

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055050.D
 Acq On : 15 Apr 2019 18:41
 Operator : JC/SP
 Sample : K2241-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 4/17/2019 2:06:12 PM

Quant Time: Apr 17 14:00:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 13:52:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	374842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	625180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	540225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	172415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	257334	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
35) Dibromofluoromethane	7.59	113	203105	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	10.09	98	745873	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	225510	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	8904	2.090	ug/l	99
3) Chloromethane	2.06	50	12946	2.330	ug/l	96
4) Vinyl Chloride	2.19	62	10378	2.222	ug/l	100
5) Bromomethane	2.54	94	7010	2.653	ug/l	89
6) Chloroethane	2.69	64	5731	2.276	ug/l	100
7) Trichlorofluoromethane	3.01	101	12589	2.155	ug/l	98
8) Diethyl Ether	3.41	74	4637	2.487	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	7452	2.438	ug/l	95
10) Methyl Iodide	3.94	142	43064	9.079	ug/l	99
11) Tert butyl alcohol	4.83	59	13142	48.119	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	6347	2.133	ug/l	84
13) Acrolein	3.60	56	18973	56.203	ug/l	100
14) Allyl chloride	4.31	41	14285	1.962	ug/l #	75
15) Acrylonitrile	4.99	53	16084	9.843	ug/l #	84
16) Acetone	3.81	43	15102	11.167	ug/l	96
17) Carbon Disulfide	4.03	76	19316	2.011	ug/l #	95
18) Methyl Acetate	4.33	43	11241	2.590	ug/l	98
19) Methyl tert-butyl Ether	5.06	73	22976m	2.159	ug/l	
20) Methylene Chloride	4.55	84	11881	2.499	ug/l	94
21) trans-1,2-Dichloroethene	5.03	96	9092	2.260	ug/l	97
22) Diisopropyl ether	5.95	45	32402	2.164	ug/l #	91
23) Vinyl Acetate	5.90	43	96446	9.747	ug/l	99
24) 1,1-Dichloroethane	5.85	63	17426	2.186	ug/l	98
25) 2-Butanone	6.85	43	19521	9.672	ug/l	100
26) 2,2-Dichloropropane	6.82	77	10612	2.109	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	10385	2.281	ug/l	93
28) Bromochloromethane	7.19	49	8923	2.322	ug/l	96
29) Tetrahydrofuran	7.22	42	14684	11.094	ug/l	98
30) Chloroform	7.37	83	17107	2.209	ug/l	99
31) Cyclohexane	7.66	56	23826	2.746	ug/l #	52
32) 1,1,1-Trichloroethane	7.57	97	12968	2.114	ug/l	98
36) 1,1-Dichloropropene	7.79	75	11914	2.022	ug/l	99
37) Ethyl Acetate	6.94	43	8220m	1.713	ug/l	
38) Carbon Tetrachloride	7.77	117	11496	2.050	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	12860	2.014	ug/l	98
40) Benzene	8.04	78	37361	2.103	ug/l	97
41) Methacrylonitrile	7.18	41	4537	1.703	ug/l #	80
42) 1,2-Dichloroethane	8.13	62	13426	2.177	ug/l	99
43) Isopropyl Acetate	8.17	43	14586	1.973	ug/l #	94
44) Trichloroethene	8.83	130	8950	2.012	ug/l	92
45) 1,2-Dichloropropane	9.12	63	10772	2.175	ug/l	97
46) Dibromomethane	9.21	93	5847	2.074	ug/l	97
47) Bromodichloromethane	9.40	83	11430	1.966	ug/l	97
48) Methyl methacrylate	9.20	41	7224	1.971	ug/l #	89
49) 1,4-Dioxane	9.20	88	1429m	41.624	ug/l	
51) 4-Methyl-2-Pentanone	9.99	43	41901	9.810	ug/l	98
52) Toluene	10.16	92	22268	2.189	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	9402	1.851	ug/l	90
54) cis-1,3-Dichloropropene	9.84	75	11677	1.852	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	7996	2.040	ug/l	97
56) Ethyl methacrylate	10.43	69	9570	2.035	ug/l	96
57) 1,3-Dichloropropane	10.71	76	13511	2.025	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	15662	9.023	ug/l	96
59) 2-Hexanone	10.75	43	26106	9.731	ug/l	92
60) Dibromochloromethane	10.90	129	6813	1.780	ug/l	100
61) 1,2-Dibromoethane	11.01	107	7311	2.027	ug/l	99
64) Tetrachloroethene	10.63	164	9053	2.061	ug/l	95
65) Chlorobenzene	11.43	112	22556	2.074	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	8055	2.014	ug/l	88
67) Ethyl Benzene	11.51	91	38663	1.991	ug/l	99
68) m/p-Xylenes	11.62	106	29746	4.230	ug/l	93
69) o-Xylene	11.95	106	14539	2.135	ug/l	99
70) Styrene	11.96	104	20729	1.880	ug/l	95
71) Bromoform	12.13	173	3959	1.727	ug/l #	97
73) Isopropylbenzene	12.25	105	37046	2.421	ug/l	100
74) N-amyl acetate	12.07	43	9940	2.308	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	8980	2.194	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	7761m	2.503	ug/l	
77) Bromobenzene	12.53	156	8876	2.327	ug/l	96
78) n-propylbenzene	12.59	91	37912	2.294	ug/l	98
79) 2-Chlorotoluene	12.67	91	25481	2.471	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	29317	2.374	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	1436m	1.852	ug/l	
82) 4-Chlorotoluene	12.77	91	22239	2.312	ug/l	99
83) tert-Butylbenzene	12.99	119	25827	2.477	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	25117	2.147	ug/l	97
85) sec-Butylbenzene	13.17	105	30042	2.261	ug/l	95
86) p-Isopropyltoluene	13.29	119	24582	2.157	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	14107	2.433	ug/l	92
88) 1,4-Dichlorobenzene	13.36	146	11775m	2.130	ug/l	
89) n-Butylbenzene	13.62	91	17909	2.116	ug/l	98
90) Hexachloroethane	13.87	117	3959	2.135	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	11733	2.011	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1045	2.073	ug/l	85

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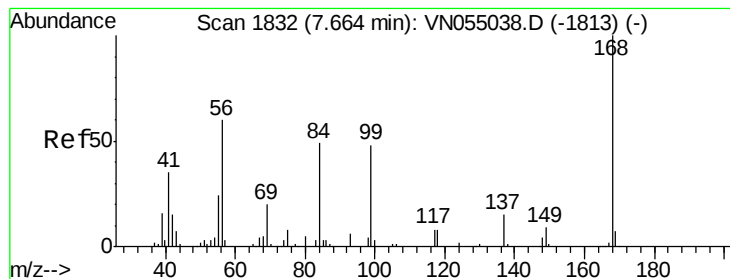
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	4207	1.894	ug/l	87
94) Hexachlorobutadiene	15.01	225	4432	2.460	ug/l	90
95) Naphthalene	15.13	128	8218	1.664	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	4169	1.853	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:168 Resp: 374842

Ion Ratio Lower Upper

168 100

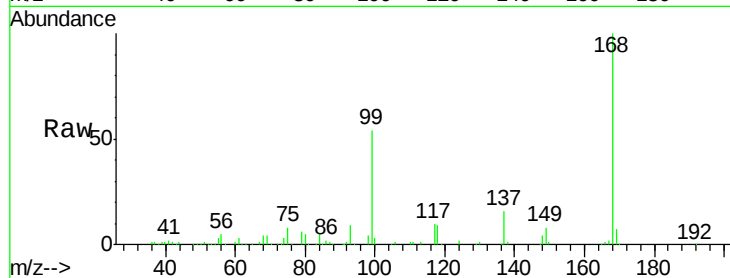
99 53.6 41.9 62.9

Manual Integrations

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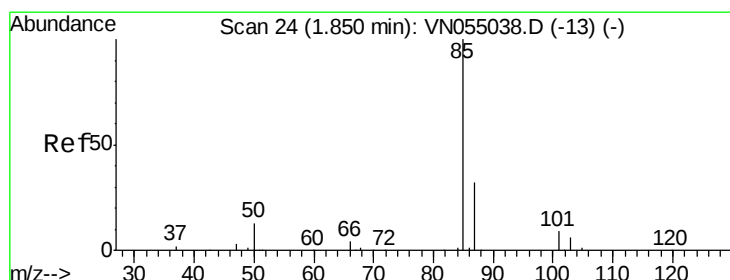
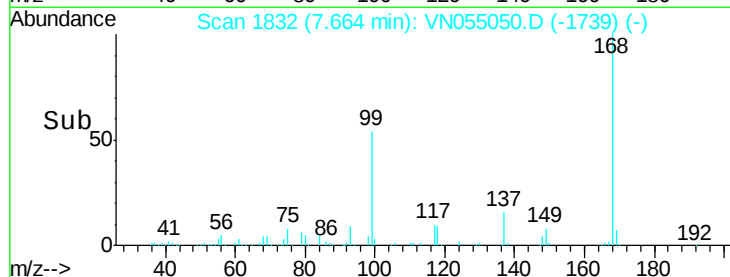
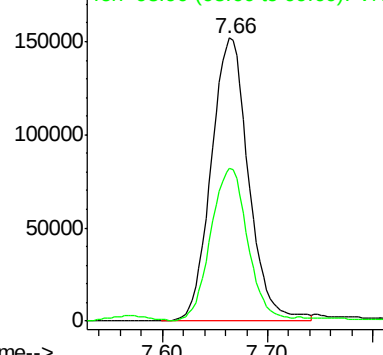
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 2.090 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055050.D

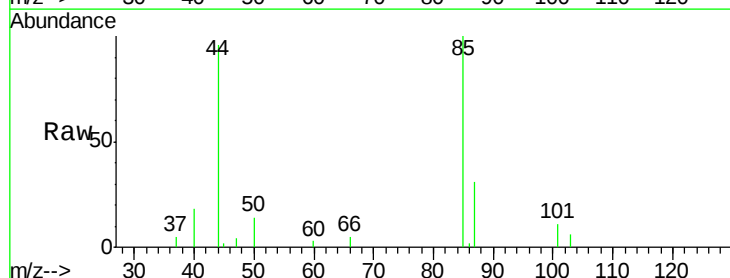
Acq: 15 Apr 2019 18:41

Tgt Ion: 85 Resp: 8904

Ion Ratio Lower Upper

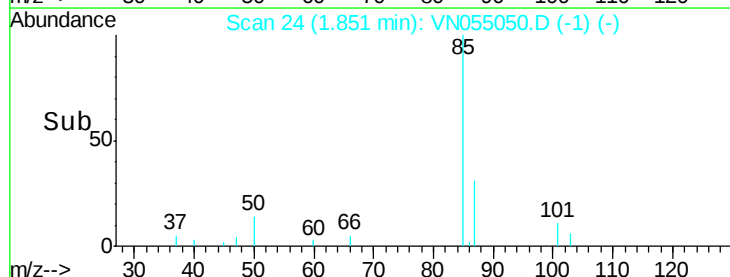
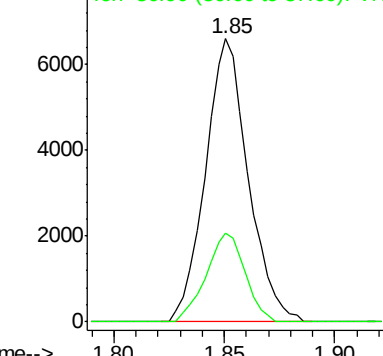
85 100

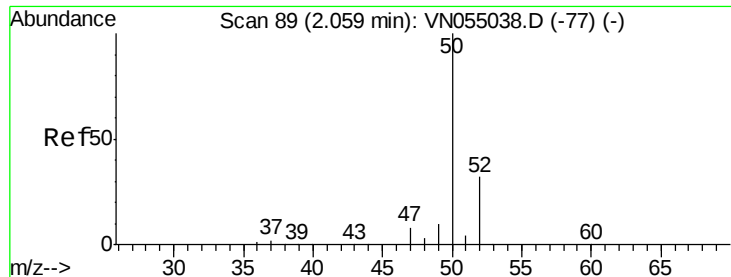
87 31.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 2.330 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 50 Resp: 12946

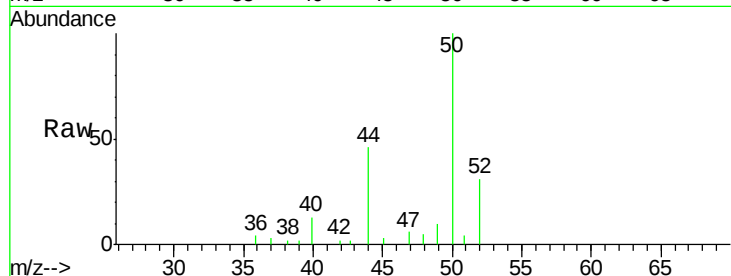
Ion Ratio Lower Upper

50 100

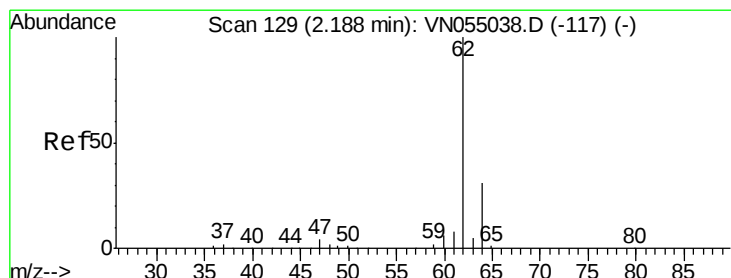
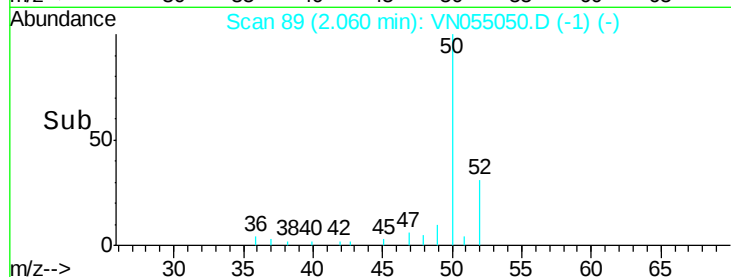
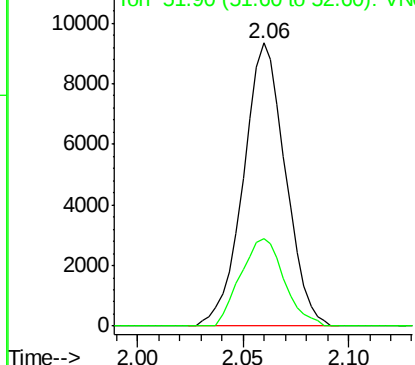
52 31.1 26.6 40.0

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 2.222 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055050.D

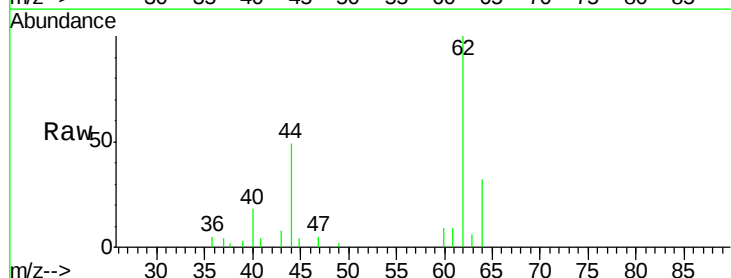
Acq: 15 Apr 2019 18:41

Tgt Ion: 62 Resp: 10378

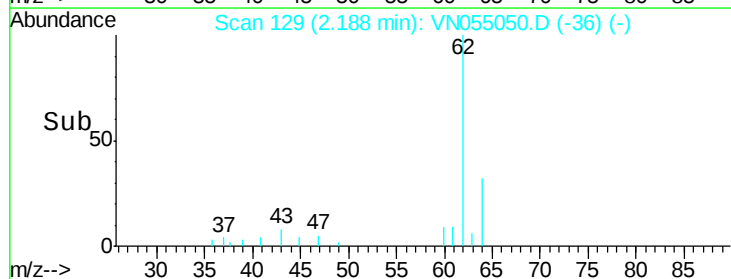
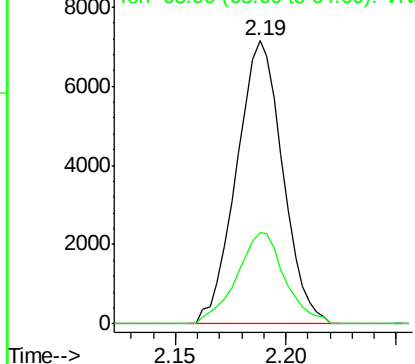
Ion Ratio Lower Upper

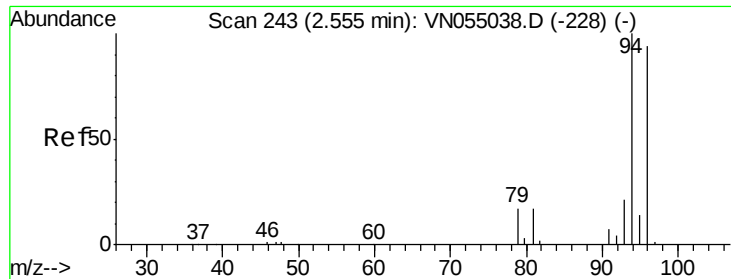
62 100

64 32.1 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 2.653 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 94 Resp: 7010

Ion Ratio Lower Upper

94 100

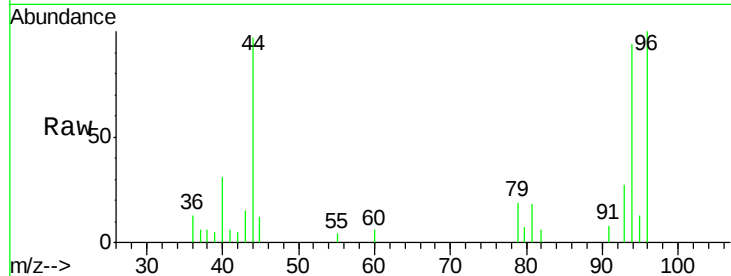
96 106.0 76.2 114.4

Manual Integrations

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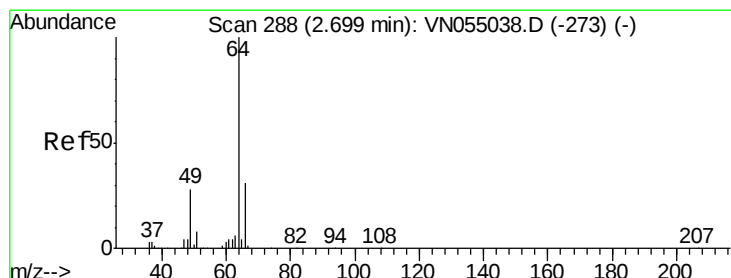
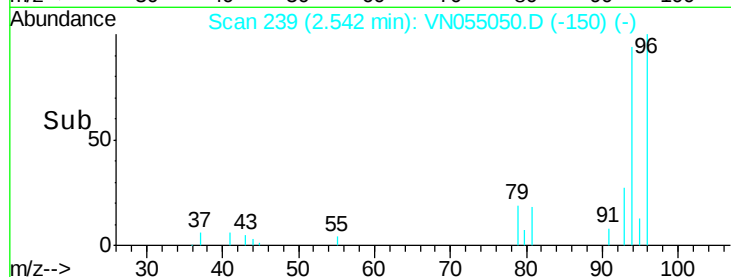
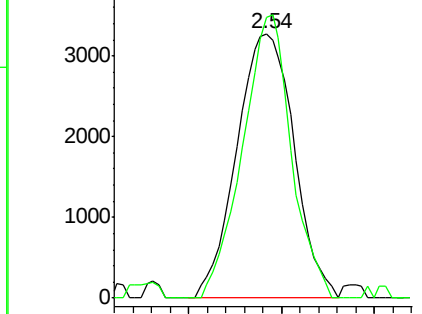
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 2.276 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN055050.D

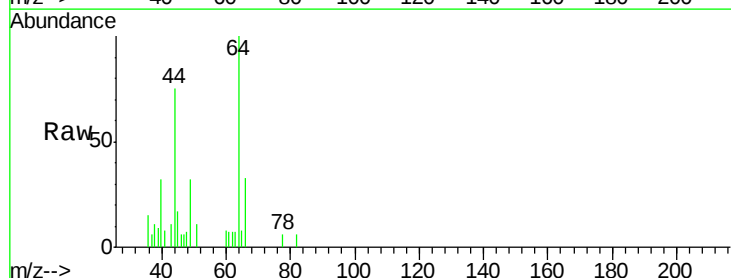
Acq: 15 Apr 2019 18:41

Tgt Ion: 64 Resp: 5731

Ion Ratio Lower Upper

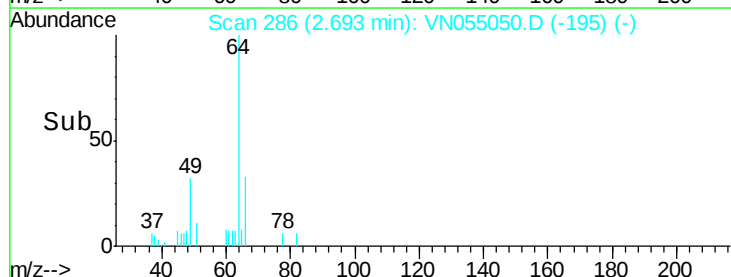
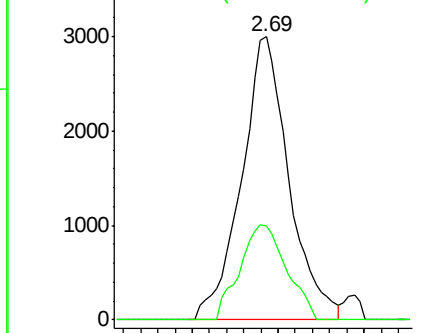
64 100

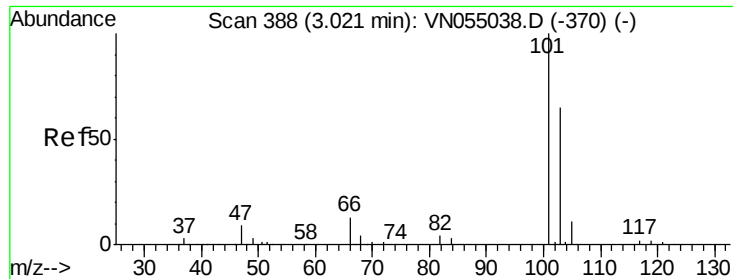
66 33.4 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

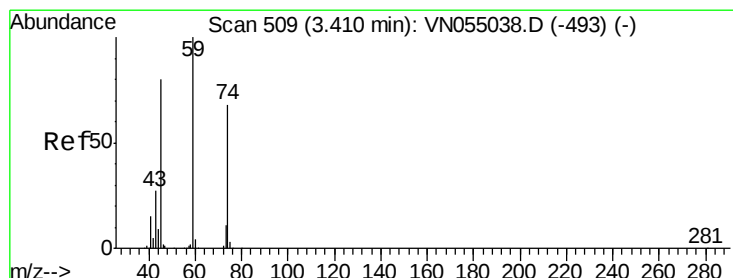
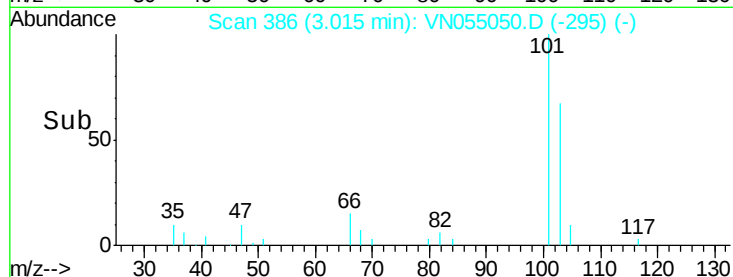
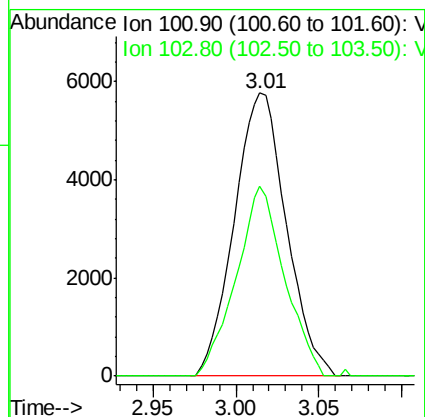
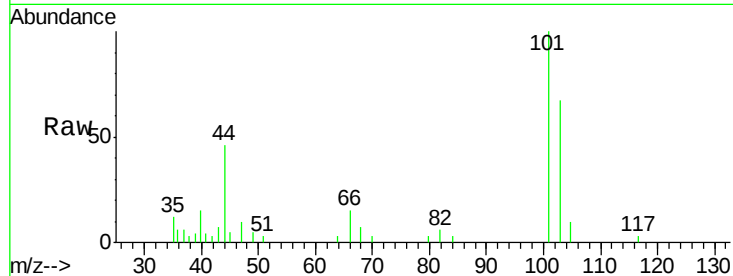
Trichlorofluoromethane
Concen: 2.155 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.01 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Instrument :
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LOQ-WATER-02-QT2-2019

Tot Ion:101 Resp: 12589
Ion Ratio Lower Upper
101 100
103 67.1 52.5 78.7

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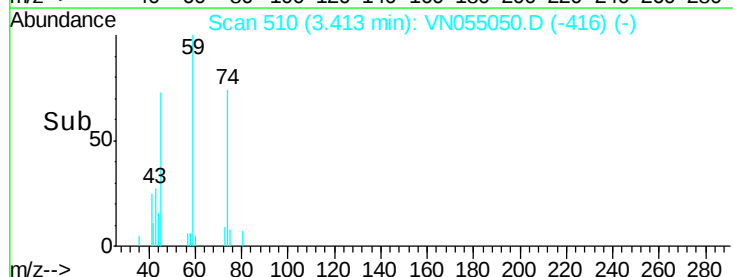
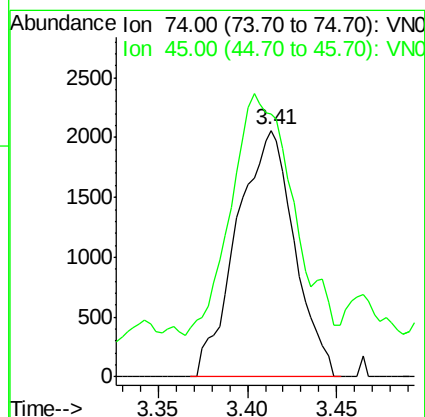
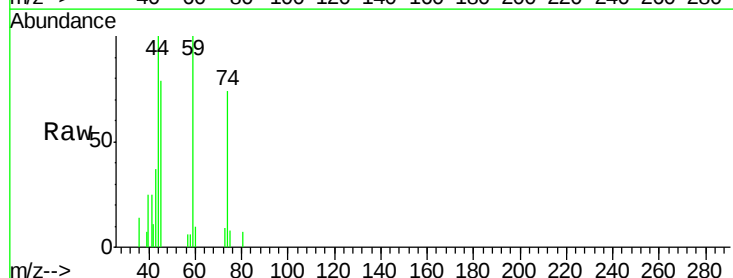
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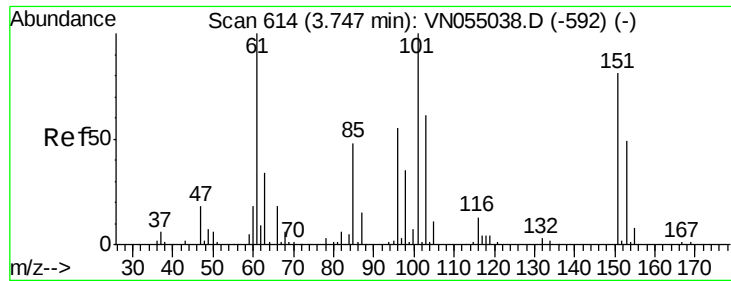


#8

Diethyl Ether
Concen: 2.487 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion: 74 Resp: 4637
Ion Ratio Lower Upper
74 100
45 121.2 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.438 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

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MSVOA_N

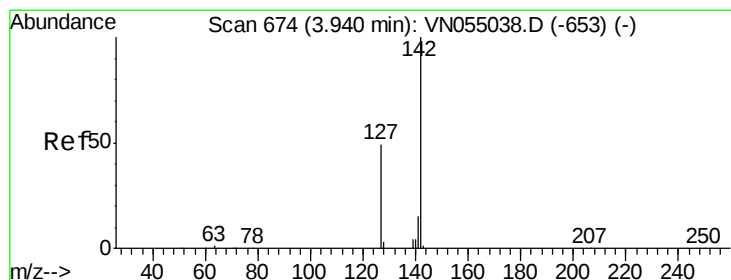
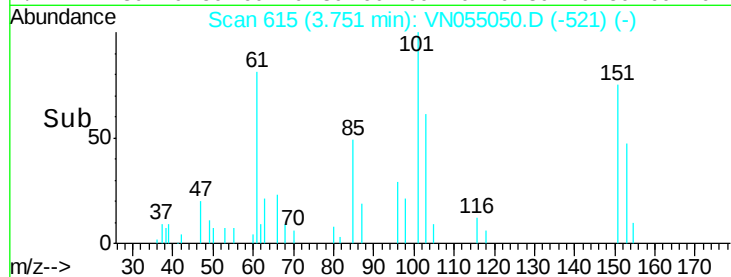
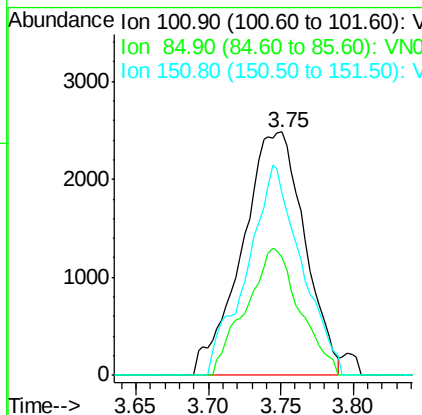
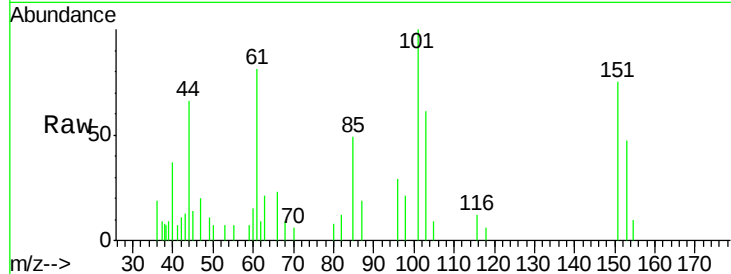
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	101	Resp:	7452
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.9	55.3
151	75.0	64.4	96.6

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#10

Methyl Iodide

Concen: 9.079 ug/l

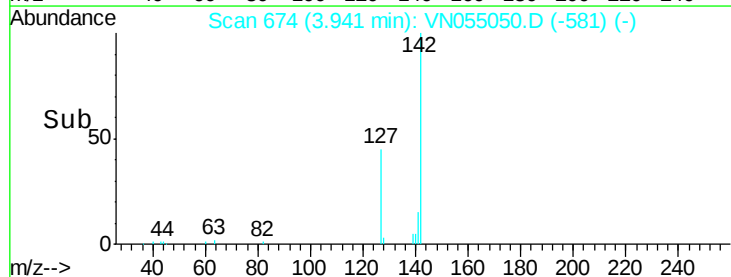
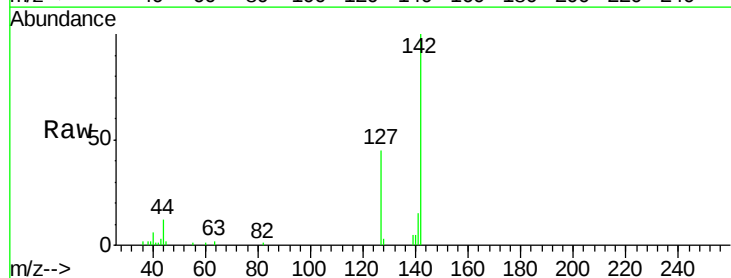
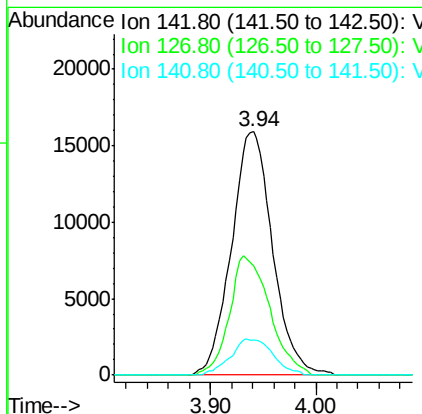
RT: 3.94 min Scan# 674

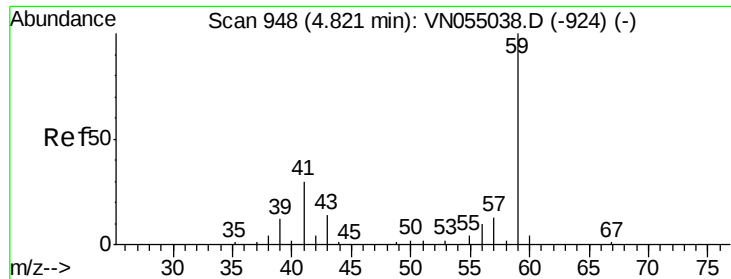
Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Tgt Ion:	142	Resp:	43064
Ion Ratio	Lower	Upper	
142	100		
127	47.8	37.9	56.9
141	15.4	11.8	17.8





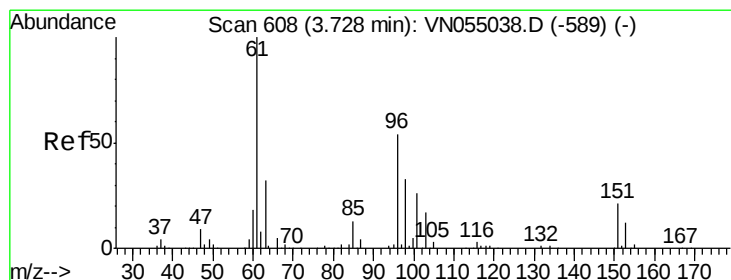
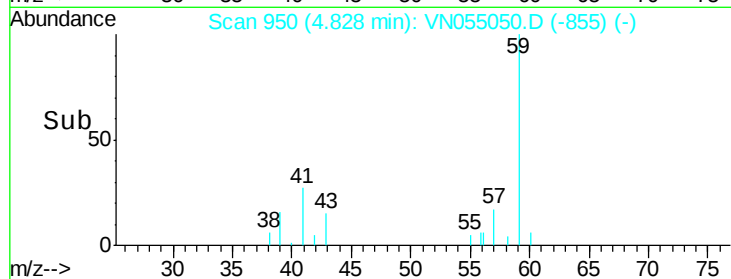
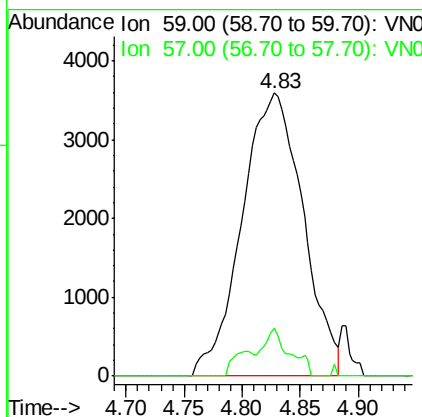
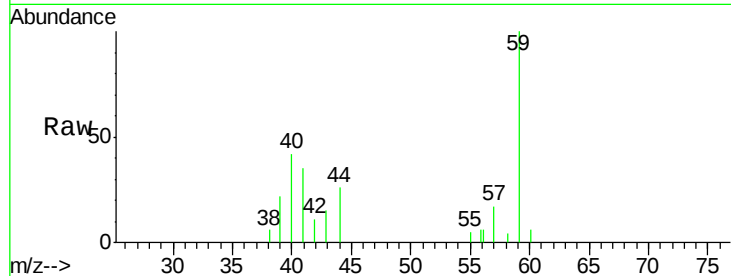
#11
Tert butyl alcohol
Concen: 48.119 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.01 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

Tot Ion: 59 Resp: 13142
Ion Ratio Lower Upper
59 100
57 3.5 8.3 12.5#

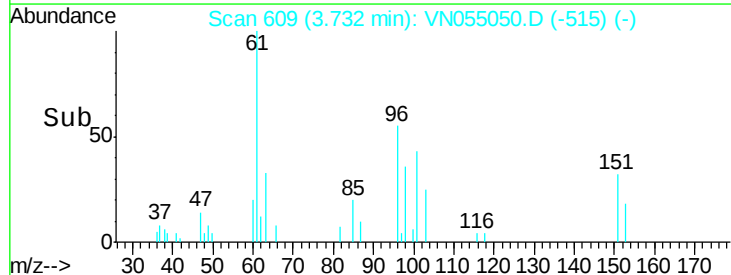
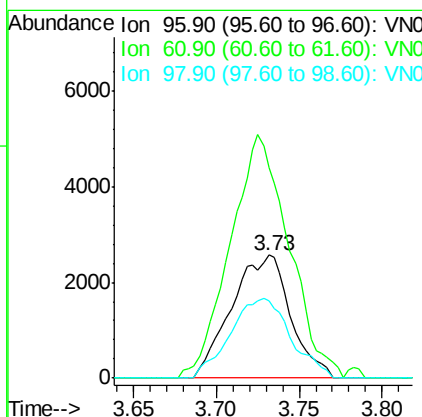
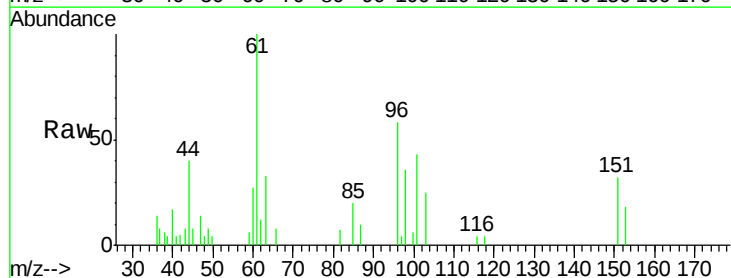
Manual Integrations
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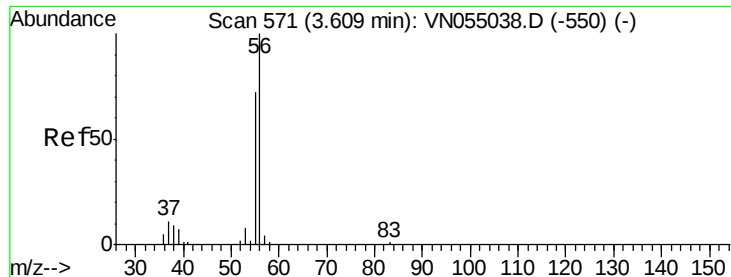
MMDadoda
4/17/2019 2:06:12 PM



#12
1,1-Dichloroethene
Concen: 2.133 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion: 96 Resp: 6347
Ion Ratio Lower Upper
96 100
61 163.7 154.2 231.4
98 62.4 52.9 79.3





#13

Acrolein

Concen: 56.203 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 56 Resp: 18973

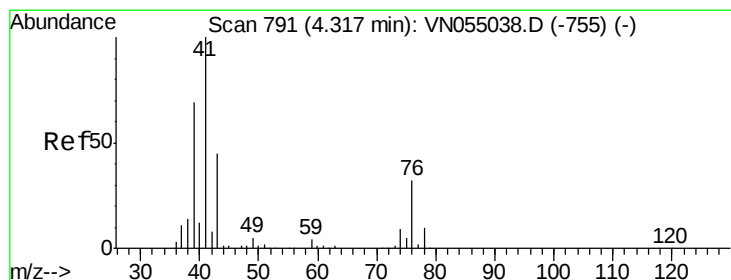
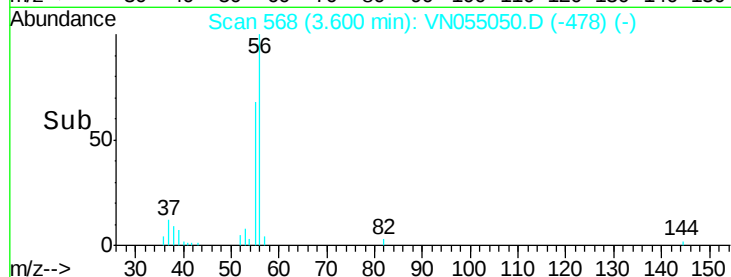
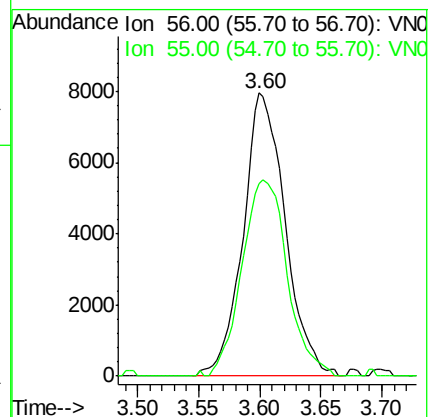
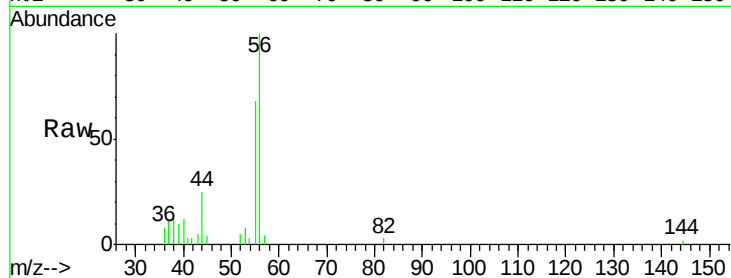
Ion Ratio Lower Upper

56 100

55 74.7 59.5 89.3

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#14

Allyl chloride

Concen: 1.962 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

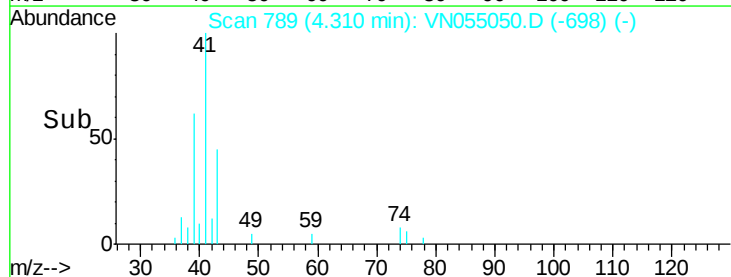
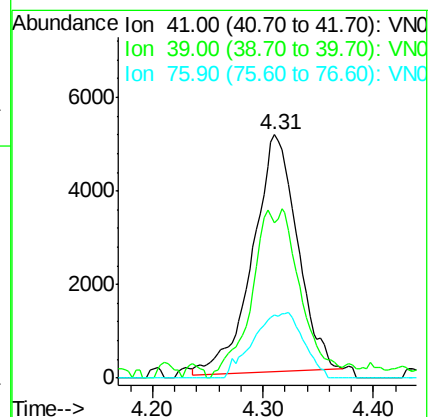
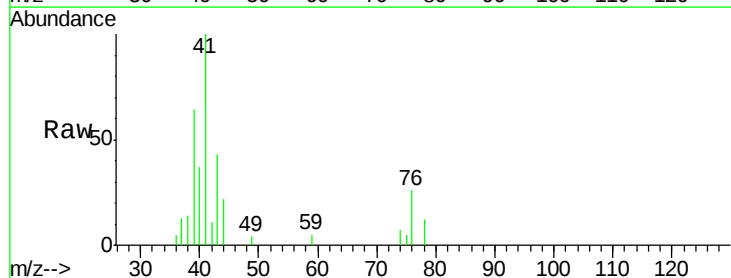
Tgt Ion: 41 Resp: 14285

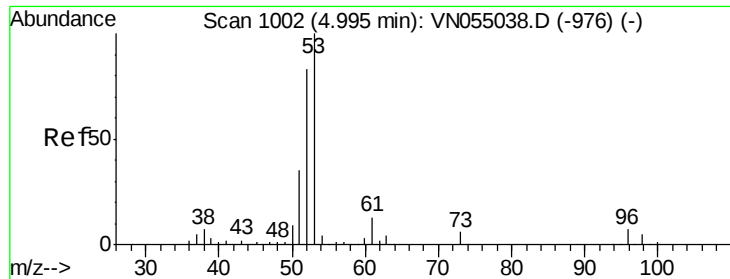
Ion Ratio Lower Upper

41 100

39 38.0 52.7 79.1#

76 30.9 23.2 34.8





#15

Acrylonitrile

Concen: 9.843 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

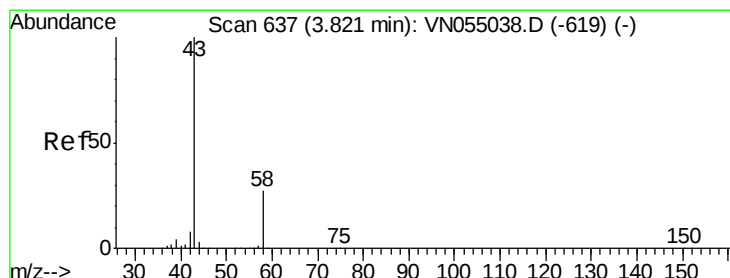
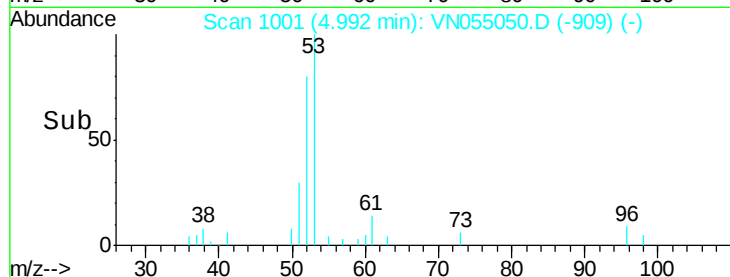
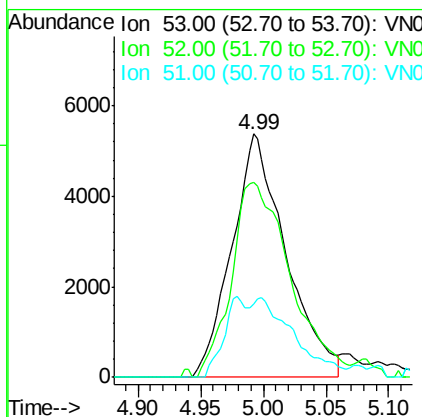
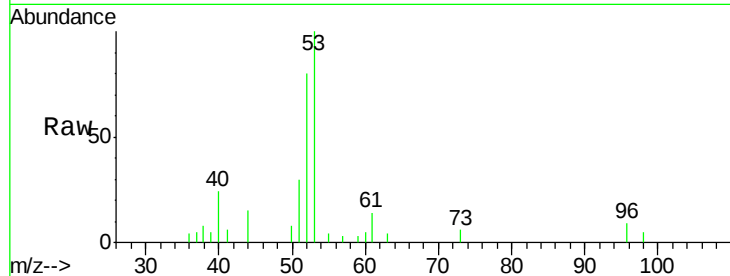
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	53	Resp:	16084
Ion Ratio	Lower	Upper	
53	100		
52	87.7	65.9	98.9
51	14.9	29.7	44.5#

Manual Integrations
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#16

Acetone

Concen: 11.167 ug/l

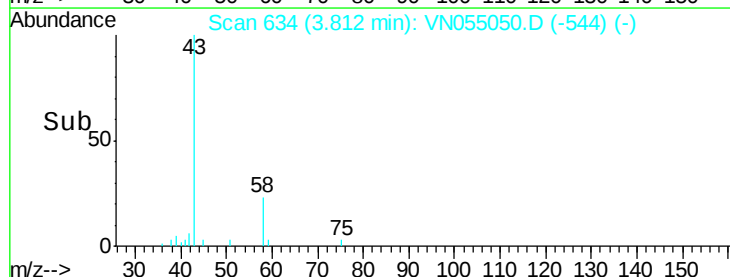
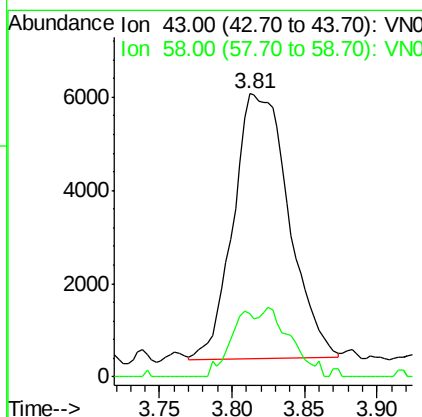
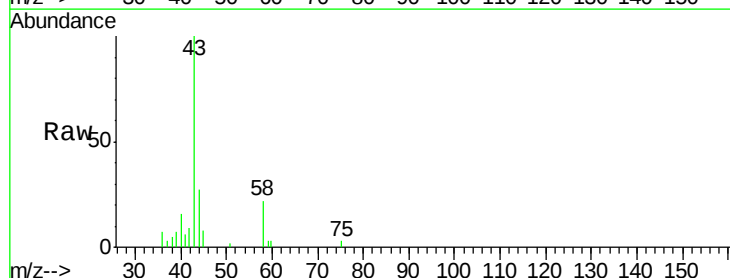
RT: 3.81 min Scan# 634

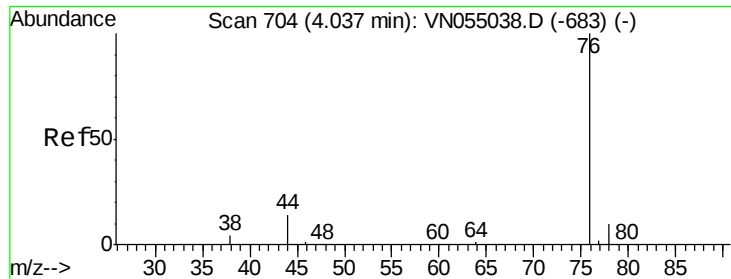
Delta R.T. -0.01 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Tgt Ion:	43	Resp:	15102
Ion Ratio	Lower	Upper	
43	100		
58	24.1	20.9	31.3





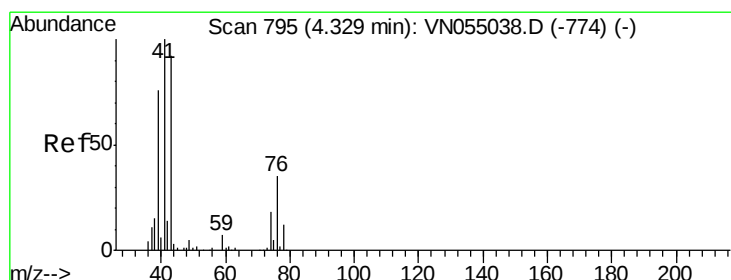
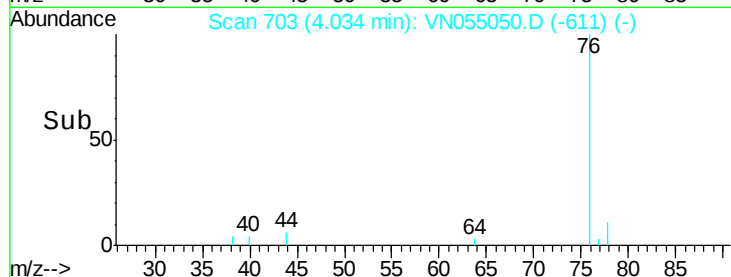
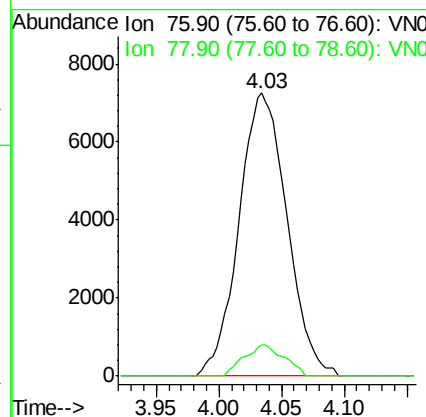
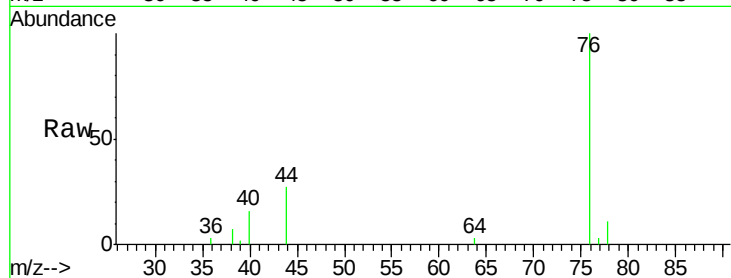
#17
Carbon Disulfide
Concen: 2.011 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

Tot Ion: 76 Resp: 19316
Ion Ratio Lower Upper
76 100
78 10.9 7.2 10.8#

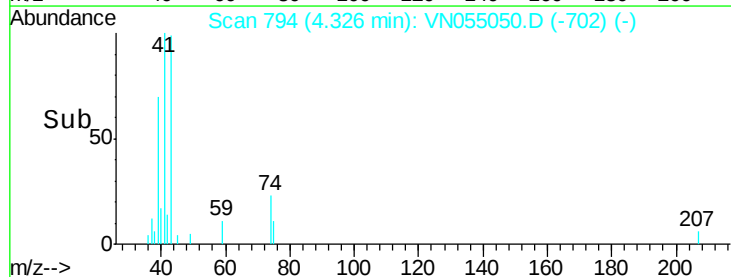
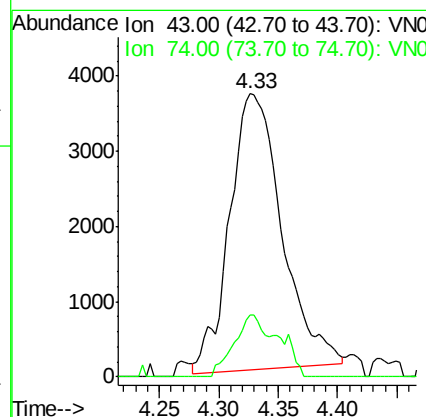
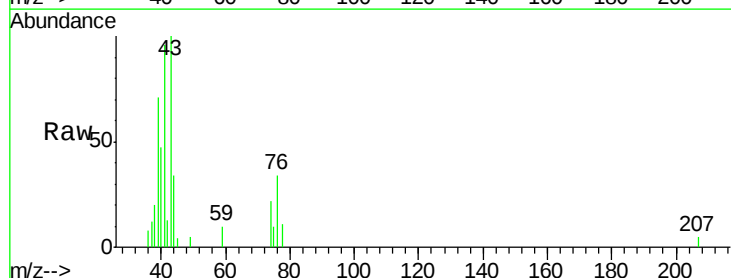
Manual Integrations
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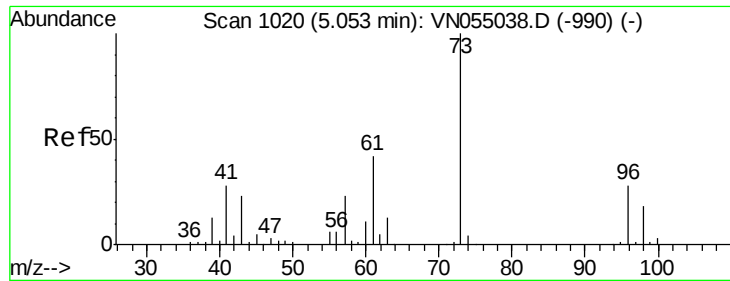
MMDadoda
4/17/2019 2:06:12 PM



#18
Methyl Acetate
Concen: 2.590 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion: 43 Resp: 11241
Ion Ratio Lower Upper
43 100
74 19.0 16.1 24.1





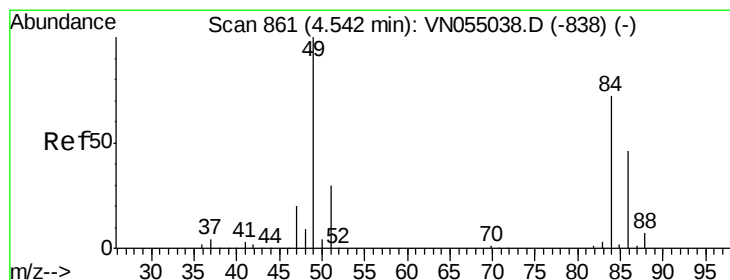
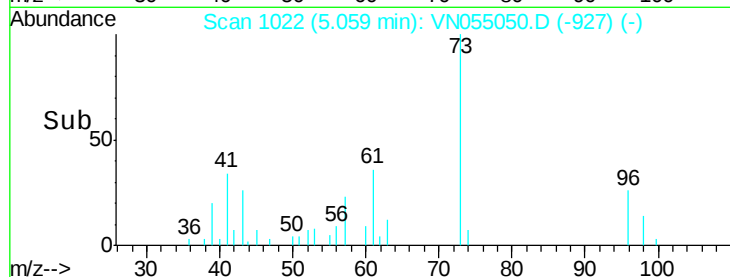
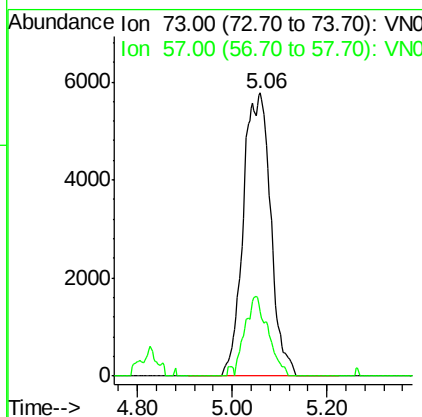
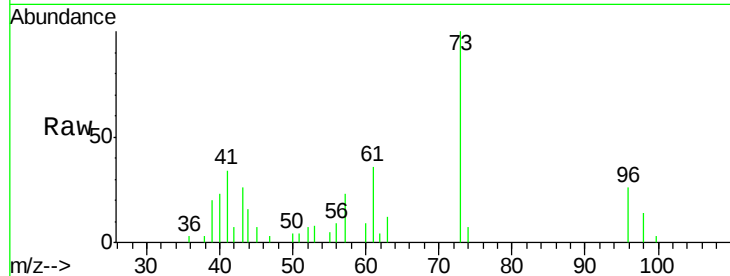
#19
Methvl tert-butvl Ether
Concen: 2.159 ug/l m
RT: 5.06 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

Tot Ion: 73 Resp: 22976
Ion Ratio Lower Upper
73 100
57 22.7 19.0 28.4

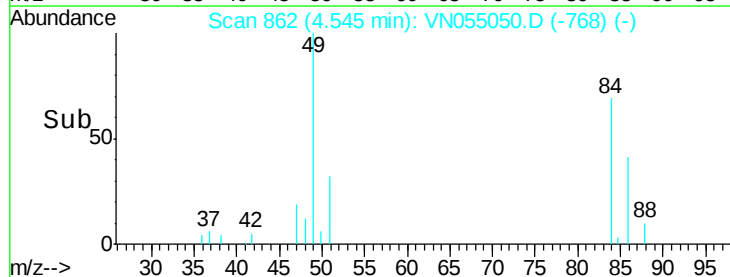
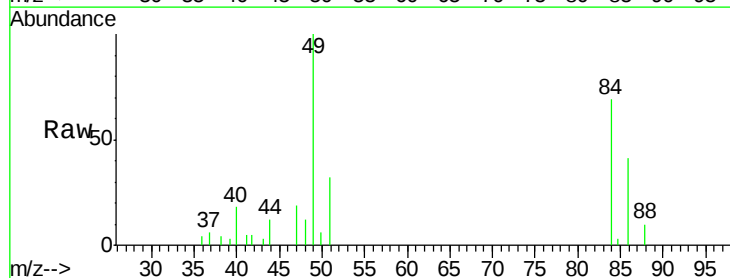
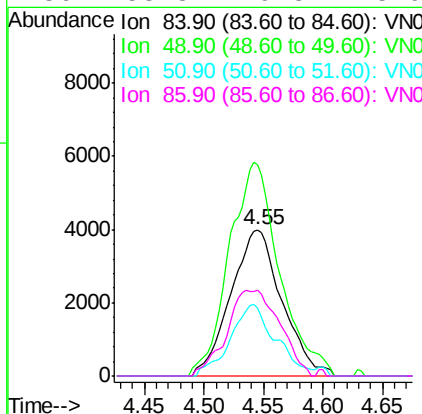
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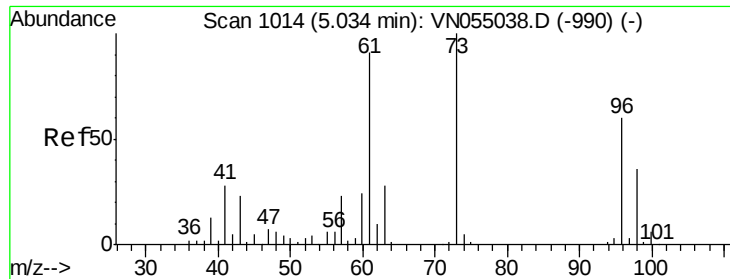
MMDadoda
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#20
Methylene Chloride
Concen: 2.499 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion: 84 Resp: 11881
Ion Ratio Lower Upper
84 100
49 144.6 109.4 164.2
51 46.2 32.2 48.4
86 58.8 49.3 73.9





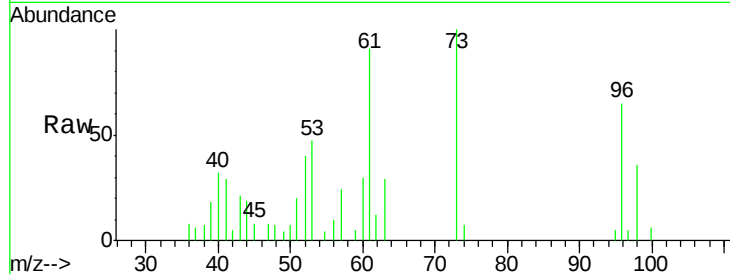
#21
trans-1,2-Dichloroethene
Concen: 2.260 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	114.9	172.3
98	56.3	48.4	72.6

Manual Integrations
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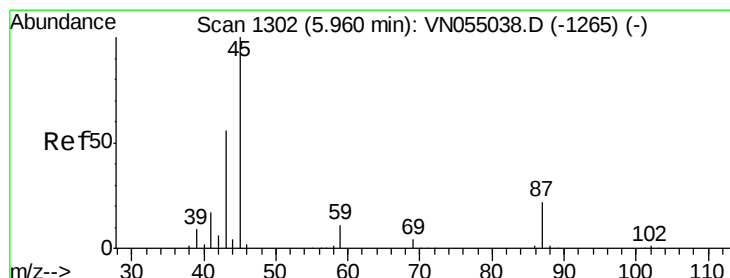
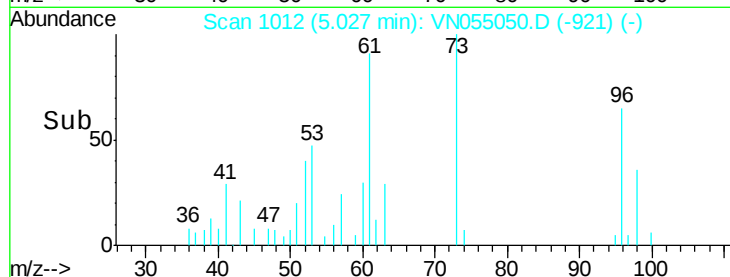
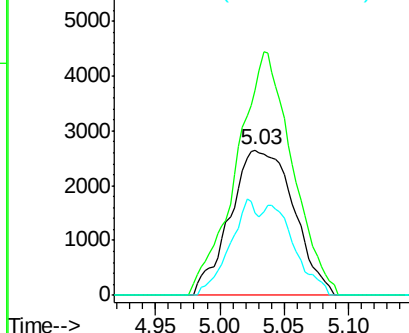


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 2.164 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.1	44.8	67.2
87	28.1	18.9	28.3
59	12.5	7.9	11.9

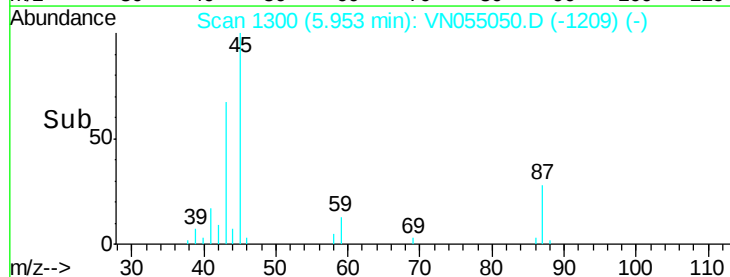
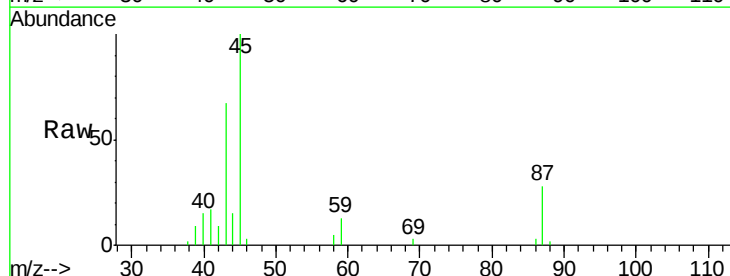
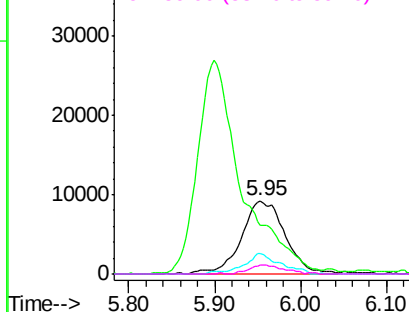
Abundance

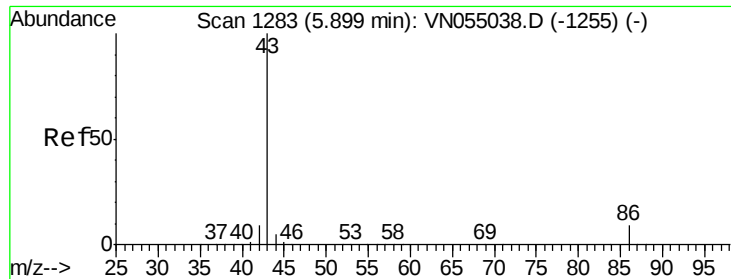
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





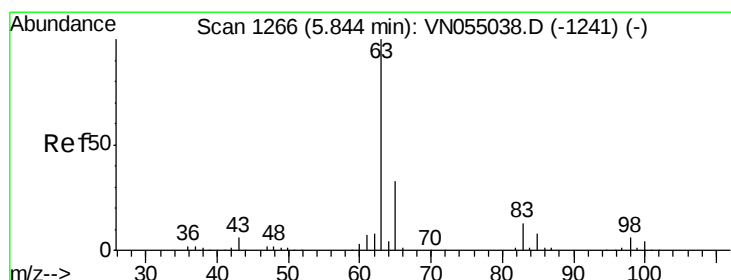
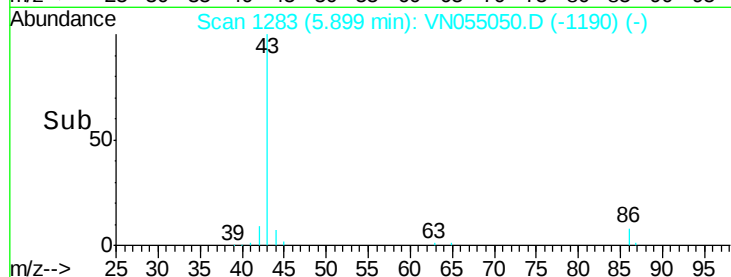
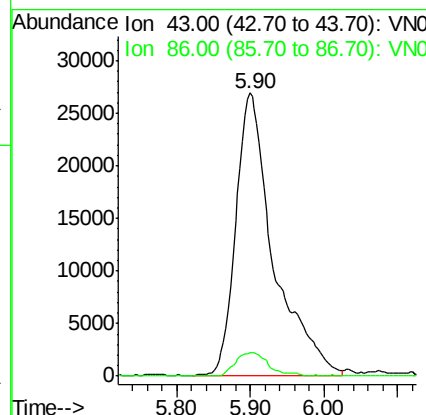
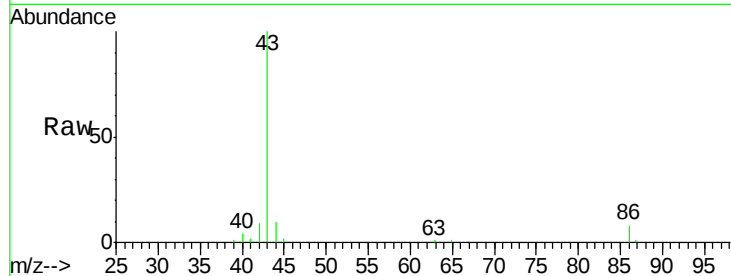
#23
 Vinyl Acetate
 Concen: 9.747 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055050.D
 Acq: 15 Apr 2019 18:41

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

Tot Ion	43	Resp	96446
Ion Ratio	100	Lower	Upper
43	100		
86	8.3	7.0	10.4

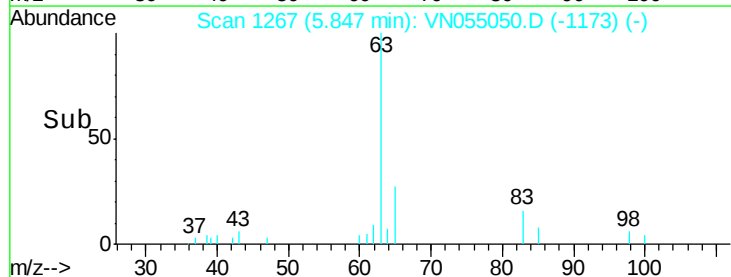
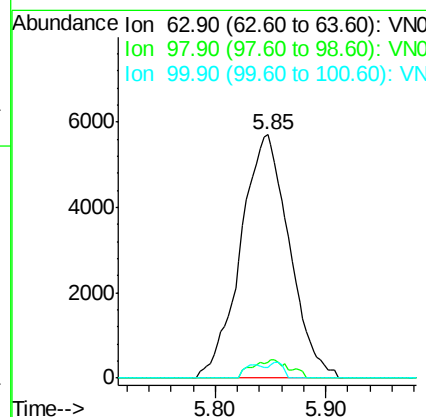
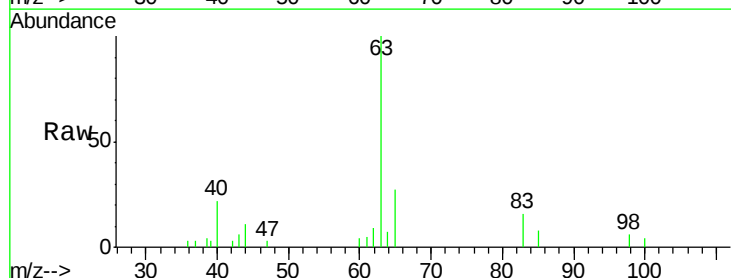
Manual Integrations
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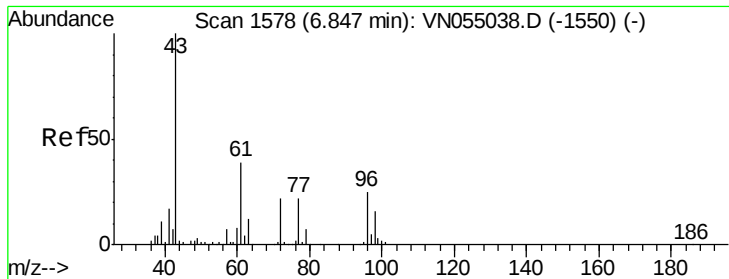
MMDadoda
 4/17/2019 2:06:12 PM



#24
 1,1-Dichloroethane
 Concen: 2.186 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN055050.D
 Acq: 15 Apr 2019 18:41

Tgt Ion	63	Resp	17426
Ion Ratio	100	Lower	Upper
63	100		
98	6.4	2.8	8.4
100	4.3	2.0	5.8





#25

2-Butanone

Concen: 9.672 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 43 Resp: 19521

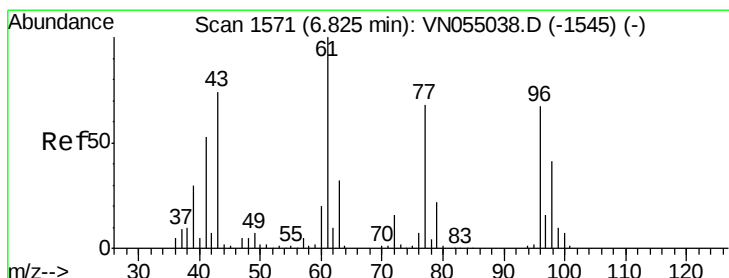
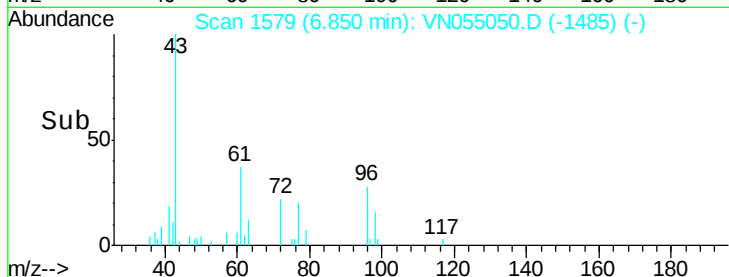
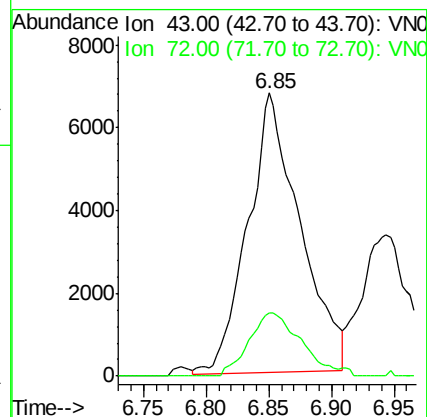
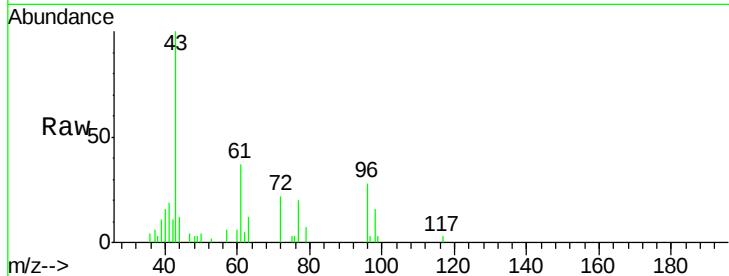
Ion Ratio Lower Upper

43 100

72 22.7 18.1 27.1

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#26

2,2-Dichloropropane

Concen: 2.109 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055050.D

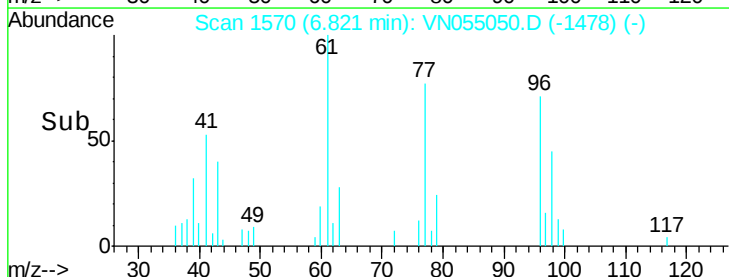
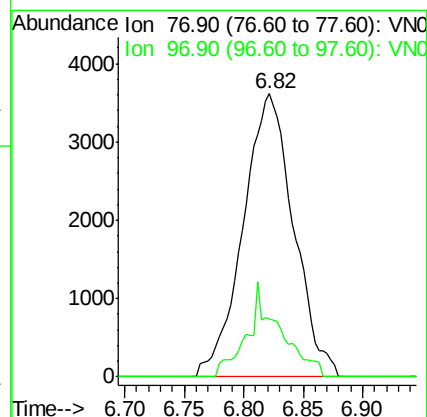
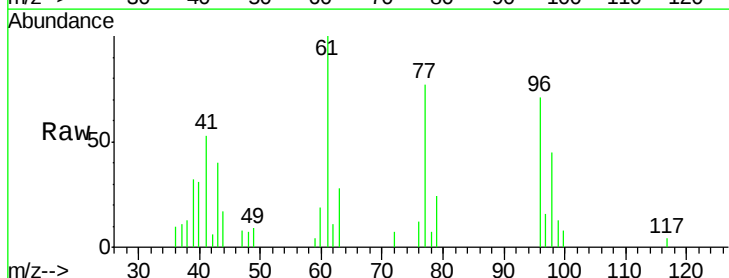
Acq: 15 Apr 2019 18:41

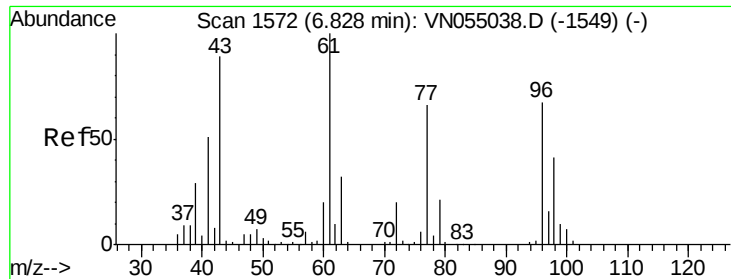
Tgt Ion: 77 Resp: 10612

Ion Ratio Lower Upper

77 100

97 21.8 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 2.281 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

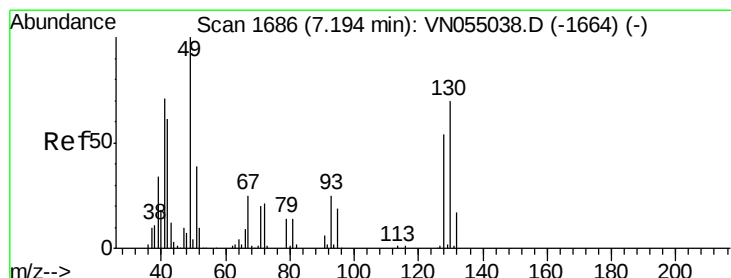
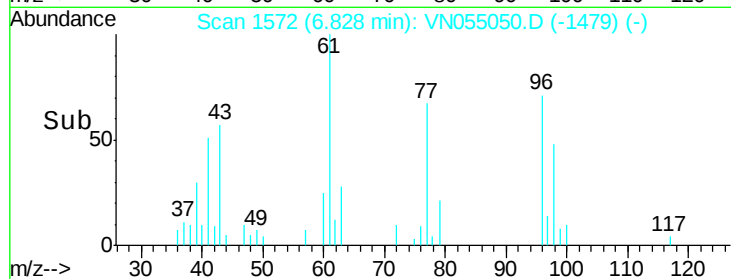
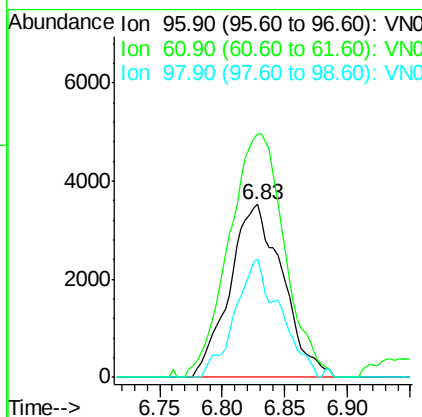
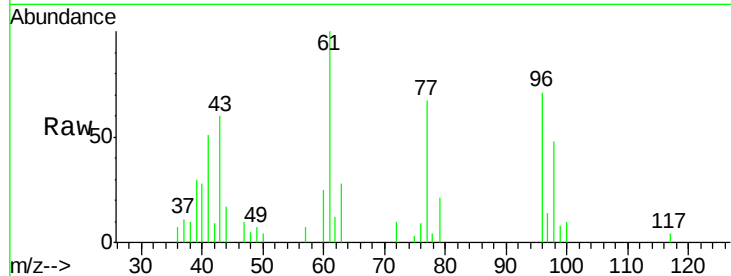
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	96	Resp:	10385
Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	311.0
98	57.9	0.0	127.4

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#28

Bromochloromethane

Concen: 2.322 ug/l

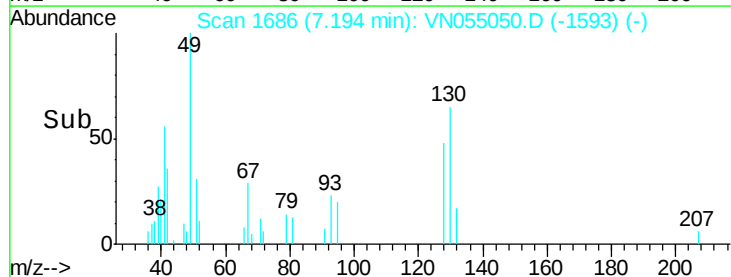
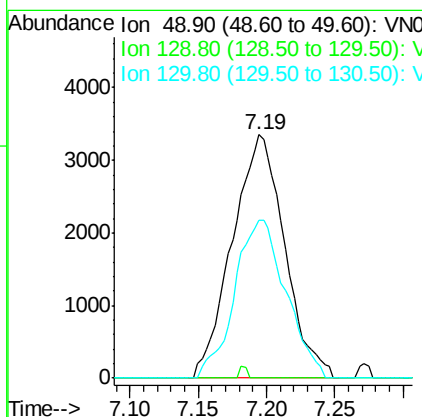
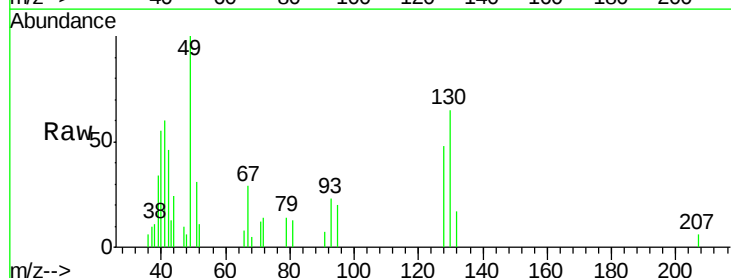
RT: 7.19 min Scan# 1686

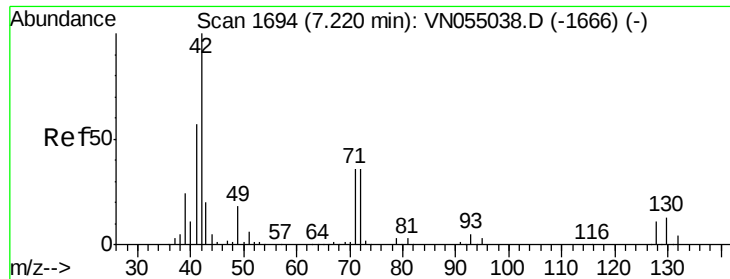
Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Tgt Ion:	49	Resp:	8923
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.0
130	63.5	53.4	80.2





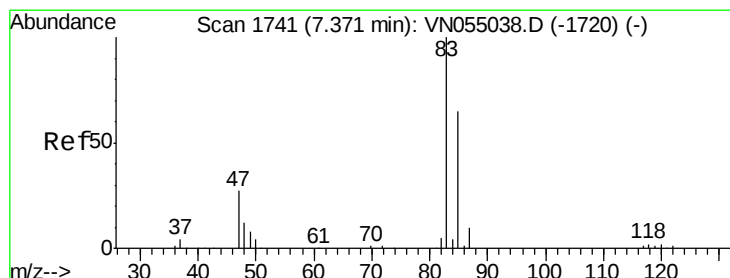
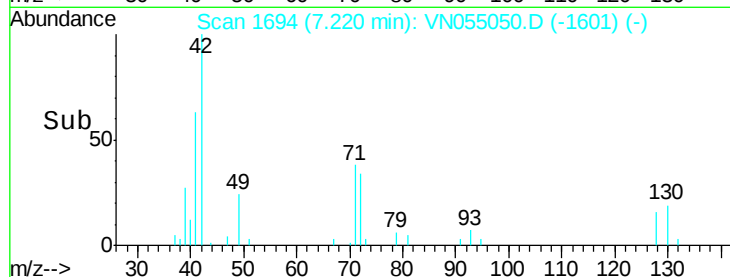
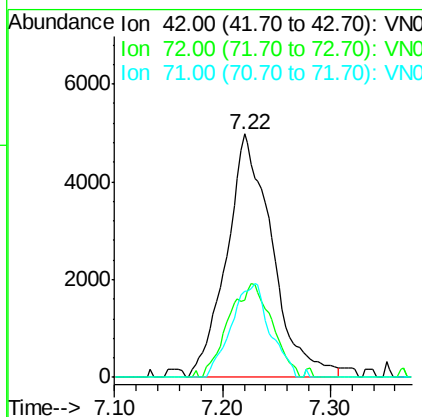
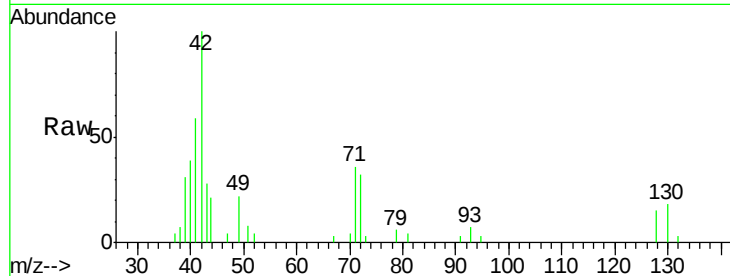
#29
Tetrahydrofuran
Concen: 11.094 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	29.4	44.0
71	32.5	27.8	41.6

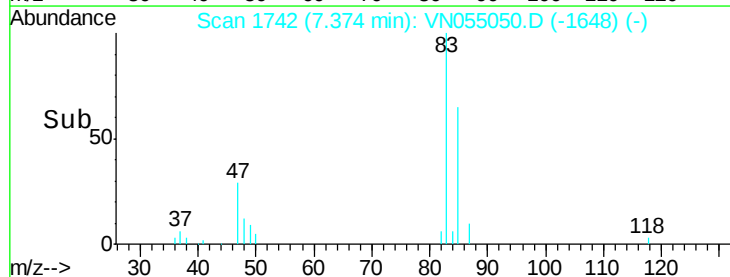
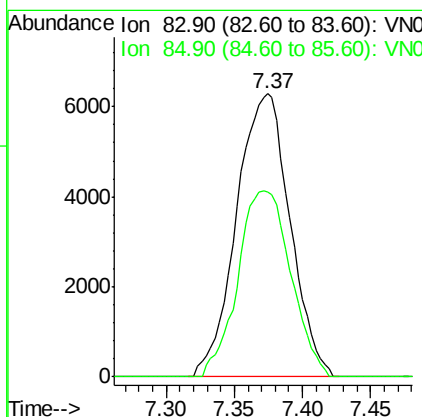
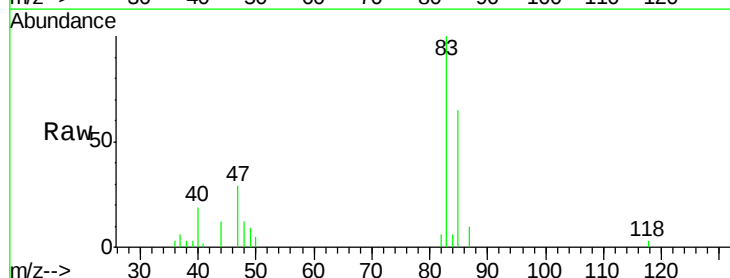
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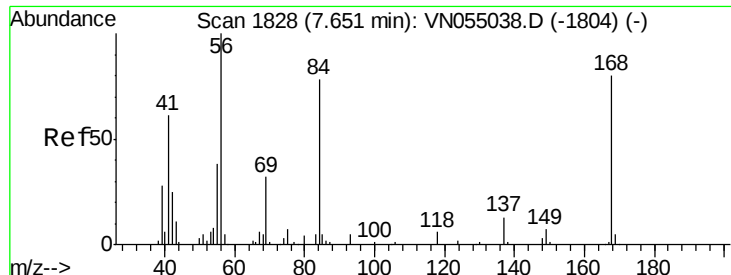
MMDadoda
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#30
Chloroform
Concen: 2.209 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.8	77.6





#31

Cyclohexane

Concen: 2.746 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 56 Resp: 23826

Ion Ratio Lower Upper

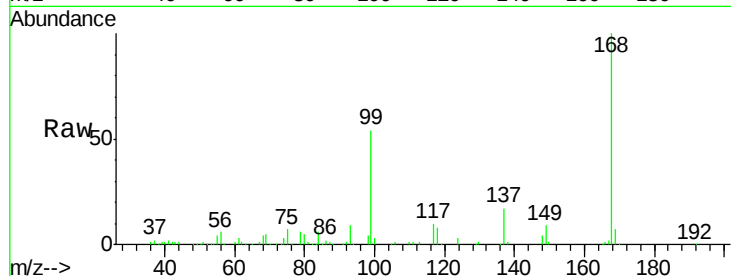
56 100

69 84.6 24.5 36.7#

84 103.5 62.9 94.3#

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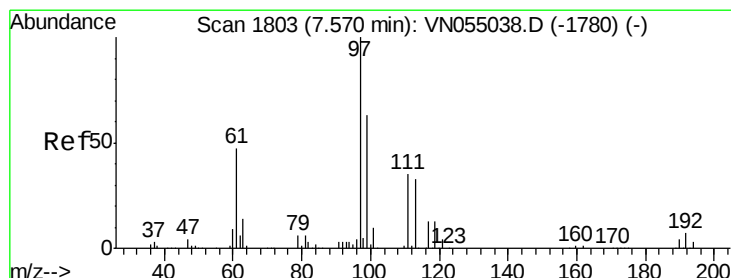
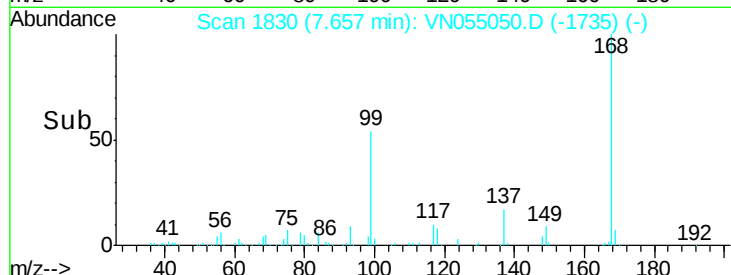
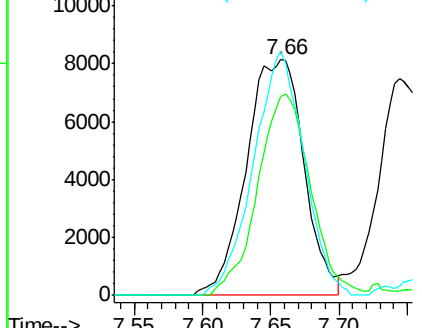
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 2.114 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

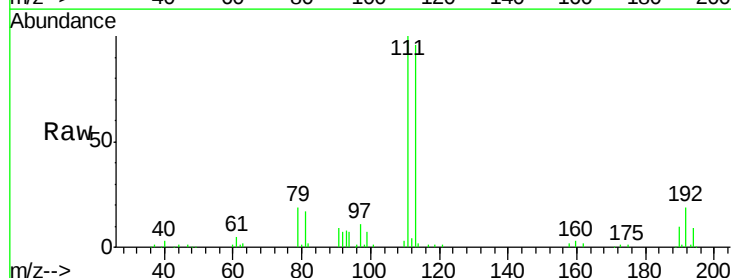
Tgt Ion: 97 Resp: 12968

Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

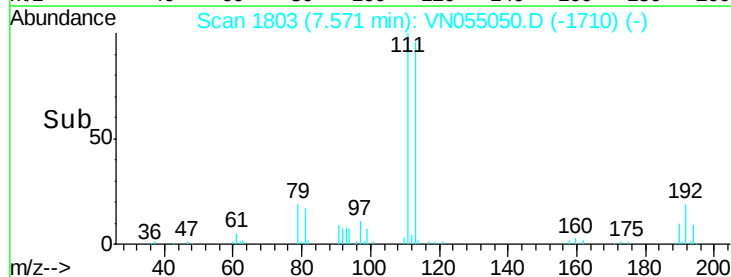
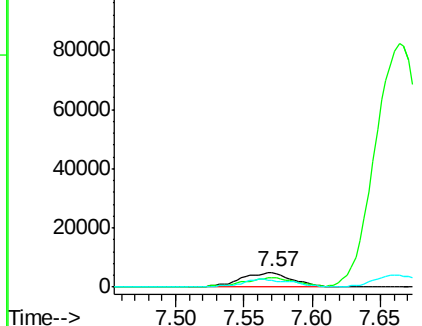
61 51.1 38.3 57.5

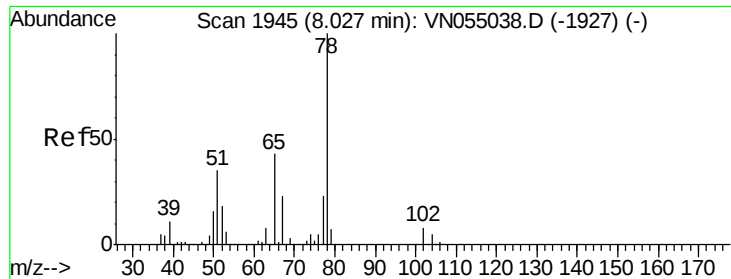


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.647 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 65 Resp: 257334

Ion Ratio Lower Upper

65 100

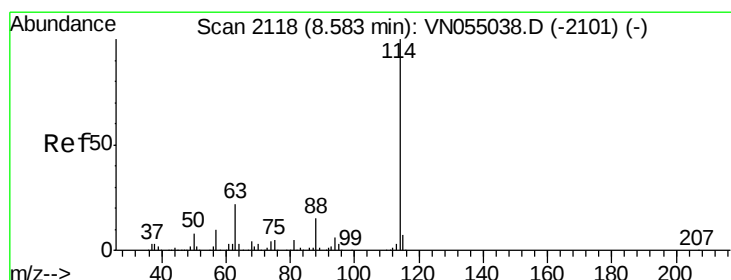
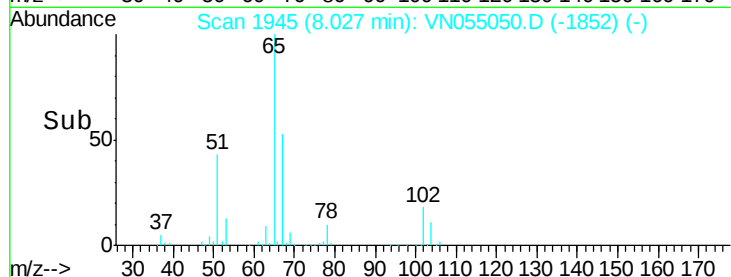
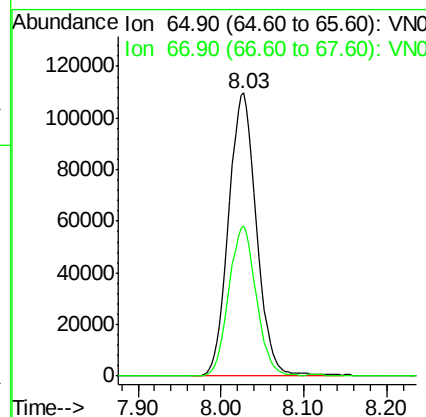
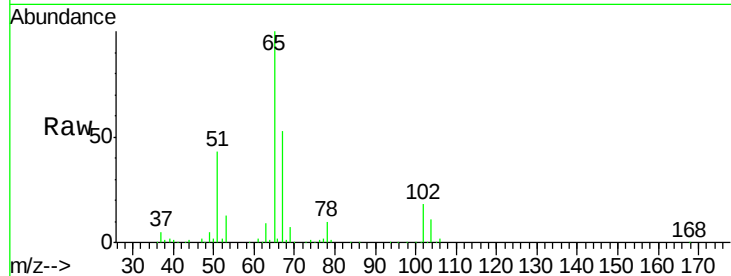
67 52.0 0.0 106.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

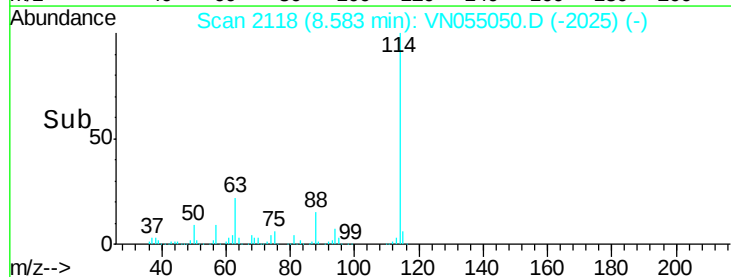
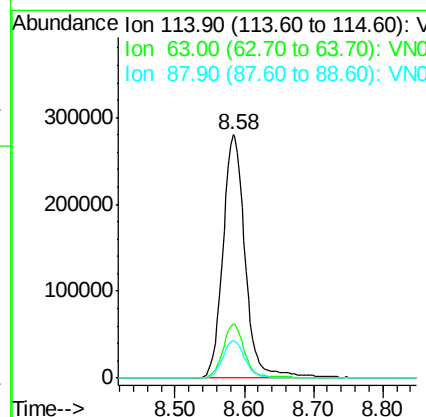
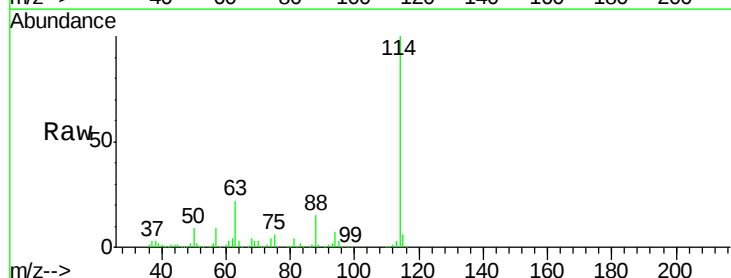
Tgt Ion: 114 Resp: 625180

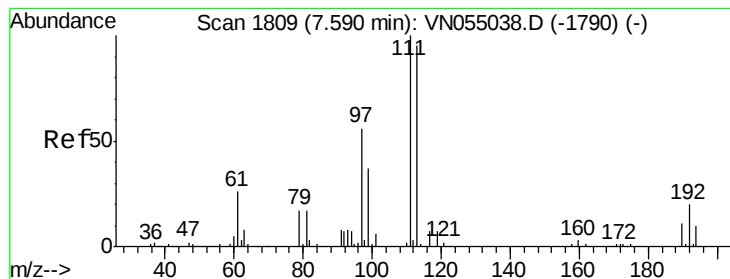
Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.2

88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.611 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

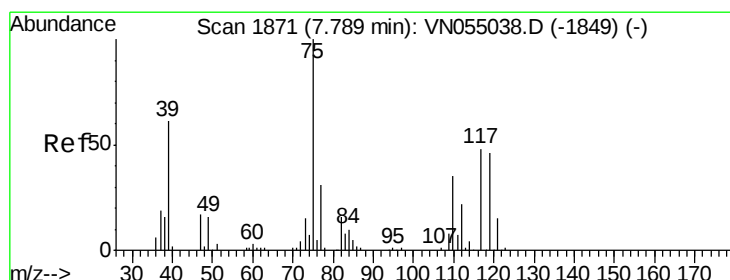
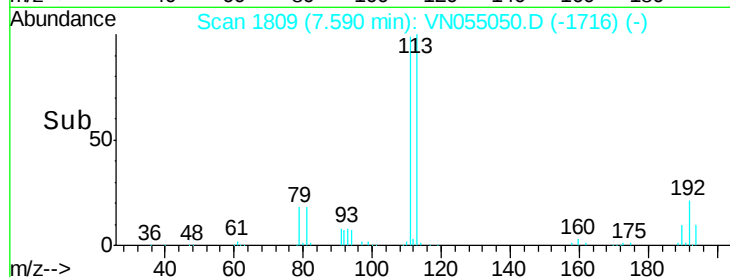
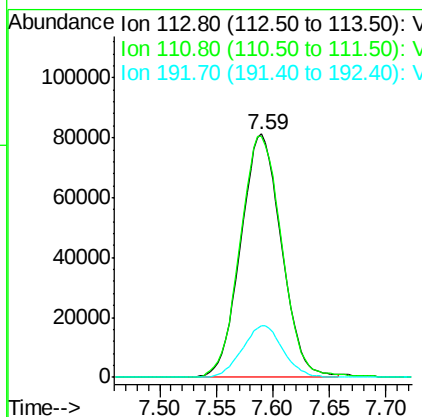
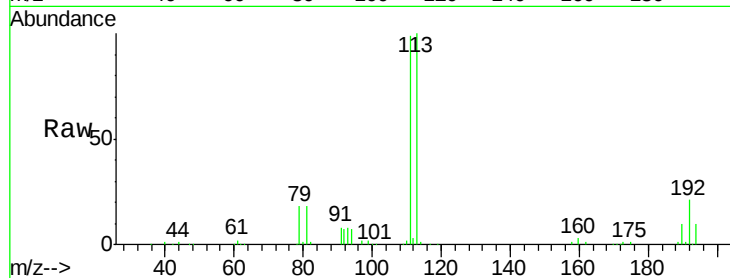
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	113	Resp:	203105
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.1	123.1
192	21.3	16.5	24.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 2.022 ug/l

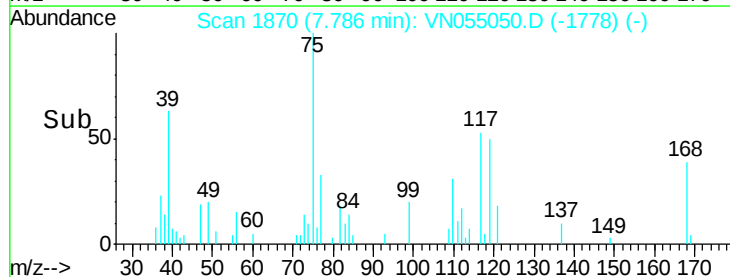
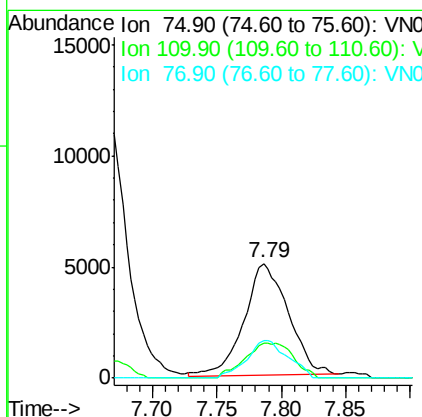
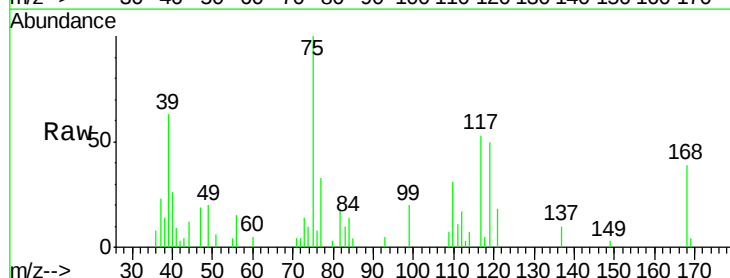
RT: 7.79 min Scan# 1870

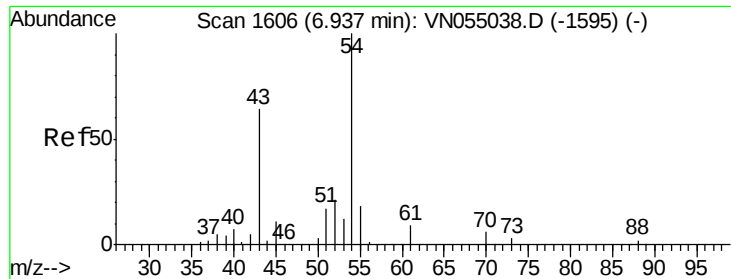
Delta R.T. -0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Tgt Ion:	75	Resp:	11914
Ion Ratio	Lower	Upper	
75	100		
110	34.8	17.5	52.5
77	31.6	24.9	37.3





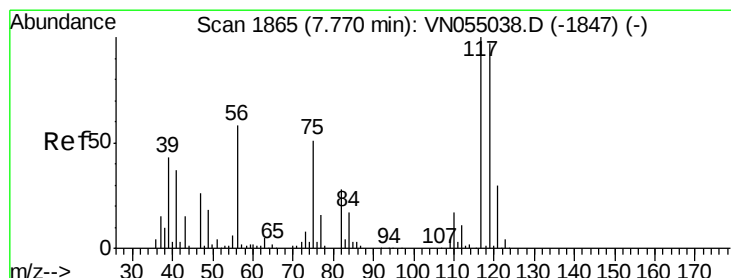
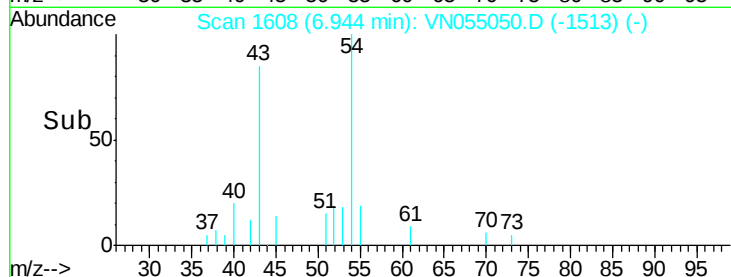
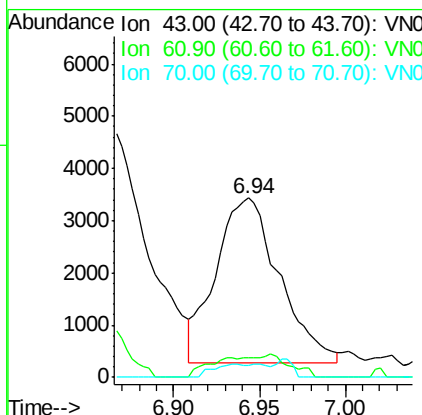
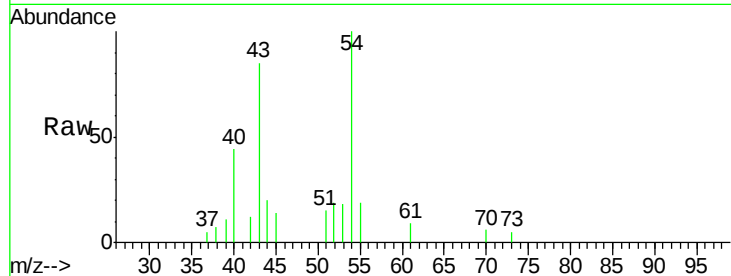
#37
Ethyl Acetate
Concen: 1.713 ug/l m
RT: 6.94 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

Tot Ion	43	61	70
Ratio	100	6.0	3.8
Lower		10.0	7.1
Upper		15.0#	10.7#

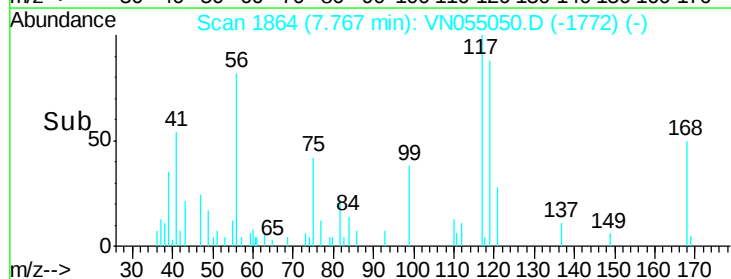
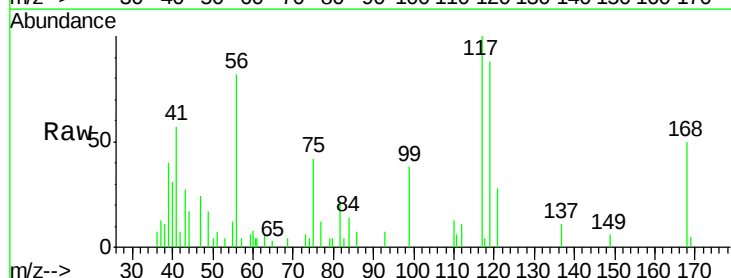
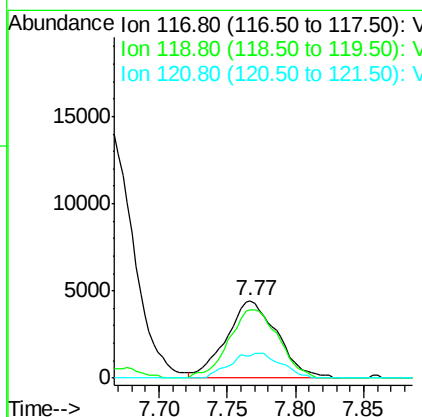
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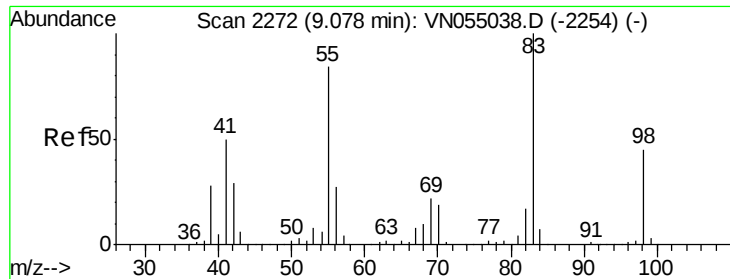
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#38
Carbon Tetrachloride
Concen: 2.050 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion	117	119	121
Ratio	100	87.9	28.4
Lower		76.3	23.9
Upper		114.5	35.9





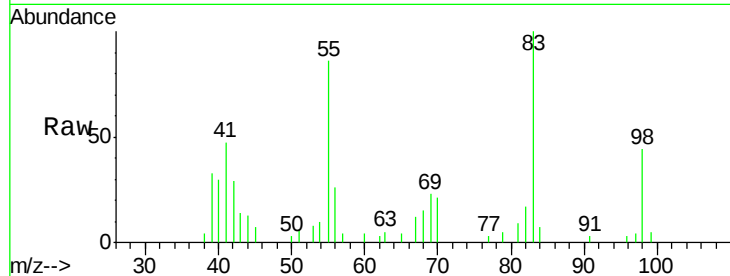
#39
Methvlcvclohexane
Concen: 2.014 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

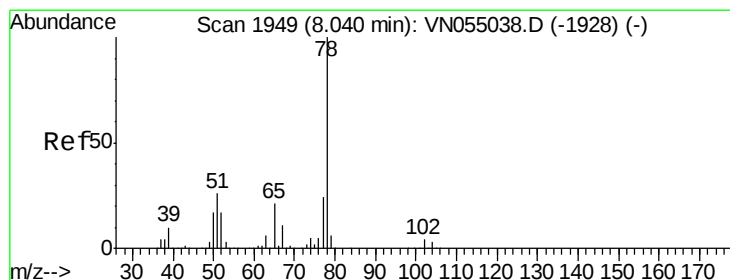
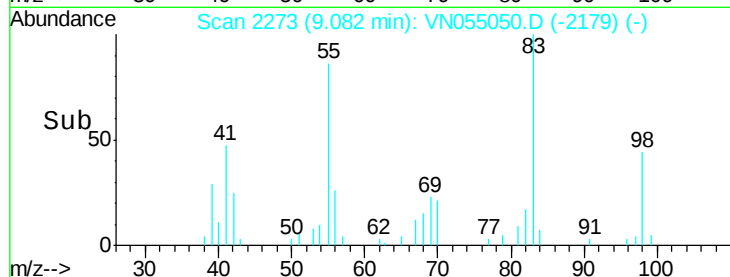
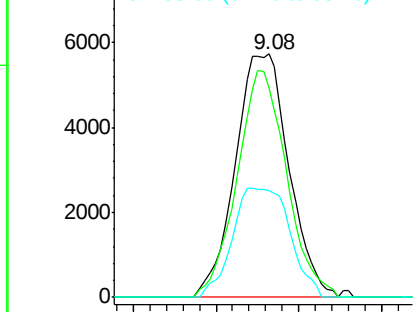
Tot Ion	83	Resp	12860
Ion Ratio	Lower	Upper	
83	100		
55	85.6	67.0	100.4
98	44.0	35.6	53.4

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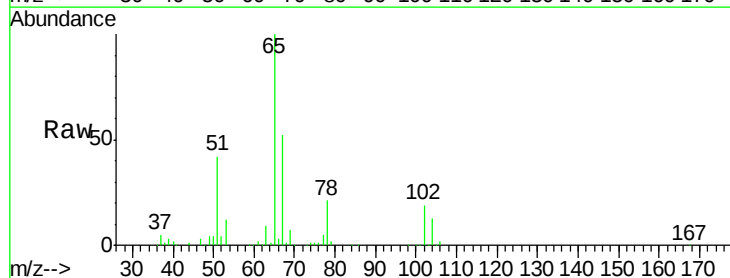


Abundance Ion 83.00 (82.70 to 83.70): VNC
Ion 55.00 (54.70 to 55.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

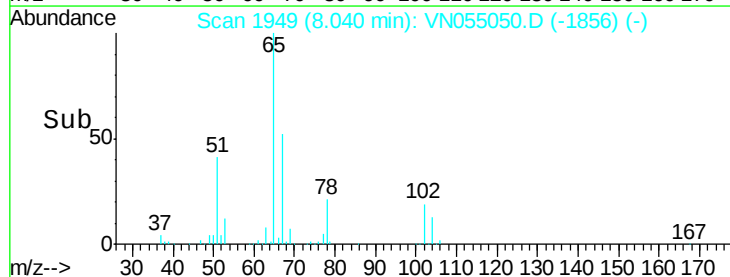
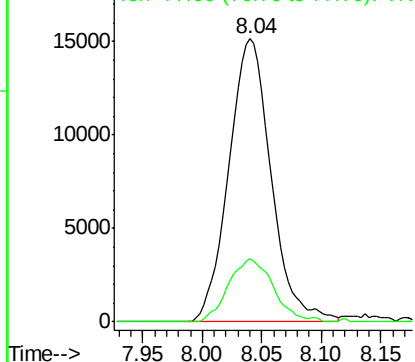


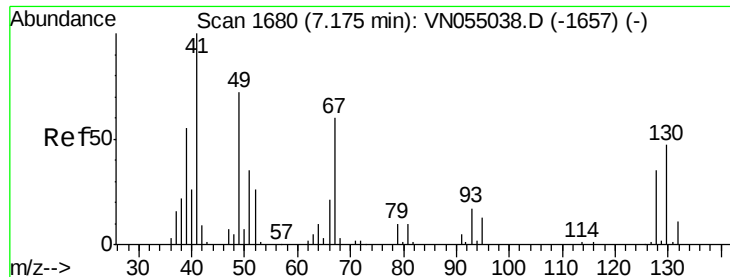
#40
Benzene
Concen: 2.103 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion	78	Resp	37361
Ion Ratio	Lower	Upper	
78	100		
77	22.1	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VNC
Ion 77.00 (76.70 to 77.70): VNC





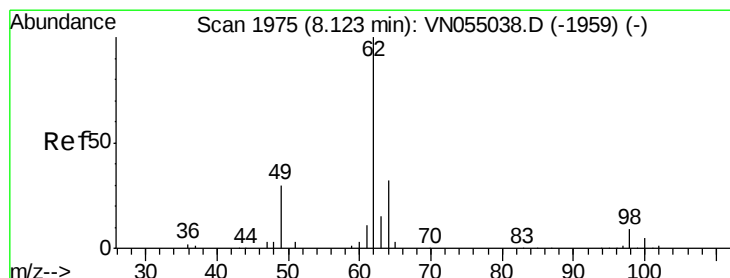
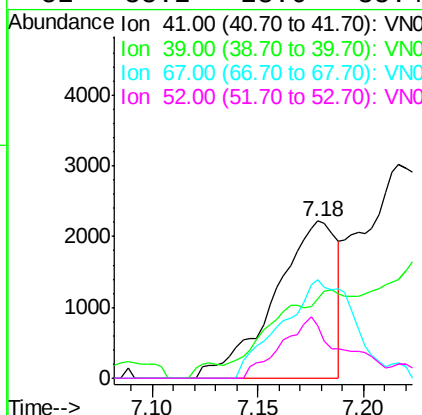
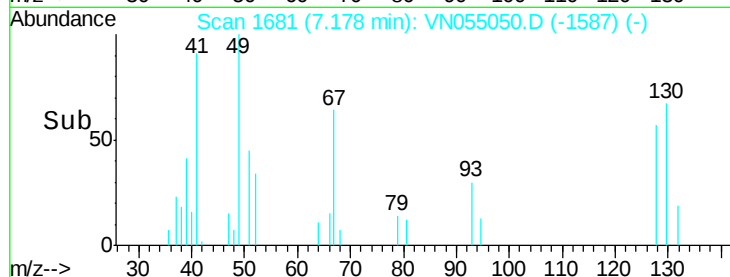
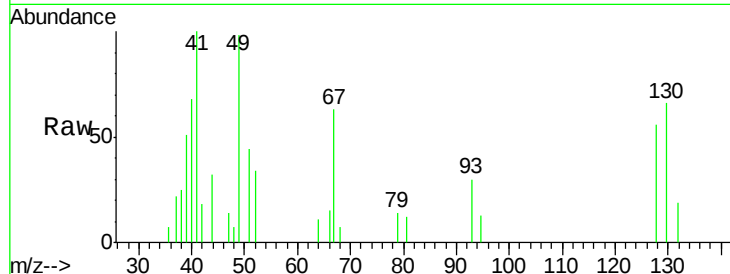
#41
Methacrylonitrile
Concen: 1.703 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	24.5	45.6	68.4#
67	72.9	57.0	85.6
52	38.2	23.6	35.4#

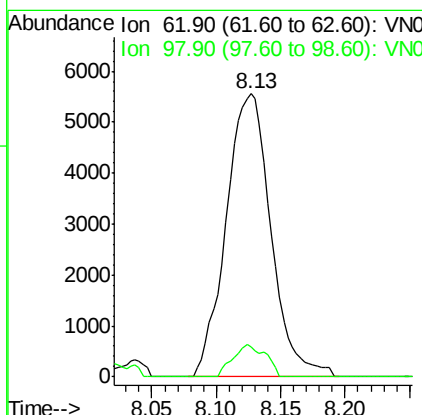
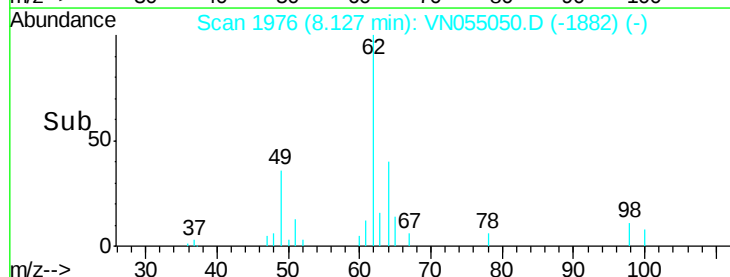
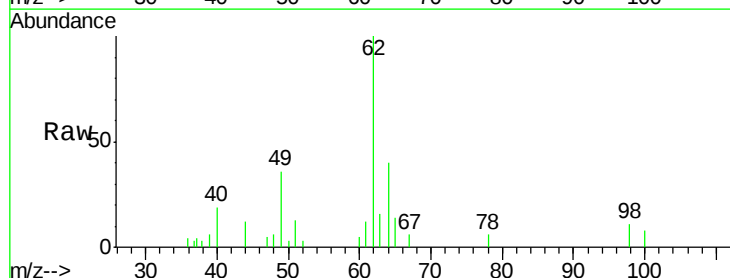
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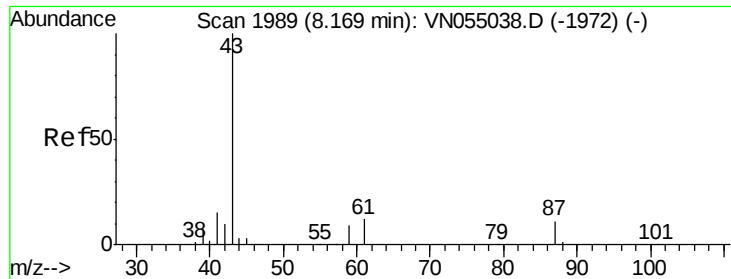
MMDadoda
4/17/2019 2:06:12 PM



#42
1,2-Dichloroethane
Concen: 2.177 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.4





#43

Isopropyl Acetate

Concen: 1.973 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

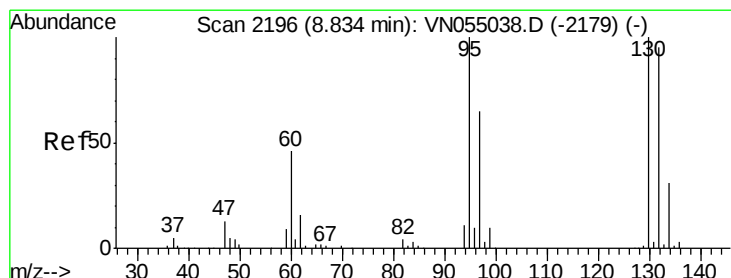
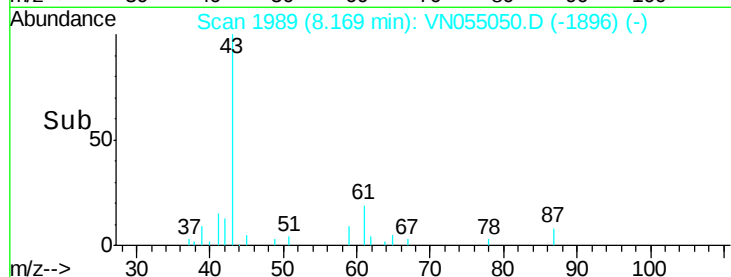
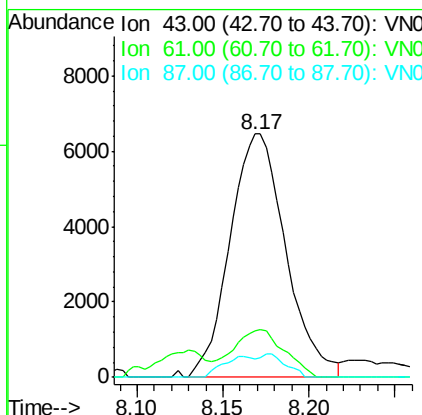
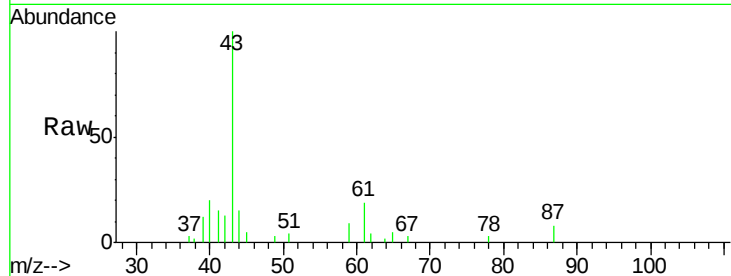
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	43	Resp:	14586
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.3	21.5
87	5.0	8.6	13.0#

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#44

Trichloroethene

Concen: 2.012 ug/l

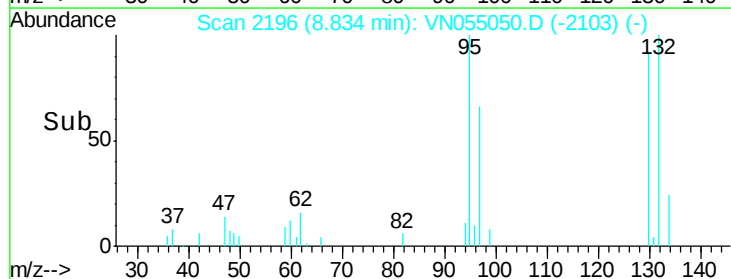
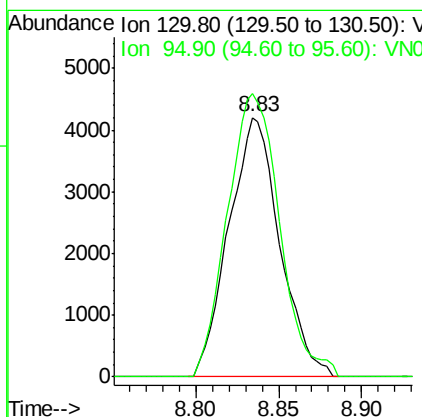
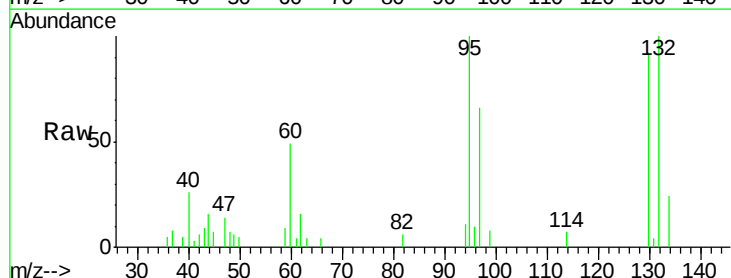
RT: 8.83 min Scan# 2196

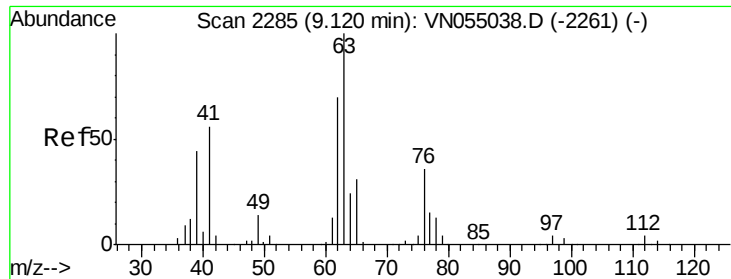
Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Tgt Ion:	130	Resp:	8950
Ion	Ratio	Lower	Upper
130	100		
95	109.2	0.0	201.6





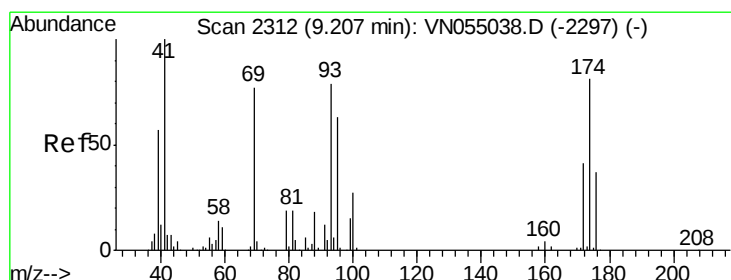
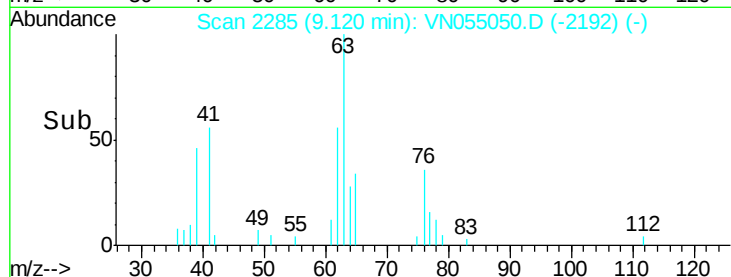
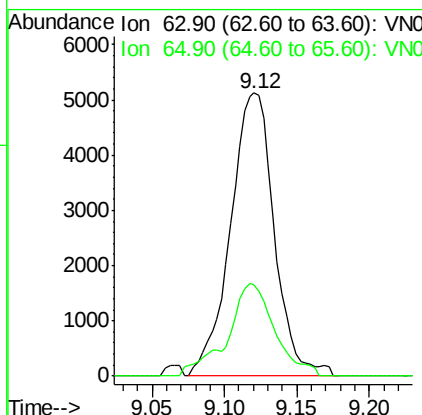
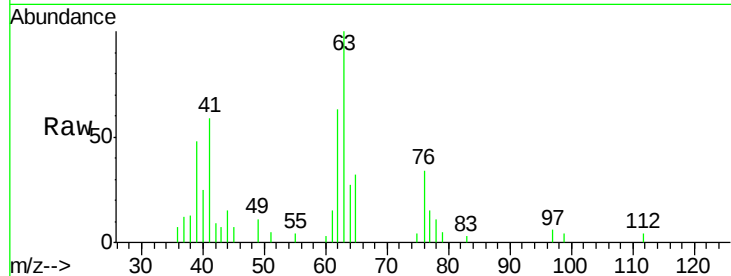
#45
 1,2-Dichloropropane
 Concen: 2.175 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055050.D
 Acq: 15 Apr 2019 18:41

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

Tot Ion: 63 Resp: 10772
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.4 36.6

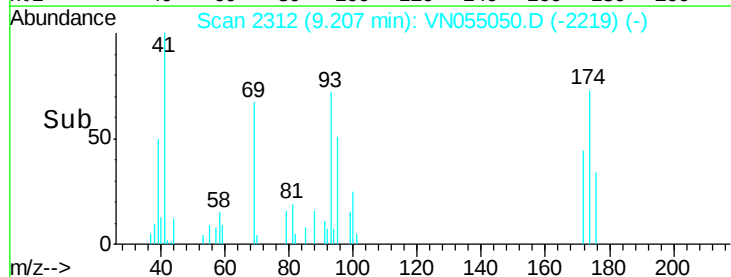
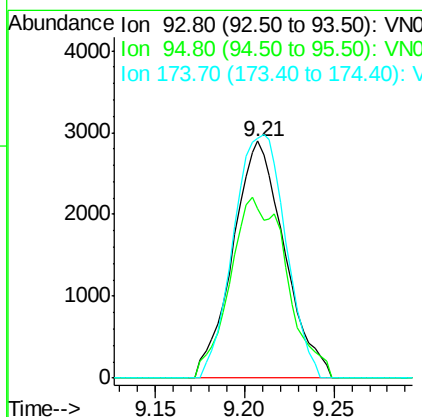
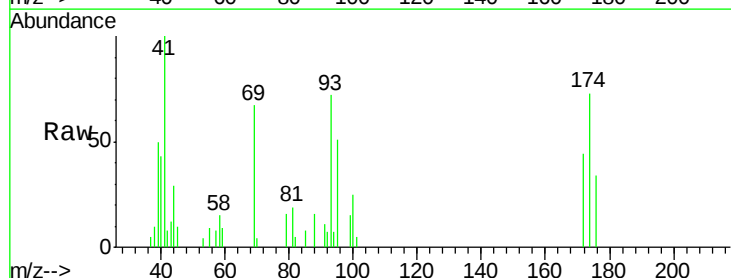
Manual Integrations
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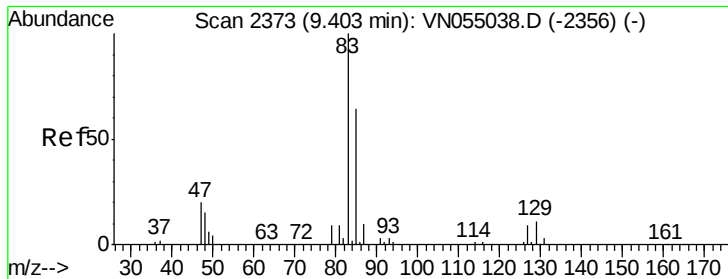
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#46
 Dibromomethane
 Concen: 2.074 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055050.D
 Acq: 15 Apr 2019 18:41

Tgt Ion: 93 Resp: 5847
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.0 97.6
 174 103.9 81.0 121.6





#47

Bromodichloromethane

Concen: 1.966 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

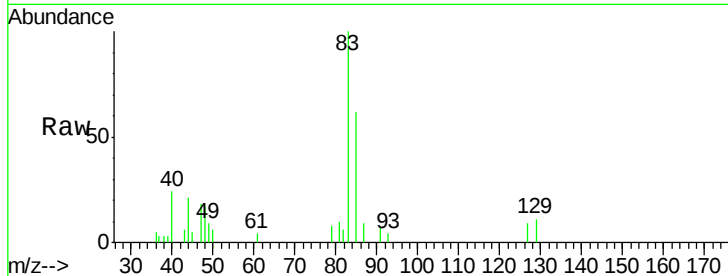
ClientSampleId :

LOQ-WATER-02-QT2-2019

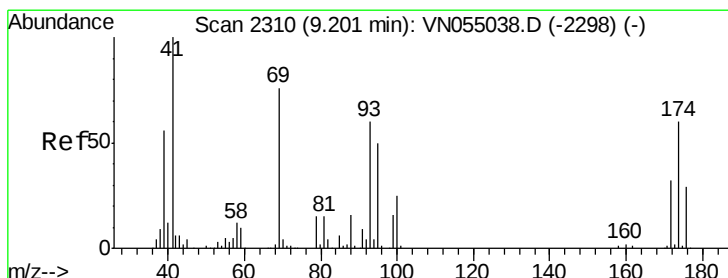
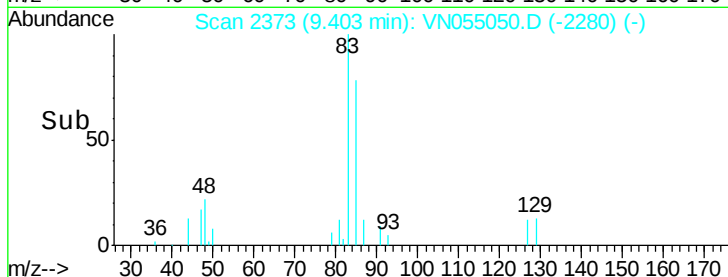
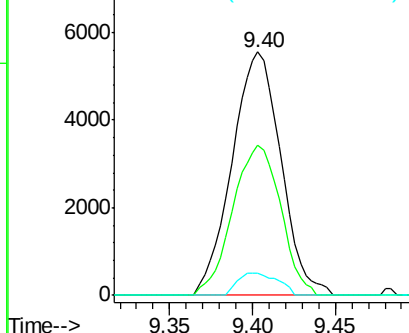
Tot Ion:	83	Resp:	11430
Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.2	76.8
127	9.1	6.8	10.2

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 1.971 ug/l

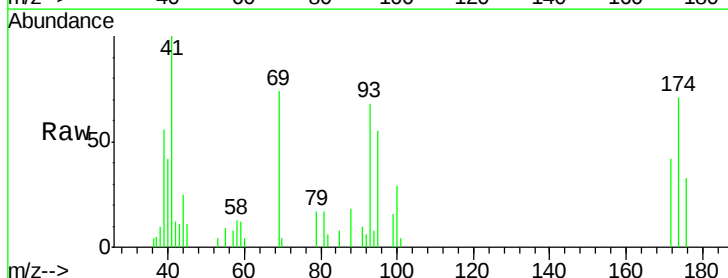
RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

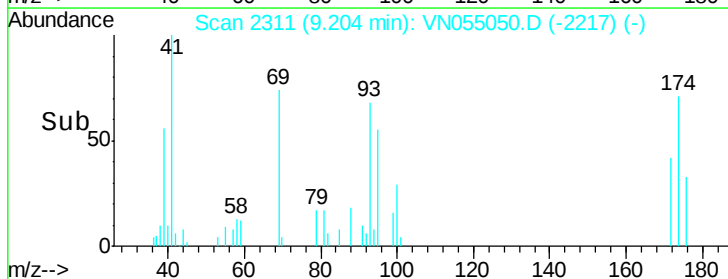
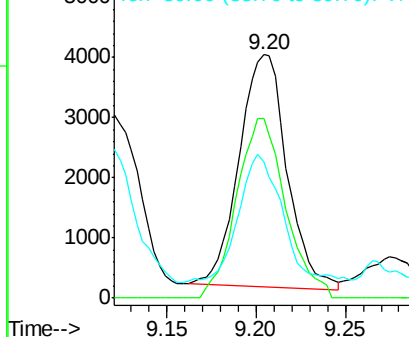
Lab File: VN055050.D

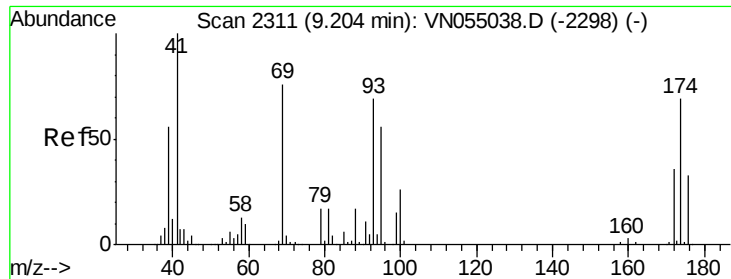
Acq: 15 Apr 2019 18:41

Tgt Ion:	41	Resp:	7224
Ion	Ratio	Lower	Upper
41	100		
69	79.2	60.5	90.7
39	69.1	43.9	65.9#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





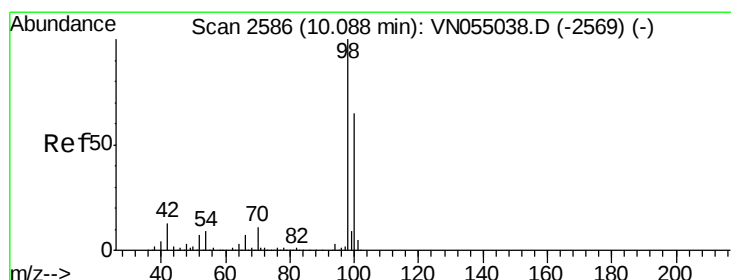
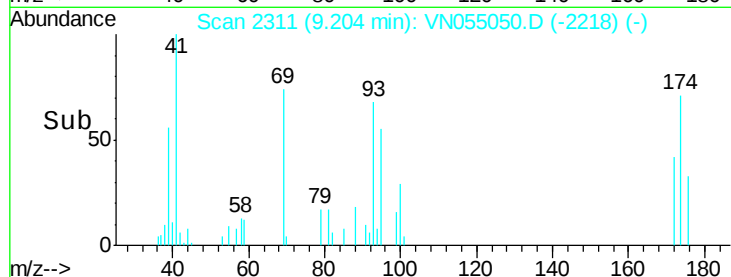
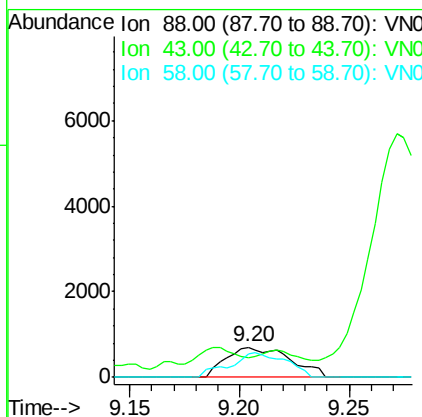
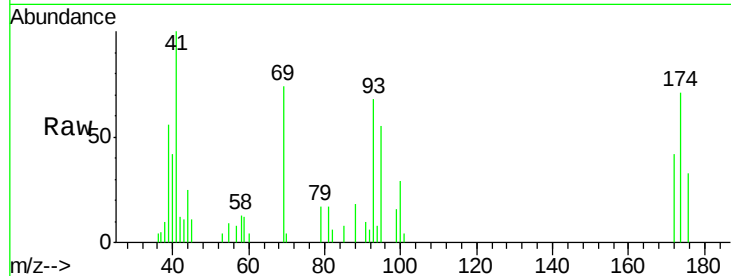
#49
1,4-Dioxane
Concen: 41.624 ug/l m
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

Tot Ion: 88 Resp: 1429
Ion Ratio Lower Upper
88 100
43 23.1 31.8 47.8#
58 71.7 61.6 92.4

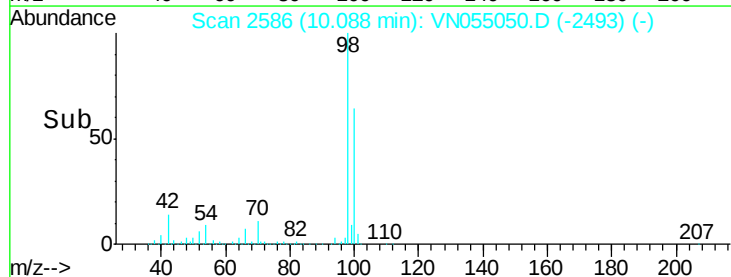
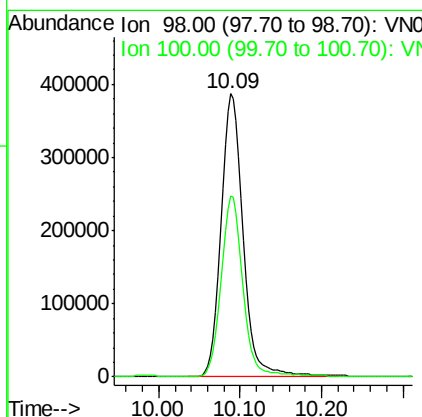
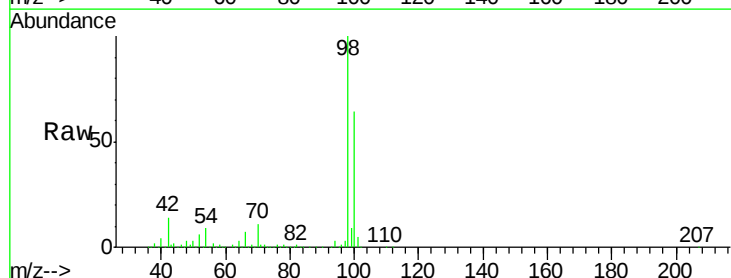
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#50
Toluene-d8
Concen: 49.878 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion: 98 Resp: 745873
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7





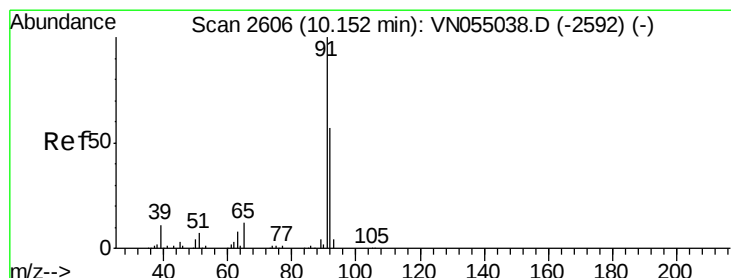
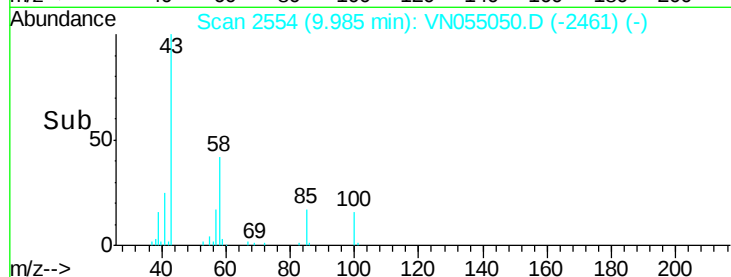
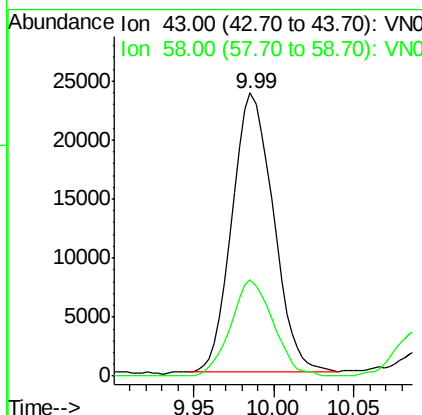
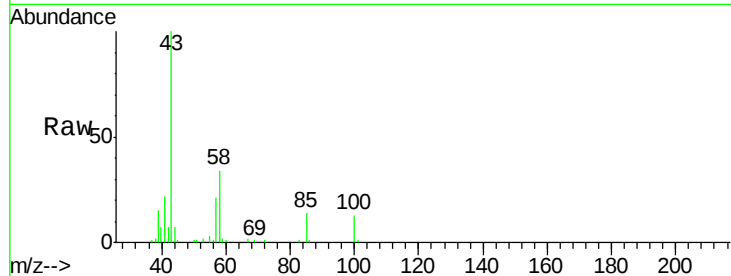
#51
4-Methyl-2-Pentanone
Concen: 9.810 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

Tot Ion	43	Resp	41901
Ion Ratio	100	Lower	Upper
43	100		
58	35.3	29.0	43.4

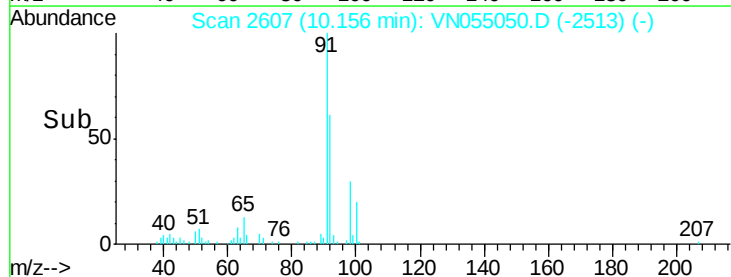
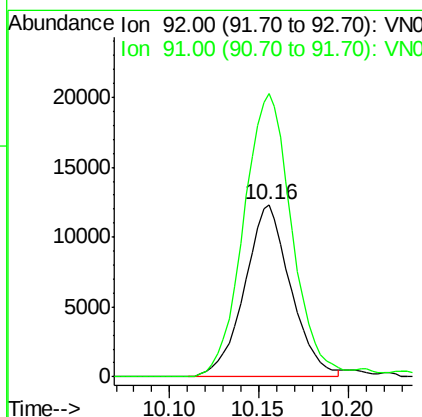
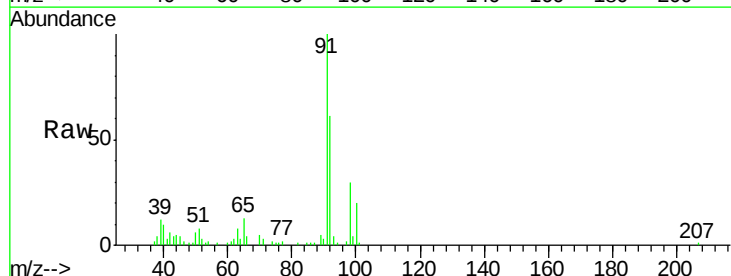
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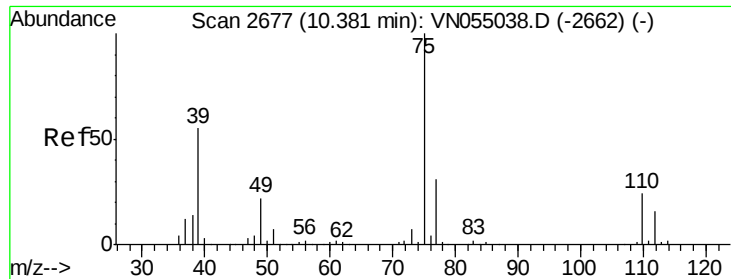
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#52
Toluene
Concen: 2.189 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion	92	Resp	22268
Ion Ratio	100	Lower	Upper
92	100		
91	172.0	140.8	211.2





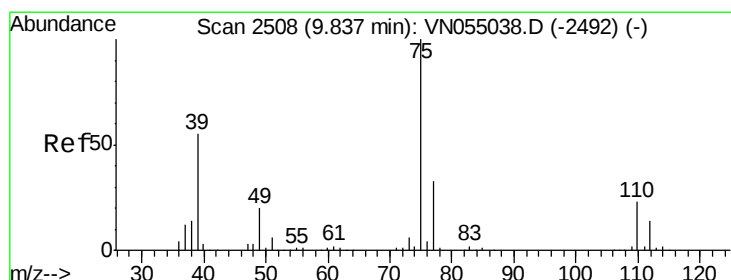
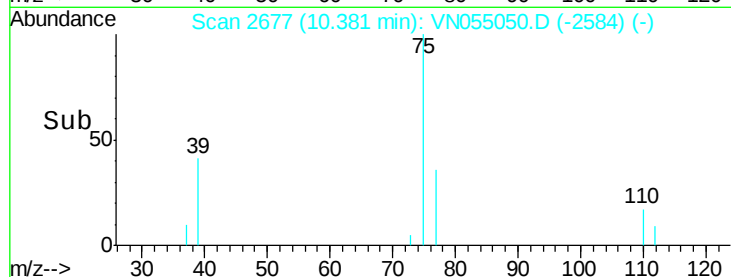
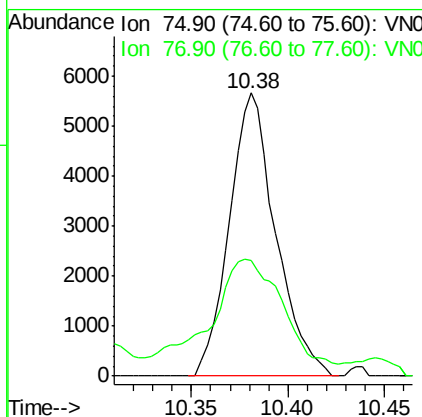
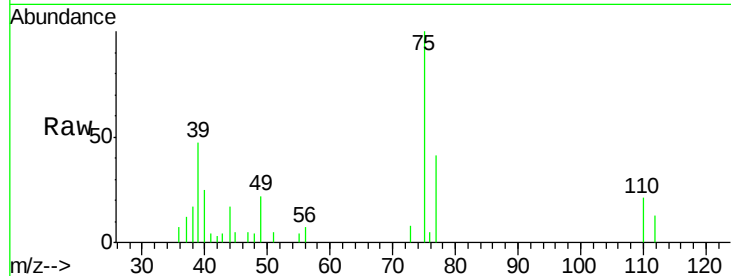
#53
t-1,3-Dichloropropene
Concen: 1.851 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

Tot Ion: 75 Resp: 9402
Ion Ratio Lower Upper
75 100
77 36.3 24.6 37.0

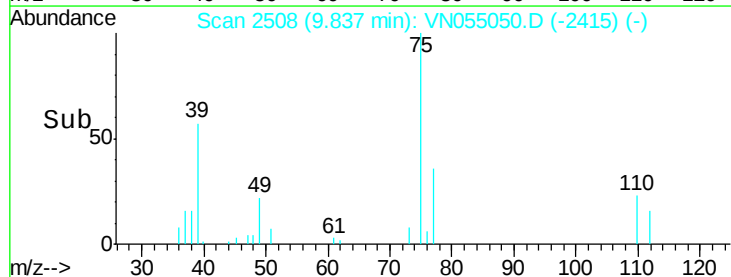
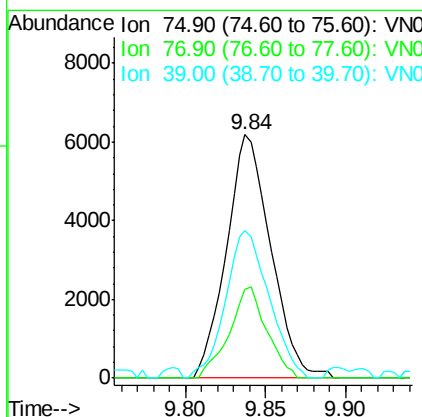
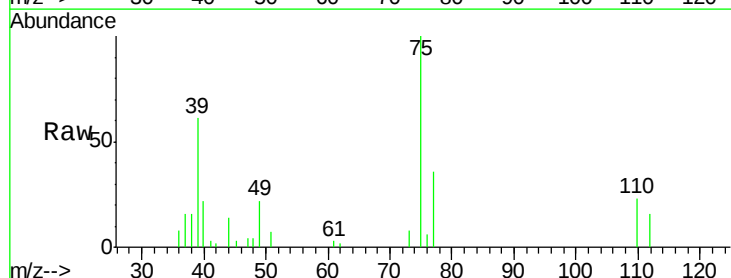
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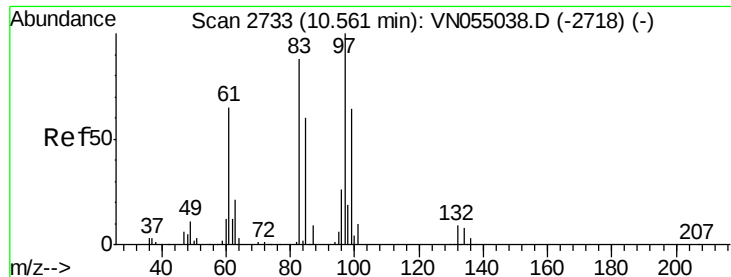
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 1.852 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion: 75 Resp: 11677
Ion Ratio Lower Upper
75 100
77 36.4 25.8 38.6
39 60.8 43.8 65.8





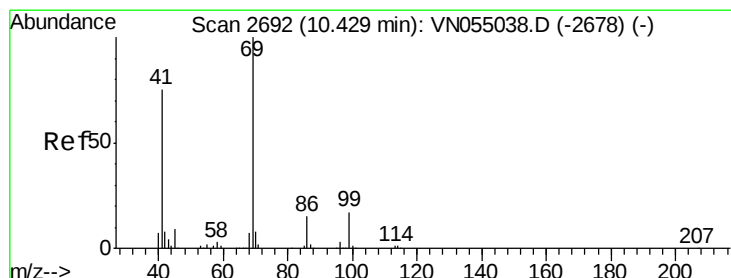
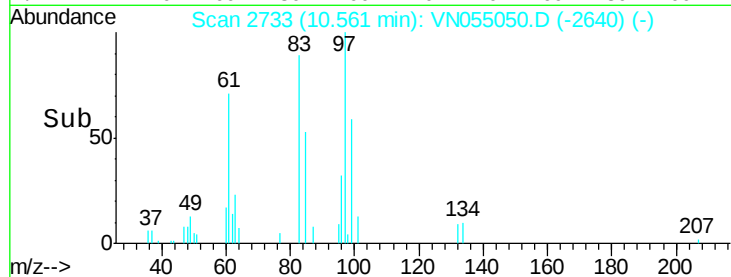
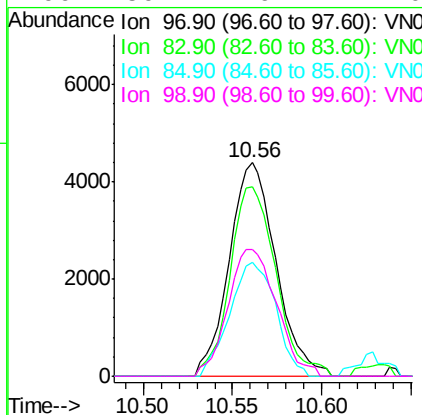
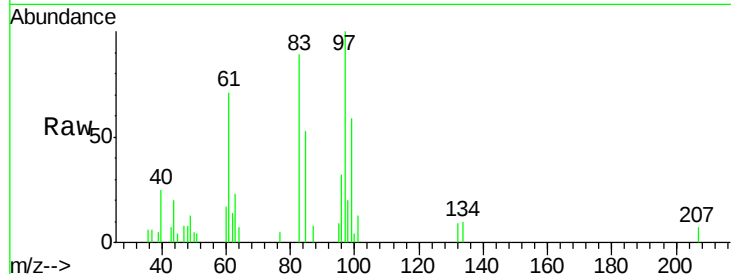
#55
 1,1,2-Trichloroethane
 Concen: 2.040 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055050.D
 Acq: 15 Apr 2019 18:41

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

Tot Ion:	97	Resp:	7996
Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.5	105.7
85	53.1	45.5	68.3
99	59.1	49.4	74.0

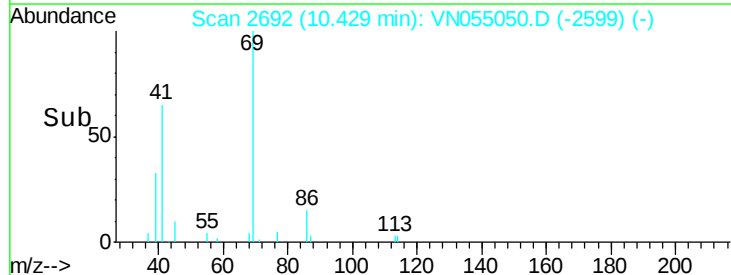
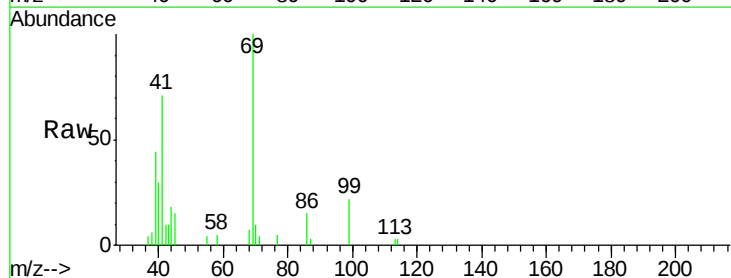
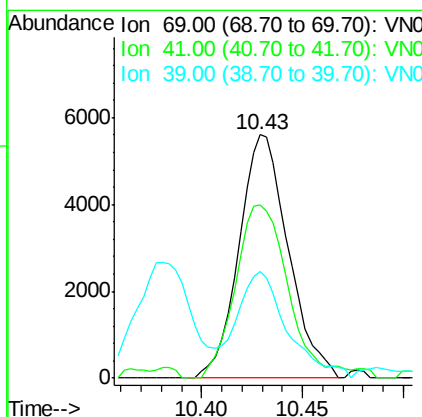
Manual Integrations
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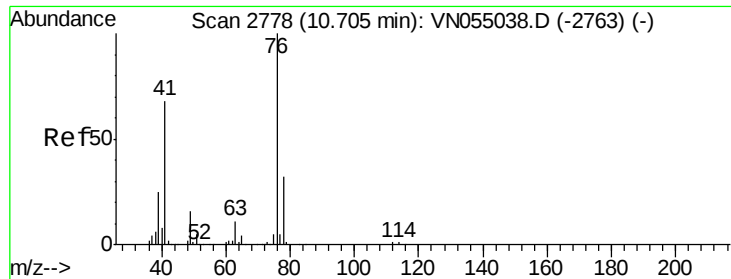
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#56
 Ethyl methacrylate
 Concen: 2.035 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055050.D
 Acq: 15 Apr 2019 18:41

Tgt Ion:	69	Resp:	9570
Ion	Ratio	Lower	Upper
69	100		
41	77.6	61.4	92.0
39	45.2	30.8	46.2





#57

1,3-Dichloropropane

Concen: 2.025 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 76 Resp: 13511

Ion Ratio Lower Upper

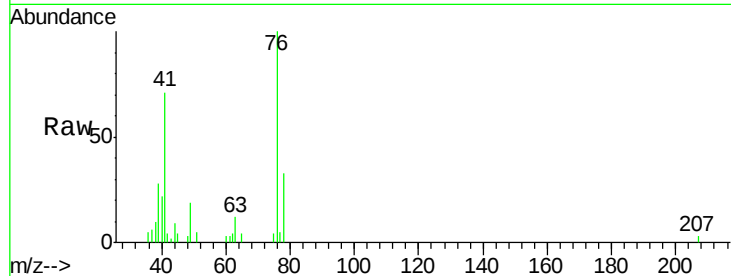
76 100

78 33.0 25.6 38.4

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

8000

6000

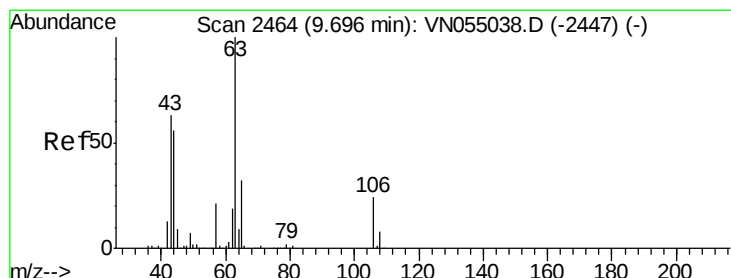
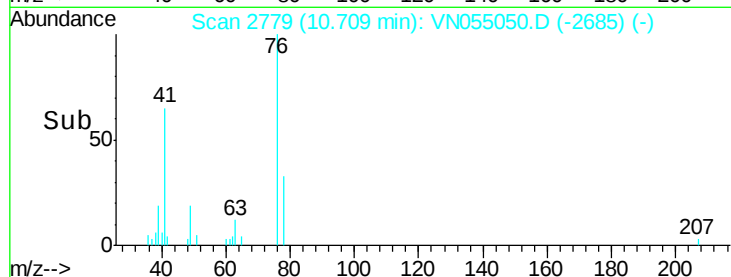
4000

2000

0

10.65 10.70 10.75 10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 9.023 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055050.D

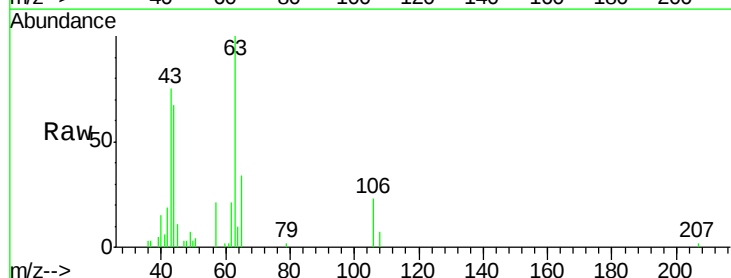
Acq: 15 Apr 2019 18:41

Tgt Ion: 63 Resp: 15662

Ion Ratio Lower Upper

63 100

106 22.9 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

8000

6000

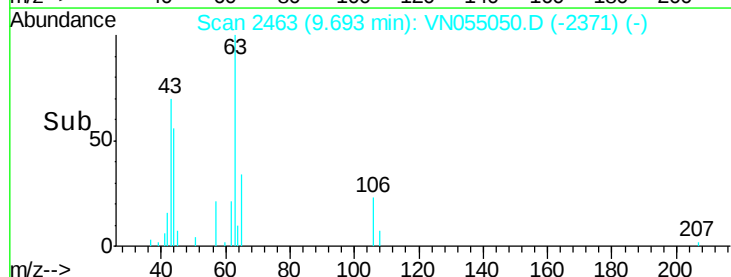
4000

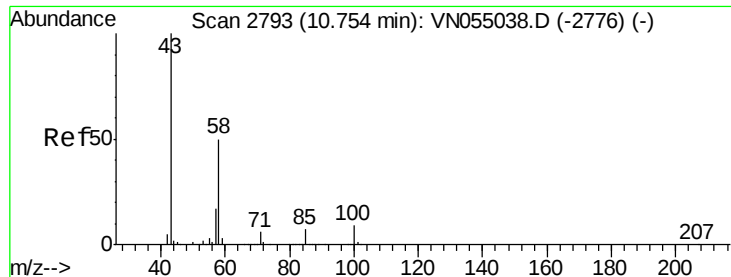
2000

0

9.65 9.70 9.75

Time-->





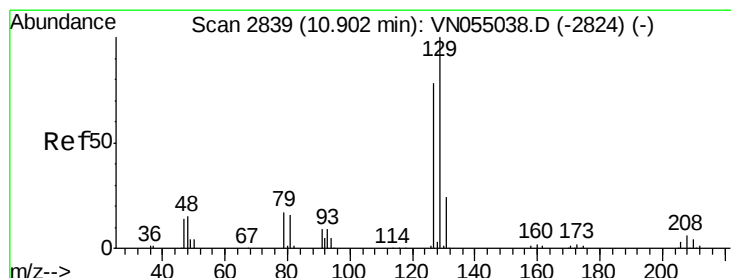
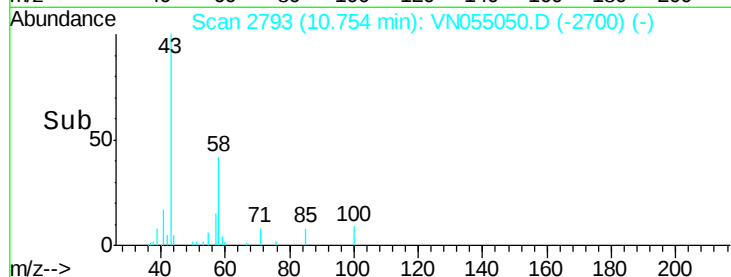
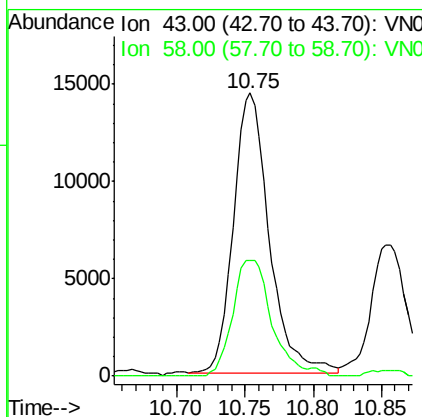
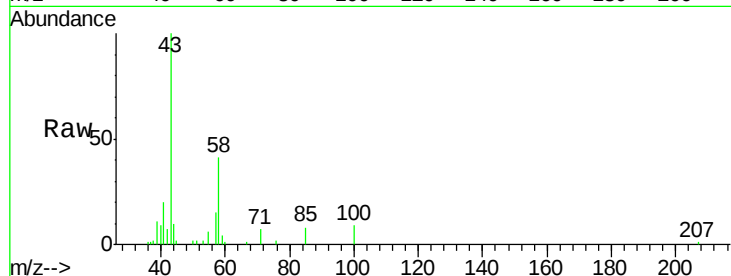
#59
2-Hexanone
Concen: 9.731 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

Tot Ion: 43 Resp: 26106
Ion Ratio Lower Upper
43 100
58 44.8 25.1 75.2

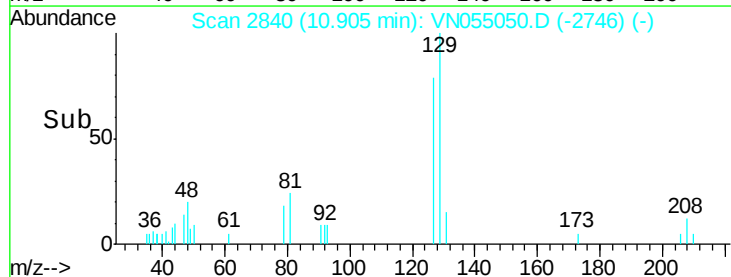
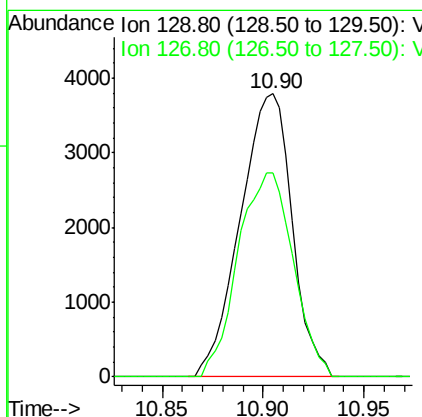
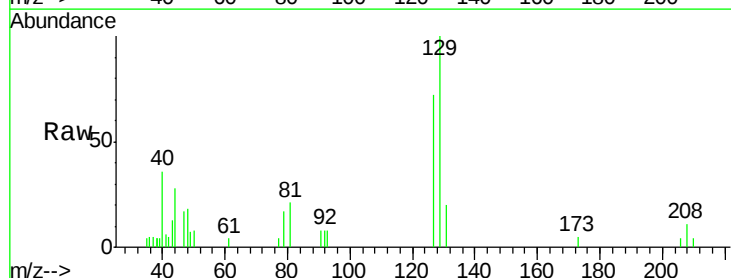
Manual Integrations
APPROVED

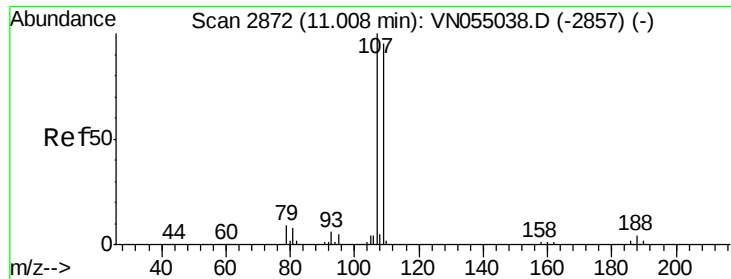
MMDadoda
4/17/2019 2:06:12 PM



#60
Dibromochloromethane
Concen: 1.780 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion: 129 Resp: 6813
Ion Ratio Lower Upper
129 100
127 76.5 38.2 114.6





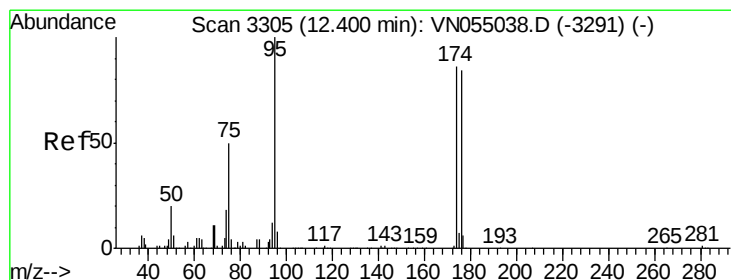
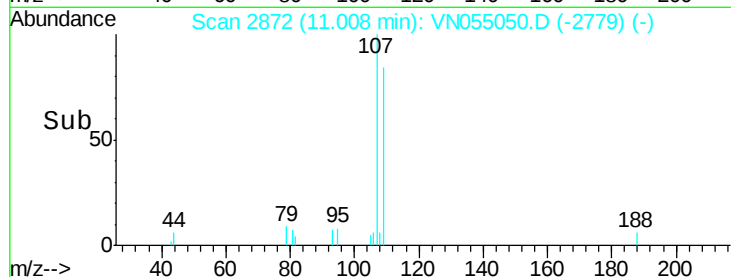
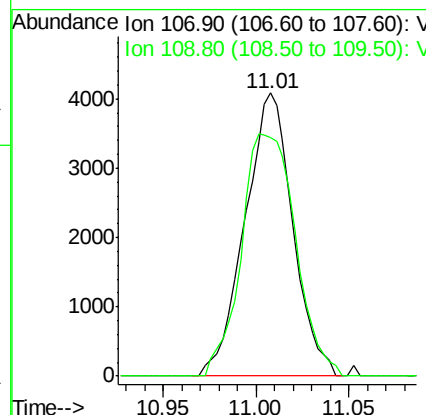
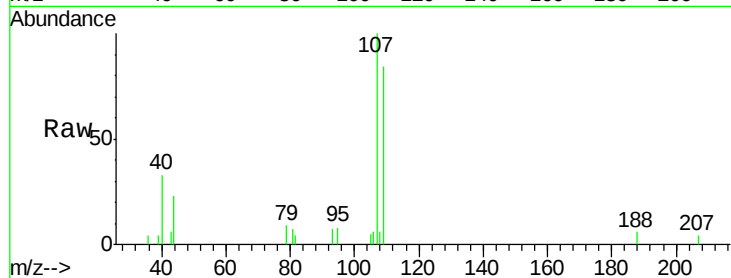
#61
 1,2-Dibromoethane
 Concen: 2.027 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055050.D
 Acq: 15 Apr 2019 18:41

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

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.8	76.5	114.7

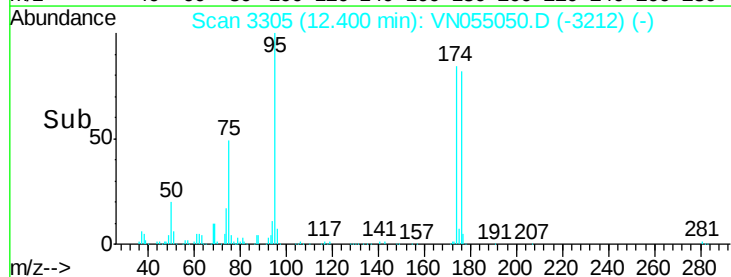
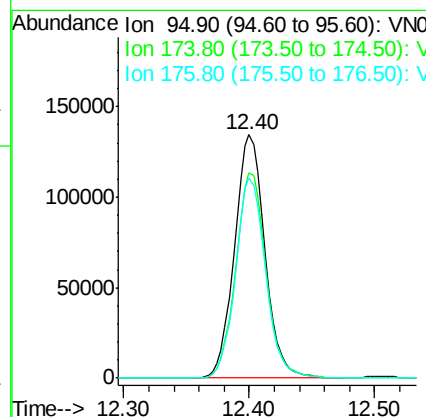
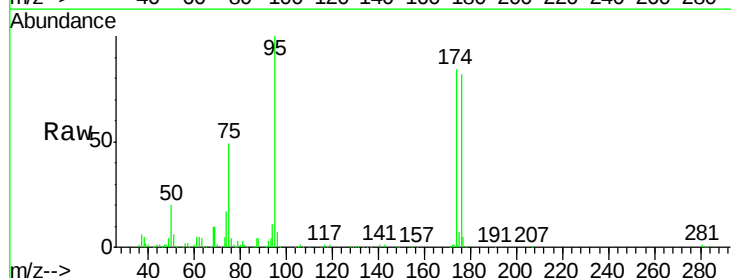
Manual Integrations
 APPROVED

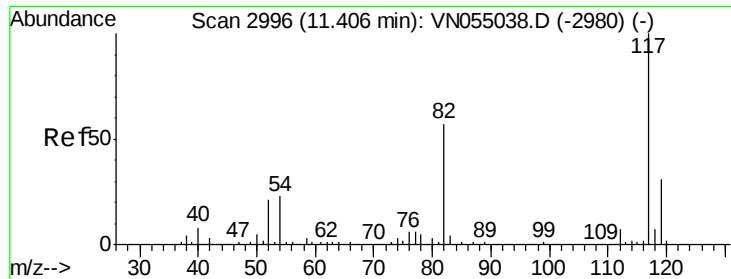
MMDadoda
 4/17/2019 2:06:12 PM



#62
 4-Bromofluorobenzene
 Concen: 46.387 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055050.D
 Acq: 15 Apr 2019 18:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	174.4
176	81.3	0.0	166.8





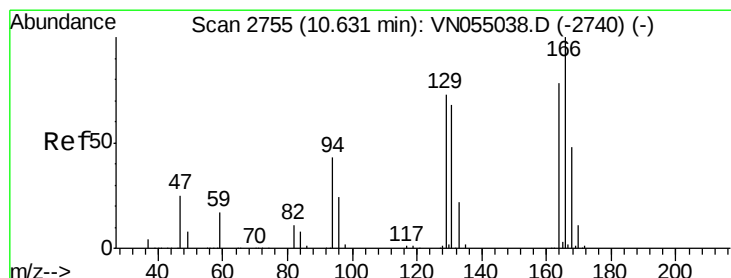
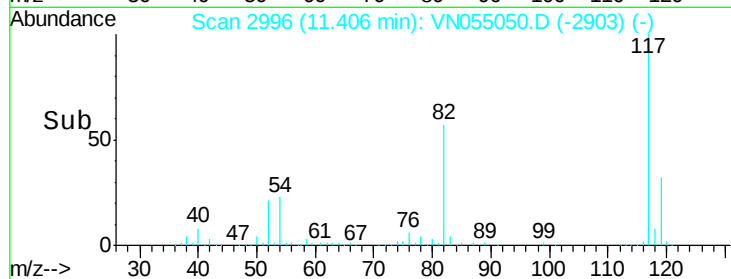
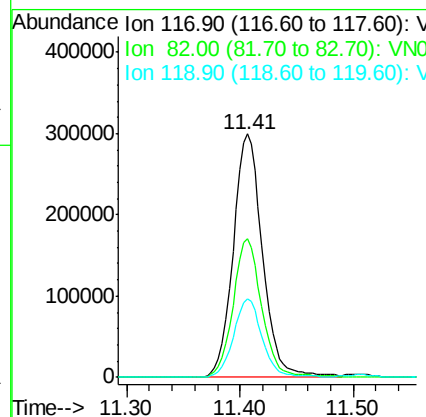
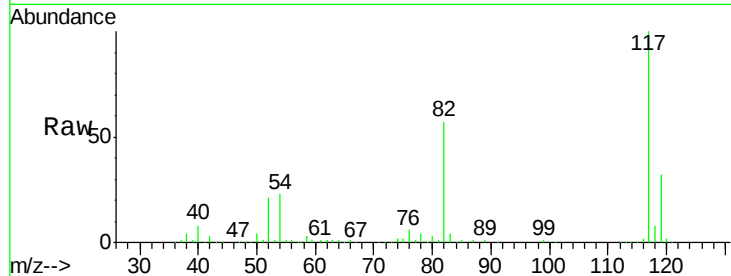
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.6	66.8
119	32.4	25.5	38.3

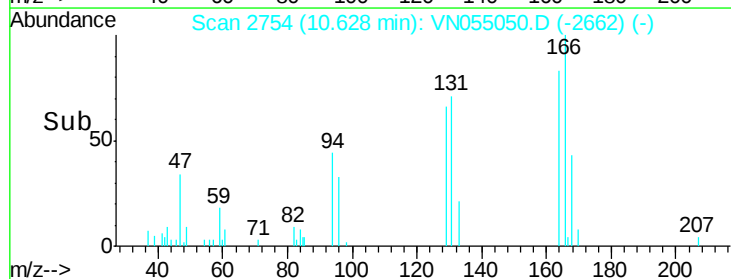
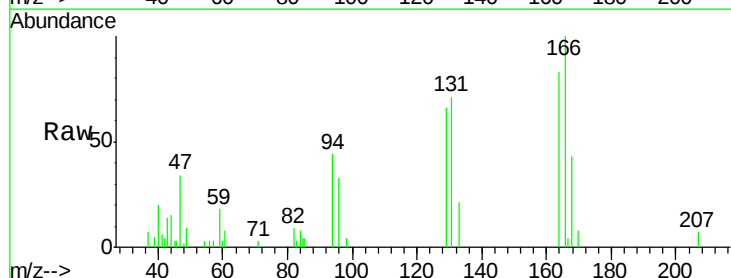
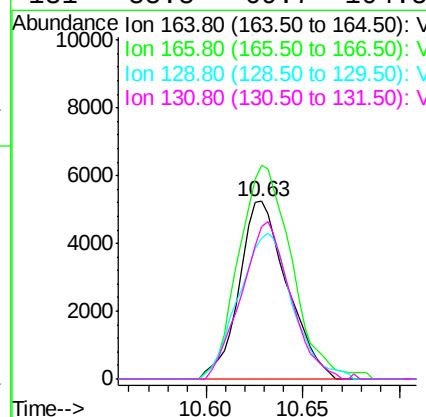
Manual Integrations
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#64
Tetrachloroethene
Concen: 2.061 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.5	100.0	150.0
129	79.7	72.0	108.0
131	85.8	69.7	104.5





#65

Chlorobenzene

Concen: 2.074 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:112 Resp: 22556

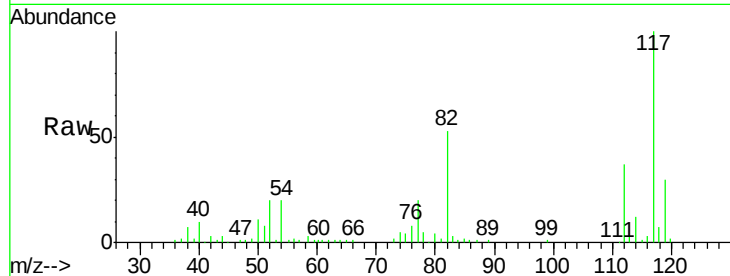
Ion Ratio Lower Upper

112 100

114 31.4 25.3 37.9

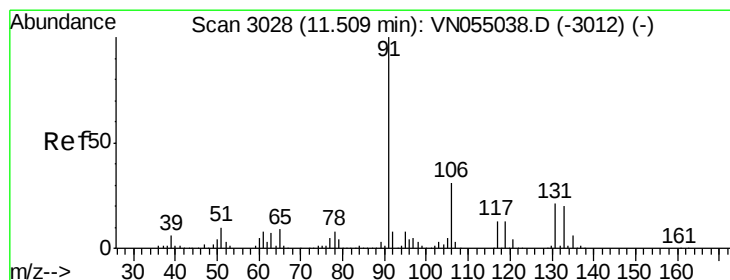
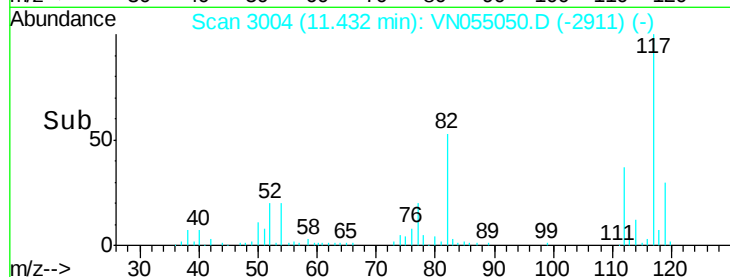
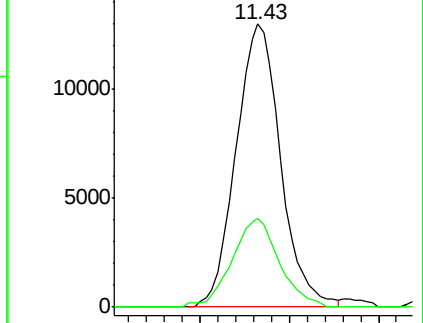
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 2.014 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

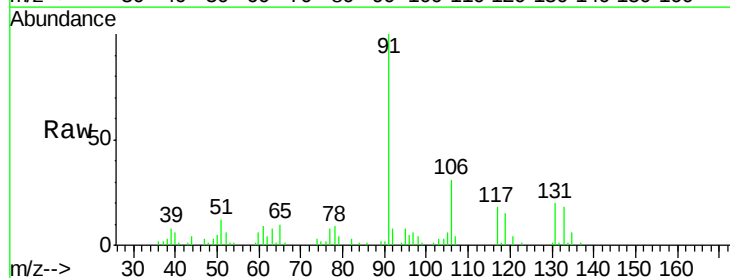
Tgt Ion:131 Resp: 8055

Ion Ratio Lower Upper

131 100

133 82.9 47.8 143.3

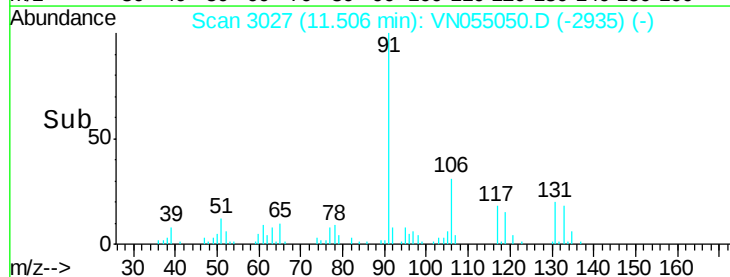
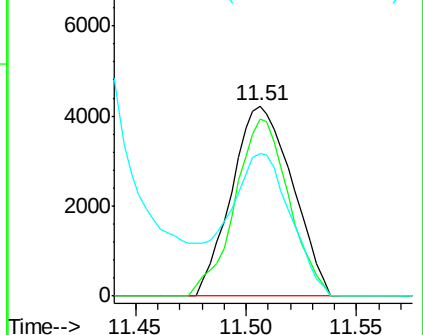
119 76.2 33.6 100.6

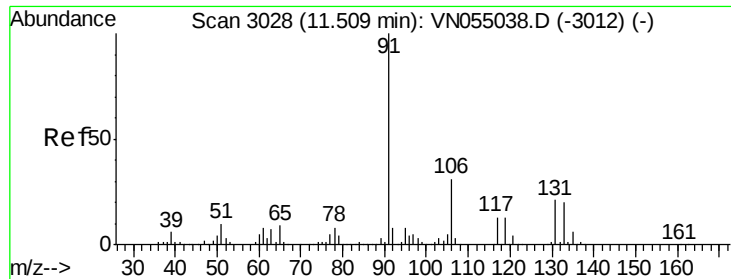


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 1.991 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 91 Resp: 38663

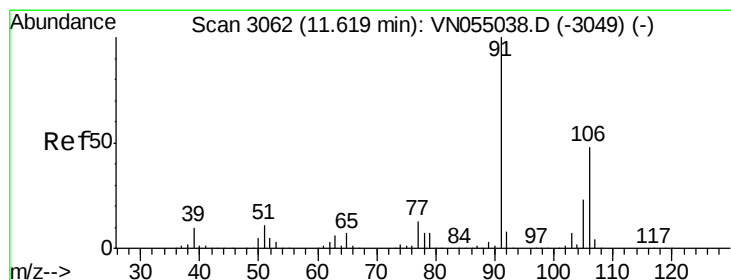
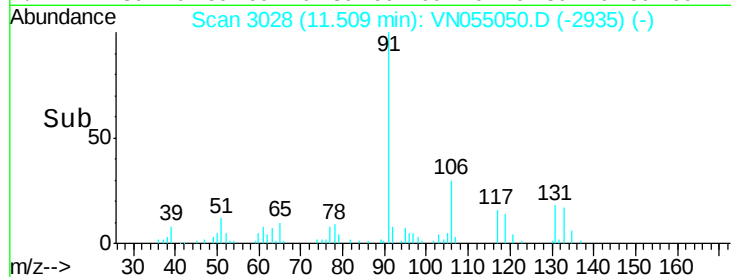
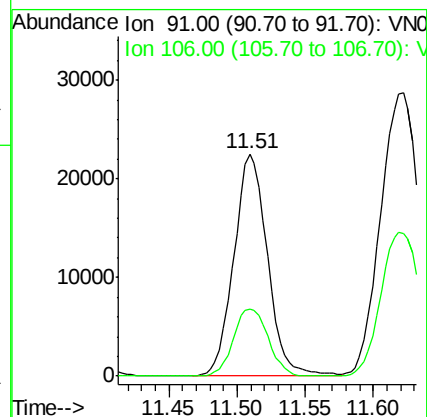
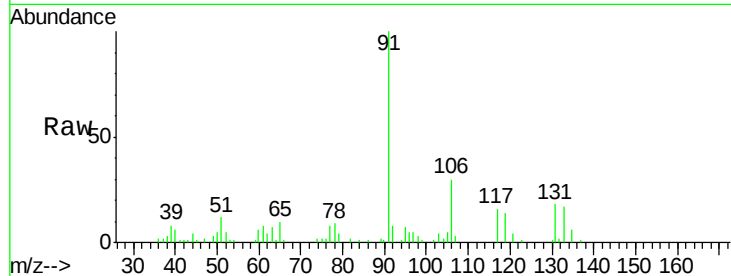
Ion Ratio Lower Upper

91 100

106 30.0 24.3 36.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 4.230 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055050.D

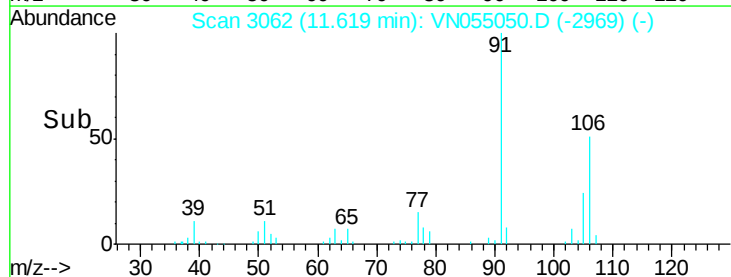
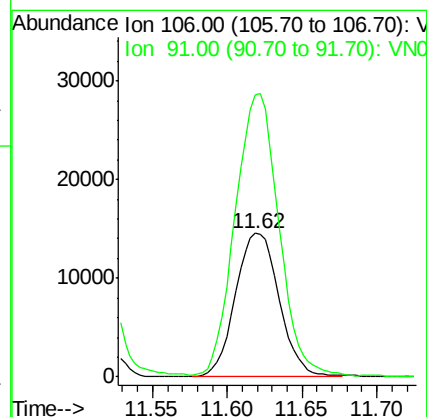
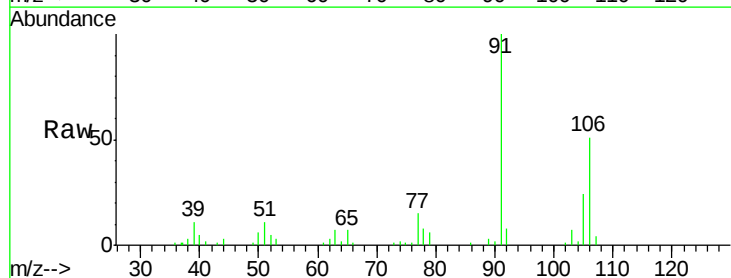
Acq: 15 Apr 2019 18:41

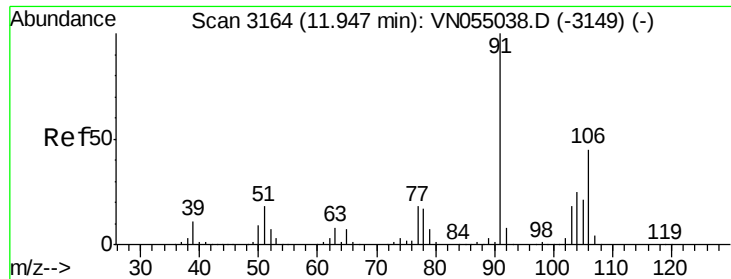
Tgt Ion: 106 Resp: 29746

Ion Ratio Lower Upper

106 100

91 197.1 165.9 248.9





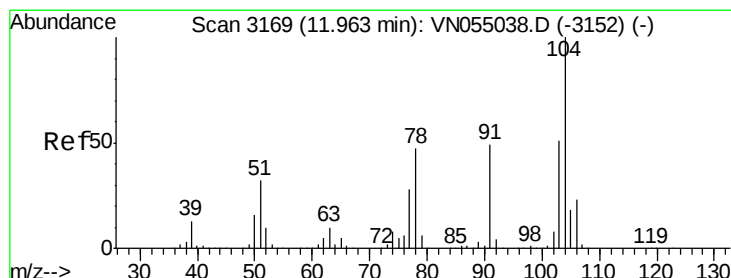
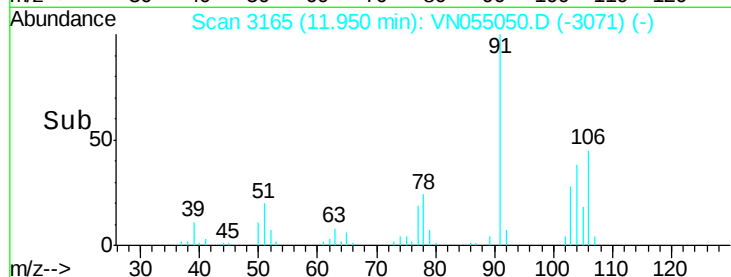
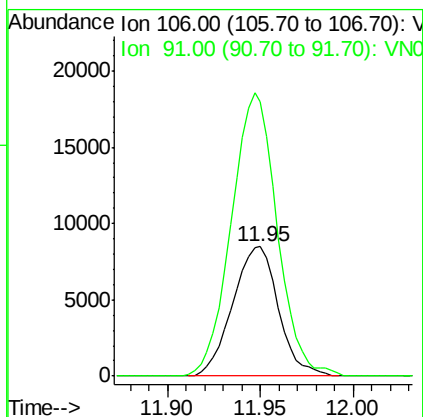
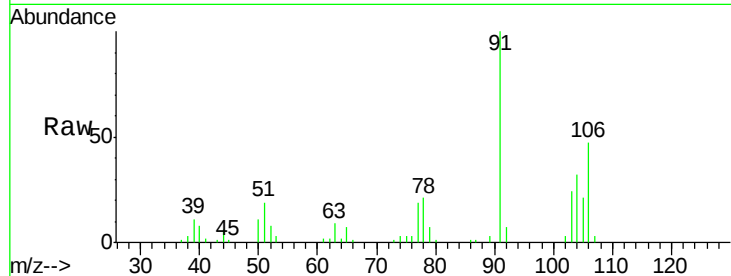
#69
o-Xylene
Concen: 2.135 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

Tot Ion:106 Resp: 14539
Ion Ratio Lower Upper
106 100
91 217.8 109.9 329.8

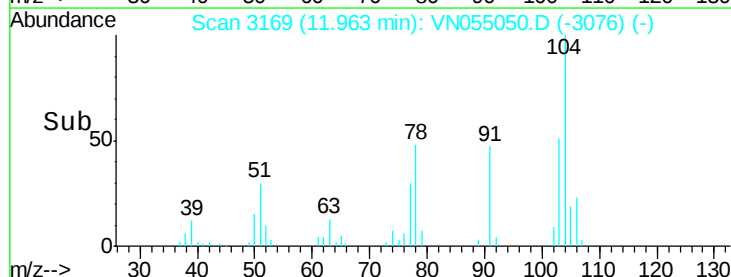
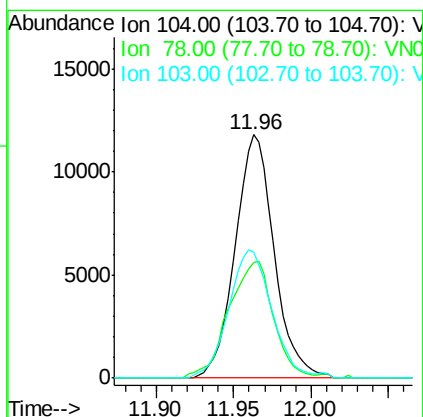
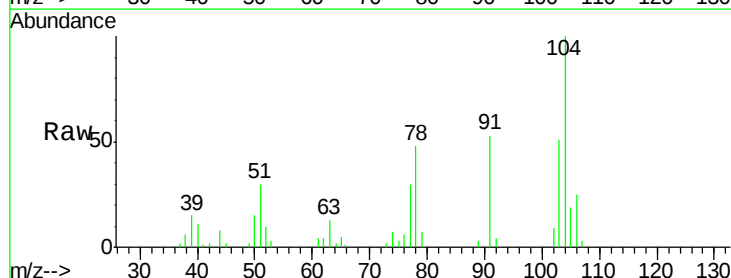
Manual Integrations
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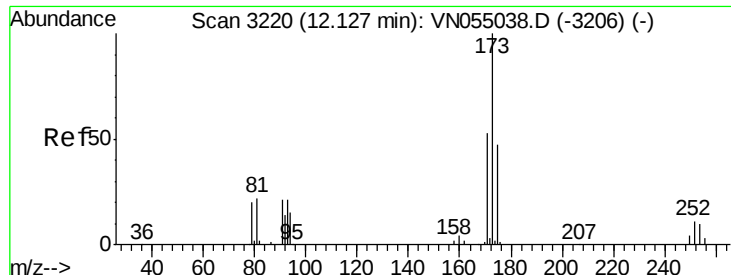
MMDadoda
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#70
Styrene
Concen: 1.880 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion:104 Resp: 20729
Ion Ratio Lower Upper
104 100
78 55.0 40.3 60.5
103 58.3 44.3 66.5





#71

Bromoform

Concen: 1.727 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:173 Resp: 3959

Ion Ratio Lower Upper

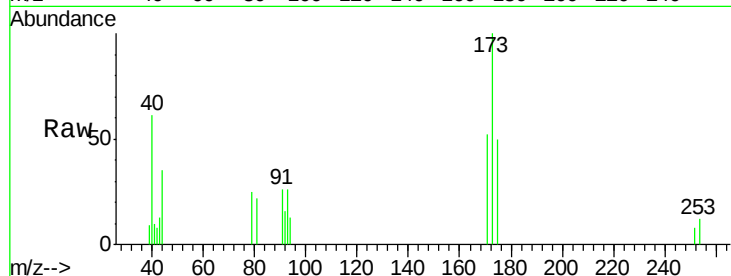
173 100

175 46.8 24.3 73.0

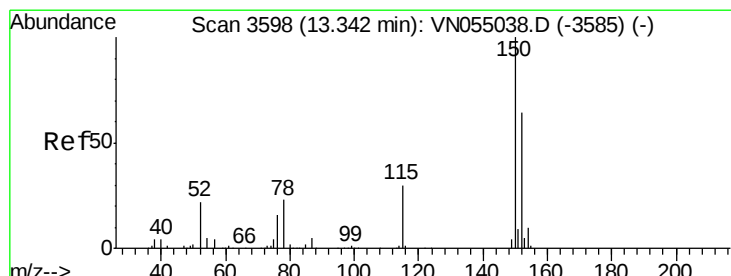
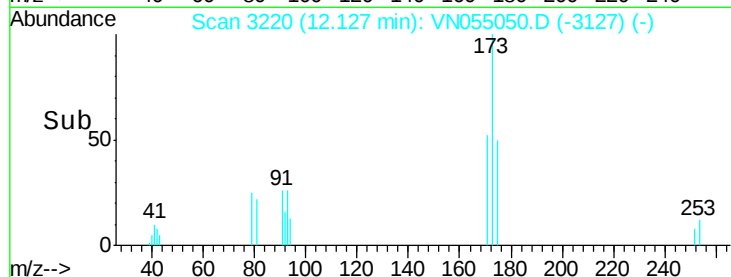
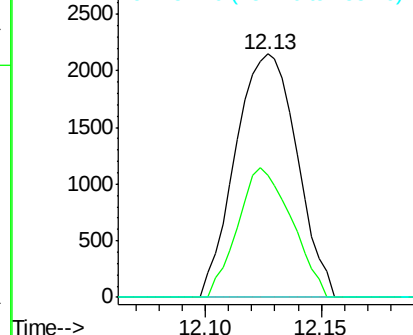
254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

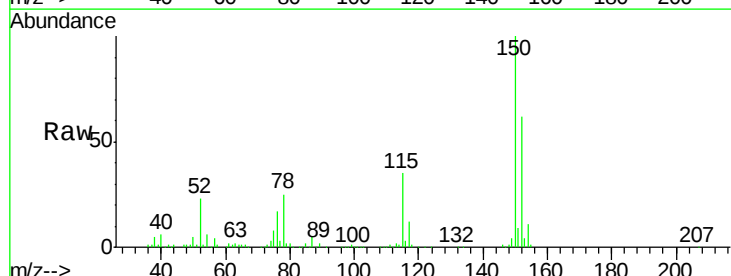
Tgt Ion:152 Resp: 172415

Ion Ratio Lower Upper

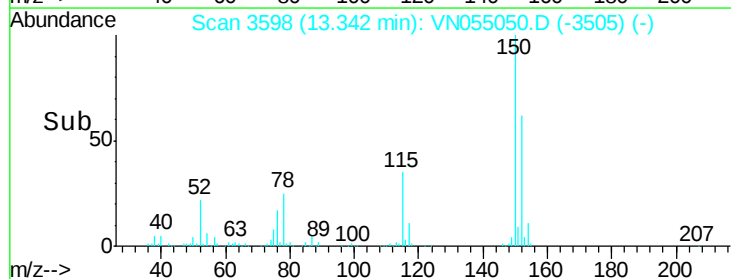
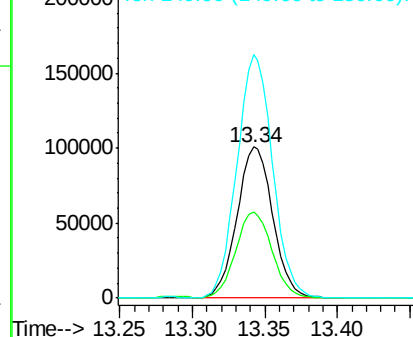
152 100

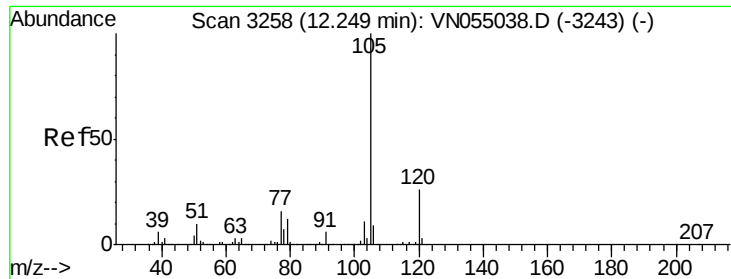
115 58.1 28.5 85.6

150 160.3 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





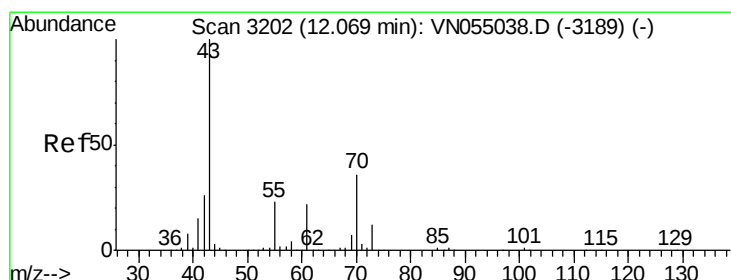
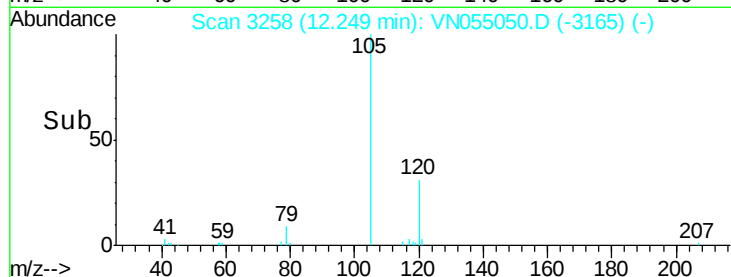
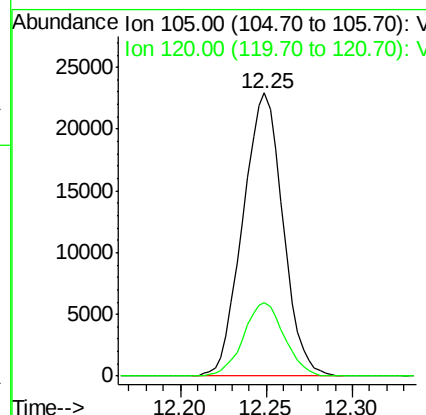
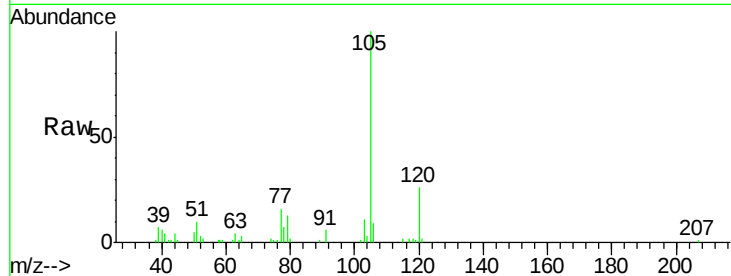
#73
Isopropylbenzene
Concen: 2.421 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.3	39.9

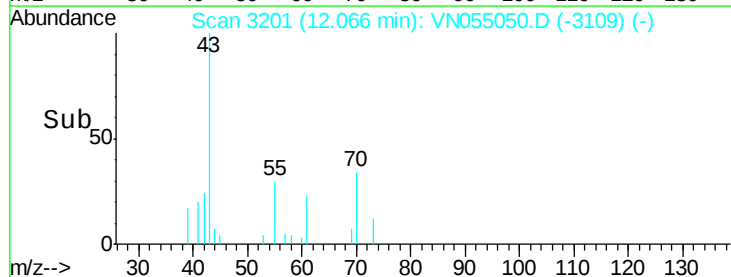
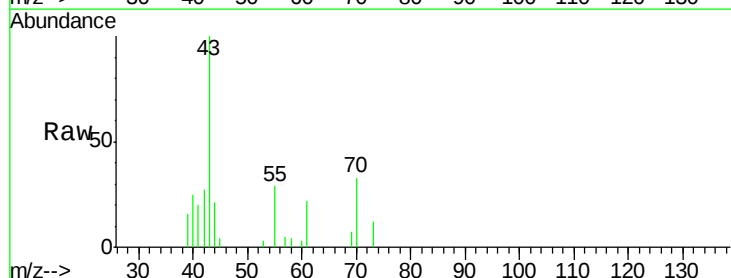
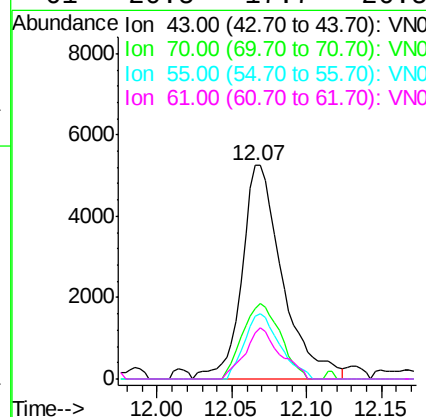
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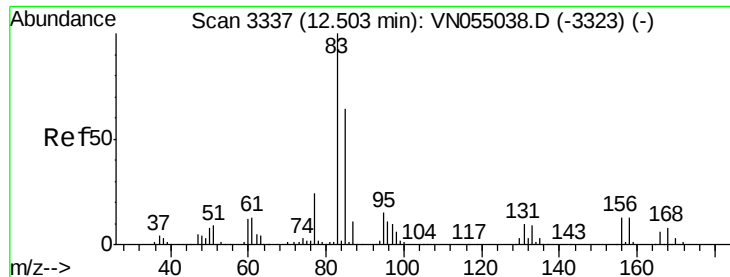
MMDadoda
4/17/2019 2:06:12 PM



#74
N-ethyl acetate
Concen: 2.308 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	32.8	29.4	44.0
55	26.5	19.0	28.4
61	20.5	17.7	26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 2.194 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

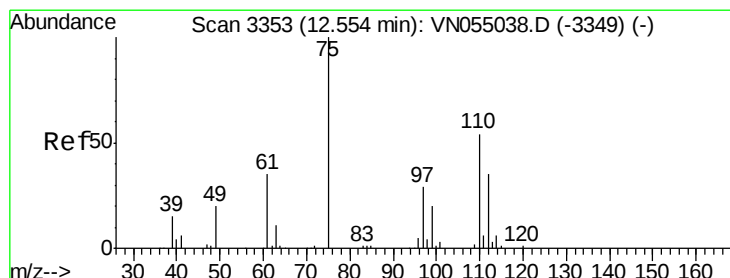
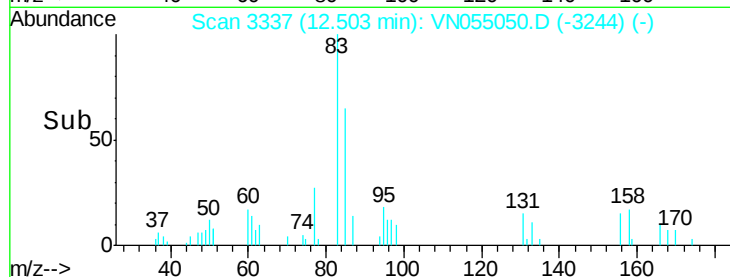
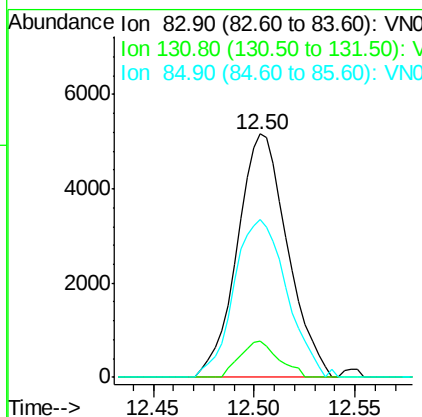
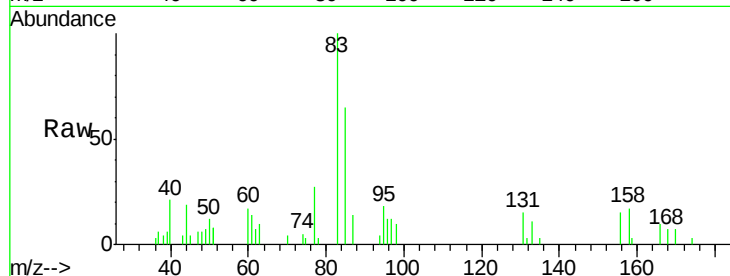
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	83	Resp:	8980
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.0	15.0
85	68.3	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 2.503 ug/l m

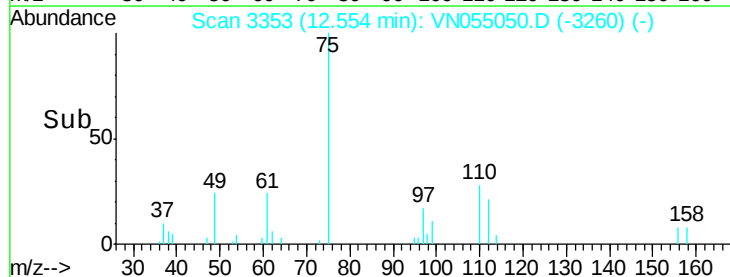
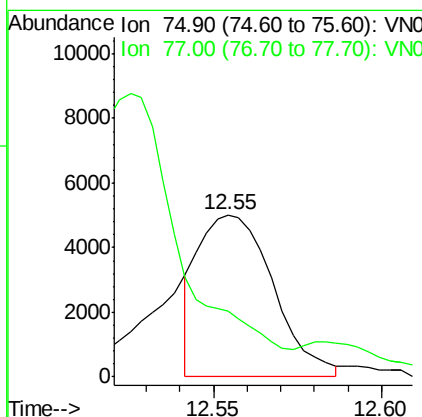
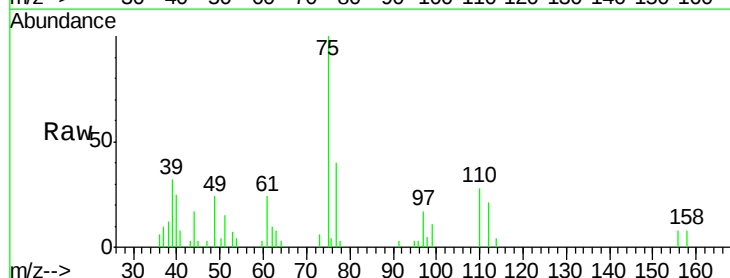
RT: 12.55 min Scan# 3353

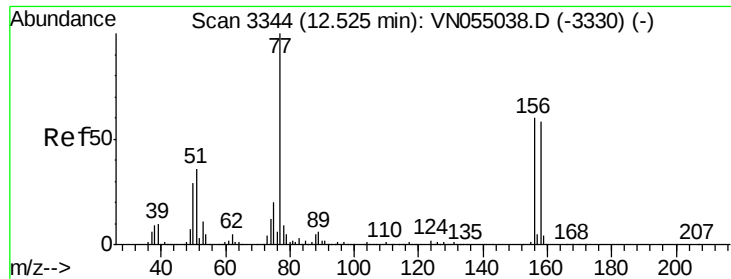
Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Tgt Ion:	75	Resp:	7761
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.327 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

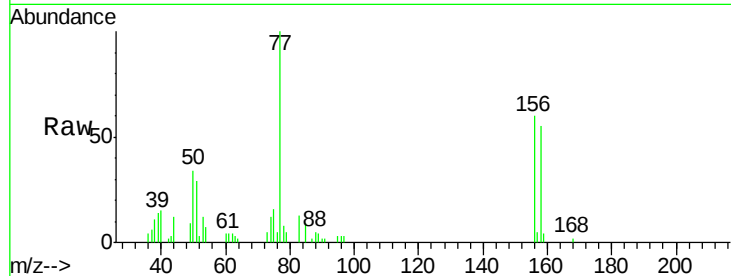
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	156	Resp:	8876
Ion	Ratio	Lower	Upper
156	100		
77	200.7	97.2	291.5
158	94.1	48.6	145.9

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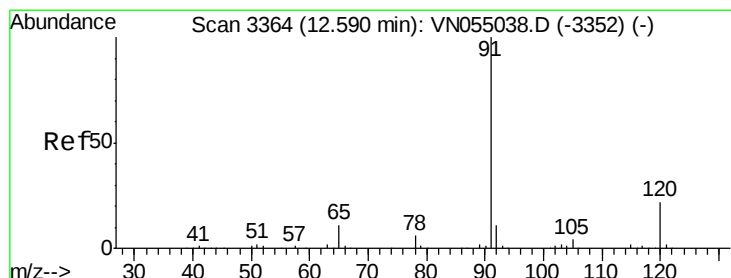
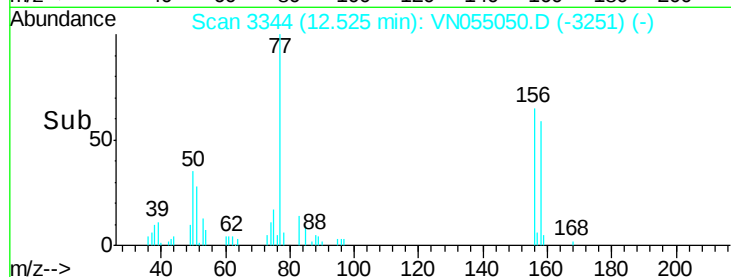
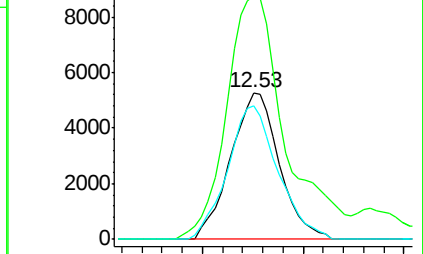
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.294 ug/l

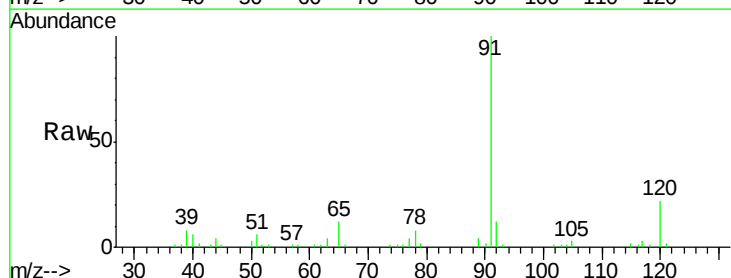
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055050.D

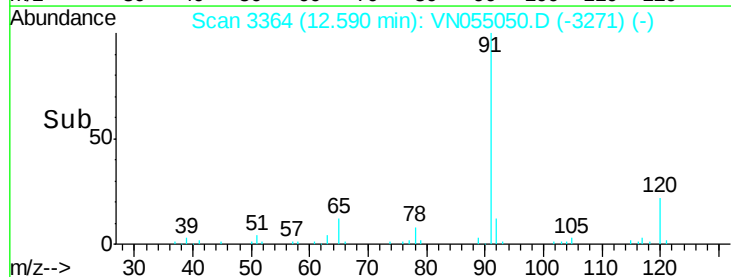
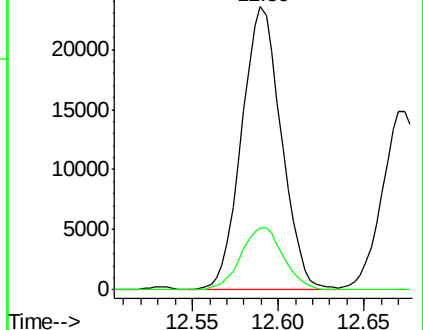
Acq: 15 Apr 2019 18:41

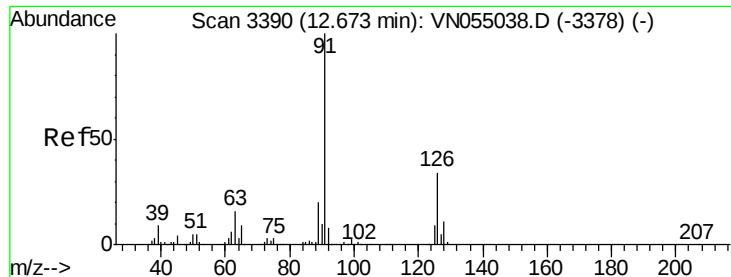
Tgt Ion:	91	Resp:	37912
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.471 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 91 Resp: 25481

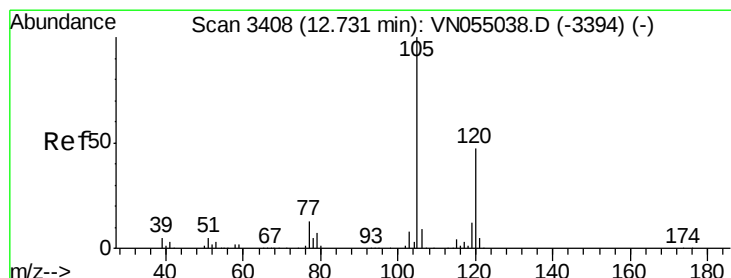
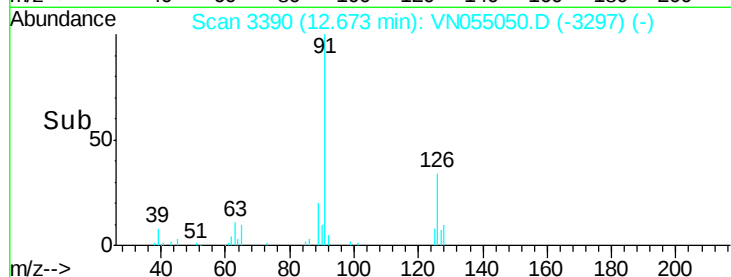
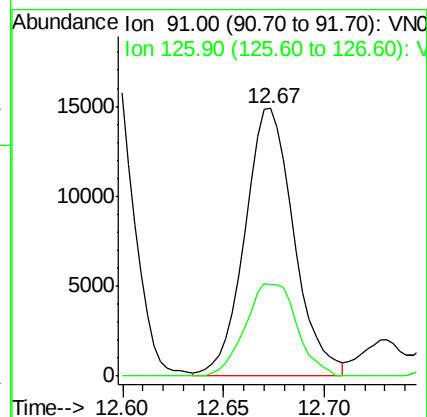
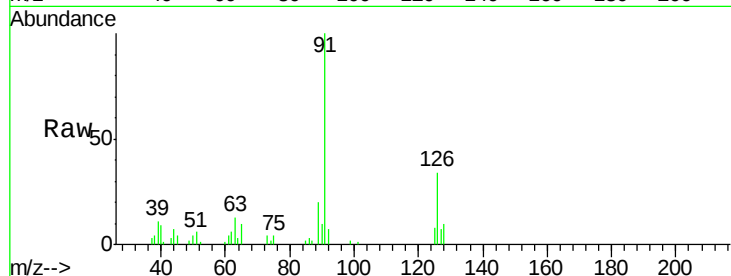
Ion Ratio Lower Upper

91 100

126 36.1 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 2.374 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055050.D

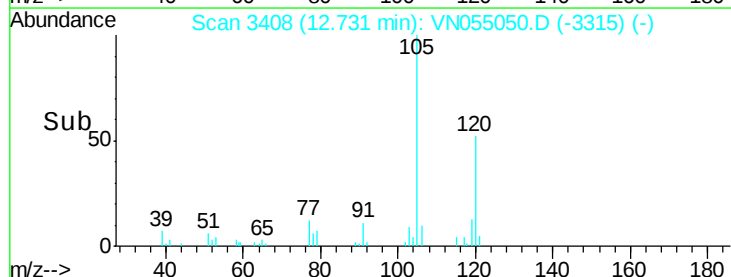
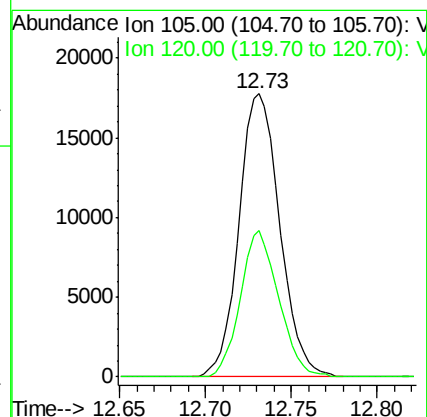
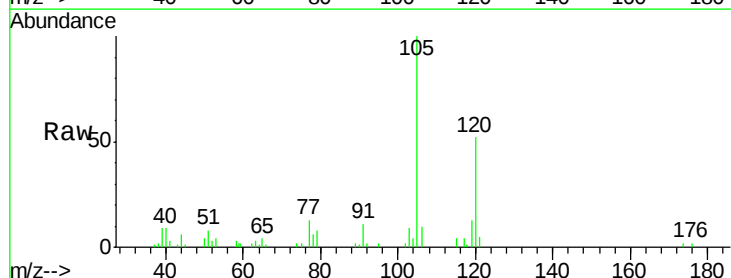
Acq: 15 Apr 2019 18:41

Tgt Ion: 105 Resp: 29317

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 1.852 ug/l m

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

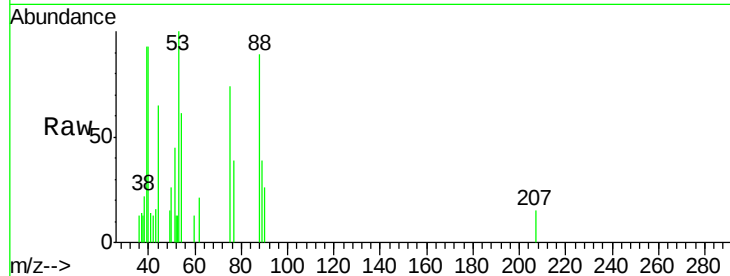
ClientSampleId :

LOQ-WATER-02-QT2-2019

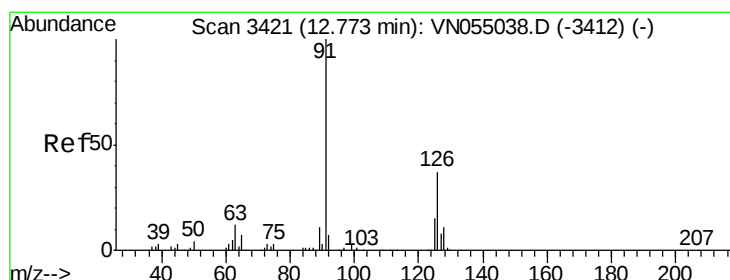
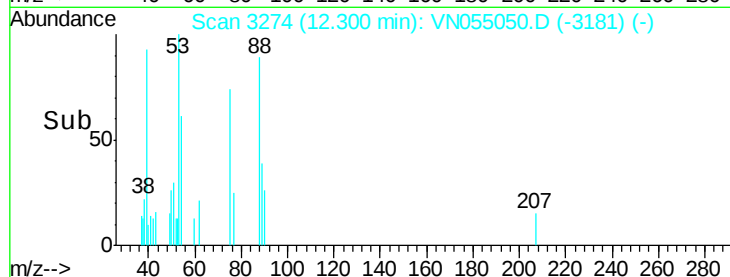
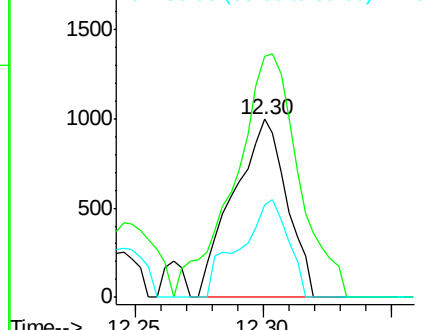
Tot Ion:	75	Resp:	1436
Ion	Ratio	Lower	Upper
75	100		
53	0.0	96.3	144.5#
89	0.0	38.6	57.8#

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VN055050.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 2.312 ug/l

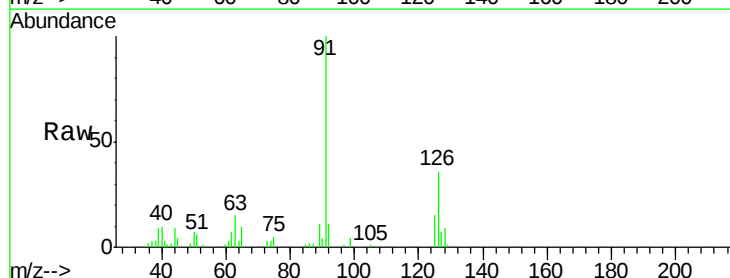
RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

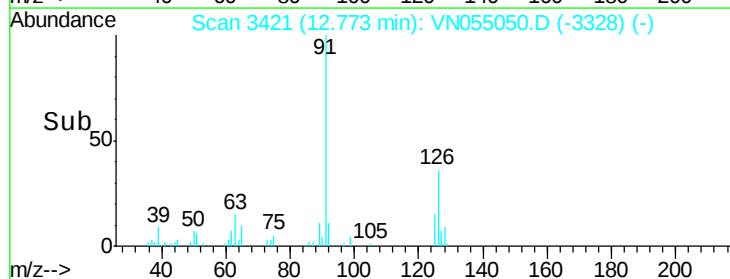
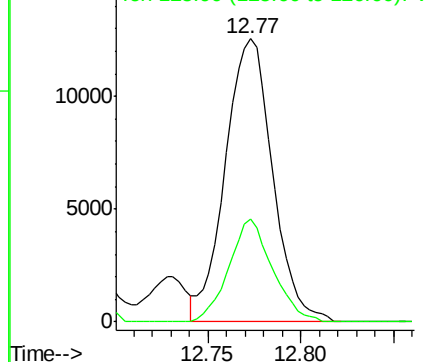
Lab File: VN055050.D

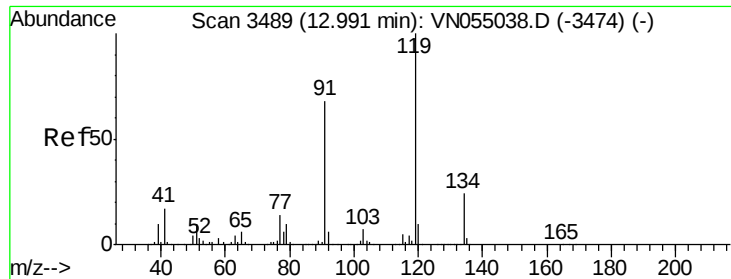
Acq: 15 Apr 2019 18:41

Tgt Ion:	91	Resp:	22239
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.4	49.2



Abundance Ion 91.00 (90.70 to 91.70): VN055050.D (-3328) (-)





#83

tert-Butylbenzene

Concen: 2.477 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

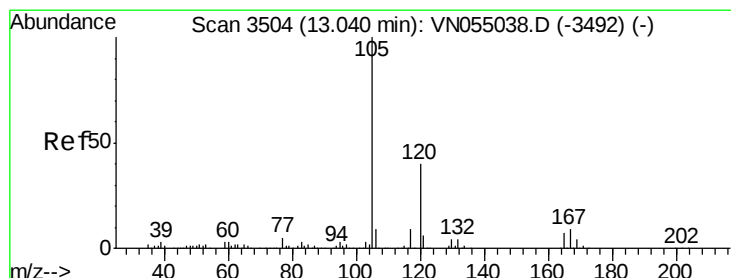
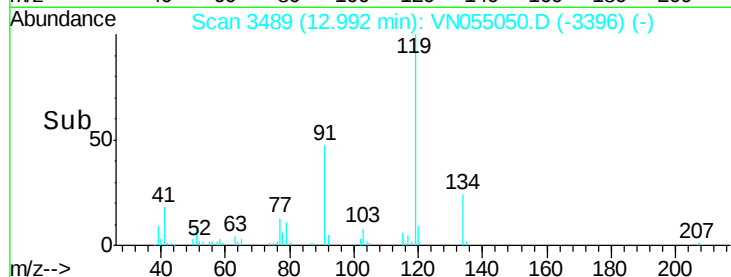
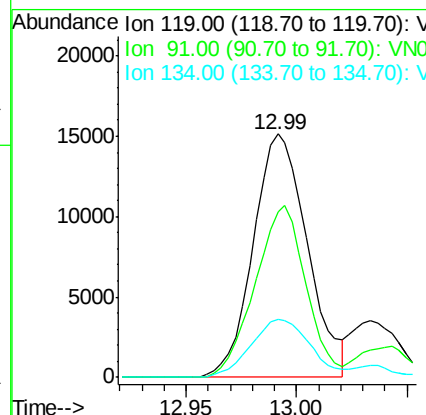
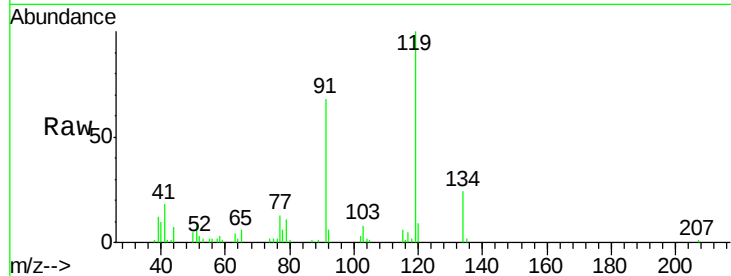
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	119	Resp:	25827
Ion Ratio	Lower	Upper	
119	100		
91	66.1	33.3	99.8
134	25.8	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 2.147 ug/l

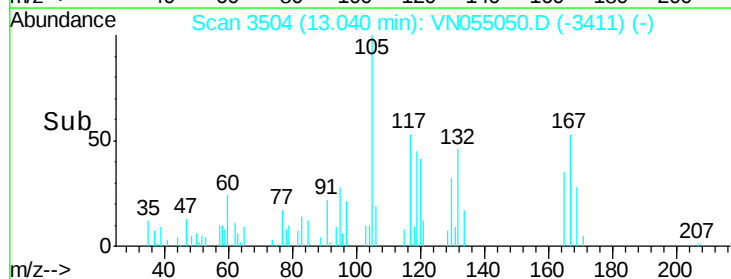
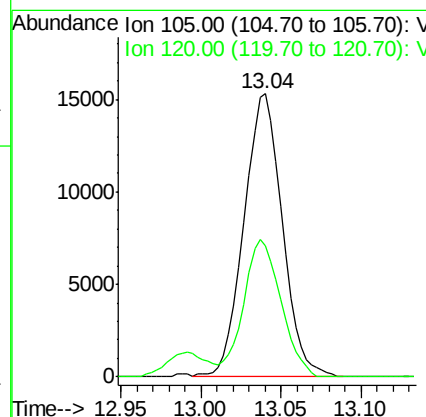
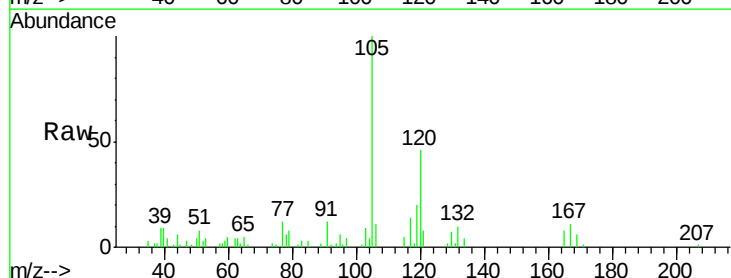
RT: 13.04 min Scan# 3504

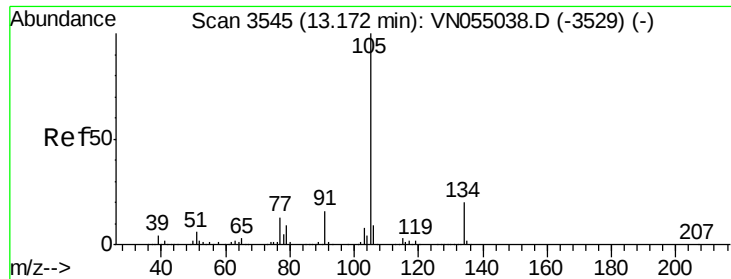
Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Tgt Ion:	105	Resp:	25117
Ion Ratio	Lower	Upper	
105	100		
120	47.1	22.4	67.3





#85

sec-Butylbenzene

Concen: 2.261 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:105 Resp: 30042

Ion Ratio Lower Upper

105 100

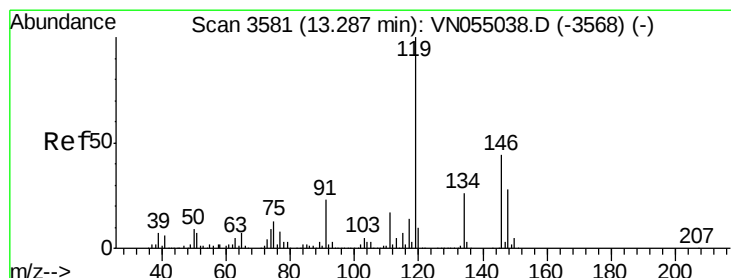
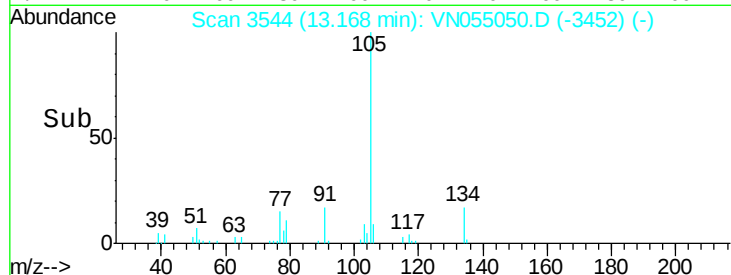
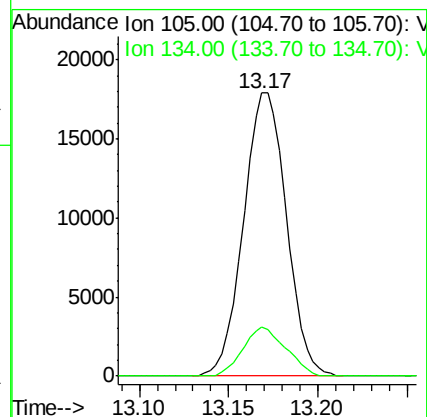
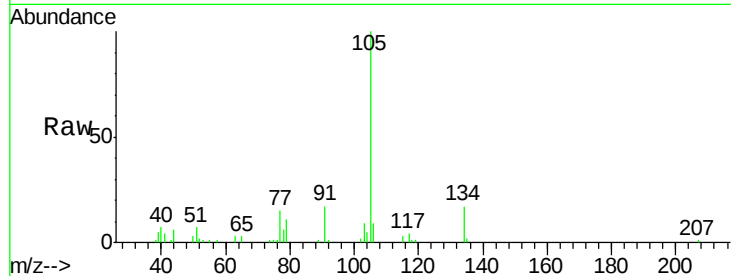
134 17.3 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 2.157 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

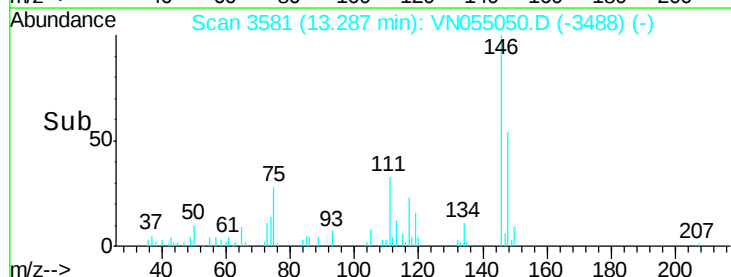
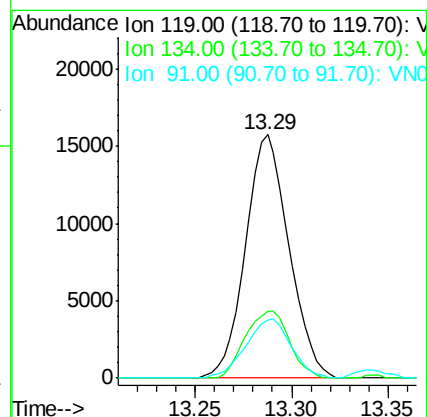
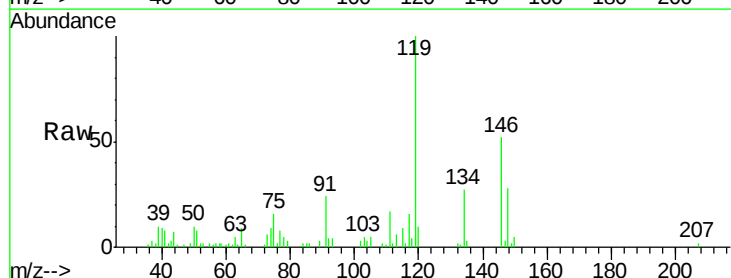
Tgt Ion:119 Resp: 24582

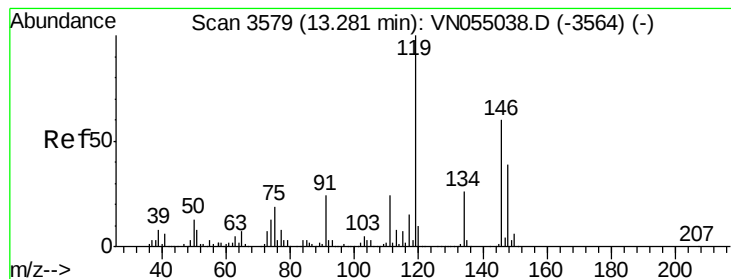
Ion Ratio Lower Upper

119 100

134 27.9 13.2 39.5

91 25.2 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 2.433 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

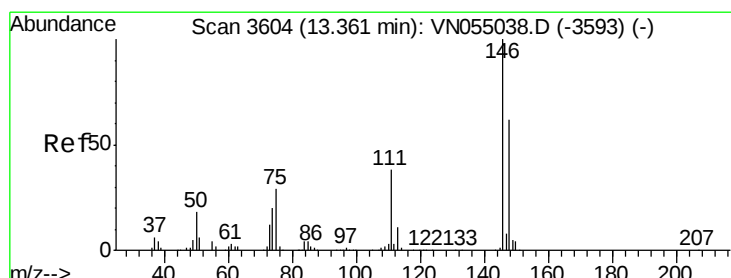
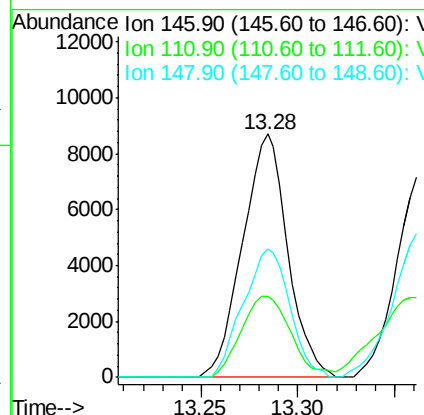
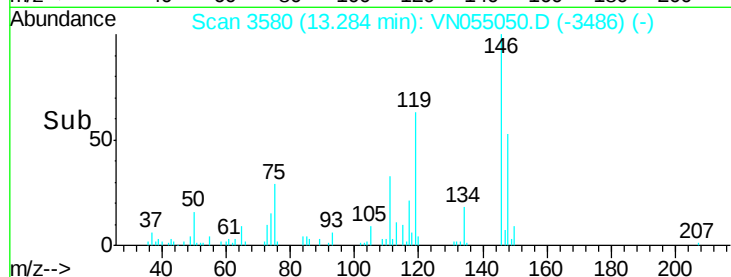
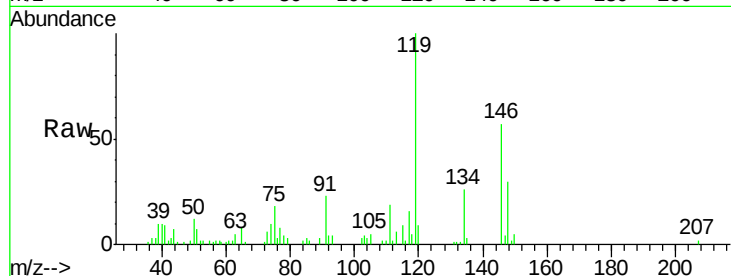
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	146	Resp:	14107
Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.5	58.5
148	54.4	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 2.130 ug/l m

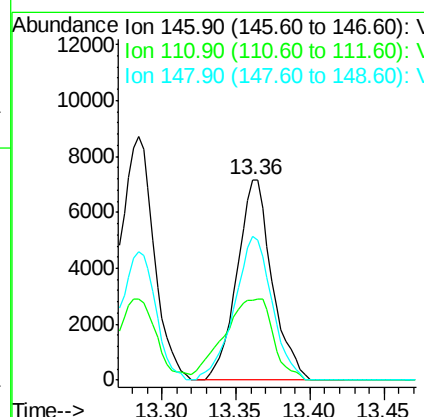
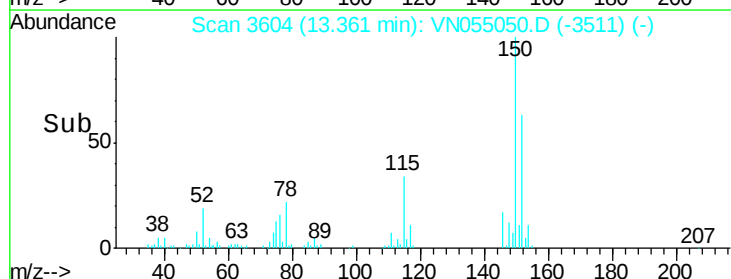
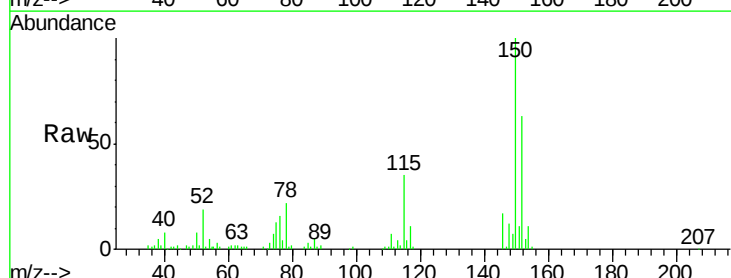
RT: 13.36 min Scan# 3604

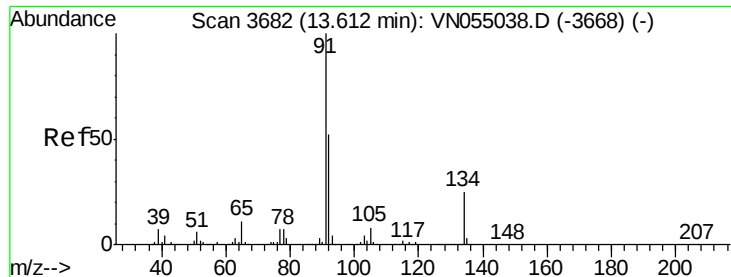
Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Tgt Ion:	146	Resp:	11775
Ion	Ratio	Lower	Upper
146	100		
111	44.1	18.8	56.4
148	65.1	32.4	97.2





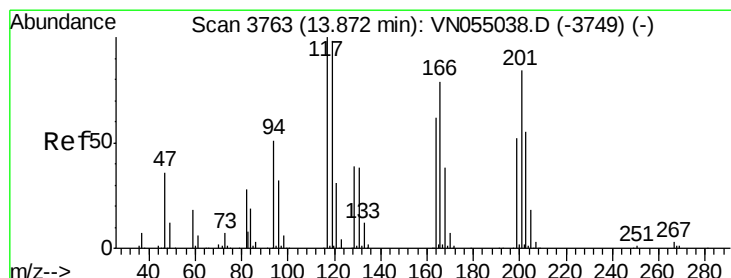
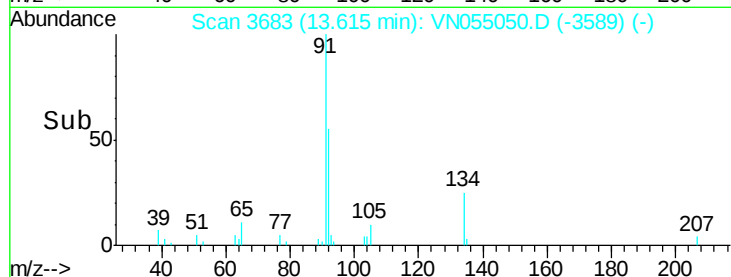
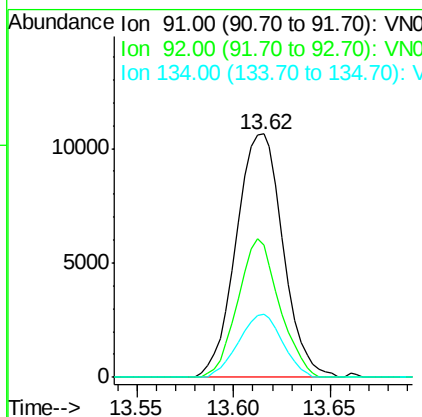
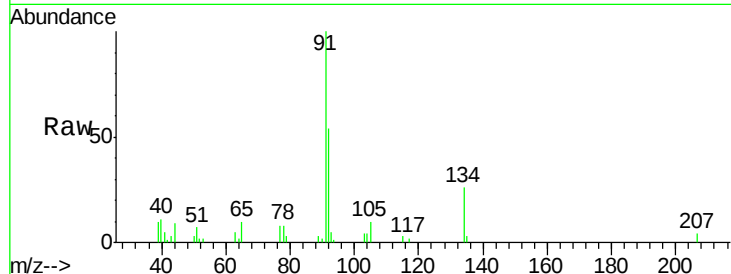
#89
n-Butylbenzene
Concen: 2.116 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.9	77.7
134	24.2	12.8	38.3

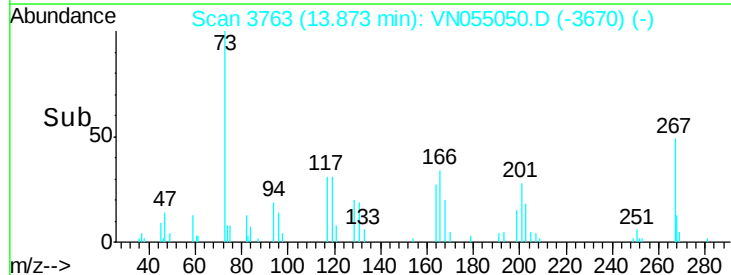
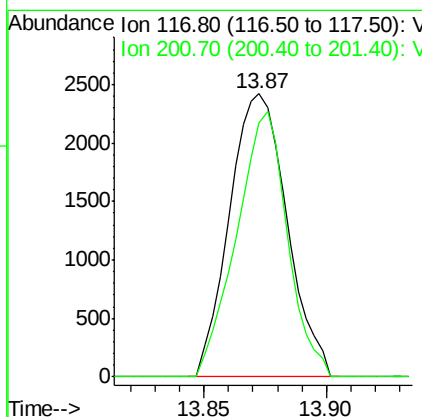
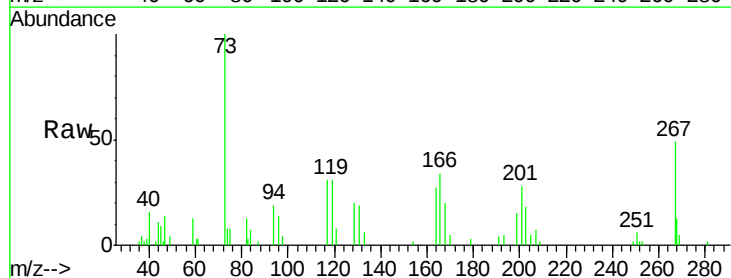
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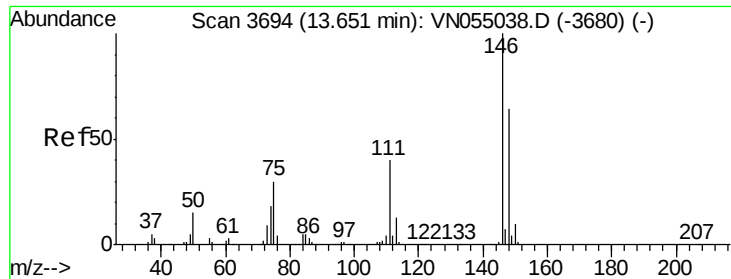
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#90
Hexachloroethane
Concen: 2.135 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055050.D
Acq: 15 Apr 2019 18:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.7	43.4	130.2





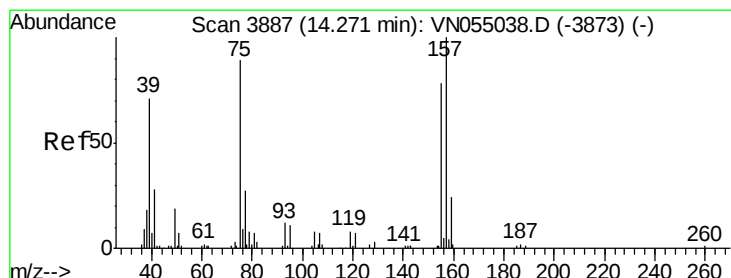
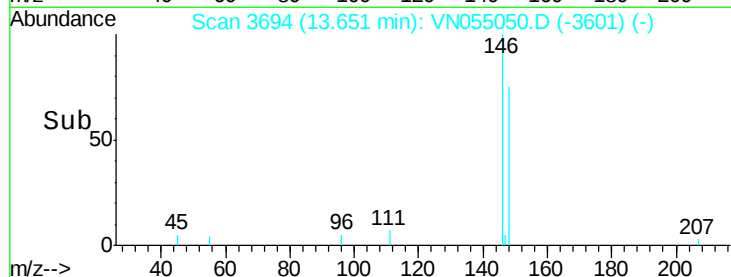
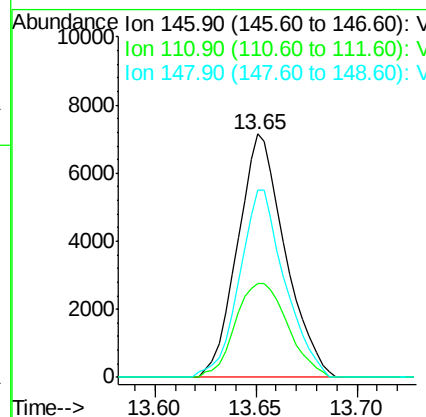
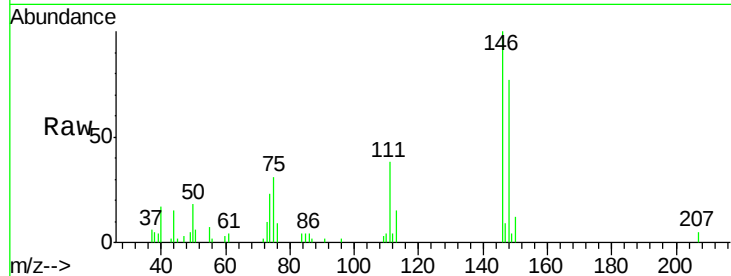
#91
 1,2-Dichlorobenzene
 Concen: 2.011 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055050.D
 Acq: 15 Apr 2019 18:41

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.3	60.9
148	74.0	32.2	96.6

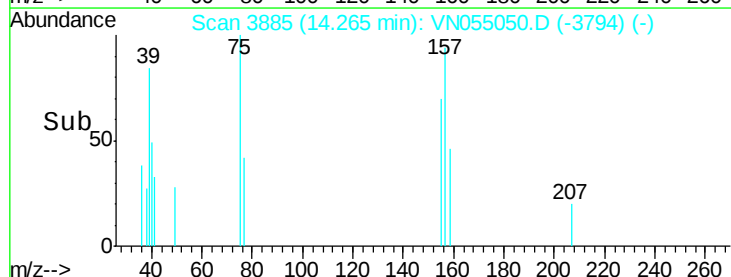
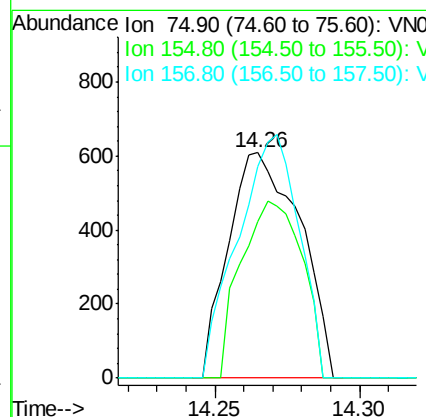
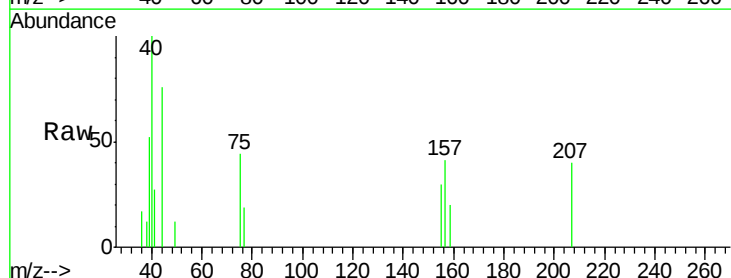
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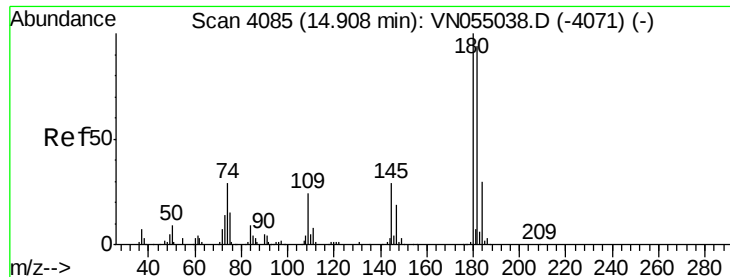
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.073 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.01 min
 Lab File: VN055050.D
 Acq: 15 Apr 2019 18:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.7	42.0	126.0
157	92.5	52.1	156.4





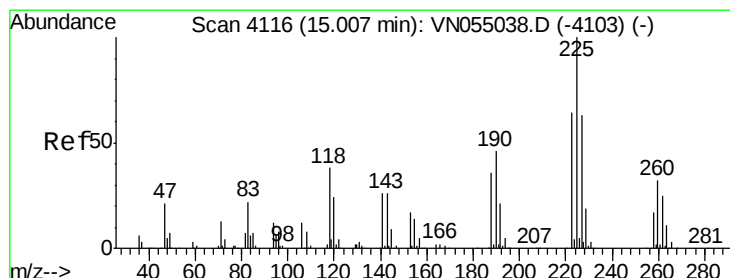
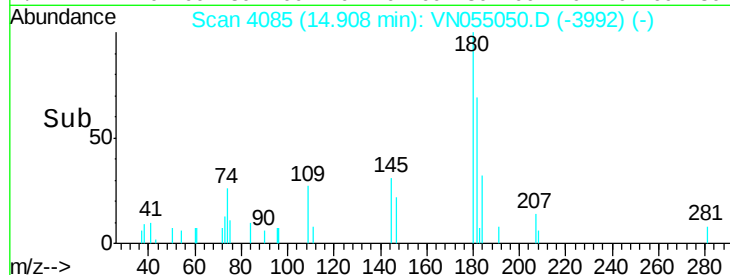
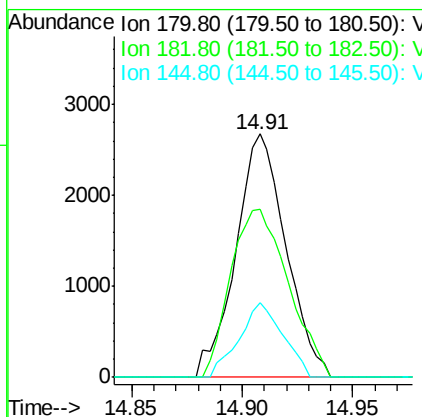
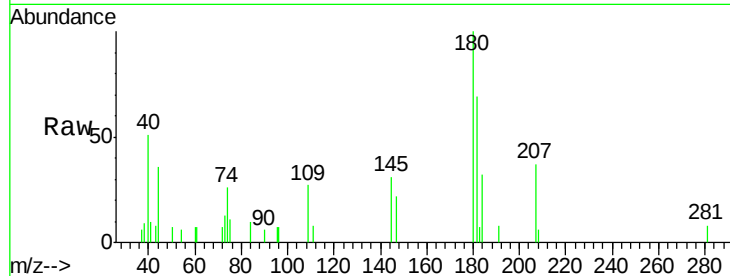
#93
 1,2,4-Trichlorobenzene
 Concen: 1.894 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055050.D
 Acq: 15 Apr 2019 18:41

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	79.6	47.5	142.6
145	26.9	14.2	42.8

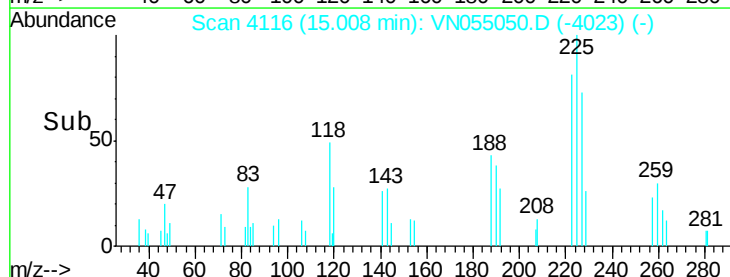
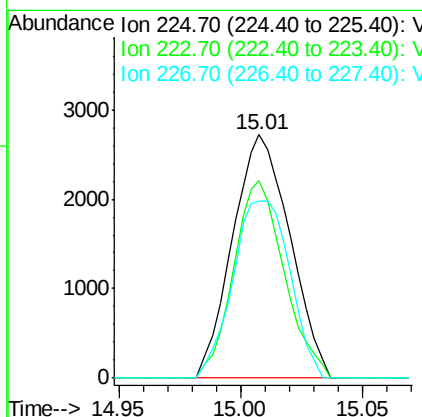
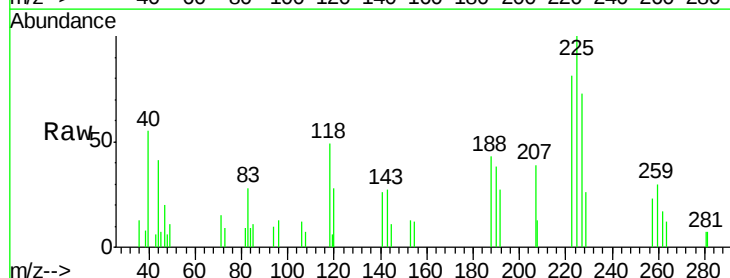
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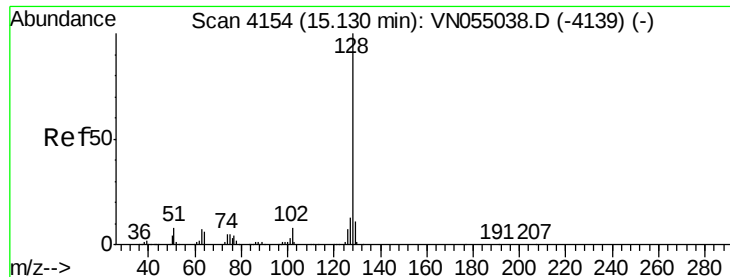
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#94
 Hexachlorobutadiene
 Concen: 2.460 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055050.D
 Acq: 15 Apr 2019 18:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	71.5	31.4	94.0
227	72.6	32.6	97.7





#95

Naphthalene

Concen: 1.664 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Instrument :

MSVOA_N

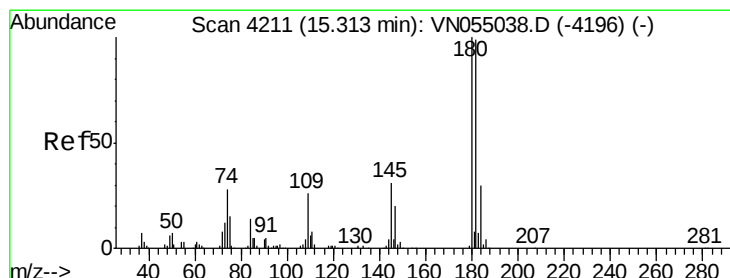
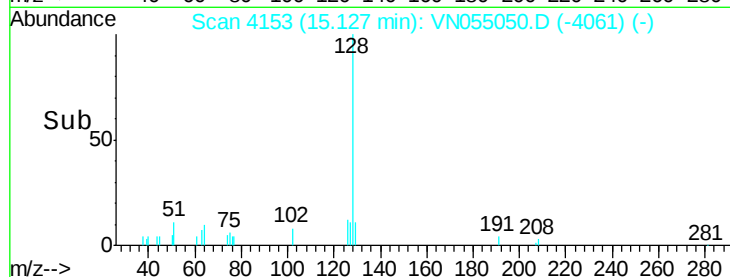
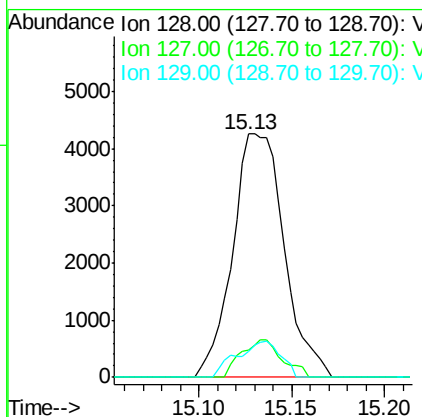
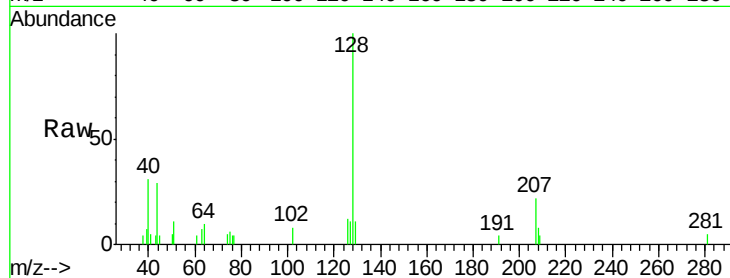
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	128	Resp:	8218
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.1	15.1
129	12.6	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 1.853 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055050.D

Acq: 15 Apr 2019 18:41

Tgt Ion:	180	Resp:	4169
Ion	Ratio	Lower	Upper
180	100		
182	99.3	48.0	144.0
145	27.1	15.3	45.9

