

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
 Data File : VU028337.D
 Acq On : 26 Nov 2018 14:33
 Operator : MD/SY
 Sample : J5164-07 0.25ppb
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 2:33:41 PM

Quant Time: Nov 27 01:42:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	48887	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	16921	0.94	ug/l	0.00	
Spiked Amount	1.000		Recovery	=	94.00%		
68) 1,2-Dichlorobenzene-d4	11.86	152	15511	0.93	ug/l	0.00	MMDadoda
Spiked Amount	1.000		Recovery	=	93.00%		

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue	
2) Dichlorodifluoromethane	1.21	85	4513	0.257	ug/l	100	
3) Chloromethane	1.32	50	8647	0.289	ug/l #	88	11/30/2018 2:33:41 PM
4) Vinyl Chloride	1.40	62	5768	0.282	ug/l	95	
5) Bromomethane	1.63	94	2954	0.366	ug/l #	72	
6) Chloroethane	1.70	64	4047	0.338	ug/l #	81	
7) Trichlorofluoromethane	1.89	101	6145	0.275	ug/l	91	
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3596	0.279	ug/l	91	
9) 1,1-Dichloroethene	2.29	96	3364	0.283	ug/l	98	
10) Iodomethane	2.42	142	2107	0.262	ug/l	100	
11) Allyl Chloride	2.59	41	8096	0.269	ug/l	94	
12) Acrylonitrile	2.95	53	2463	0.650	ug/l #	92	
13) Acetone	2.33	43	6317	1.798	ug/l #	88	
14) Carbon Disulfide	2.48	76	14368	0.318	ug/l	98	
15) Methylene Chloride	2.70	84	5210	0.359	ug/l	97	
16) trans-1,2-Dichloroethene	2.98	96	4379	0.329	ug/l #	88	
17) 1,1-Dichloroethane	3.45	63	8809m	0.297	ug/l		
18) 2-Butanone	4.29	43	6976	1.329	ug/l	96	
19) Cyclohexane	5.00	56	7951m	0.308	ug/l		
20) Methylcyclohexane	6.41	83	6384	0.253	ug/l	87	
21) 2,2-Dichloropropane	4.23	77	7074	0.297	ug/l #	90	
22) cis-1,2-Dichloroethene	4.23	96	4507	0.289	ug/l	96	
23) Diethyl Ether	2.11	59	3441	0.288	ug/l #	85	
24) tert-Butyl Alcohol	2.86	59	3905m	3.261	ug/l		
25) Methyl tert-Butyl Ether	3.01	73	10105	0.286	ug/l #	89	
26) Bromochloromethane	4.55	128	1392	0.234	ug/l #	70	
27) Chloroform	4.67	83	11318	0.395	ug/l	98	
28) 1,1,1-Trichloroethane	4.91	97	6144	0.275	ug/l #	74	
29) 1,1-Dichloropropene	5.13	75	6071	0.283	ug/l	99	
30) Carbon Tetrachloride	5.13	117	4435	0.246	ug/l	85	
31) Isopropyl Ether	3.58	45	14289	0.269	ug/l	97	
32) Ethyl-t-butyl ether	4.07	59	12120	0.277	ug/l	98	
33) Tert-Amyl methyl ether	5.58	73	9776	0.269	ug/l #	63	
34) Propionitrile	4.37	54	1516m	1.149	ug/l		
35) Benzene	5.39	78	18008	0.285	ug/l	97	
36) 1,2-Dichloroethane	5.40	62	5383	0.285	ug/l #	92	
37) Trichloroethene	6.19	130	4362	0.317	ug/l	87	
38) 1,2-Dichloropropane	6.43	63	4641	0.258	ug/l #	88	
39) Methacrylonitrile	4.56	41	1852m	0.262	ug/l		
40) Methyl acrylate	4.44	55	2135	0.220	ug/l #	79	
41) Tetrahydrofuran	4.67	42	1965	0.553	ug/l #	79	
42) 1-Chlorobutane	5.07	56	8931	0.262	ug/l	91	

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 MSVOA_U
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 LOD-MDL-WATER-01-QT4-2018

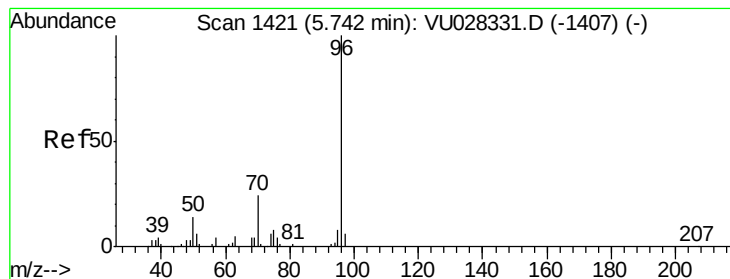
Manual Integrations
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Quant Time: Nov 27 01:42:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.57	93	2190	0.286	ug/l	98
44) Bromodichloromethane	6.76	83	6097	0.301	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	16670	1.354	ug/l	94
46) t-1,4-Dichloro-2-butene	10.52	75	2162m	0.480	ug/l	
47) Methyl methacrylate	6.63	69	3854	0.492	ug/l #	97
48) Ethyl methacrylate	8.03	69	3553	0.227	ug/l	91
49) Toluene	7.64	92	9049	0.258	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	4880	0.251	ug/l	92
51) cis-1,3-Dichloropropene	7.27	75	6202	0.258	ug/l	96
52) 1,1,2-Trichloroethane	8.07	97	2544	0.236	ug/l	92
53) 1,3-Dichloropropane	8.24	76	5244	0.261	ug/l	96
54) 2-Hexanone	8.37	43	11772	1.329	ug/l	96
55) Dibromochloromethane	8.48	129	2977	0.260	ug/l	93
56) 1,2-Dibromoethane	8.59	107	2515	0.256	ug/l	99
58) Tetrachloroethene	8.23	164	3891	0.309	ug/l	99
59) Chlorobenzene	9.12	112	9758	0.267	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	3071	0.248	ug/l	93
61) Pentachloroethane	11.10	117	2853	0.296	ug/l	83
62) Hexachloroethane	12.15	117	2243	0.249	ug/l	86
63) Ethyl Benzene	9.25	91	18068	0.268	ug/l	99
64) m/p-Xylenes	9.38	106	12800	0.525	ug/l	95
65) o-Xylene	9.78	106	6204	0.264	ug/l	97
66) Styrene	9.79	104	10422	0.258	ug/l	98
67) Bromoform	9.96	173	1603	0.250	ug/l #	91
69) Isopropylbenzene	10.17	105	15982	0.254	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	3619	0.251	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	2947m	0.293	ug/l	
72) Bromobenzene	10.45	156	3436	0.246	ug/l	83
73) n-propylbenzene	10.59	120	3958	0.242	ug/l	87
74) 2-Chlorotoluene	10.66	126	3765	0.263	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	12938	0.244	ug/l	93
76) 4-Chlorotoluene	10.77	126	4049	0.279	ug/l	91
77) tert-Butylbenzene	11.10	119	12841	0.257	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	13183	0.243	ug/l	97
79) sec-Butylbenzene	11.32	105	17792	0.256	ug/l	100
80) Nitrobenzene	12.87	77	873	1.342	ug/l #	64
81) p-Isopropyltoluene	11.48	119	13813	0.250	ug/l	95
82) 1,3-Dichlorobenzene	11.42	146	7788	0.278	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	7874	0.283	ug/l	97
84) n-Butylbenzene	11.89	91	15295	0.264	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	7423	0.279	ug/l	95
86) 1,2-Dibromo-3-Chloropropan	12.66	75	510	0.220	ug/l #	88
87) 1,2,4-Trichlorobenzene	13.50	180	6042	0.323	ug/l	88
88) Hexachlorobutadiene	13.69	225	3177	0.313	ug/l	90
89) Naphthalene	13.74	128	11480	0.310	ug/l #	93
90) 1,2,3-Trichlorobenzene	13.99	180	5041	0.285	ug/l	95

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

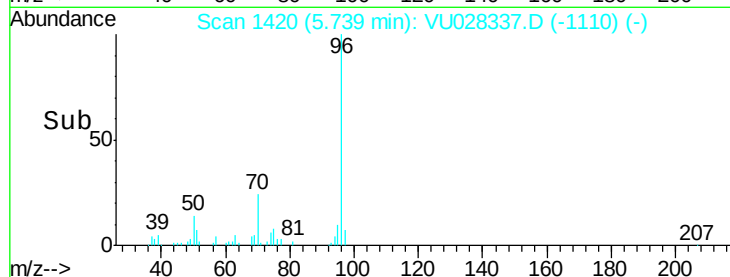
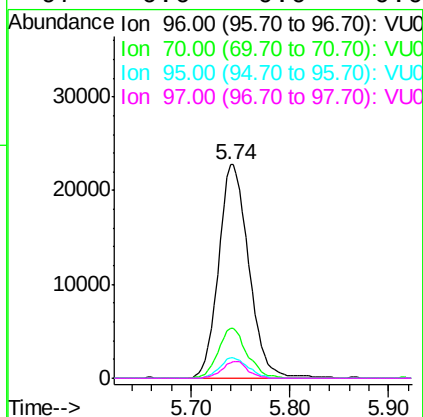
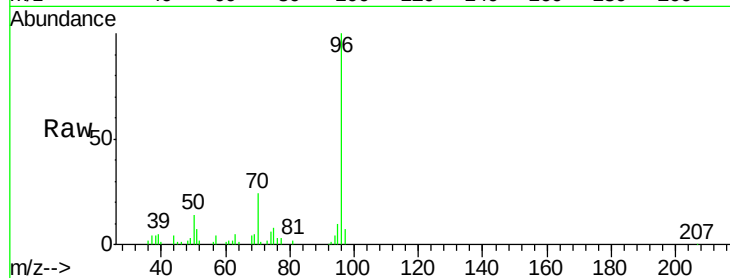
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	96	Resp:	48887
Ion	Ratio	Lower	Upper
96	100		
70	22.4	17.8	26.8
95	8.9	7.6	11.4
97	6.6	0.0	0.0#

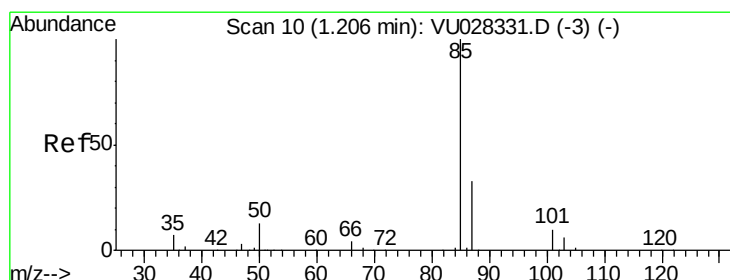
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#2

Dichlorodifluoromethane

Concen: 0.257 ug/l

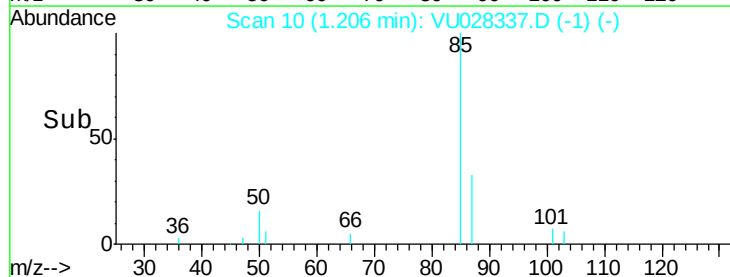
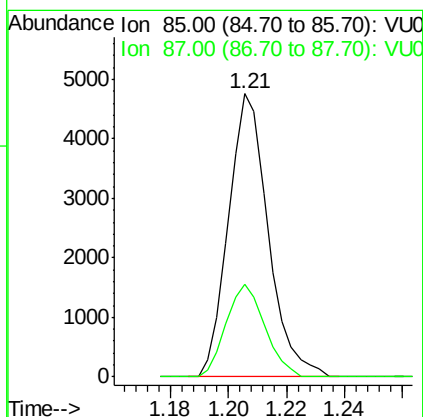
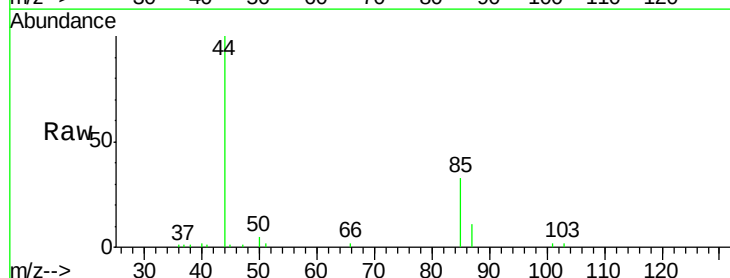
RT: 1.21 min Scan# 10

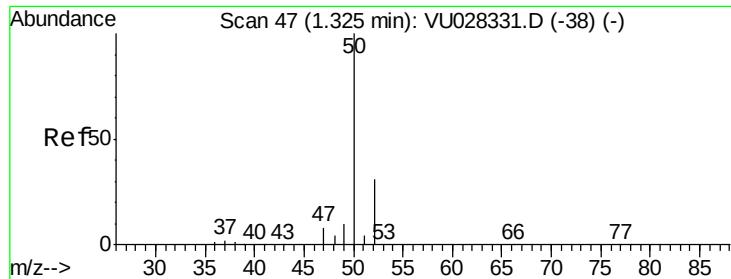
Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Tgt Ion:	85	Resp:	4513
Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.3	48.8





#3

Chloromethane

Concen: 0.289 ug/l

RT: 1.32 min Scan# 47

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 50 Resp: 8647

Ion Ratio Lower Upper

50 100

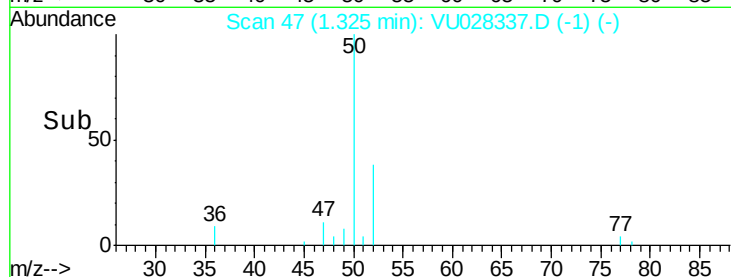
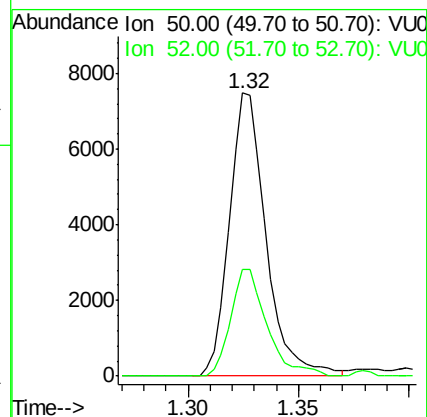
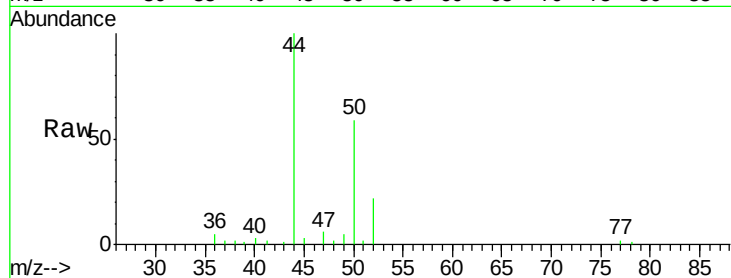
52 37.8 25.1 37.7#

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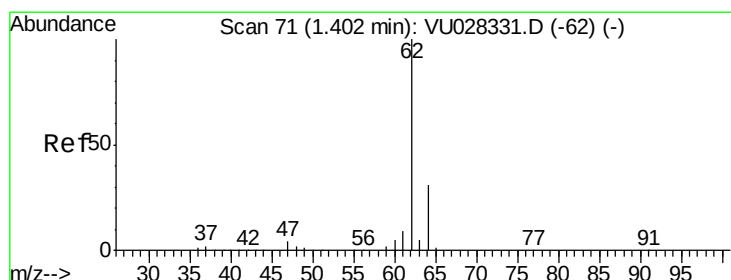
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#4

Vinyl Chloride

Concen: 0.282 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028337.D

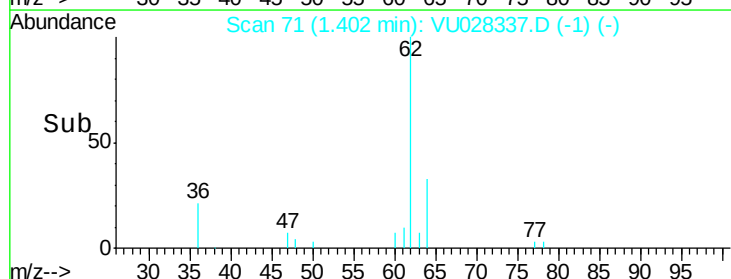
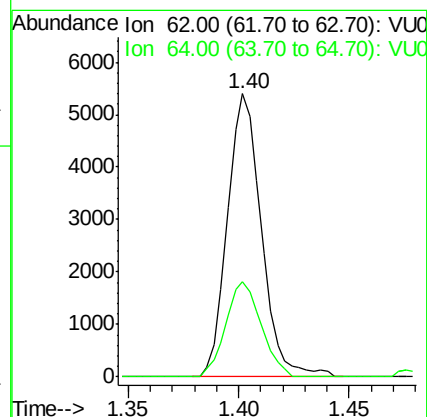
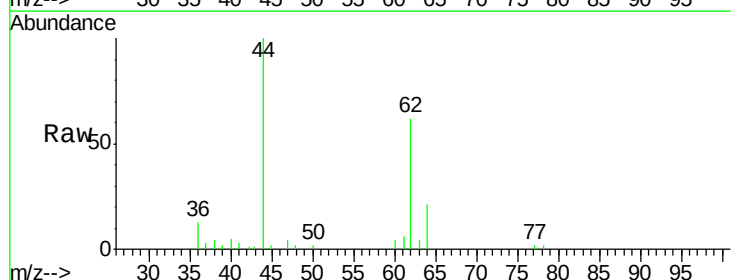
Acq: 26 Nov 2018 14:33

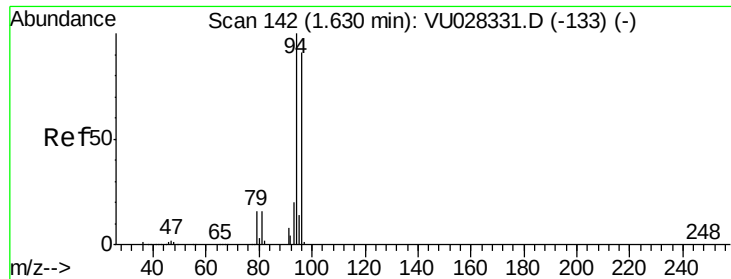
Tgt Ion: 62 Resp: 5768

Ion Ratio Lower Upper

62 100

64 33.4 24.7 37.1





#5

Bromomethane

Concen: 0.366 ug/l

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 94 Resp: 2954

Ion Ratio Lower Upper

94 100

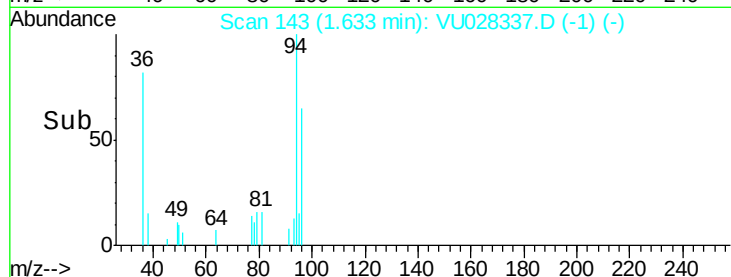
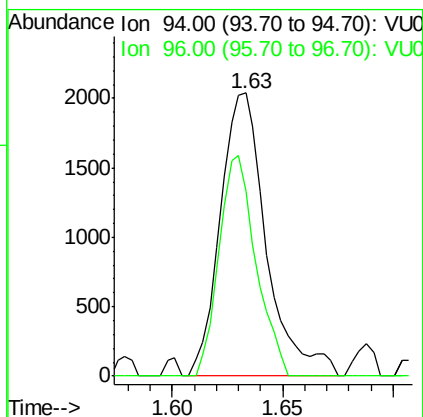
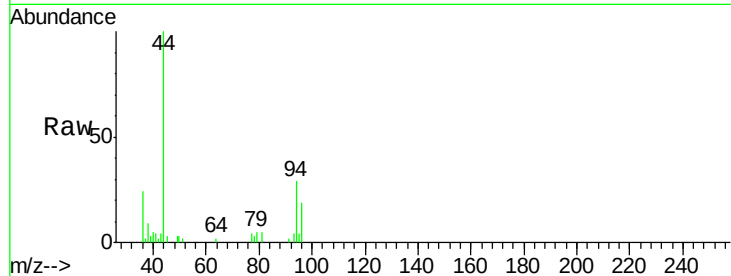
96 65.3 73.1 109.7#

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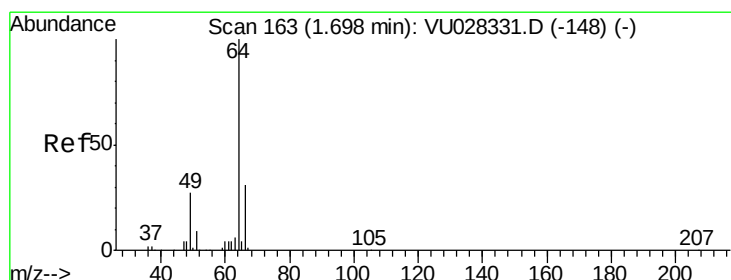
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#6

Chloroethane

Concen: 0.338 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU028337.D

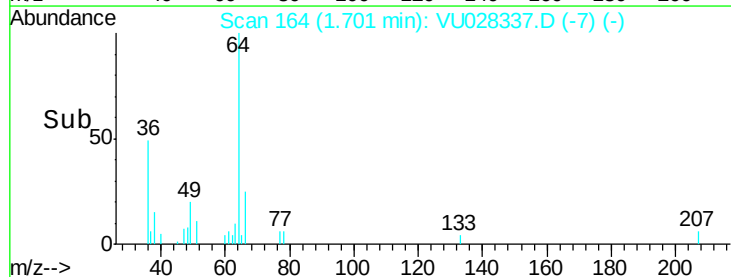
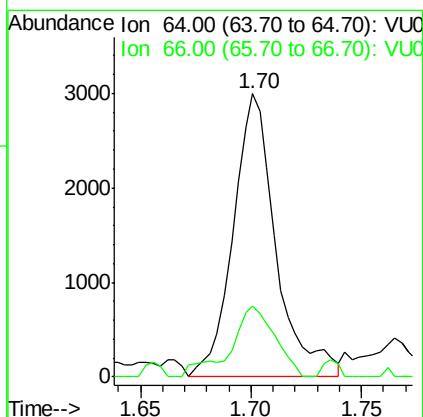
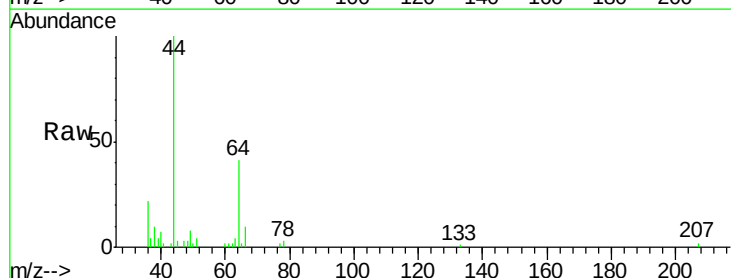
Acq: 26 Nov 2018 14:33

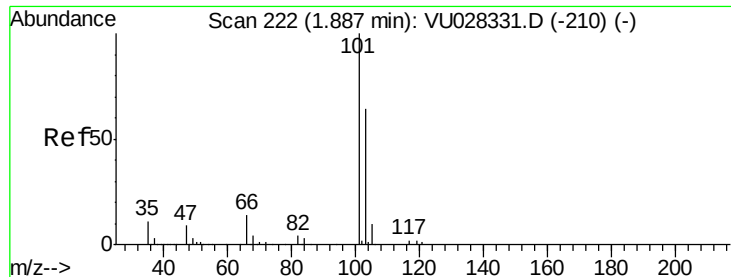
Tgt Ion: 64 Resp: 4047

Ion Ratio Lower Upper

64 100

66 20.7 25.1 37.7#





#7

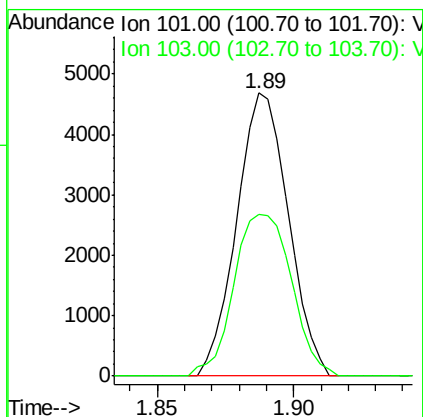
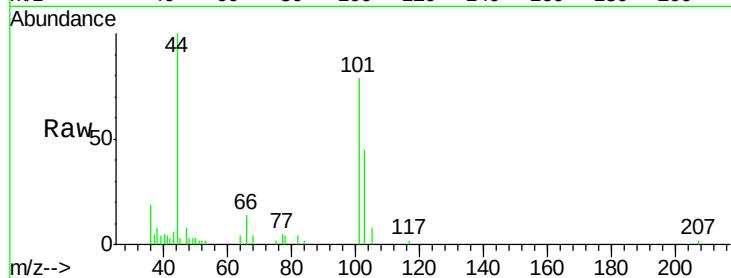
Trichlorofluoromethane
Concen: 0.275 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

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

Tgt Ion:101 Resp: 6145
Ion Ratio Lower Upper
101 100
103 57.2 51.4 77.0

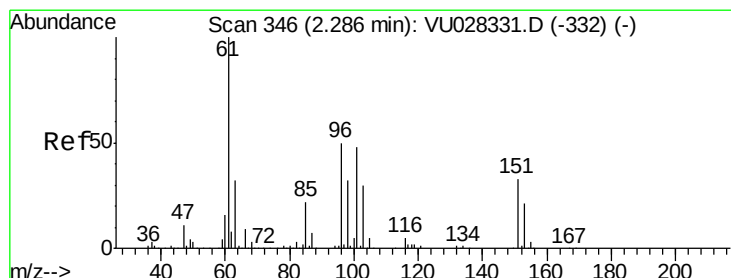
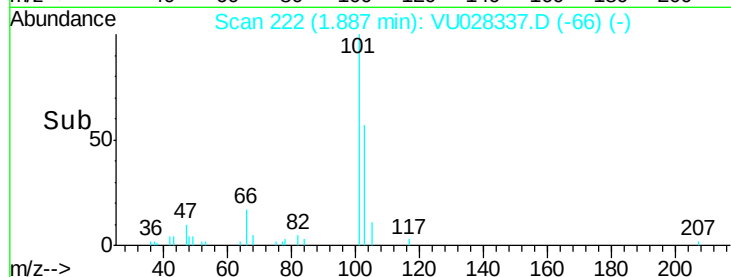
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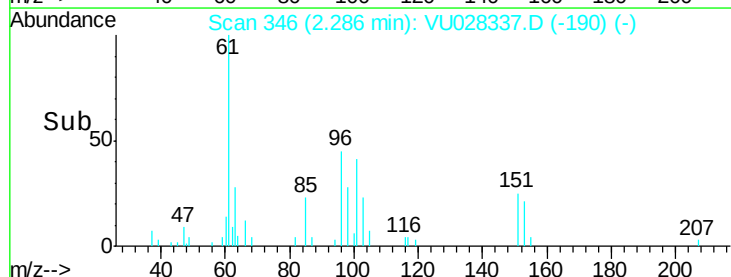
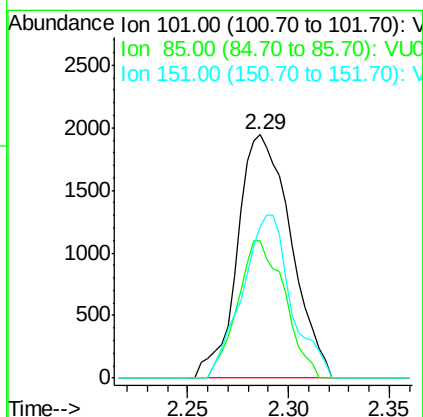
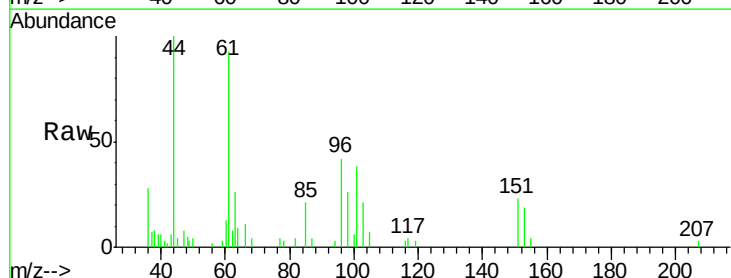
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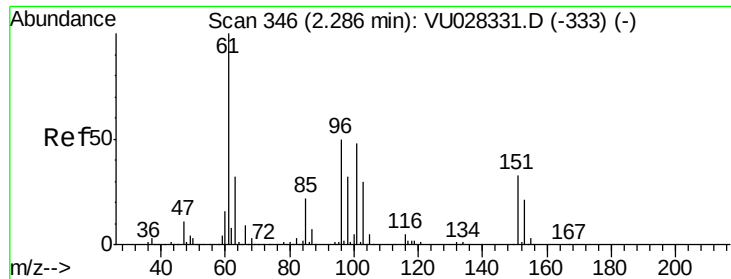


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.279 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion:101 Resp: 3596
Ion Ratio Lower Upper
101 100
85 50.1 36.7 55.1
151 60.9 55.8 83.6





#9

1,1-Dichloroethene

Concen: 0.283 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

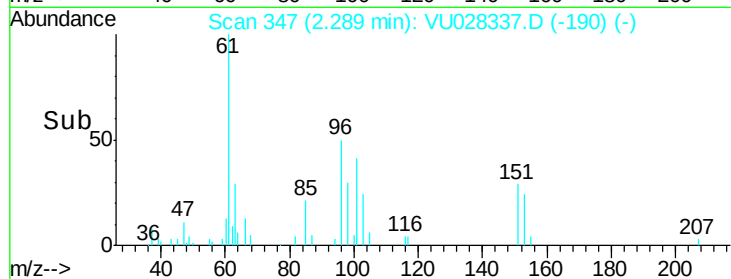
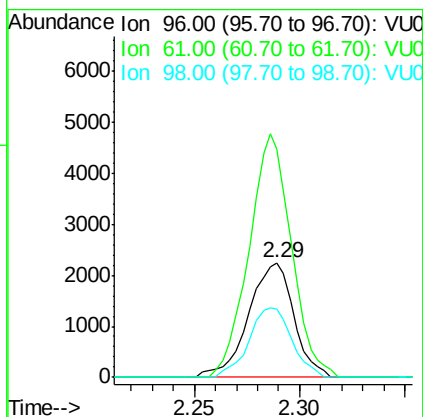
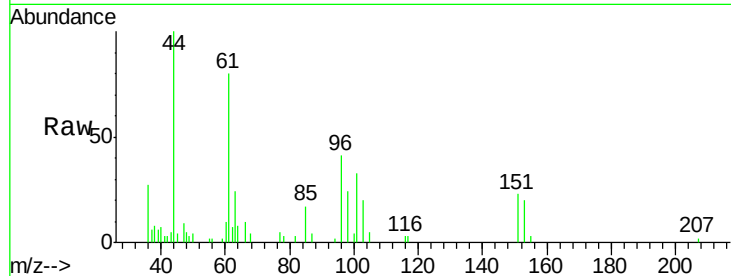
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	96	Resp:	3364
Ion	Ratio	Lower	Upper
96	100		
61	198.2	0.0	597.6
98	59.2	0.0	127.6

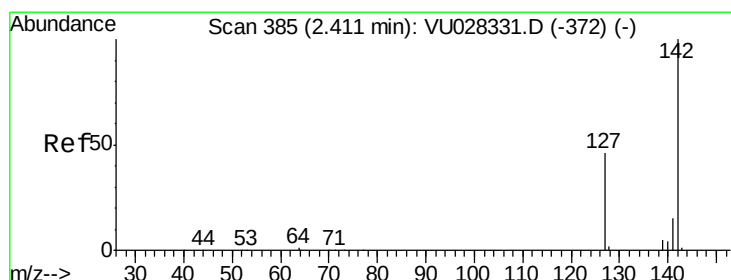
Manual Integrations
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11/30/2018 2:33:41 PM



#10

Iodomethane

Concen: 0.262 ug/l

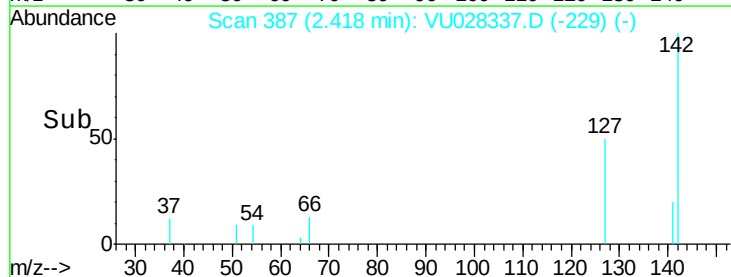
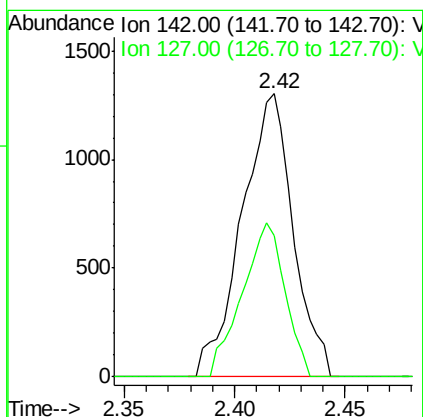
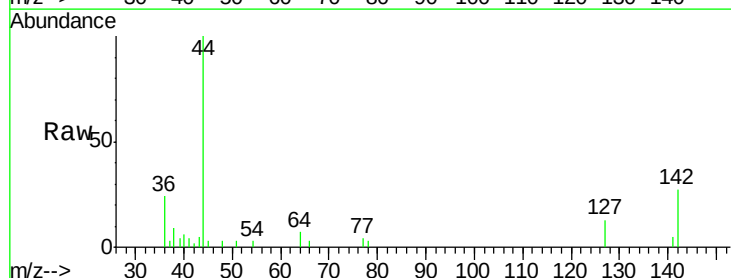
RT: 2.42 min Scan# 387

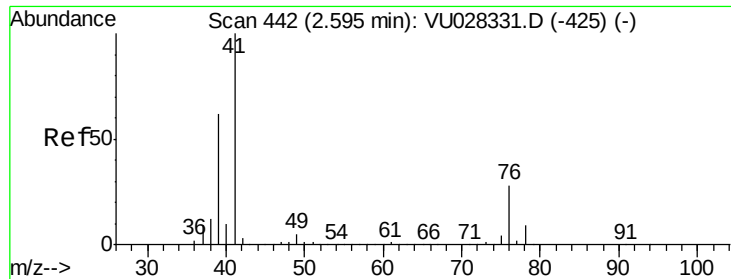
Delta R.T. 0.01 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Tgt Ion:	142	Resp:	2107
Ion	Ratio	Lower	Upper
142	100		
127	45.4	36.4	54.6





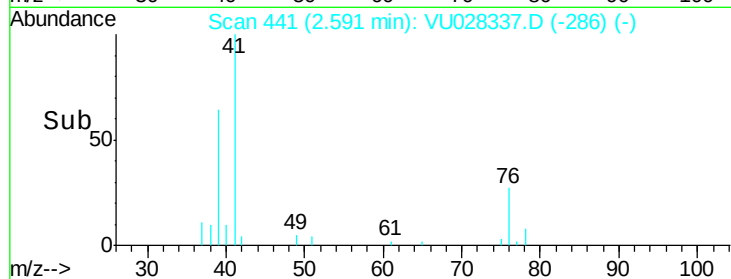
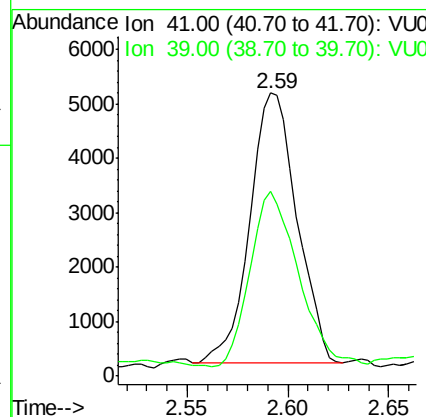
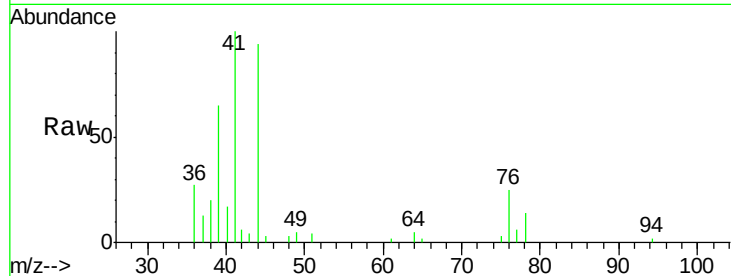
#11
 Allyl Chloride
 Concen: 0.269 ug/l
 RT: 2.59 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

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

Tgt Ion: 41 Resp: 8096
 Ion Ratio Lower Upper
 41 100
 39 68.0 50.8 76.2

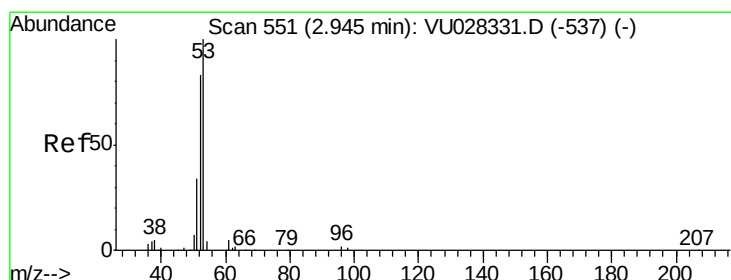
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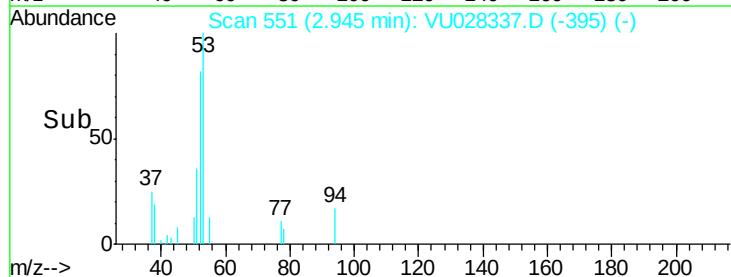
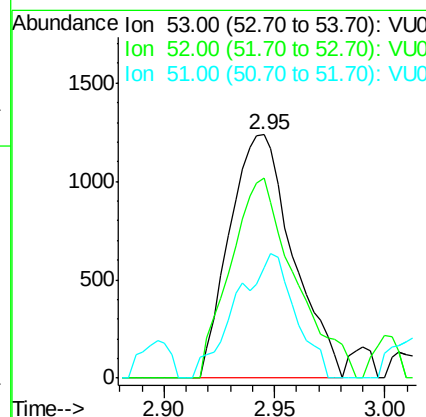
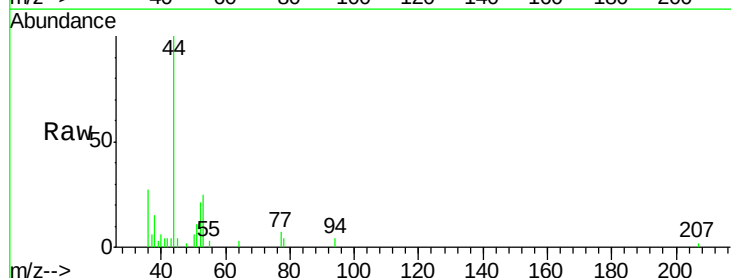
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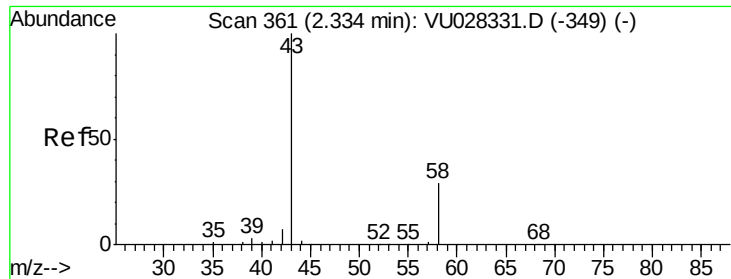
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#12
 Acrylonitrile
 Concen: 0.650 ug/l
 RT: 2.95 min Scan# 551
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion: 53 Resp: 2463
 Ion Ratio Lower Upper
 53 100
 52 84.1 69.3 103.9
 51 47.9 27.8 41.8#





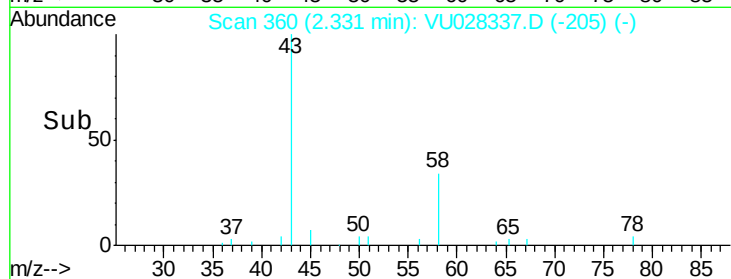
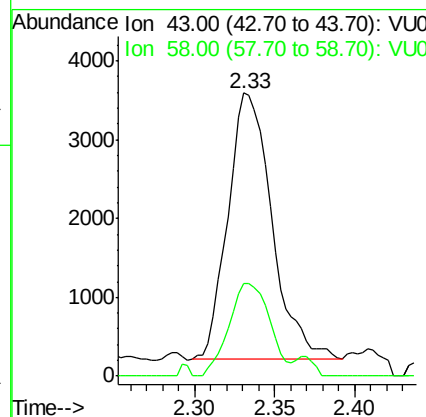
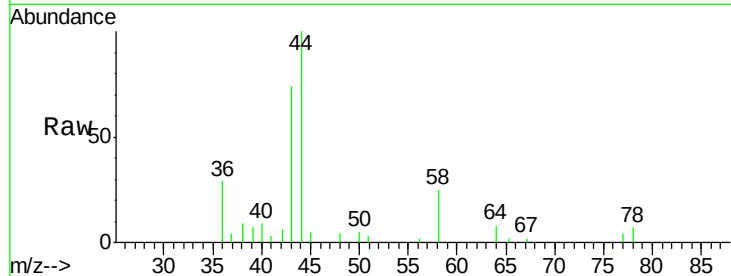
#13
Acetone
Concen: 1.798 ug/l
RT: 2.33 min Scan# 360
Delta R.T. -0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

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

Tgt Ion: 43 Resp: 6317
Ion Ratio Lower Upper
43 100
58 35.1 23.1 34.7#

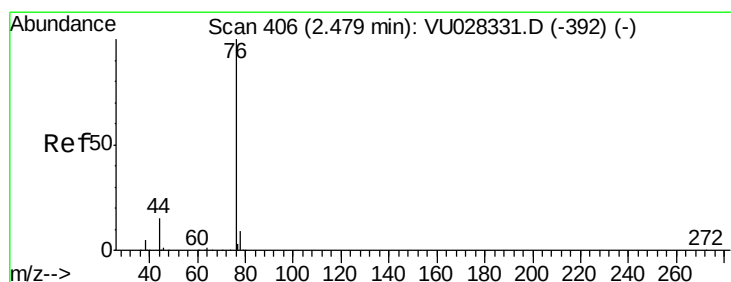
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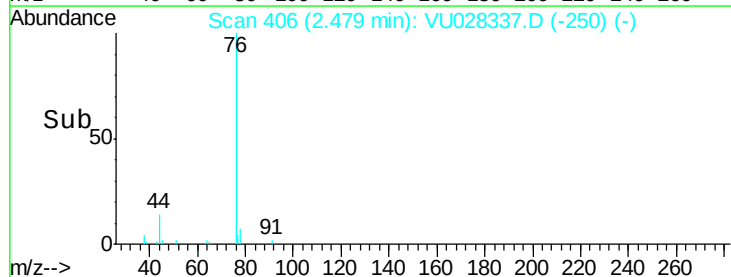
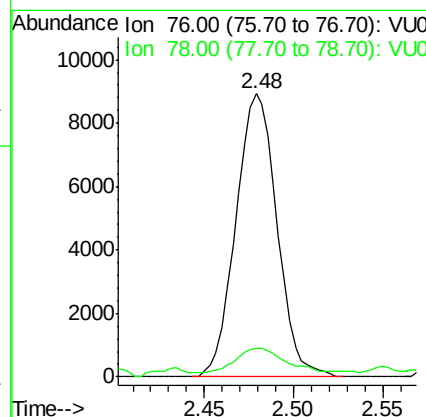
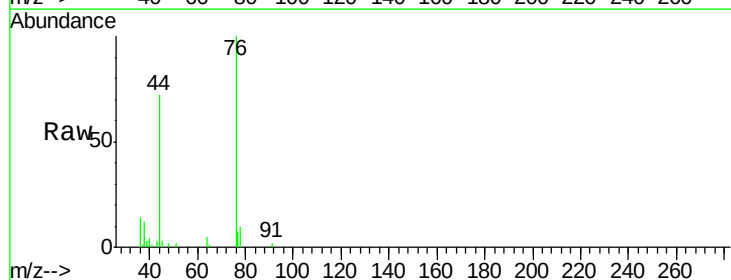
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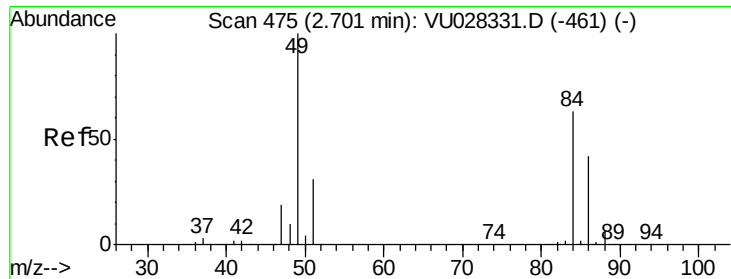
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#14
Carbon Disulfide
Concen: 0.318 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion: 76 Resp: 14368
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2





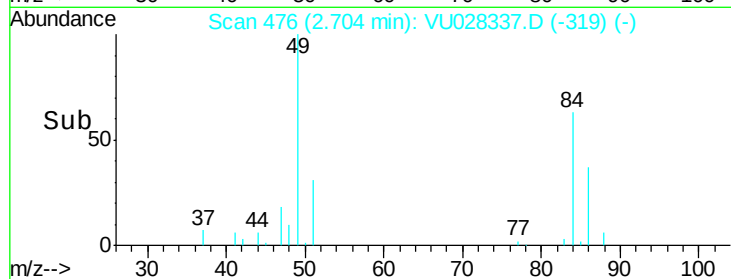
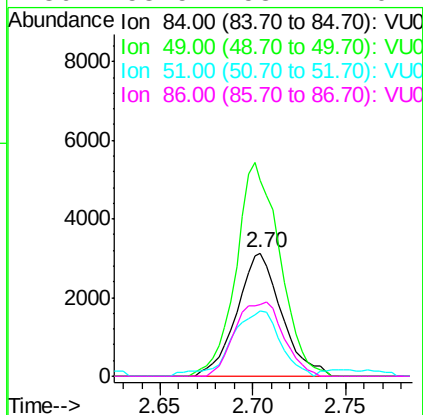
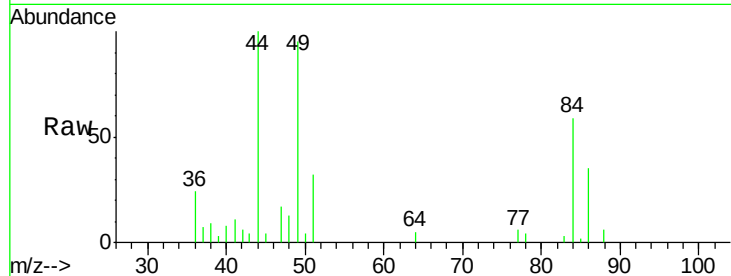
#15
Methylene Chloride
Concen: 0.359 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

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

Tgt Ion	Ratio	Lower	Upper
84	100		
49	159.4	127.7	191.5
51	49.5	0.0	98.2
86	58.5	53.1	79.7

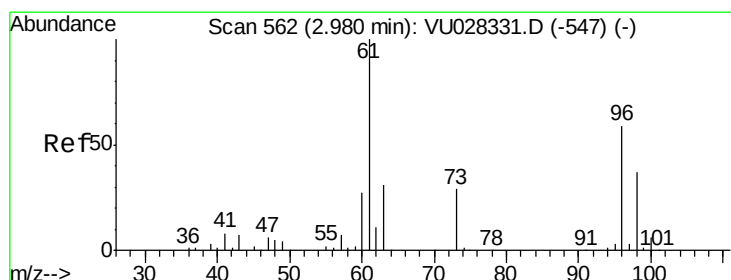
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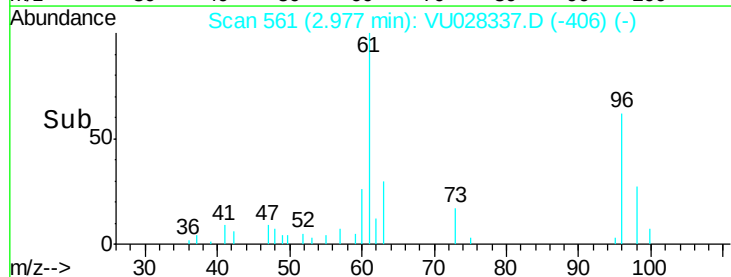
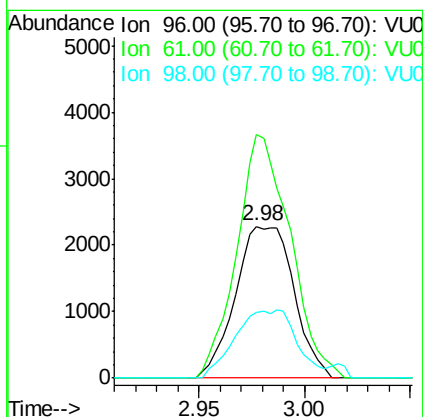
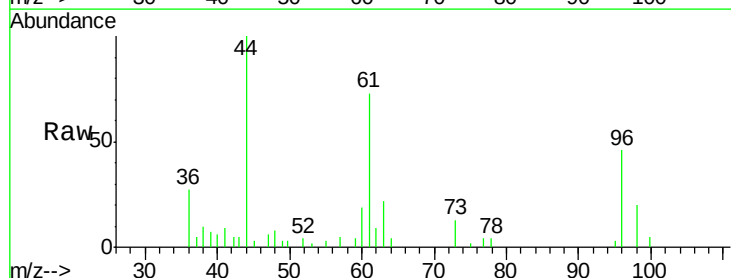
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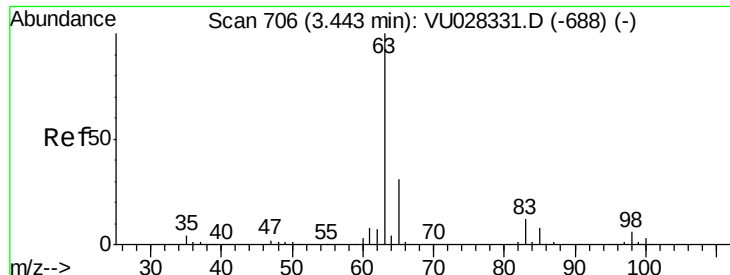
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#16
trans-1,2-Dichloroethene
Concen: 0.329 ug/l
RT: 2.98 min Scan# 561
Delta R.T. -0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.4	136.4	204.6
98	43.4	49.8	74.8#





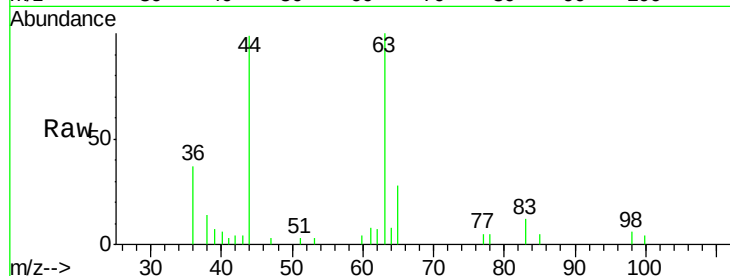
#17
 1,1-Dichloroethane
 Concen: 0.297 ug/l m
 RT: 3.45 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

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

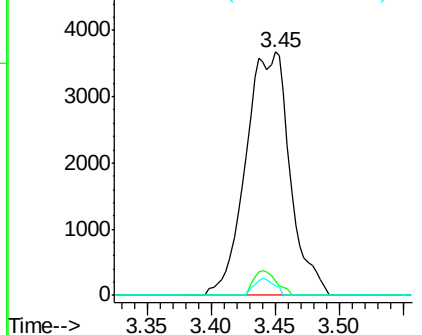
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	8809		
98	5.8		3.0	9.0
100	3.7		1.8	5.3

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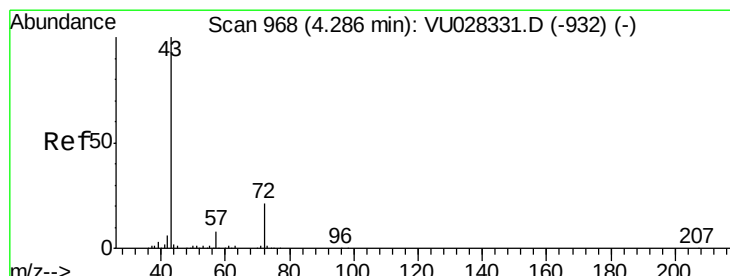
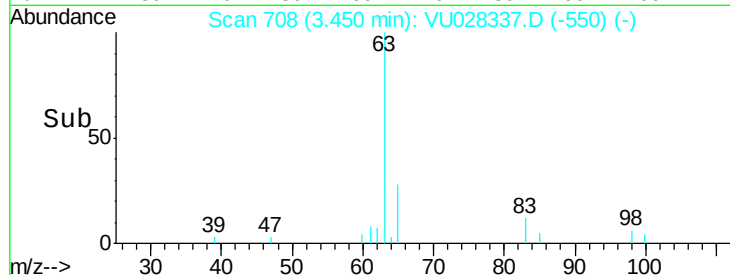


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0



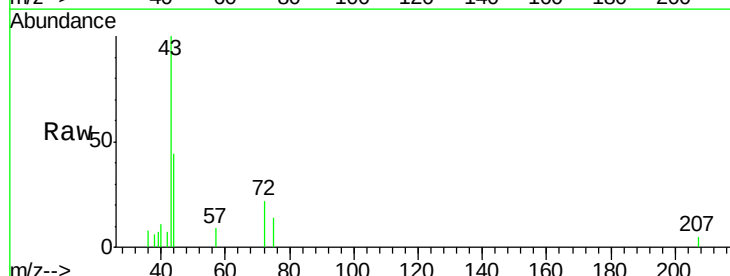
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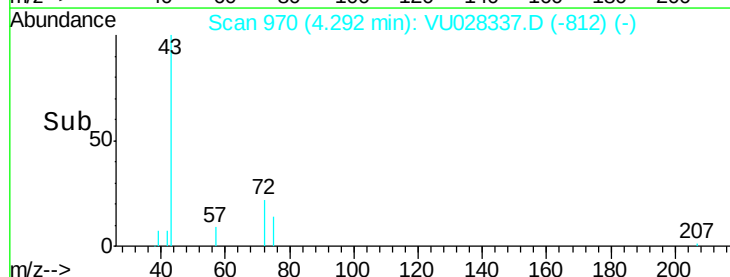
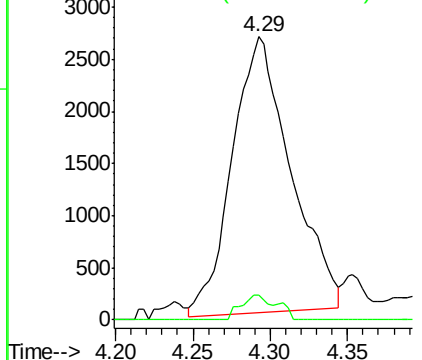


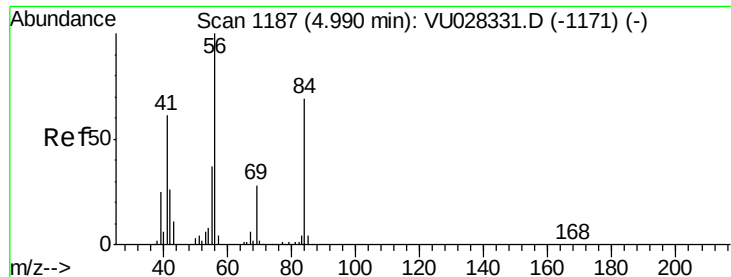
#18
 2-Butanone
 Concen: 1.329 ug/l
 RT: 4.29 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	6976		
57	9.0		0.0	15.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





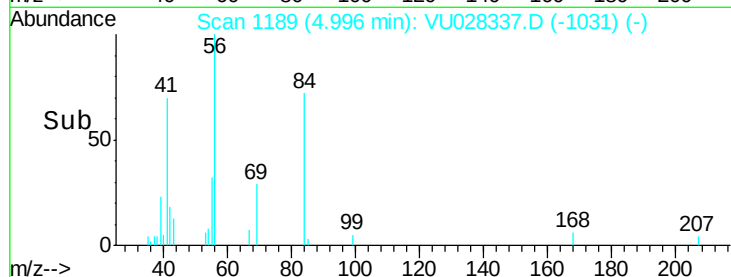
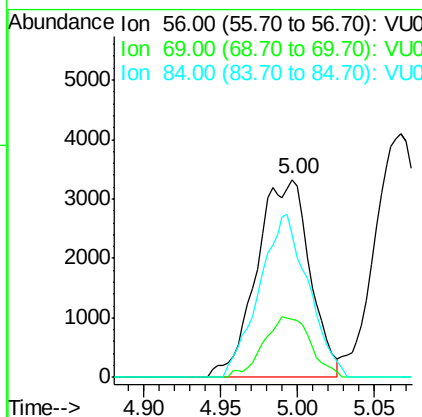
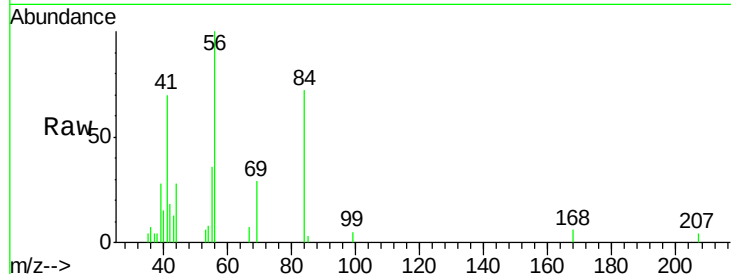
#19
Cyclohexane
Concen: 0.308 ug/l m
RT: 5.00 min Scan# 1189
Delta R.T. 0.01 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

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

Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.2	25.0	37.6
84	76.3	62.6	94.0

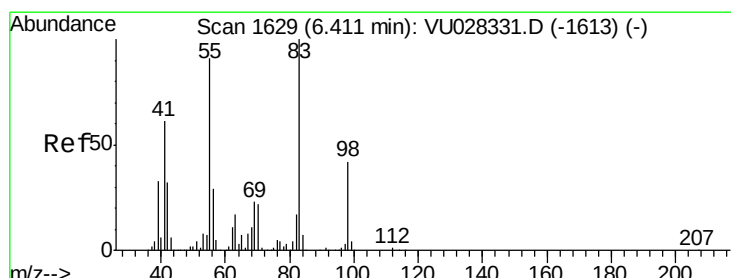
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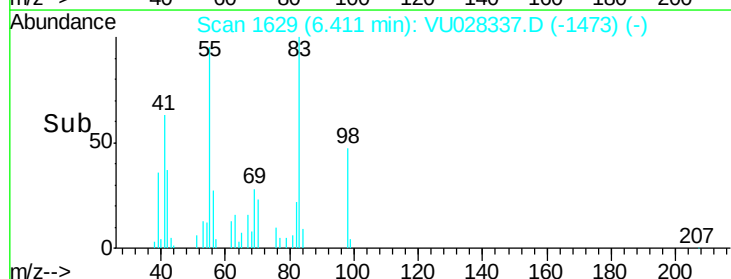
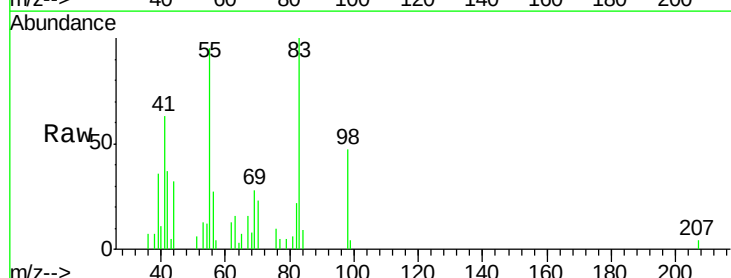
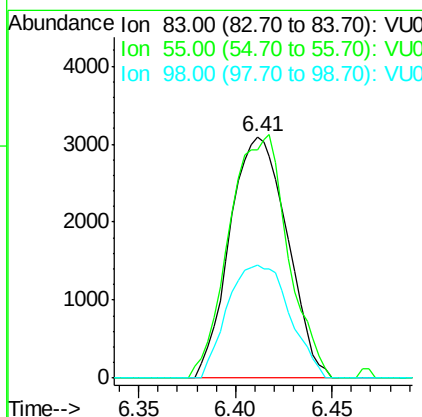
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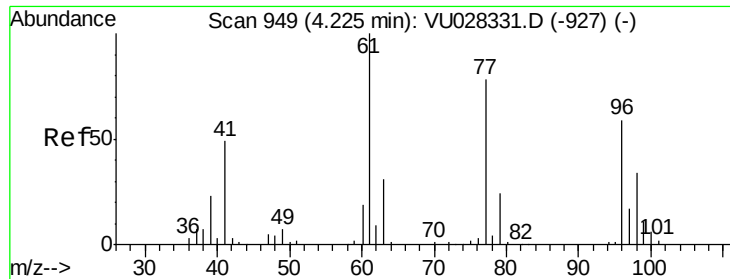
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#20
Methylcyclohexane
Concen: 0.253 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
83	100		
55	103.0	72.6	108.8
98	50.5	33.8	50.8





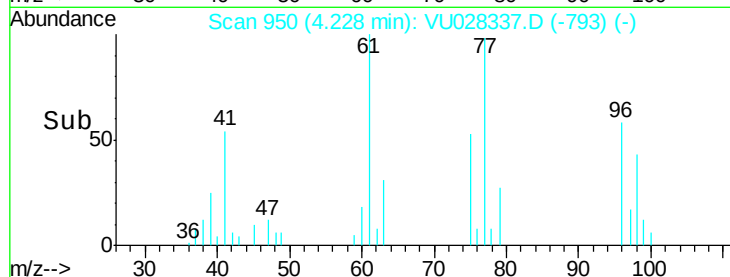
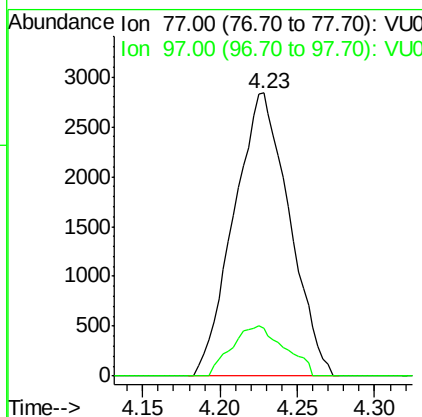
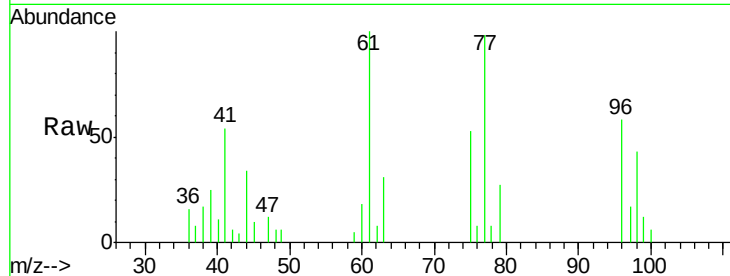
#21
 2,2-Dichloropropane
 Concen: 0.297 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

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

Tgt Ion: 77 Resp: 7074
 Ion Ratio Lower Upper
 77 100
 97 17.0 17.4 26.2#

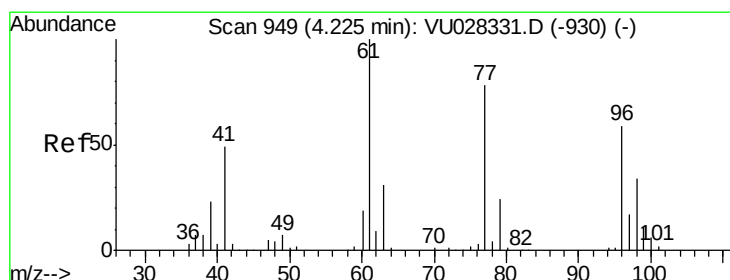
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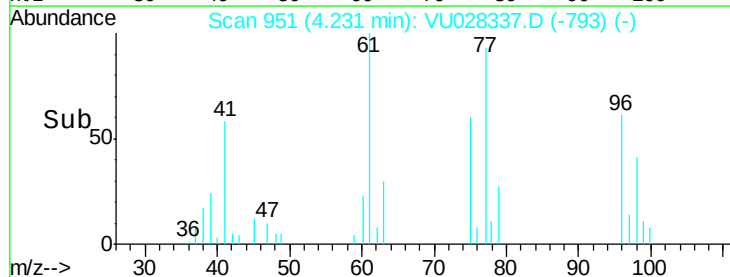
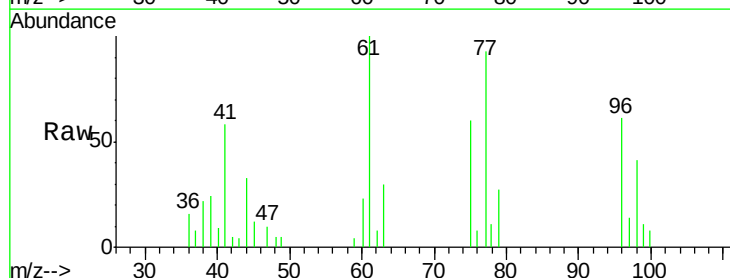
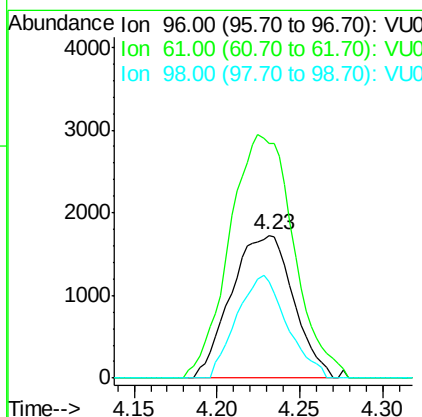
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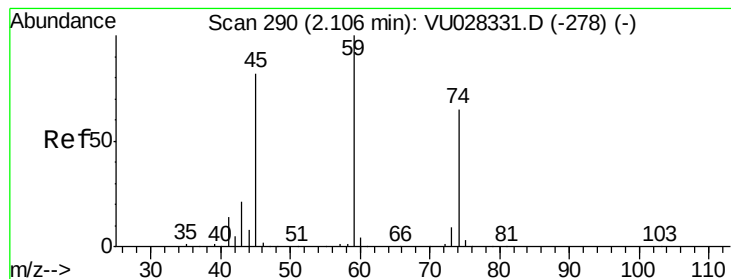
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#22
 cis-1,2-Dichloroethene
 Concen: 0.289 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.01 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion: 96 Resp: 4507
 Ion Ratio Lower Upper
 96 100
 61 175.5 0.0 423.0
 98 58.1 30.3 91.0





#23

Diethyl Ether

Concen: 0.288 ug/l

RT: 2.11 min Scan# 290

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

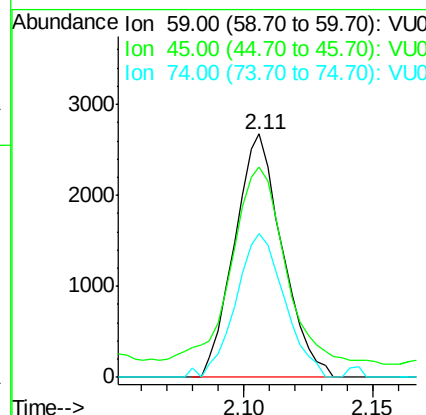
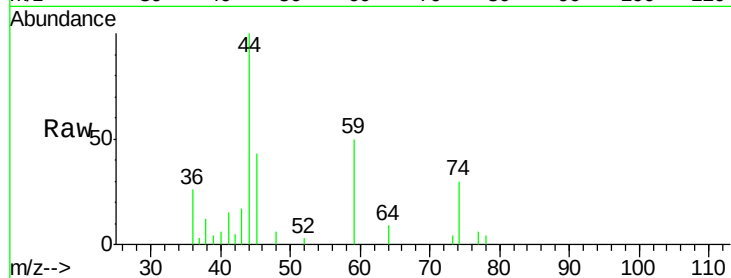
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
59	100		
45	102.6	66.4	99.6#
74	60.2	52.2	78.4

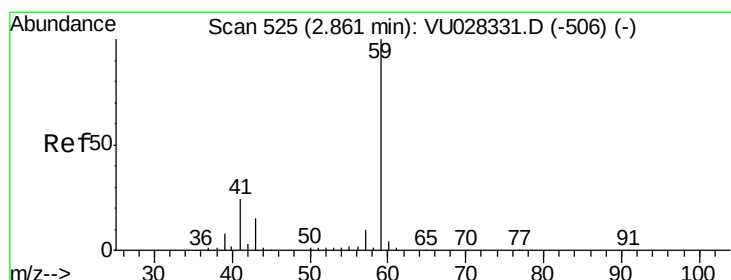
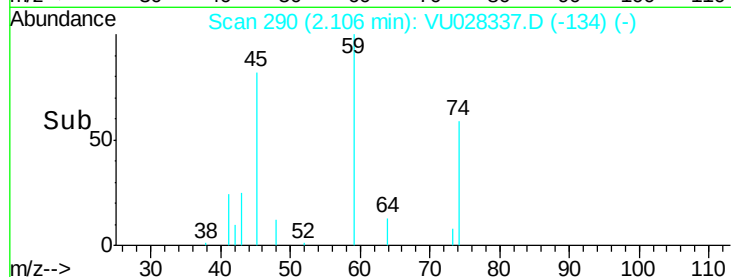
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#24

tert-Butyl Alcohol

Concen: 3.261 ug/l m

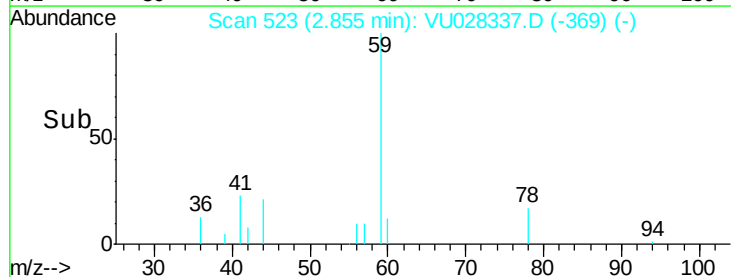
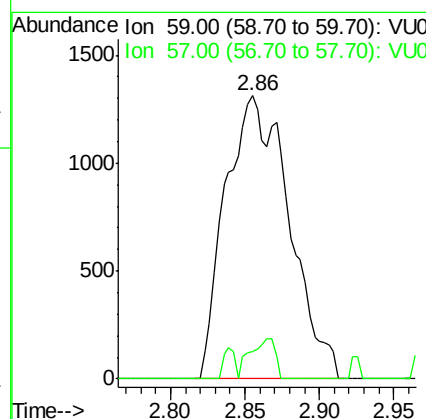
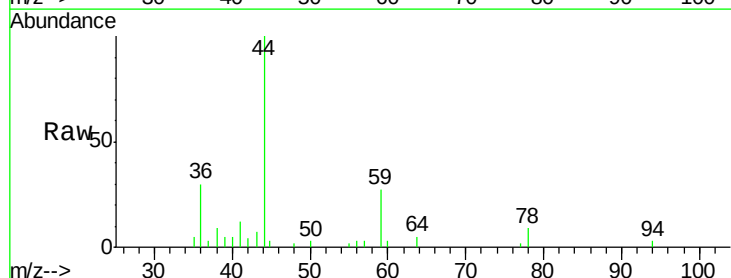
RT: 2.86 min Scan# 523

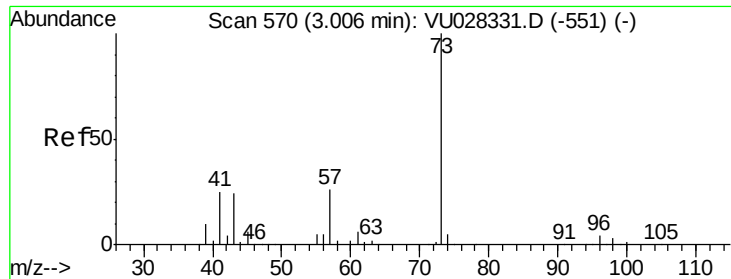
Delta R.T. -0.01 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
59	100		
57	5.6	8.2	12.4#





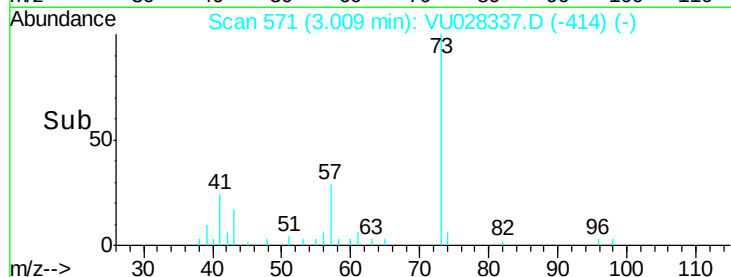
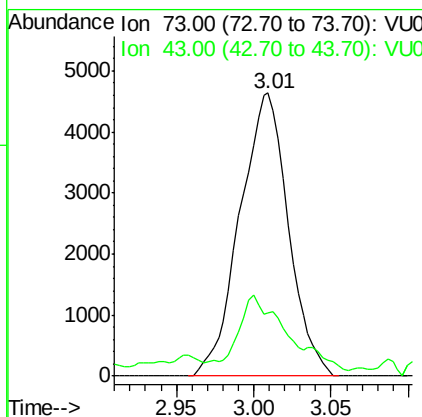
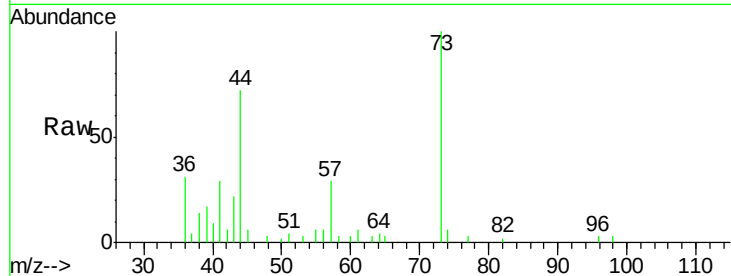
#25
Methyl tert-Butyl Ether
Concen: 0.286 ug/l
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

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

Tgt Ion: 73 Resp: 10105
Ion Ratio Lower Upper
73 100
43 17.7 18.5 27.7#

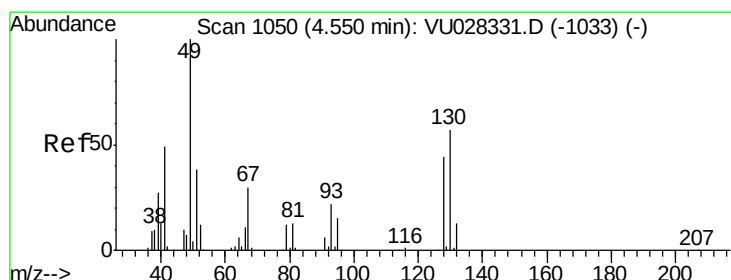
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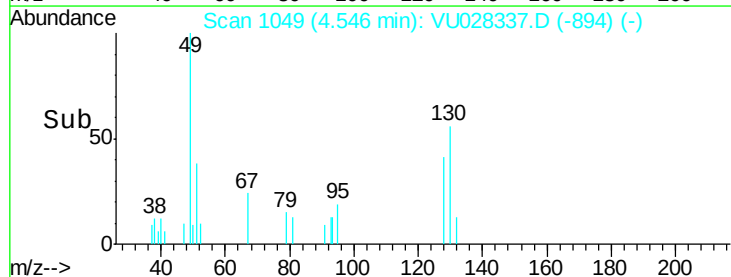
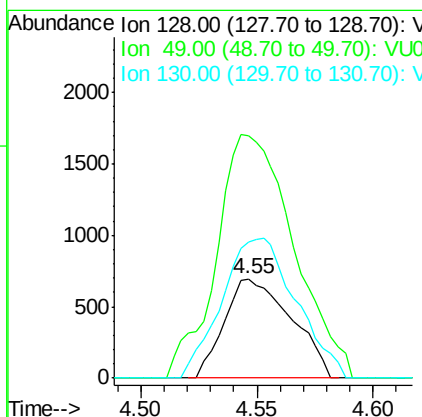
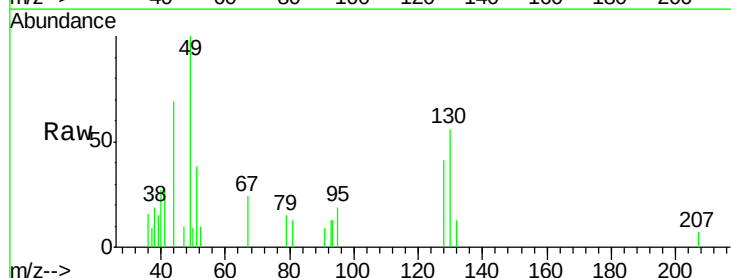
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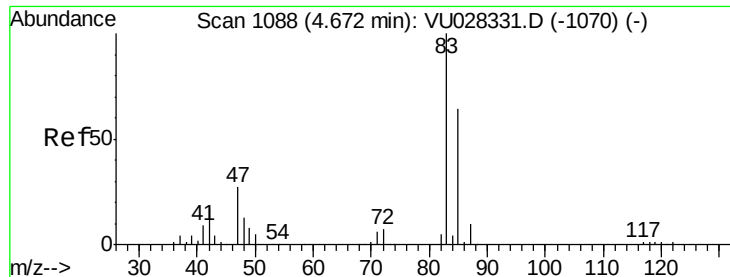
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#26
Bromochloromethane
Concen: 0.234 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion: 128 Resp: 1392
Ion Ratio Lower Upper
128 100
49 283.5 0.0 457.6
130 155.7 101.4 152.2#





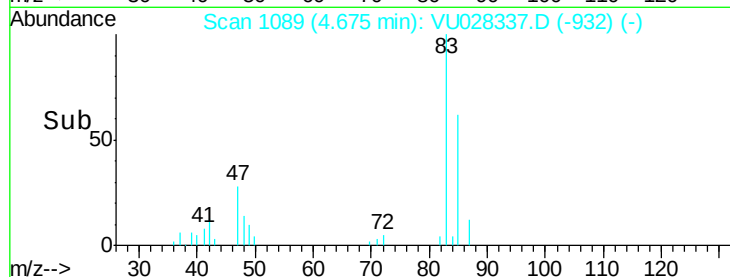
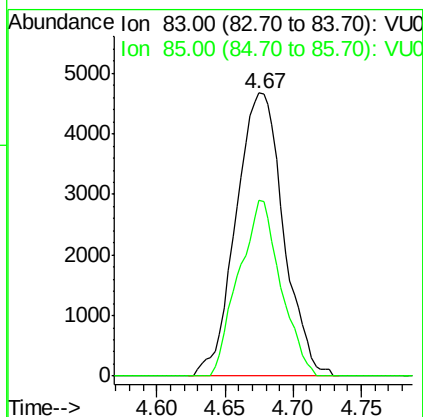
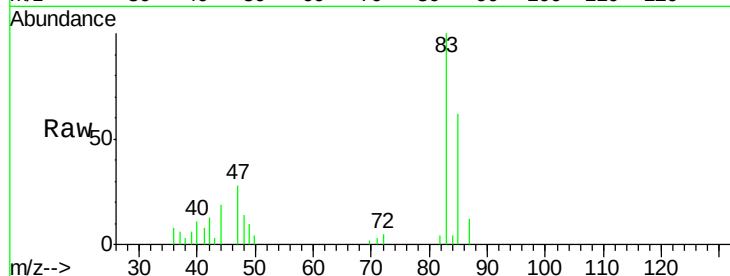
#27
Chloroform
Concen: 0.395 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

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

Tgt Ion: 83 Resp: 11318
Ion Ratio Lower Upper
83 100
85 62.1 0.0 128.0

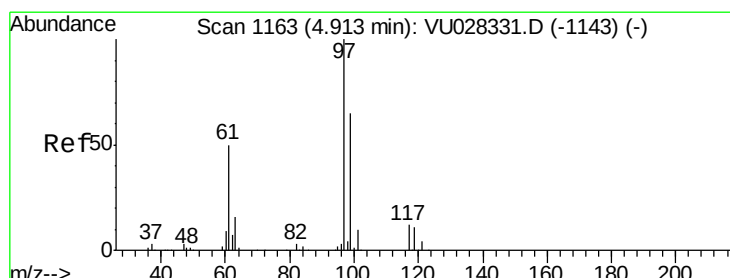
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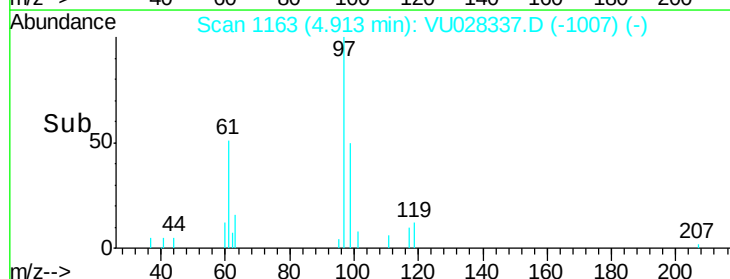
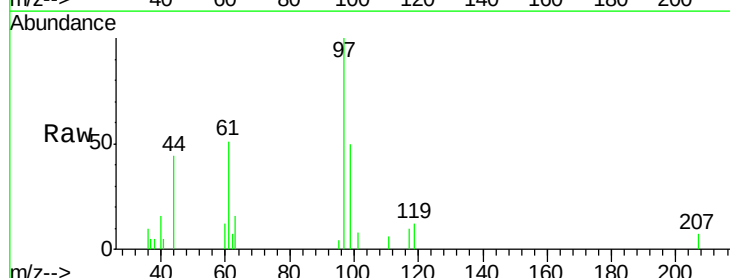
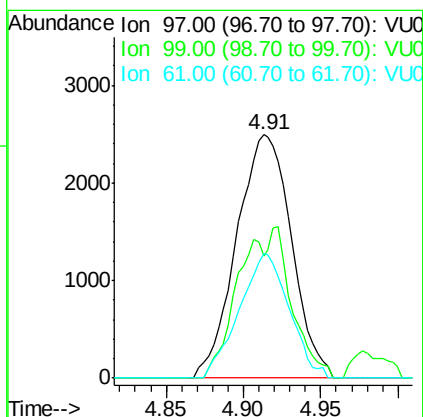
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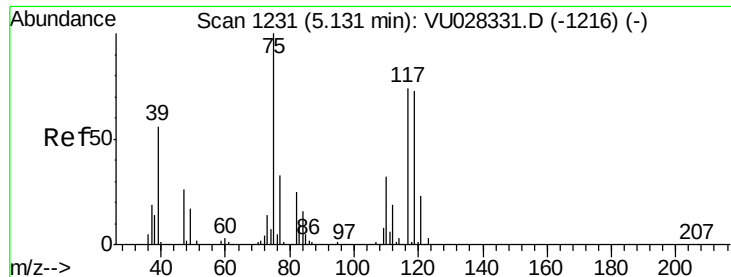
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#28
1,1,1-Trichloroethane
Concen: 0.275 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion: 97 Resp: 6144
Ion Ratio Lower Upper
97 100
99 31.0 32.2 96.6#
61 46.7 24.9 74.7





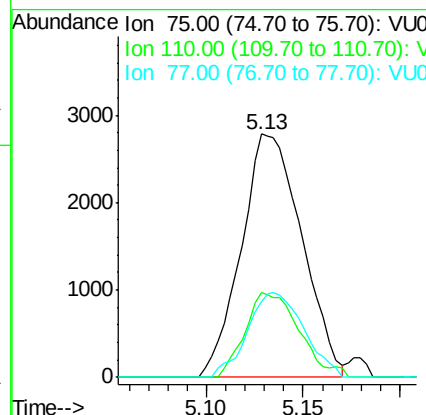
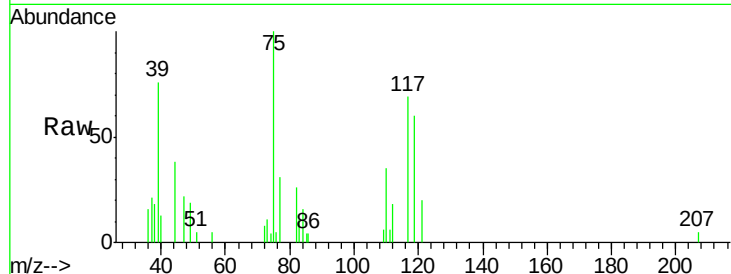
#29
 1,1-Dichloropropene
 Concen: 0.283 ug/l
 RT: 5.13 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

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

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.1	15.8	47.3
77	32.4	25.4	38.0

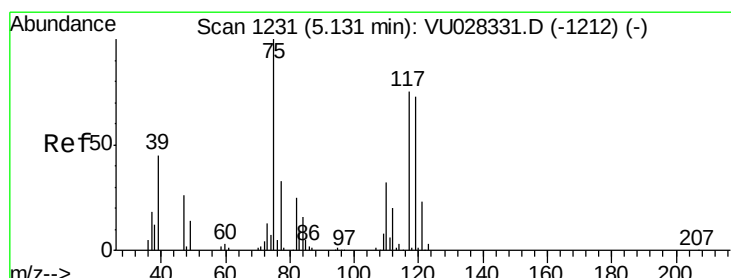
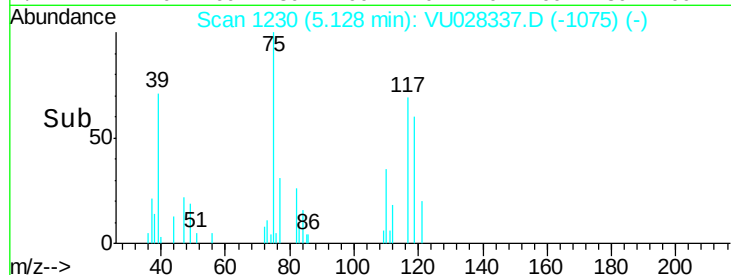
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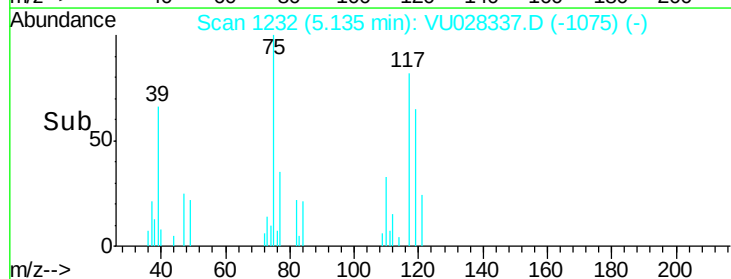
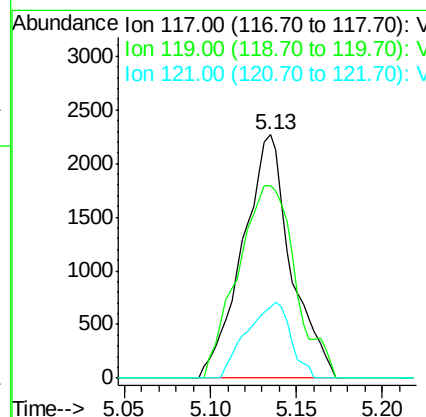
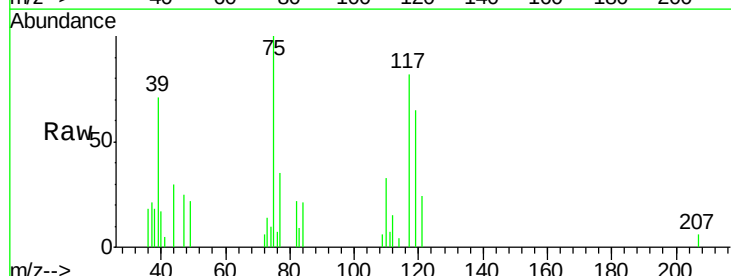
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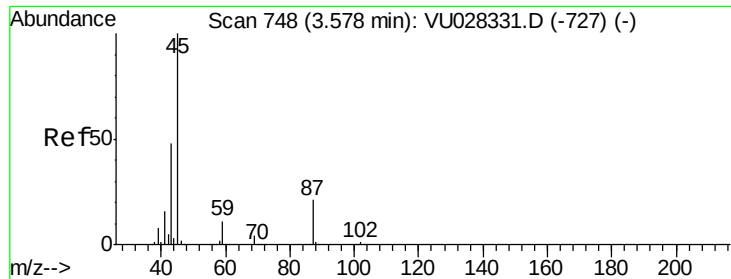
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#30
 Carbon Tetrachloride
 Concen: 0.246 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	79.1	78.2	117.4
121	29.0	24.7	37.1





#31

Isopropyl Ether

Concen: 0.269 ug/l

RT: 3.58 min Scan# 748

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 45 Resp: 14289

Ion Ratio Lower Upper

45 100

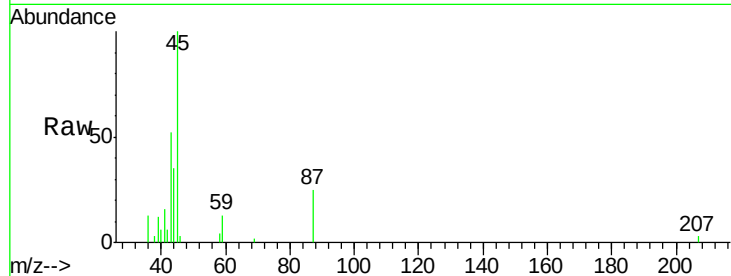
43 50.3 24.2 72.6

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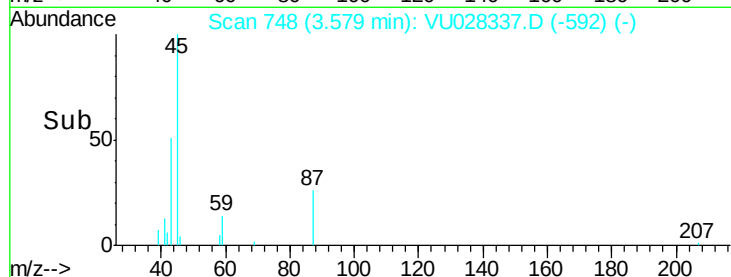
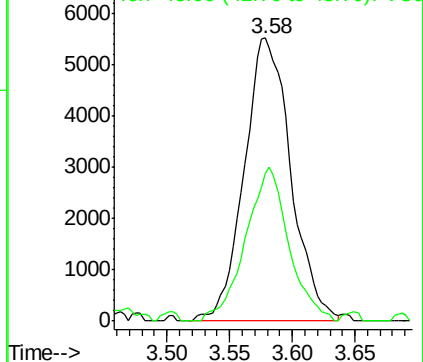
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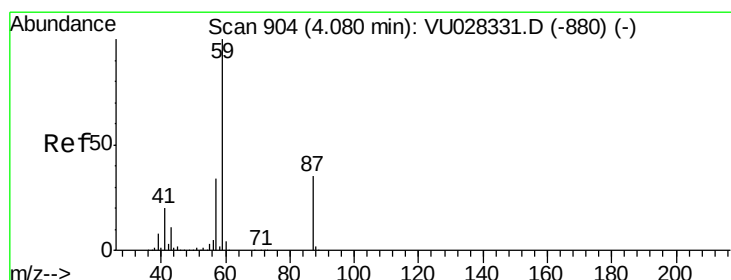
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



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#32

Ethyl-t-butyl ether

Concen: 0.277 ug/l

RT: 4.07 min Scan# 902

Delta R.T. -0.01 min

Lab File: VU028337.D

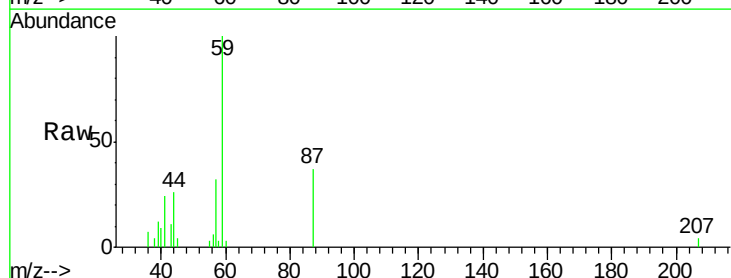
Acq: 26 Nov 2018 14:33

Tgt Ion: 59 Resp: 12120

Ion Ratio Lower Upper

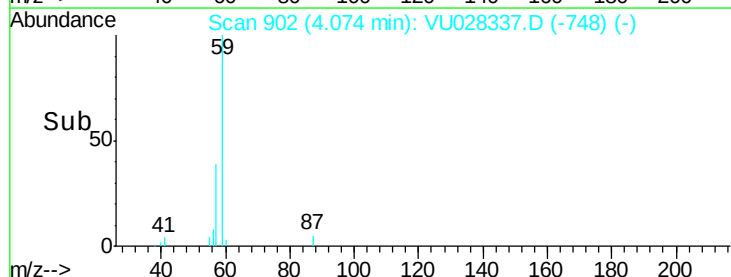
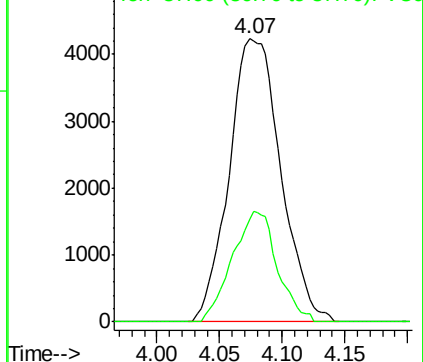
59 100

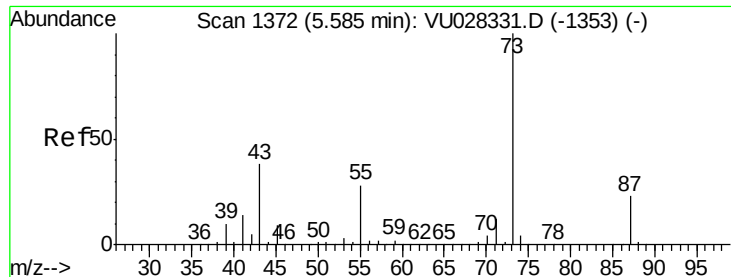
87 33.9 28.2 42.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





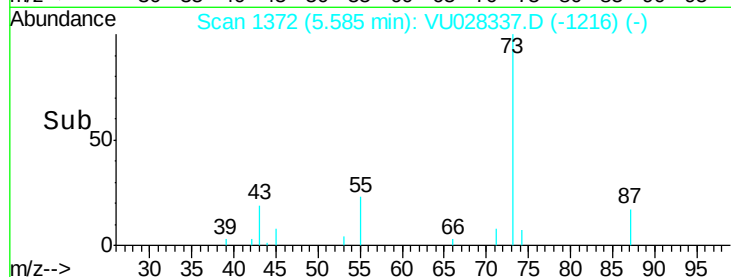
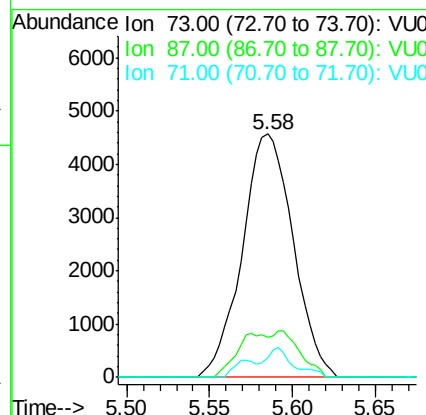
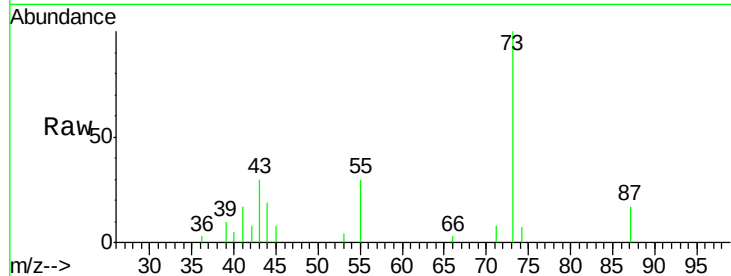
#33
Tert-Amyl methyl ether
Concen: 0.269 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

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

Tgt Ion	Ratio	Lower	Upper
73	100		
87	0.0	17.6	26.4#
71	3.5	9.2	13.8#

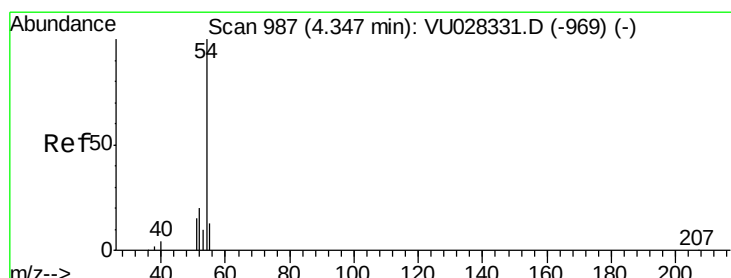
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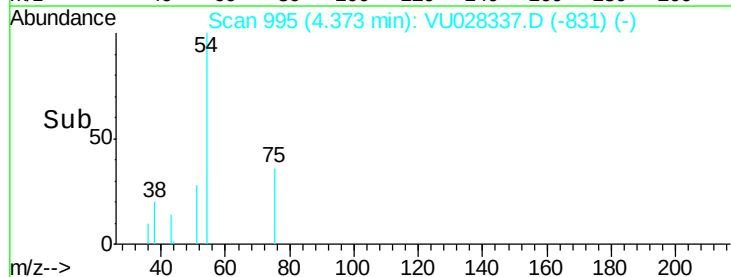
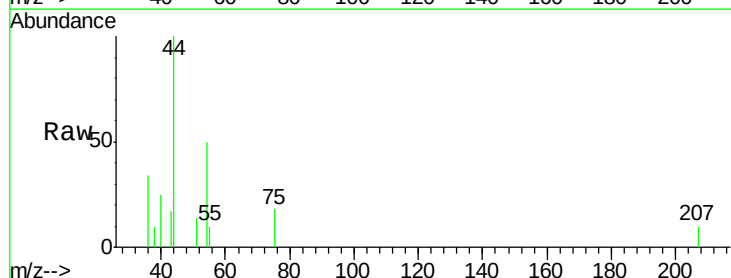
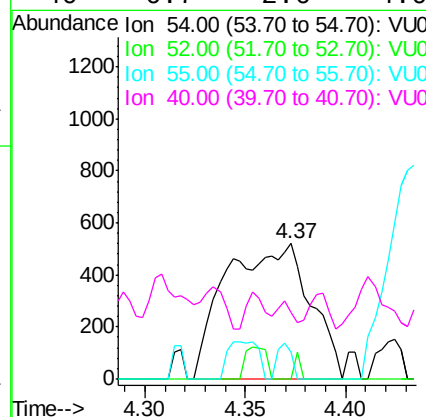
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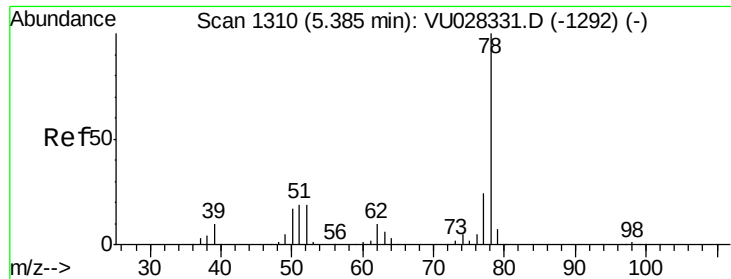
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#34
Propionitrile
Concen: 1.149 ug/l m
RT: 4.37 min Scan# 995
Delta R.T. 0.03 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
54	100		
52	0.0	16.6	25.0#
55	10.0	12.9	19.3#
40	6.7	2.6	4.0#





#35

Benzene

Concen: 0.285 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 78 Resp: 18008

Ion Ratio Lower Upper

78 100

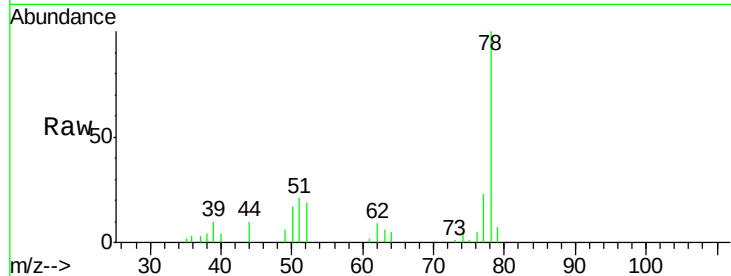
77 23.0 19.5 29.3

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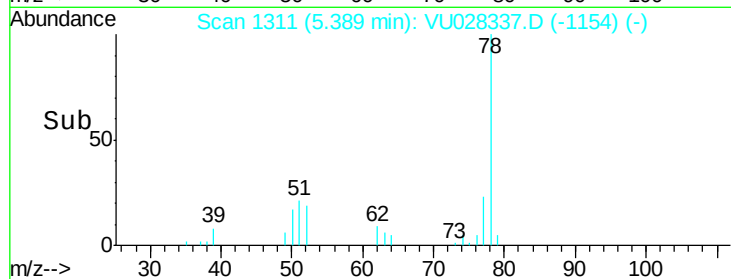
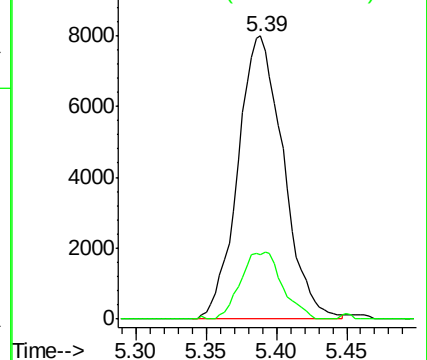
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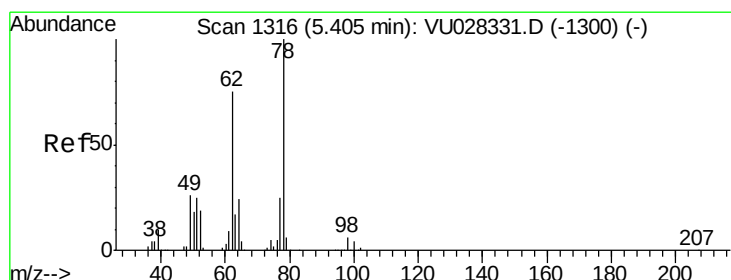
Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



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#36

1,2-Dichloroethane

Concen: 0.285 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU028337.D

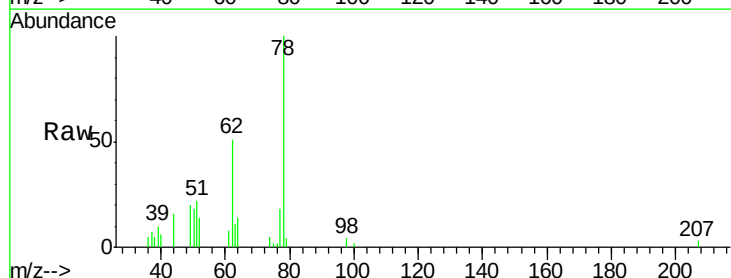
Acq: 26 Nov 2018 14:33

Tgt Ion: 62 Resp: 5383

Ion Ratio Lower Upper

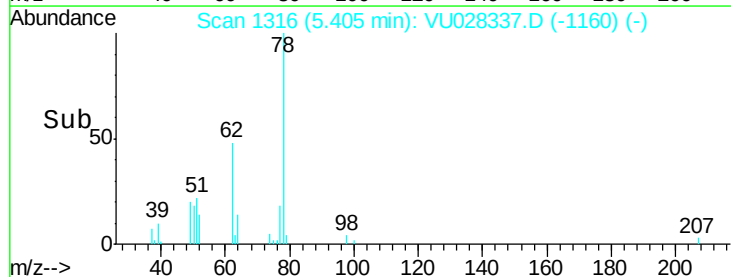
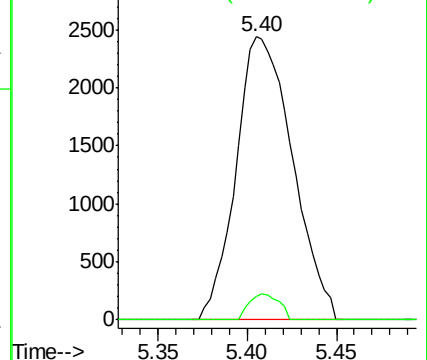
62 100

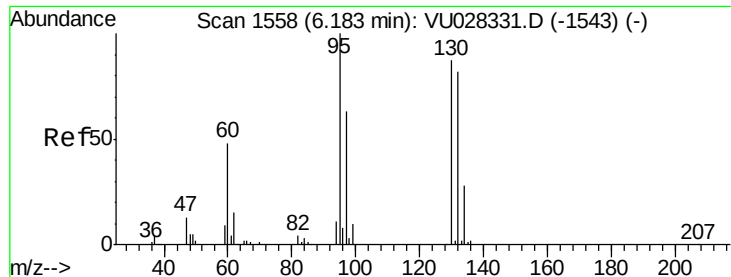
98 4.8 6.0 9.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 0.317 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:130 Resp: 4362

Ion Ratio Lower Upper

130 100

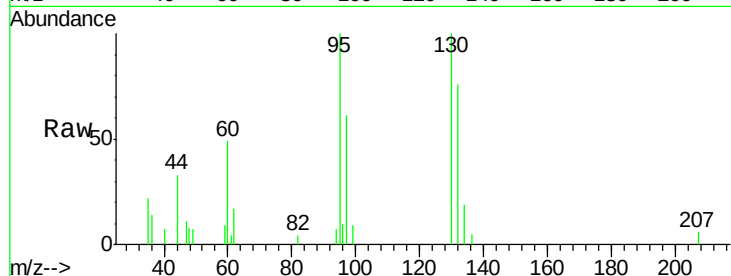
95 100.1 91.5 137.3

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Abundance Ion 129.90 (129.60 to 130.60): VU028337.D (-1402) (-)

Ion 94.90 (94.60 to 95.60): VU028337.D (-1402) (-)

6.19

2500

2000

1500

1000

500

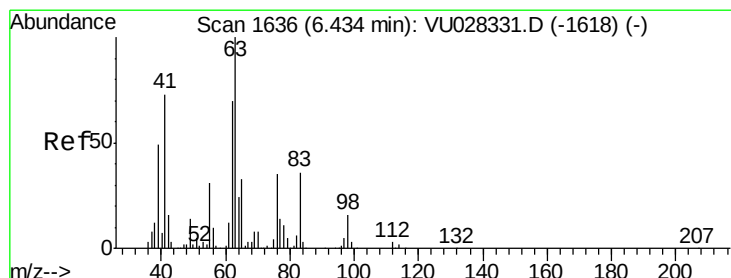
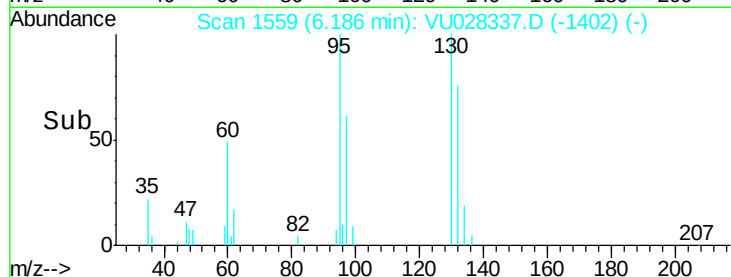
0

6.15 6.20 6.25

Time-->

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#38

1,2-Dichloropropane

Concen: 0.258 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028337.D

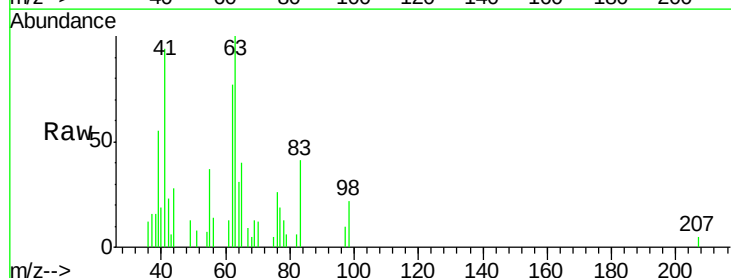
Acq: 26 Nov 2018 14:33

Tgt Ion: 63 Resp: 4641

Ion Ratio Lower Upper

63 100

65 39.7 26.2 39.4#



Abundance Ion 63.00 (62.70 to 63.70): VU028337.D (-1480) (-)

Ion 65.00 (64.70 to 65.70): VU028337.D (-1480) (-)

6.43

2500

2000

1500

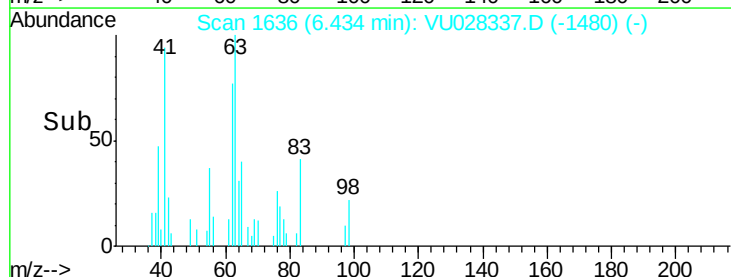
1000

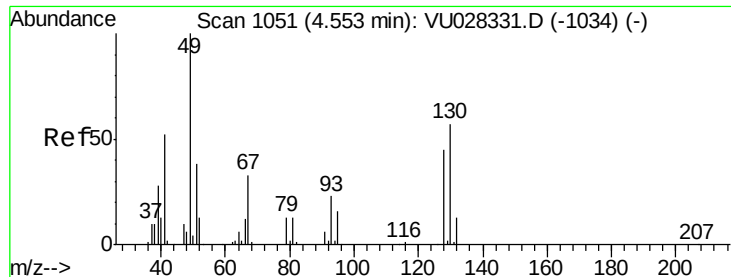
500

0

6.40 6.45 6.50

Time-->





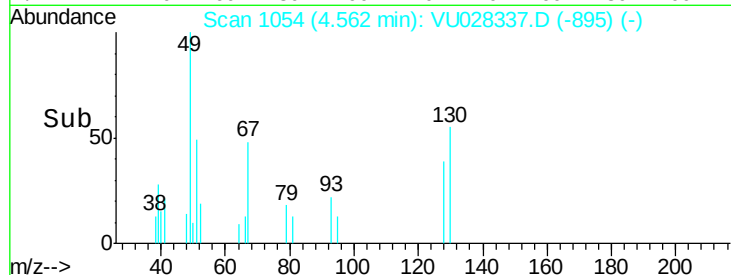
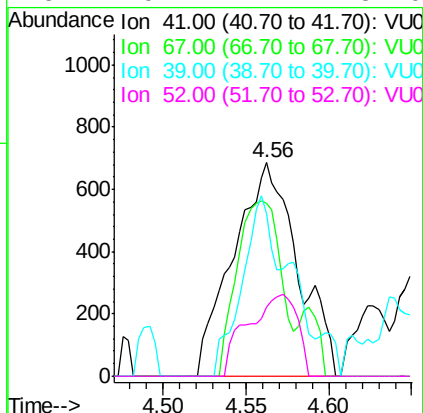
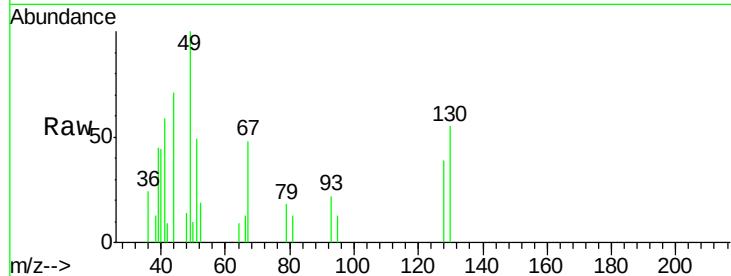
#39
Methacrylonitrile
Concen: 0.262 ug/l m
RT: 4.56 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

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

Tgt Ion	Ratio	Lower	Upper
41	100		
67	55.8	48.2	72.4
39	45.1	42.9	64.3
52	29.4	21.4	32.0

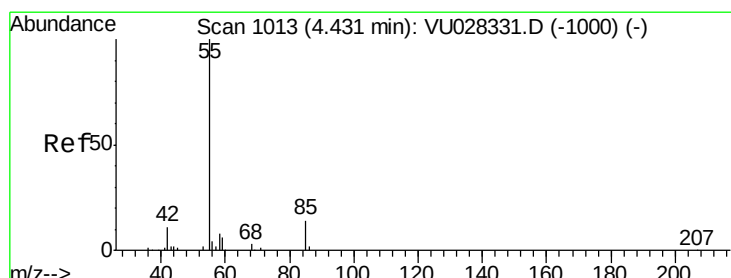
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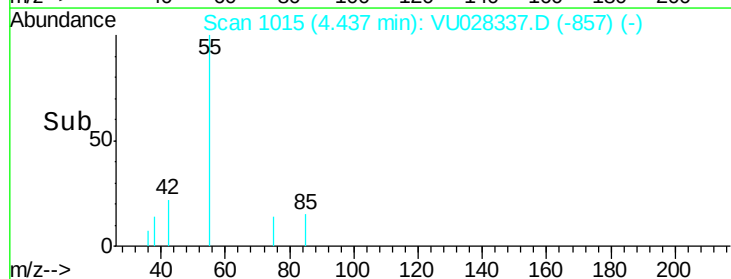
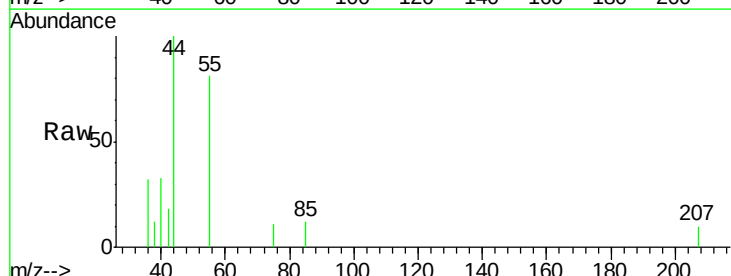
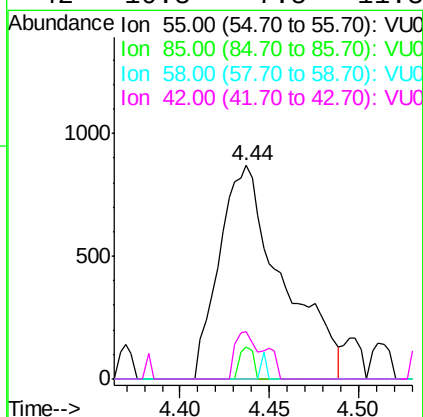
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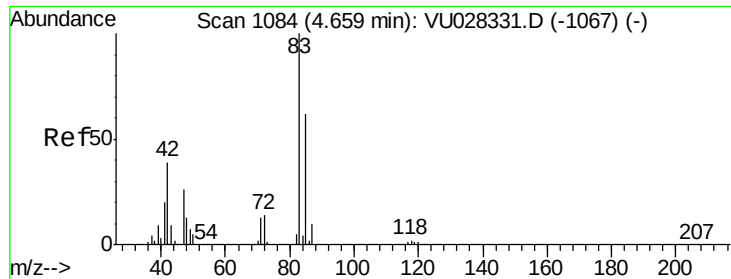
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#40
Methyl acrylate
Concen: 0.220 ug/l
RT: 4.44 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	10.9	16.3#
58	1.0	6.4	9.6#
42	10.3	7.5	11.3





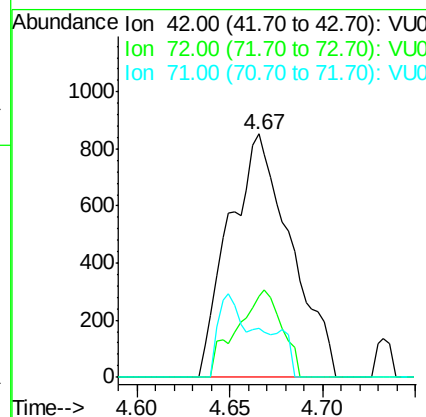
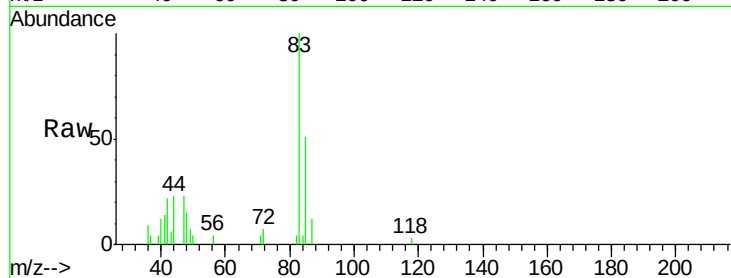
#41
Tetrahydrofuran
Concen: 0.553 ug/l
RT: 4.67 min Scan# 1086
Delta R.T. 0.01 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

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

Tgt Ion	Ratio	Lower	Upper
42	100		
72	26.2	29.8	44.6#
71	19.5	25.9	38.9#

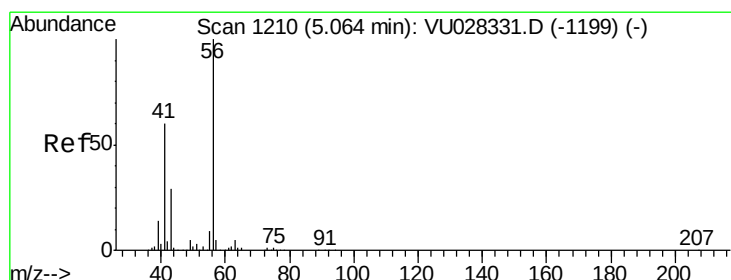
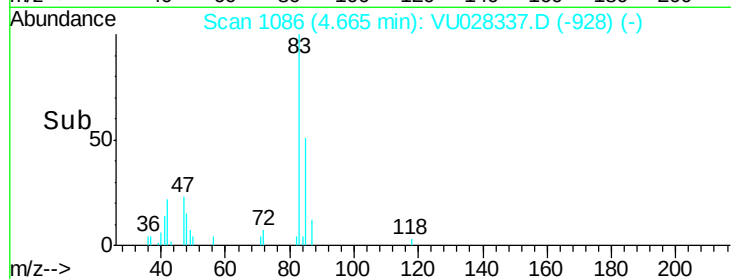
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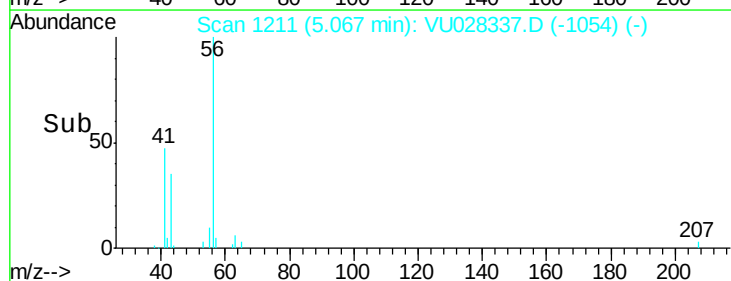
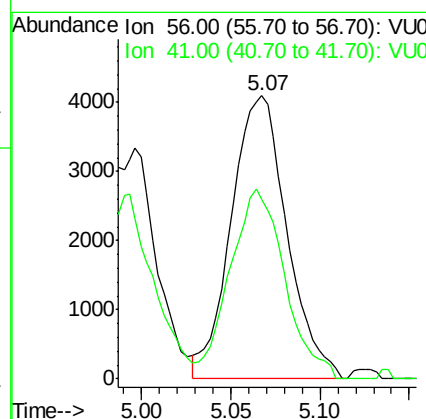
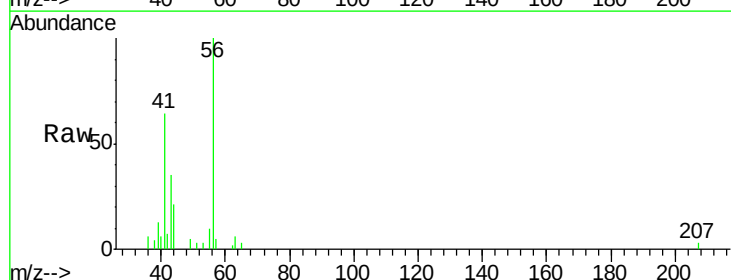
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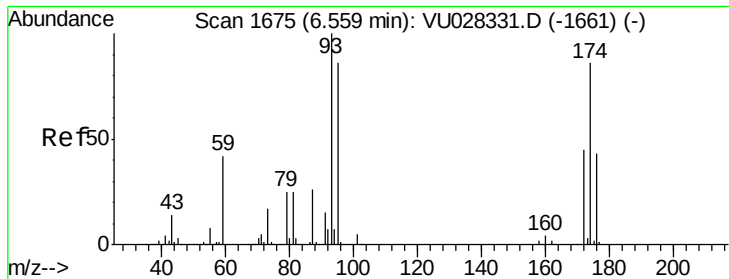
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#42
1-Chlorobutane
Concen: 0.262 ug/l
RT: 5.07 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
56	100		
41	66.0	29.8	89.3





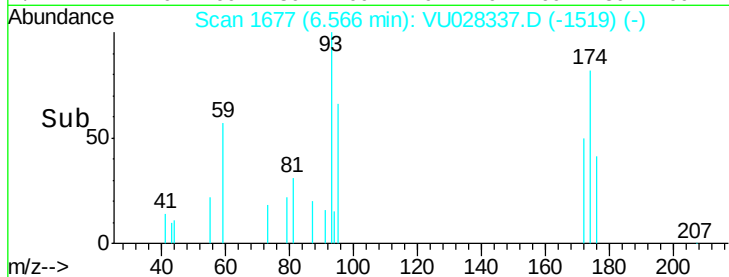
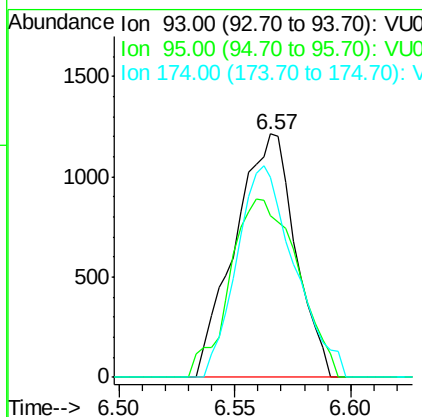
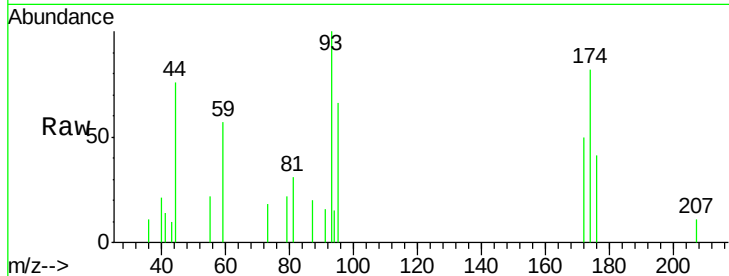
#43
Dibromomethane
Concen: 0.286 ug/l
RT: 6.57 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

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

Tgt Ion: 93 Resp: 2190
Ion Ratio Lower Upper
93 100
95 82.6 66.6 99.8
174 83.3 69.4 104.2

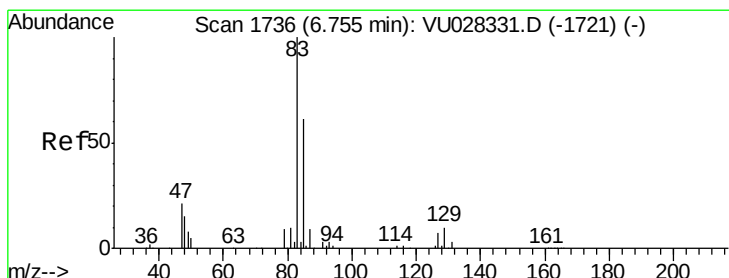
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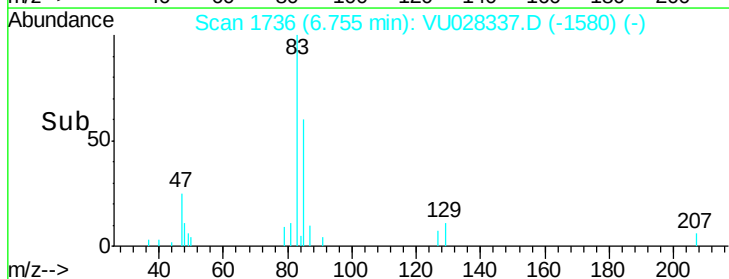
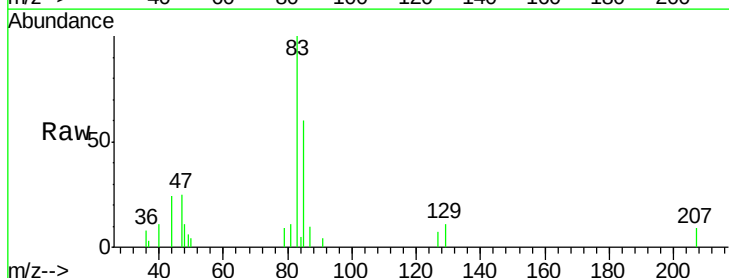
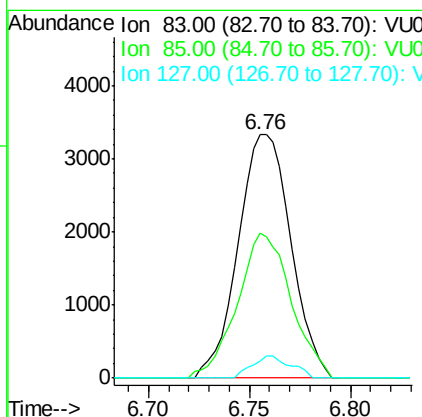
MMDadoda

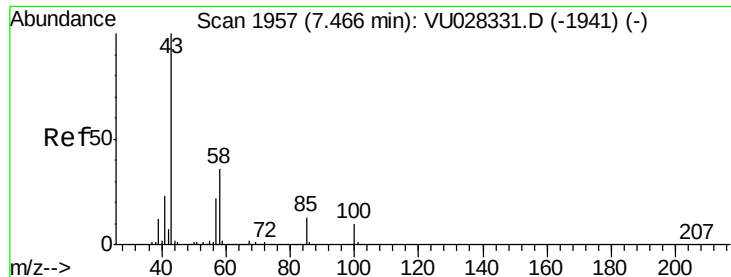
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#44
Bromodichloromethane
Concen: 0.301 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion: 83 Resp: 6097
Ion Ratio Lower Upper
83 100
85 59.8 49.0 73.6
127 7.1 5.7 8.5





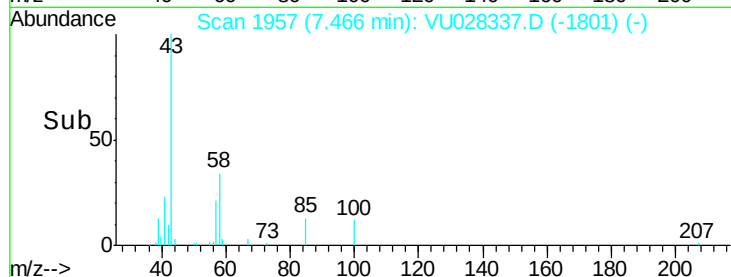
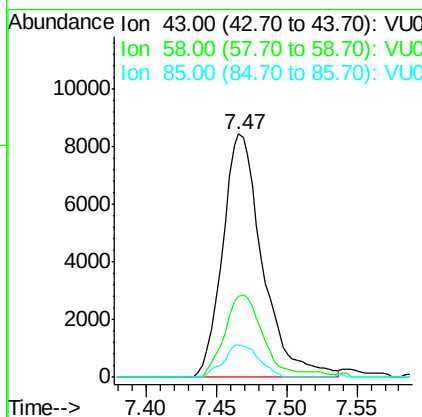
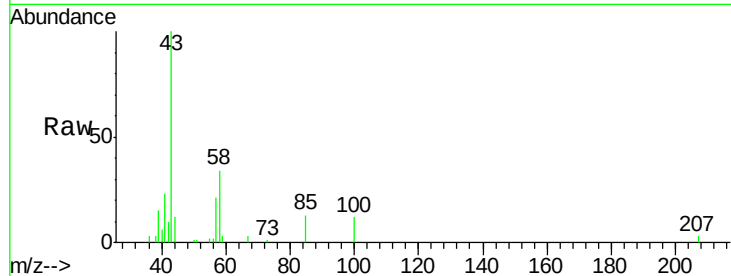
#45
4-Methyl-2-Pentanone
Concen: 1.354 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

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

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.2	17.9	53.7
85	12.0	10.8	16.2

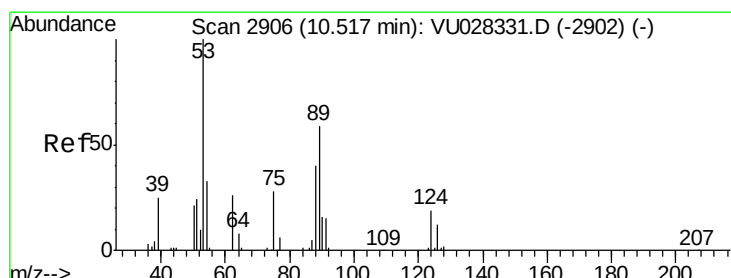
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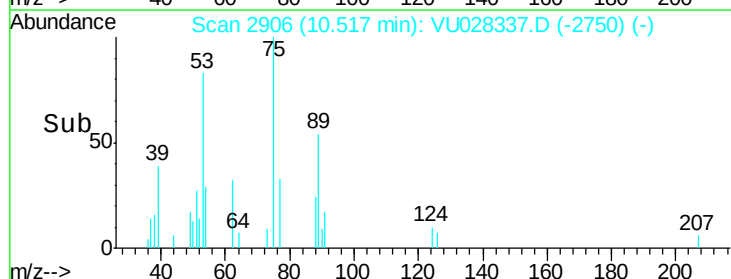
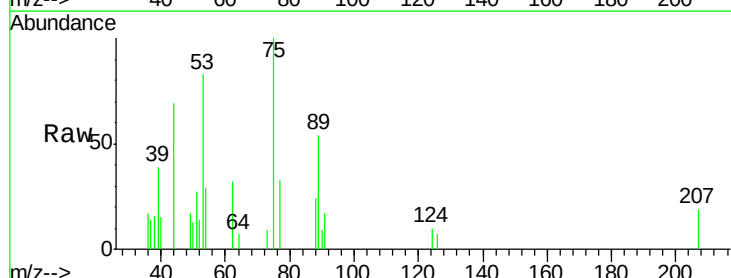
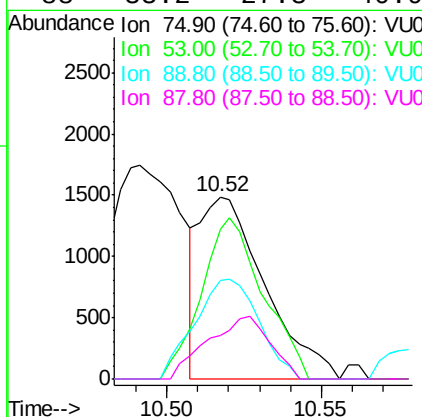
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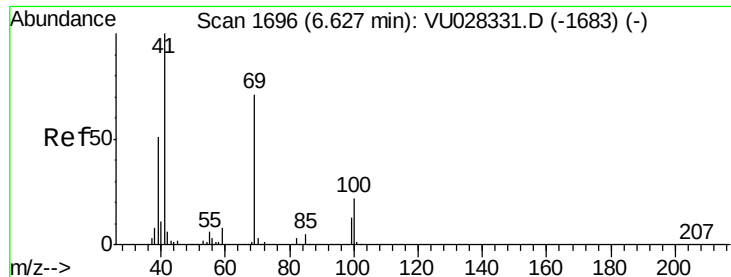
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#46
t-1,4-Dichloro-2-butene
Concen: 0.480 ug/l m
RT: 10.52 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
53	84.2	65.0	97.6
89	54.4	38.6	58.0
88	33.2	27.3	40.9





#47

Methyl methacrylate

Concen: 0.492 ug/l

RT: 6.63 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

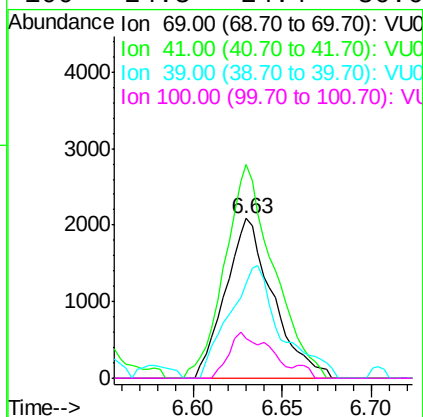
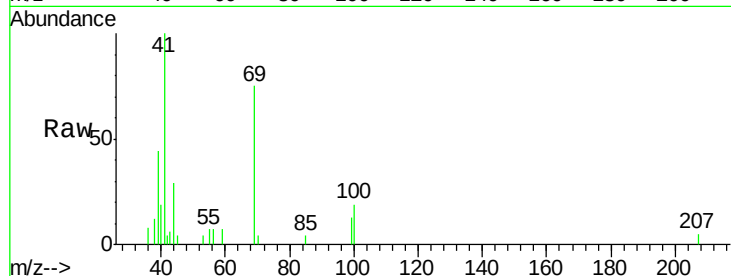
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	69	Resp:	3854
Ion	Ratio	Lower	Upper
69	100		
41	137.4	0.0	277.2
39	76.0	57.6	86.4
100	24.3	24.4	36.6#

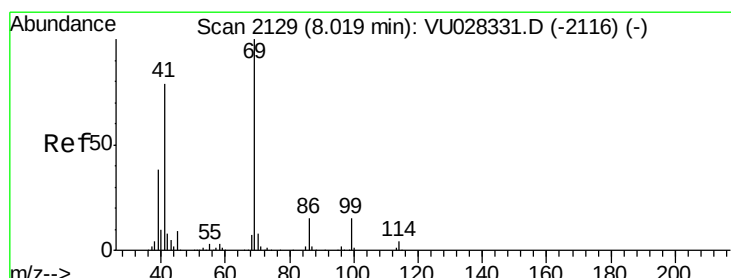
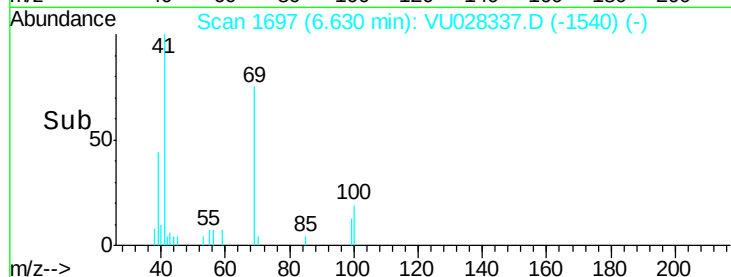
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#48

Ethyl methacrylate

Concen: 0.227 ug/l

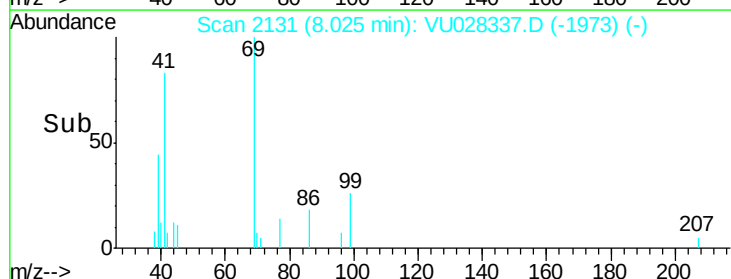
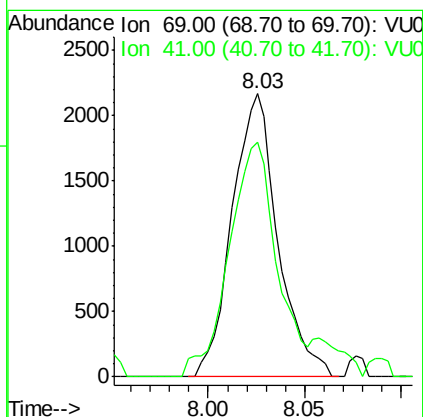
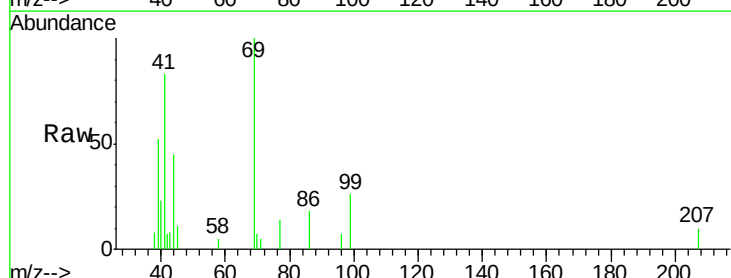
RT: 8.03 min Scan# 2131

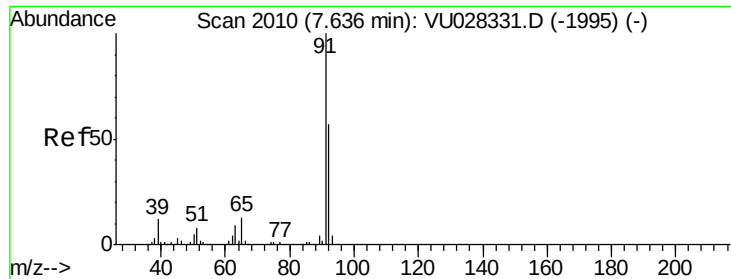
Delta R.T. 0.01 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Tgt Ion:	69	Resp:	3553
Ion	Ratio	Lower	Upper
69	100		
41	86.6	39.4	118.2





#49

Toluene

Concen: 0.258 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 92 Resp: 9049

Ion Ratio Lower Upper

92 100

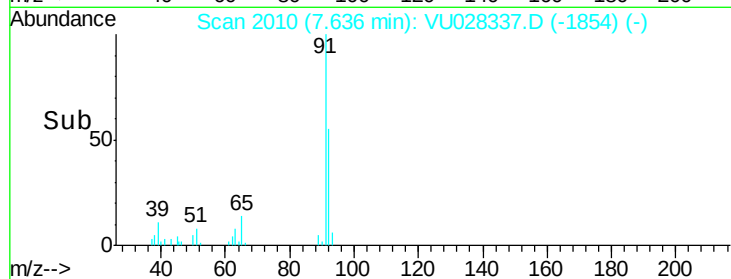
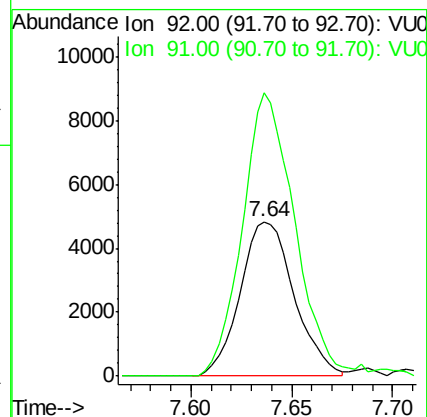
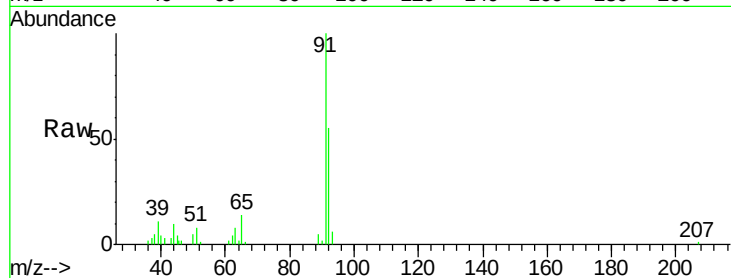
91 178.5 141.5 212.3

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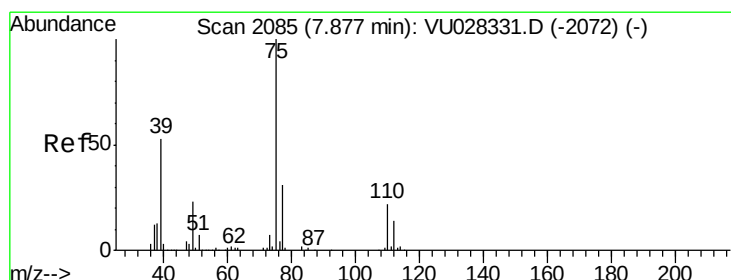
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#50

t-1,3-Dichloropropene

Concen: 0.251 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. 0.01 min

Lab File: VU028337.D

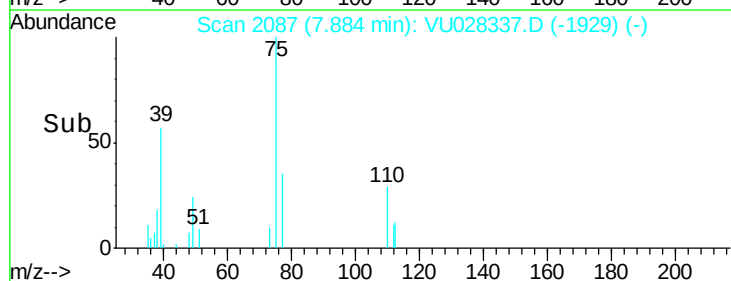
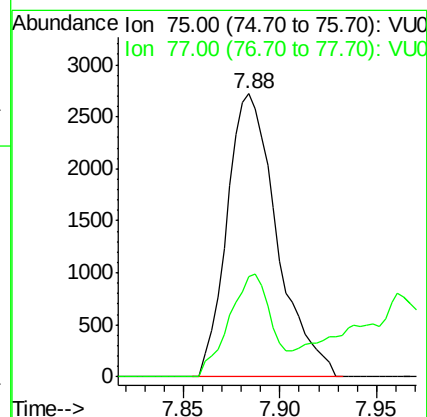
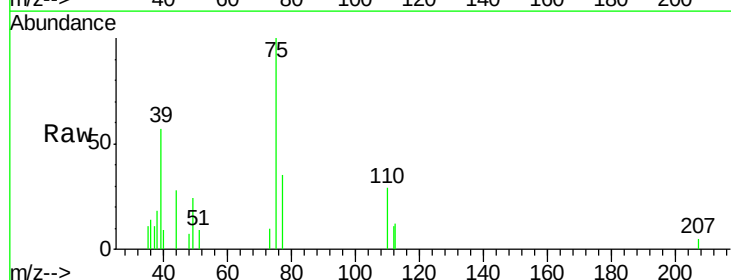
Acq: 26 Nov 2018 14:33

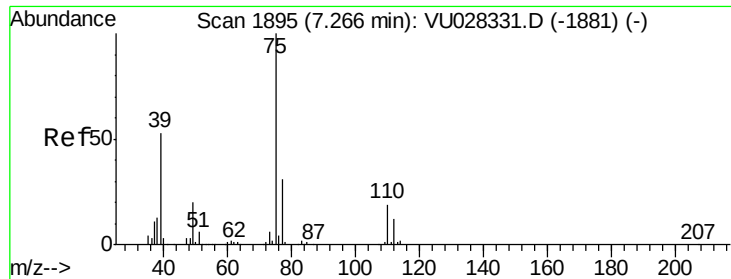
Tgt Ion: 75 Resp: 4880

Ion Ratio Lower Upper

75 100

77 35.2 24.7 37.1





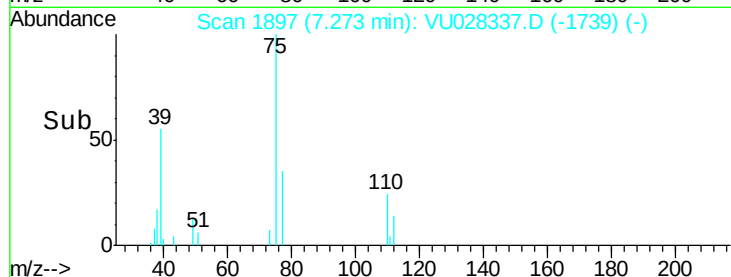
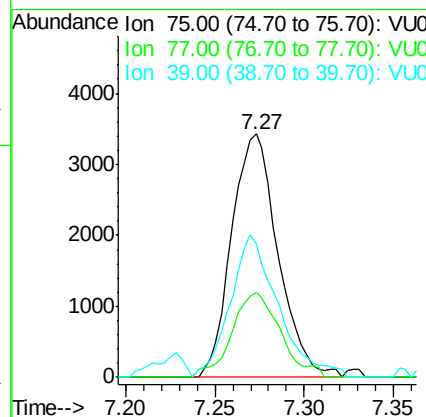
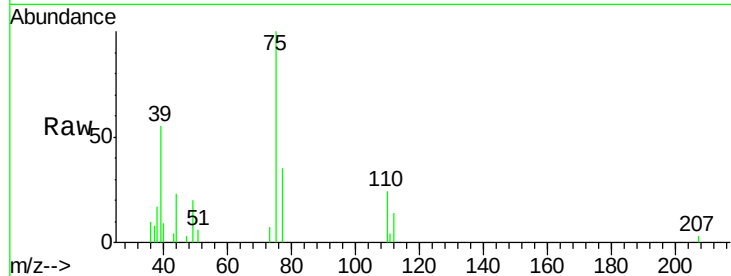
#51
 cis-1,3-Dichloropropene
 Concen: 0.258 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.01 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

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

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.7	24.4	36.6
39	54.9	42.8	64.2

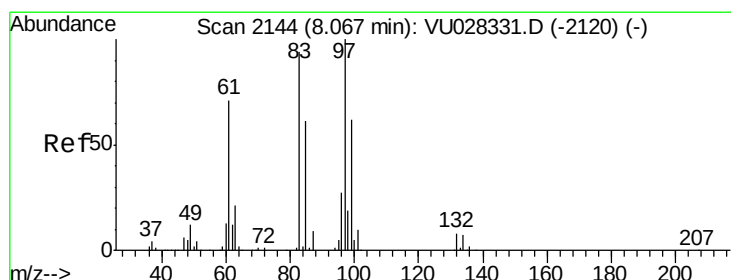
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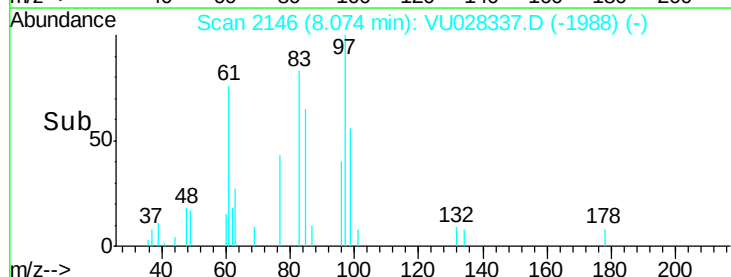
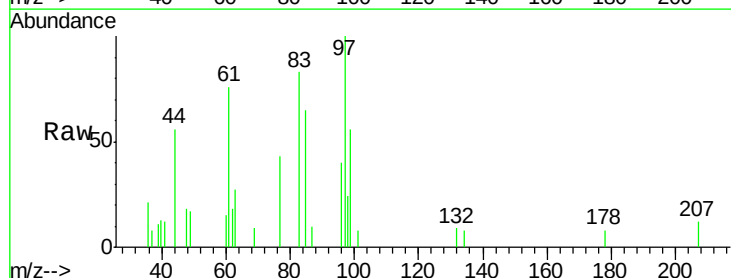
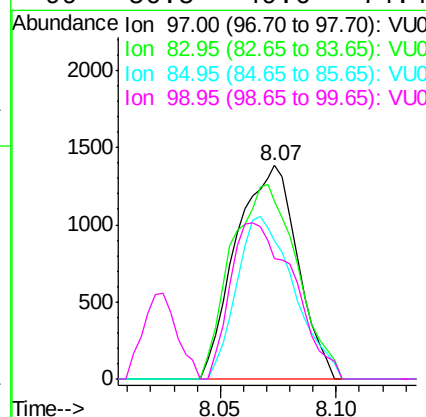
MMDadoda

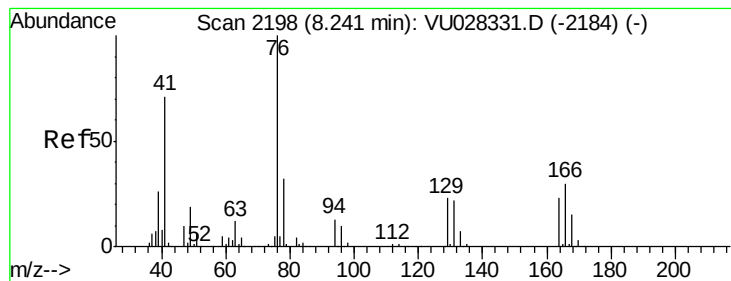
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#52
 1,1,2-Trichloroethane
 Concen: 0.236 ug/l
 RT: 8.07 min Scan# 2146
 Delta R.T. 0.01 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.1	75.1	112.7
85	64.8	48.7	73.1
99	56.5	49.6	74.4





#53

1,3-Dichloropropane

Concen: 0.261 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 76 Resp: 5244

Ion Ratio Lower Upper

76 100

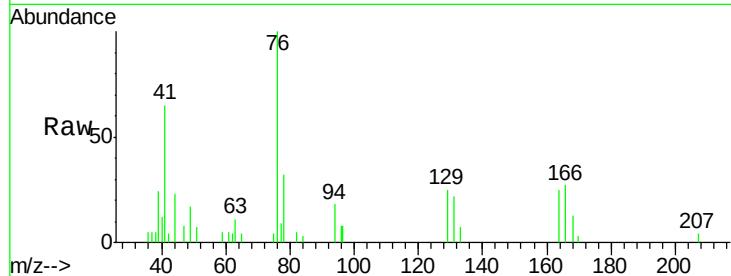
78 33.9 25.4 38.0

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Abundance Ion 76.00 (75.70 to 76.70): VU028337.D (-2042) (-)

Ion 78.00 (77.70 to 78.70): VU028337.D (-2042) (-)

8.24

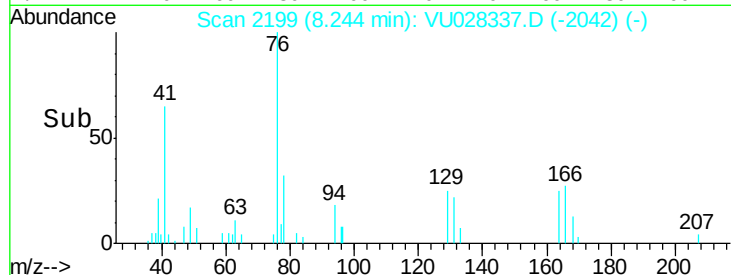
3000

2000

1000

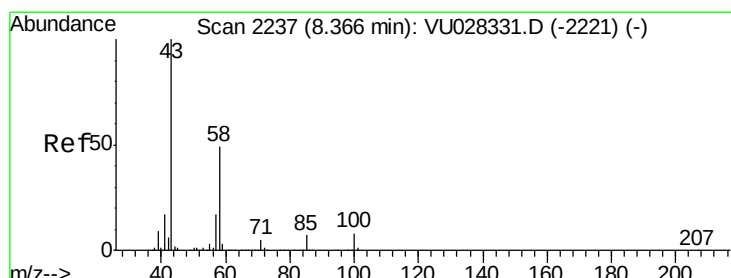
0

Time-->



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#54

2-Hexanone

Concen: 1.329 ug/l

RT: 8.37 min Scan# 2239

Delta R.T. 0.01 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

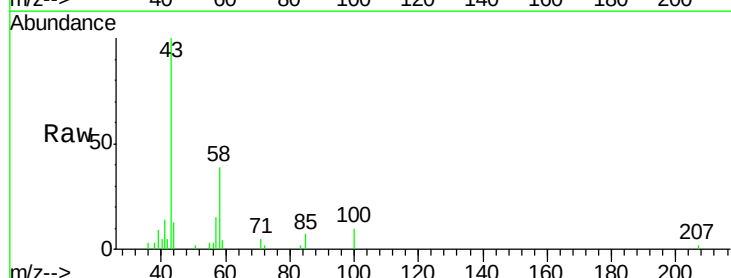
Tgt Ion: 43 Resp: 11772

Ion Ratio Lower Upper

43 100

58 46.6 29.3 69.3

57 14.9 0.0 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU028337.D (-2081) (-)

Ion 58.00 (57.70 to 58.70): VU028337.D (-2081) (-)

Ion 57.00 (56.70 to 57.70): VU028337.D (-2081) (-)

8.37

8000

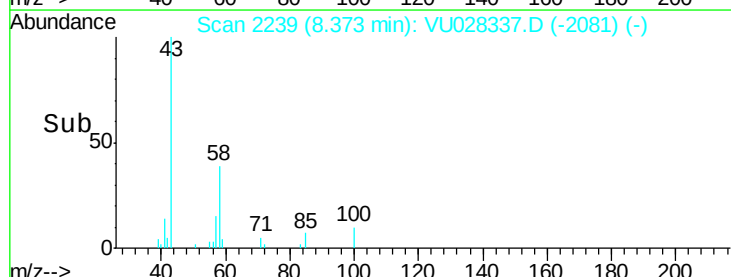
6000

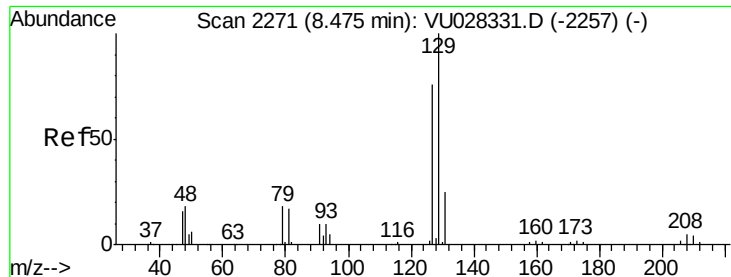
4000

2000

0

Time-->





#55

Dibromochloromethane

Concen: 0.260 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:129 Resp: 2977

Ion Ratio Lower Upper

129 100

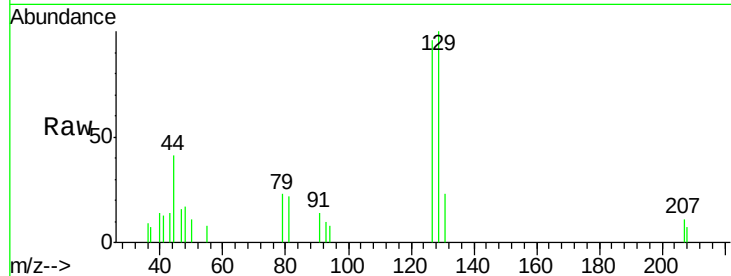
127 82.3 61.0 91.4

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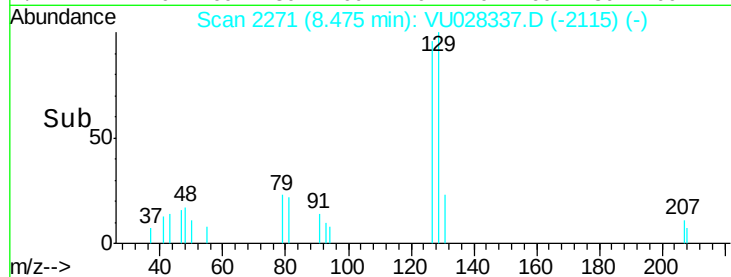
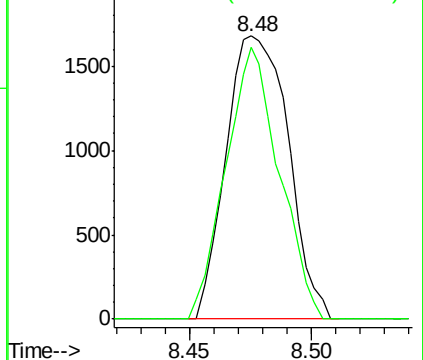
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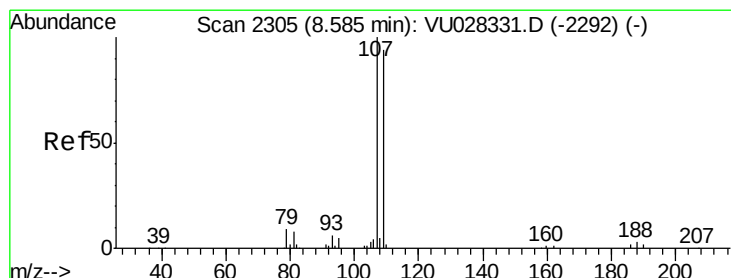
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



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#56

1,2-Dibromoethane

Concen: 0.256 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028337.D

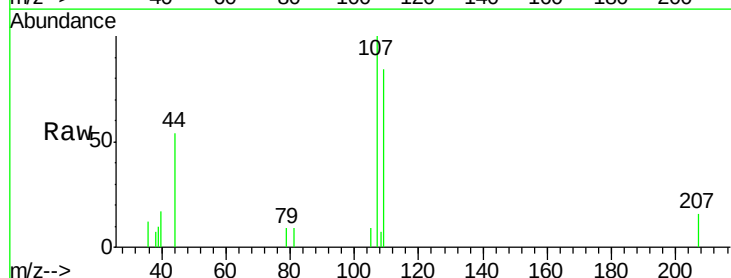
Acq: 26 Nov 2018 14:33

Tgt Ion:107 Resp: 2515

Ion Ratio Lower Upper

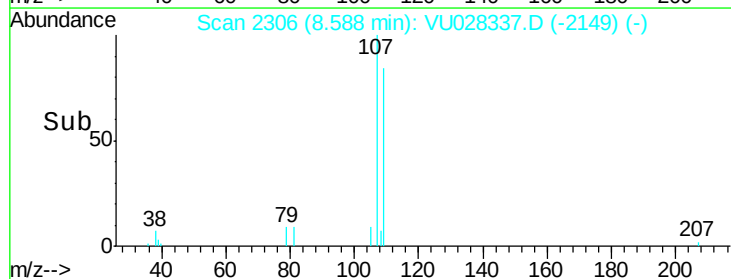
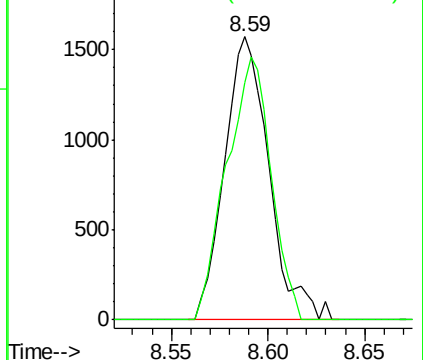
107 100

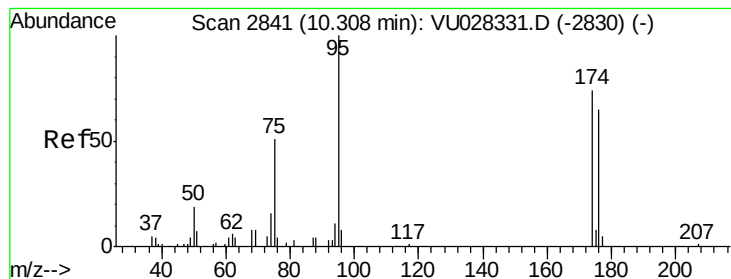
109 92.8 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.256 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 95 Resp: 16921
Ion Ratio Lower Upper

95 100

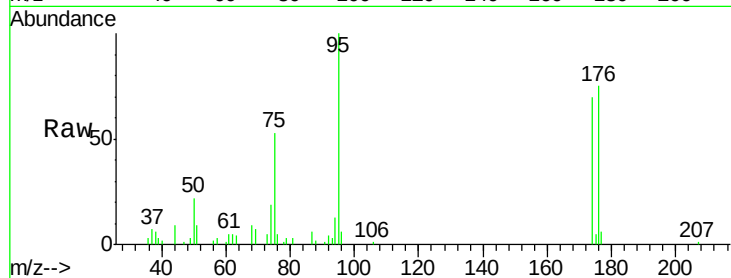
174 73.2 59.3 88.9

176 69.2 54.3 81.5

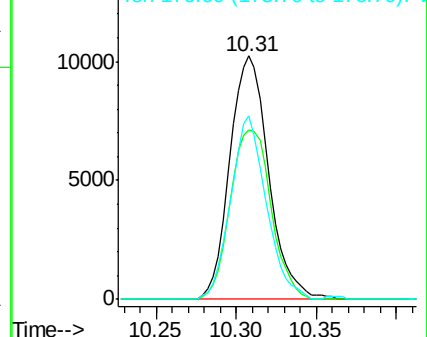
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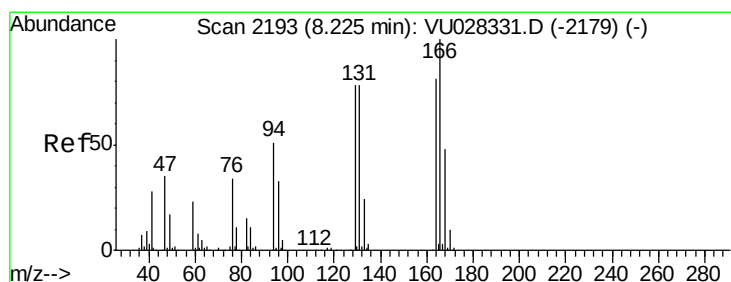
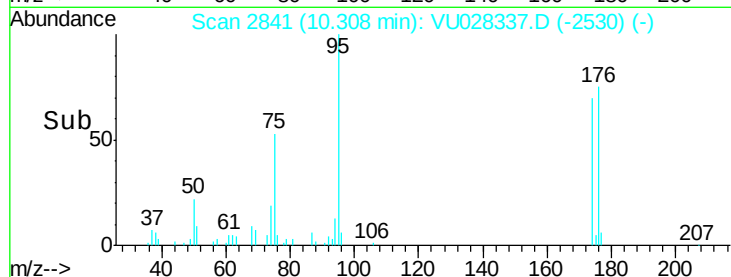


Abundance Ion 95.00 (94.70 to 95.70): VU
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V



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#58

Tetrachloroethene

Concen: 0.309 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Tgt Ion: 164 Resp: 3891
Ion Ratio Lower Upper

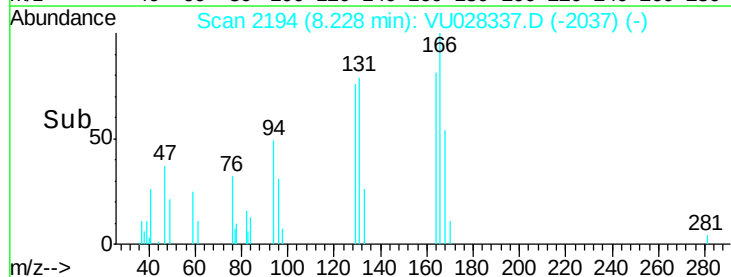
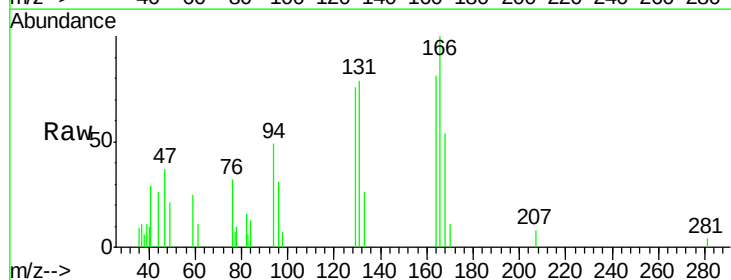
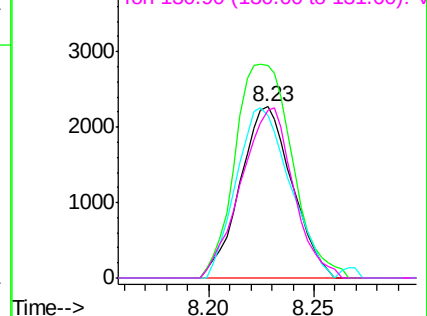
164 100

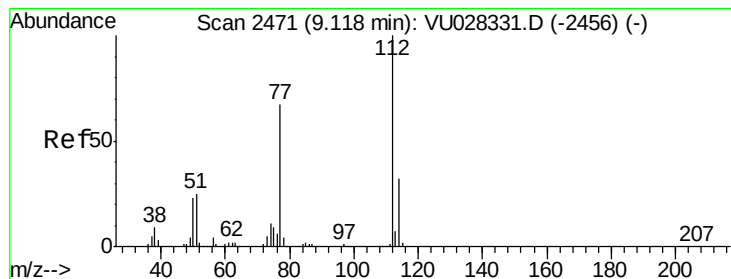
166 124.2 98.6 148.0

129 94.6 77.0 115.4

131 97.6 77.0 115.4

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#59

Chlorobenzene

Concen: 0.267 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:112 Resp: 9758

Ion Ratio Lower Upper

112 100

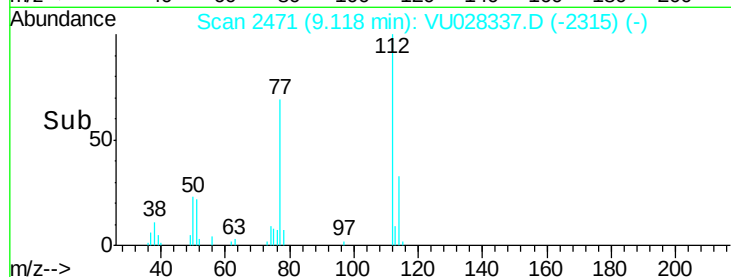
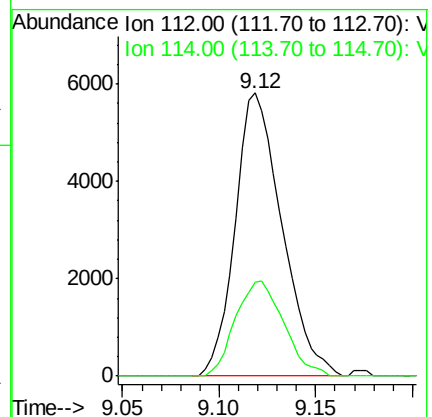
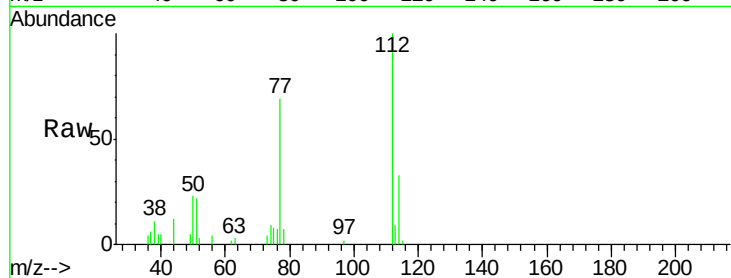
114 33.0 25.2 37.8

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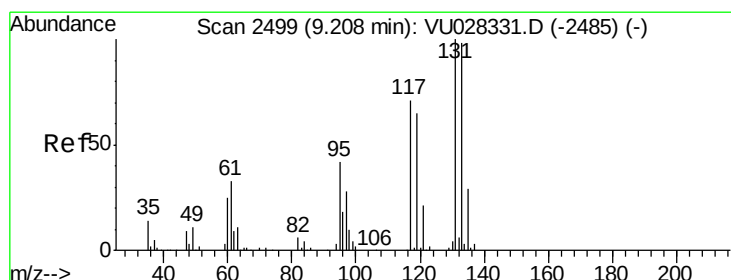
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#60

1,1,1,2-Tetrachloroethane

Concen: 0.248 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

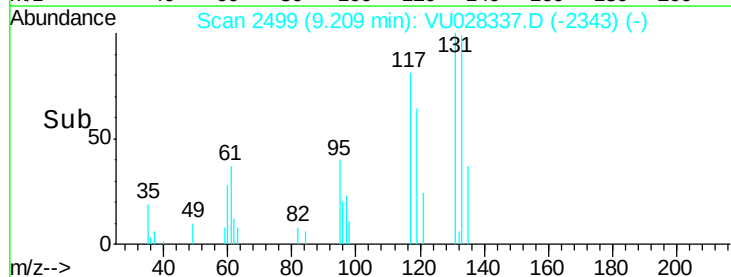
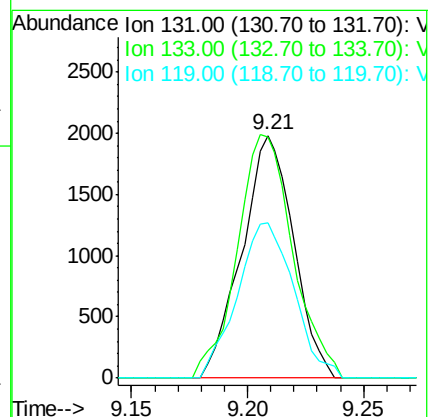
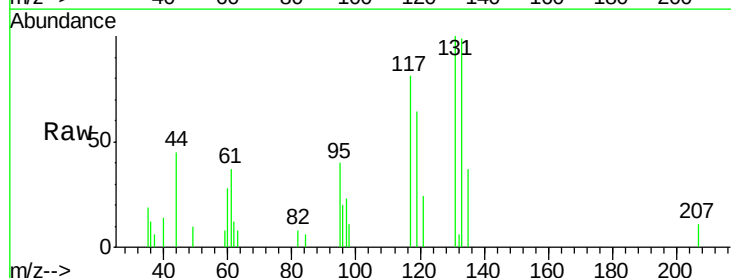
Tgt Ion:131 Resp: 3071

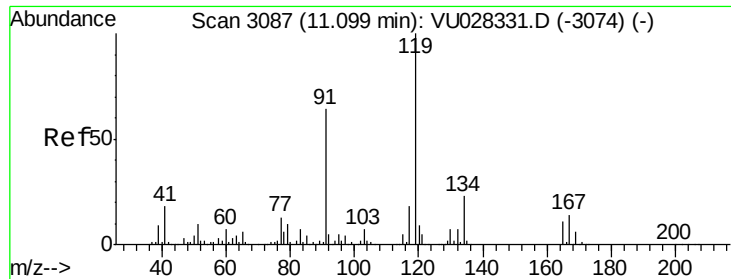
Ion Ratio Lower Upper

131 100

133 107.5 77.7 116.5

119 69.8 54.3 81.5





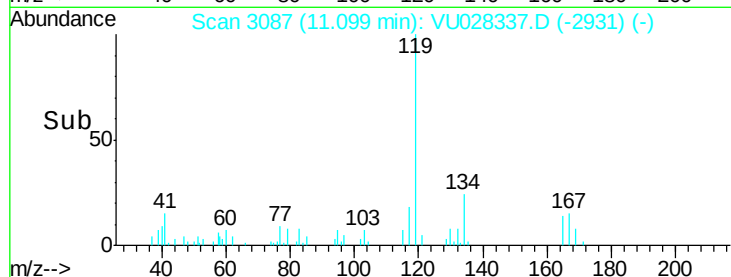
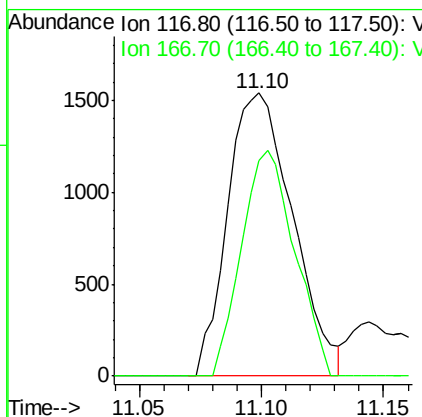
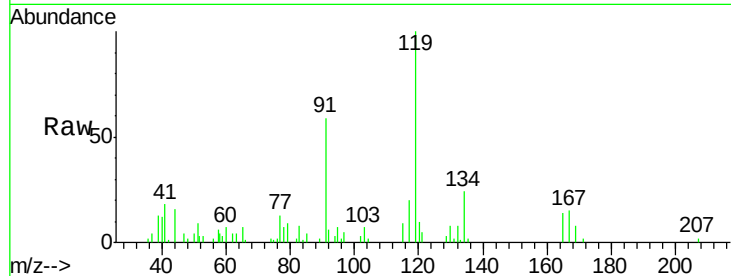
#61
 Pentachloroethane
 Concen: 0.296 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

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

Tgt Ion:117 Resp: 2853
 Ion Ratio Lower Upper
 117 100
 167 64.8 64.2 96.2

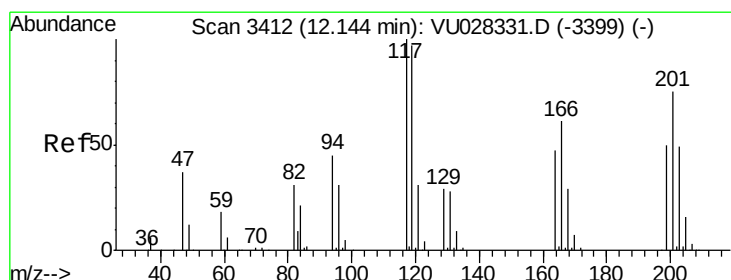
Manual Integrations
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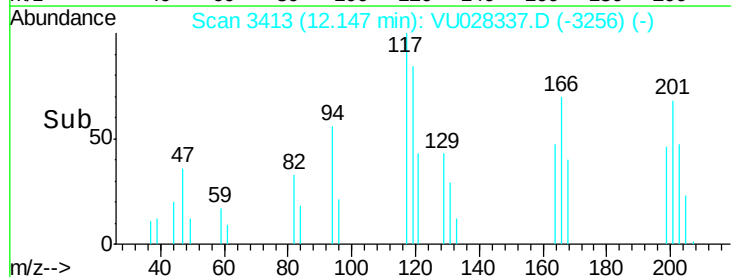
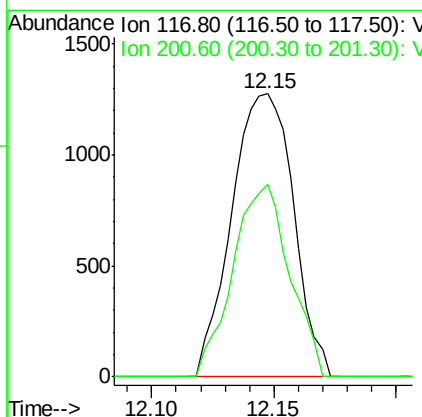
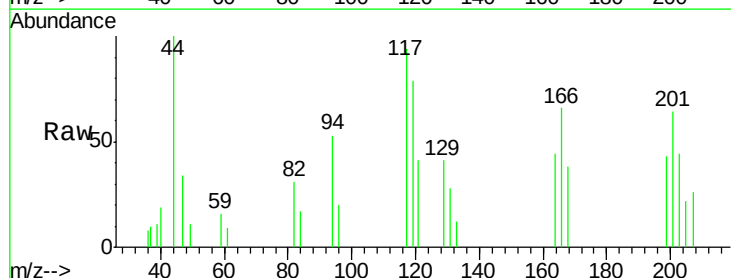
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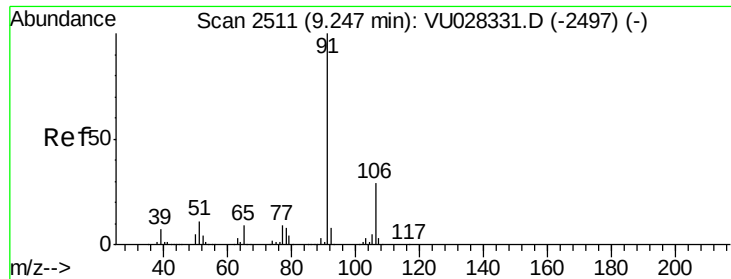
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#62
 Hexachloroethane
 Concen: 0.249 ug/l
 RT: 12.15 min Scan# 3413
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion:117 Resp: 2243
 Ion Ratio Lower Upper
 117 100
 201 62.3 59.4 89.2





#63

Ethyl Benzene

Concen: 0.268 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 91 Resp: 18068

Ion Ratio Lower Upper

91 100

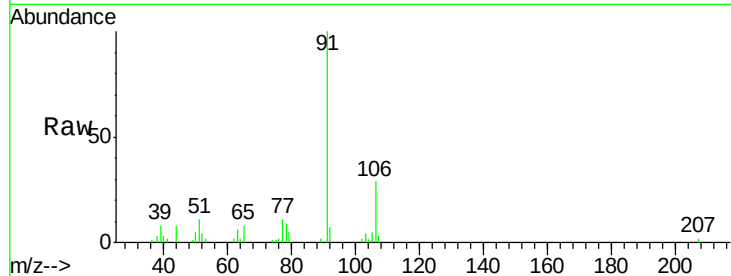
106 28.7 23.4 35.2

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Abundance Ion 91.00 (90.70 to 91.70): VU028331.D (-2497) (-)

Ion 106.00 (105.70 to 106.70): VU028331.D (-2497) (-)

12000

10000

8000

6000

4000

2000

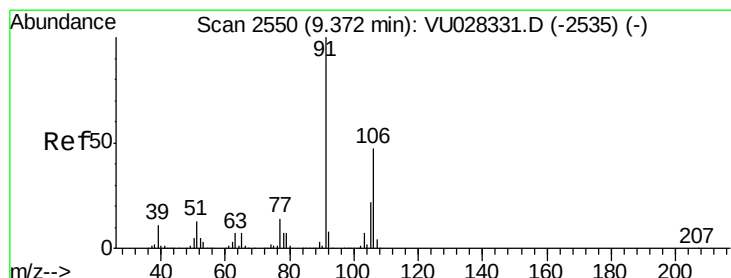
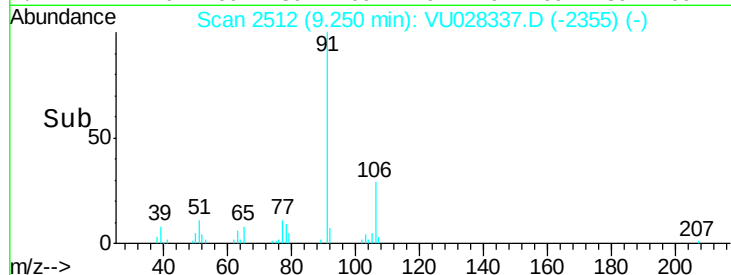
0

9.20

9.25

9.30

Time-->



#64

m/p-Xylenes

Concen: 0.525 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028337.D

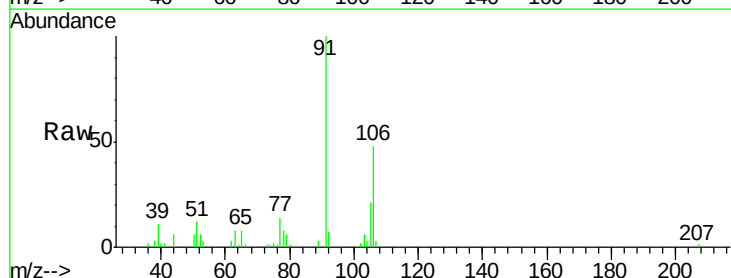
Acq: 26 Nov 2018 14:33

Tgt Ion: 106 Resp: 12800

Ion Ratio Lower Upper

106 100

91 220.7 170.6 256.0



Abundance Ion 106.00 (105.70 to 106.70): VU028331.D (-2535) (-)

Ion 91.00 (90.70 to 91.70): VU028331.D (-2535) (-)

15000

10000

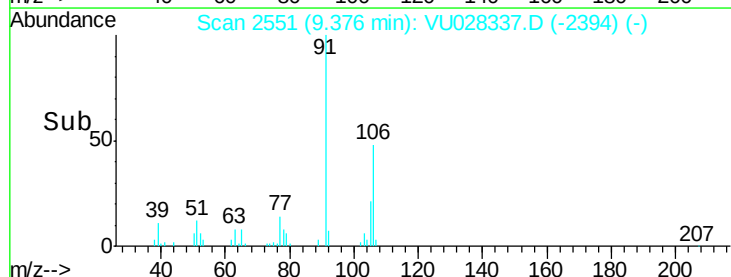
5000

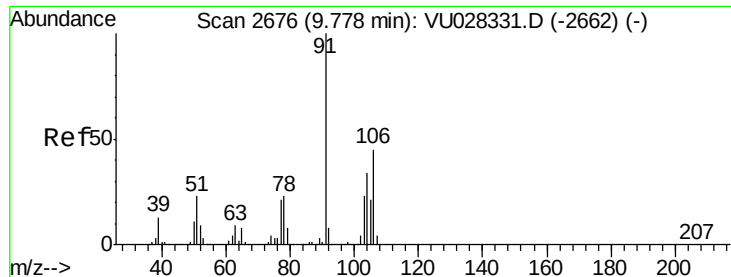
0

9.35

9.40

Time-->





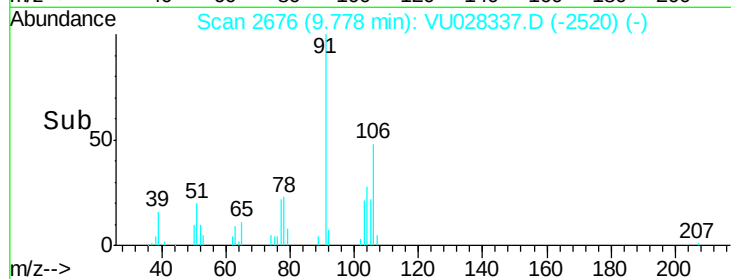
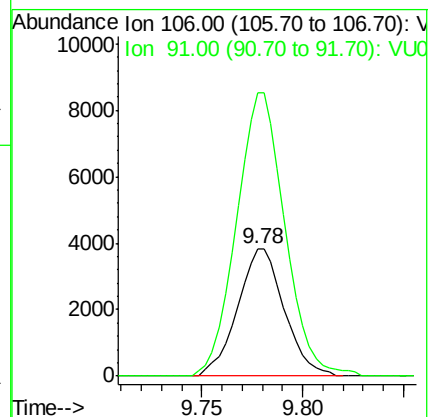
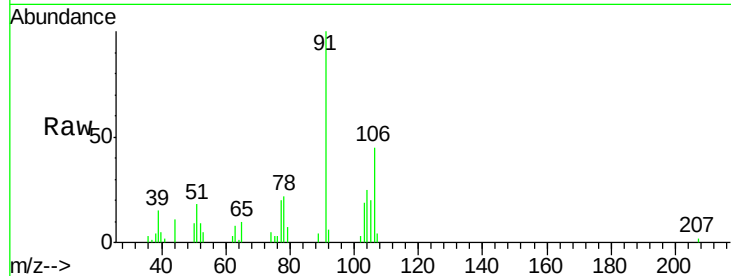
#65
o-Xylene
Concen: 0.264 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

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

Tgt Ion:106 Resp: 6204
Ion Ratio Lower Upper
106 100
91 230.1 112.3 337.0

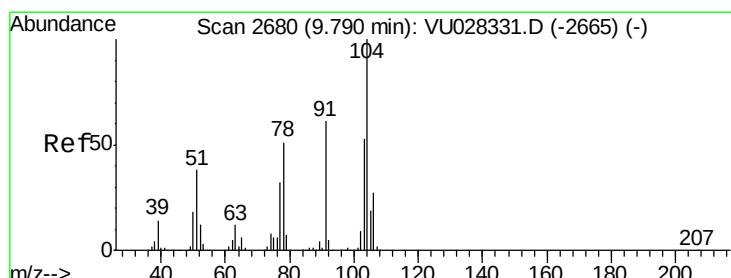
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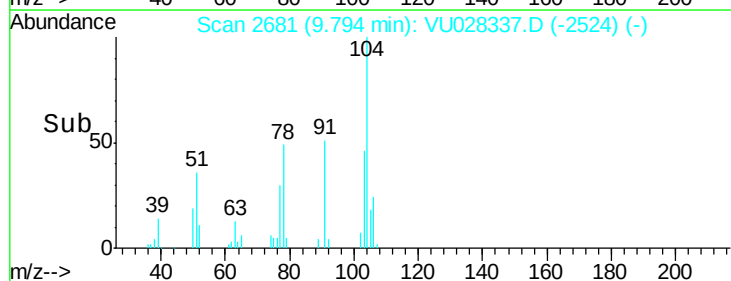
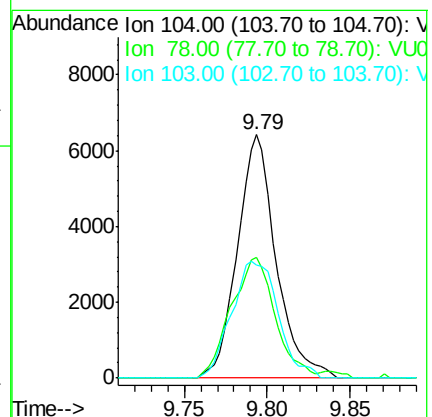
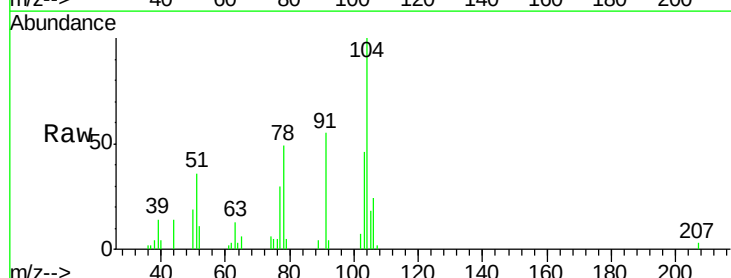
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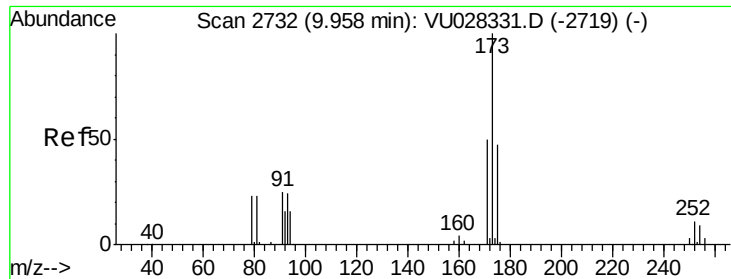
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#66
Styrene
Concen: 0.258 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion:104 Resp: 10422
Ion Ratio Lower Upper
104 100
78 56.2 44.0 66.0
103 57.8 45.2 67.8





#67

Bromoform

Concen: 0.250 ug/l

RT: 9.96 min Scan# 2734

Delta R.T. 0.01 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

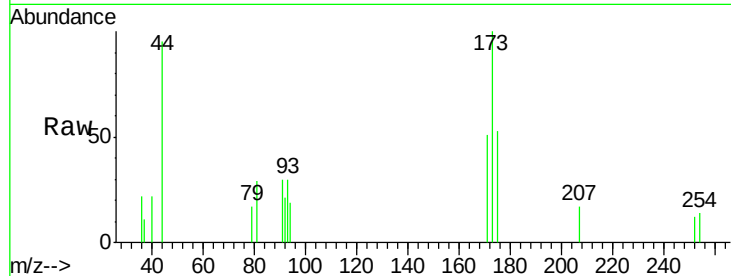
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
173	100		
175	53.9	39.0	58.6
254	2.9	6.8	10.2

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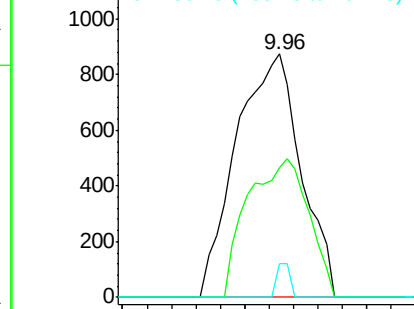


Abundance

Ion 172.90 (172.60 to 173.60): V

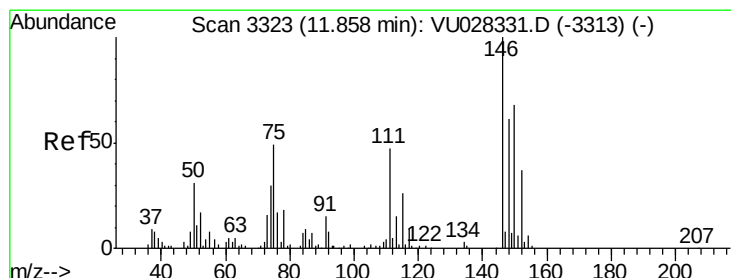
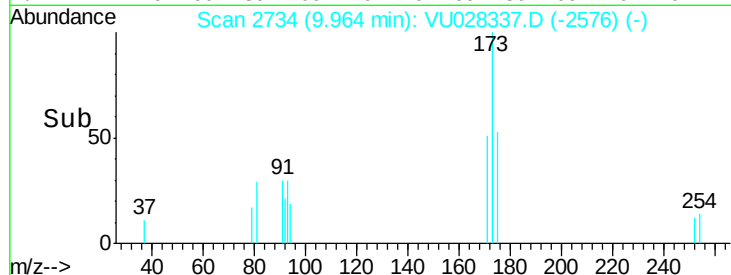
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 0.250 ug/l

RT: 11.86 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

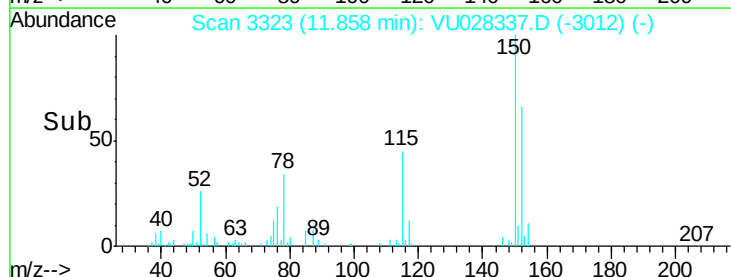
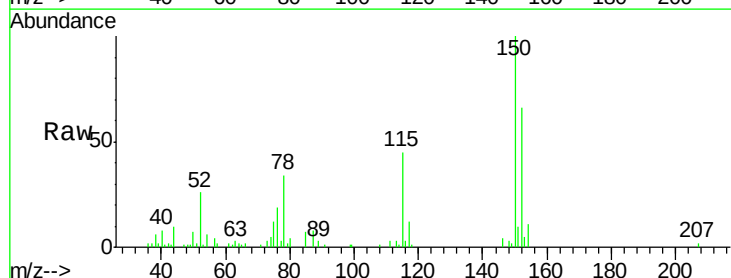
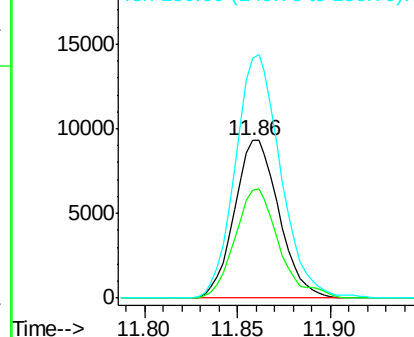
Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.9	0.0	146.8
150	157.6	0.0	653.2

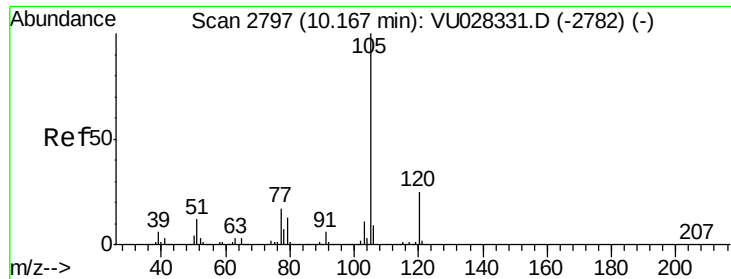
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.254 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 105 Resp: 15982

Ion Ratio Lower Upper

105 100

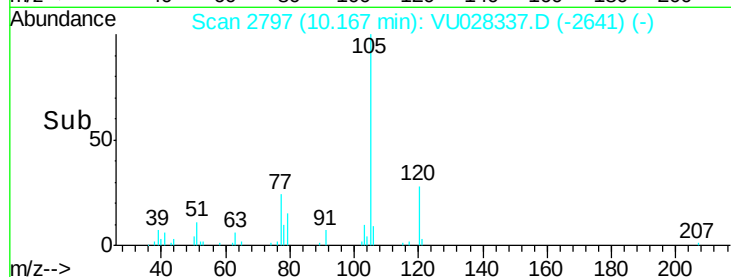
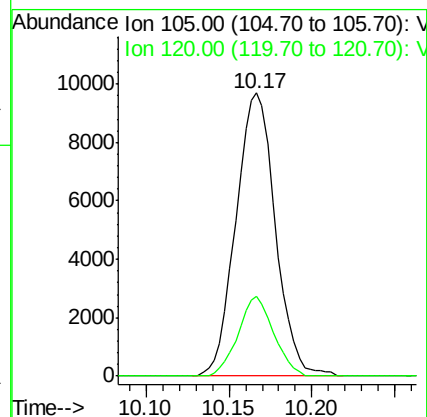
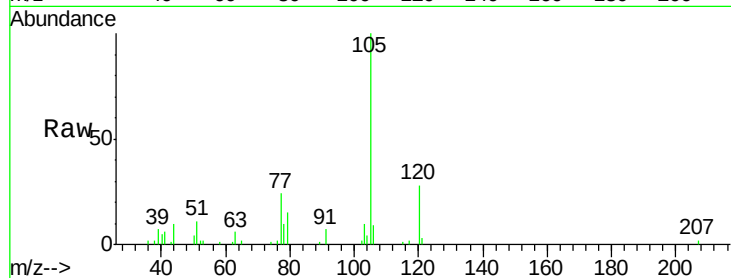
120 25.3 12.6 37.6

Manual Integrations

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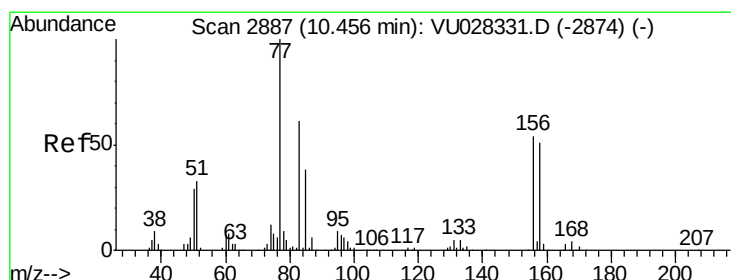
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#70

1,1,2,2-Tetrachloroethane

Concen: 0.251 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

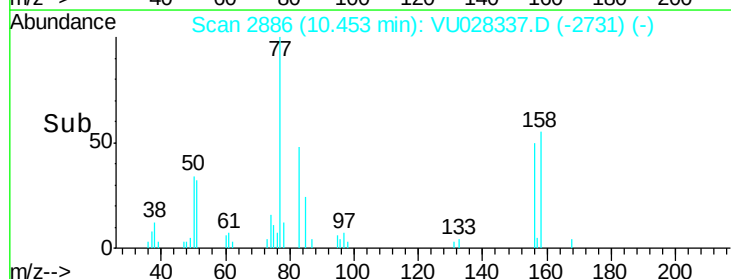
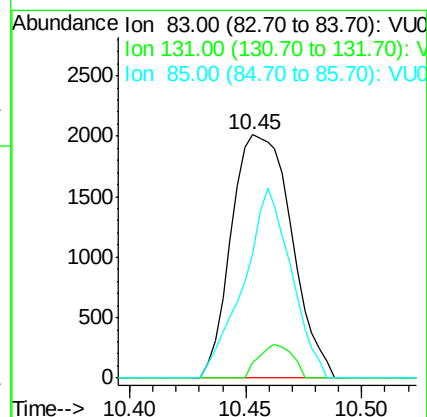
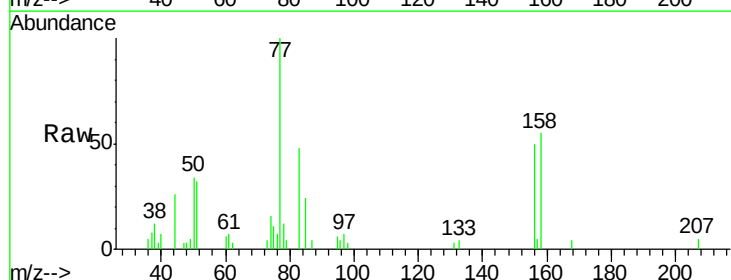
Tgt Ion: 83 Resp: 3619

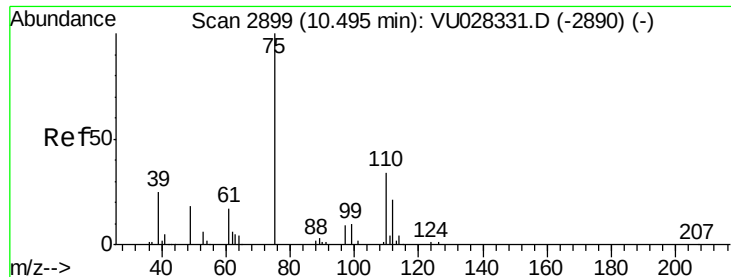
Ion Ratio Lower Upper

83 100

131 7.7 6.6 9.8

85 62.1 50.5 75.7





#71

1,2,3-Trichloropropane

Concen: 0.293 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

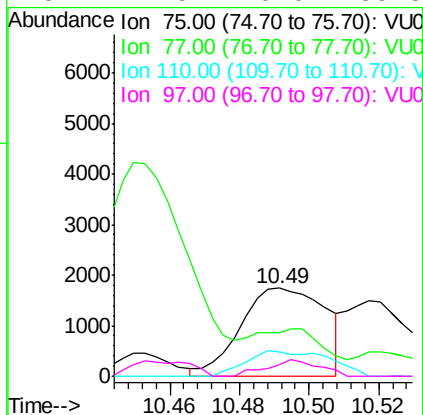
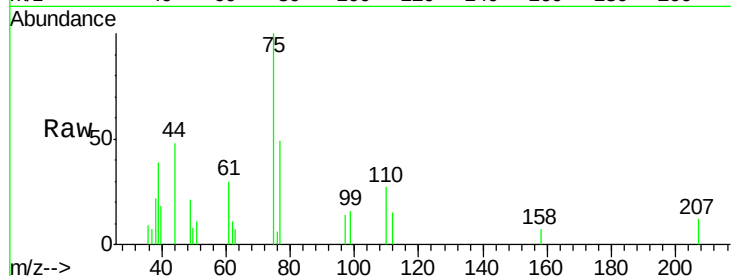
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	75	Resp:	2947
Ion Ratio	Lower	Upper	
75	100		
77	23.1	0.0	0.0#
110	28.1	0.0	67.6
97	11.5	0.0	35.8

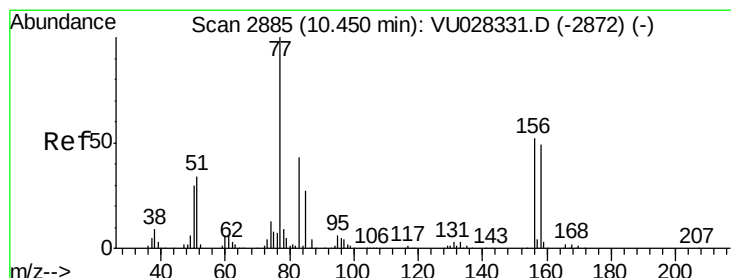
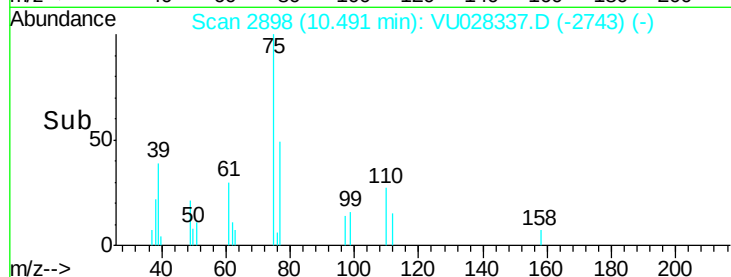
Manual Integrations
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#72

Bromobenzene

Concen: 0.246 ug/l

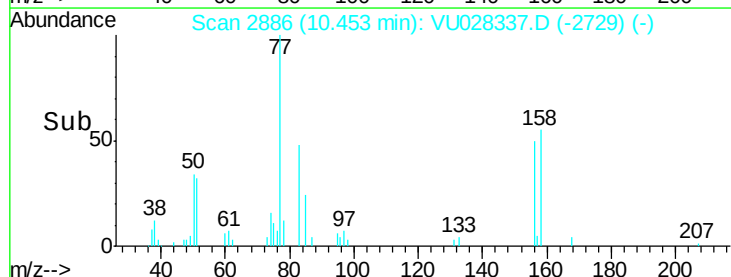
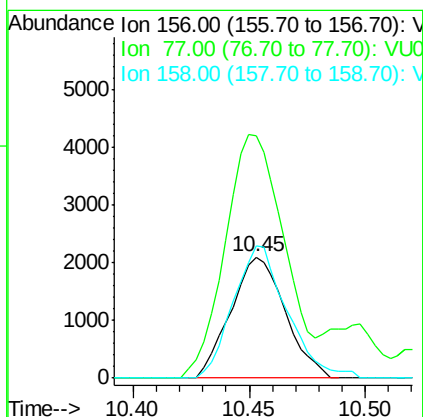
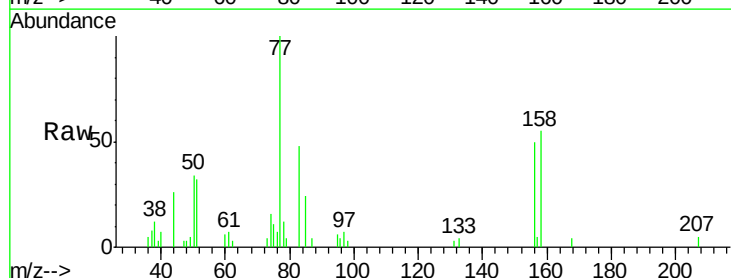
RT: 10.45 min Scan# 2886

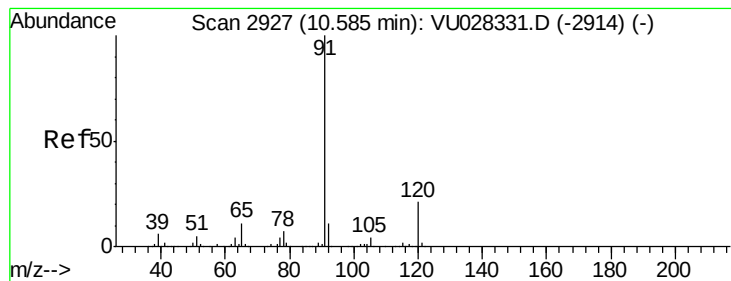
Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Tgt Ion:	156	Resp:	3436
Ion Ratio	Lower	Upper	
156	100		
77	217.5	0.0	380.4
158	107.7	0.0	191.2





#73

n-propylbenzene

Concen: 0.242 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:120 Resp: 3958

Ion Ratio Lower Upper

120 100

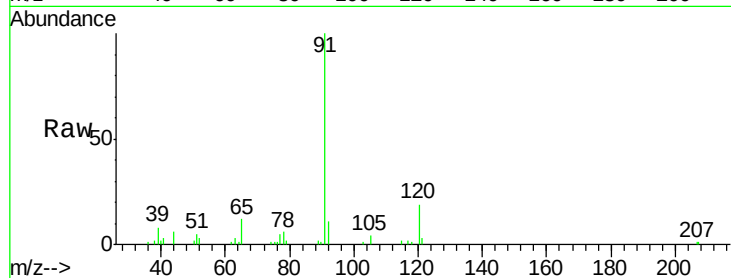
91 519.3 388.1 582.1

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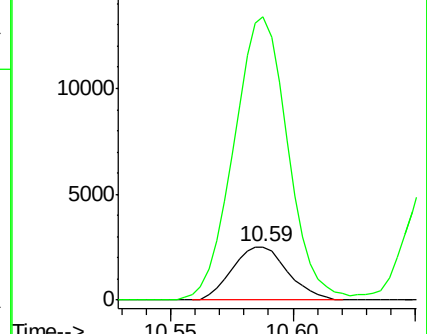
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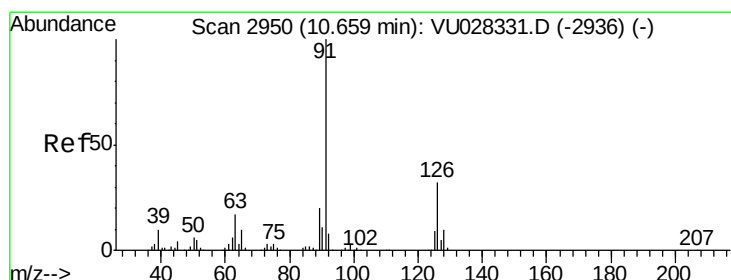
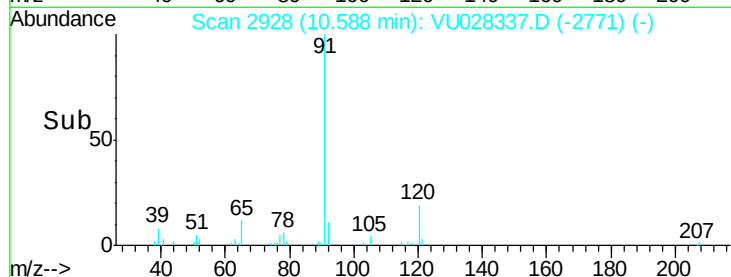
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 0.263 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028337.D

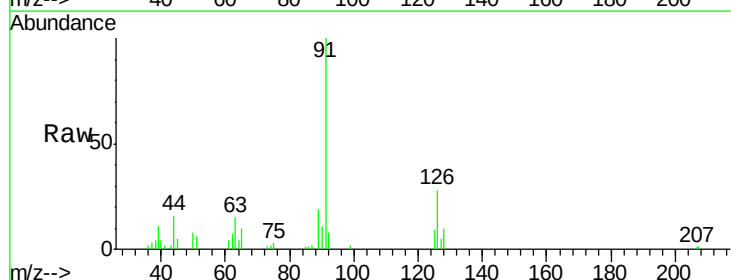
Acq: 26 Nov 2018 14:33

Tgt Ion:126 Resp: 3765

Ion Ratio Lower Upper

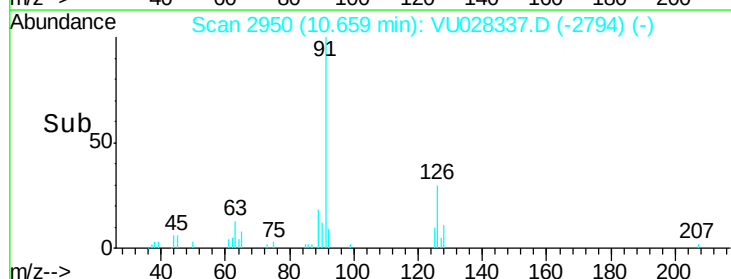
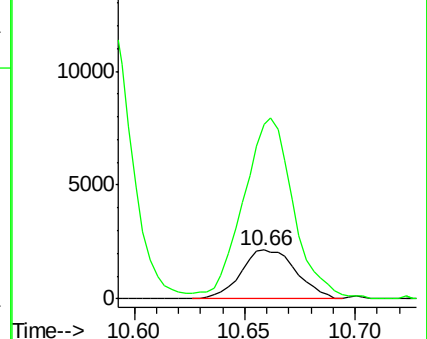
126 100

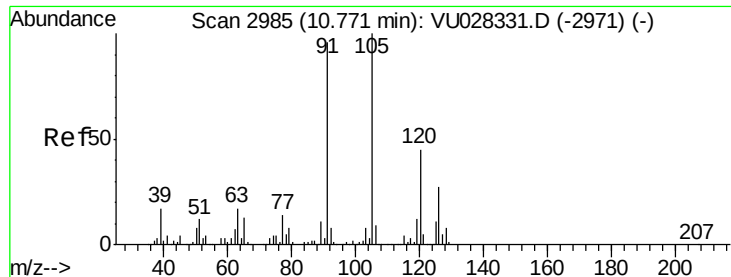
91 334.3 0.0 661.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.244 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:105 Resp: 12938

Ion Ratio Lower Upper

105 100

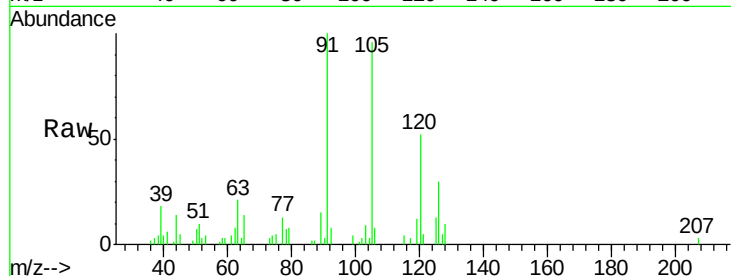
120 49.7 36.3 54.5

Manual Integrations

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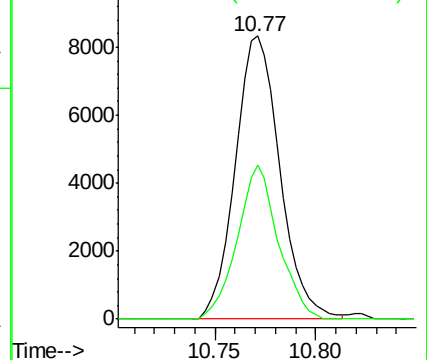
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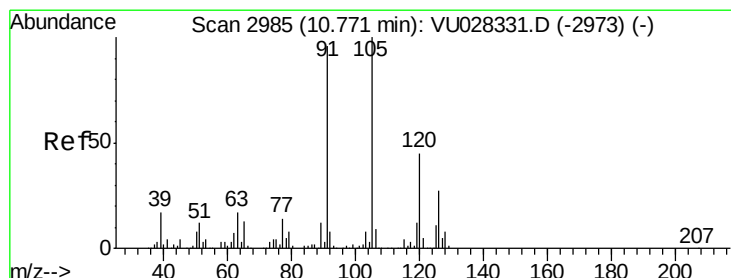
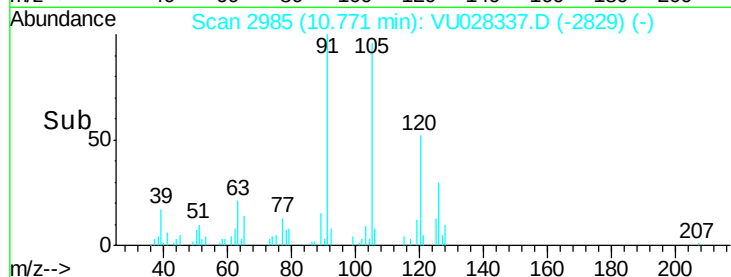
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#76

4-Chlorotoluene

Concen: 0.279 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028337.D

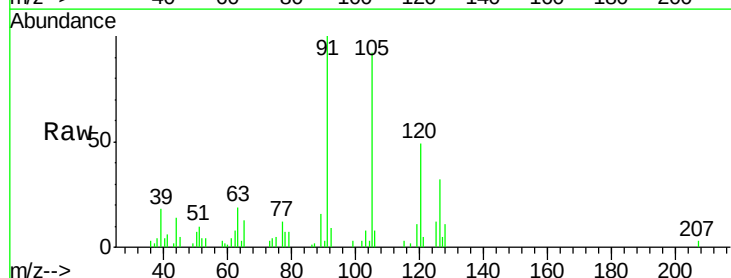
Acq: 26 Nov 2018 14:33

Tgt Ion:126 Resp: 4049

Ion Ratio Lower Upper

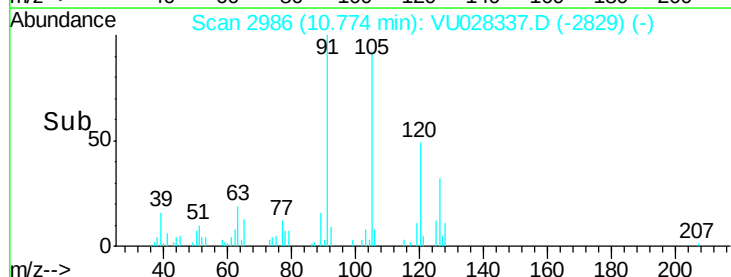
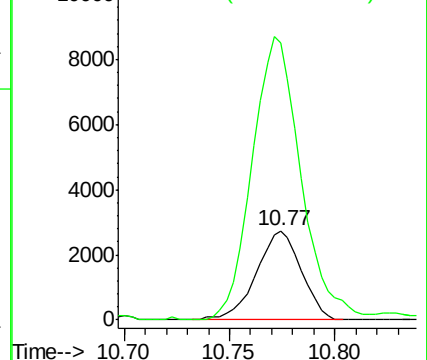
126 100

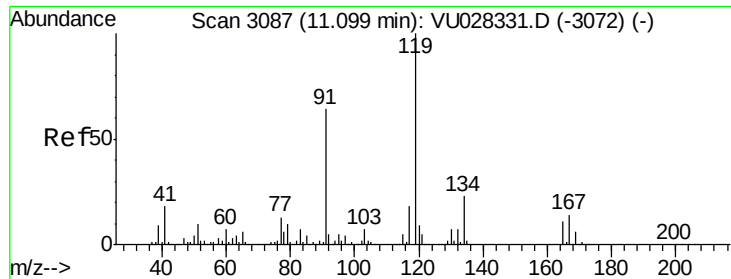
91 345.4 0.0 731.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





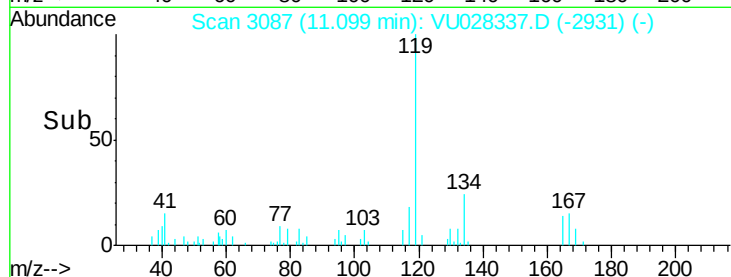
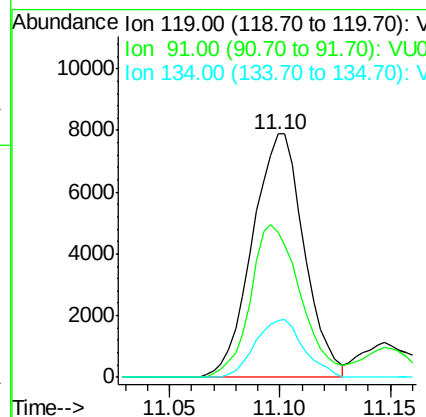
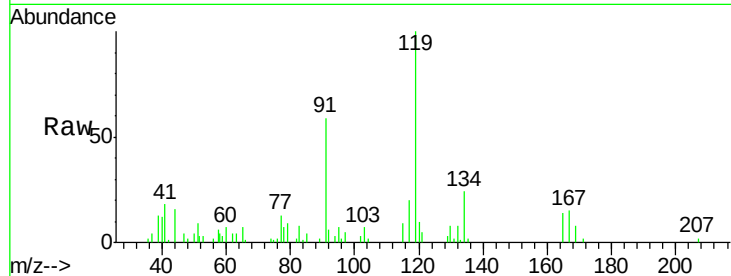
#77
 tert-Butylbenzene
 Concen: 0.257 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

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

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	12841		
91	60.7	32.0	96.0	
134	22.3	17.9	26.9	

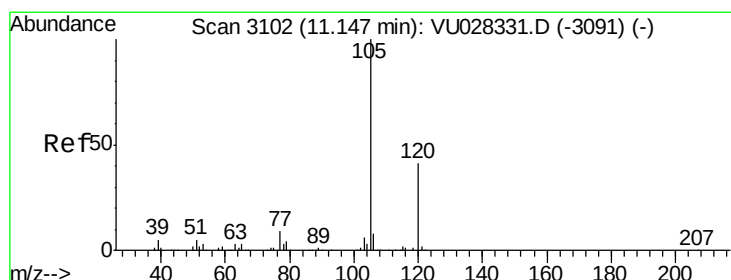
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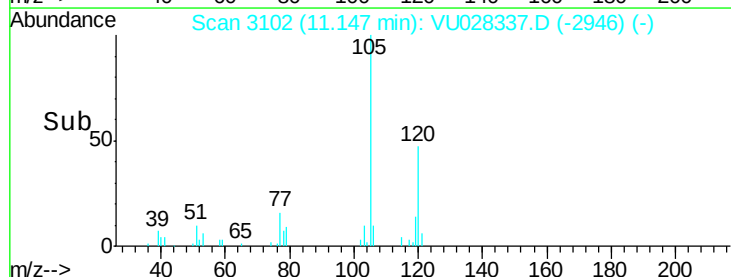
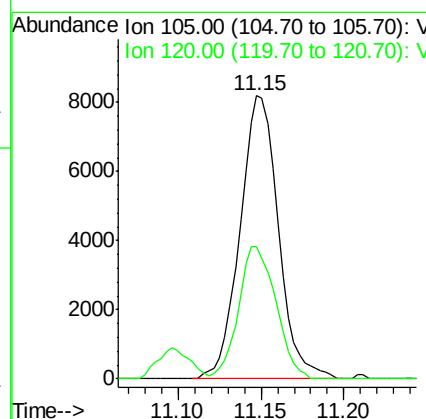
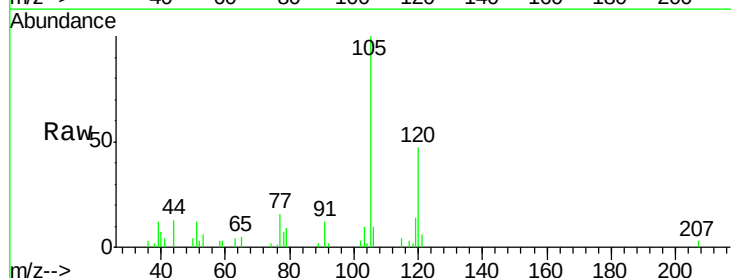
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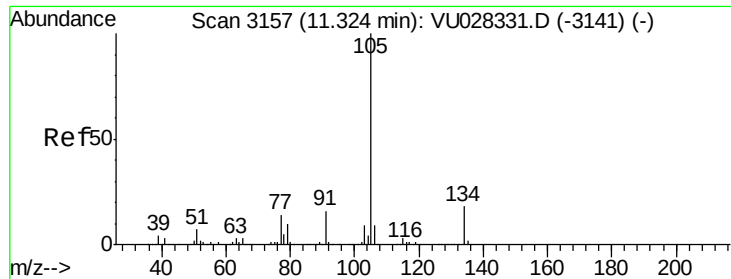
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#78
 1,2,4-Trimethylbenzene
 Concen: 0.243 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	13183		
120	45.6	21.9	65.8	





#79

sec-Butylbenzene

Concen: 0.256 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 105 Resp: 17792

Ion Ratio Lower Upper

105 100

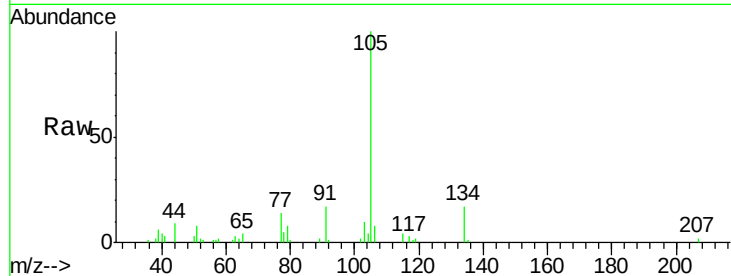
134 18.5 14.6 22.0

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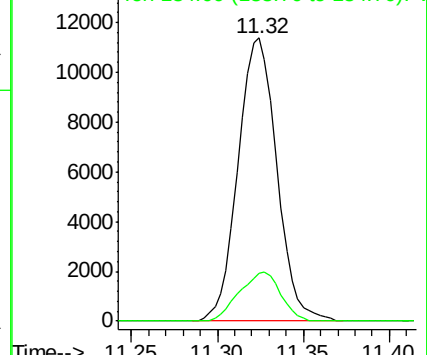
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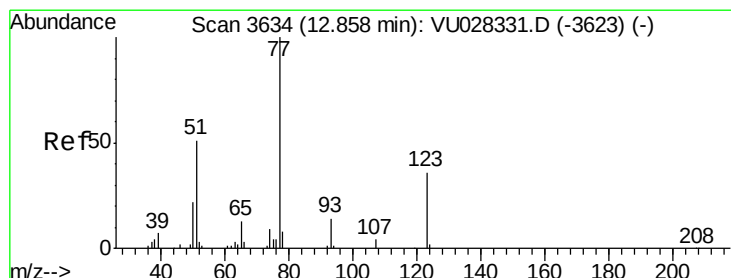
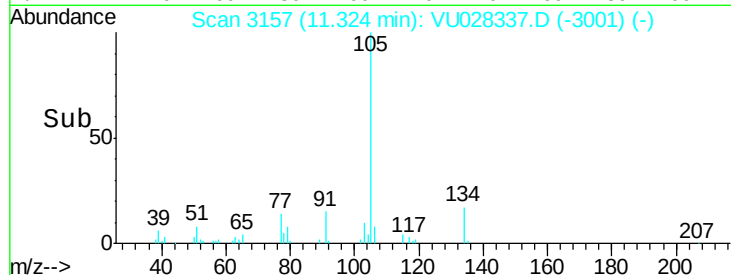
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



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#80

Nitrobenzene

Concen: 1.342 ug/l

RT: 12.87 min Scan# 3637

Delta R.T. 0.01 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

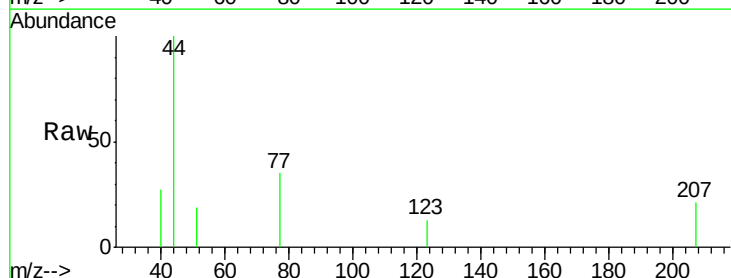
Tgt Ion: 77 Resp: 873

Ion Ratio Lower Upper

77 100

123 15.5 16.5 58.3#

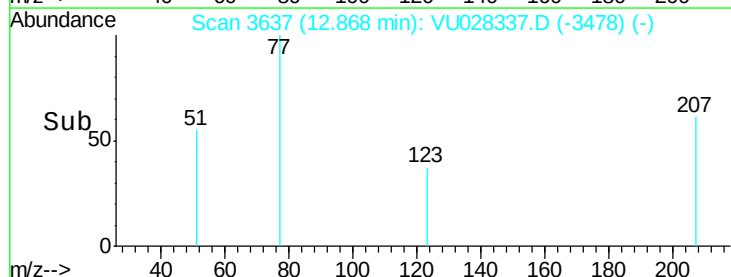
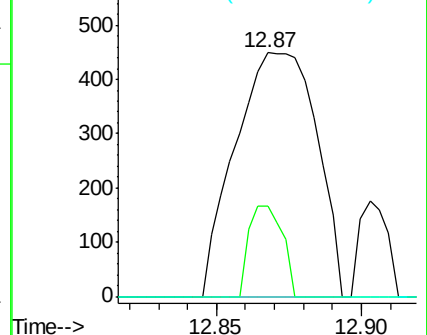
65 0.0 12.1 15.3#

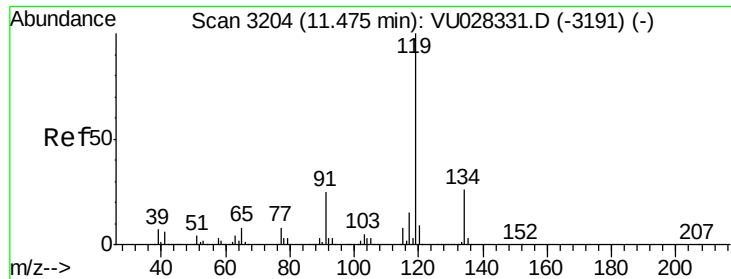


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





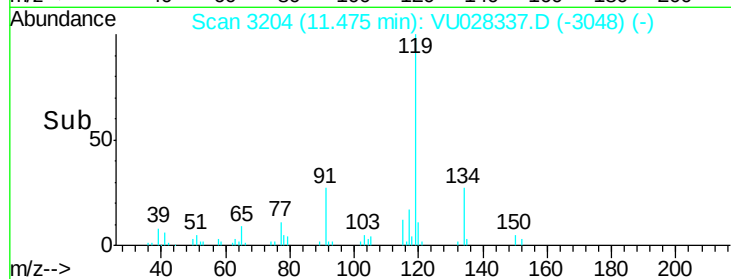
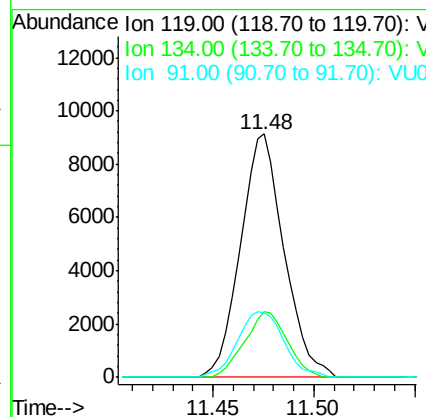
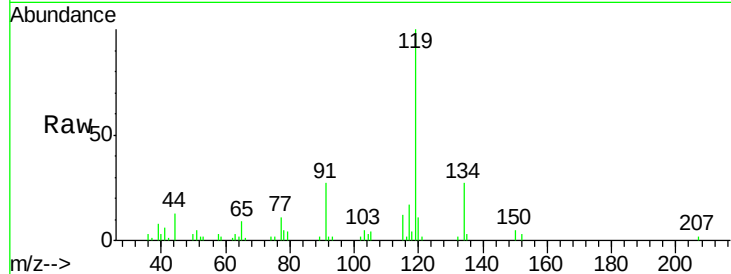
#81
p-Isopropyltoluene
Concen: 0.250 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

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

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	13813		
134	26.5		20.3	30.5
91	28.9		20.0	30.0

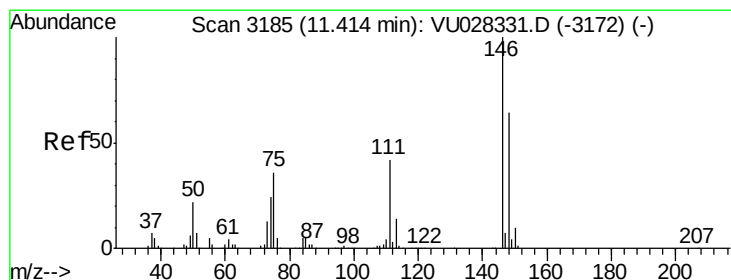
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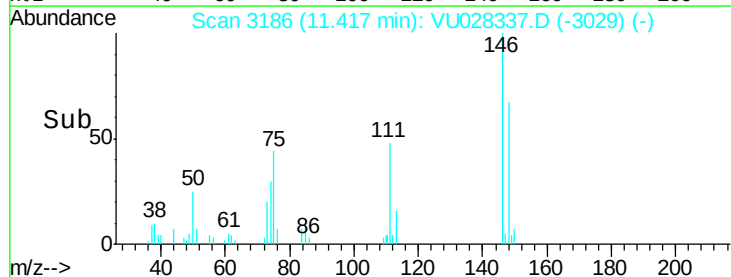
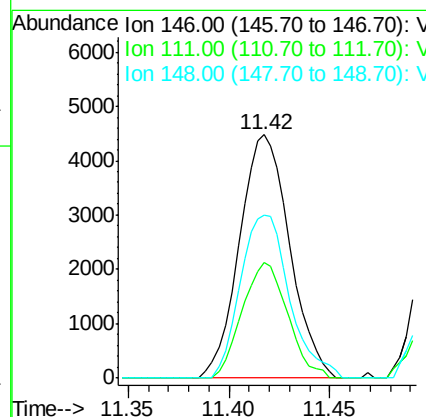
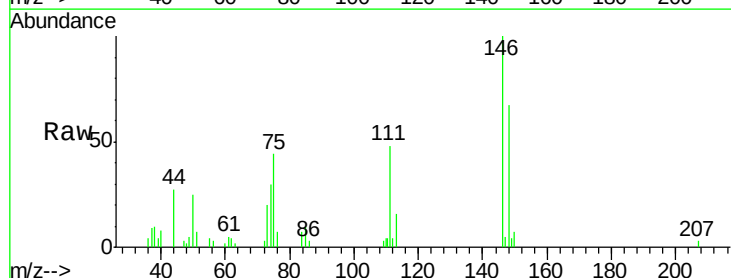
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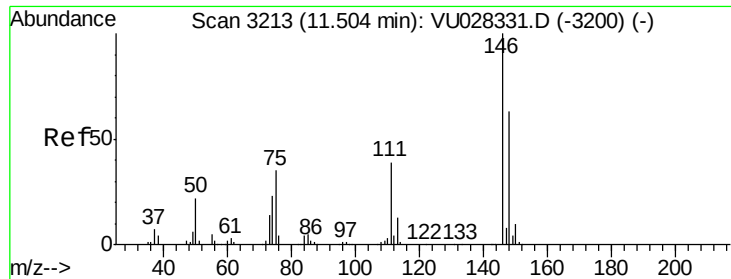
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#82
1,3-Dichlorobenzene
Concen: 0.278 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU028337.D
Acq: 26 Nov 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	7788		
111	43.1		33.4	50.2
148	65.7		51.2	76.8





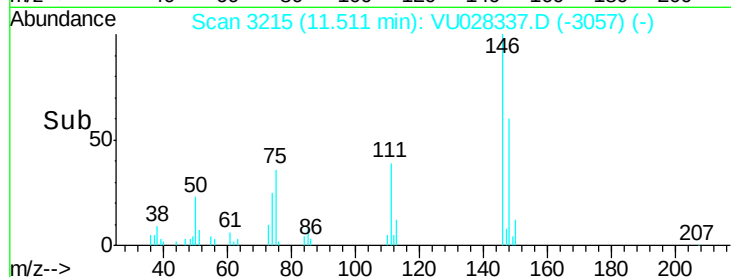
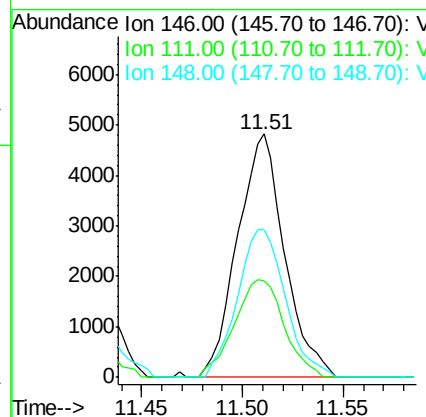
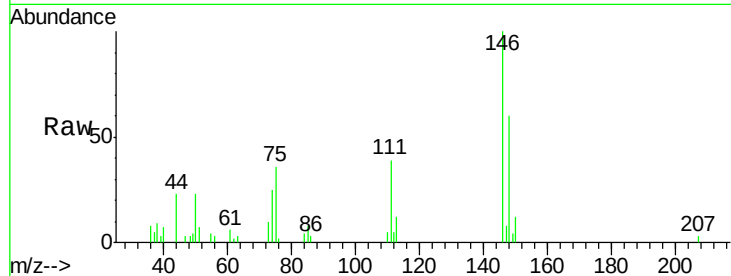
#83
 1,4-Dichlorobenzene
 Concen: 0.283 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.01 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

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

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	31.4	47.2
148	61.9	50.7	76.1

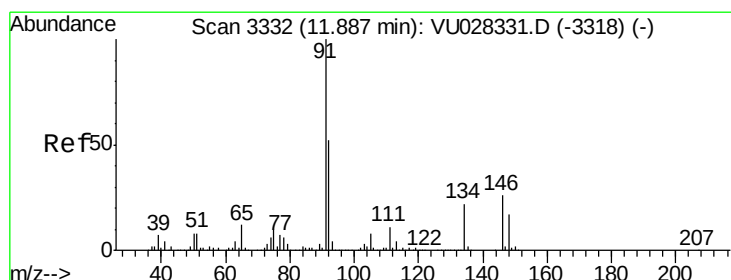
Manual Integrations
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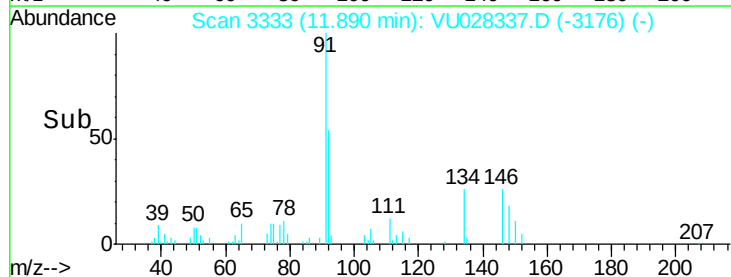
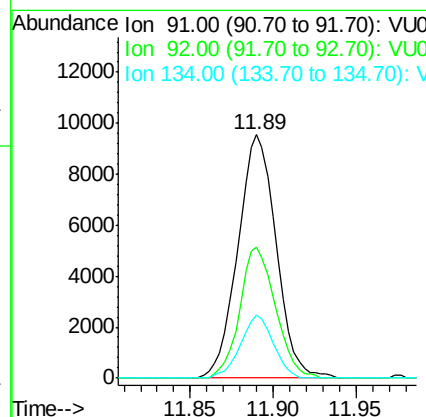
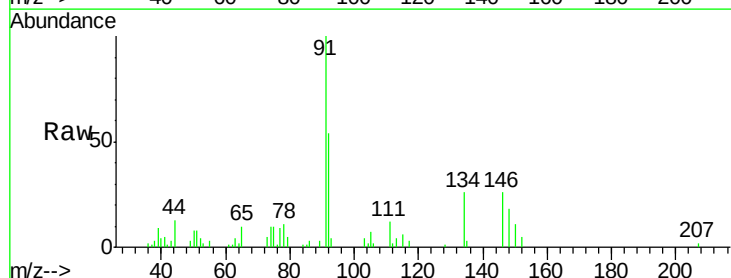
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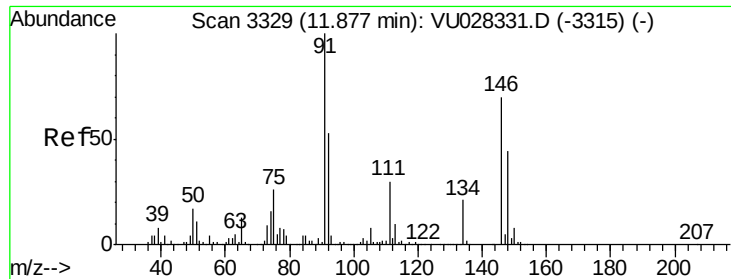
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#84
 n-Butylbenzene
 Concen: 0.264 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.3	41.6	62.4
134	22.0	17.8	26.6





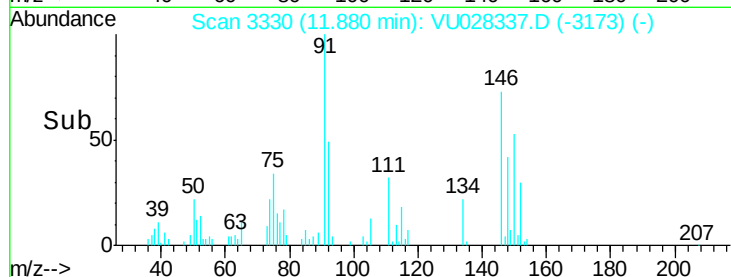
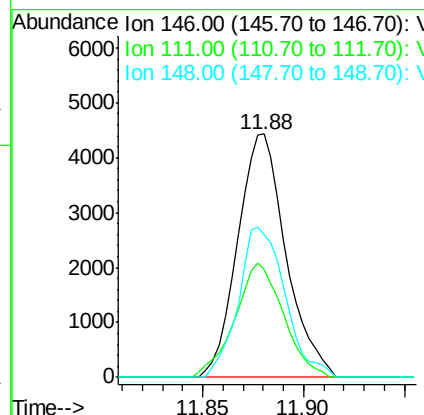
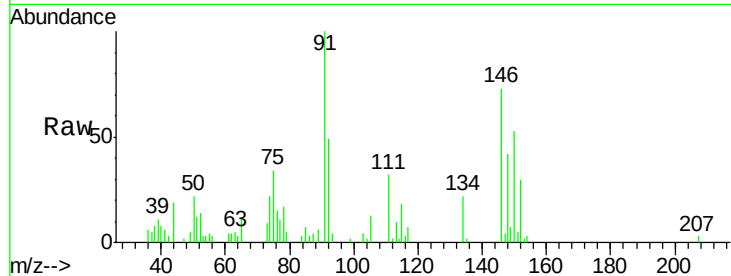
#85
 1,2-Dichlorobenzene
 Concen: 0.279 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

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

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	21.4	64.3
148	59.7	31.4	94.2

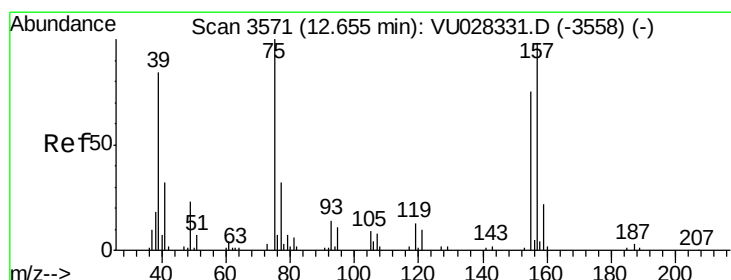
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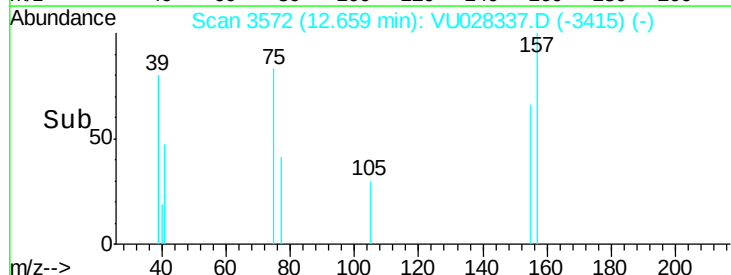
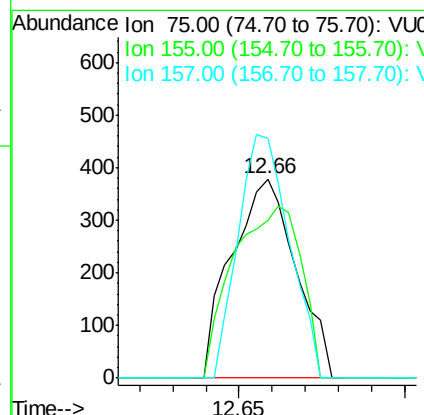
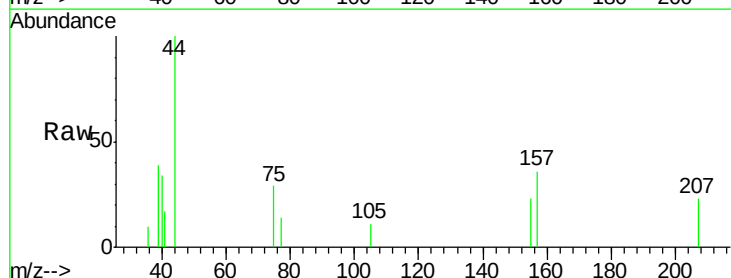
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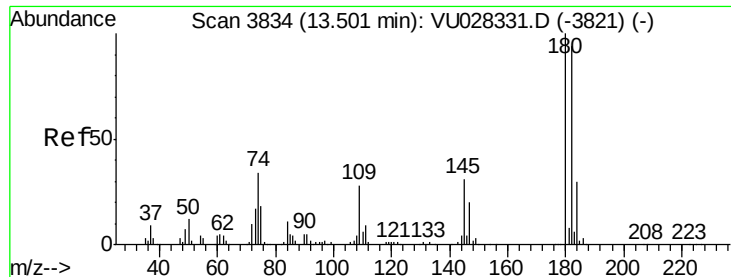
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.220 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU028337.D
 Acq: 26 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	57.0	85.4#
157	97.5	75.4	113.2





#87

1,2,4-Trichlorobenzene

Concen: 0.323 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

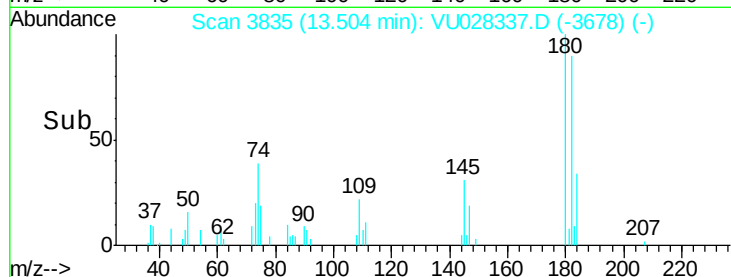
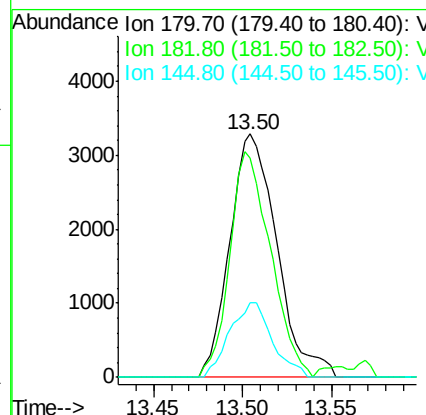
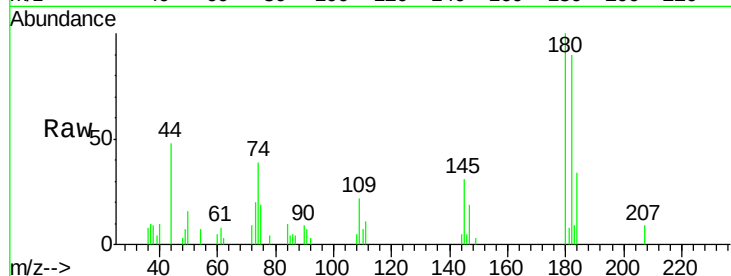
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	180	Resp:	6042
Ion Ratio	Lower	Upper	
180	100		
182	80.4	75.6	113.4
145	27.6	24.4	36.6

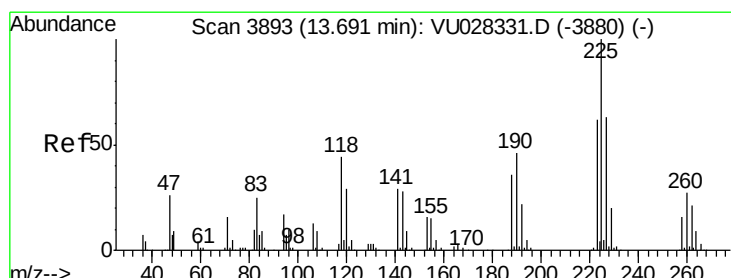
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#88

Hexachlorobutadiene

Concen: 0.313 ug/l

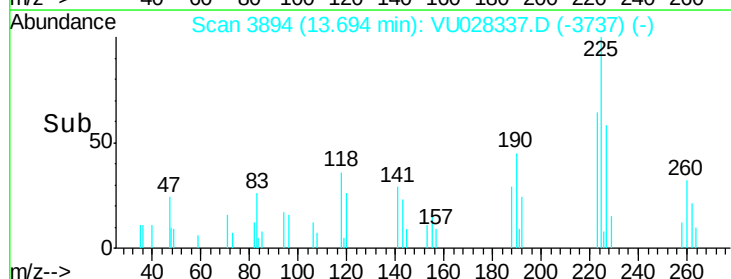
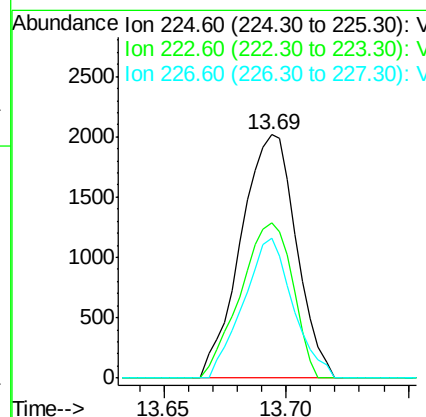
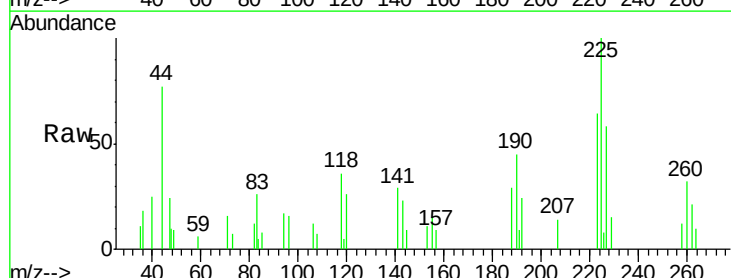
RT: 13.69 min Scan# 3894

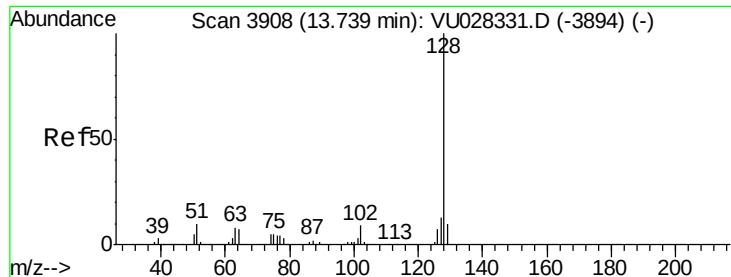
Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Tgt Ion:	225	Resp:	3177
Ion Ratio	Lower	Upper	
225	100		
223	60.1	50.6	76.0
227	51.3	50.8	76.2





#89

Naphthalene

Concen: 0.310 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Instrument :

MSVOA_U

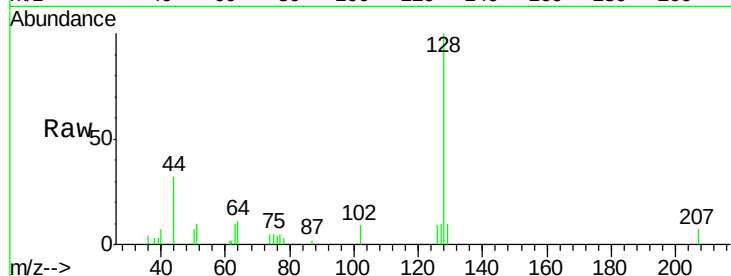
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

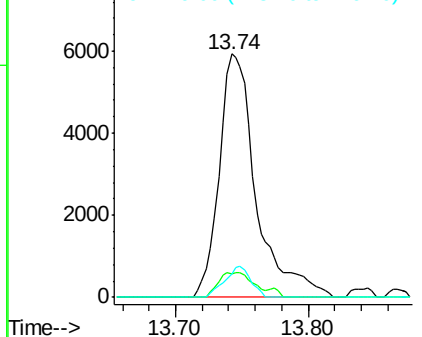
Tgt Ion:	128	Resp:	11480
Ion Ratio	Lower	Upper	
128	100		
127	9.3	10.3	15.5#
129	9.0	8.2	12.4

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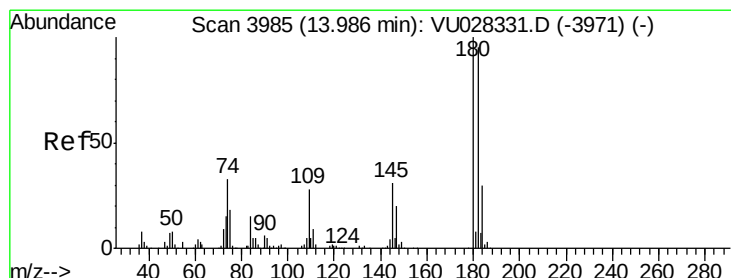
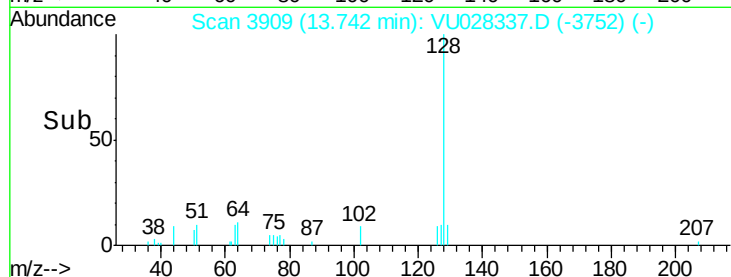


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



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#90

1,2,3-Trichlorobenzene

Concen: 0.285 ug/l

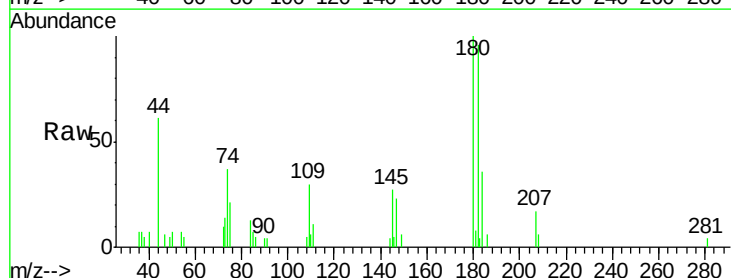
RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU028337.D

Acq: 26 Nov 2018 14:33

Tgt Ion:	180	Resp:	5041
Ion Ratio	Lower	Upper	
180	100		
182	100.1	76.1	114.1
145	28.9	26.0	39.0



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

