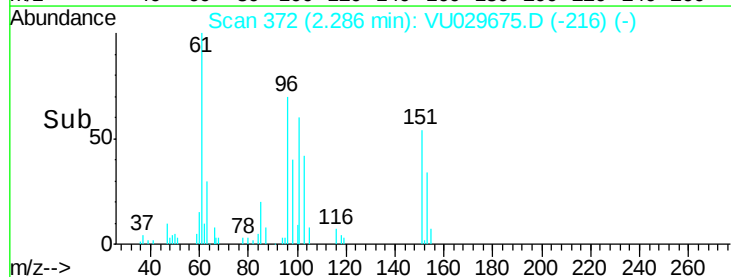
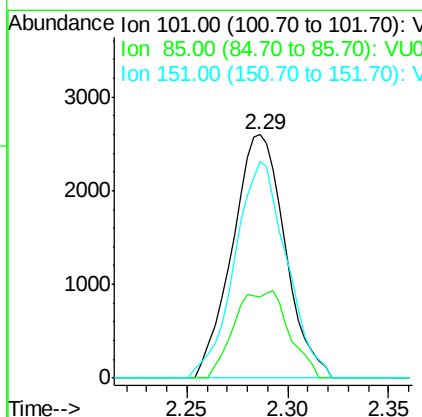
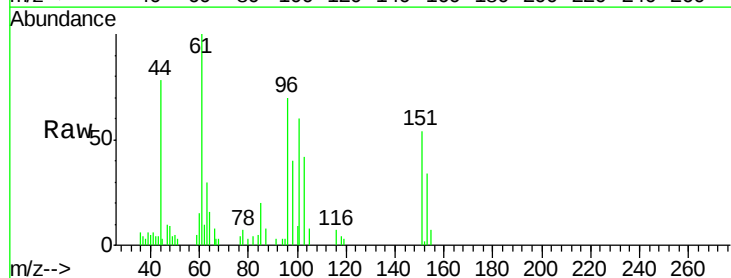
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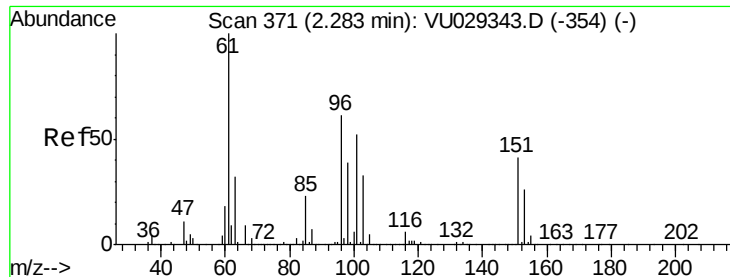


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.265 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029675.D
 Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Lower	Upper
101	100		
85	37.0	40.3	60.5#
151	87.7	58.1	87.1#





#9

1,1-Dichloroethene

Concen: 0.263 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

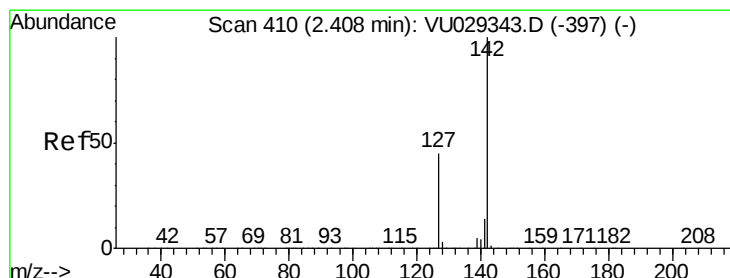
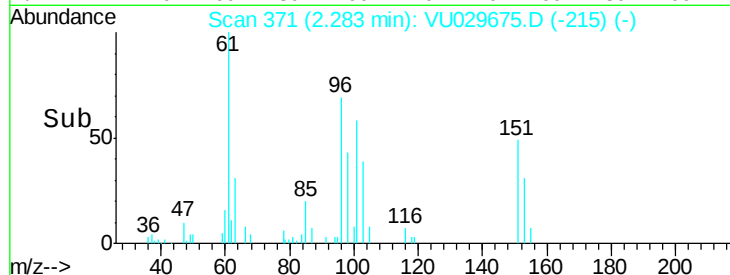
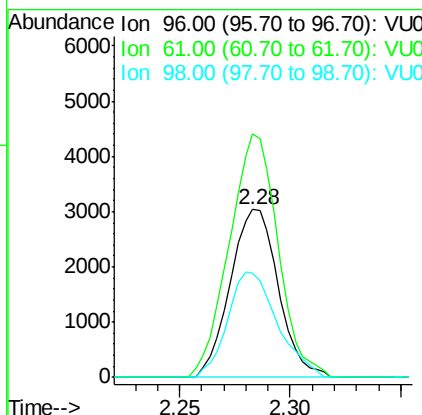
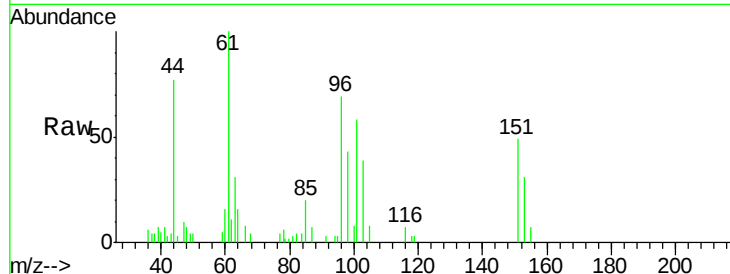
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	96	Resp:	4598
Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	641.4
98	62.3	0.0	122.6

Manual Integrations
APPROVED

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#10

Iodomethane

Concen: 0.381 ug/l

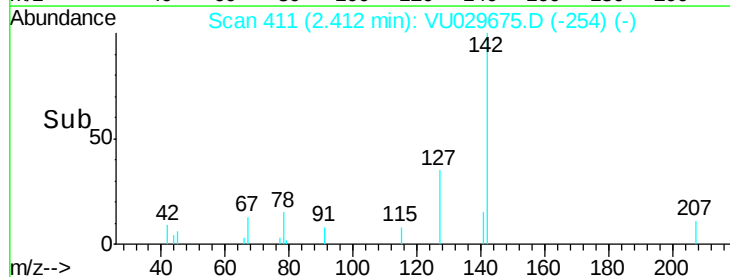
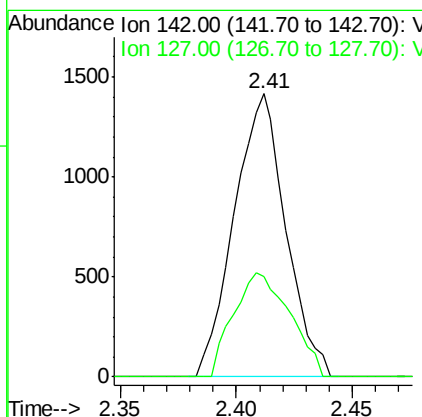
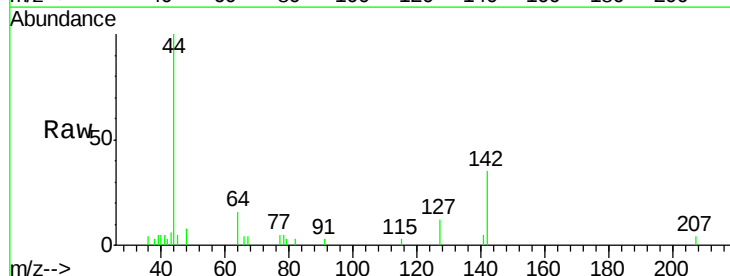
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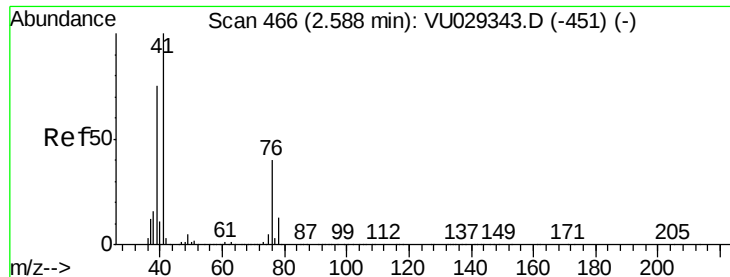
Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Tgt Ion:	142	Resp:	2189
Ion	Ratio	Lower	Upper
142	100		
127	40.4	47.6	71.4#





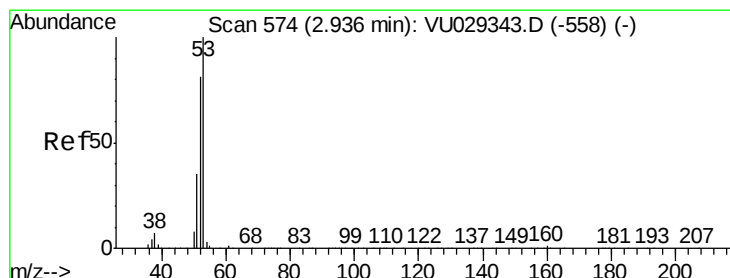
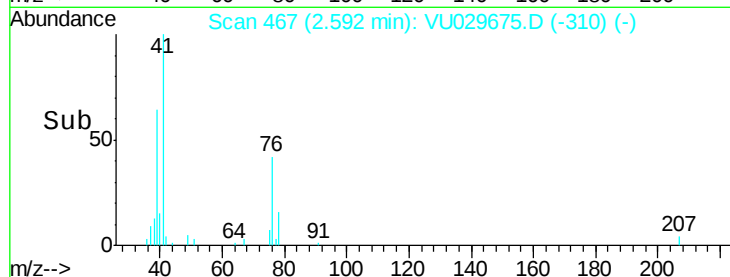
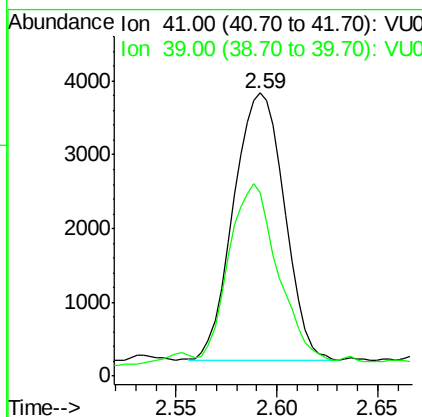
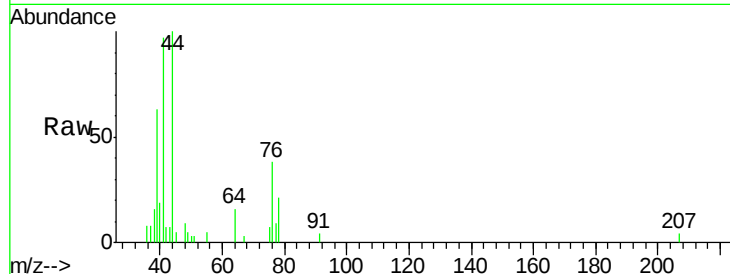
#11
Allvl Chloride
Concen: 0.218 ug/l
RT: 2.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.8	67.2	100.8#

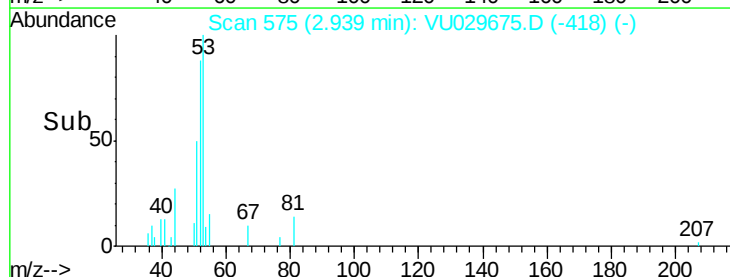
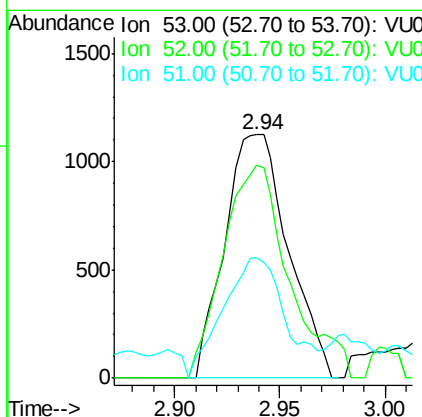
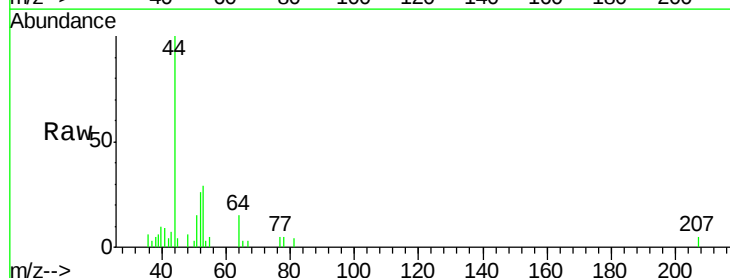
Manual Integrations
APPROVED

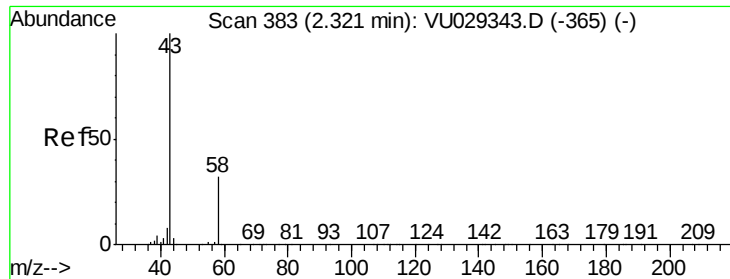
MMDadoda
3/5/2019 9:31:58 AM



#12
Acrylonitrile
Concen: 0.600 ug/l
RT: 2.94 min Scan# 575
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Lower	Upper
53	100		
52	91.0	67.6	101.4
51	48.7	31.0	46.4#





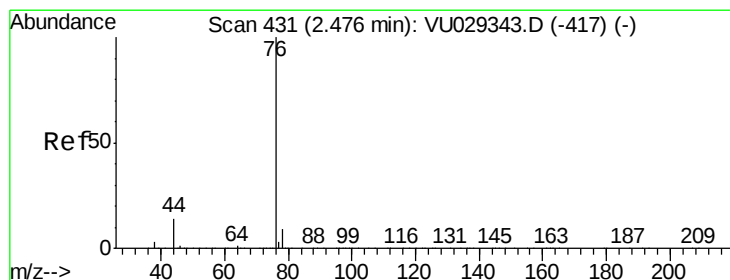
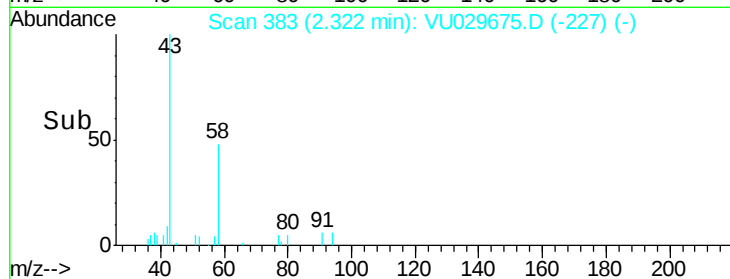
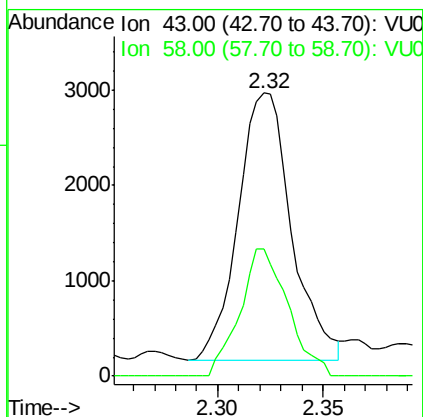
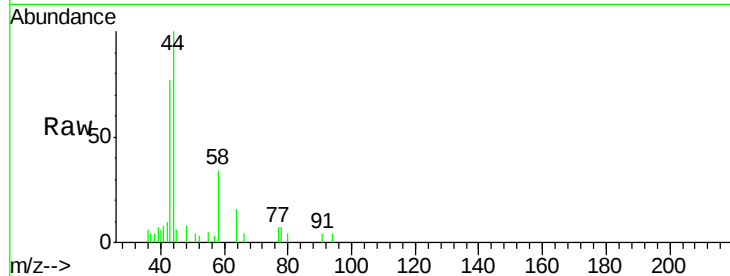
#13
Acetone
Concen: 1.307 ug/l
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

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

Tot Ion: 43 Resp: 4939
Ion Ratio Lower Upper
43 100
58 47.7 19.2 28.8#

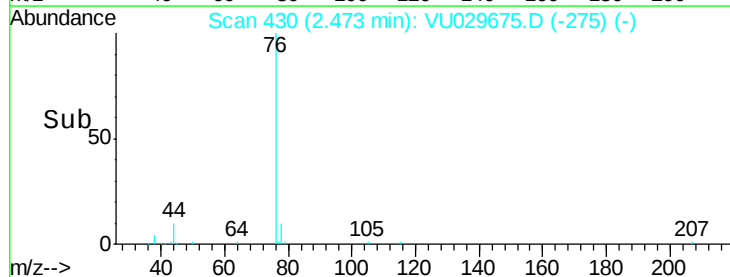
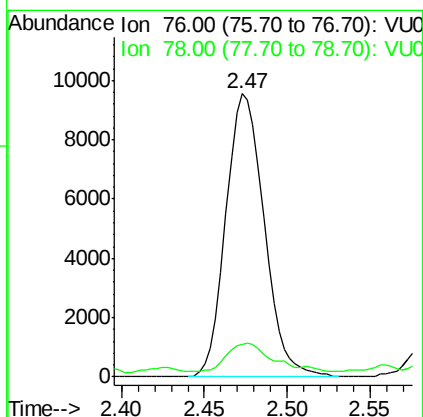
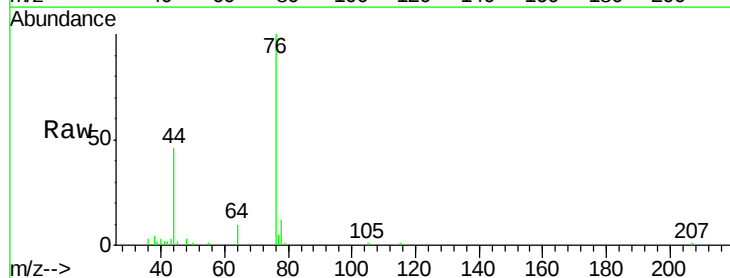
Manual Integrations
APPROVED

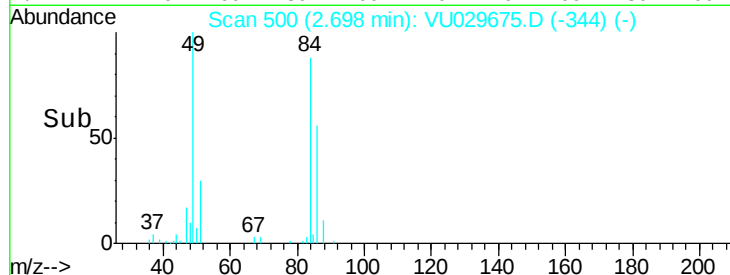
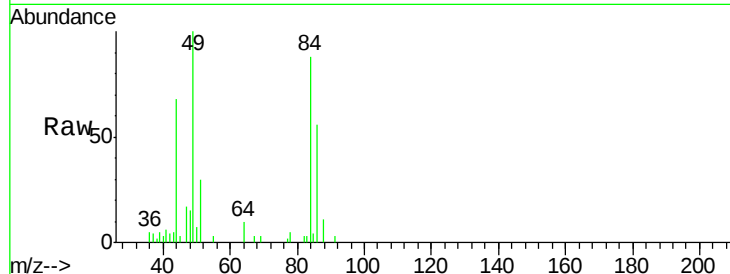
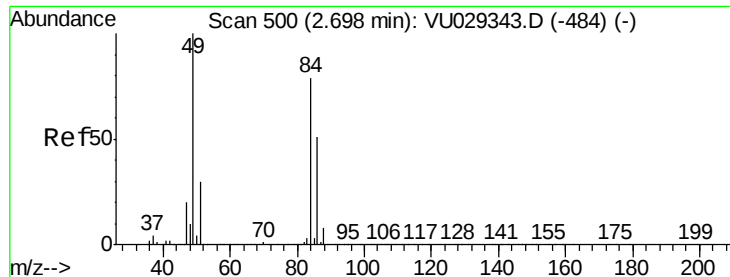
MMDadoda
3/5/2019 9:31:58 AM



#14
Carbon Disulfide
Concen: 0.250 ug/l
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

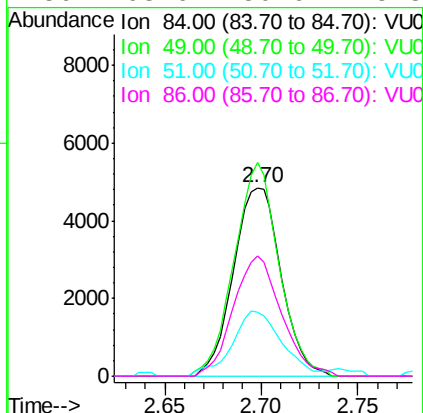
Tgt Ion: 76 Resp: 15414
Ion Ratio Lower Upper
76 100
78 9.8 7.1 10.7





#15
Methvlene Chloride
Concen: 0.392 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

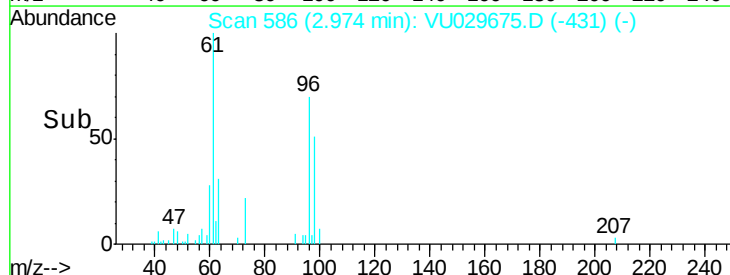
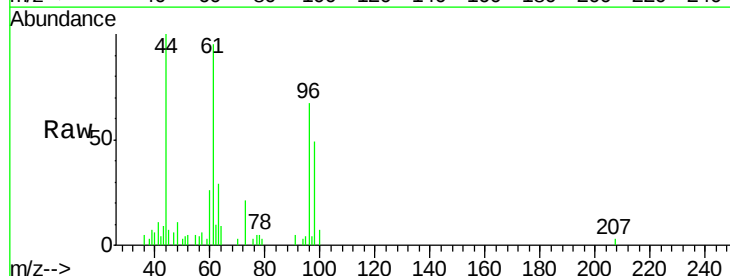
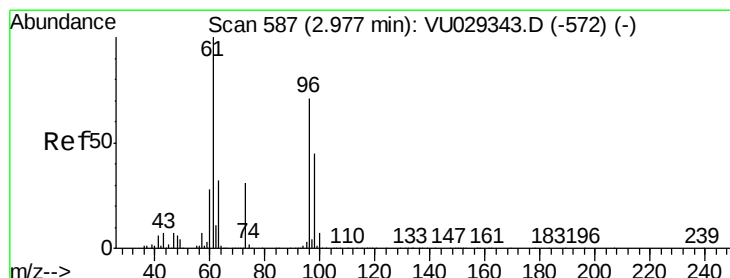
Tot Ion	Ratio	Lower	Upper
84	100		
49	113.3	127.0	190.6#
51	34.0	0.0	93.4
86	63.6	50.6	75.8



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

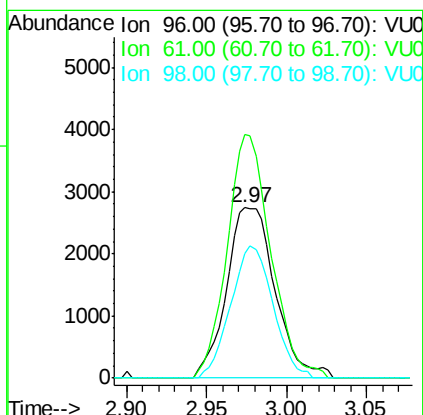
Manual Integrations
APPROVED

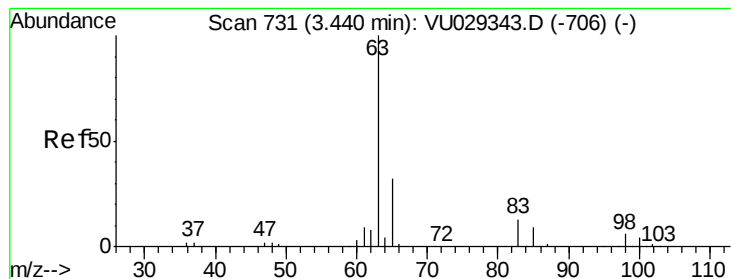
MMDadoda
3/5/2019 9:31:58 AM



#16
trans-1,2-Dichloroethene
Concen: 0.291 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.0	140.6	210.8
98	73.1	49.3	73.9





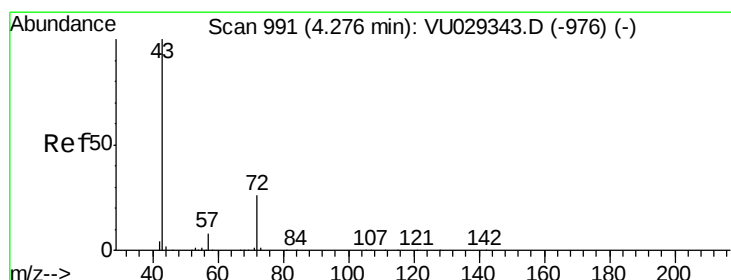
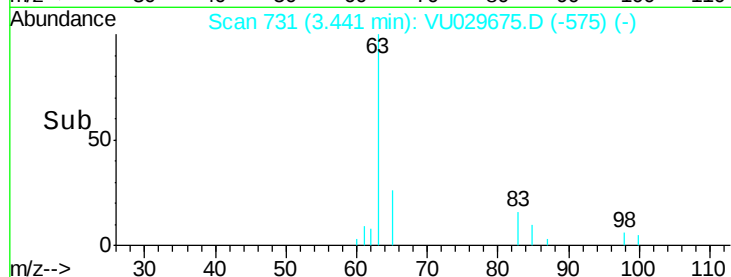
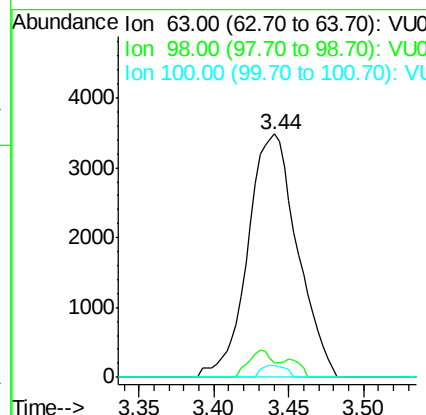
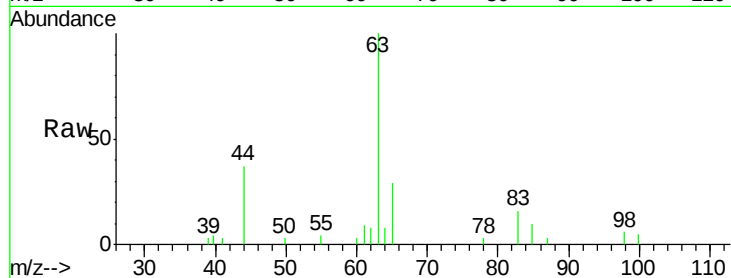
#17
 1,1-Dichloroethane
 Concen: 0.258 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029675.D
 Acq: 26 Feb 2019 12:08

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

Tot Ion	Ratio	Resp	Lower	Upper
63	100	8005		
98	6.2		2.9	8.8
100	4.7		1.7	5.1

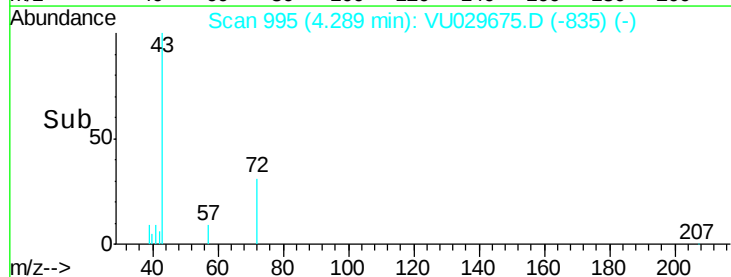
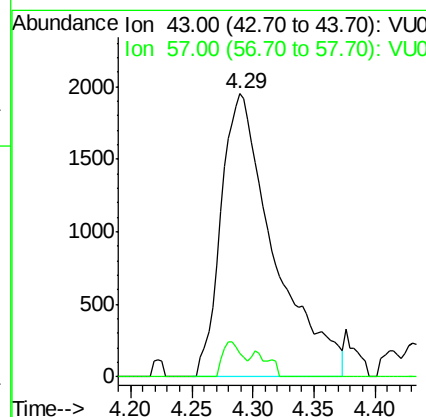
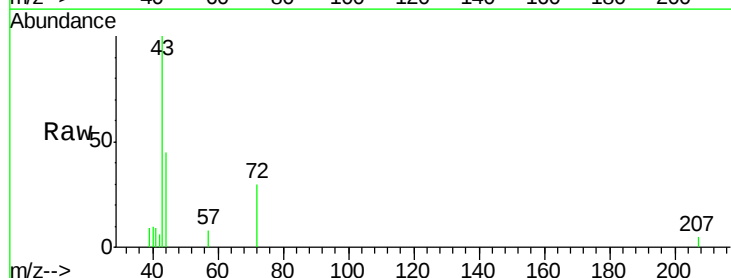
Manual Integrations
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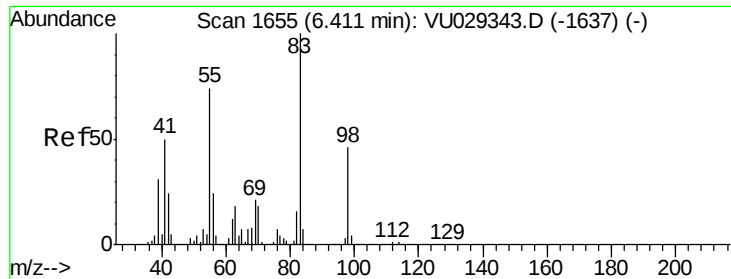
MMDadoda
 3/5/2019 9:31:58 AM



#18
 2-Butanone
 Concen: 1.392 ug/l
 RT: 4.29 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VU029675.D
 Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	5880		
57	8.2		0.0	15.8





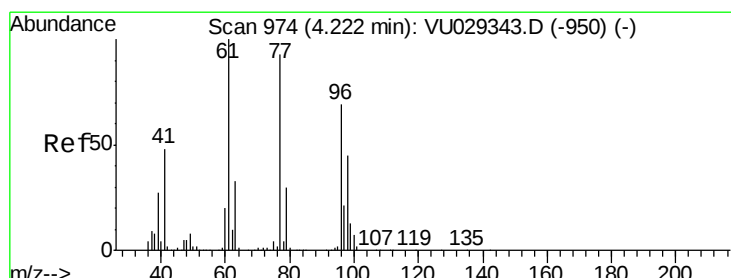
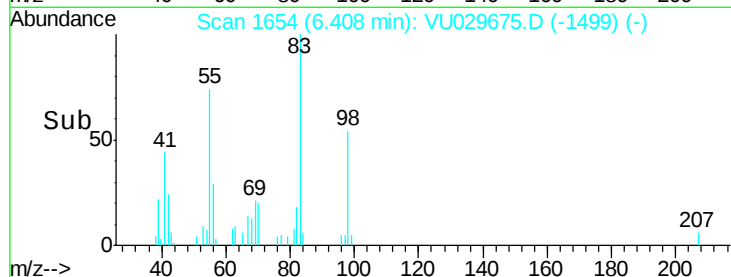
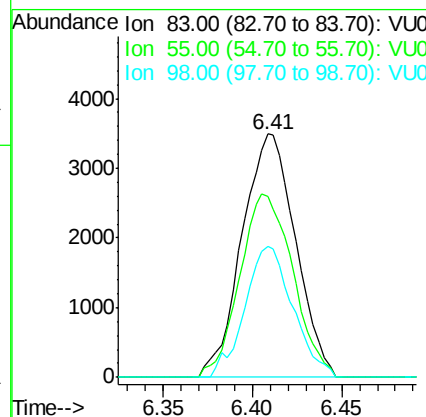
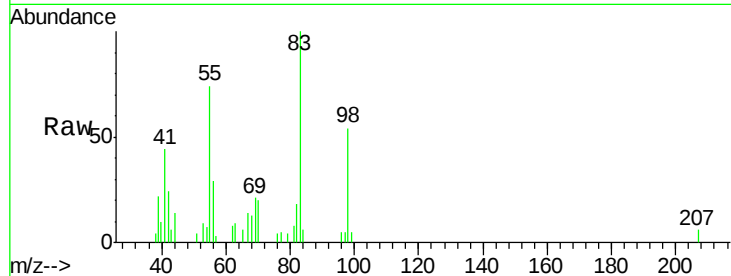
#20
Methvlcvclohexane
Concen: 0.242 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

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

Tot Ion	83	Resp	7291
Ion	Ratio	Lower	Upper
83	100		
55	74.7	72.4	108.6
98	48.3	36.6	54.8

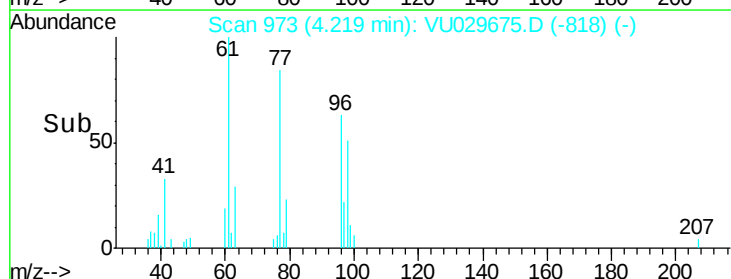
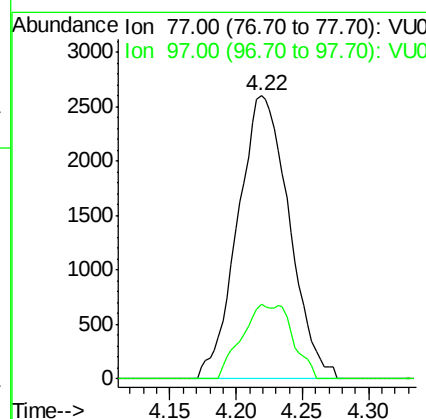
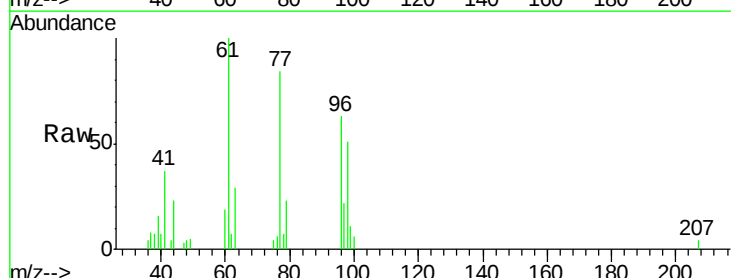
Manual Integrations
APPROVED

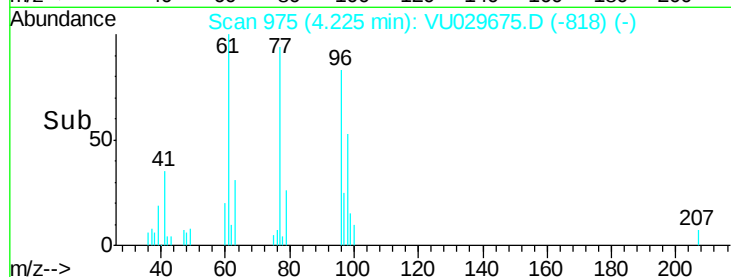
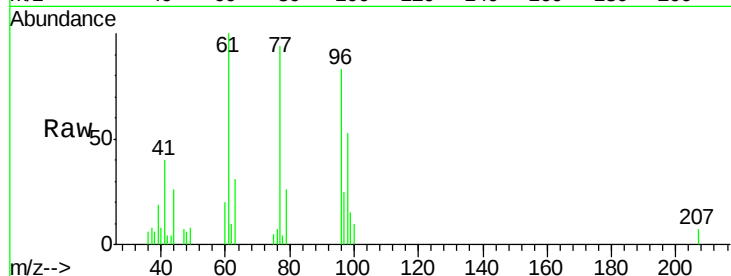
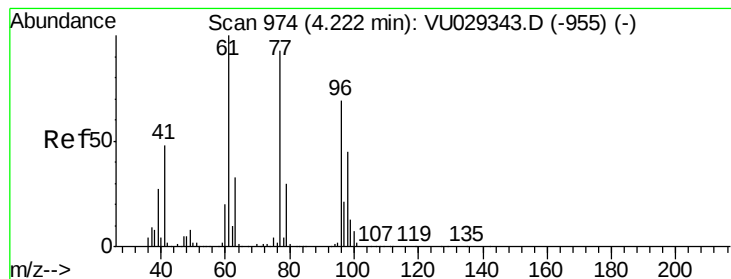
MMDadoda
3/5/2019 9:31:58 AM



#21
2,2-Dichloropropane
Concen: 0.244 ug/l
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

Tgt Ion	77	Resp	7011
Ion	Ratio	Lower	Upper
77	100		
97	14.7	15.6	23.4#





#22

cis-1,2-Dichloroethene

Concen: 0.287 ug/l

RT: 4.23 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Tot Ion:	96	Resp:	5289
Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	460.0
98	72.8	32.6	97.7

Instrument :

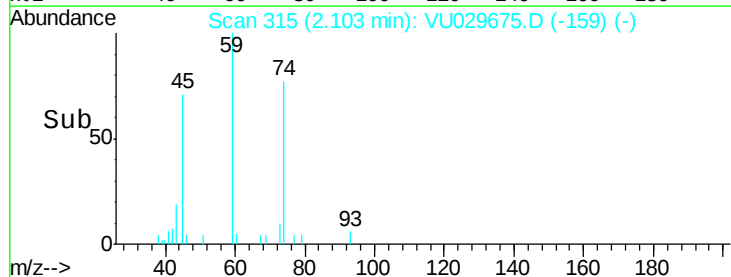
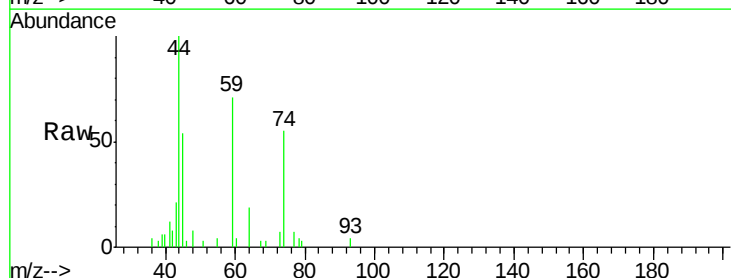
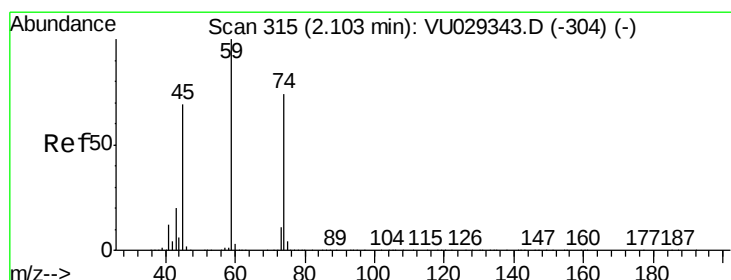
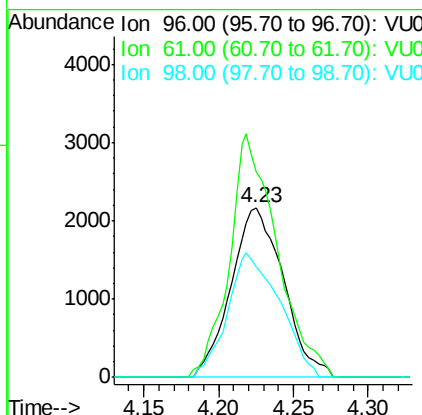
MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Manual Integrations
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3/5/2019 9:31:58 AM



#23

Diethyl Ether

Concen: 0.262 ug/l

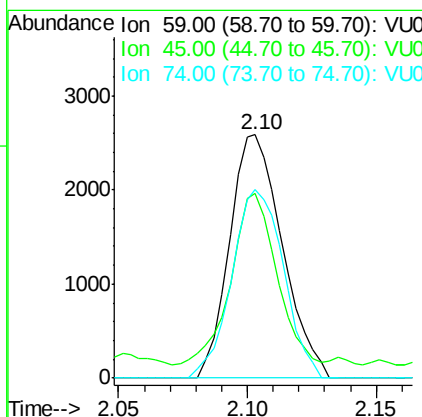
RT: 2.10 min Scan# 315

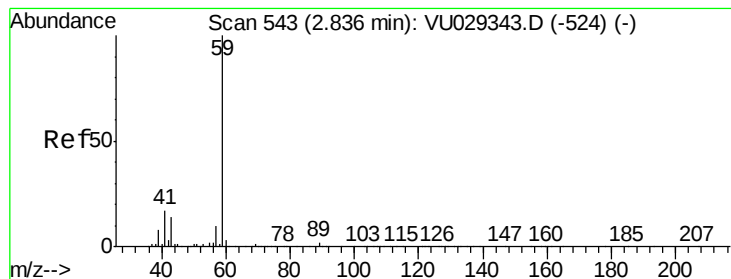
Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Tgt Ion:	59	Resp:	3684
Ion	Ratio	Lower	Upper
59	100		
45	61.5	64.2	96.4#
74	76.1	55.3	82.9





#24

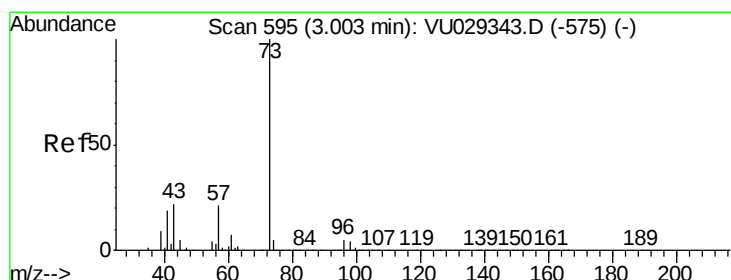
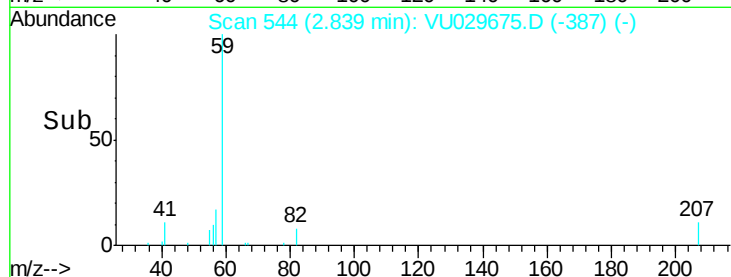
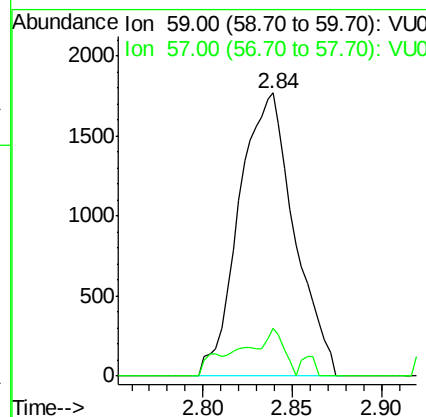
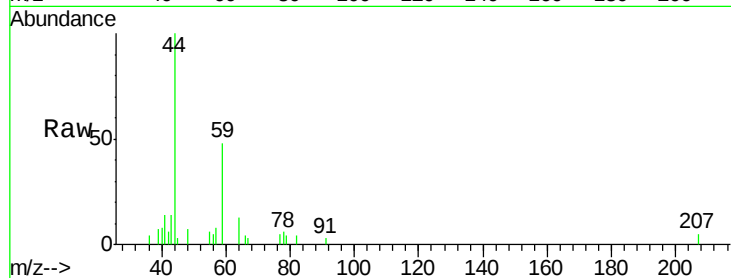
tert-Butyl Alcohol
Concen: 2.618 ug/l
RT: 2.84 min Scan# 544
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

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

Tot Ion	Ratio	Resp	Lower	Upper
59	100	3822		
57	6.3		8.8	13.2#

Manual Integrations
APPROVED

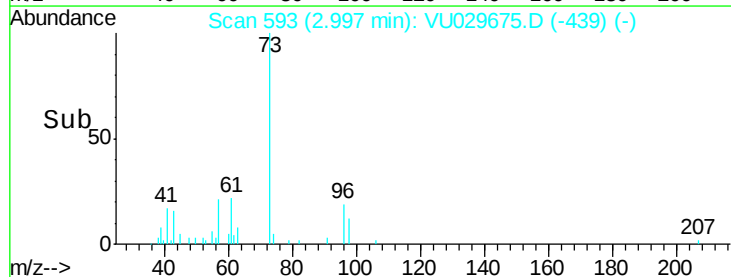
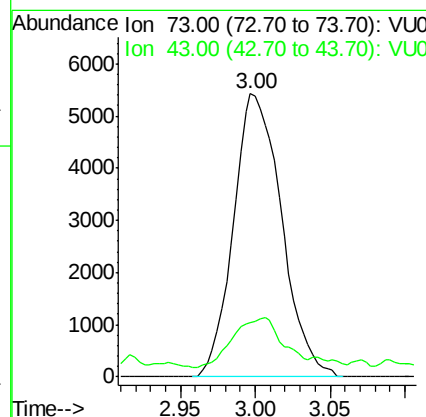
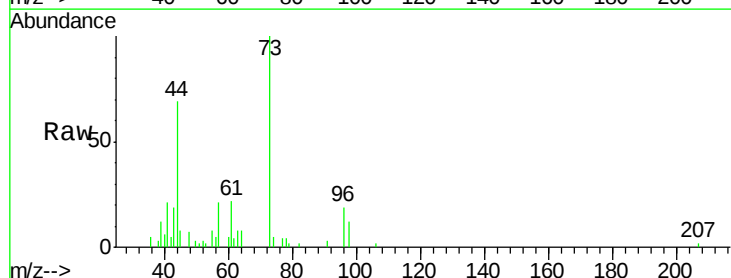
MMDadoda
3/5/2019 9:31:58 AM

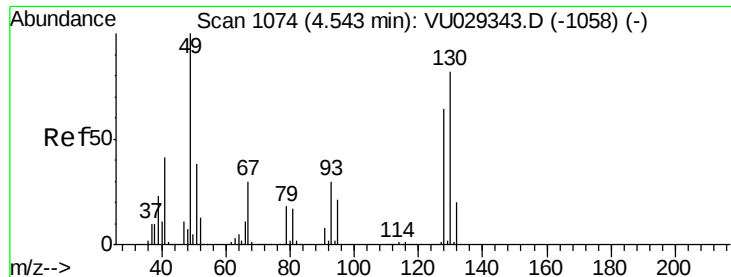


#25

Methyl tert-Butyl Ether
Concen: 0.247 ug/l
RT: 3.00 min Scan# 593
Delta R.T. -0.01 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
73	100	12158		
43	17.7		22.1	33.1#





#26

Bromochloromethane

Concen: 0.284 ug/l

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:128 Resp: 2308

Ion Ratio Lower Upper

128 100

49 129.5 0.0 401.6

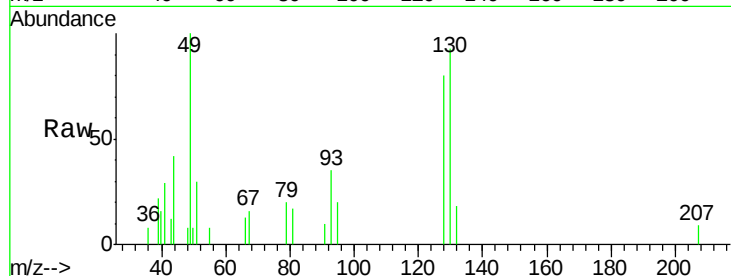
130 113.7 108.0 162.0

Manual Integrations

APPROVED

MMDadoda

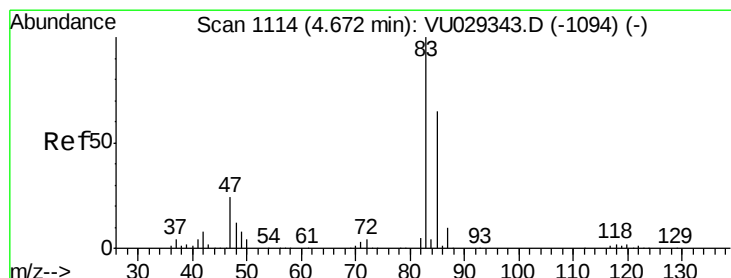
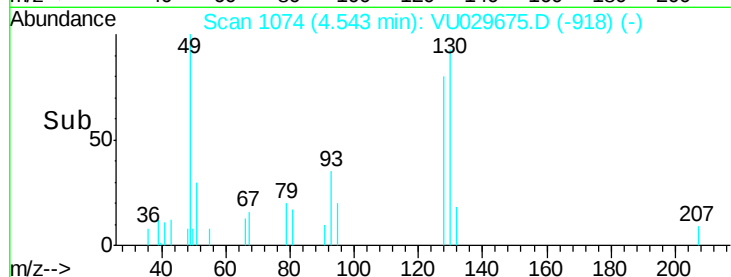
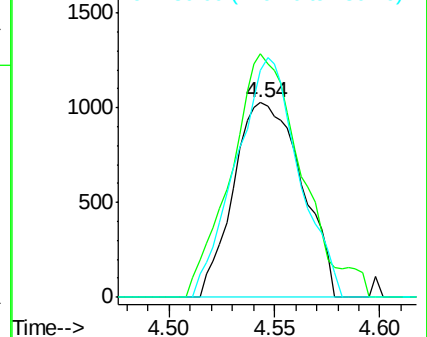
3/5/2019 9:31:58 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V



#27

Chloroform

Concen: 0.252 ug/l

RT: 4.68 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VU029675.D

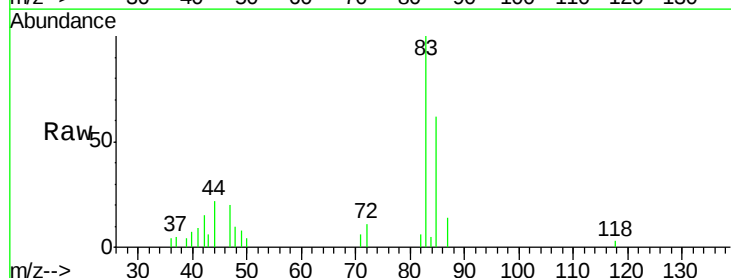
Acq: 26 Feb 2019 12:08

Tgt Ion: 83 Resp: 7593

Ion Ratio Lower Upper

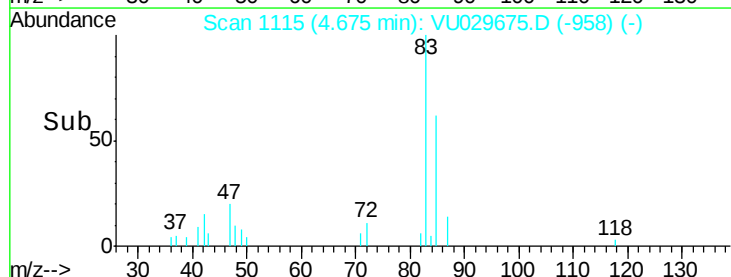
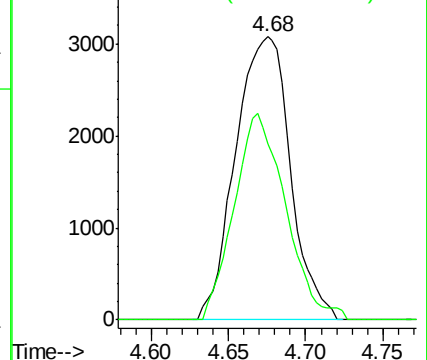
83 100

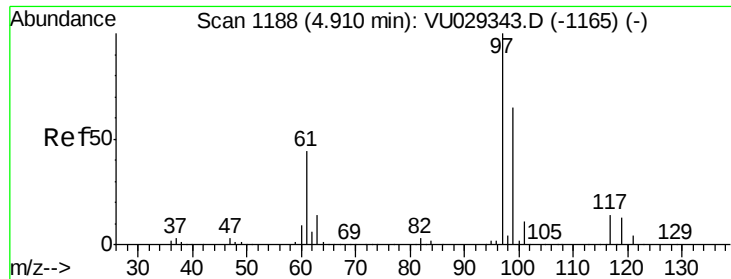
85 62.2 0.0 126.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





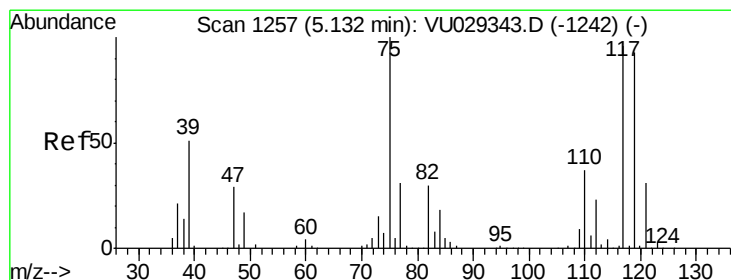
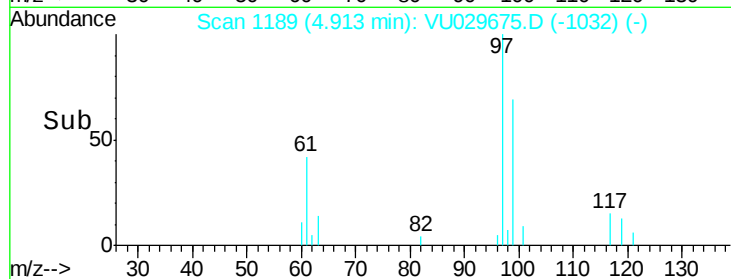
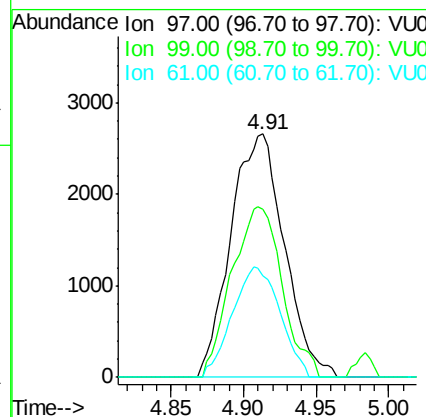
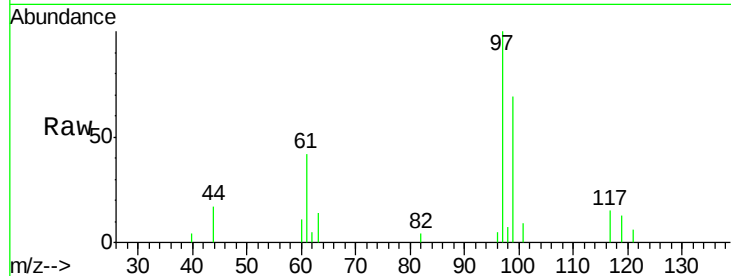
#28
 1,1,1-Trichloroethane
 Concen: 0.244 ug/l
 RT: 4.91 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VU029675.D
 Acq: 26 Feb 2019 12:08

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

Tot Ion	Ratio	Lower	Upper
97	100		
99	66.0	32.4	97.2
61	40.4	24.4	73.2

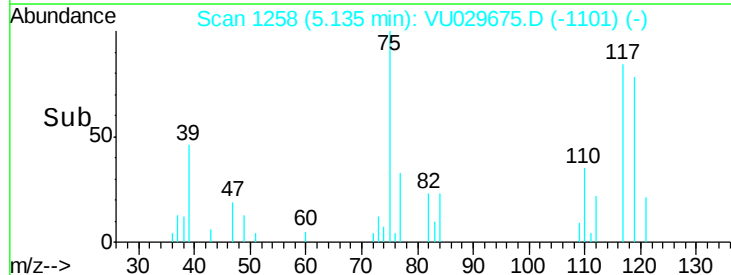
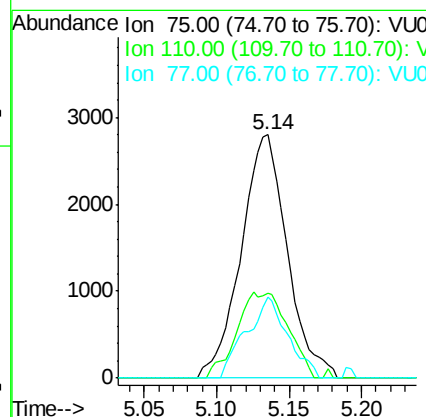
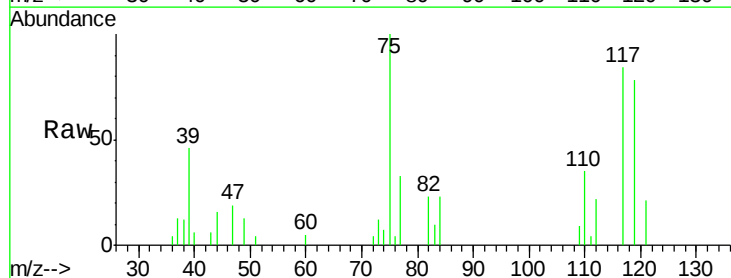
Manual Integrations
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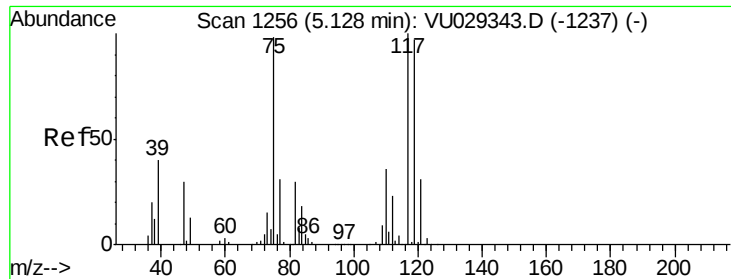
MMDadoda
 3/5/2019 9:31:58 AM



#29
 1,1-Dichloropropene
 Concen: 0.255 ug/l
 RT: 5.14 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VU029675.D
 Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	17.9	15.4	46.2
77	29.9	24.1	36.1





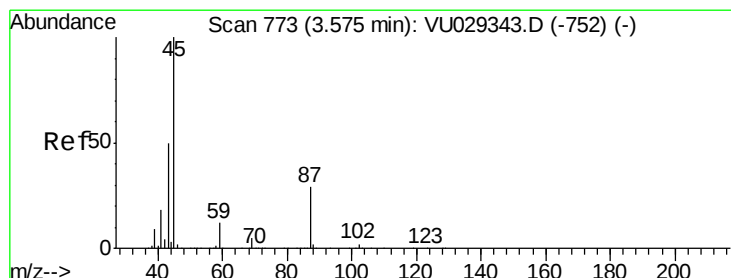
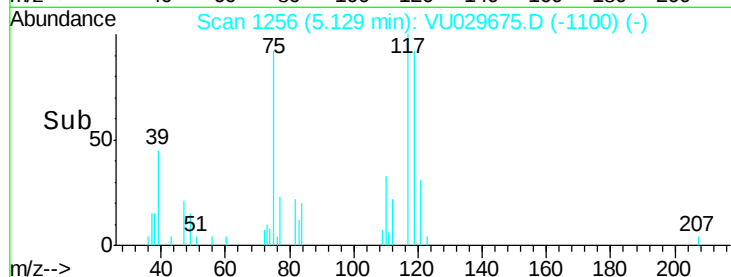
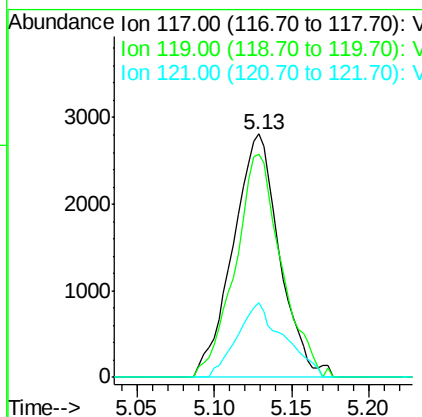
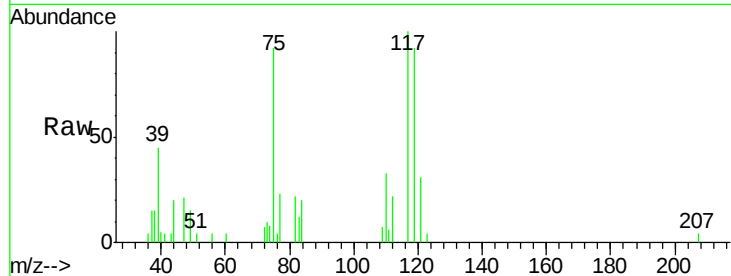
#30
Carbon Tetrachloride
Concen: 0.233 ug/l
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

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

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.9	76.8	115.2
121	30.6	24.4	36.6

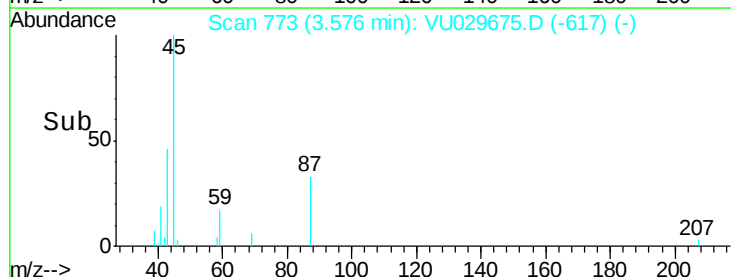
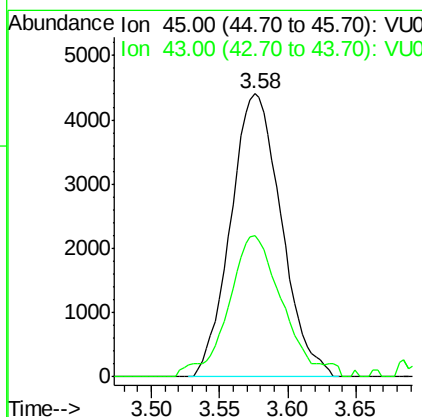
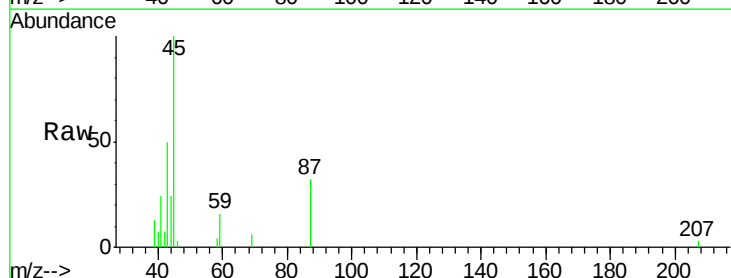
Manual Integrations
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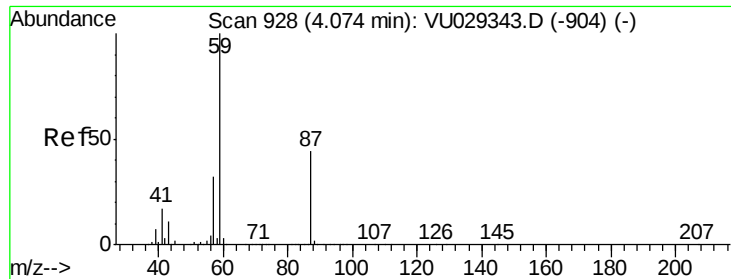
MMDadoda
3/5/2019 9:31:58 AM



#31
Isopropyl Ether
Concen: 0.243 ug/l
RT: 3.58 min Scan# 773
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.3	28.4	85.3





#32

Ethyl-t-butyl ether

Concen: 0.258 ug/l

RT: 4.08 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 59 Resp: 12074

Ion Ratio Lower Upper

59 100

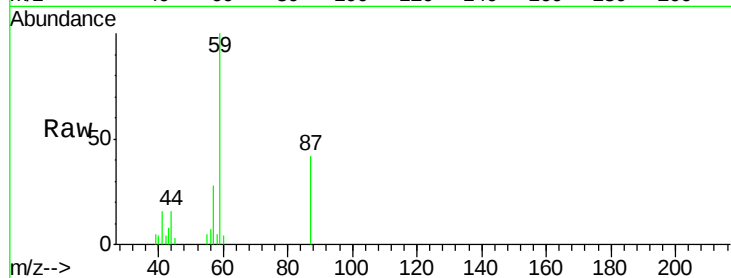
87 44.3 31.1 46.7

Manual Integrations

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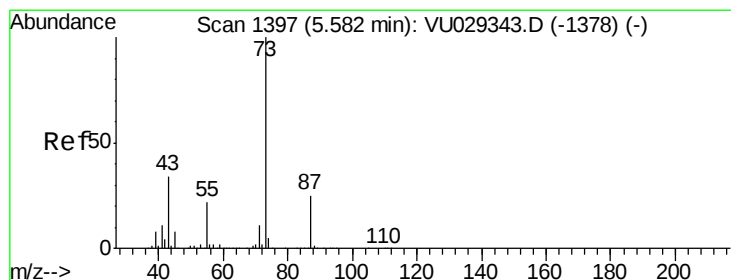
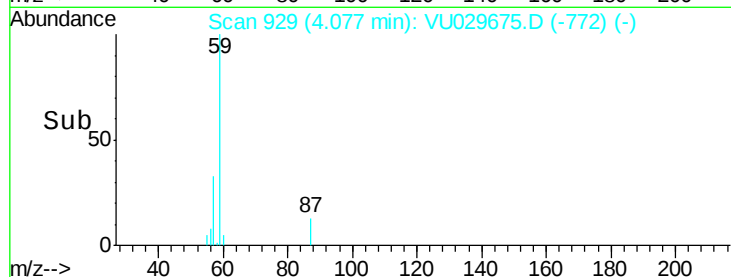
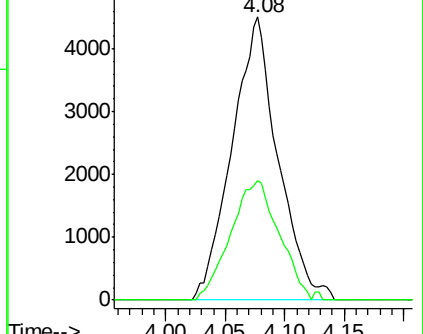
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VU029343.D (-904) (-)

Ion 87.00 (86.70 to 87.70): VU029343.D (-904) (-)



#33

Tert-Amyl methyl ether

Concen: 0.252 ug/l

RT: 5.58 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

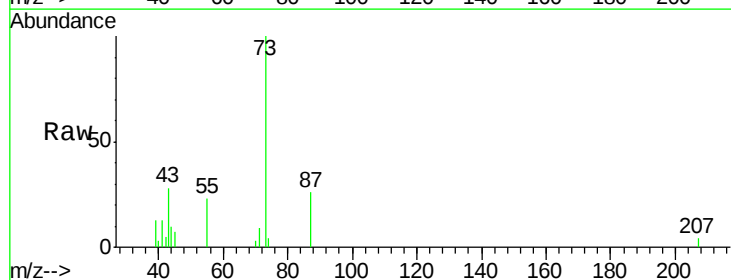
Tgt Ion: 73 Resp: 10702

Ion Ratio Lower Upper

73 100

87 27.1 19.4 29.0

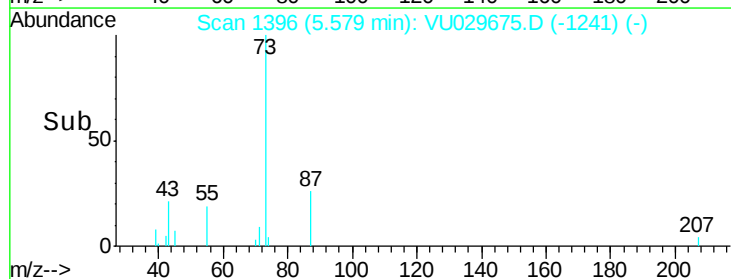
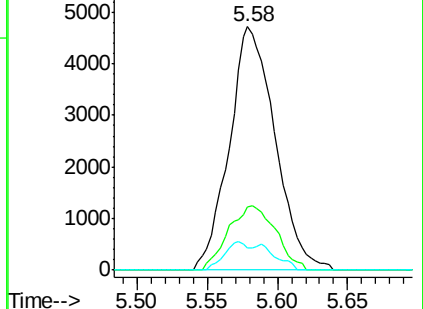
71 6.6 9.0 13.4#

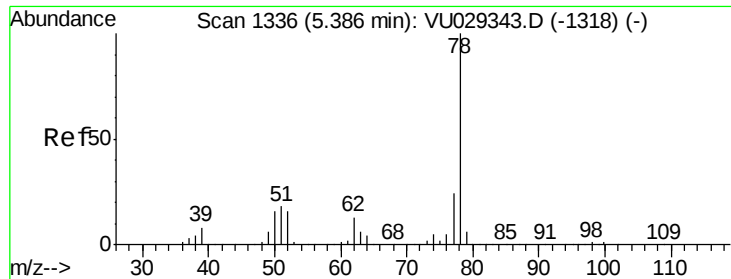


Abundance Ion 73.00 (72.70 to 73.70): VU029343.D (-1378) (-)

Ion 87.00 (86.70 to 87.70): VU029343.D (-1378) (-)

Ion 71.00 (70.70 to 71.70): VU029343.D (-1378) (-)





#35

Benzene

Concen: 0.268 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 78 Resp: 17991

Ion Ratio Lower Upper

78 100

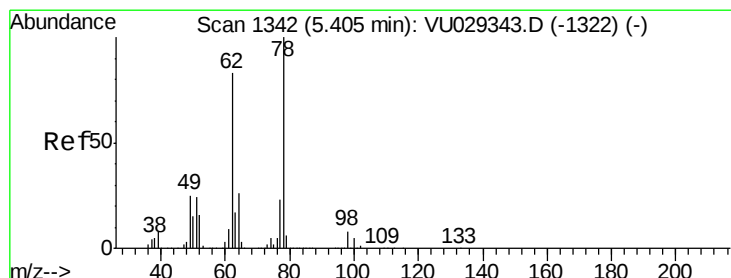
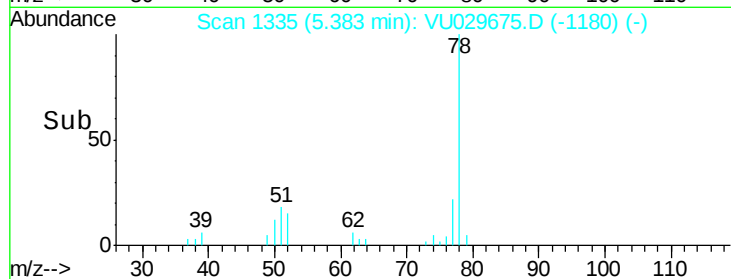
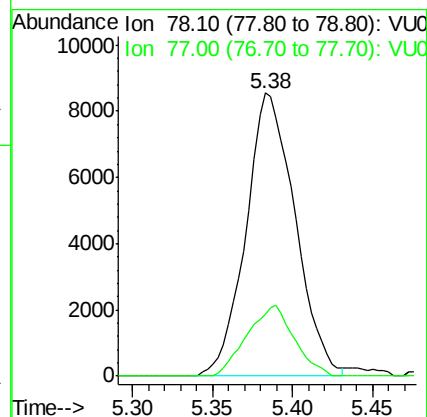
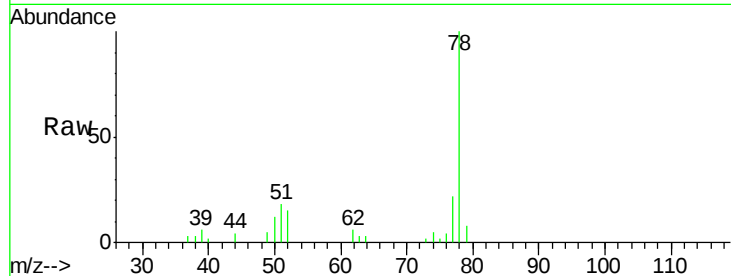
77 22.1 19.8 29.8

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 0.261 ug/l

RT: 5.41 min Scan# 1343

Delta R.T. 0.00 min

Lab File: VU029675.D

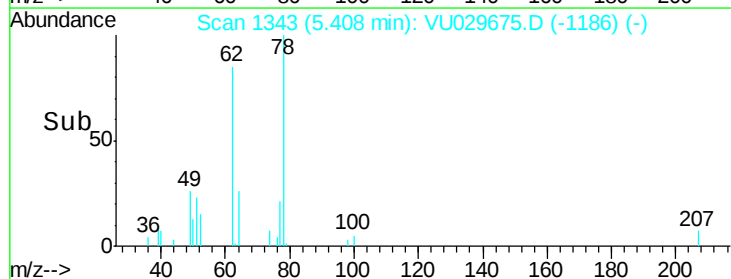
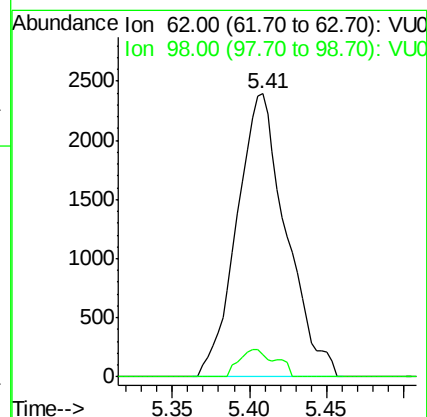
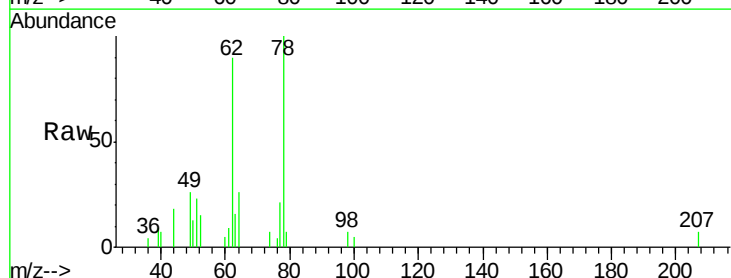
Acq: 26 Feb 2019 12:08

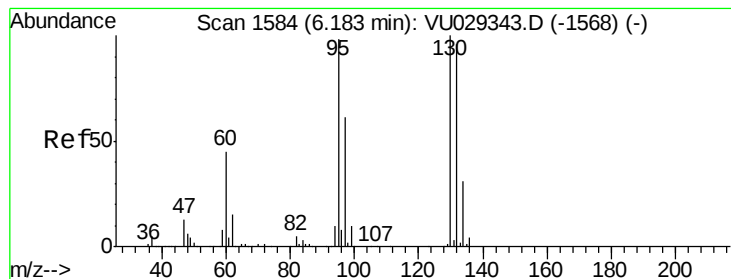
Tgt Ion: 62 Resp: 5303

Ion Ratio Lower Upper

62 100

98 7.0 4.9 7.3





#37

Trichloroethene

Concen: 0.287 ug/l

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:130 Resp: 5519

Ion Ratio Lower Upper

130 100

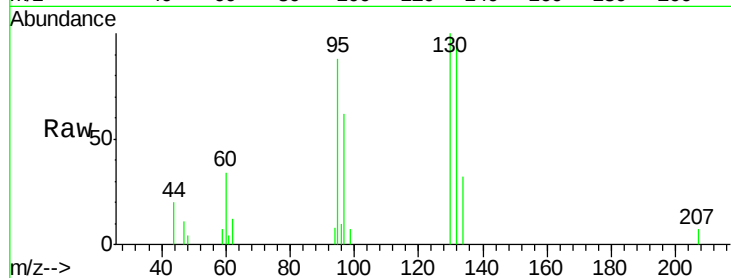
95 88.0 85.4 128.0

Manual Integrations

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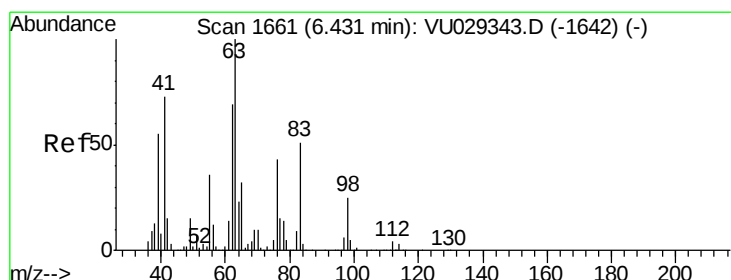
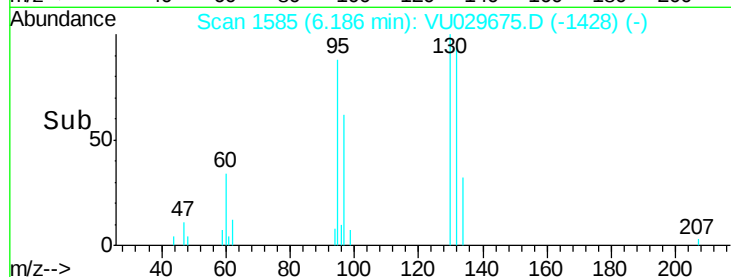
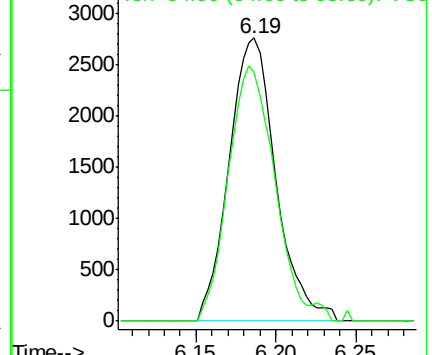
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0



#38

1,2-Dichloropropane

Concen: 0.239 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029675.D

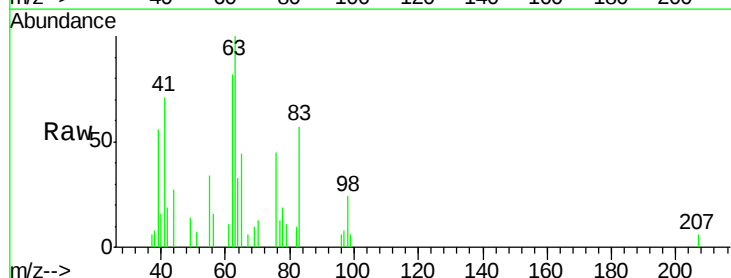
Acq: 26 Feb 2019 12:08

Tgt Ion: 63 Resp: 4176

Ion Ratio Lower Upper

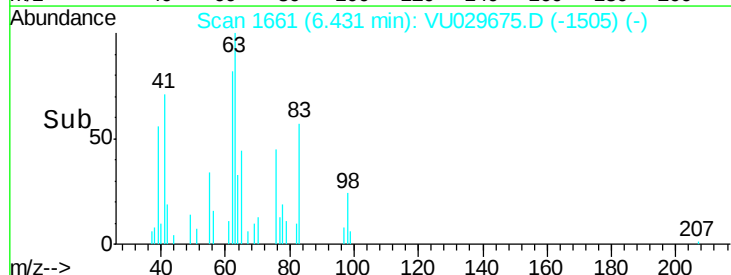
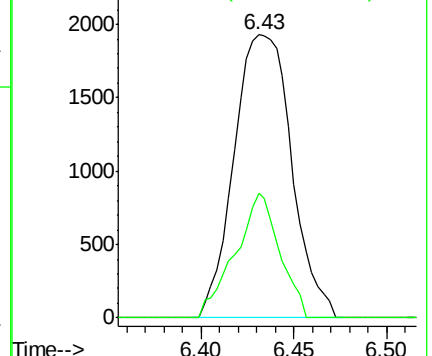
63 100

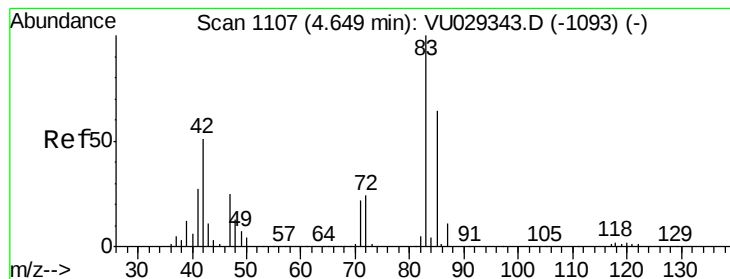
65 44.2 25.5 38.3#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0





#41

Tetrahydrofuran

Concen: 0.478 ug/l m

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

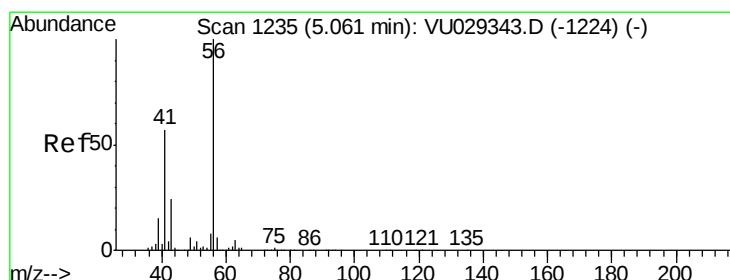
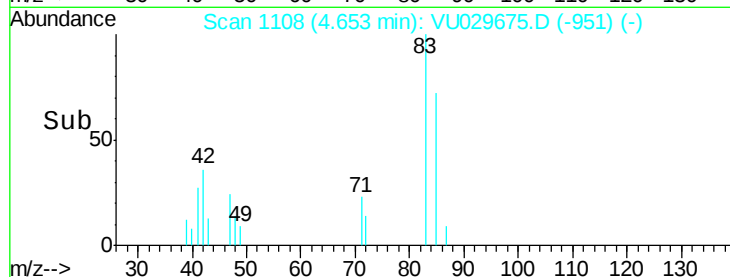
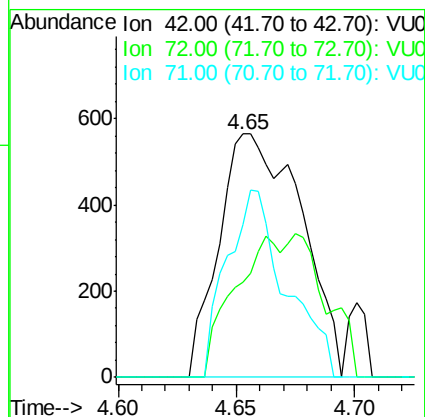
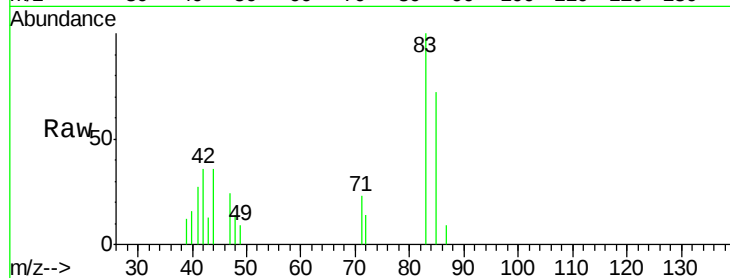
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	42	Resp:	1369
Ion	Ratio	Lower	Upper
42	100		
72	33.2	33.1	49.7
71	55.0	30.2	45.2#

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#42

1-Chlorobutane

Concen: 0.255 ug/l

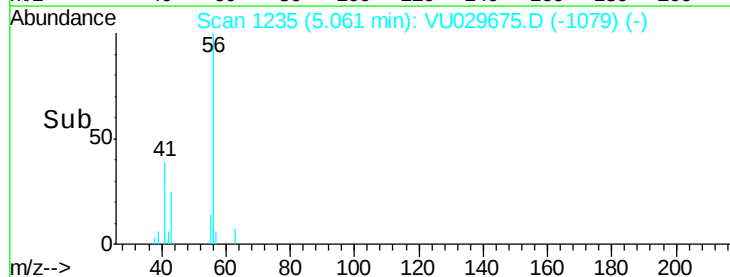
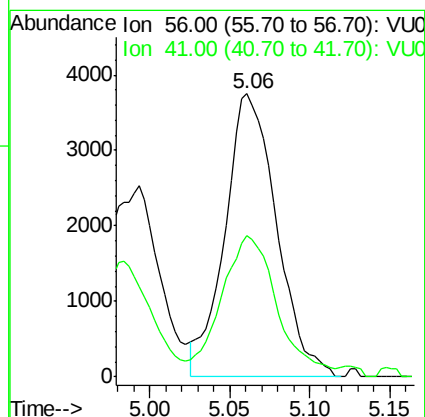
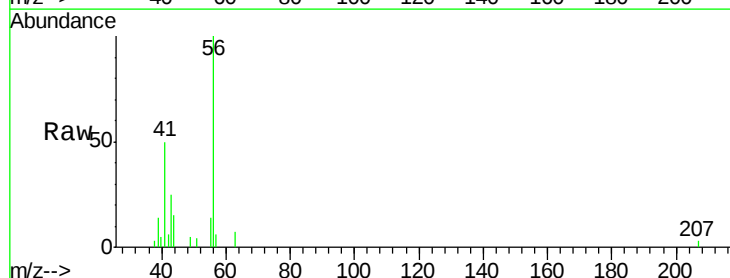
RT: 5.06 min Scan# 1235

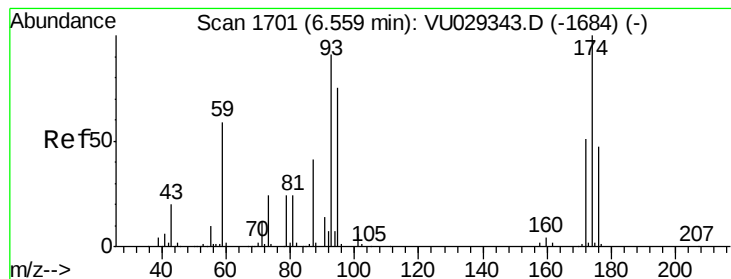
Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Tgt Ion:	56	Resp:	8289
Ion	Ratio	Lower	Upper
56	100		
41	49.0	31.3	93.8





#43

Dibromomethane

Concen: 0.249 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

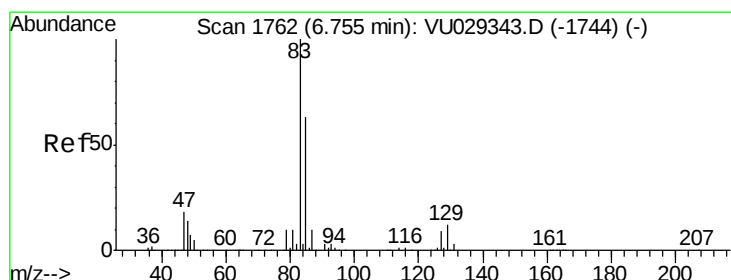
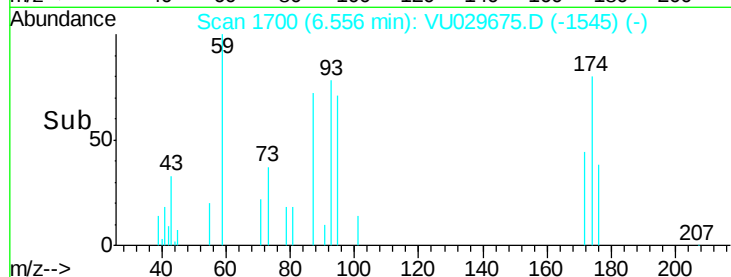
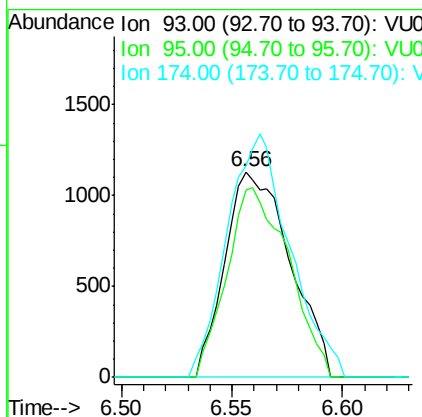
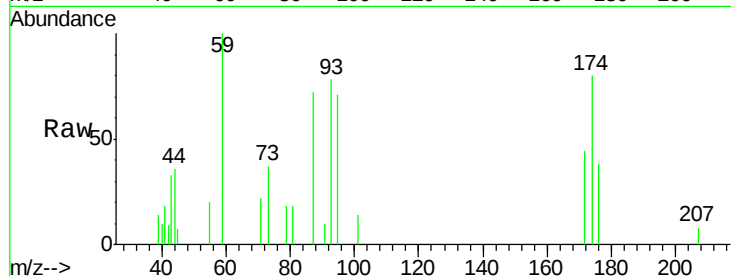
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	93	Resp:	2314
Ion	Ratio	Lower	Upper
93	100		
95	87.7	68.2	102.2
174	114.3	77.6	116.4

Manual Integrations
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#44

Bromodichloromethane

Concen: 0.220 ug/l

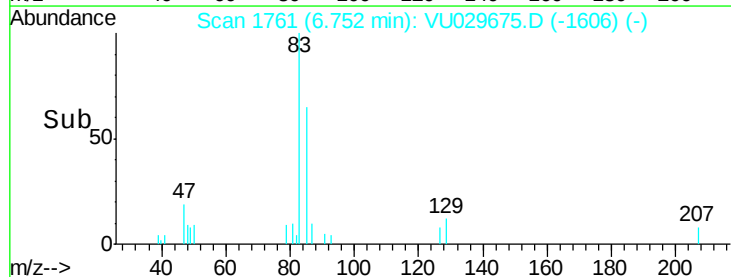
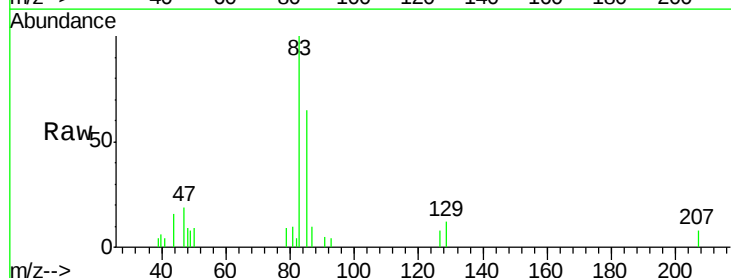
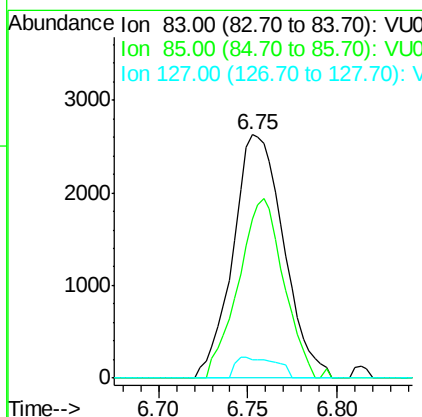
RT: 6.75 min Scan# 1761

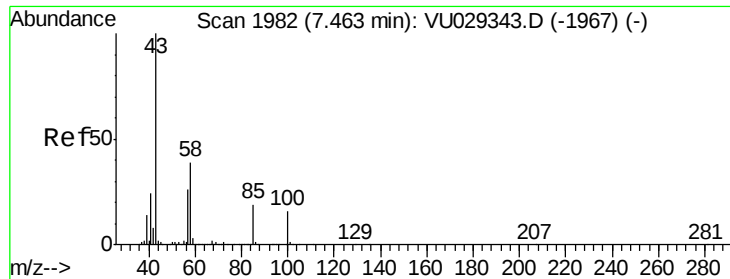
Delta R.T. -0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Tgt Ion:	83	Resp:	5204
Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.2	73.8
127	7.6	7.0	10.6





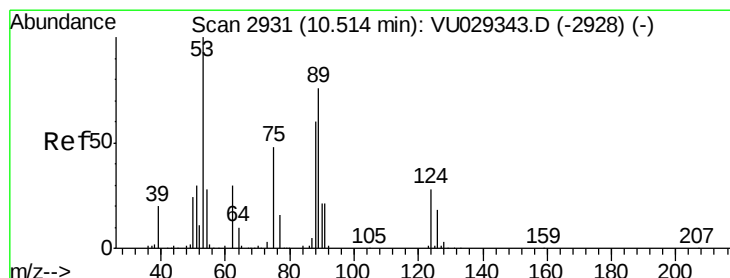
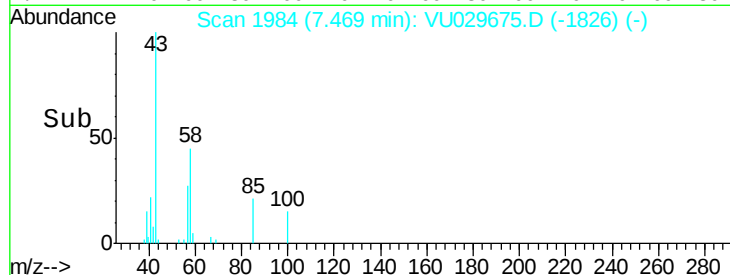
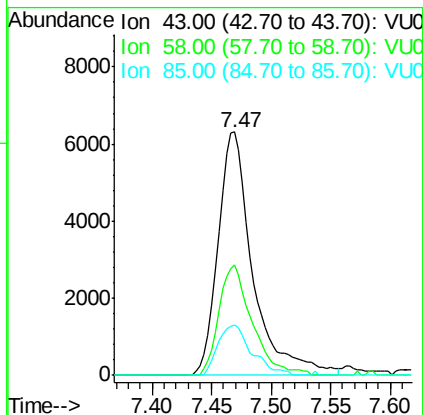
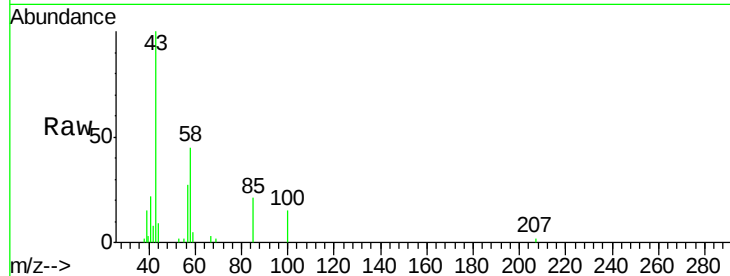
#45
 4-Methyl-2-Pentanone
 Concen: 1.171 ug/l
 RT: 7.47 min Scan# 1984
 Delta R.T. 0.01 min
 Lab File: VU029675.D
 Acq: 26 Feb 2019 12:08

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.4	17.6	52.8
85	20.1	12.3	18.5

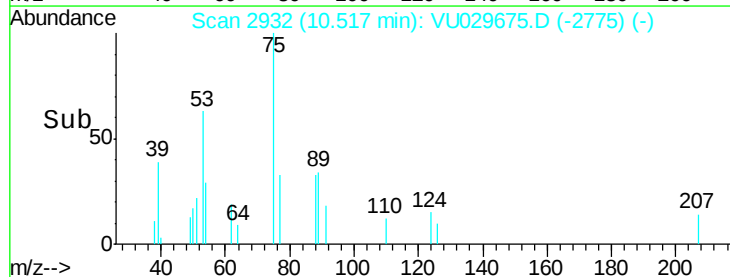
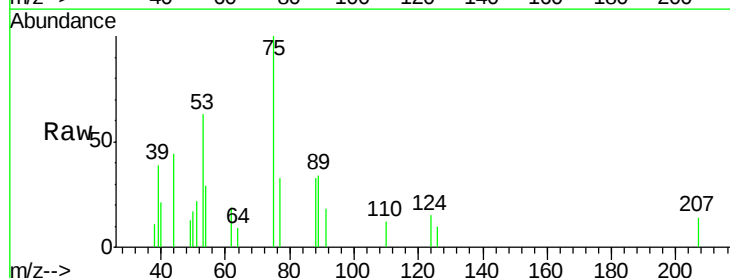
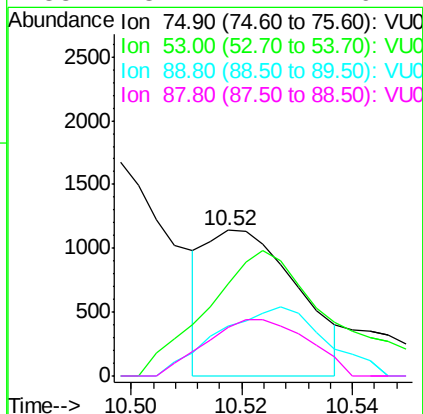
Manual Integrations
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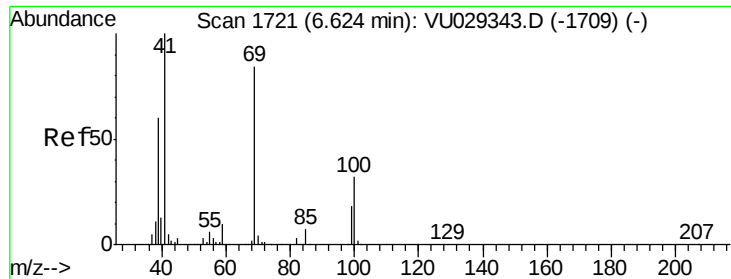
MMDadoda
 3/5/2019 9:31:58 AM



#46
 t-1,4-Dichloro-2-butene
 Concen: 0.248 ug/l m
 RT: 10.52 min Scan# 2932
 Delta R.T. 0.00 min
 Lab File: VU029675.D
 Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
53	114.7	78.2	117.4
89	55.5	44.2	66.4
88	43.2	41.4	62.2





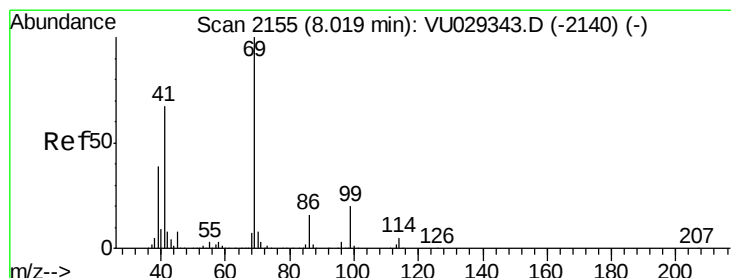
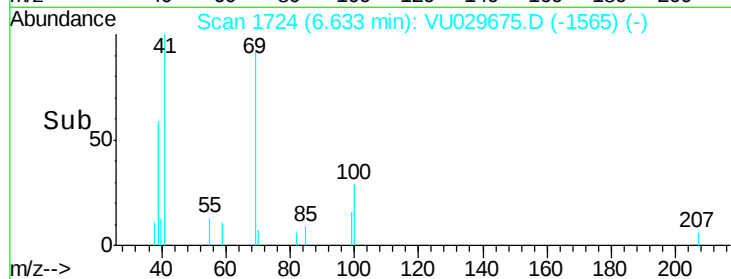
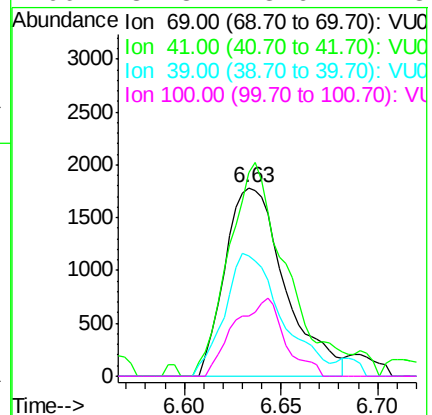
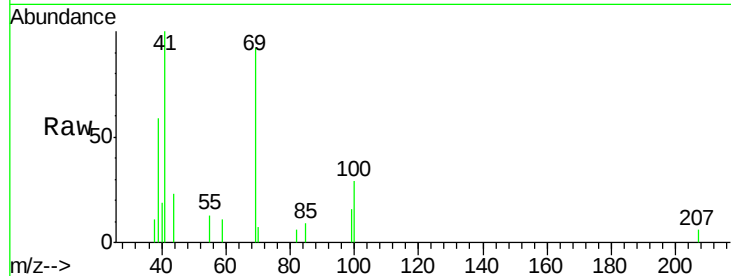
#47
Methvl methacrylate
Concen: 0.471 ug/l
RT: 6.63 min Scan# 1724
Delta R.T. 0.01 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

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

Tot Ion	Ratio	Lower	Upper
69	100		
41	109.0	0.0	296.2
39	61.7	71.2	106.8
100	34.8	28.6	42.8

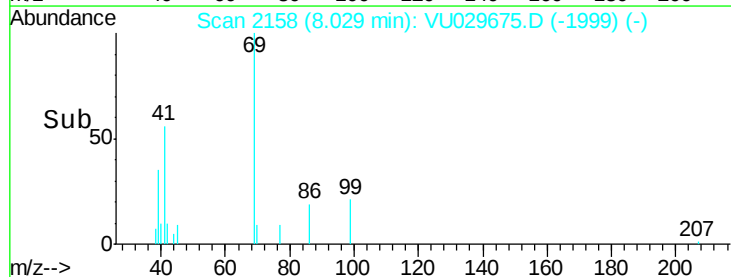
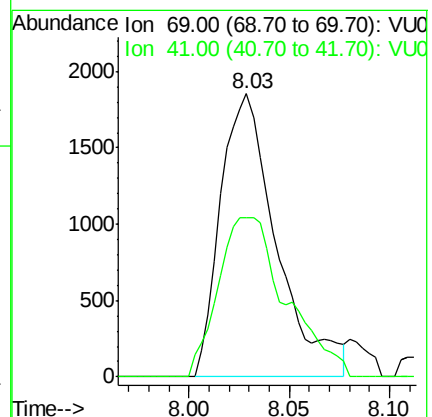
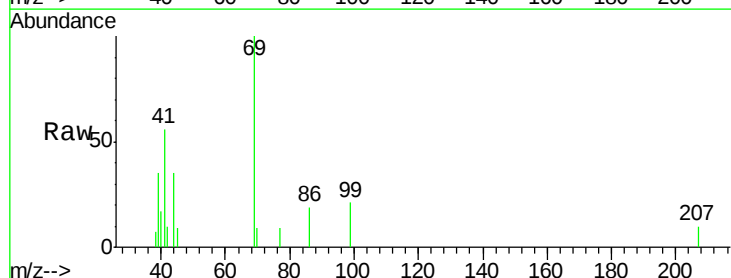
Manual Integrations
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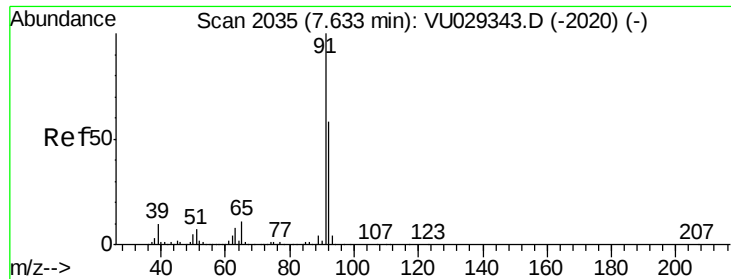
MMDadoda
3/5/2019 9:31:58 AM



#48
Ethyl methacrylate
Concen: 0.203 ug/l m
RT: 8.03 min Scan# 2158
Delta R.T. 0.01 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.4	39.9	119.7





#49

Toluene

Concen: 0.246 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 92 Resp: 10559

Ion Ratio Lower Upper

92 100

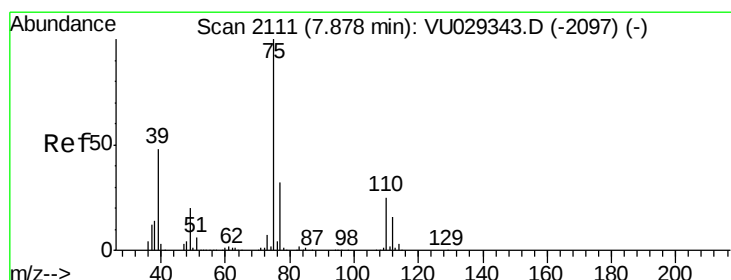
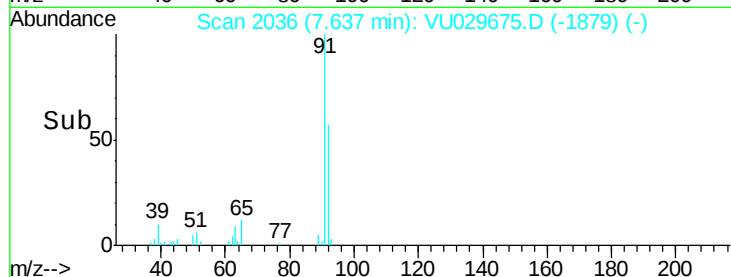
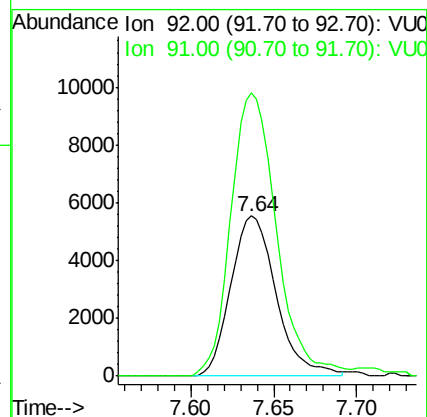
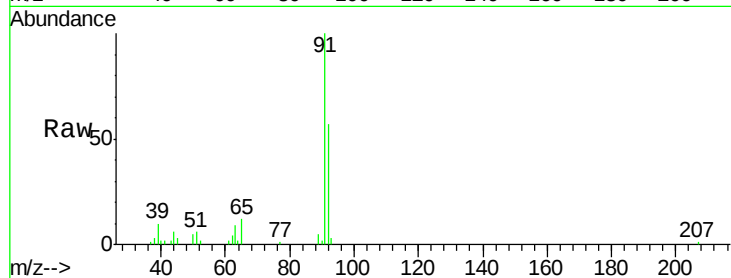
91 177.7 140.7 211.1

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 0.201 ug/l

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU029675.D

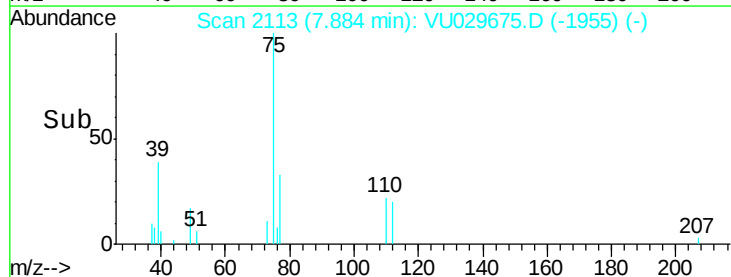
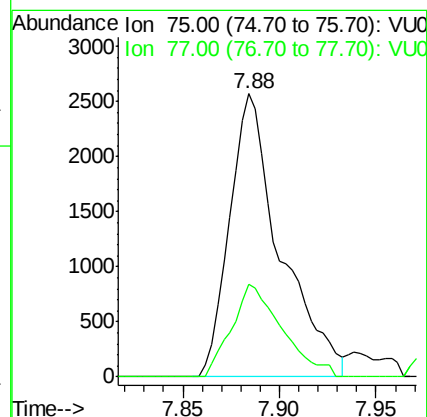
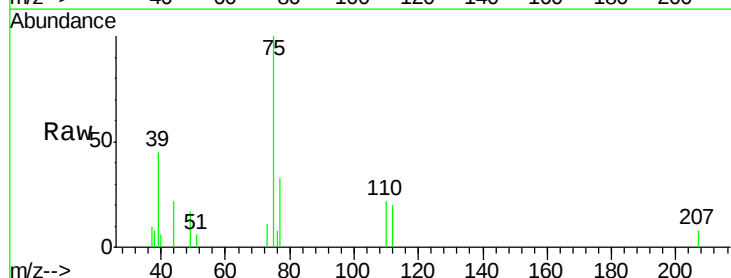
Acq: 26 Feb 2019 12:08

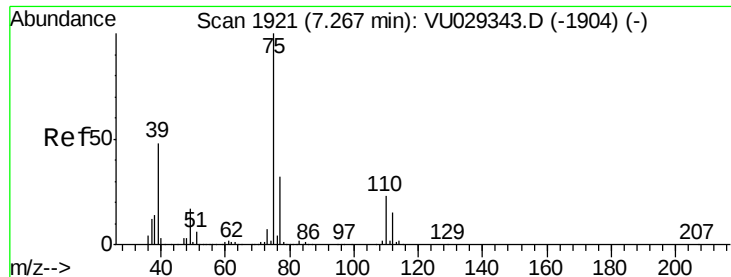
Tgt Ion: 75 Resp: 4674

Ion Ratio Lower Upper

75 100

77 32.8 23.6 35.4





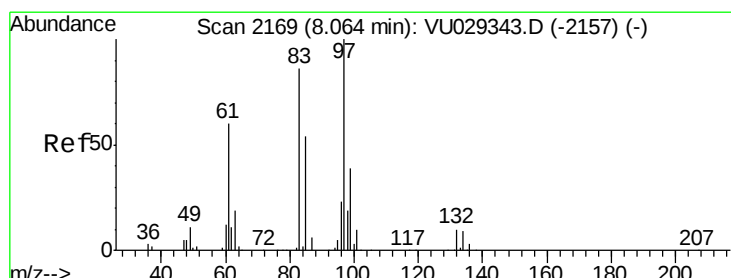
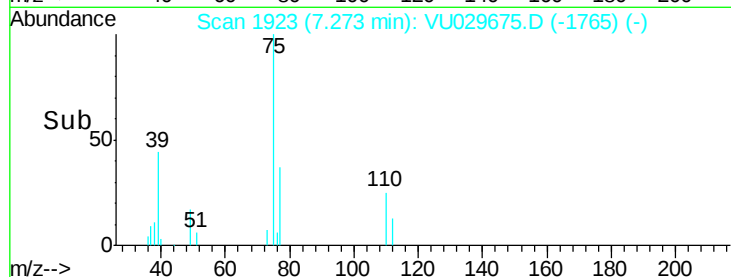
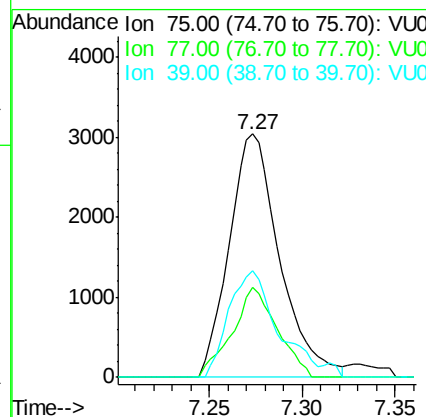
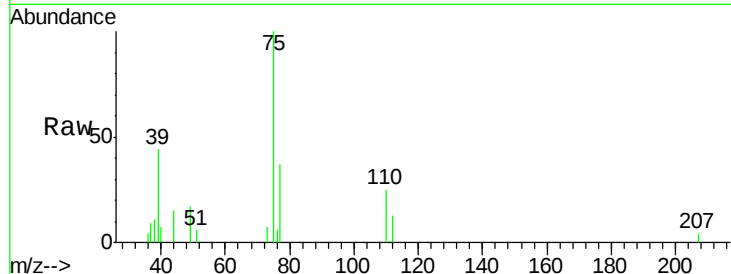
#51
 cis-1,3-Dichloropropene
 Concen: 0.208 ug/l
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VU029675.D
 Acq: 26 Feb 2019 12:08

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	36.7	24.9	37.3
39	43.7	47.2	70.8#

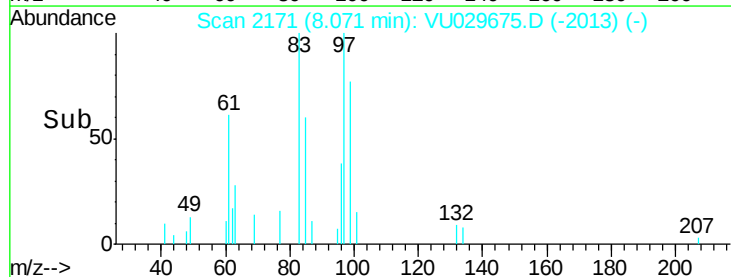
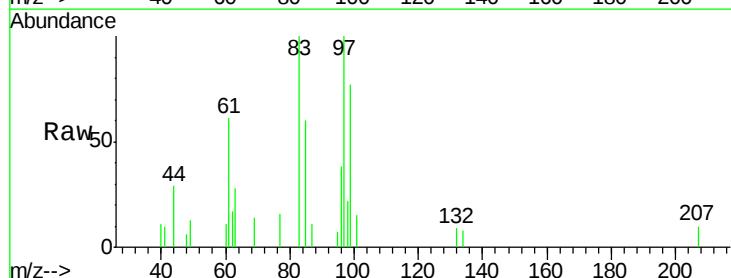
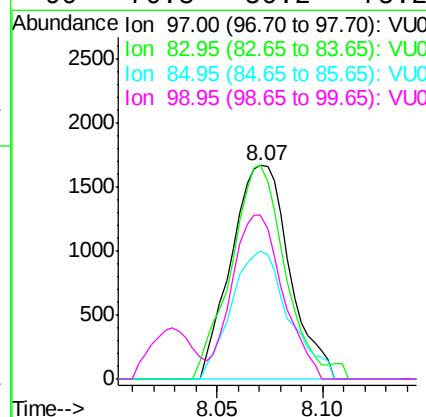
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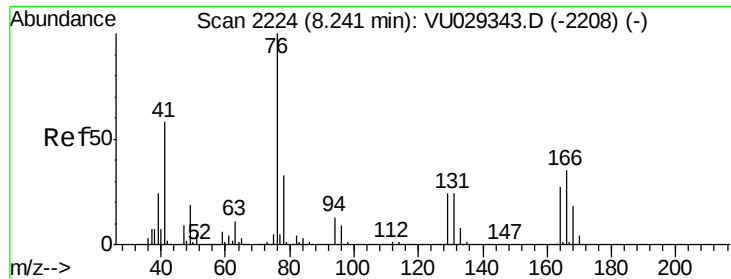
MMDadoda
 3/5/2019 9:31:58 AM



#52
 1,1,2-Trichloroethane
 Concen: 0.260 ug/l
 RT: 8.07 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VU029675.D
 Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Lower	Upper
97	100		
83	99.8	69.9	104.9
85	59.9	45.8	68.6
99	76.8	50.2	75.2#





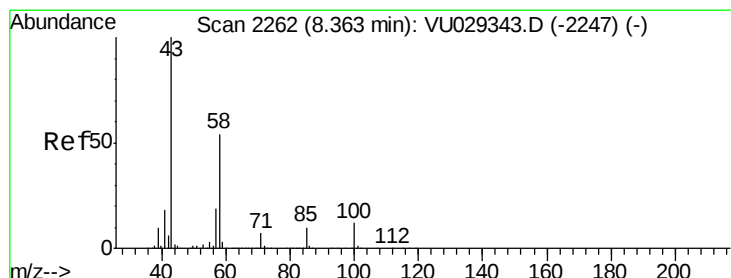
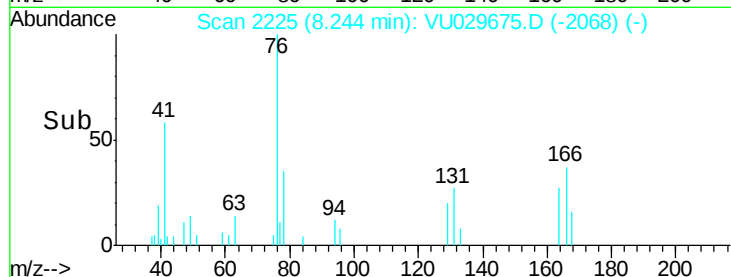
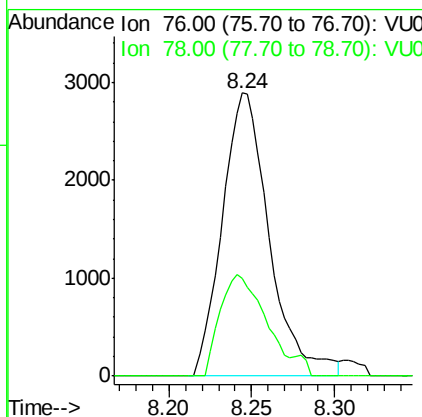
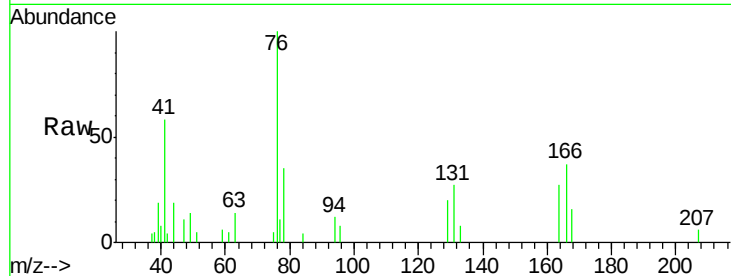
#53
 1,3-Dichloropropane
 Concen: 0.264 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VU029675.D
 Acq: 26 Feb 2019 12:08

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

Tot Ion: 76 Resp: 5700
 Ion Ratio Lower Upper
 76 100
 78 36.0 26.3 39.5

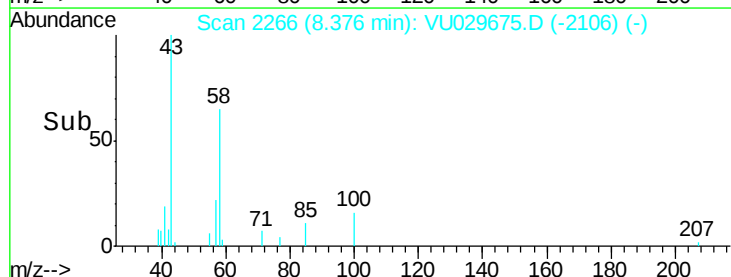
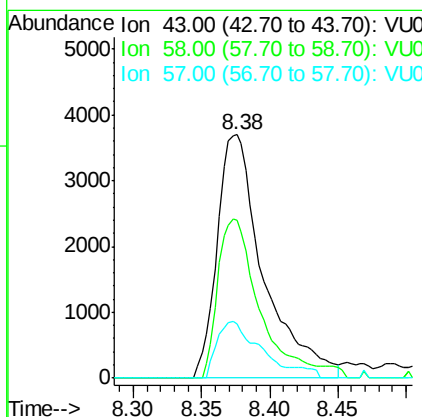
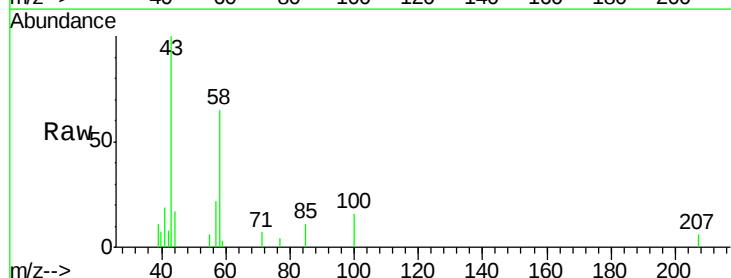
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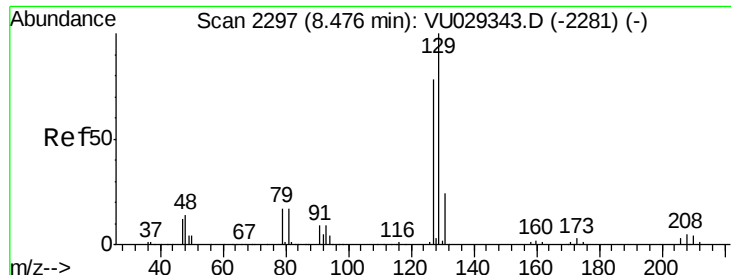
MMDadoda
 3/5/2019 9:31:58 AM



#54
 2-Hexanone
 Concen: 1.145 ug/l
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.01 min
 Lab File: VU029675.D
 Acq: 26 Feb 2019 12:08

Tgt Ion: 43 Resp: 8750
 Ion Ratio Lower Upper
 43 100
 58 59.8 26.0 66.0
 57 22.7 0.0 37.7





#55

Dibromochloromethane

Concen: 0.225 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:129 Resp: 3941

Ion Ratio Lower Upper

129 100

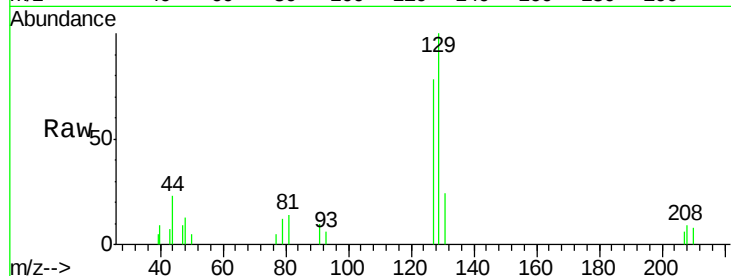
127 73.4 60.5 90.7

Manual Integrations

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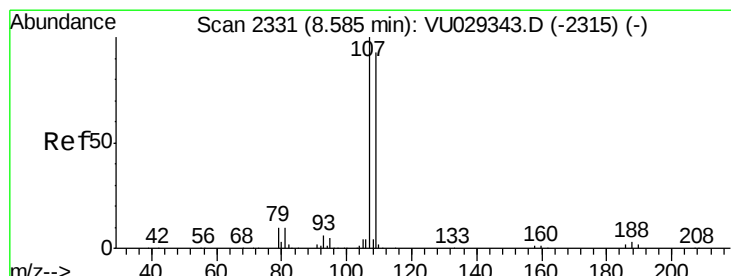
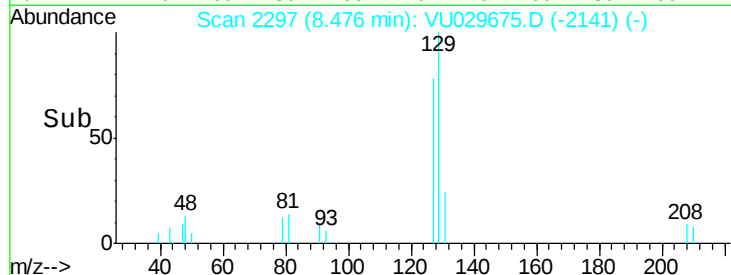
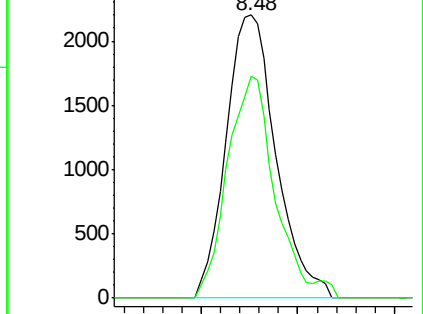
MMDadoda

3/5/2019 9:31:58 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.255 ug/l

RT: 8.59 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU029675.D

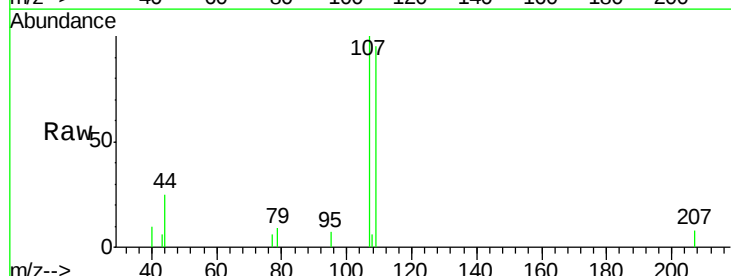
Acq: 26 Feb 2019 12:08

Tgt Ion:107 Resp: 3217

Ion Ratio Lower Upper

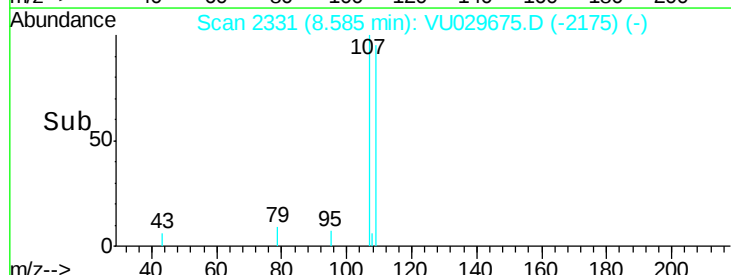
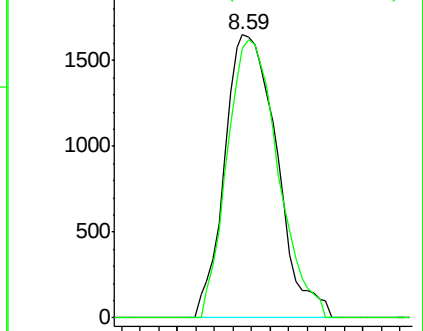
107 100

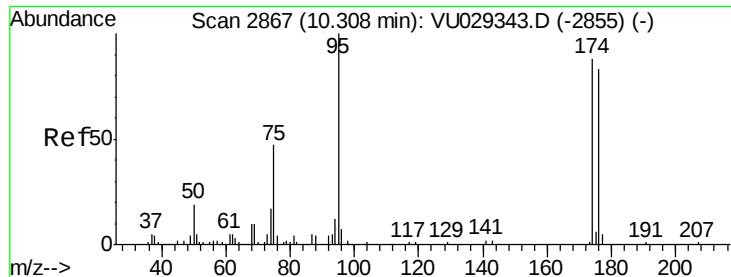
109 96.1 0.0 189.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.255 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

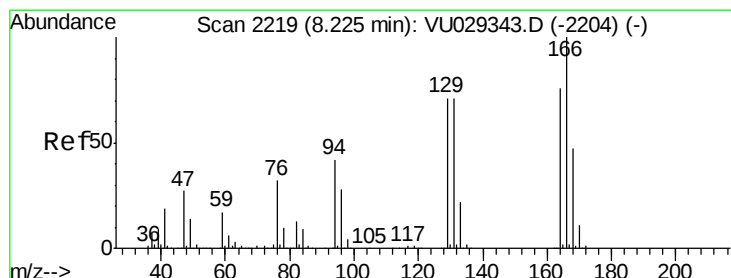
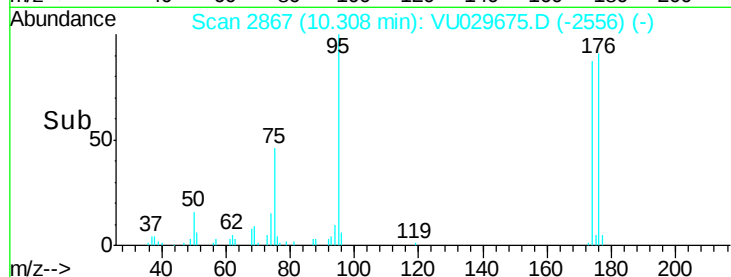
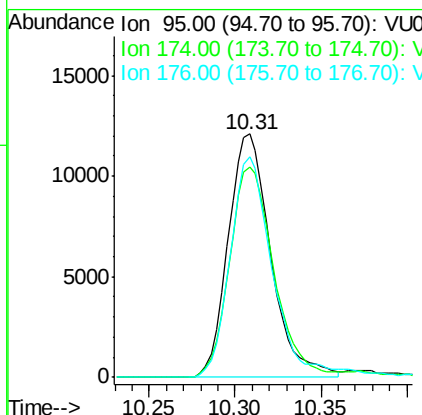
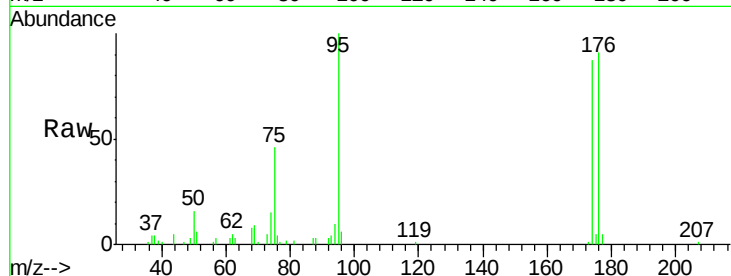
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	95	Resp:	20831
Ion Ratio	Lower	Upper	
95	100		
174	90.2	64.2	96.2
176	90.6	62.3	93.5

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#58

Tetrachloroethene

Concen: 0.287 ug/l

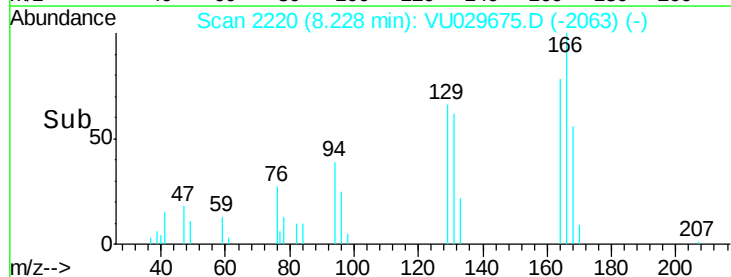
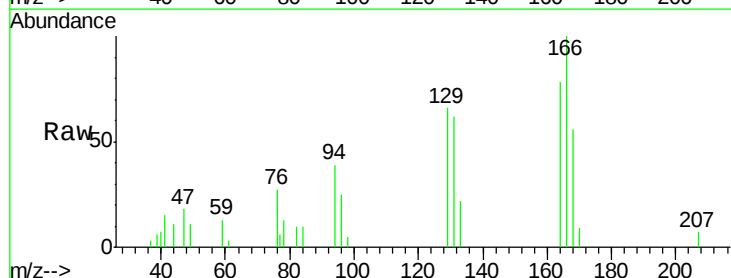
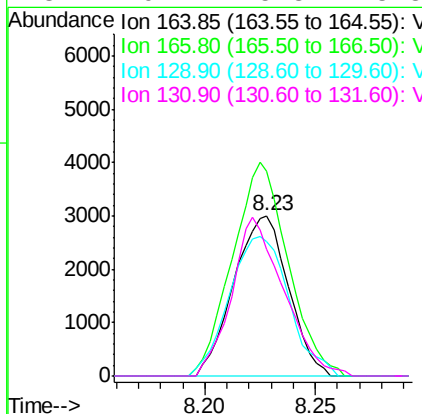
RT: 8.23 min Scan# 2220

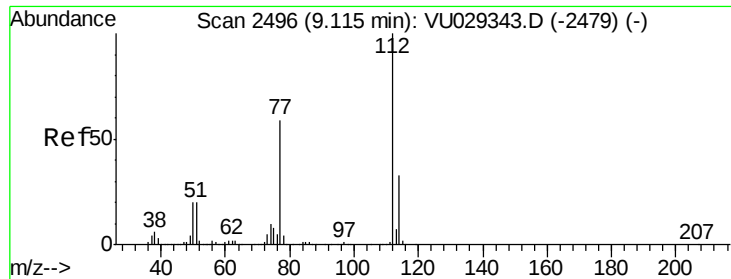
Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Tgt Ion:	164	Resp:	5141
Ion Ratio	Lower	Upper	
164	100		
166	127.5	106.6	159.8
129	84.0	79.9	119.9
131	79.1	75.8	113.8





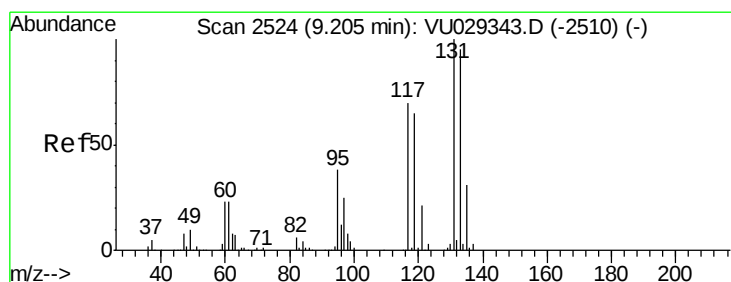
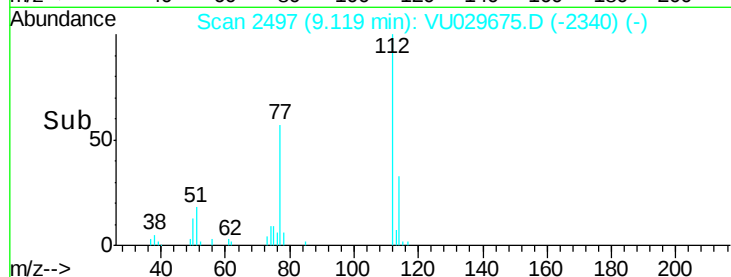
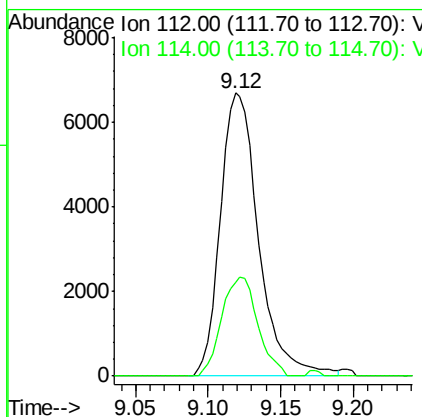
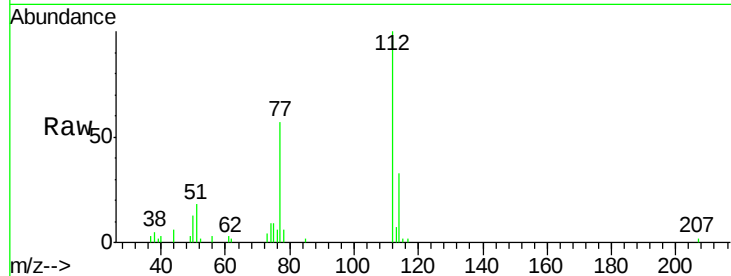
#59
Chlorobenzene
Concen: 0.254 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

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

Tot Ion	Ratio	Resp	Lower	Upper
112	100	12265		
114	33.3	26.2	39.4	

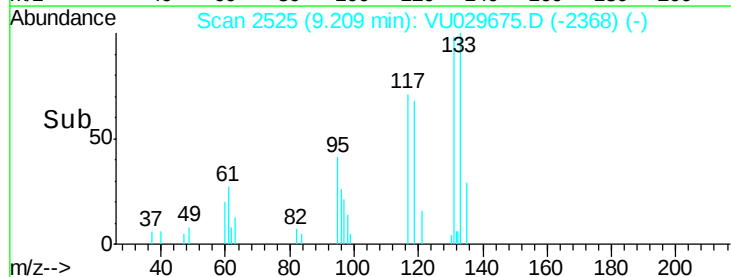
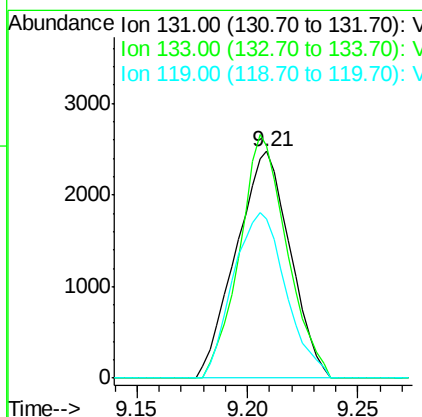
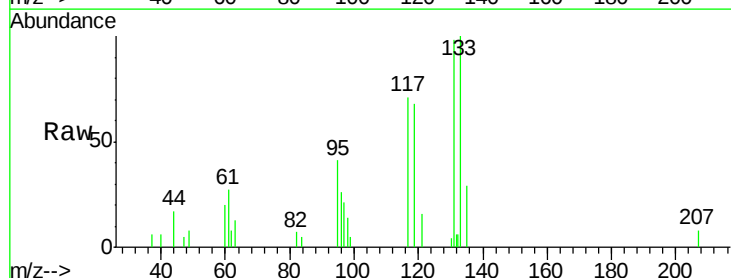
Manual Integrations
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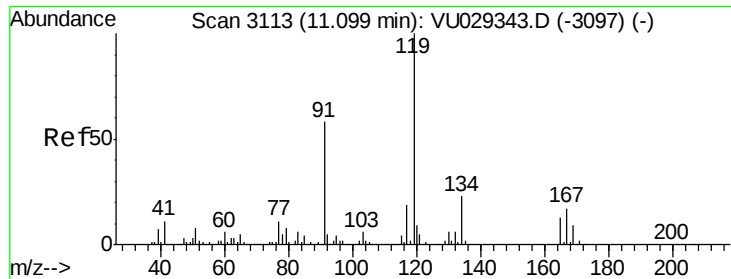
MMDadoda
3/5/2019 9:31:58 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 0.235 ug/l
RT: 9.21 min Scan# 2525
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	4192		
133	94.3	77.3	115.9	
119	71.4	48.9	73.3	





#61

Pentachloroethane

Concen: 0.228 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:117 Resp: 3157

Ion Ratio Lower Upper

117 100

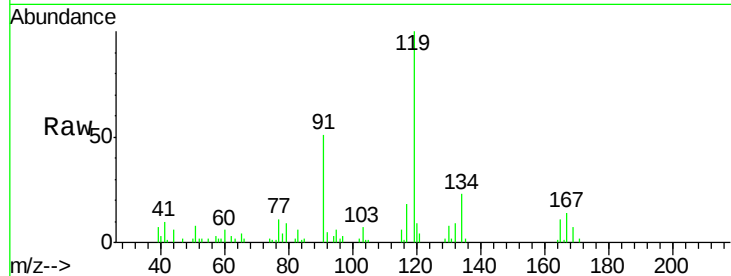
167 76.8 65.9 98.9

Manual Integrations

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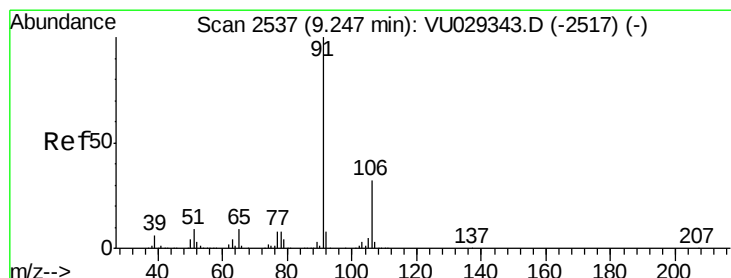
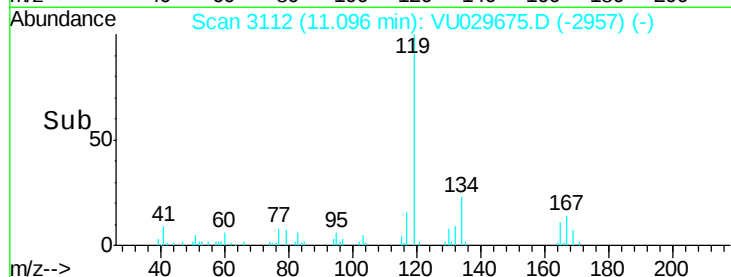
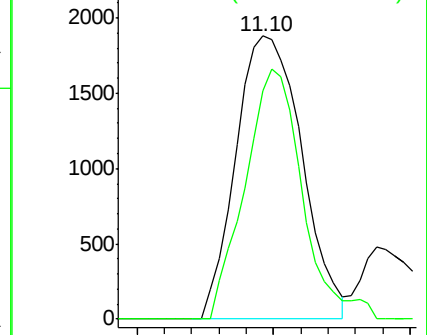
MMDadoda

3/5/2019 9:31:58 AM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#63

Ethyl Benzene

Concen: 0.246 ug/l

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU029675.D

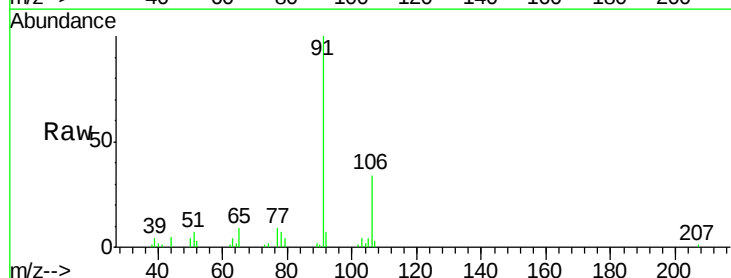
Acq: 26 Feb 2019 12:08

Tgt Ion: 91 Resp: 20654

Ion Ratio Lower Upper

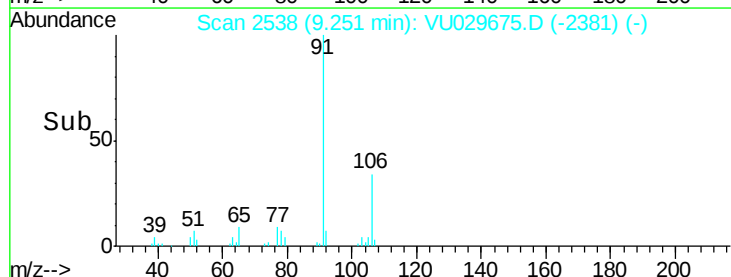
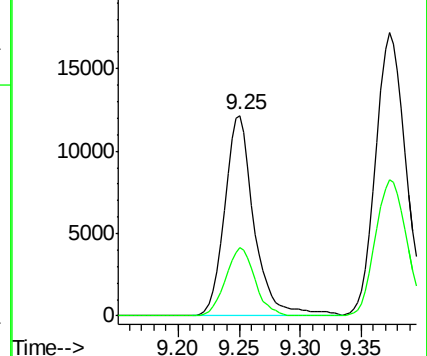
91 100

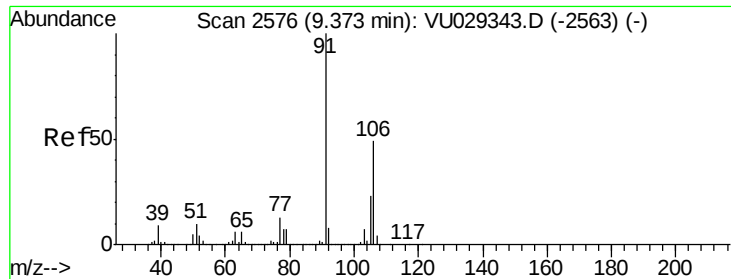
106 33.9 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xylenes

Concen: 0.465 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:106 Resp: 15172

Ion Ratio Lower Upper

106 100

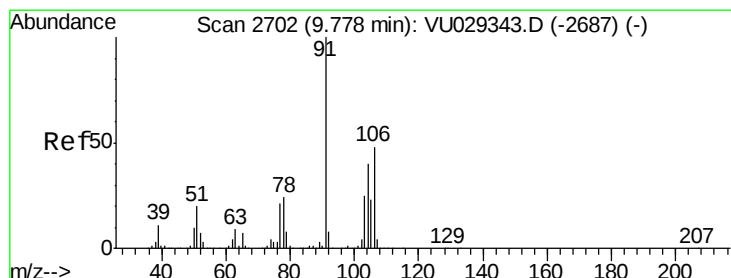
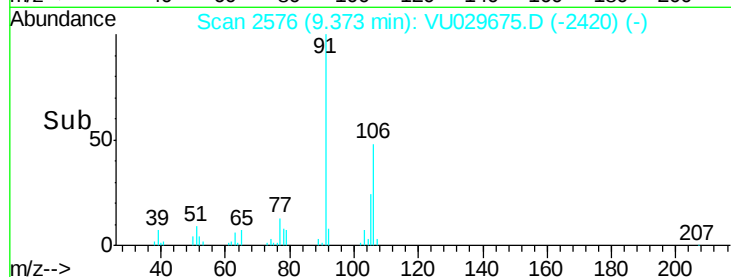
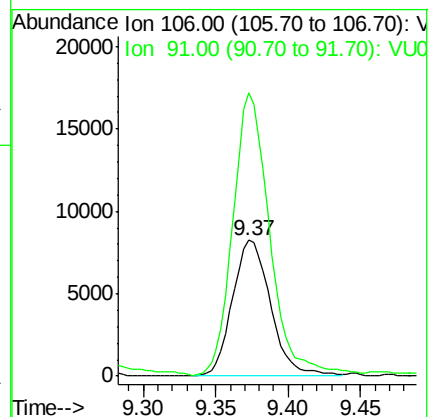
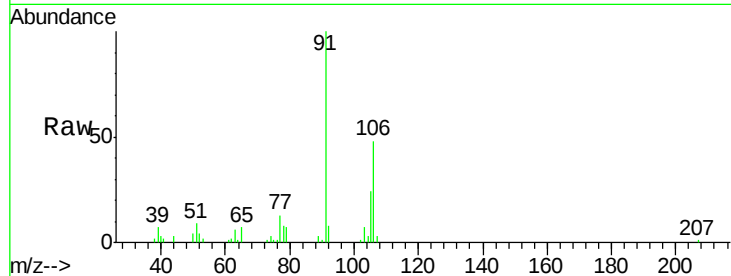
91 201.5 174.6 261.8

Manual Integrations

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#65

o-Xylene

Concen: 0.247 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029675.D

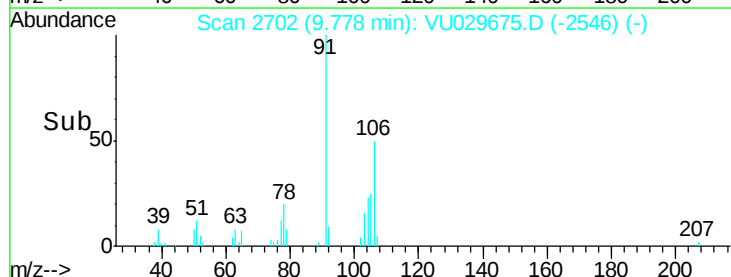
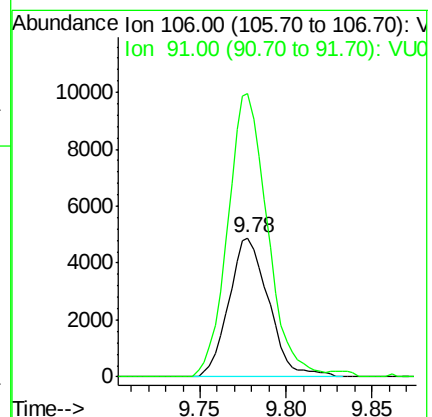
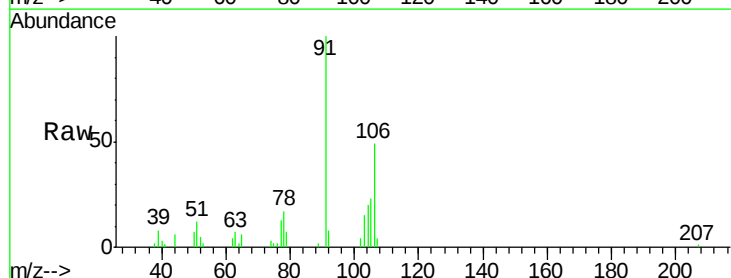
Acq: 26 Feb 2019 12:08

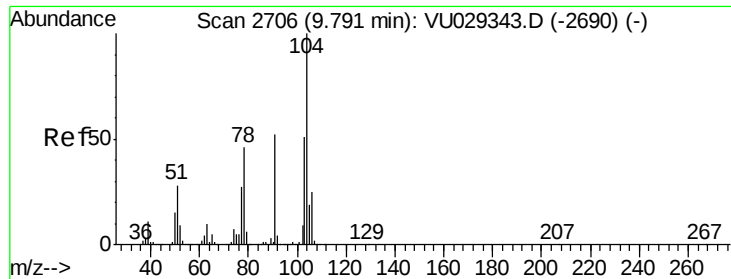
Tgt Ion:106 Resp: 7912

Ion Ratio Lower Upper

106 100

91 203.0 114.5 343.4





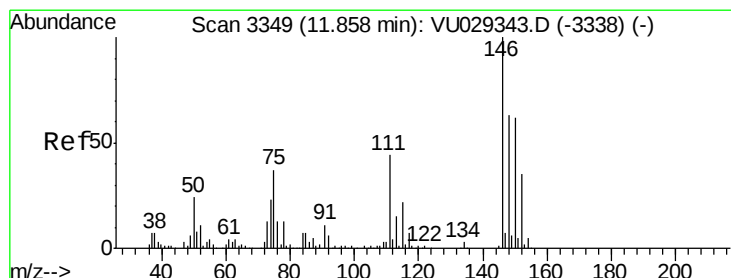
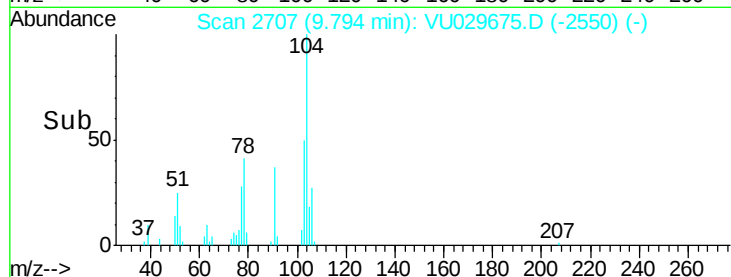
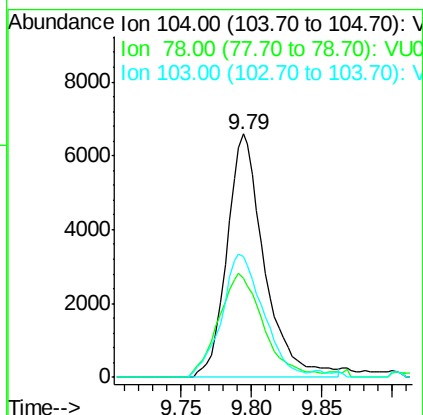
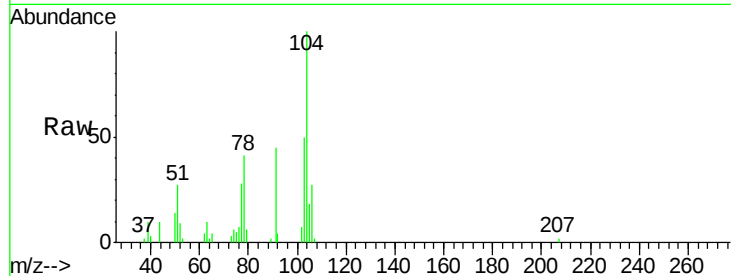
#66
Stvrene
Concen: 0.228 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.8	46.5	69.7
103	56.2	44.7	67.1

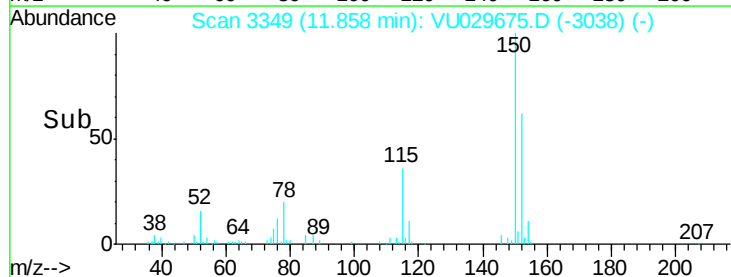
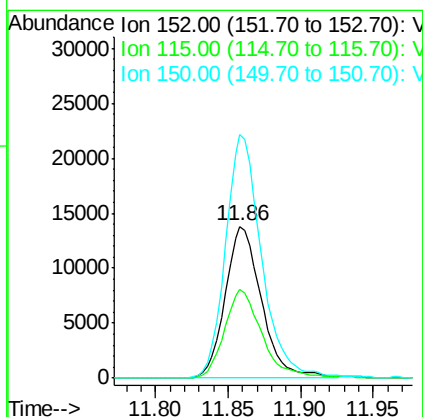
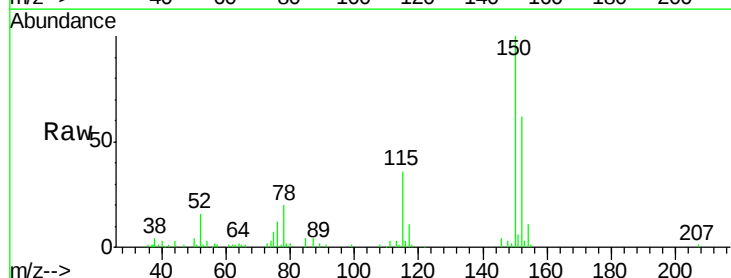
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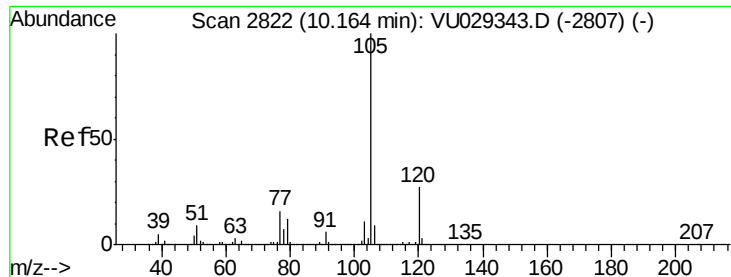
MMDadoda
3/5/2019 9:31:58 AM



#68
1,2-Dichlorobenzene-d4
Concen: Below ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	0.0	133.4
150	159.5	0.0	670.8





#69

Isopropylbenzene

Concen: 0.237 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 105 Resp: 20321

Ion Ratio Lower Upper

105 100

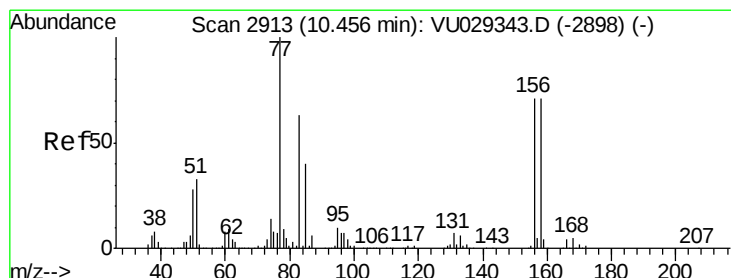
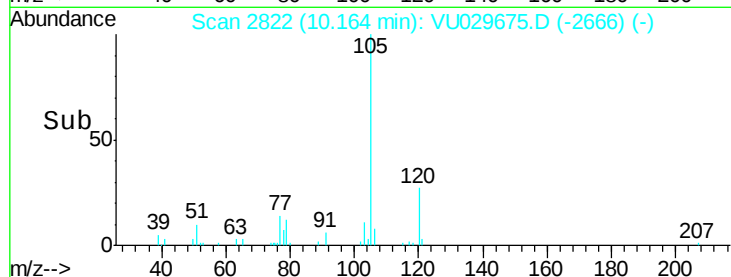
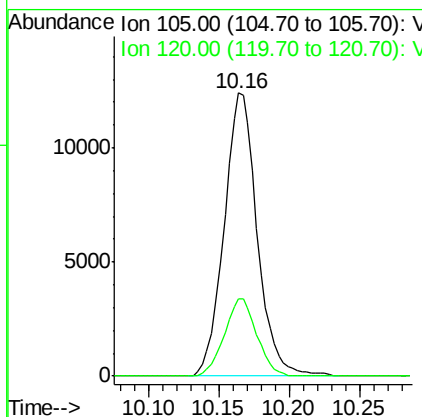
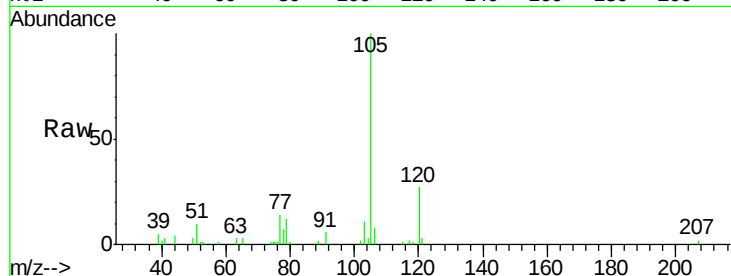
120 26.5 12.6 37.6

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.243 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

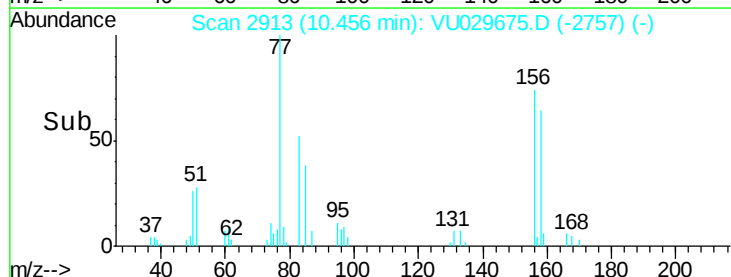
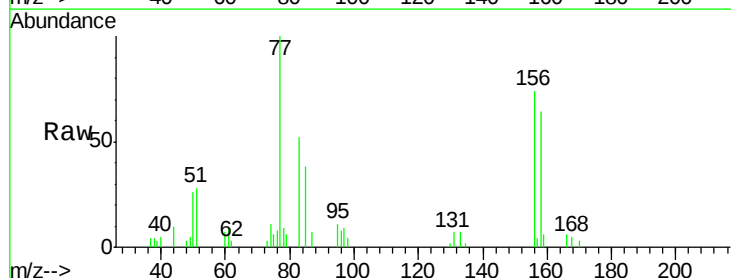
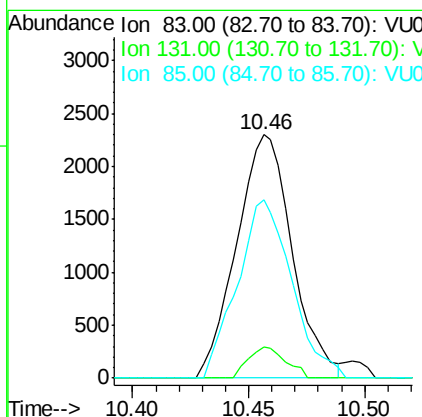
Tgt Ion: 83 Resp: 3837

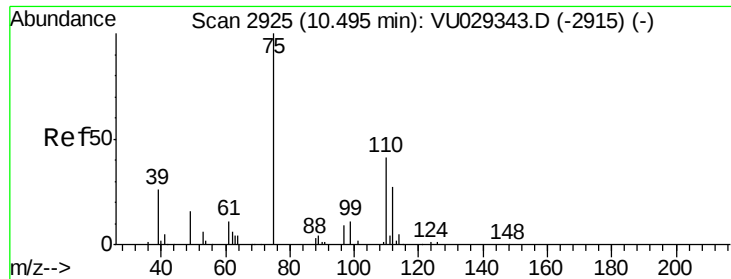
Ion Ratio Lower Upper

83 100

131 8.6 8.1 12.1

85 71.6 50.3 75.5





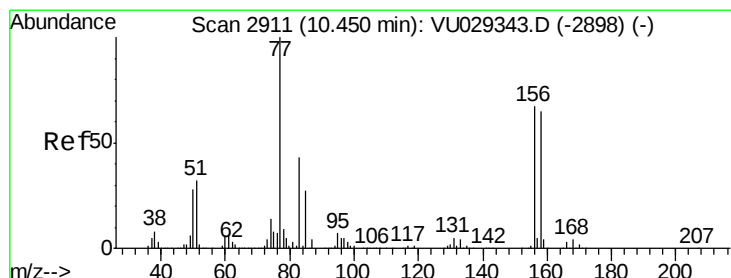
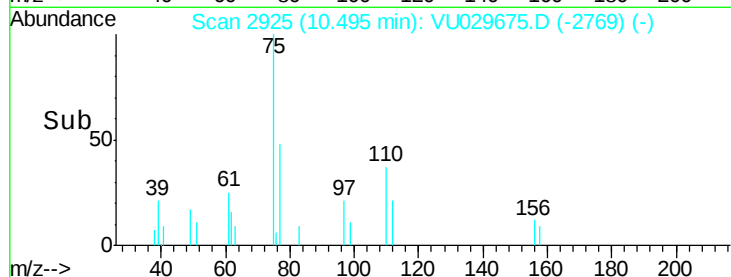
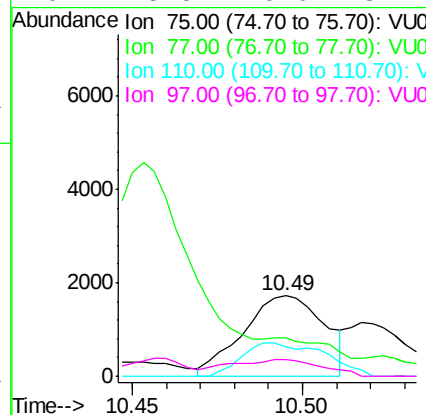
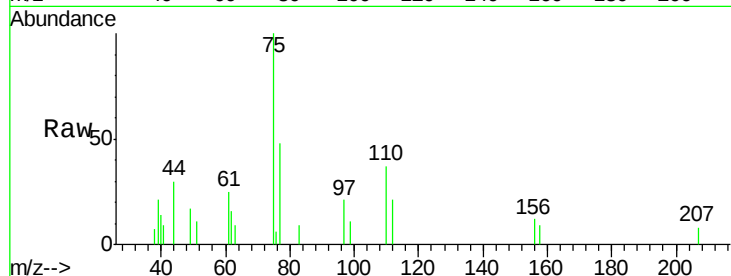
#71
1,2,3-Trichloropropane
Concen: 0.264 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	42.6	0.0	63.6
97	23.8	0.0	31.4

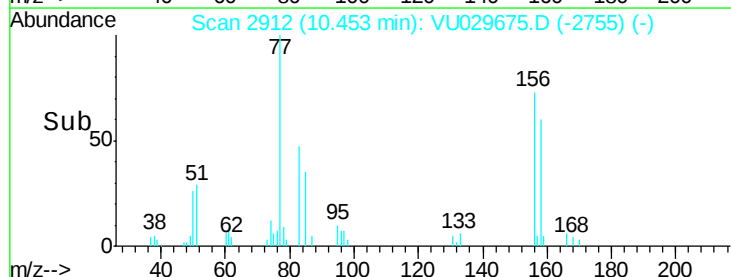
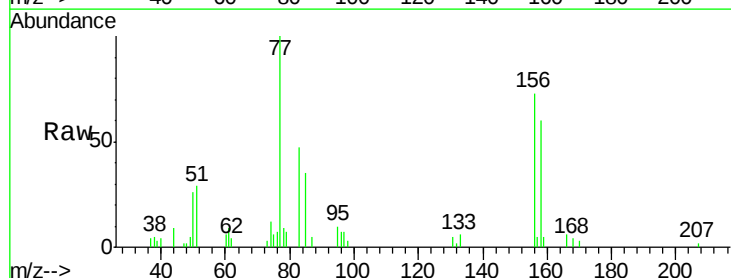
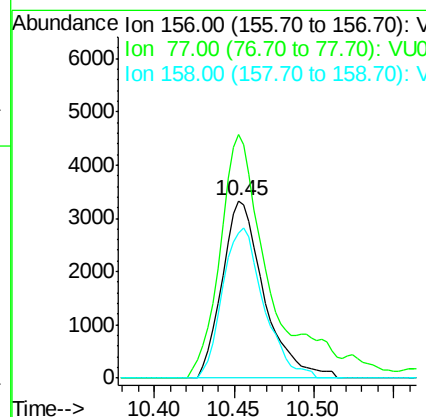
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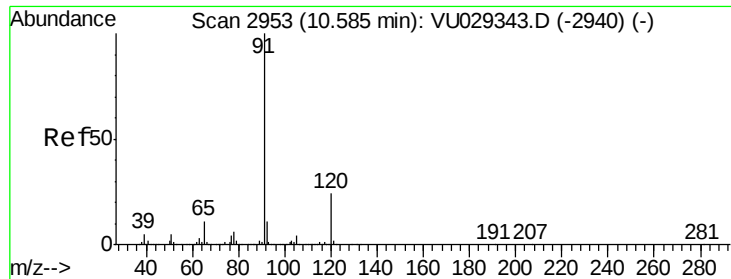
MMDadoda
3/5/2019 9:31:58 AM



#72
Bromobenzene
Concen: 0.288 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Lower	Upper
156	100		
77	140.4	0.0	343.8
158	83.1	0.0	195.0





#73

n-propylbenzene

Concen: 0.226 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:120 Resp: 5381

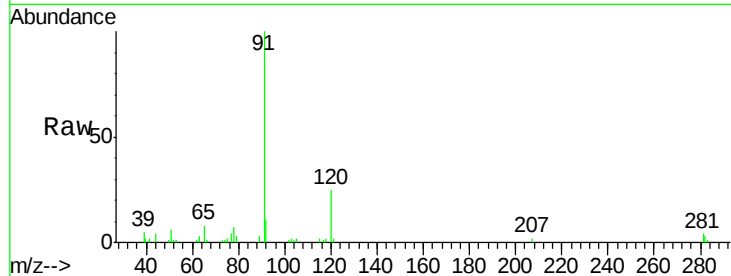
Ion Ratio Lower Upper

120 100

91 422.2 370.0 555.0

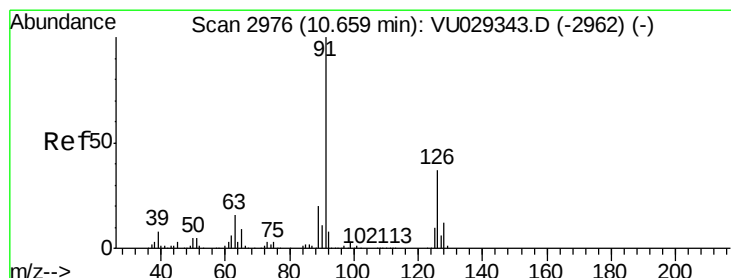
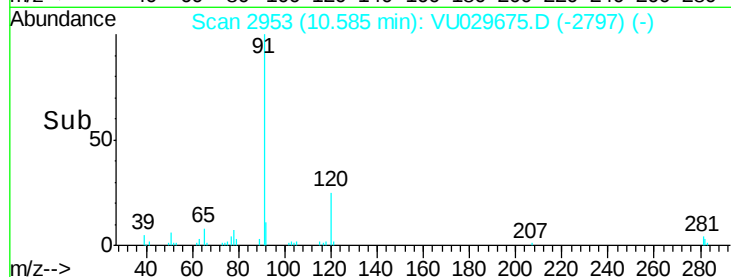
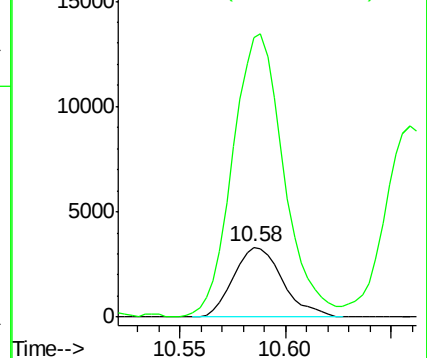
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.254 ug/l

RT: 10.66 min Scan# 2977

Delta R.T. 0.00 min

Lab File: VU029675.D

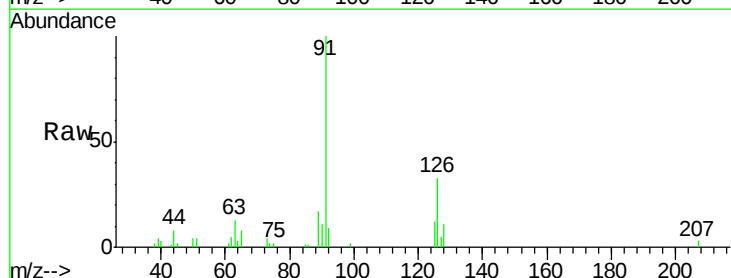
Acq: 26 Feb 2019 12:08

Tgt Ion:126 Resp: 5166

Ion Ratio Lower Upper

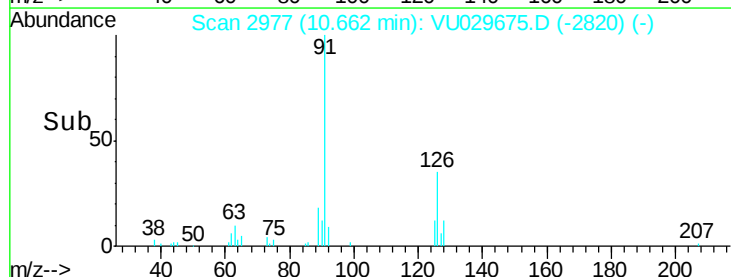
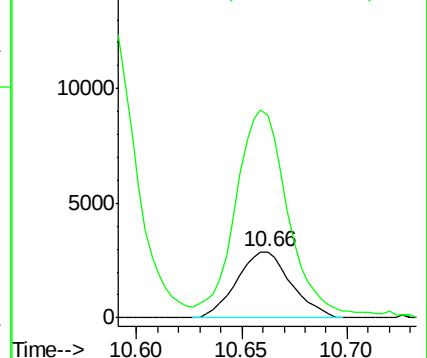
126 100

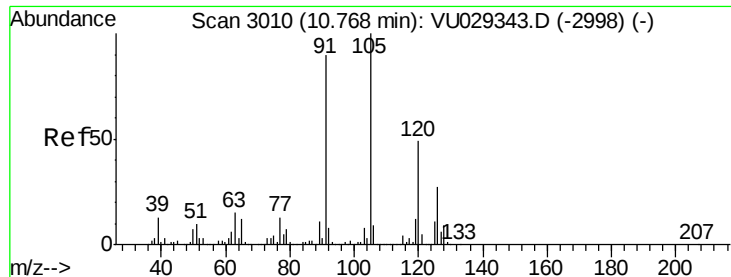
91 294.9 0.0 643.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.225 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:105 Resp: 16633

Ion Ratio Lower Upper

105 100

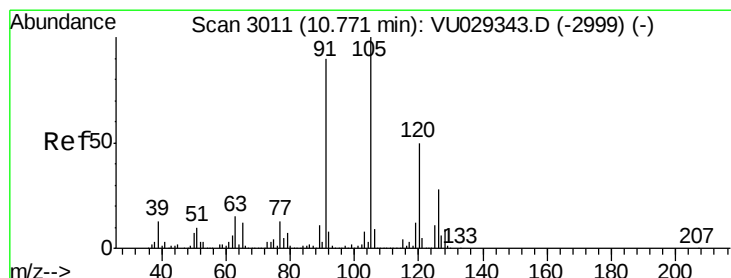
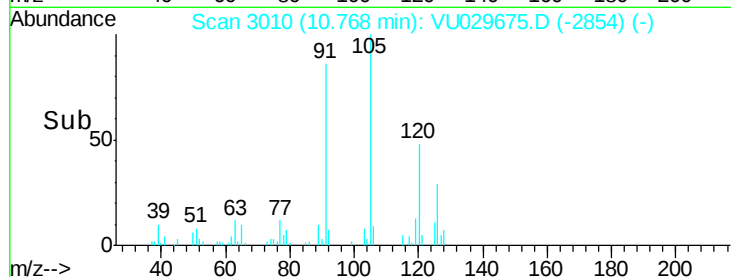
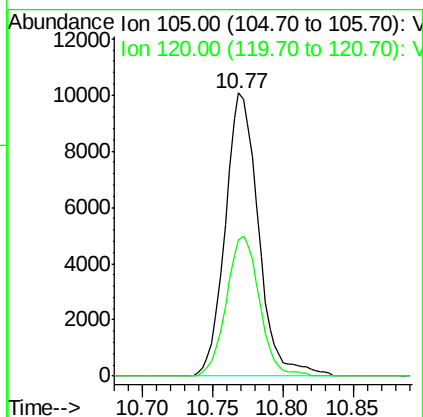
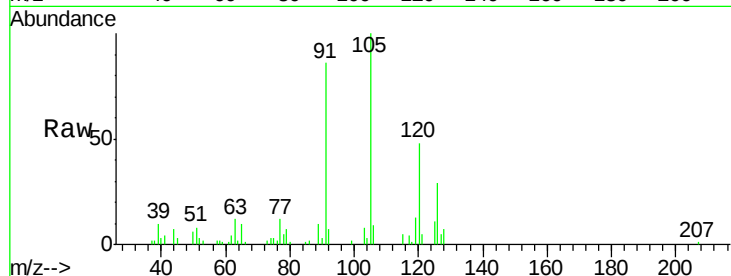
120 49.0 37.3 55.9

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#76

4-Chlorotoluene

Concen: 0.265 ug/l

RT: 10.77 min Scan# 3012

Delta R.T. 0.00 min

Lab File: VU029675.D

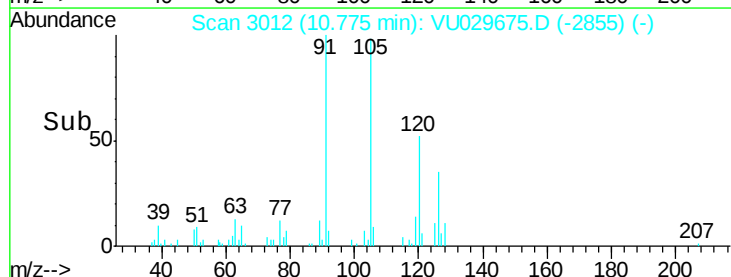
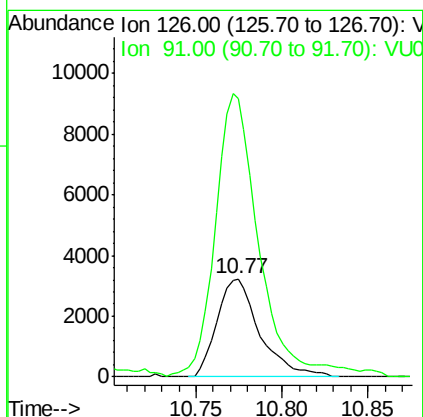
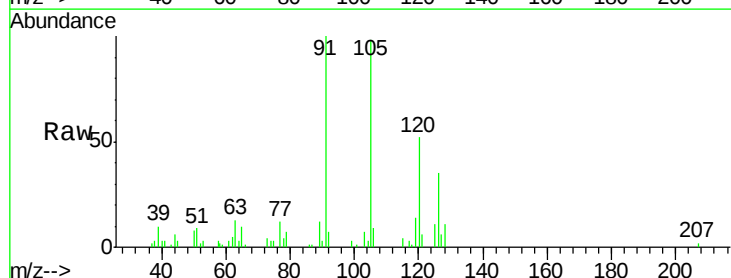
Acq: 26 Feb 2019 12:08

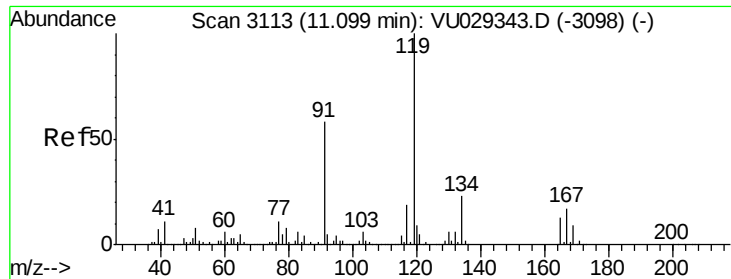
Tgt Ion:126 Resp: 5576

Ion Ratio Lower Upper

126 100

91 295.7 0.0 727.4





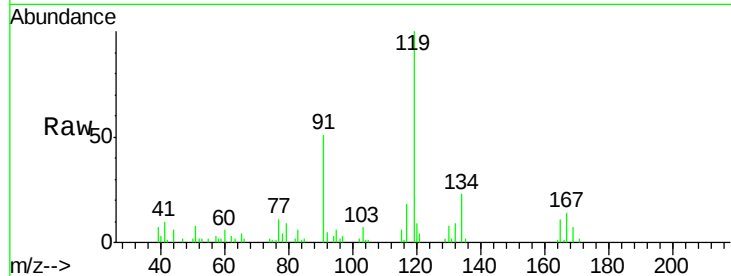
#77
tert-Butylbenzene
Concen: 0.231 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. -0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

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

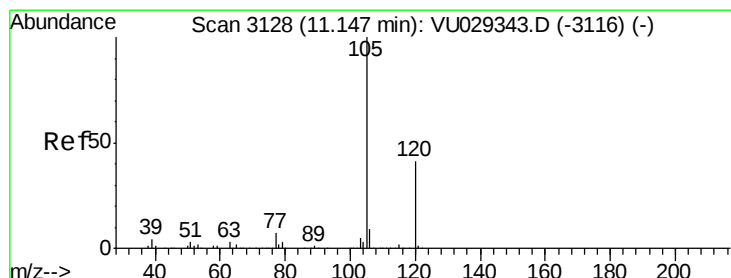
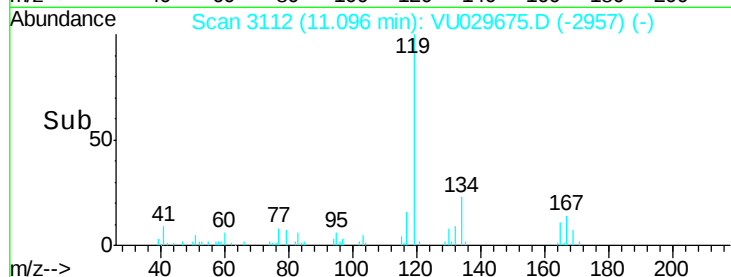
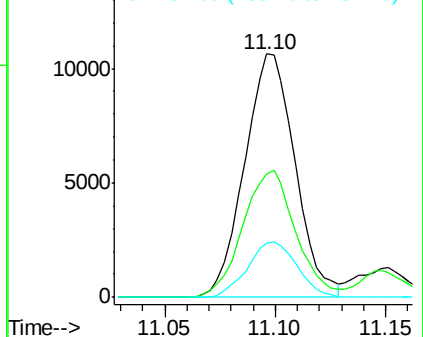
Tot Ion	Ratio	Resp	Lower	Upper
119	100	16870		
91	54.4	32.2	96.6	
134	22.2	17.6	26.4	

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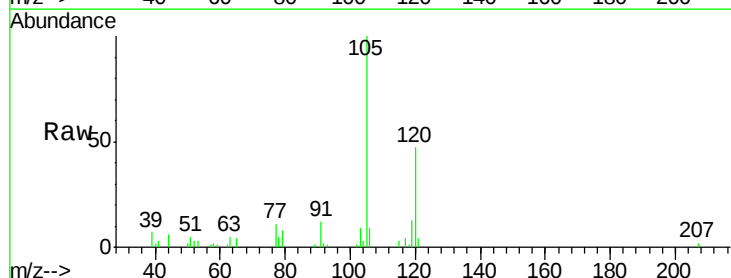


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

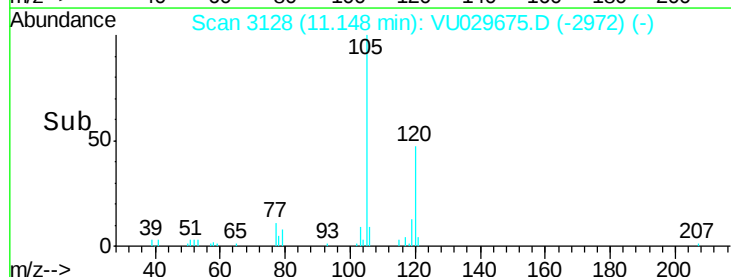
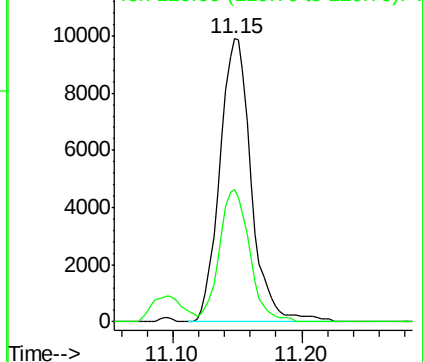


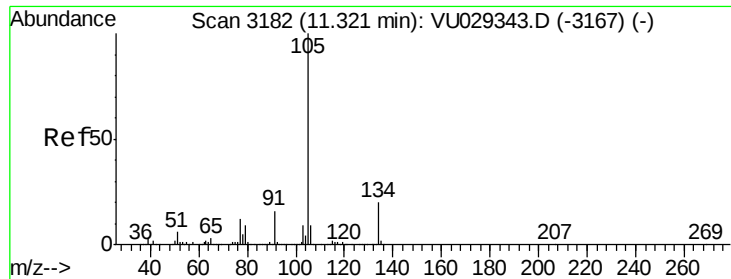
#78
1,2,4-Trimethylbenzene
Concen: 0.225 ug/l
RT: 11.15 min Scan# 3128
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	16796		
120	45.0	21.4	64.3	



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





#79

sec-Butylbenzene

Concen: 0.236 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:105 Resp: 22501

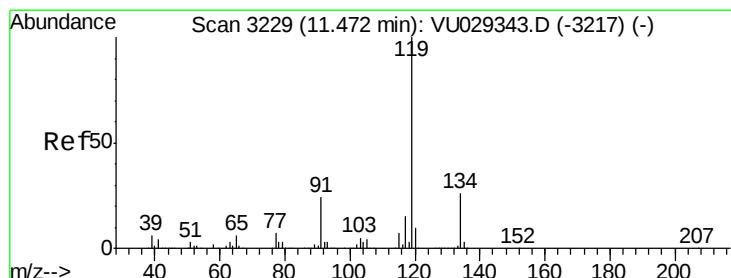
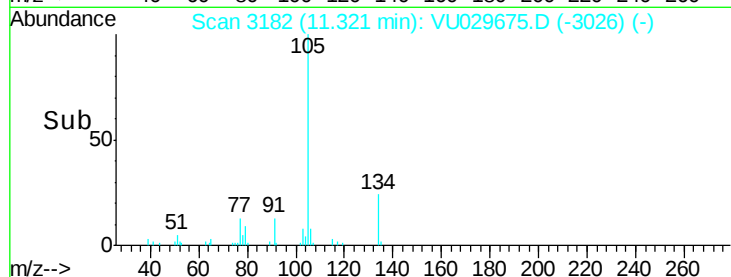
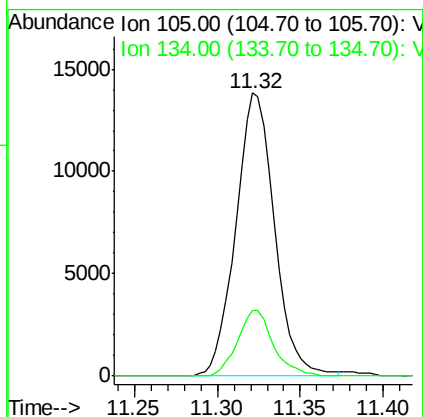
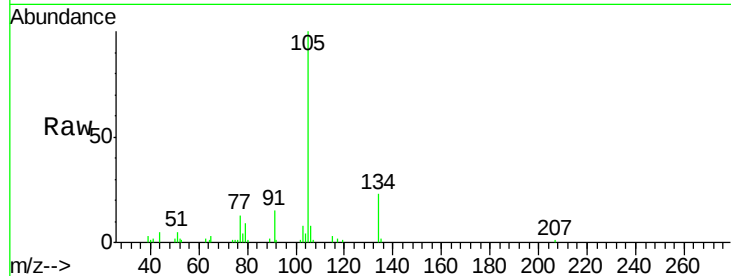
Ion Ratio Lower Upper

105 100

134 21.4 15.0 22.6

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#81

p-Isopropyltoluene

Concen: 0.224 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

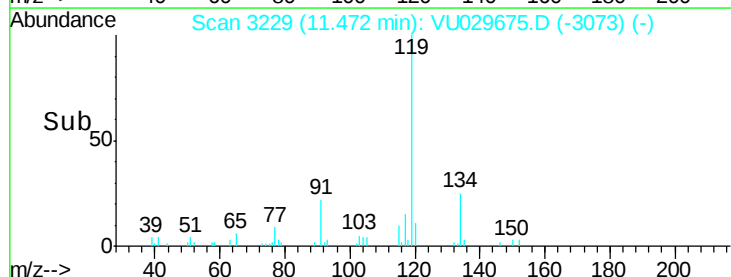
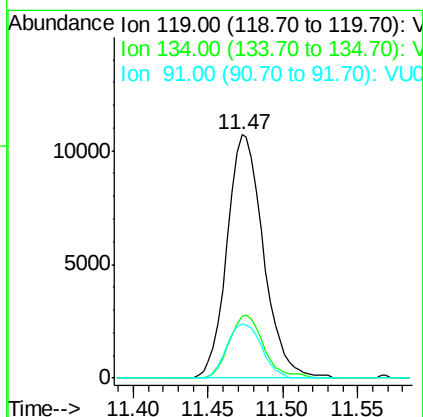
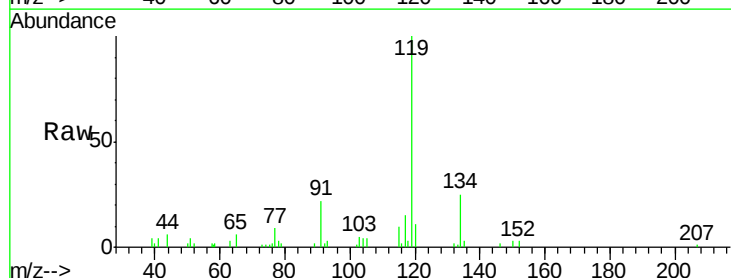
Tgt Ion:119 Resp: 18145

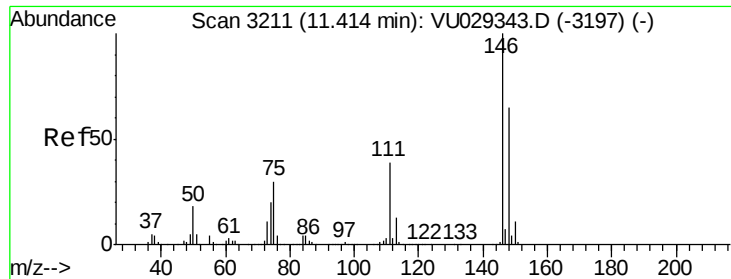
Ion Ratio Lower Upper

119 100

134 24.7 19.8 29.6

91 21.3 21.5 32.3#





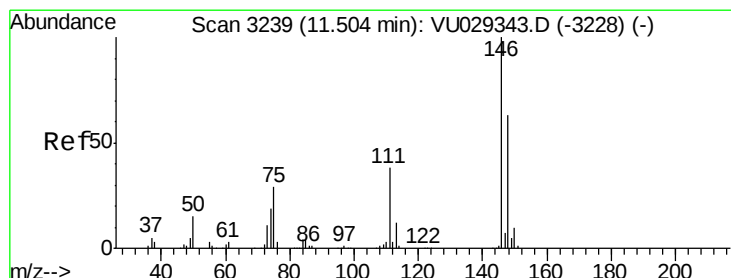
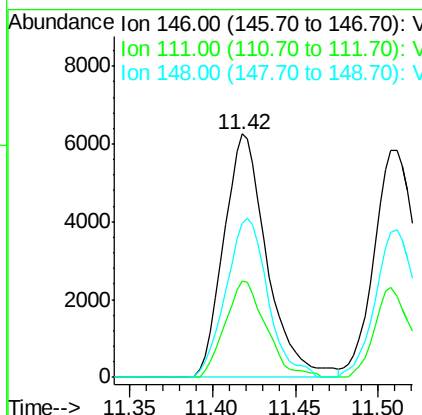
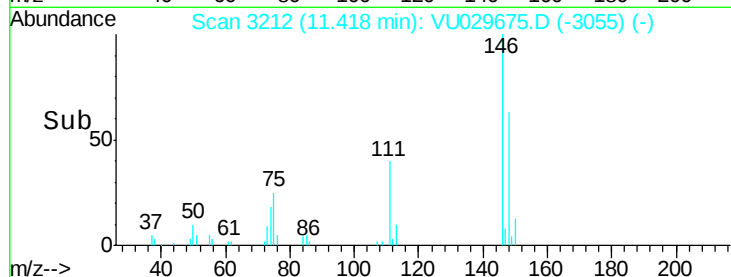
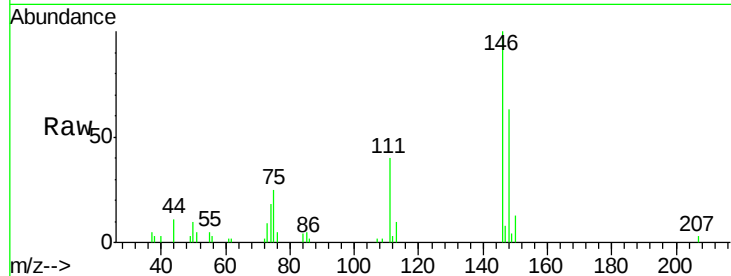
#82
 1,3-Dichlorobenzene
 Concen: 0.278 ug/l
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU029675.D
 Acq: 26 Feb 2019 12:08

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	34.1	51.1
148	63.1	52.3	78.5

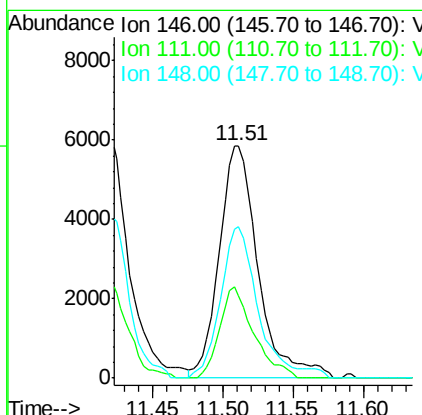
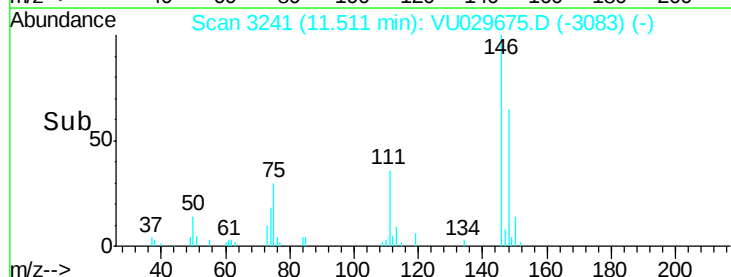
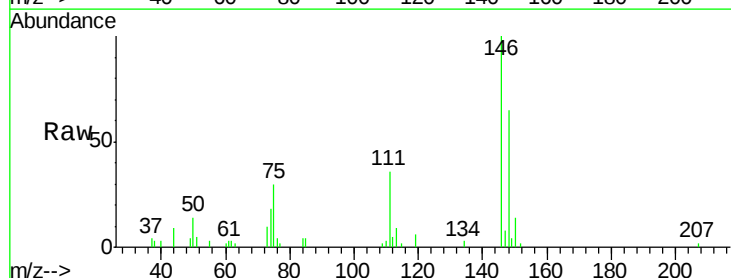
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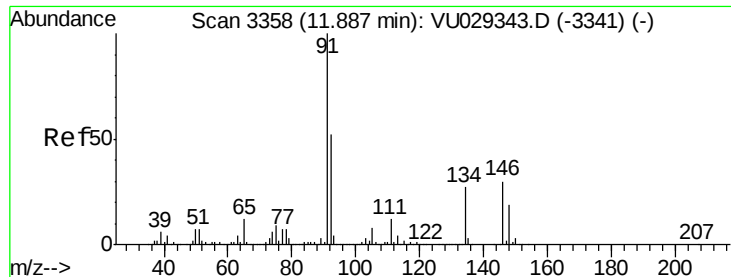
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 3/5/2019 9:31:58 AM



#83
 1,4-Dichlorobenzene
 Concen: 0.277 ug/l
 RT: 11.51 min Scan# 3241
 Delta R.T. 0.01 min
 Lab File: VU029675.D
 Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	32.9	49.3
148	63.7	51.8	77.6





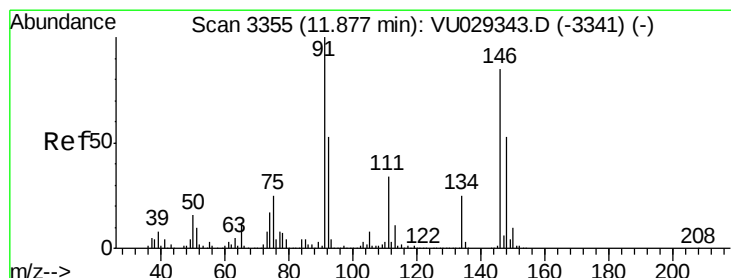
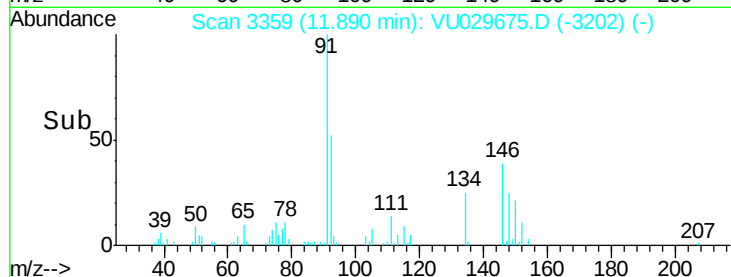
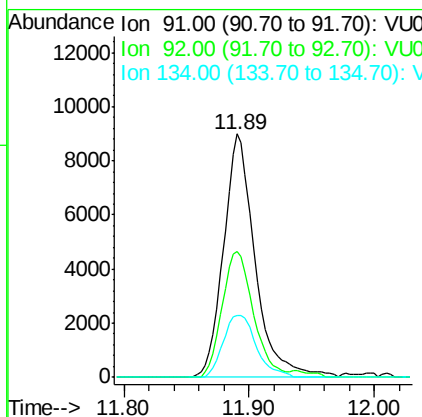
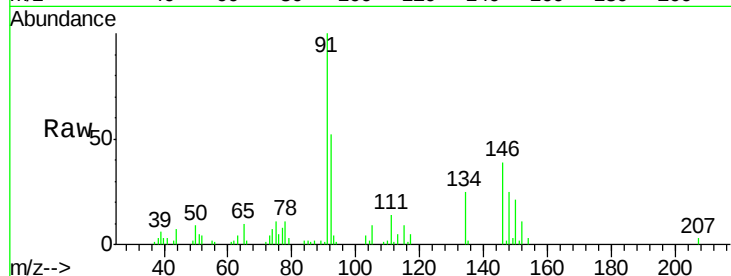
#84
n-Butylbenzene
Concen: 0.211 ug/l
RT: 11.89 min Scan# 3359
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	41.0	61.6
134	26.6	19.1	28.7

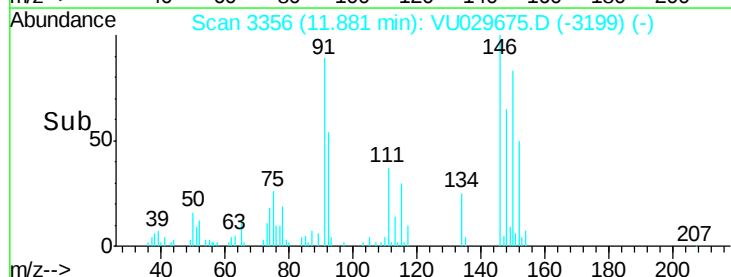
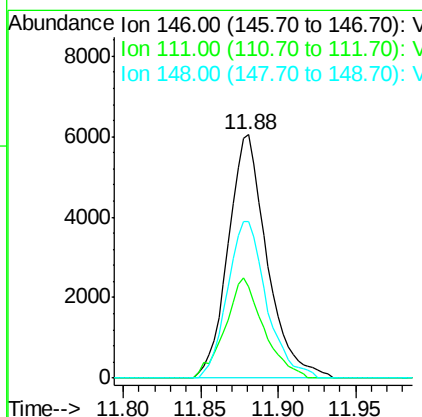
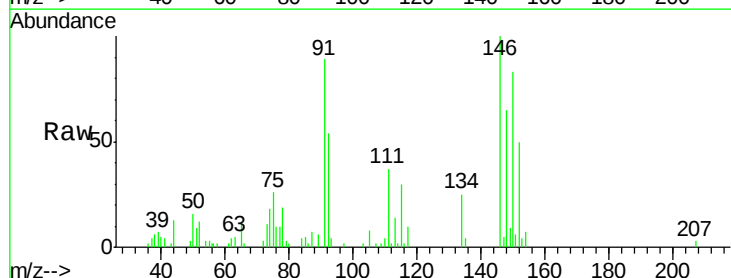
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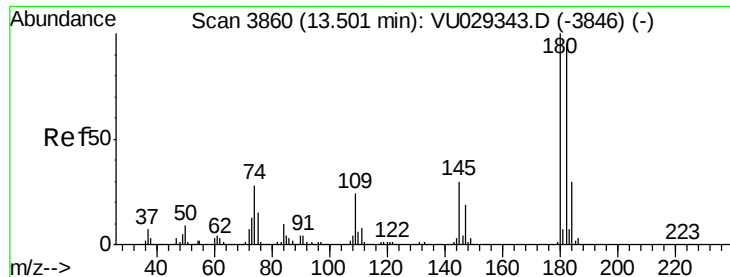
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3/5/2019 9:31:58 AM



#85
1,2-Dichlorobenzene
Concen: 0.274 ug/l
RT: 11.88 min Scan# 3356
Delta R.T. 0.00 min
Lab File: VU029675.D
Acq: 26 Feb 2019 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.9	65.8
148	64.7	31.8	95.3





#87

1,2,4-Trichlorobenzene

Concen: 0.230 ug/l

RT: 13.50 min Scan# 3861

Delta R.T. 0.00 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

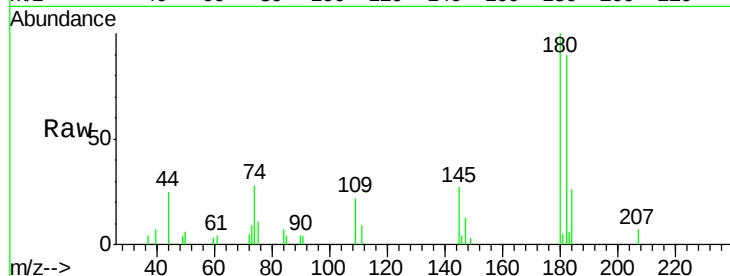
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

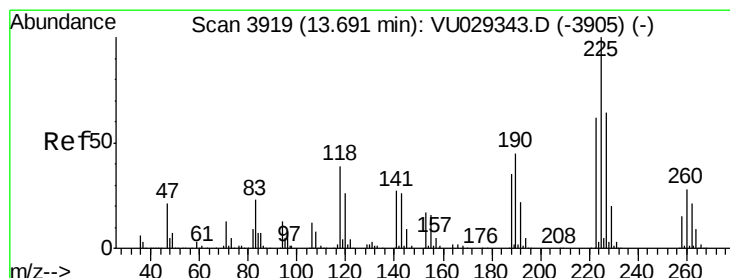
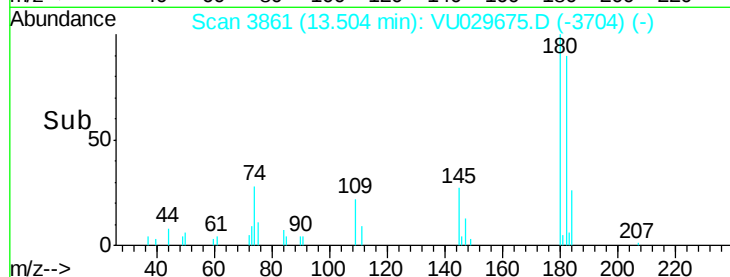
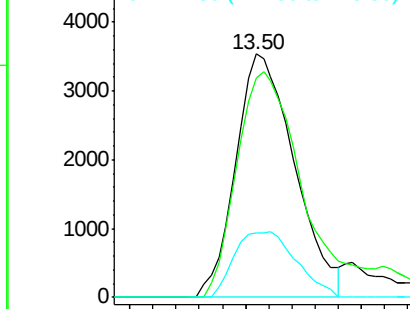
Tot Ion:	180	Resp:	6227
Ion Ratio	Lower	Upper	
180	100		
182	103.3	76.6	114.8
145	28.3	24.6	36.8

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



#88

Hexachlorobutadiene

Concen: 0.252 ug/l

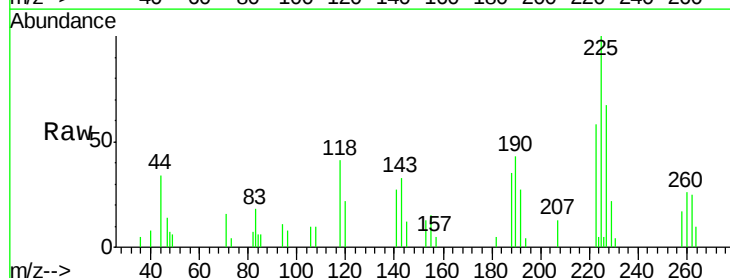
RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

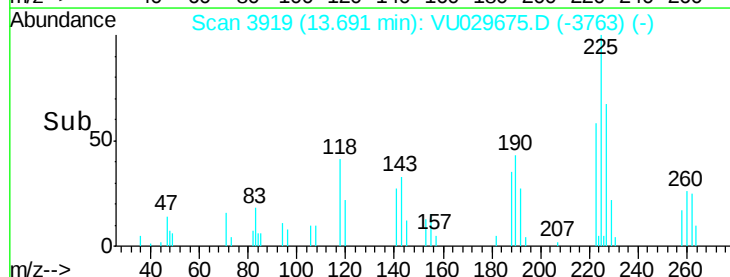
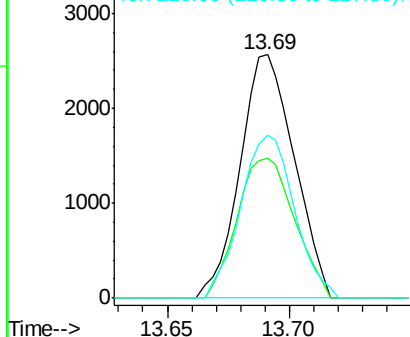
Lab File: VU029675.D

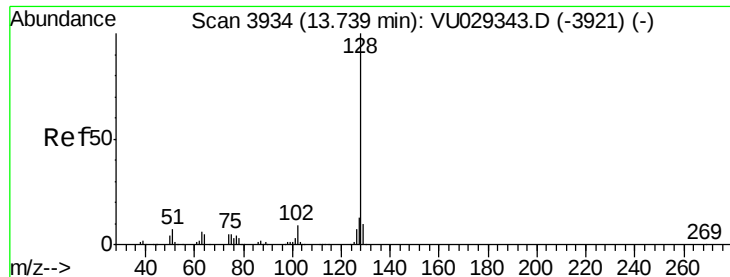
Acq: 26 Feb 2019 12:08

Tgt Ion:	225	Resp:	3945
Ion Ratio	Lower	Upper	
225	100		
223	60.8	49.5	74.3
227	66.8	50.4	75.6



Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.263 ug/l

RT: 13.75 min Scan# 3938

Delta R.T. 0.01 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Instrument :

MSVOA_U

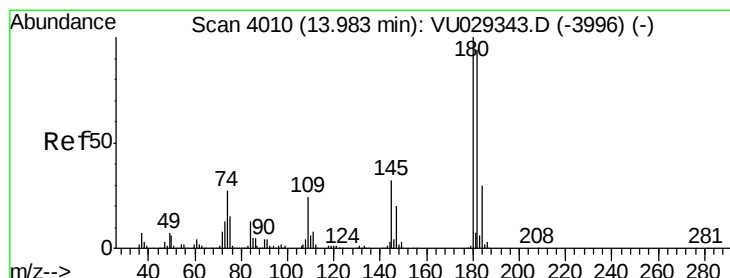
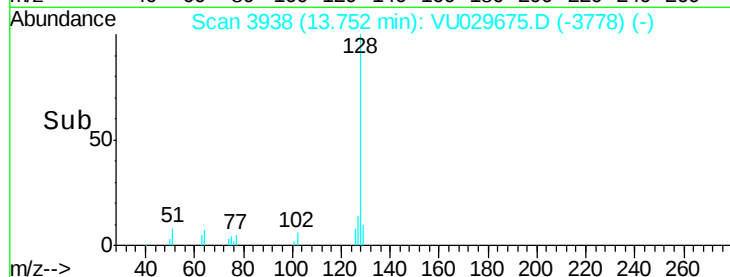
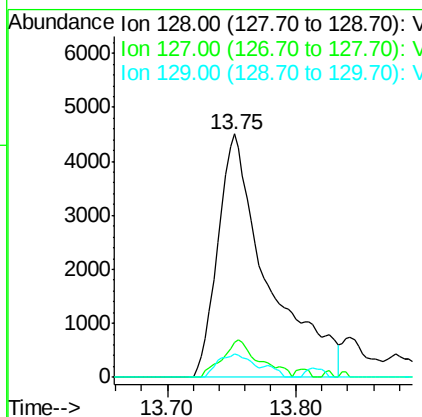
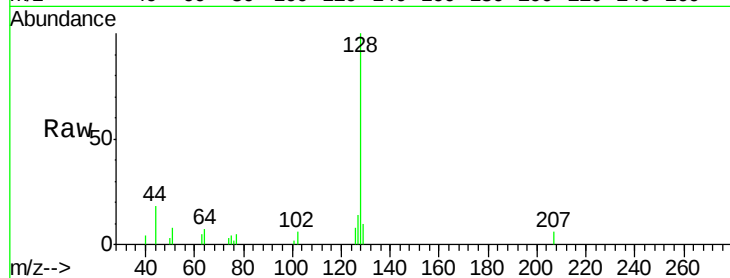
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	128	Resp:	12039
Ion Ratio	Lower	Upper	
128	100		
127	11.3	10.7	16.1
129	6.4	8.2	12.4#

Manual Integrations
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#90

1,2,3-Trichlorobenzene

Concen: 0.268 ug/l

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU029675.D

Acq: 26 Feb 2019 12:08

Tgt Ion:	180	Resp:	6621
Ion Ratio	Lower	Upper	
180	100		
182	91.6	78.0	117.0
145	30.9	26.6	39.8

