

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025338.D
 Acq On : 12 Jul 2018 14:19
 Operator : MD/SY
 Sample : J3762-07 LOD/MDL 0.2PPB
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Manual Integrations
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MMDadoda
 7/13/2018 11:44:13 AM

Quant Time: Jul 13 03:38:35 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	164810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	247647	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	223584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	107583	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	119336	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
35) Dibromofluoromethane	4.89	113	91972	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	
50) Toluene-d8	7.57	98	295543	41.31	ug/l	0.00
Spiked Amount			Recovery	=	82.62%	
62) 4-Bromofluorobenzene	10.31	95	110881	38.50	ug/l	0.00
Spiked Amount			Recovery	=	77.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	352	0.206	ug/l	74
3) Chloromethane	1.33	50	886	1.079	ug/l	89
4) Vinyl Chloride	1.40	62	441	0.235	ug/l #	82
5) Bromomethane	1.63	94	722	Below Cal		88
7) Trichlorofluoromethane	1.89	101	691	0.235	ug/l	93
8) Diethyl Ether	2.10	74	229	0.207	ug/l #	1
15) Acrylonitrile	2.95	53	1163	1.013	ug/l	93
16) Acetone	2.33	43	2075	6.425	ug/l #	86
17) Carbon Disulfide	2.48	76	1141	2.156	ug/l #	74
19) Methyl tert-butyl Ether	3.00	73	1380	0.217	ug/l #	88
20) Methylene Chloride	2.71	84	940	1.160	ug/l #	88
22) Diisopropyl ether	3.57	45	1492	0.241	ug/l #	79
23) Vinyl Acetate	3.54	43	6067	1.118	ug/l #	86
25) 2-Butanone	4.29	43	1994m	1.124	ug/l	
29) Tetrahydrofuran	4.65	42	1492	1.402	ug/l #	64
30) Chloroform	4.68	83	839	0.227	ug/l	96
31) Cyclohexane	4.98	56	4033	1.971	ug/l #	32
32) 1,1,1-Trichloroethane	4.93	97	781	0.233	ug/l #	24
36) 1,1-Dichloropropene	5.14	75	563	0.204	ug/l #	69
37) Ethyl Acetate	4.40	43	830	0.270	ug/l #	69
40) Benzene	5.40	78	1659	0.209	ug/l	97
44) Trichloroethene	6.19	130	573	0.252	ug/l	83
45) 1,2-Dichloropropane	6.44	63	435	0.209	ug/l #	84
46) Dibromomethane	6.57	93	323m	0.214	ug/l	
48) Methyl methacrylate	6.64	41	499m	0.204	ug/l	
51) 4-Methyl-2-Pentanone	7.47	43	3145	0.984	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	424	0.202	ug/l #	62
58) 2-Chloroethyl Vinyl ether	7.14	63	929	11.689	ug/l #	81
59) 2-Hexanone	8.38	43	2458	0.948	ug/l	81
65) Chlorobenzene	9.12	112	1151	0.206	ug/l #	87
68) m/p-Xylenes	9.38	106	1566	0.425	ug/l	96
73) Isopropylbenzene	10.17	105	1866	0.227	ug/l	89
75) 1,1,2,2-Tetrachloroethane	10.46	83	670	0.249	ug/l #	87
78) n-propylbenzene	10.59	91	1984	0.218	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
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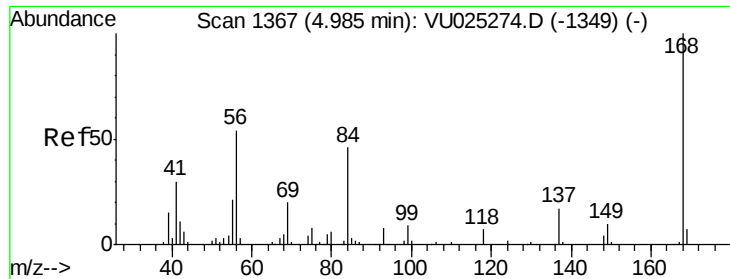
Manual Integrations
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	10.66	91	1339	0.400	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	1649	0.238	ug/l	82
83) tert-Butylbenzene	11.10	119	1703	0.244	ug/l	93
85) sec-Butylbenzene	11.33	105	1743	0.212	ug/l	95
87) 1,3-Dichlorobenzene	11.43	146	821	0.214	ug/l	93
88) 1,4-Dichlorobenzene	11.51	146	990m	1.743	ug/l	
91) 1,2-Dichlorobenzene	11.89	146	841	0.217	ug/l #	85

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:168 Resp: 164810

Ion Ratio Lower Upper

168 100

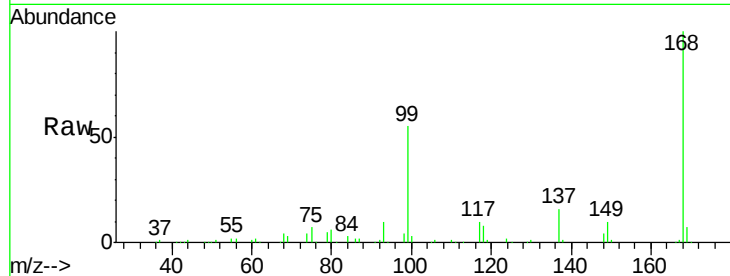
99 54.4 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

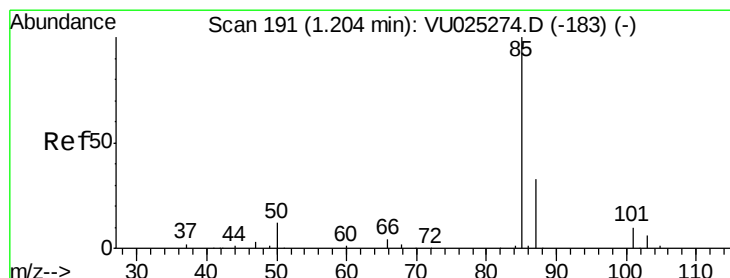
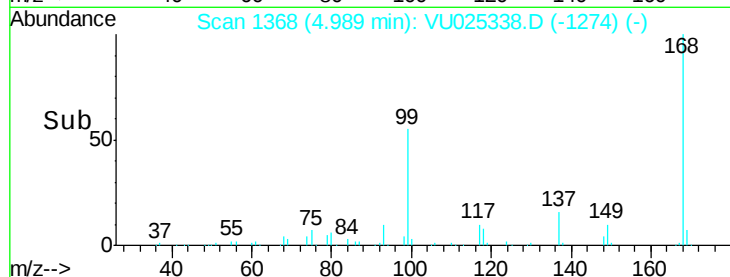
40000

20000

0

Time-->

4.90 4.95 5.00 5.05



#2

Dichlorodifluoromethane

Concen: 0.206 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025338.D

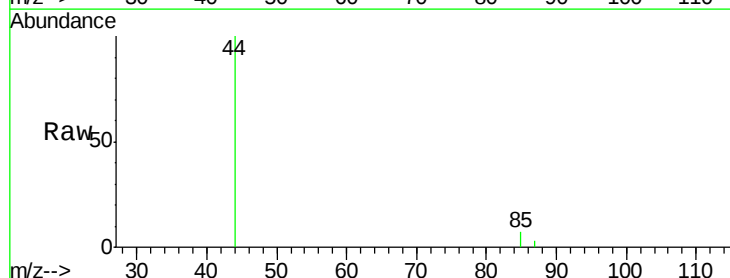
Acq: 12 Jul 2018 14:19

Tgt Ion: 85 Resp: 352

Ion Ratio Lower Upper

85 100

87 47.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.20

400

300

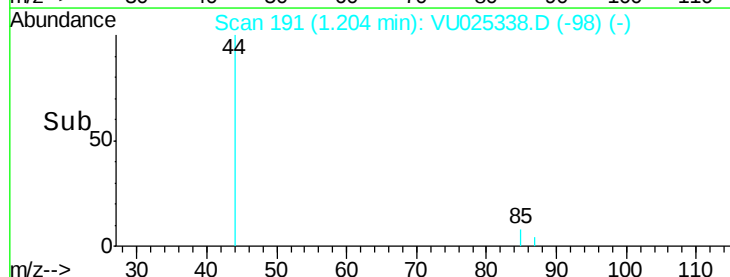
200

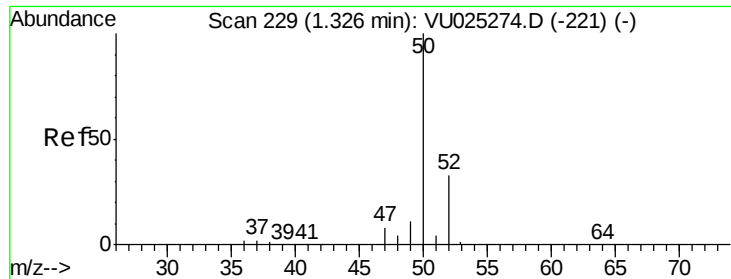
100

0

Time-->

1.18 1.20 1.22





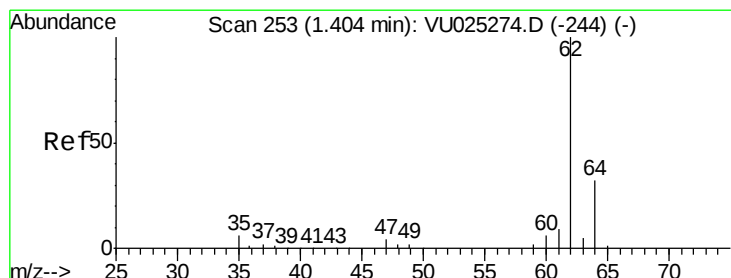
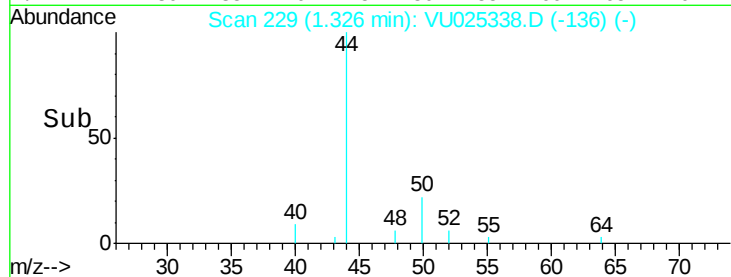
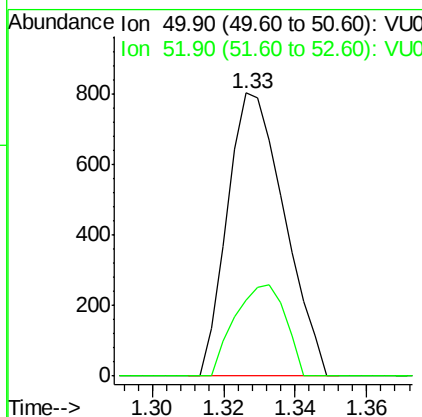
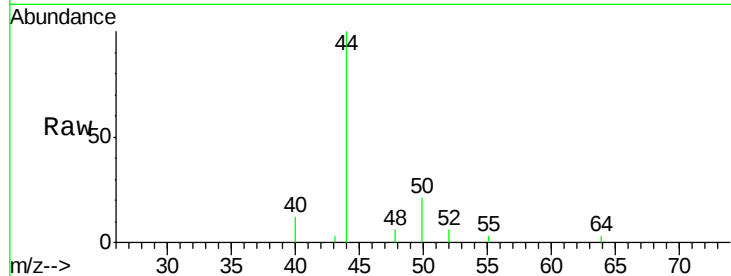
#3
 Chloromethane
 Concen: 1.079 ug/l
 RT: 1.33 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VU025338.D
 Acq: 12 Jul 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
50	100		
52	26.8	26.5	39.7

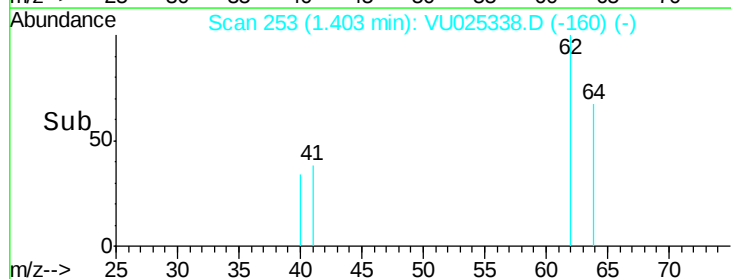
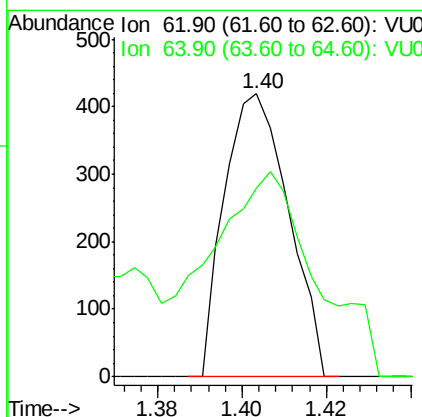
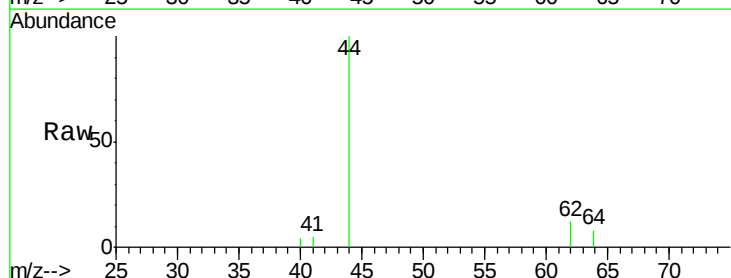
Manual Integrations
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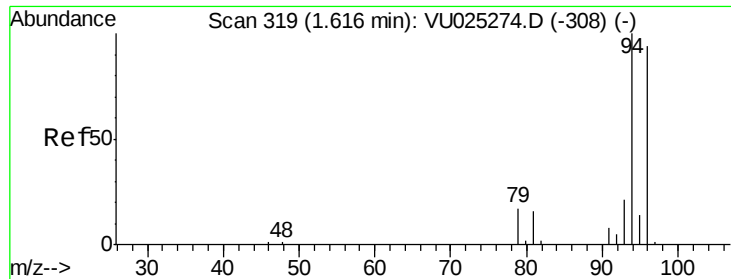
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#4
 Vinyl Chloride
 Concen: 0.235 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VU025338.D
 Acq: 12 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
62	100		
64	41.5	25.4	38.0





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 94 Resp: 722

Ion Ratio Lower Upper

94 100

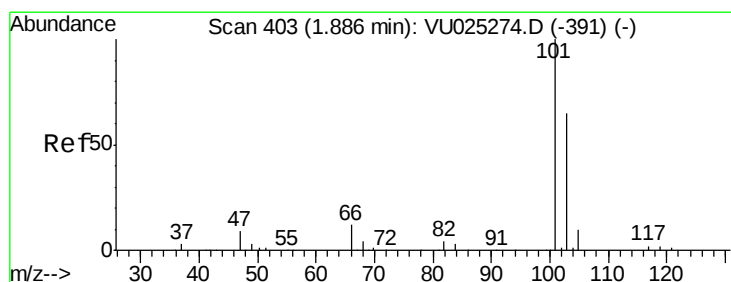
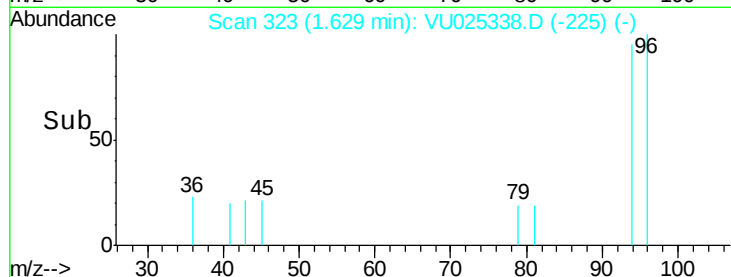
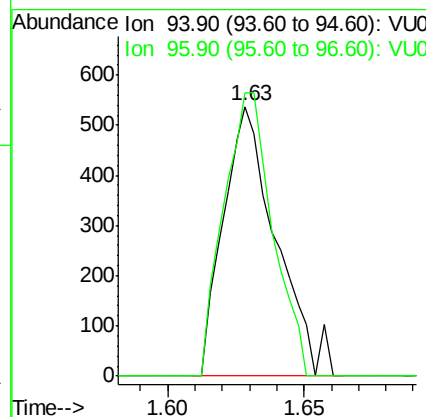
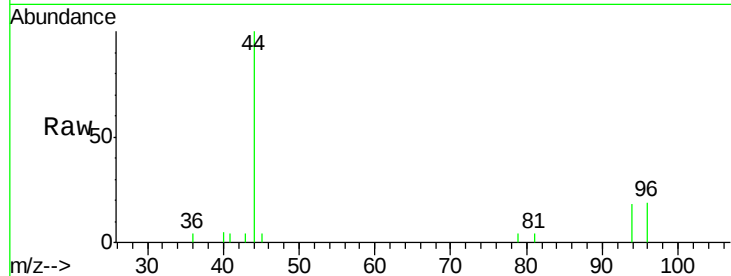
96 105.0 75.0 112.4

Manual Integrations

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7/13/2018 11:44:13 AM



#7

Trichlorofluoromethane

Concen: 0.235 ug/l

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU025338.D

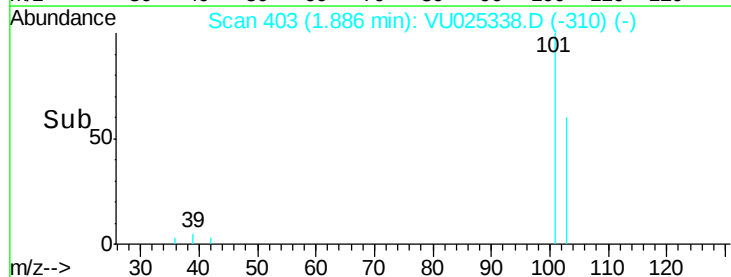
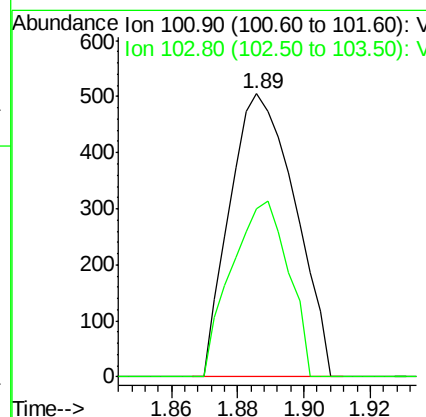
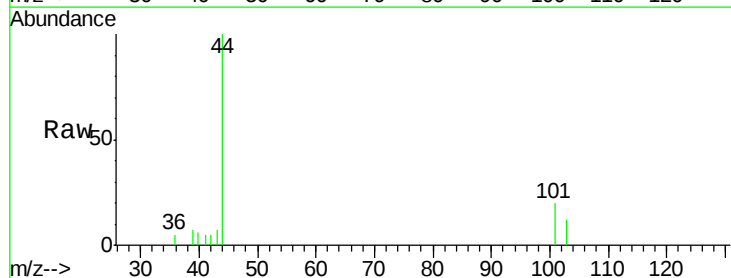
Acq: 12 Jul 2018 14:19

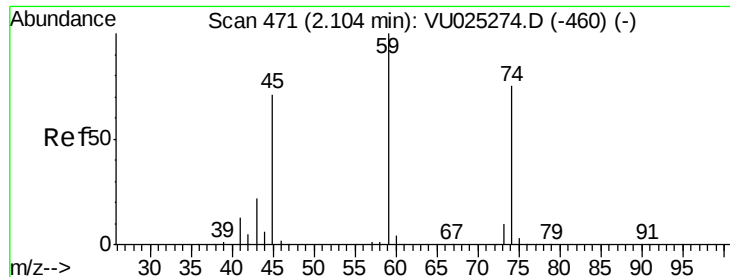
Tgt Ion:101 Resp: 691

Ion Ratio Lower Upper

101 100

103 59.6 52.2 78.2





#8

Diethyl Ether

Concen: 0.207 ug/l

RT: 2.10 min Scan# 469

Delta R.T. -0.01 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 74 Resp: 229

Ion Ratio Lower Upper

74 100

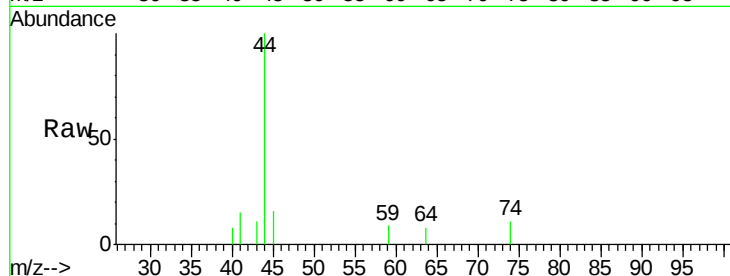
45 297.8 48.3 144.9#

Manual Integrations

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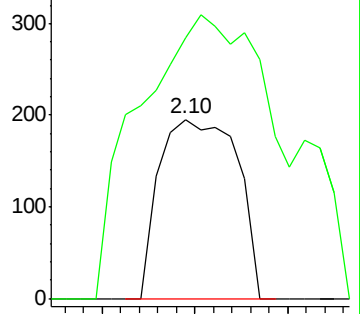
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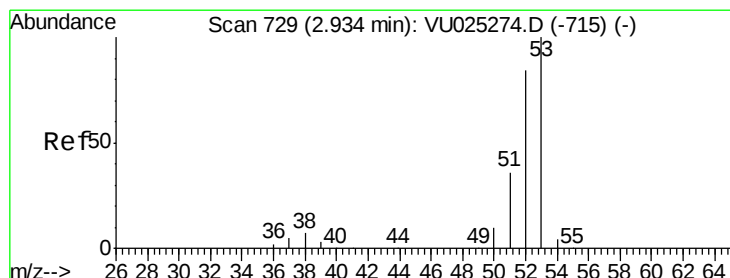
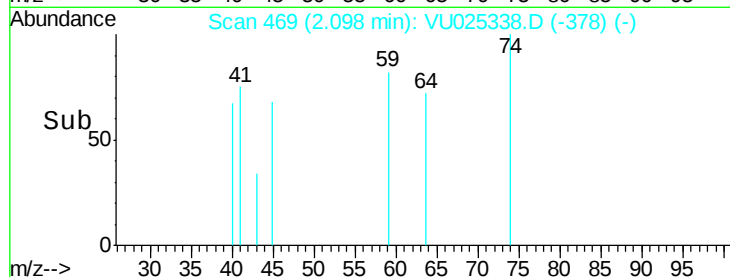


Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



Time-->



#15

Acrylonitrile

Concen: 1.013 ug/l

RT: 2.95 min Scan# 734

Delta R.T. 0.02 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

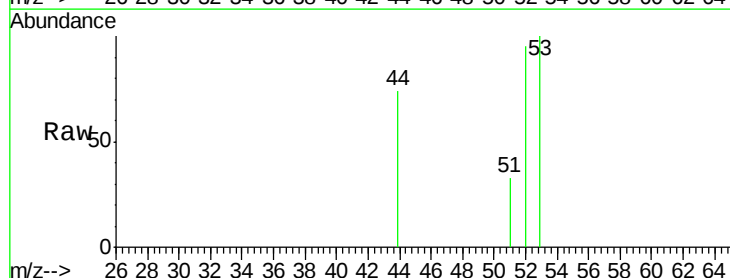
Tgt Ion: 53 Resp: 1163

Ion Ratio Lower Upper

53 100

52 89.0 66.6 99.8

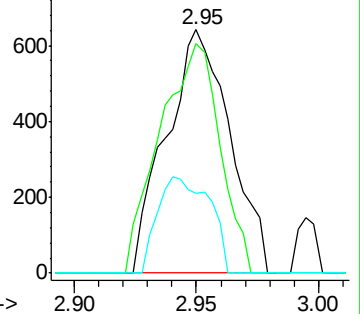
51 32.4 29.4 44.2



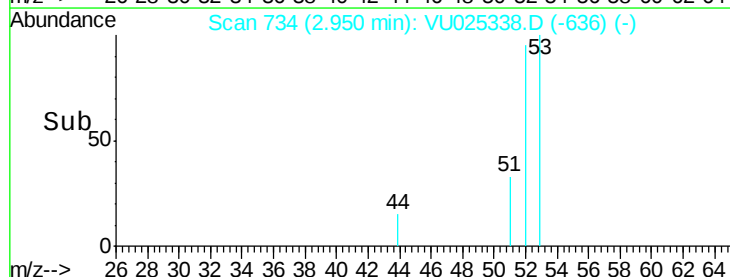
Abundance Ion 53.00 (52.70 to 53.70): VU0

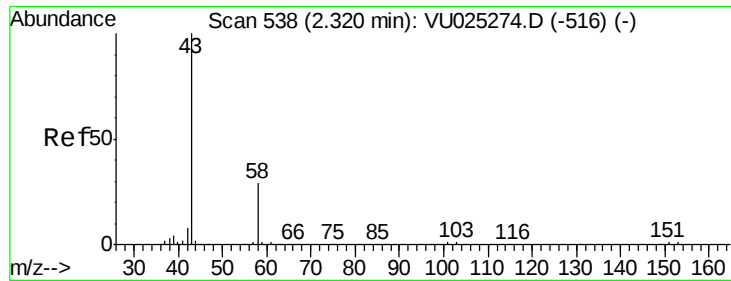
Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



Time-->





#16

Acetone

Concen: 6.425 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 2075

Ion Ratio Lower Upper

43 100

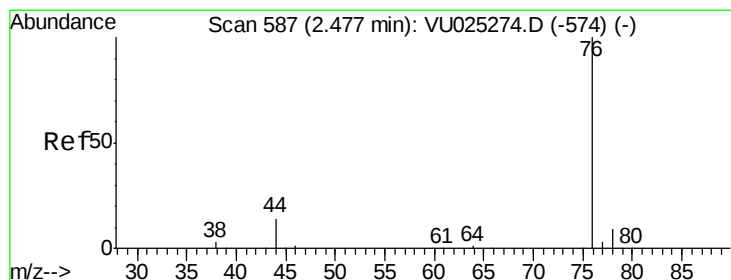
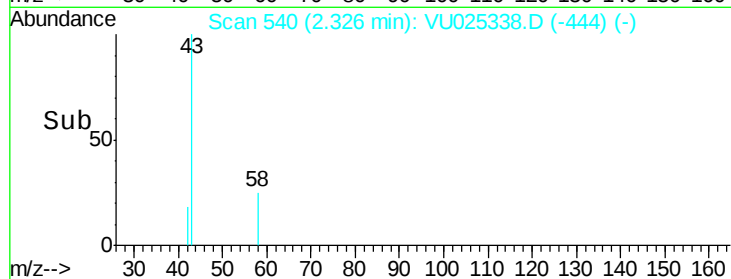
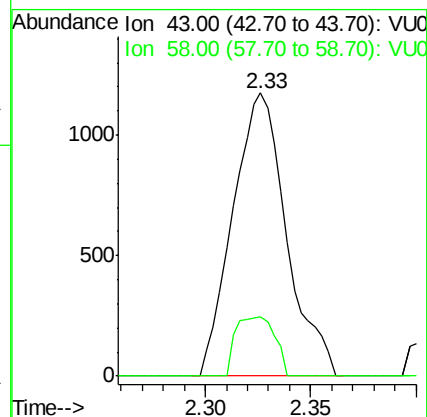
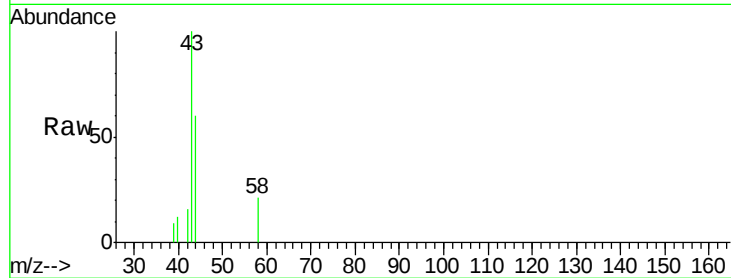
58 21.2 23.1 34.7#

Manual Integrations

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#17

Carbon Disulfide

Concen: 2.156 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025338.D

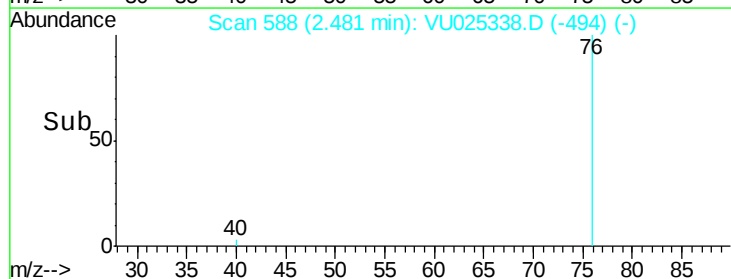
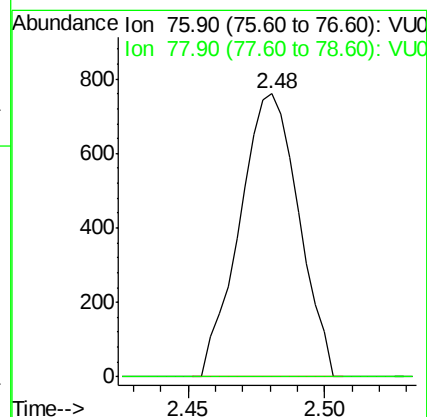
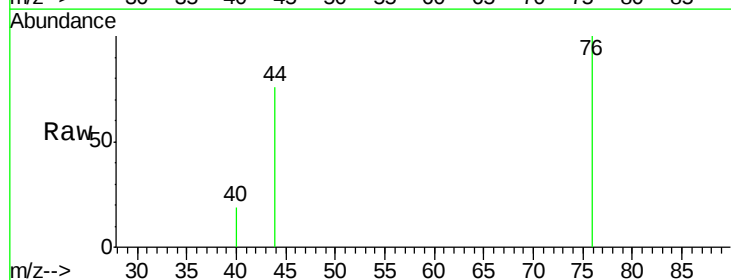
Acq: 12 Jul 2018 14:19

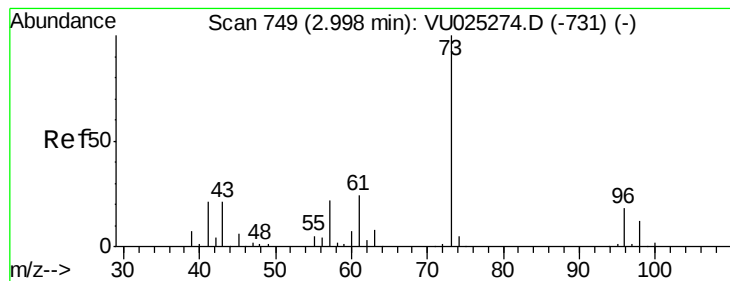
Tgt Ion: 76 Resp: 1141

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#





#19

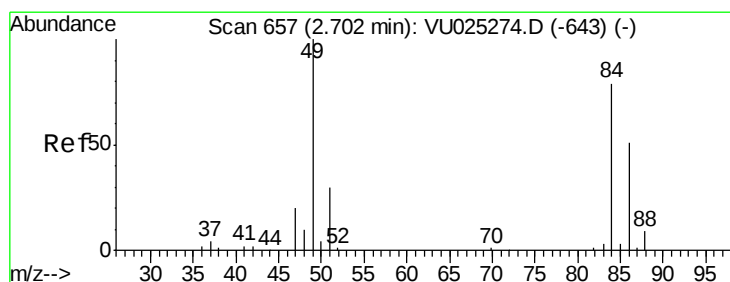
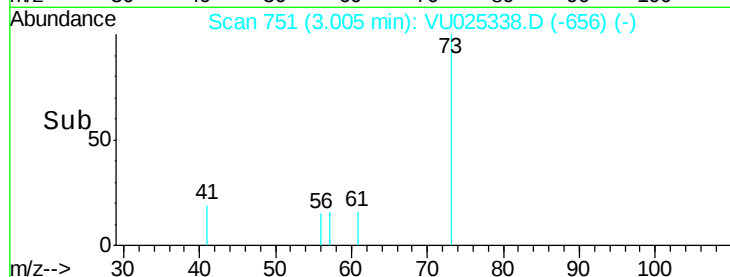
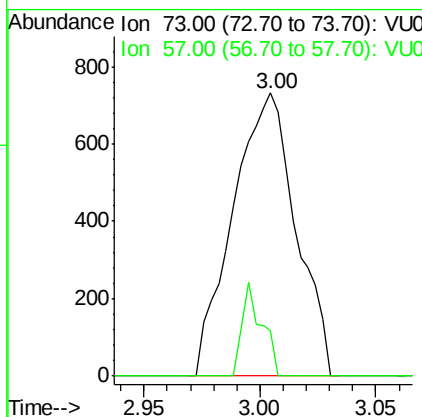
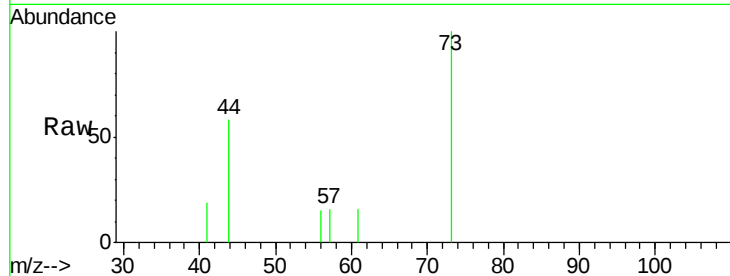
Methyl tert-butyl Ether
 Concen: 0.217 ug/l
 RT: 3.00 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VU025338.D
 Acq: 12 Jul 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion: 73 Resp: 1380
 Ion Ratio Lower Upper
 73 100
 57 16.0 17.4 26.2#

Manual Integrations
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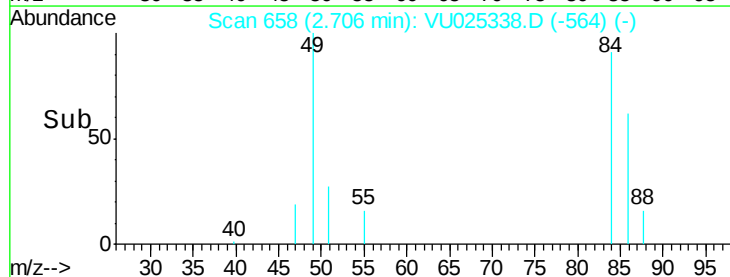
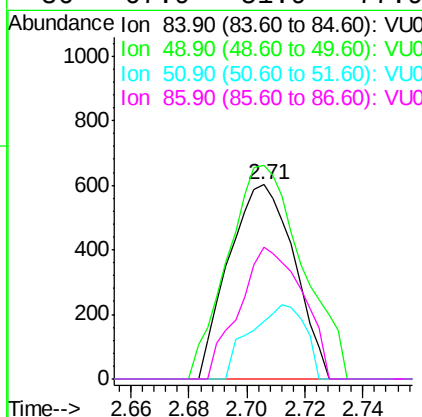
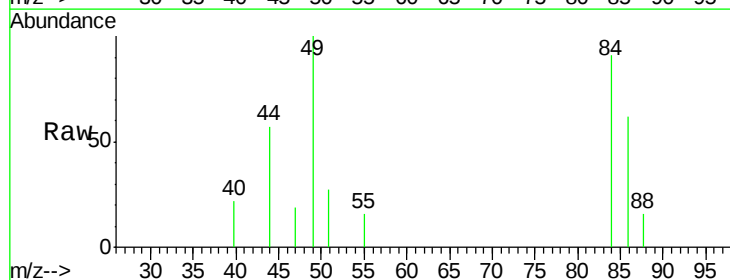
MMDadoda
 7/13/2018 11:44:13 AM

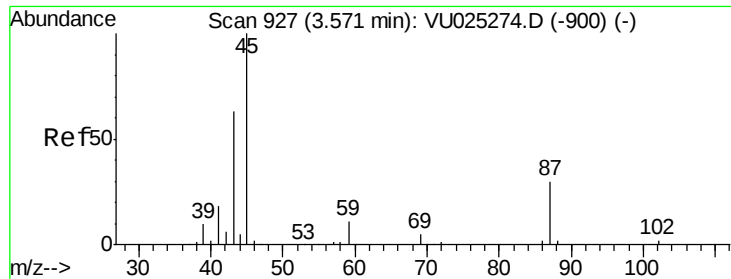


#20

Methylene Chloride
 Concen: 1.160 ug/l
 RT: 2.71 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VU025338.D
 Acq: 12 Jul 2018 14:19

Tgt Ion: 84 Resp: 940
 Ion Ratio Lower Upper
 84 100
 49 109.8 101.8 152.6
 51 29.9 30.8 46.2#
 86 67.9 51.9 77.9





#22

Diisopropyl ether

Concen: 0.241 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Instrument :

MSVOA_U

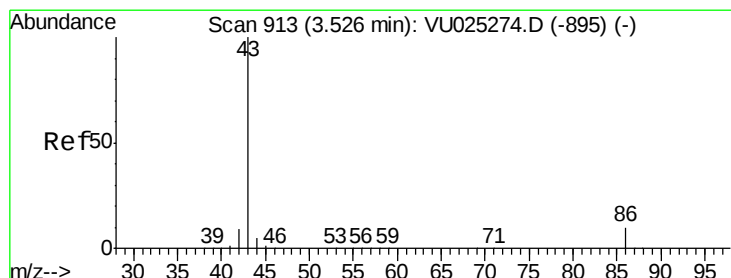
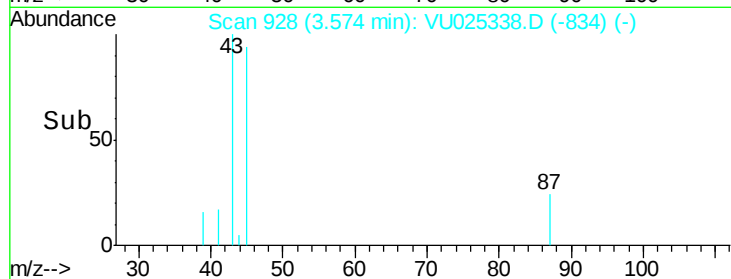
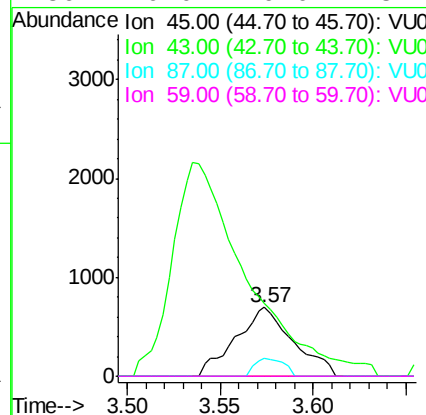
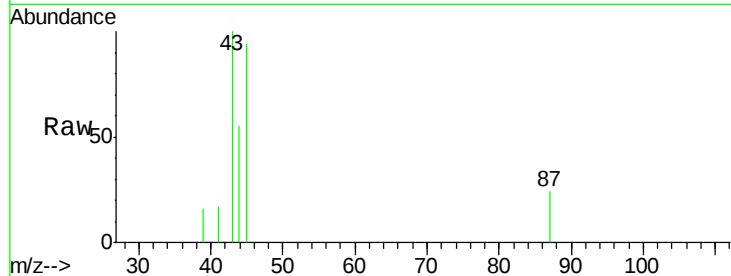
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	45	Resp:	1492
Ion Ratio	Lower	Upper	
45	100		
43	83.2	50.9	76.3#
87	25.2	23.8	35.8
59	0.0	9.0	13.4#

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#23

Vinyl Acetate

Concen: 1.118 ug/l

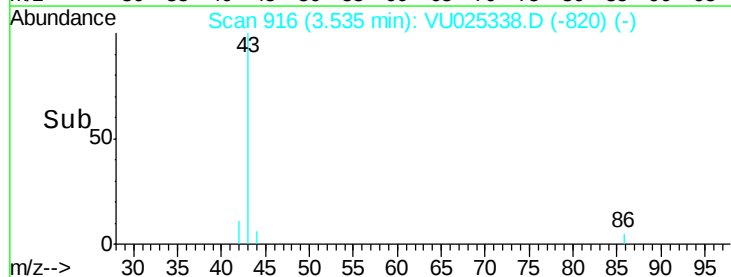
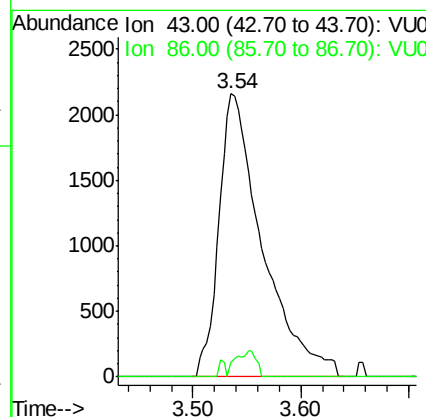
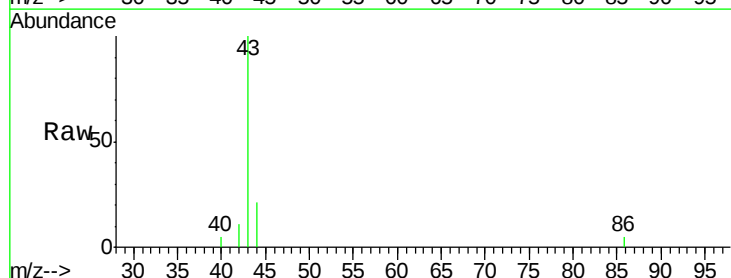
RT: 3.54 min Scan# 916

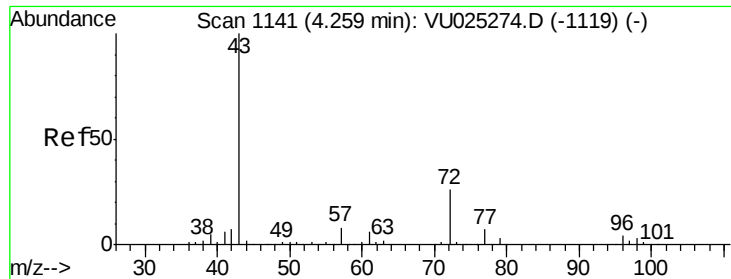
Delta R.T. 0.01 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Tgt Ion:	43	Resp:	6067
Ion Ratio	Lower	Upper	
43	100		
86	5.0	8.2	12.2#





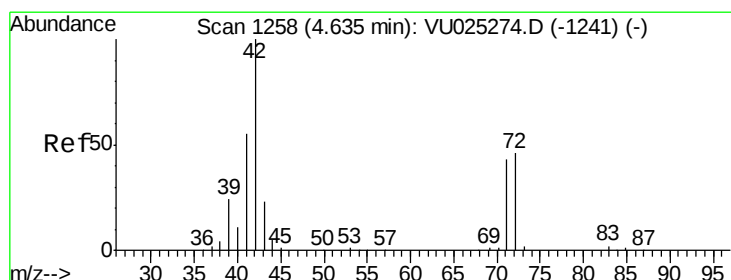
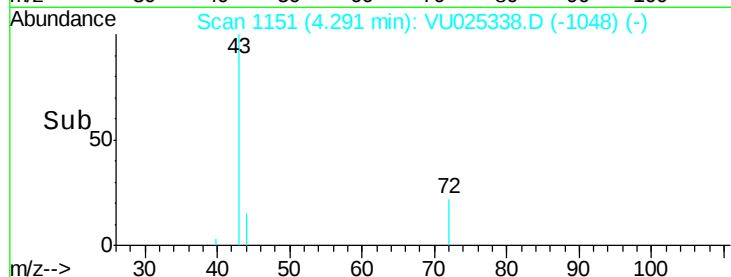
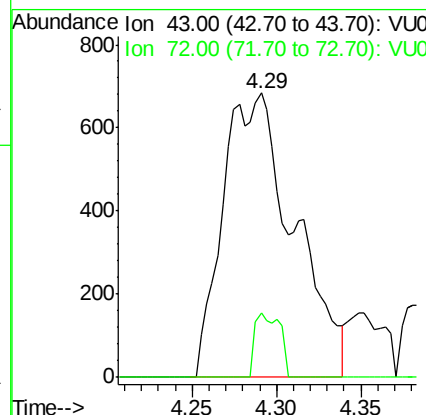
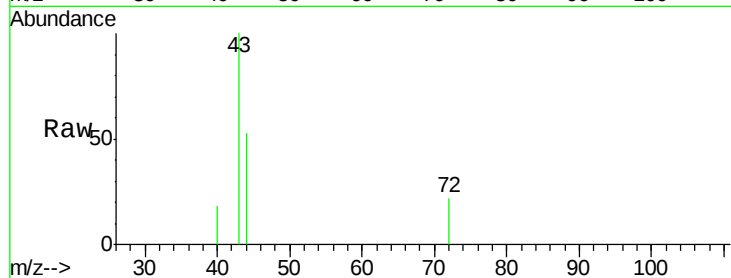
#25
 2-Butanone
 Concen: 1.124 ug/l m
 RT: 4.29 min Scan# 1151
 Delta R.T. 0.03 min
 Lab File: VU025338.D
 Acq: 12 Jul 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
43	100		
72	22.4	21.0	31.4

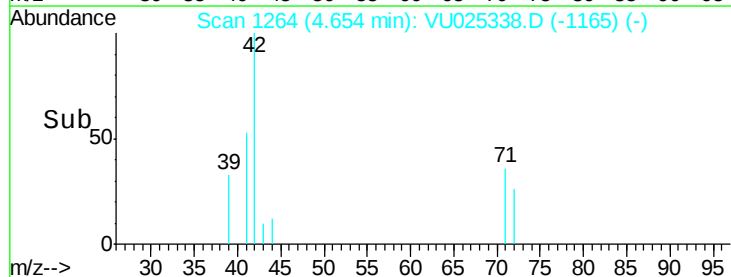
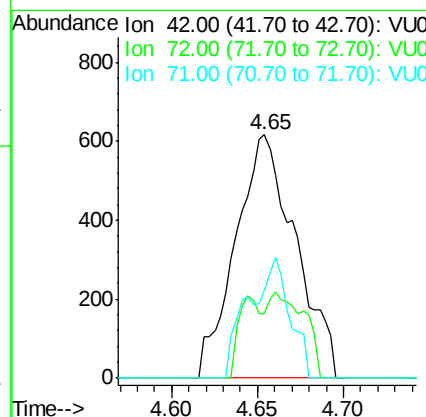
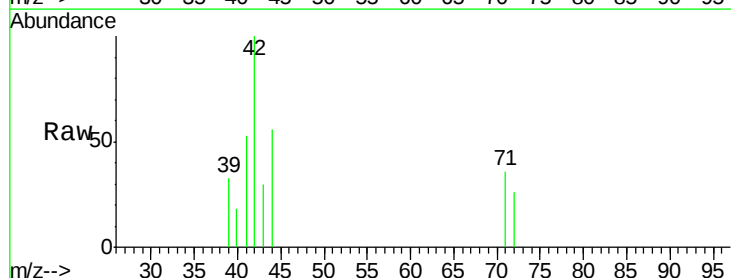
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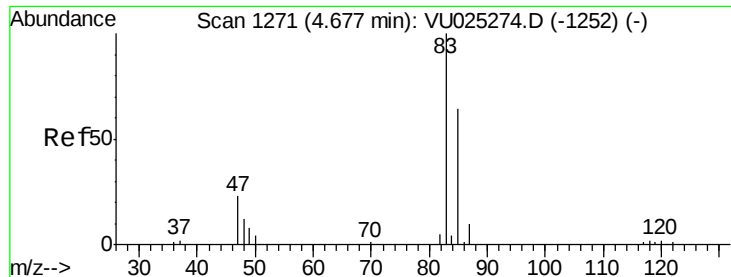
MMDadoda
 7/13/2018 11:44:13 AM



#29
 Tetrahydrofuran
 Concen: 1.402 ug/l
 RT: 4.65 min Scan# 1264
 Delta R.T. 0.02 min
 Lab File: VU025338.D
 Acq: 12 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
42	100		
72	20.6	36.7	55.1#
71	20.5	33.9	50.9#





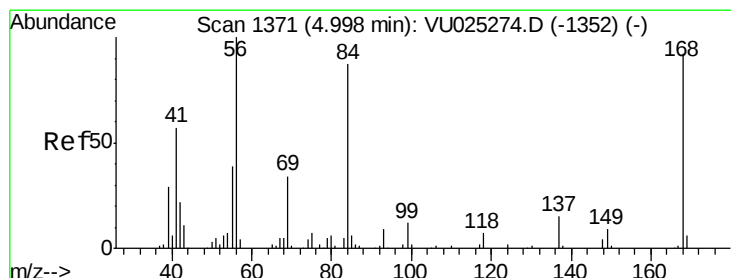
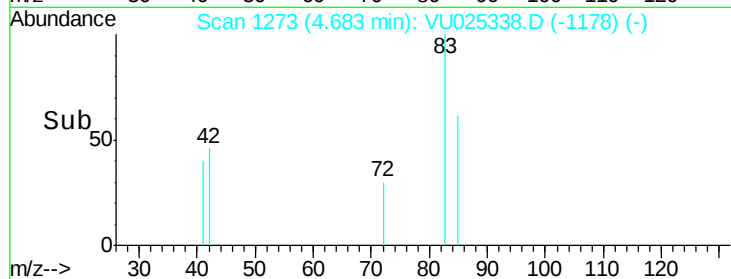
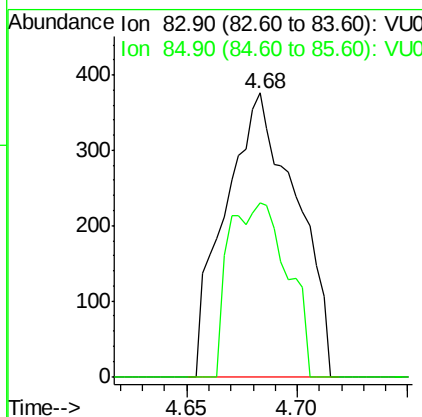
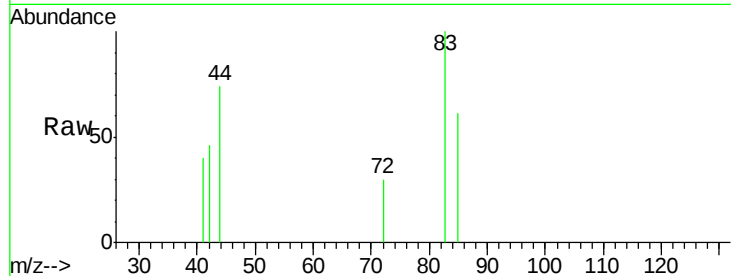
#30
Chloroform
Concen: 0.227 ug/l
RT: 4.68 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 83 Resp: 839
Ion Ratio Lower Upper
83 100
85 61.2 51.5 77.3

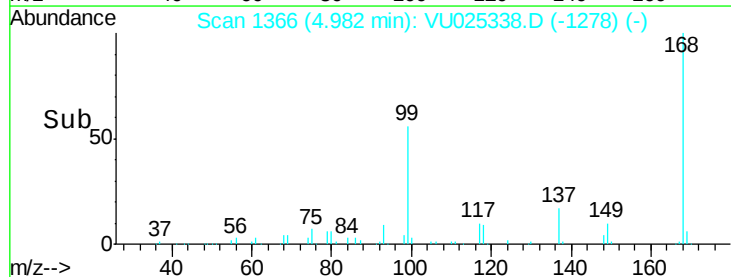
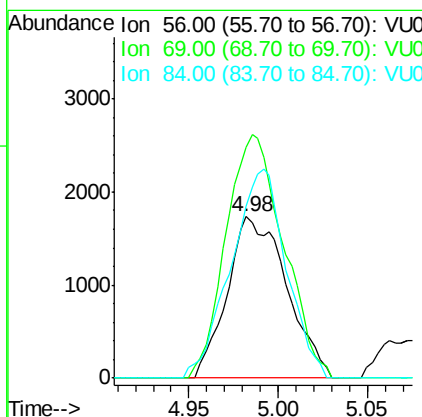
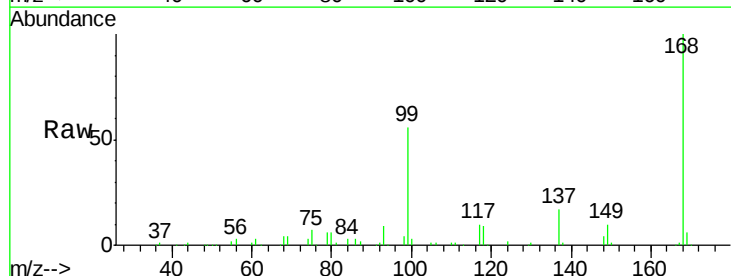
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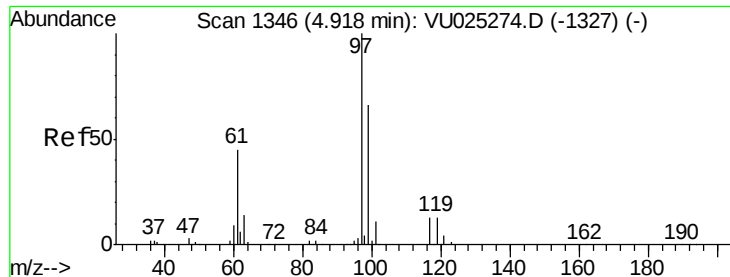
MMDadoda
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#31
Cyclohexane
Concen: 1.971 ug/l
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Tgt Ion: 56 Resp: 4033
Ion Ratio Lower Upper
56 100
69 142.9 26.8 40.2#
84 106.2 69.7 104.5#





#32

1,1,1-Trichloroethane

Concen: 0.233 ug/l

RT: 4.93 min Scan# 1349

Delta R.T. 0.01 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Instrument :

MSVOA_U

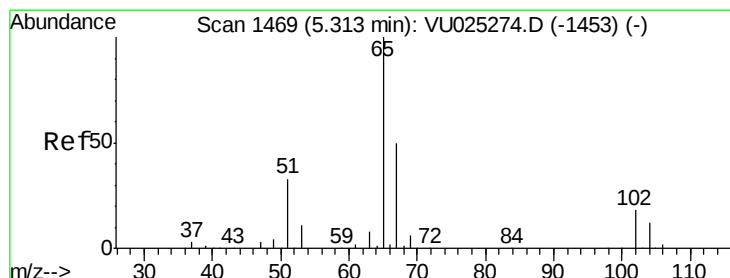
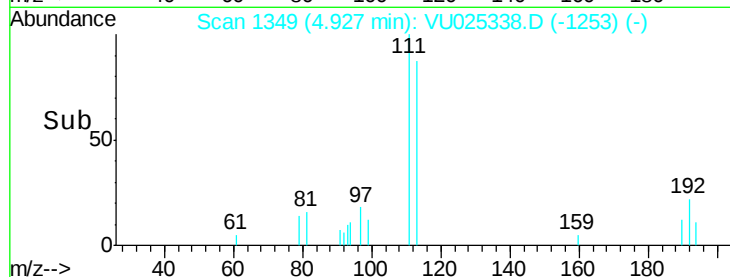
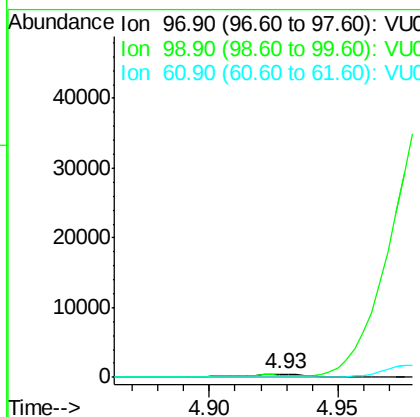
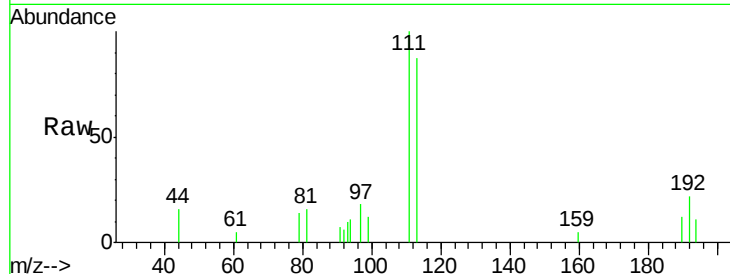
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	97	Resp:	781
Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.8	76.2#
61	0.0	35.2	52.8#

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#33

1,2-Dichloroethane-d4

Concen: 46.606 ug/l

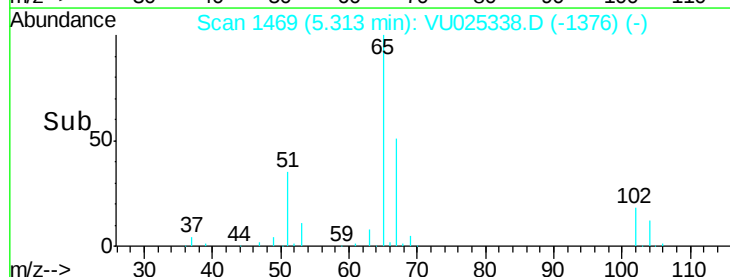
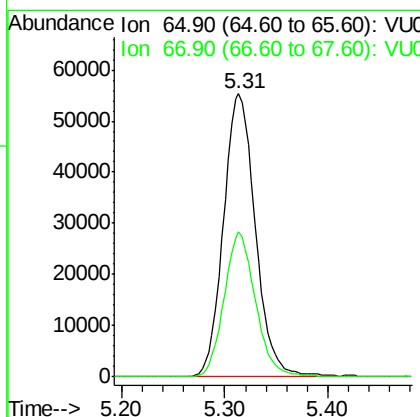
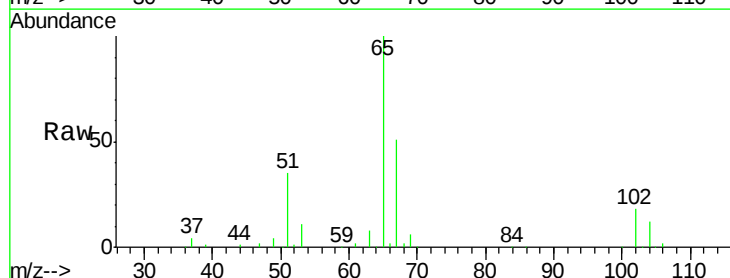
RT: 5.31 min Scan# 1469

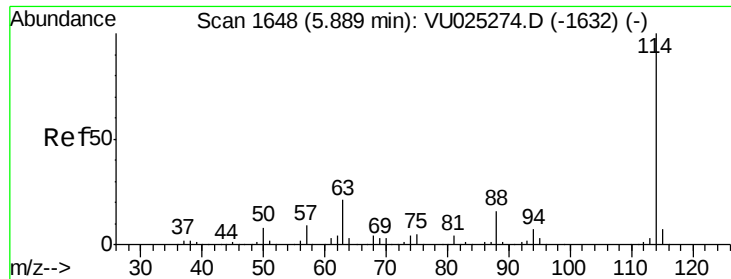
Delta R.T. -0.00 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Tgt Ion:	65	Resp:	119336
Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	103.6





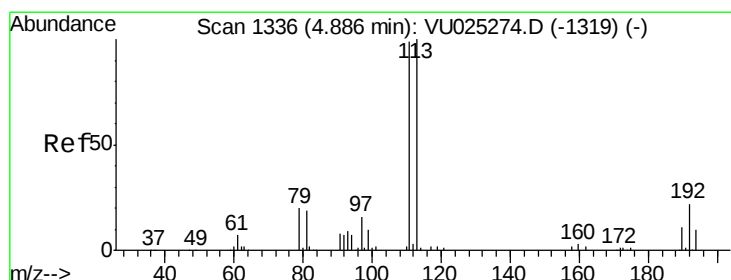
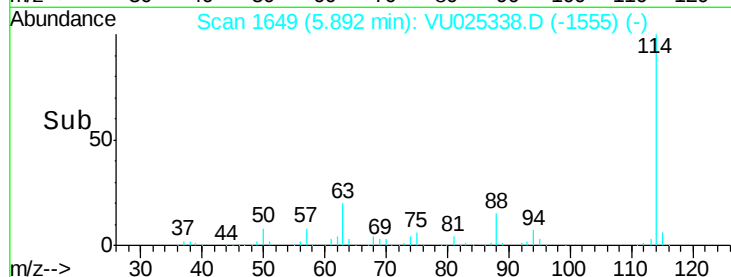
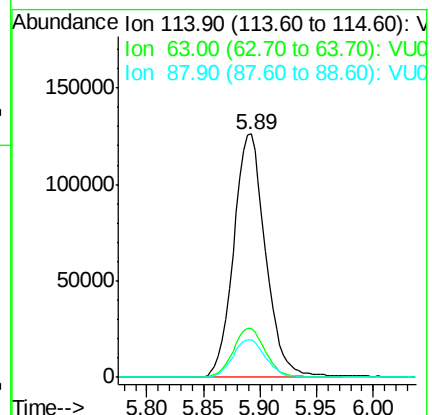
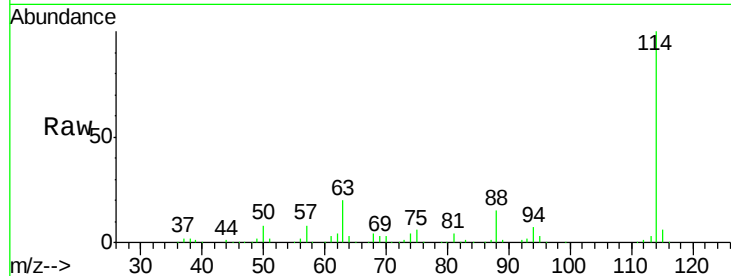
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
114	100	247647		
63	20.0	0.0	41.6	
88	15.5	0.0	32.4	

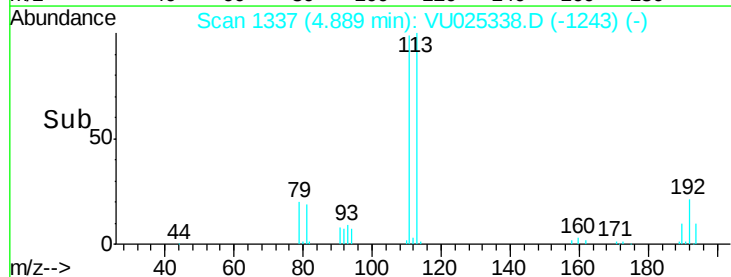
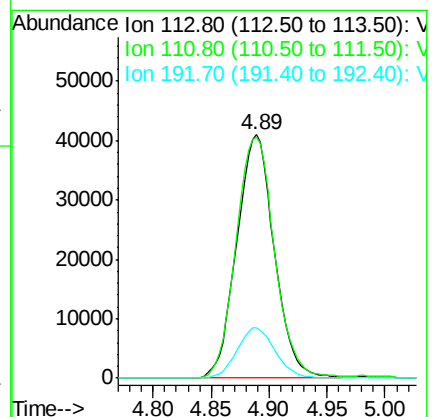
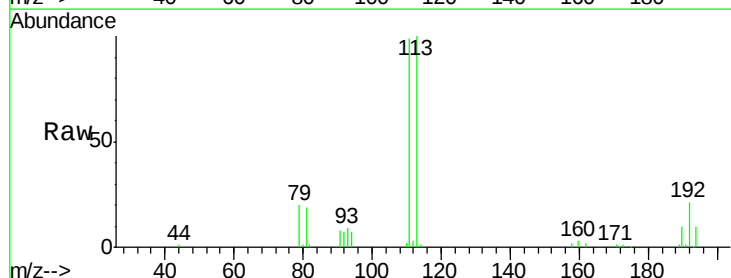
Manual Integrations
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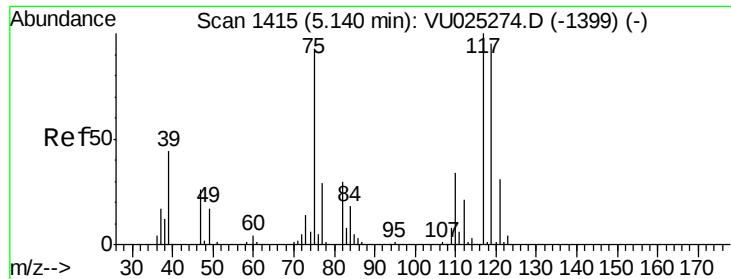
MMDadoda
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#35
Dibromofluoromethane
Concen: 44.024 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	91972		
111	101.9	81.7	122.5	
192	21.0	17.1	25.7	





#36

1,1-Dichloropropene

Concen: 0.204 ug/l

RT: 5.14 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Instrument :

MSVOA_U

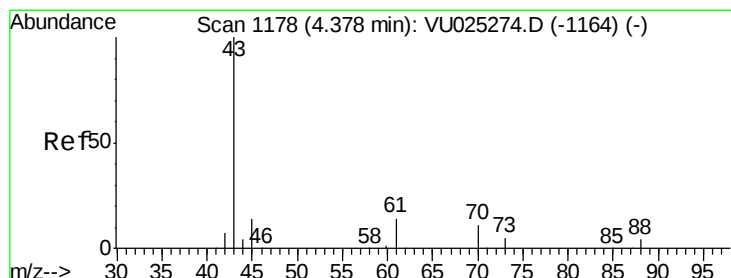
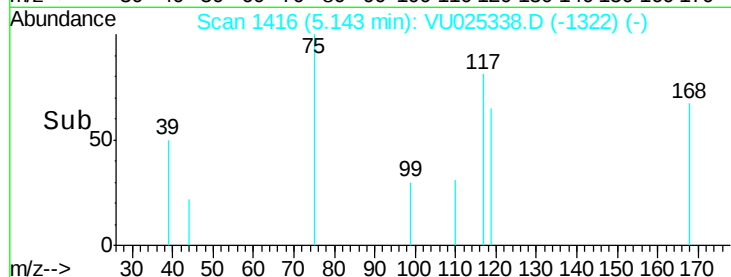
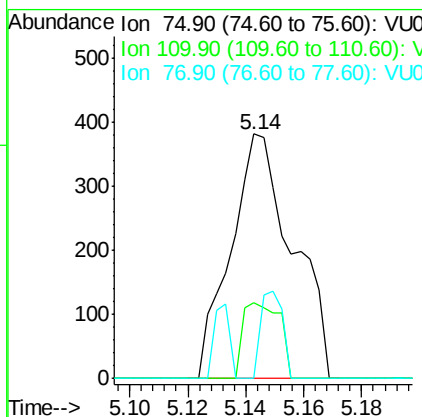
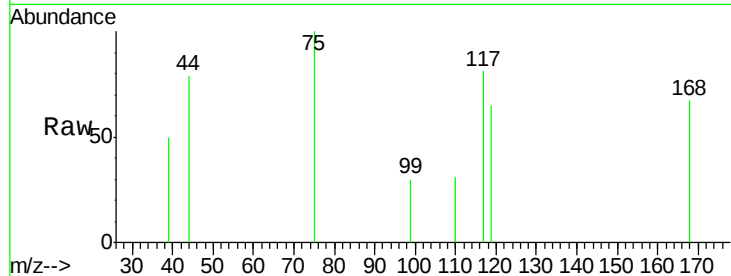
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	75	Resp:	563
Ion Ratio	Lower	Upper	
75	100		
110	18.5	17.6	52.9
77	12.8	24.4	36.6#

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#37

Ethyl Acetate

Concen: 0.270 ug/l

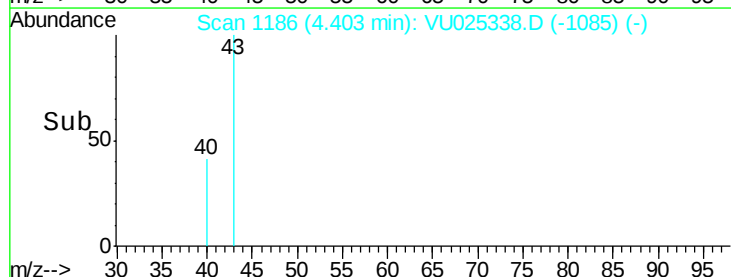
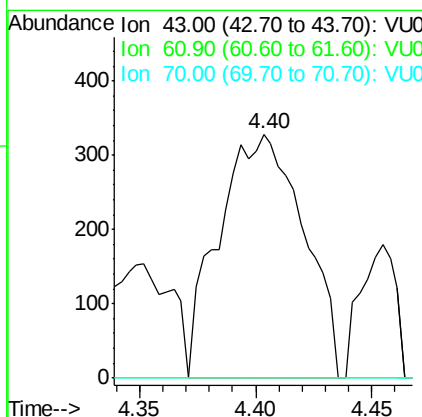
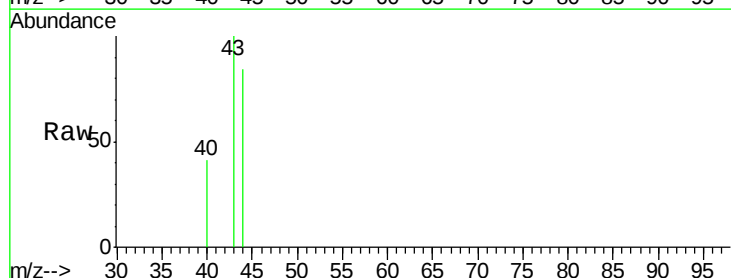
RT: 4.40 min Scan# 1186

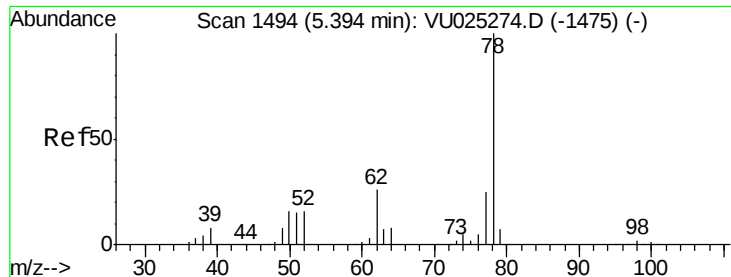
Delta R.T. 0.03 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Tgt Ion:	43	Resp:	830
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.7	16.1#
70	0.0	8.4	12.6#





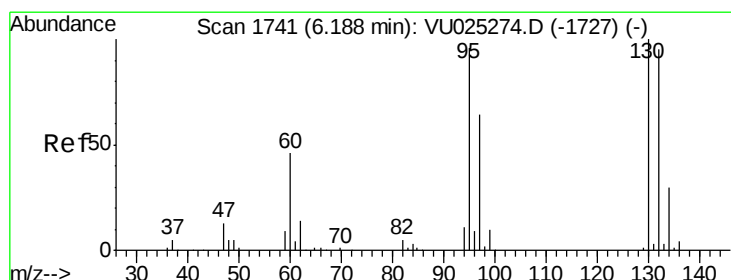
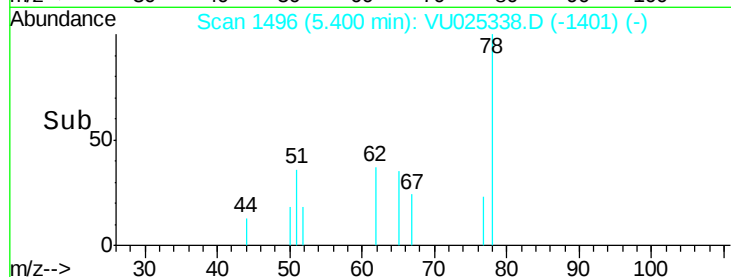
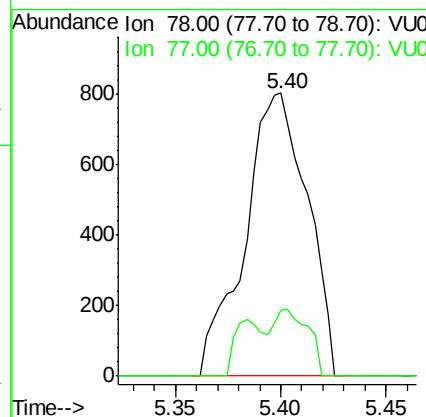
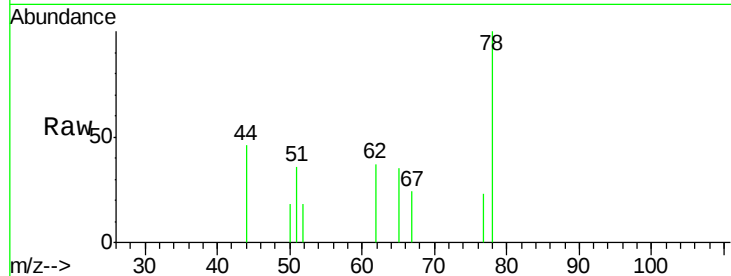
#40
Benzene
Concen: 0.209 ug/l
RT: 5.40 min Scan# 1496
Delta R.T. 0.01 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 78 Resp: 1659
Ion Ratio Lower Upper
78 100
77 23.1 19.8 29.6

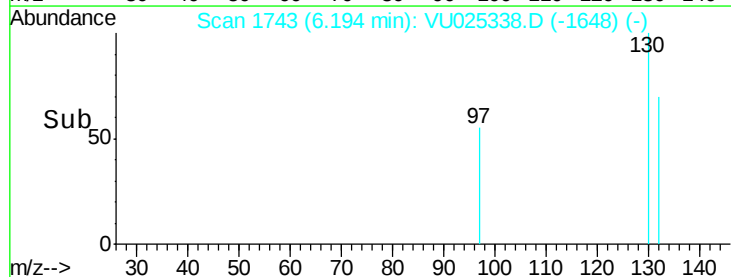
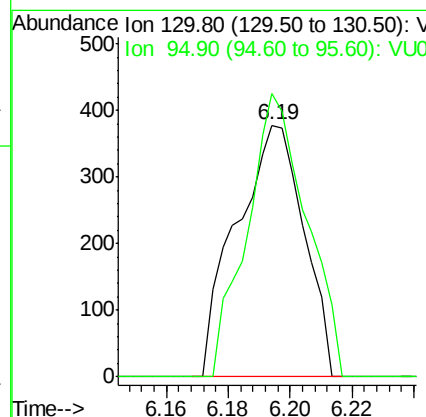
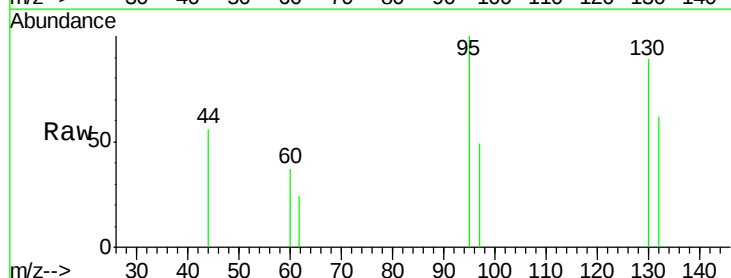
Manual Integrations
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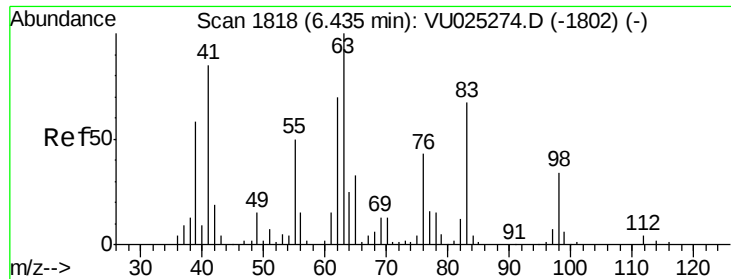
MMDadoda
7/13/2018 11:44:13 AM



#44
Trichloroethene
Concen: 0.252 ug/l
RT: 6.19 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Tgt Ion: 130 Resp: 573
Ion Ratio Lower Upper
130 100
95 112.4 0.0 192.2





#45

1,2-Dichloropropane

Concen: 0.209 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 63 Resp: 435

Ion Ratio Lower Upper

63 100

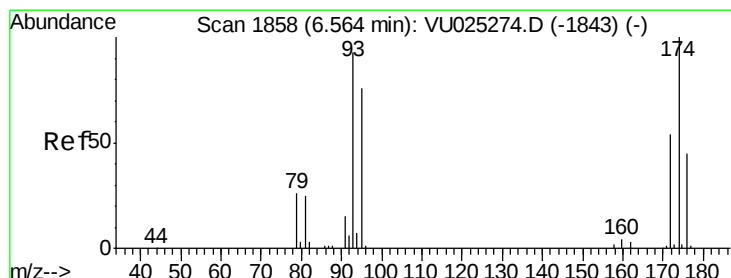
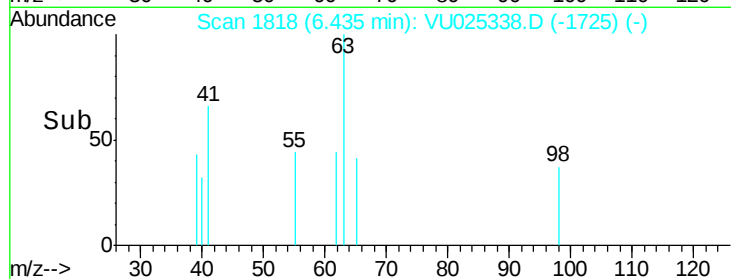
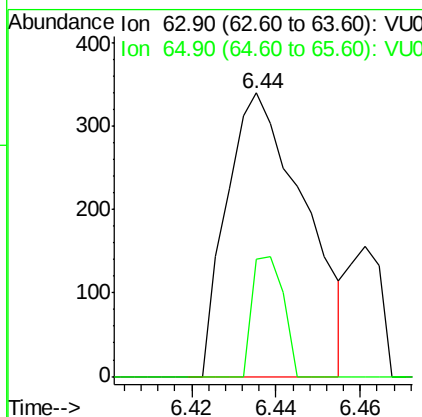
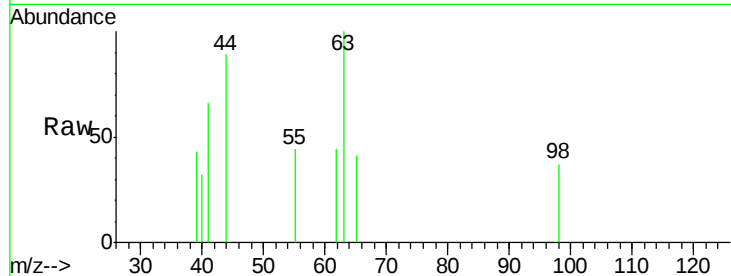
65 41.5 26.1 39.1#

Manual Integrations

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MMDadoda

7/13/2018 11:44:13 AM



#46

Dibromomethane

Concen: 0.214 ug/l m

RT: 6.57 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

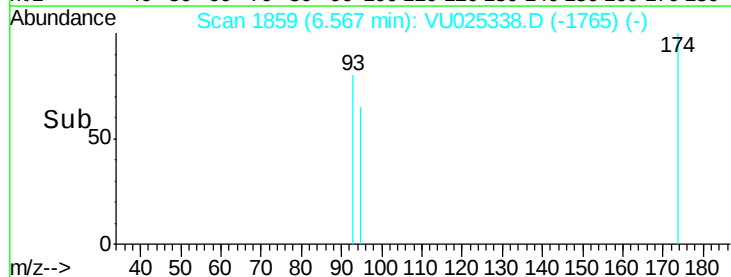
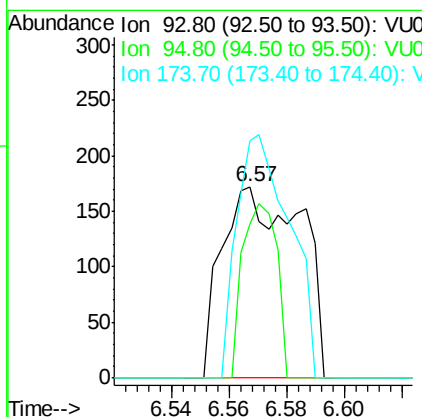
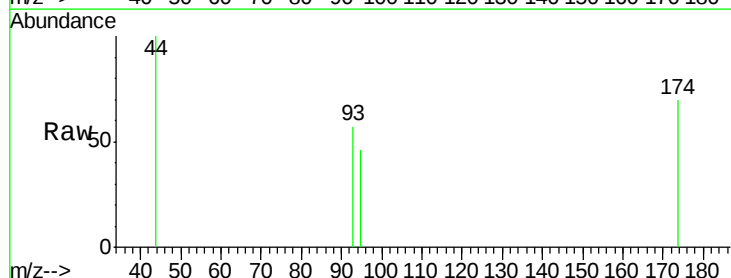
Tgt Ion: 93 Resp: 323

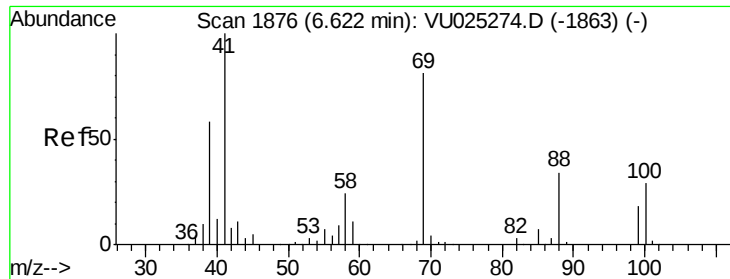
Ion Ratio Lower Upper

93 100

95 40.2 66.6 100.0#

174 86.1 85.8 128.8





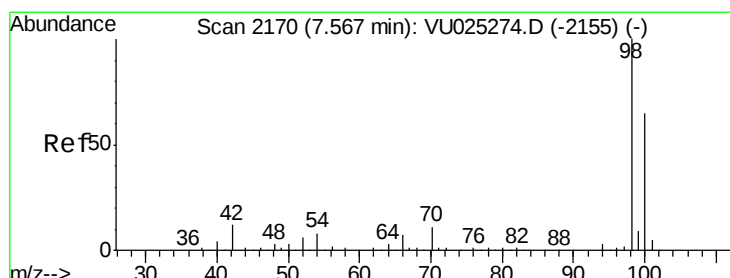
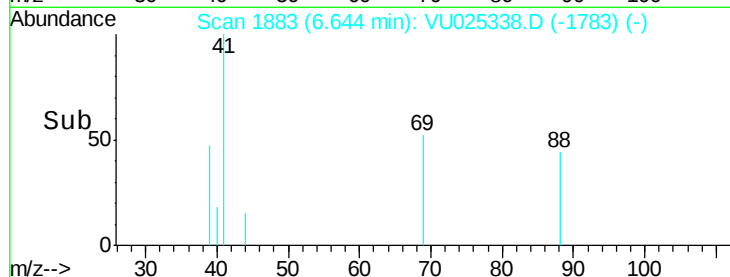
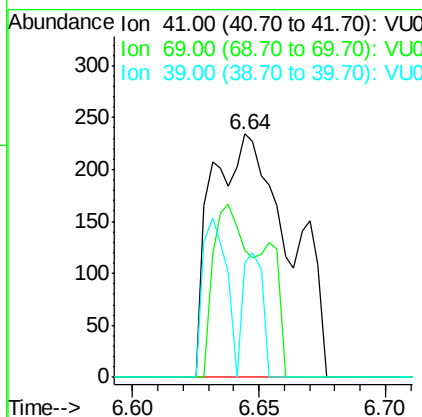
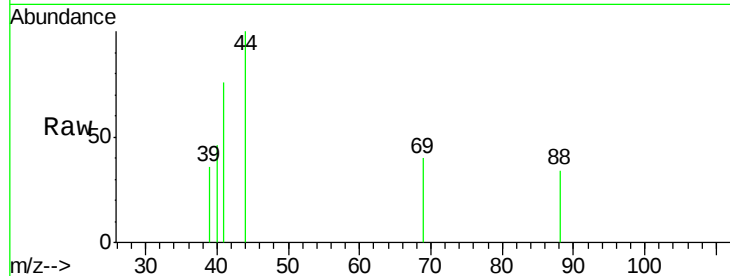
#48
Methyl methacrylate
Concen: 0.204 ug/l m
RT: 6.64 min Scan# 1883
Delta R.T. 0.02 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
41	100		
69	31.9	65.0	97.4#
39	19.8	46.4	69.6#

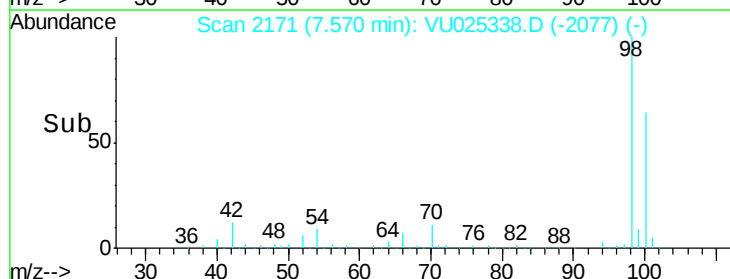
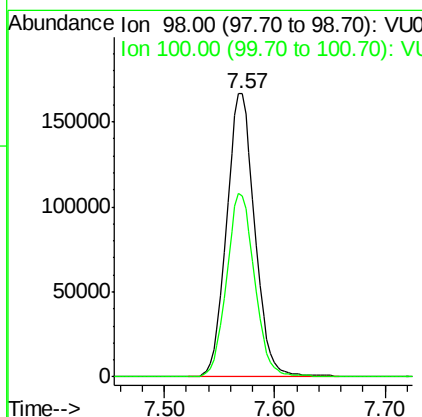
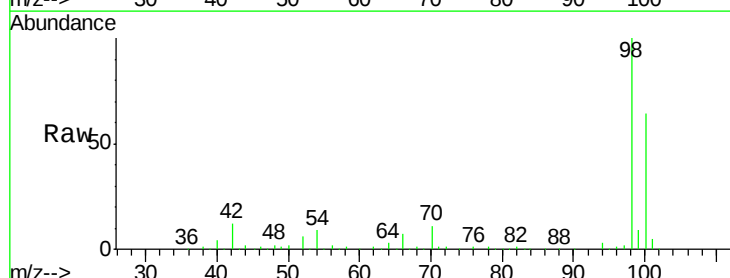
Manual Integrations
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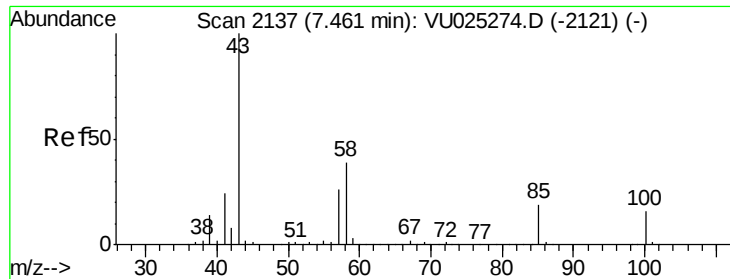
MMDadoda
7/13/2018 11:44:13 AM



#50
Toluene-d8
Concen: 41.312 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 0.984 ug/l

RT: 7.47 min Scan# 2139

Delta R.T. 0.01 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 3145

Ion Ratio Lower Upper

43 100

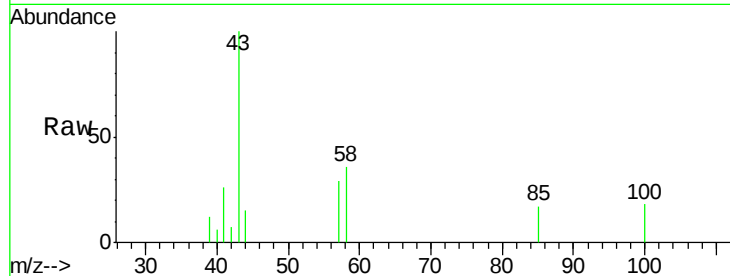
58 38.4 31.0 46.4

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.47

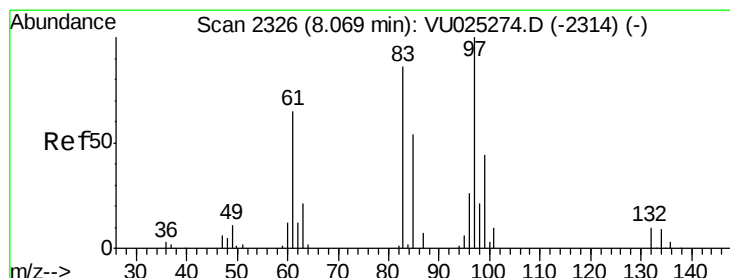
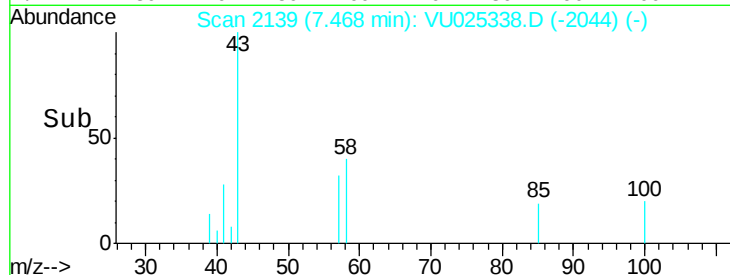
1500

1000

500

0

Time--> 7.40 7.45 7.50



#55

1,1,2-Trichloroethane

Concen: 0.202 ug/l

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Tgt Ion: 97 Resp: 424

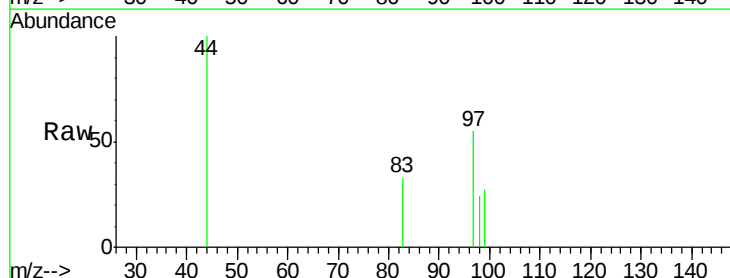
Ion Ratio Lower Upper

97 100

83 60.1 68.9 103.3#

85 0.0 44.4 66.6#

99 49.8 51.0 76.4#



Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

8.07

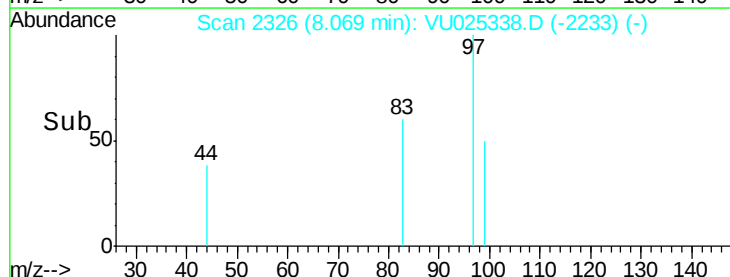
300

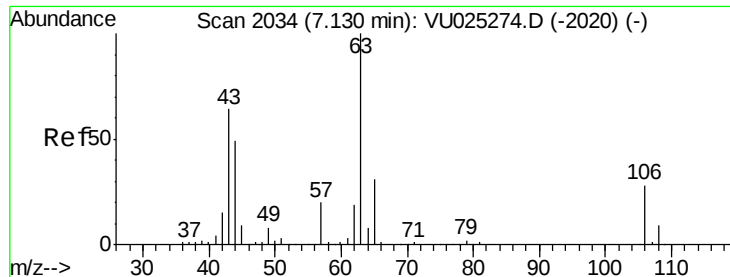
200

100

0

Time--> 8.04 8.06 8.08 8.10 8.12





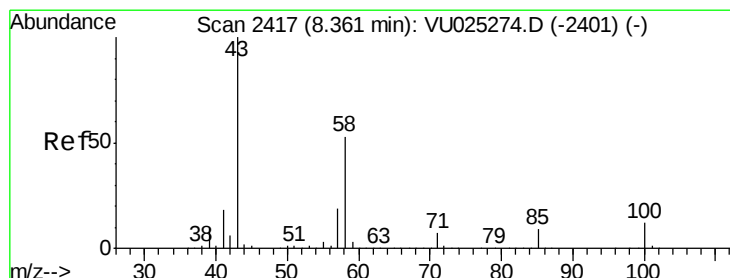
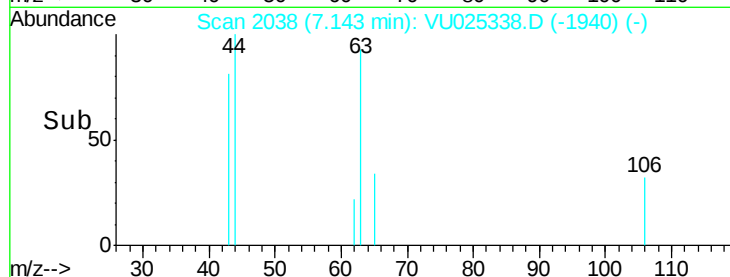
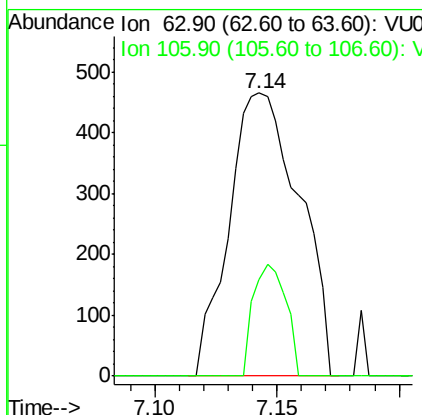
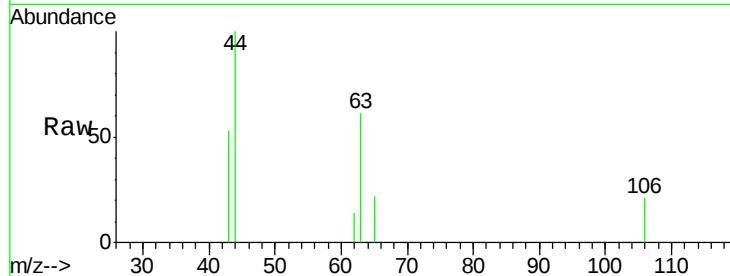
#58
2-Chloroethyl Vinyl ether
Concen: 11.689 ug/l
RT: 7.14 min Scan# 2038
Delta R.T. 0.01 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 63 Resp: 929
Ion Ratio Lower Upper
63 100
106 18.1 22.3 33.5#

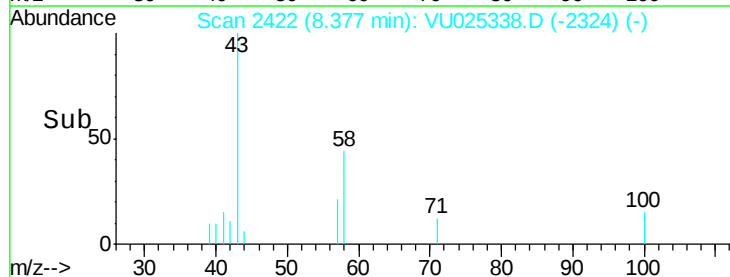
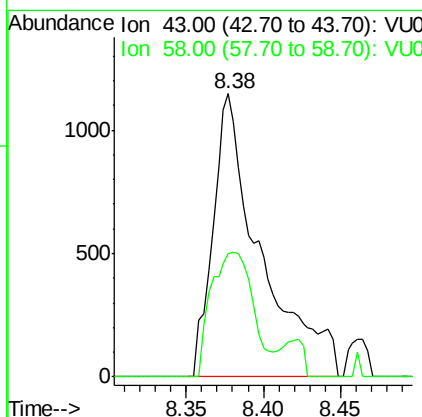
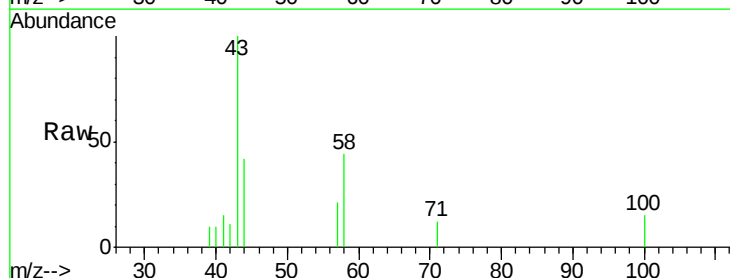
Manual Integrations
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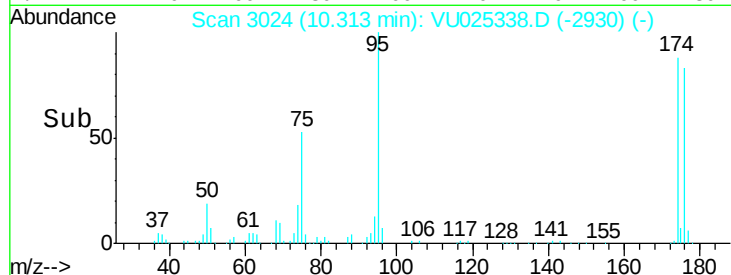
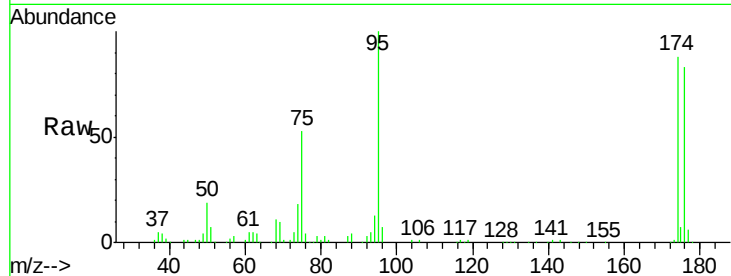
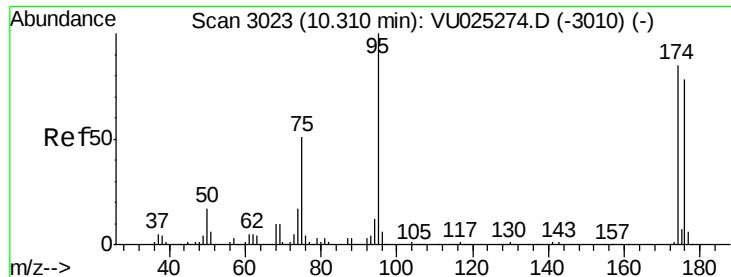
MMDadoda
7/13/2018 11:44:13 AM



#59
2-Hexanone
Concen: 0.948 ug/l
RT: 8.38 min Scan# 2422
Delta R.T. 0.02 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Tgt Ion: 43 Resp: 2458
Ion Ratio Lower Upper
43 100
58 39.0 26.2 78.5





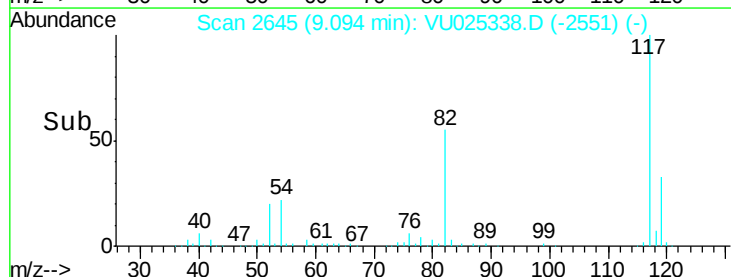
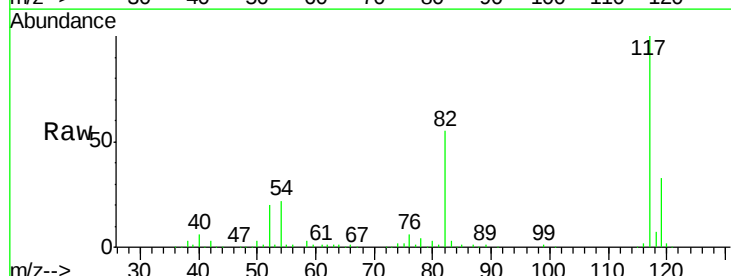
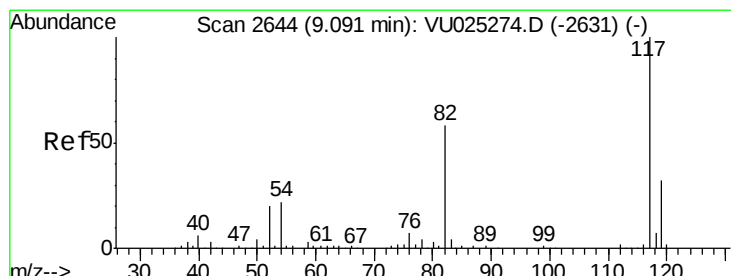
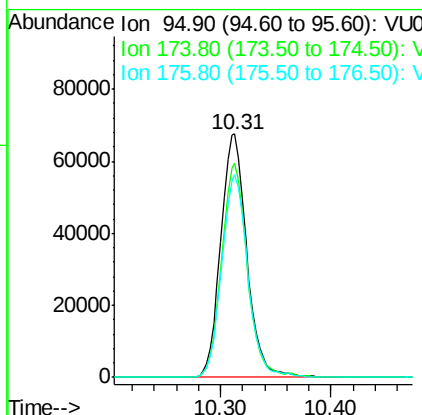
#62
4-Bromofluorobenzene
Concen: 38.498 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Tot Ion	Ratio	Resp	Lower	Upper
95	100	110881		
174	86.9	0.0	172.2	
176	83.4	0.0	162.6	

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

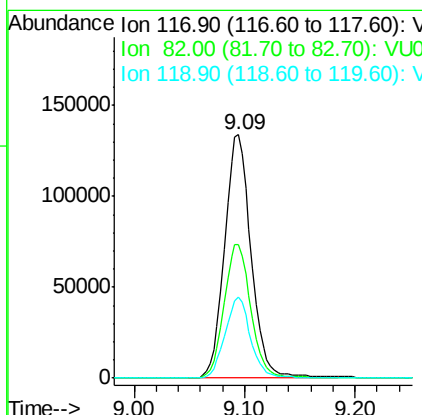
Manual Integrations
APPROVED

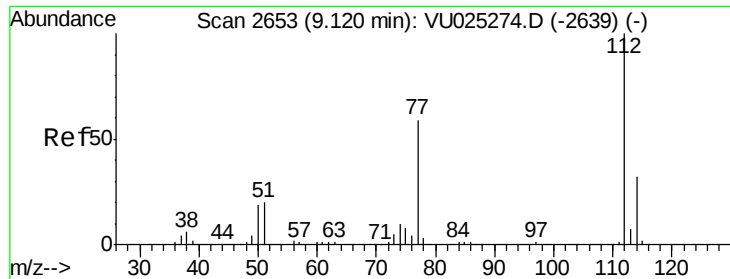
MMDadoda
7/13/2018 11:44:13 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	223584		
82	54.9	46.0	69.0	
119	33.1	26.0	39.0	





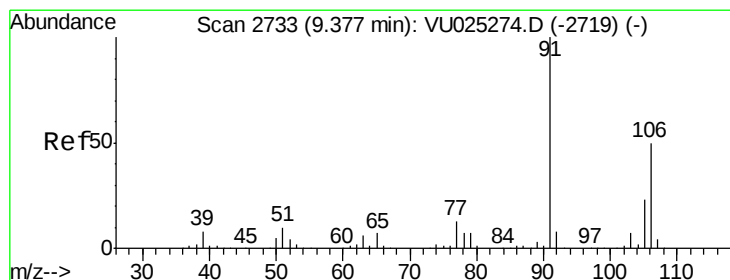
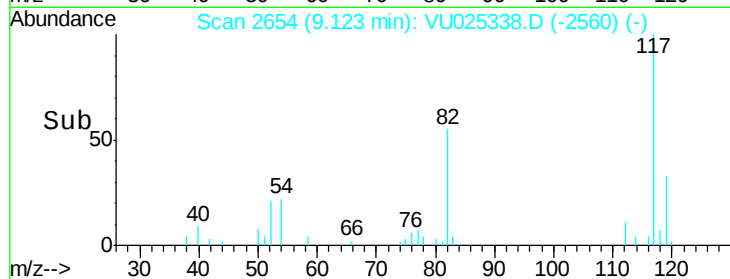
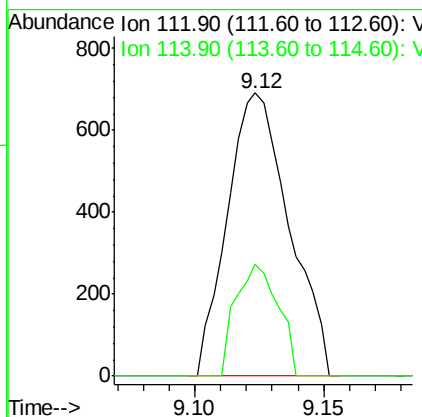
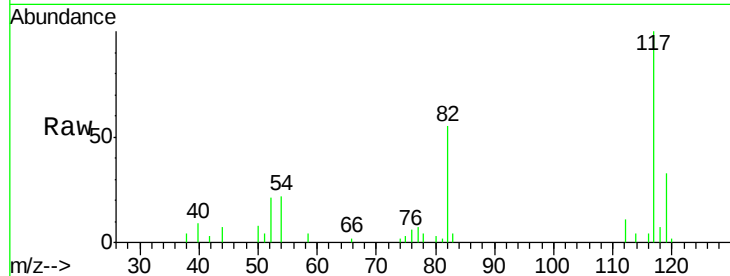
#65
Chlorobenzene
Concen: 0.206 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion:112 Resp: 1151
Ion Ratio Lower Upper
112 100
114 39.7 25.8 38.8#

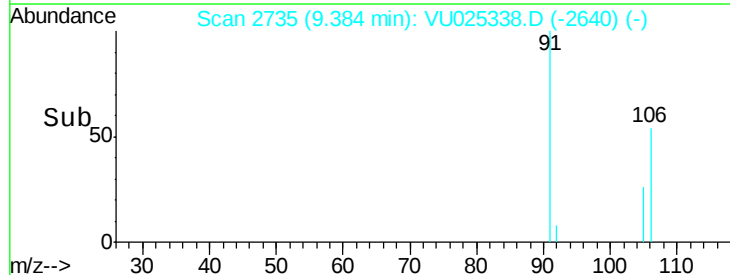
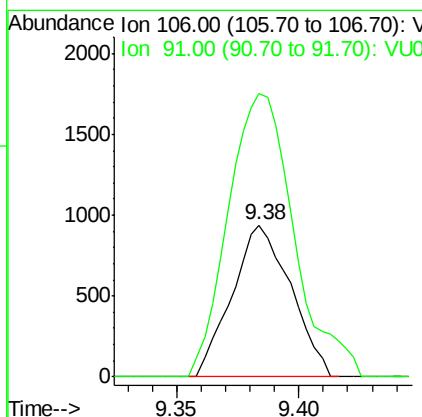
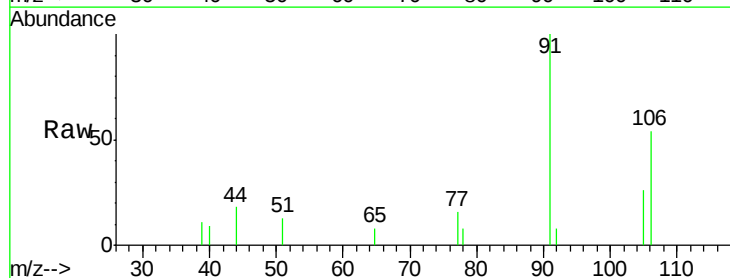
Manual Integrations
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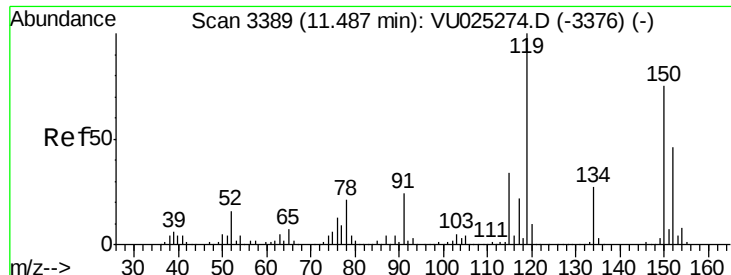
MMDadoda
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#68
m/p-Xylenes
Concen: 0.425 ug/l
RT: 9.38 min Scan# 2735
Delta R.T. 0.01 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Tgt Ion:106 Resp: 1566
Ion Ratio Lower Upper
106 100
91 209.3 162.3 243.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Instrument :

MSVOA_U

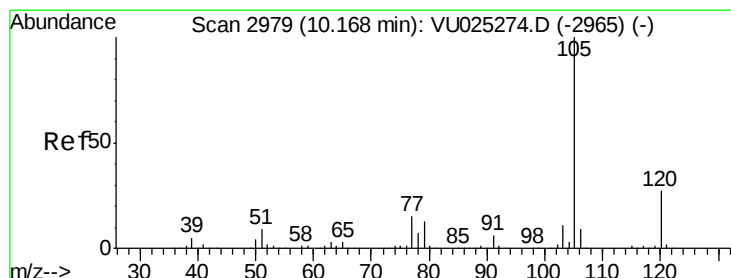
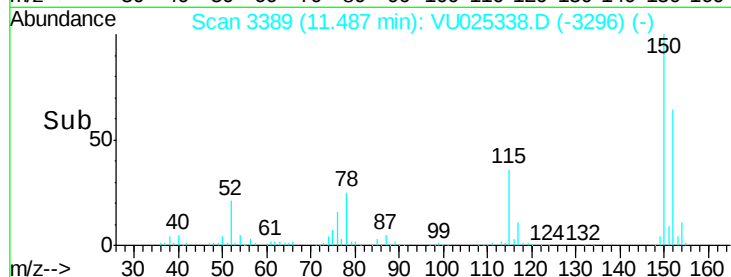
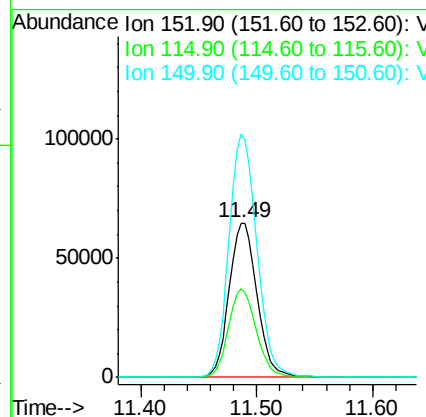
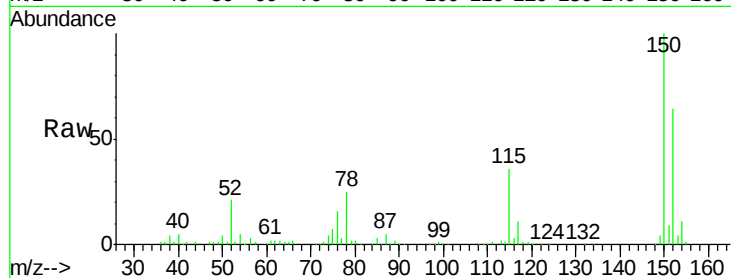
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	152	Resp:	107583
Ion Ratio	Lower	Upper	
152	100		
115	57.3	40.1	120.3
150	157.7	0.0	351.4

Manual Integrations
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7/13/2018 11:44:13 AM



#73

Isopropylbenzene

Concen: 0.227 ug/l

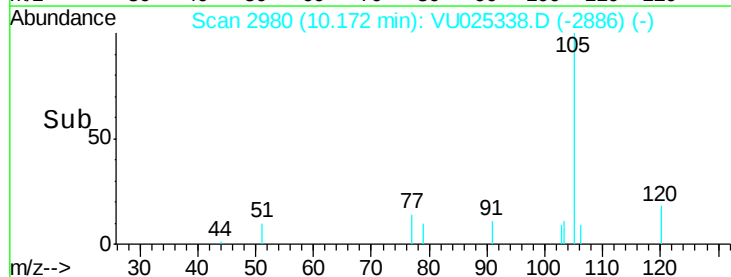
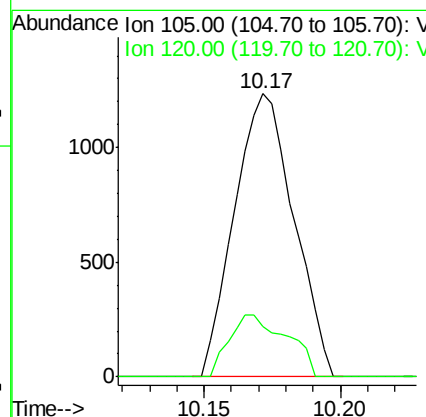
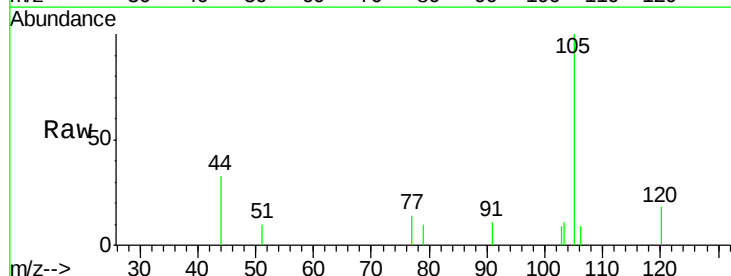
RT: 10.17 min Scan# 2980

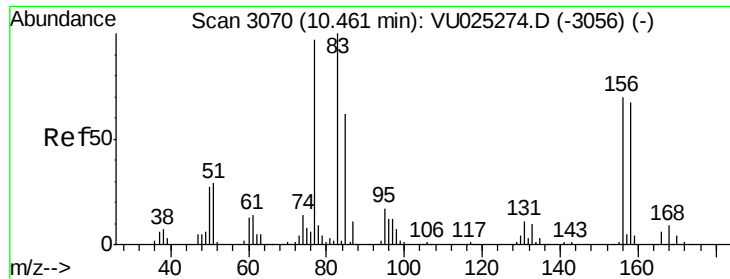
Delta R.T. 0.00 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Tgt Ion:	105	Resp:	1866
Ion Ratio	Lower	Upper	
105	100		
120	21.5	13.5	40.5





#75

1,1,2,2-Tetrachloroethane

Concen: 0.249 ug/l

RT: 10.46 min Scan# 3071

Delta R.T. 0.00 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Instrument :

MSVOA_U

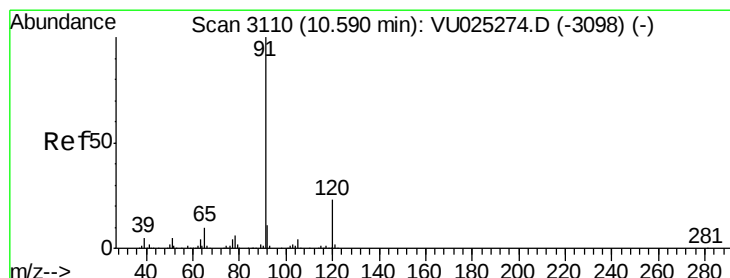
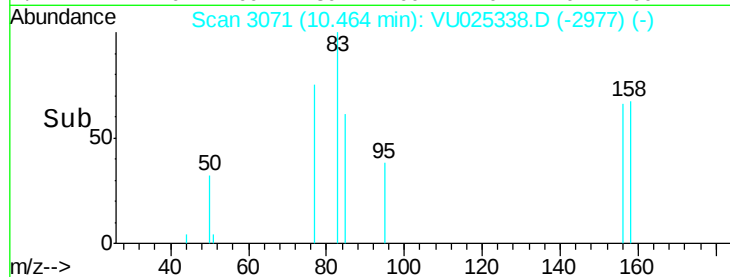
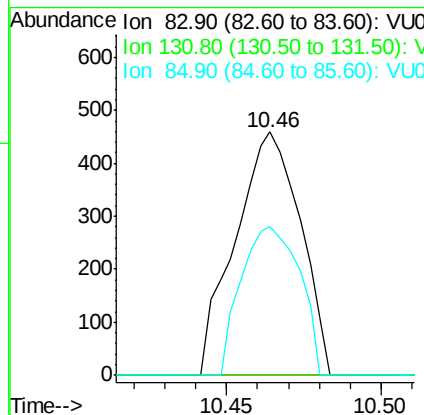
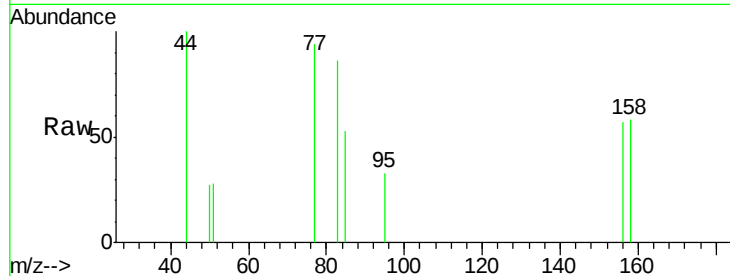
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion	83	Resp	670
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.4#
85	54.8	31.6	94.8

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#78

n-propylbenzene

Concen: 0.218 ug/l

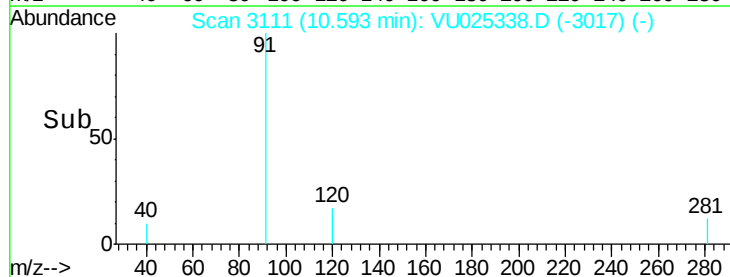
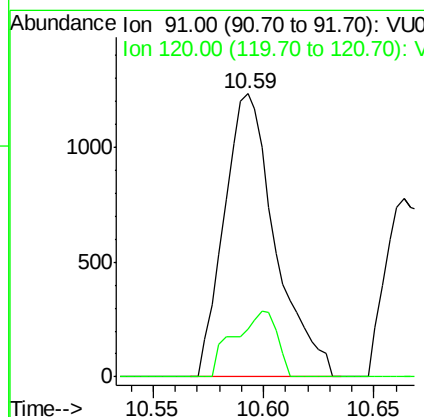
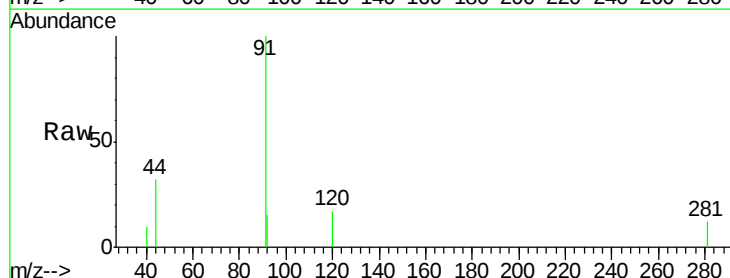
RT: 10.59 min Scan# 3111

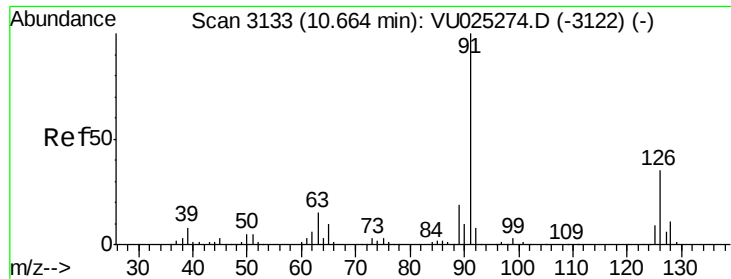
Delta R.T. 0.00 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Tgt Ion	91	Resp	1984
Ion	Ratio	Lower	Upper
91	100		
120	19.5	11.8	35.3





#79

2-Chlorotoluene

Concen: 0.400 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025338.D

Acq: 12 Jul 2018 14:19

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 91 Resp: 1339

Ion Ratio Lower Upper

91 100

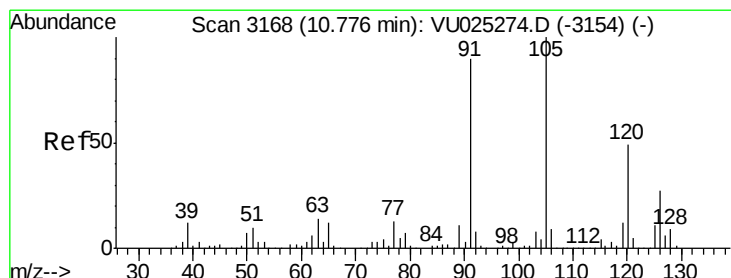
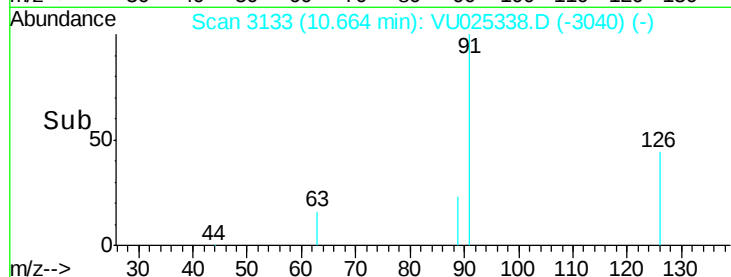
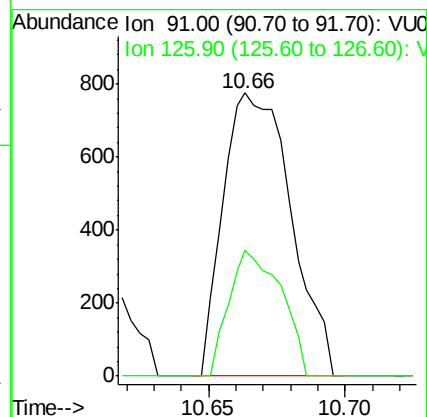
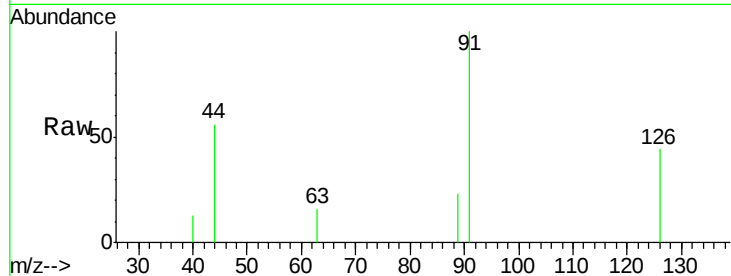
126 34.3 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 0.238 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025338.D

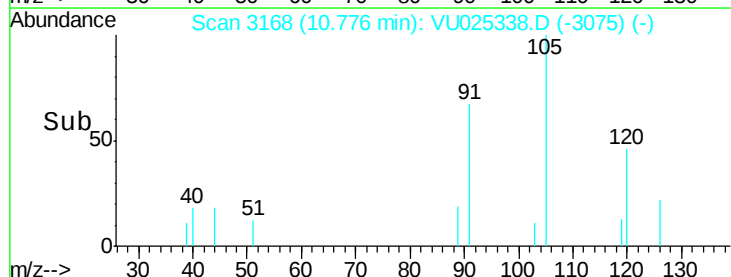
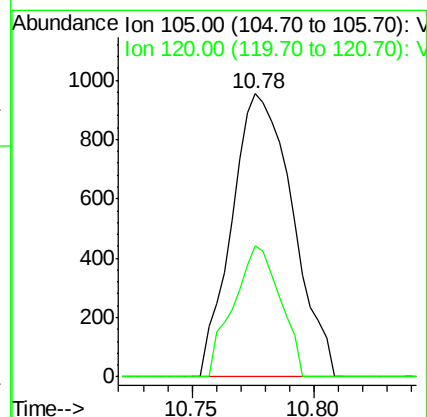
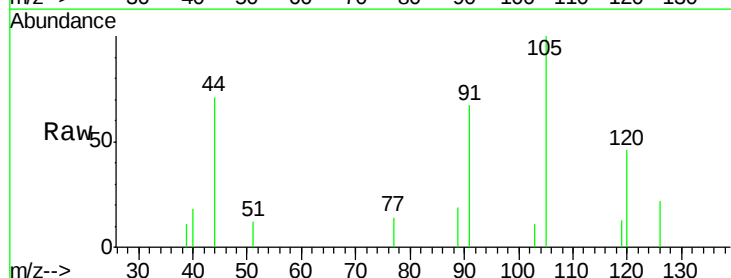
Acq: 12 Jul 2018 14:19

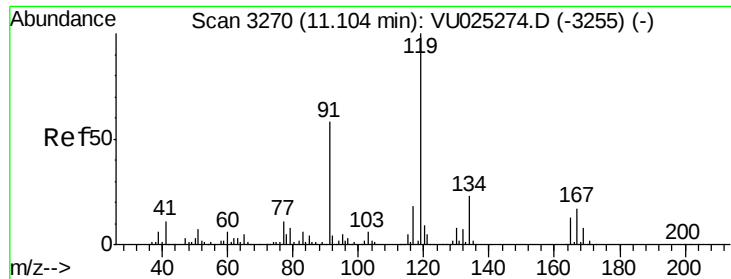
Tgt Ion: 105 Resp: 1649

Ion Ratio Lower Upper

105 100

120 35.8 24.1 72.2





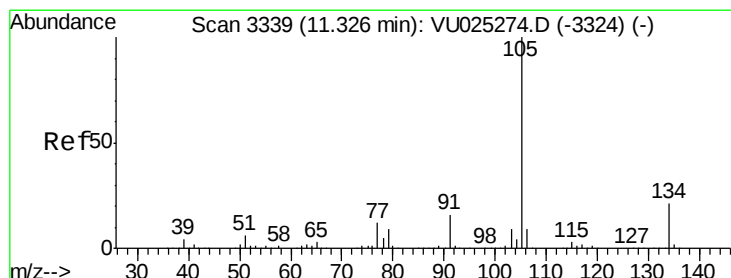
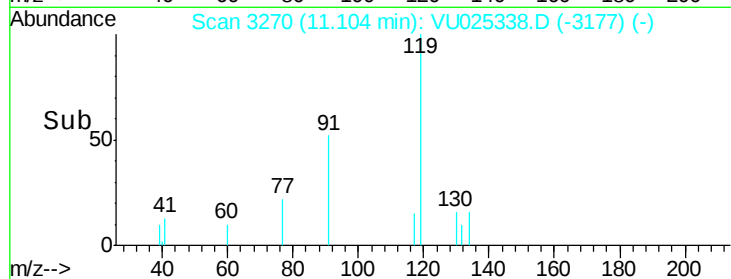
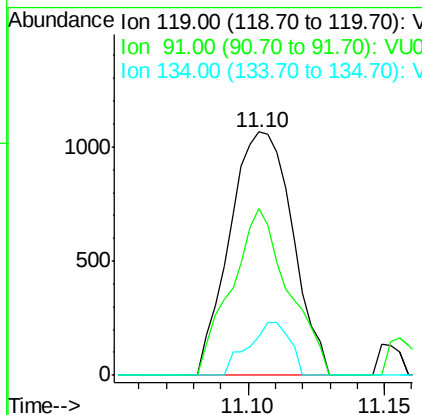
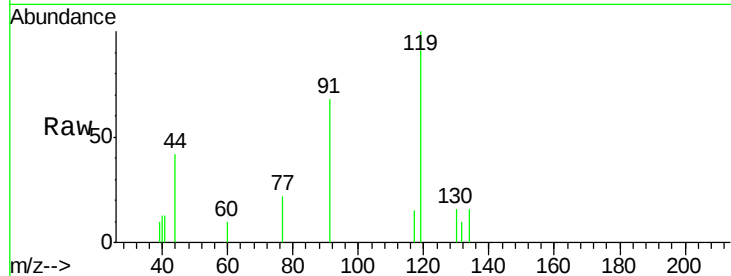
#83
tert-Butylbenzene
Concen: 0.244 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
119	100	1703		
91	61.9		29.7	89.1
134	14.5		11.5	34.5

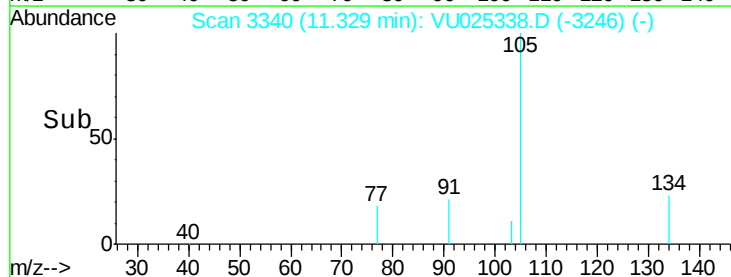
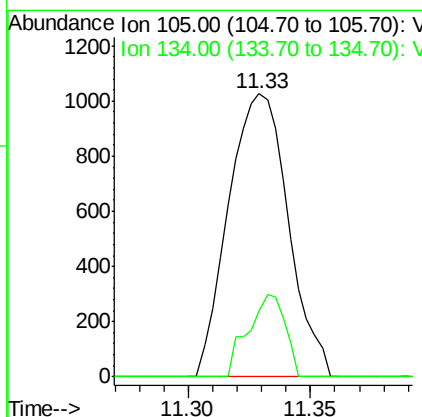
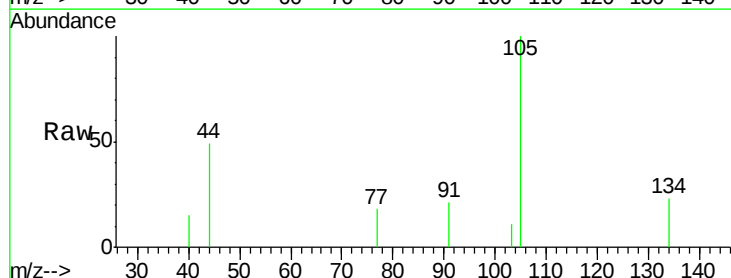
Manual Integrations
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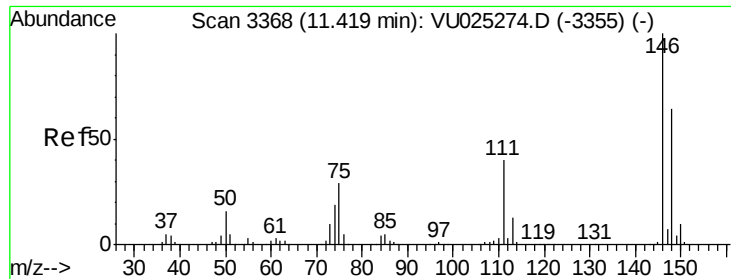
MMDadoda
7/13/2018 11:44:13 AM



#85
sec-Butylbenzene
Concen: 0.212 ug/l
RT: 11.33 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VU025338.D
Acq: 12 Jul 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1743		
134	18.0		10.3	30.8





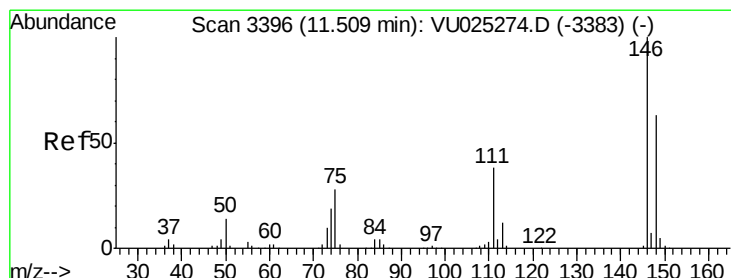
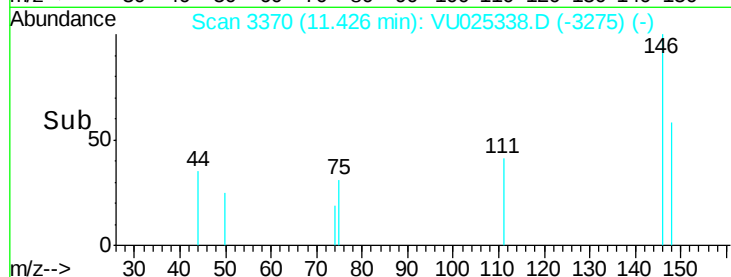
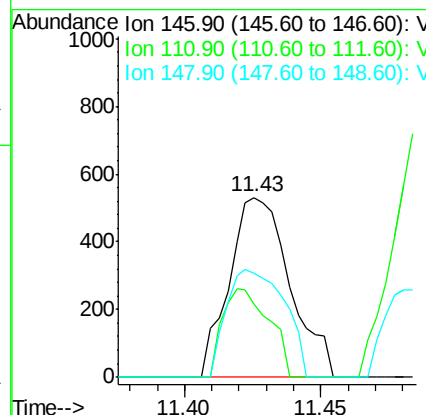
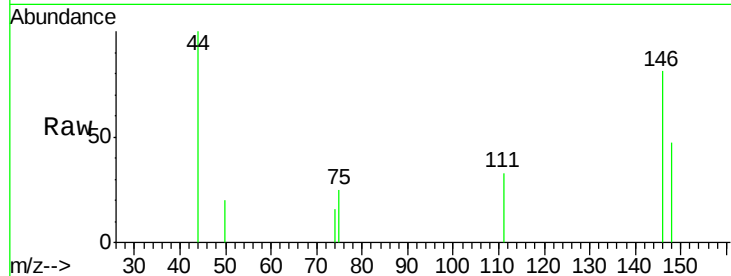
#87
 1,3-Dichlorobenzene
 Concen: 0.214 ug/l
 RT: 11.43 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: VU025338.D
 Acq: 12 Jul 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.7	59.1
148	57.1	32.1	96.3

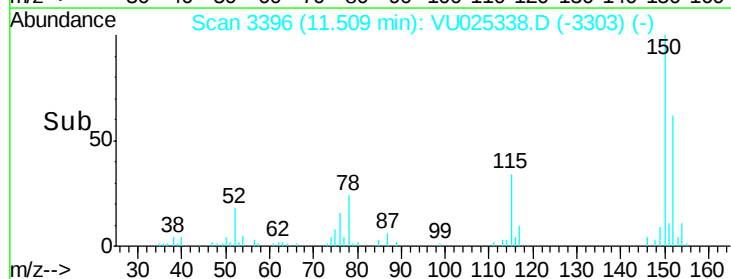
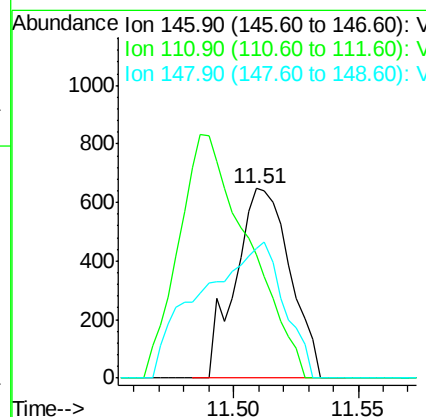
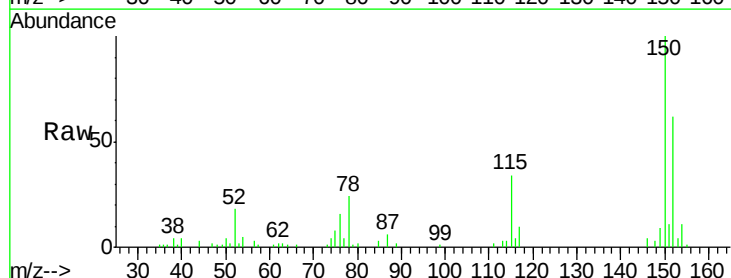
Manual Integrations
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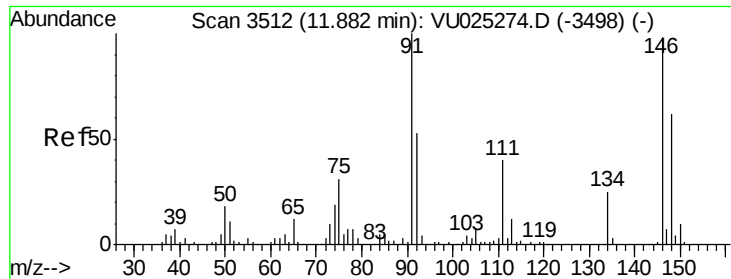
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 7/13/2018 11:44:13 AM



#88
 1,4-Dichlorobenzene
 Concen: 1.743 ug/l m
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025338.D
 Acq: 12 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.1	19.4	58.1
148	47.4	31.7	95.1





#91
 1,2-Dichlorobenzene
 Concen: 0.217 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.01 min
 Lab File: VU025338.D
 Acq: 12 Jul 2018 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	18.2	20.6	61.8#
148	63.3	31.5	94.5

Manual Integrations
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MMDadoda
 7/13/2018 11:44:13 AM

