

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071119\
 Data File : VU033203.D
 Acq On : 11 Jul 2019 21:52
 Operator : JC/SP
 Sample : K3591-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 LOD-MDL-WATER-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 4:02:23 PM

Quant Time: Jul 12 05:54:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 12 05:48:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	28139	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	9710	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	10679	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	2972	0.270	ug/l	94
3) Chloromethane	1.32	50	3714	0.289	ug/l	99
4) Vinyl Chloride	1.40	62	3663	0.277	ug/l #	86
5) Bromomethane	1.62	94	3009	0.364	ug/l	94
6) Chloroethane	1.69	64	2410	0.297	ug/l	94
7) Trichlorofluoromethane	1.88	101	5159	0.288	ug/l	87
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	2785	0.303	ug/l	98
9) 1,1-Dichloroethene	2.27	96	2986	0.322	ug/l	83
10) Iodomethane	2.40	142	2335	0.238	ug/l	95
11) Allyl Chloride	2.58	41	4761	0.307	ug/l	92
12) Acrylonitrile	2.92	53	1867	0.726	ug/l #	92
13) Acetone	2.31	43	3623	1.572	ug/l	98
14) Carbon Disulfide	2.46	76	10536	0.311	ug/l	98
15) Methylene Chloride	2.68	84	5820	0.469	ug/l	96
16) trans-1,2-Dichloroethene	2.96	96	3136	0.295	ug/l	94
17) 1,1-Dichloroethane	3.42	63	4550	0.295	ug/l	97
18) 2-Butanone	4.27	43	2287	0.993	ug/l	89
19) Cyclohexane	4.97	56	3123m	0.265	ug/l	
20) Methylcyclohexane	6.39	83	2698	0.218	ug/l #	86
21) 2,2-Dichloropropane	4.20	77	3432	0.265	ug/l #	71
22) cis-1,2-Dichloroethene	4.20	96	2566	0.291	ug/l	92
23) Diethyl Ether	2.09	59	2199	0.272	ug/l #	78
24) tert-Butyl Alcohol	2.82	59	3097	3.140	ug/l	97
25) Methyl tert-Butyl Ether	2.98	73	7470	0.276	ug/l	93
26) Bromochloromethane	4.53	128	1016	0.260	ug/l	89
27) Chloroform	4.65	83	6252	0.367	ug/l	92
28) 1,1,1-Trichloroethane	4.89	97	3870	0.287	ug/l	97
29) 1,1-Dichloropropene	5.11	75	2940	0.258	ug/l	98
30) Carbon Tetrachloride	5.11	117	3239	0.272	ug/l	98
31) Isopropyl Ether	3.56	45	5846	0.282	ug/l	99
32) Ethyl-t-butyl ether	4.04	59	5544	0.274	ug/l	97
33) Tert-Amyl methyl ether	5.57	73	4589	0.246	ug/l	99
34) Propionitrile	4.33	54	509m	0.780	ug/l	
35) Benzene	5.37	78	9418	0.284	ug/l	95
36) 1,2-Dichloroethane	5.38	62	2552	0.238	ug/l #	84
37) Trichloroethene	6.17	130	2546	0.294	ug/l	83
38) 1,2-Dichloropropane	6.41	63	2539	0.283	ug/l	93
41) Tetrahydrofuran	4.63	42	828m	0.584	ug/l	
42) 1-Chlorobutane	5.04	56	4127	0.267	ug/l	91
43) Dibromomethane	6.55	93	1334	0.278	ug/l #	84
44) Bromodichloromethane	6.74	83	3536	0.299	ug/l #	98

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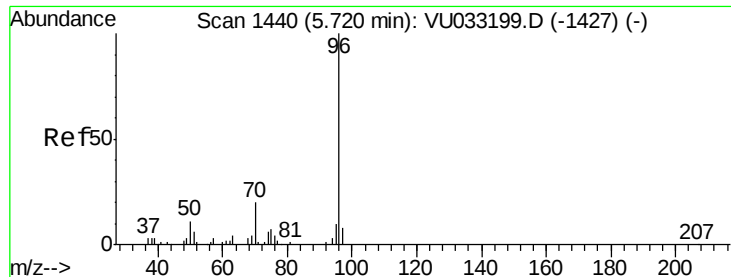
Manual Integrations
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Quant Time: Jul 12 05:54:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.45	43	6310	1.168	ug/l	93
46) t-1,4-Dichloro-2-butene	10.51	75	793m	0.345	ug/l	
47) Methyl methacrylate	6.62	69	1662	0.428	ug/l	65
48) Ethyl methacrylate	8.01	69	1718	0.235	ug/l	89
49) Toluene	7.62	92	4421	0.226	ug/l	88
50) t-1,3-Dichloropropene	7.87	75	2465	0.235	ug/l	96
51) cis-1,3-Dichloropropene	7.25	75	2892	0.239	ug/l	94
52) 1,1,2-Trichloroethane	8.05	97	1612	0.242	ug/l #	87
53) 1,3-Dichloropropane	8.23	76	2886	0.256	ug/l	98
54) 2-Hexanone	8.36	43	4500	1.192	ug/l	89
55) Dibromochloromethane	8.46	129	2022	0.262	ug/l	96
56) 1,2-Dibromoethane	8.57	107	1535	0.249	ug/l	99
58) Tetrachloroethene	8.21	164	2247	0.284	ug/l	96
59) Chlorobenzene	9.11	112	5763	0.262	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	2130	0.263	ug/l	99
61) Pentachloroethane	11.08	117	1761	0.276	ug/l	87
62) Hexachloroethane	12.13	117	1535	0.248	ug/l	96
63) Ethyl Benzene	9.23	91	8703	0.242	ug/l	95
64) m/p-Xylenes	9.36	106	6501	0.463	ug/l	92
65) o-Xylene	9.76	106	2891	0.212	ug/l	96
67) Bromoform	9.95	173	1083	0.247	ug/l #	80
69) Isopropylbenzene	10.15	105	7976	0.225	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.44	83	2318	0.256	ug/l #	98
71) 1,2,3-Trichloropropane	10.48	75	1631m	0.240	ug/l	
72) Bromobenzene	10.44	156	2572	0.279	ug/l	86
74) 2-Chlorotoluene	10.65	126	1910	0.210	ug/l	76
75) 1,3,5-Trimethylbenzene	10.76	105	6736	0.219	ug/l	100
76) 4-Chlorotoluene	10.76	126	2118	0.229	ug/l	99
77) tert-Butylbenzene	11.09	119	6702	0.226	ug/l	94
78) 1,2,4-Trimethylbenzene	11.13	105	6946	0.221	ug/l	91
79) sec-Butylbenzene	11.31	105	8528	0.210	ug/l	98
82) 1,3-Dichlorobenzene	11.40	146	4801	0.253	ug/l	97
83) 1,4-Dichlorobenzene	11.49	146	4973	0.260	ug/l	97
84) n-Butylbenzene	11.87	91	7398	0.225	ug/l	94
85) 1,2-Dichlorobenzene	11.86	146	4695	0.258	ug/l	95
86) 1,2-Dibromo-3-Chloropropan	12.64	75	450	0.313	ug/l #	58
87) 1,2,4-Trichlorobenzene	13.49	180	2712	0.242	ug/l	99
88) Hexachlorobutadiene	13.68	225	1930	0.298	ug/l	95
89) Naphthalene	13.74	128	4571	0.224	ug/l #	96
90) 1,2,3-Trichlorobenzene	13.98	180	2570	0.240	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VU033203.D

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Instrument :

MSVOA_U

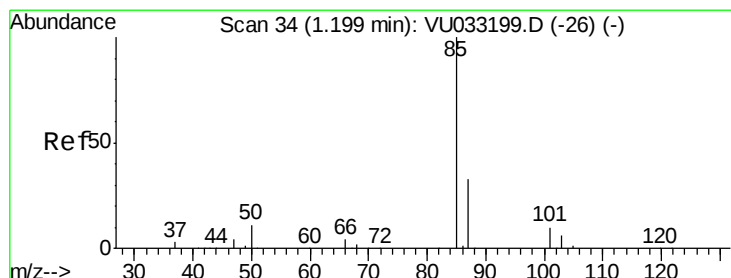
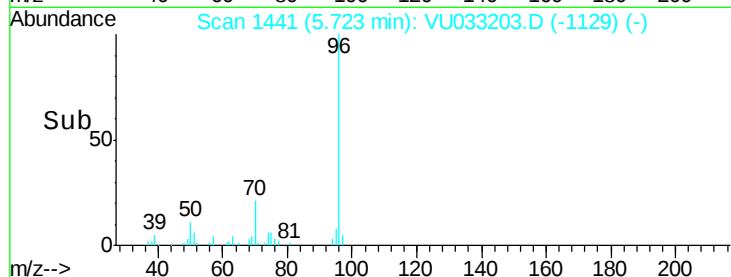
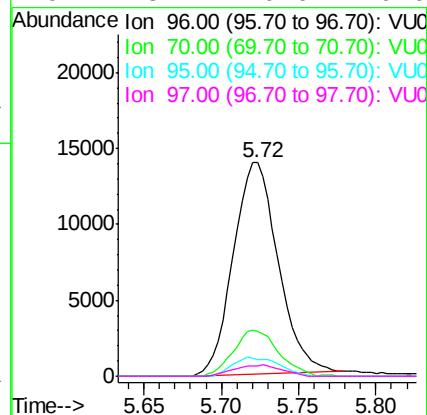
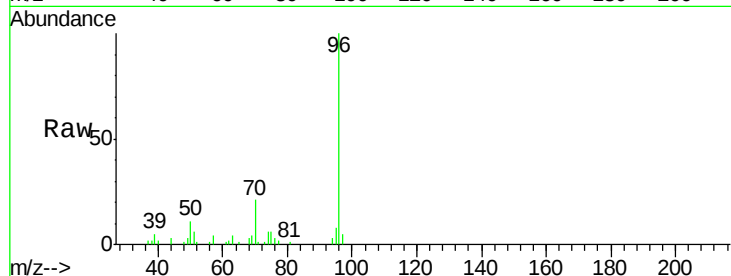
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		28139		
70	21.7	16.2	24.4		
95	9.4	7.8	11.8		
97	5.7	0.0	0.0		

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#2

Dichlorodifluoromethane

Concen: 0.270 ug/l

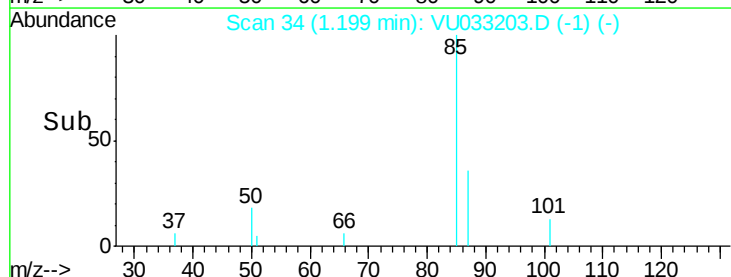
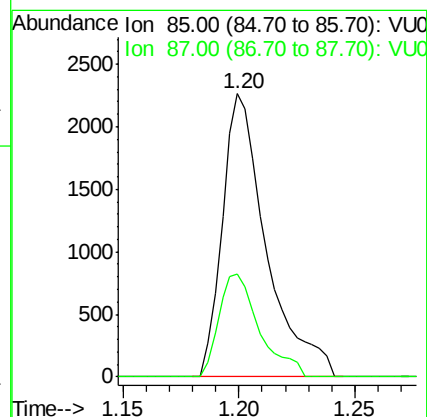
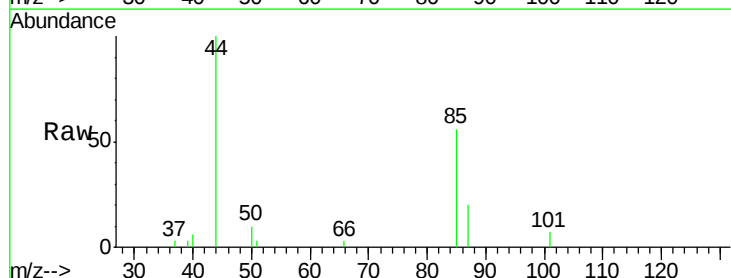
RT: 1.20 min Scan# 34

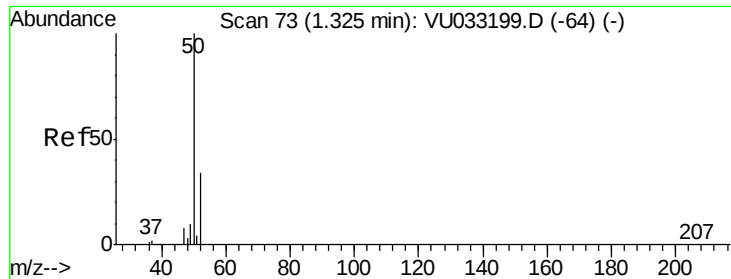
Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		2972		
87	36.3	16.4	49.1		





#3

Chloromethane

Concen: 0.289 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 50 Resp: 3714

Ion Ratio Lower Upper

50 100

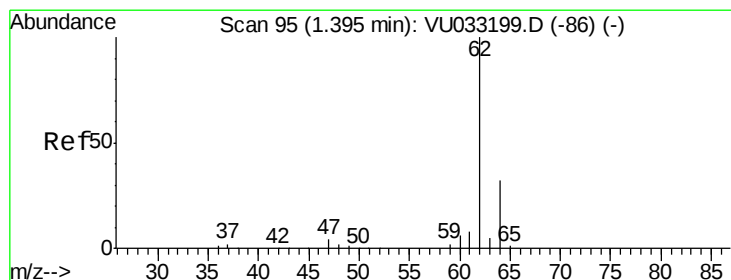
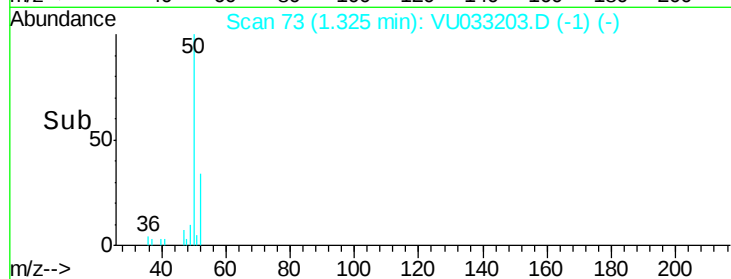
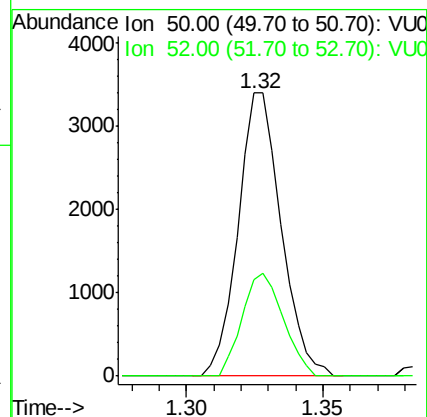
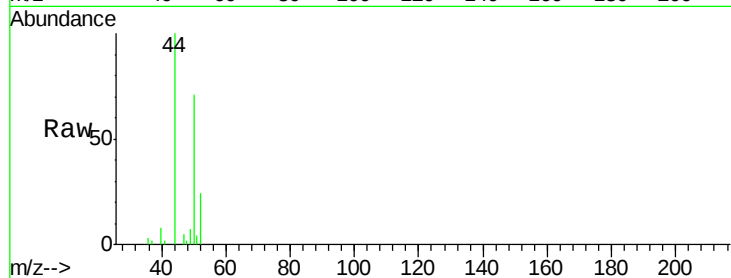
52 34.1 27.0 40.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.277 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033203.D

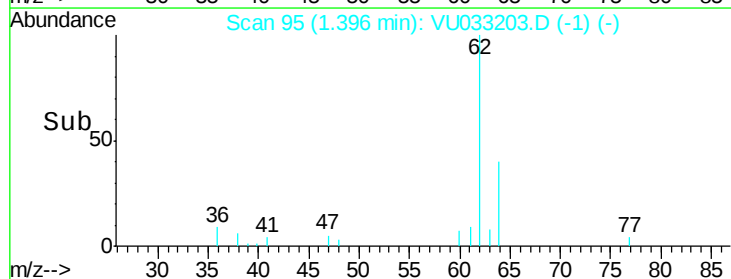
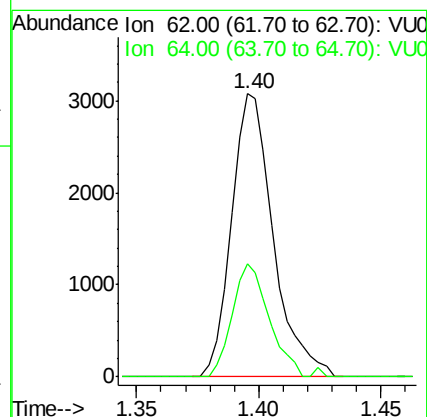
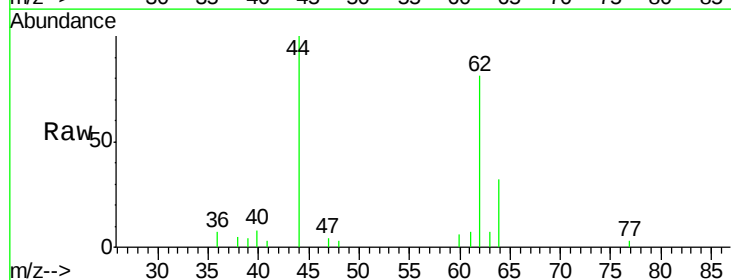
Acq: 11 Jul 2019 21:52

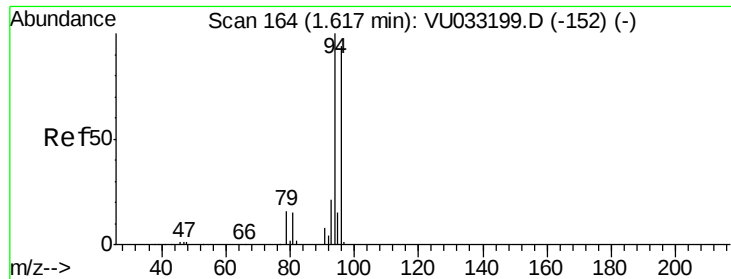
Tgt Ion: 62 Resp: 3663

Ion Ratio Lower Upper

62 100

64 40.1 25.7 38.5#





#5

Bromomethane

Concen: 0.364 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 94 Resp: 3009

Ion Ratio Lower Upper

94 100

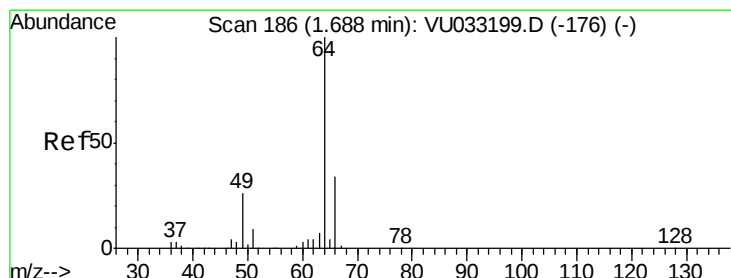
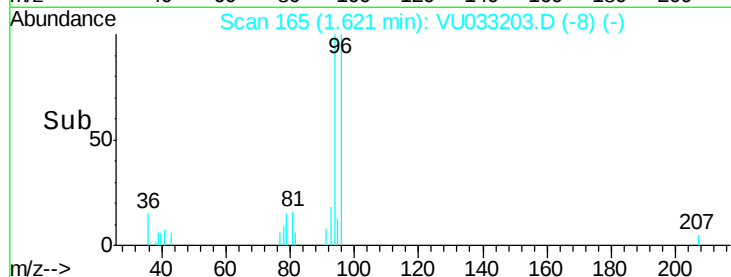
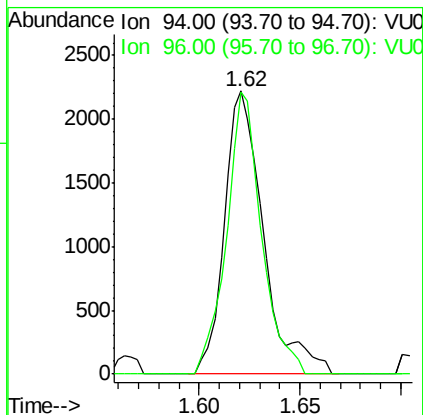
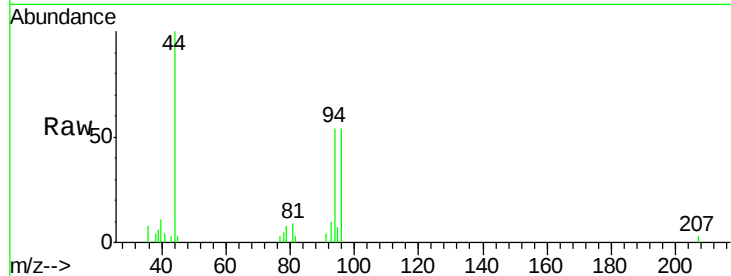
96 99.7 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 0.297 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033203.D

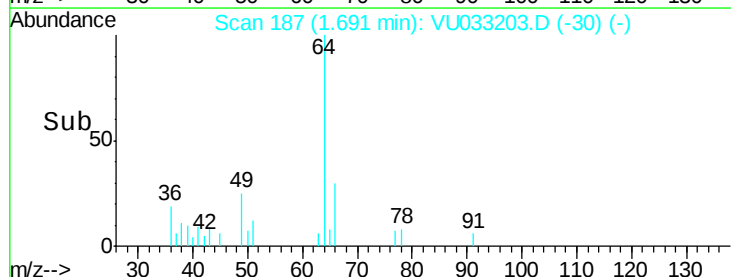
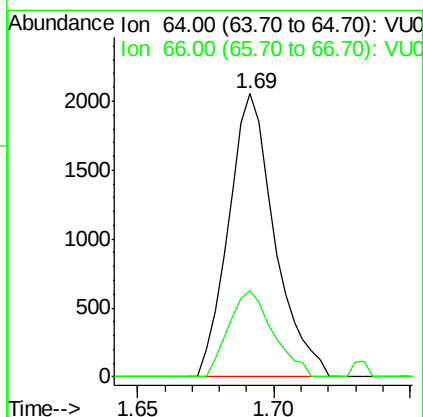
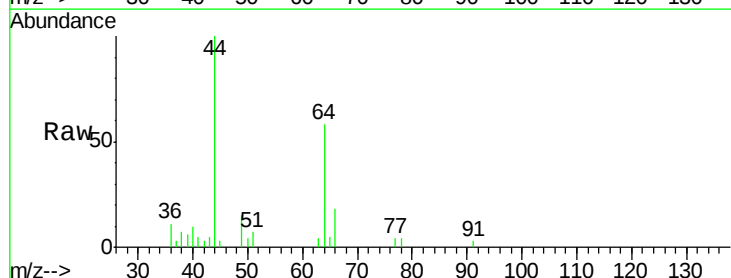
Acq: 11 Jul 2019 21:52

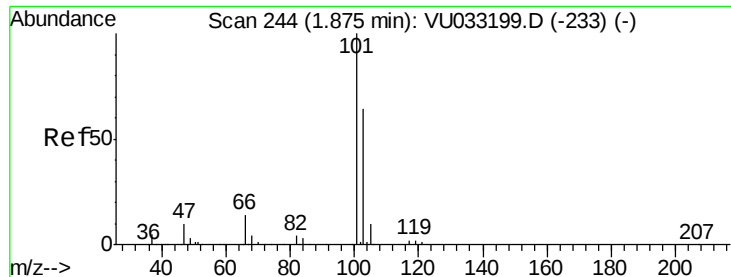
Tgt Ion: 64 Resp: 2410

Ion Ratio Lower Upper

64 100

66 30.3 27.0 40.4





#7

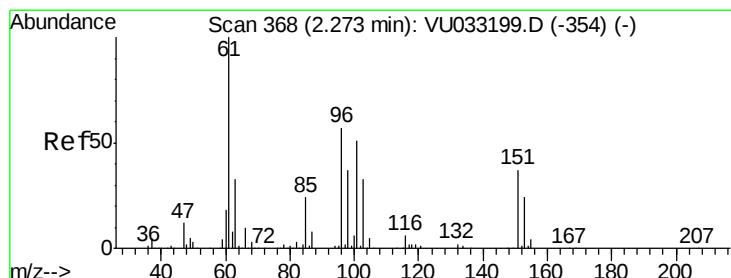
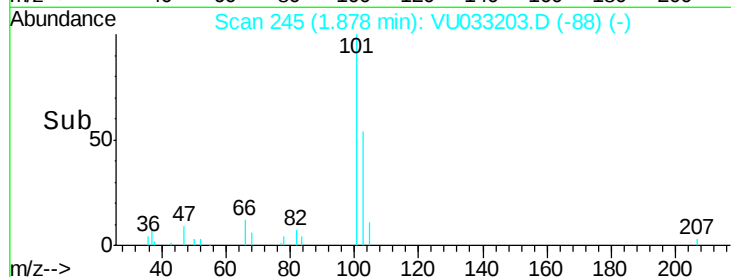
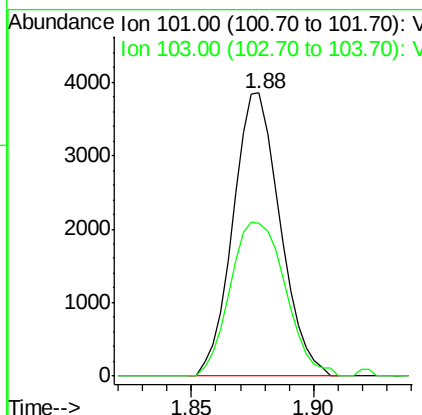
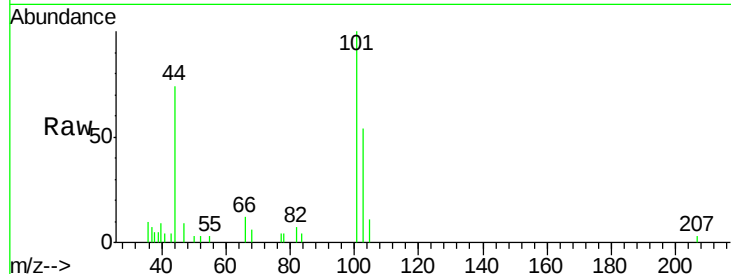
Trichlorofluoromethane
 Concen: 0.288 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
101	100		
103	54.0	51.0	76.6

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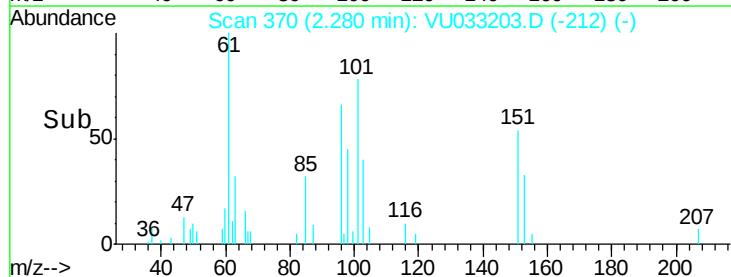
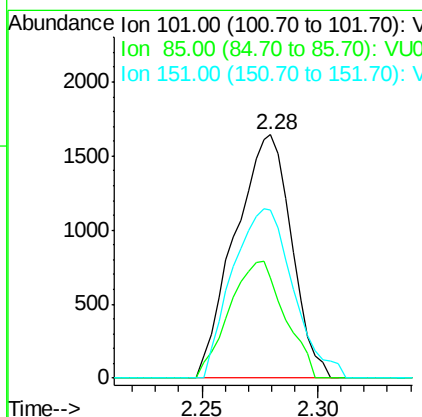
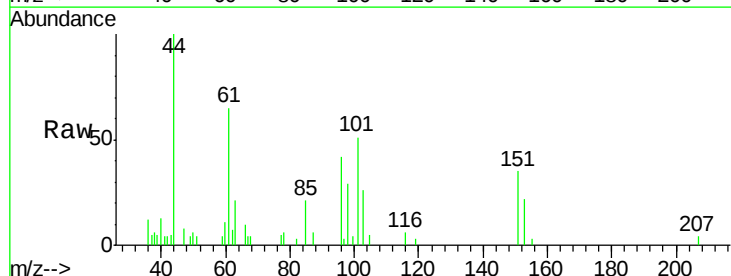
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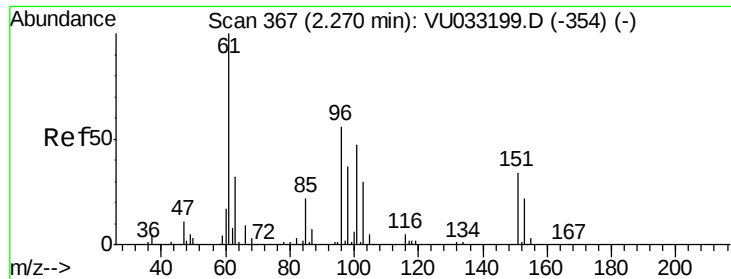


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.303 ug/l
 RT: 2.28 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.9	37.7	56.5
151	74.9	58.2	87.2





#9

1,1-Dichloroethene

Concen: 0.322 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

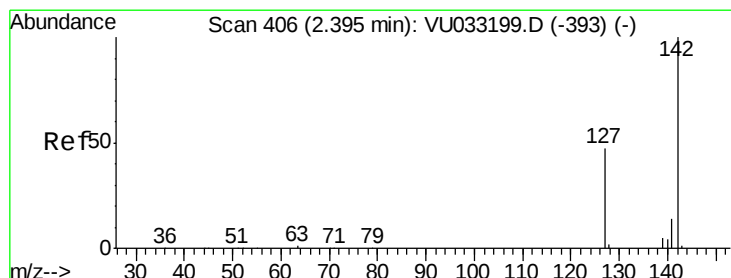
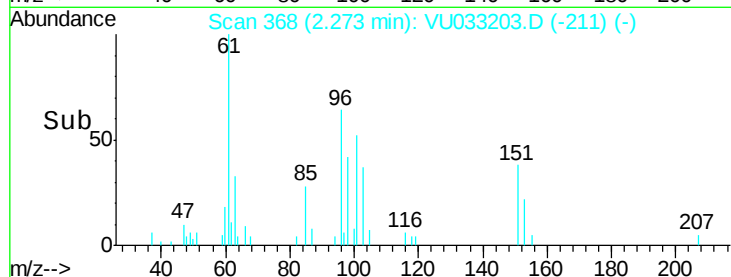
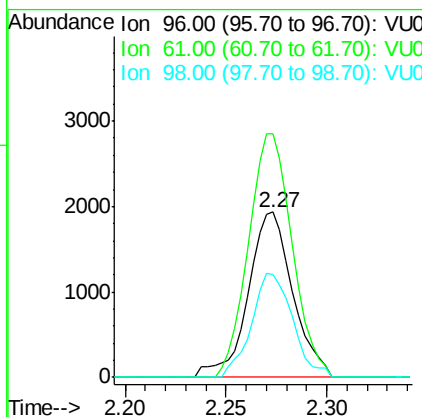
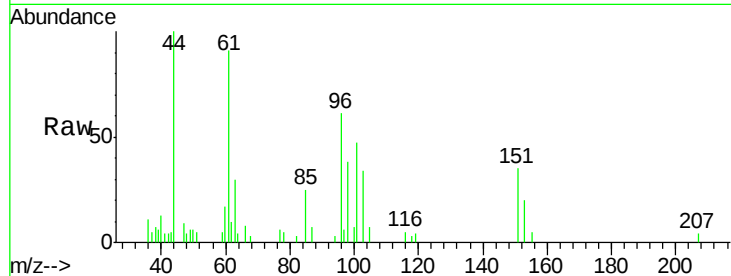
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	96	Resp:	2986
Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	533.7
98	62.1	0.0	129.8

Manual Integrations
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#10

Iodomethane

Concen: 0.238 ug/l

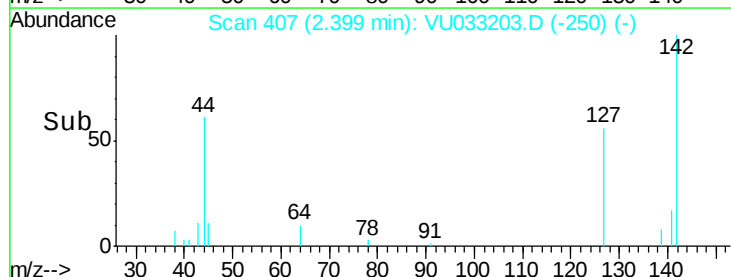
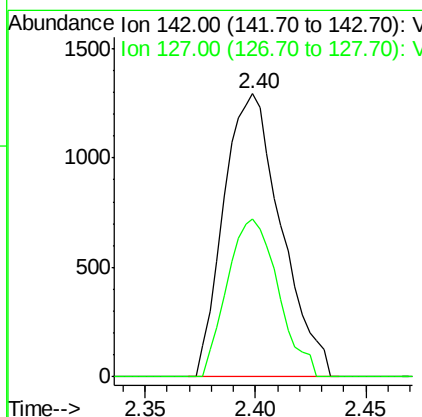
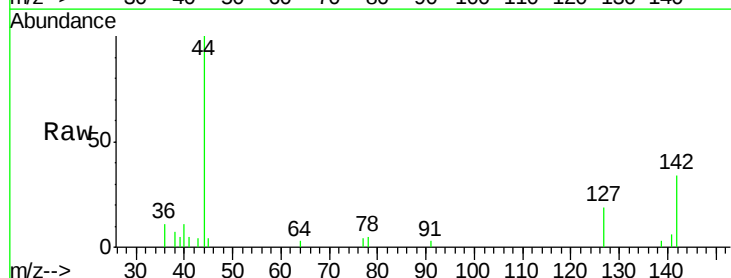
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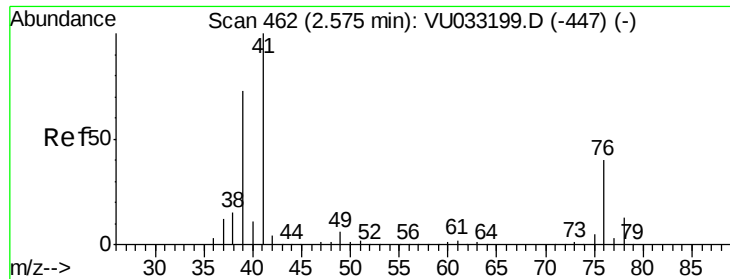
Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Tgt Ion:	142	Resp:	2335
Ion	Ratio	Lower	Upper
142	100		
127	49.5	37.0	55.4





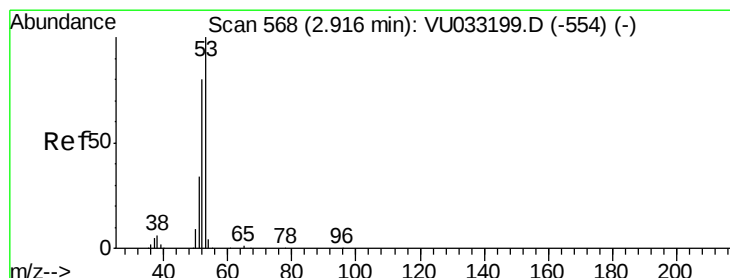
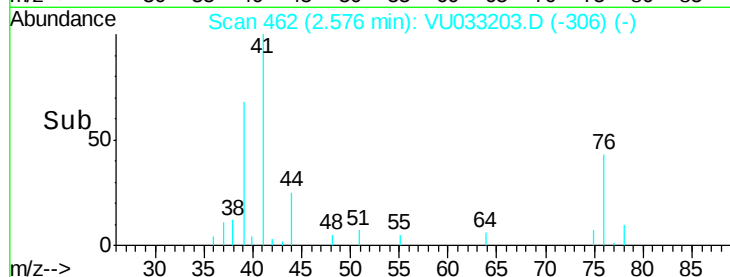
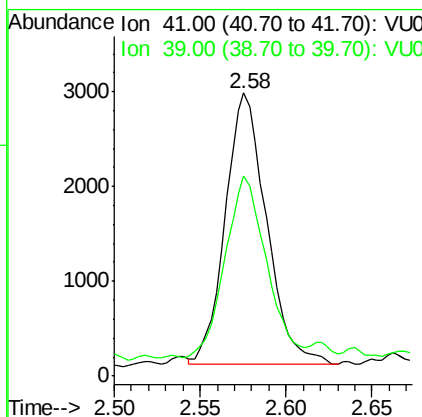
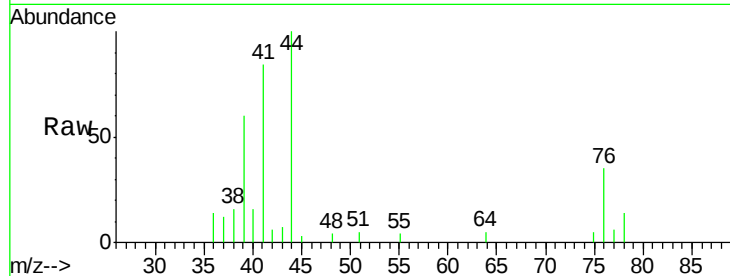
#11
Allvl Chloride
Concen: 0.307 ug/l
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 41 Resp: 4761
Ion Ratio Lower Upper
41 100
39 66.8 58.7 88.1

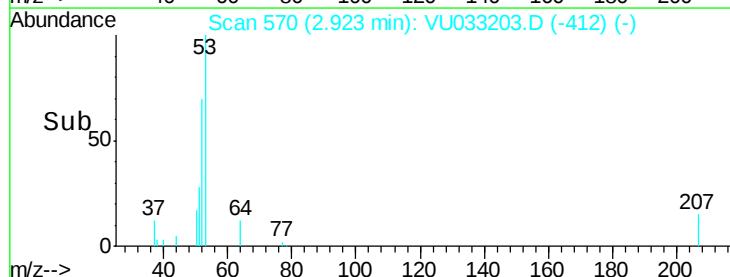
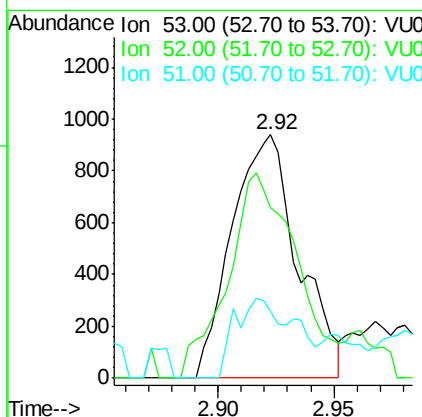
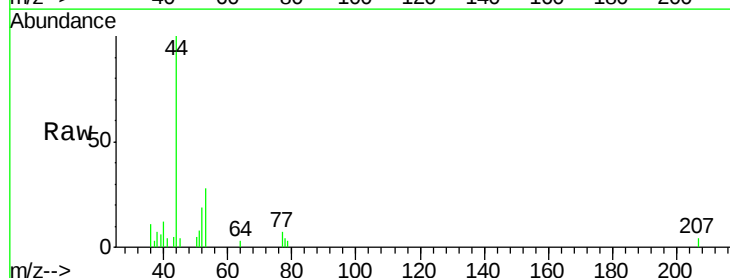
Manual Integrations
APPROVED

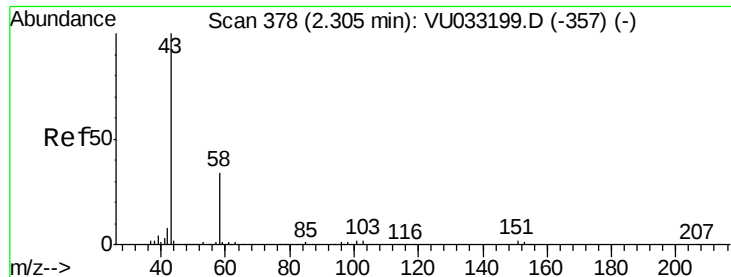
MMDadoda
7/16/2019 4:02:23 PM



#12
Acrylonitrile
Concen: 0.726 ug/l
RT: 2.92 min Scan# 570
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion: 53 Resp: 1867
Ion Ratio Lower Upper
53 100
52 87.0 68.3 102.5
51 22.0 28.7 43.1#





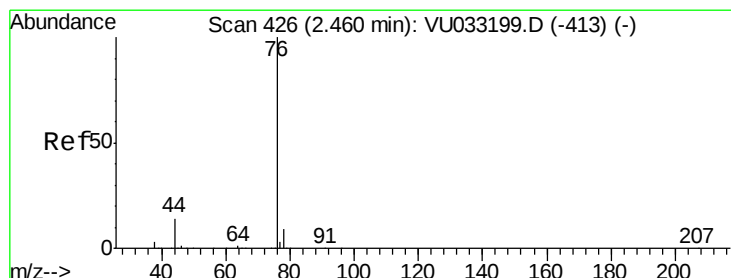
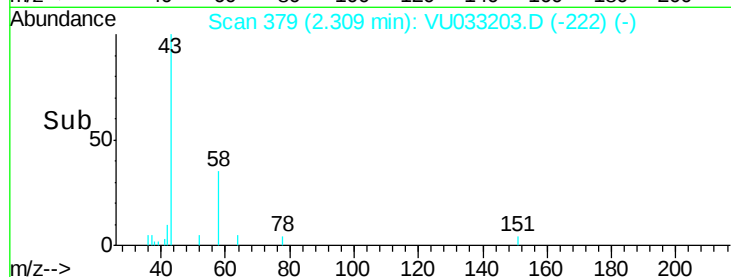
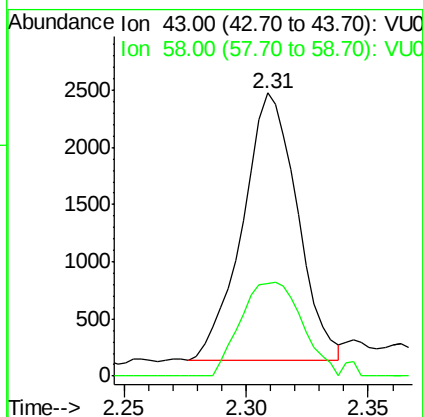
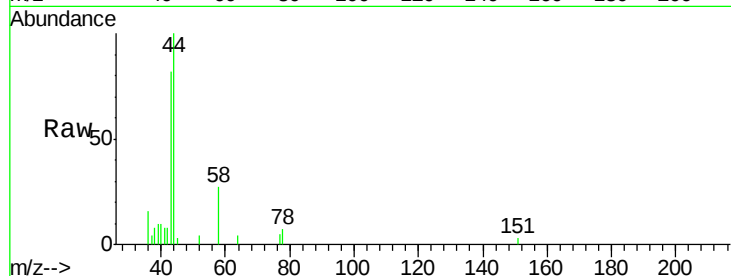
#13
Acetone
Concen: 1.572 ug/l
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 3623
Ion Ratio Lower Upper
43 100
58 34.8 27.1 40.7

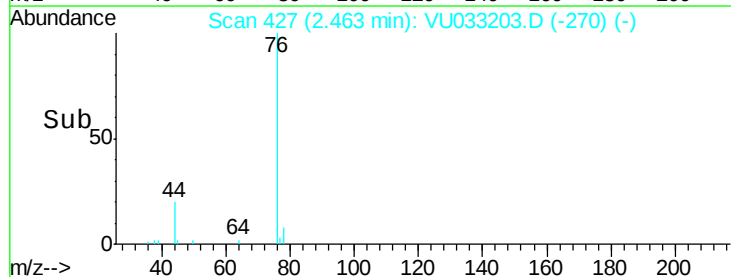
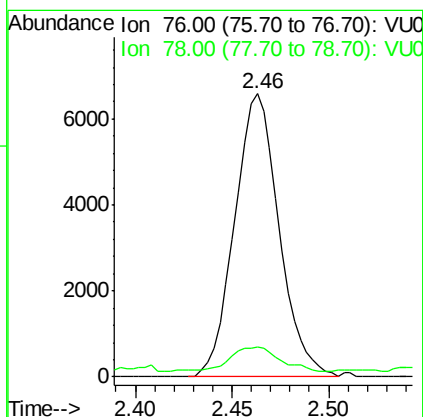
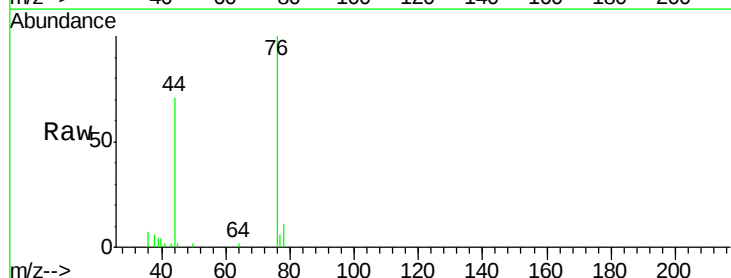
Manual Integrations
APPROVED

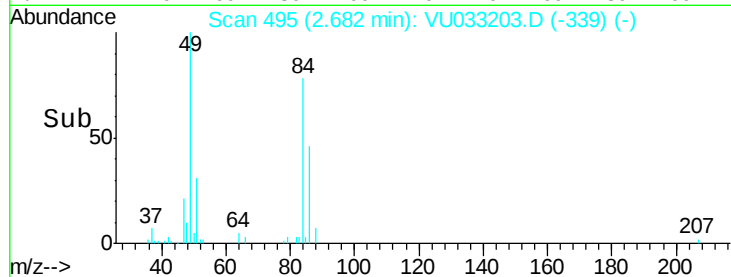
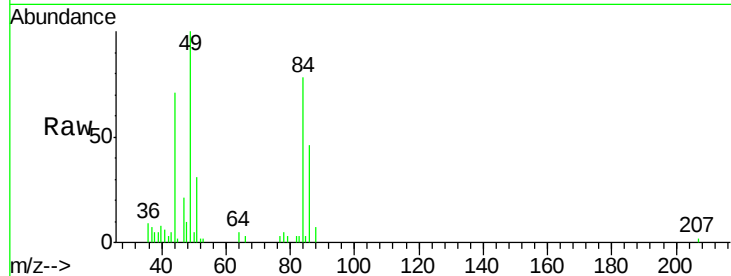
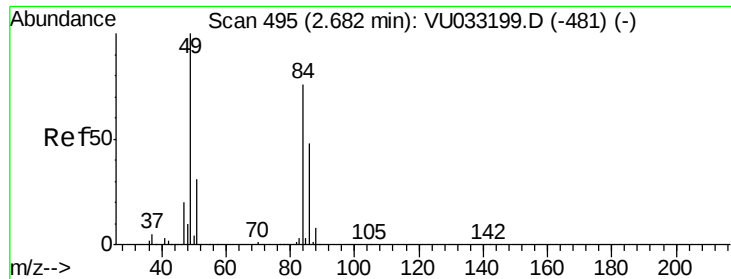
MMDadoda
7/16/2019 4:02:23 PM



#14
Carbon Disulfide
Concen: 0.311 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

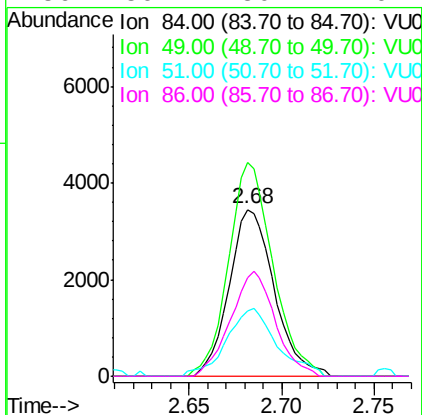
Tgt Ion: 76 Resp: 10536
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0





#15
Methvlene Chloride
Concen: 0.469 ug/l
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

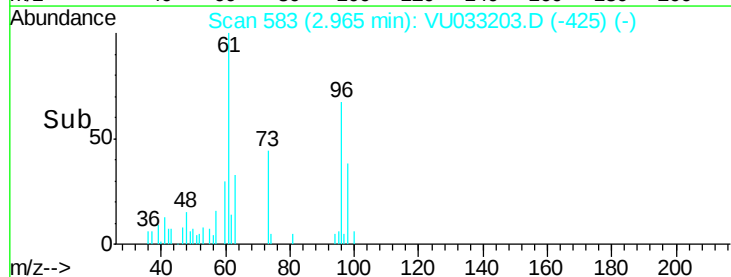
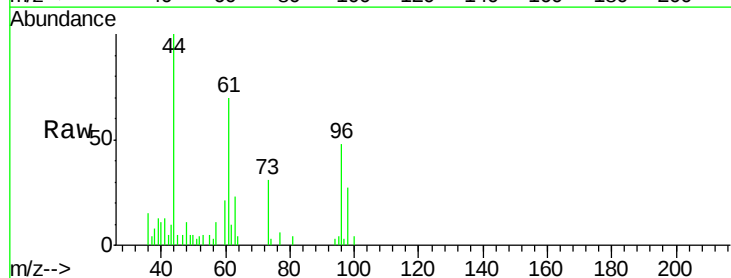
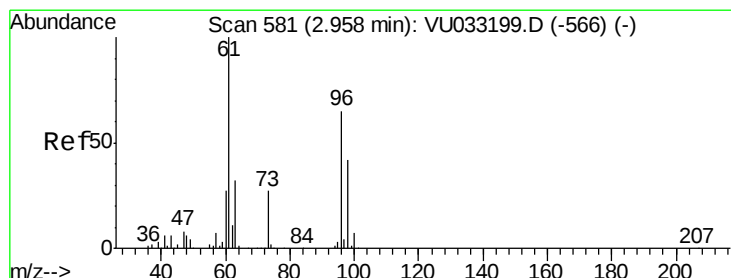
Tot Ion:	84	Resp:	5820
Ion	Ratio	Lower	Upper
84	100		
49	128.2	105.8	158.8
51	39.2	0.0	82.0
86	59.1	50.7	76.1



Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

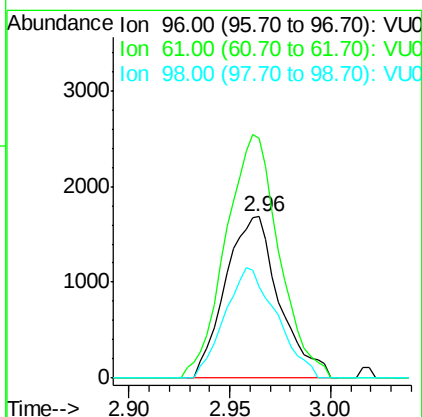
Manual Integrations
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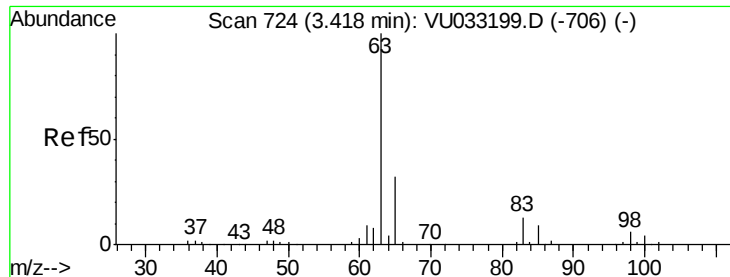
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 0.295 ug/l
RT: 2.96 min Scan# 583
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion:	96	Resp:	3136
Ion	Ratio	Lower	Upper
96	100		
61	148.4	122.6	184.0
98	56.8	52.0	78.0





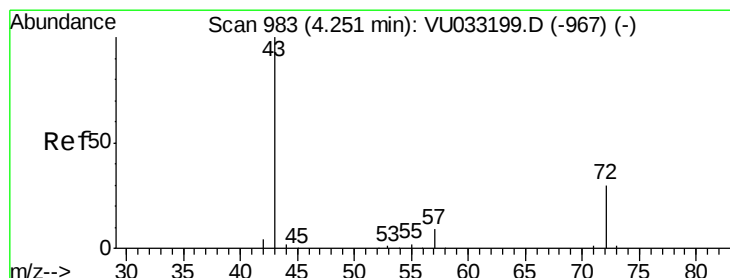
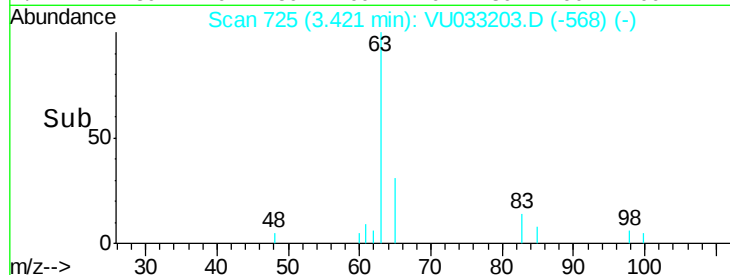
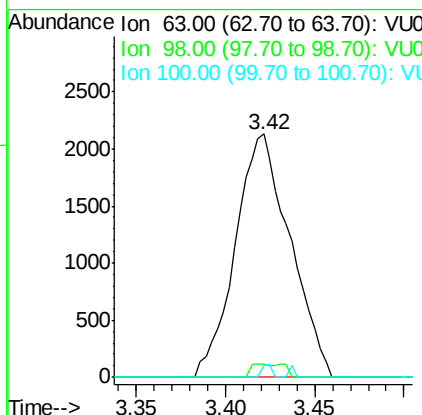
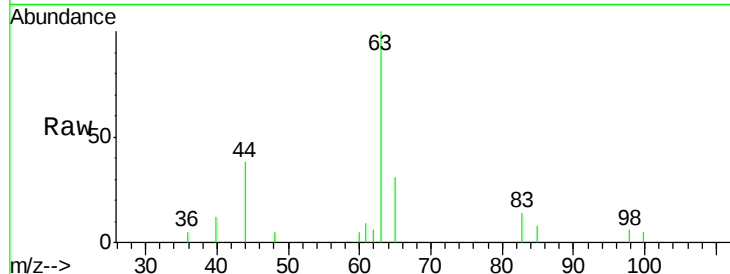
#17
 1,1-Dichloroethane
 Concen: 0.295 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion:	63	Resp:	4550
Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.3	9.8
100	5.0	1.8	5.4

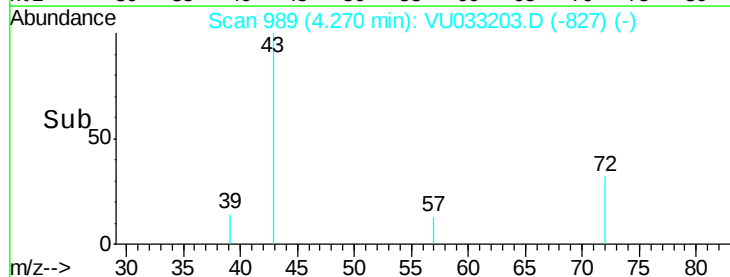
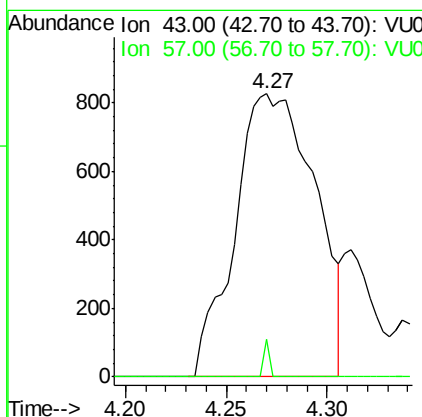
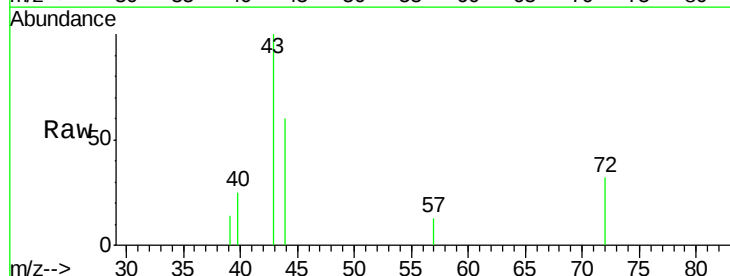
Manual Integrations
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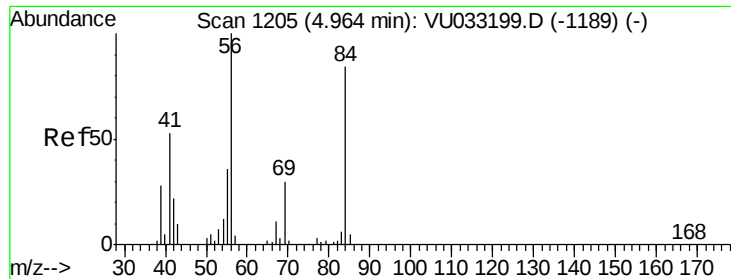
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#18
 2-Butanone
 Concen: 0.993 ug/l
 RT: 4.27 min Scan# 989
 Delta R.T. 0.02 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion:	43	Resp:	2287
Ion	Ratio	Lower	Upper
43	100		
57	13.3	0.0	18.4





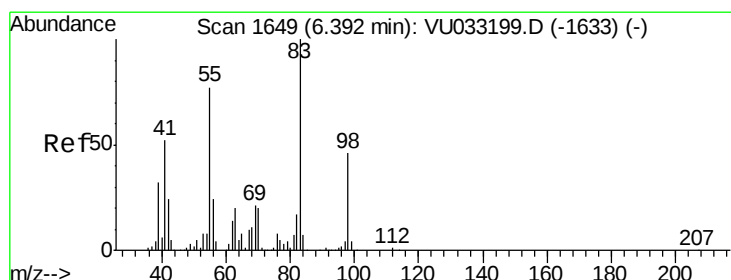
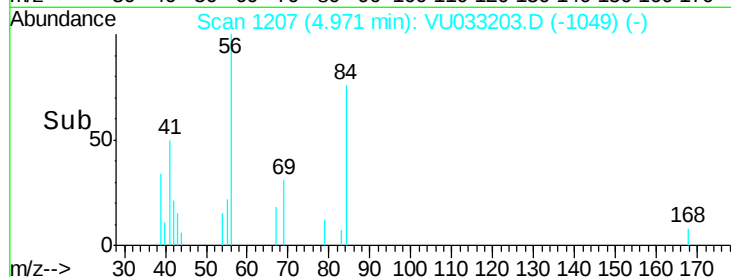
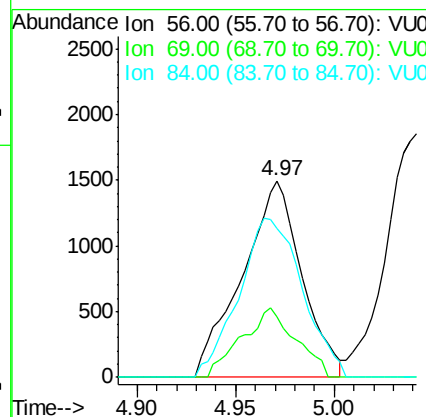
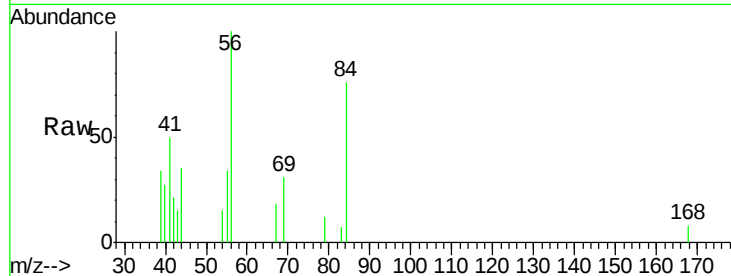
#19
Cyclohexane
Concen: 0.265 ug/l m
RT: 4.97 min Scan# 1207
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	24.6	37.0
84	86.0	67.5	101.3

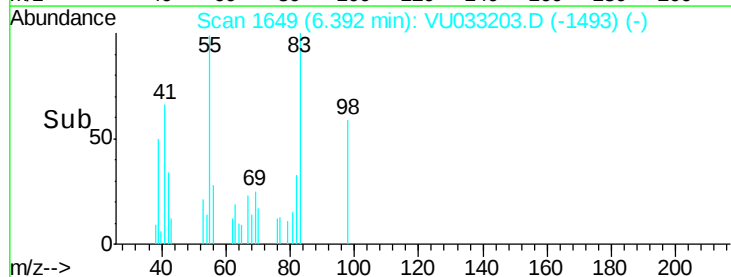
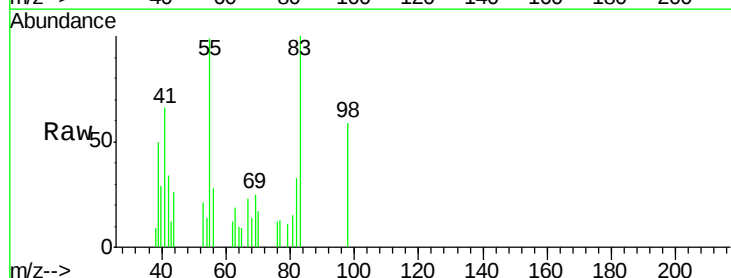
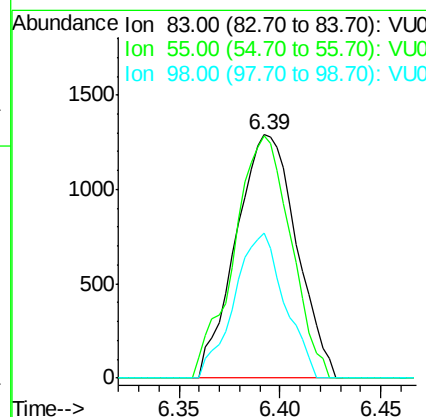
Manual Integrations
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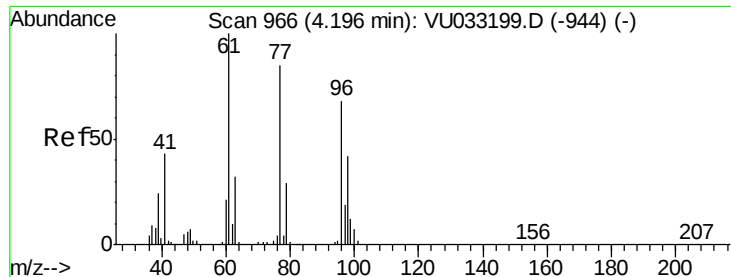
MMDadoda
7/16/2019 4:02:23 PM



#20
Methylcyclohexane
Concen: 0.218 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
83	100		
55	93.2	62.0	93.0#
98	49.6	36.3	54.5





#21

2,2-Dichloropropane

Concen: 0.265 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 77 Resp: 3432

Ion Ratio Lower Upper

77 100

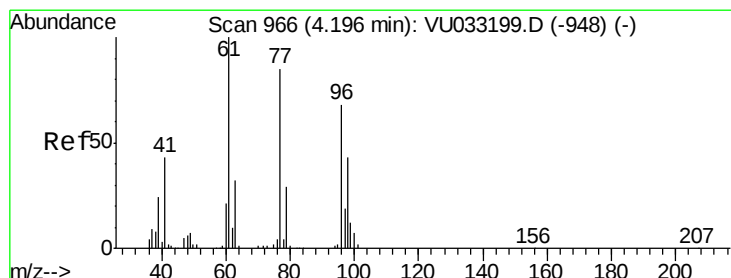
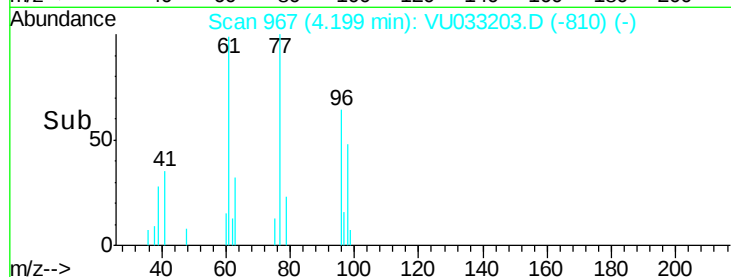
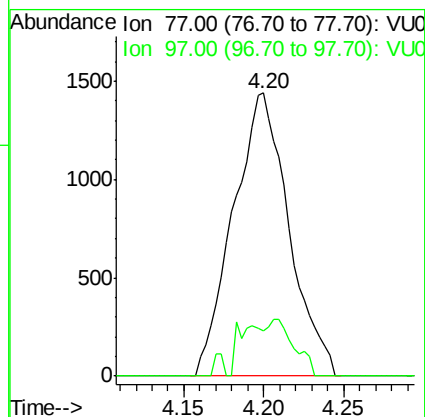
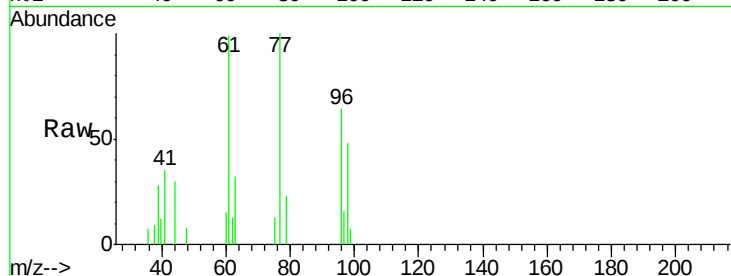
97 8.1 17.6 26.4#

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 0.291 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

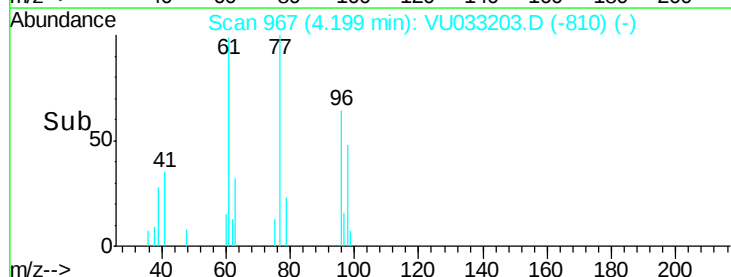
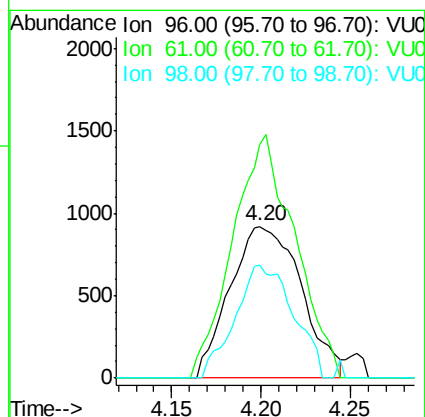
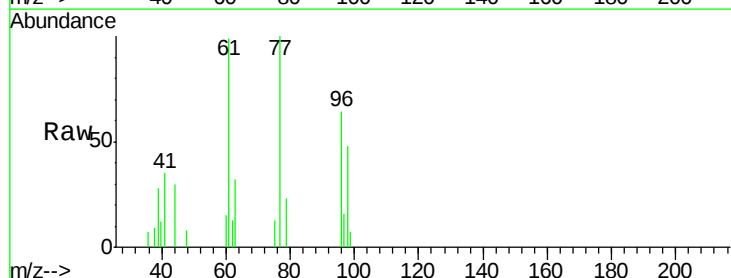
Tgt Ion: 96 Resp: 2566

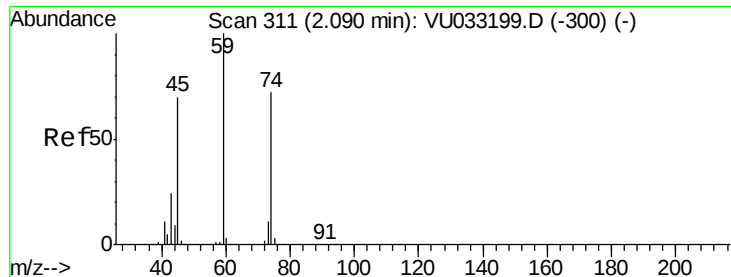
Ion Ratio Lower Upper

96 100

61 139.8 0.0 377.3

98 60.7 32.3 96.8





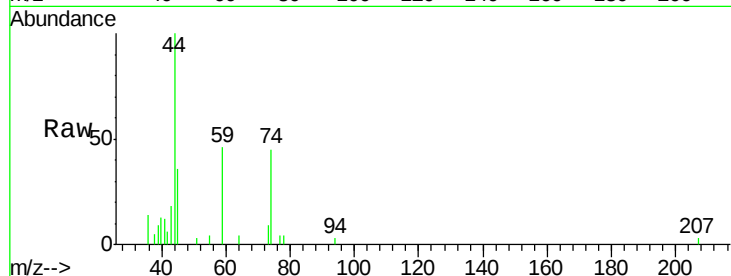
#23
Diethyl Ether
Concen: 0.272 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

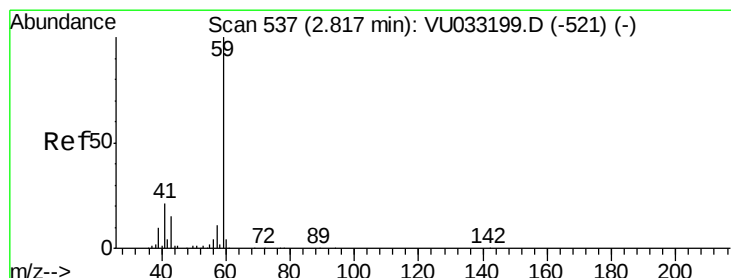
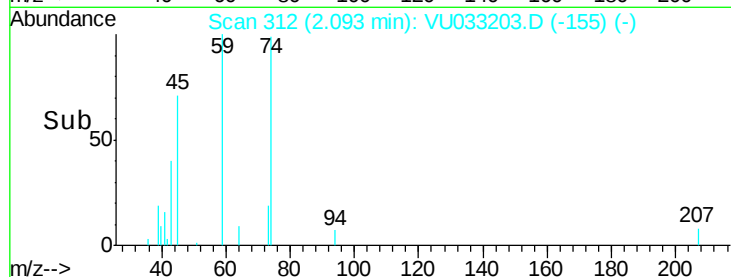
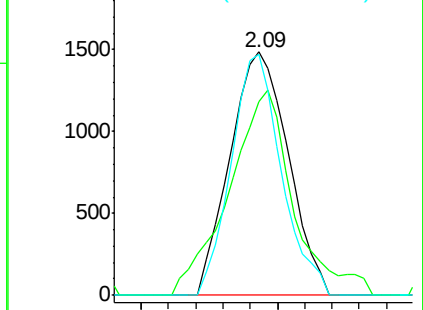
Tot Ion	Ratio	Lower	Upper
59	100		
45	93.0	55.7	83.5#
74	85.4	58.1	87.1

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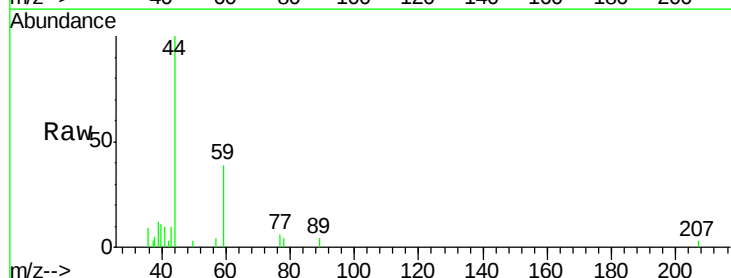


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

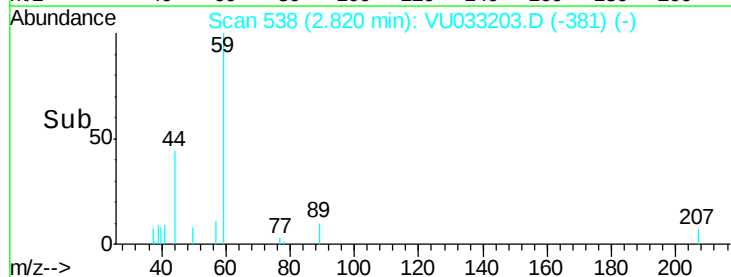
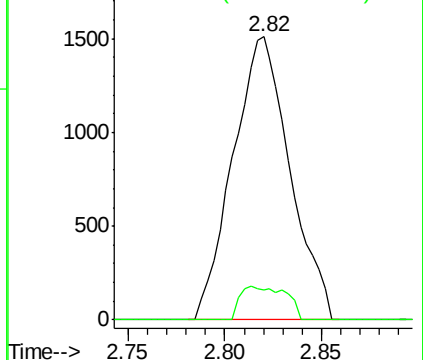


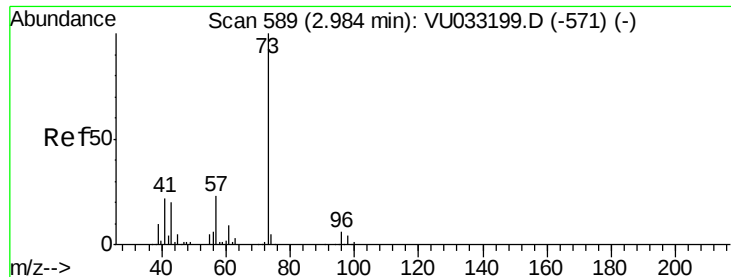
#24
tert-Butyl Alcohol
Concen: 3.140 ug/l
RT: 2.82 min Scan# 538
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.5	12.7



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#25

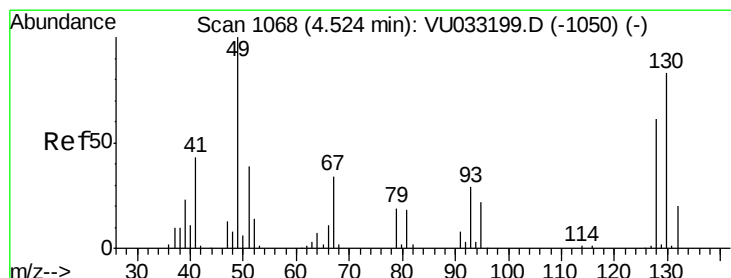
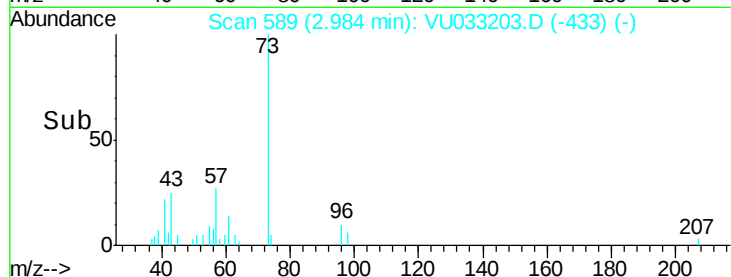
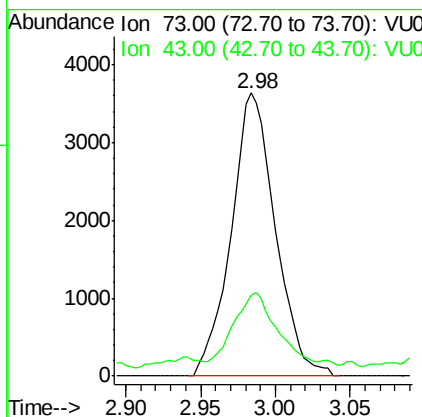
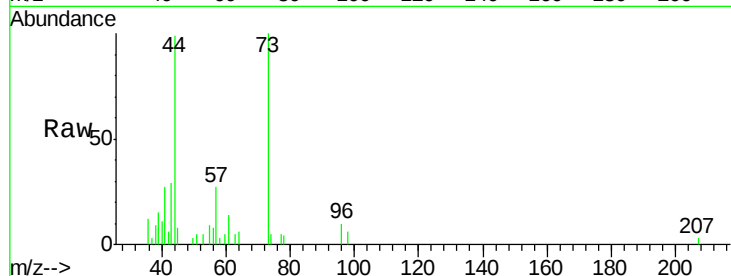
Methyl tert-Butyl Ether
Concen: 0.276 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
73	100		
43	23.5	16.1	24.1

Manual Integrations
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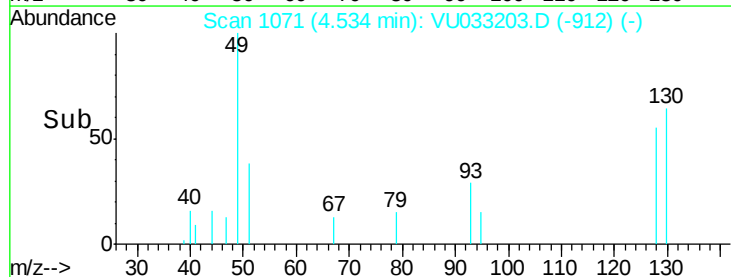
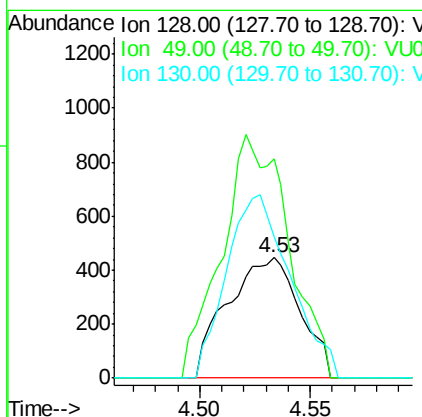
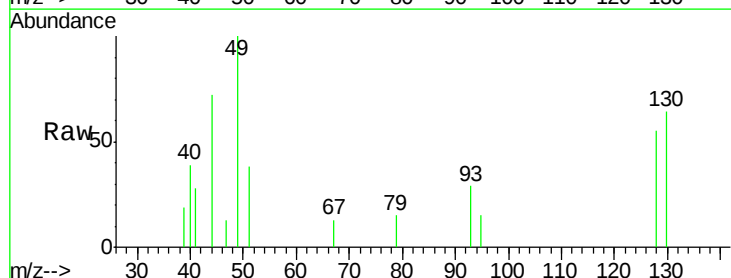
MMDadoda
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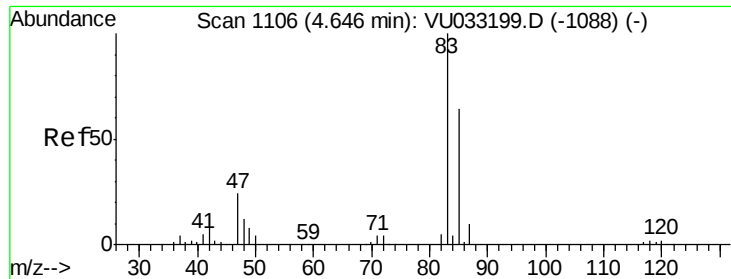


#26

Bromochloromethane
Concen: 0.260 ug/l
RT: 4.53 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
128	100		
49	187.0	0.0	328.6
130	134.3	104.1	156.1





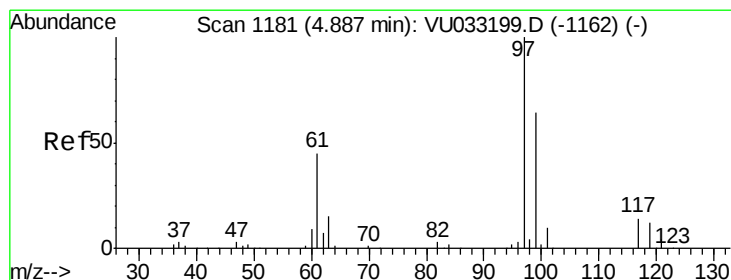
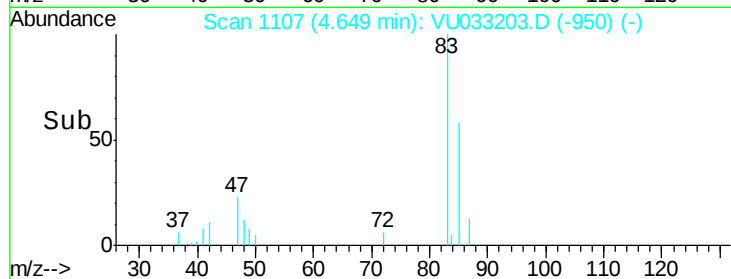
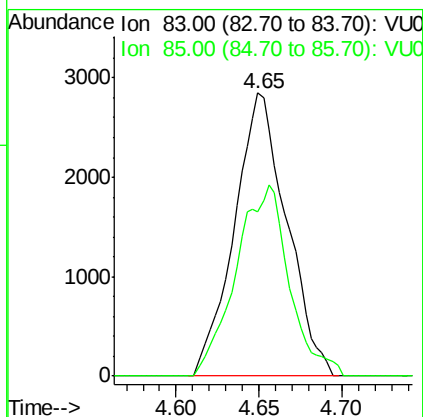
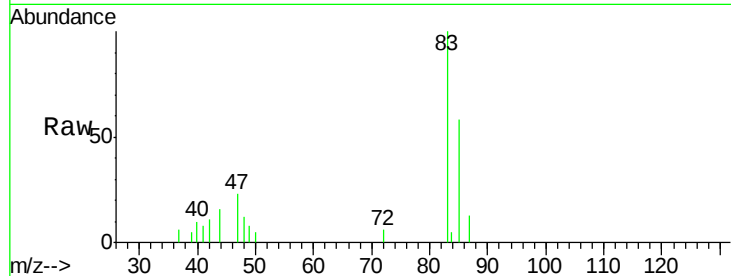
#27
Chloroform
Concen: 0.367 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 83 Resp: 6252
Ion Ratio Lower Upper
83 100
85 58.0 0.0 128.4

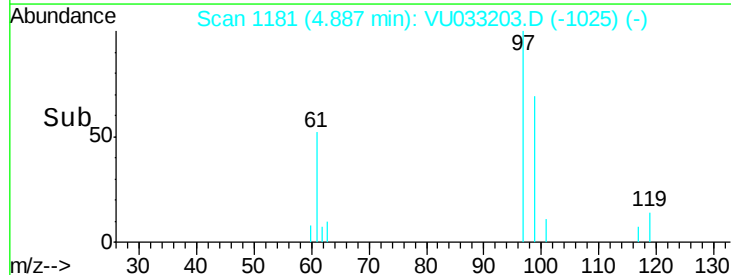
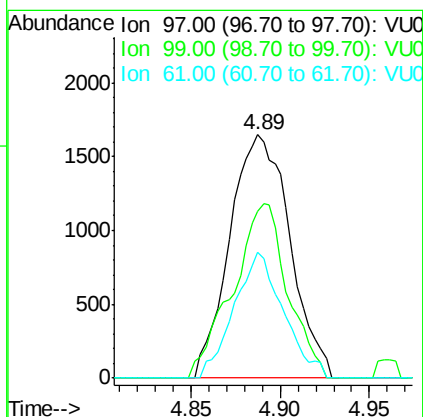
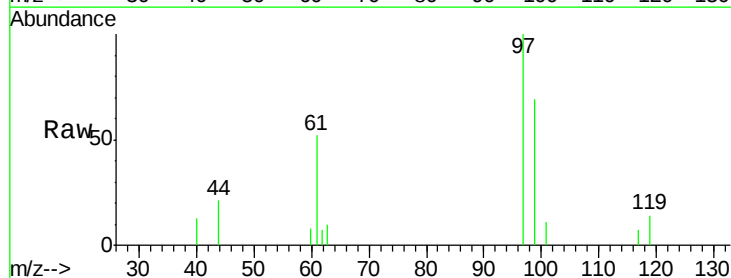
Manual Integrations
APPROVED

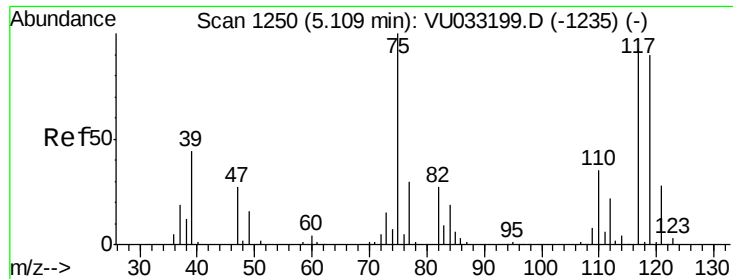
MMDadoda
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#28
1,1,1-Trichloroethane
Concen: 0.287 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion: 97 Resp: 3870
Ion Ratio Lower Upper
97 100
99 65.5 31.9 95.5
61 42.2 22.6 67.7





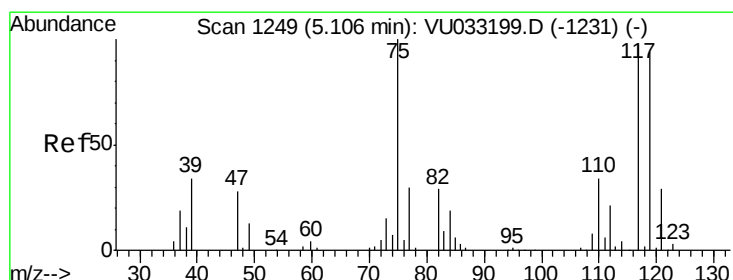
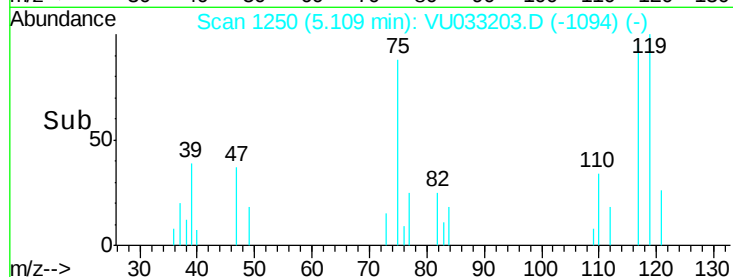
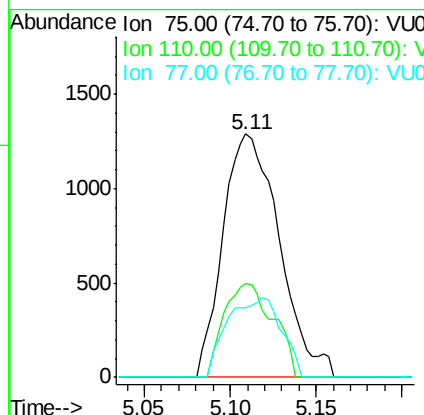
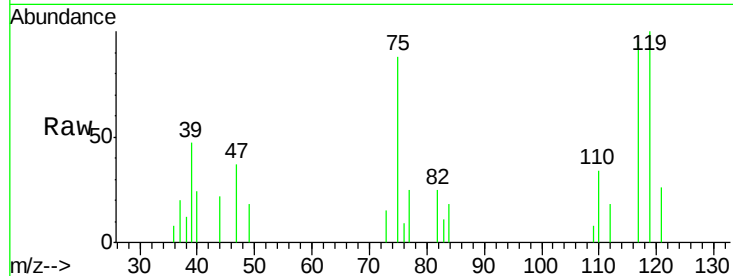
#29
 1,1-Dichloropropene
 Concen: 0.258 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.5	52.6
77	31.2	24.6	37.0

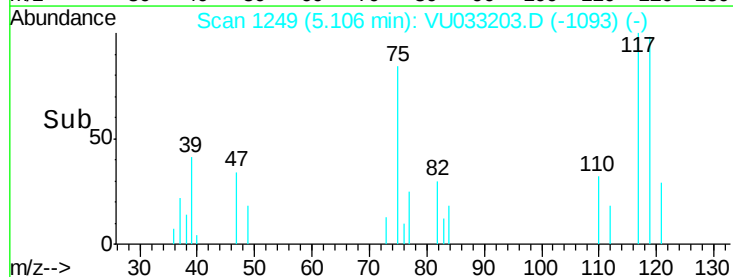
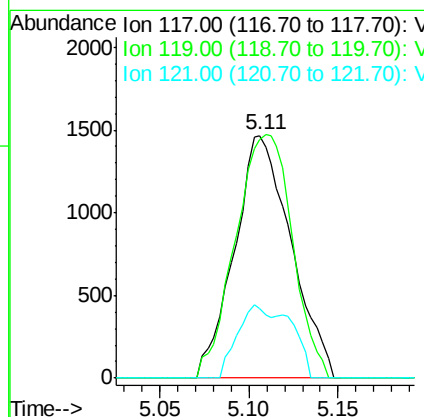
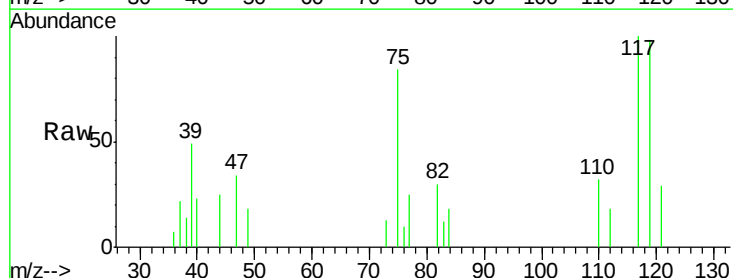
Manual Integrations
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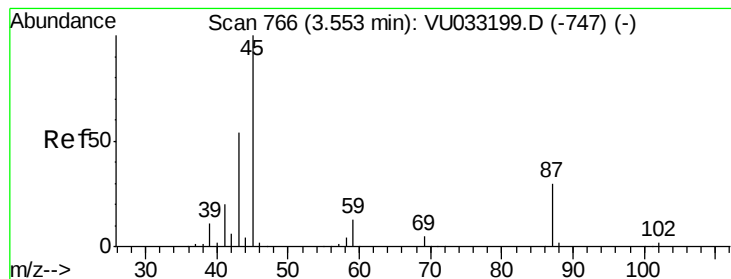
MMDadoda
 7/16/2019 4:02:23 PM



#30
 Carbon Tetrachloride
 Concen: 0.272 ug/l
 RT: 5.11 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.4	116.0
121	28.8	24.2	36.2





#31

Isopropyl Ether

Concen: 0.282 ug/l

RT: 3.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 45 Resp: 5846

Ion Ratio Lower Upper

45 100

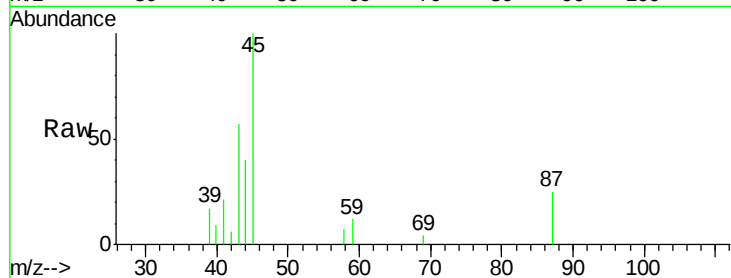
43 55.2 27.3 81.8

Manual Integrations

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Abundance Ion 45.00 (44.70 to 45.70): VU033199.D (-747) (-)

Ion 43.00 (42.70 to 43.70): VU033199.D (-747) (-)

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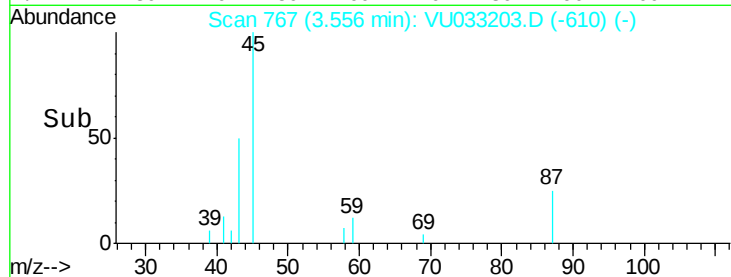
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Abundance Ion 45.00 (44.70 to 45.70): VU033199.D (-747) (-)

Ion 43.00 (42.70 to 43.70): VU033199.D (-747) (-)

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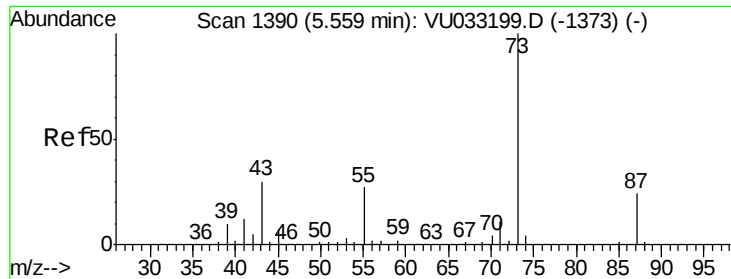
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#33

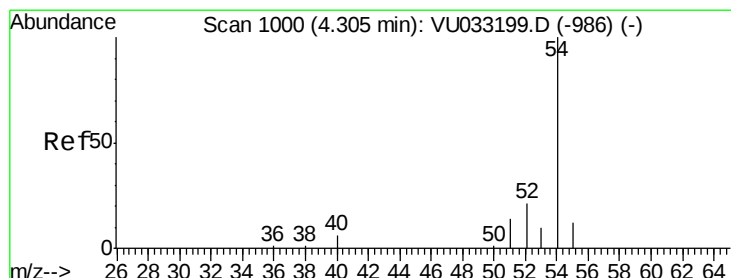
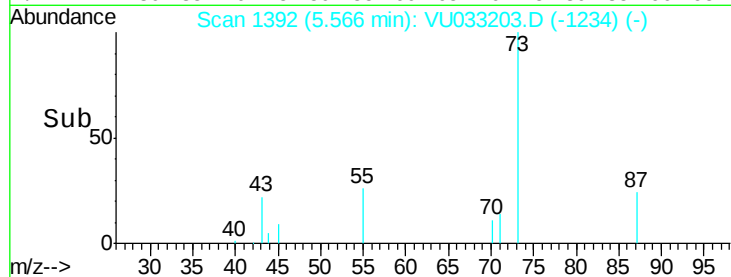
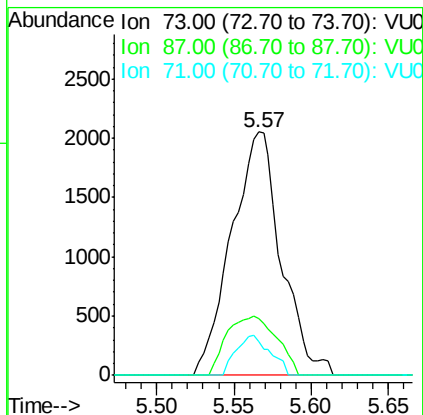
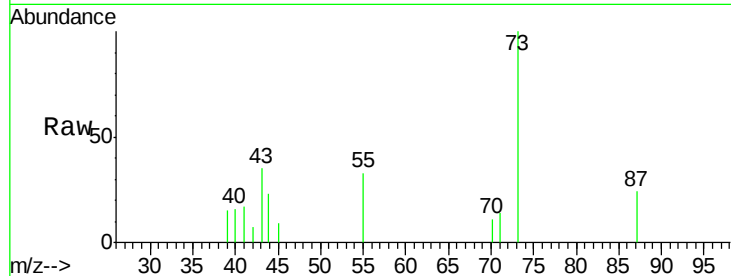
Tert-Amvl methvl ether
Concen: 0.246 ug/l
RT: 5.57 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.4	19.8	29.6
71	11.0	9.1	13.7

Manual Integrations
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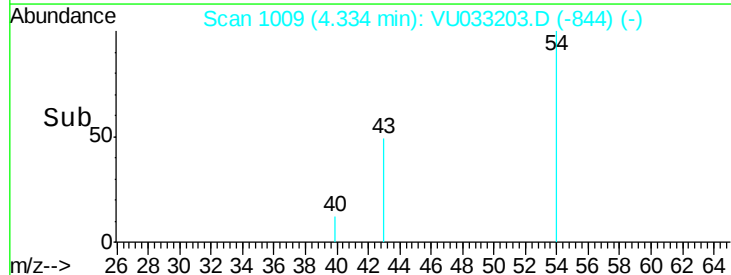
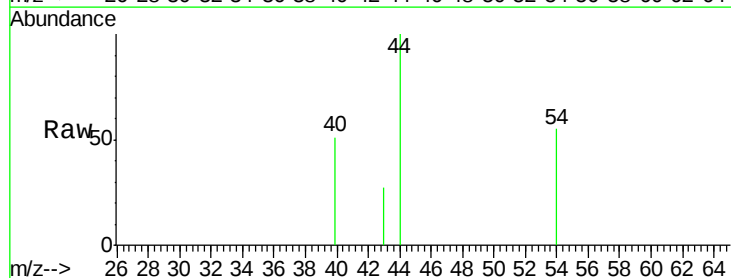
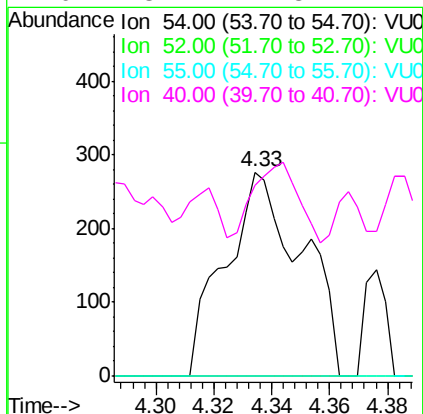
MMDadoda
7/16/2019 4:02:23 PM

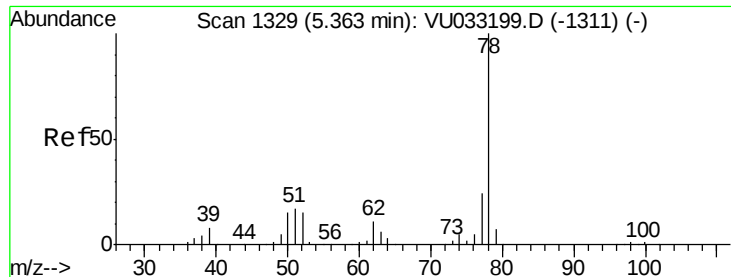


#34

Propionitrile
Concen: 0.780 ug/l m
RT: 4.33 min Scan# 1009
Delta R.T. 0.03 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
54	100		
52	0.0	16.7	25.1#
55	0.0	12.9	19.3#
40	23.2	4.8	7.2#





#35

Benzene

Concen: 0.284 ug/l

RT: 5.37 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 78 Resp: 9418

Ion Ratio Lower Upper

78 100

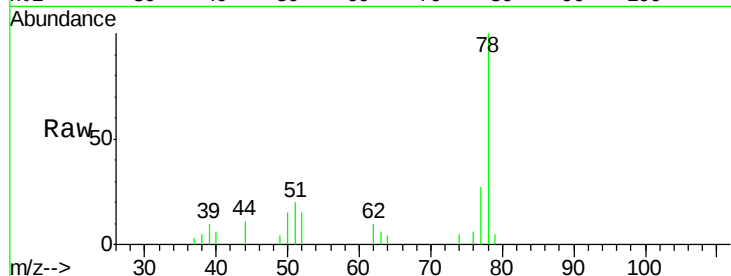
77 26.7 19.3 28.9

Manual Integrations

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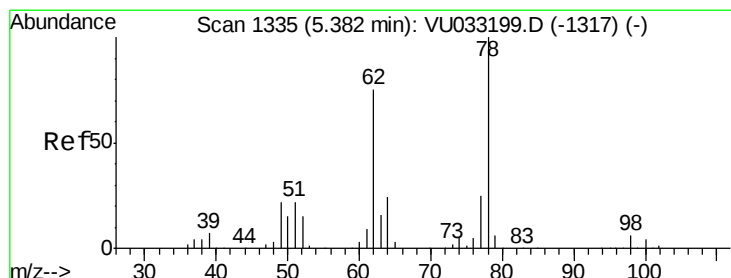
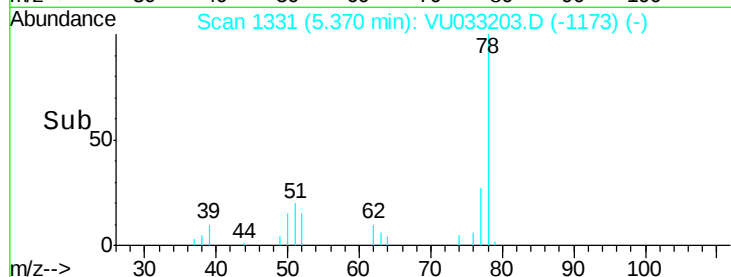
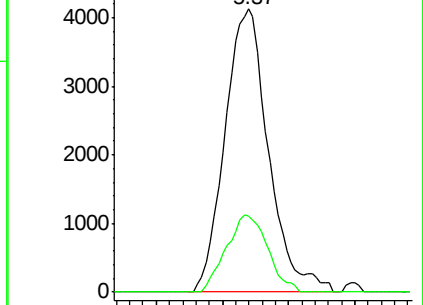
MMDadoda

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Abundance Ion 78.10 (77.80 to 78.80): VU033199.D (-1311) (-)

Ion 77.00 (76.70 to 77.70): VU033199.D (-1311) (-)



#36

1,2-Dichloroethane

Concen: 0.238 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU033203.D

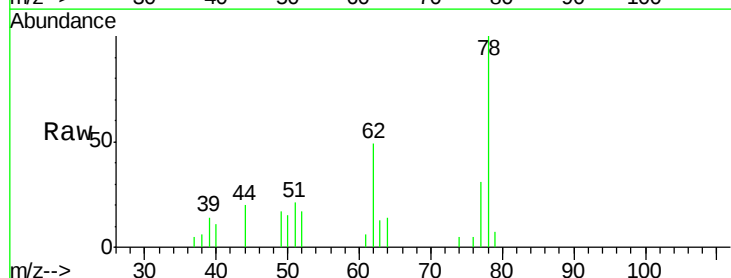
Acq: 11 Jul 2019 21:52

Tgt Ion: 62 Resp: 2552

Ion Ratio Lower Upper

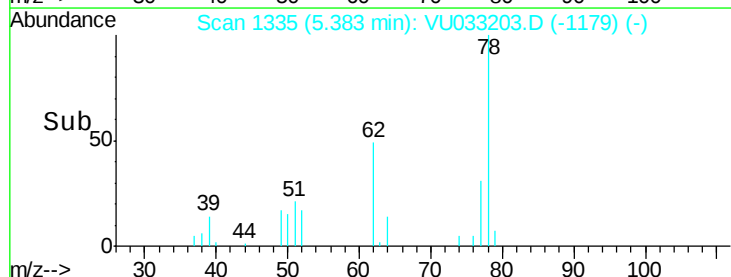
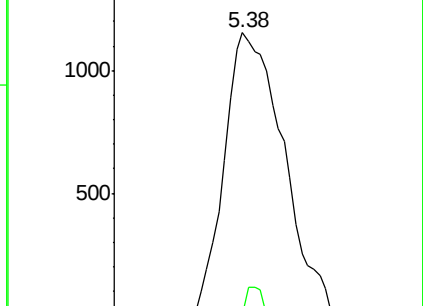
62 100

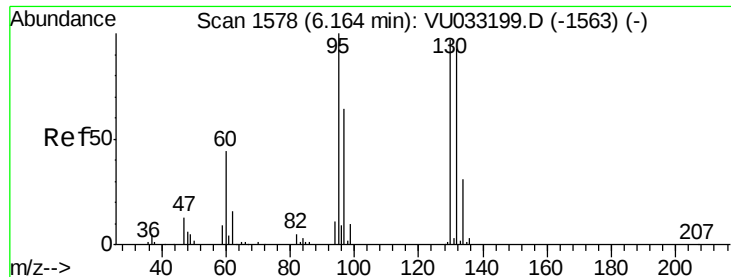
98 2.5 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VU033199.D (-1317) (-)

Ion 98.00 (97.70 to 98.70): VU033199.D (-1317) (-)





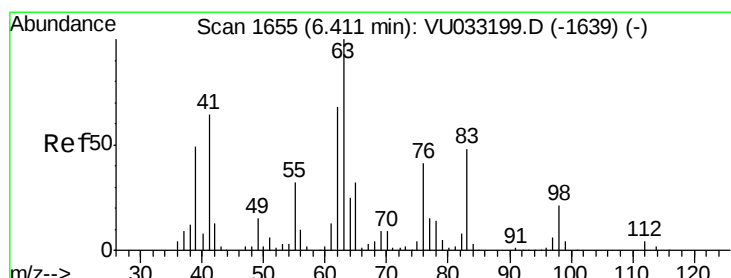
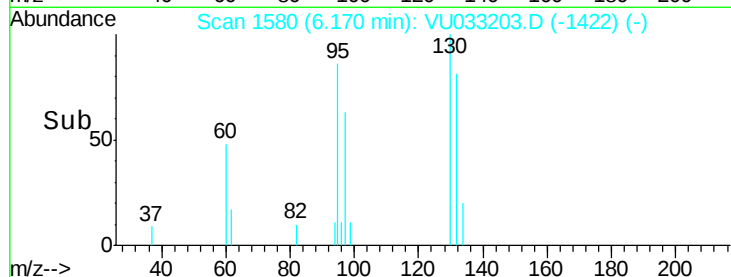
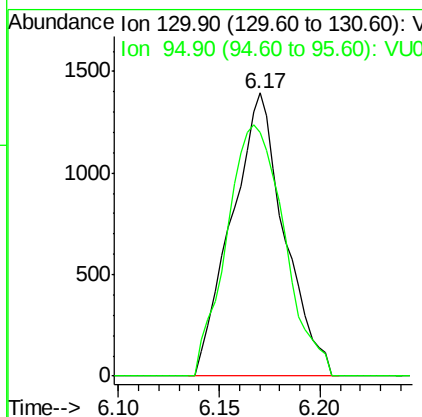
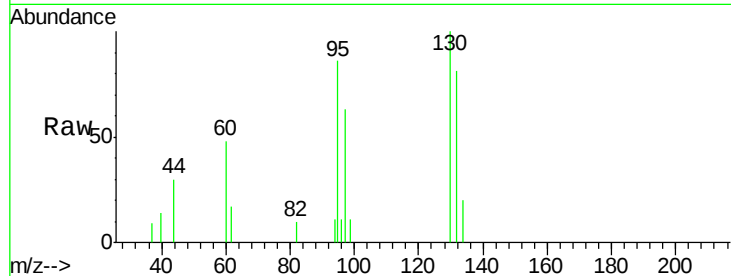
#37
 Trichloroethene
 Concen: 0.294 ug/l
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion:130 Resp: 2546
 Ion Ratio Lower Upper
 130 100
 95 86.2 82.4 123.6

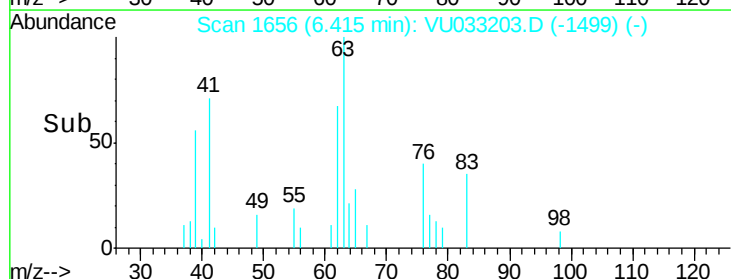
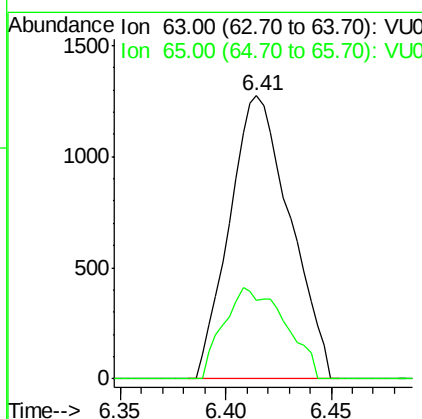
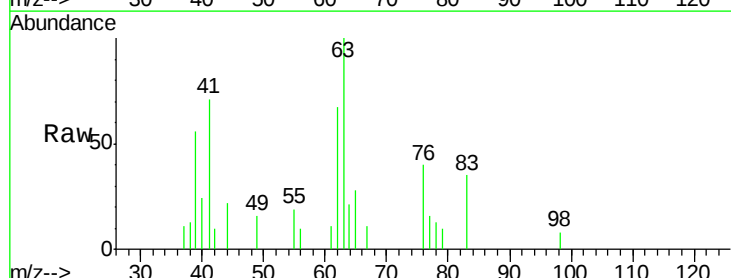
Manual Integrations
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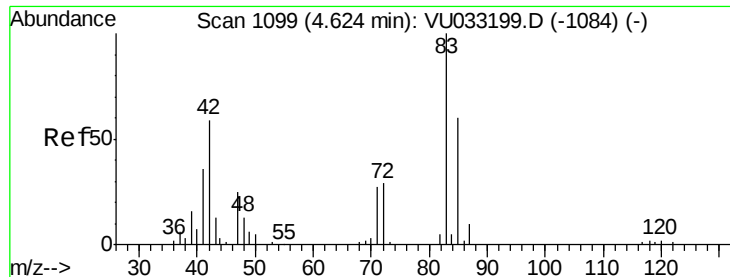
MMDadoda
 7/16/2019 4:02:23 PM



#38
 1,2-Dichloropropane
 Concen: 0.283 ug/l
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion: 63 Resp: 2539
 Ion Ratio Lower Upper
 63 100
 65 27.7 25.3 37.9





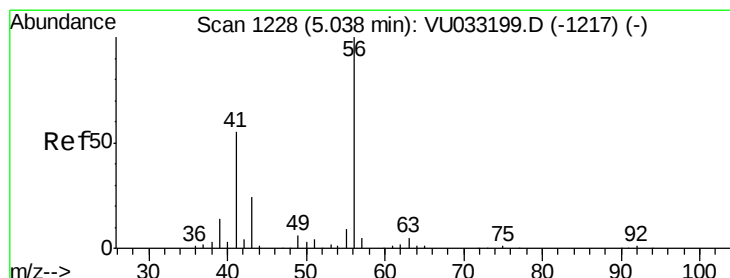
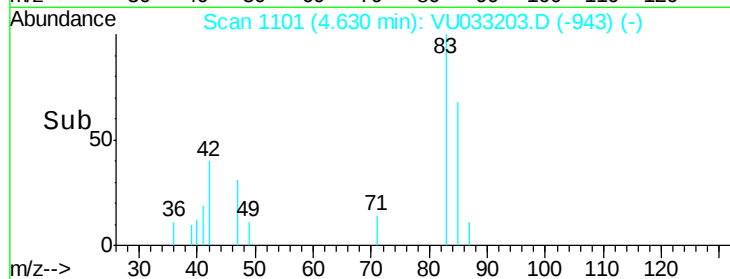
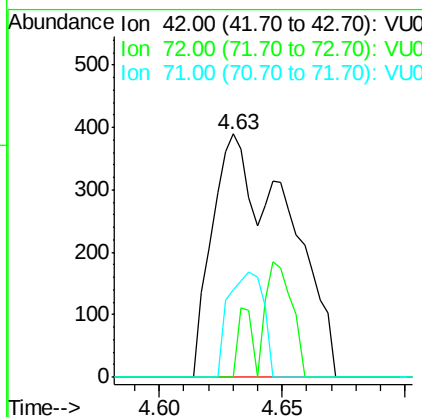
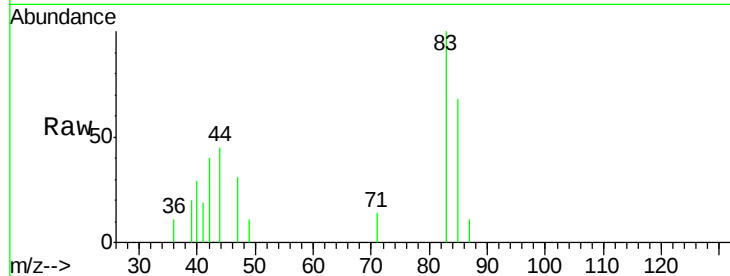
#41
Tetrahydrofuran
Concen: 0.584 ug/l m
RT: 4.63 min Scan# 1101
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
42	100		
72	5.1	40.7	61.1#
71	20.0	35.4	53.0#

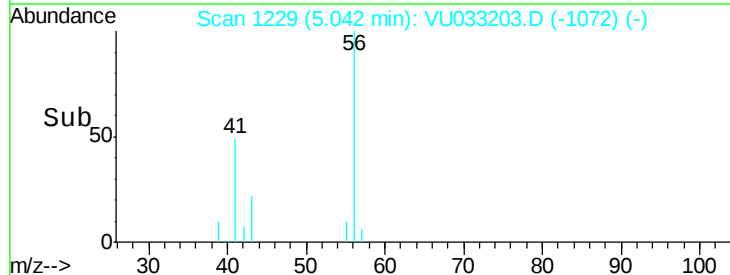
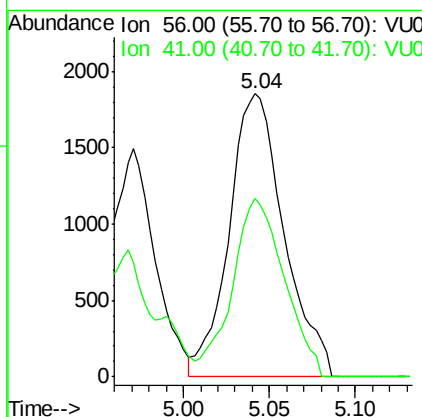
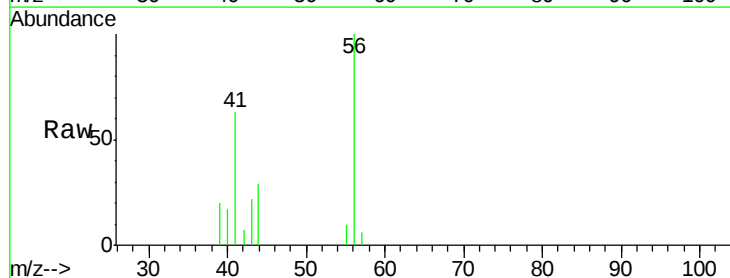
Manual Integrations
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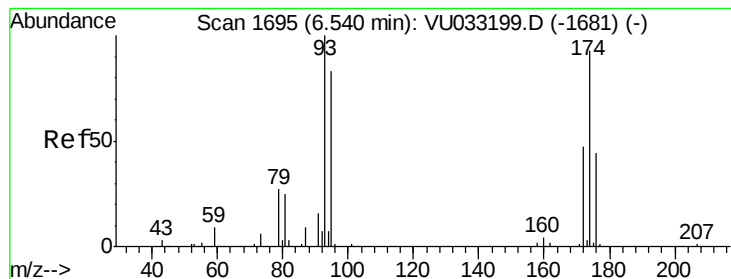
MMDadoda
7/16/2019 4:02:23 PM



#42
1-Chlorobutane
Concen: 0.267 ug/l
RT: 5.04 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
56	100		
41	59.6	26.5	79.4





#43

Dibromomethane

Concen: 0.278 ug/l

RT: 6.55 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

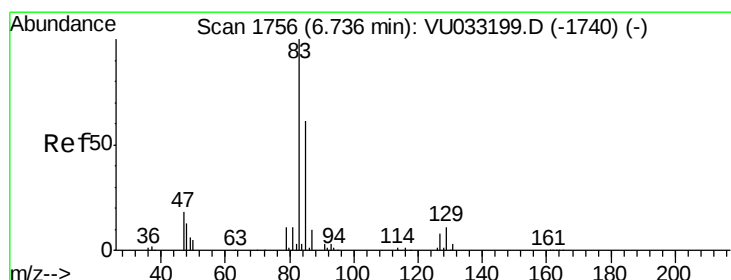
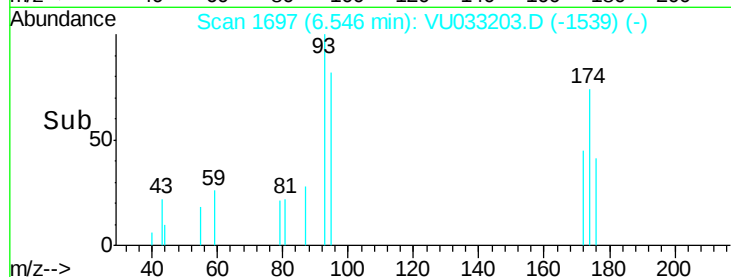
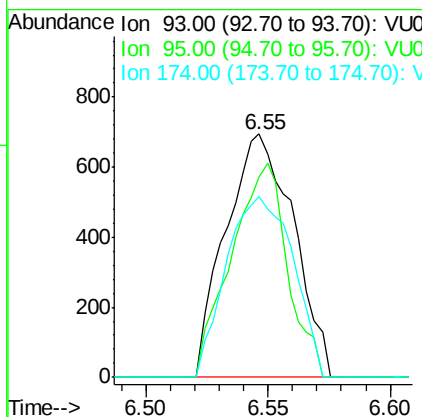
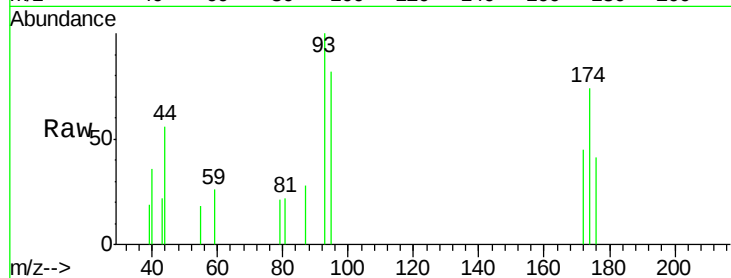
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	93	Resp:	1334
Ion	Ratio	Lower	Upper
93	100		
95	72.8	67.5	101.3
174	73.7	74.2	111.2#

Manual Integrations
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#44

Bromodichloromethane

Concen: 0.299 ug/l

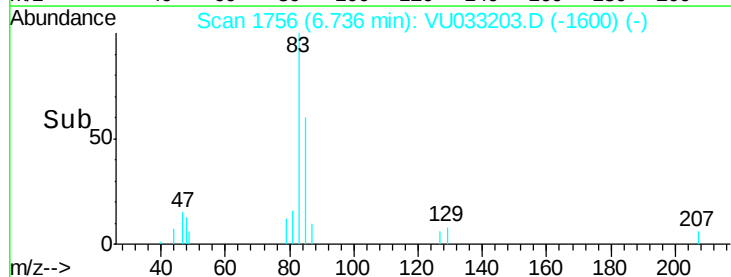
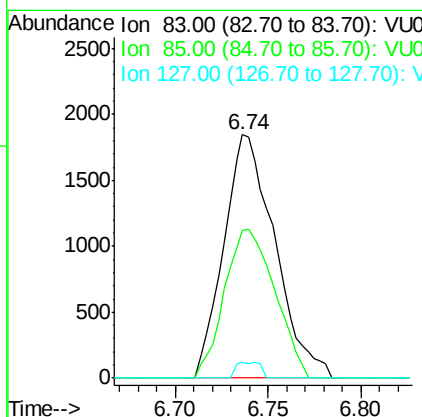
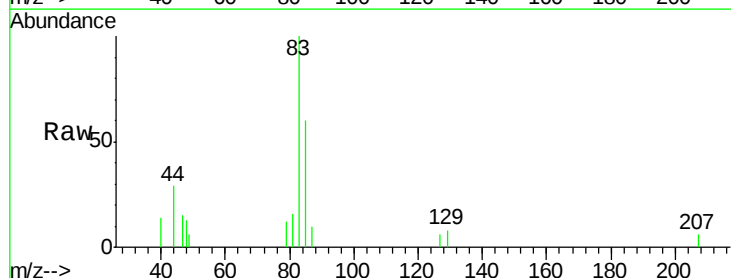
RT: 6.74 min Scan# 1756

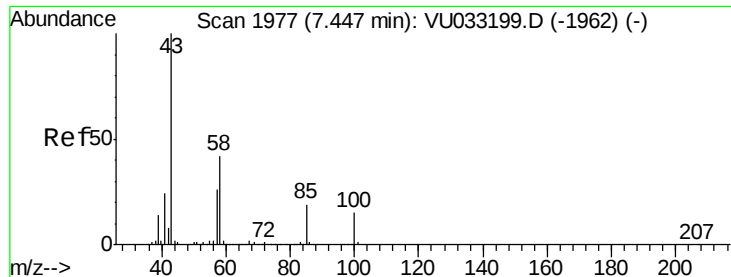
Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Tgt Ion:	83	Resp:	3536
Ion	Ratio	Lower	Upper
83	100		
85	60.4	49.1	73.7
127	6.4	6.6	9.8#





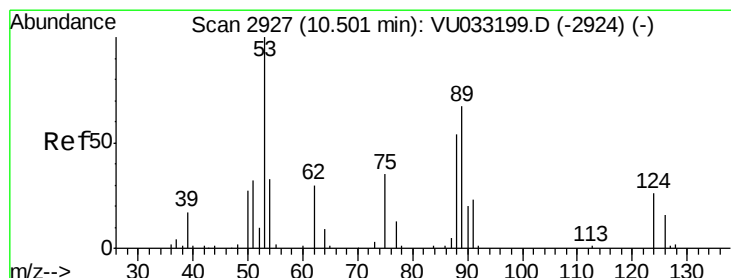
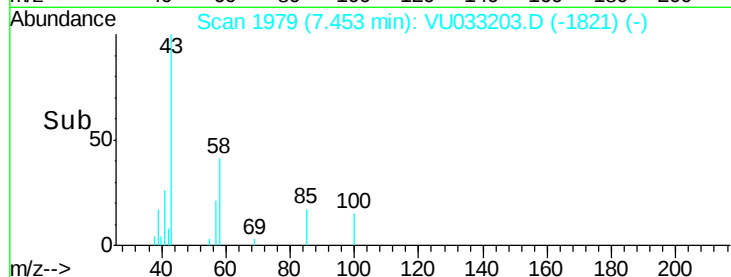
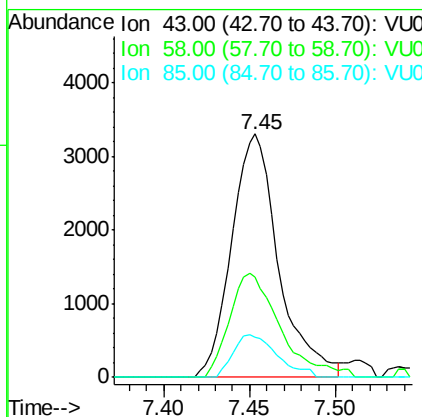
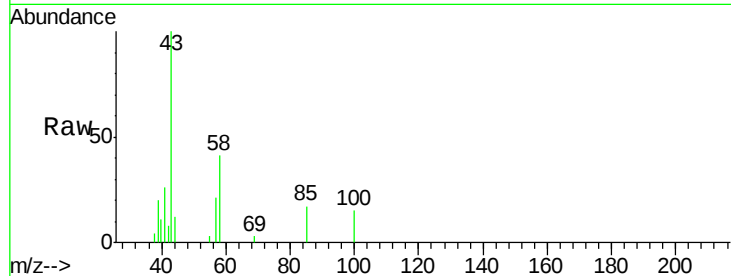
#45
4-Methyl-2-Pentanone
Concen: 1.168 ug/l
RT: 7.45 min Scan# 1979
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.9	20.4	61.2
85	16.2	14.7	22.1

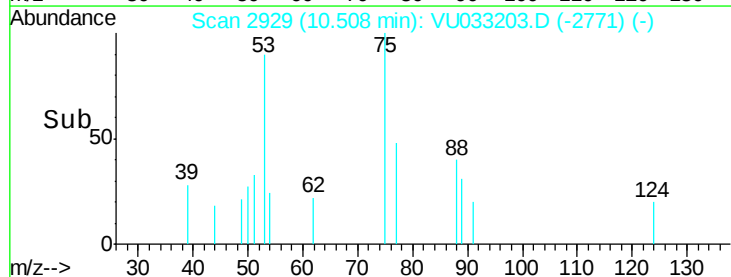
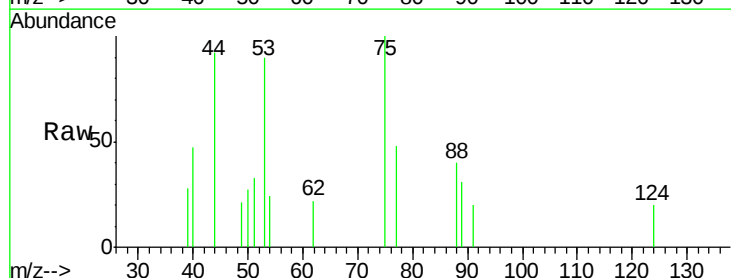
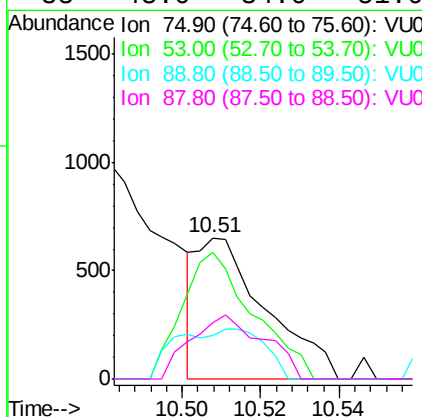
Manual Integrations
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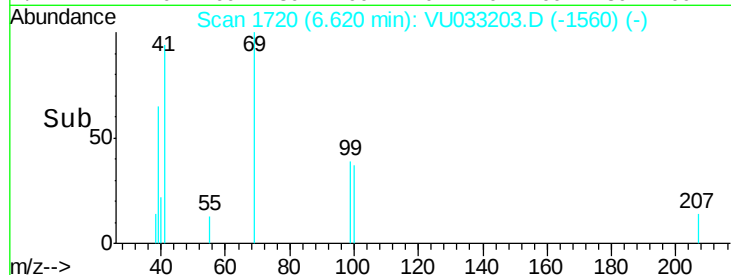
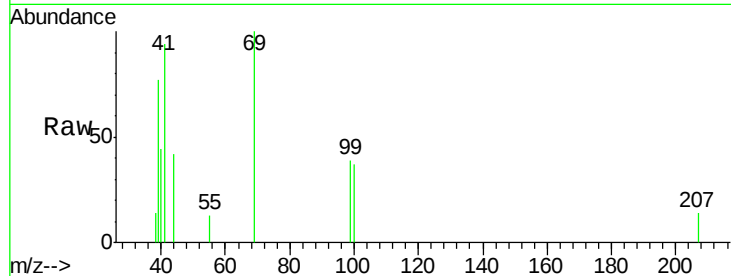
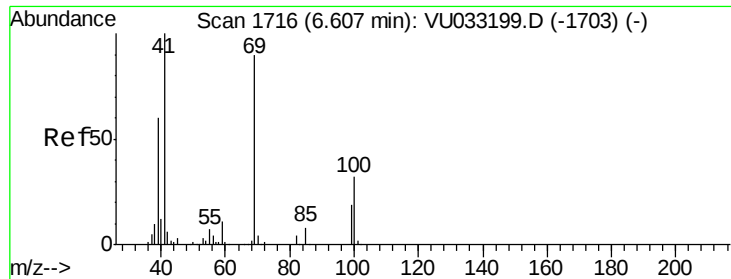
MMDadoda
7/16/2019 4:02:23 PM



#46
t-1,4-Dichloro-2-butene
Concen: 0.345 ug/l m
RT: 10.51 min Scan# 2929
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

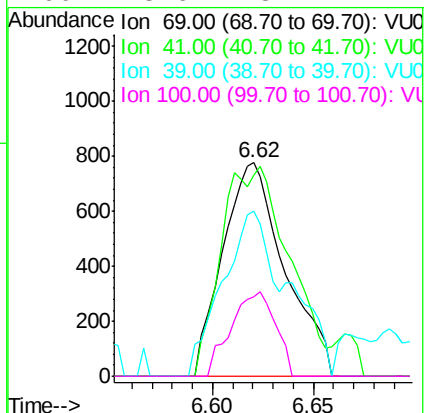
Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.1	63.8	95.6
89	45.6	44.0	66.0
88	48.0	34.0	51.0





#47
Methyl methacrylate
Concen: 0.428 ug/l
RT: 6.62 min Scan# 1720
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

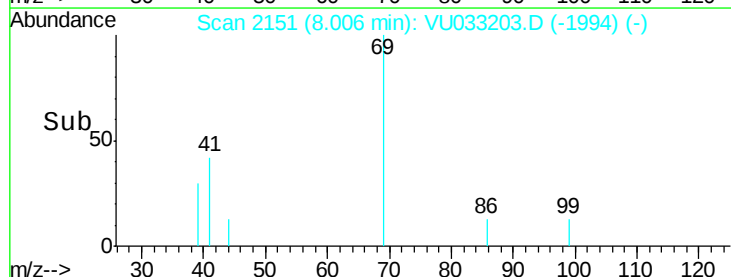
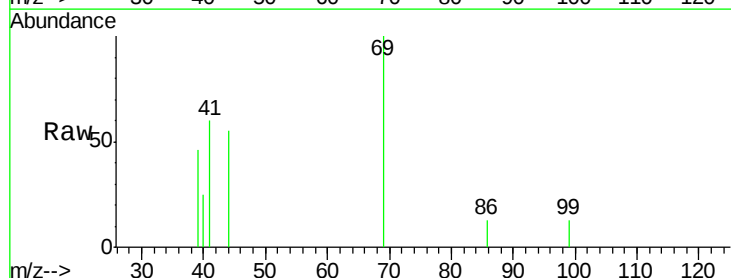
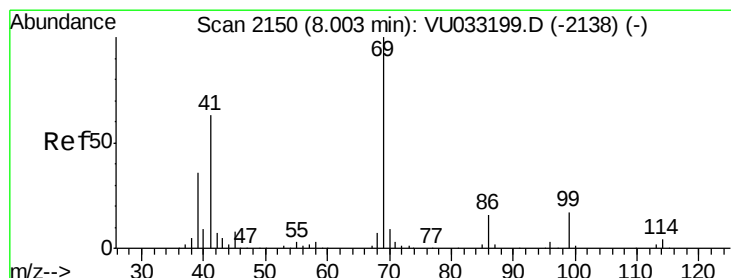
Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	45.8	0.0	217.0	
39	60.8	52.1	78.1	
100	28.6	28.2	42.4	



Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

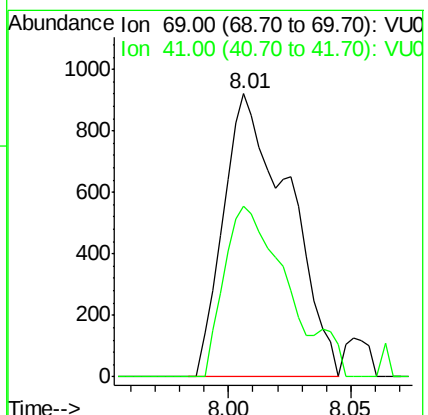
Manual Integrations
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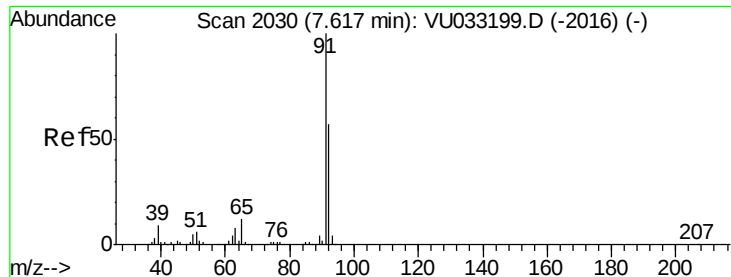
MMDadoda
7/16/2019 4:02:23 PM



#48
Ethyl methacrylate
Concen: 0.235 ug/l
RT: 8.01 min Scan# 2151
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	54.0	31.3	93.8	





#49

Toluene

Concen: 0.226 ug/l

RT: 7.62 min Scan# 2032

Delta R.T. 0.01 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 92 Resp: 4421

Ion Ratio Lower Upper

92 100

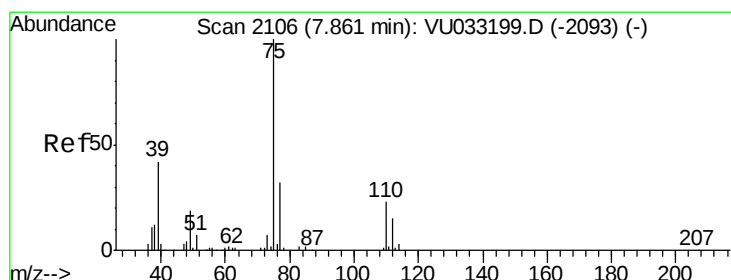
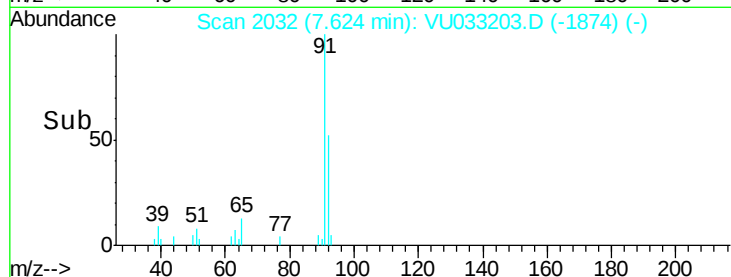
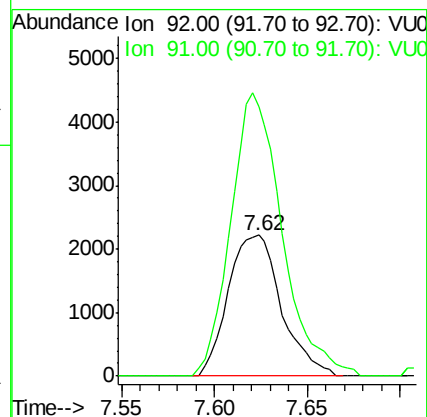
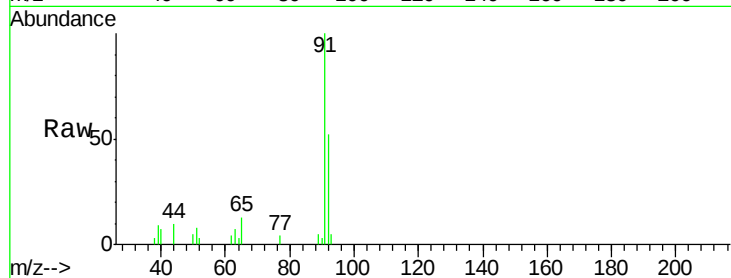
91 193.8 141.2 211.8

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#50

t-1,3-Dichloropropene

Concen: 0.235 ug/l

RT: 7.87 min Scan# 2110

Delta R.T. 0.01 min

Lab File: VU033203.D

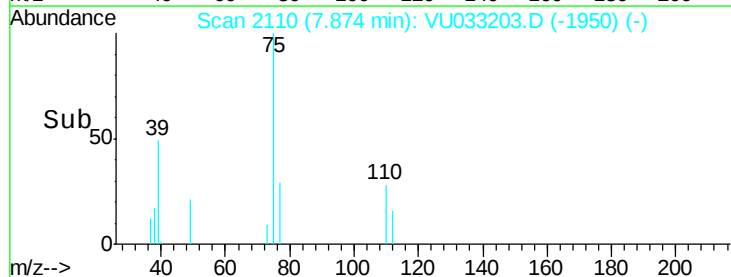
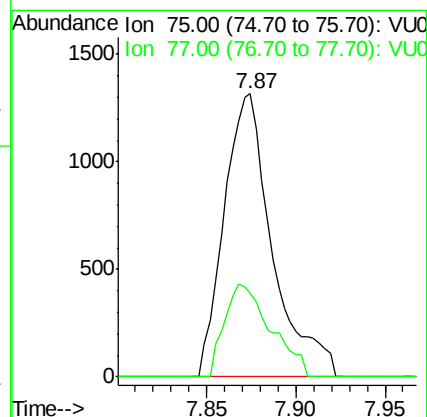
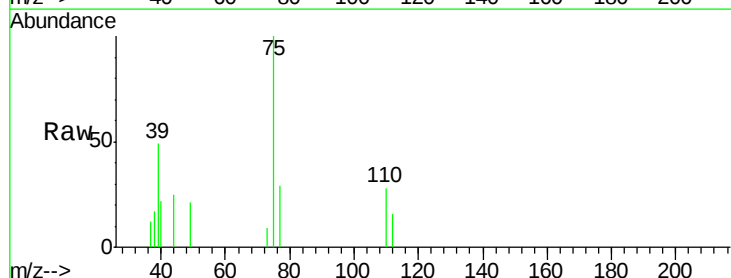
Acq: 11 Jul 2019 21:52

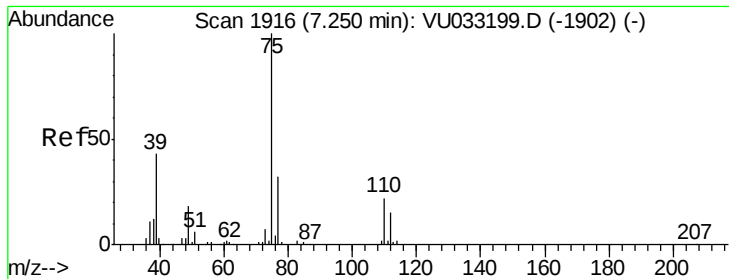
Tgt Ion: 75 Resp: 2465

Ion Ratio Lower Upper

75 100

77 29.5 25.2 37.8





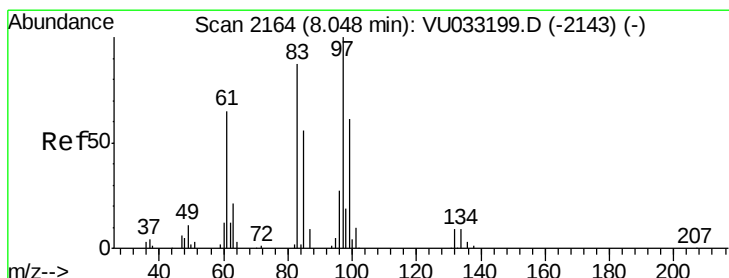
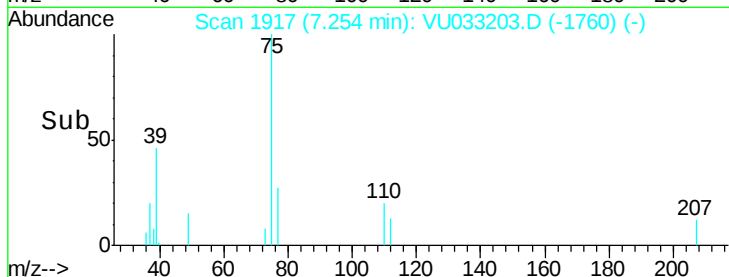
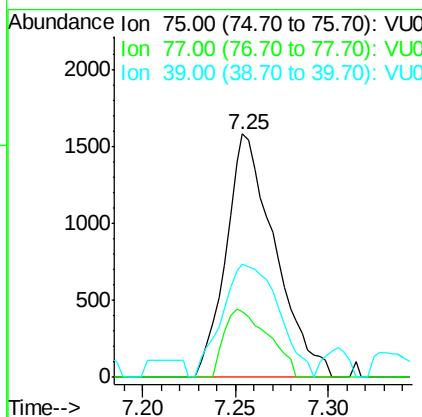
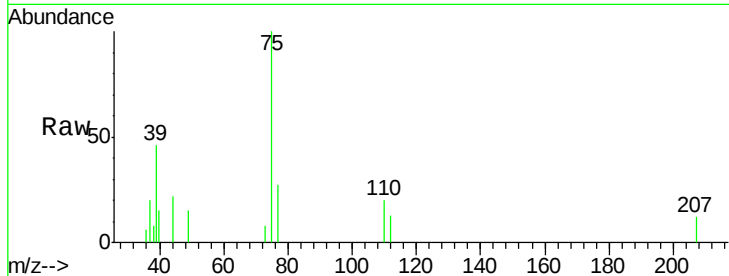
#51
 cis-1,3-Dichloropropene
 Concen: 0.239 ug/l
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
75	100		
77	27.2	25.4	38.0
39	46.2	34.5	51.7

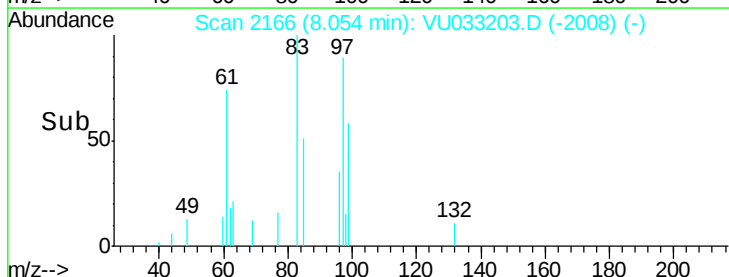
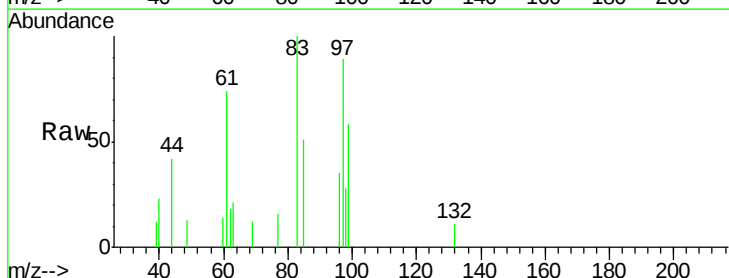
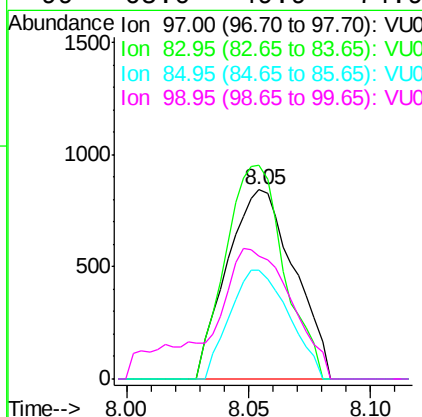
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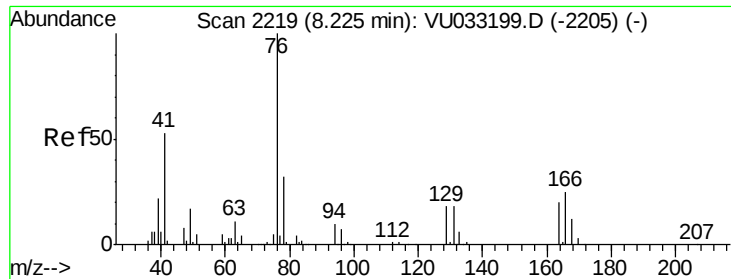
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#52
 1,1,2-Trichloroethane
 Concen: 0.242 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
97	100		
83	112.8	69.9	104.9#
85	57.8	45.2	67.8
99	65.0	49.9	74.9





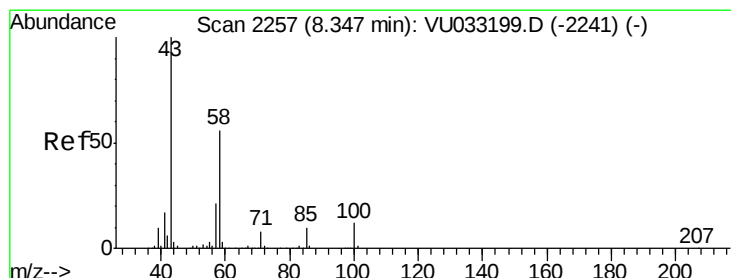
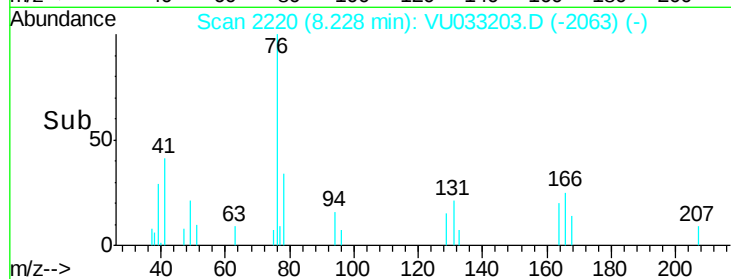
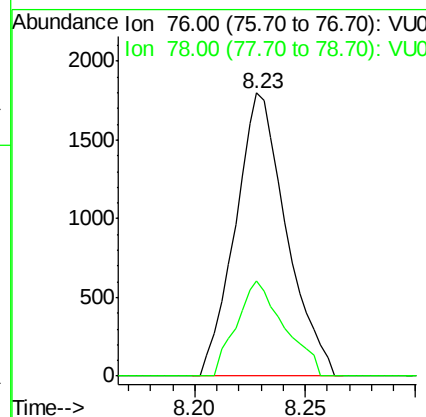
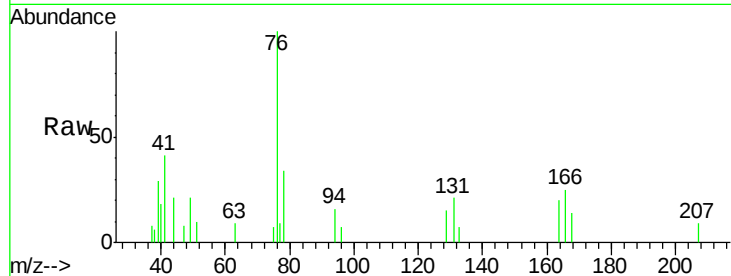
#53
 1,3-Dichloropropane
 Concen: 0.256 ug/l
 RT: 8.23 min Scan# 2220
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.9	38.9

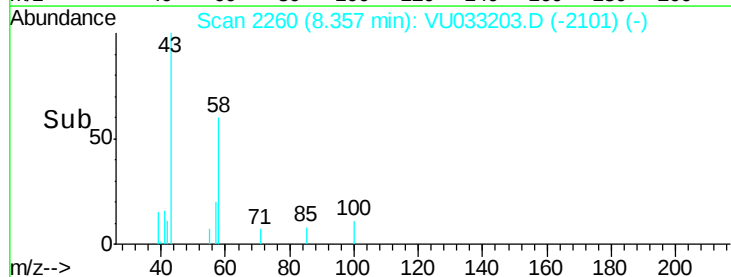
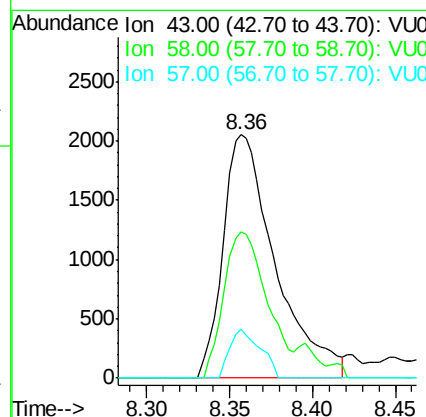
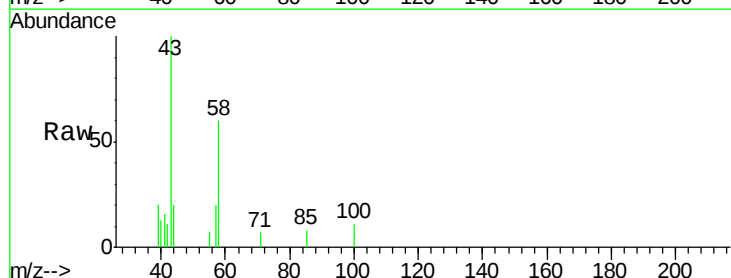
Manual Integrations
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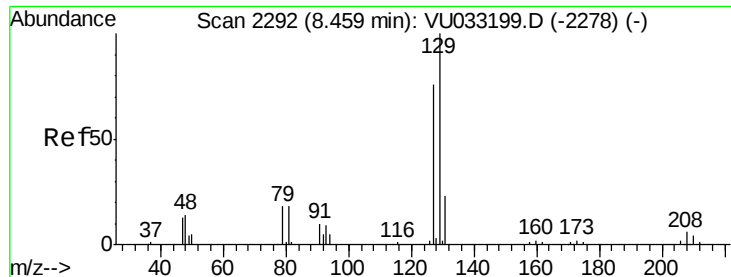
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#54
 2-Hexanone
 Concen: 1.192 ug/l
 RT: 8.36 min Scan# 2260
 Delta R.T. 0.01 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.0	35.8	75.8
57	11.6	0.2	40.2





#55

Dibromochloromethane

Concen: 0.262 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:129 Resp: 2022

Ion Ratio Lower Upper

129 100

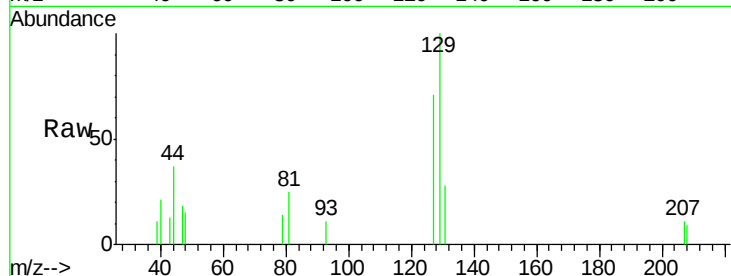
127 75.2 62.9 94.3

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

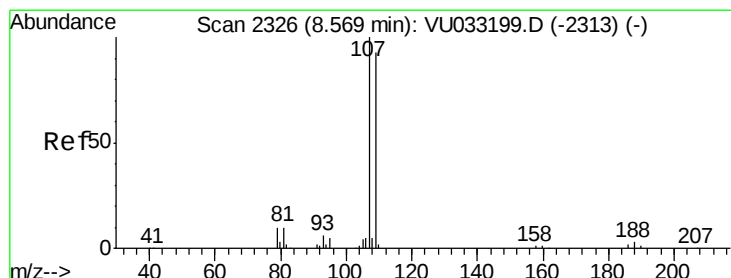
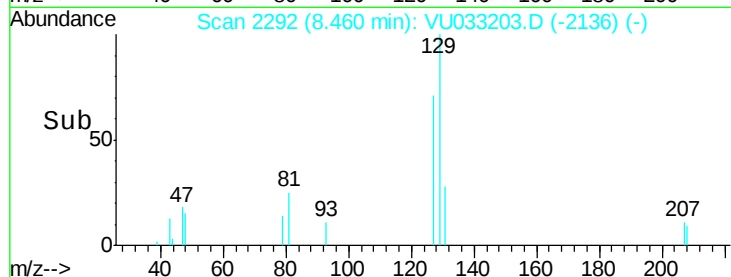
8.46

1000

500

0

Time-->



#56

1,2-Dibromoethane

Concen: 0.249 ug/l

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033203.D

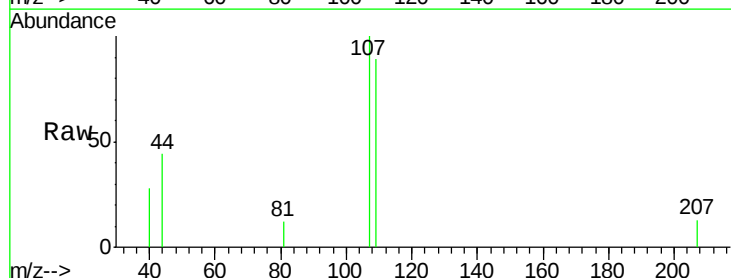
Acq: 11 Jul 2019 21:52

Tgt Ion:107 Resp: 1535

Ion Ratio Lower Upper

107 100

109 95.8 0.0 189.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.57

1000

800

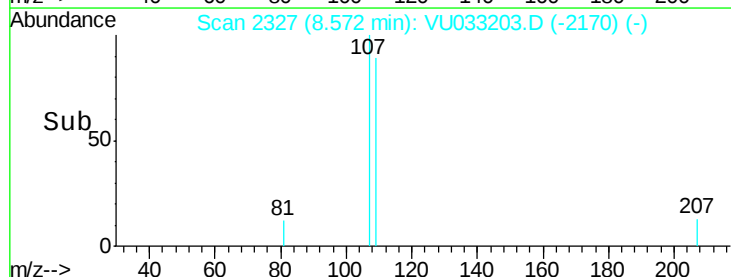
600

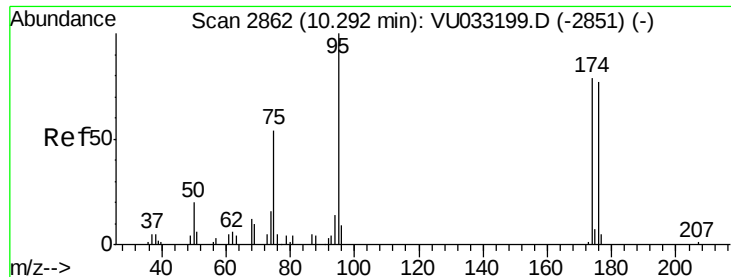
400

200

0

Time-->





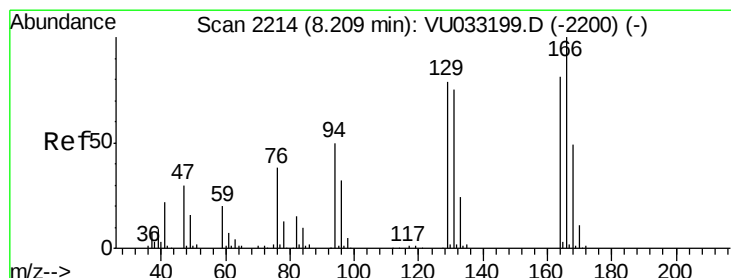
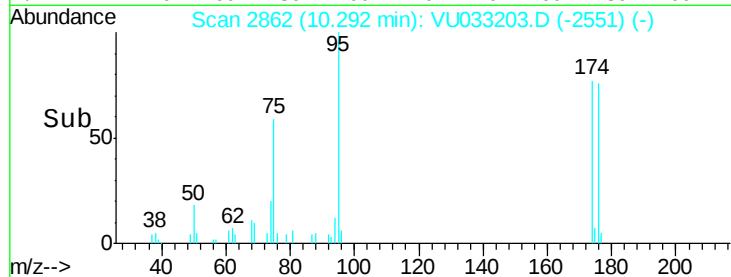
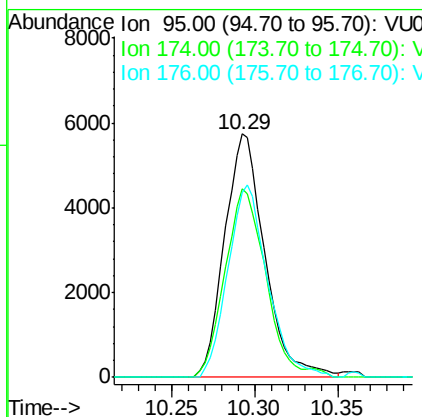
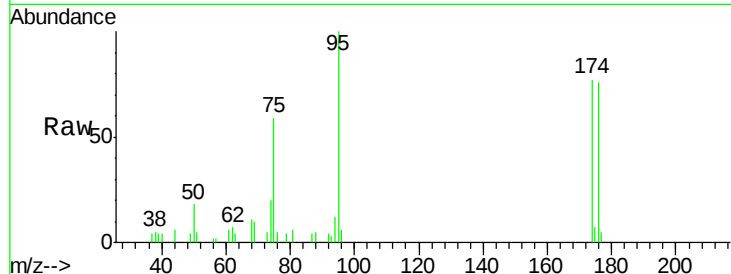
#57
4-Bromofluorobenzene
Concen: 0.913 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
95	100		
174	77.4	63.8	95.8
176	78.1	64.5	96.7

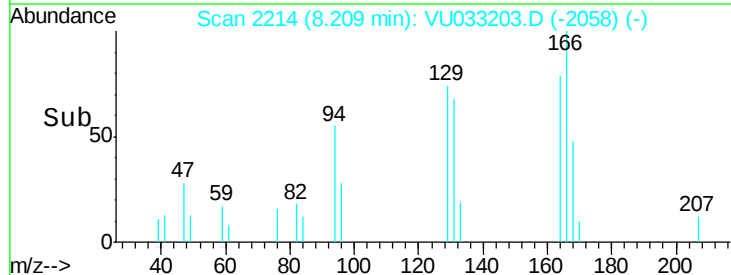
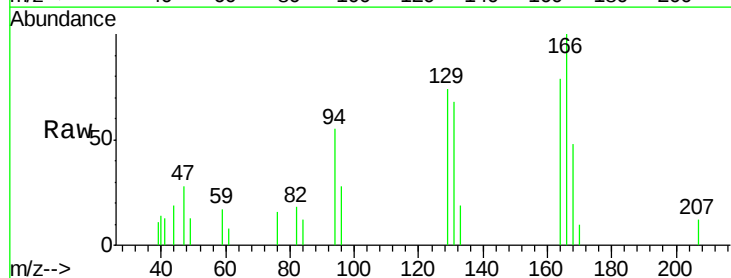
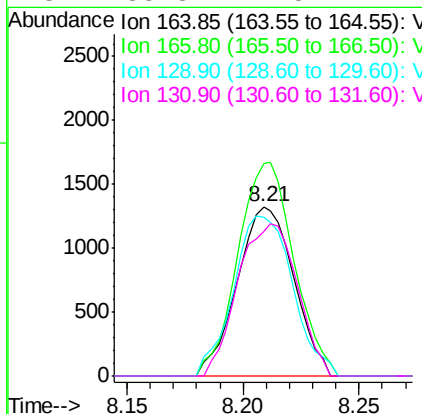
Manual Integrations
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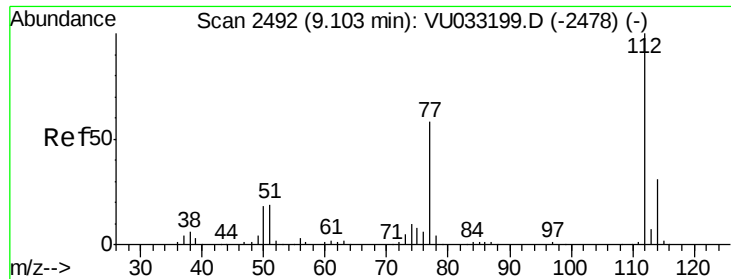
MMDadoda
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#58
Tetrachloroethene
Concen: 0.284 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	99.3	148.9
129	93.6	78.0	117.0
131	85.3	74.5	111.7





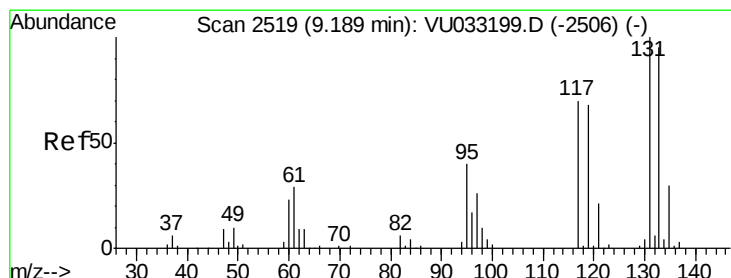
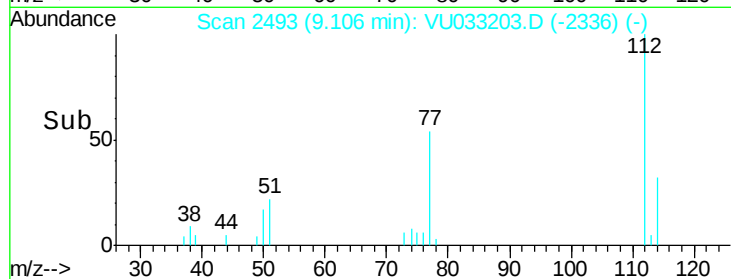
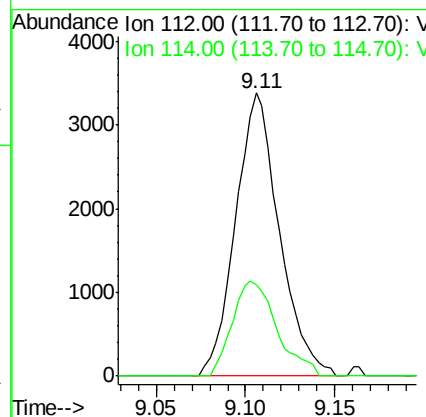
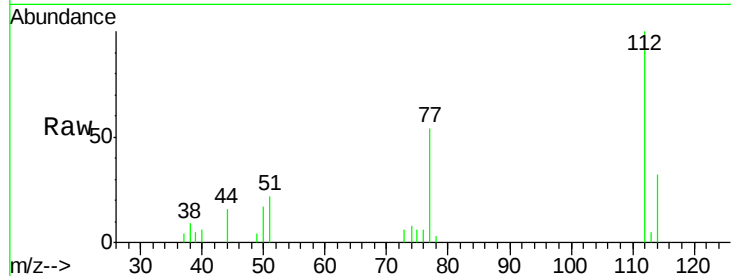
#59
Chlorobenzene
Concen: 0.262 ug/l
RT: 9.11 min Scan# 2493
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:112 Resp: 5763
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7

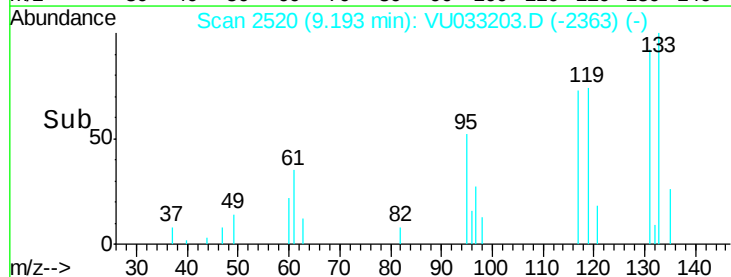
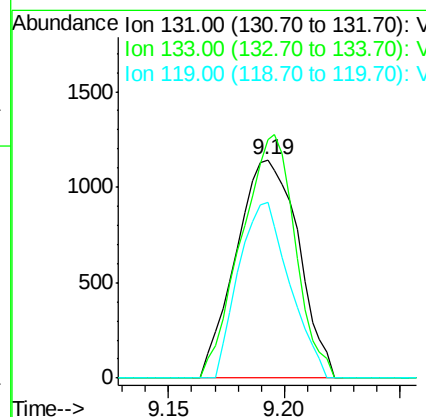
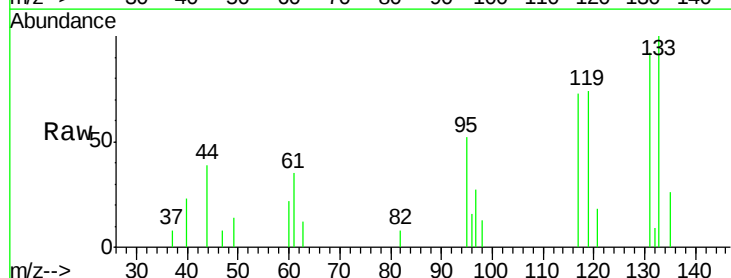
Manual Integrations
APPROVED

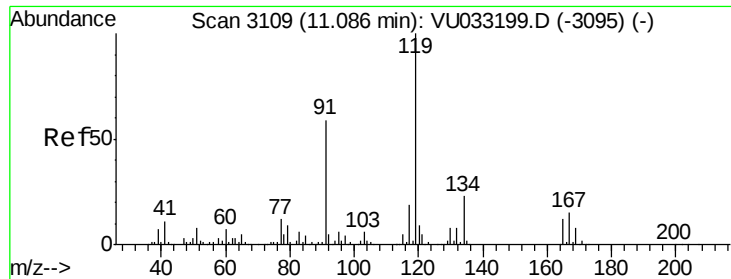
MMDadoda
7/16/2019 4:02:23 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 0.263 ug/l
RT: 9.19 min Scan# 2520
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion:131 Resp: 2130
Ion Ratio Lower Upper
131 100
133 96.6 76.7 115.1
119 65.7 54.2 81.2





#61

Pentachloroethane

Concen: 0.276 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. -0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:117 Resp: 1761

Ion Ratio Lower Upper

117 100

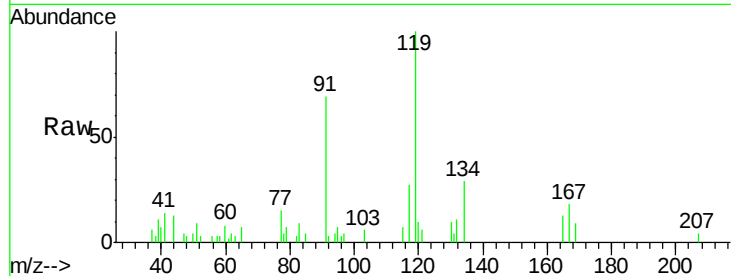
167 68.0 63.6 95.4

Manual Integrations

APPROVED

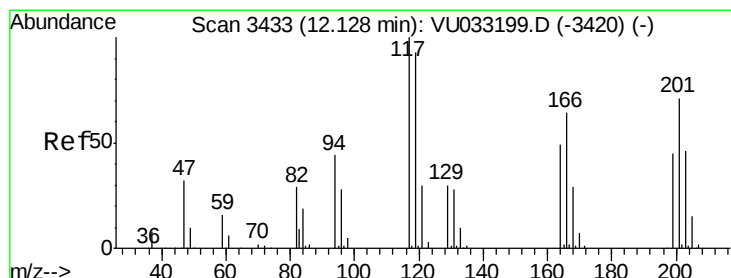
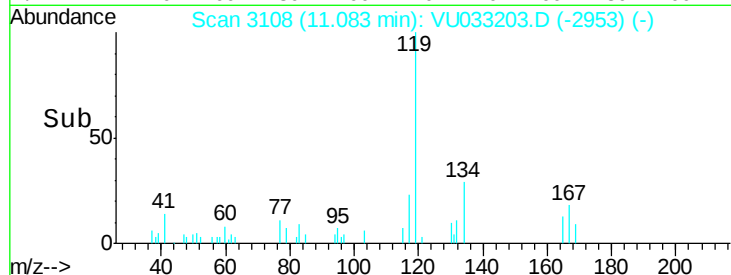
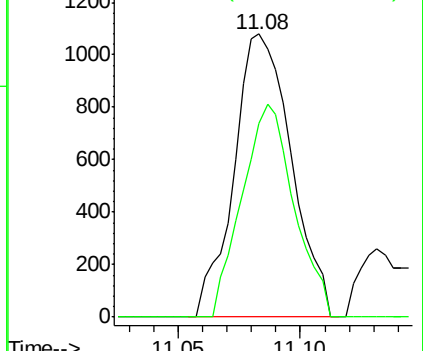
MMDadoda

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.248 ug/l

RT: 12.13 min Scan# 3433

Delta R.T. 0.00 min

Lab File: VU033203.D

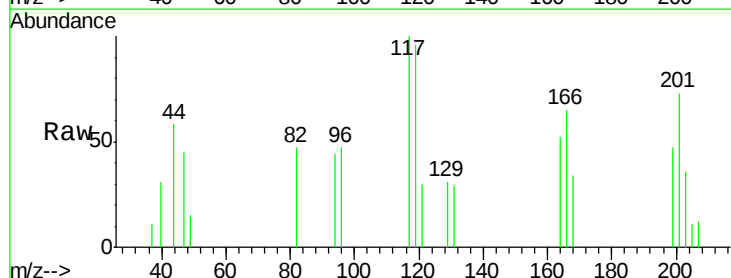
Acq: 11 Jul 2019 21:52

Tgt Ion:117 Resp: 1535

Ion Ratio Lower Upper

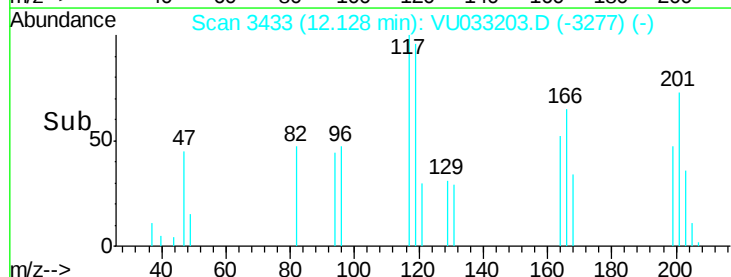
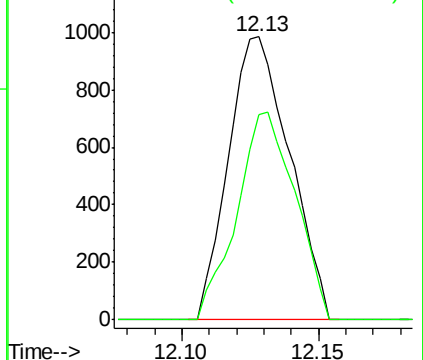
117 100

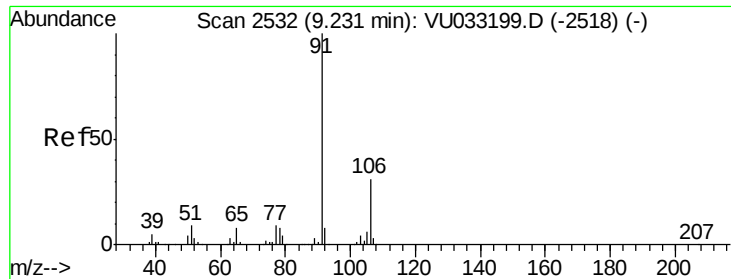
201 69.8 58.5 87.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





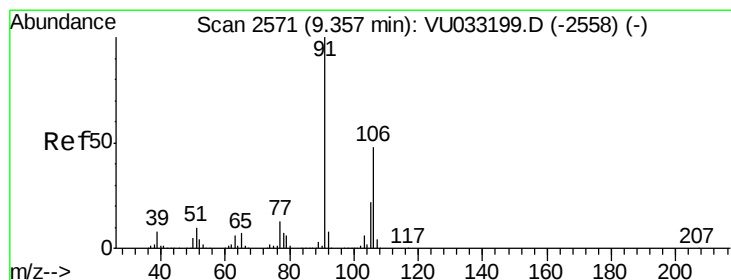
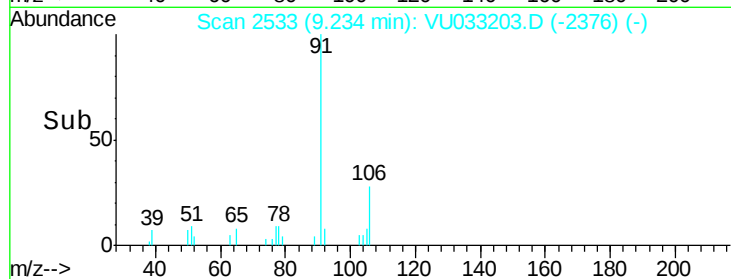
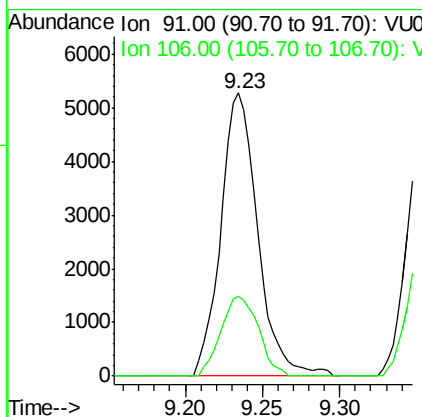
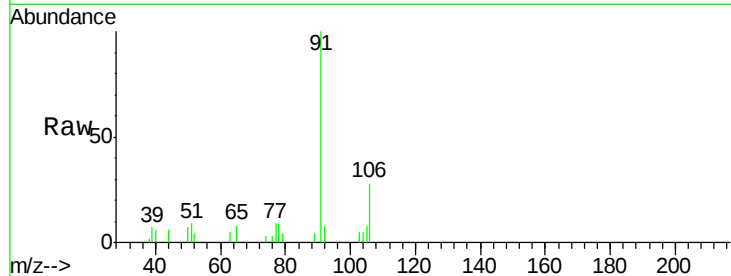
#63
Ethyl Benzene
Concen: 0.242 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 8703
Ion Ratio Lower Upper
91 100
106 28.3 24.9 37.3

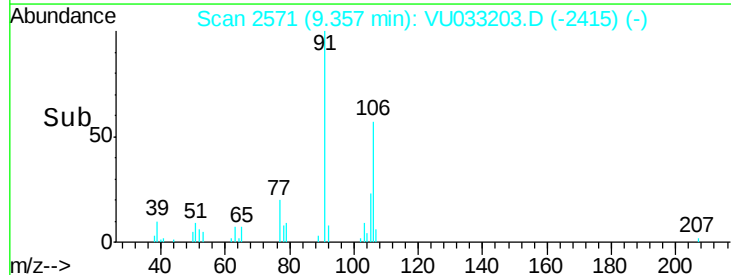
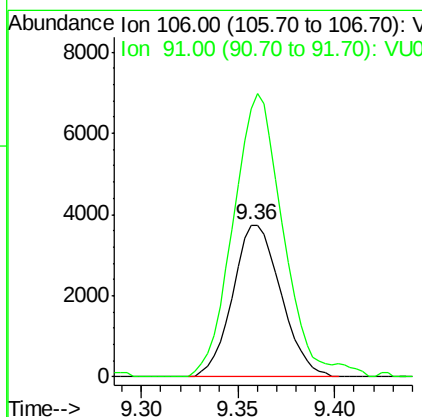
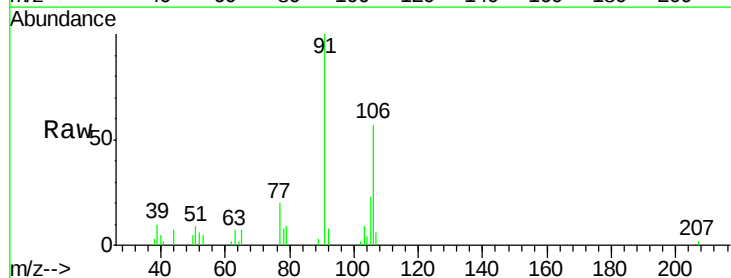
Manual Integrations
APPROVED

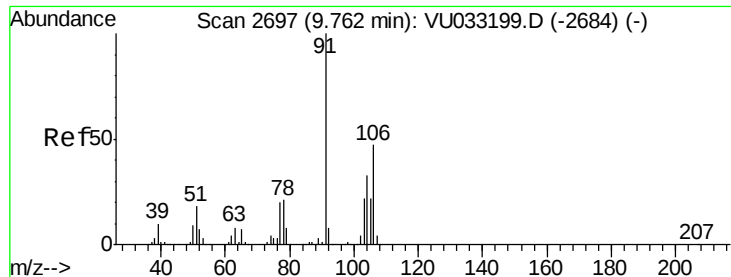
MMDadoda
7/16/2019 4:02:23 PM



#64
m/p-Xylenes
Concen: 0.463 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion: 106 Resp: 6501
Ion Ratio Lower Upper
106 100
91 193.0 164.8 247.2





#65

o-Xylene

Concen: 0.212 ug/l

RT: 9.76 min Scan# 2698

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:106 Resp: 2891

Ion Ratio Lower Upper

106 100

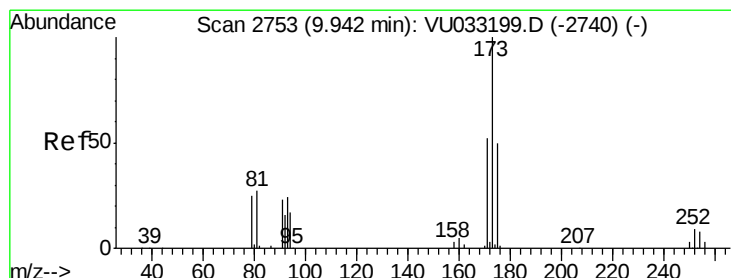
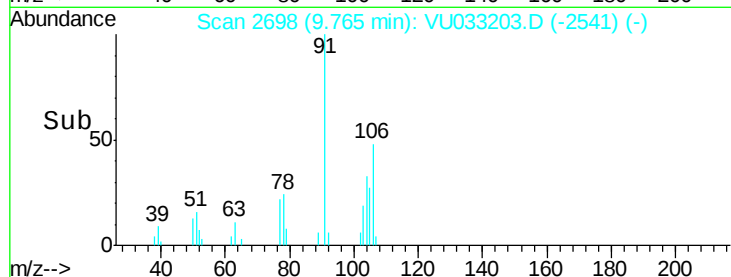
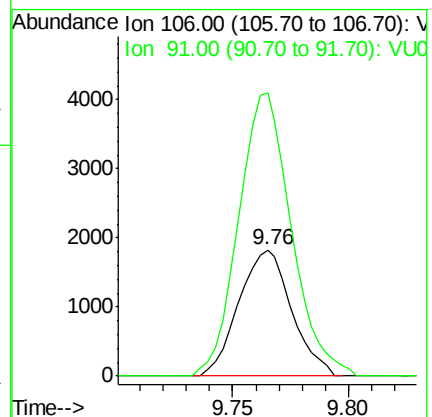
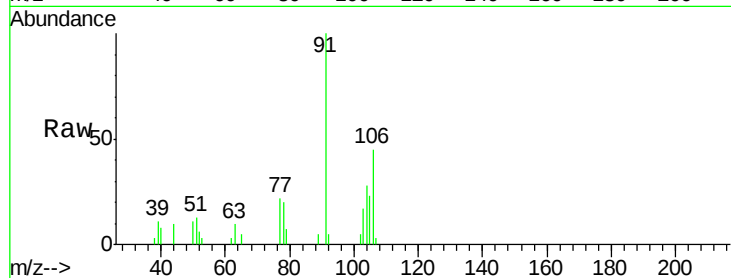
91 223.9 108.6 325.8

Manual Integrations

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#67

Bromoform

Concen: 0.247 ug/l

RT: 9.95 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

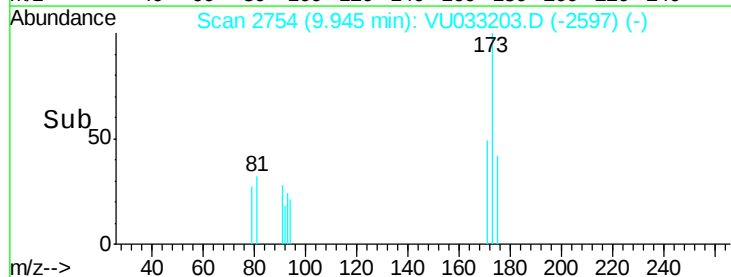
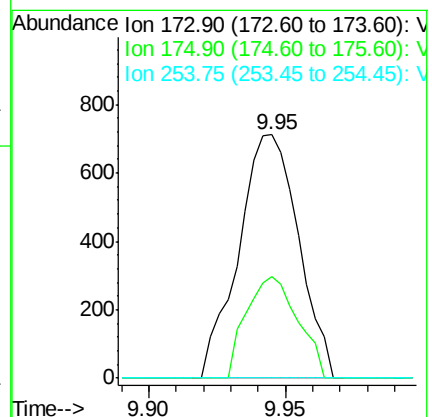
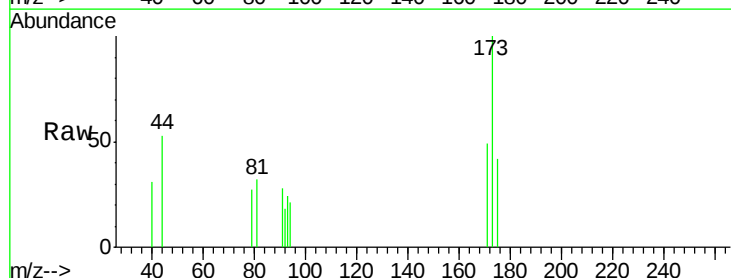
Tgt Ion:173 Resp: 1083

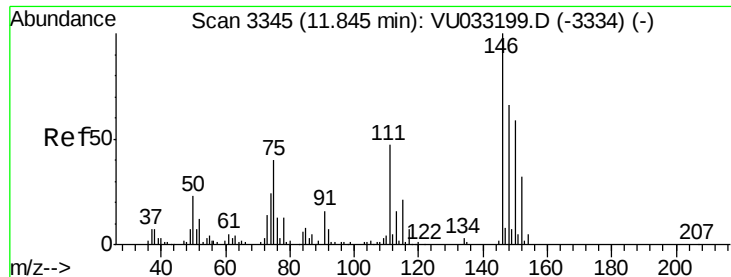
Ion Ratio Lower Upper

173 100

175 36.0 39.4 59.0#

254 0.0 6.9 10.3#





#68

1,2-Dichlorobenzene-d4

Concen: 0.928 ug/l

RT: 11.85 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:152 Resp: 10679

Ion Ratio Lower Upper

152 100

115 70.5 0.0 131.0

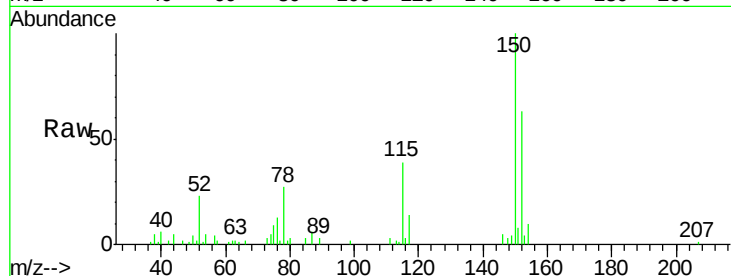
150 170.2 0.0 634.4

Manual Integrations

APPROVED

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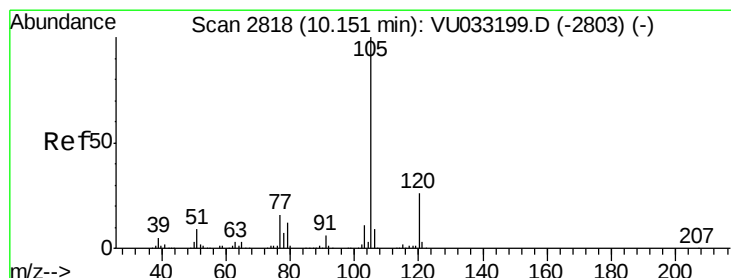
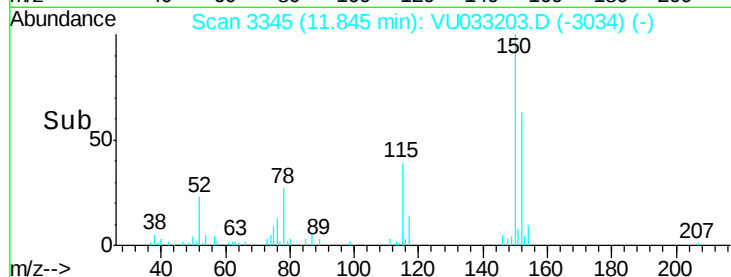
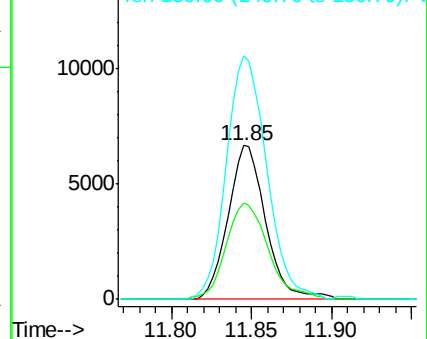
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Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#69

Isopropylbenzene

Concen: 0.225 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033203.D

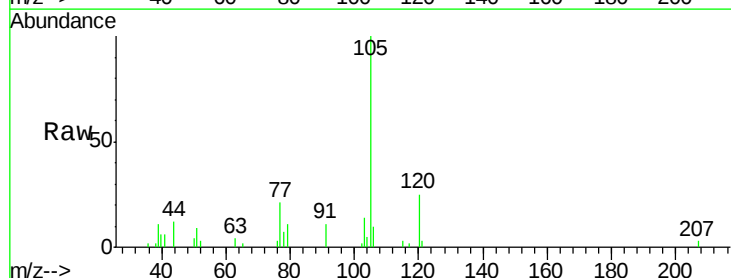
Acq: 11 Jul 2019 21:52

Tgt Ion:105 Resp: 7976

Ion Ratio Lower Upper

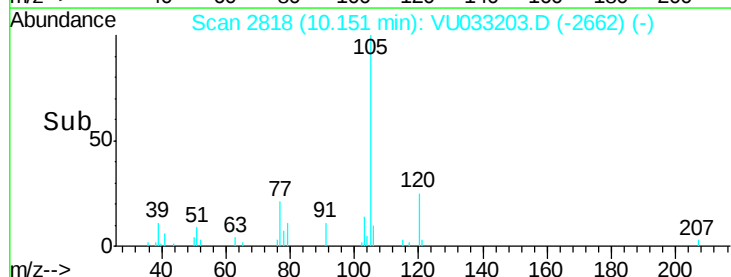
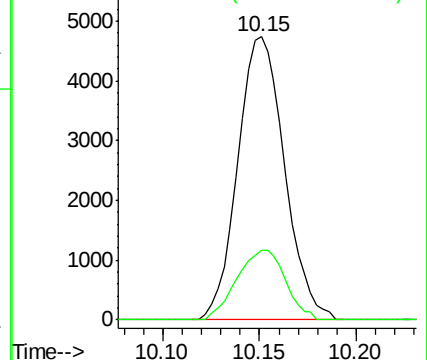
105 100

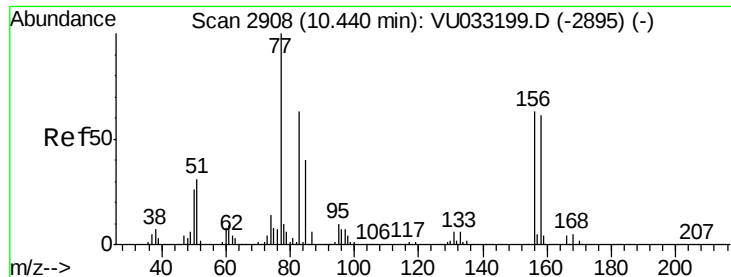
120 25.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#70

1,1,2,2-Tetrachloroethane

Concen: 0.256 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 83 Resp: 2318

Ion Ratio Lower Upper

83 100

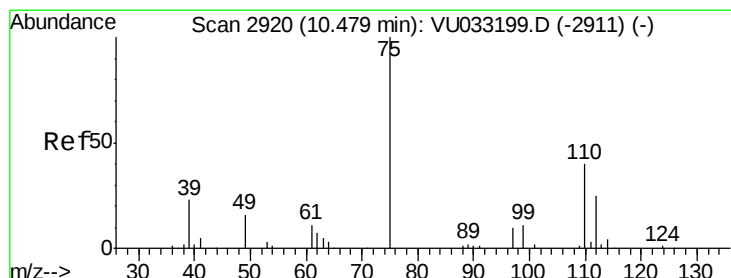
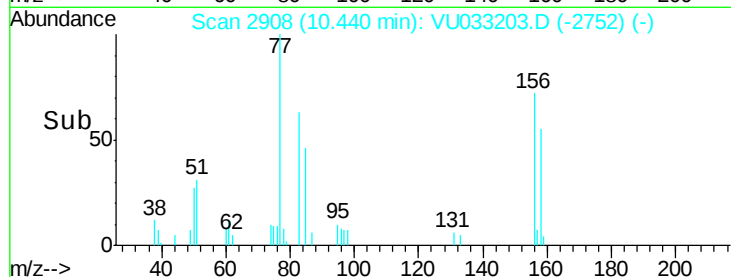
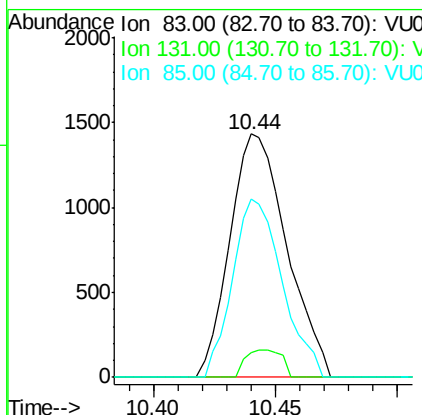
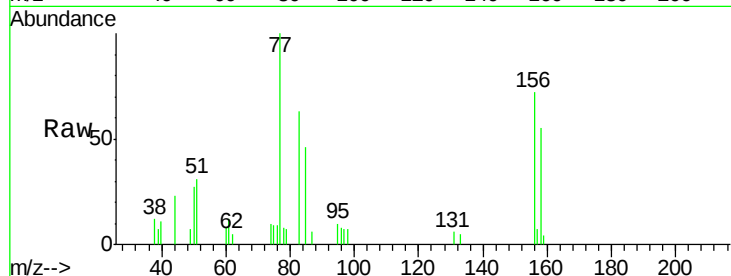
131 7.1 8.0 12.0#

85 63.8 50.6 76.0

Manual Integrations
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#71

1,2,3-Trichloropropane

Concen: 0.240 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Tgt Ion: 75 Resp: 1631

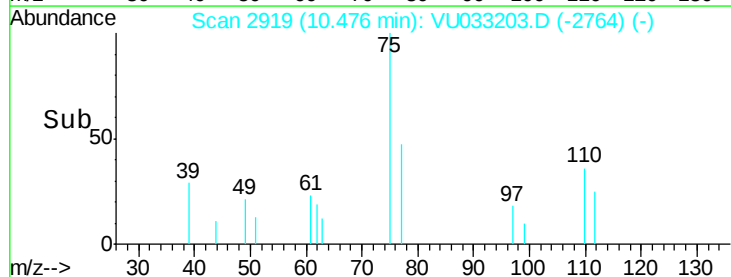
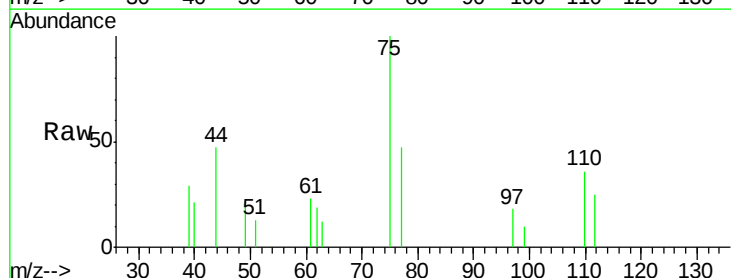
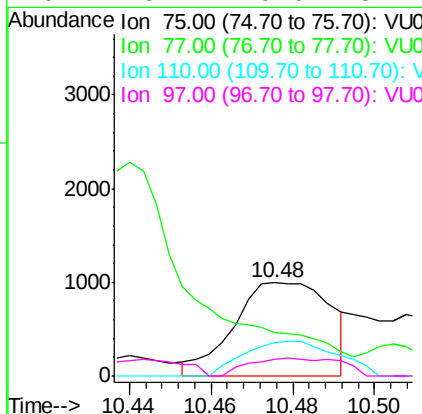
Ion Ratio Lower Upper

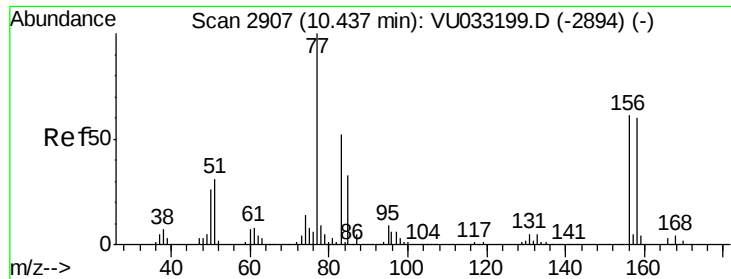
75 100

77 12.3 0.0 15.4

110 36.2 0.0 72.2

97 18.7 0.0 37.2





#72

Bromobenzene

Concen: 0.279 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

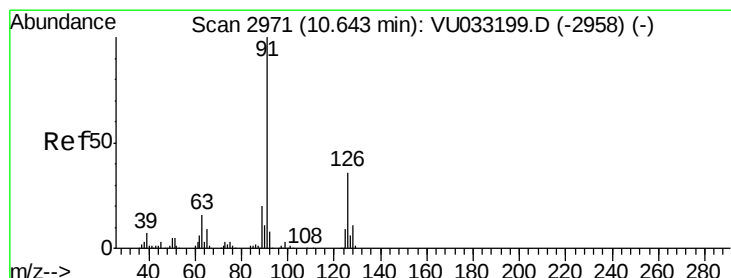
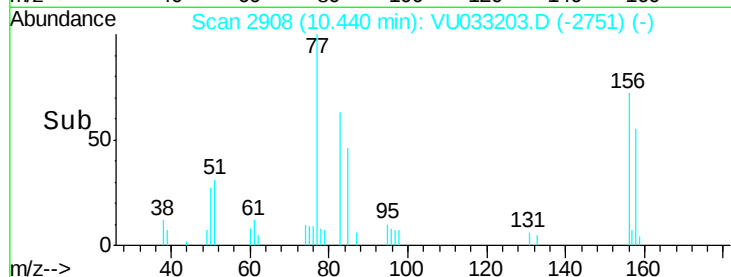
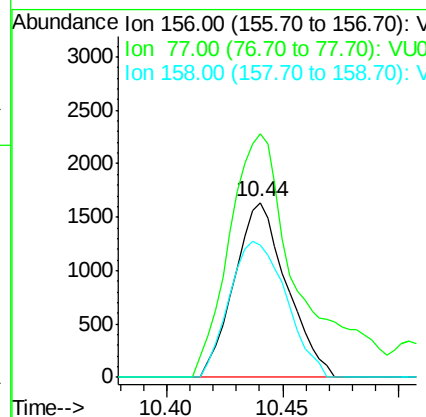
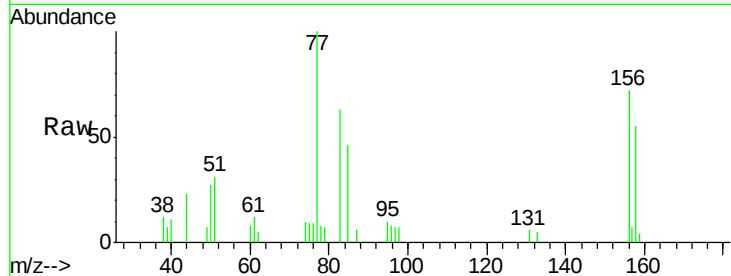
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	156	Resp:	2572
Ion Ratio	Lower	Upper	
156	100		
77	182.6	0.0	326.0
158	84.5	0.0	193.2

Manual Integrations
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#74

2-Chlorotoluene

Concen: 0.210 ug/l

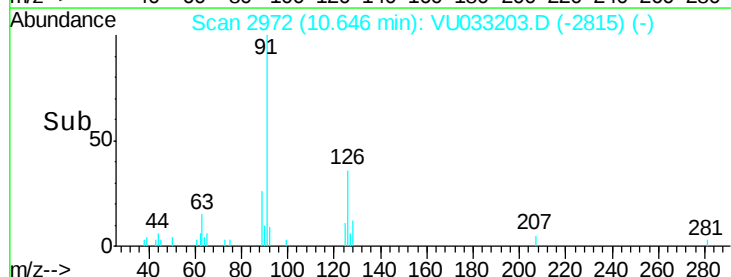
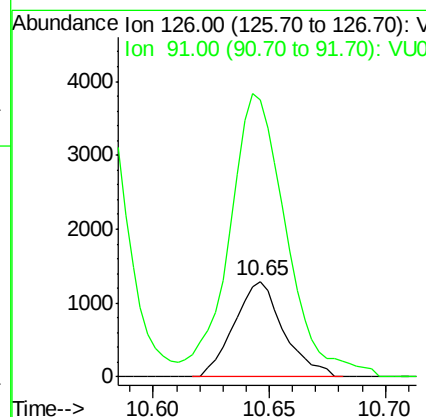
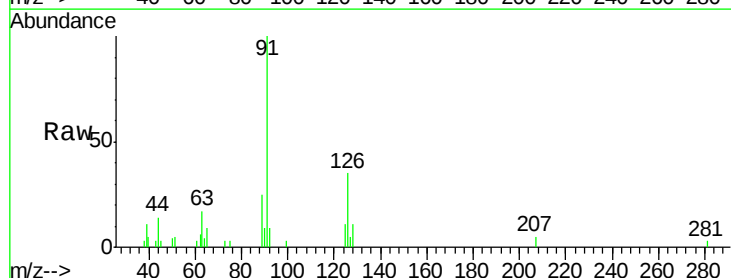
RT: 10.65 min Scan# 2972

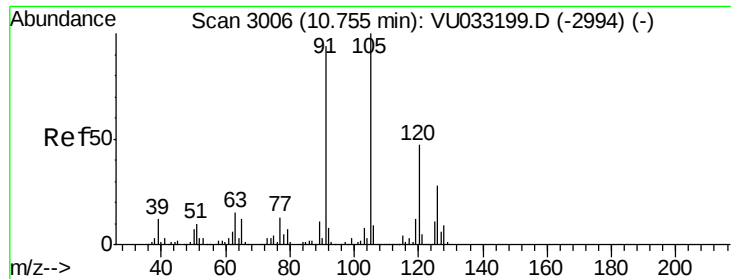
Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Tgt Ion:	126	Resp:	1910
Ion Ratio	Lower	Upper	
126	100		
91	342.5	0.0	592.2





#75

1,3,5-Trimethylbenzene

Concen: 0.219 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:105 Resp: 6736

Ion Ratio Lower Upper

105 100

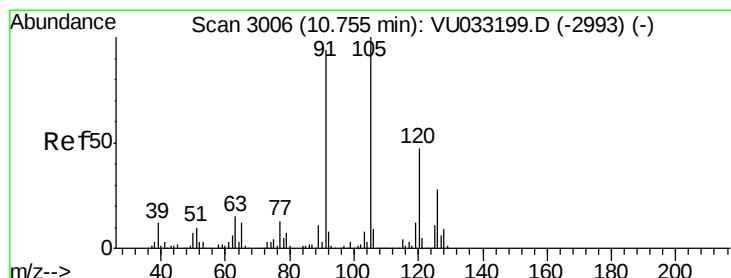
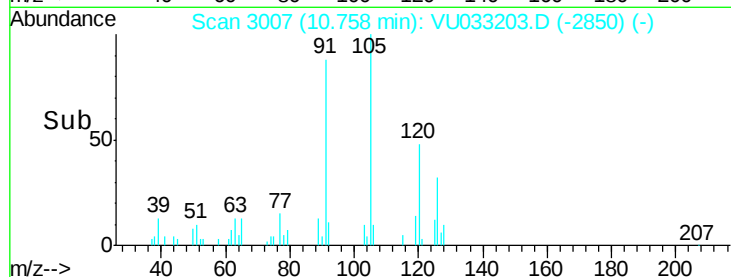
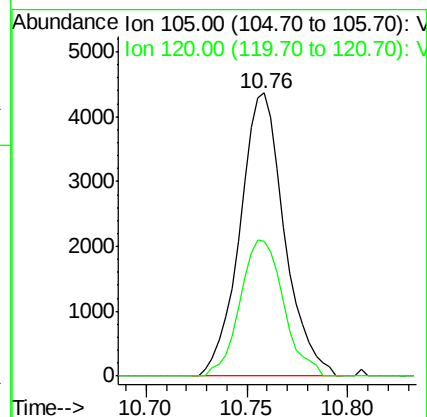
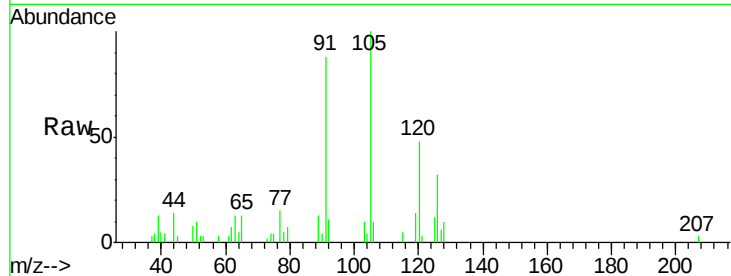
120 47.0 37.8 56.8

Manual Integrations

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#76

4-Chlorotoluene

Concen: 0.229 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033203.D

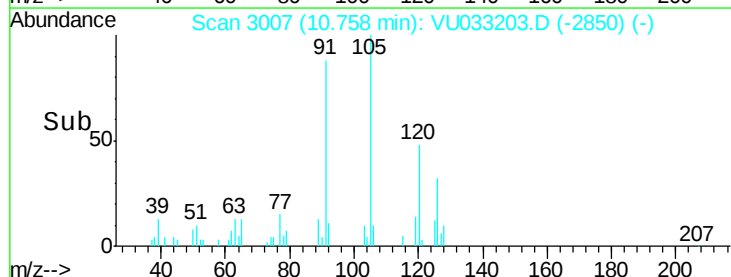
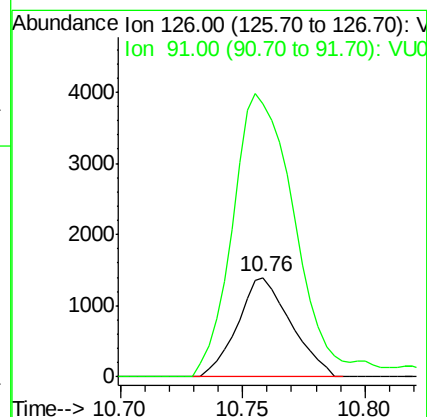
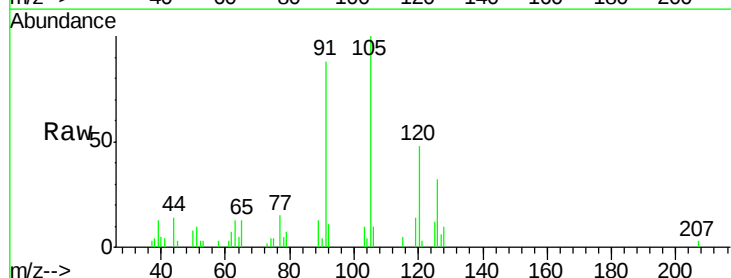
Acq: 11 Jul 2019 21:52

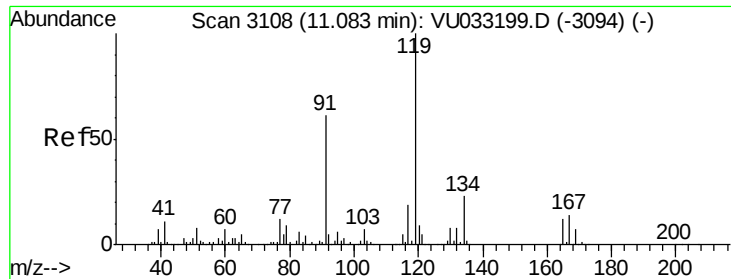
Tgt Ion:126 Resp: 2118

Ion Ratio Lower Upper

126 100

91 334.3 0.0 663.4





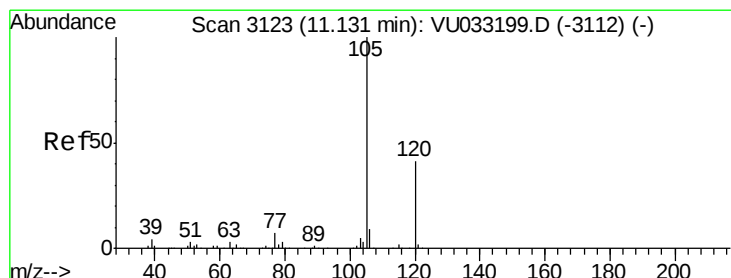
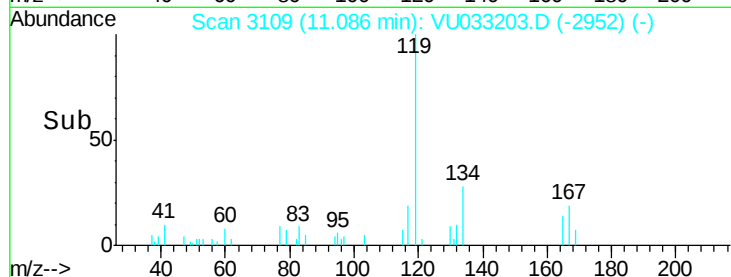
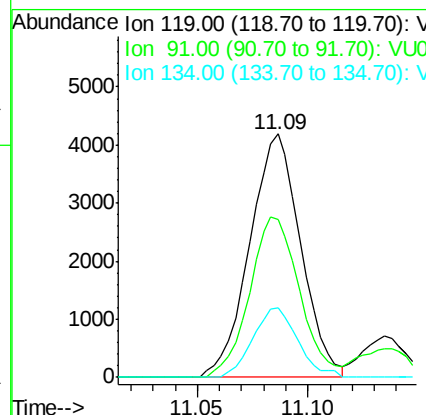
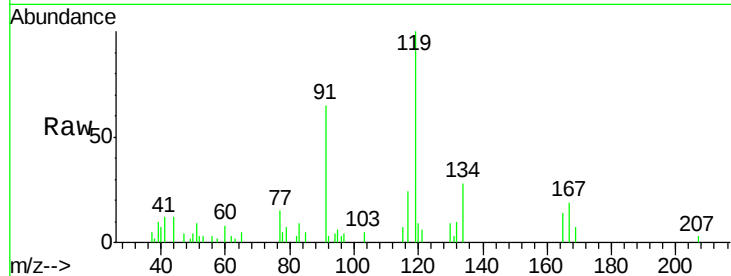
#77
 tert-Butylbenzene
 Concen: 0.226 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	29.8	89.5
134	25.1	18.2	27.4

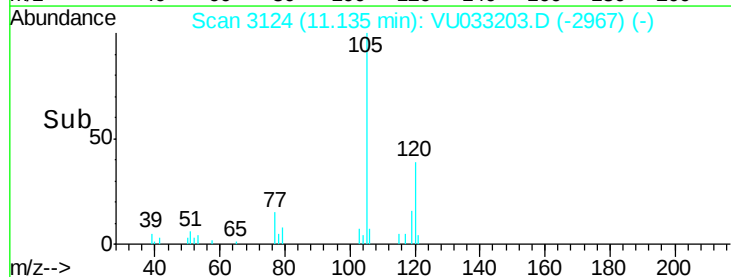
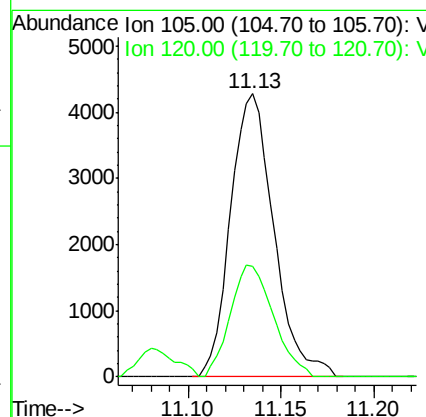
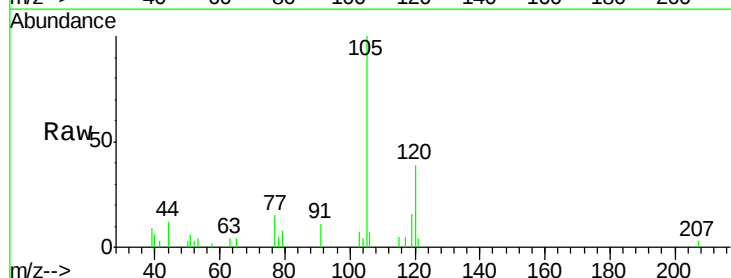
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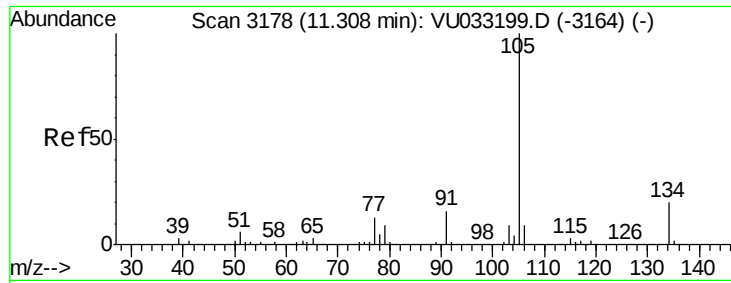
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#78
 1,2,4-Trimethylbenzene
 Concen: 0.221 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.2	22.6	67.8





#79

sec-Butylbenzene

Concen: 0.210 ug/l

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:105 Resp: 8528

Ion Ratio Lower Upper

105 100

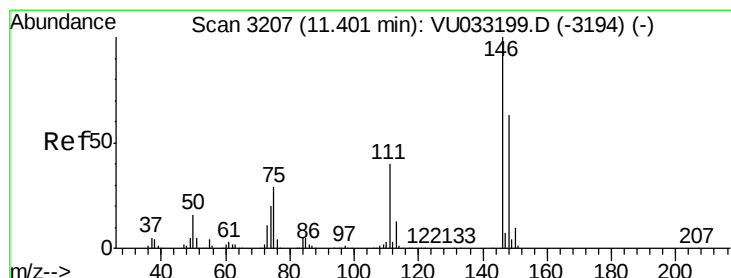
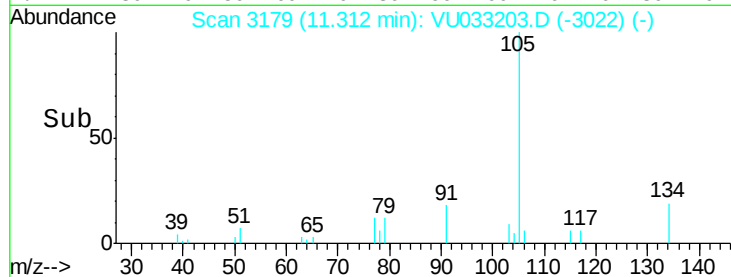
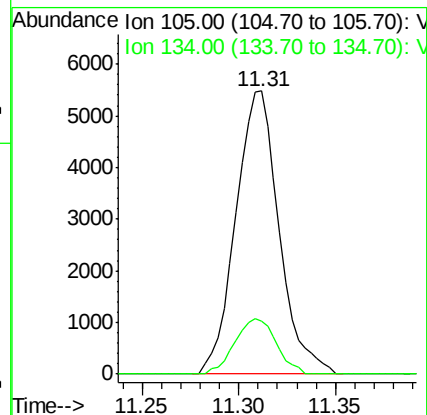
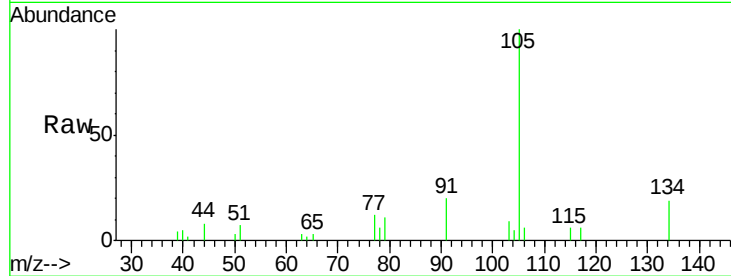
134 18.7 15.8 23.8

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#82

1,3-Dichlorobenzene

Concen: 0.253 ug/l

RT: 11.40 min Scan# 3208

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

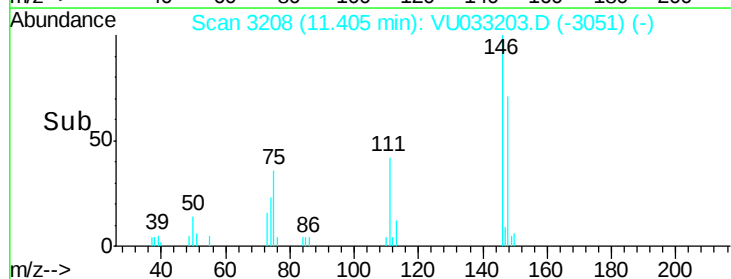
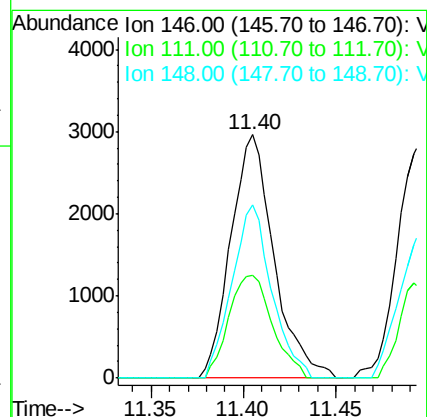
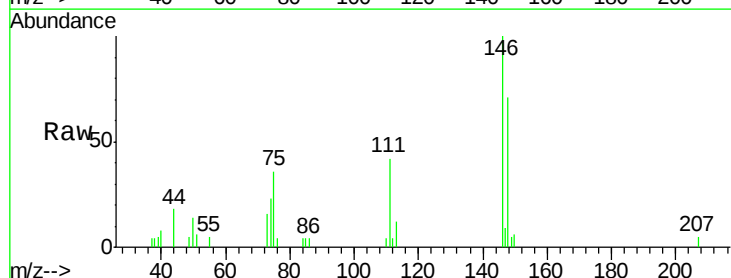
Tgt Ion:146 Resp: 4801

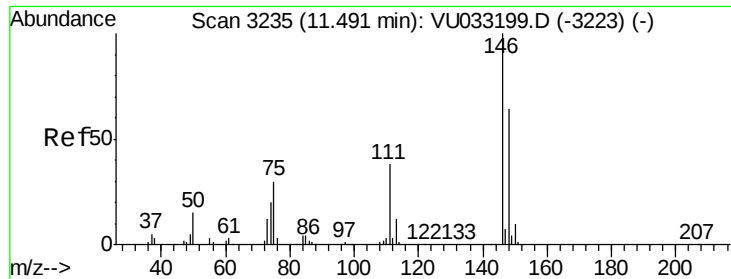
Ion Ratio Lower Upper

146 100

111 42.4 32.2 48.4

148 65.3 50.8 76.2





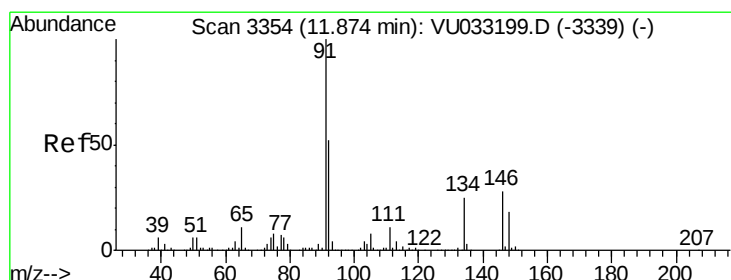
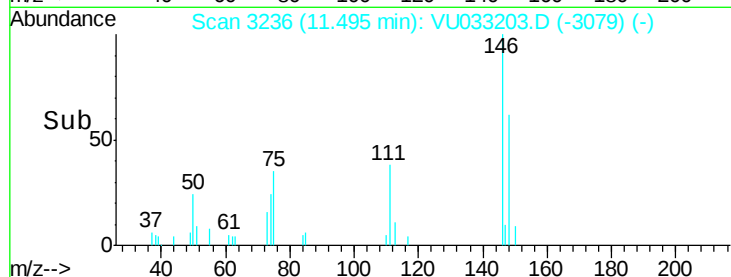
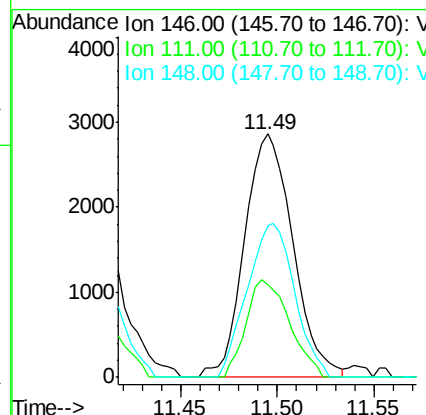
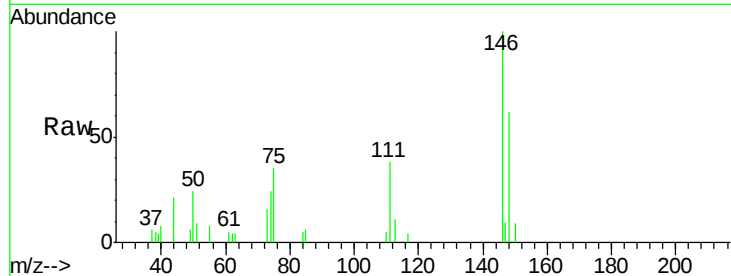
#83
 1,4-Dichlorobenzene
 Concen: 0.260 ug/l
 RT: 11.49 min Scan# 3236
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	30.8	46.2
148	61.9	50.6	76.0

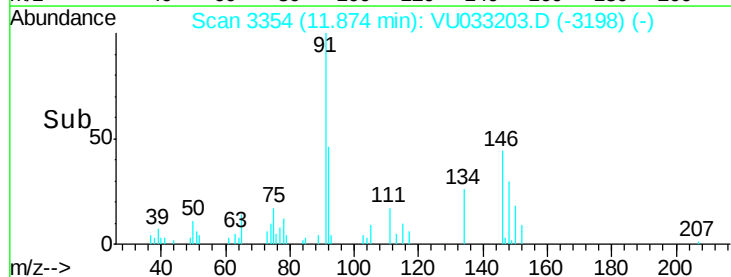
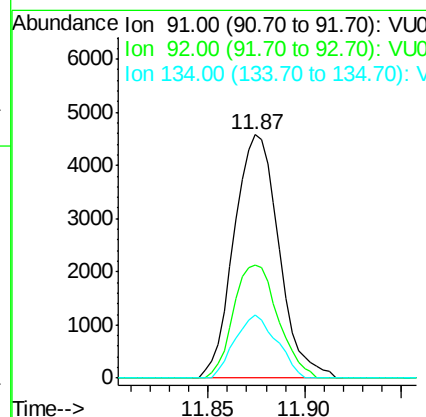
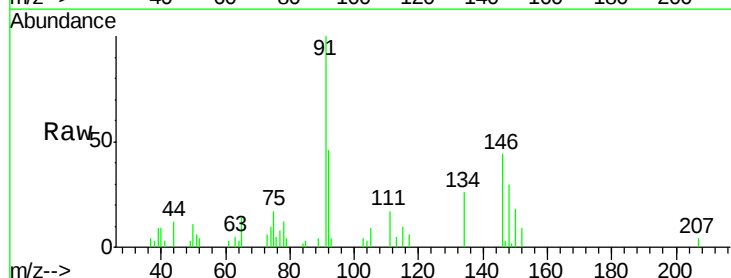
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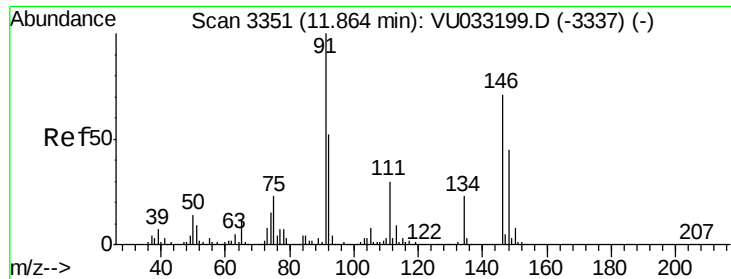
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#84
 n-Butylbenzene
 Concen: 0.225 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	46.1	41.5	62.3
134	24.0	19.6	29.4





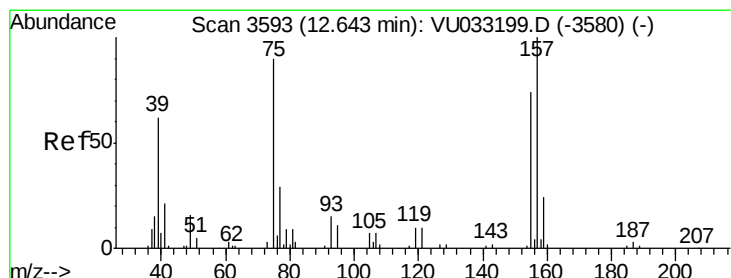
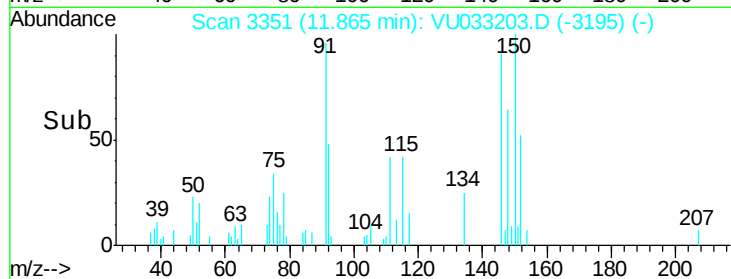
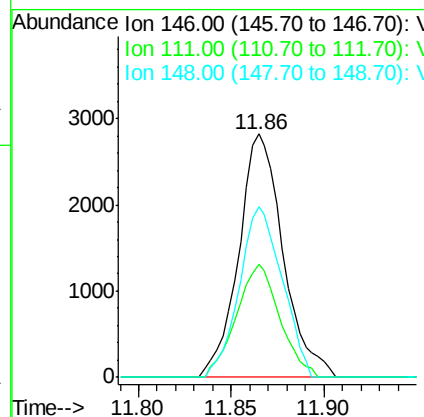
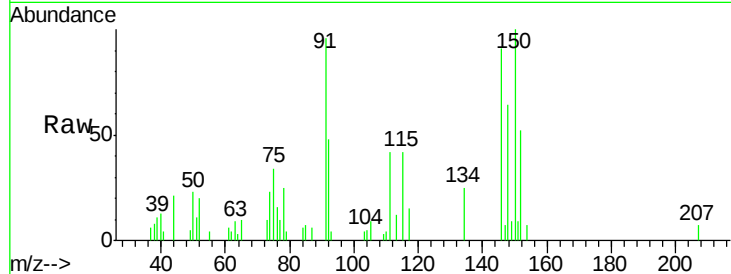
#85
 1,2-Dichlorobenzene
 Concen: 0.258 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	21.3	63.7
148	67.6	32.0	96.0

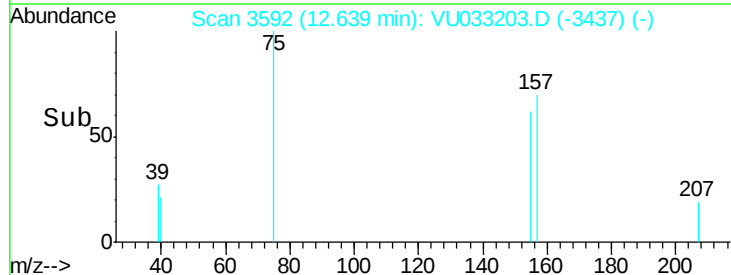
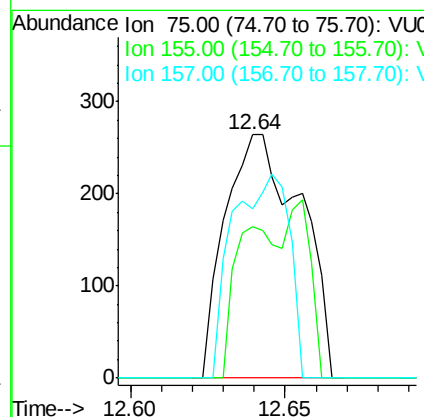
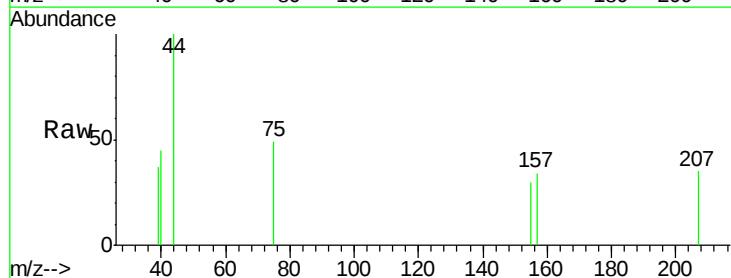
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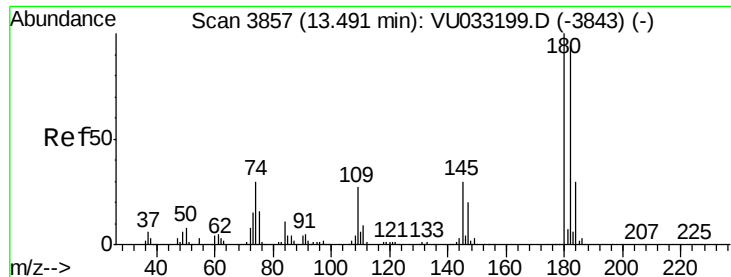
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.313 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033203.D
 Acq: 11 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	38.0	60.6	90.8#
157	62.7	82.5	123.7#





#87

1,2,4-Trichlorobenzene

Concen: 0.242 ug/l

RT: 13.49 min Scan# 3858

Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Instrument :

MSVOA_U

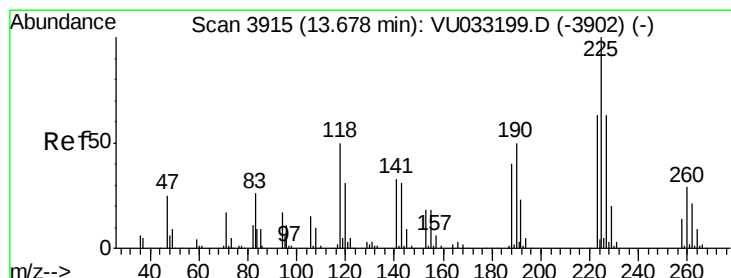
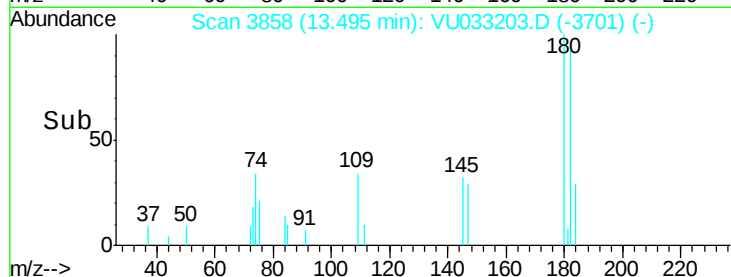
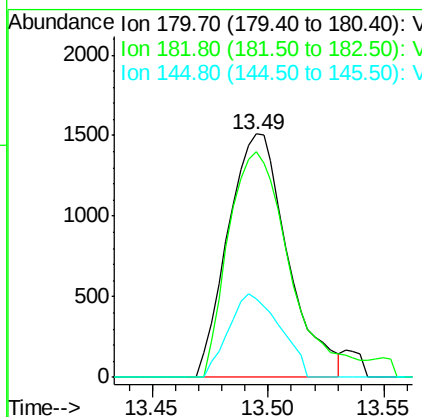
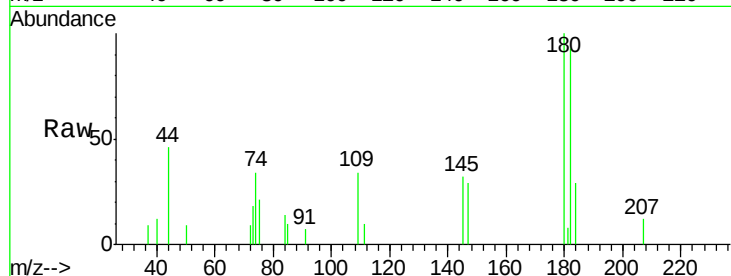
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	180	Resp:	2712
Ion Ratio	Lower	Upper	
180	100		
182	94.9	75.4	113.2
145	29.4	24.5	36.7

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#88

Hexachlorobutadiene

Concen: 0.298 ug/l

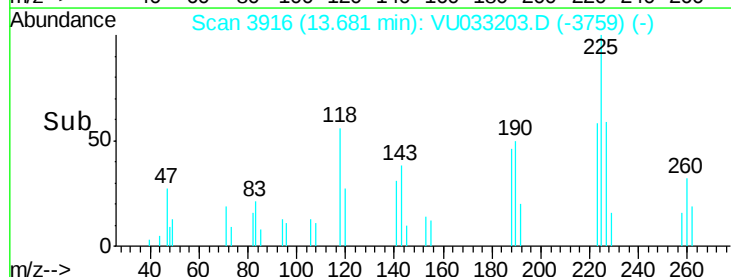
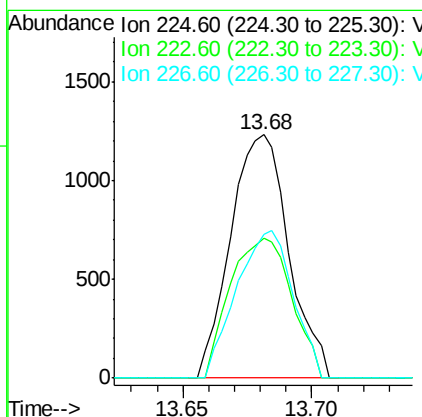
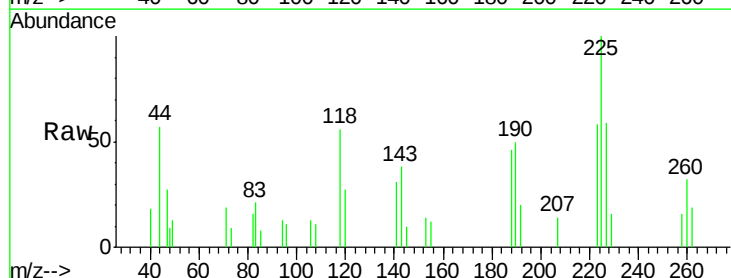
RT: 13.68 min Scan# 3916

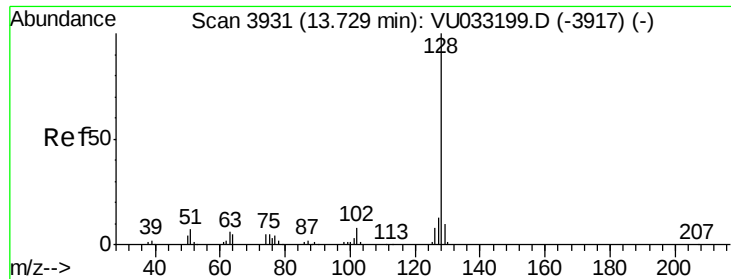
Delta R.T. 0.00 min

Lab File: VU033203.D

Acq: 11 Jul 2019 21:52

Tgt Ion:	225	Resp:	1930
Ion Ratio	Lower	Upper	
225	100		
223	61.0	51.1	76.7
227	59.1	51.2	76.8





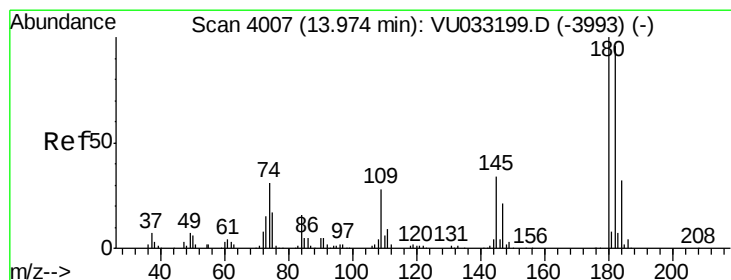
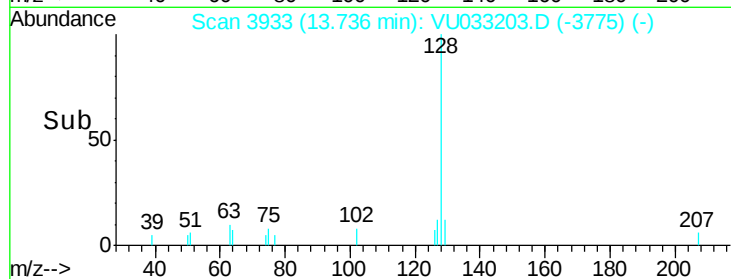
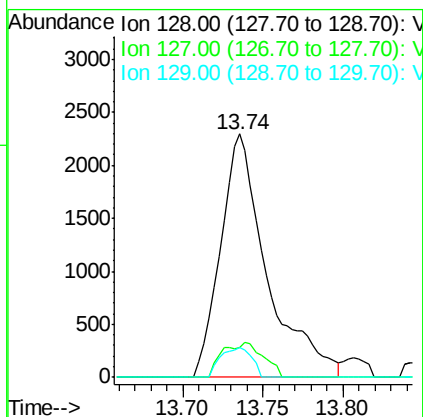
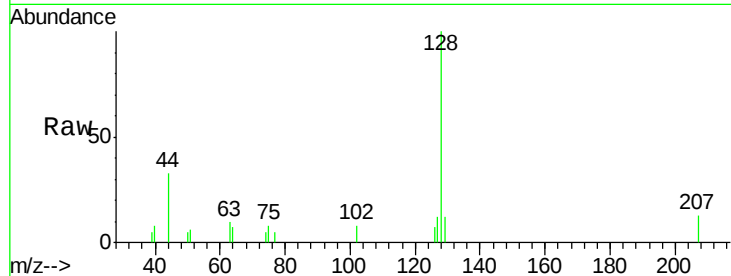
#89
Naphthalene
Concen: 0.224 ug/l
RT: 13.74 min Scan# 3933
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	8.1	8.6	12.8

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#90
1,2,3-Trichlorobenzene
Concen: 0.240 ug/l
RT: 13.98 min Scan# 4009
Delta R.T. 0.01 min
Lab File: VU033203.D
Acq: 11 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	76.2	114.4
145	29.2	26.6	40.0

