

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027600.D
 Acq On : 11 Oct 2018 15:44
 Operator : MD/SY
 Sample : J5164-07 0.5ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Manual Integrations
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 10/16/2018 2:22:45 PM

Quant Time: Oct 12 17:16:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 10:41:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	114315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	196601	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	173260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	91643	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
35) Dibromofluoromethane	4.89	113	64849	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	7.57	98	236957	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	10.31	95	76823	43.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	633	0.51	ug/l	89
5) Bromomethane	1.63	94	598	0.60	ug/l #	75
6) Chloroethane	1.70	64	1146m	Below	Cal	
8) Diethyl Ether	2.11	74	435	0.47	ug/l	48
12) 1,1-Dichloroethene	2.29	96	621	0.53	ug/l #	62
18) Methyl Acetate	2.62	43	1505	0.56	ug/l #	82
24) 1,1-Dichloroethane	3.45	63	1425m	0.49	ug/l	
25) 2-Butanone	4.28	43	4062	2.66	ug/l	98
26) 2,2-Dichloropropane	4.23	77	1129	0.49	ug/l #	68
28) Bromochloromethane	4.55	49	654m	0.46	ug/l	
29) Tetrahydrofuran	4.66	42	2474	2.58	ug/l #	88
31) Cyclohexane	4.99	56	3995	0.21	ug/l #	13
32) 1,1,1-Trichloroethane	4.92	97	1071	0.49	ug/l #	51
36) 1,1-Dichloropropene	5.14	75	1064	0.53	ug/l #	81
37) Ethyl Acetate	4.40	43	1744m	0.58	ug/l	
38) Carbon Tetrachloride	5.14	117	902	0.49	ug/l #	88
41) Methacrylonitrile	4.56	41	293m	0.78	ug/l	
42) 1,2-Dichloroethane	5.41	62	1068m	0.48	ug/l	
43) Isopropyl Acetate	5.56	43	1758	0.42	ug/l #	75
45) 1,2-Dichloropropane	6.44	63	718	0.42	ug/l #	42
46) Dibromomethane	6.57	93	474	0.47	ug/l	93
47) Bromodichloromethane	6.76	83	928	0.46	ug/l #	97
48) Methyl methacrylate	6.64	41	886	1.87	ug/l #	81
49) 1,4-Dioxane	6.63	88	252m	6.35	ug/l	
53) t-1,3-Dichloropropene	7.89	75	1106	0.48	ug/l	90
55) 1,1,2-Trichloroethane	8.08	97	588	0.41	ug/l #	83
56) Ethyl methacrylate	8.04	69	839	2.48	ug/l #	90
57) 1,3-Dichloropropane	8.25	76	1230	0.45	ug/l	93
60) Dibromochloromethane	8.48	129	608	0.43	ug/l	95
61) 1,2-Dibromoethane	8.59	107	716	0.48	ug/l	85
64) Tetrachloroethene	8.23	164	663	0.62	ug/l #	81
71) Bromoform	9.96	173	377	0.37	ug/l #	65
74) N-amyl acetate	10.02	43	1547	0.53	ug/l #	79
76) 1,2,3-Trichloropropane	10.50	75	1030m	0.49	ug/l	

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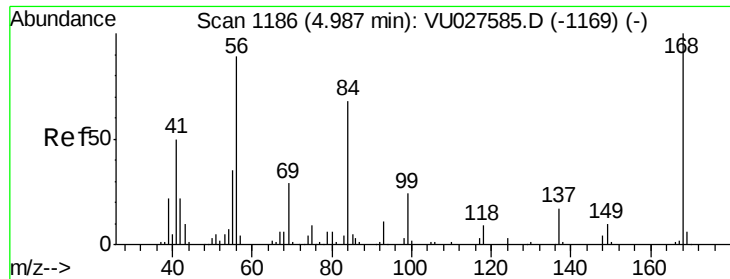
Manual Integrations
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Quant Time: Oct 12 17:16:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 11 10:41:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	10.77	105	2147	0.28	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.51	75	417m	0.23	ug/l	
85) sec-Butylbenzene	11.33	105	2419	0.74	ug/l	99
90) Hexachloroethane	12.15	117	370m	0.45	ug/l	
92) 1,2-Dibromo-3-Chloropropan	12.66	75	206	0.44	ug/l #	68
93) 1,2,4-Trichlorobenzene	13.51	180	798	2.13	ug/l	89
94) Hexachlorobutadiene	13.70	225	498	0.68	ug/l	87
95) Naphthalene	13.75	128	2961	1.80	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.00	180	1035	0.69	ug/l #	85

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU027600.D

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Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:168 Resp: 114315

Ion Ratio Lower Upper

168 100

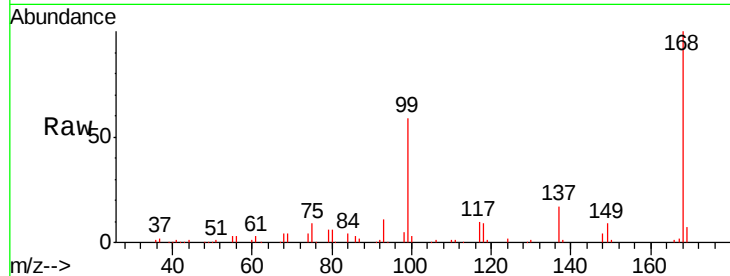
99 58.7 50.8 76.2

Manual Integrations

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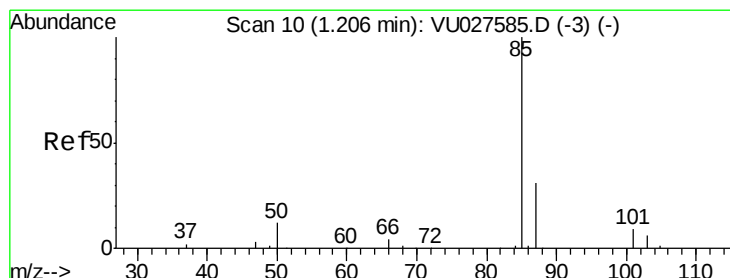
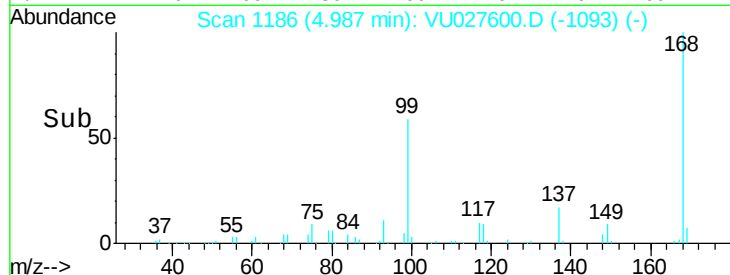
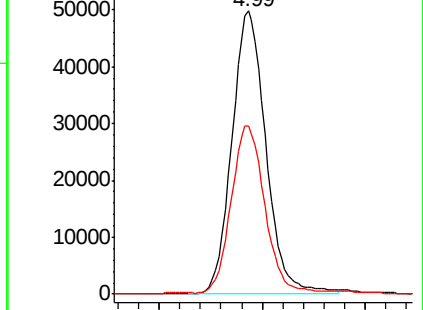
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Abundance Ion 167.90 (167.60 to 168.60): VU027585.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027585.D (-1169) (-)



#2

Dichlorodifluoromethane

Concen: 0.51 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027600.D

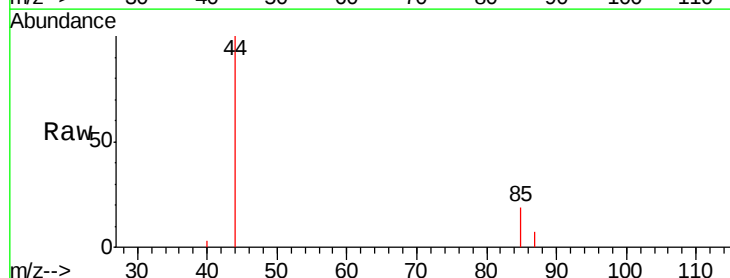
Acq: 11 Oct 2018 15:44

Tgt Ion: 85 Resp: 633

Ion Ratio Lower Upper

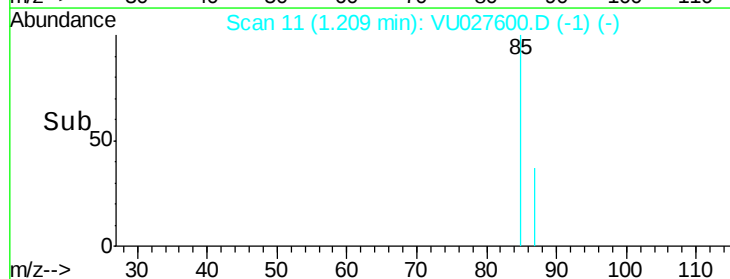
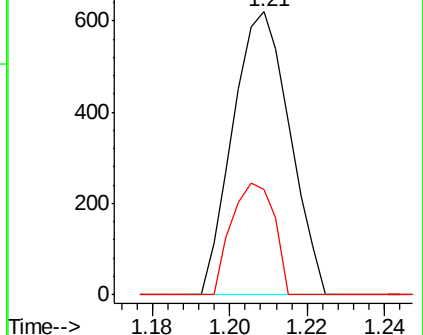
85 100

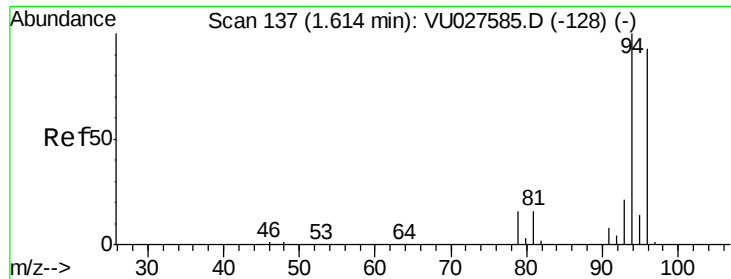
87 37.3 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027585.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027585.D (-3) (-)





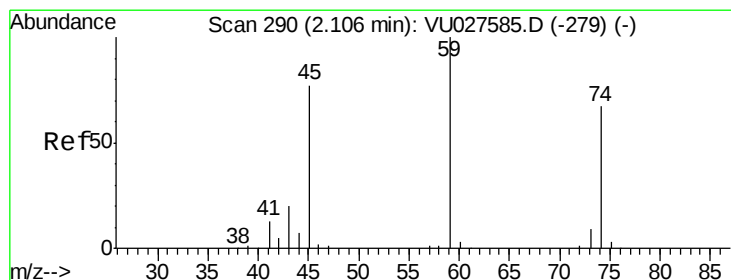
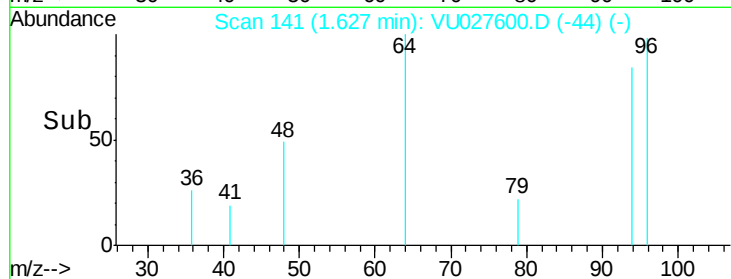
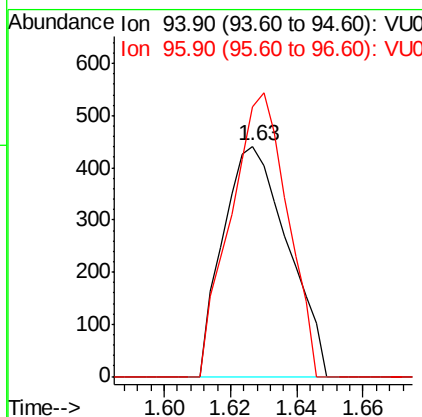
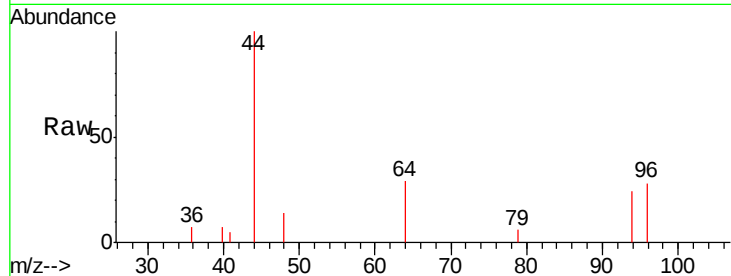
#5
 Bromomethane
 Concen: 0.60 ug/l
 RT: 1.63 min Scan# 141
 Delta R.T. 0.01 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 94 Resp: 598
 Ion Ratio Lower Upper
 94 100
 96 116.7 74.6 111.8#

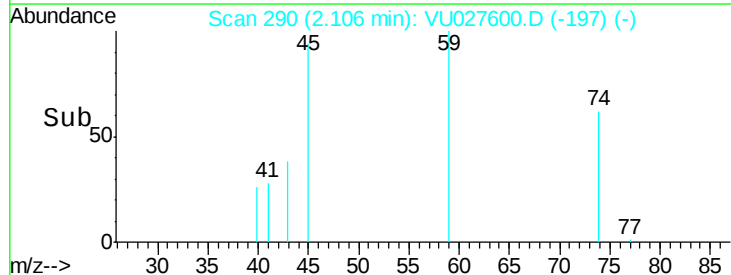
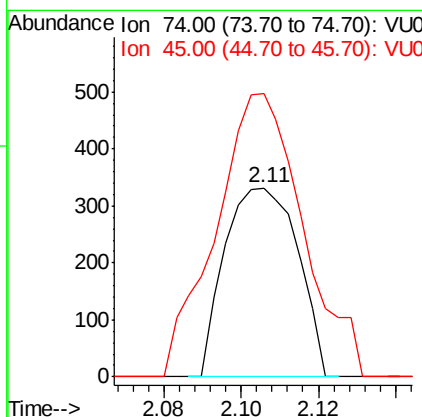
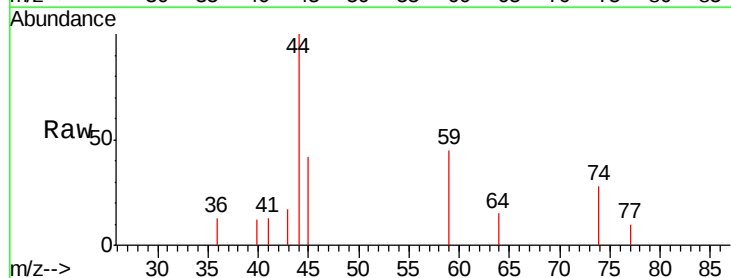
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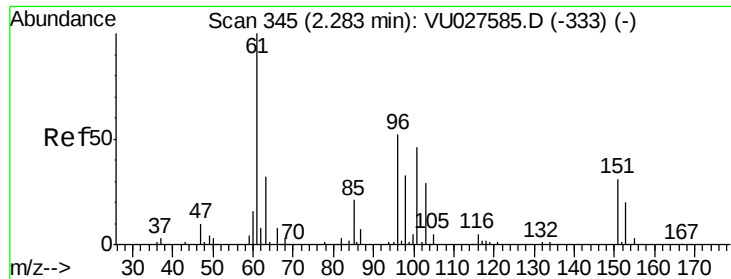
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#8
 Diethyl Ether
 Concen: 0.47 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Tgt Ion: 74 Resp: 435
 Ion Ratio Lower Upper
 74 100
 45 178.9 60.4 181.1





#12

1,1-Dichloroethene

Concen: 0.53 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.01 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Instrument :

MSVOA_U

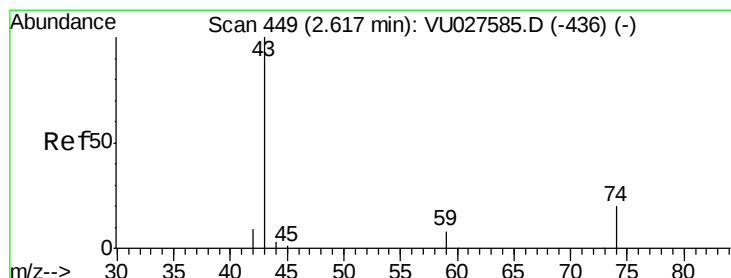
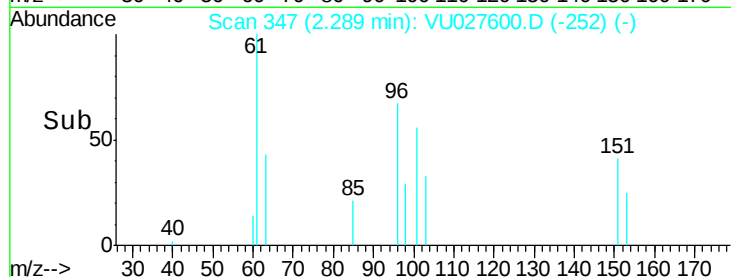
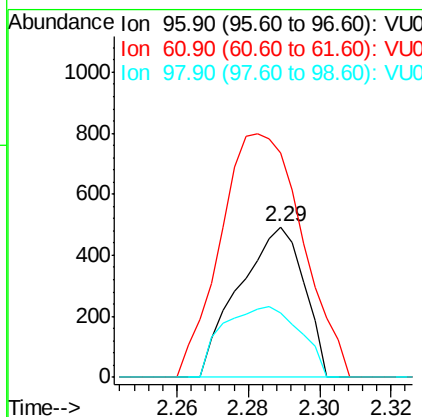
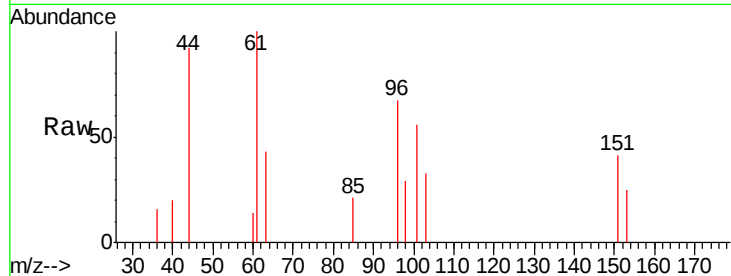
ClientSampleId :

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Tgt Ion:	96	Resp:	621
Ion Ratio	Lower	Upper	
96	100		
61	128.3	153.0	229.6#
98	43.3	49.3	73.9#

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#18

Methyl Acetate

Concen: 0.56 ug/l

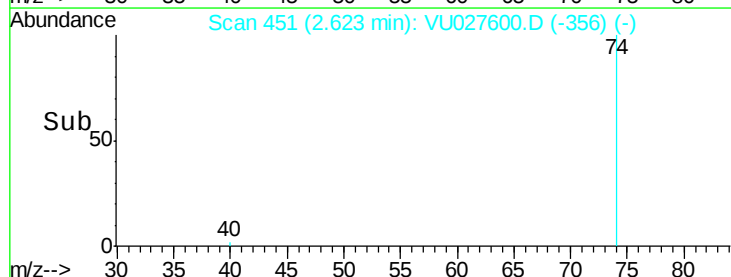
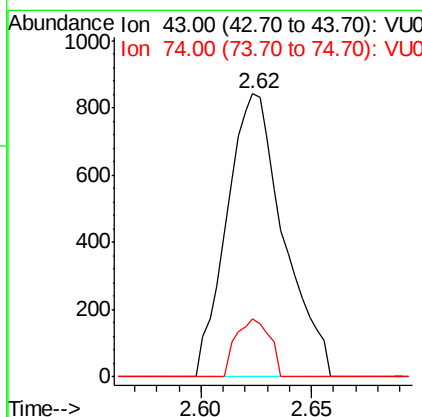
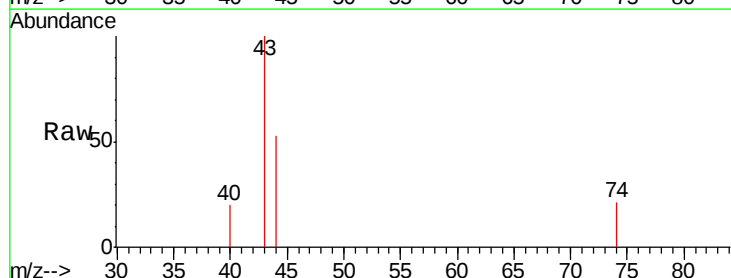
RT: 2.62 min Scan# 451

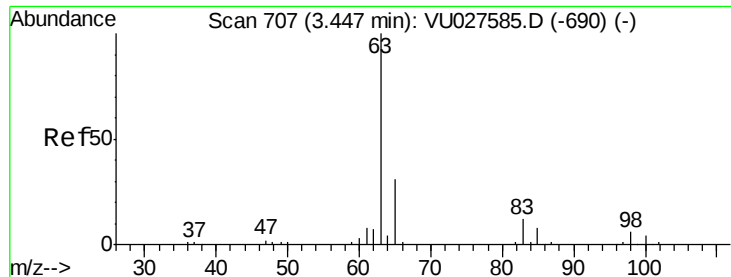
Delta R.T. 0.01 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Tgt Ion:	43	Resp:	1505
Ion Ratio	Lower	Upper	
43	100		
74	12.3	16.5	24.7#





#24

1,1-Dichloroethane

Concen: 0.49 ug/l m

RT: 3.45 min Scan# 709

Delta R.T. 0.01 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Instrument :

MSVOA_U

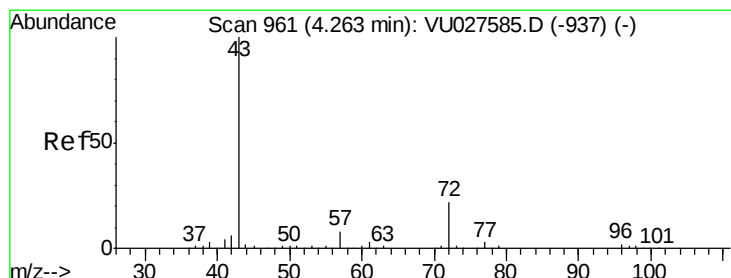
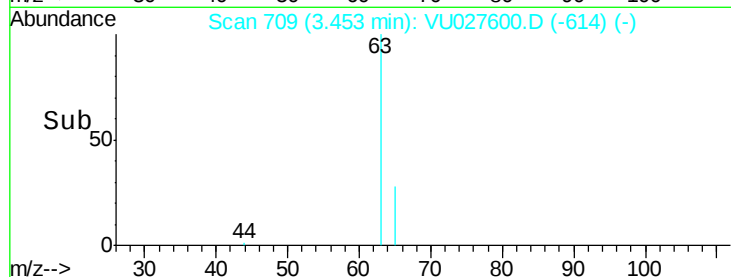
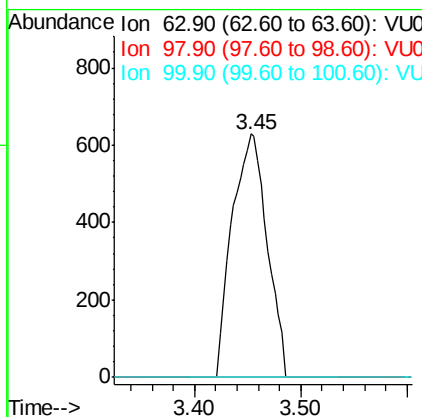
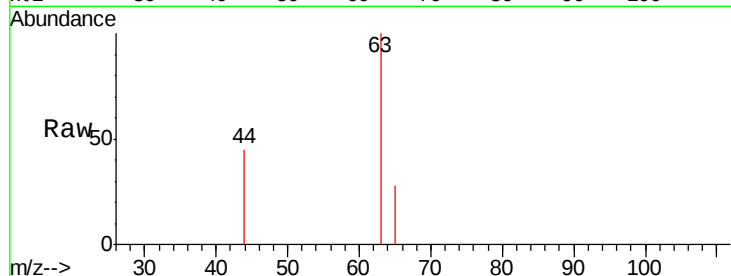
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	63	Resp:	1425
Ion Ratio	Lower	Upper	
63	100		
98	0.0	3.0	9.2#
100	0.0	1.8	5.5#

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#25

2-Butanone

Concen: 2.66 ug/l

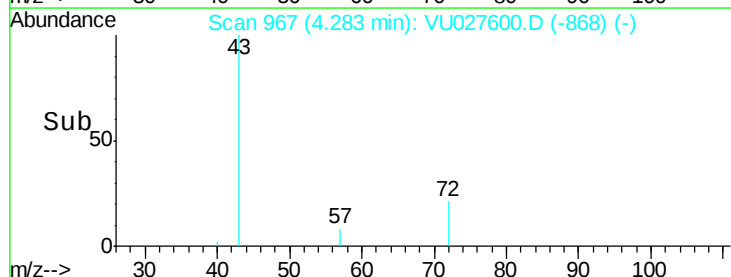
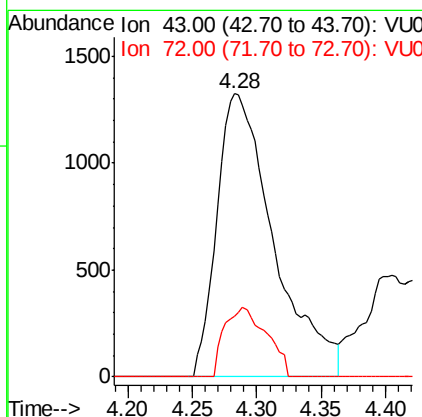
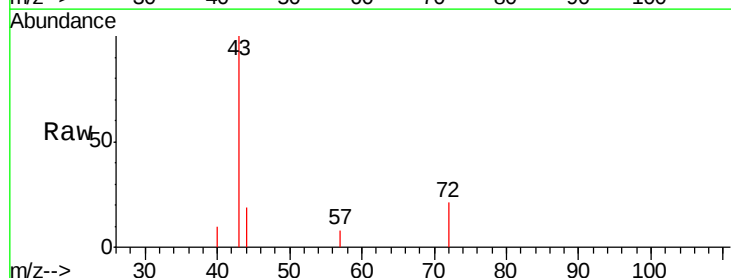
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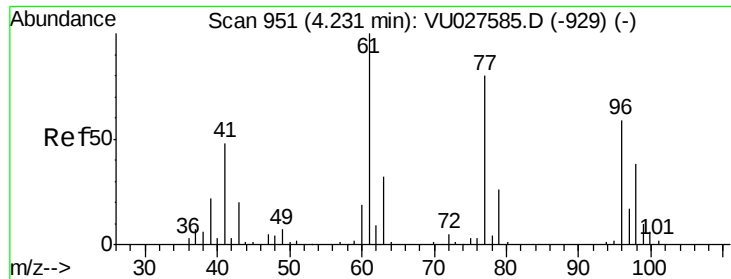
Delta R.T. 0.02 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Tgt Ion:	43	Resp:	4062
Ion Ratio	Lower	Upper	
43	100		
72	21.2	17.8	26.6





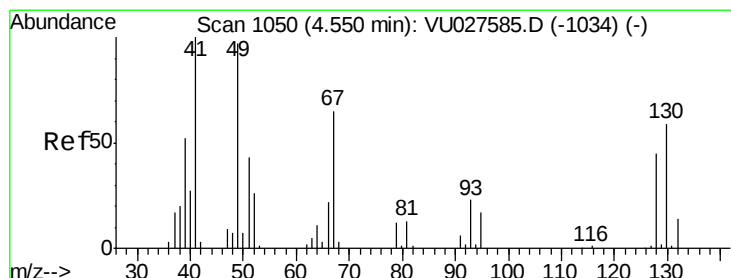
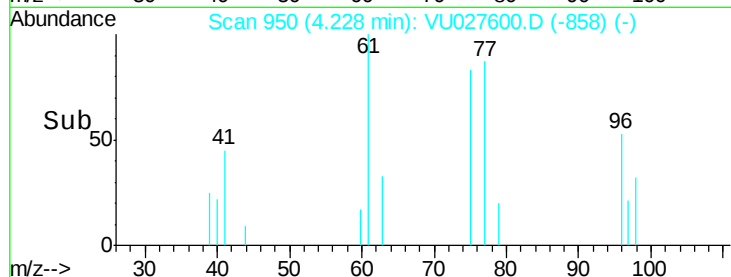
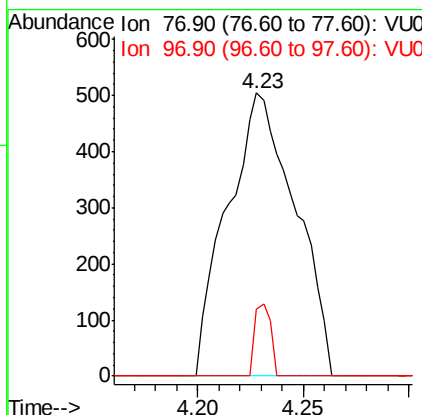
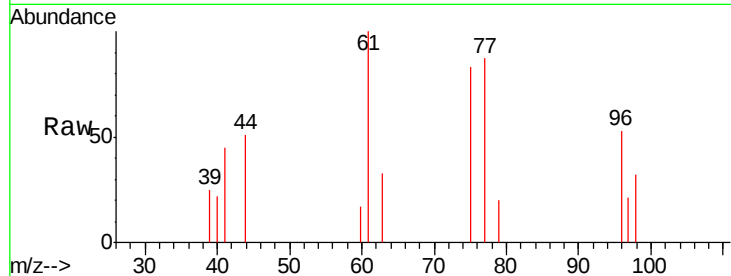
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 2,2-Dichloropropane
 Concen: 0.49 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Instrument :
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 LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 77 Resp: 1129
 Ion Ratio Lower Upper
 77 100
 97 5.9 10.4 31.1#

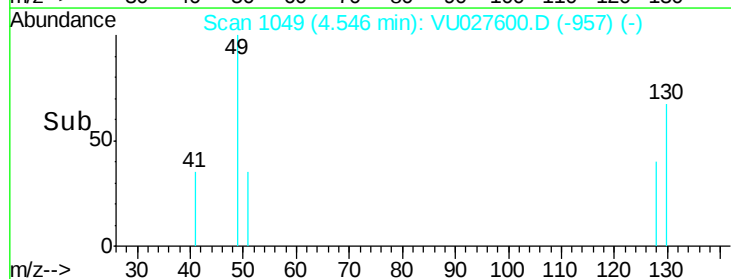
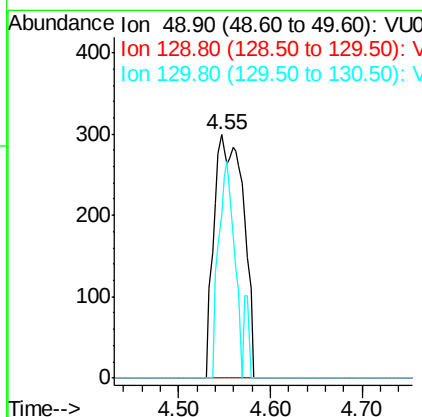
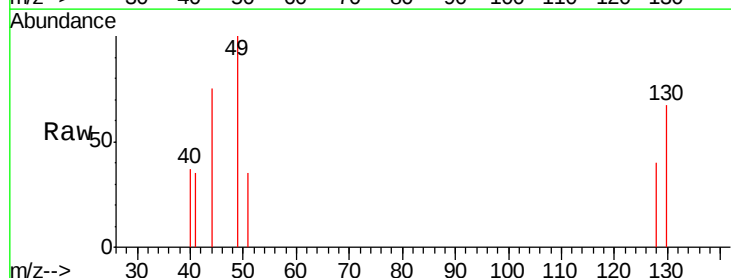
Manual Integrations
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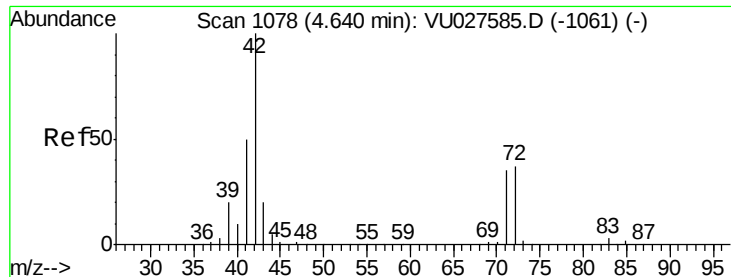
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#28
 Bromochloromethane
 Concen: 0.46 ug/l m
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Tgt Ion: 49 Resp: 654
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.0
 130 48.8 46.1 69.1





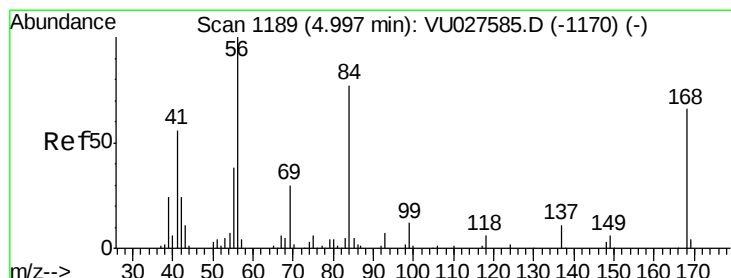
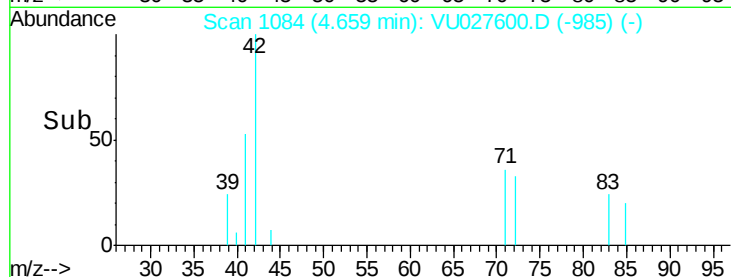
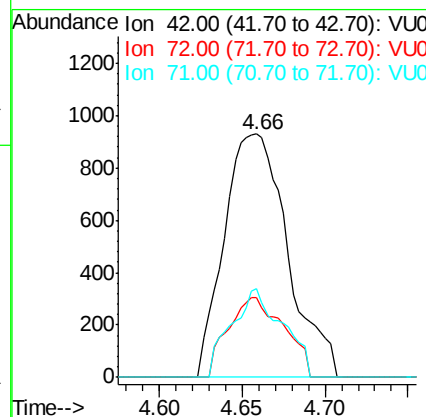
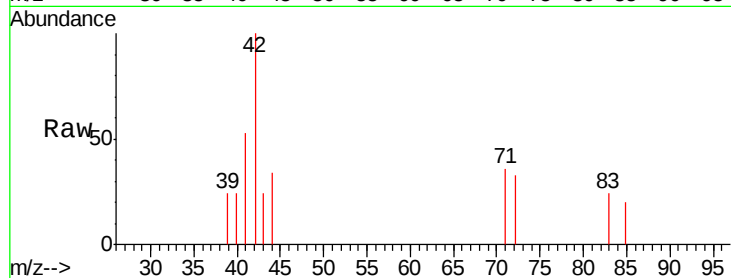
#29
Tetrahydrofuran
Concen: 2.58 ug/l
RT: 4.66 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VU027600.D
Acq: 11 Oct 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
42	100		
72	29.1	30.1	45.1#
71	29.4	27.7	41.5

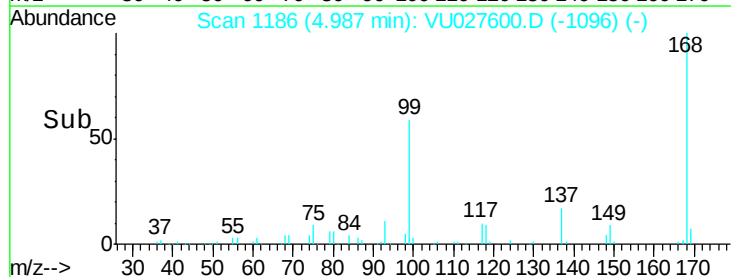
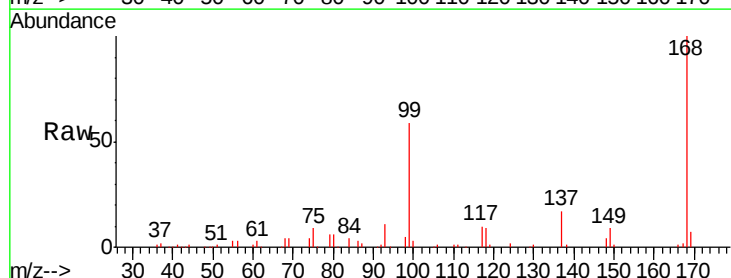
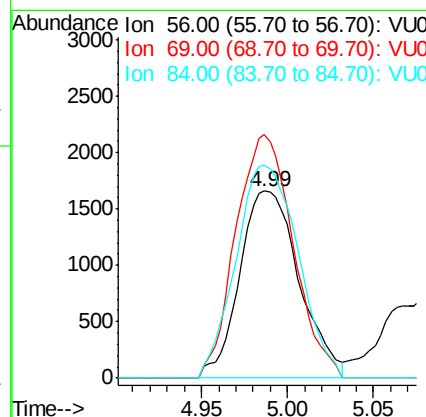
Manual Integrations
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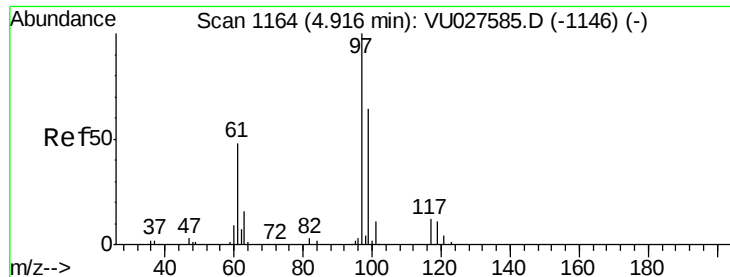
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#31
Cyclohexane
Concen: 0.21 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027600.D
Acq: 11 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
56	100		
69	130.1	24.1	36.1#
84	113.9	59.1	88.7#





#32

1,1,1-Trichloroethane

Concen: 0.49 ug/l

RT: 4.92 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Instrument :

MSVOA_U

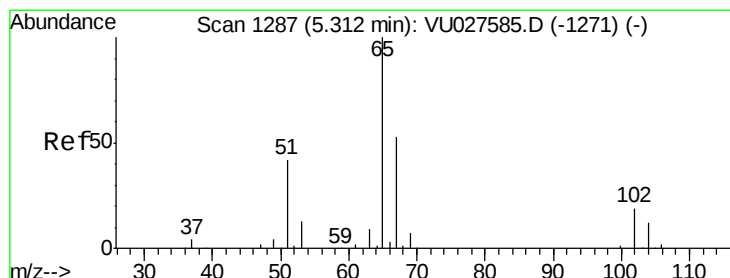
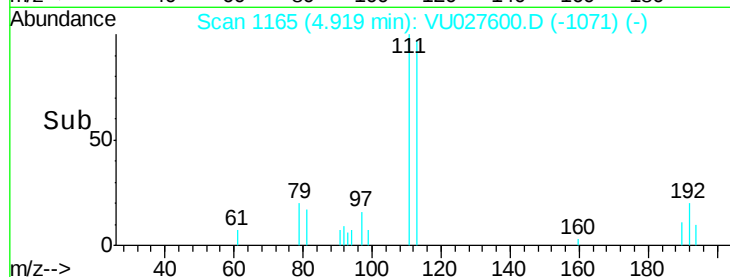
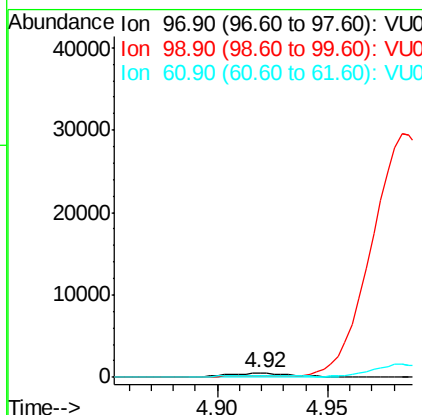
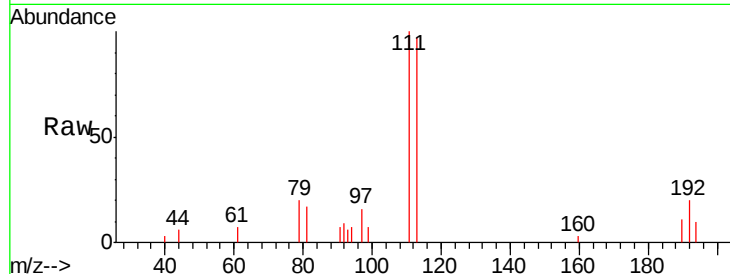
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	97	Resp:	1071
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	54.0	39.6	59.4

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#33

1,2-Dichloroethane-d4

Concen: 51.79 ug/l

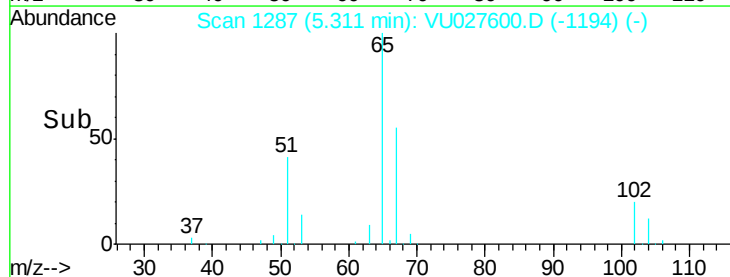
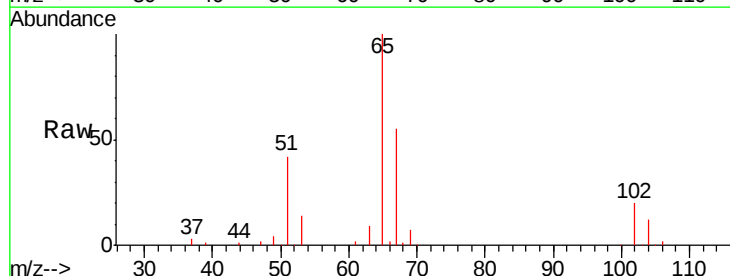
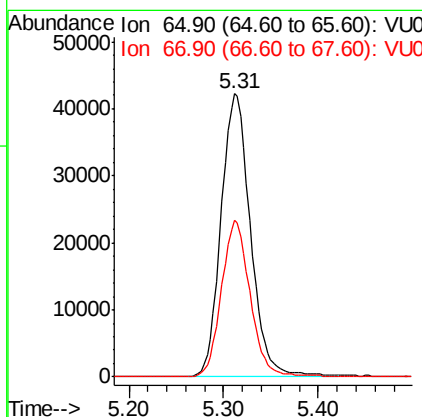
RT: 5.31 min Scan# 1287

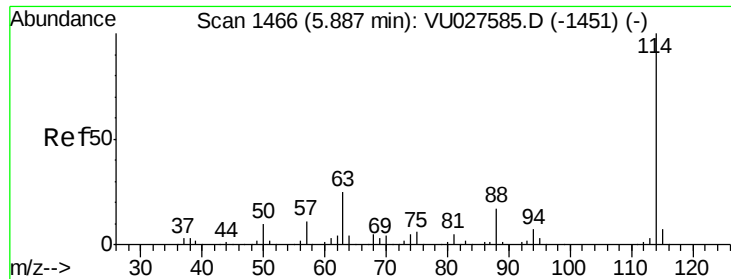
Delta R.T. -0.00 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Tgt Ion:	65	Resp:	91643
Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	107.8





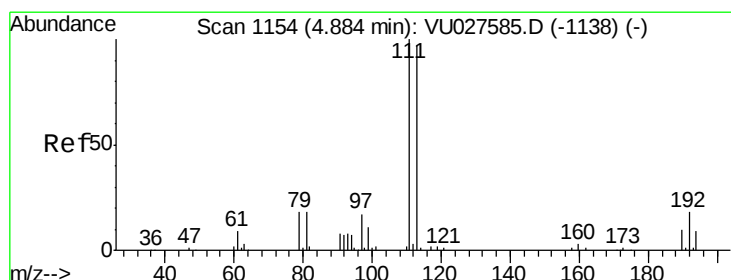
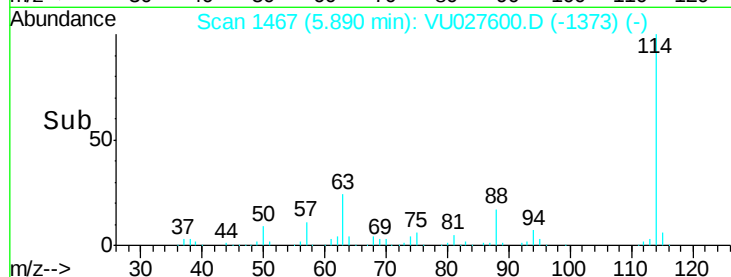
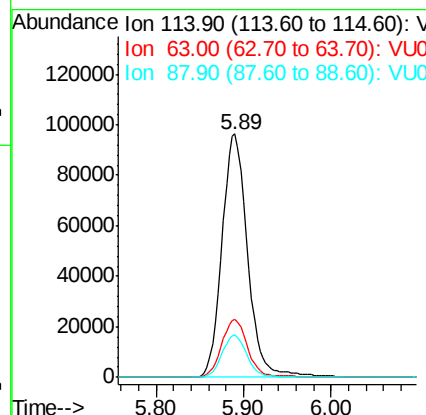
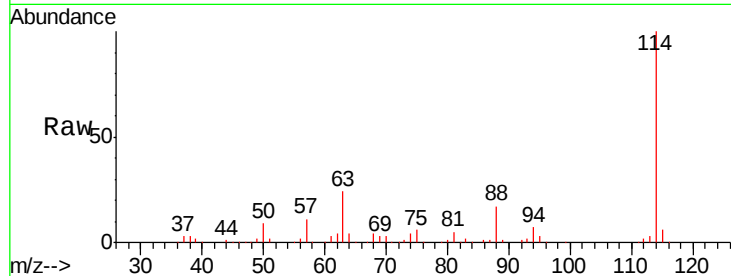
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	196601		
63	23.9	0.0	50.2	
88	17.3	0.0	33.8	

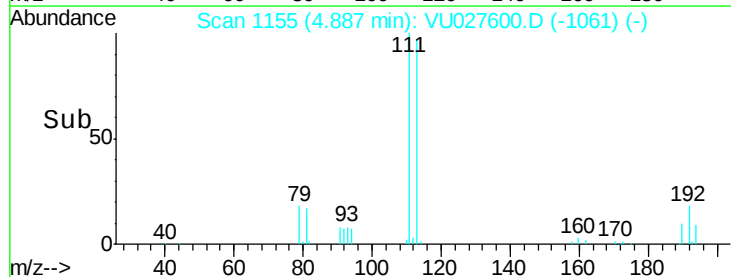
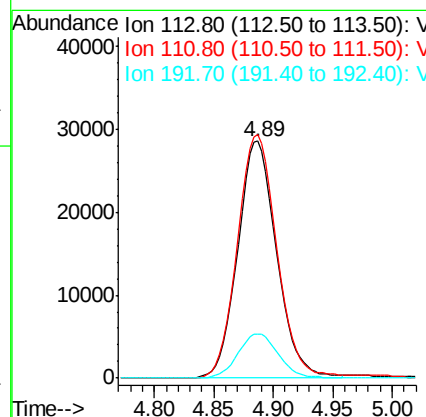
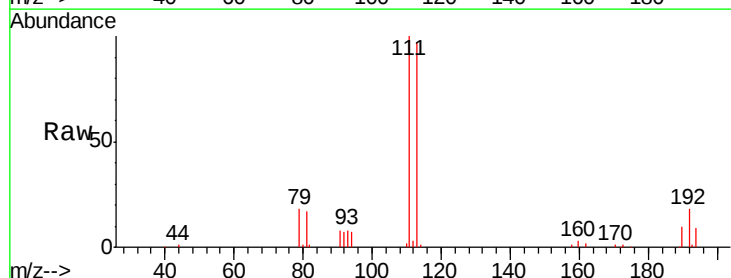
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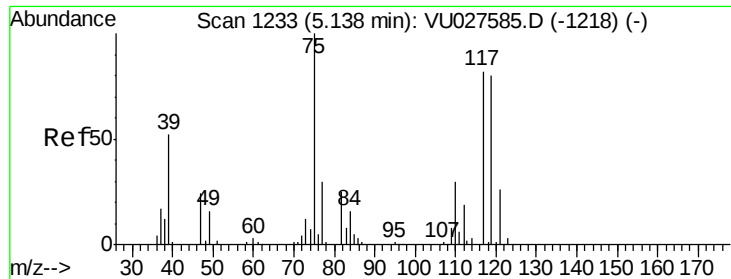
MMDadoda
 10/16/2018 2:22:45 PM



#35
 Dibromofluoromethane
 Concen: 49.86 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	64849		
111	104.2	83.1	124.7	
192	19.2	15.4	23.0	





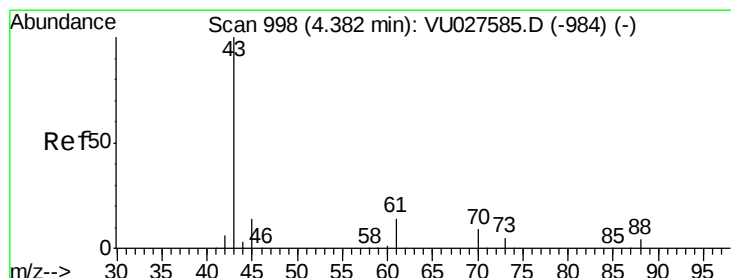
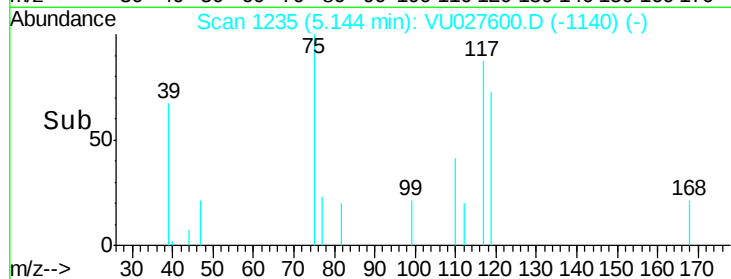
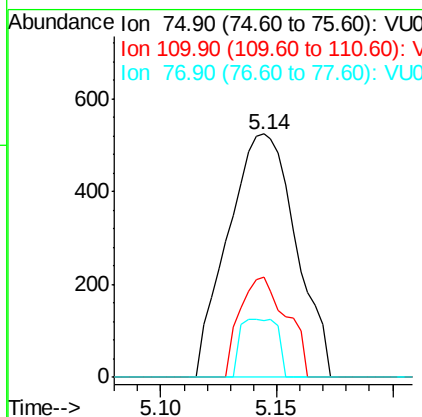
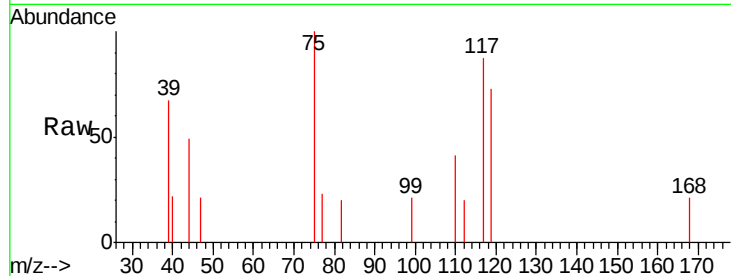
#36
 1,1-Dichloropropene
 Concen: 0.53 ug/l
 RT: 5.14 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.2	15.5	46.5
77	13.1	25.4	38.0#

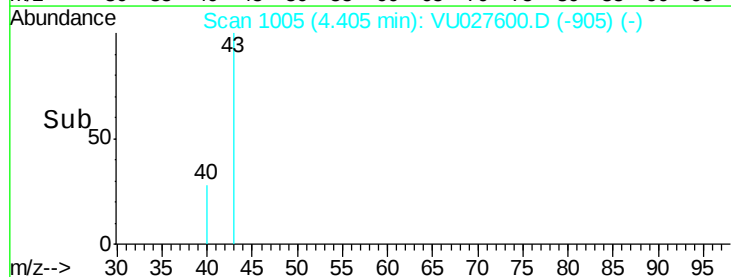
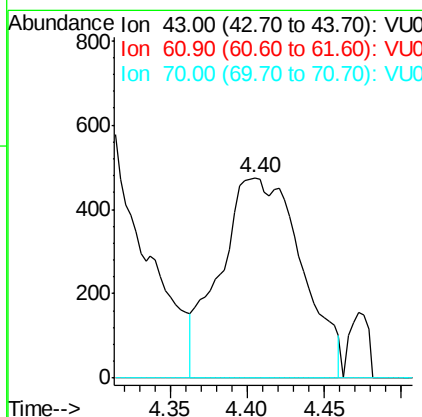
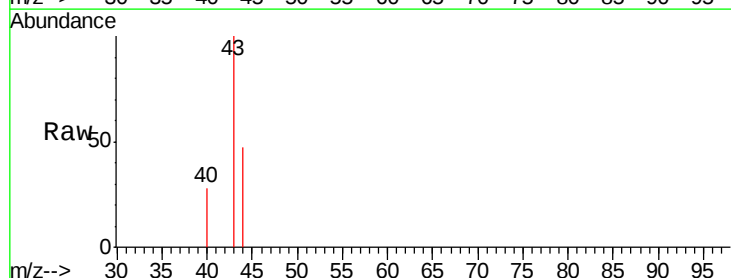
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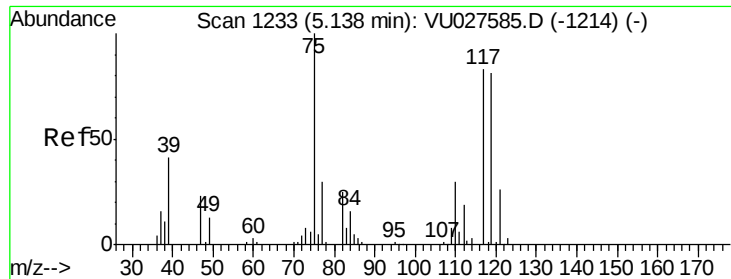
MMDadoda
 10/16/2018 2:22:45 PM



#37
 Ethyl Acetate
 Concen: 0.58 ug/l m
 RT: 4.40 min Scan# 1005
 Delta R.T. 0.02 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.0	7.4	11.2#





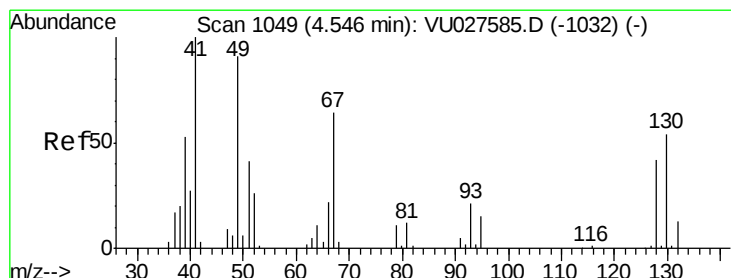
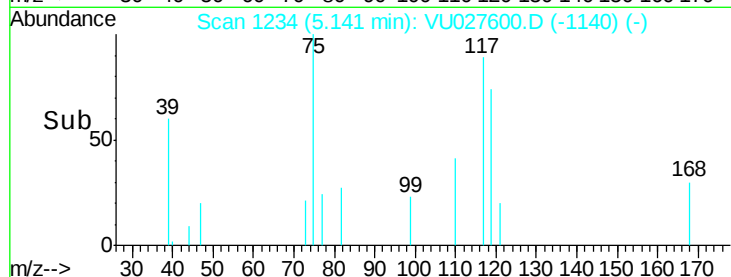
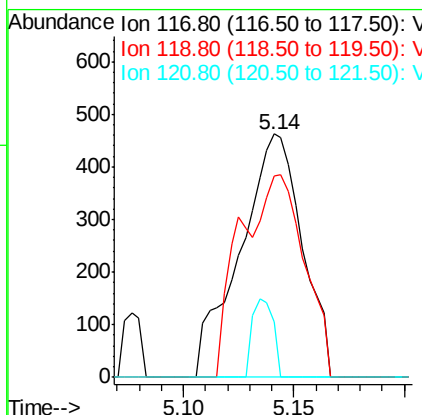
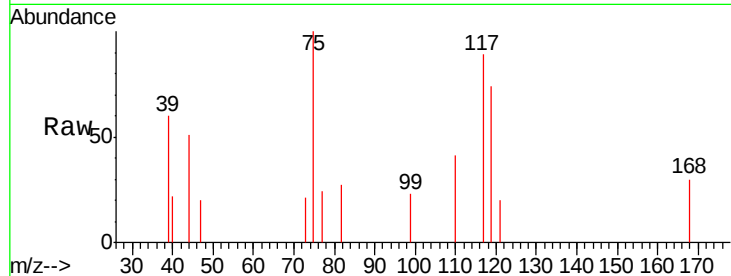
#38
Carbon Tetrachloride
Concen: 0.49 ug/l
RT: 5.14 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU027600.D
Acq: 11 Oct 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
117	100		
119	82.9	74.5	111.7
121	22.7	24.6	37.0#

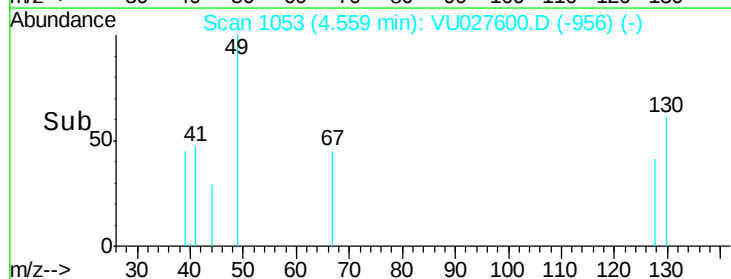
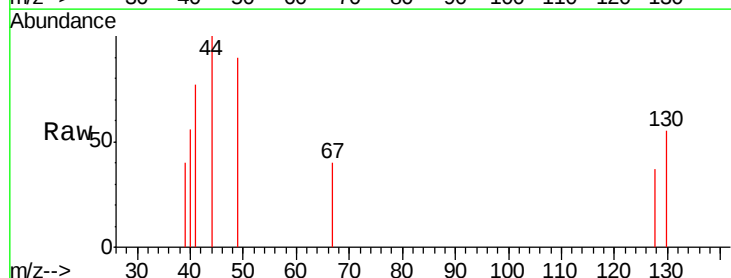
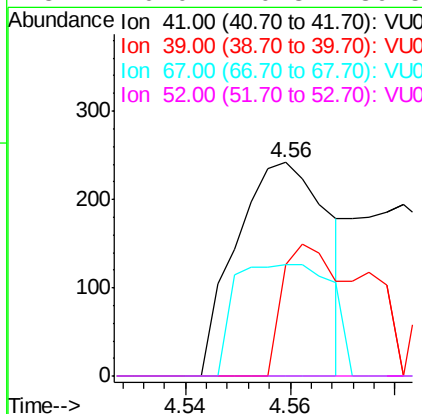
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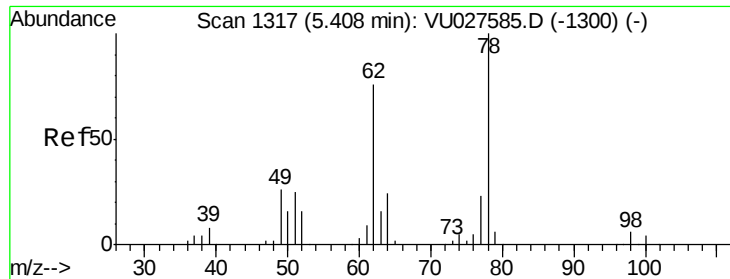
MMDadoda
10/16/2018 2:22:45 PM



#41
Methacrylonitrile
Concen: 0.78 ug/l m
RT: 4.56 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VU027600.D
Acq: 11 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.1	61.7#
67	0.0	50.4	75.6#
52	0.0	20.3	30.5#





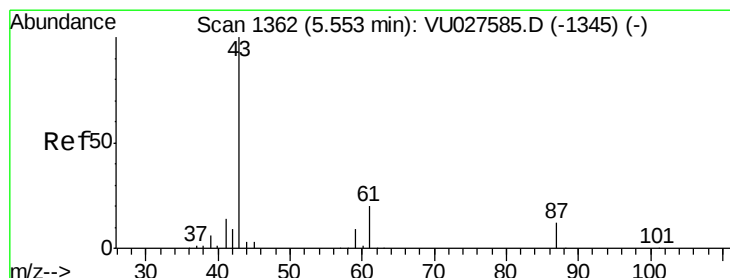
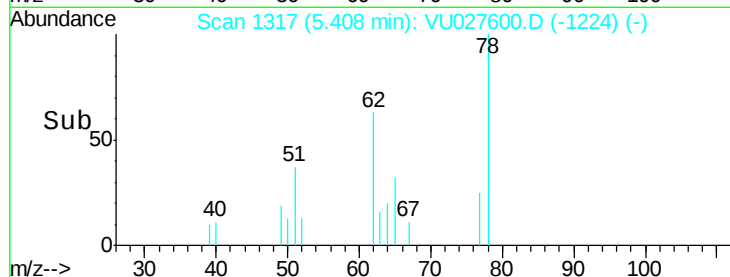
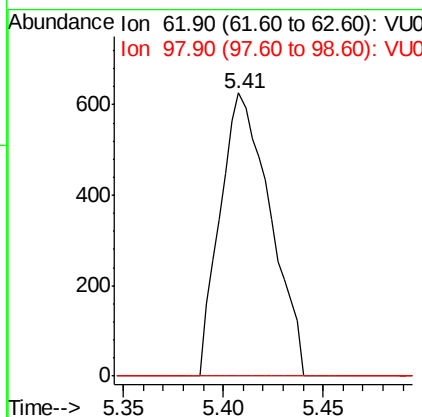
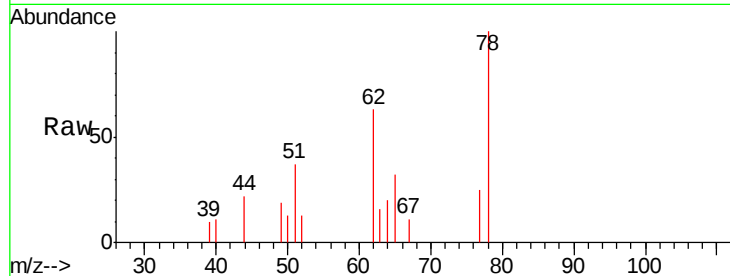
#42
 1,2-Dichloroethane
 Concen: 0.48 ug/l m
 RT: 5.41 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	1068		
98	0.0	0.0	0.0	16.8

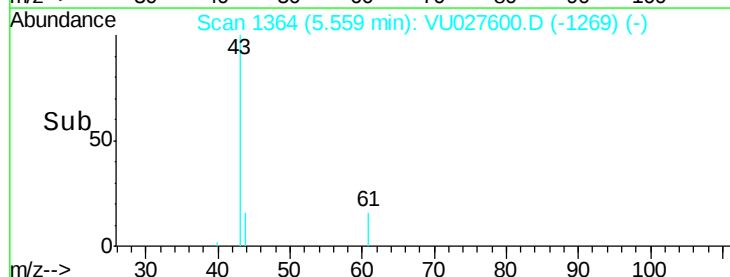
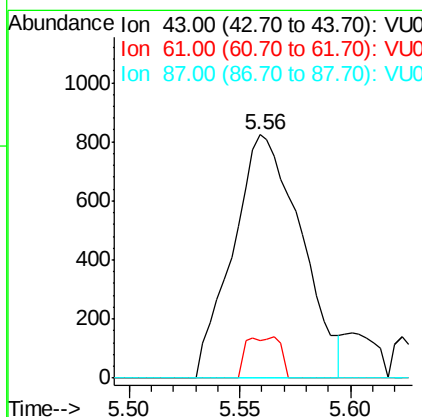
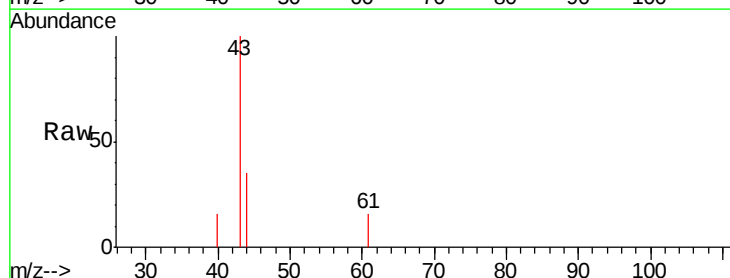
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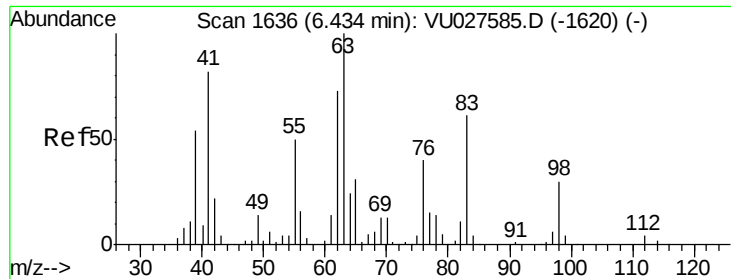
MMDadoda
 10/16/2018 2:22:45 PM



#43
 Isopropyl Acetate
 Concen: 0.42 ug/l
 RT: 5.56 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1758		
61	8.6	15.3	22.9#	
87	0.0	8.6	13.0#	





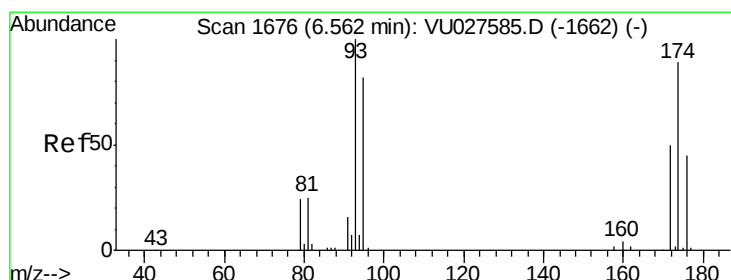
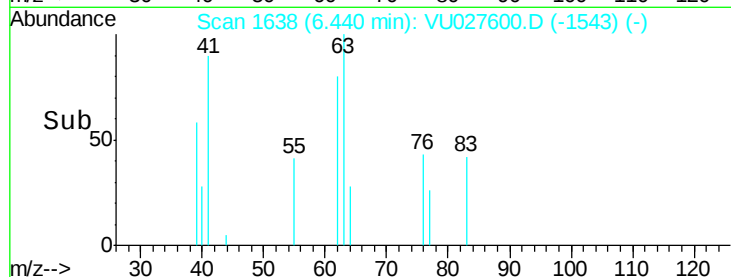
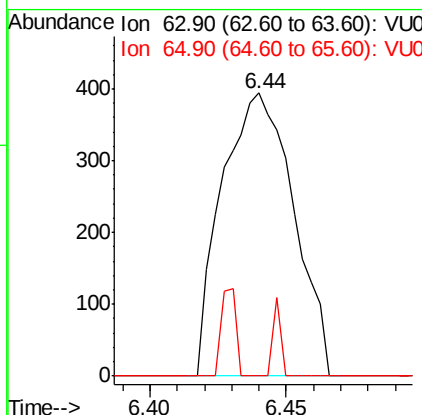
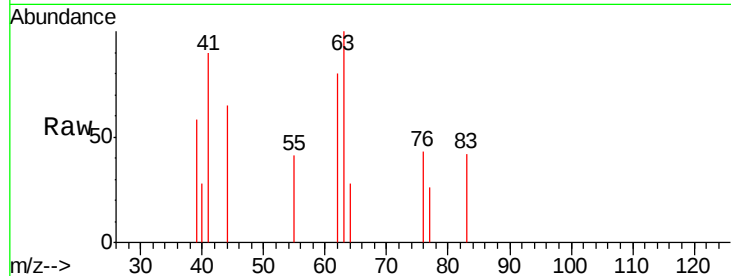
#45
 1,2-Dichloropropane
 Concen: 0.42 ug/l
 RT: 6.44 min Scan# 1638
 Delta R.T. 0.01 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 63 Resp: 718
 Ion Ratio Lower Upper
 63 100
 65 0.0 26.0 39.0#

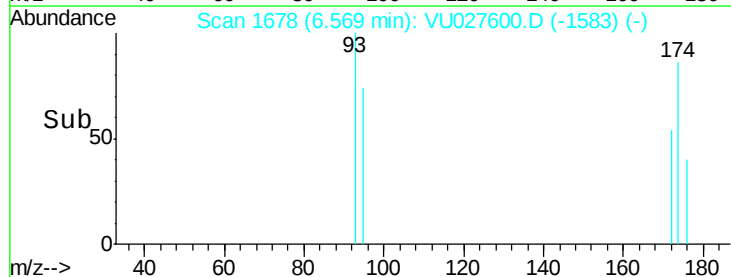
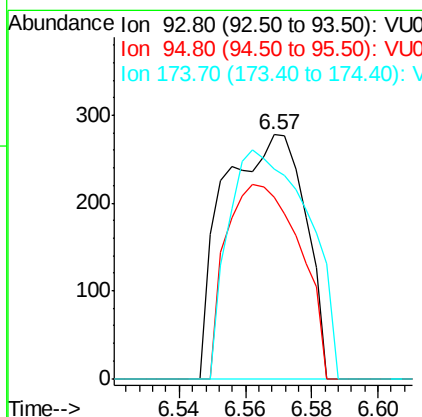
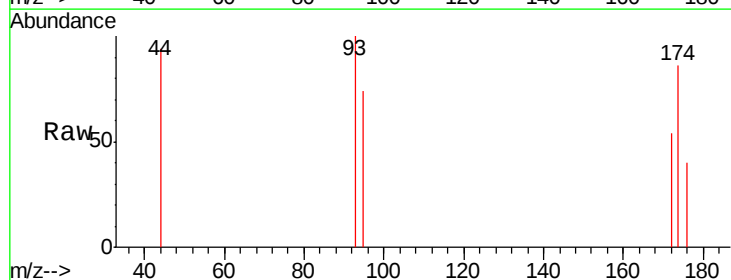
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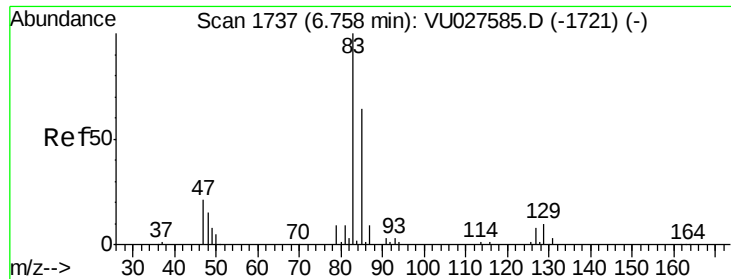
MMDadoda
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#46
 Dibromomethane
 Concen: 0.47 ug/l
 RT: 6.57 min Scan# 1678
 Delta R.T. 0.01 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Tgt Ion: 93 Resp: 474
 Ion Ratio Lower Upper
 93 100
 95 71.9 66.5 99.7
 174 91.8 72.5 108.7





#47

Bromodichloromethane

Concen: 0.46 ug/l

RT: 6.76 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Instrument :

MSVOA_U

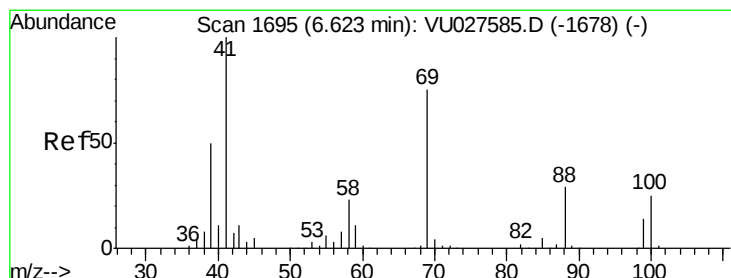
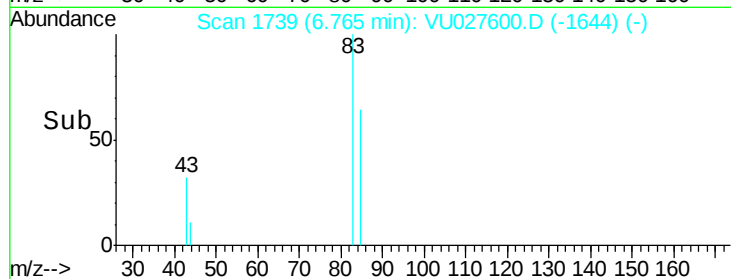
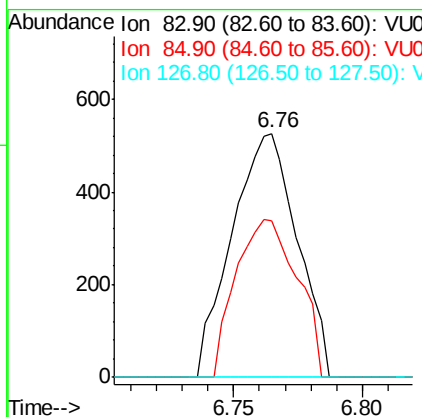
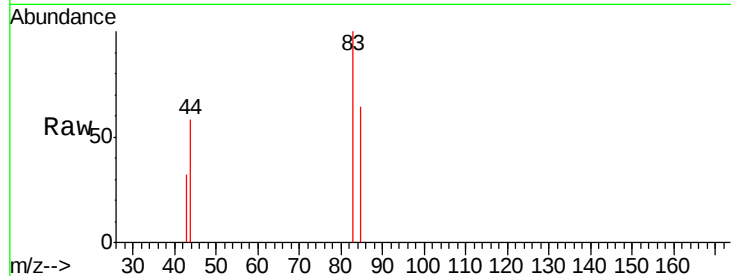
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	83	Resp:	928
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.0
127	0.0	6.3	9.5#

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10/16/2018 2:22:45 PM



#48

Methyl methacrylate

Concen: 1.87 ug/l

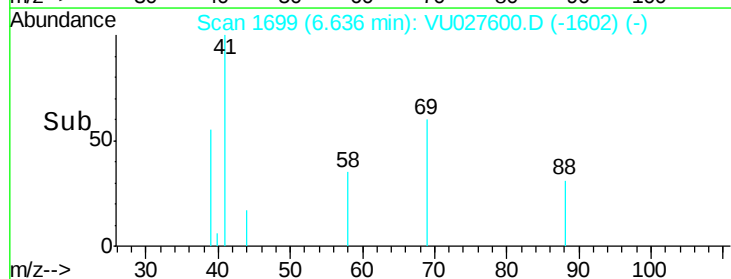
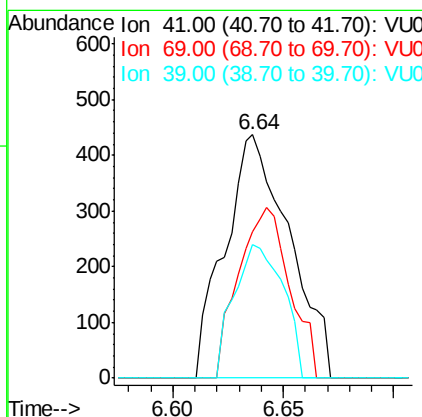
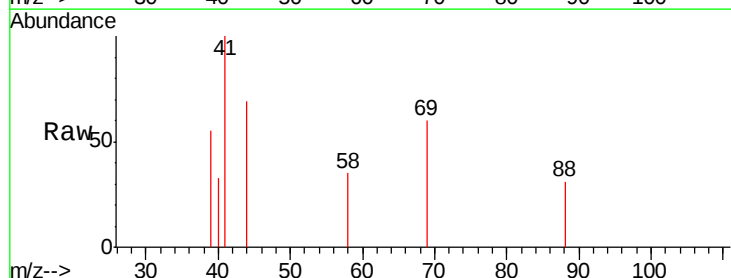
RT: 6.64 min Scan# 1699

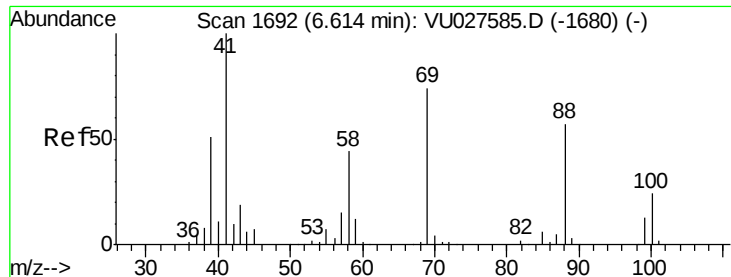
Delta R.T. 0.01 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Tgt Ion:	41	Resp:	886
Ion	Ratio	Lower	Upper
41	100		
69	55.5	61.0	91.4#
39	42.1	39.9	59.9





#49

1,4-Dioxane

Concen: 6.35 ug/l m

RT: 6.63 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Instrument :

MSVOA_U

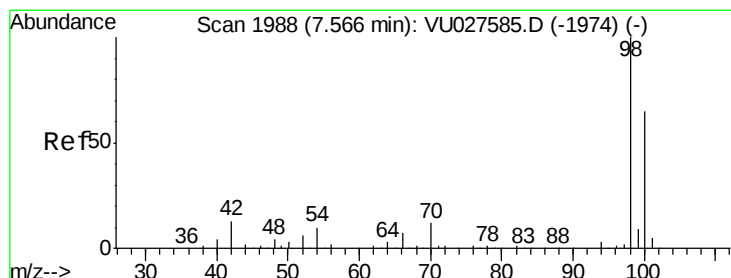
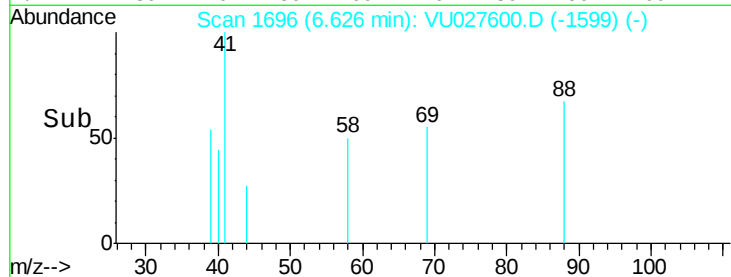
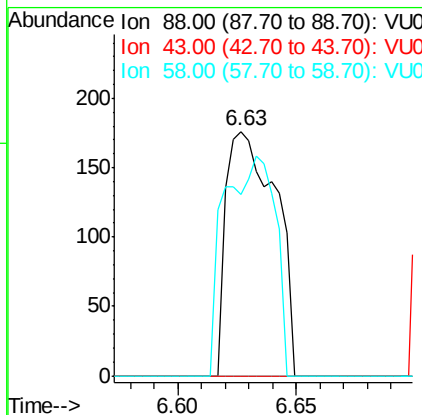
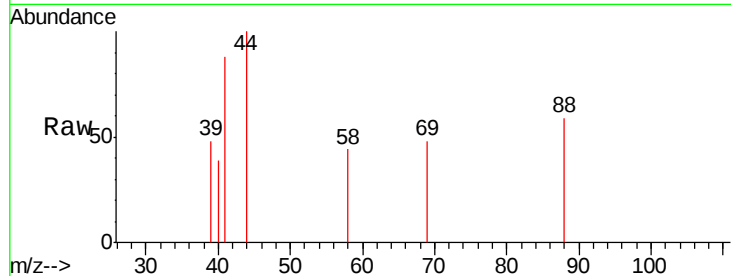
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	88	Resp:	252
Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.8	46.2#
58	0.0	67.0	100.6#

Manual Integrations
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#50

Toluene-d8

Concen: 47.84 ug/l

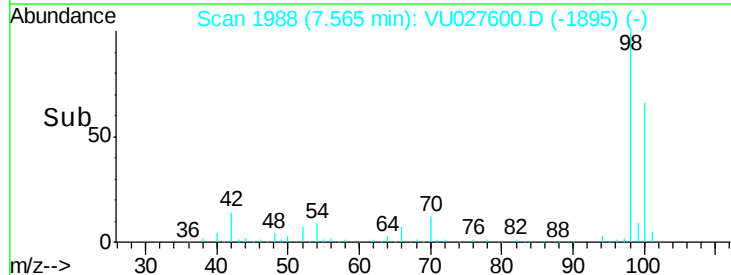
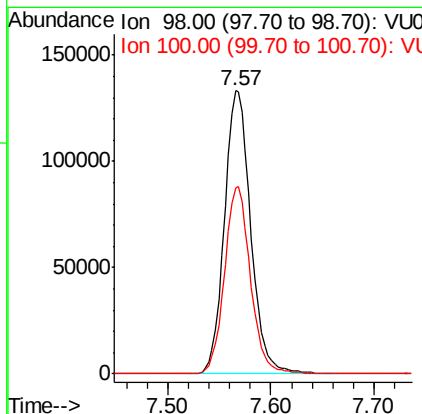
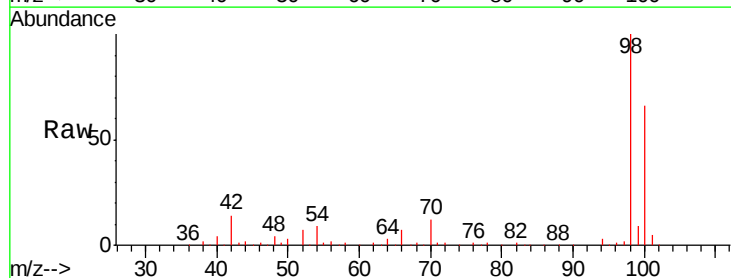
RT: 7.57 min Scan# 1988

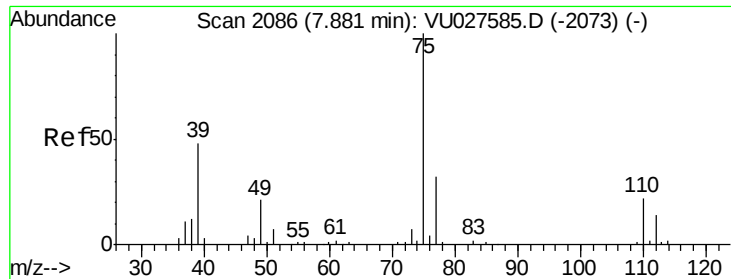
Delta R.T. -0.00 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Tgt Ion:	98	Resp:	236957
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1





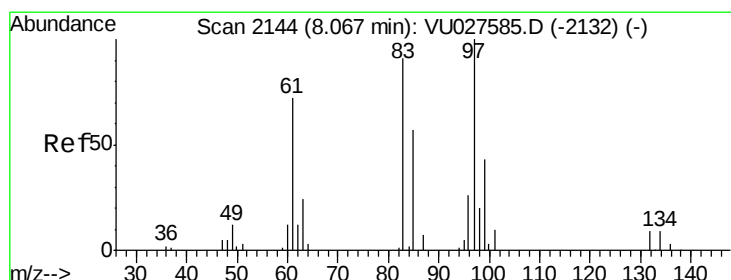
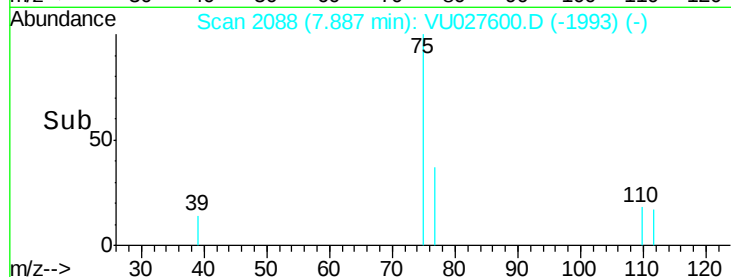
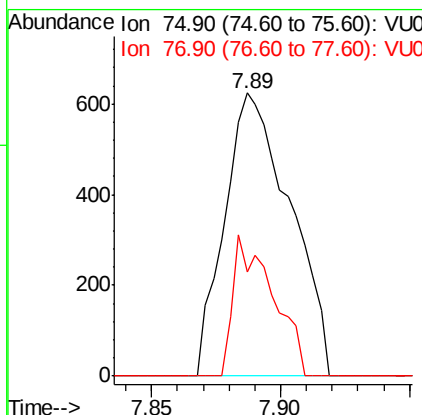
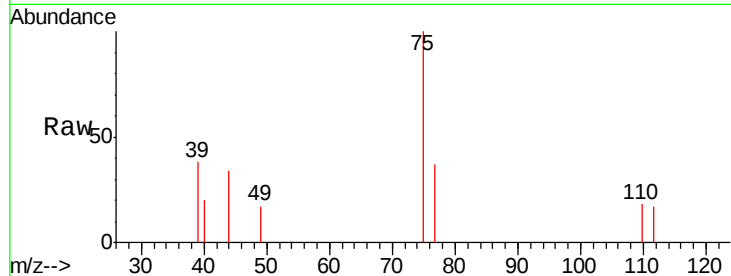
#53
t-1,3-Dichloropropene
Concen: 0.48 ug/l
RT: 7.89 min Scan# 2088
Delta R.T. 0.01 min
Lab File: VU027600.D
Acq: 11 Oct 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 75 Resp: 1106
Ion Ratio Lower Upper
75 100
77 36.7 25.0 37.6

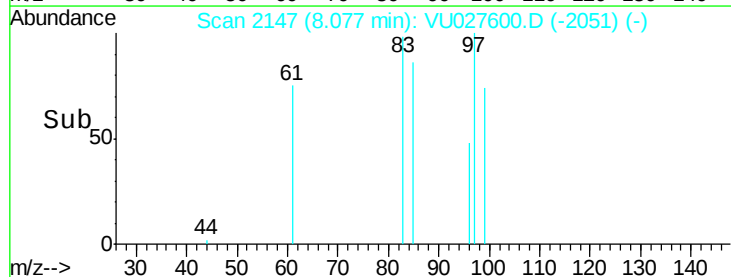
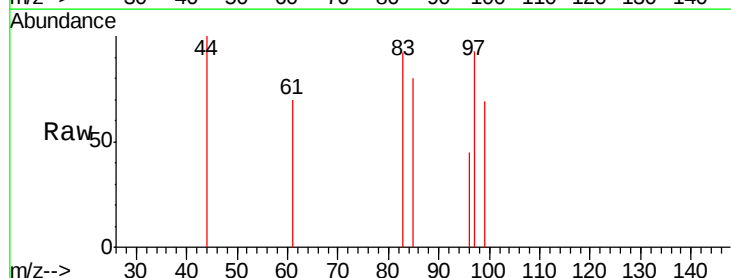
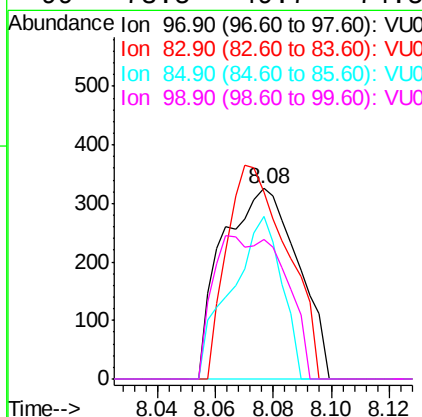
Manual Integrations
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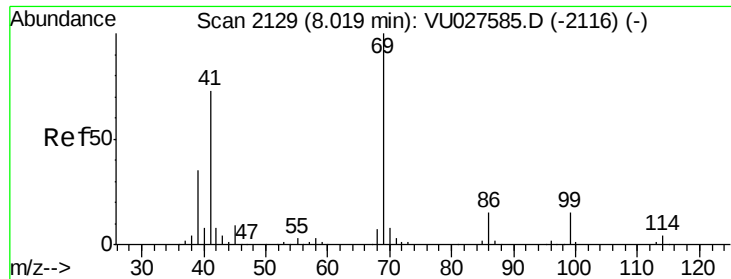
MMDadoda
10/16/2018 2:22:45 PM



#55
1,1,2-Trichloroethane
Concen: 0.41 ug/l
RT: 8.08 min Scan# 2147
Delta R.T. 0.01 min
Lab File: VU027600.D
Acq: 11 Oct 2018 15:44

Tgt Ion: 97 Resp: 588
Ion Ratio Lower Upper
97 100
83 98.5 73.0 109.6
85 85.5 47.3 70.9#
99 73.5 49.7 74.5





#56

Ethyl methacrylate

Concen: 2.48 ug/l

RT: 8.04 min Scan# 2135

Delta R.T. 0.02 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Instrument :

MSVOA_U

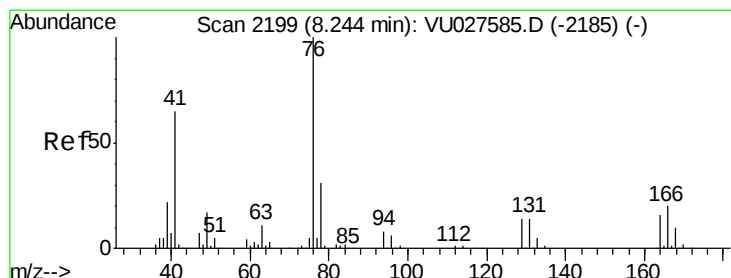
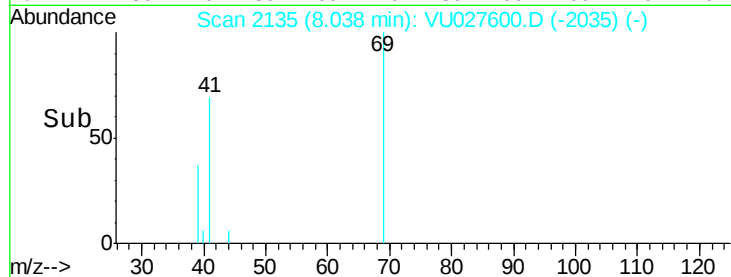
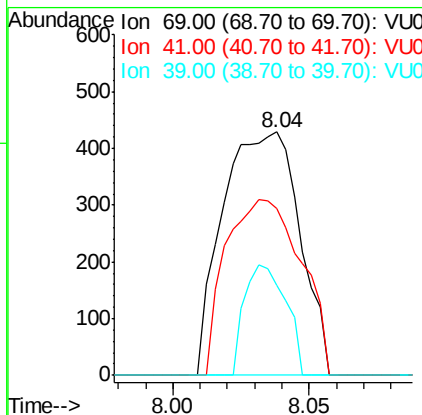
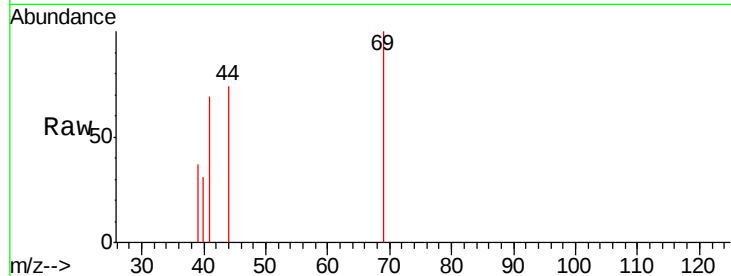
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	69	Resp:	839
Ion	Ratio	Lower	Upper
69	100		
41	71.0	60.0	90.0
39	24.3	29.5	44.3#

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#57

1,3-Dichloropropane

Concen: 0.45 ug/l

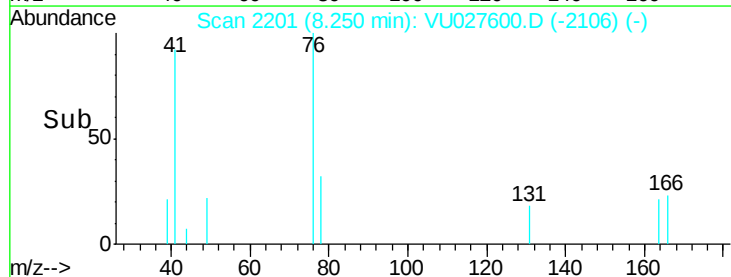
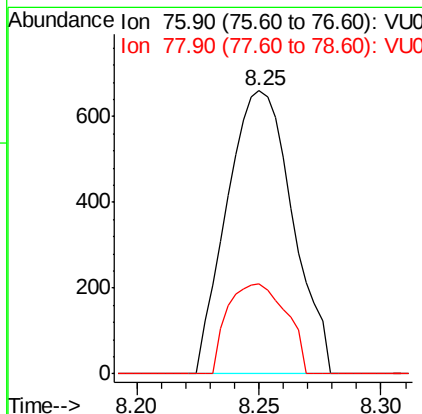
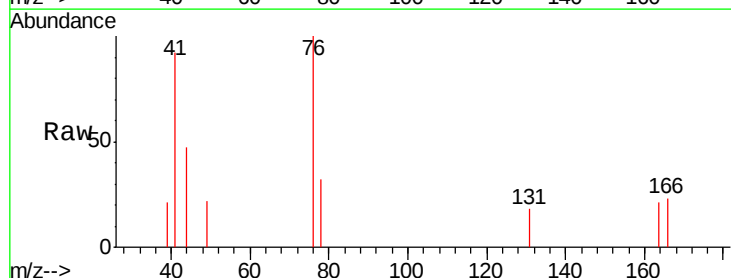
RT: 8.25 min Scan# 2201

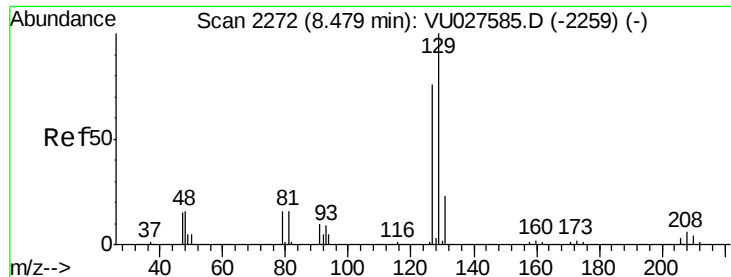
Delta R.T. 0.01 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Tgt Ion:	76	Resp:	1230
Ion	Ratio	Lower	Upper
76	100		
78	28.5	25.8	38.6





#60

Dibromochloromethane

Concen: 0.43 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:129 Resp: 608

Ion Ratio Lower Upper

129 100

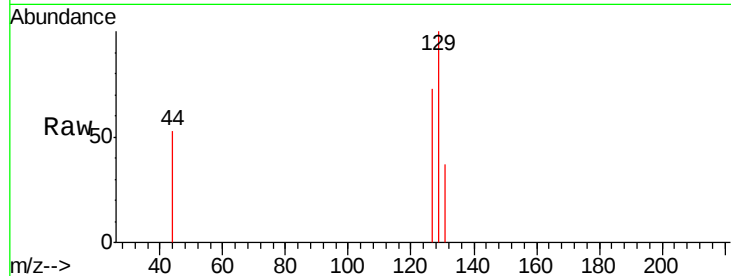
127 73.8 39.1 117.2

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.48

400

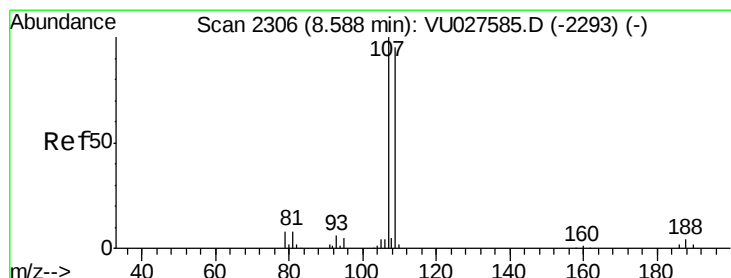
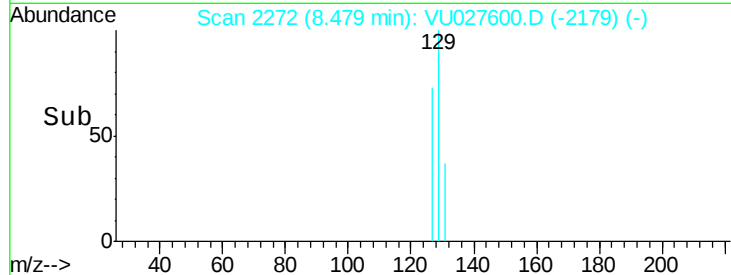
300

200

100

0

Time-->



#61

1,2-Dibromoethane

Concen: 0.48 ug/l

RT: 8.59 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VU027600.D

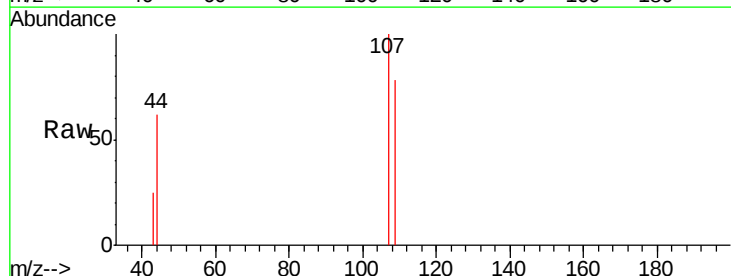
Acq: 11 Oct 2018 15:44

Tgt Ion:107 Resp: 716

Ion Ratio Lower Upper

107 100

109 78.5 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

400

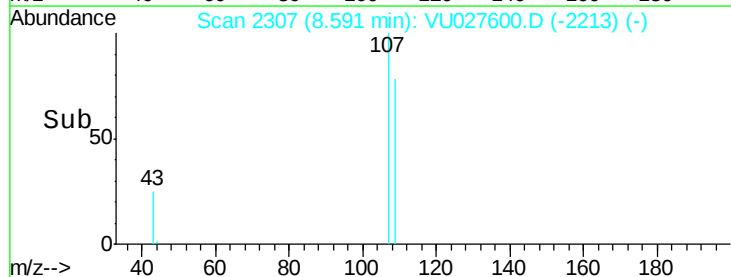
300

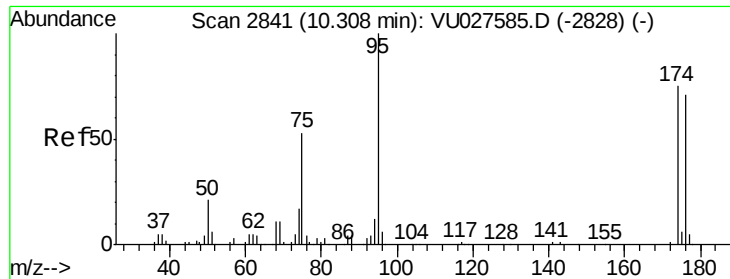
200

100

0

Time-->





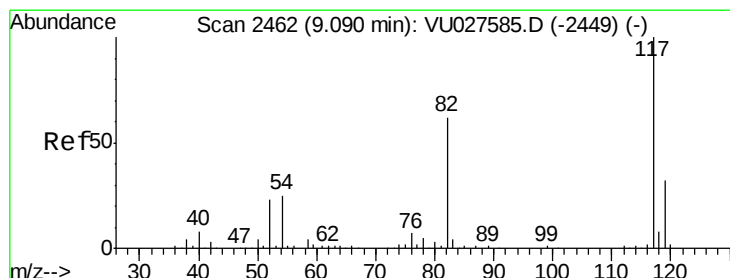
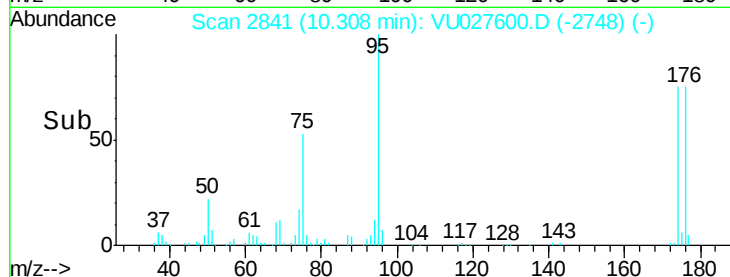
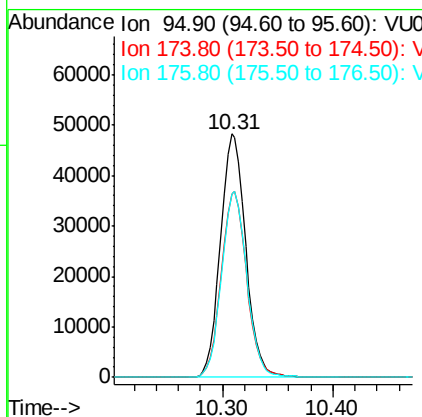
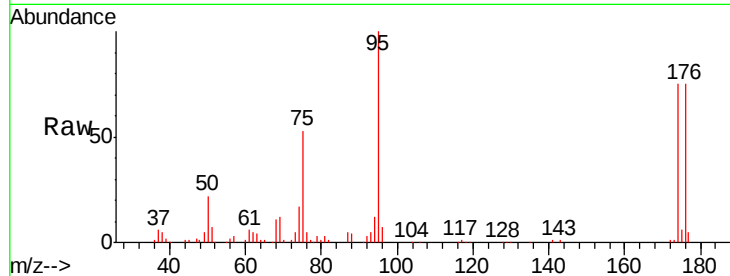
#62
4-Bromofluorobenzene
Concen: 43.00 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027600.D
Acq: 11 Oct 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	147.8
176	76.4	0.0	140.8

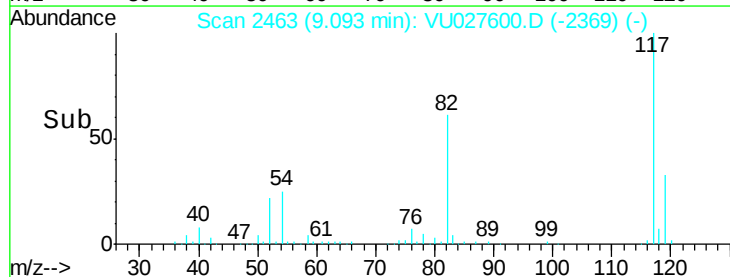
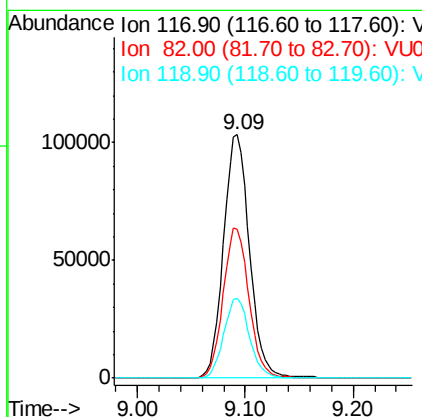
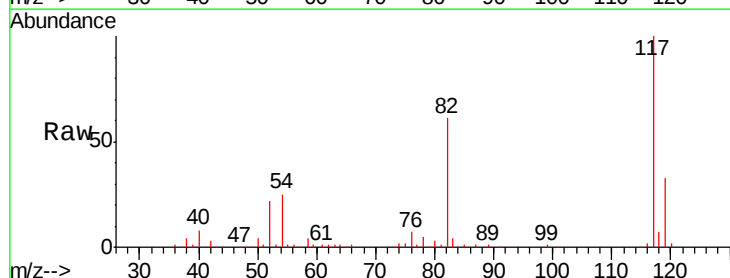
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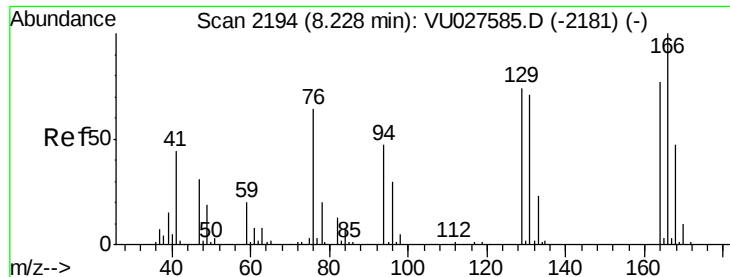
MMDadoda
10/16/2018 2:22:45 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027600.D
Acq: 11 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.2	49.2	73.8
119	32.9	25.7	38.5





#64

Tetrachloroethene

Concen: 0.62 ug/l

RT: 8.23 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VU027600.D

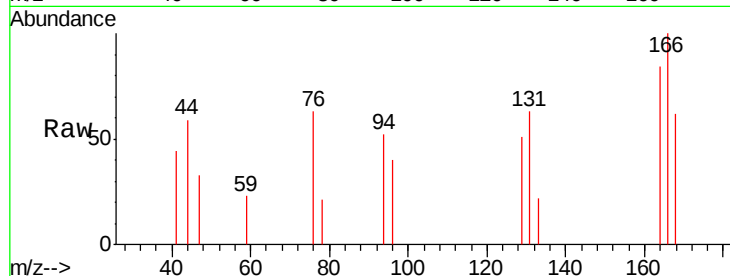
Acq: 11 Oct 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018



Tgt Ion:164 Resp: 663

Ion Ratio Lower Upper

164 100

166 118.5 101.0 151.6

129 59.9 78.0 117.0#

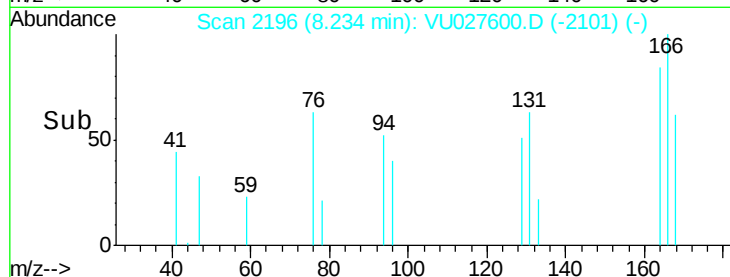
131 75.2 72.6 109.0

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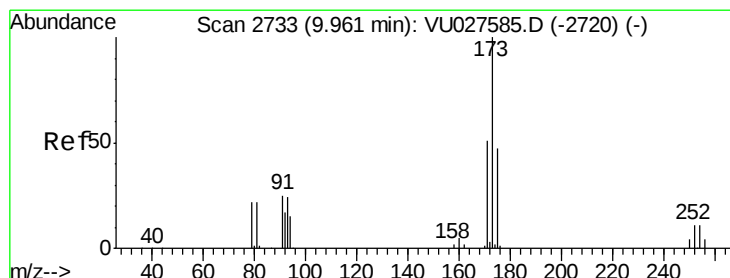
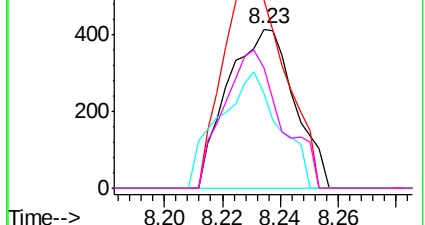


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 0.37 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

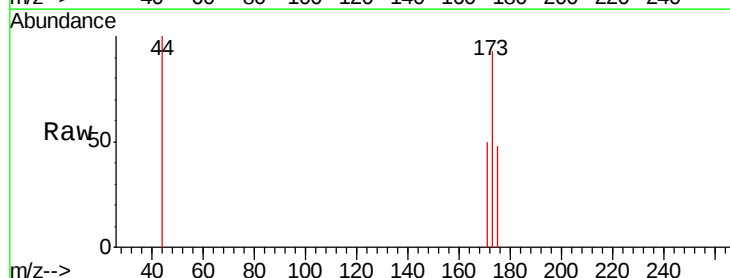
Tgt Ion:173 Resp: 377

Ion Ratio Lower Upper

173 100

175 24.9 24.3 73.0

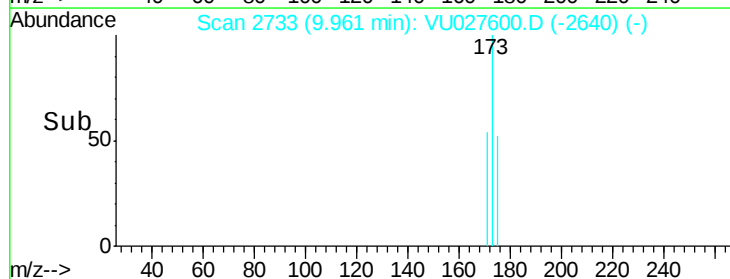
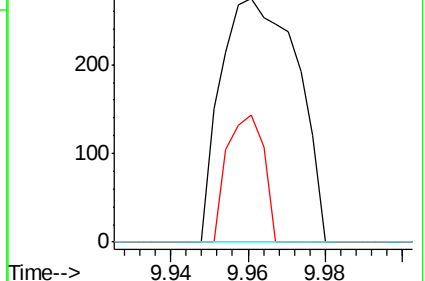
254 0.0 0.0 0.0

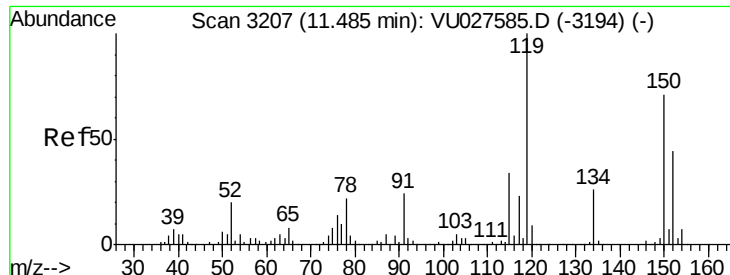


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 152 Resp: 73554

Ion Ratio Lower Upper

152 100

115 61.5 43.4 130.2

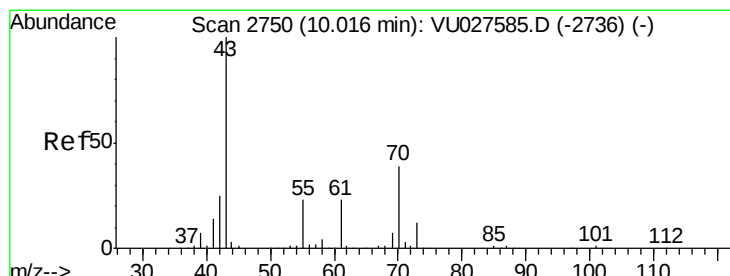
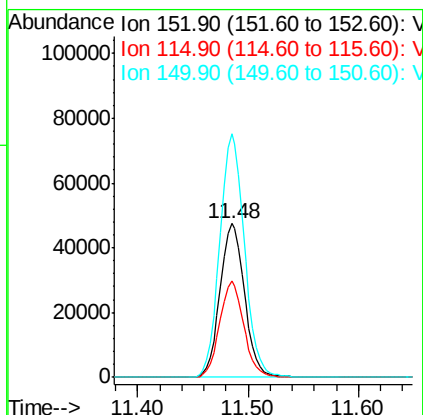
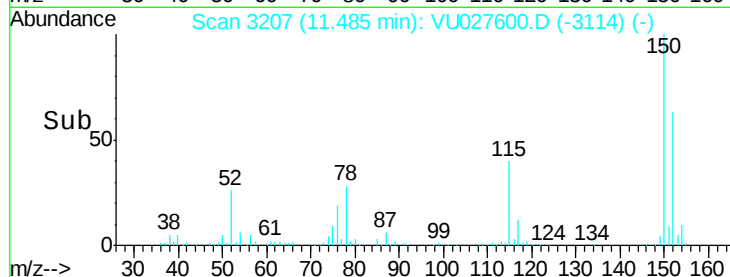
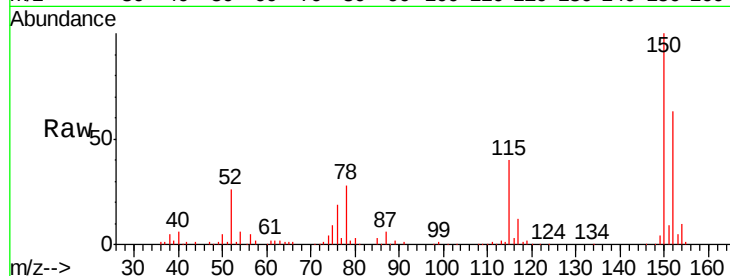
150 158.4 0.0 349.2

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#74

N-ethyl acetate

Concen: 0.53 ug/l

RT: 10.02 min Scan# 2752

Delta R.T. 0.01 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Tgt Ion: 43 Resp: 1547

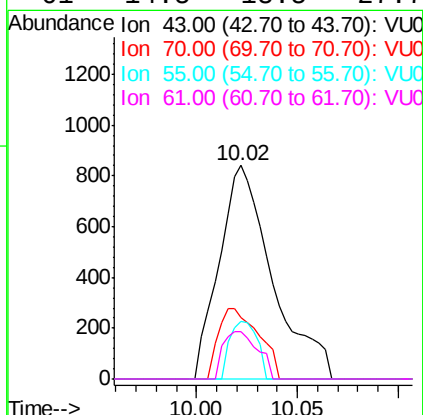
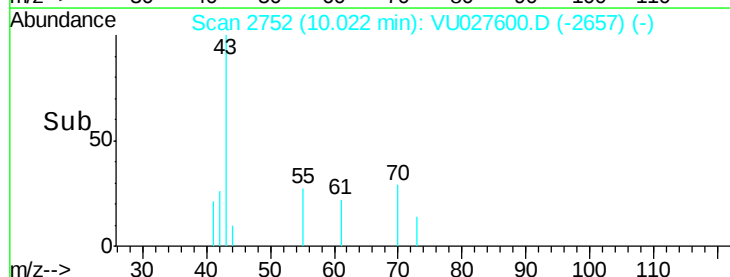
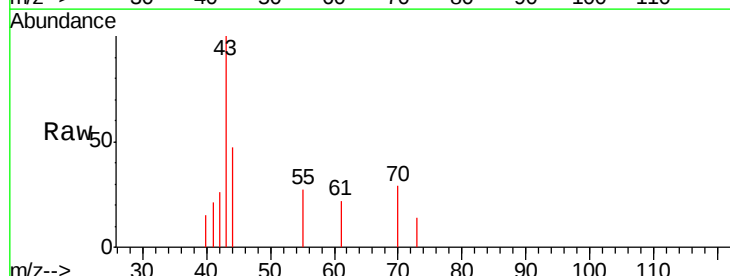
Ion Ratio Lower Upper

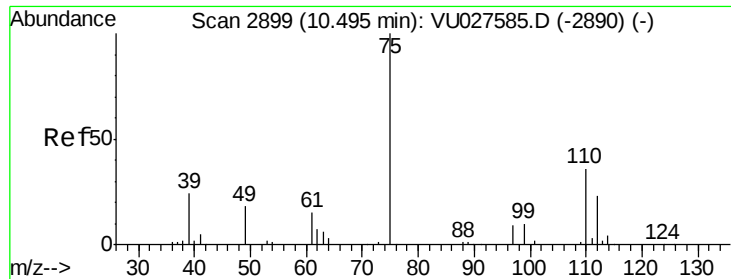
43 100

70 25.2 31.3 46.9#

55 14.0 19.0 28.6#

61 14.5 18.5 27.7#





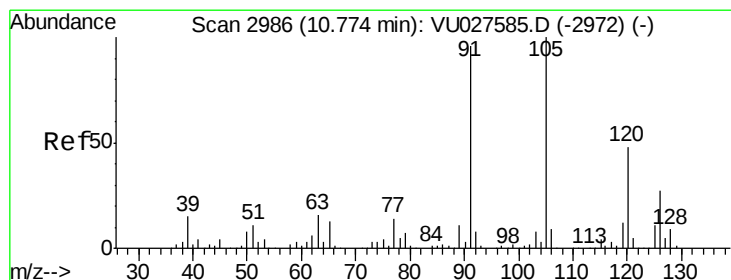
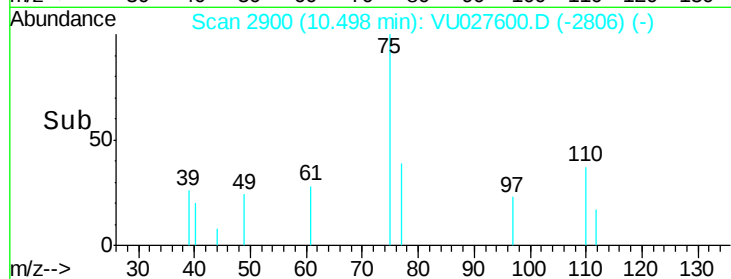
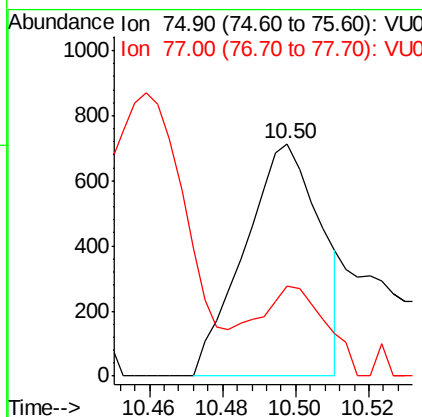
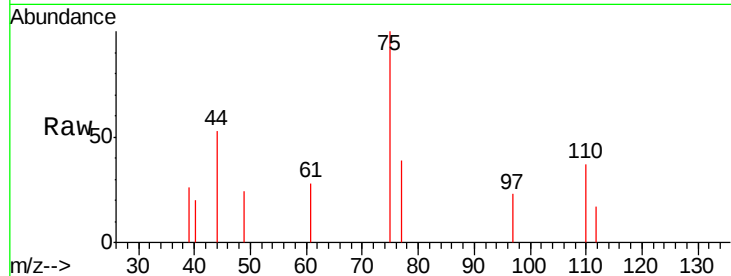
#76
 1,2,3-Trichloropropane
 Concen: 0.49 ug/l m
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 75 Resp: 1030
 Ion Ratio Lower Upper
 75 100
 77 33.0 20.3 60.9

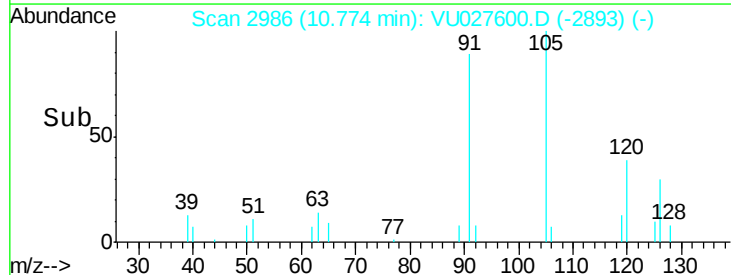
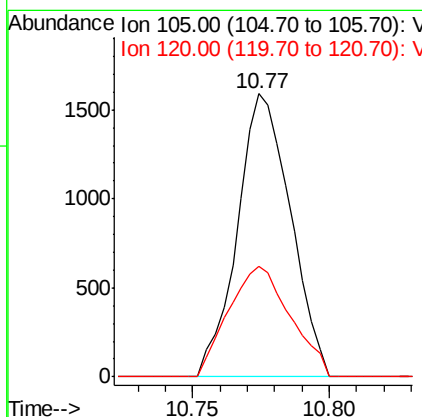
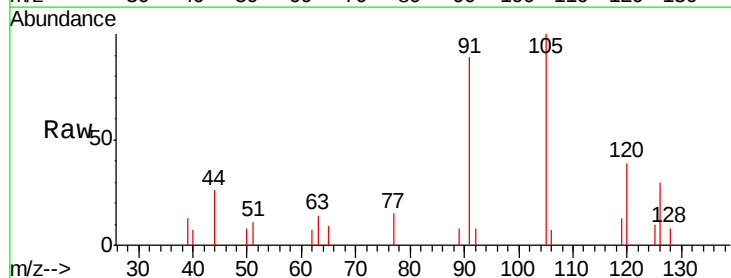
Manual Integrations
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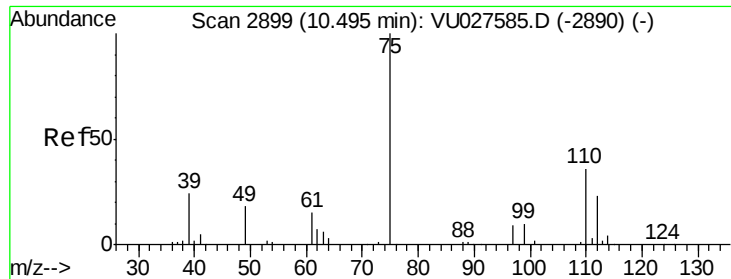
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 0.28 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Tgt Ion: 105 Resp: 2147
 Ion Ratio Lower Upper
 105 100
 120 45.4 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 0.23 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.02 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Instrument :

MSVOA_U

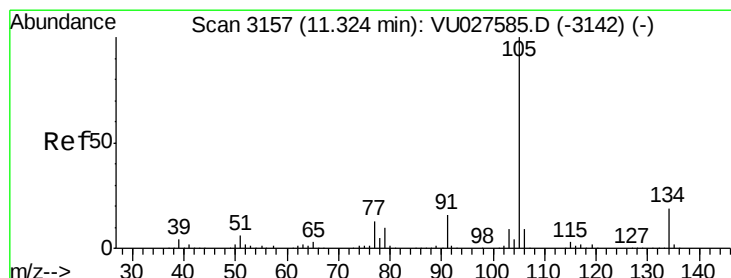
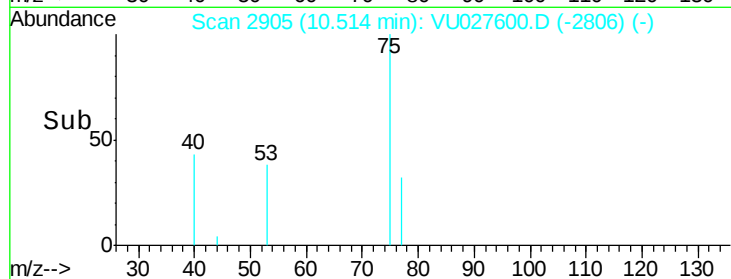
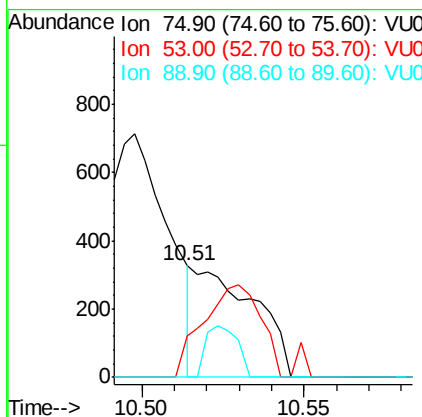
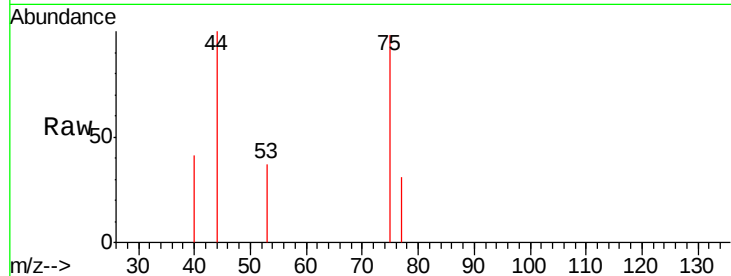
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	75	Resp:	417
Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#85

sec-Butylbenzene

Concen: 0.74 ug/l

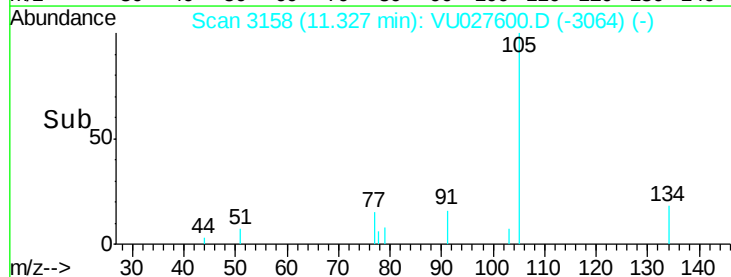
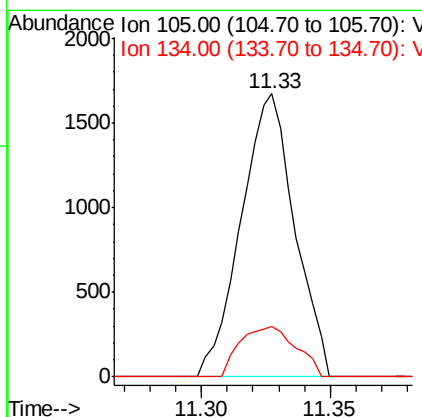
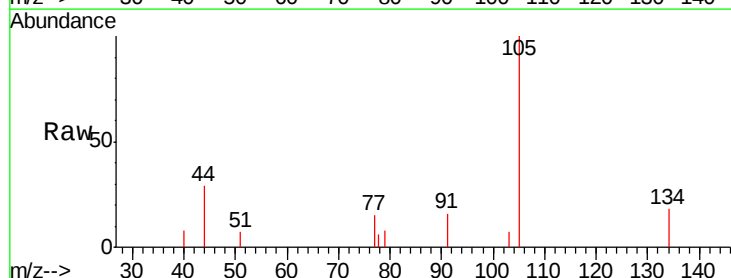
RT: 11.33 min Scan# 3158

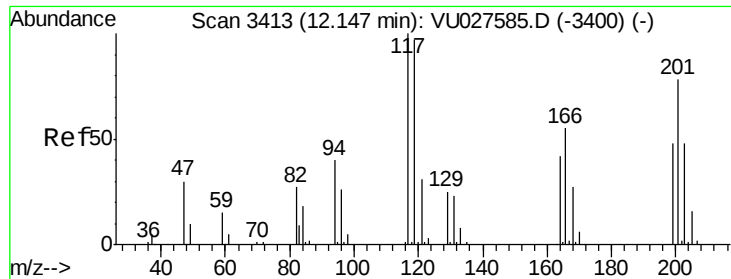
Delta R.T. 0.00 min

Lab File: VU027600.D

Acq: 11 Oct 2018 15:44

Tgt Ion:	105	Resp:	2419
Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.6	28.6





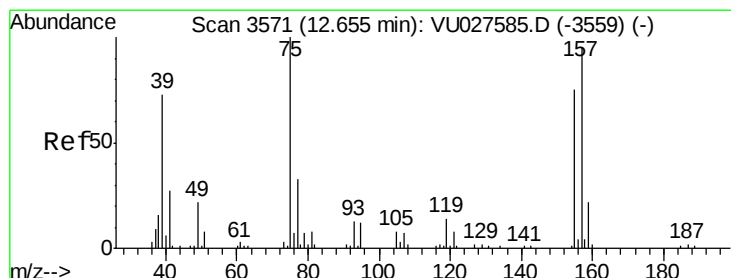
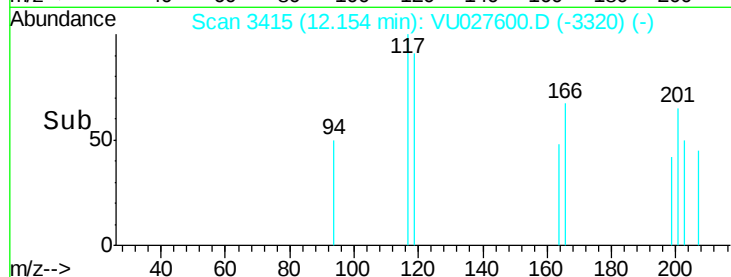
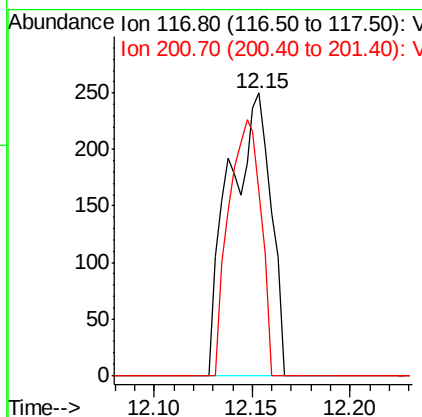
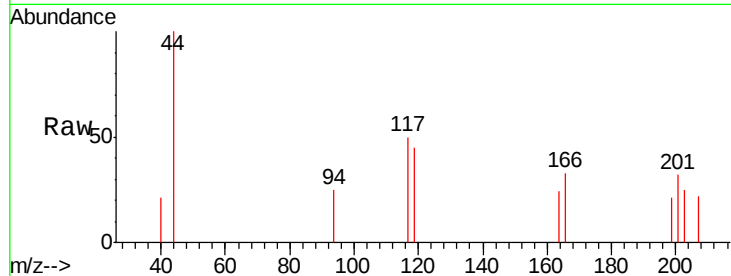
#90
Hexachloroethane
Concen: 0.45 ug/l m
RT: 12.15 min Scan# 3415
Delta R.T. 0.01 min
Lab File: VU027600.D
Acq: 11 Oct 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 117 Resp: 370
Ion Ratio Lower Upper
117 100
201 0.0 37.9 113.6#

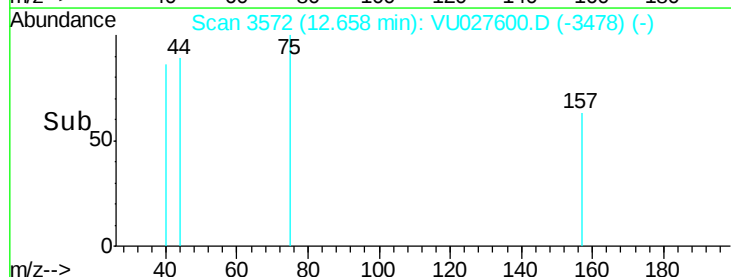
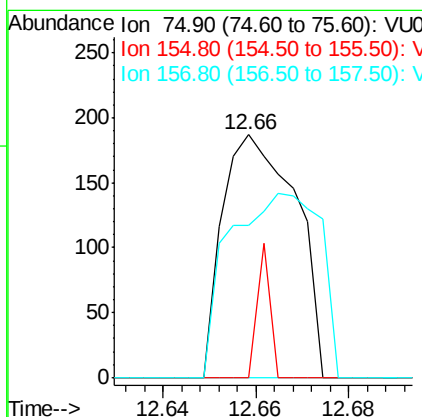
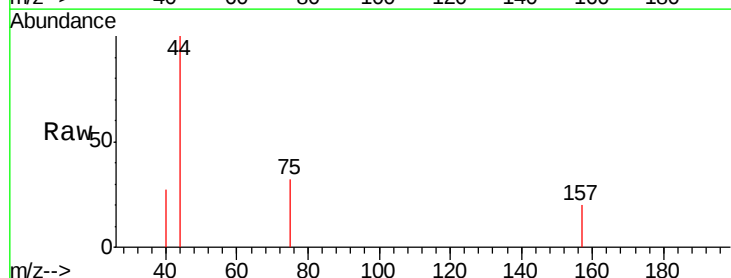
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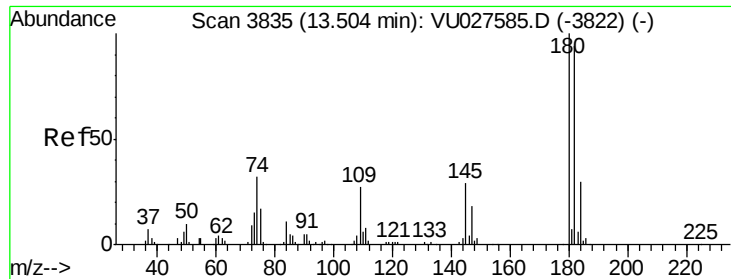
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 0.44 ug/l
RT: 12.66 min Scan# 3572
Delta R.T. 0.00 min
Lab File: VU027600.D
Acq: 11 Oct 2018 15:44

Tgt Ion: 75 Resp: 206
Ion Ratio Lower Upper
75 100
155 9.7 35.9 107.8#
157 93.7 46.9 140.6





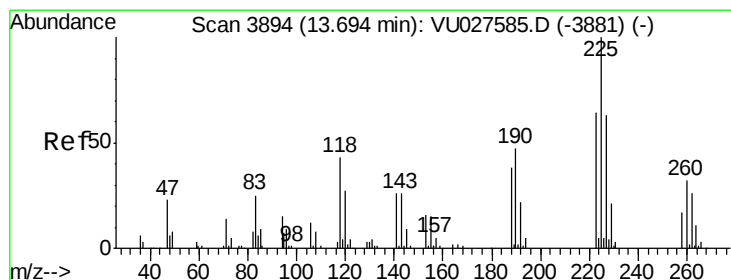
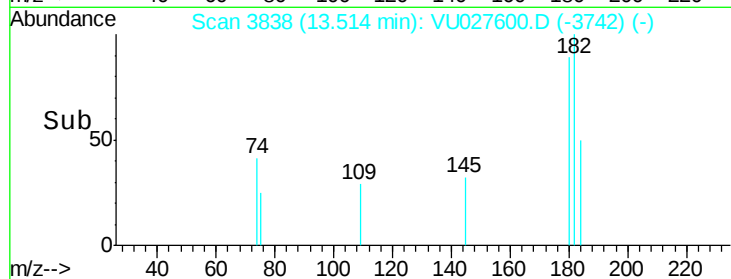
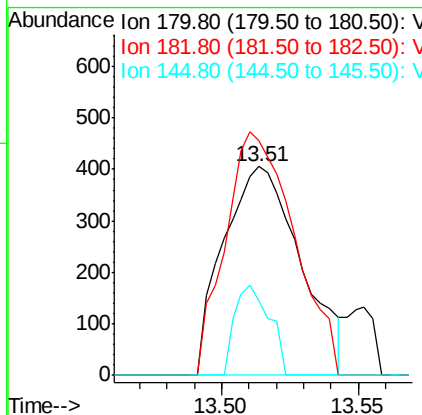
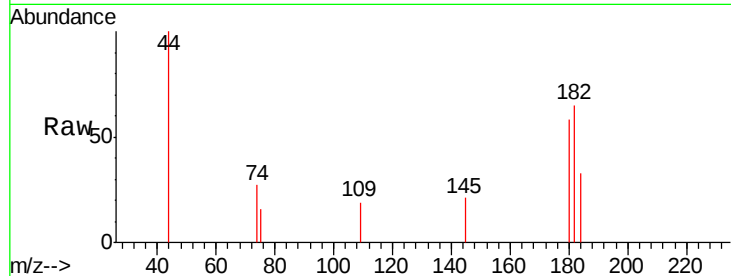
#93
 1,2,4-Trichlorobenzene
 Concen: 2.13 ug/l
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.8	47.4	142.3
145	19.4	14.6	44.0

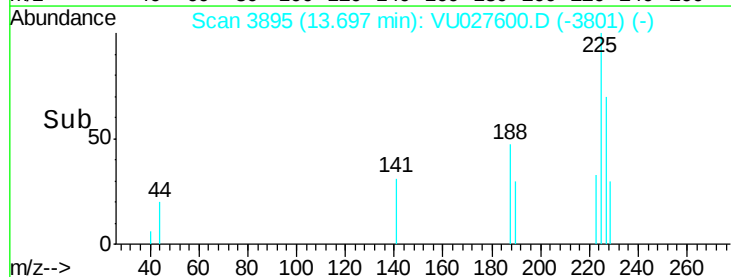
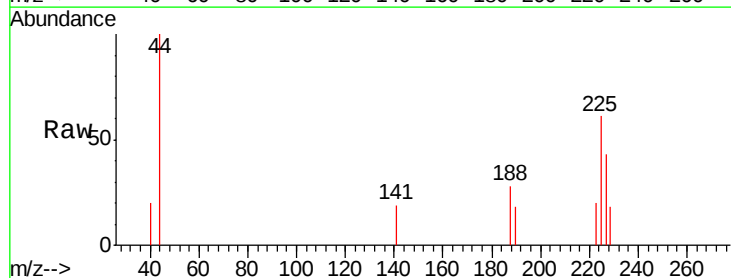
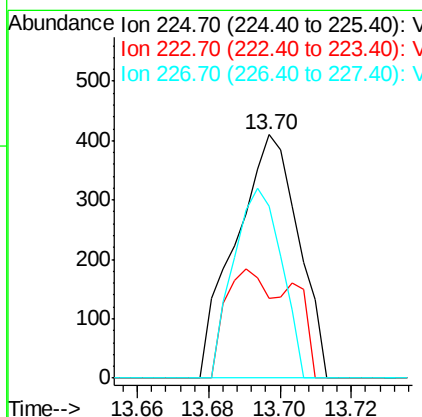
Manual Integrations
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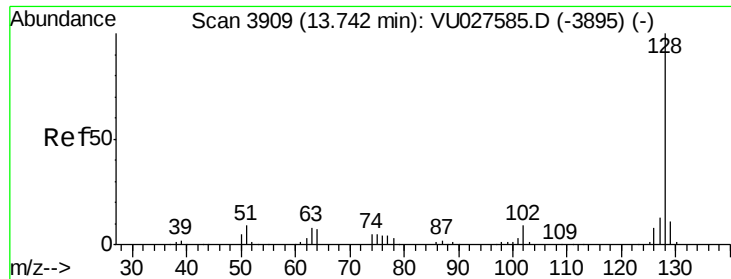
MMDadoda
 10/16/2018 2:22:45 PM



#94
 Hexachlorobutadiene
 Concen: 0.68 ug/l
 RT: 13.70 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU027600.D
 Acq: 11 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	47.6	31.8	95.3
227	59.8	31.9	95.7





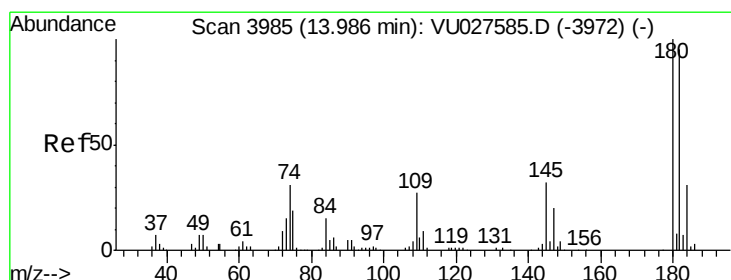
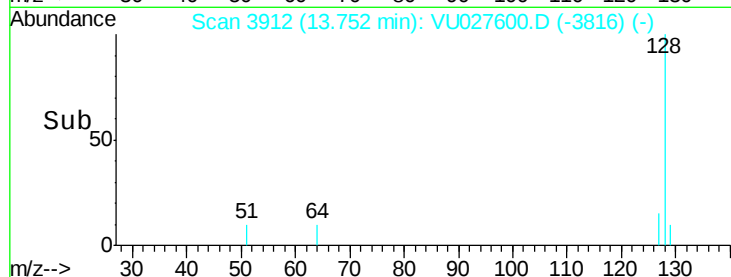
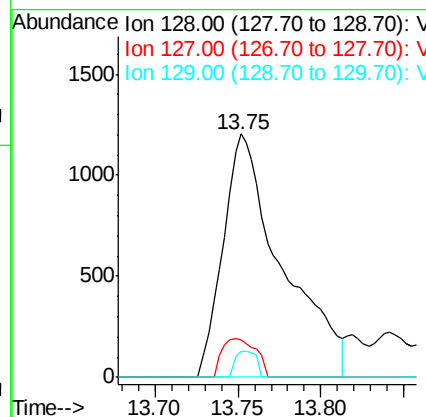
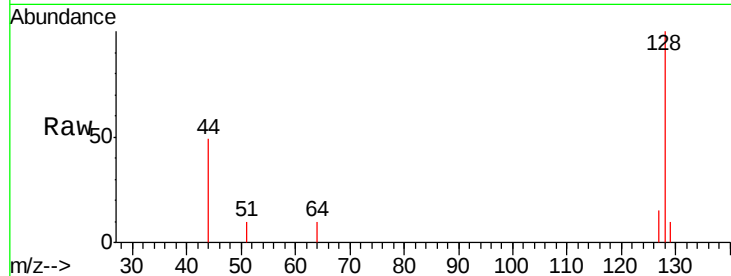
#95
Naphthalene
Concen: 1.80 ug/l
RT: 13.75 min Scan# 3912
Delta R.T. 0.01 min
Lab File: VU027600.D
Acq: 11 Oct 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	2961		
127	9.1	10.5	15.7#	
129	3.9	8.6	12.8#	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 0.69 ug/l
RT: 14.00 min Scan# 3988
Delta R.T. 0.01 min
Lab File: VU027600.D
Acq: 11 Oct 2018 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	1035		
182	89.7	47.4	142.2	
145	6.7	15.9	47.7#	

