

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042619\
 Data File : VU031515.D
 Acq On : 26 Apr 2019 00:44
 Operator : JC/SP
 Sample : K2241-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 LOQ-WATER-02-QT2-2019

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 12:23:04 PM

Quant Time: Apr 26 05:55:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U042619DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 26 04:42:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	65264	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21657	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	21757	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	30019	1.019	ug/l	95
3) Chloromethane	1.32	50	35940	1.022	ug/l	99
4) Vinyl Chloride	1.40	62	33441	0.999	ug/l	94
5) Bromomethane	1.63	94	17966	1.108	ug/l	97
6) Chloroethane	1.70	64	18043	0.975	ug/l	90
7) Trichlorofluoromethane	1.88	101	37765	0.991	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	18692	0.994	ug/l	95
9) 1,1-Dichloroethene	2.28	96	19466	1.042	ug/l	94
10) Iodomethane	2.41	142	11967	0.582	ug/l	92
11) Allyl Chloride	2.59	41	40345	0.986	ug/l	98
12) Acrylonitrile	2.94	53	11864	2.096	ug/l	94
13) Acetone	2.33	43	26354	5.109	ug/l	97
14) Carbon Disulfide	2.48	76	73349	1.023	ug/l	97
15) Methylene Chloride	2.70	84	25809	1.090	ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	20906	1.000	ug/l	99
17) 1,1-Dichloroethane	3.44	63	43109	0.989	ug/l	100
18) 2-Butanone	4.28	43	33087	4.909	ug/l	92
19) Cyclohexane	4.99	56	29116m	0.868	ug/l	
20) Methylcyclohexane	6.41	83	23466	0.871	ug/l	96
21) 2,2-Dichloropropane	4.22	77	27491	0.863	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	20796	0.930	ug/l	94
23) Diethyl Ether	2.10	59	17186	0.960	ug/l #	85
24) tert-Butyl Alcohol	2.85	59	20315	10.937	ug/l #	94
25) Methyl tert-Butyl Ether	3.00	73	54761	1.006	ug/l	96
26) Bromochloromethane	4.55	128	9361	0.991	ug/l	87
27) Chloroform	4.67	83	40362	0.999	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	32659	0.960	ug/l	97
29) 1,1-Dichloropropene	5.13	75	26912	0.976	ug/l	98
30) Carbon Tetrachloride	5.13	117	29726	1.025	ug/l	99
31) Isopropyl Ether	3.57	45	61455	0.941	ug/l	93
32) Ethyl-t-butyl ether	4.07	59	49824	0.940	ug/l	98
33) Tert-Amyl methyl ether	5.58	73	40097	0.951	ug/l	99
34) Propionitrile	4.35	54	6852m	3.790	ug/l	
35) Benzene	5.39	78	80433	0.954	ug/l	98
36) 1,2-Dichloroethane	5.41	62	27096	0.986	ug/l	99
37) Trichloroethene	6.19	130	19533	0.947	ug/l	93
38) 1,2-Dichloropropane	6.43	63	22748	0.955	ug/l	92
39) Methacrylonitrile	4.56	41	6994	0.922	ug/l #	84
40) Methyl acrylate	4.44	55	7193m	0.937	ug/l	
41) Tetrahydrofuran	4.66	42	7749	1.864	ug/l #	80
42) 1-Chlorobutane	5.06	56	38492	0.920	ug/l	95

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Quant Time: Apr 26 05:55:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U042619DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 26 04:42:12 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	11813	1.009	ug/l	96
44) Bromodichloromethane	6.76	83	28188	0.969	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	62163	4.437	ug/l	94
46) t-1,4-Dichloro-2-butene	10.51	75	6893m	1.603	ug/l	
47) Methyl methacrylate	6.63	69	14726	1.628	ug/l	95
48) Ethyl methacrylate	8.03	69	13705	0.871	ug/l	92
49) Toluene	7.64	92	36415	0.831	ug/l	89
50) t-1,3-Dichloropropene	7.88	75	20650	0.901	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	23935	0.858	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	15071	0.987	ug/l	87
53) 1,3-Dichloropropane	8.24	76	25860	0.965	ug/l	98
54) 2-Hexanone	8.37	43	39597	4.192	ug/l	91
55) Dibromochloromethane	8.48	129	16964	0.985	ug/l	100
56) 1,2-Dibromoethane	8.59	107	13092	0.958	ug/l	95
58) Tetrachloroethene	8.22	164	18636	0.937	ug/l	92
59) Chlorobenzene	9.12	112	42478	0.924	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.21	131	16783	0.936	ug/l	97
61) Pentachloroethane	11.10	117	11965	0.942	ug/l	97
62) Hexachloroethane	12.14	117	13014	1.040	ug/l	94
63) Ethyl Benzene	9.25	91	65725	0.873	ug/l	98
64) m/p-Xylenes	9.37	106	44821	1.591	ug/l	94
65) o-Xylene	9.78	106	21854	0.798	ug/l	94
66) Styrene	9.79	104	35597	0.946	ug/l	97
67) Bromoform	9.96	173	9358	0.971	ug/l #	96
69) Isopropylbenzene	10.16	105	59341	0.828	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.45	83	20448	1.040	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	13977m	0.975	ug/l	
72) Bromobenzene	10.45	156	16842	0.926	ug/l	96
73) n-propylbenzene	10.58	120	15454	0.833	ug/l	99
74) 2-Chlorotoluene	10.66	126	14918	0.844	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	48649	0.897	ug/l	99
76) 4-Chlorotoluene	10.77	126	15131	0.915	ug/l	95
77) tert-Butylbenzene	11.10	119	48592	0.848	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	47677	0.877	ug/l	99
79) sec-Butylbenzene	11.32	105	65738	0.841	ug/l	99
81) p-Isopropyltoluene	11.47	119	47468	0.916	ug/l	96
82) 1,3-Dichlorobenzene	11.42	146	33971	0.945	ug/l	96
83) 1,4-Dichlorobenzene	11.51	146	32974	0.955	ug/l	99
84) n-Butylbenzene	11.89	91	49494	1.026	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	32889	0.962	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	2972	1.050	ug/l #	81
87) 1,2,4-Trichlorobenzene	13.51	180	13996	1.029	ug/l	99
88) Hexachlorobutadiene	13.69	225	11671	0.930	ug/l	97
89) Naphthalene	13.75	128	22931	1.179	ug/l #	97
90) 1,2,3-Trichlorobenzene	13.99	180	14676	0.828	ug/l	96

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

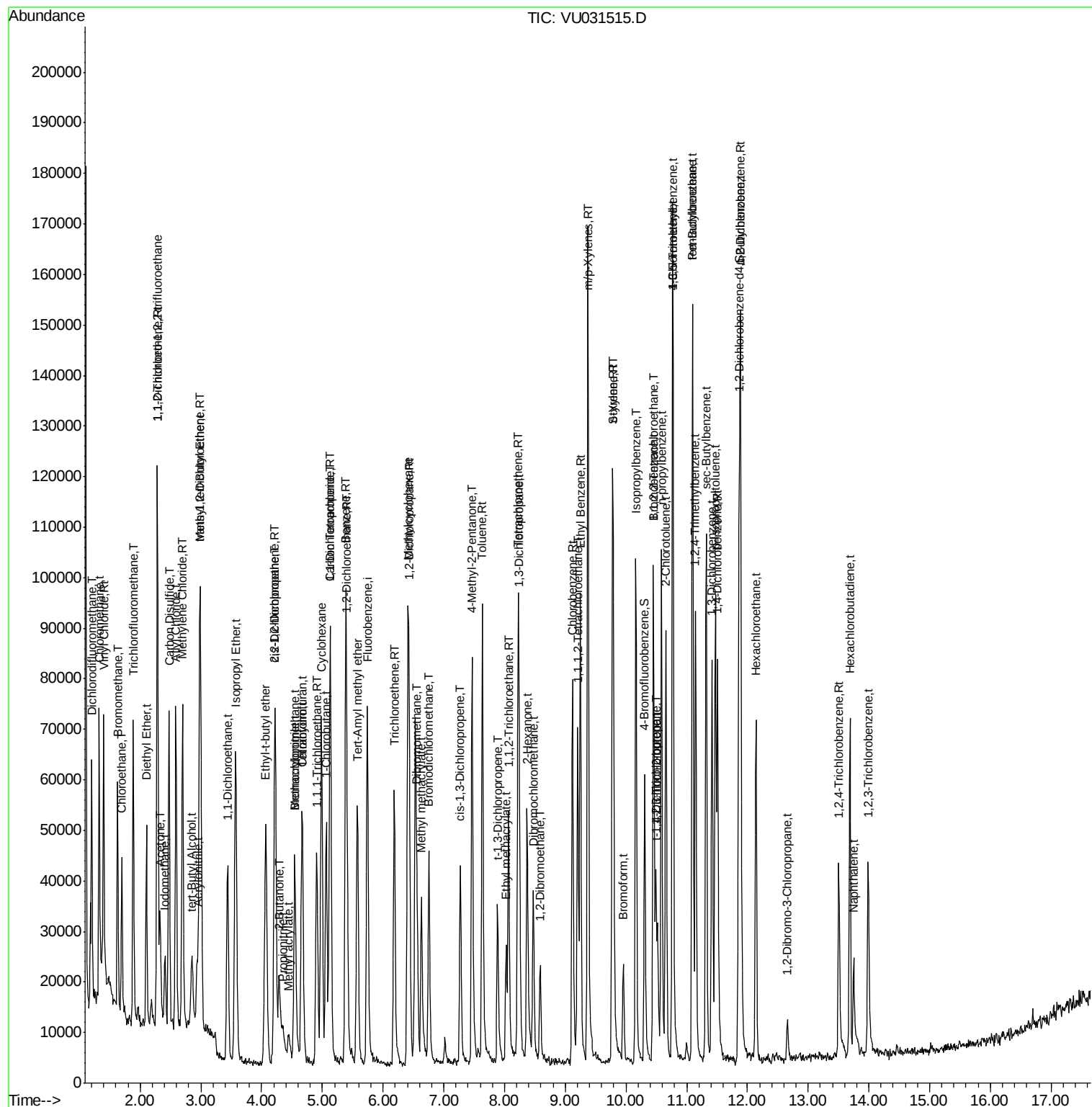
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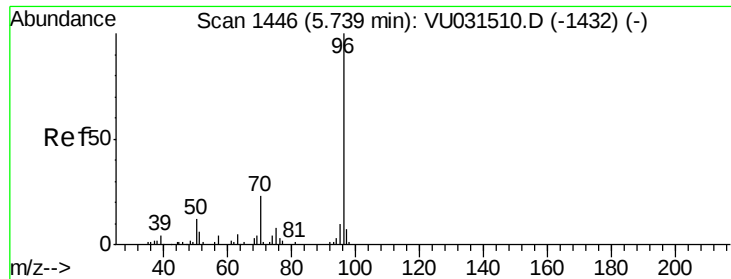
Instrument :
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 ClientSampleId :
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

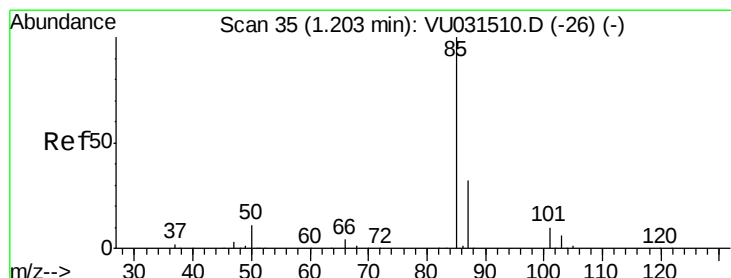
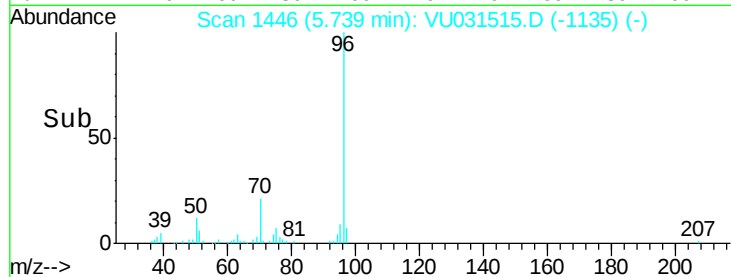
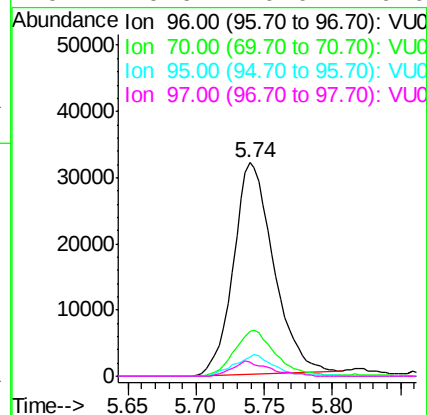
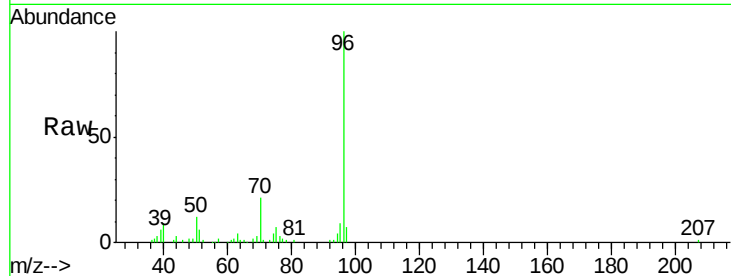
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	96	Resp:	65264
Ion	Ratio	Lower	Upper
96	100		
70	21.7	18.2	27.2
95	9.6	7.7	11.5
97	6.6	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.019 ug/l

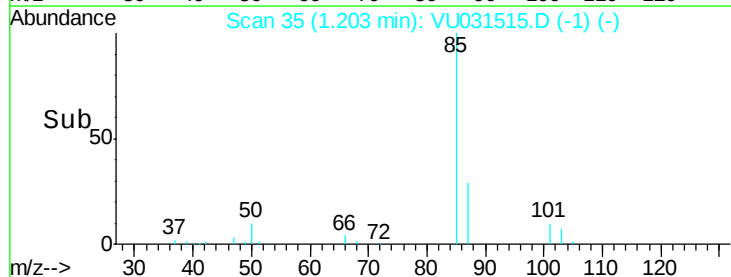
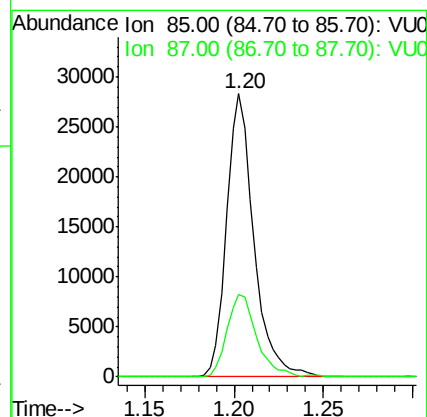
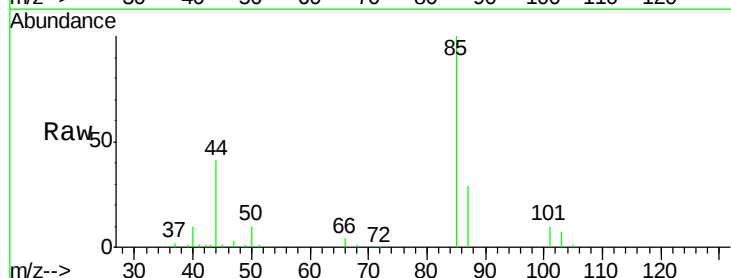
RT: 1.20 min Scan# 35

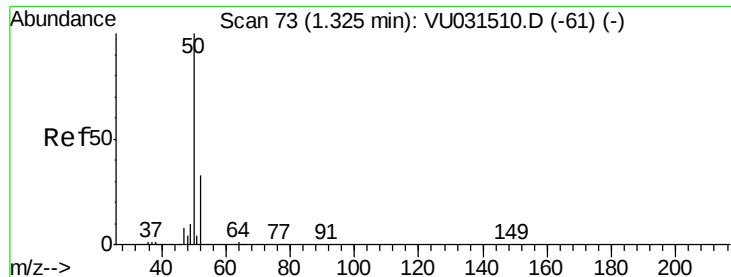
Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Tgt Ion:	85	Resp:	30019
Ion	Ratio	Lower	Upper
85	100		
87	29.1	16.1	48.2





#3

Chloromethane

Concen: 1.022 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 50 Resp: 35940

Ion Ratio Lower Upper

50 100

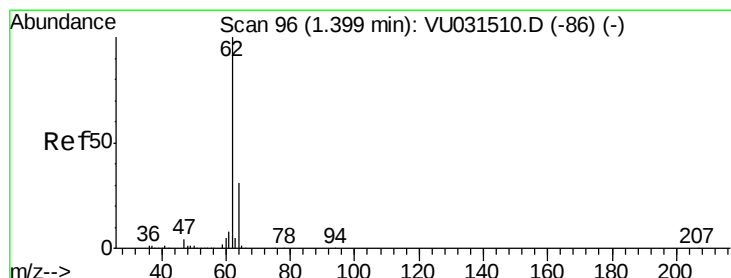
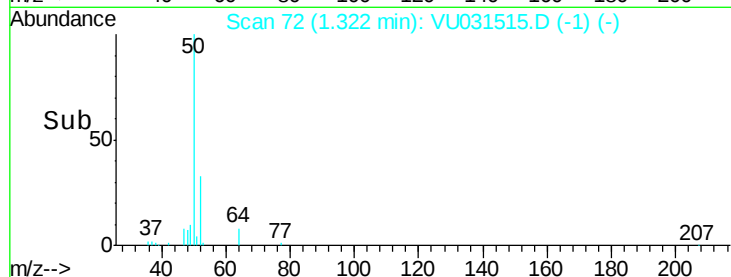
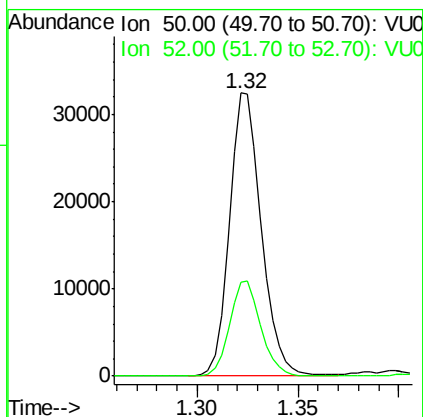
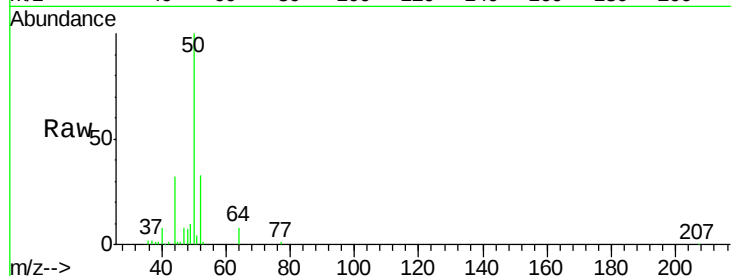
52 33.3 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.999 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031515.D

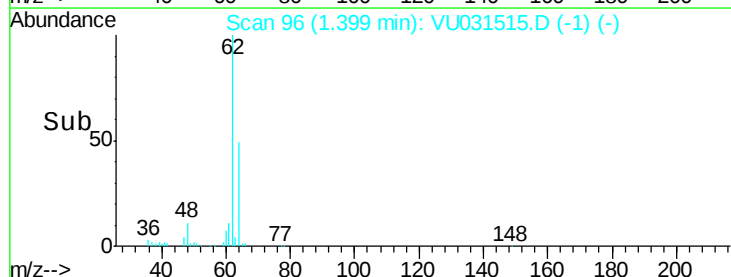
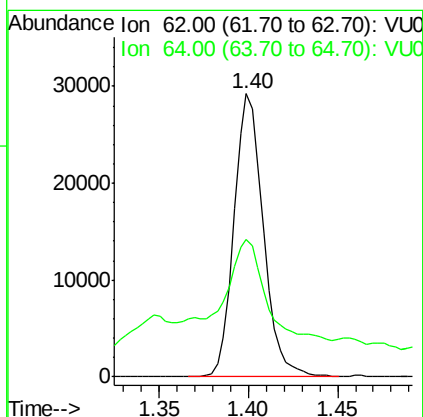
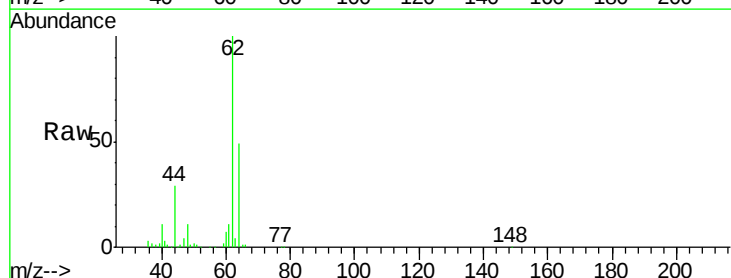
Acq: 26 Apr 2019 00:44

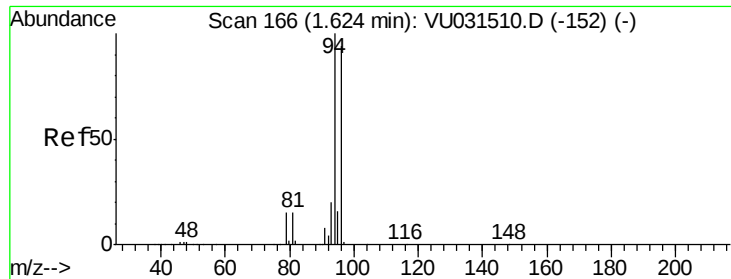
Tgt Ion: 62 Resp: 33441

Ion Ratio Lower Upper

62 100

64 35.3 25.5 38.3





#5

Bromomethane

Concen: 1.108 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 94 Resp: 17966

Ion Ratio Lower Upper

94 100

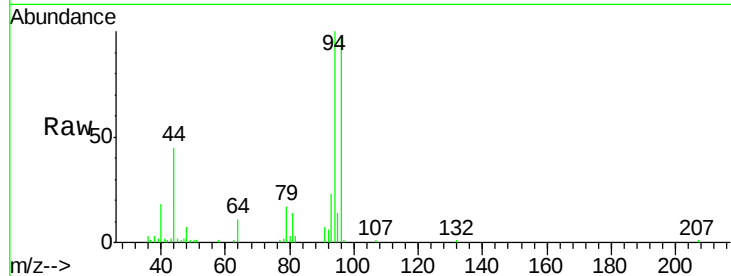
96 97.0 75.5 113.3

Manual Integrations

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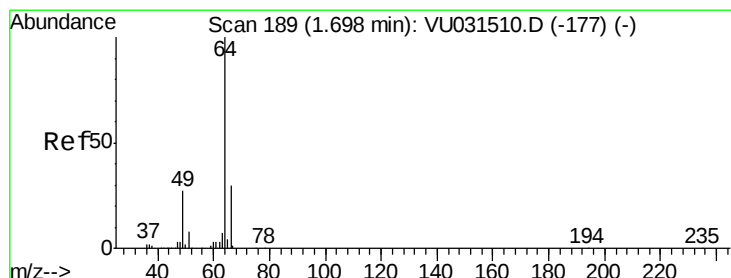
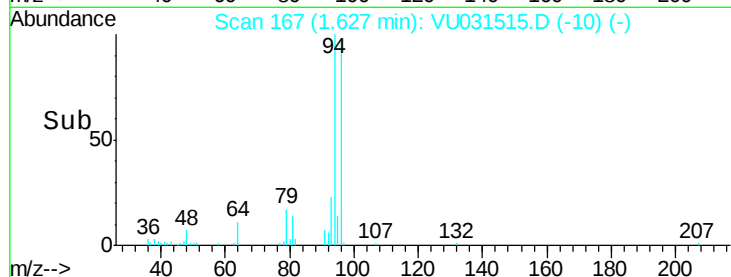
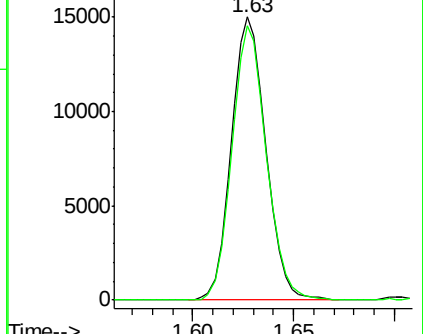
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.975 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031515.D

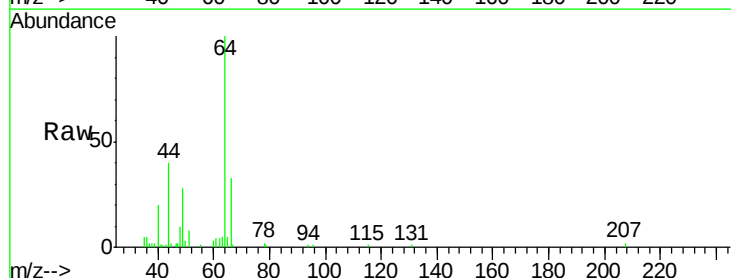
Acq: 26 Apr 2019 00:44

Tgt Ion: 64 Resp: 18043

Ion Ratio Lower Upper

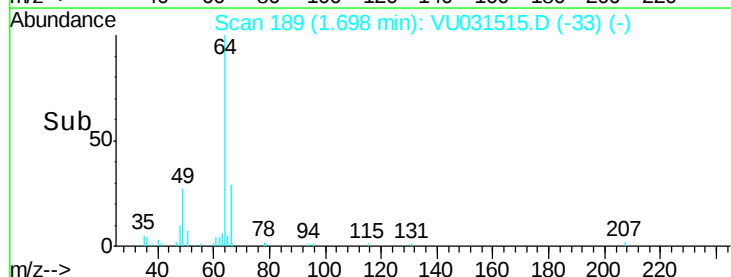
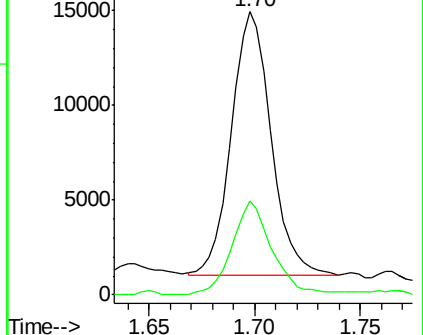
64 100

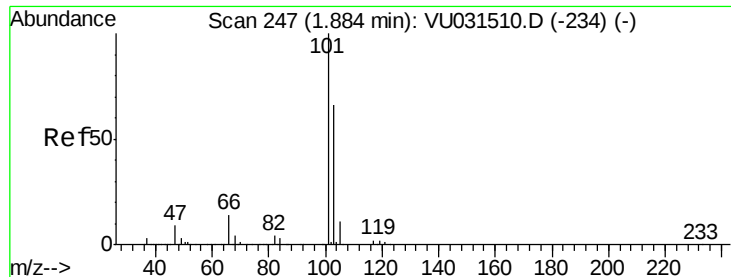
66 35.7 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

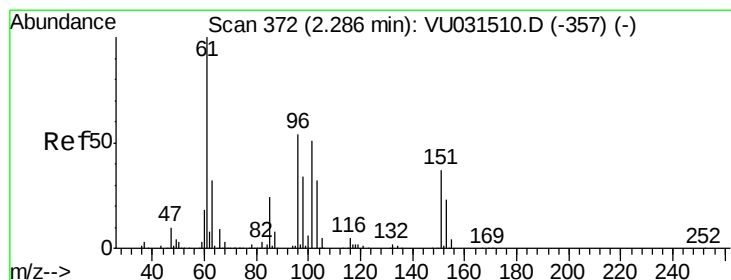
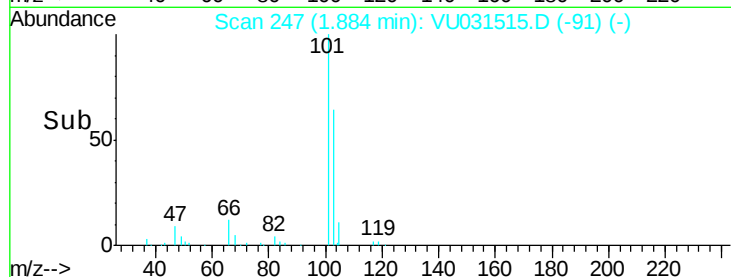
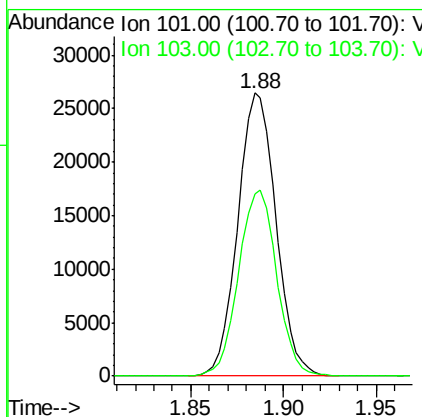
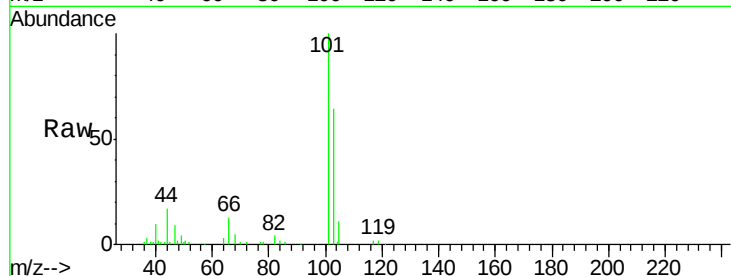
Trichlorofluoromethane
Concen: 0.991 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Instrument :
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ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.8	79.2

Manual Integrations
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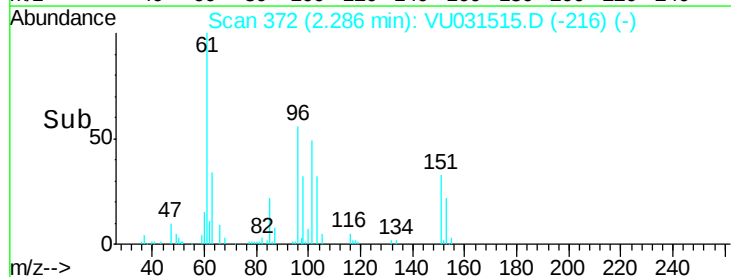
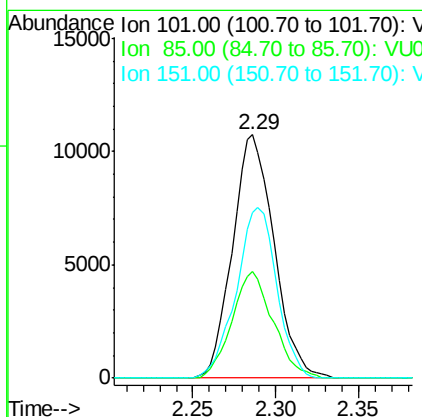
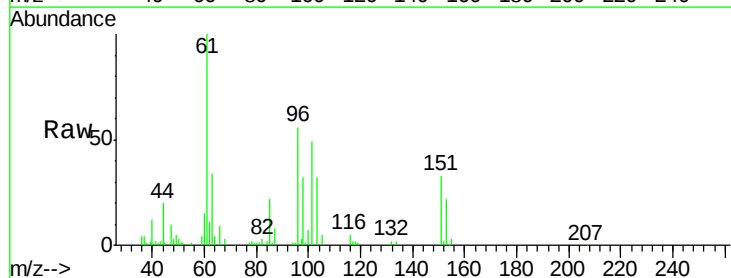
MMdadoda
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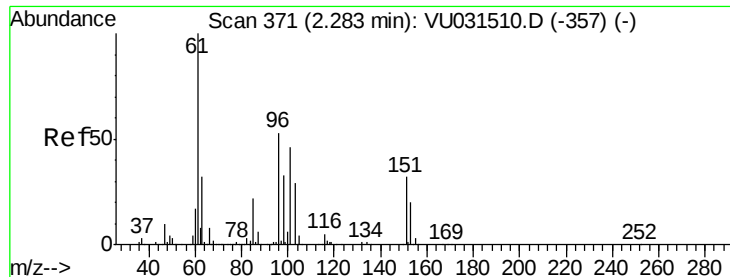


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.994 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.4	37.8	56.6
151	68.3	57.4	86.0





#9

1,1-Dichloroethene

Concen: 1.042 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

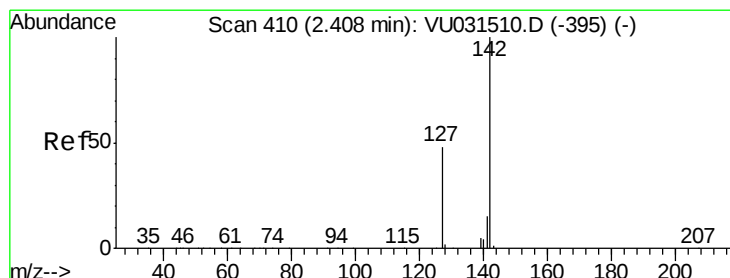
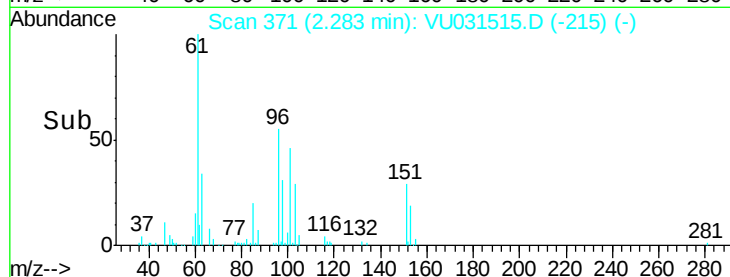
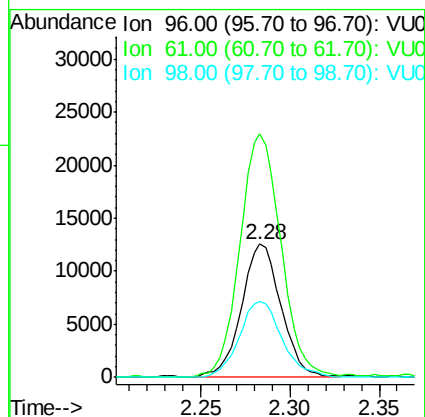
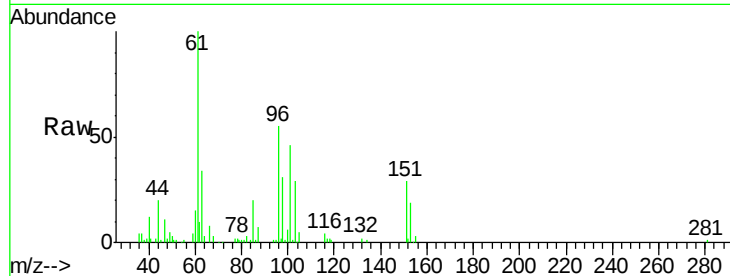
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	96	Resp:	19466
Ion	Ratio	Lower	Upper
96	100		
61	181.8	0.0	566.7
98	57.4	0.0	126.4

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#10

Iodomethane

Concen: 0.582 ug/l

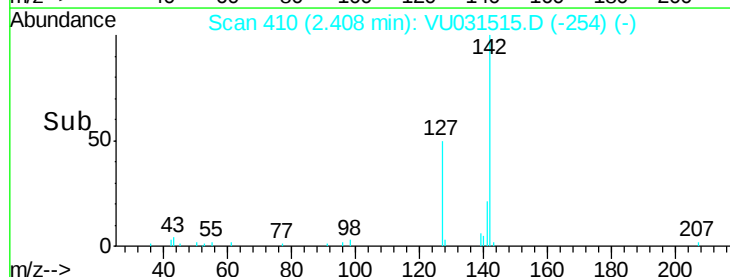
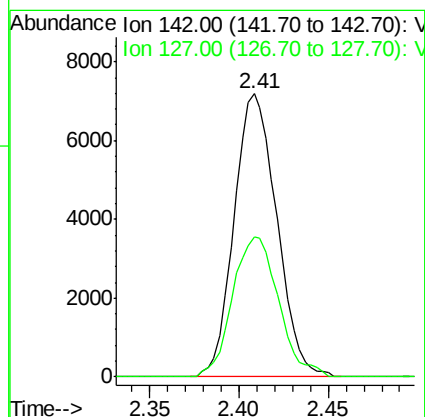
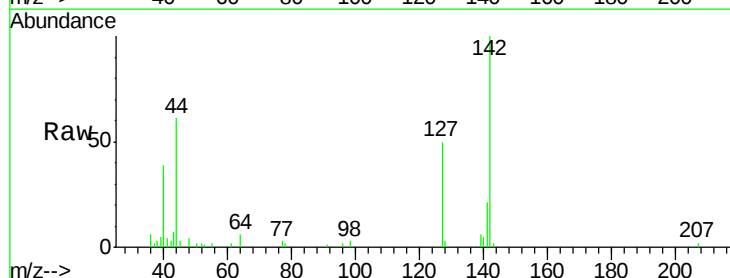
RT: 2.41 min Scan# 410

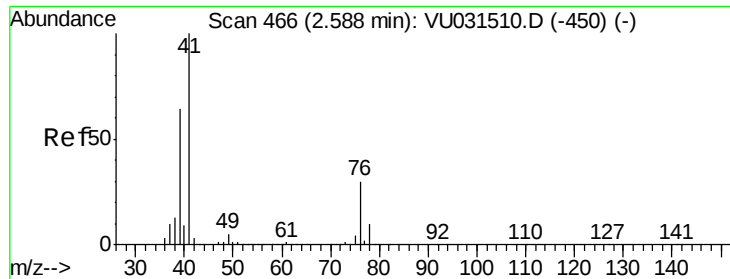
Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Tgt Ion:	142	Resp:	11967
Ion	Ratio	Lower	Upper
142	100		
127	53.2	38.2	57.2





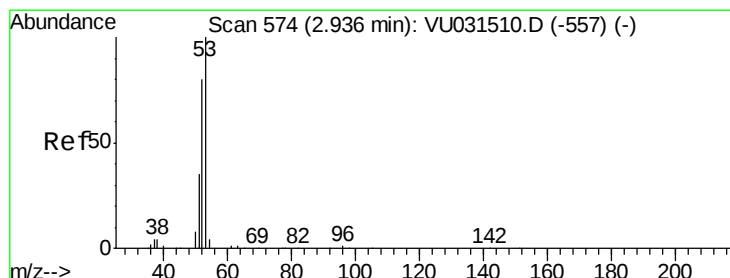
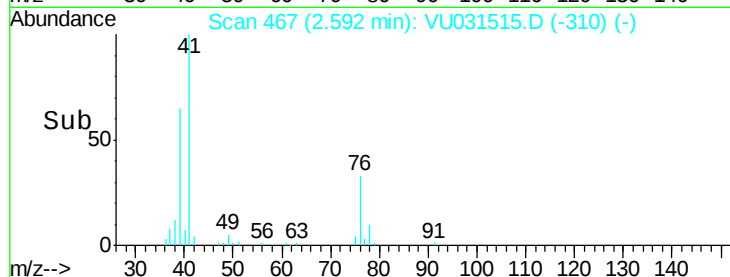
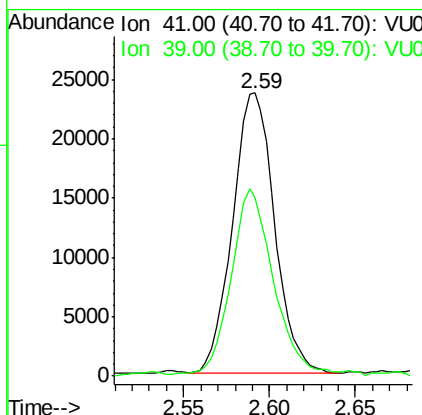
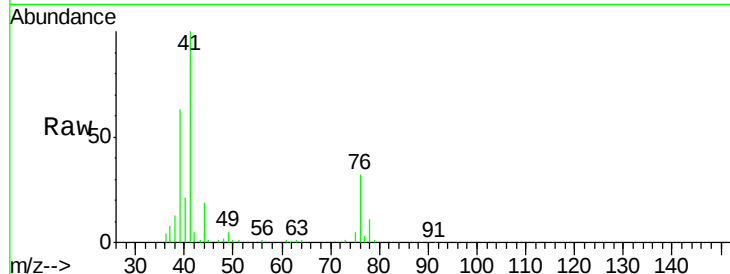
#11
Allvl Chloride
Concen: 0.986 ug/l
RT: 2.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion: 41 Resp: 40345
Ion Ratio Lower Upper
41 100
39 65.5 51.4 77.0

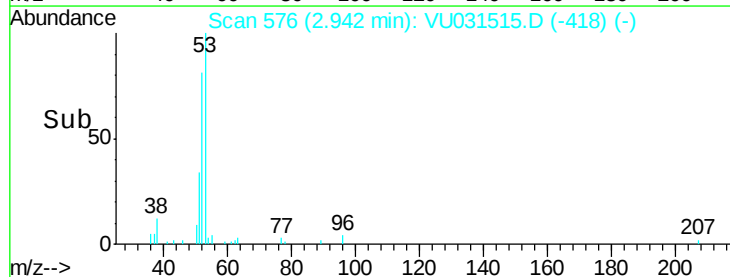
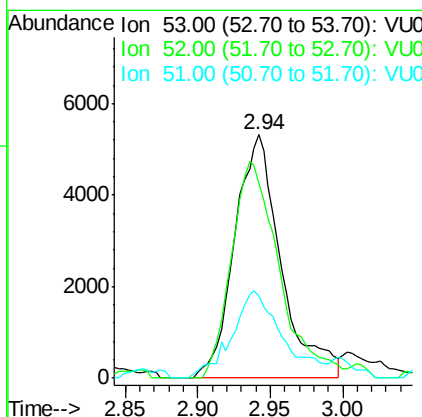
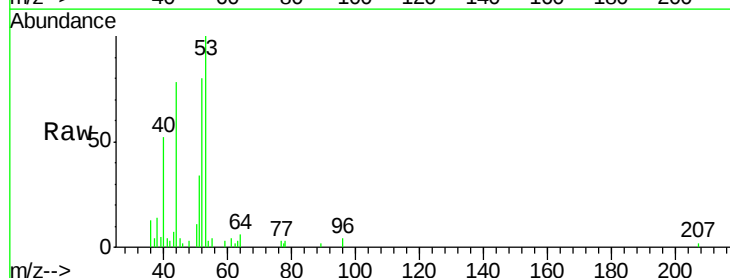
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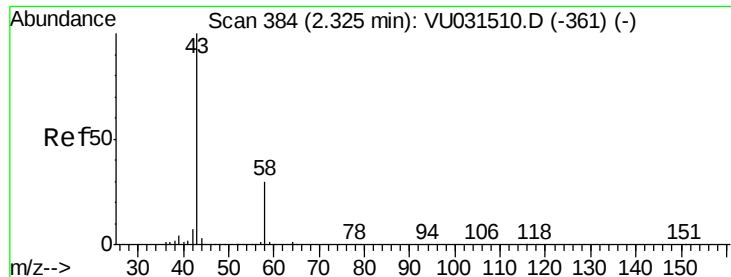
MMdadoda
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#12
Acrylonitrile
Concen: 2.096 ug/l
RT: 2.94 min Scan# 576
Delta R.T. 0.01 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion: 53 Resp: 11864
Ion Ratio Lower Upper
53 100
52 91.6 69.4 104.0
51 38.8 27.5 41.3





#13

Acetone

Concen: 5.109 ug/l

RT: 2.33 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 43 Resp: 26354

Ion Ratio Lower Upper

43 100

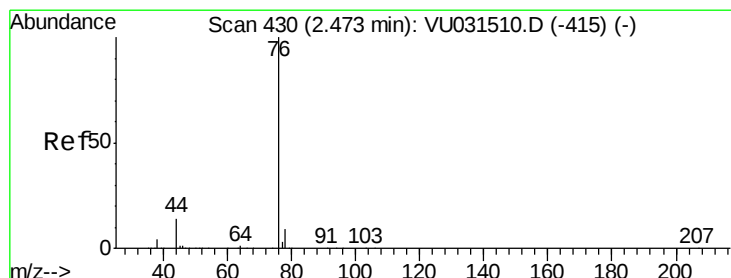
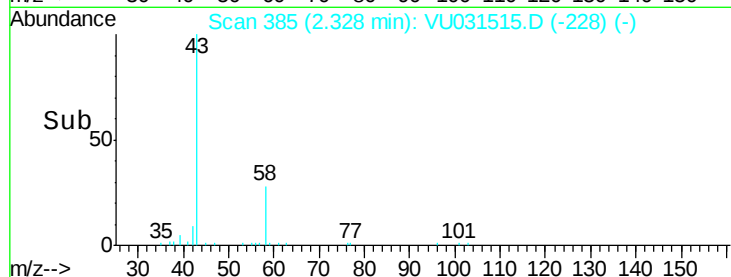
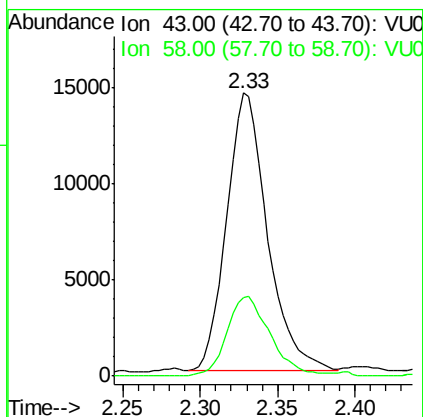
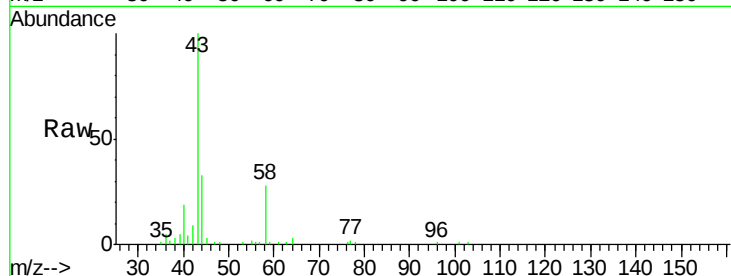
58 28.3 24.1 36.1

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#14

Carbon Disulfide

Concen: 1.023 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031515.D

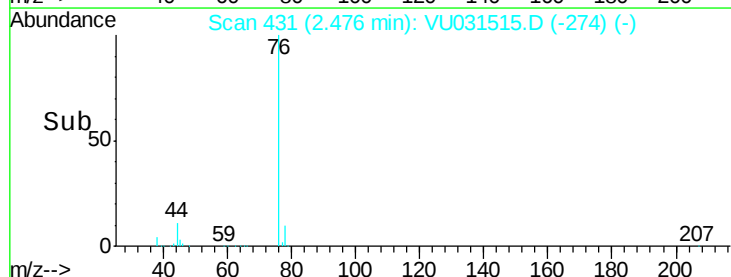
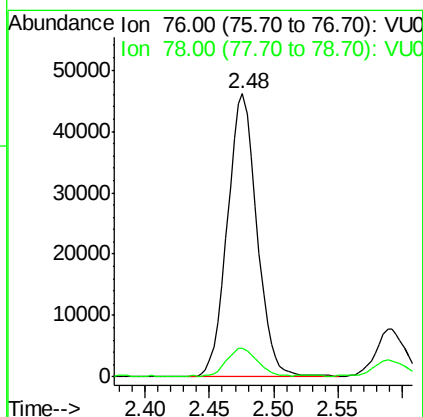
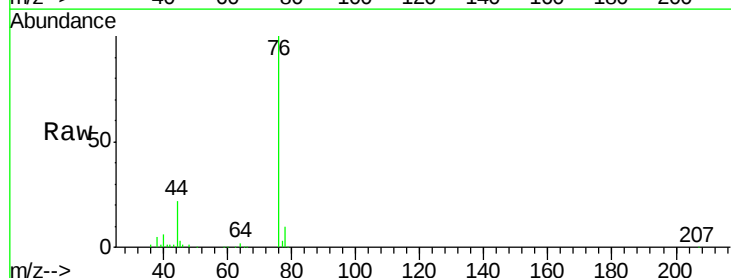
Acq: 26 Apr 2019 00:44

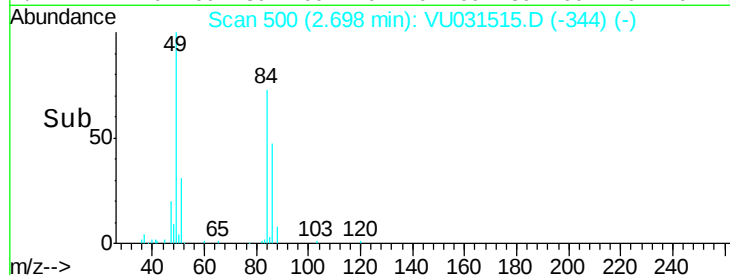
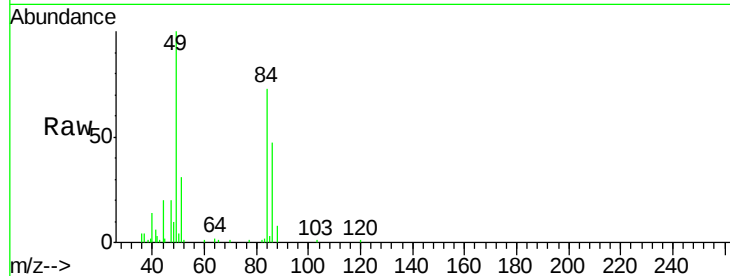
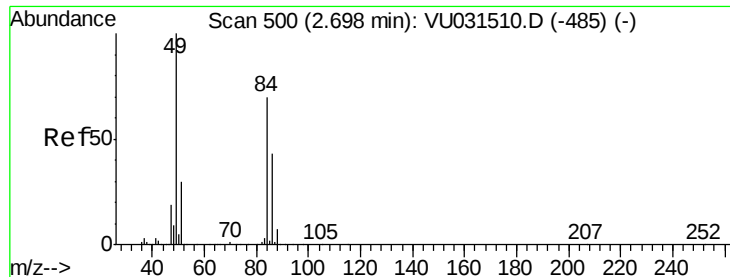
Tgt Ion: 76 Resp: 73349

Ion Ratio Lower Upper

76 100

78 10.1 7.2 10.8





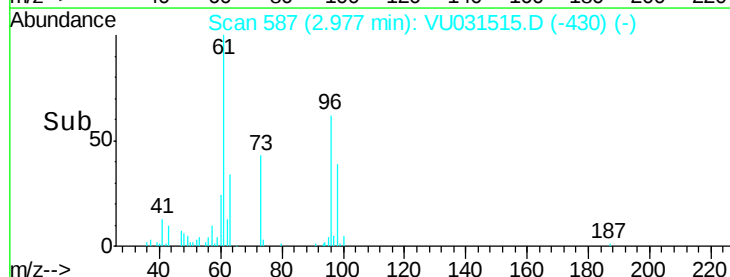
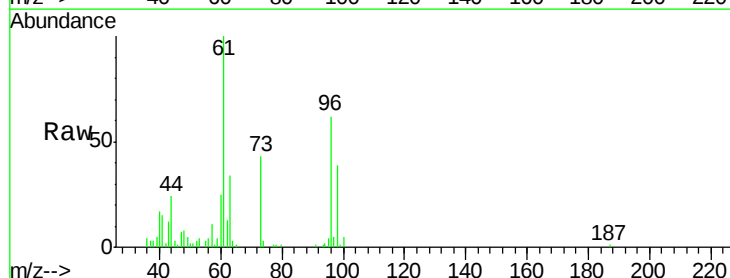
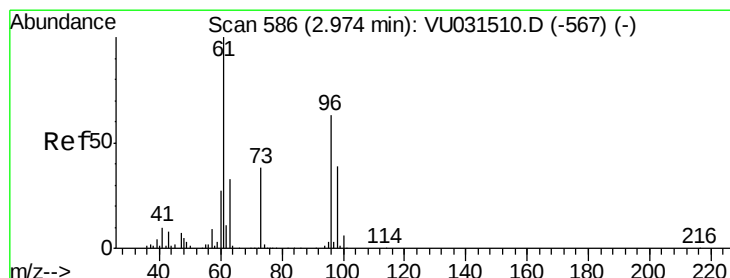
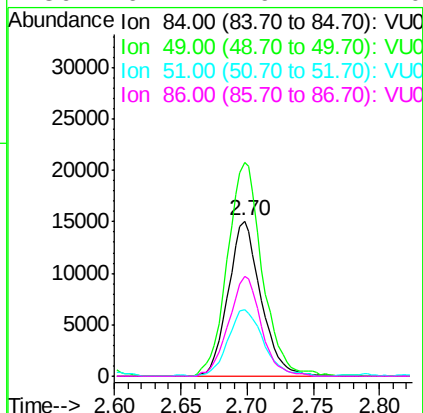
#15
Methvlene Chloride
Concen: 1.090 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tot Ion	Ratio	Lower	Upper
84	100		
49	137.8	113.6	170.4
51	43.1	0.0	85.6
86	64.1	49.4	74.0

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2019

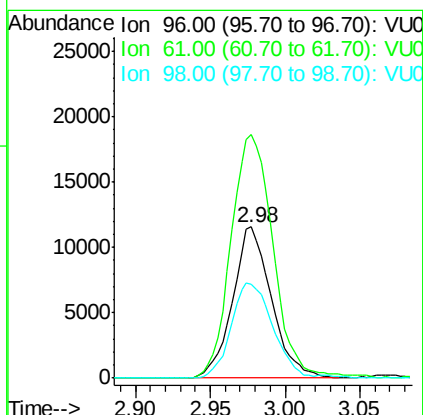
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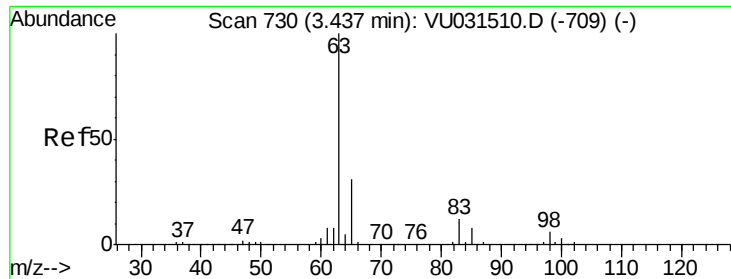
MMdadoda
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#16
trans-1,2-Dichloroethene
Concen: 1.000 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.1	127.2	190.8
98	62.5	49.4	74.0





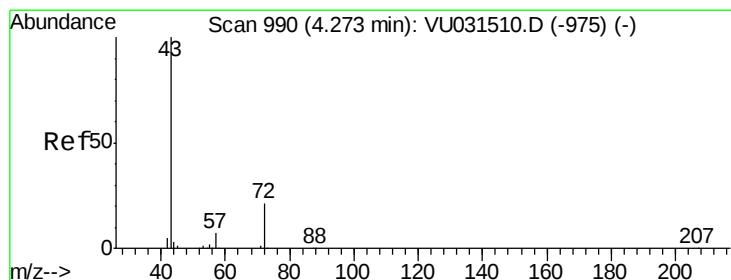
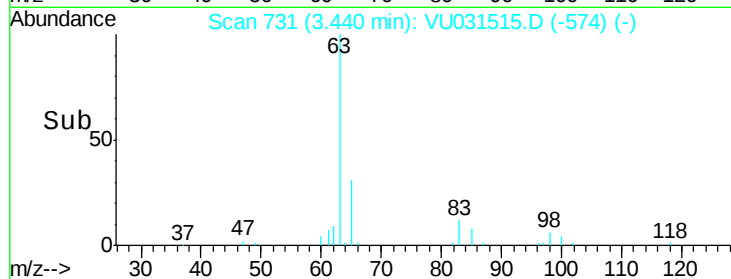
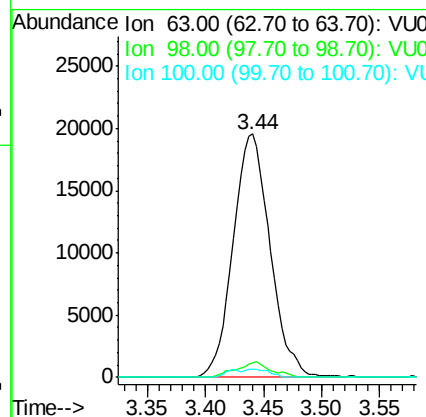
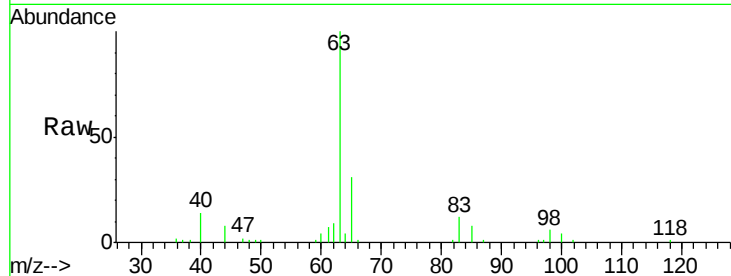
#17
 1,1-Dichloroethane
 Concen: 0.989 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031515.D
 Acq: 26 Apr 2019 00:44

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion:	63	Resp:	43109
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.0	9.2
100	3.6	1.7	5.1

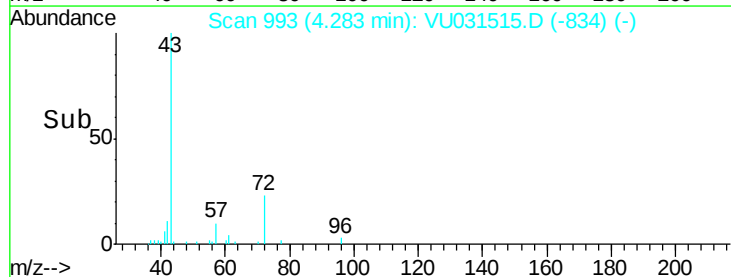
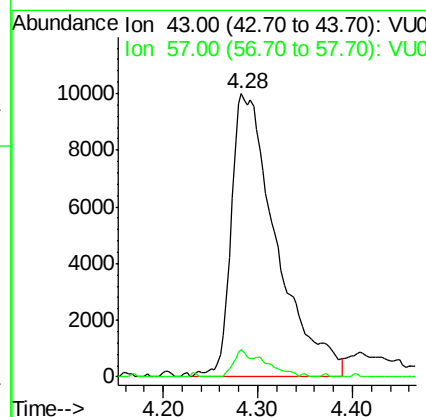
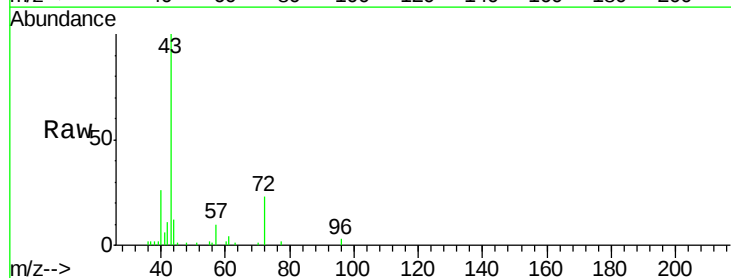
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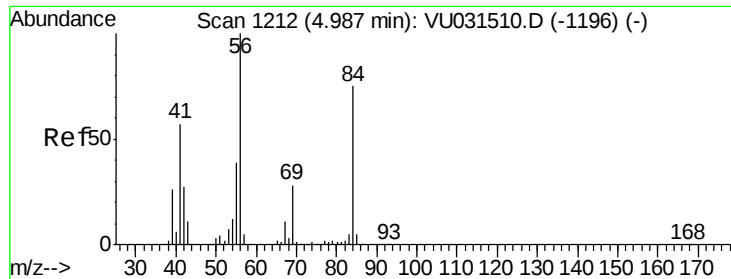
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#18
 2-Butanone
 Concen: 4.909 ug/l
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VU031515.D
 Acq: 26 Apr 2019 00:44

Tgt Ion:	43	Resp:	33087
Ion	Ratio	Lower	Upper
43	100		
57	9.8	0.0	14.2





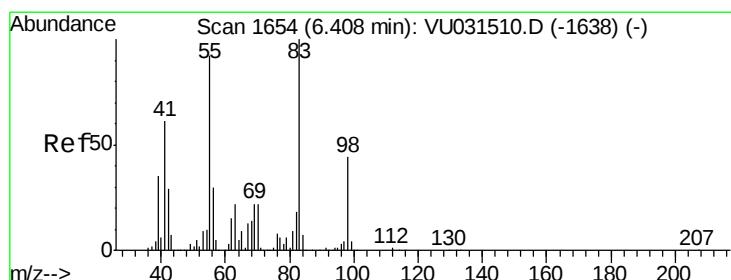
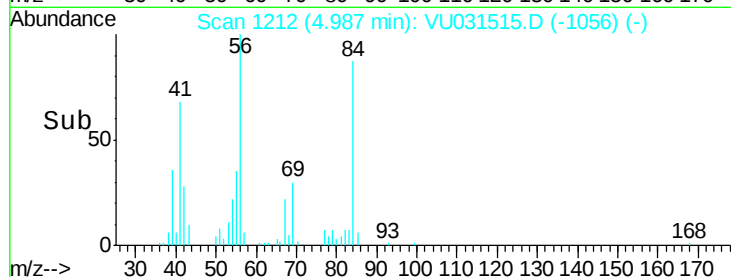
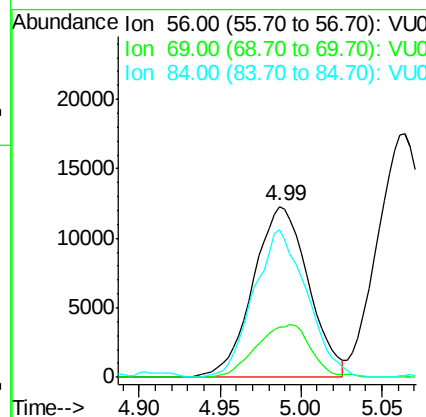
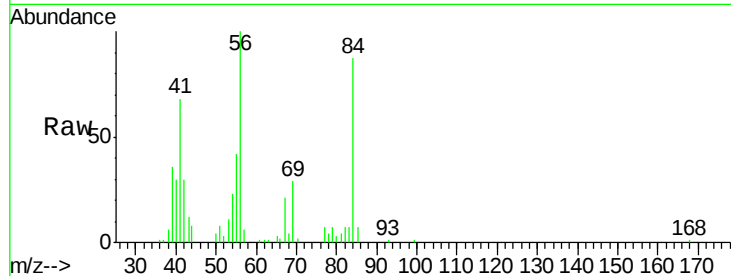
#19
Cyclohexane
Concen: 0.868 ug/l m
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	22.4	33.6
84	82.8	59.0	88.4

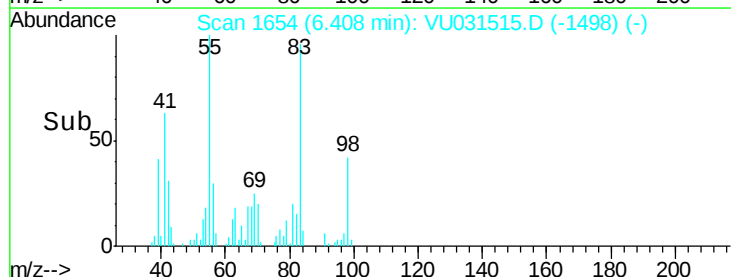
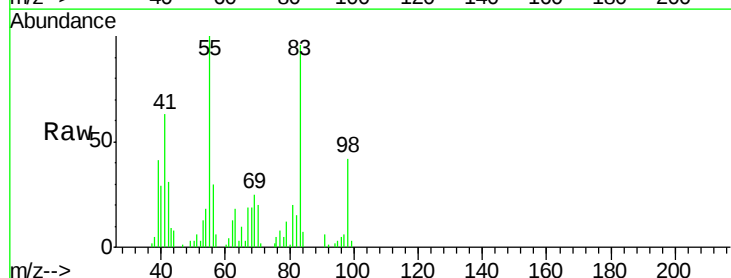
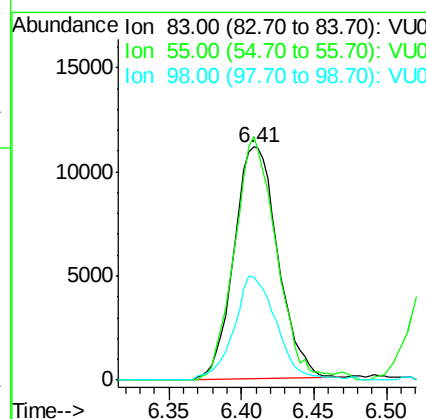
Manual Integrations
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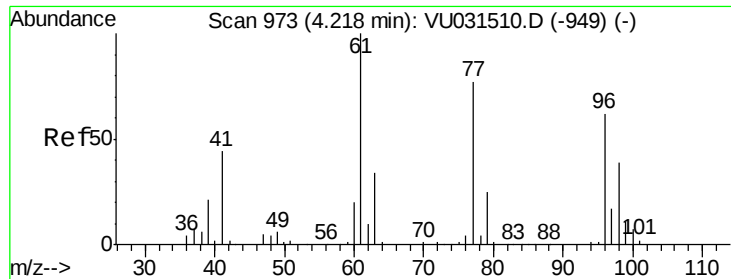
MMDadoda
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#20
Methylcyclohexane
Concen: 0.871 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion	Ratio	Lower	Upper
83	100		
55	96.6	73.7	110.5
98	42.1	35.2	52.8





#21

2,2-Dichloropropane

Concen: 0.863 ug/l

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 77 Resp: 27491

Ion Ratio Lower Upper

77 100

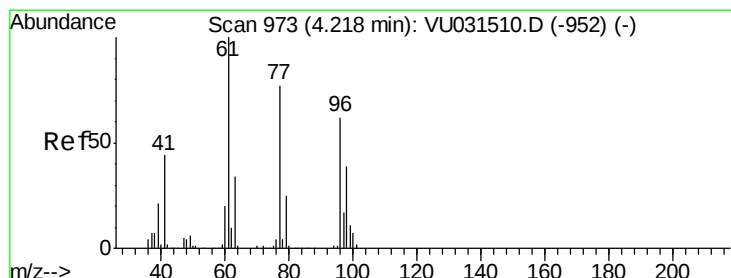
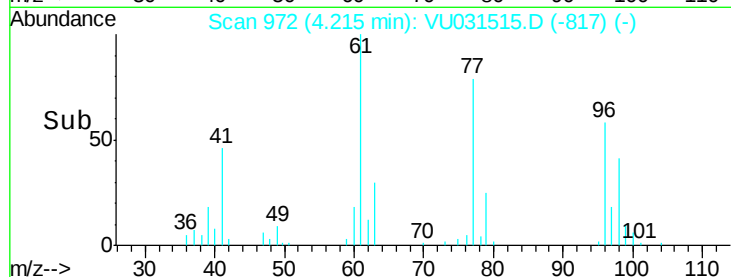
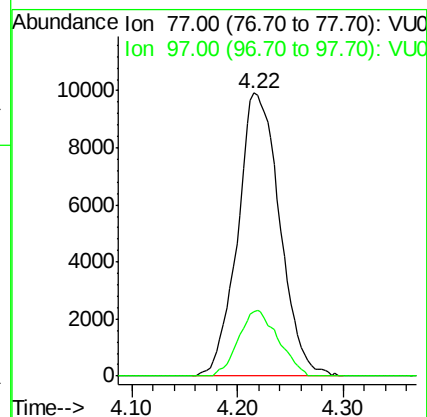
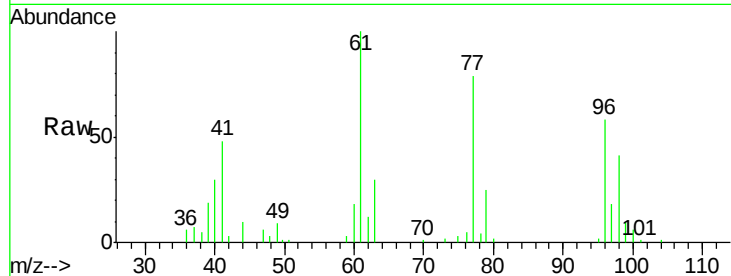
97 22.1 17.5 26.3

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 0.930 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

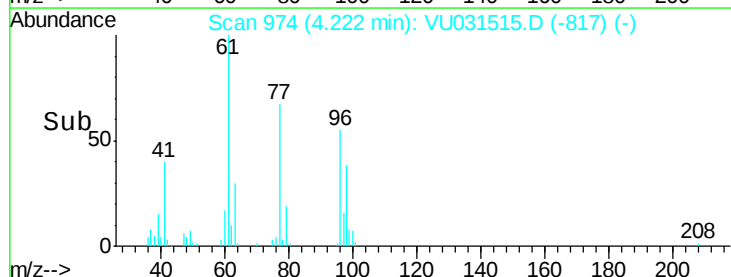
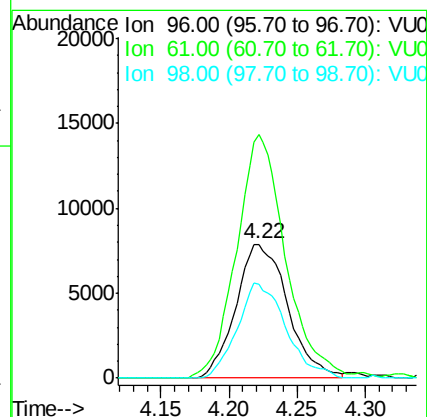
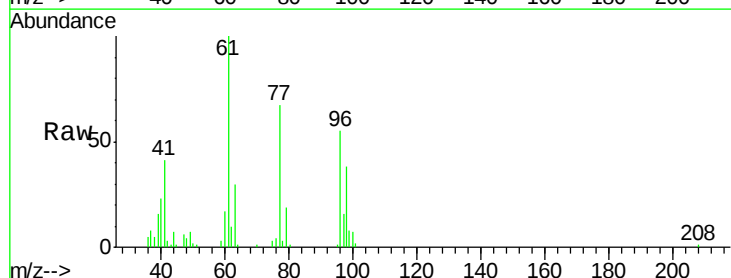
Tgt Ion: 96 Resp: 20796

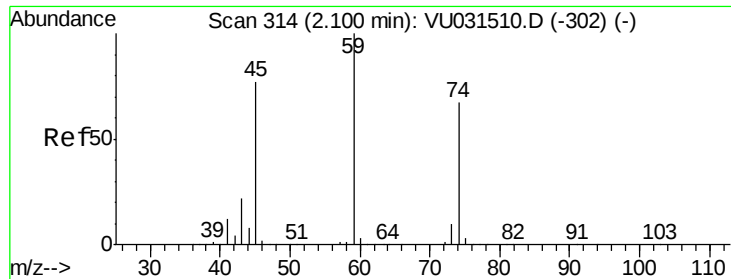
Ion Ratio Lower Upper

96 100

61 171.2 0.0 408.8

98 66.6 31.1 93.3





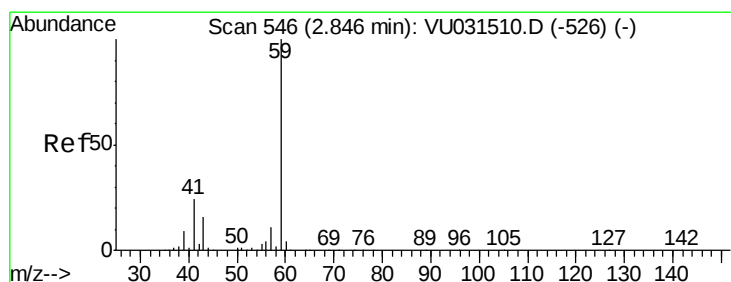
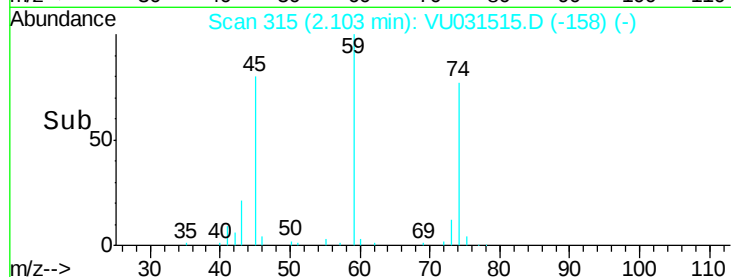
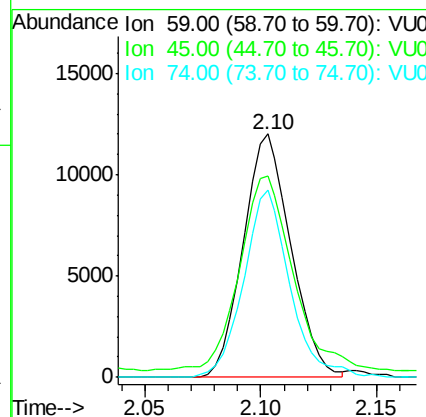
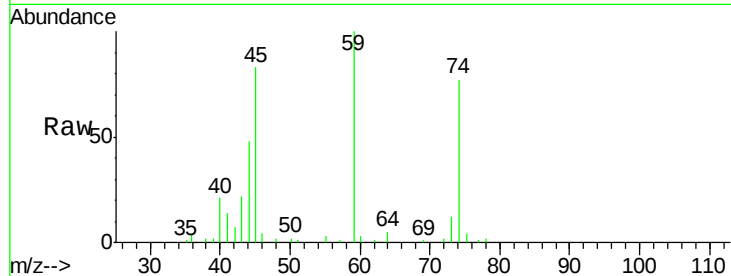
#23
Diethyl Ether
Concen: 0.960 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
59	100		
45	99.6	64.5	96.7#
74	74.3	54.6	81.8

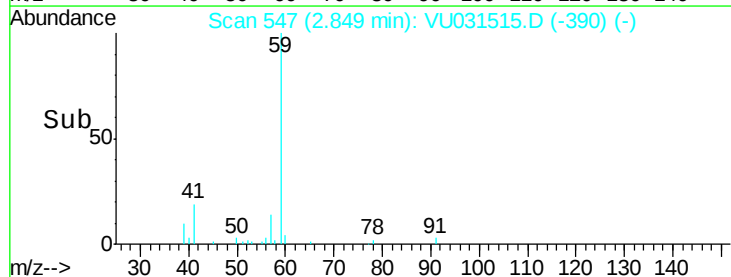
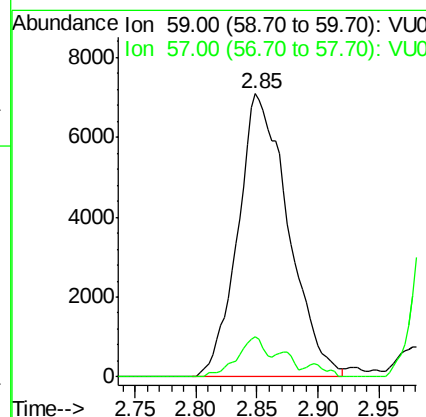
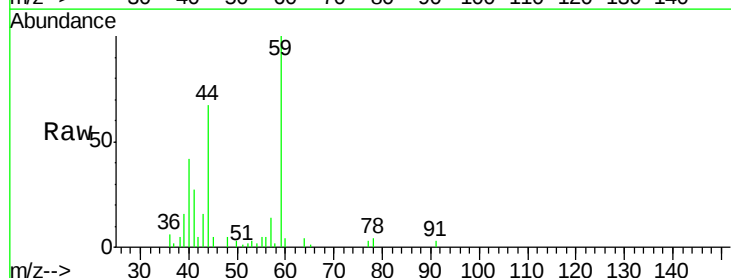
Manual Integrations
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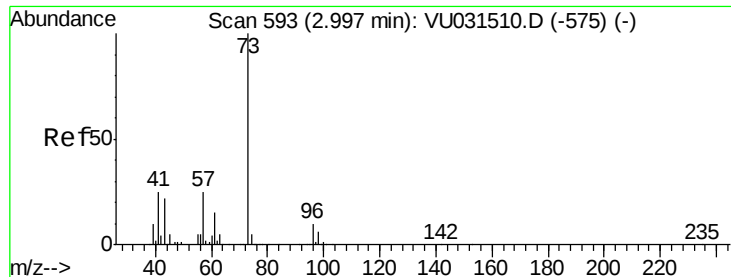
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 10.937 ug/l
RT: 2.85 min Scan# 547
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.1	8.2	12.2#





#25

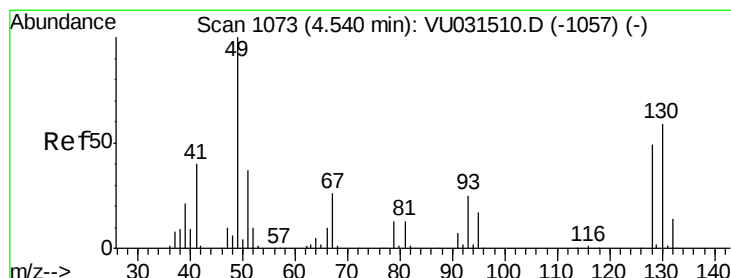
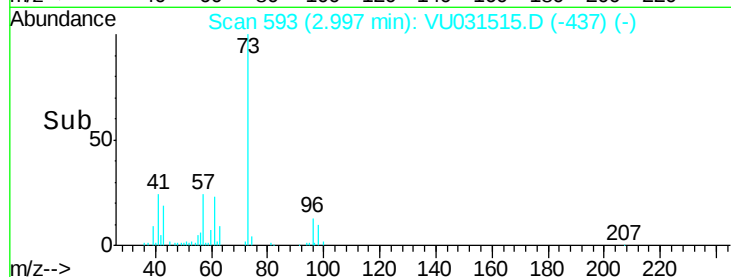
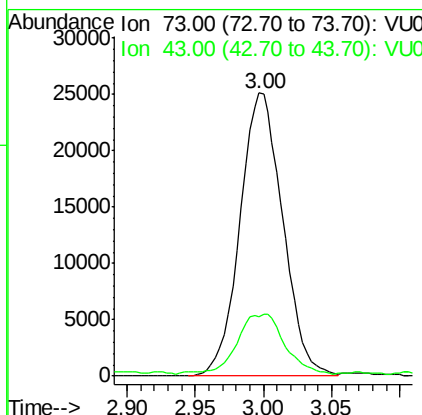
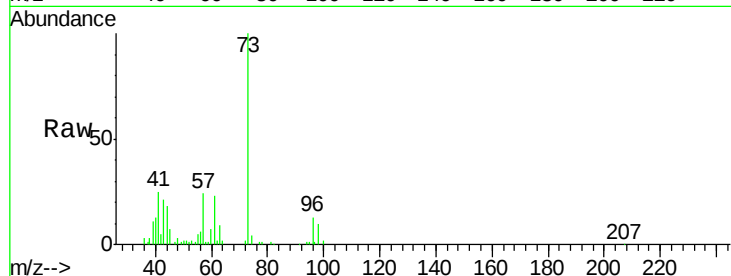
Methvl tert-Butvl Ether
Concen: 1.006 ug/l
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	22.9	16.9	25.3

Manual Integrations
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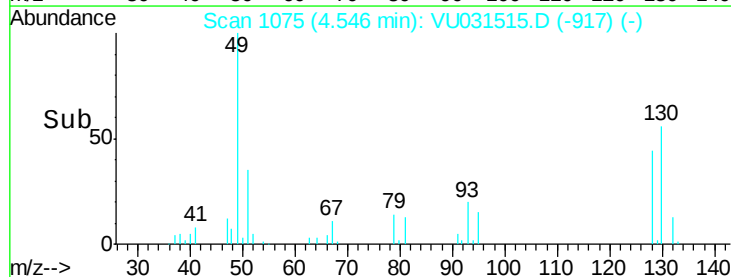
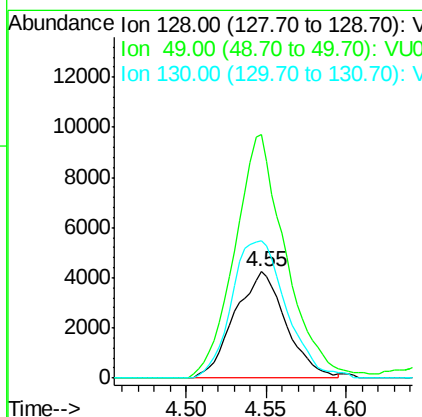
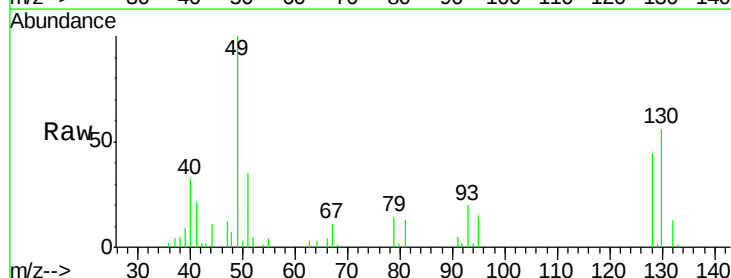
MMDadoda
4/26/2019 12:23:04 PM

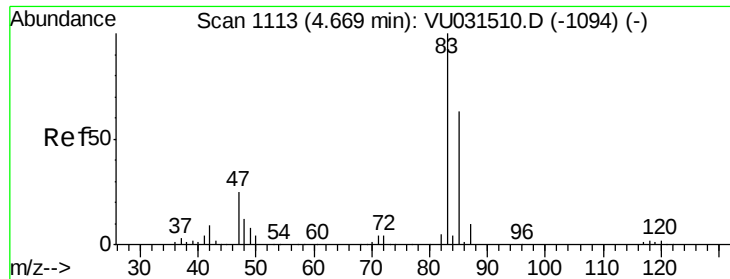


#26

Bromochloromethane
Concen: 0.991 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion	Ion	Ratio	Lower	Upper
128	128	100		
49	49	227.3	0.0	407.2
130	130	136.7	101.4	152.2





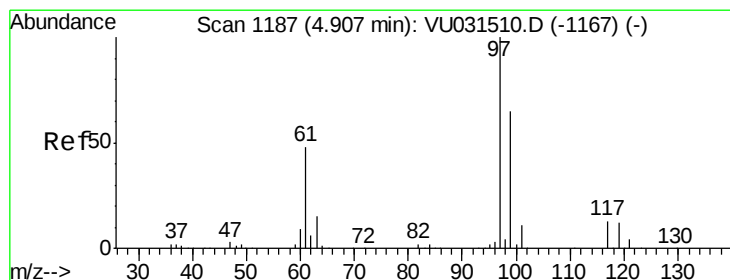
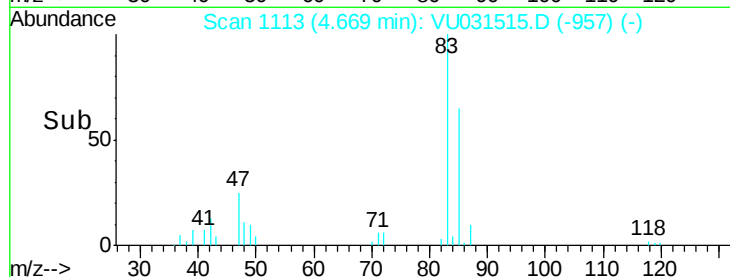
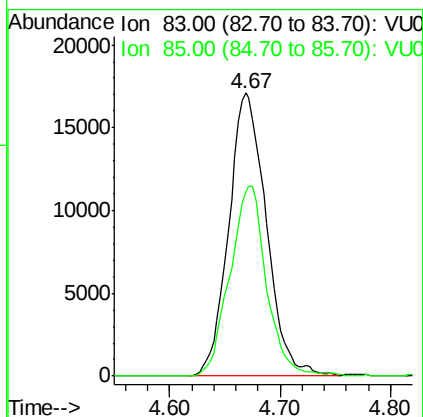
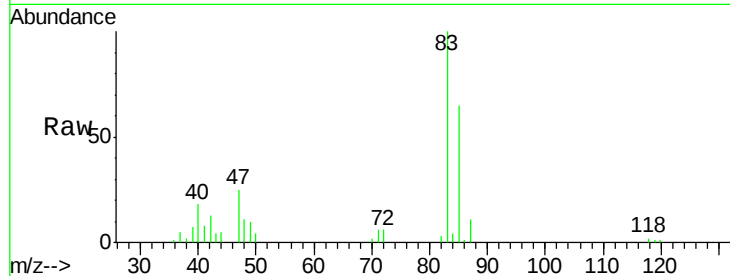
#27
Chloroform
Concen: 0.999 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	83	Resp	40362
Ion Ratio	100	Lower	Upper
85	65.1	0.0	126.2

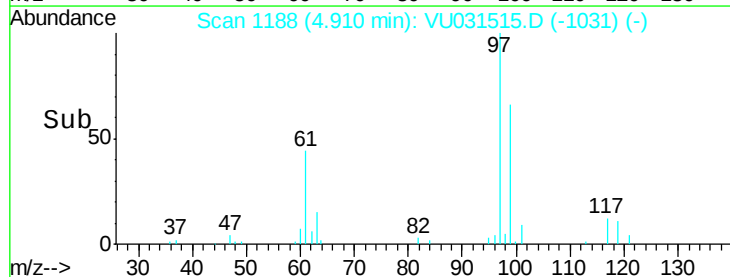
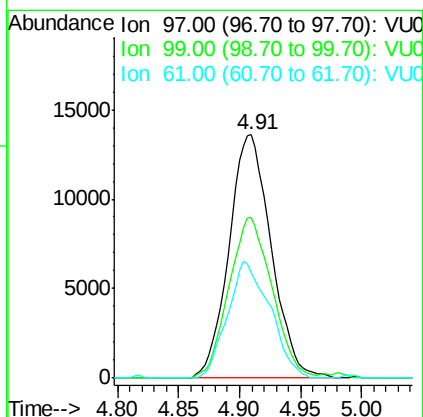
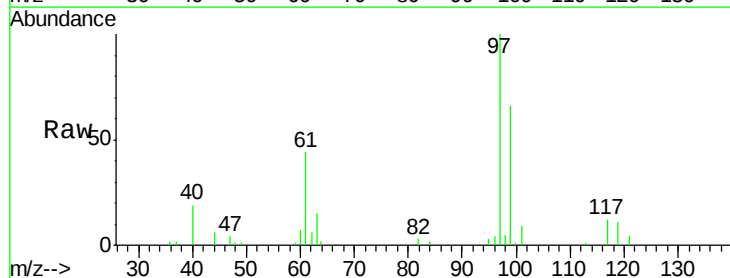
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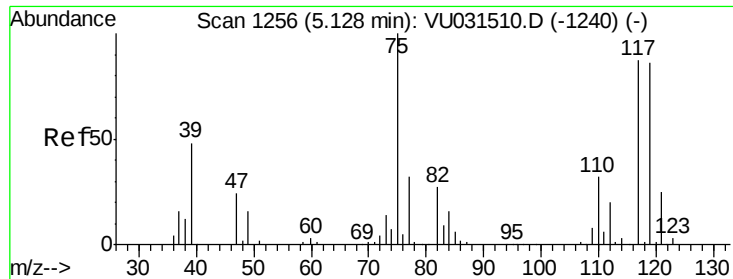
MMdadoda
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#28
1,1,1-Trichloroethane
Concen: 0.960 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion	97	Resp	32659
Ion Ratio	100	Lower	Upper
99	67.4	32.0	96.2
61	48.2	24.0	72.0





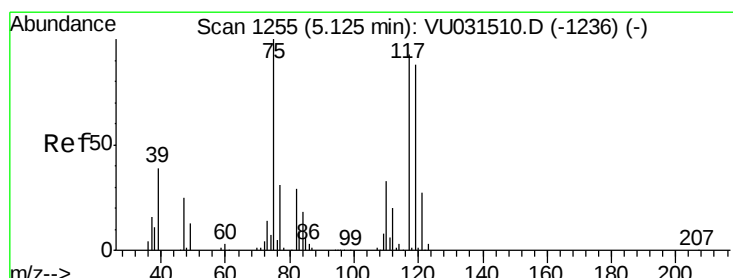
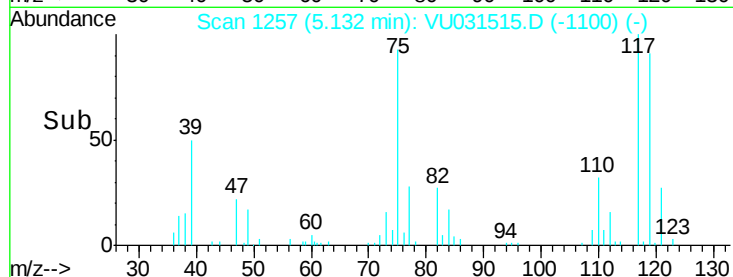
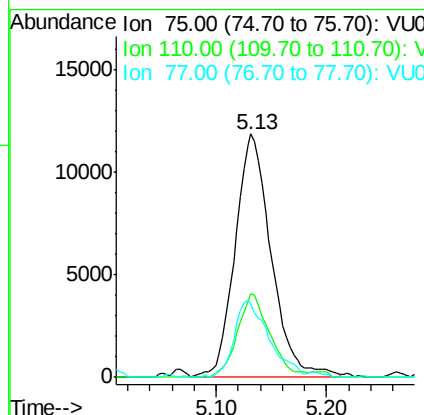
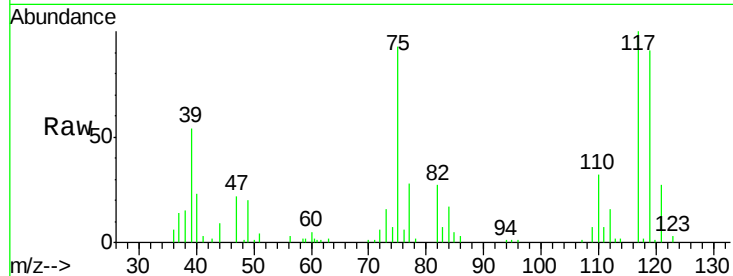
#29
 1,1-Dichloropropene
 Concen: 0.976 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU031515.D
 Acq: 26 Apr 2019 00:44

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.0	16.4	49.1
77	30.4	25.0	37.6

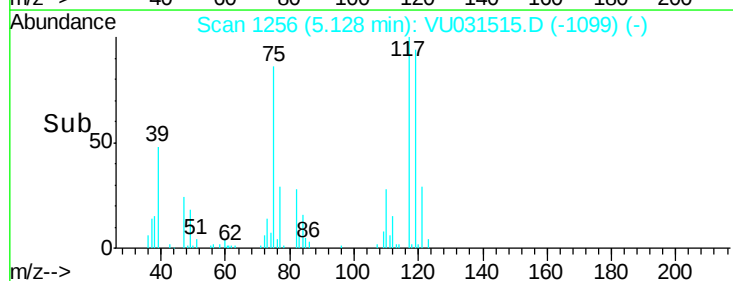
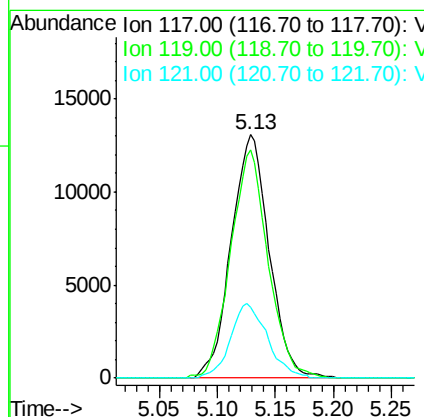
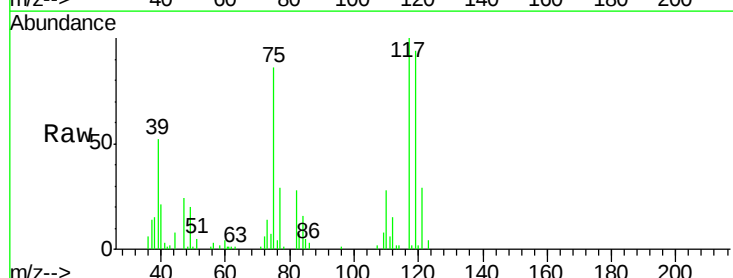
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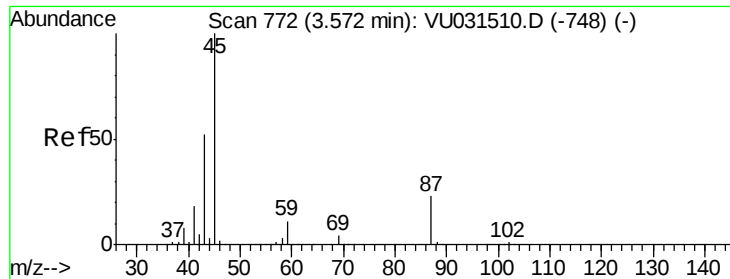
MMDadoda
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#30
 Carbon Tetrachloride
 Concen: 1.025 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU031515.D
 Acq: 26 Apr 2019 00:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.1	114.1
121	29.2	23.3	34.9





#31

Isopropyl Ether

Concen: 0.941 ug/l

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 45 Resp: 61455

Ion Ratio Lower Upper

45 100

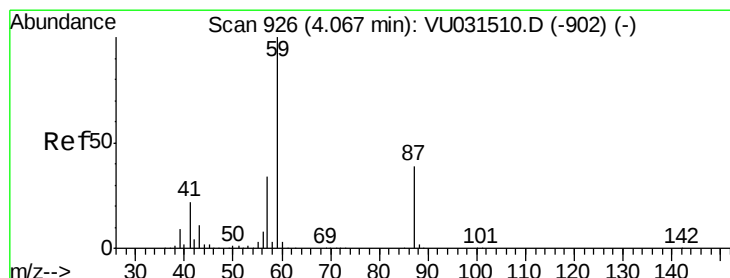
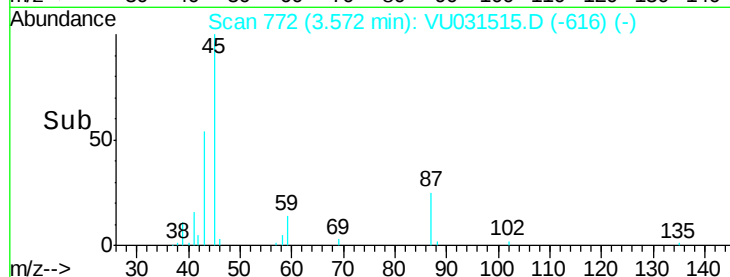
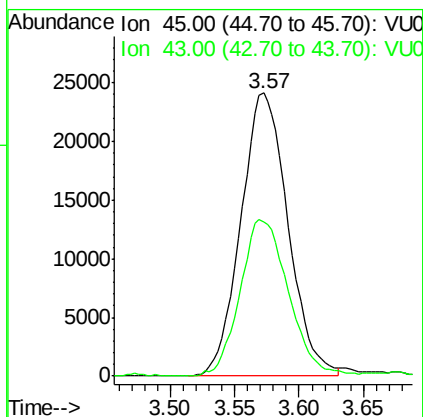
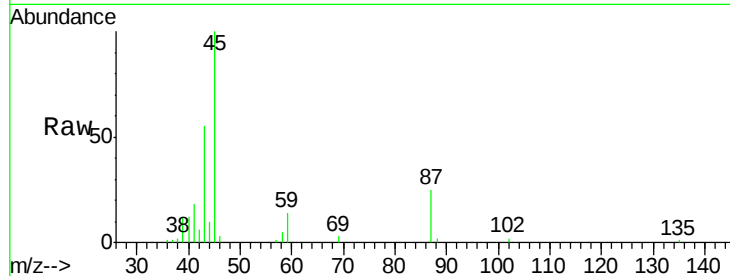
43 56.9 26.0 78.0

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 0.940 ug/l

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU031515.D

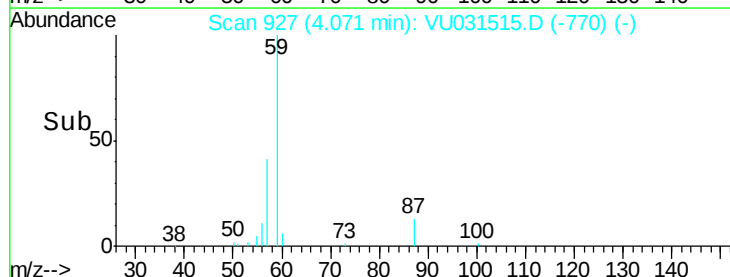
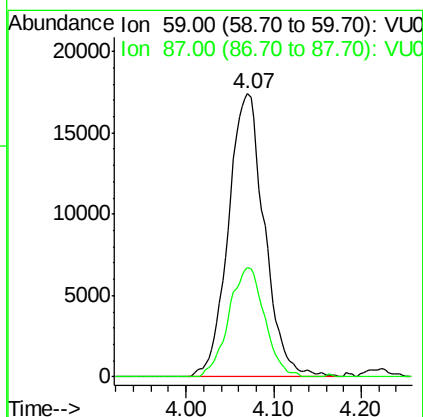
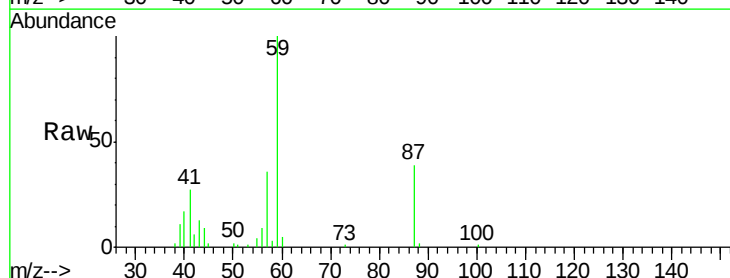
Acq: 26 Apr 2019 00:44

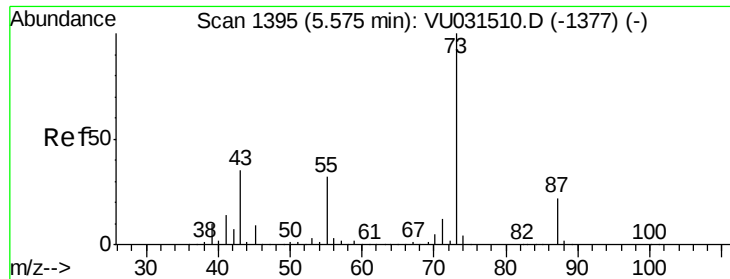
Tgt Ion: 59 Resp: 49824

Ion Ratio Lower Upper

59 100

87 38.4 29.9 44.9





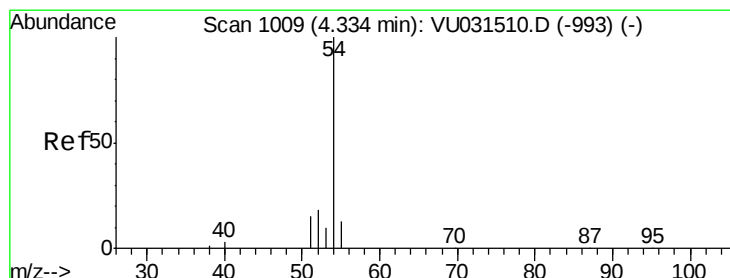
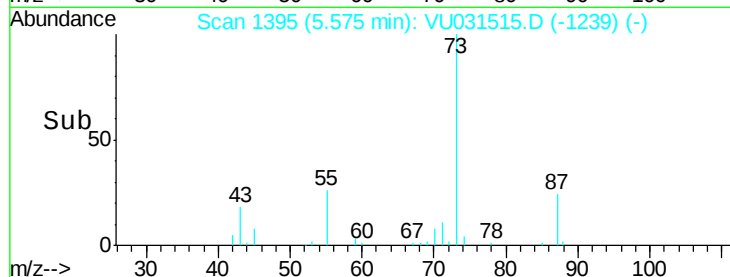
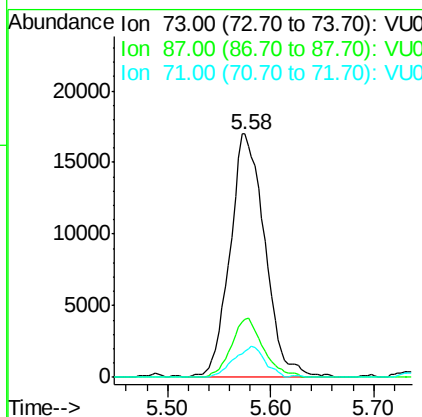
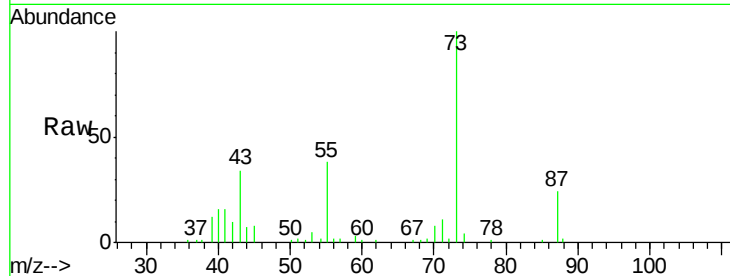
#33
Tert-Butyl methyl ether
Concen: 0.951 ug/l
RT: 5.58 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.0	18.2	27.2
71	11.3	9.0	13.6

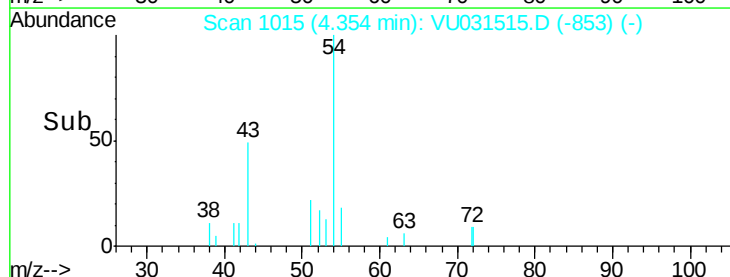
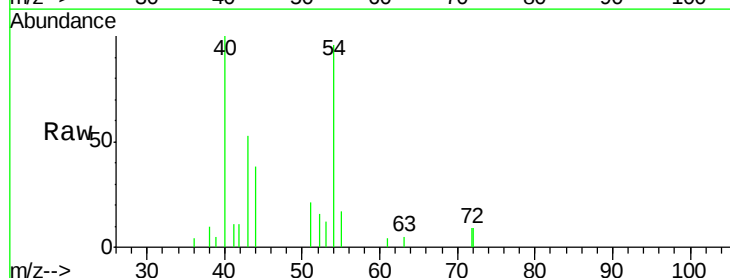
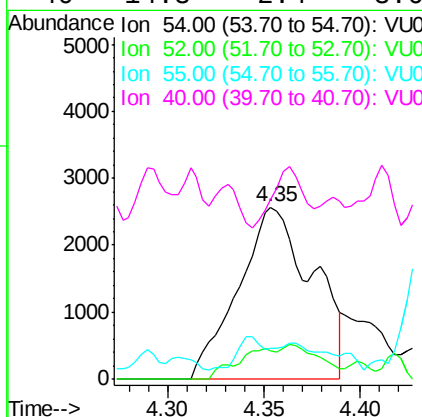
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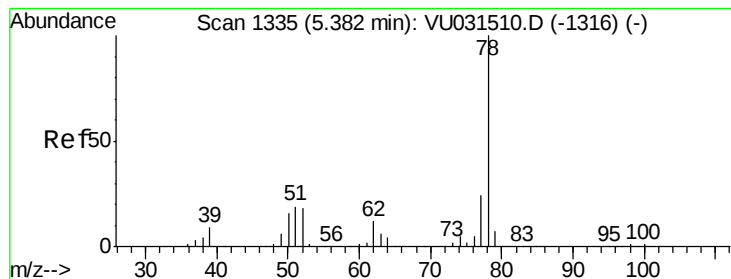
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#34
Propionitrile
Concen: 3.790 ug/l m
RT: 4.35 min Scan# 1015
Delta R.T. 0.02 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion	Ratio	Lower	Upper
54	100		
52	9.8	15.0	22.4#
55	6.5	13.5	20.3#
40	14.3	2.4	3.6#





#35

Benzene

Concen: 0.954 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 78 Resp: 80433

Ion Ratio Lower Upper

78 100

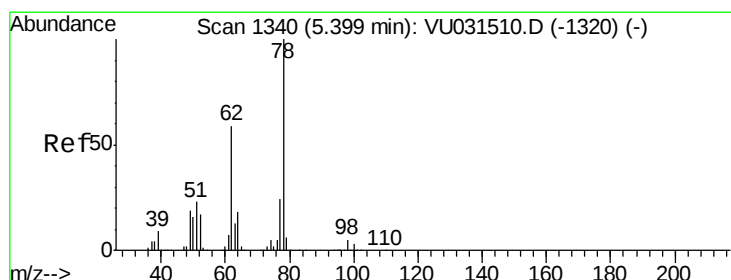
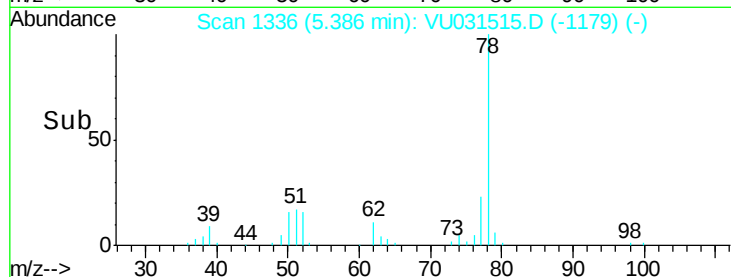
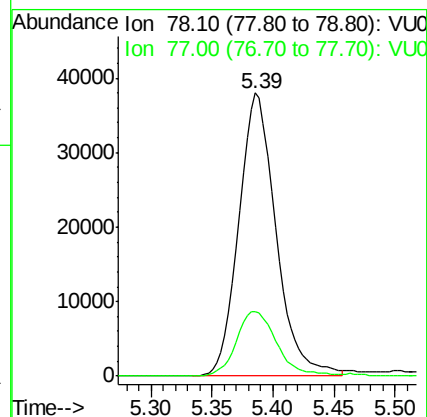
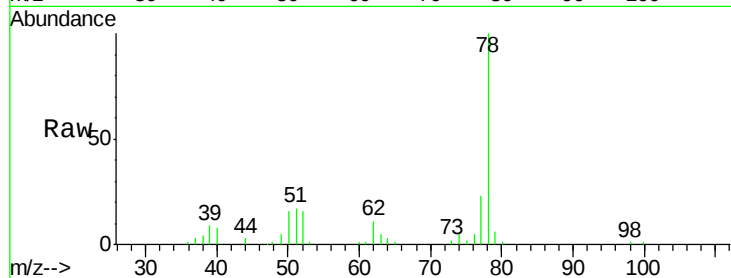
77 23.0 19.2 28.8

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#36

1,2-Dichloroethane

Concen: 0.986 ug/l

RT: 5.41 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VU031515.D

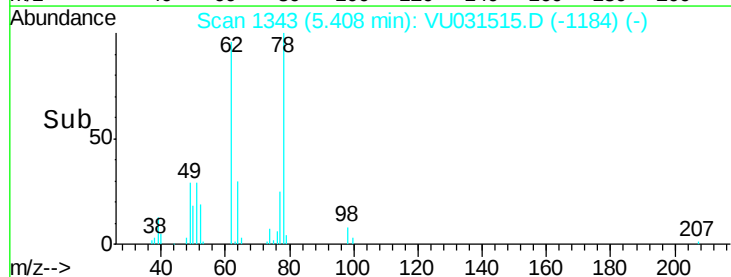
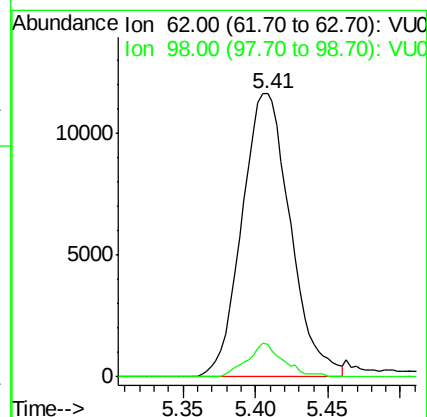
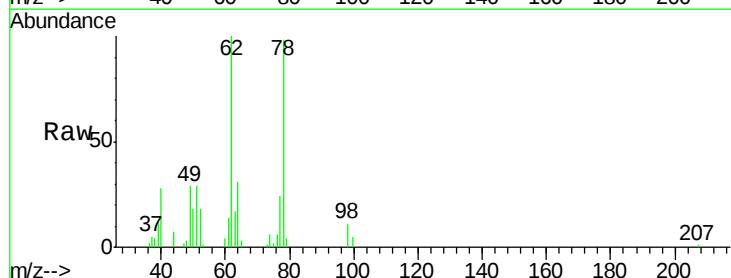
Acq: 26 Apr 2019 00:44

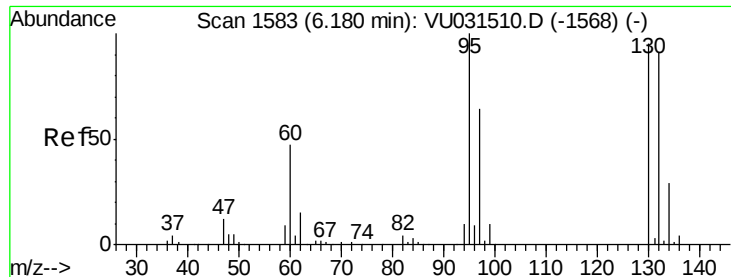
Tgt Ion: 62 Resp: 27096

Ion Ratio Lower Upper

62 100

98 8.8 6.7 10.1





#37

Trichloroethene

Concen: 0.947 ug/l

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:130 Resp: 19533

Ion Ratio Lower Upper

130 100

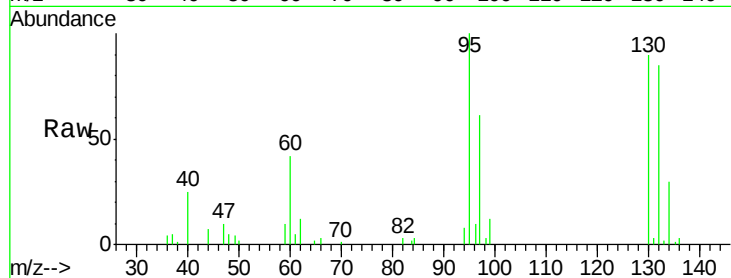
95 111.6 83.8 125.8

Manual Integrations

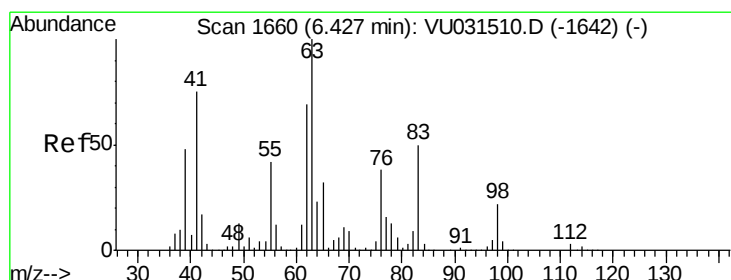
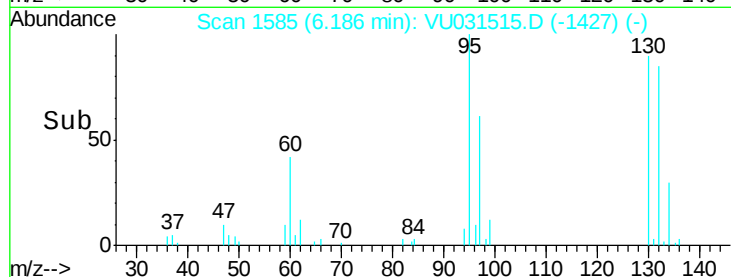
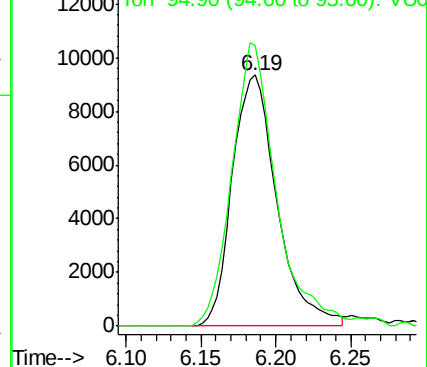
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Abundance Ion 129.90 (129.60 to 130.60): VU031515.D (-1427) (-)



#38

1,2-Dichloropropane

Concen: 0.955 ug/l

RT: 6.43 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VU031515.D

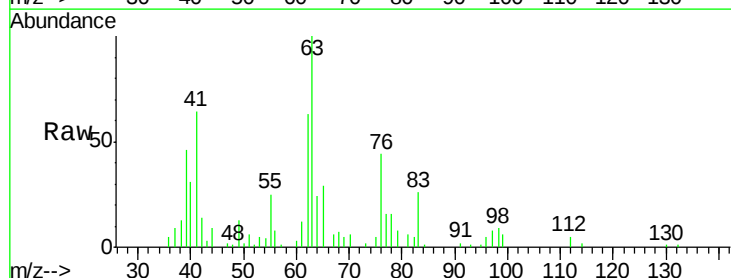
Acq: 26 Apr 2019 00:44

Tgt Ion: 63 Resp: 22748

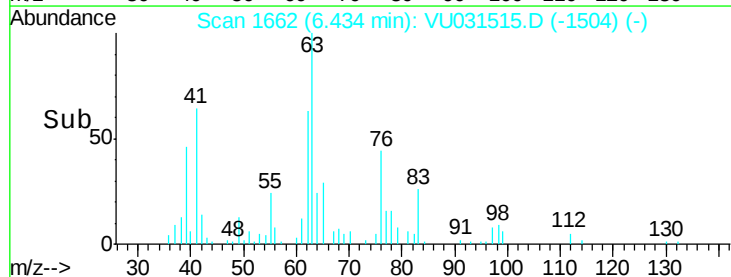
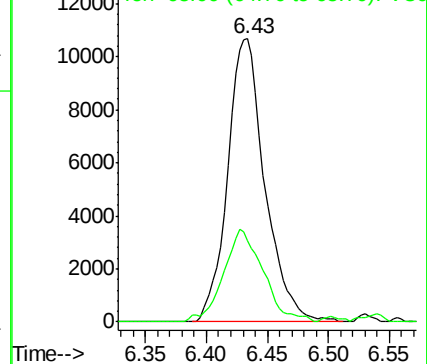
Ion Ratio Lower Upper

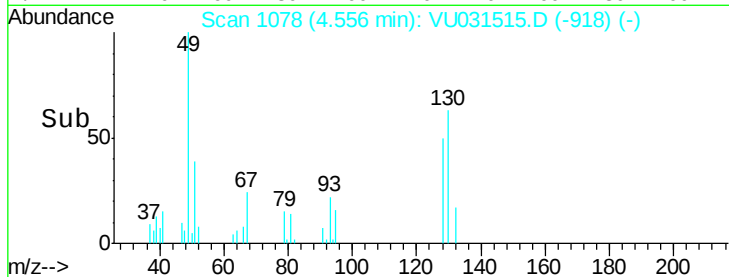
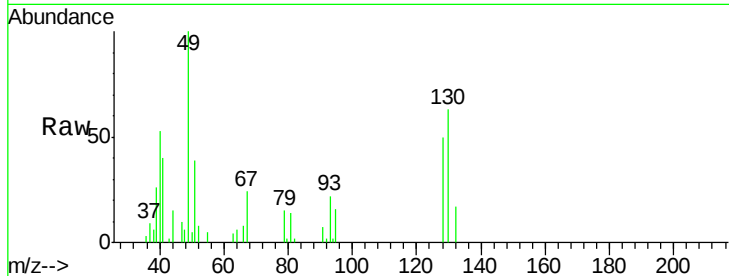
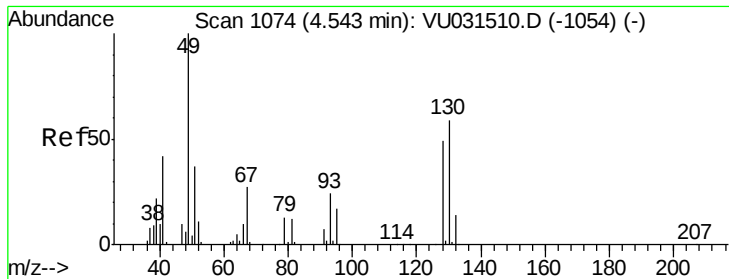
63 100

65 27.4 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU031515.D (-1504) (-)





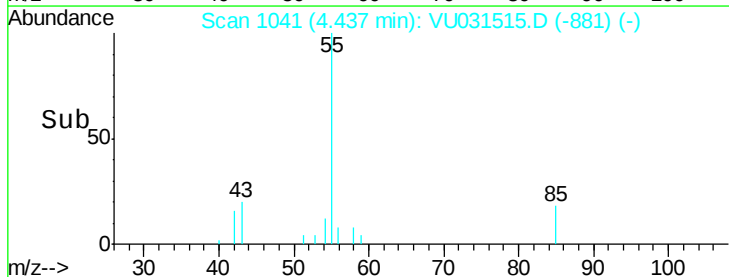
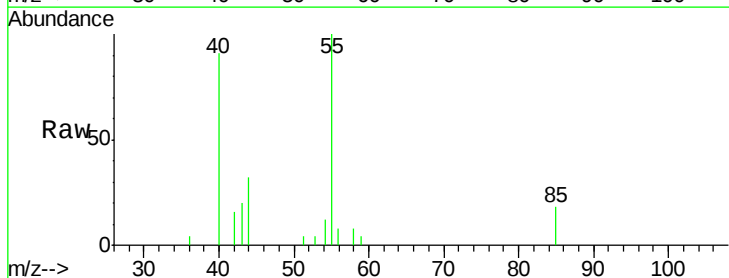
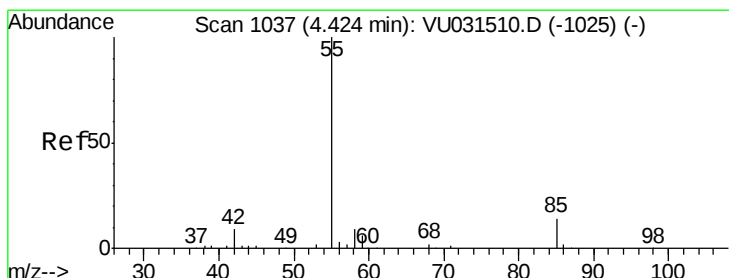
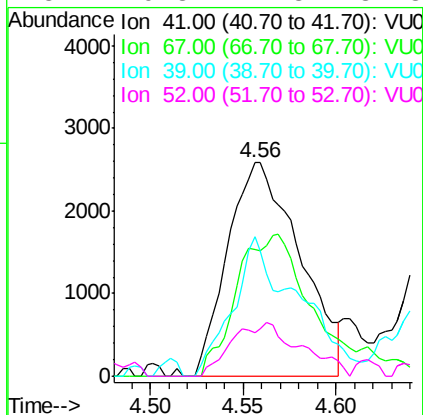
#39
Methacrylonitrile
Concen: 0.922 ug/l
RT: 4.56 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tot Ion	Ratio	Lower	Upper
41	100		
67	67.2	54.2	81.4
39	35.4	43.8	65.8#
52	9.3	21.8	32.8#

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2019

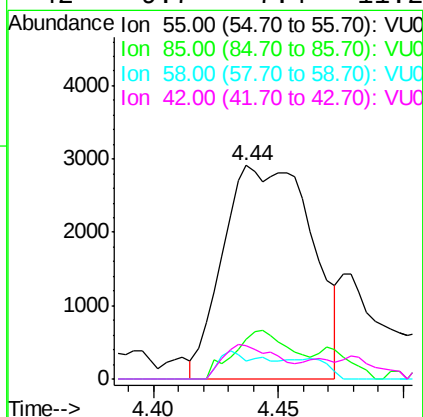
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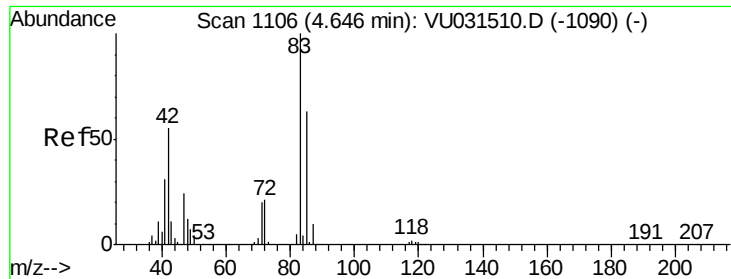
MMDadoda
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#40
Methyl acrylate
Concen: 0.937 ug/l m
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion	Ratio	Lower	Upper
55	100		
85	14.9	11.5	17.3
58	3.8	6.5	9.7#
42	9.7	7.4	11.2





#41

Tetrahydrofuran

Concen: 1.864 ug/l

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

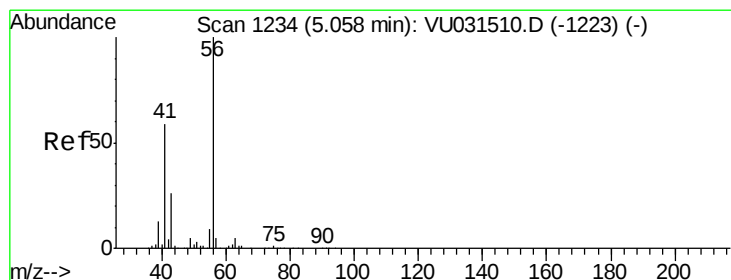
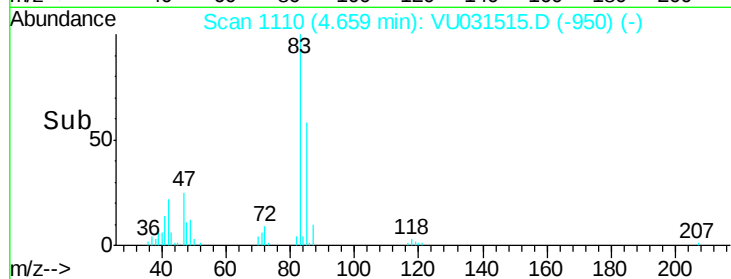
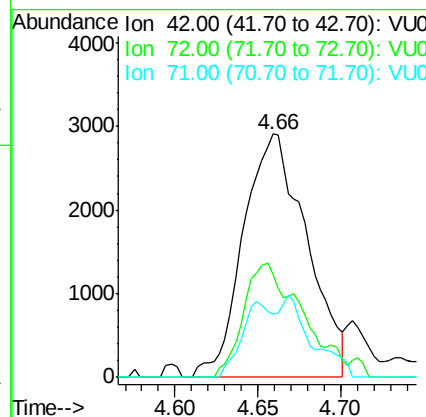
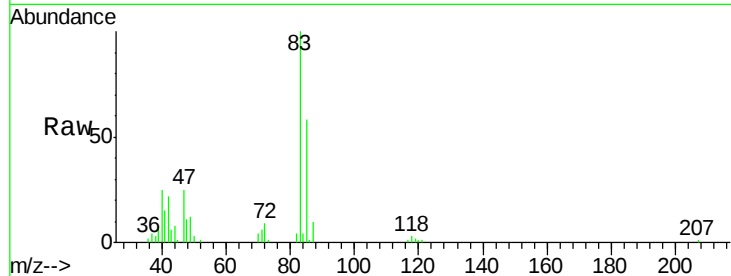
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	32.1	48.1
71	14.7	29.2	43.8

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#42

1-Chlorobutane

Concen: 0.920 ug/l

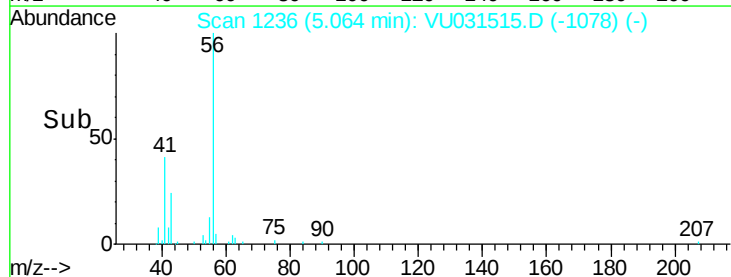
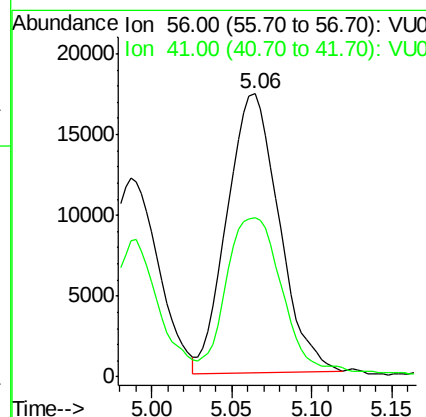
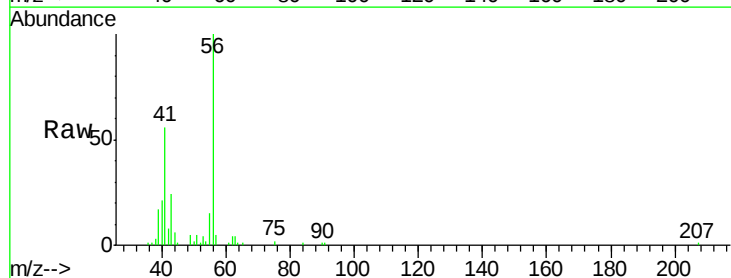
RT: 5.06 min Scan# 1236

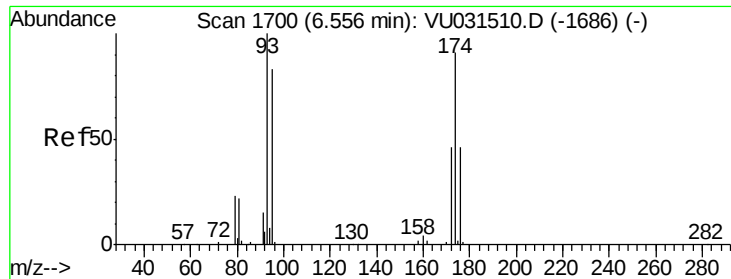
Delta R.T. 0.01 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Tgt Ion	Ratio	Lower	Upper
56	100		
41	62.1	29.3	88.0





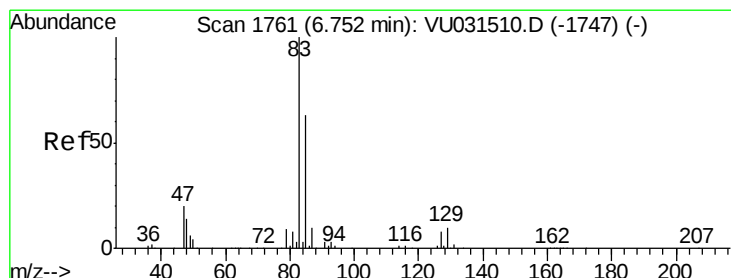
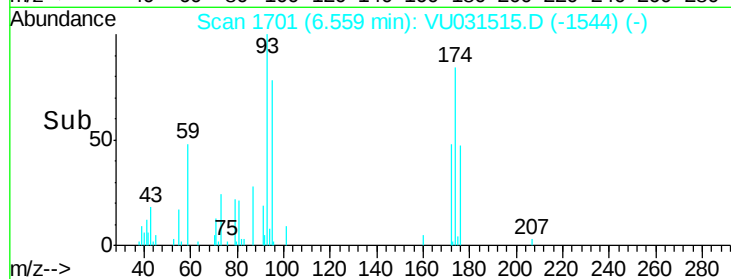
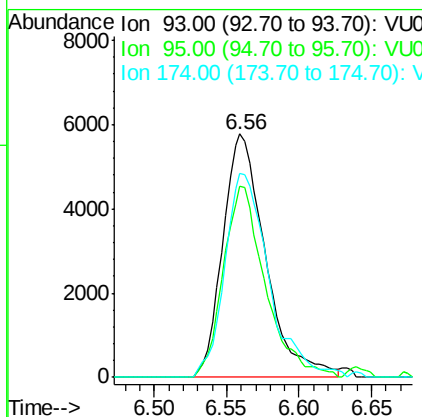
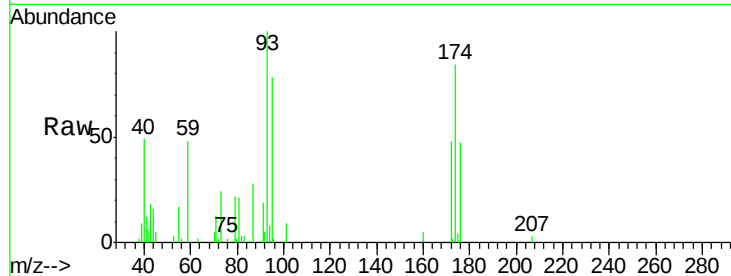
#43
Dibromomethane
Concen: 1.009 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion: 93 Resp: 11813
Ion Ratio Lower Upper
93 100
95 77.6 65.7 98.5
174 86.7 71.8 107.8

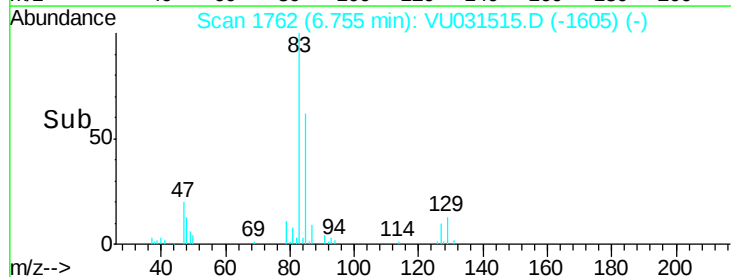
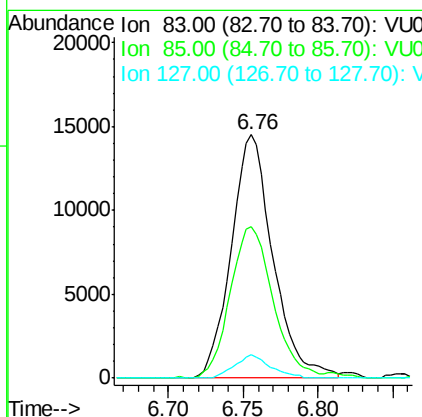
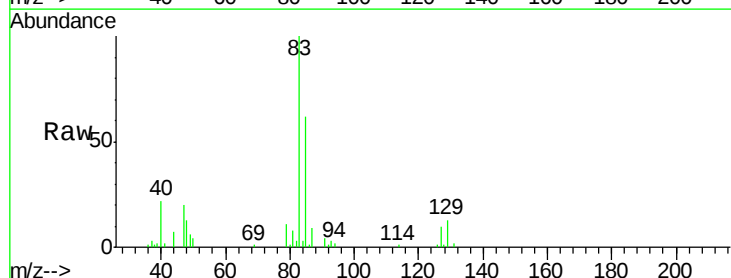
Manual Integrations
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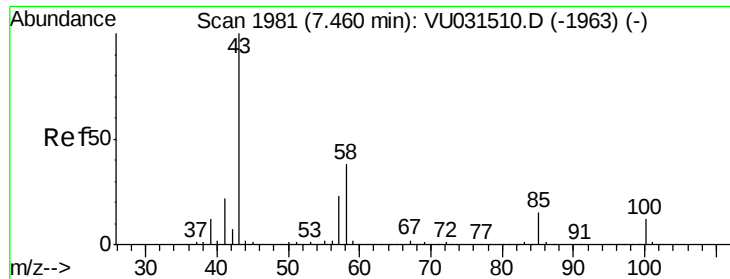
MMdadoda
4/26/2019 12:23:04 PM



#44
Bromodichloromethane
Concen: 0.969 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion: 83 Resp: 28188
Ion Ratio Lower Upper
83 100
85 62.0 50.3 75.5
127 9.6 6.6 9.8





#45

4-Methyl-2-Pentanone

Concen: 4.437 ug/l

RT: 7.46 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

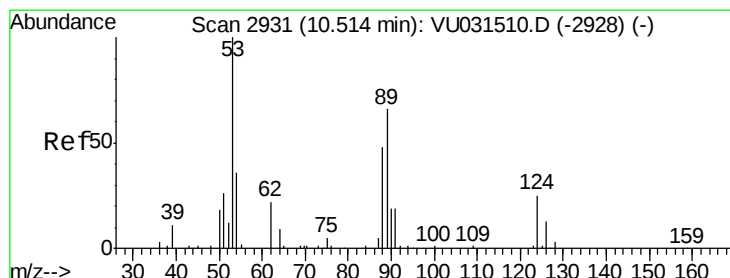
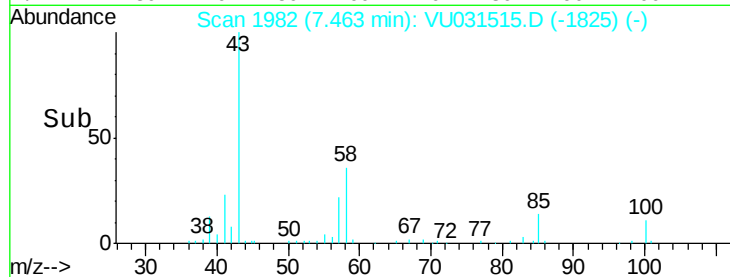
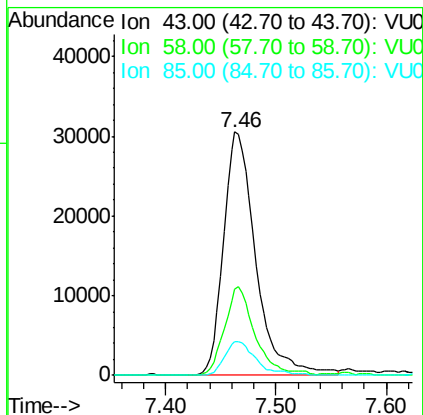
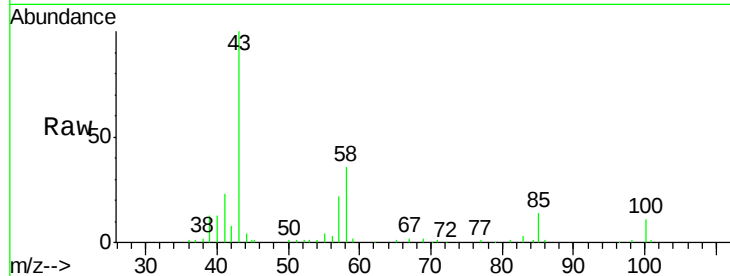
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	43	Resp:	62163
Ion	Ratio	Lower	Upper
43	100		
58	33.6	18.7	56.1
85	13.2	12.1	18.1

Manual Integrations
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#46

t-1,4-Dichloro-2-butene

Concen: 1.603 ug/l m

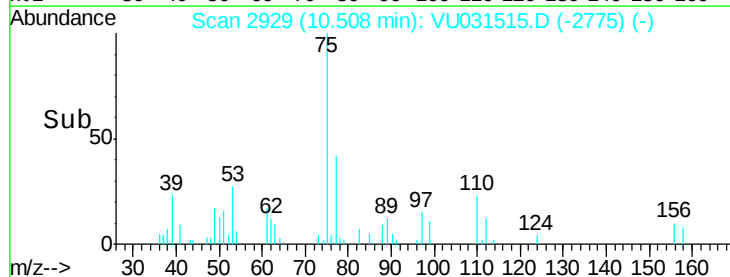
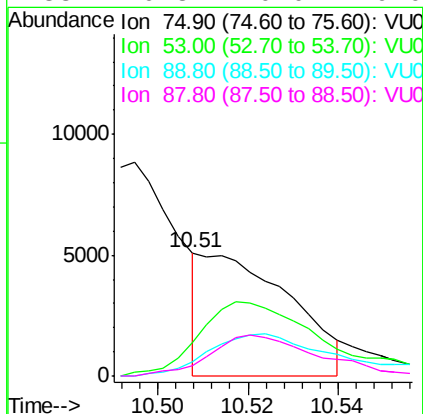
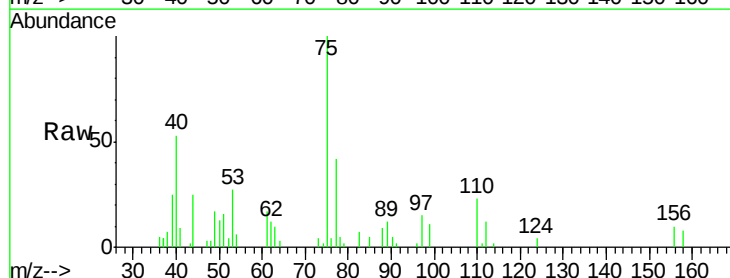
RT: 10.51 min Scan# 2929

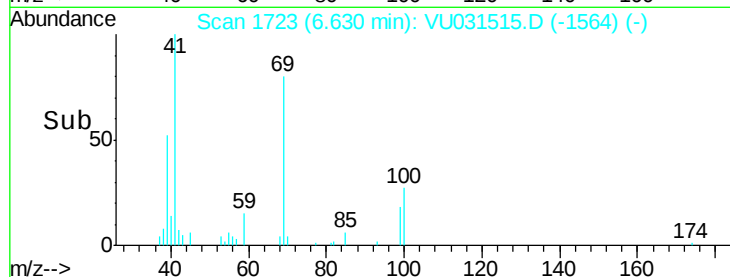
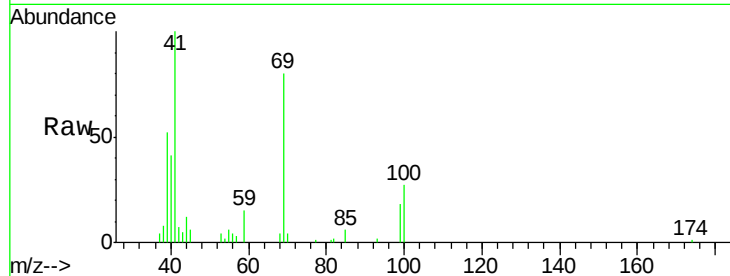
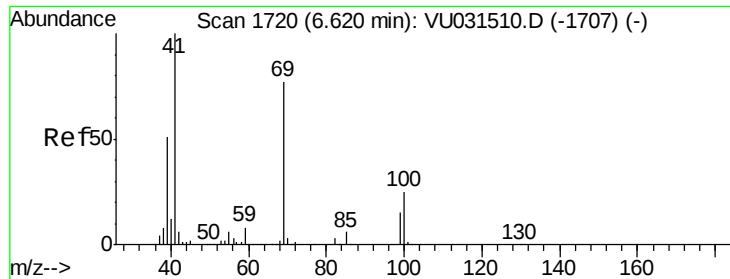
Delta R.T. -0.01 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Tgt Ion:	75	Resp:	6893
Ion	Ratio	Lower	Upper
75	100		
53	84.1	63.8	95.8
89	50.6	38.6	57.8
88	40.8	0.0	0.0#





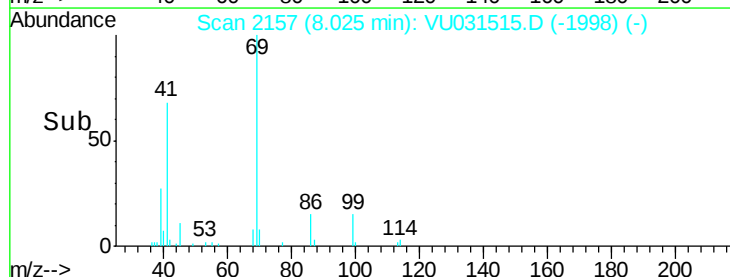
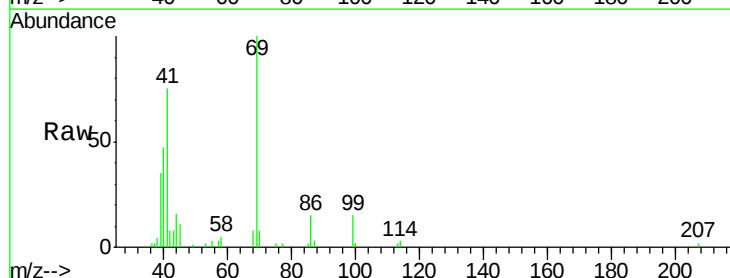
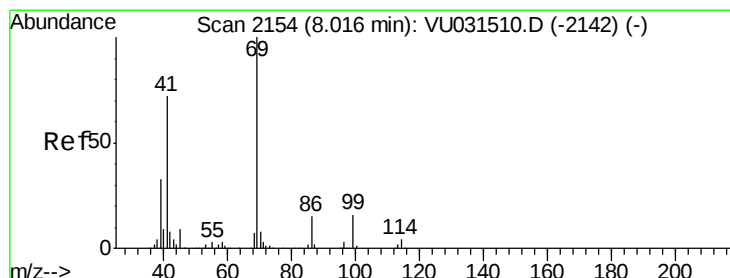
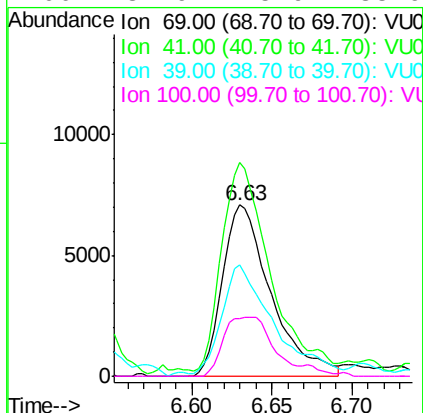
#47
Methyl methacrylate
Concen: 1.628 ug/l
RT: 6.63 min Scan# 1723
Delta R.T. 0.01 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	119.5	0.0	256.4		
39	66.0	52.2	78.4		
100	34.9	25.9	38.9		

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2019

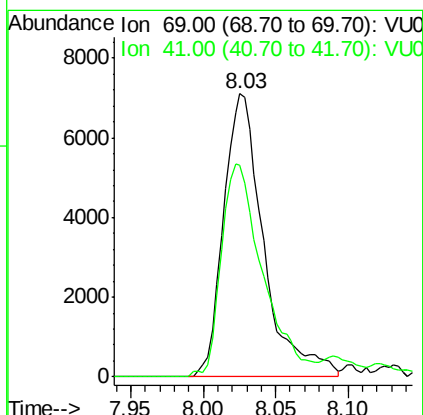
Manual Integrations
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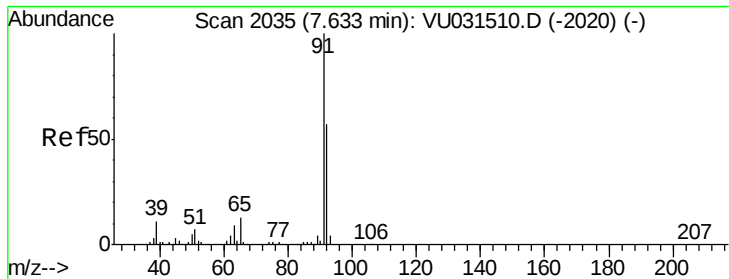
MMDadoda
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#48
Ethyl methacrylate
Concen: 0.871 ug/l
RT: 8.03 min Scan# 2157
Delta R.T. 0.01 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	77.6	35.5	106.5		





#49

Toluene

Concen: 0.831 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 92 Resp: 36415

Ion Ratio Lower Upper

92 100

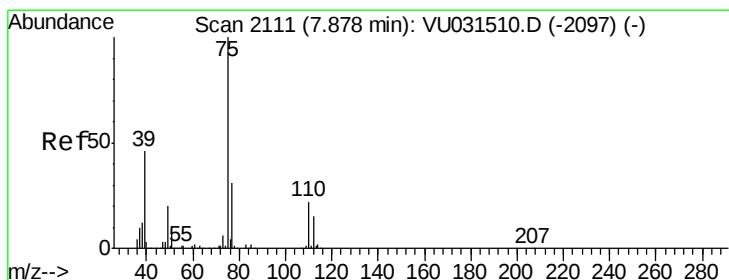
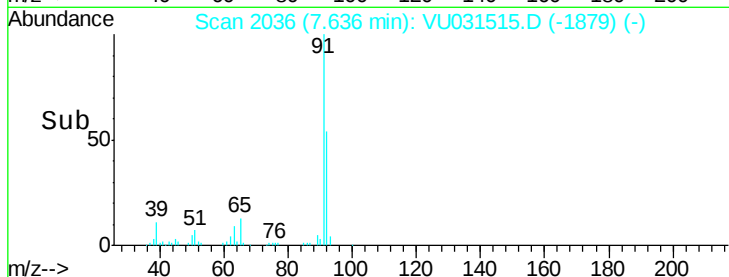
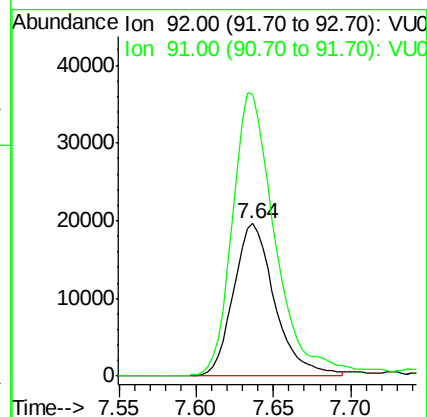
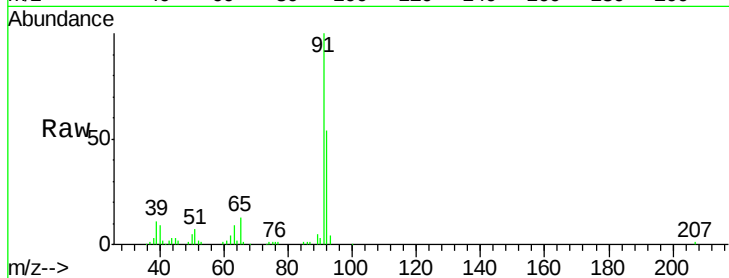
91 192.9 142.0 213.0

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 0.901 ug/l

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU031515.D

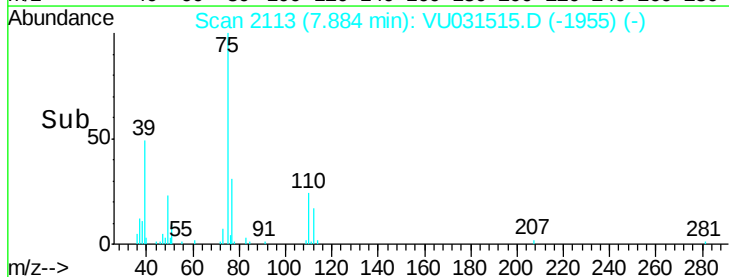
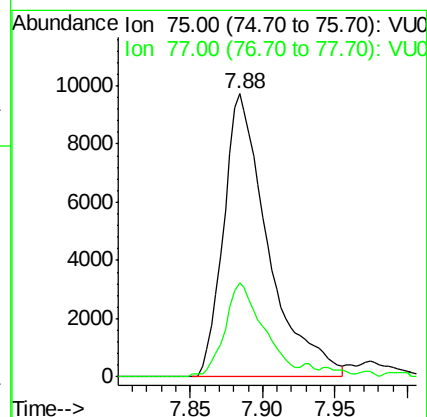
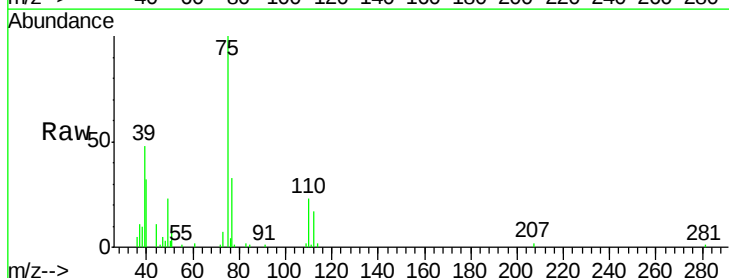
Acq: 26 Apr 2019 00:44

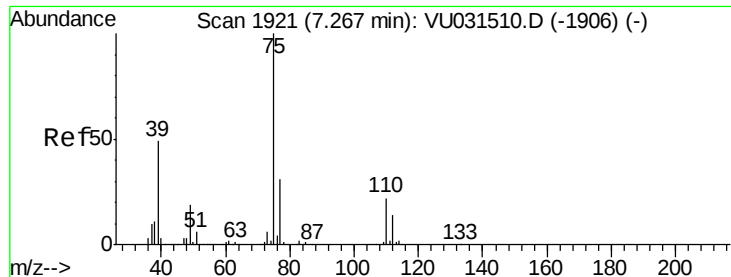
Tgt Ion: 75 Resp: 20650

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4





#51

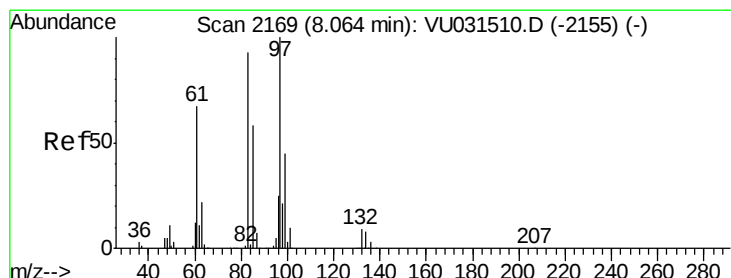
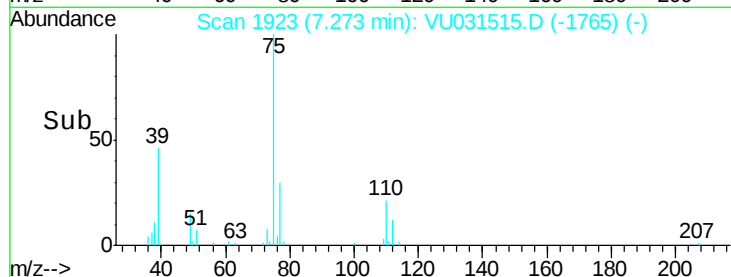
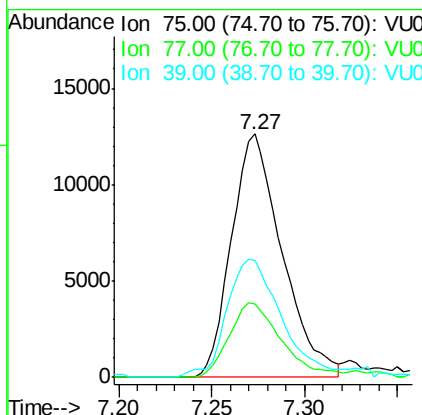
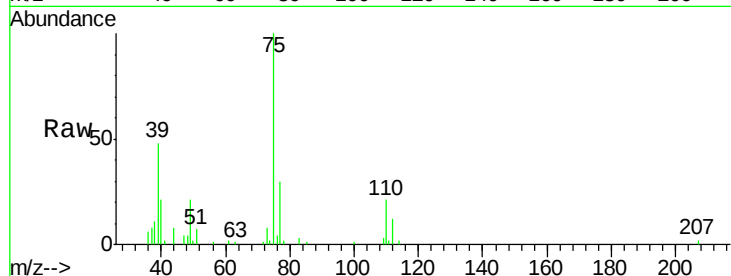
cis-1,3-Dichloropropene
 Concen: 0.858 ug/l
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VU031515.D
 Acq: 26 Apr 2019 00:44

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.0	37.4
39	45.6	39.0	58.6

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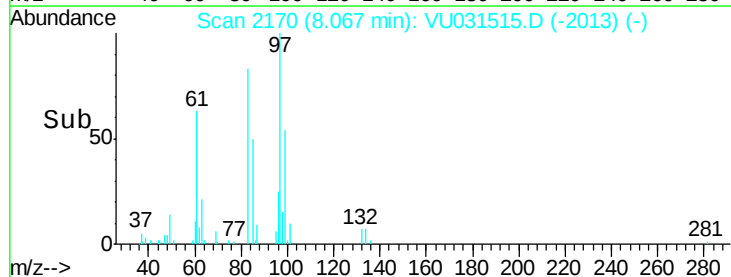
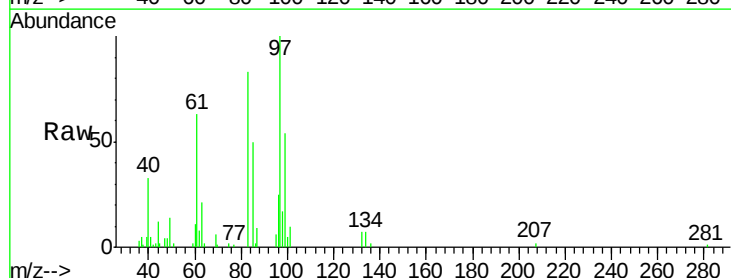
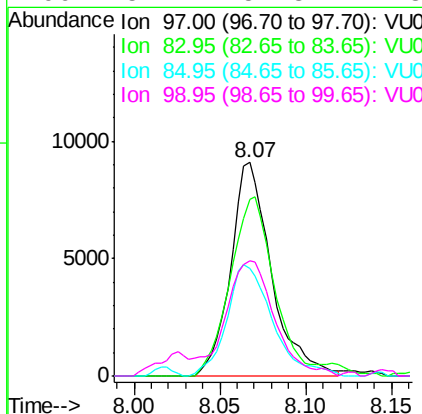
MMDadoda
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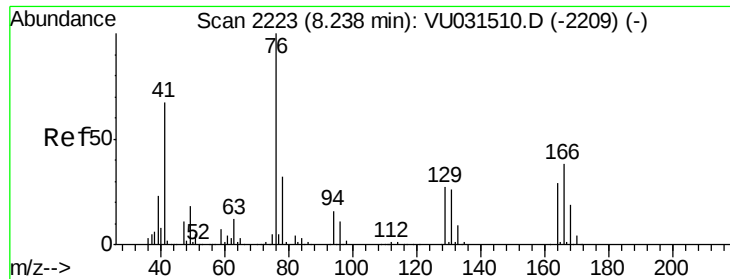


#52

1,1,2-Trichloroethane
 Concen: 0.987 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU031515.D
 Acq: 26 Apr 2019 00:44

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.6	74.8	112.2
85	50.2	48.3	72.5
99	54.2	51.8	77.8





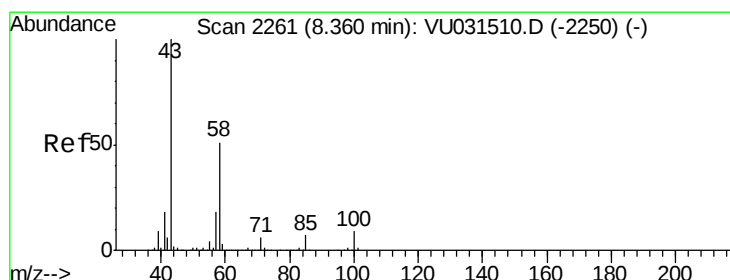
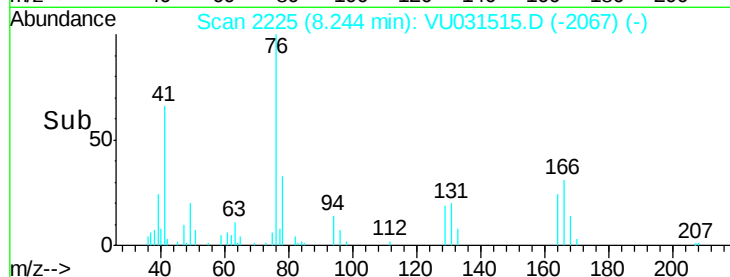
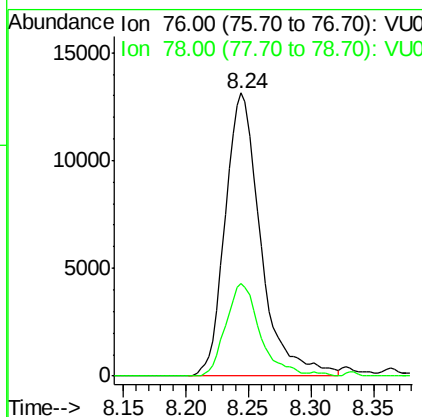
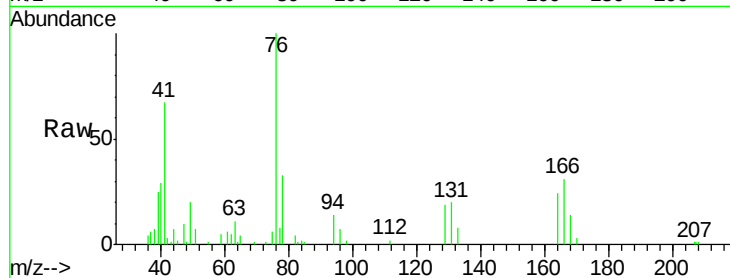
#53
 1,3-Dichloropropane
 Concen: 0.965 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: VU031515.D
 Acq: 26 Apr 2019 00:44

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion: 76 Resp: 25860
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.7 38.5

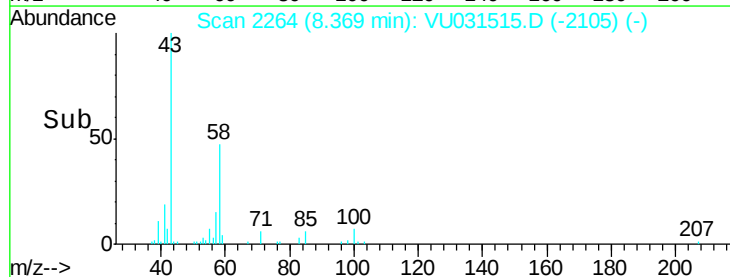
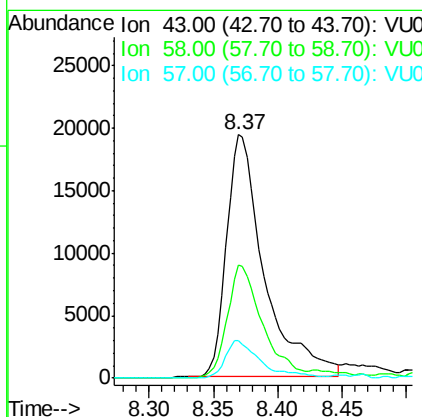
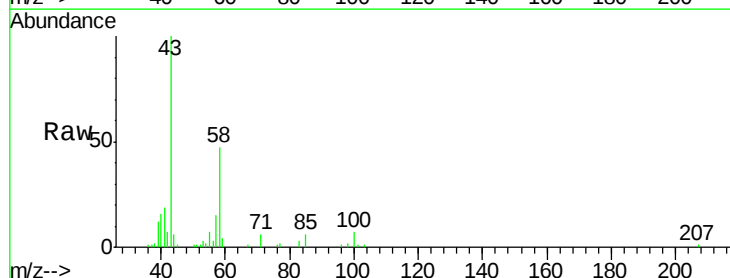
Manual Integrations
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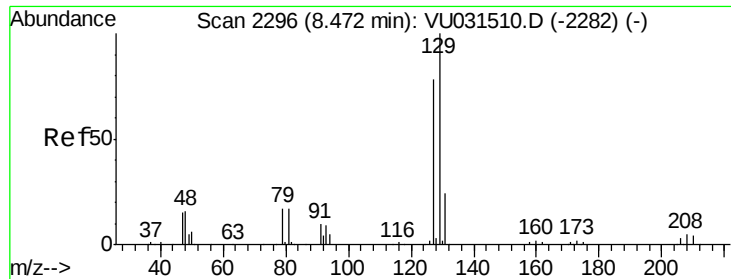
MMdadoda
 4/26/2019 12:23:04 PM



#54
 2-Hexanone
 Concen: 4.192 ug/l
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: VU031515.D
 Acq: 26 Apr 2019 00:44

Tgt Ion: 43 Resp: 39597
 Ion Ratio Lower Upper
 43 100
 58 43.2 30.3 70.3
 57 14.6 0.0 37.8





#55

Dibromochloromethane

Concen: 0.985 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:129 Resp: 16964

Ion Ratio Lower Upper

129 100

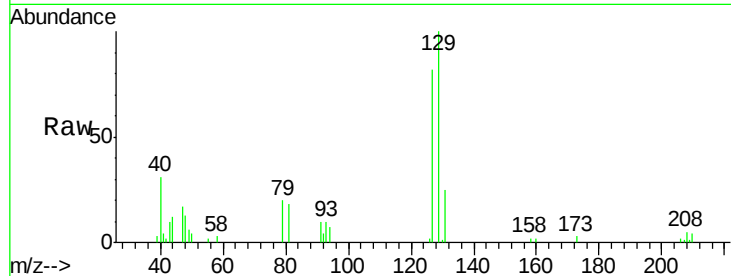
127 78.0 62.6 94.0

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.48

10000

8000

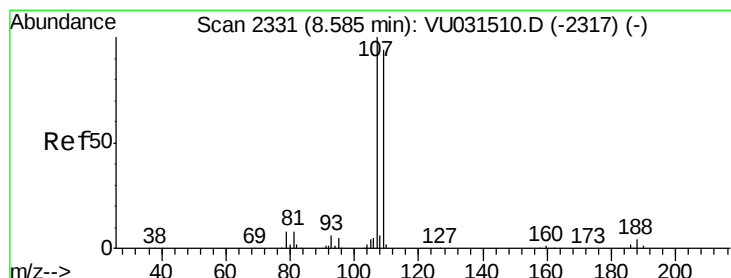
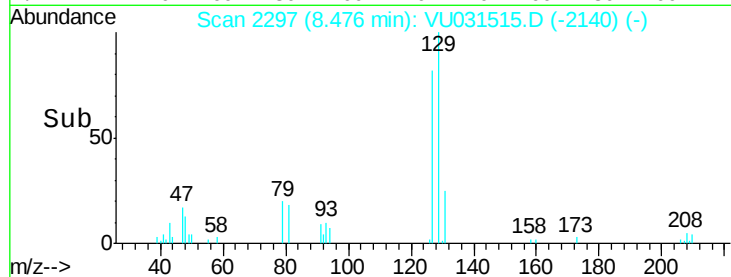
6000

4000

2000

0

Time--> 8.40 8.45 8.50 8.55



#56

1,2-Dibromoethane

Concen: 0.958 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU031515.D

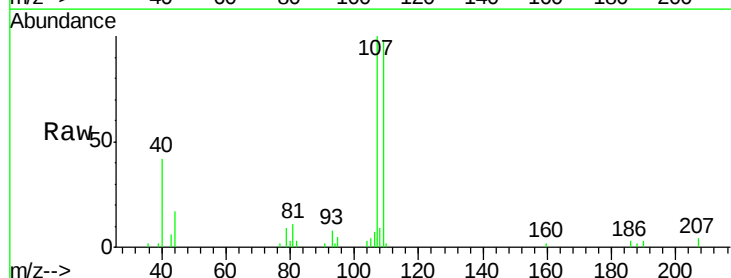
Acq: 26 Apr 2019 00:44

Tgt Ion:107 Resp: 13092

Ion Ratio Lower Upper

107 100

109 97.7 0.0 186.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.59

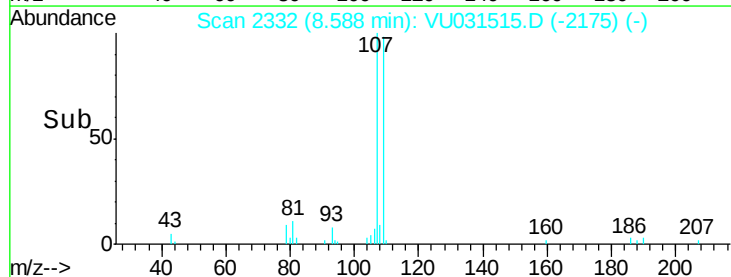
6000

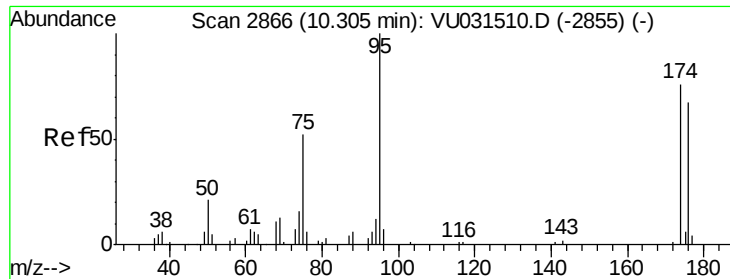
4000

2000

0

Time--> 8.50 8.55 8.60 8.65 8.70





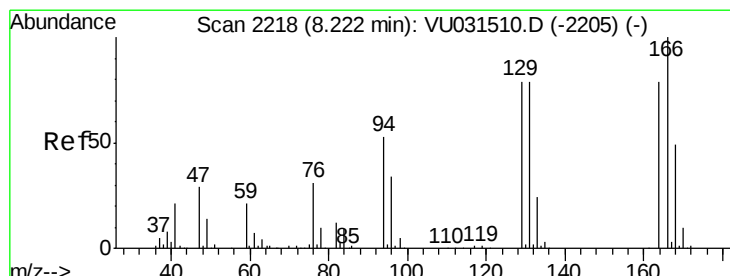
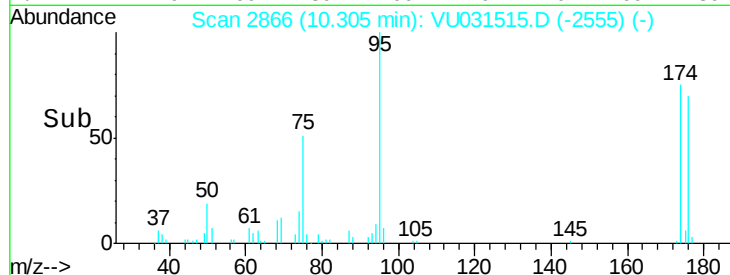
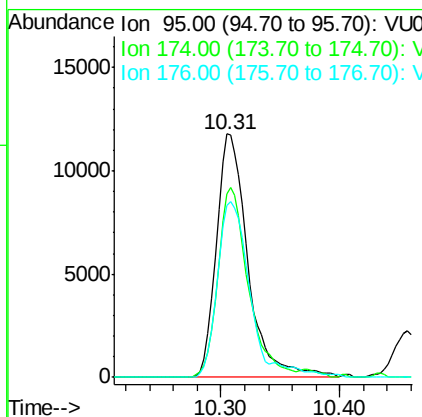
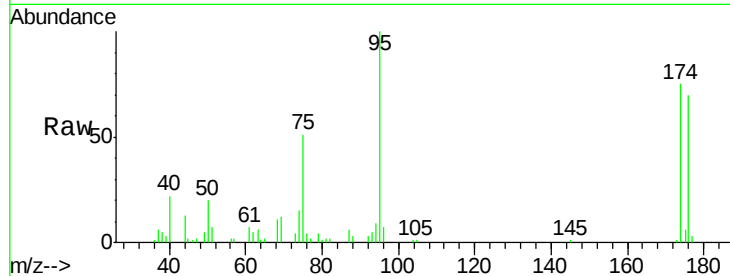
#57
4-Bromofluorobenzene
Concen: 0.948 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
95	100		
174	74.9	57.9	86.9
176	74.5	54.0	81.0

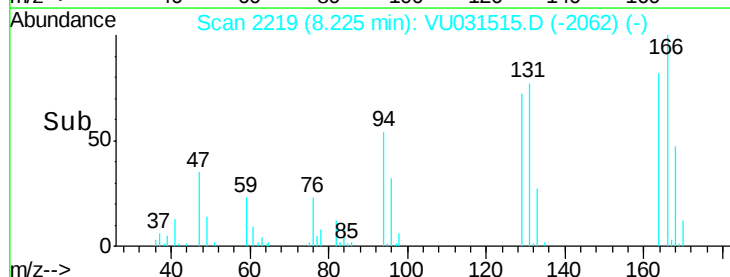
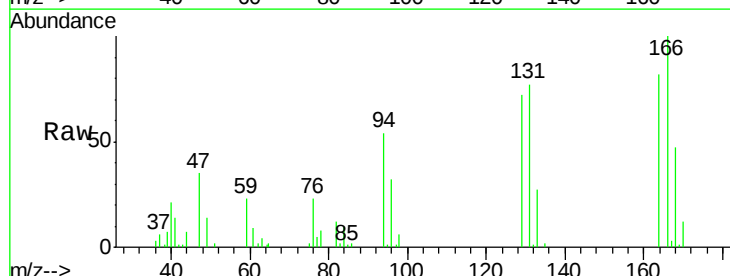
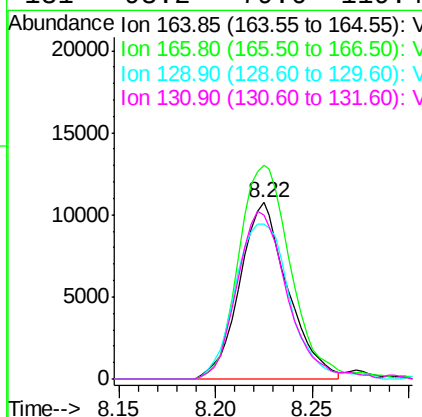
Manual Integrations
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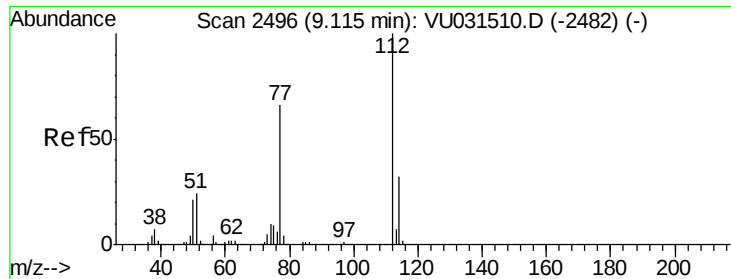
MMDadoda
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#58
Tetrachloroethene
Concen: 0.937 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.2	101.2	151.8
129	87.8	80.2	120.4
131	93.2	79.6	119.4





#59

Chlorobenzene

Concen: 0.924 ug/l

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:112 Resp: 42478

Ion Ratio Lower Upper

112 100

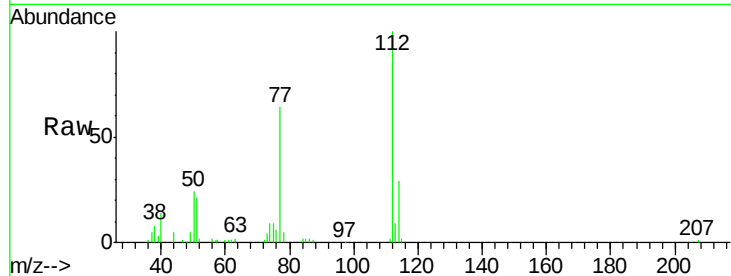
114 29.4 25.8 38.6

Manual Integrations

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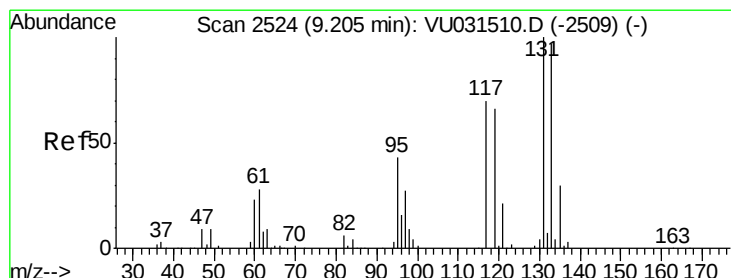
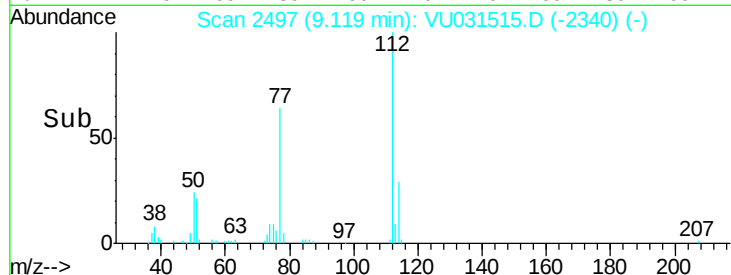
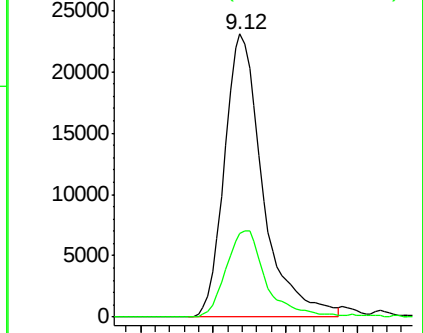
MMdadoda

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 0.936 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

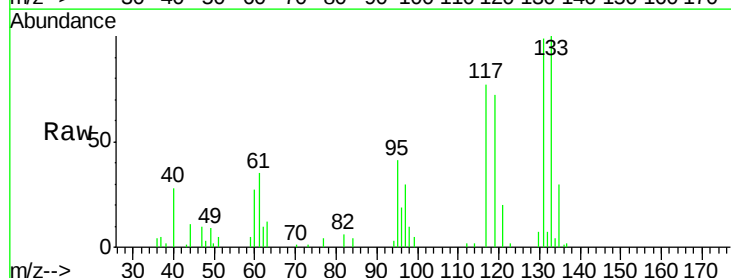
Tgt Ion:131 Resp: 16783

Ion Ratio Lower Upper

131 100

133 98.2 77.7 116.5

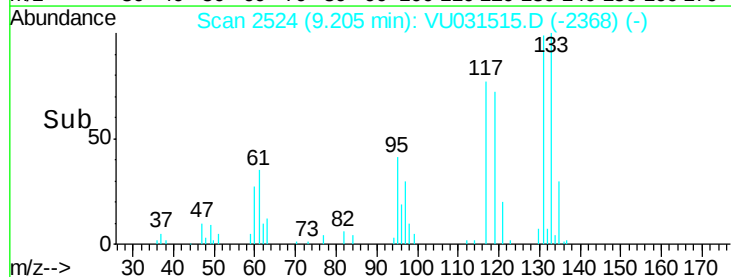
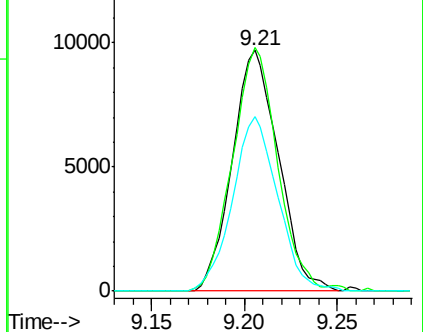
119 71.0 53.4 80.0

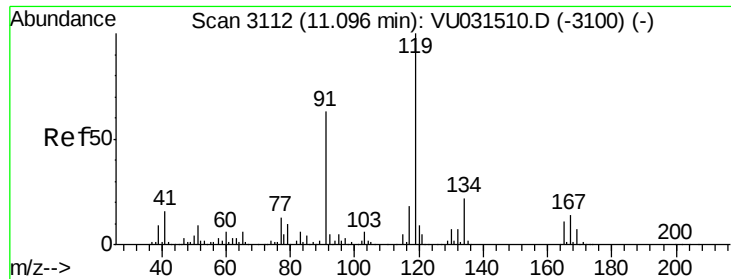


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





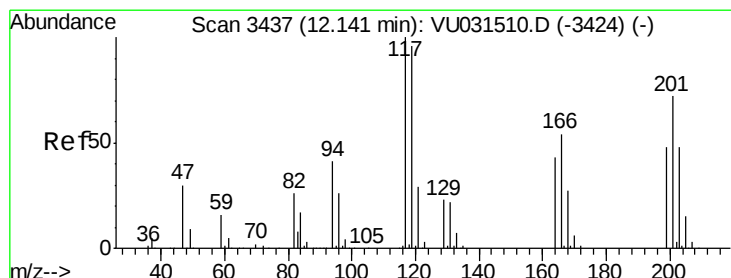
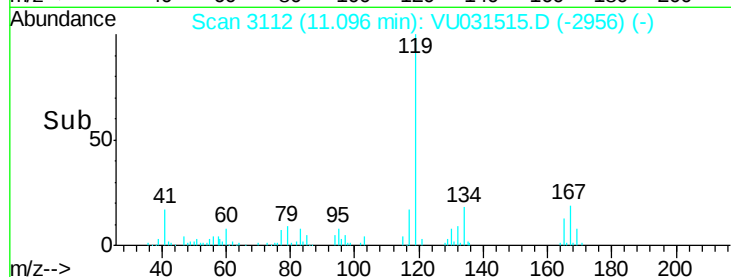
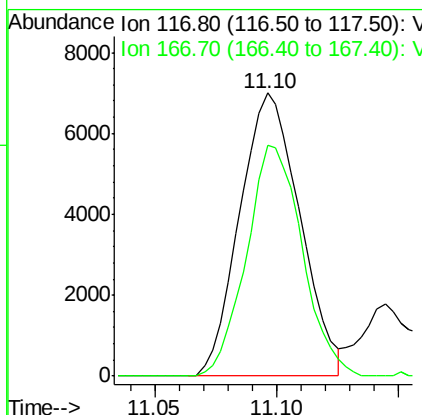
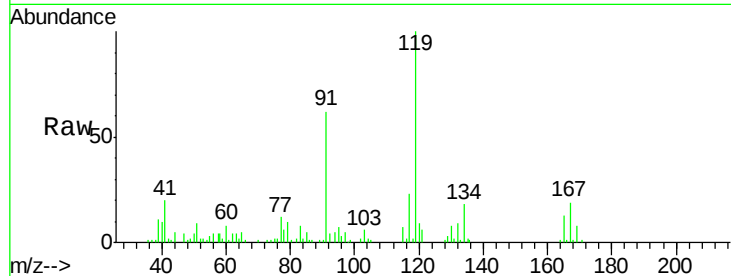
#61
 Pentachloroethane
 Concen: 0.942 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031515.D
 Acq: 26 Apr 2019 00:44

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
117	100	11965		
167	75.4	62.5	93.7	

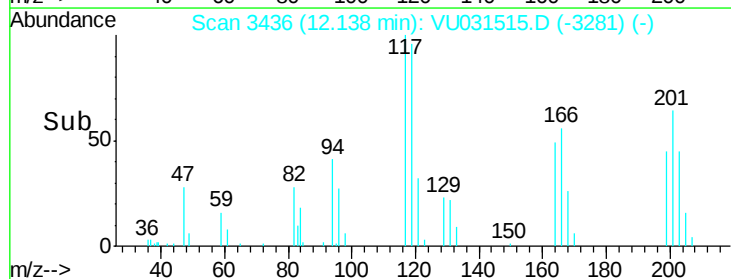
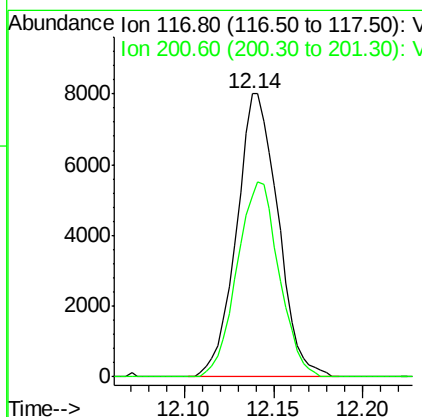
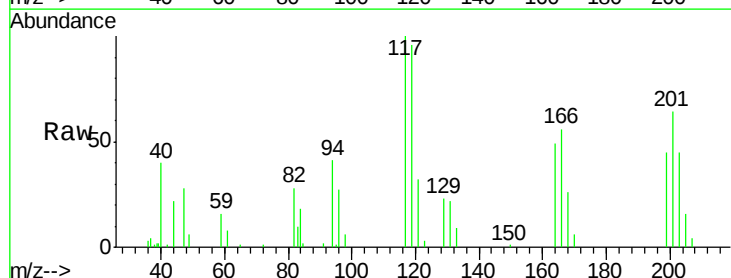
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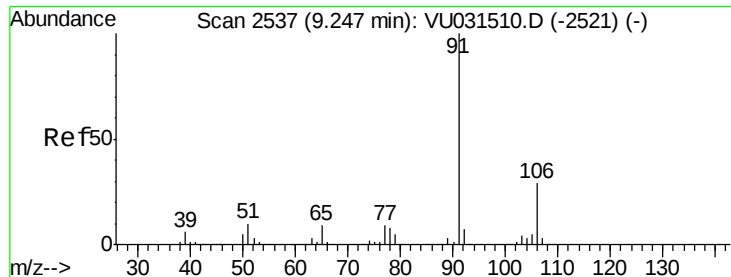
MMDadoda
 4/26/2019 12:23:04 PM



#62
 Hexachloroethane
 Concen: 1.040 ug/l
 RT: 12.14 min Scan# 3436
 Delta R.T. -0.00 min
 Lab File: VU031515.D
 Acq: 26 Apr 2019 00:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	13014		
201	69.6	60.0	90.0	





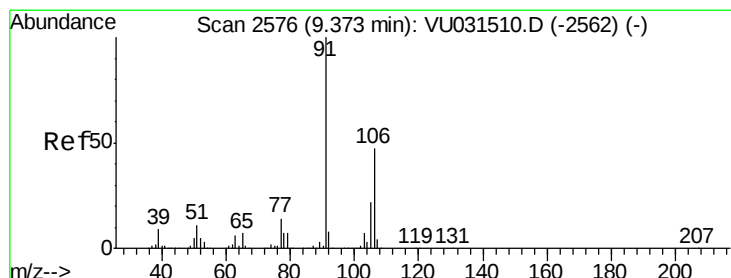
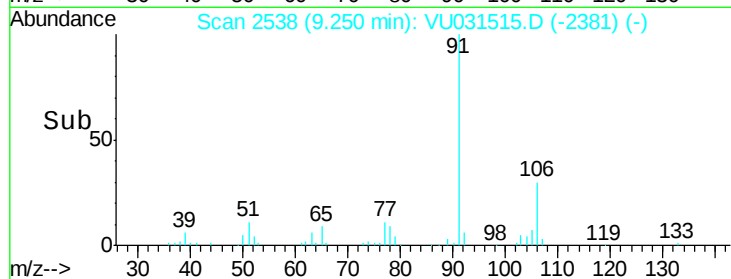
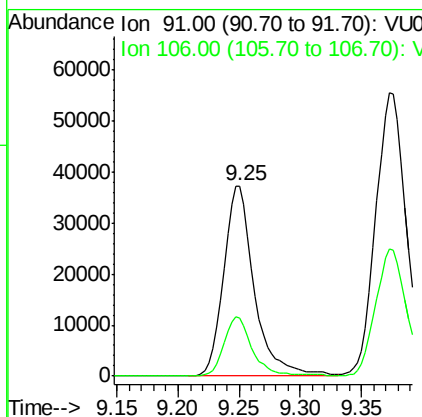
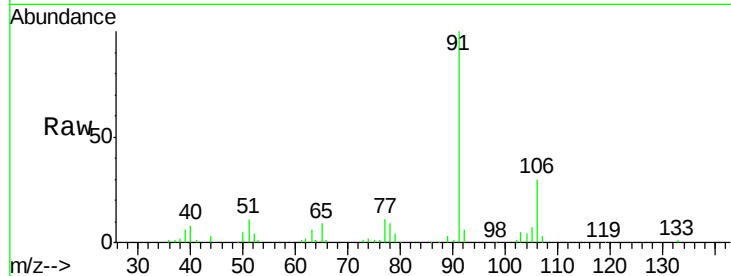
#63
Ethyl Benzene
Concen: 0.873 ug/l
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion: 91 Resp: 65725
Ion Ratio Lower Upper
91 100
106 30.4 23.4 35.2

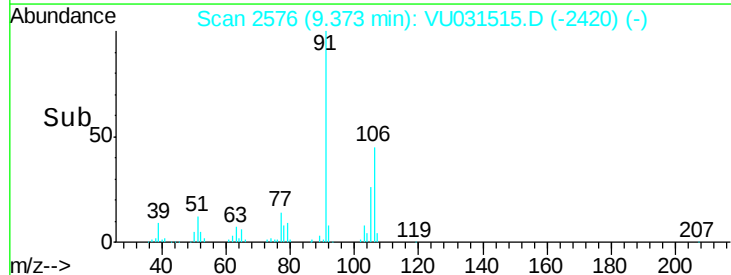
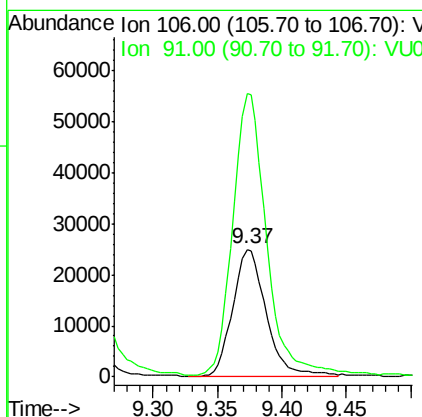
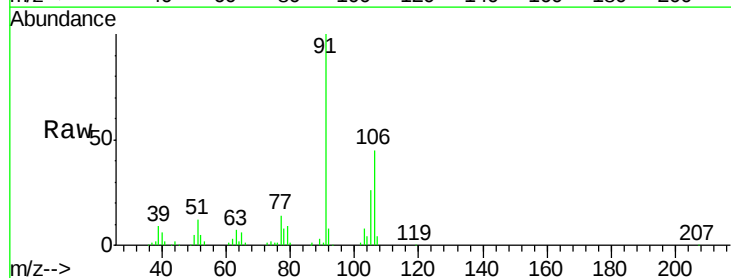
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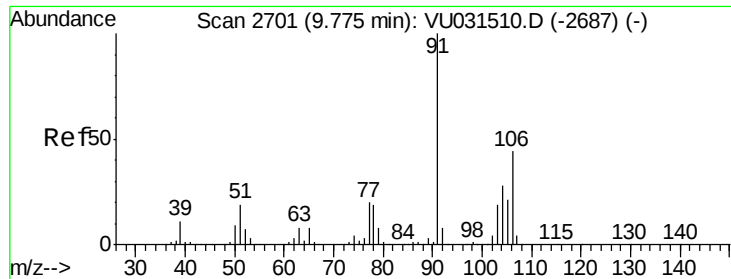
MMdadoda
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#64
m/p-Xylenes
Concen: 1.591 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion: 106 Resp: 44821
Ion Ratio Lower Upper
106 100
91 222.4 171.0 256.4





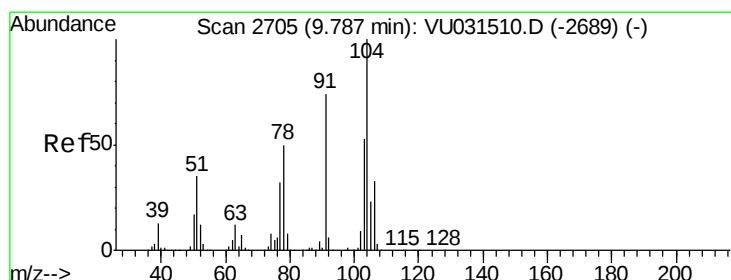
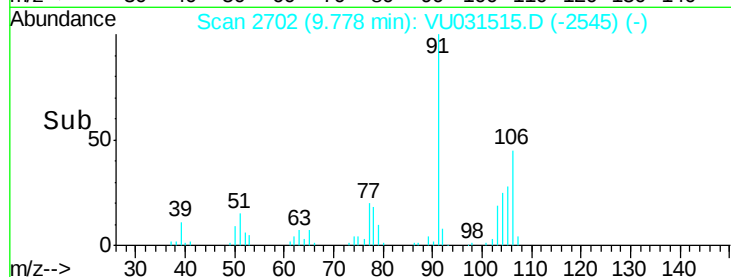
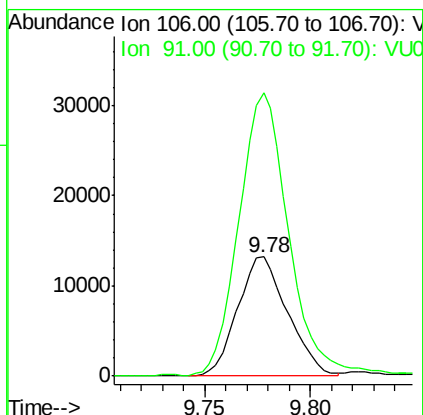
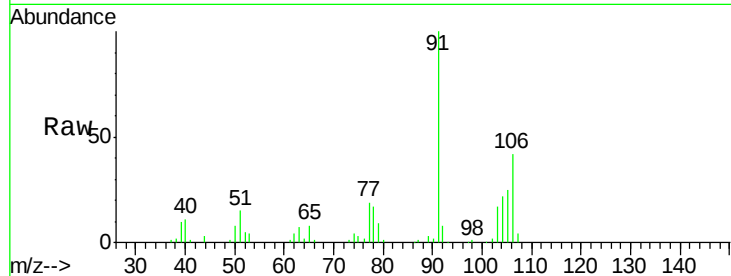
#65
o-Xylene
Concen: 0.798 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion:106 Resp: 21854
Ion Ratio Lower Upper
106 100
91 238.1 113.8 341.4

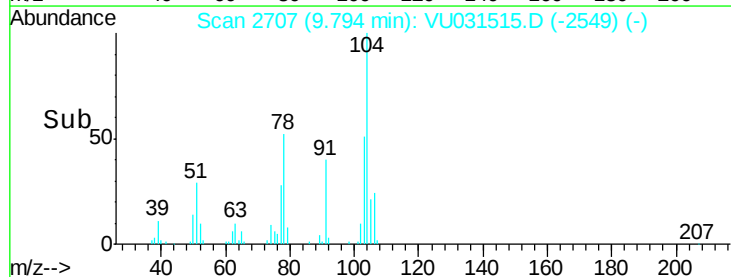
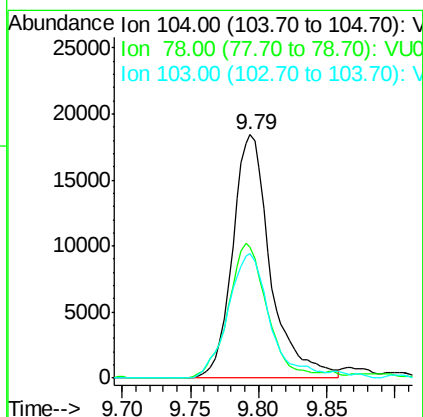
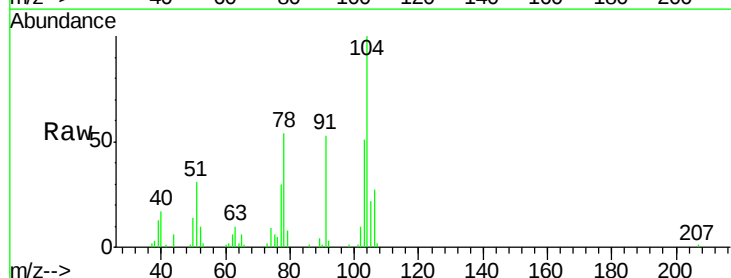
Manual Integrations
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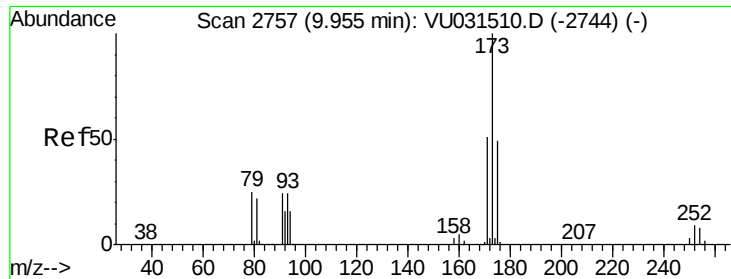
MMdadoda
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#66
Styrene
Concen: 0.946 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.01 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion:104 Resp: 35597
Ion Ratio Lower Upper
104 100
78 56.8 42.5 63.7
103 56.0 44.5 66.7





#67

Bromoform

Concen: 0.971 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

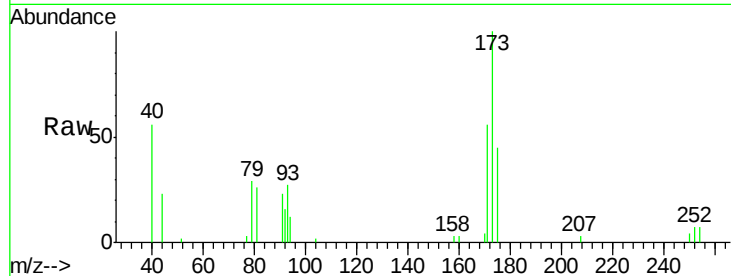
ClientSampleId :

LOQ-WATER-02-QT2-2019

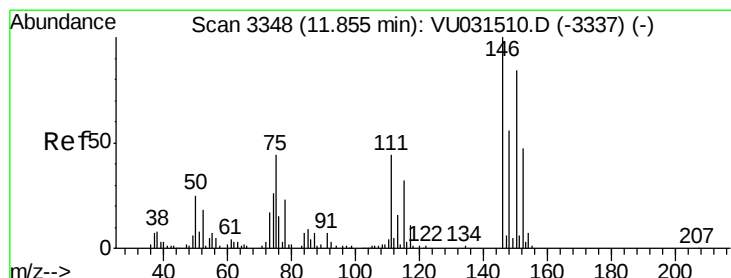
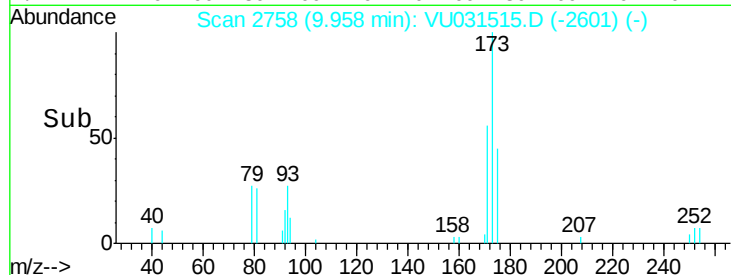
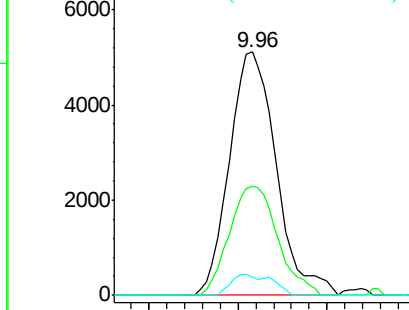
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.1	38.7	58.1
254	4.7	6.0	9.0

Manual Integrations
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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



#68

1,2-Dichlorobenzene-d4

Concen: 1.026 ug/l

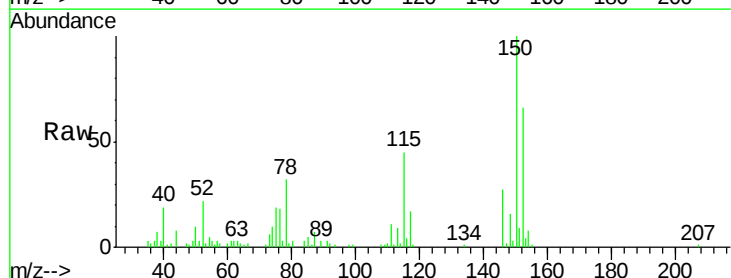
RT: 11.86 min Scan# 3350

Delta R.T. 0.01 min

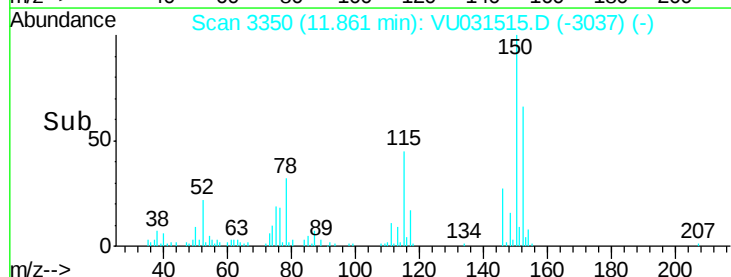
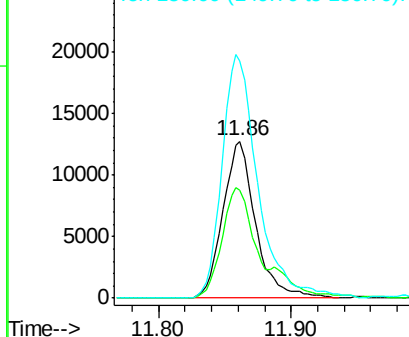
Lab File: VU031515.D

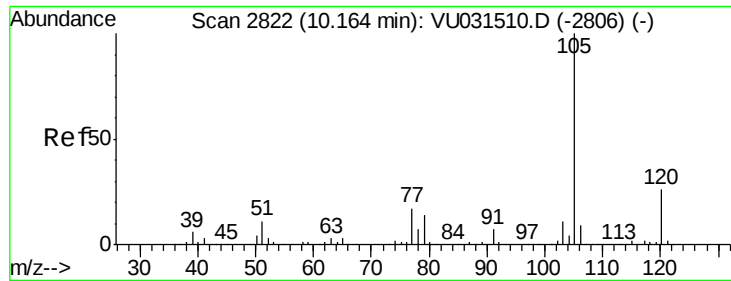
Acq: 26 Apr 2019 00:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.0	0.0	123.2
150	170.9	0.0	658.2



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: 0.828 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:105 Resp: 59341

Ion Ratio Lower Upper

105 100

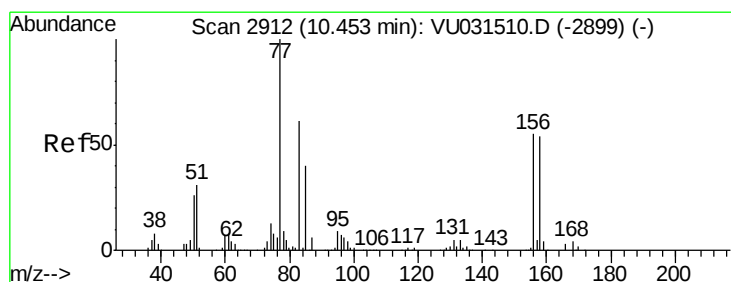
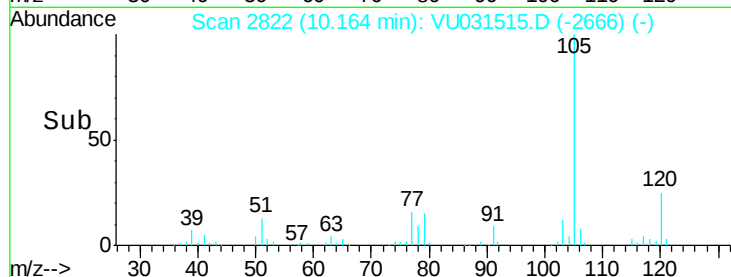
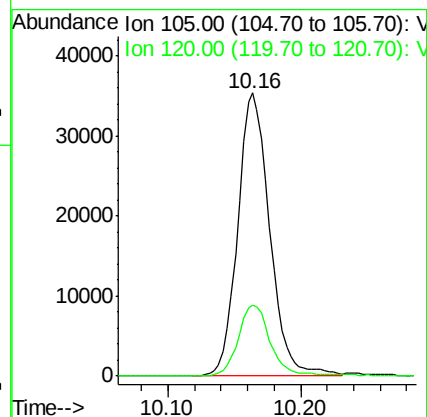
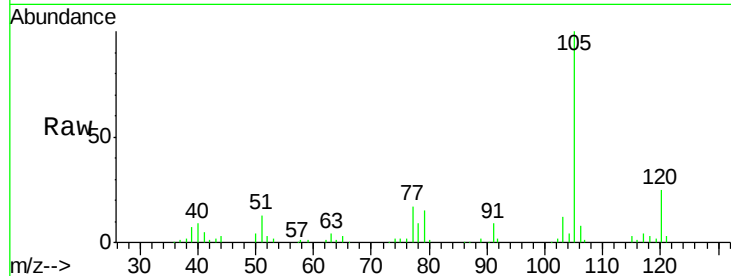
120 25.4 12.4 37.4

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.040 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

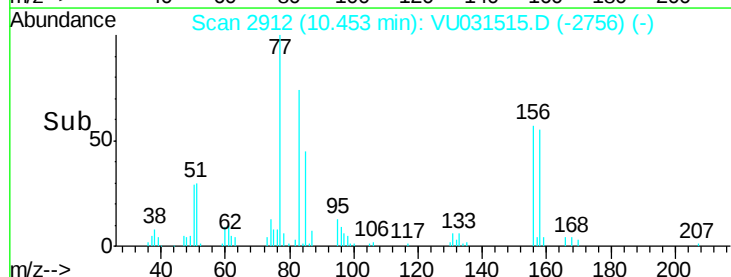
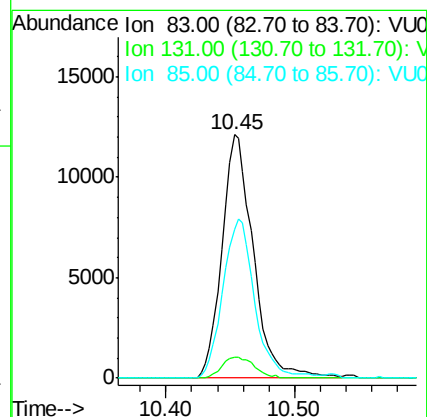
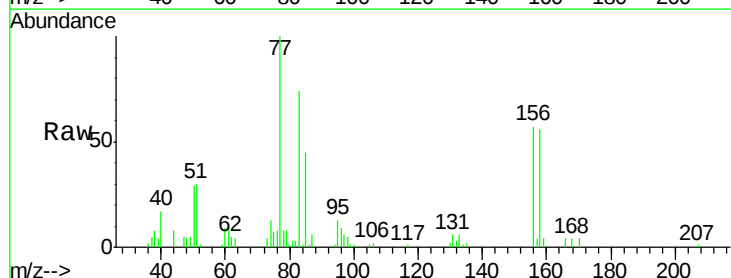
Tgt Ion: 83 Resp: 20448

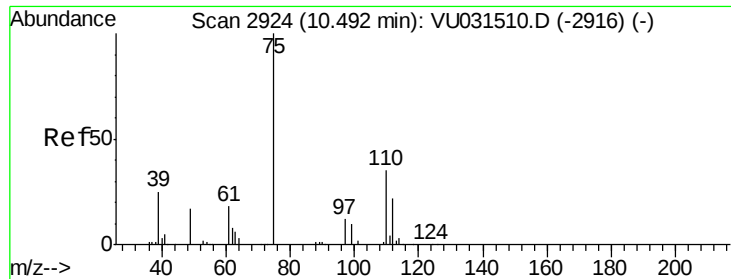
Ion Ratio Lower Upper

83 100

131 8.8 7.2 10.8

85 65.1 52.8 79.2





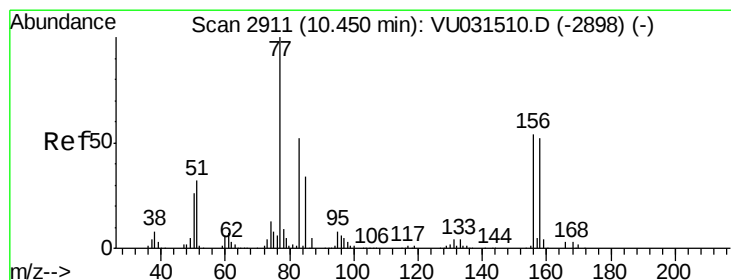
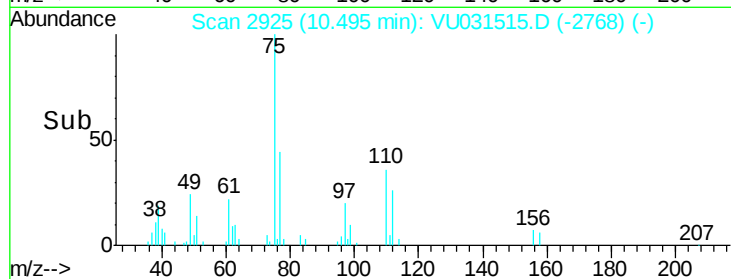
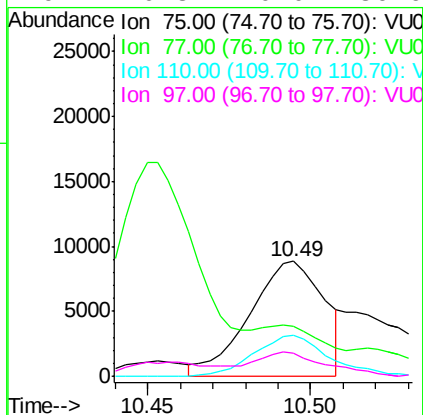
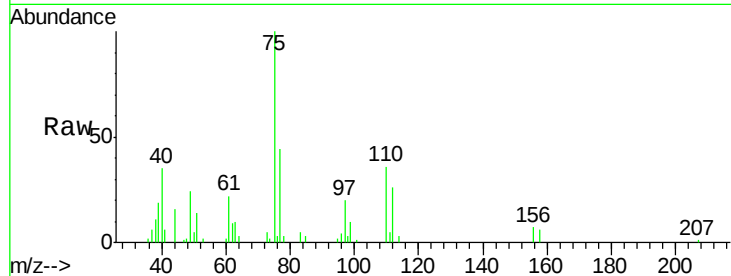
#71
1,2,3-Trichloropropane
Concen: 0.975 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	36.1	0.0	68.2
97	20.3	0.0	36.6

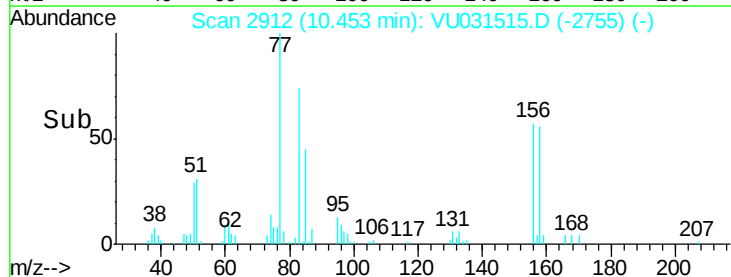
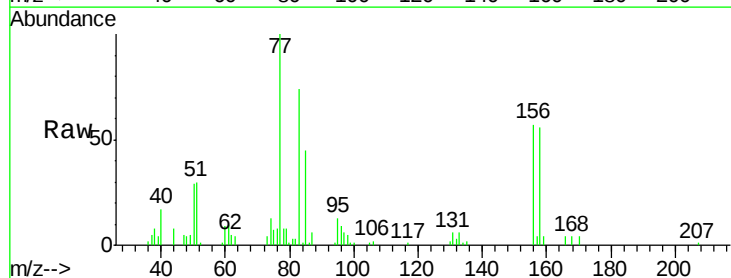
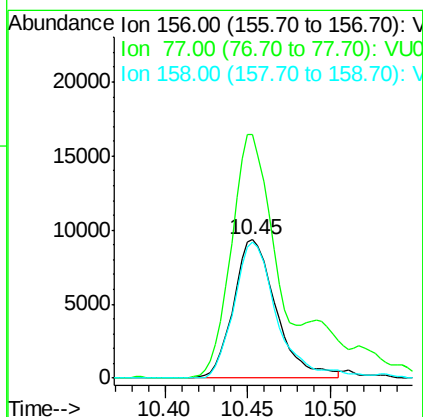
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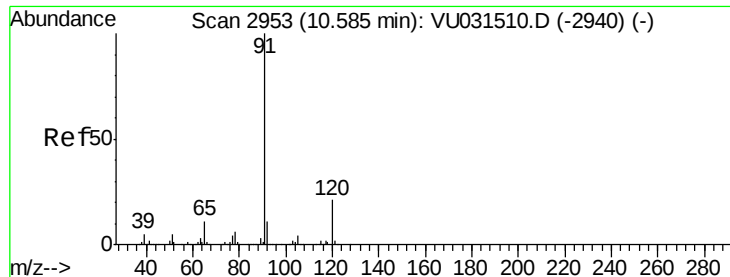
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#72
Bromobenzene
Concen: 0.926 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion	Ratio	Lower	Upper
156	100		
77	171.4	0.0	353.4
158	98.6	0.0	190.6





#73

n-propylbenzene

Concen: 0.833 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:120 Resp: 15454

Ion Ratio Lower Upper

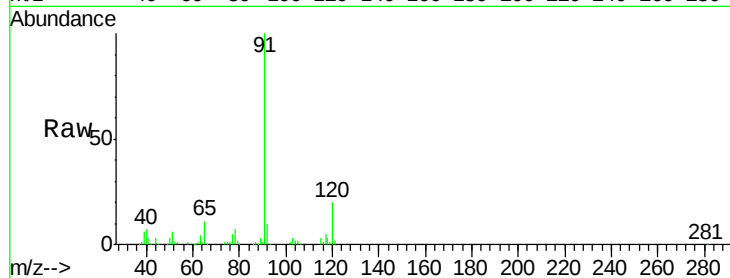
120 100

91 465.0 373.9 560.9

Manual Integrations
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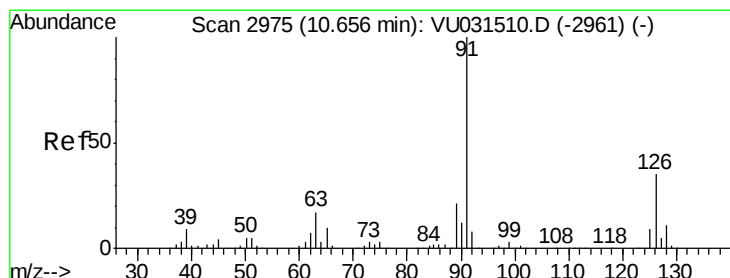
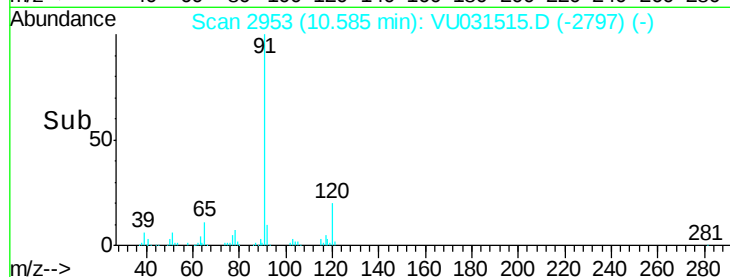
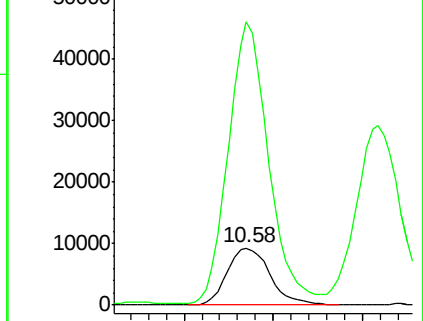
MMdadoda

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.844 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU031515.D

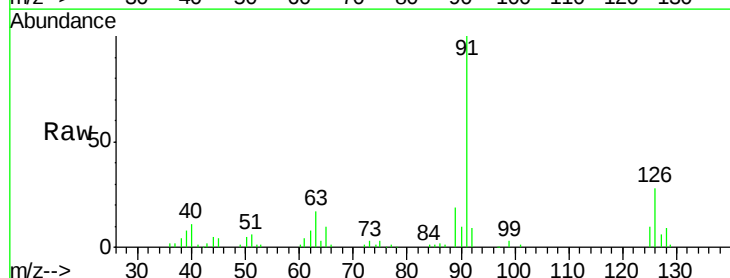
Acq: 26 Apr 2019 00:44

Tgt Ion:126 Resp: 14918

Ion Ratio Lower Upper

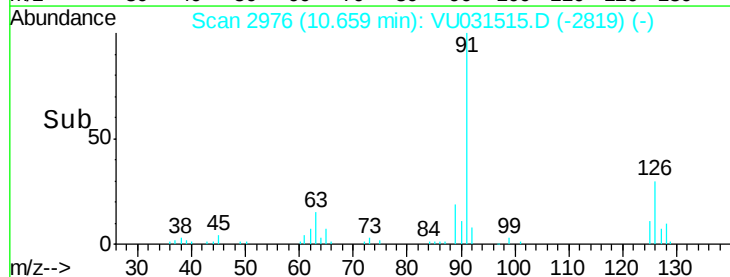
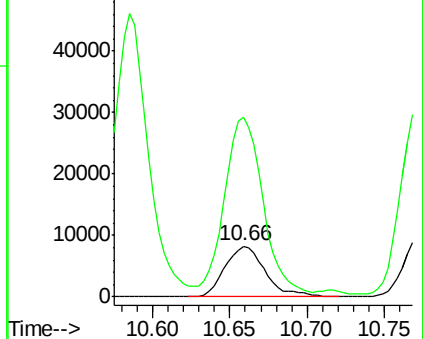
126 100

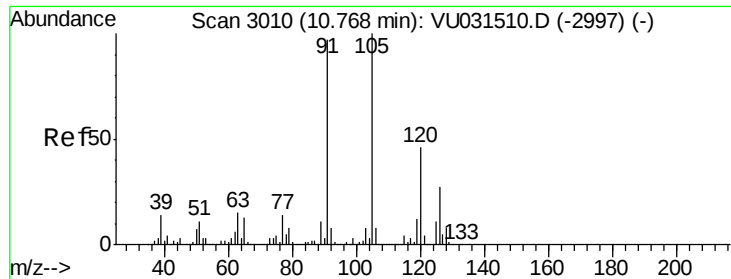
91 325.1 0.0 659.6



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: 0.897 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:105 Resp: 48649

Ion Ratio Lower Upper

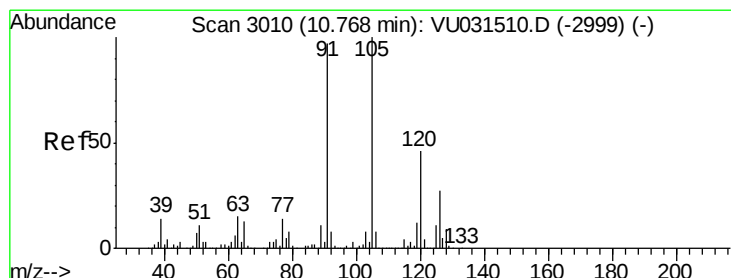
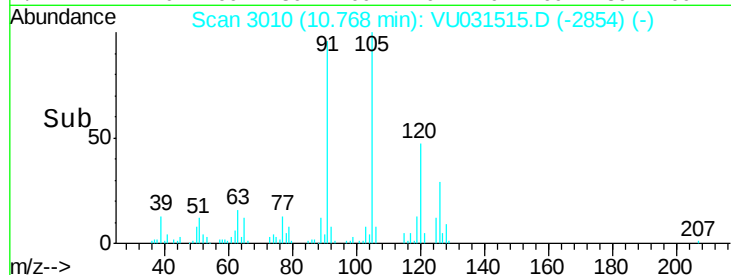
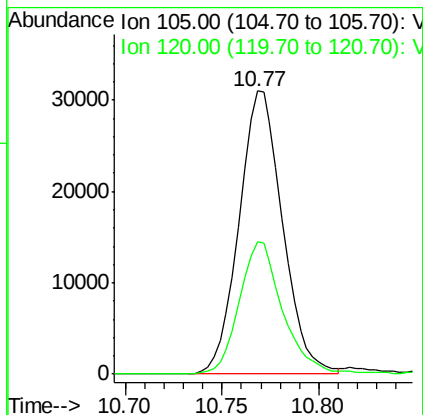
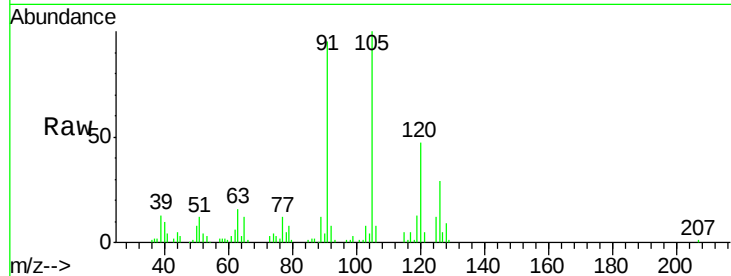
105 100

120 46.8 36.8 55.2

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#76

4-Chlorotoluene

Concen: 0.915 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU031515.D

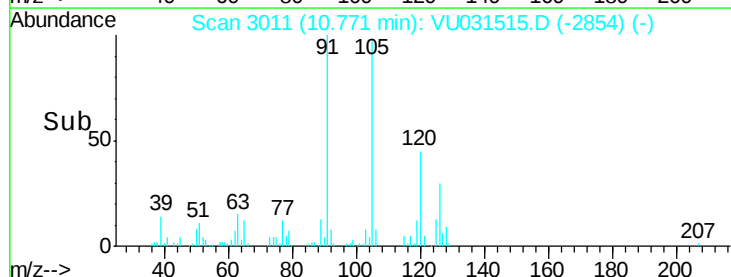
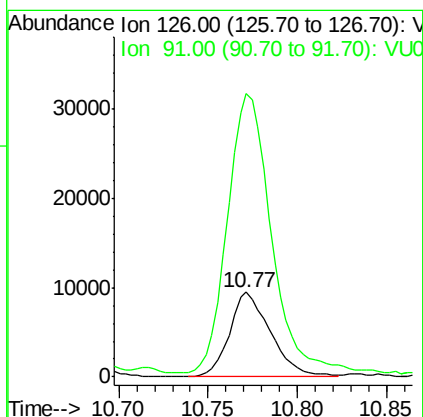
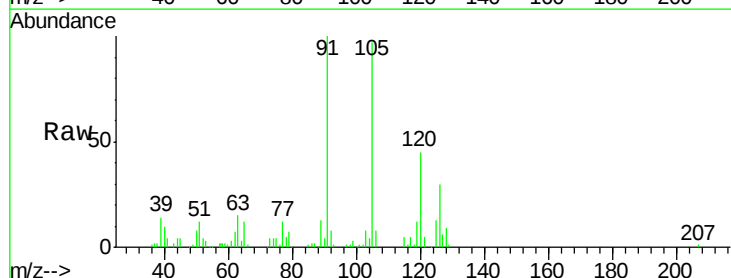
Acq: 26 Apr 2019 00:44

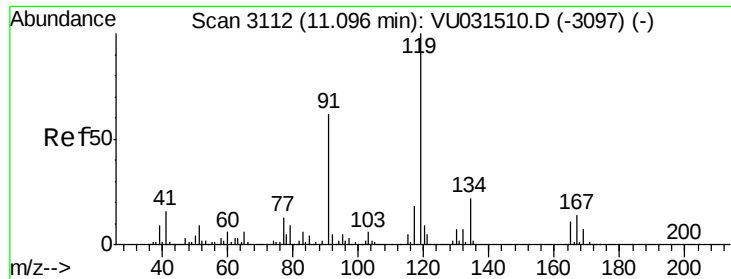
Tgt Ion:126 Resp: 15131

Ion Ratio Lower Upper

126 100

91 353.7 0.0 732.0





#77

tert-Butylbenzene

Concen: 0.848 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

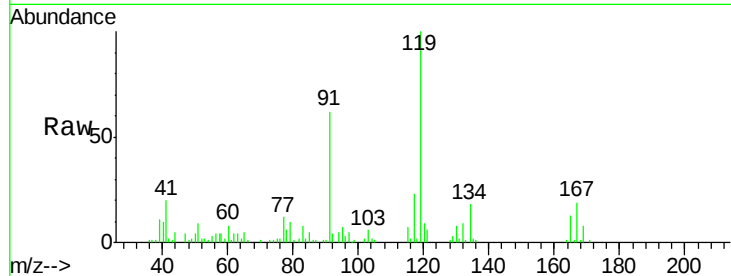
ClientSampleId :

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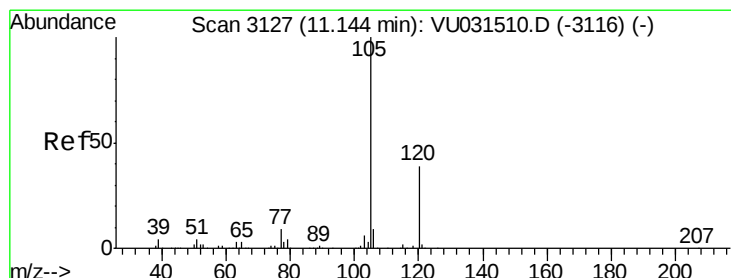
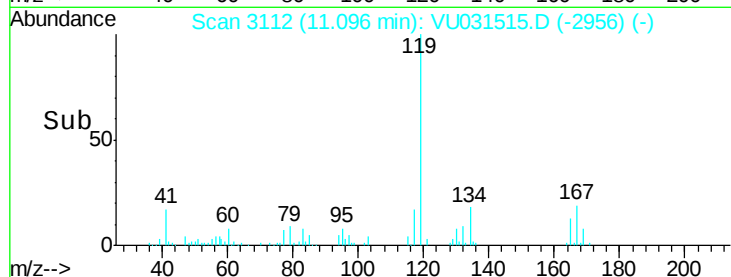
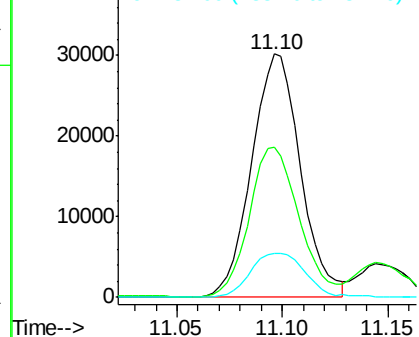
Tot Ion:	119	Resp:	48592
Ion Ratio	Lower	Upper	
119	100		
91	62.7	31.4	94.2
134	20.3	17.4	26.2

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



#78

1,2,4-Trimethylbenzene

Concen: 0.877 ug/l

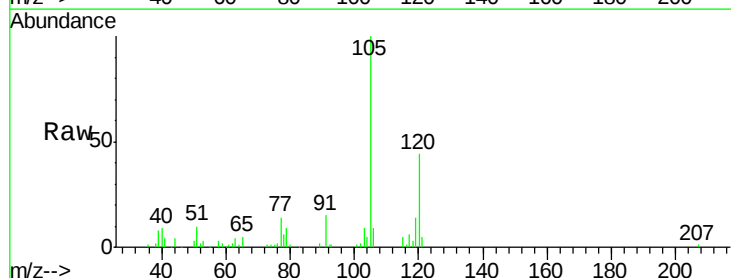
RT: 11.15 min Scan# 3128

Delta R.T. 0.00 min

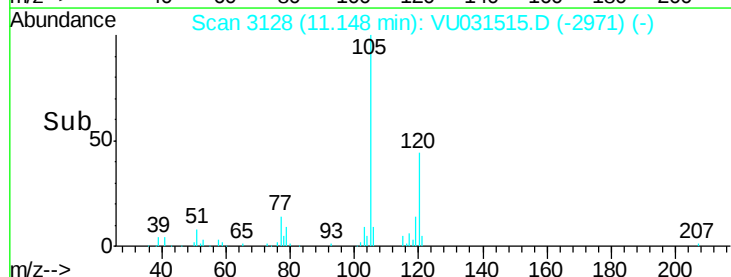
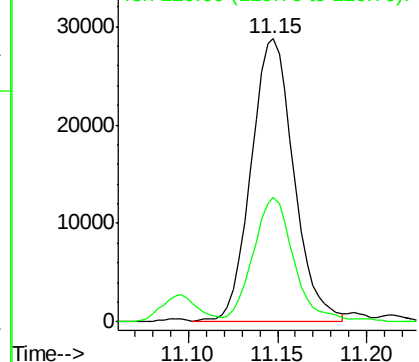
Lab File: VU031515.D

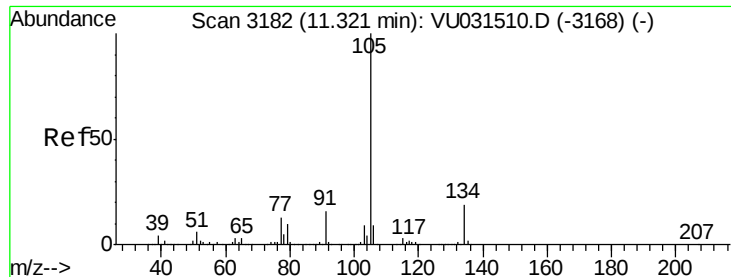
Acq: 26 Apr 2019 00:44

Tgt Ion:	105	Resp:	47677
Ion Ratio	Lower	Upper	
105	100		
120	42.8	21.6	65.0



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





#79

sec-Butylbenzene

Concen: 0.841 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:105 Resp: 65738

Ion Ratio Lower Upper

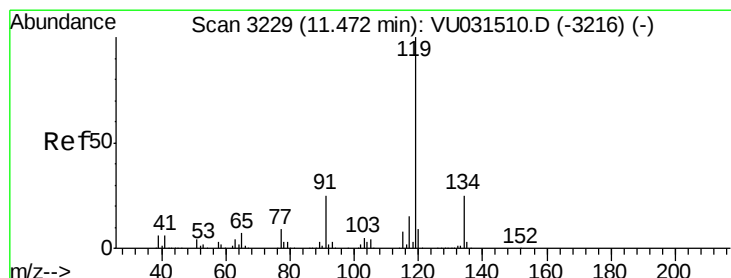
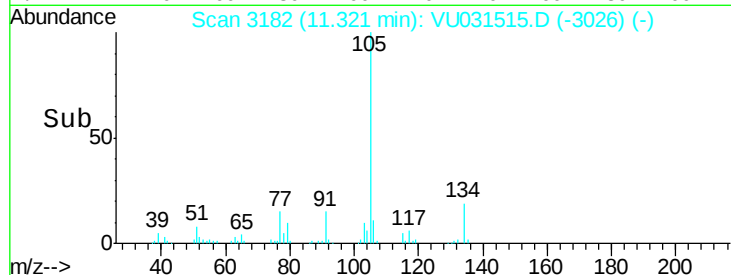
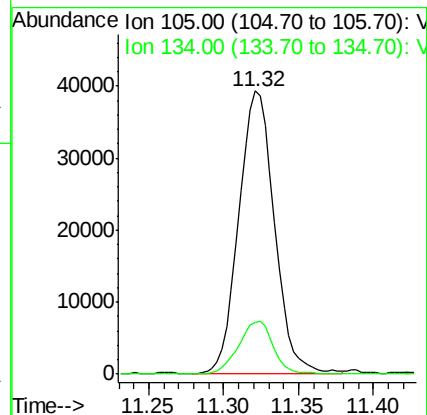
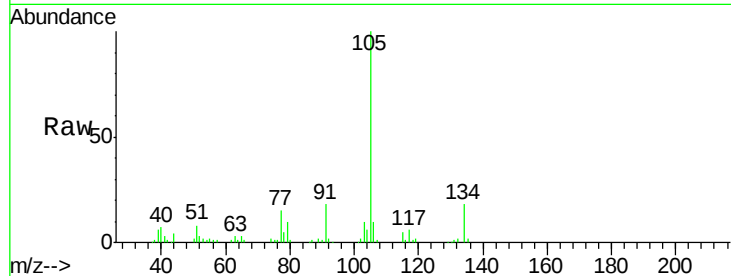
105 100

134 18.2 15.0 22.6

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#81

p-Isopropyltoluene

Concen: 0.916 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

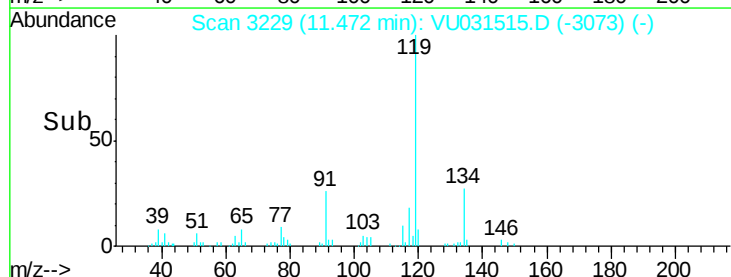
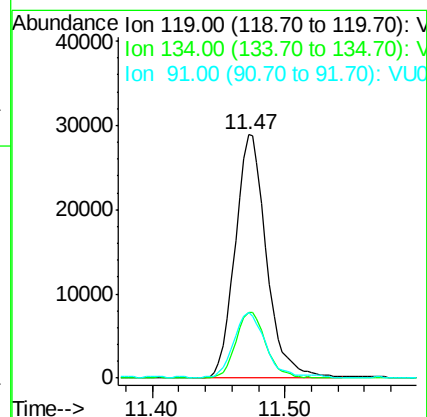
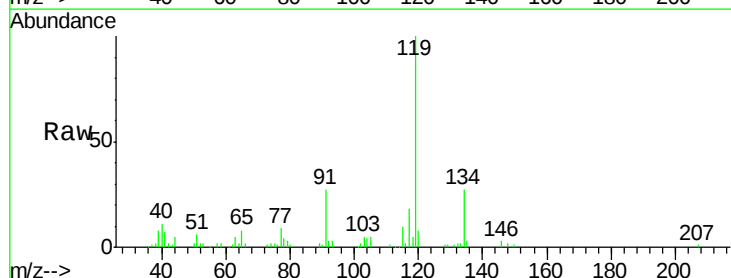
Tgt Ion:119 Resp: 47468

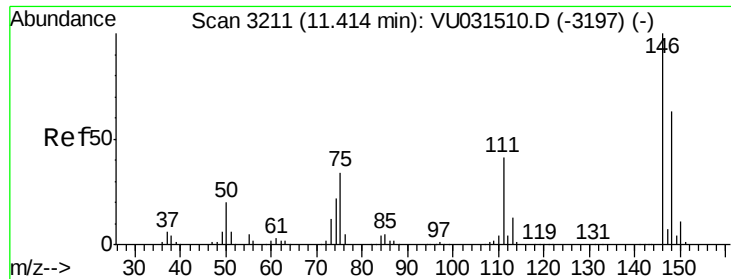
Ion Ratio Lower Upper

119 100

134 26.0 20.3 30.5

91 28.4 20.3 30.5





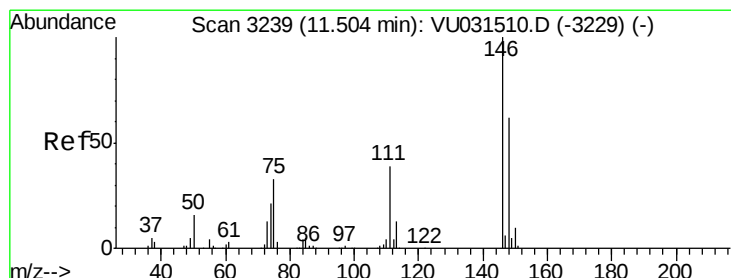
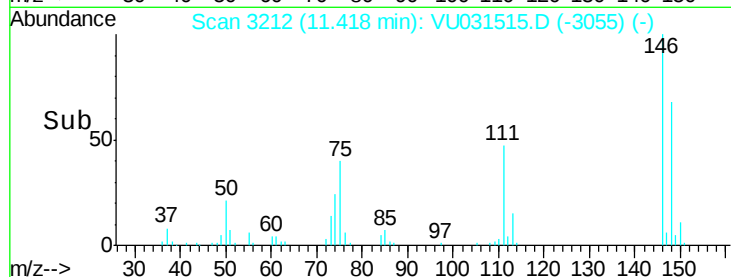
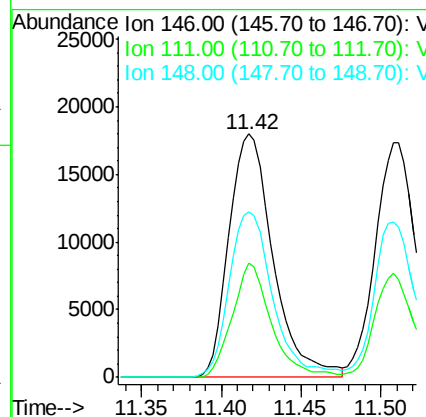
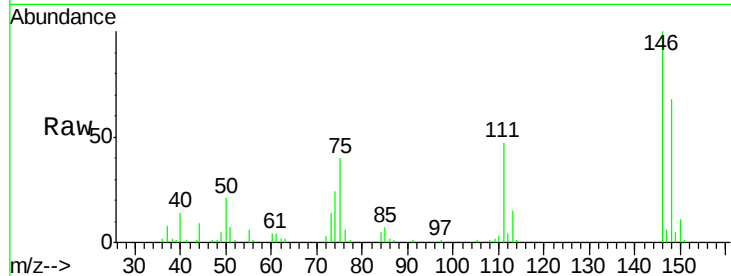
#82
 1,3-Dichlorobenzene
 Concen: 0.945 ug/l
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU031515.D
 Acq: 26 Apr 2019 00:44

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	33.4	50.0
148	67.2	50.2	75.4

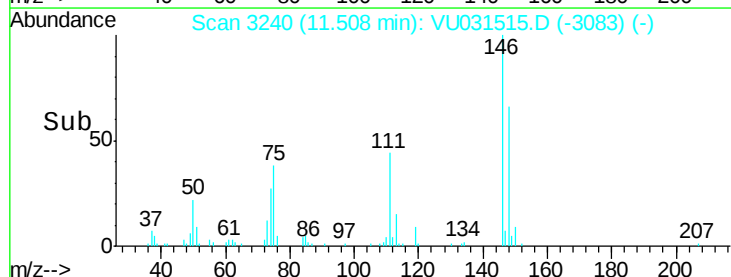
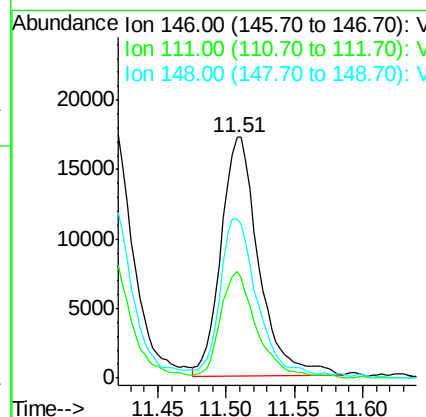
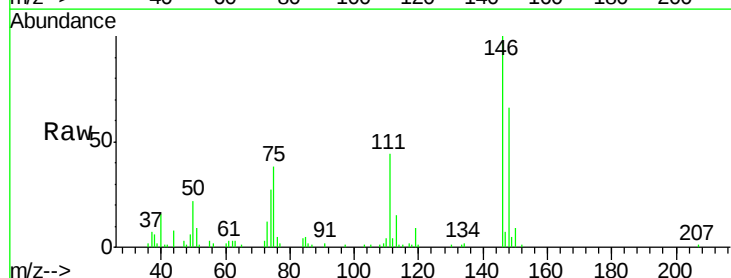
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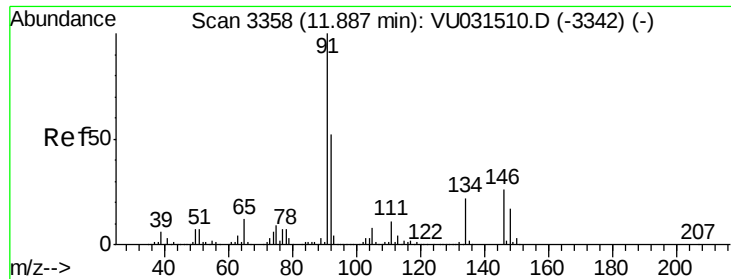
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#83
 1,4-Dichlorobenzene
 Concen: 0.955 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU031515.D
 Acq: 26 Apr 2019 00:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	32.2	48.4
148	62.6	51.2	76.8





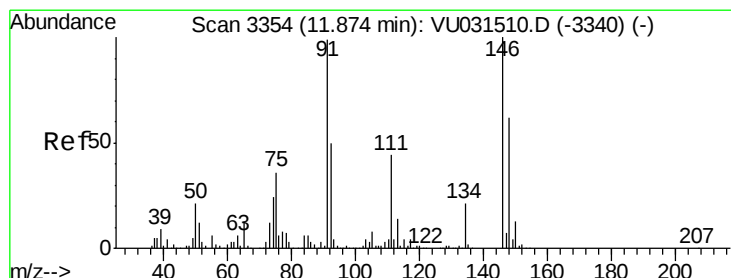
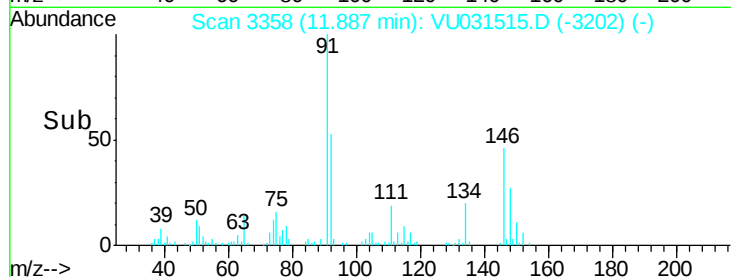
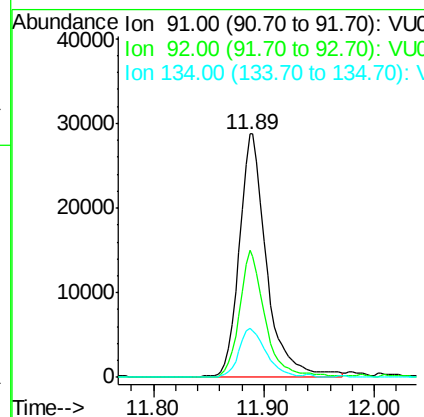
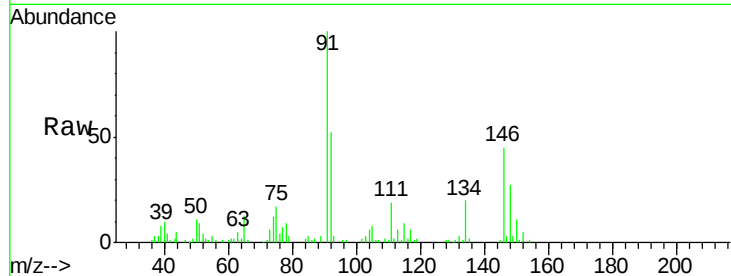
#84
n-Butylbenzene
Concen: 1.026 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.6	41.2	61.8
134	20.0	18.1	27.1

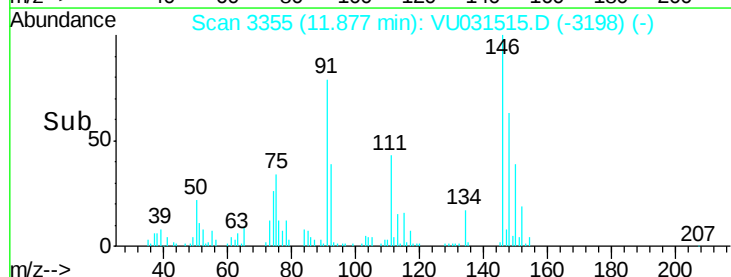
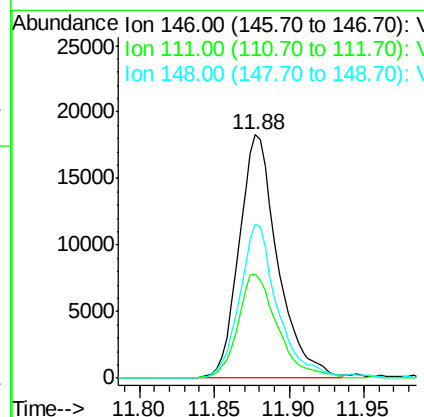
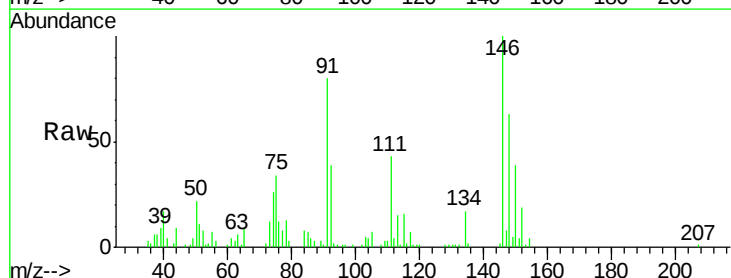
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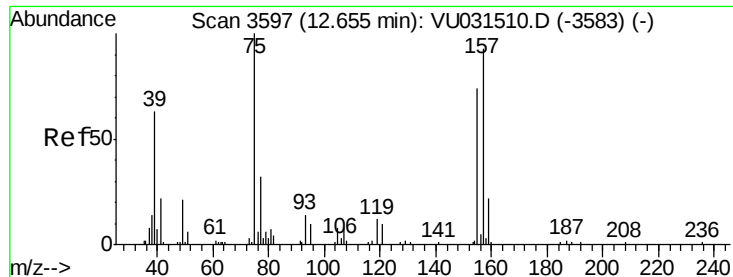
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#85
1,2-Dichlorobenzene
Concen: 0.962 ug/l
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU031515.D
Acq: 26 Apr 2019 00:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.7	65.1
148	61.8	31.6	94.7





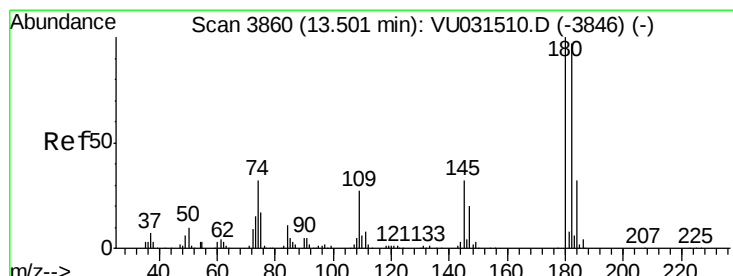
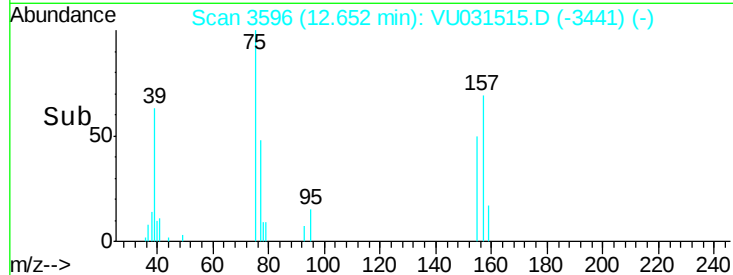
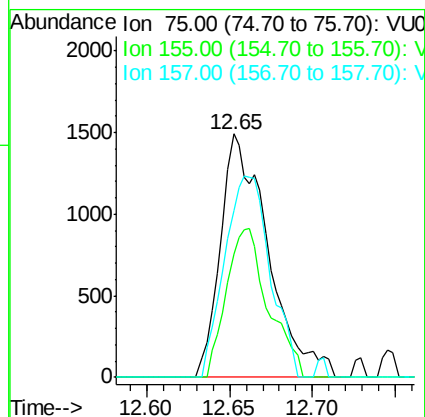
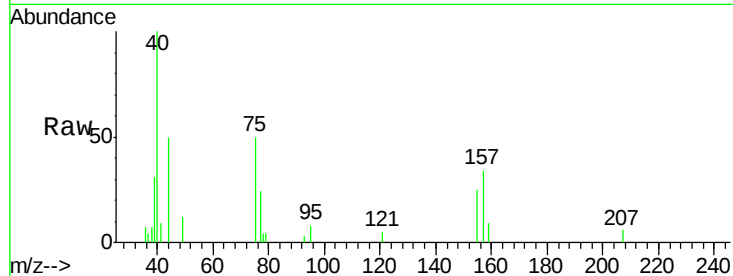
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.050 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU031515.D
 Acq: 26 Apr 2019 00:44

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion: 75 Resp: 2972
 Ion Ratio Lower Upper
 75 100
 155 53.6 58.5 87.7#
 157 79.2 75.0 112.4

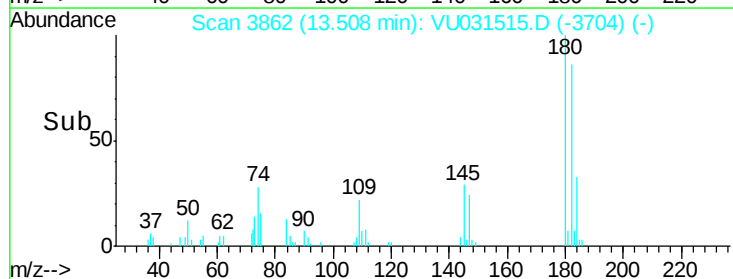
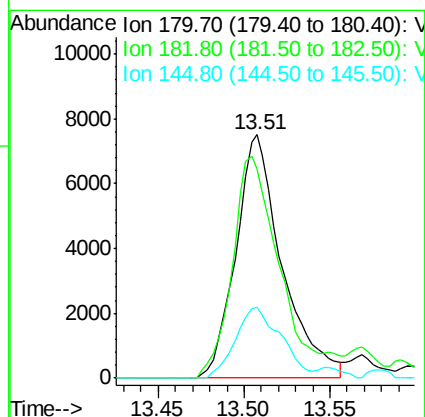
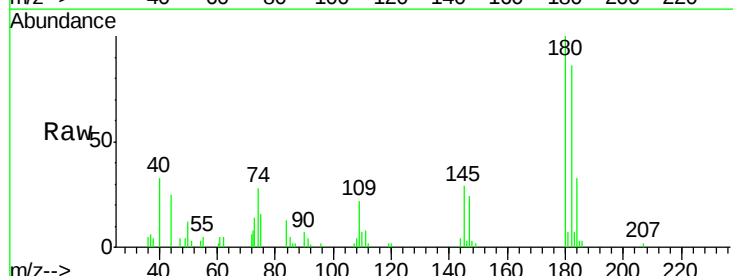
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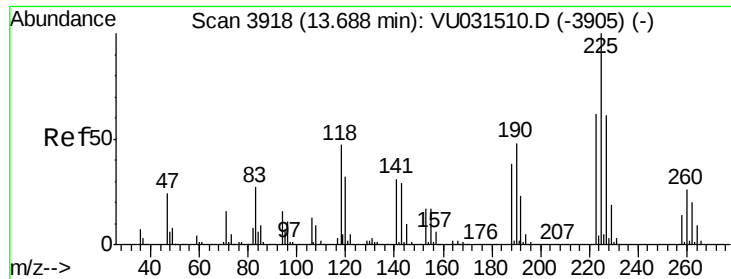
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#87
 1,2,4-Trichlorobenzene
 Concen: 1.029 ug/l
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU031515.D
 Acq: 26 Apr 2019 00:44

Tgt Ion: 180 Resp: 13996
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.5 113.3
 145 28.6 23.9 35.9





#88

Hexachlorobutadiene

Concen: 0.930 ug/l

RT: 13.69 min Scan# 3918

Delta R.T. 0.00 min

Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Instrument :

MSVOA_U

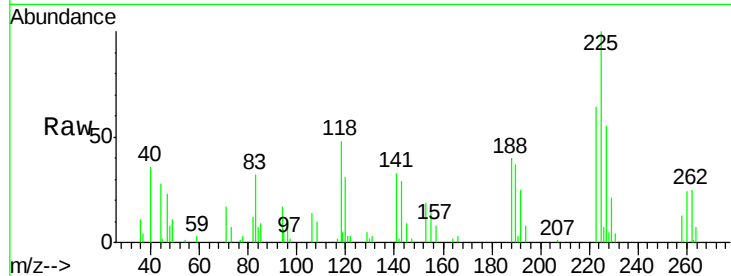
ClientSampleId :

LOQ-WATER-02-QT2-2019

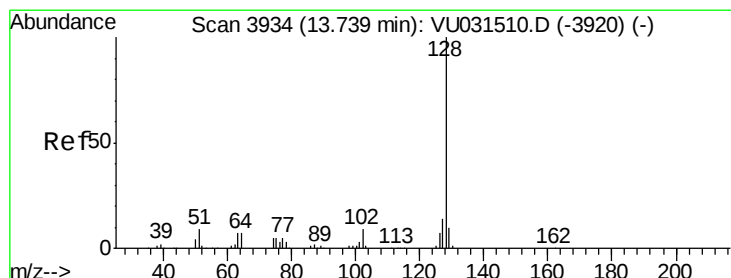
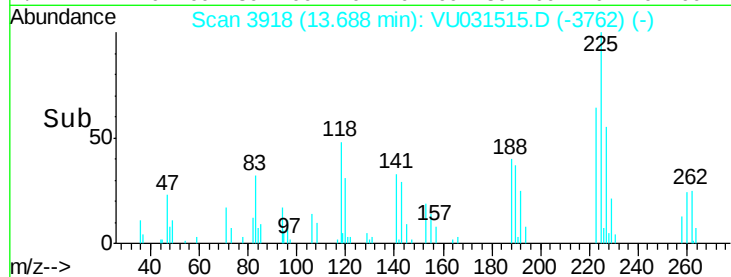
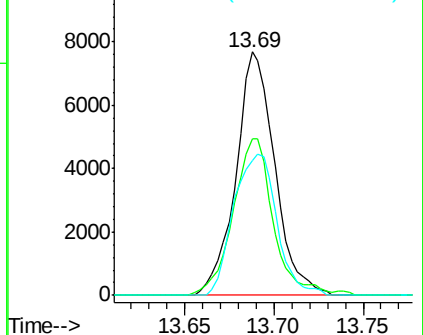
Tot Ion:	225	Resp:	11671
Ion Ratio		Lower	Upper
225	100		
223	66.1	50.2	75.4
227	64.2	50.4	75.6

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



#89

Naphthalene

Concen: 1.179 ug/l

RT: 13.75 min Scan# 3938

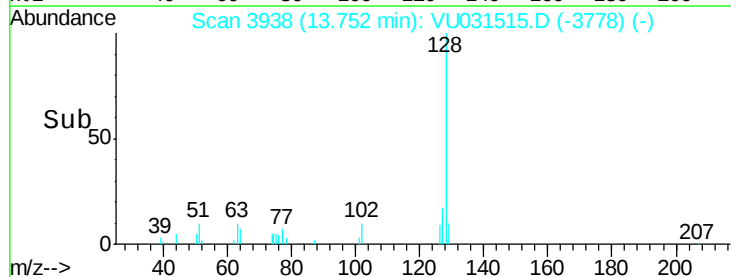
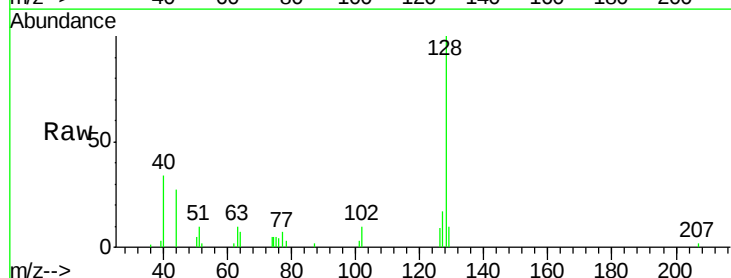
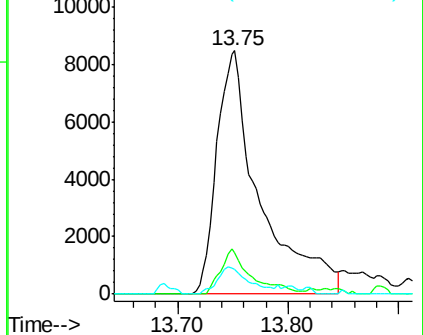
Delta R.T. 0.01 min

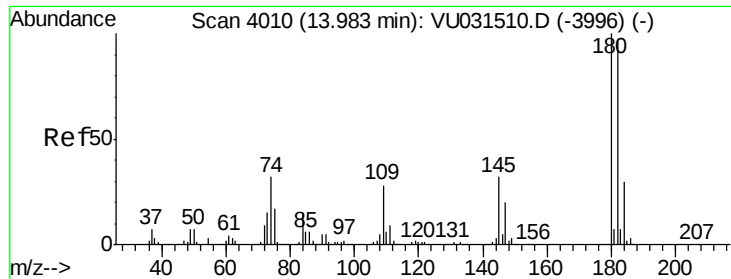
Lab File: VU031515.D

Acq: 26 Apr 2019 00:44

Tgt Ion:	128	Resp:	22931
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.8	16.2
129	7.8	8.2	12.2#

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





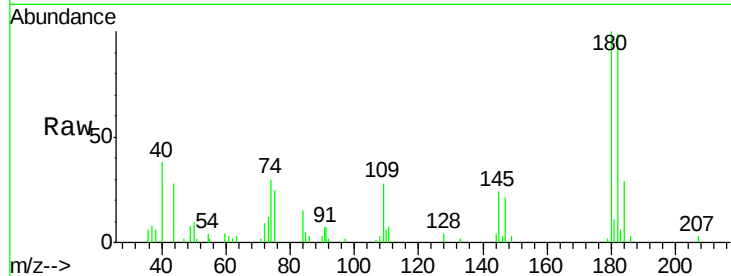
#90
 1,2,3-Trichlorobenzene
 Concen: 0.828 ug/l
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU031515.D
 Acq: 26 Apr 2019 00:44

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.7	77.1	115.7
145	30.4	25.9	38.9

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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

