

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054946.D
 Acq On : 4 Apr 2019 14:40
 Operator : JC/SP
 Sample : K2241-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 4/8/2019 1:43:38 PM

Quant Time: Apr 05 15:58:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 15:50:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	407190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	683183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	584221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	207347	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	285052	53.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.20%	
35) Dibromofluoromethane	7.59	113	224849	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.12%	
50) Toluene-d8	10.09	98	832241	49.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.40	95	254025	45.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.22%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	9855	2.024	ug/l	100
3) Chloromethane	2.06	50	15011	2.332	ug/l	92
4) Vinyl Chloride	2.19	62	11846	2.106	ug/l	98
5) Bromomethane	2.56	94	11206	3.490	ug/l	98
6) Chloroethane	2.71	64	6965	2.220	ug/l	89
7) Trichlorofluoromethane	3.02	101	15258	2.234	ug/l	92
8) Diethyl Ether	3.41	74	4860	2.234	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	8587	2.373	ug/l	92
10) Methyl Iodide	3.94	142	39223	7.690	ug/l	98
11) Tert butyl alcohol	4.82	59	15049	54.320	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	8315	2.317	ug/l	88
13) Acrolein	3.61	56	9708	25.550	ug/l	95
14) Allyl chloride	4.31	41	17422	2.187	ug/l	95
15) Acrylonitrile	5.00	53	17649	10.623	ug/l	95
16) Acetone	3.82	43	16851	10.968	ug/l	97
17) Carbon Disulfide	4.04	76	22598	1.978	ug/l	96
18) Methyl Acetate	4.33	43	11109	2.780	ug/l	93
19) Methyl tert-butyl Ether	5.06	73	23861	2.050	ug/l	96
20) Methylene Chloride	4.54	84	11919	2.392	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	9320	2.079	ug/l	92
22) Diisopropyl ether	5.96	45	32331	1.976	ug/l	94
23) Vinyl Acetate	5.90	43	106508	9.356	ug/l	98
24) 1,1-Dichloroethane	5.85	63	18585	2.083	ug/l	99
25) 2-Butanone	6.85	43	21173	10.503	ug/l	94
26) 2,2-Dichloropropane	6.81	77	12568m	2.009	ug/l	
27) cis-1,2-Dichloroethene	6.83	96	10639	2.092	ug/l	96
28) Bromochloromethane	7.19	49	8779	2.100	ug/l #	94
29) Tetrahydrofuran	7.23	42	13542	10.249	ug/l	97
30) Chloroform	7.37	83	18485	2.186	ug/l	97
31) Cyclohexane	7.65	56	25925	2.545	ug/l #	76
32) 1,1,1-Trichloroethane	7.56	97	13810	1.935	ug/l	98
36) 1,1-Dichloropropene	7.79	75	13428	1.984	ug/l	96
37) Ethyl Acetate	6.94	43	7179m	1.545	ug/l	
38) Carbon Tetrachloride	7.78	117	13667	2.091	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	16018	2.151	ug/l	90
40) Benzene	8.04	78	39018	2.003	ug/l	98
41) Methacrylonitrile	7.18	41	6118	2.303	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	14660	2.142	ug/l	100
43) Isopropyl Acetate	8.17	43	13803	1.763	ug/l	96
44) Trichloroethene	8.83	130	10311	2.070	ug/l	97
45) 1,2-Dichloropropane	9.12	63	11258	2.074	ug/l #	88
46) Dibromomethane	9.21	93	6382	2.074	ug/l	99
47) Bromodichloromethane	9.40	83	12689	1.963	ug/l #	99
48) Methyl methacrylate	9.20	41	8580	2.165	ug/l	93
49) 1,4-Dioxane	9.21	88	1749	43.721	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	42355	9.698	ug/l	99
52) Toluene	10.16	92	22389	1.950	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	10569	1.772	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	12594	1.731	ug/l	89
55) 1,1,2-Trichloroethane	10.56	97	8625	2.072	ug/l	95
56) Ethyl methacrylate	10.43	69	10689	1.964	ug/l	95
57) 1,3-Dichloropropane	10.71	76	14574	2.005	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.70	63	17598	8.183	ug/l	100
59) 2-Hexanone	10.75	43	26935	9.873	ug/l	98
60) Dibromochloromethane	10.90	129	7880	1.807	ug/l	97
61) 1,2-Dibromoethane	11.01	107	7536	1.925	ug/l	99
64) Tetrachloroethene	10.63	164	9608	2.039	ug/l	96
65) Chlorobenzene	11.43	112	24421	2.051	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	8156	1.871	ug/l	97
67) Ethyl Benzene	11.51	91	45174	2.104	ug/l	98
68) m/p-Xylenes	11.62	106	30501	3.886	ug/l	99
69) o-Xylene	11.94	106	15449	2.018	ug/l	98
70) Styrene	11.96	104	22000	1.792	ug/l	95
71) Bromoform	12.12	173	3999	1.526	ug/l #	87
73) Isopropylbenzene	12.25	105	41004	2.341	ug/l	99
74) N-amyl acetate	12.07	43	10770	2.212	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	11182	2.599	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	8594m	2.306	ug/l	
77) Bromobenzene	12.53	156	10095	2.380	ug/l	97
78) n-propylbenzene	12.59	91	44779	2.320	ug/l	99
79) 2-Chlorotoluene	12.67	91	28978	2.423	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	32916	2.288	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	1836m	2.045	ug/l	
82) 4-Chlorotoluene	12.77	91	25484	2.253	ug/l	99
83) tert-Butylbenzene	12.99	119	28742	2.349	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	29538	2.122	ug/l	100
85) sec-Butylbenzene	13.17	105	35719	2.257	ug/l	98
86) p-Isopropyltoluene	13.29	119	28987	2.126	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	15000	2.126	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	15253	2.271	ug/l	88
89) n-Butylbenzene	13.61	91	23023	2.112	ug/l	99
90) Hexachloroethane	13.87	117	4321	1.886	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	14392	2.077	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1441	2.403	ug/l	73

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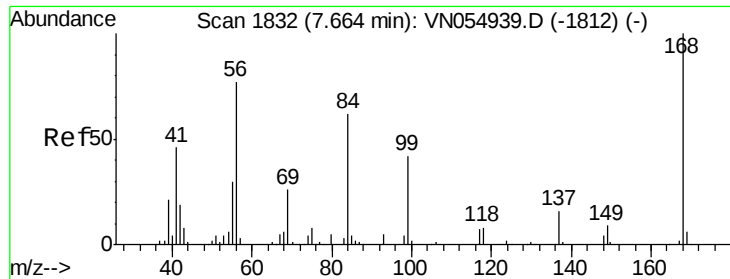
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	5513	1.789	ug/l	96
94) Hexachlorobutadiene	15.01	225	5671	2.447	ug/l	95
95) Naphthalene	15.13	128	10822	1.600	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	5910	1.858	ug/l	94

(#) = 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: VN054946.D

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MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tgt Ion:168 Resp: 407190

Ion Ratio Lower Upper

168 100

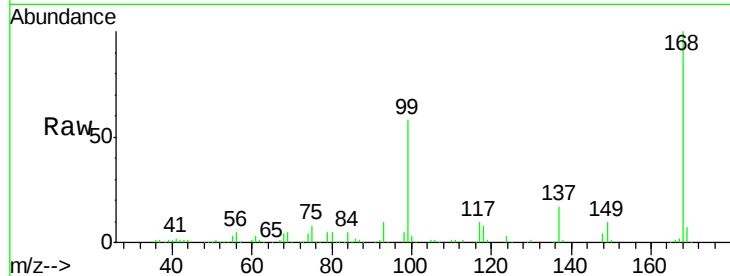
99 57.9 44.1 66.1

Manual Integrations

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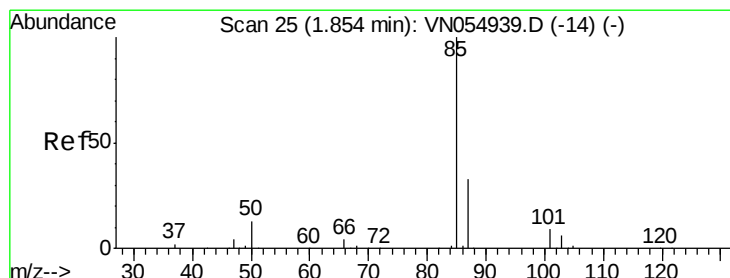
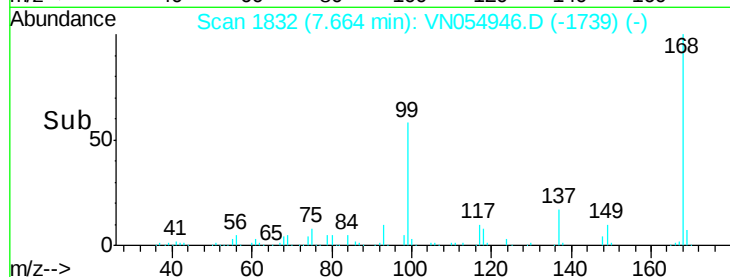
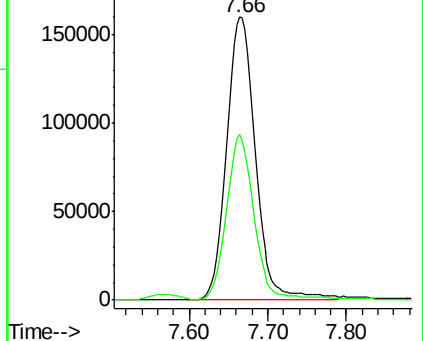
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 2.024 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054946.D

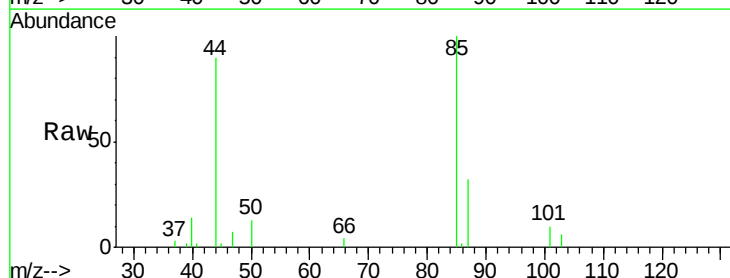
Acq: 4 Apr 2019 14:40

Tgt Ion: 85 Resp: 9855

Ion Ratio Lower Upper

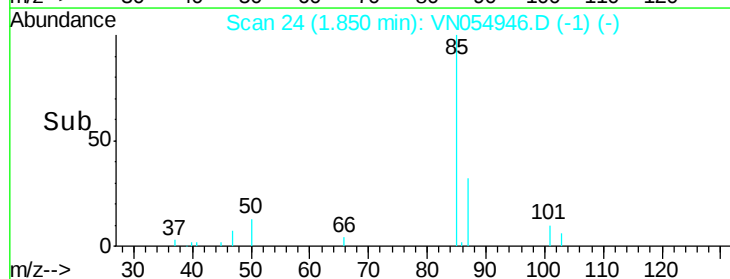
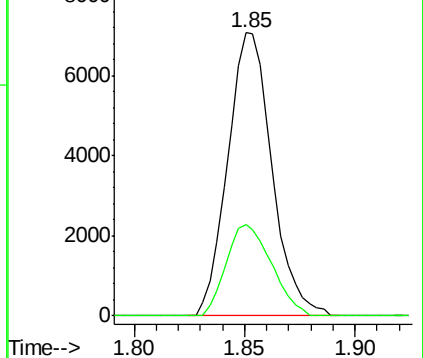
85 100

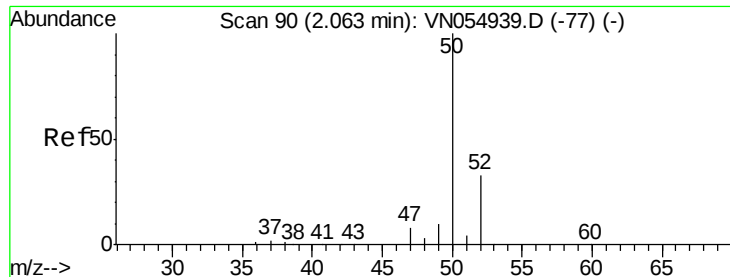
87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 2.332 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tgt Ion: 50 Resp: 15011

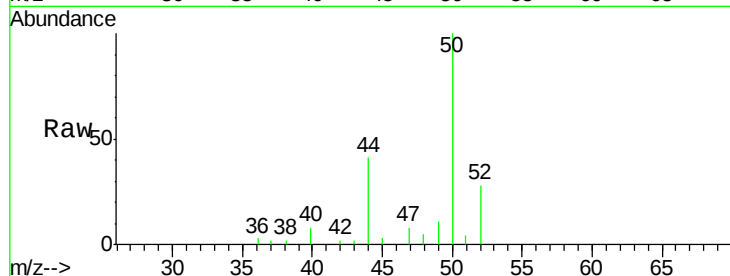
Ion Ratio Lower Upper

50 100

52 28.1 26.2 39.4

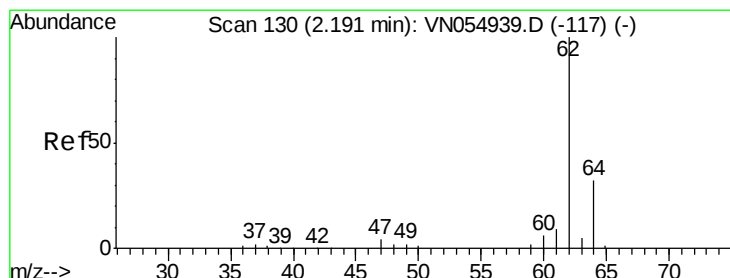
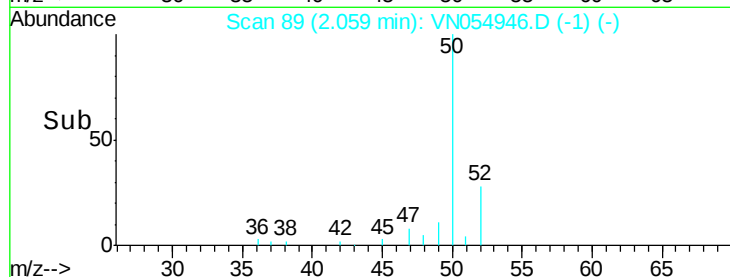
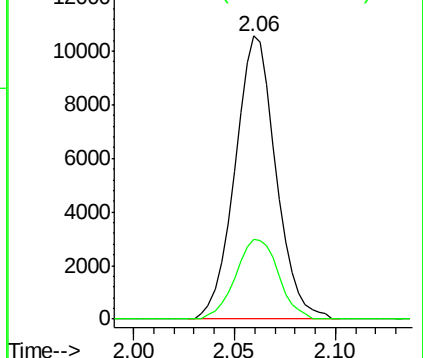
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 2.106 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054946.D

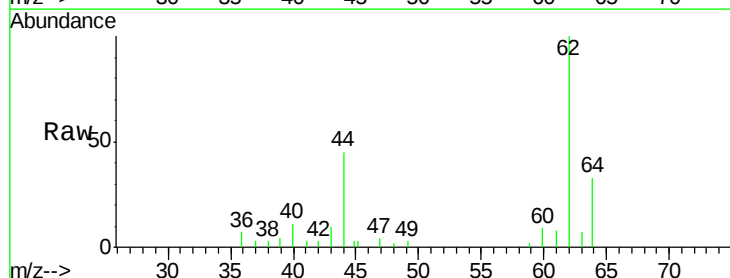
Acq: 4 Apr 2019 14:40

Tgt Ion: 62 Resp: 11846

Ion Ratio Lower Upper

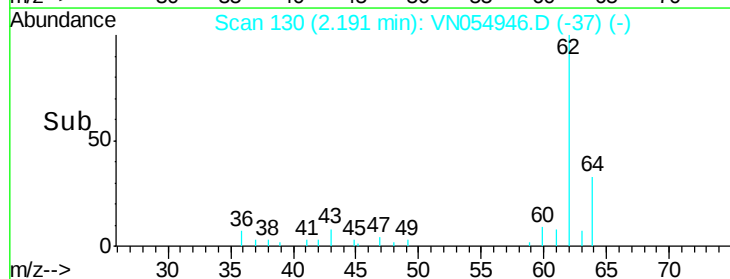
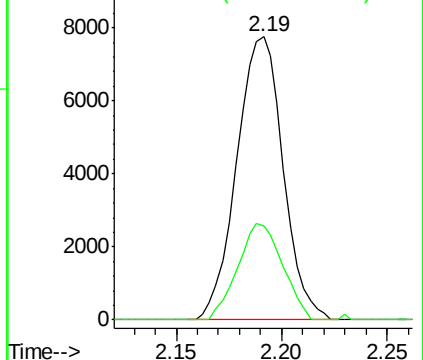
62 100

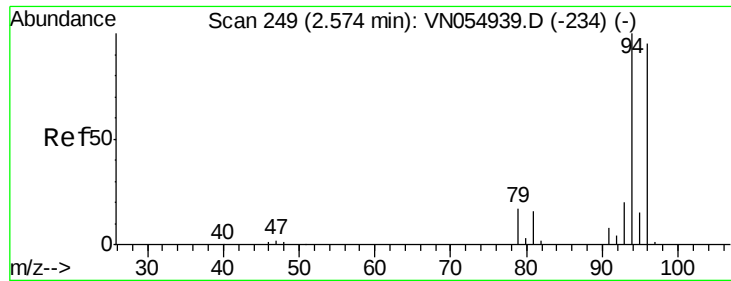
64 33.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 3.490 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion: 94 Resp: 11206

Ion Ratio Lower Upper

94 100

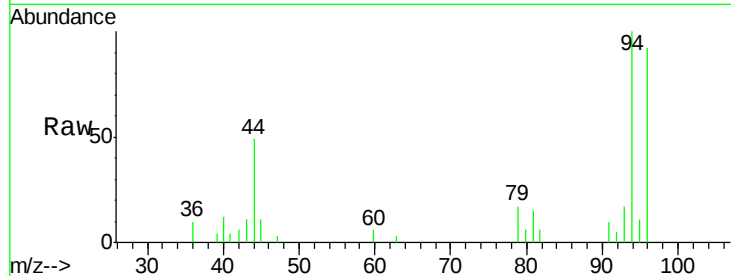
96 92.4 75.7 113.5

Manual Integrations

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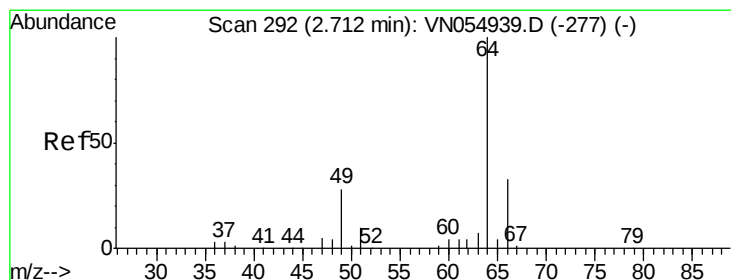
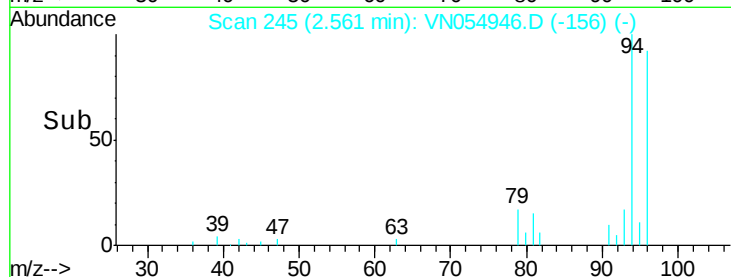
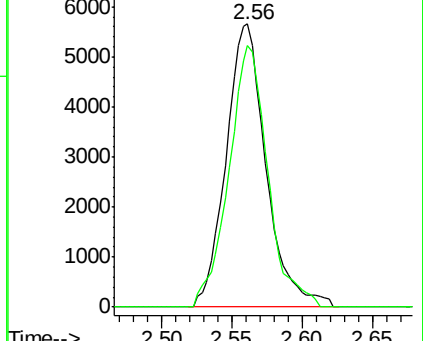
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 2.220 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054946.D

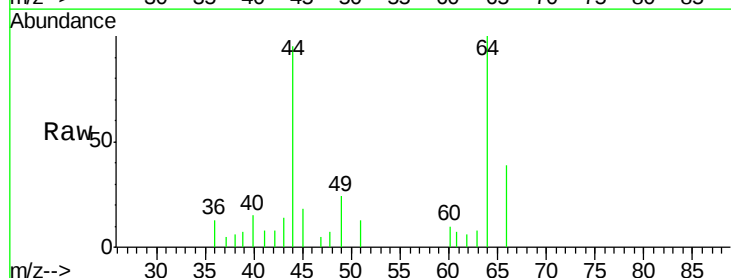
Acq: 4 Apr 2019 14:40

Tgt Ion: 64 Resp: 6965

Ion Ratio Lower Upper

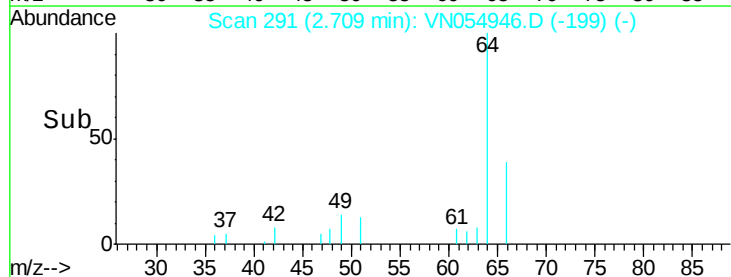
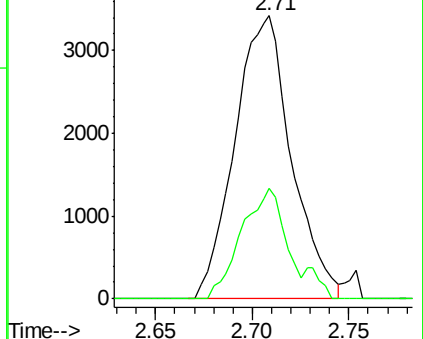
64 100

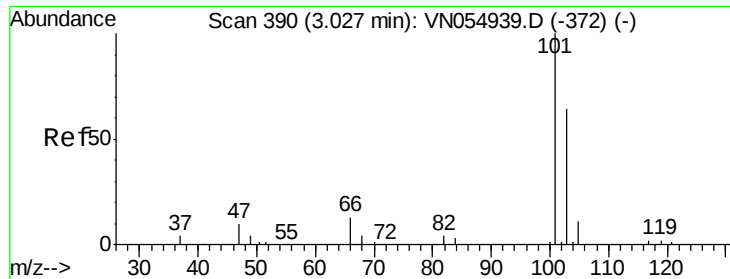
66 39.2 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

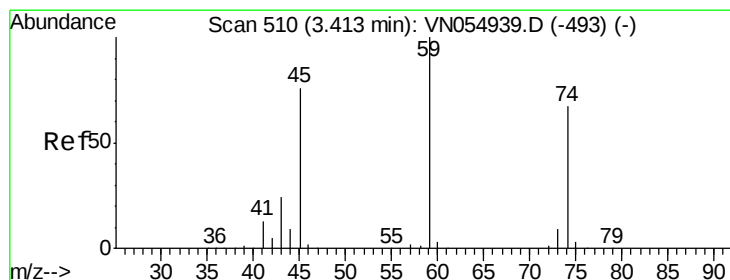
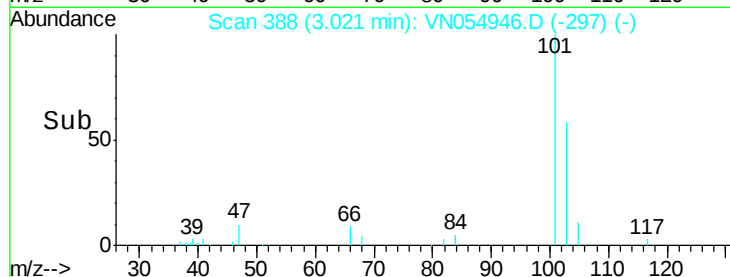
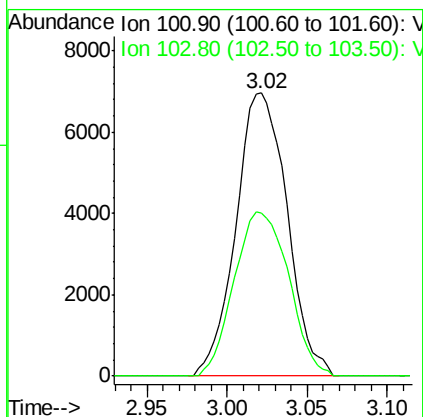
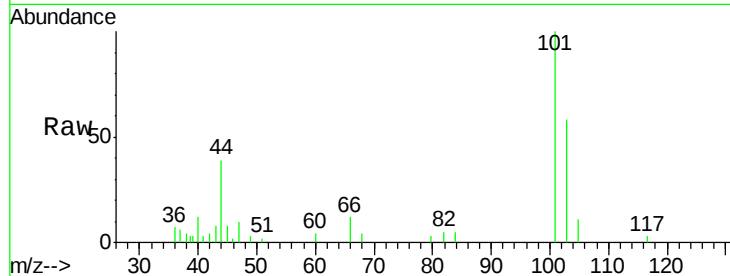
Trichlorofluoromethane
 Concen: 2.234 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.01 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

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Tgt Ion: 101 Resp: 15258
 Ion Ratio Lower Upper
 101 100
 103 57.5 51.3 76.9

Manual Integrations
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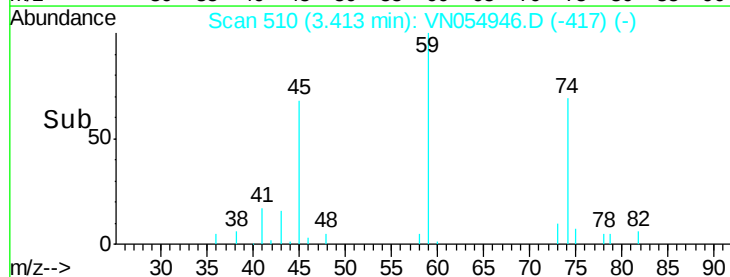
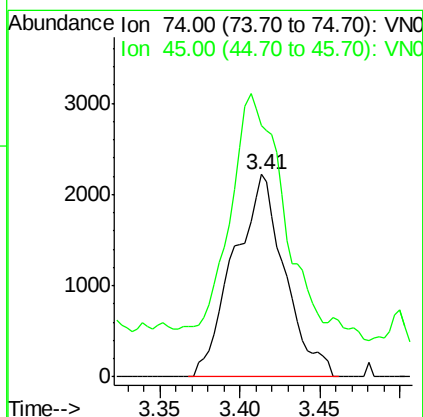
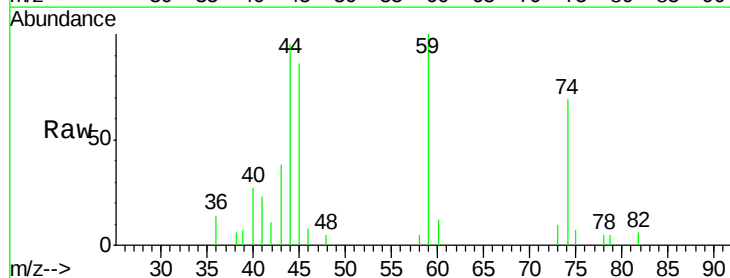
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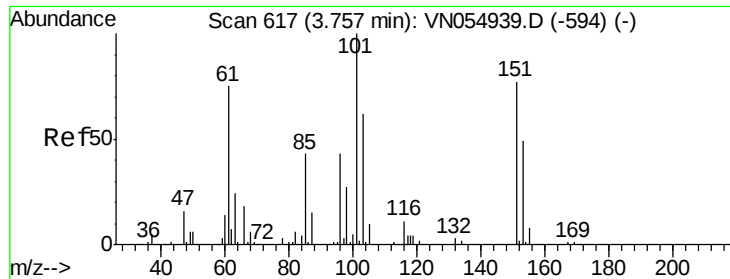


#8

Diethyl Ether
 Concen: 2.234 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 74 Resp: 4860
 Ion Ratio Lower Upper
 74 100
 45 111.6 56.3 168.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.373 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN054946.D

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Instrument :

MSVOA_N

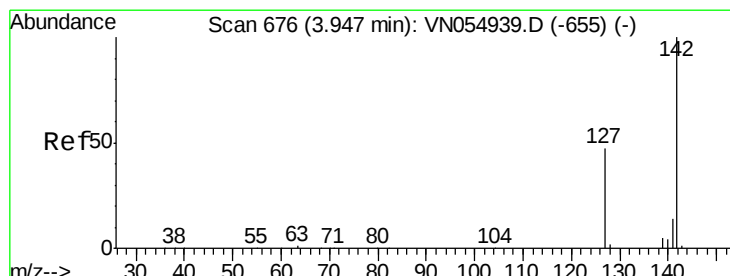
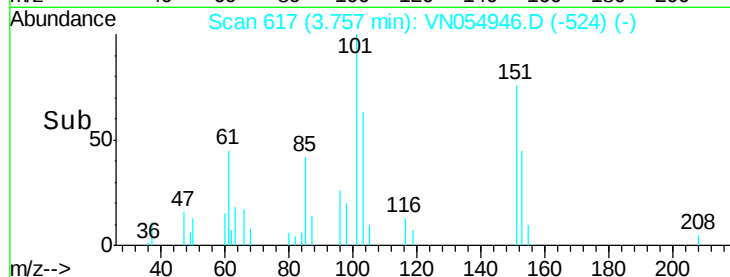
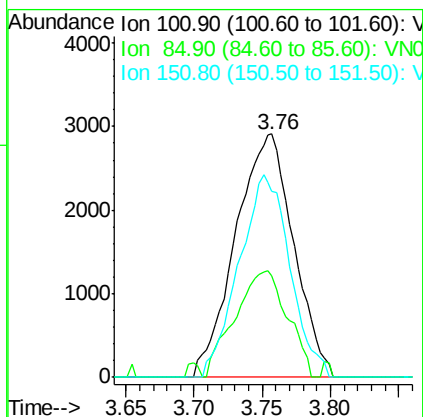
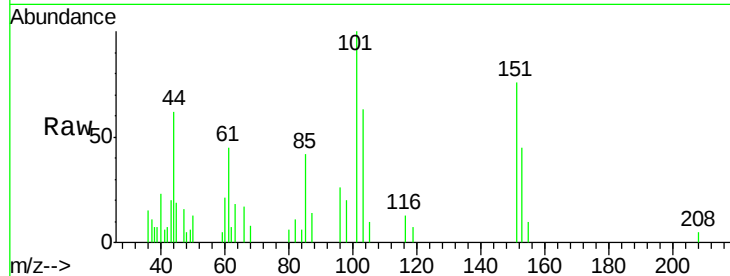
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tgt Ion:	101	Resp:	8587
Ion Ratio	Lower	Upper	
101	100		
85	39.7	36.2	54.2
151	72.9	63.4	95.0

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#10

Methyl Iodide

Concen: 7.690 ug/l

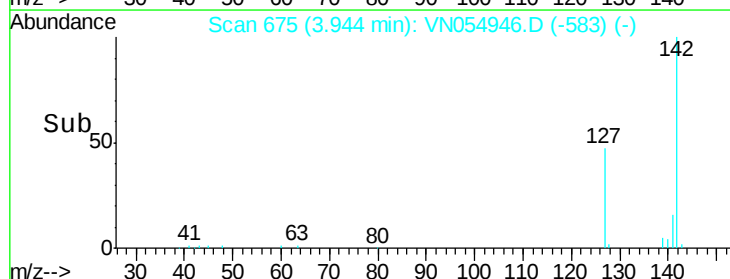
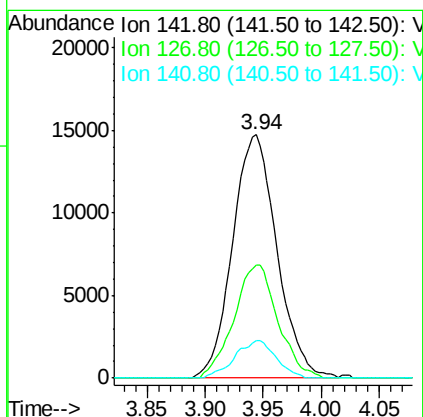
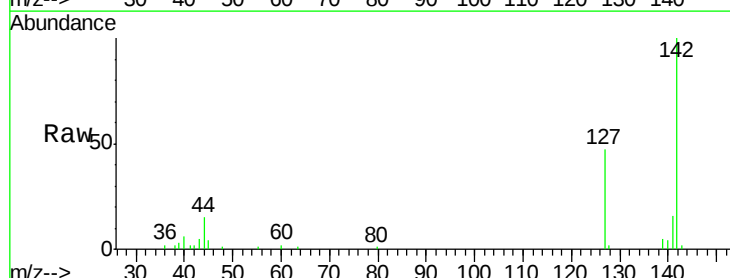
RT: 3.94 min Scan# 675

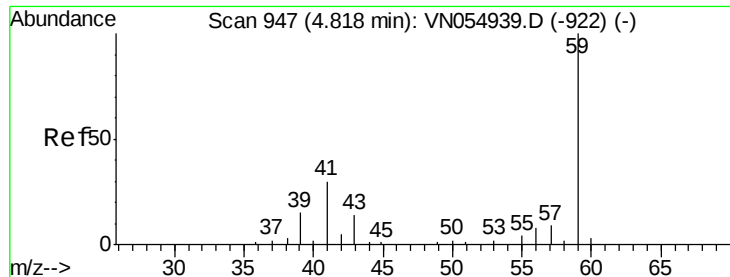
Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Tgt Ion:	142	Resp:	39223
Ion Ratio	Lower	Upper	
142	100		
127	46.0	38.0	57.0
141	14.3	11.7	17.5





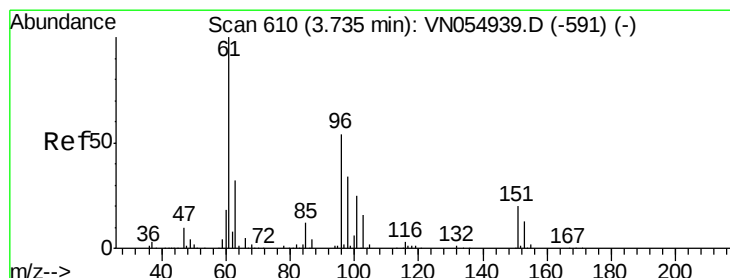
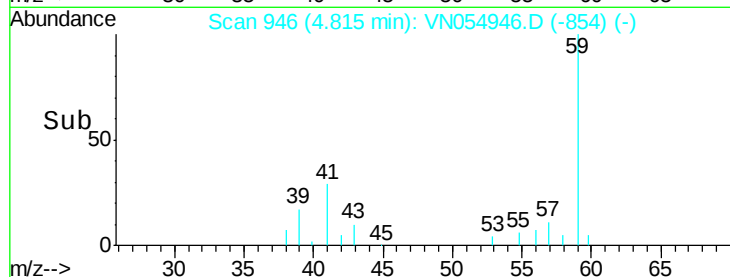
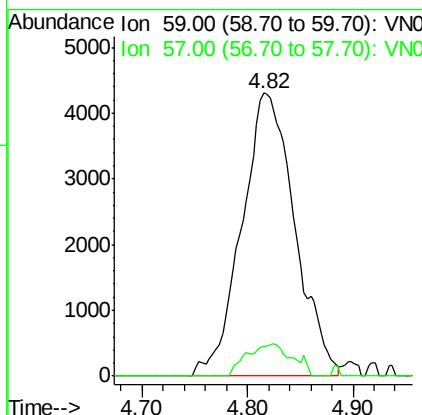
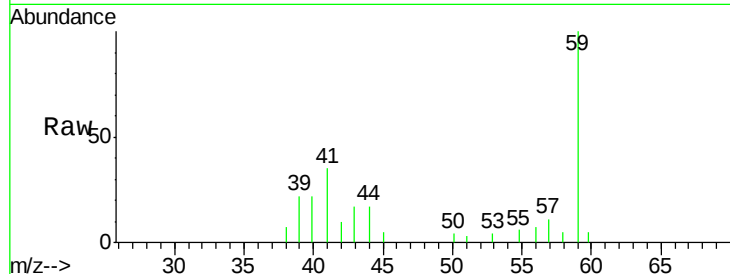
#11
Tert butyl alcohol
Concen: 54.320 ug/l
RT: 4.82 min Scan# 946
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion: 59 Resp: 15049
Ion Ratio Lower Upper
59 100
57 9.8 5.0 7.4#

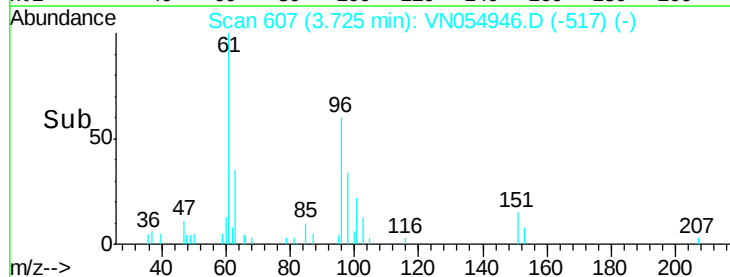
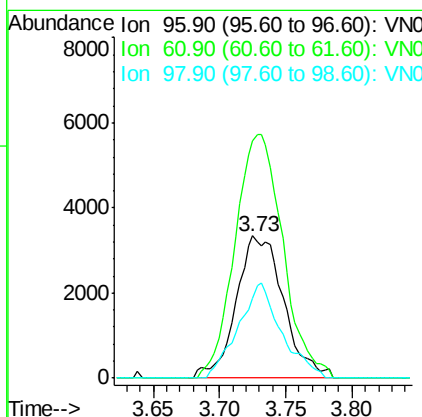
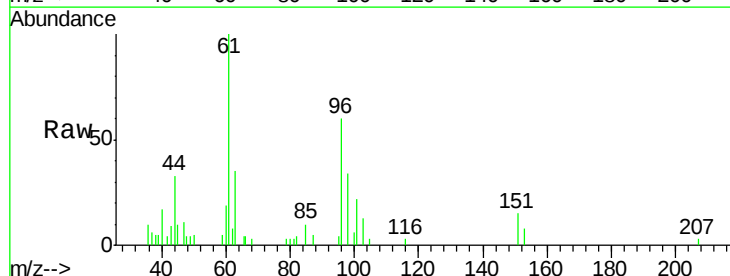
Manual Integrations
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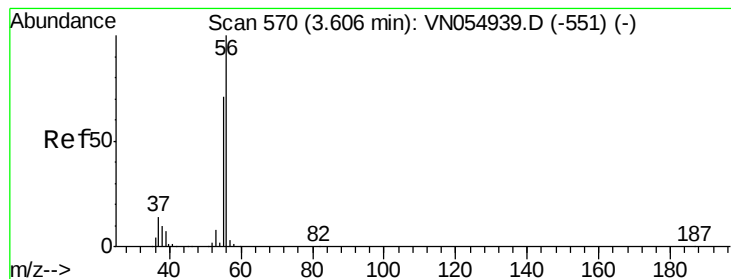
MMDadoda
4/8/2019 1:43:38 PM



#12
1,1-Dichloroethene
Concen: 2.317 ug/l
RT: 3.73 min Scan# 607
Delta R.T. -0.01 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 96 Resp: 8315
Ion Ratio Lower Upper
96 100
61 166.5 148.2 222.2
98 56.3 50.2 75.4





#13

Acrolein

Concen: 25.550 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tgt Ion: 56 Resp: 9708

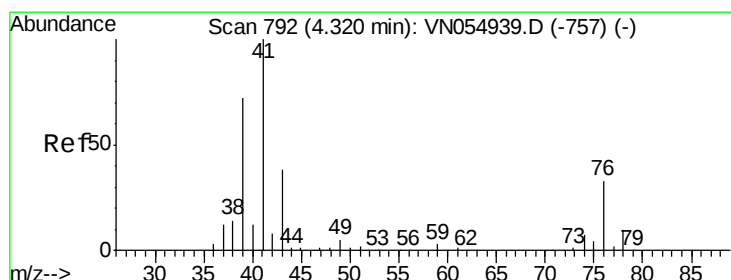
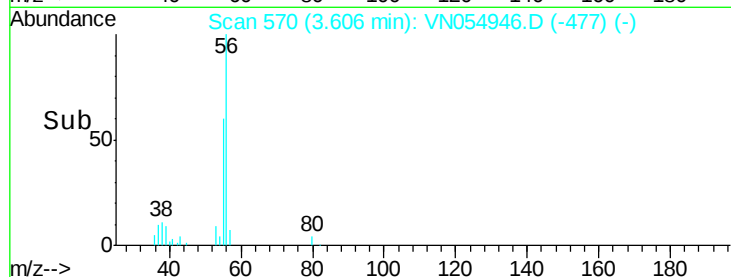
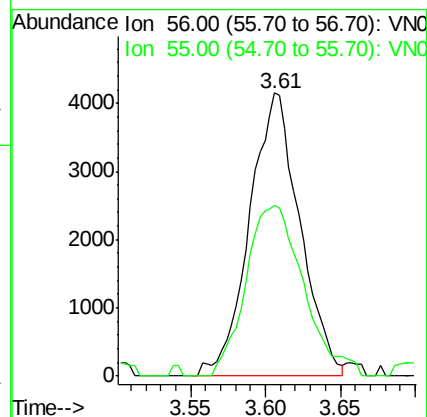
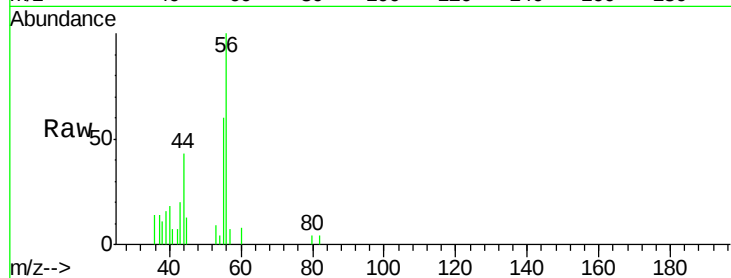
Ion Ratio Lower Upper

56 100

55 69.1 58.6 87.8

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#14

Allyl chloride

Concen: 2.187 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

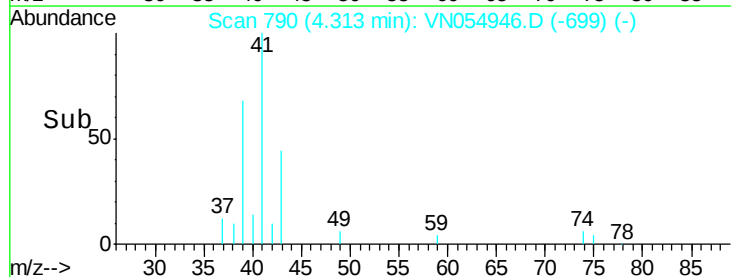
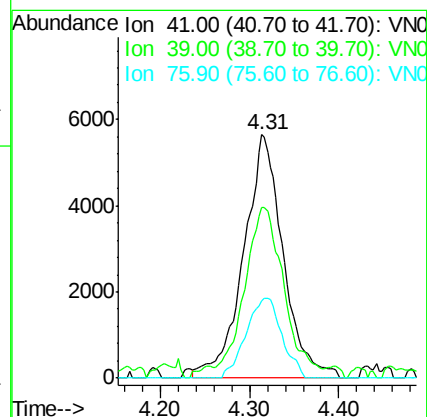
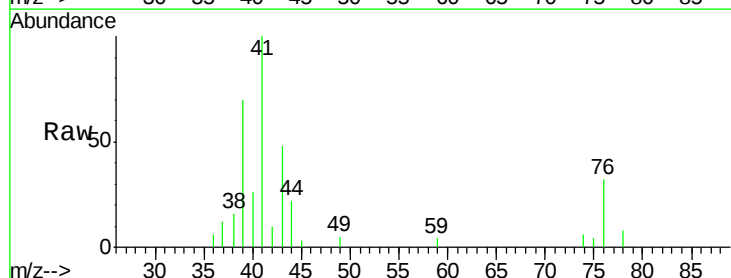
Tgt Ion: 41 Resp: 17422

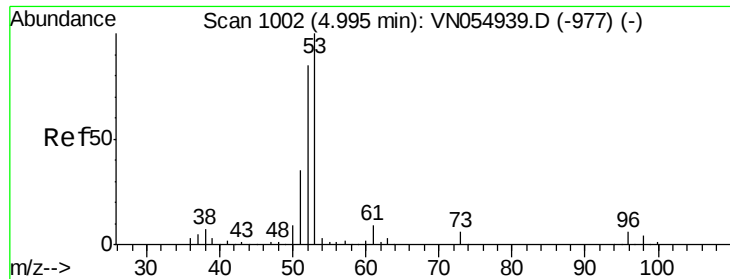
Ion Ratio Lower Upper

41 100

39 63.3 55.4 83.2

76 29.7 23.8 35.8





#15

Acrylonitrile

Concen: 10.623 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

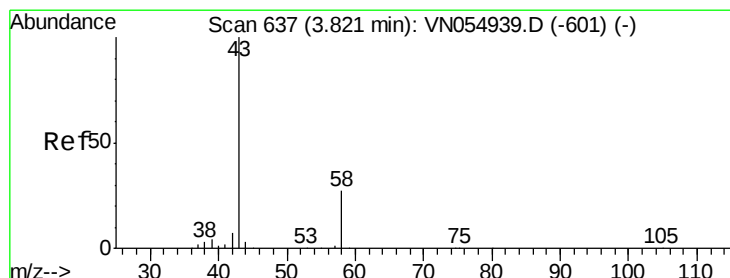
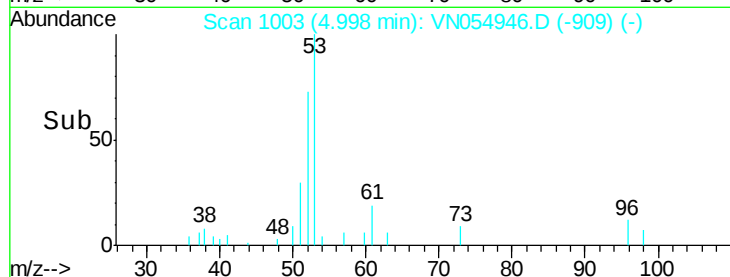
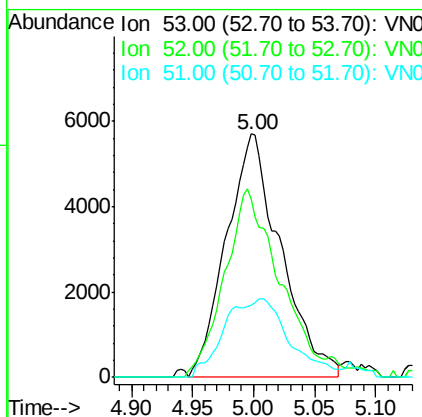
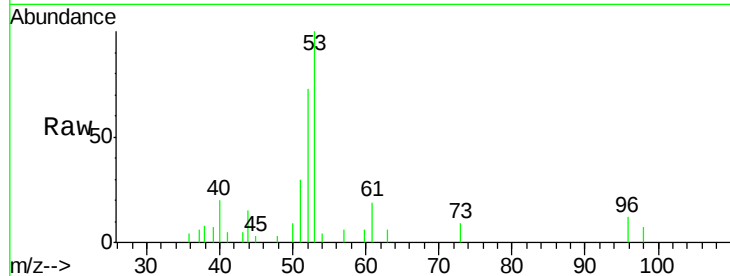
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tgt Ion:	53	Resp:	17649
Ion	Ratio	Lower	Upper
53	100		
52	77.9	66.4	99.6
51	38.8	29.5	44.3

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#16

Acetone

Concen: 10.968 ug/l

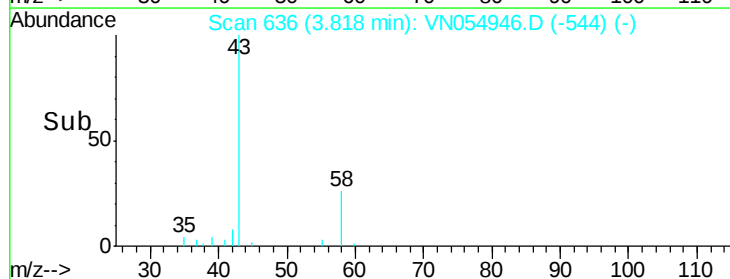
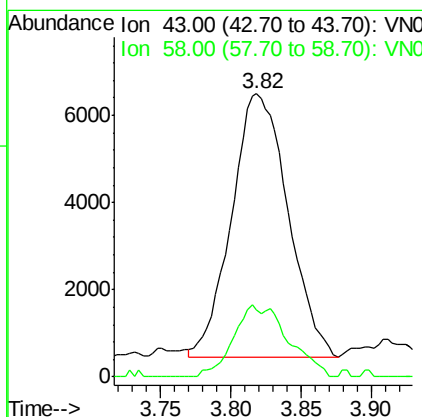
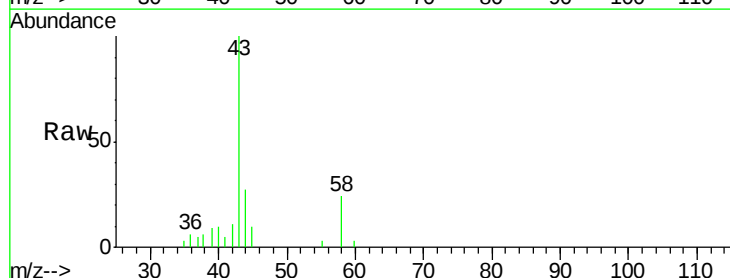
RT: 3.82 min Scan# 636

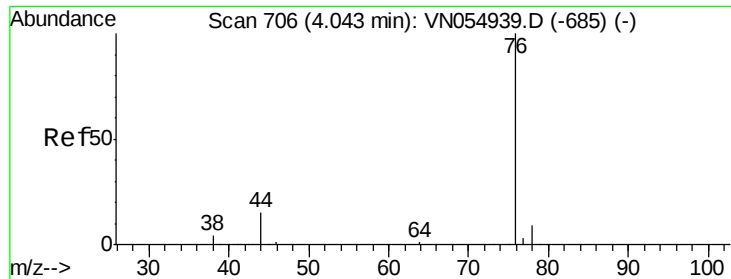
Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Tgt Ion:	43	Resp:	16851
Ion	Ratio	Lower	Upper
43	100		
58	25.3	21.7	32.5





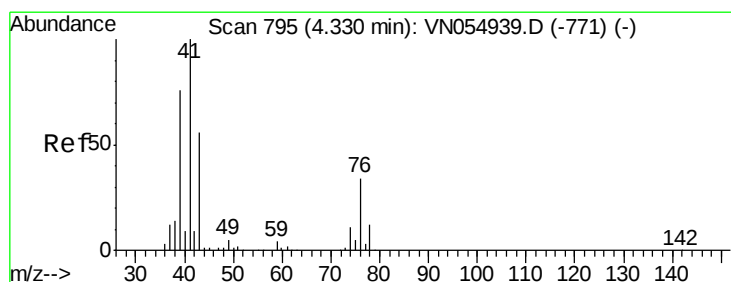
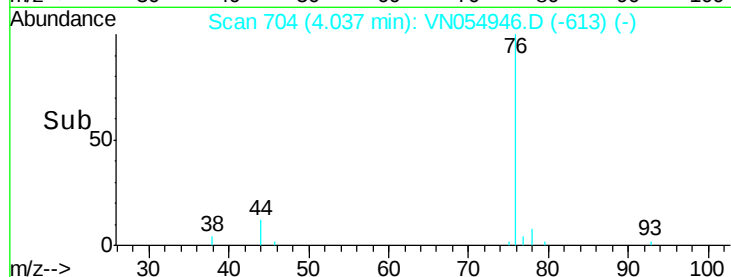
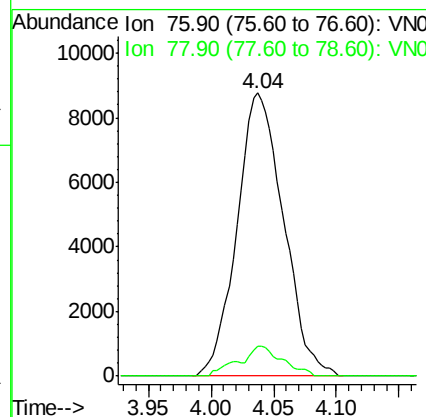
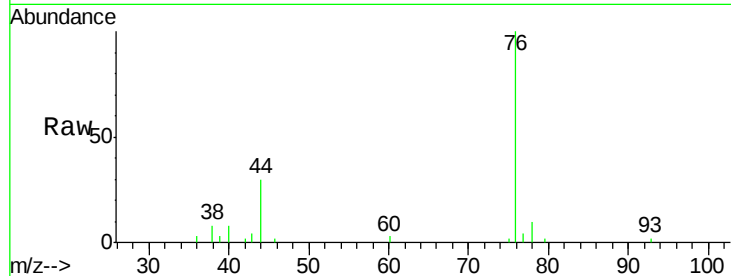
#17
Carbon Disulfide
Concen: 1.978 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.01 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion: 76 Resp: 22598
Ion Ratio Lower Upper
76 100
78 10.4 7.1 10.7

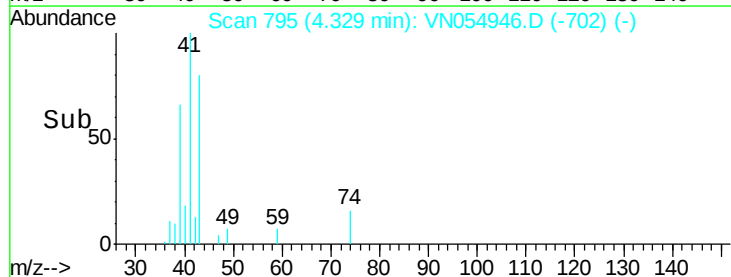
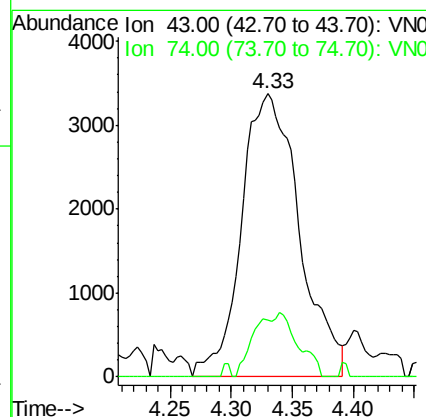
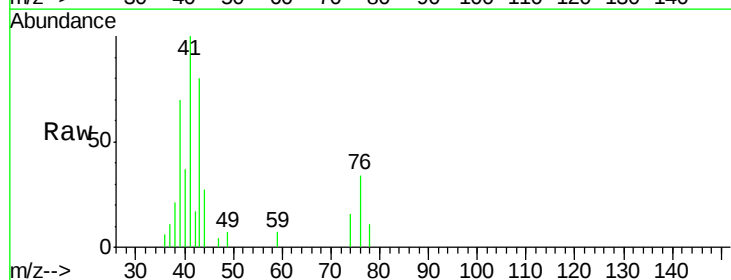
Manual Integrations
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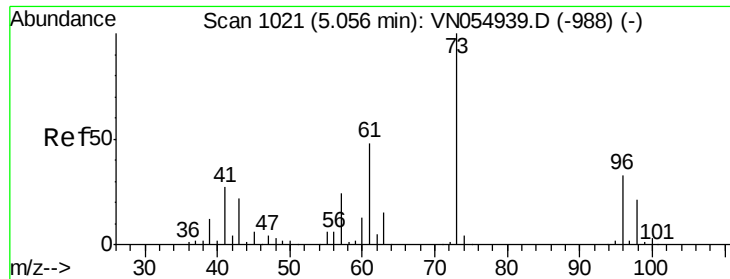
MMDadoda
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#18
Methyl Acetate
Concen: 2.780 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 43 Resp: 11109
Ion Ratio Lower Upper
43 100
74 17.1 16.4 24.6





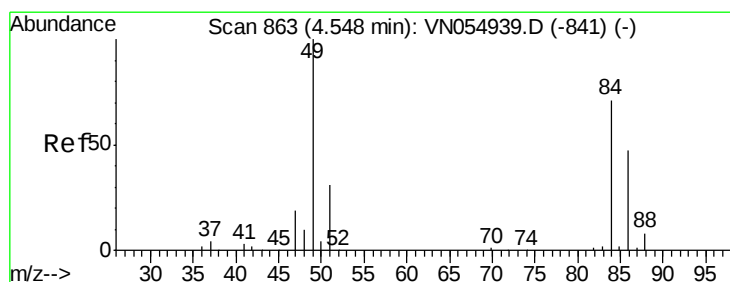
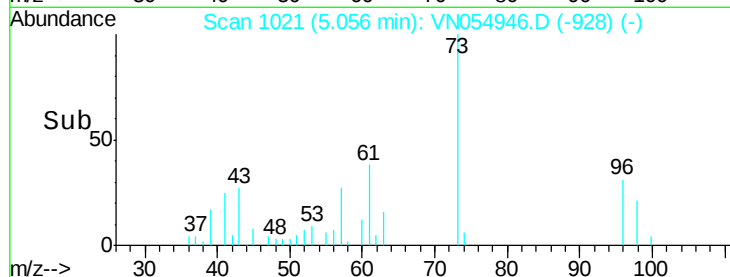
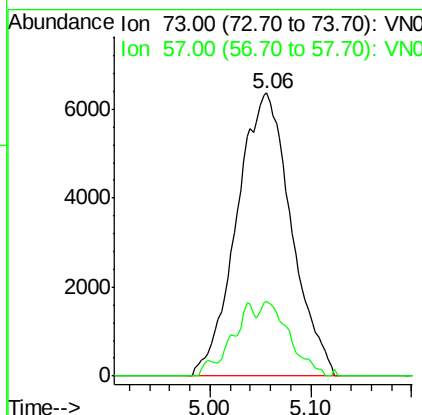
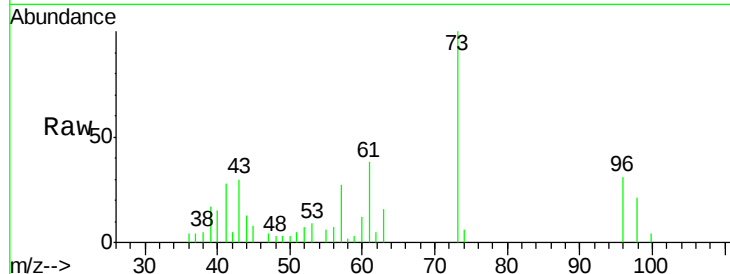
#19
Methyl tert-butyl Ether
Concen: 2.050 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion: 73 Resp: 23861
Ion Ratio Lower Upper
73 100
57 26.6 19.5 29.3

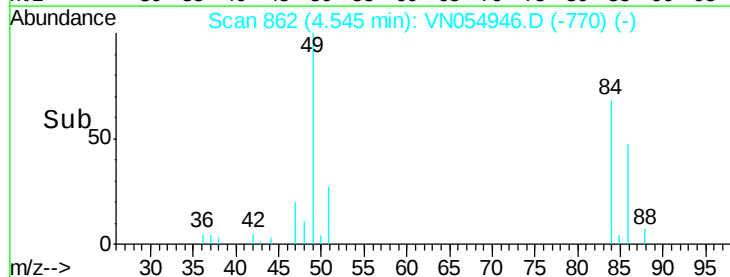
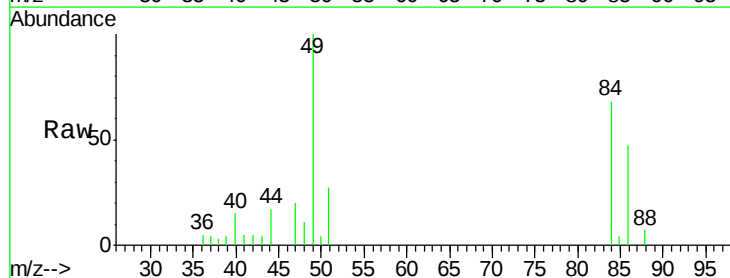
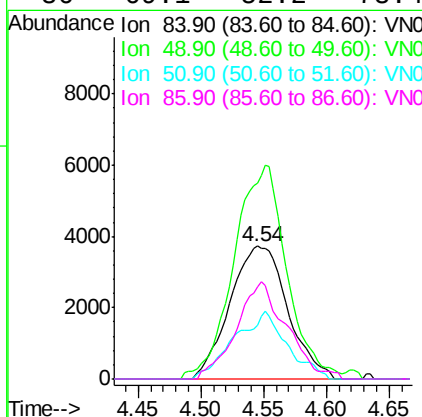
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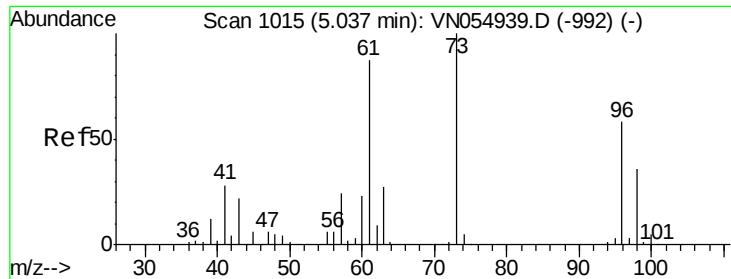
MMDadoda
4/8/2019 1:43:38 PM



#20
Methylene Chloride
Concen: 2.392 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 84 Resp: 11919
Ion Ratio Lower Upper
84 100
49 142.9 112.1 168.1
51 40.5 34.5 51.7
86 69.1 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 2.079 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

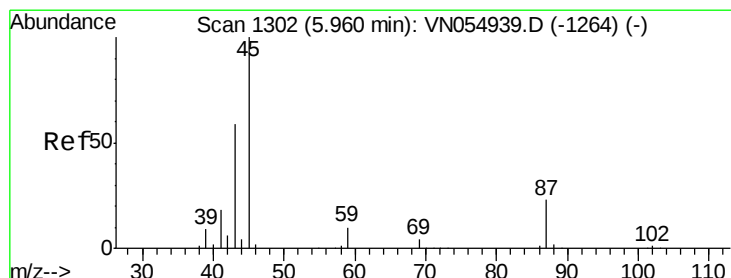
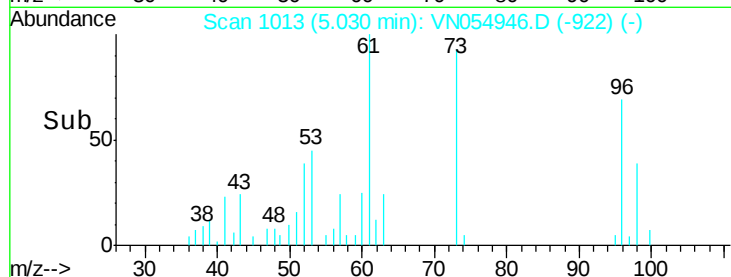
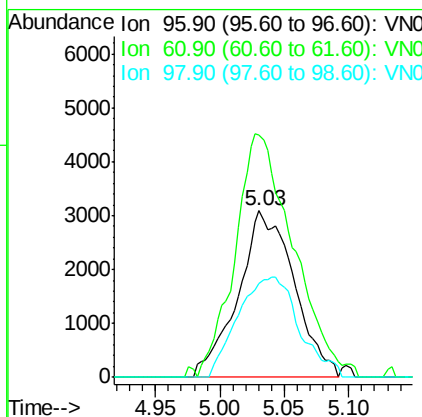
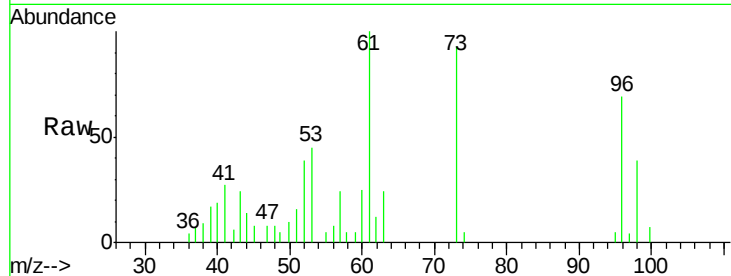
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tgt Ion:	96	Resp:	9320
Ion	Ratio	Lower	Upper
96	100		
61	139.2	120.1	180.1
98	56.6	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 1.976 ug/l

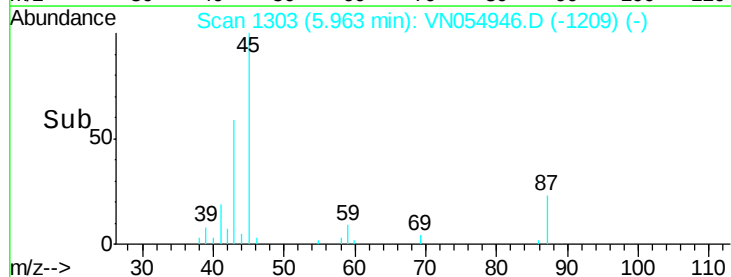
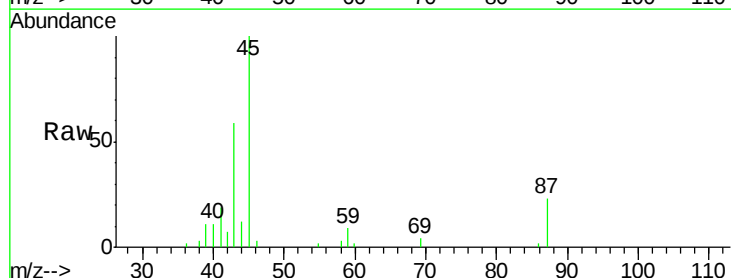
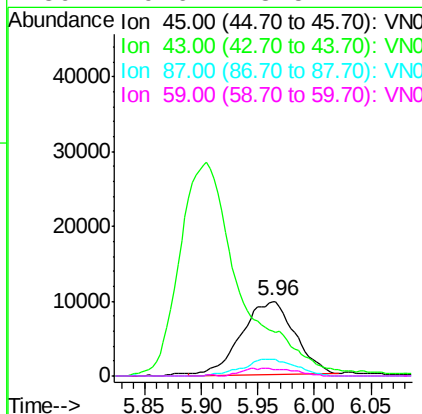
RT: 5.96 min Scan# 1303

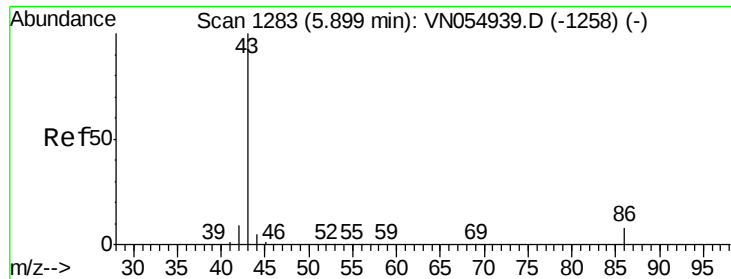
Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Tgt Ion:	45	Resp:	32331
Ion	Ratio	Lower	Upper
45	100		
43	52.1	46.9	70.3
87	23.3	18.6	28.0
59	9.6	8.5	12.7





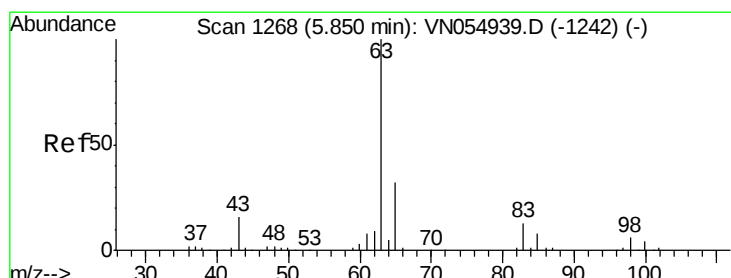
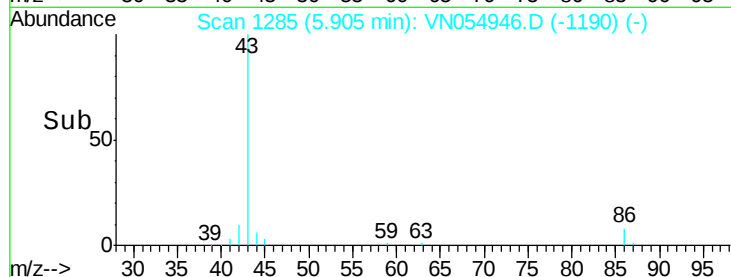
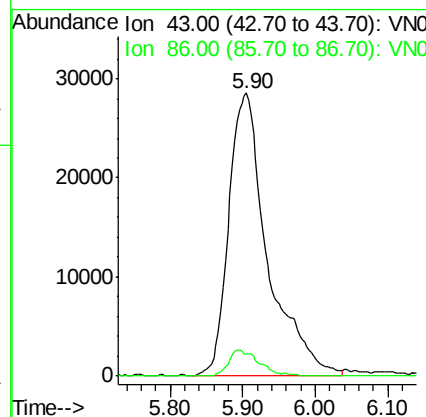
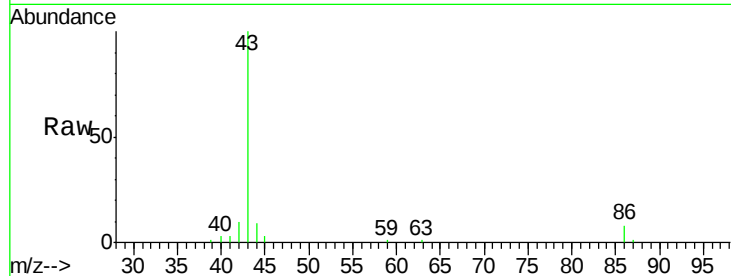
#23
 Vinyl Acetate
 Concen: 9.356 ug/l
 RT: 5.90 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

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

Tgt Ion: 43 Resp: 106508
 Ion Ratio Lower Upper
 43 100
 86 7.7 6.7 10.1

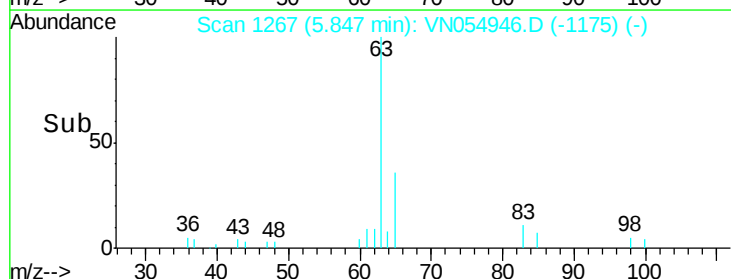
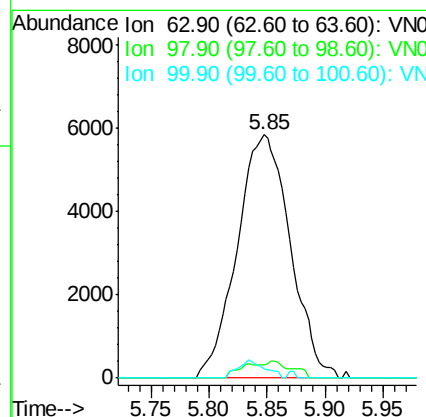
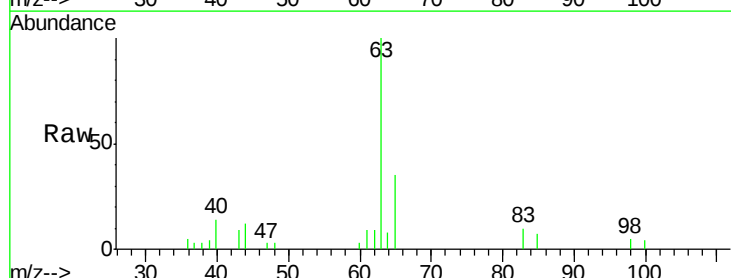
Manual Integrations
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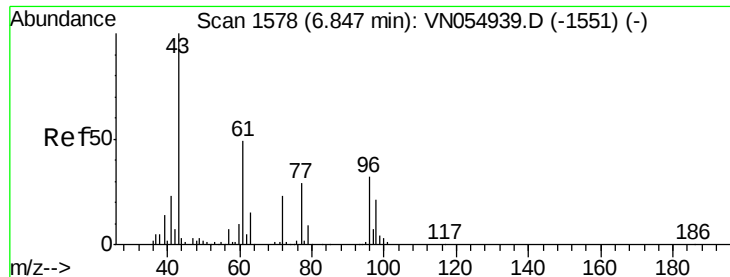
MMDadoda
 4/8/2019 1:43:38 PM



#24
 1,1-Dichloroethane
 Concen: 2.083 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 63 Resp: 18585
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.9 8.7
 100 4.0 2.1 6.2





#25

2-Butanone

Concen: 10.503 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tgt Ion: 43 Resp: 21173

Ion Ratio Lower Upper

43 100

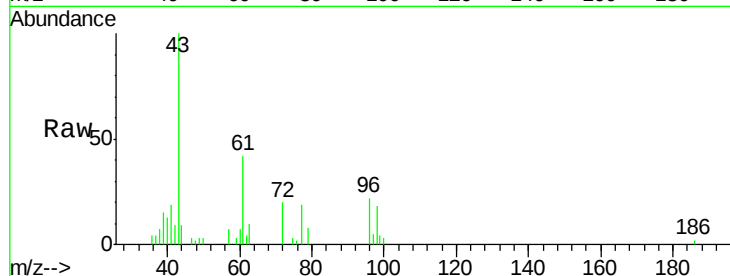
72 20.1 18.3 27.5

Manual Integrations

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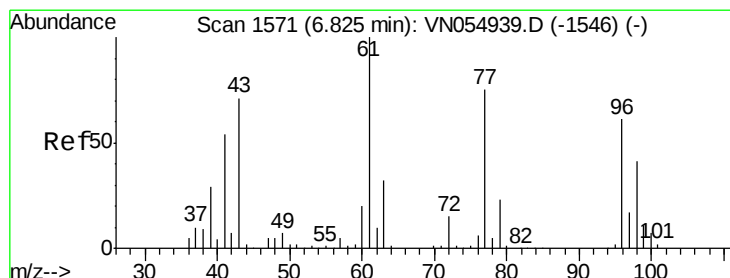
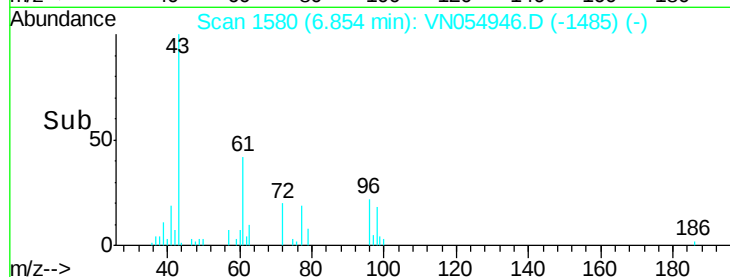
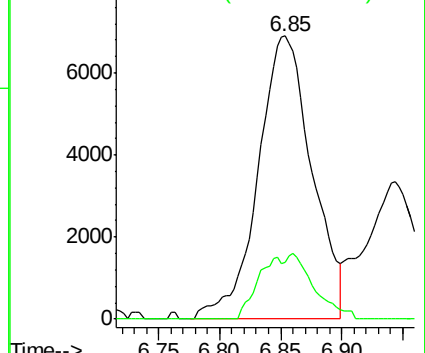
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 2.009 ug/l m

RT: 6.81 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VN054946.D

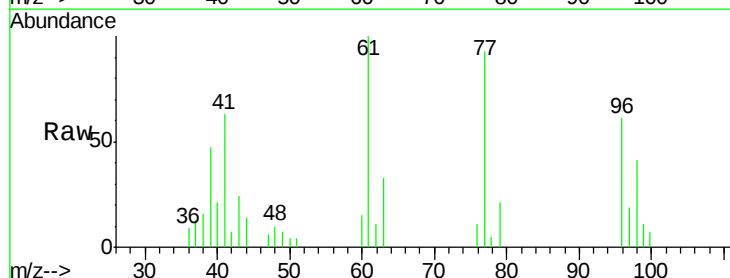
Acq: 4 Apr 2019 14:40

Tgt Ion: 77 Resp: 12568

Ion Ratio Lower Upper

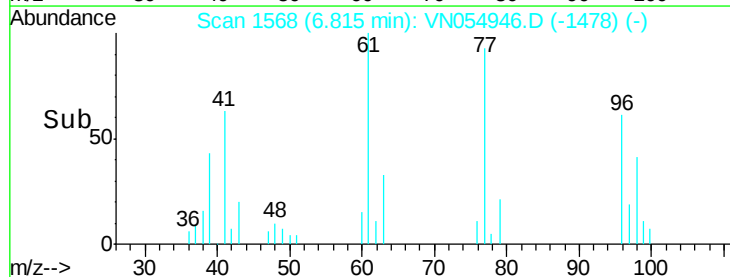
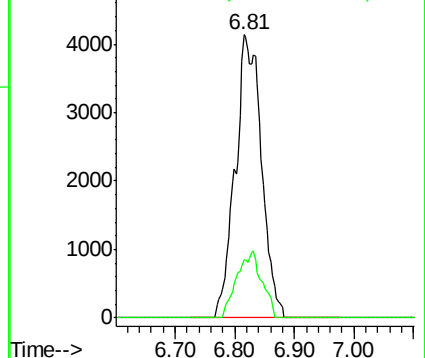
77 100

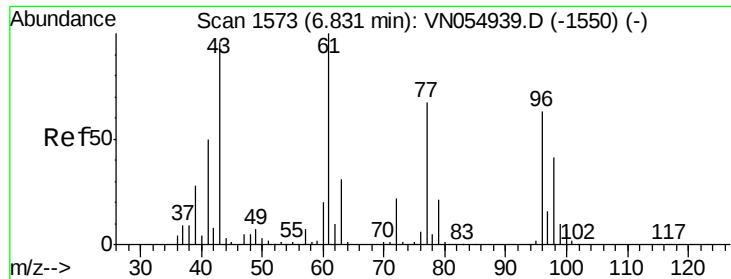
97 22.5 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 2.092 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

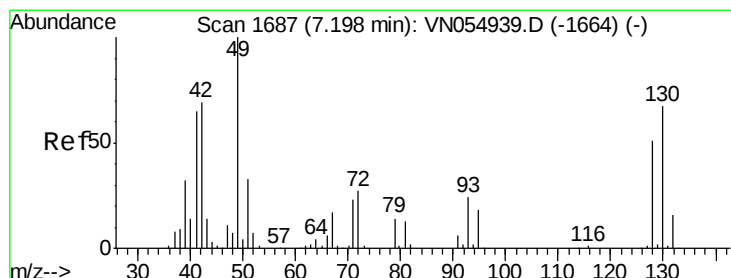
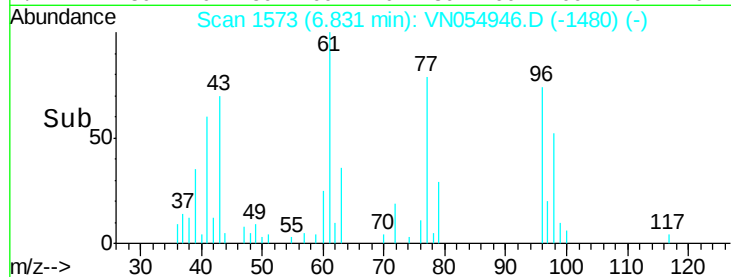
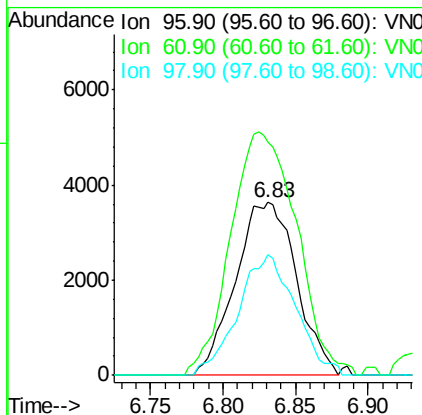
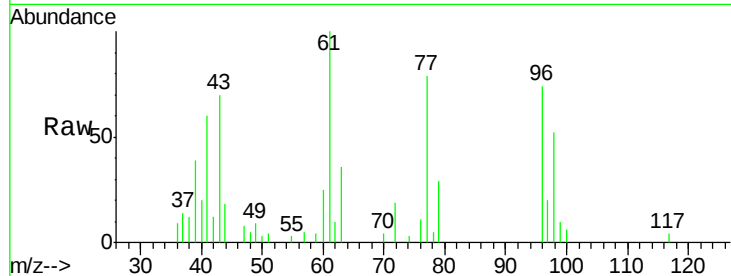
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tgt Ion:	96	Resp:	10639
Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	316.2
98	65.8	0.0	129.6

Manual Integrations
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4/8/2019 1:43:38 PM



#28

Bromochloromethane

Concen: 2.100 ug/l

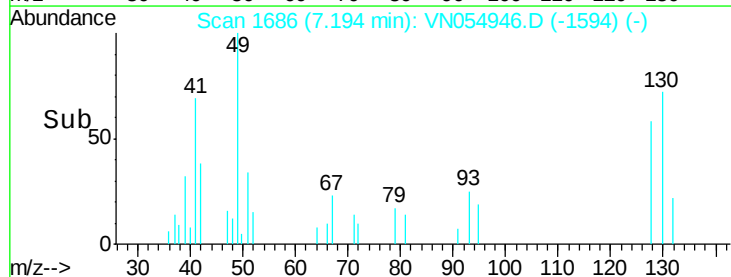
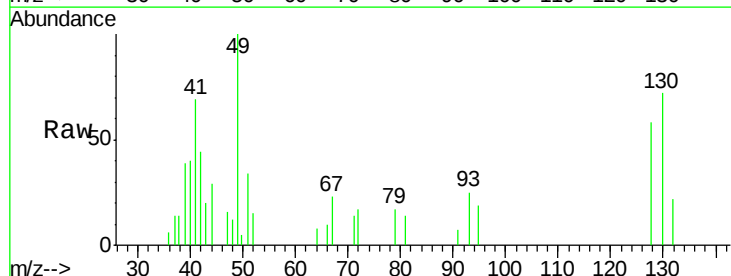
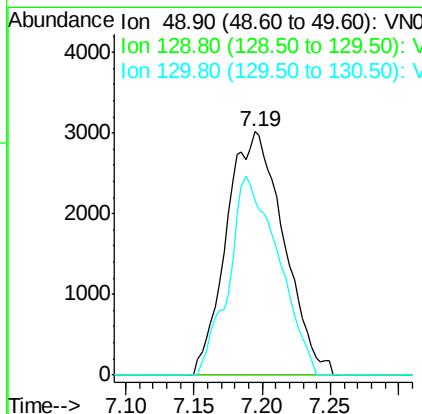
RT: 7.19 min Scan# 1686

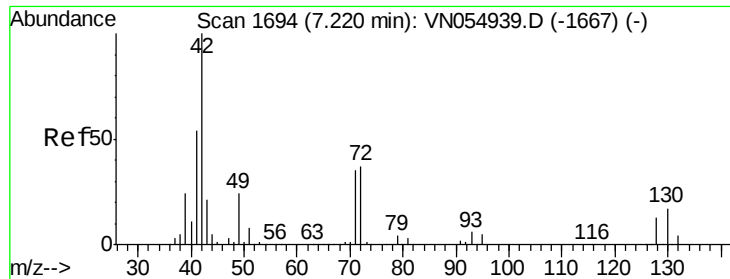
Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Tgt Ion:	49	Resp:	8779
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	70.8	53.1	79.7





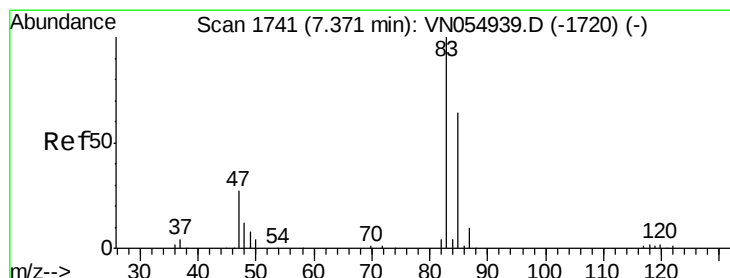
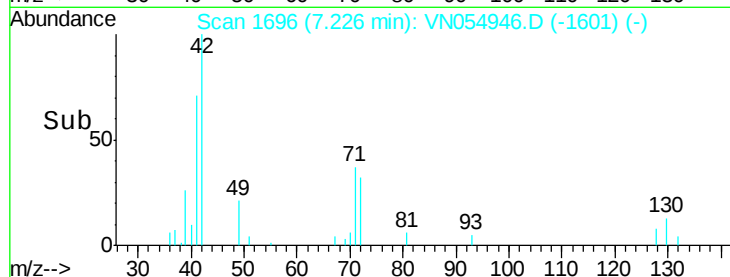
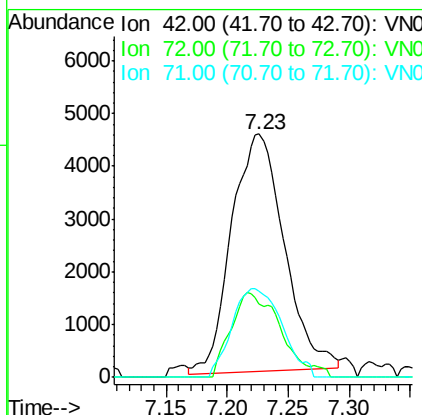
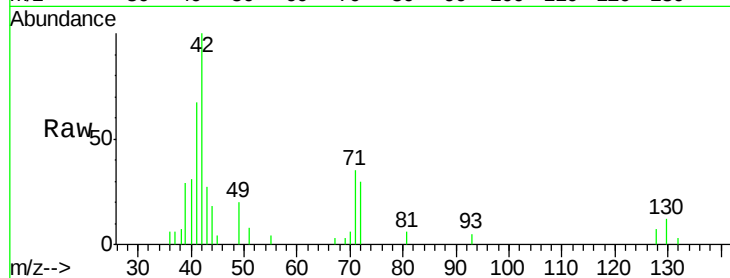
#29
Tetrahydrofuran
Concen: 10.249 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion	Ratio	Lower	Upper
42	100		
72	33.9	29.3	43.9
71	35.3	27.8	41.6

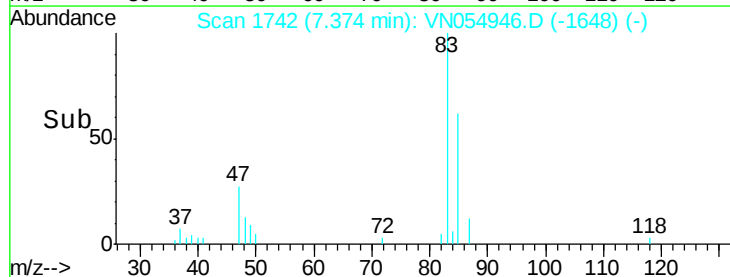
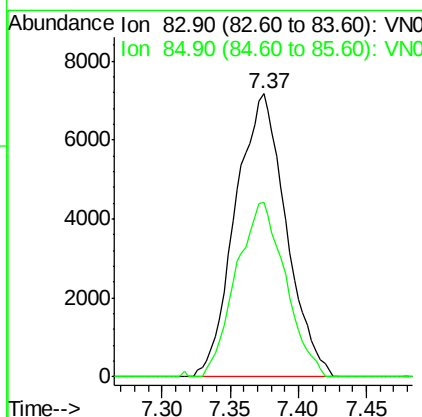
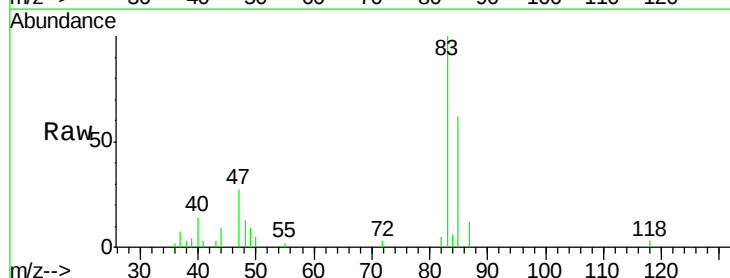
Manual Integrations
APPROVED

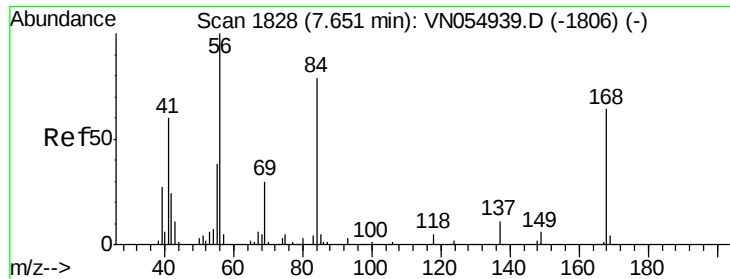
MMDadoda
4/8/2019 1:43:38 PM



#30
Chloroform
Concen: 2.186 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.4	77.0





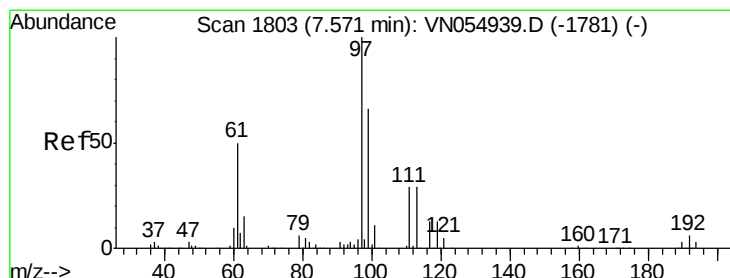
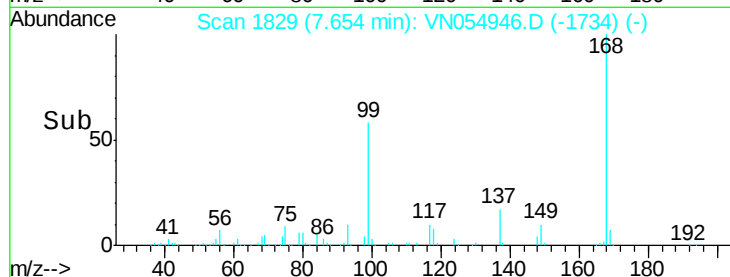
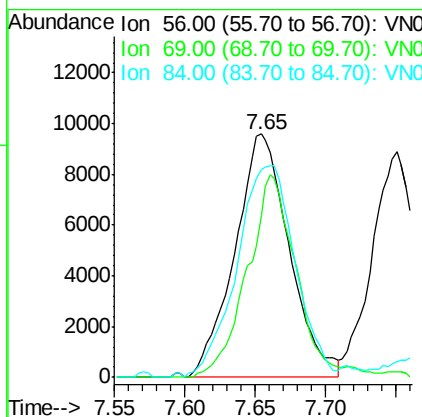
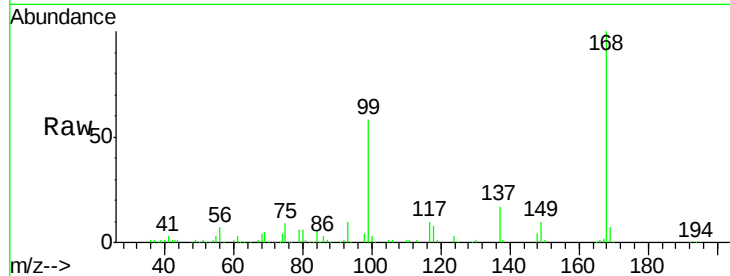
#31
Cyclohexane
Concen: 2.545 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion	Ratio	Lower	Upper
56	100		
69	66.2	23.8	35.6#
84	83.8	61.8	92.8

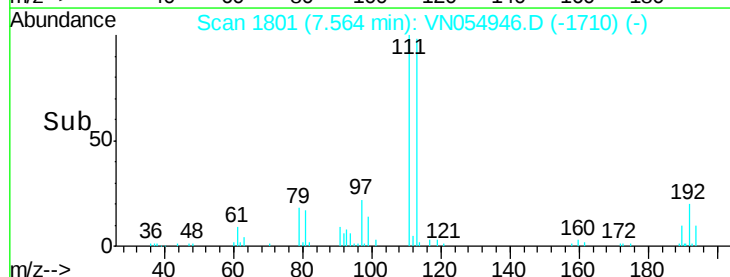
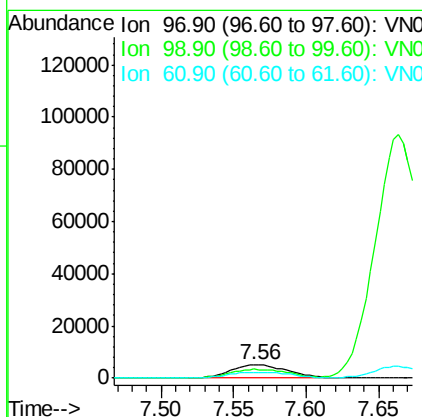
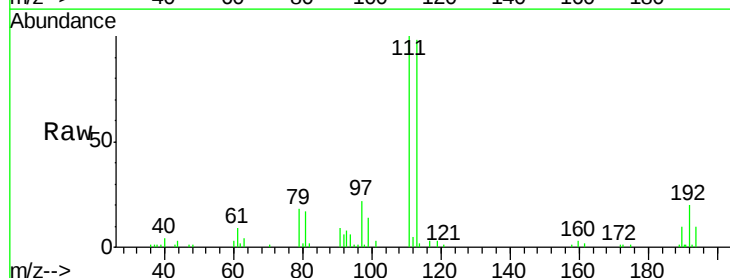
Manual Integrations
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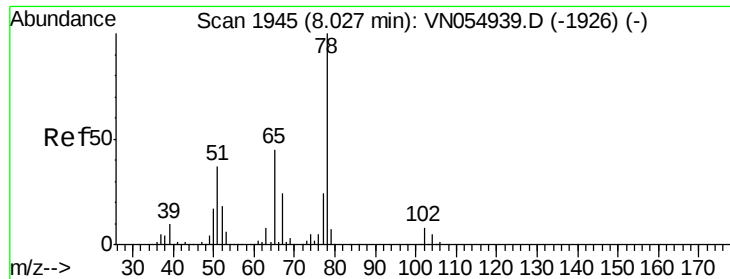
MMDadoda
4/8/2019 1:43:38 PM



#32
1,1,1-Trichloroethane
Concen: 1.935 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.01 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.5	52.1	78.1
61	49.8	39.6	59.4





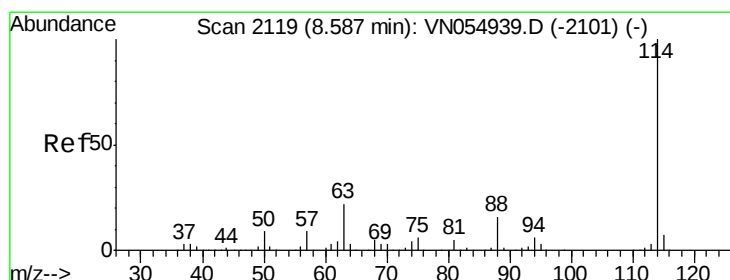
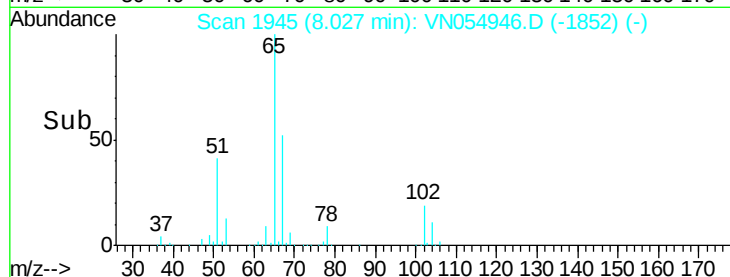
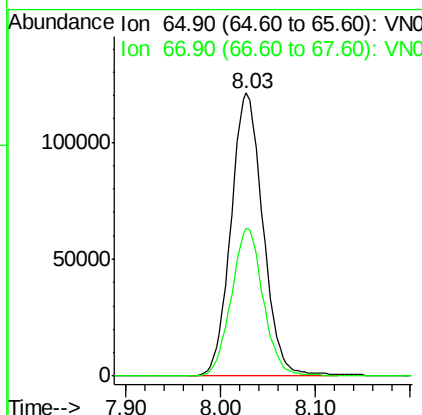
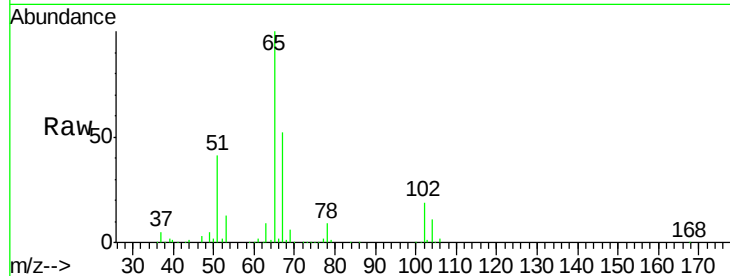
#33
 1,2-Dichloroethane-d4
 Concen: 53.095 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

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

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	285052		
67	51.8	0.0	105.6	

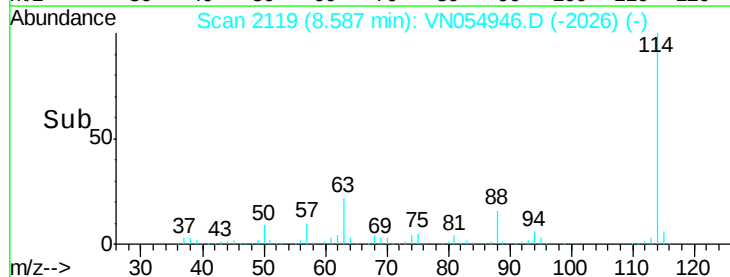
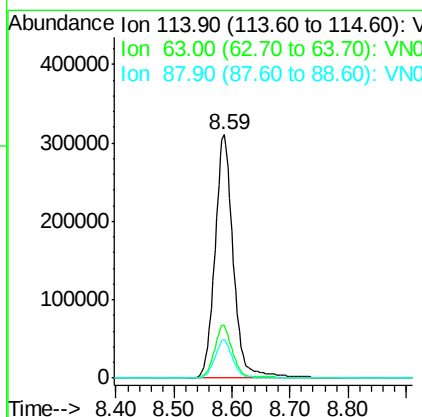
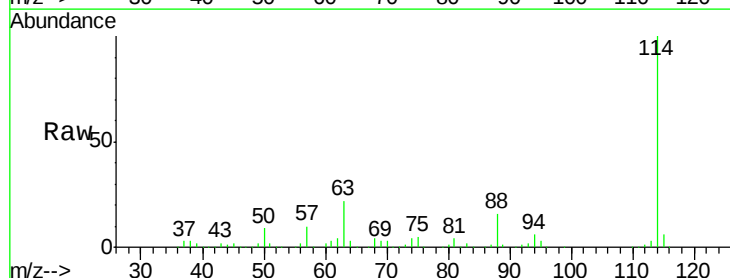
Manual Integrations
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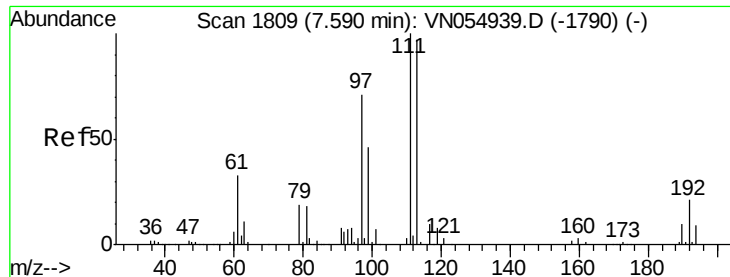
MMDadoda
 4/8/2019 1:43:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	683183		
63	21.6	0.0	44.6	
88	15.9	0.0	32.0	





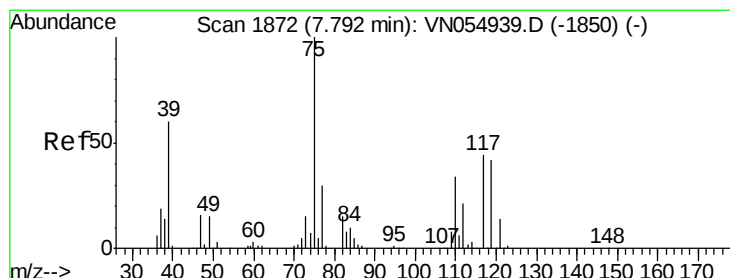
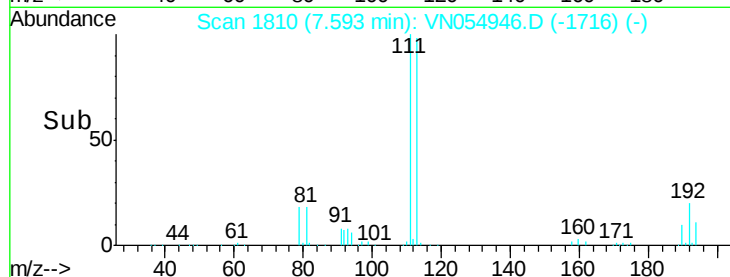
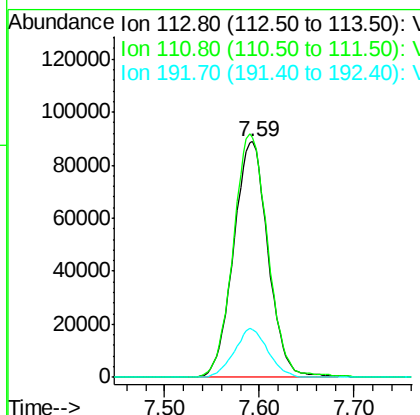
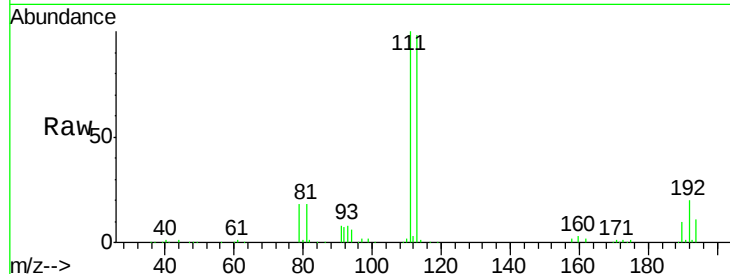
#35
 Dibromofluoromethane
 Concen: 50.559 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

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

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	224849		
111	104.1	81.0	121.4	
192	20.2	16.5	24.7	

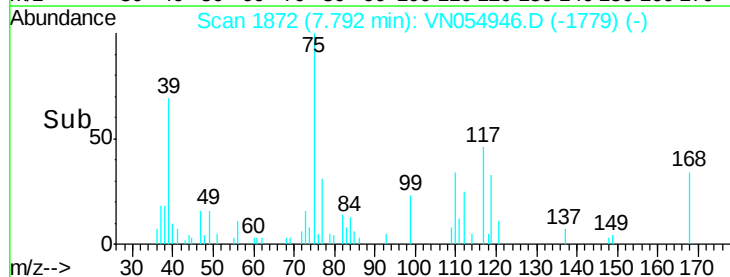
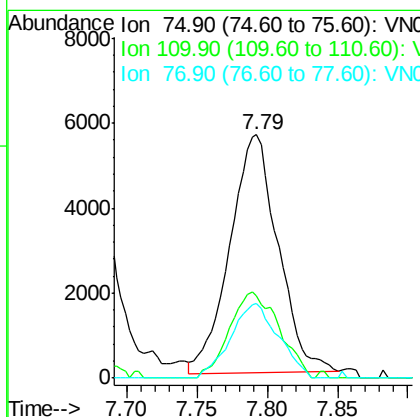
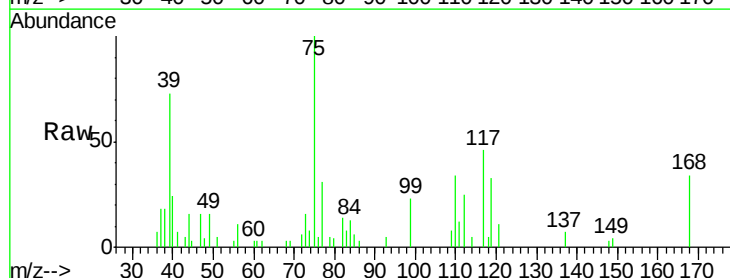
Manual Integrations
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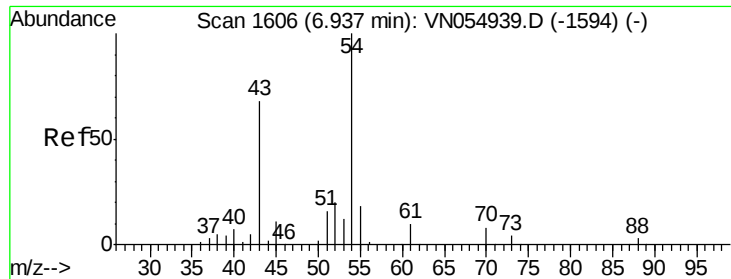
MMDadoda
 4/8/2019 1:43:38 PM



#36
 1,1-Dichloropropene
 Concen: 1.984 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13428		
110	37.2	17.0	50.9	
77	30.9	25.3	37.9	





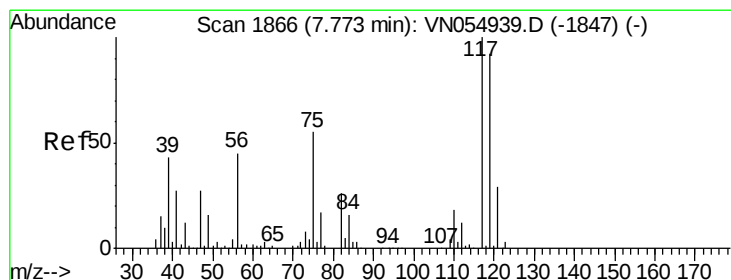
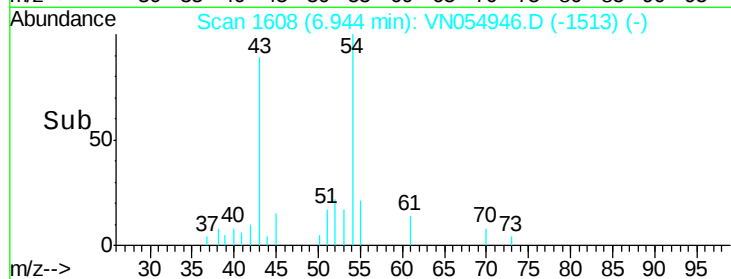
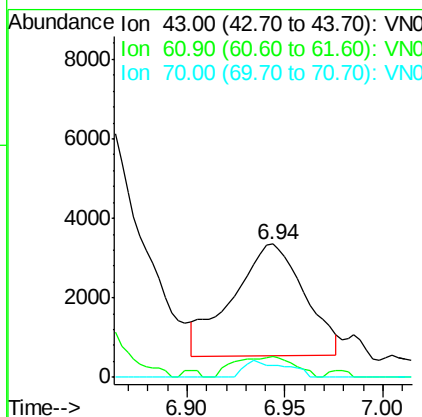
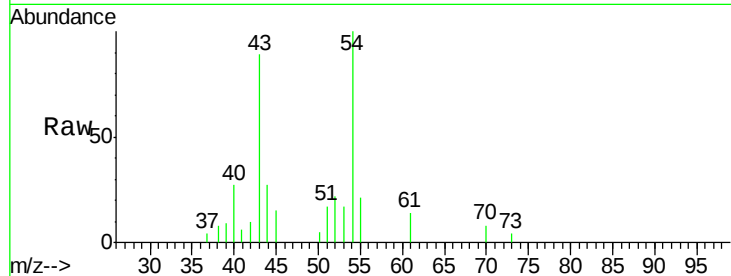
#37
Ethyl Acetate
Concen: 1.545 ug/l m
RT: 6.94 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion: 43 Resp: 7179
Ion Ratio Lower Upper
43 100
61 15.4 10.3 15.5
70 8.5 7.0 10.4

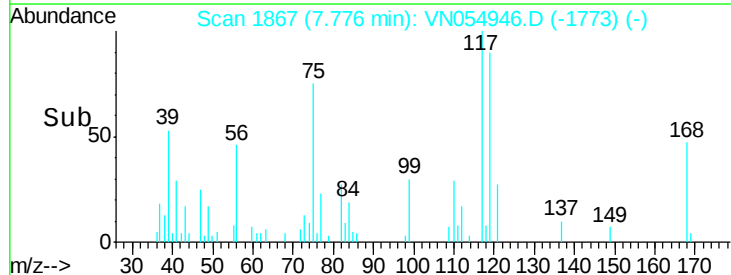
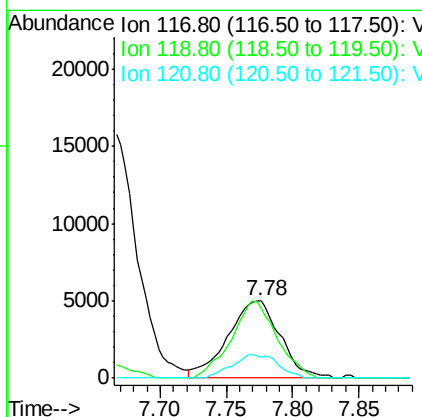
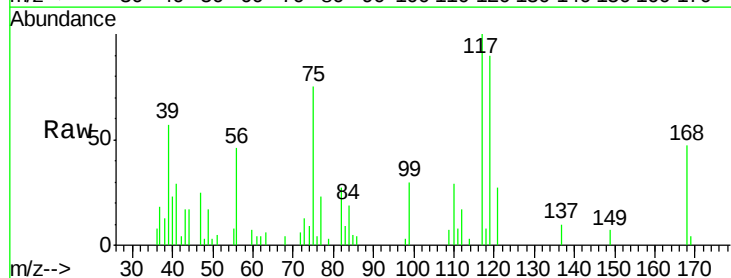
Manual Integrations
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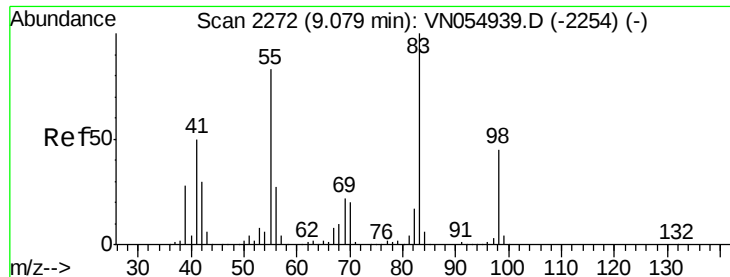
MMDadoda
4/8/2019 1:43:38 PM



#38
Carbon Tetrachloride
Concen: 2.091 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 117 Resp: 13667
Ion Ratio Lower Upper
117 100
119 90.1 73.6 110.4
121 27.2 23.4 35.0





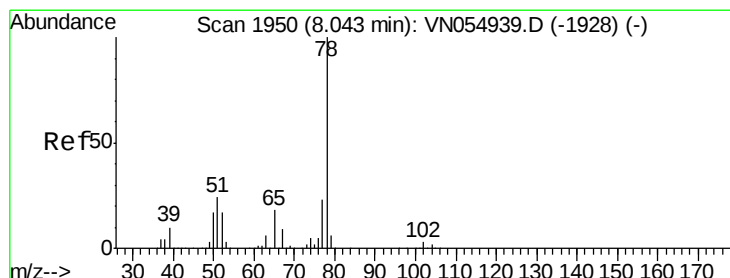
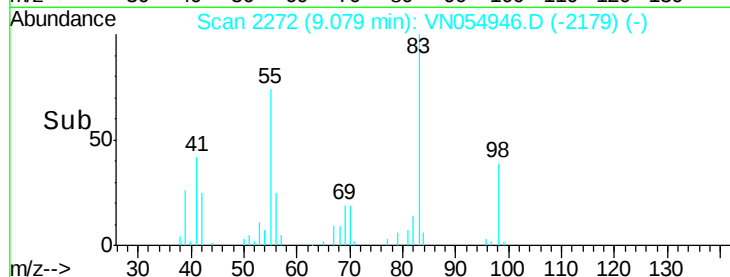
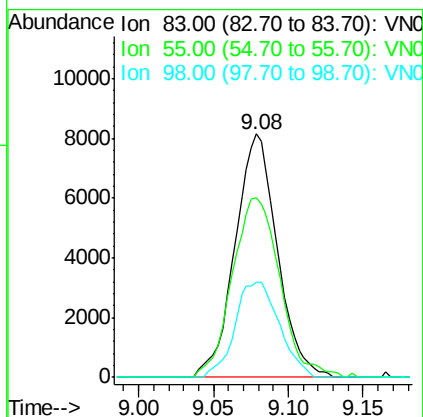
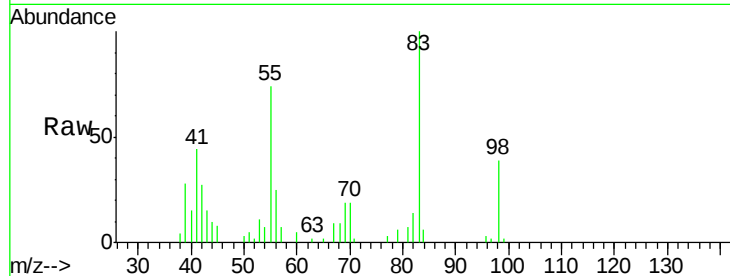
#39
Methylcyclohexane
Concen: 2.151 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	16018		
55	73.6		66.4	99.6
98	39.0		36.4	54.6

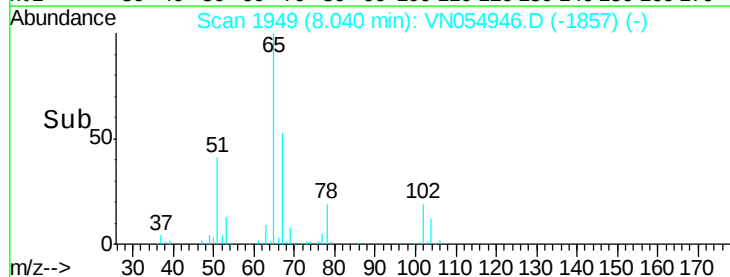
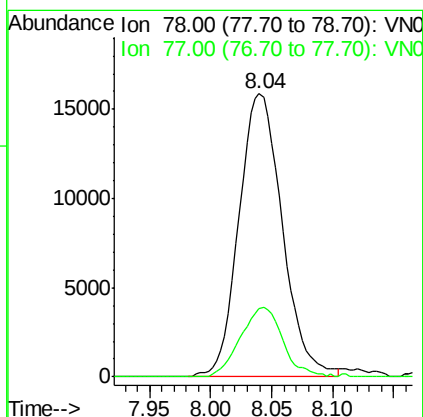
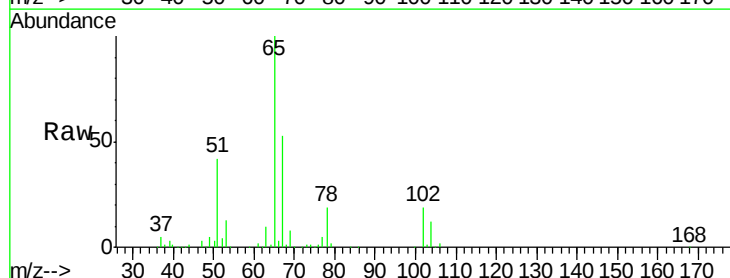
Manual Integrations
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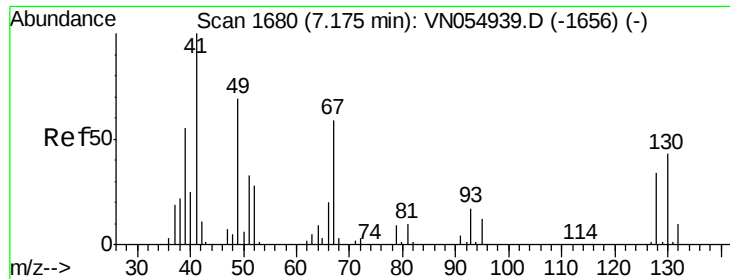
MMDadoda
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#40
Benzene
Concen: 2.003 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	39018		
77	24.1		18.6	27.8





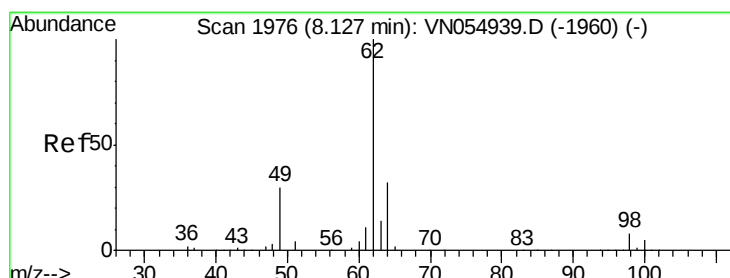
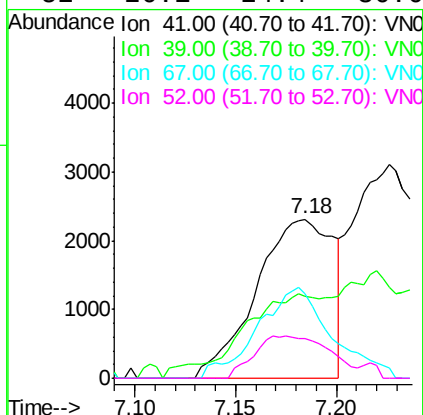
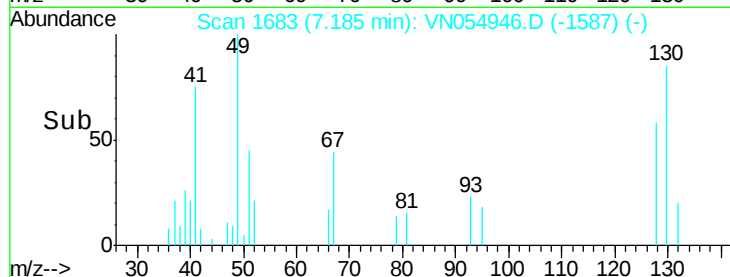
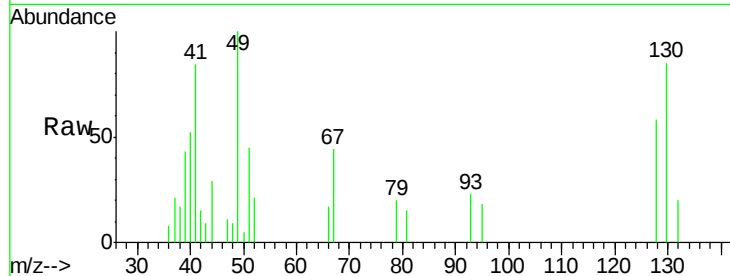
#41
Methacrylonitrile
Concen: 2.303 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.8	43.0	64.6
67	55.0	55.0	82.6#
52	26.1	24.4	36.6

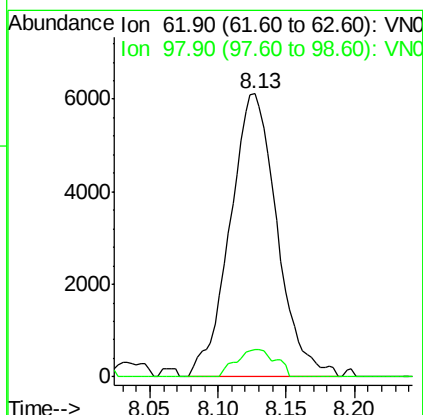
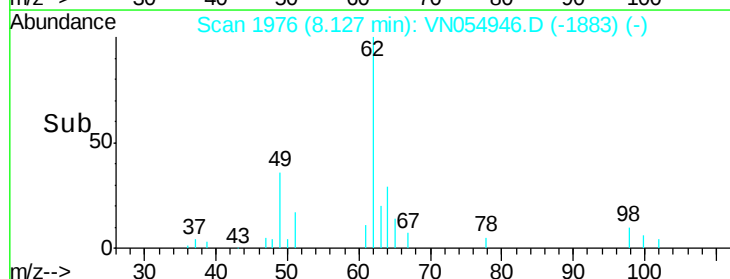
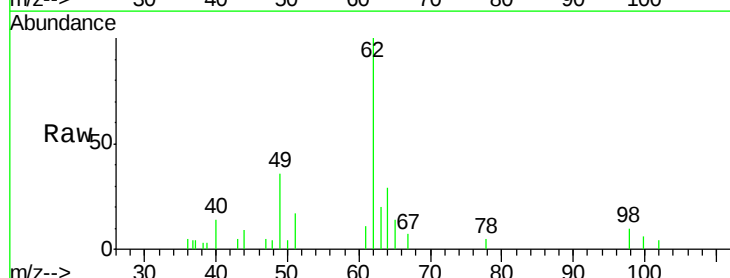
Manual Integrations
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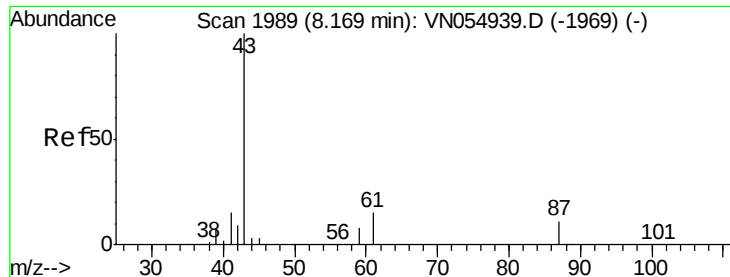
MMDadoda
4/8/2019 1:43:38 PM



#42
1,2-Dichloroethane
Concen: 2.142 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.0





#43

Isopropyl Acetate

Concen: 1.763 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

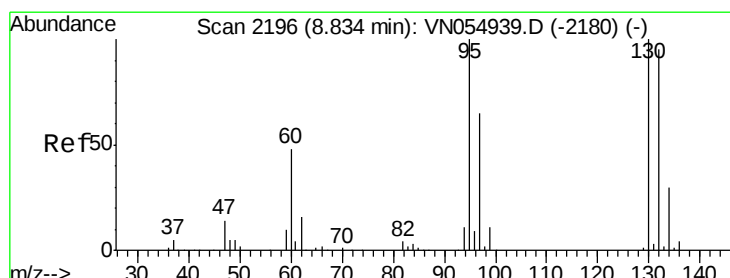
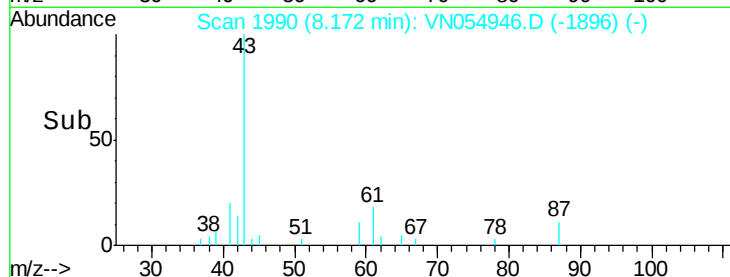
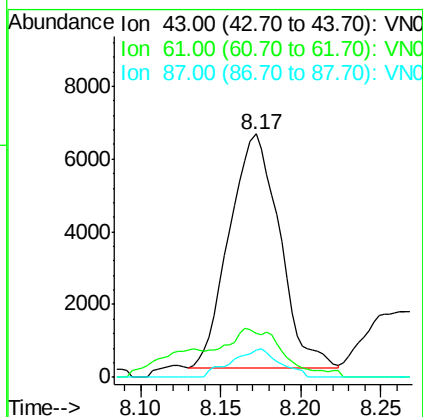
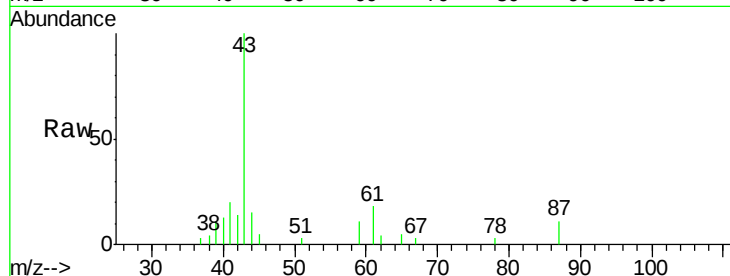
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tgt Ion:	43	Resp:	13803
Ion	Ratio	Lower	Upper
43	100		
61	20.9	14.4	21.6
87	11.5	9.0	13.4

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MMDadoda
4/8/2019 1:43:38 PM



#44

Trichloroethene

Concen: 2.070 ug/l

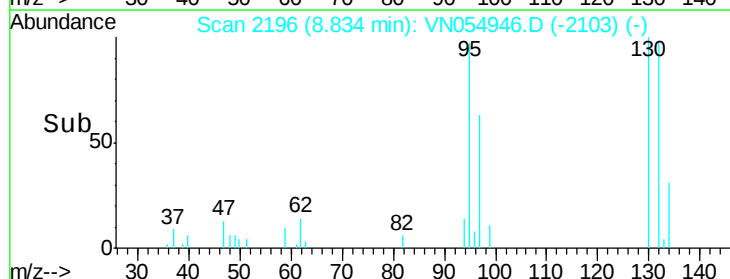
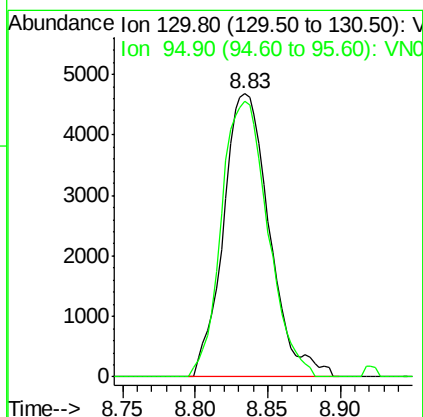
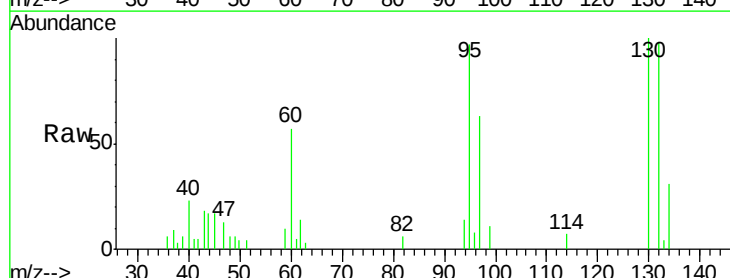
RT: 8.83 min Scan# 2196

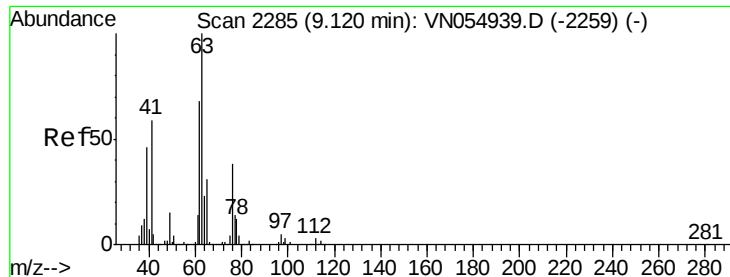
Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Tgt Ion:	130	Resp:	10311
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	200.4





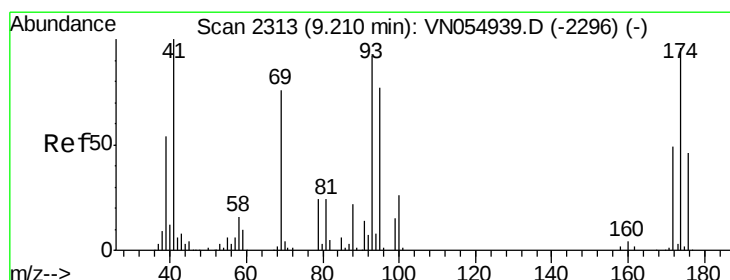
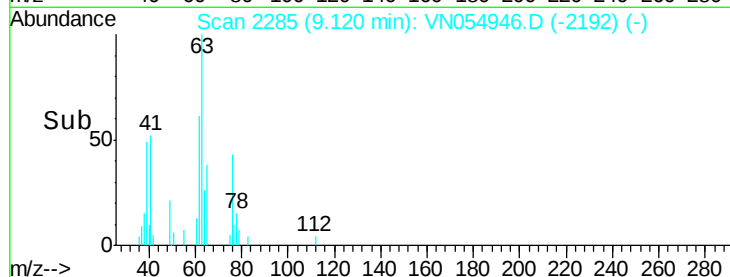
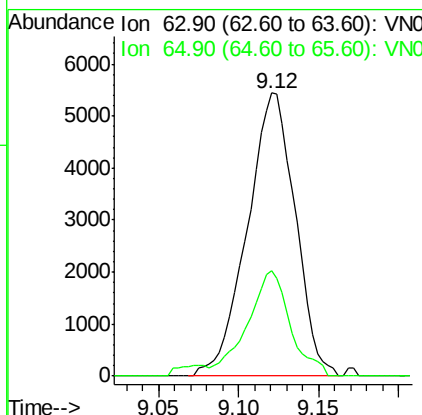
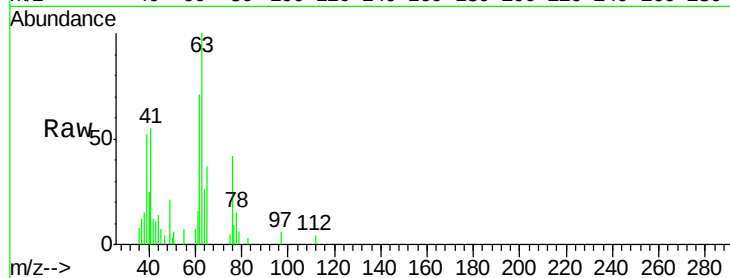
#45
 1,2-Dichloropropane
 Concen: 2.074 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

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

Tgt Ion: 63 Resp: 11258
 Ion Ratio Lower Upper
 63 100
 65 37.1 24.6 37.0#

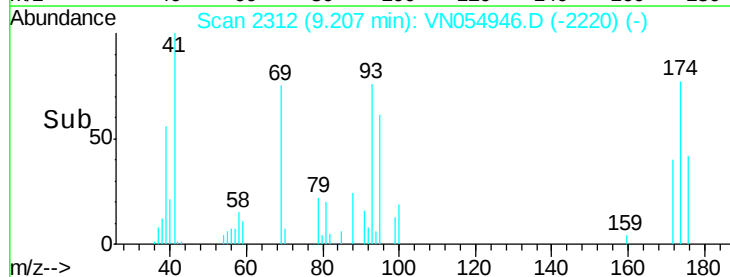
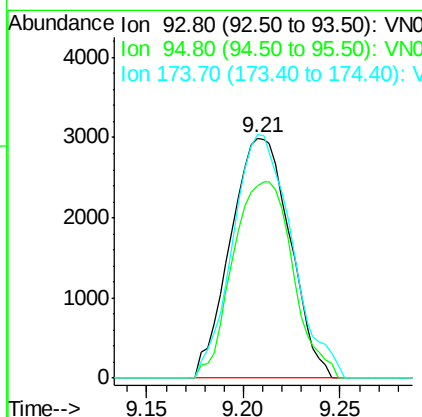
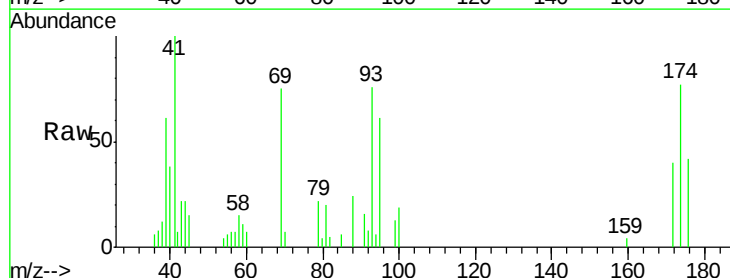
Manual Integrations
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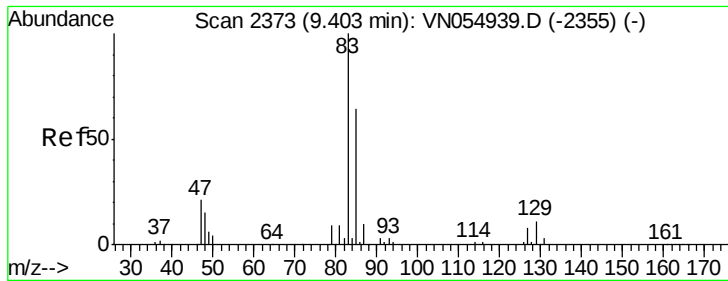
MMDadoda
 4/8/2019 1:43:38 PM



#46
 Dibromomethane
 Concen: 2.074 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 93 Resp: 6382
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.7 100.1
 174 100.8 82.0 123.0





#47

Bromodichloromethane

Concen: 1.963 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

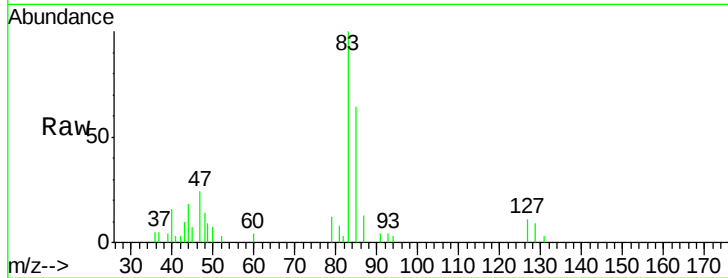
ClientSampleId :

LOQ-WATER-02-QT2-2019

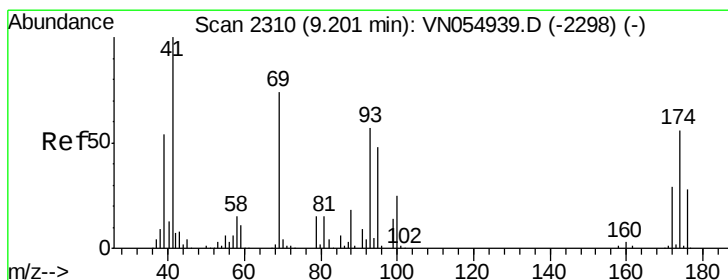
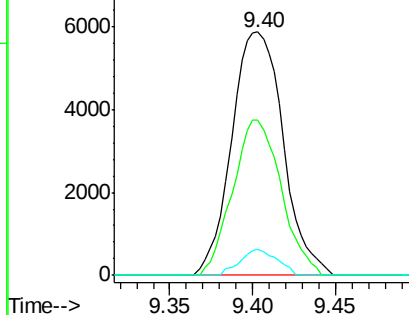
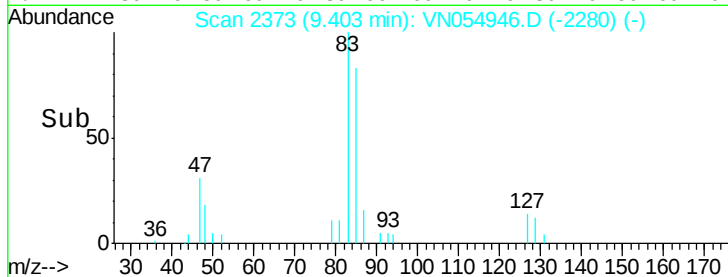
Tgt Ion:	83	Resp:	12689
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.1	76.7
127	10.8	6.7	10.1#

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN054946.D (-2280) (-)



#48

Methyl methacrylate

Concen: 2.165 ug/l

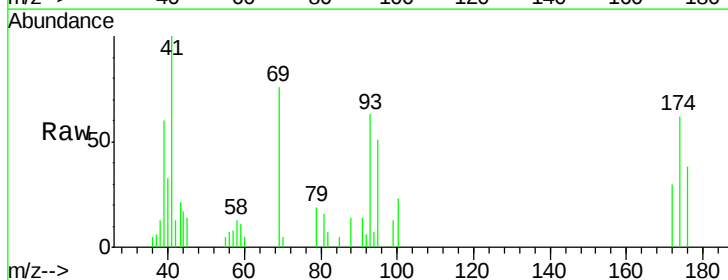
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

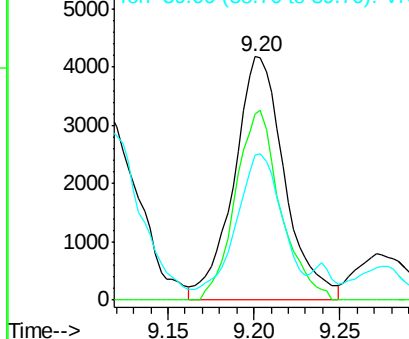
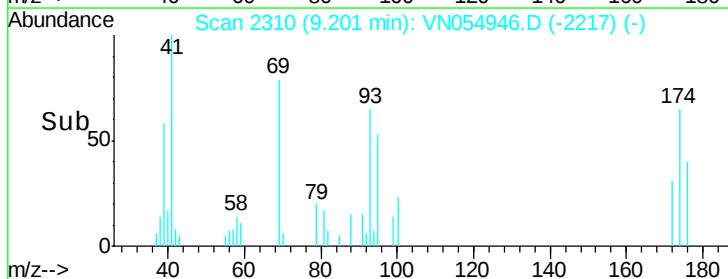
Lab File: VN054946.D

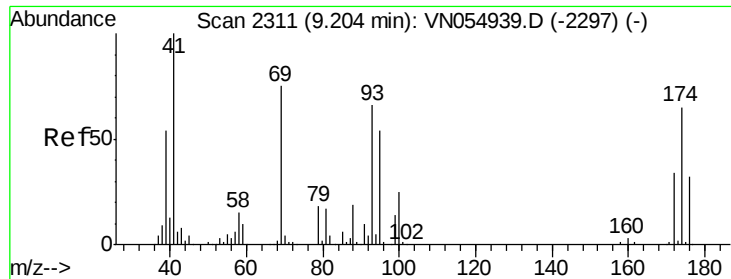
Acq: 4 Apr 2019 14:40

Tgt Ion:	41	Resp:	8580
Ion	Ratio	Lower	Upper
41	100		
69	69.3	58.9	88.3
39	48.8	44.2	66.4



Abundance Ion 41.00 (40.70 to 41.70): VN054946.D (-2217) (-)





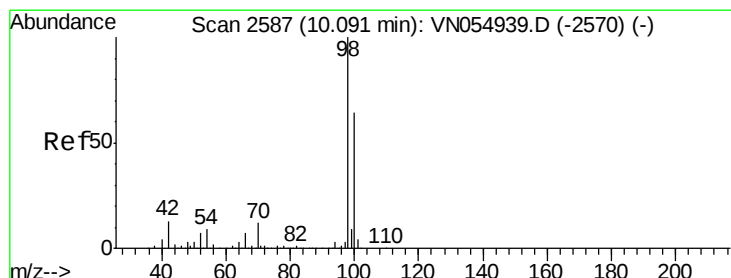
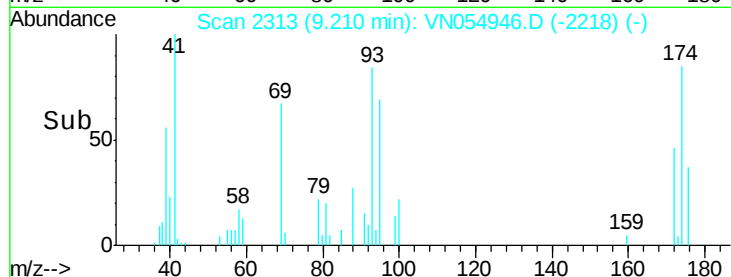
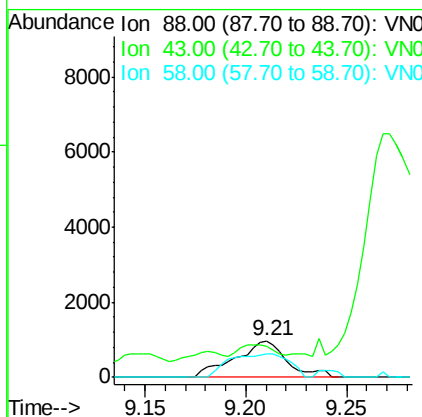
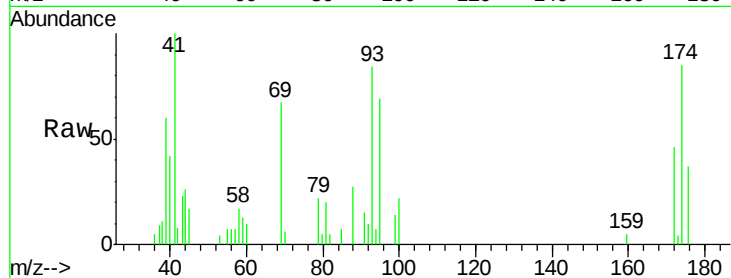
#49
1,4-Dioxane
Concen: 43.721 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.01 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion: 88 Resp: 1749
Ion Ratio Lower Upper
88 100
43 20.8 31.5 47.3#
58 73.6 61.9 92.9

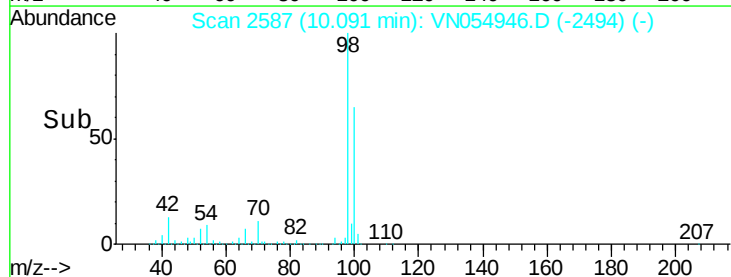
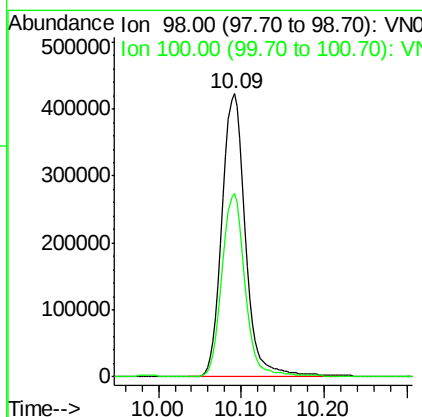
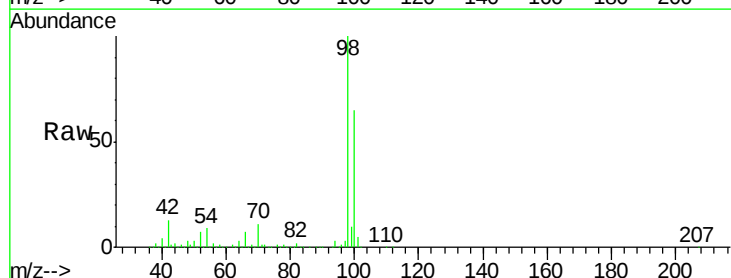
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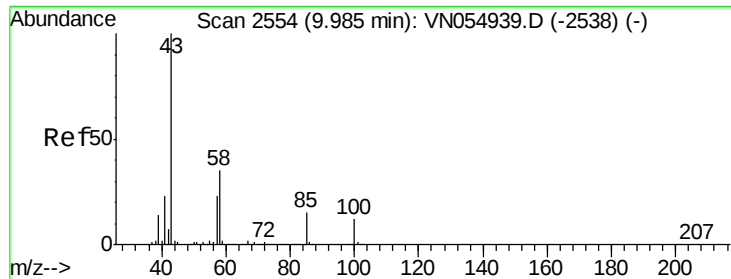
MMDadoda
4/8/2019 1:43:38 PM



#50
Toluene-d8
Concen: 49.319 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 98 Resp: 832241
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3





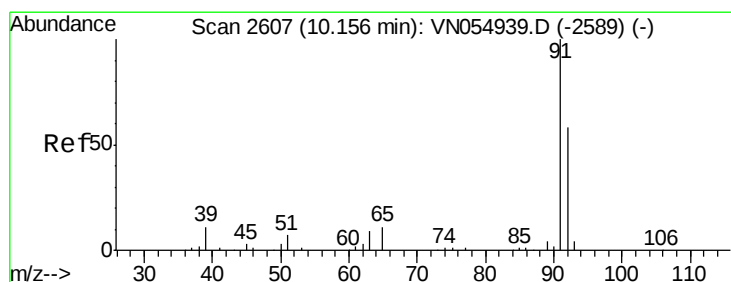
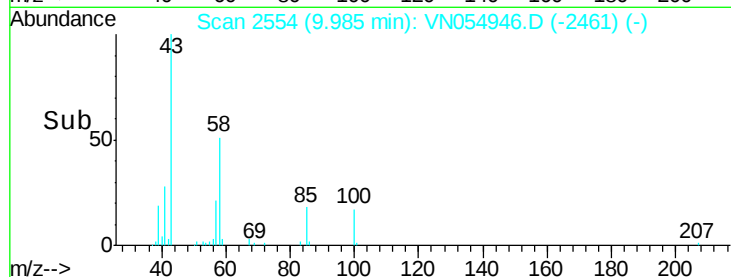
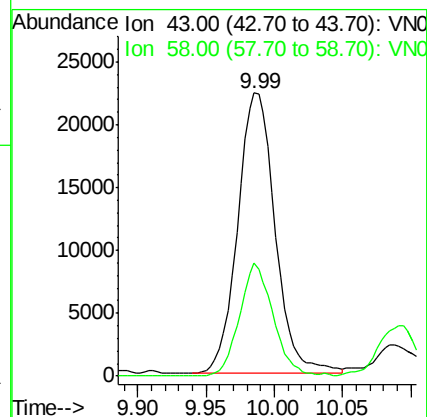
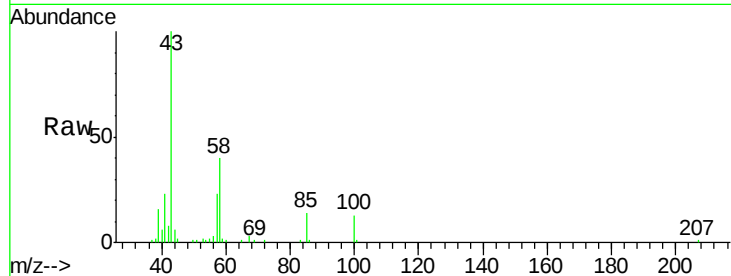
#51
4-Methyl-2-Pentanone
Concen: 9.698 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion: 43 Resp: 42355
Ion Ratio Lower Upper
43 100
58 36.2 28.3 42.5

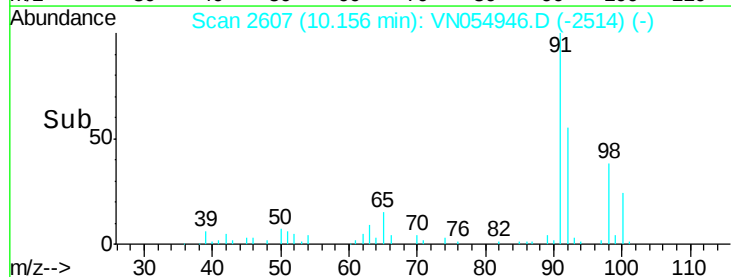
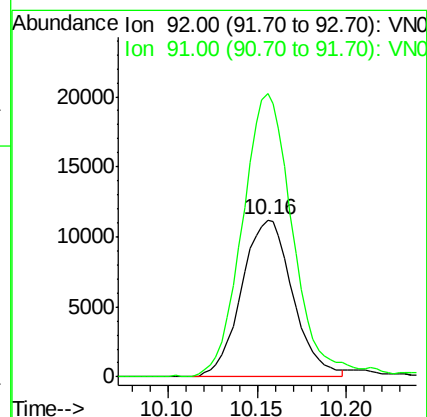
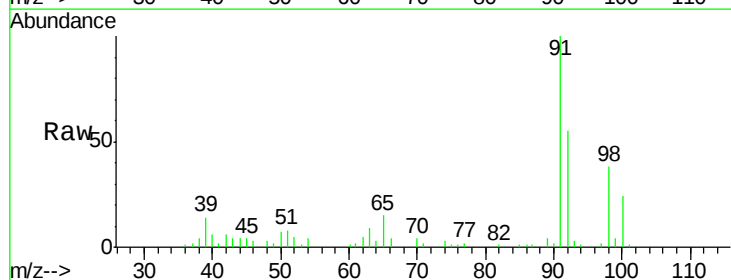
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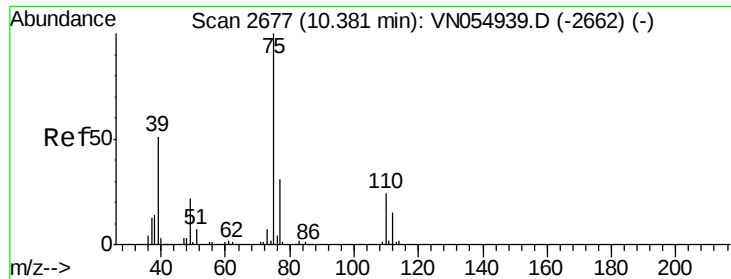
MMDadoda
4/8/2019 1:43:38 PM



#52
Toluene
Concen: 1.950 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 92 Resp: 22389
Ion Ratio Lower Upper
92 100
91 177.1 138.8 208.2





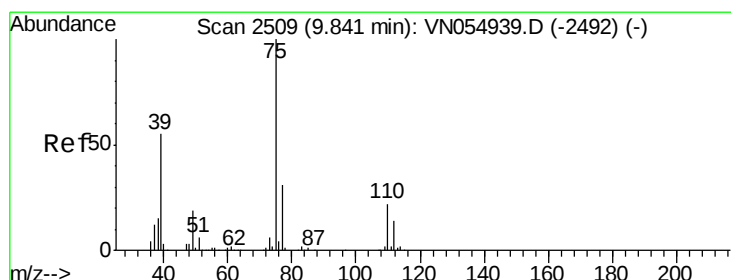
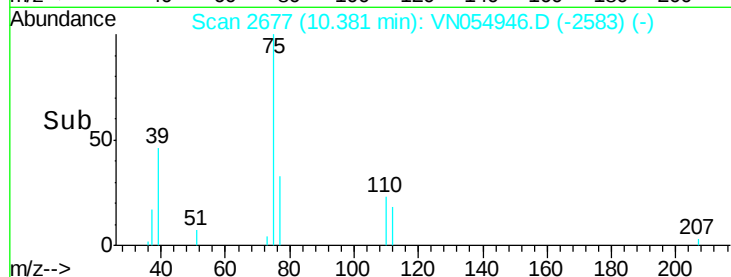
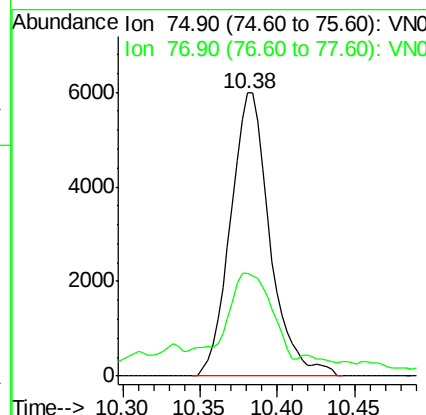
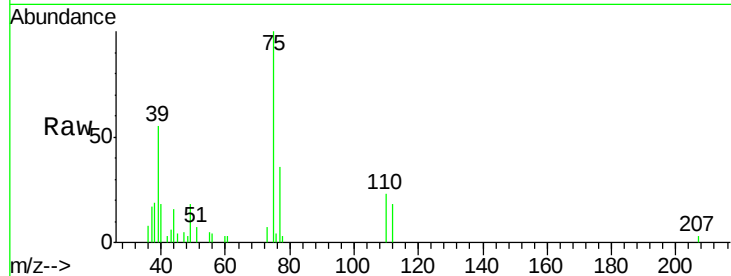
#53
t-1,3-Dichloropropene
Concen: 1.772 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion: 75 Resp: 10569
Ion Ratio Lower Upper
75 100
77 31.0 24.6 36.8

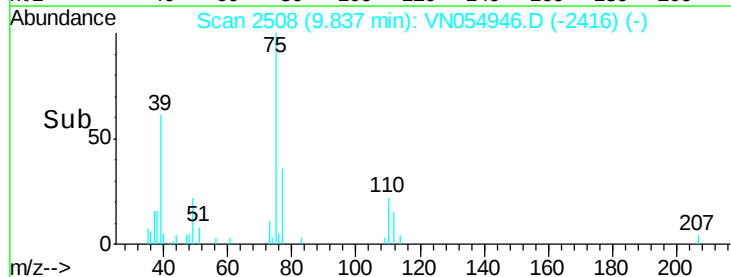
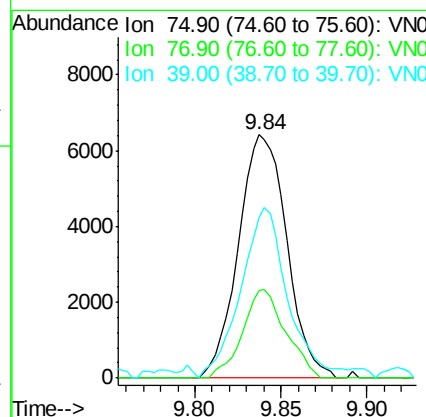
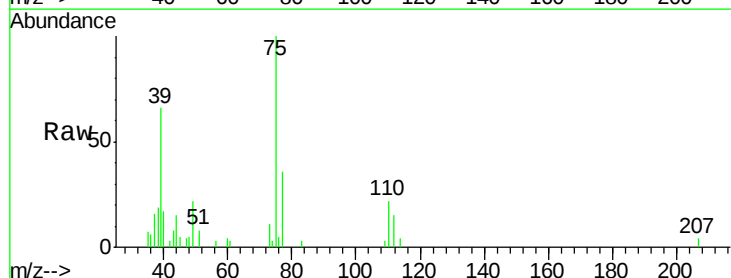
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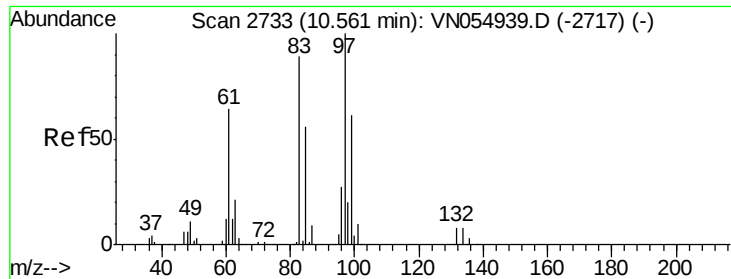
MMDadoda
4/8/2019 1:43:38 PM



#54
cis-1,3-Dichloropropene
Concen: 1.731 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 75 Resp: 12594
Ion Ratio Lower Upper
75 100
77 36.1 25.0 37.4
39 63.2 43.9 65.9





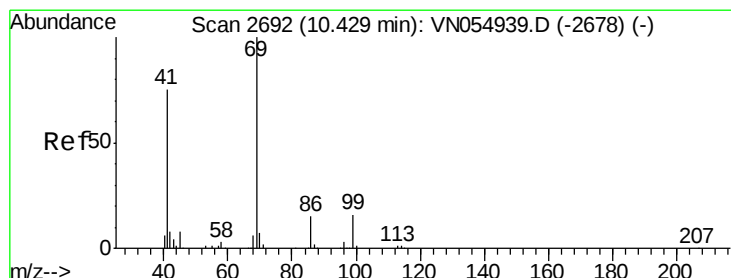
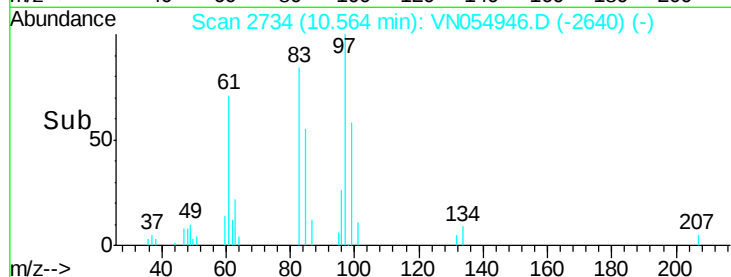
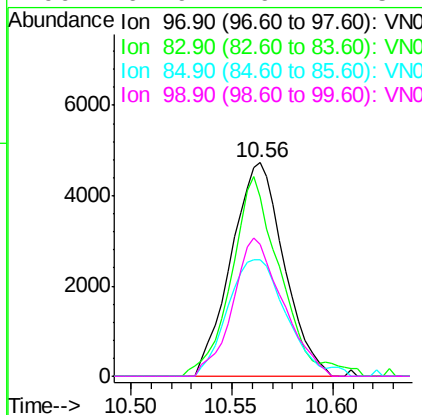
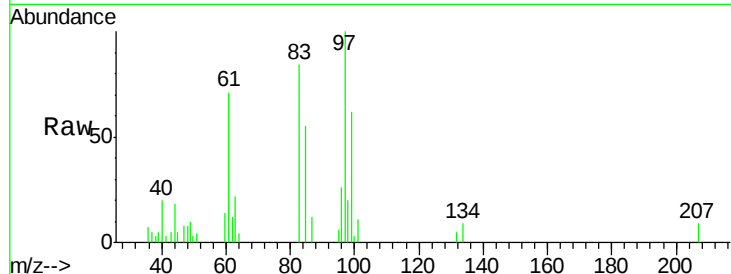
#55
 1,1,2-Trichloroethane
 Concen: 2.072 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

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

Tgt Ion:	97	Resp:	8625
Ion	Ratio	Lower	Upper
97	100		
83	80.9	71.5	107.3
85	54.6	45.0	67.6
99	61.9	49.1	73.7

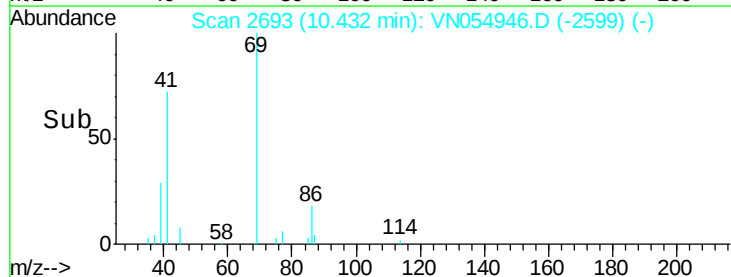
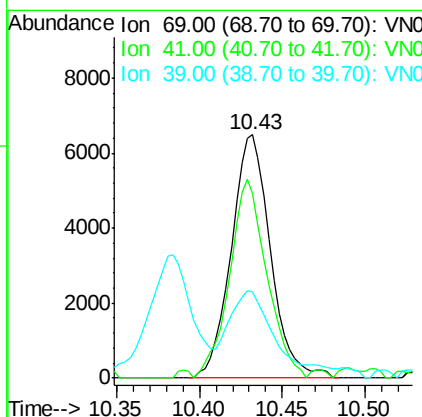
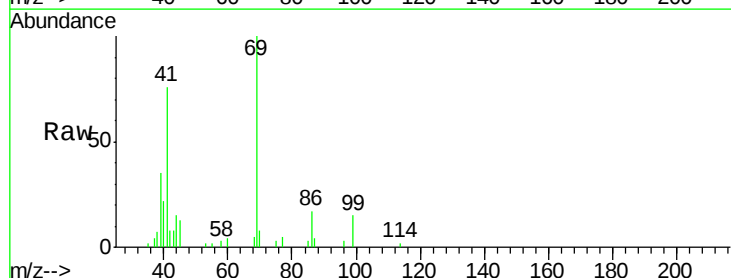
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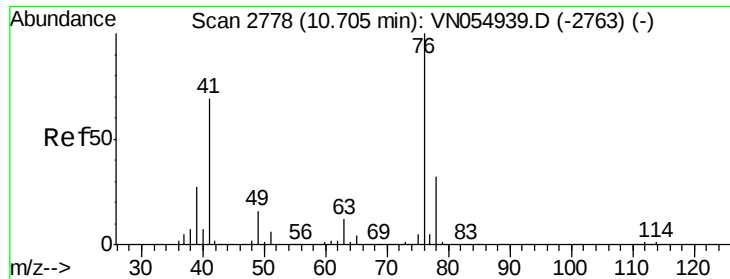
MMDadoda
 4/8/2019 1:43:38 PM



#56
 Ethyl methacrylate
 Concen: 1.964 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion:	69	Resp:	10689
Ion	Ratio	Lower	Upper
69	100		
41	77.6	60.2	90.2
39	33.6	31.3	46.9





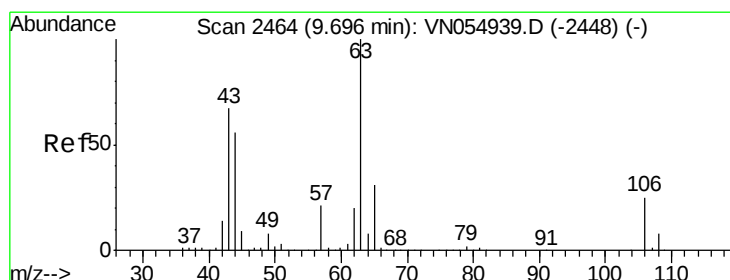
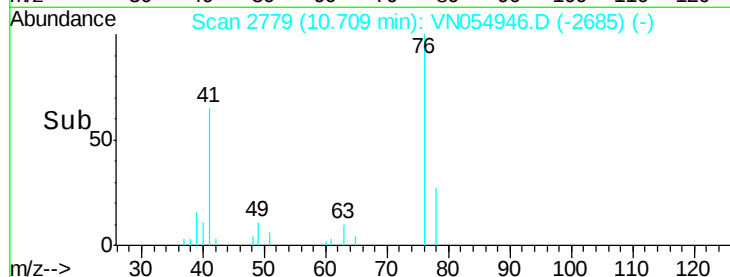
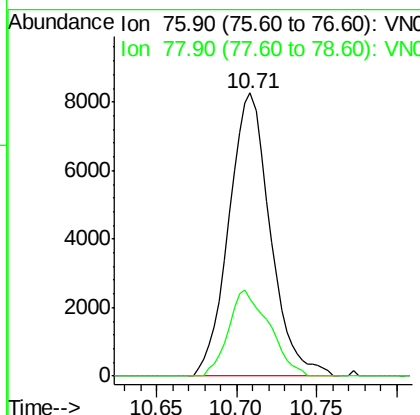
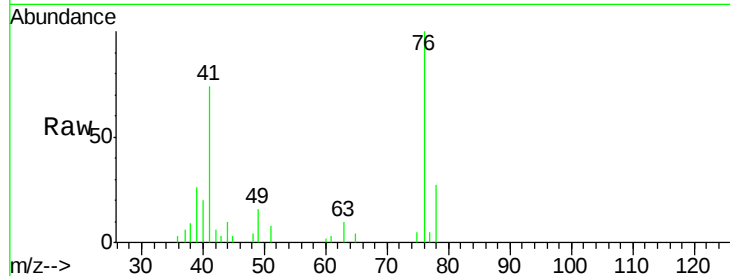
#57
 1,3-Dichloropropane
 Concen: 2.005 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

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

Tgt Ion: 76 Resp: 14574
 Ion Ratio Lower Upper
 76 100
 78 29.9 25.9 38.9

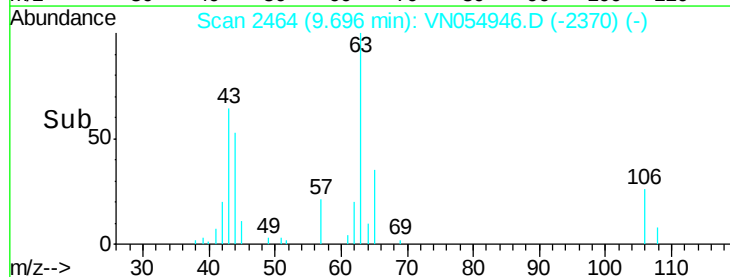
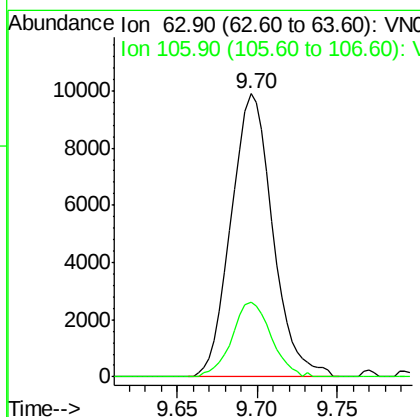
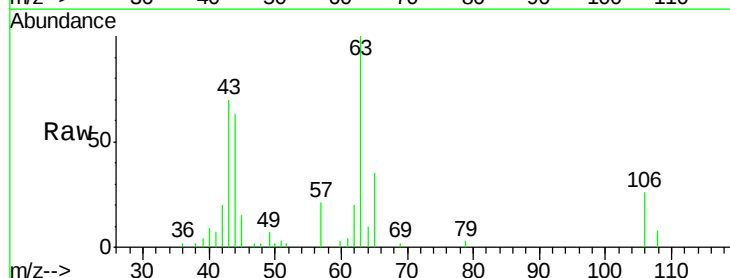
Manual Integrations
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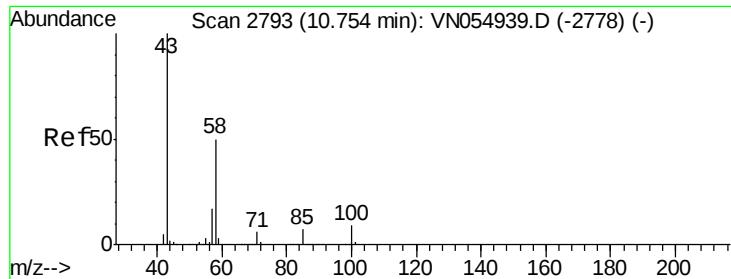
MMDadoda
 4/8/2019 1:43:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 8.183 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 63 Resp: 17598
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.7 29.5





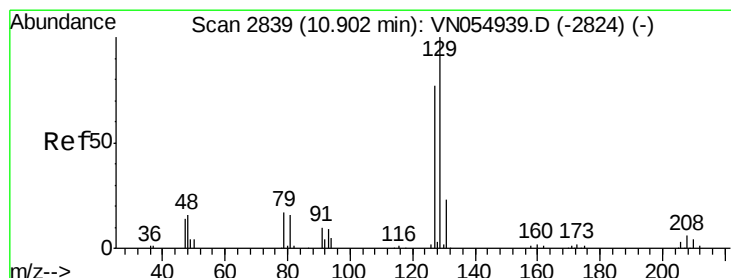
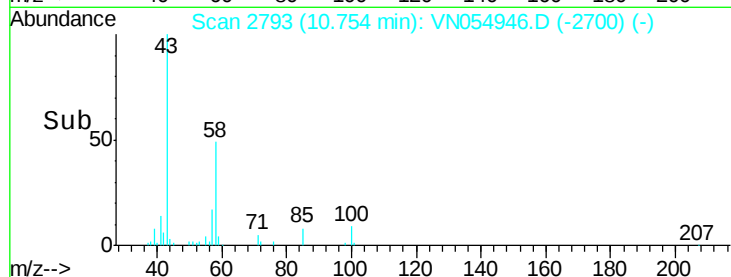
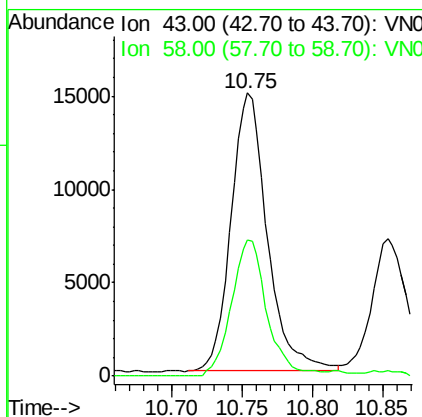
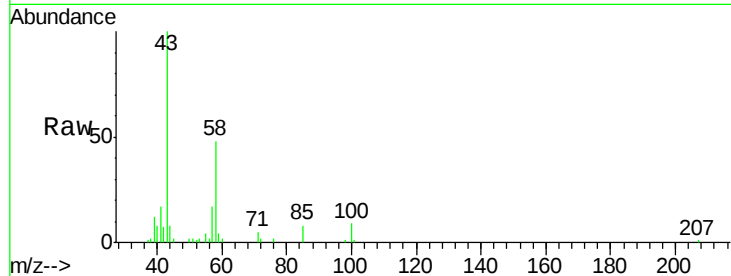
#59
2-Hexanone
Concen: 9.873 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion: 43 Resp: 26935
Ion Ratio Lower Upper
43 100
58 47.6 24.6 73.8

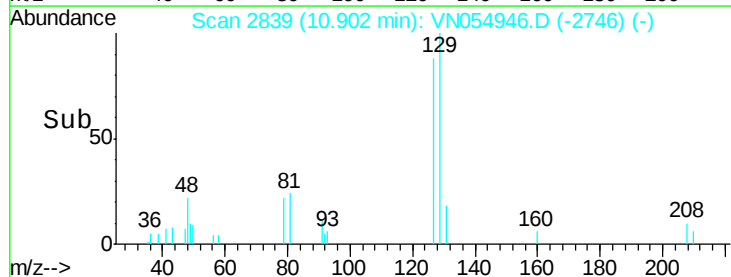
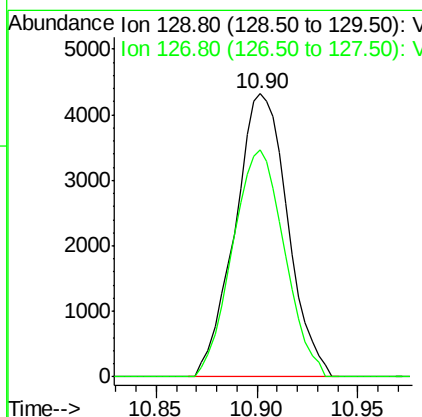
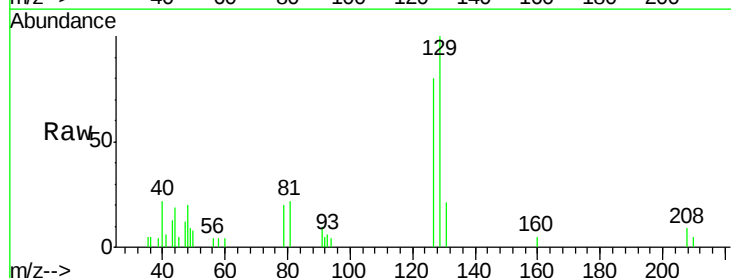
Manual Integrations
APPROVED

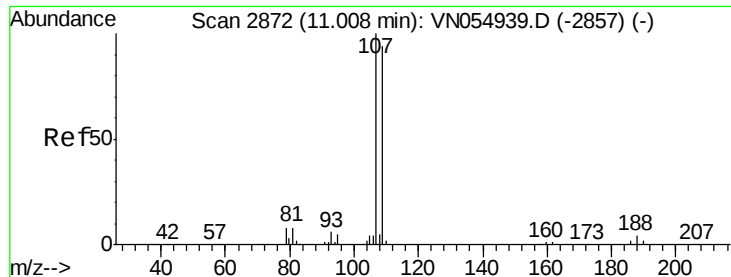
MMDadoda
4/8/2019 1:43:38 PM



#60
Dibromochloromethane
Concen: 1.807 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 129 Resp: 7880
Ion Ratio Lower Upper
129 100
127 79.1 38.4 115.2





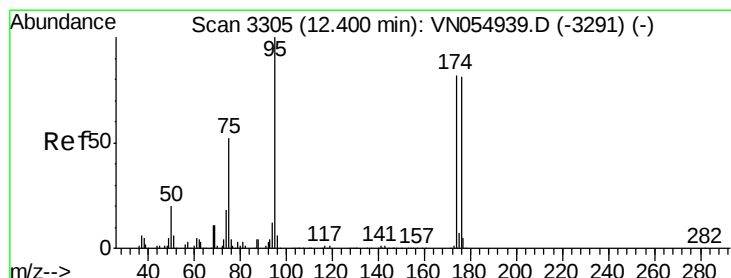
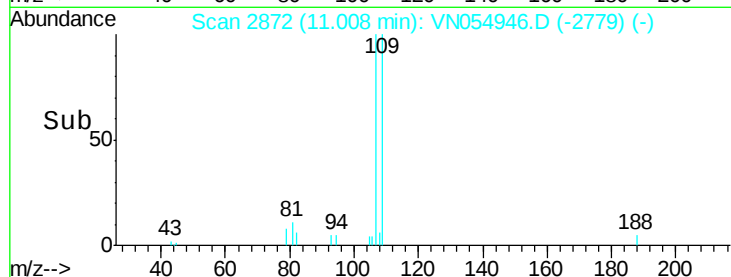
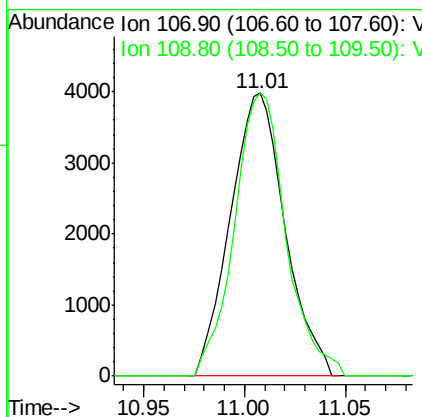
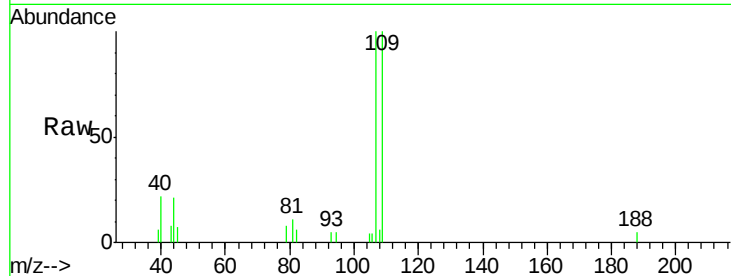
#61
 1,2-Dibromoethane
 Concen: 1.925 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

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

Tgt Ion: 107 Resp: 7536
 Ion Ratio Lower Upper
 107 100
 109 94.7 74.6 112.0

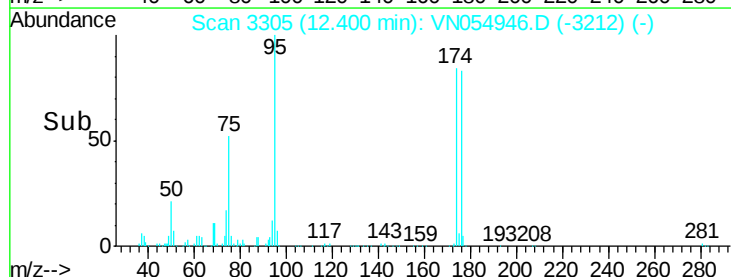
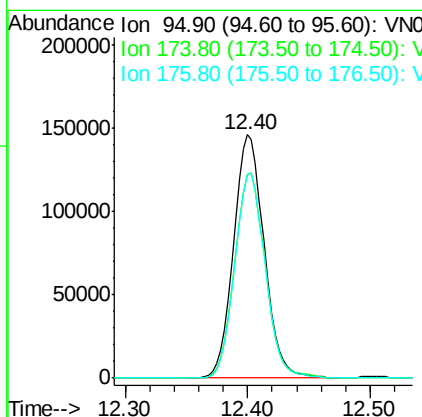
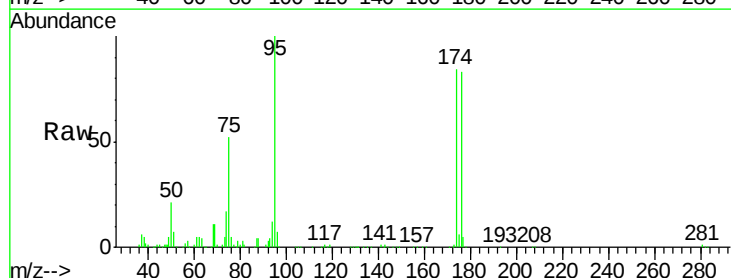
Manual Integrations
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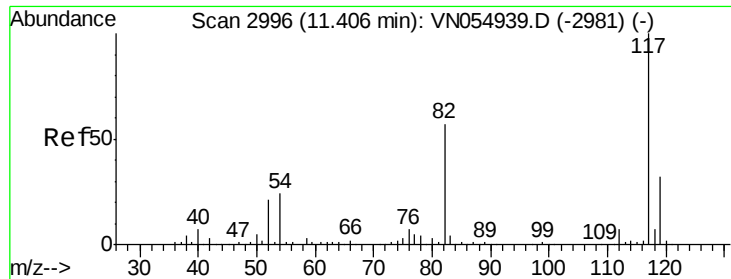
MMDadoda
 4/8/2019 1:43:38 PM



#62
 4-Bromofluorobenzene
 Concen: 45.108 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion: 95 Resp: 254025
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 166.2
 176 83.9 0.0 163.2





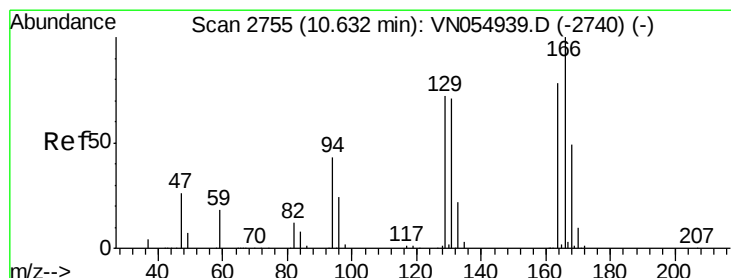
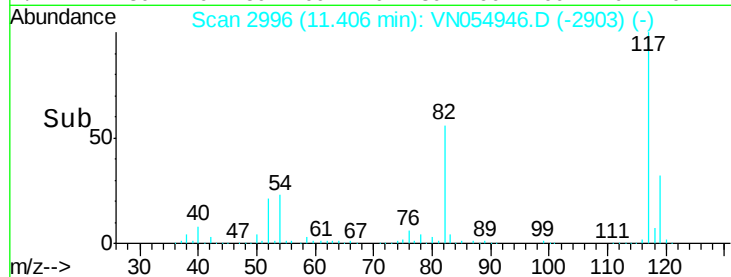
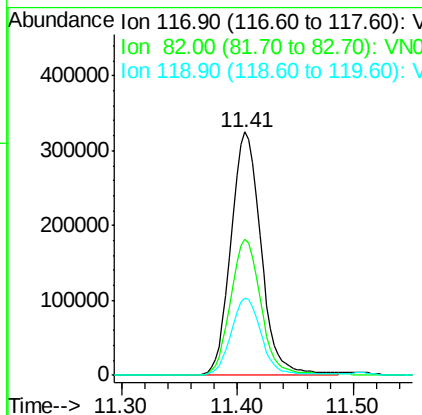
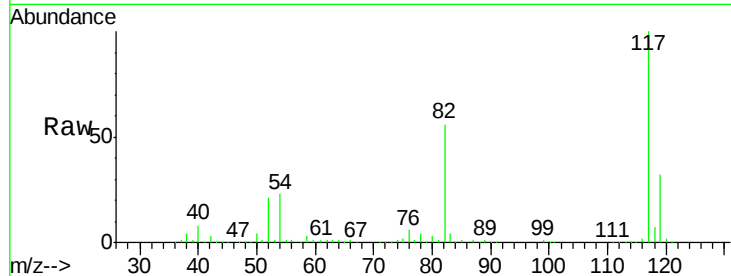
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion:117 Resp: 584221
Ion Ratio Lower Upper
117 100
82 56.1 45.3 67.9
119 32.0 25.8 38.6

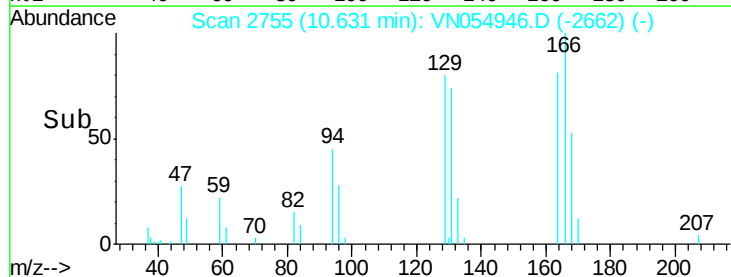
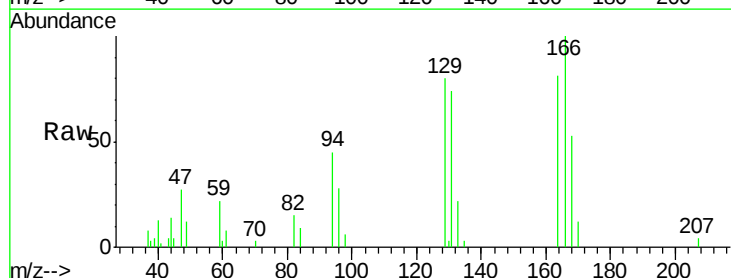
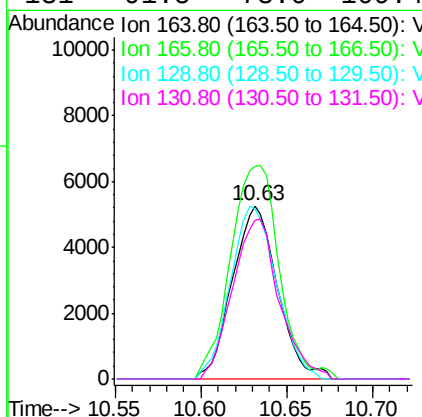
Manual Integrations
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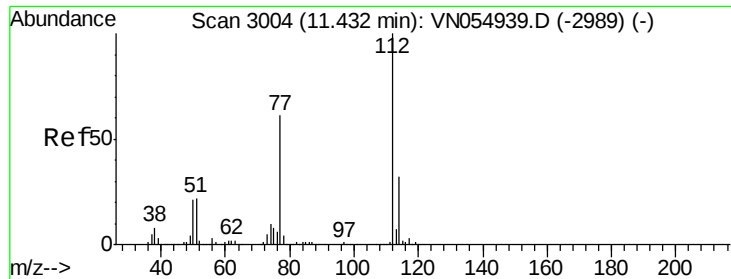
MMDadoda
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#64
Tetrachloroethene
Concen: 2.039 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion:164 Resp: 9608
Ion Ratio Lower Upper
164 100
166 123.0 103.1 154.7
129 98.5 73.9 110.9
131 91.5 73.0 109.4





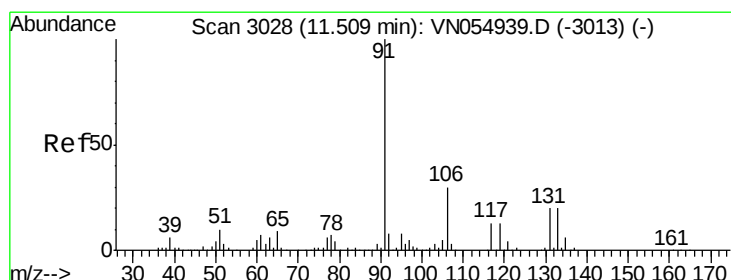
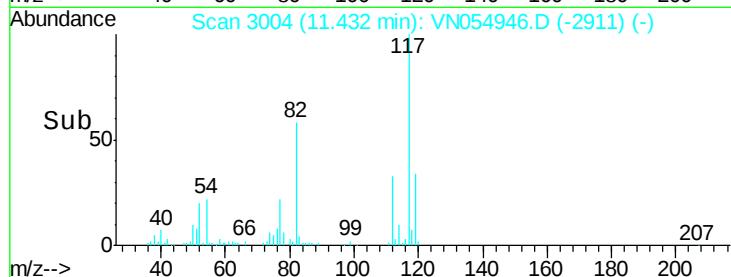
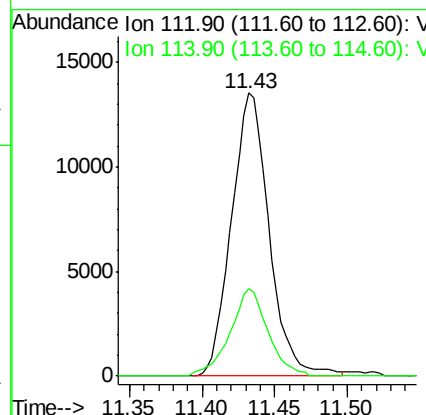
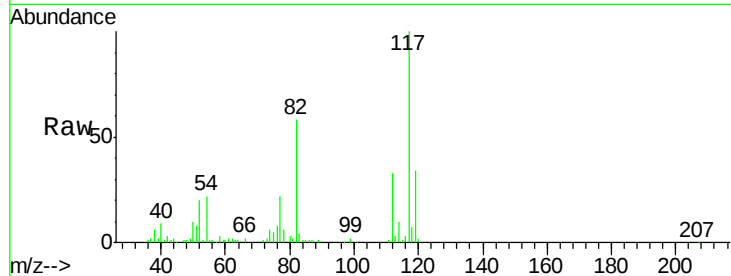
#65
Chlorobenzene
Concen: 2.051 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion:112 Resp: 24421
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.0

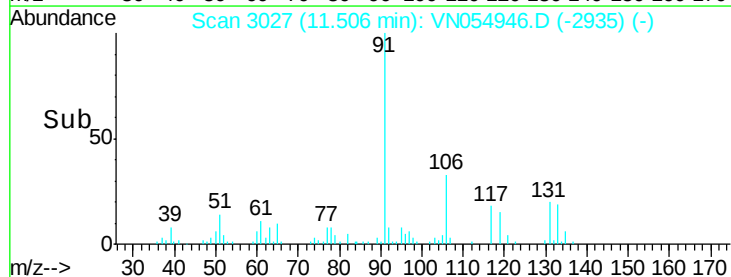
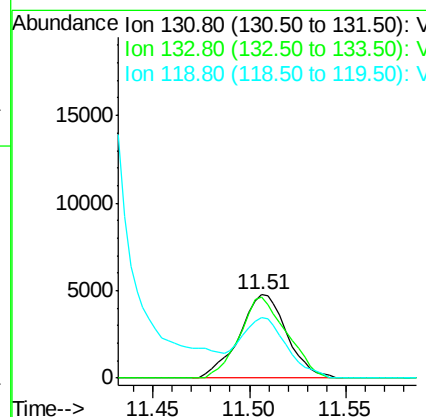
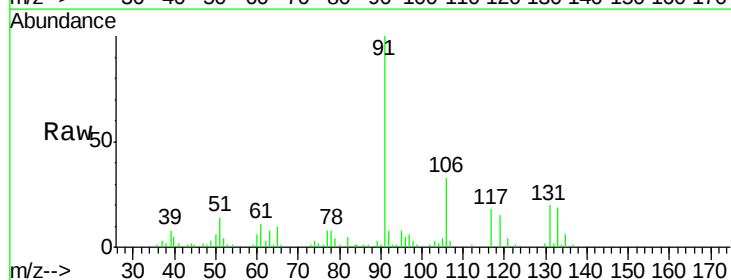
Manual Integrations
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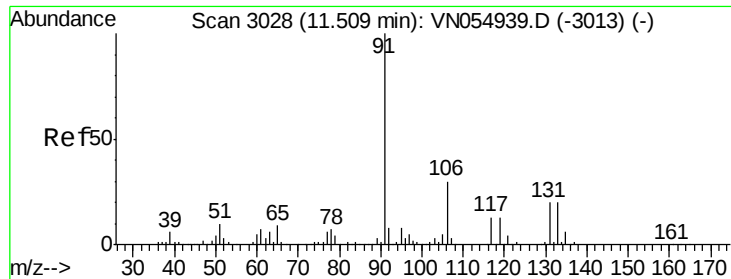
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 1.871 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion:131 Resp: 8156
Ion Ratio Lower Upper
131 100
133 95.9 48.1 144.4
119 71.6 33.1 99.2





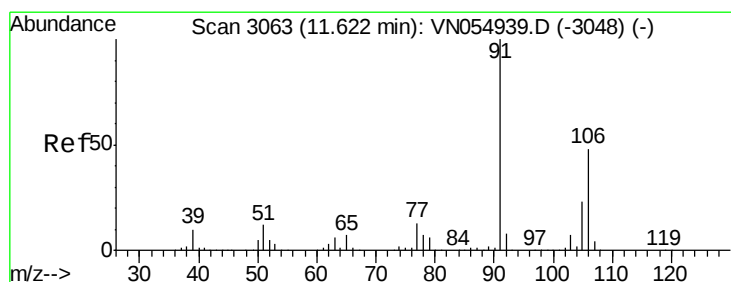
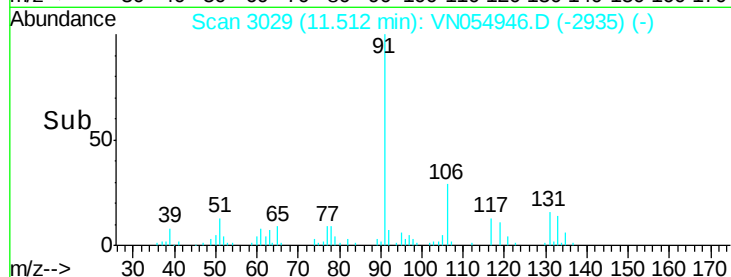
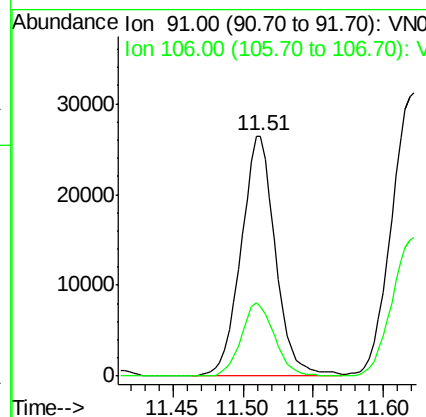
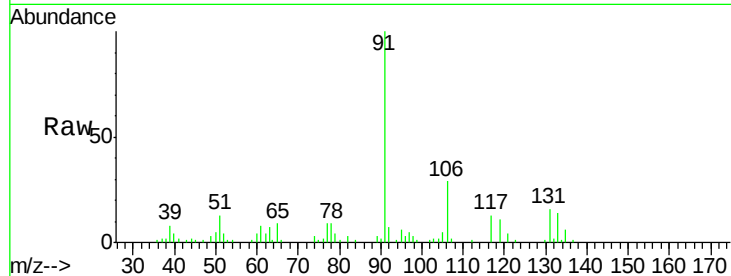
#67
Ethyl Benzene
Concen: 2.104 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion: 91 Resp: 45174
Ion Ratio Lower Upper
91 100
106 29.2 24.1 36.1

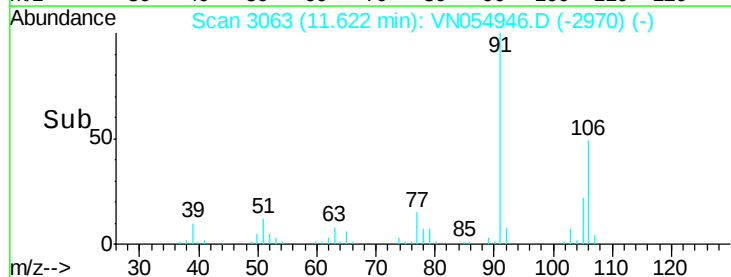
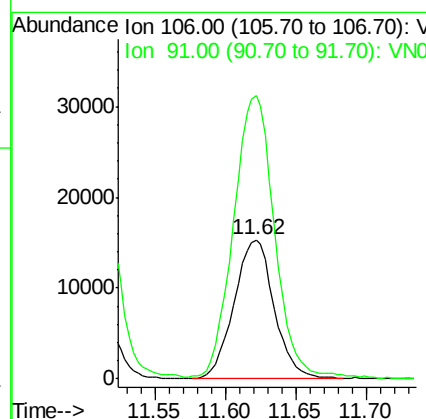
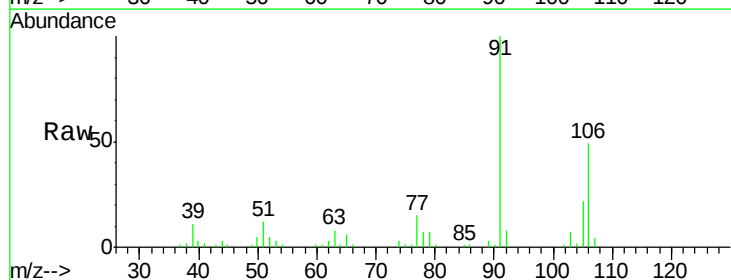
Manual Integrations
APPROVED

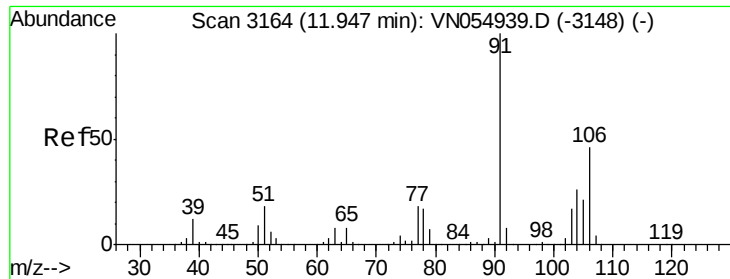
MMDadoda
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#68
m/p-Xylenes
Concen: 3.886 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 106 Resp: 30501
Ion Ratio Lower Upper
106 100
91 210.3 167.4 251.2





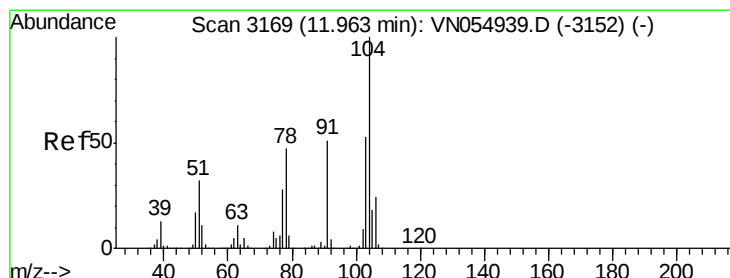
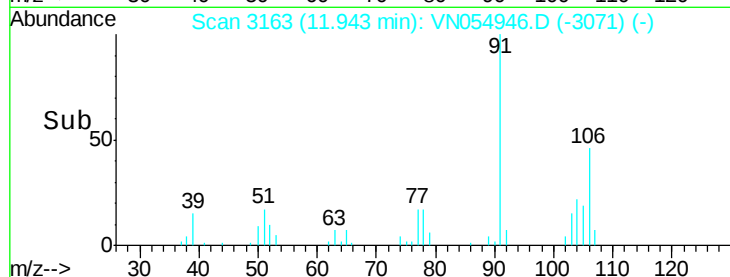
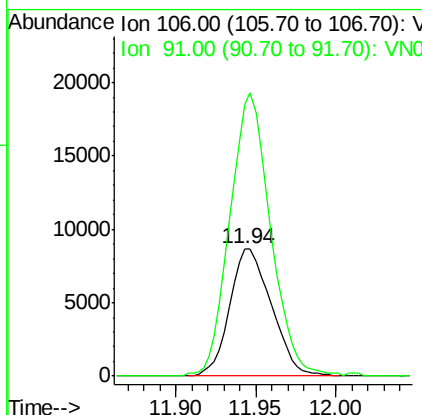
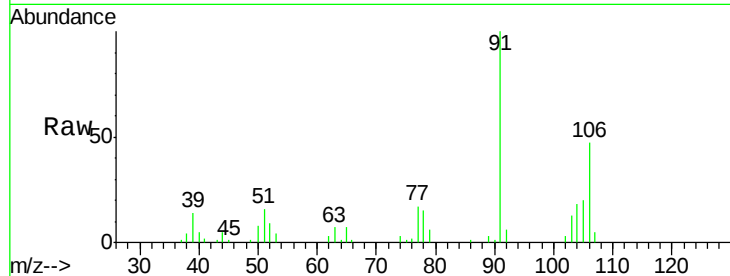
#69
o-Xylene
Concen: 2.018 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion:106 Resp: 15449
Ion Ratio Lower Upper
106 100
91 216.3 109.9 329.7

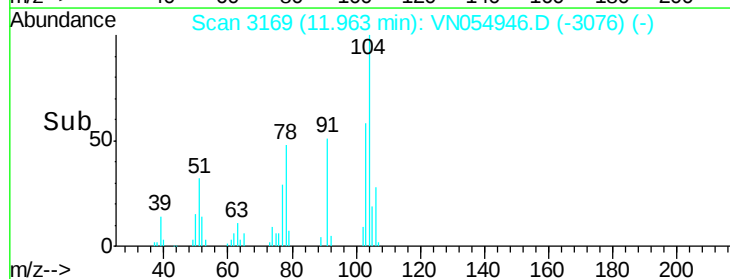
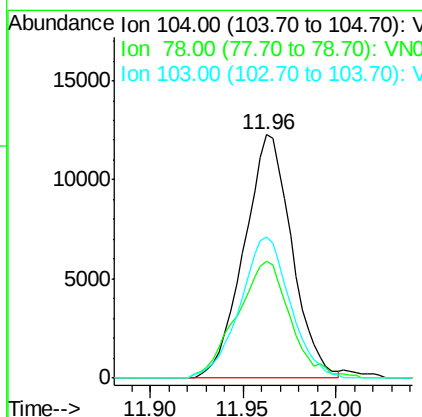
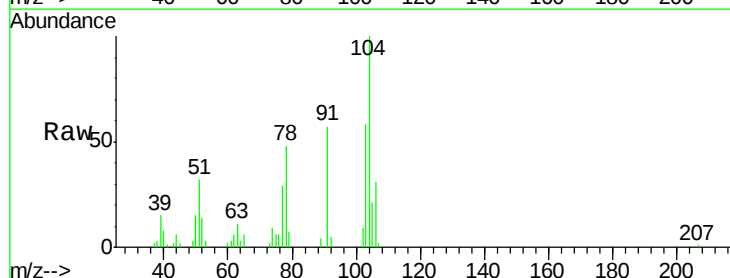
Manual Integrations
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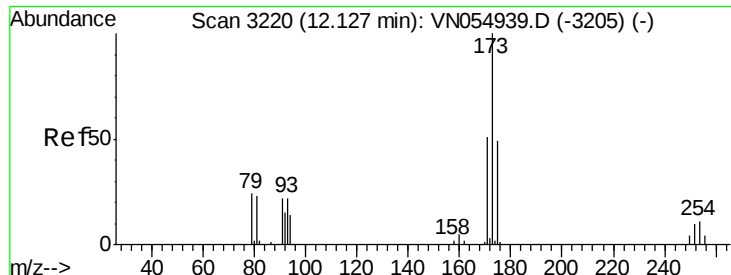
MMDadoda
4/8/2019 1:43:38 PM



#70
Styrene
Concen: 1.792 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion:104 Resp: 22000
Ion Ratio Lower Upper
104 100
78 53.6 41.1 61.7
103 60.8 45.0 67.4





#71

Bromoform

Concen: 1.526 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

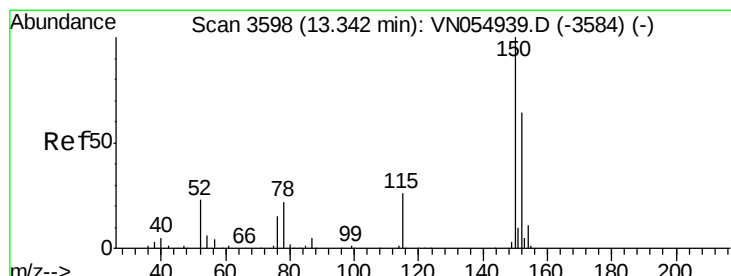
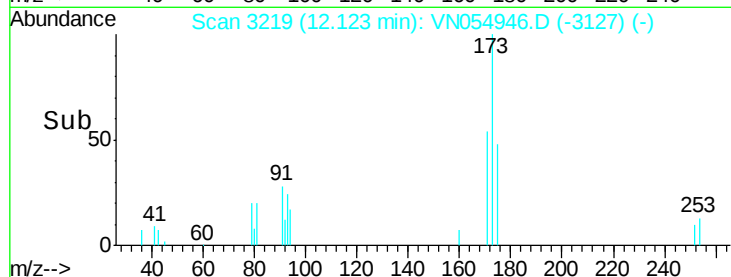
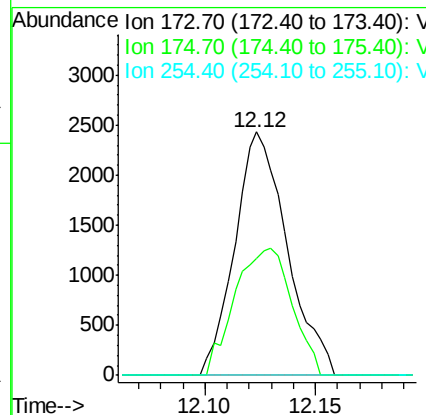
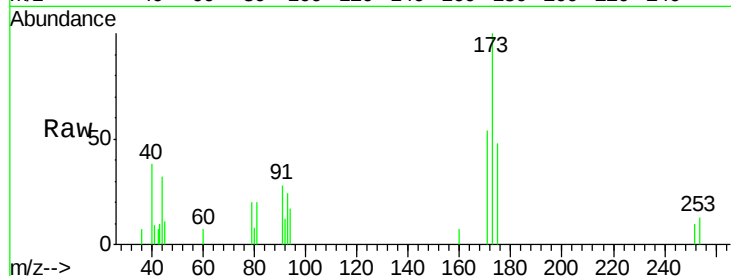
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tgt Ion:	173	Resp:	3999
Ion Ratio	Lower	Upper	
173	100		
175	56.9	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

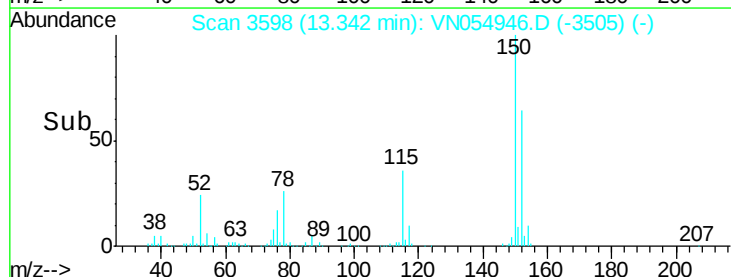
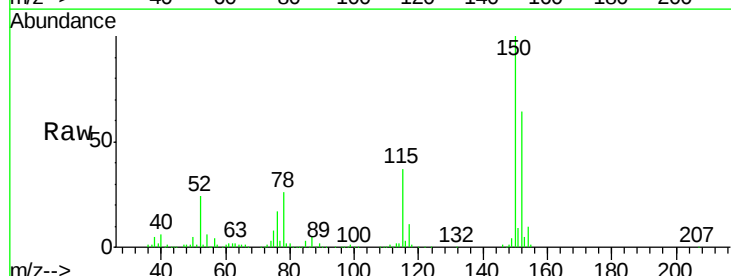
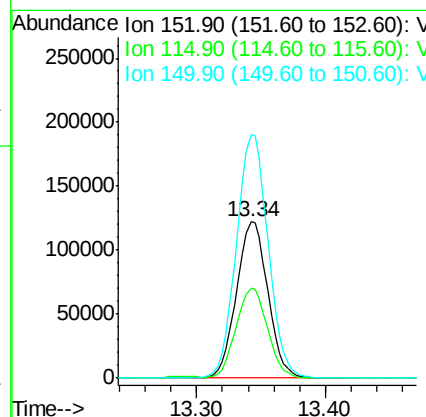
RT: 13.34 min Scan# 3598

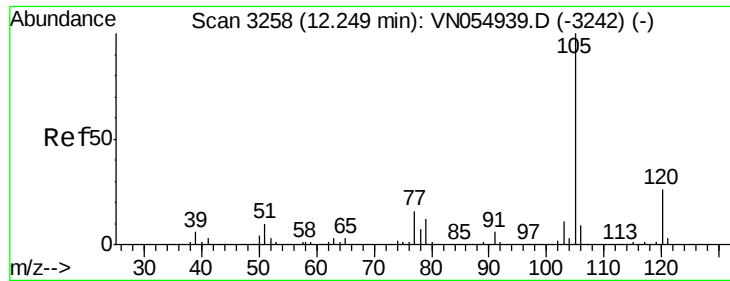
Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Tgt Ion:	152	Resp:	207347
Ion Ratio	Lower	Upper	
152	100		
115	57.4	28.9	86.8
150	157.2	0.0	345.4





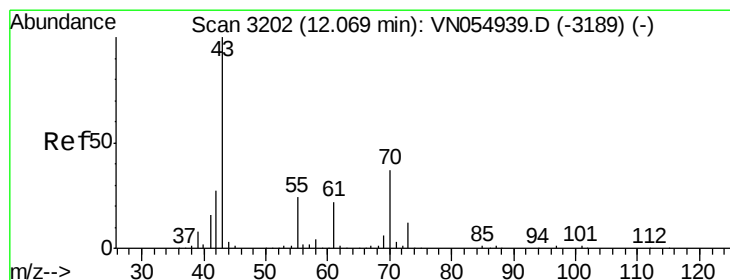
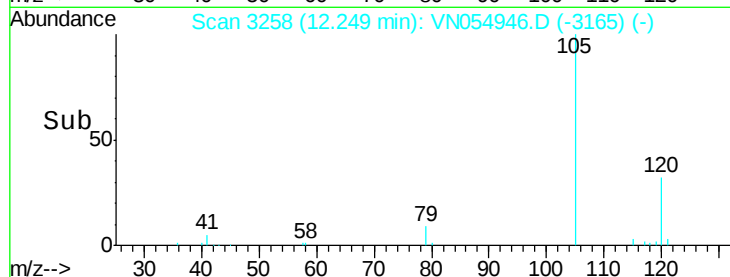
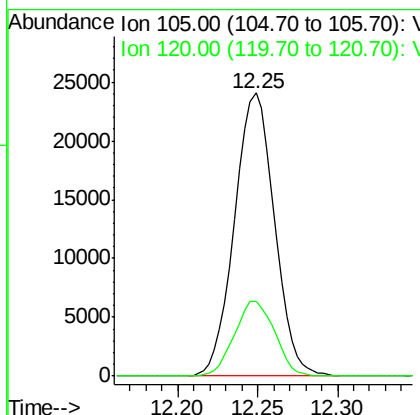
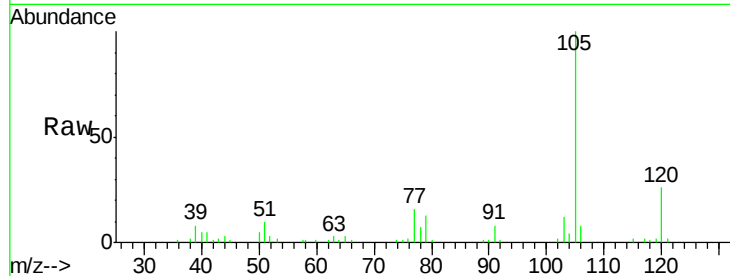
#73
Isopropylbenzene
Concen: 2.341 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion: 105 Resp: 41004
Ion Ratio Lower Upper
105 100
120 26.6 13.0 39.0

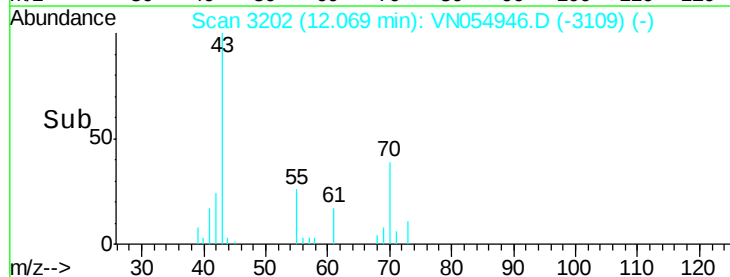
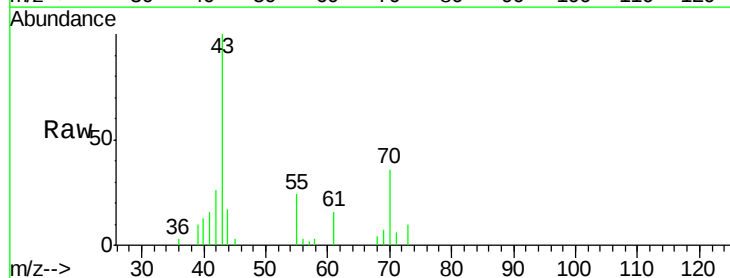
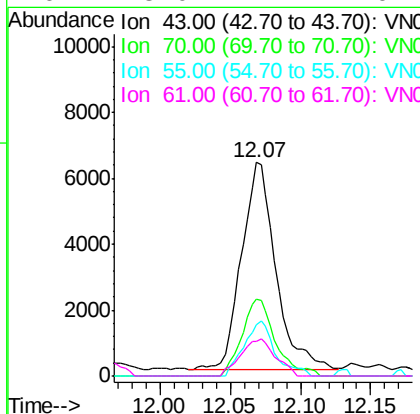
Manual Integrations
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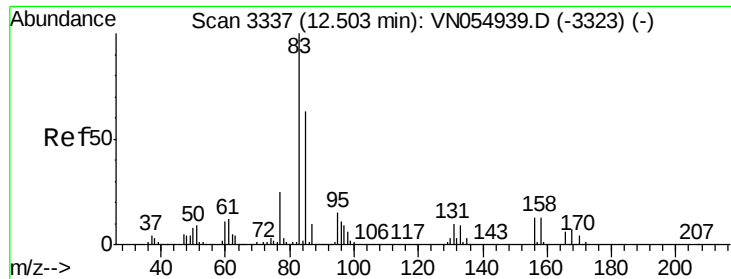
MMDadoda
4/8/2019 1:43:38 PM



#74
N-ethyl acetate
Concen: 2.212 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion: 43 Resp: 10770
Ion Ratio Lower Upper
43 100
70 35.9 29.3 43.9
55 23.7 19.2 28.8
61 18.0 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.599 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

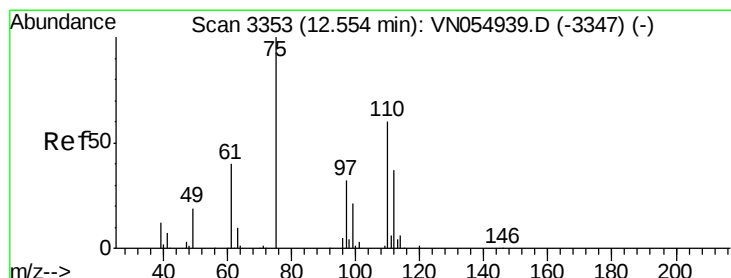
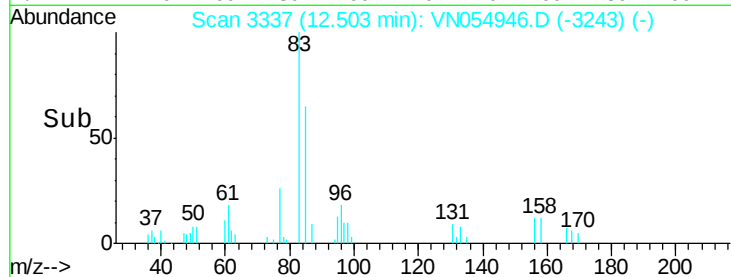
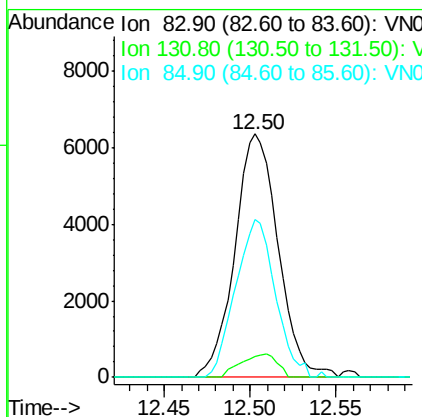
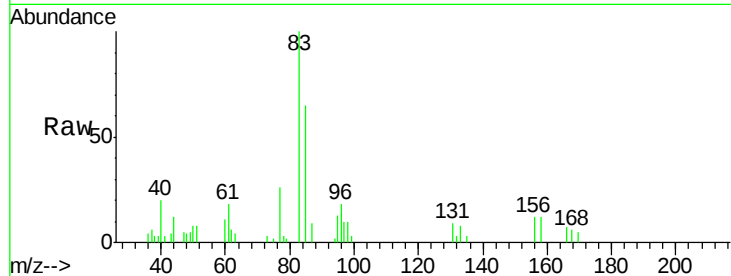
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tgt Ion:	83	Resp:	11182
Ion Ratio	Lower	Upper	
83	100		
131	8.0	5.0	15.0
85	59.3	31.4	94.0

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#76

1,2,3-Trichloropropane

Concen: 2.306 ug/l m

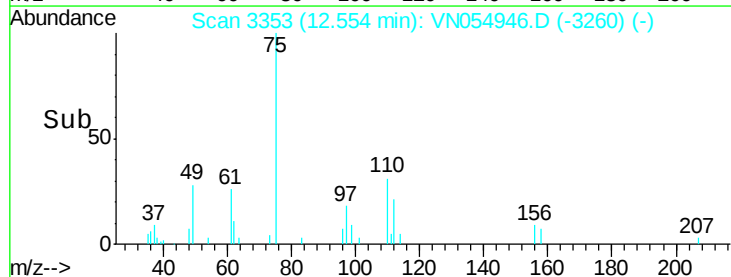
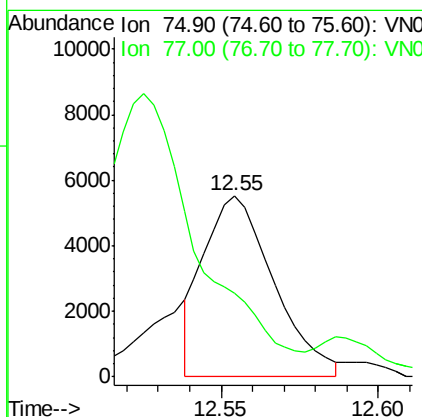
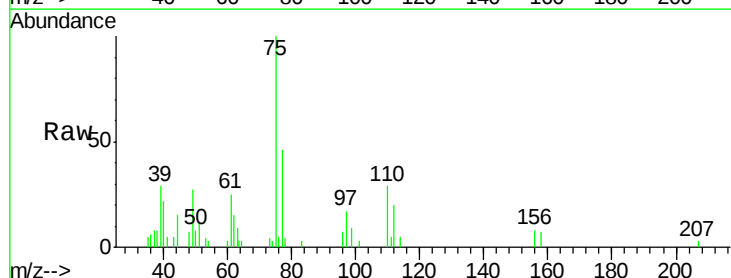
RT: 12.55 min Scan# 3353

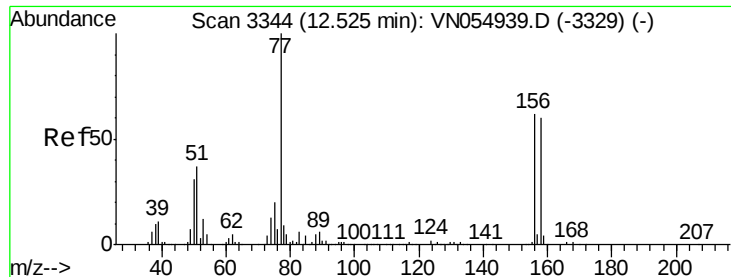
Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Tgt Ion:	75	Resp:	8594
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.380 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

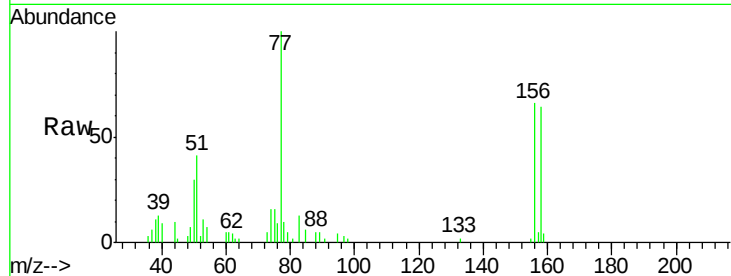
ClientSampleId :

LOQ-WATER-02-QT2-2019

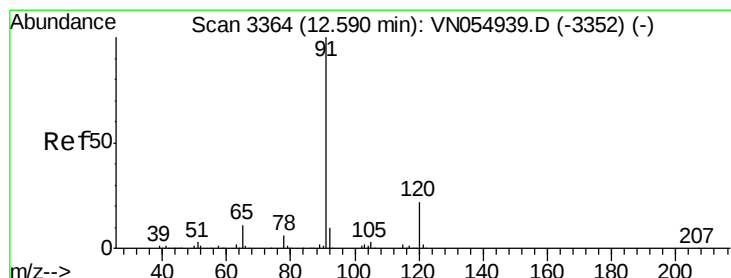
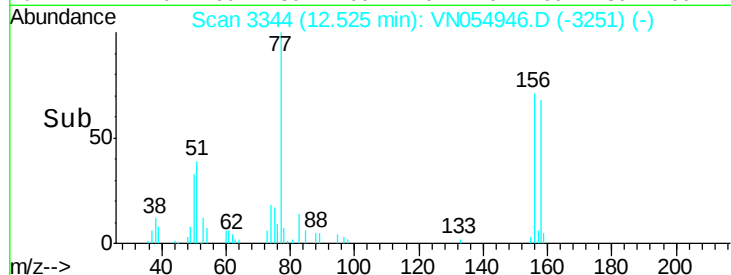
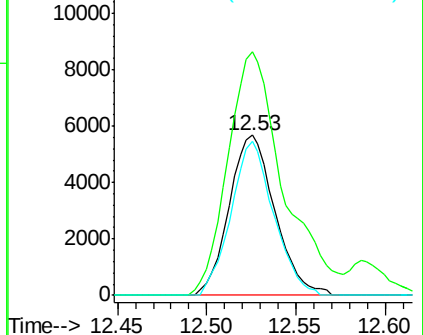
Tgt Ion:	156	Resp:	10095
Ion Ratio	Lower	Upper	
156	100		
77	185.9	93.1	279.3
158	89.9	48.4	145.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.320 ug/l

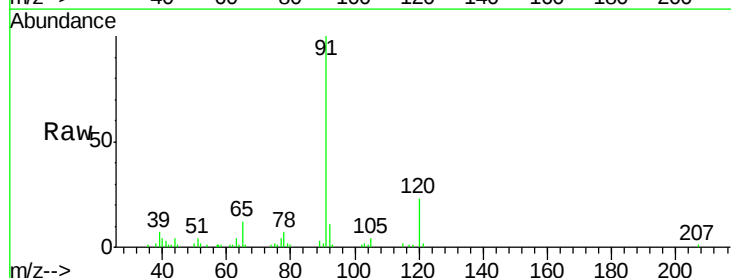
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

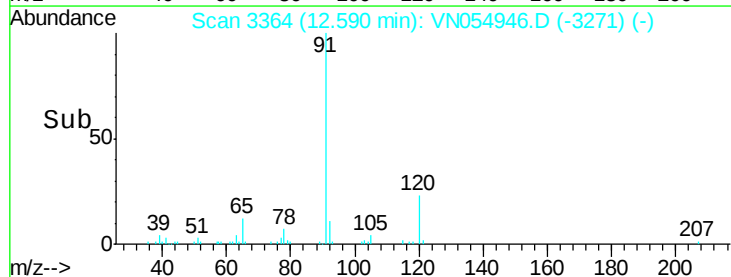
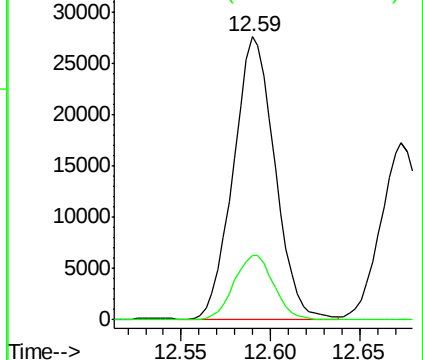
Lab File: VN054946.D

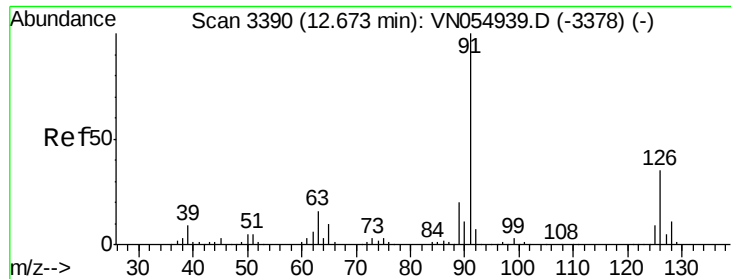
Acq: 4 Apr 2019 14:40

Tgt Ion:	91	Resp:	44779
Ion Ratio	Lower	Upper	
91	100		
120	21.9	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.423 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tgt Ion: 91 Resp: 28978

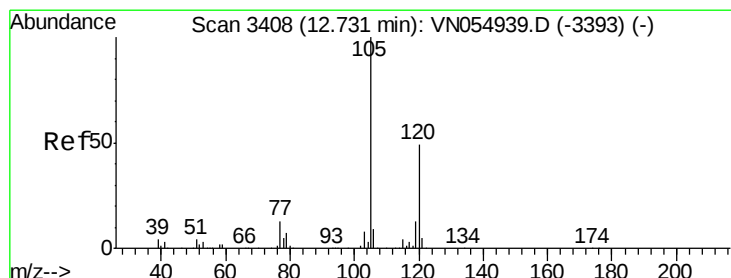
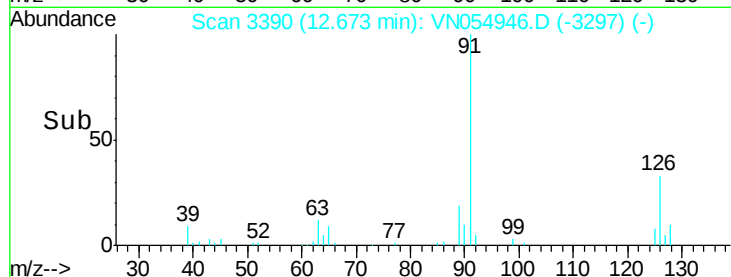
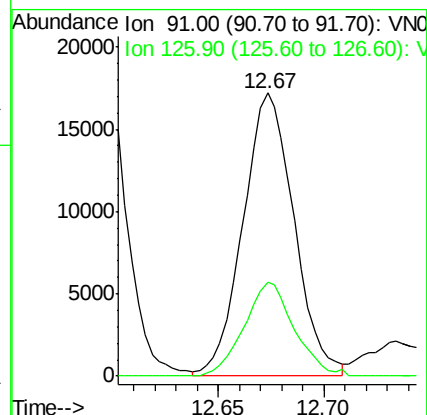
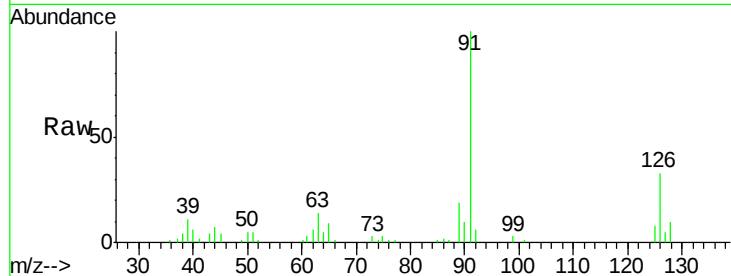
Ion Ratio Lower Upper

91 100

126 32.5 17.4 52.2

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#80

1,3,5-Trimethylbenzene

Concen: 2.288 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054946.D

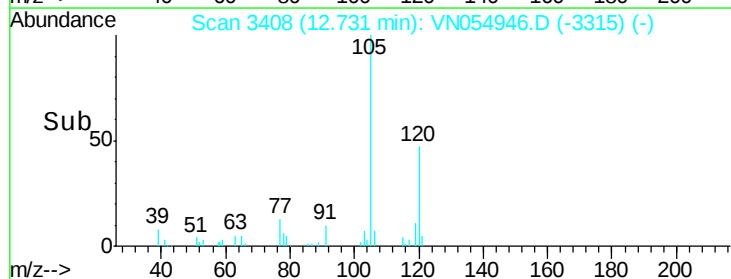
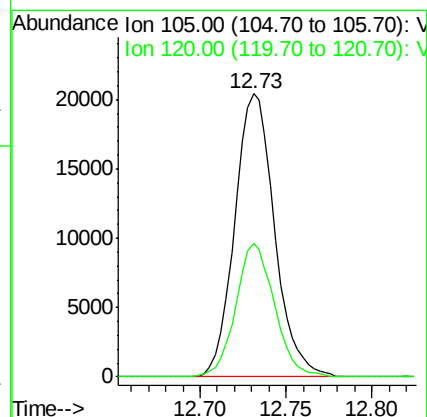
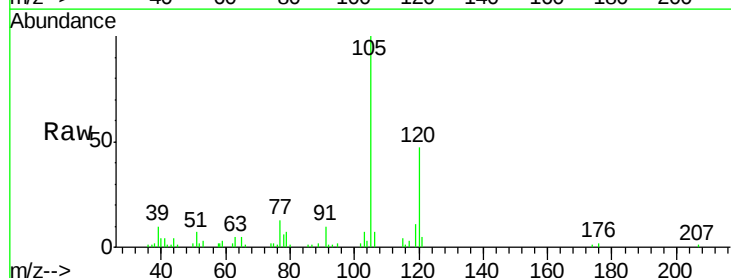
Acq: 4 Apr 2019 14:40

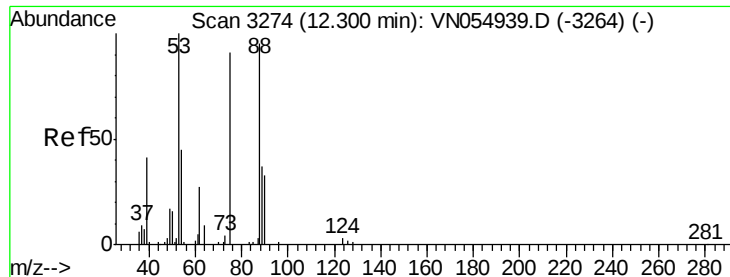
Tgt Ion: 105 Resp: 32916

Ion Ratio Lower Upper

105 100

120 45.8 24.1 72.3





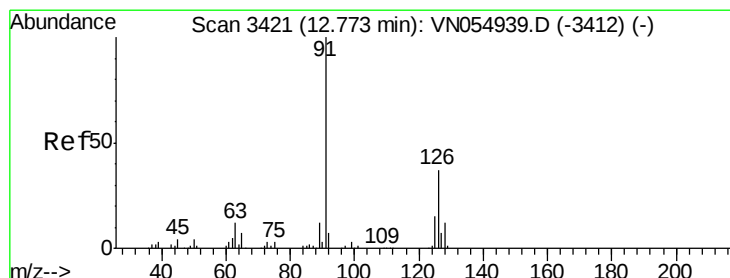
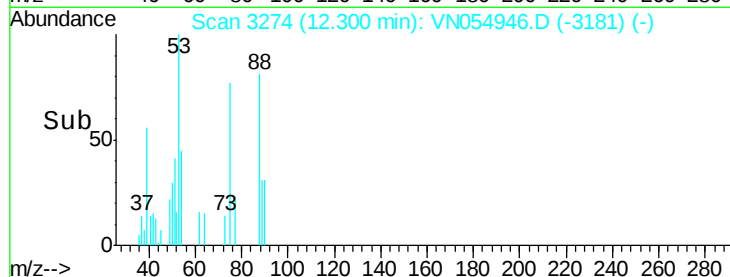
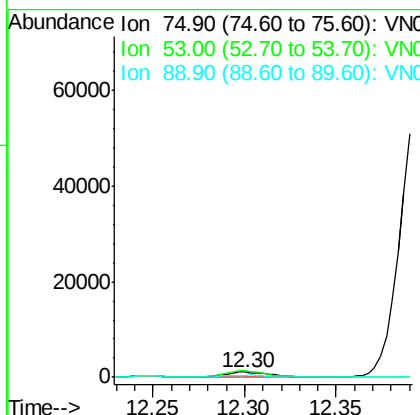
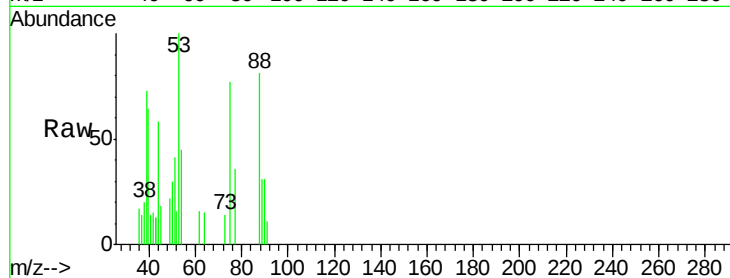
#81
trans-1,4-Dichloro-2-butene
Concen: 2.045 ug/l m
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	92.8	139.2#
89	0.0	36.7	55.1#

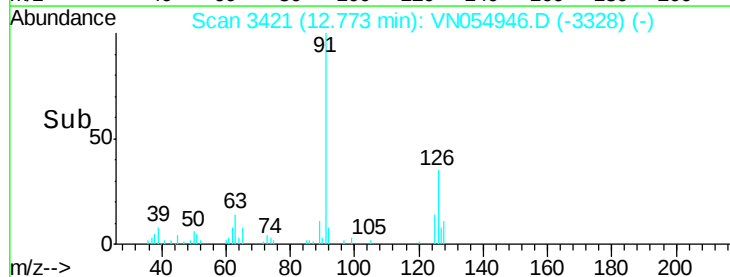
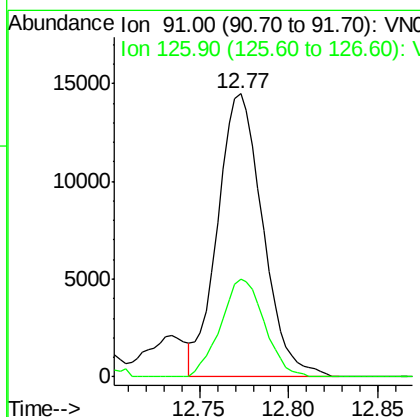
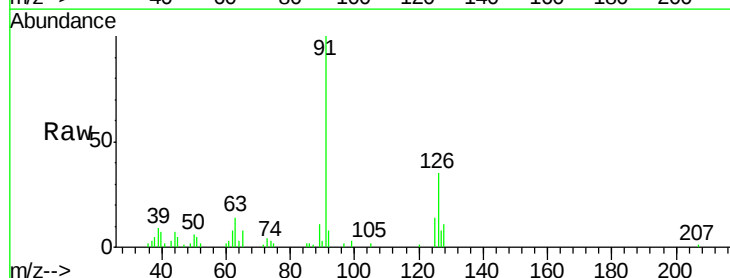
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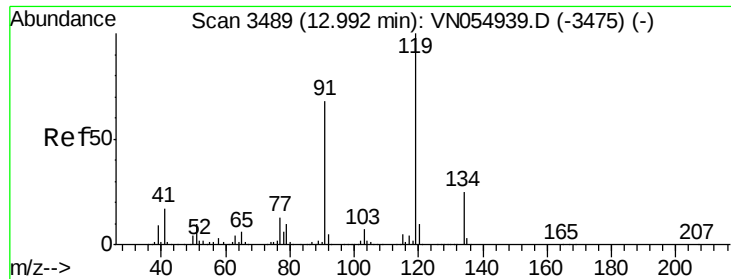
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#82
4-Chlorotoluene
Concen: 2.253 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.9	50.7





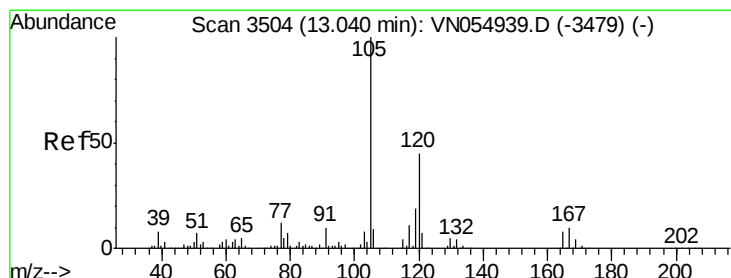
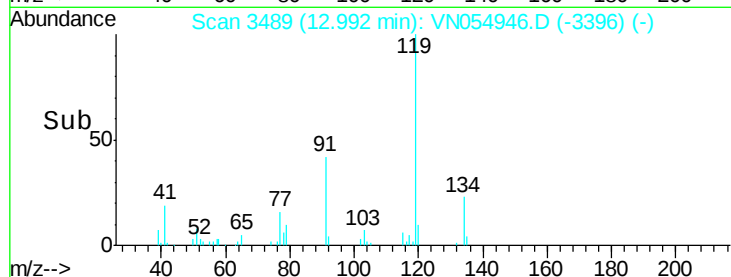
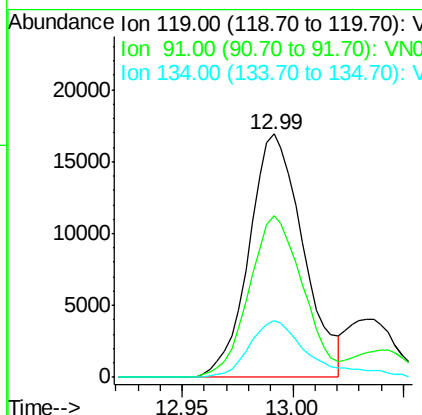
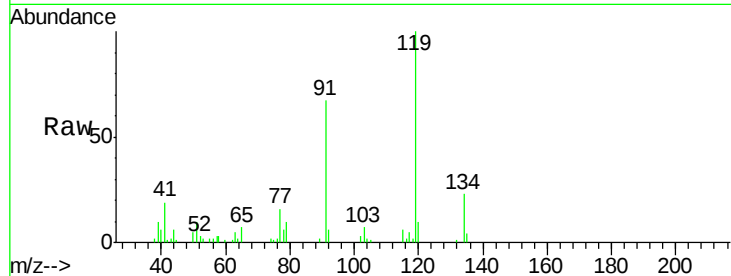
#83
 tert-Butylbenzene
 Concen: 2.349 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

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

Tgt Ion:119 Resp: 28742
 Ion Ratio Lower Upper
 119 100
 91 66.0 33.5 100.5
 134 25.7 12.4 37.0

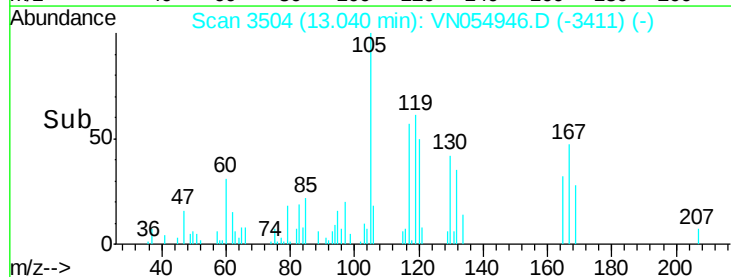
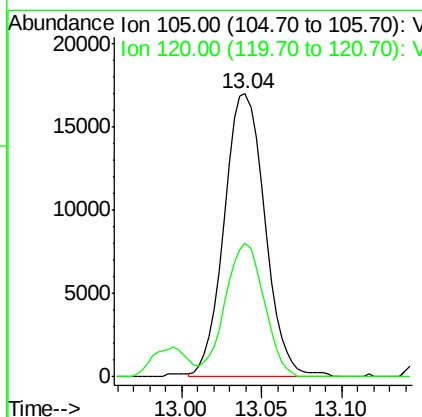
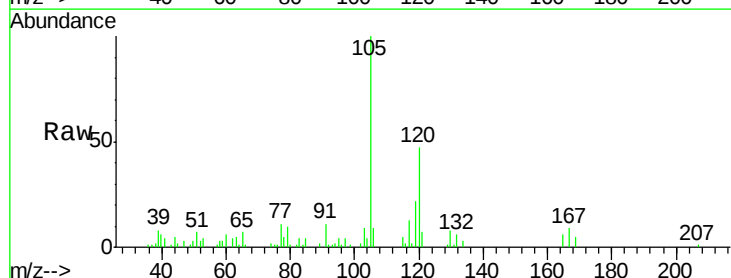
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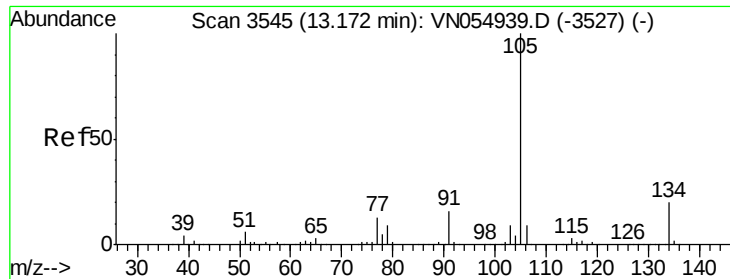
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#84
 1,2,4-Trimethylbenzene
 Concen: 2.122 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion:105 Resp: 29538
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.4 67.3





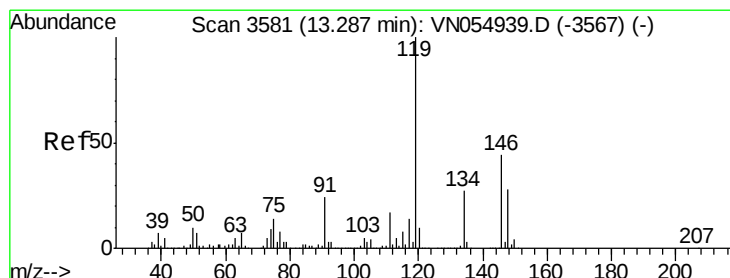
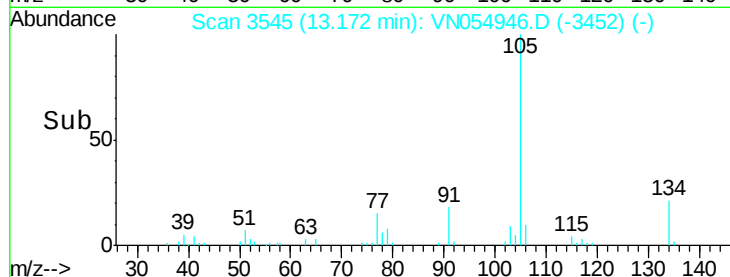
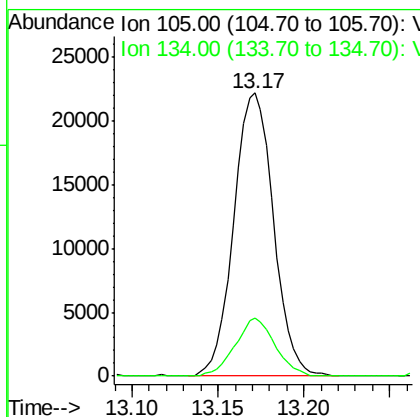
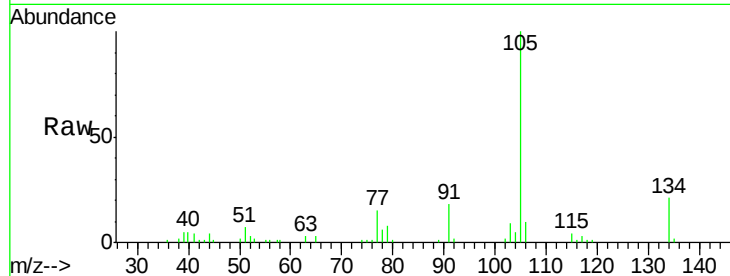
#85
 sec-Butylbenzene
 Concen: 2.257 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

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

Tgt Ion:105 Resp: 35719
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.8 29.5

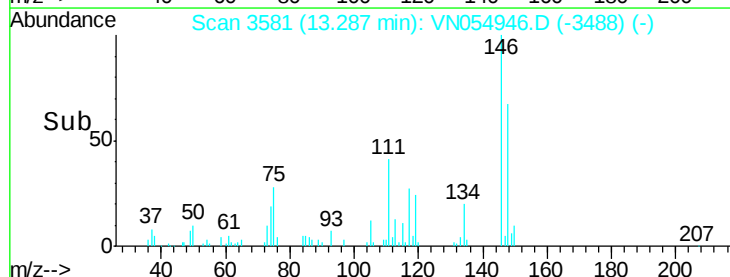
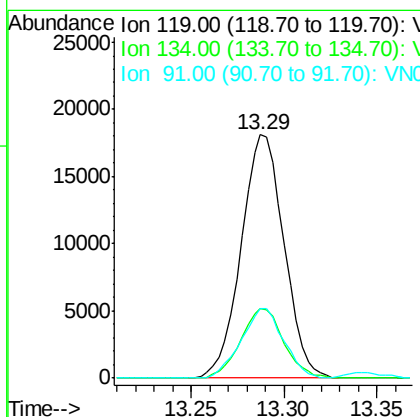
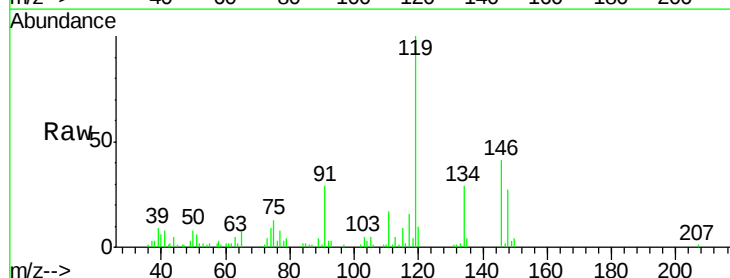
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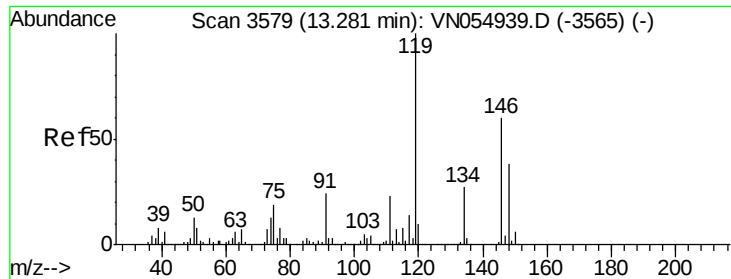
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#86
 p-Isopropyltoluene
 Concen: 2.126 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion:119 Resp: 28987
 Ion Ratio Lower Upper
 119 100
 134 28.6 13.5 40.5
 91 28.4 11.9 35.7





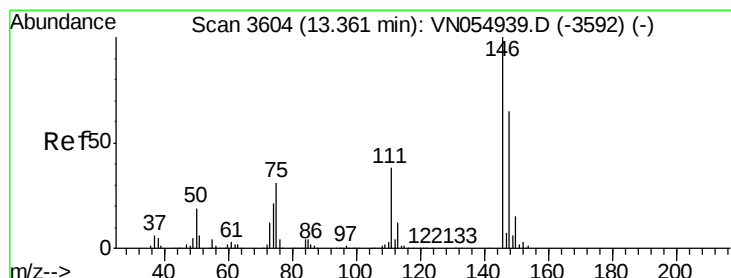
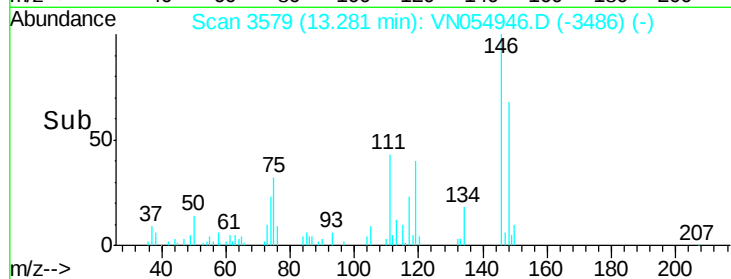
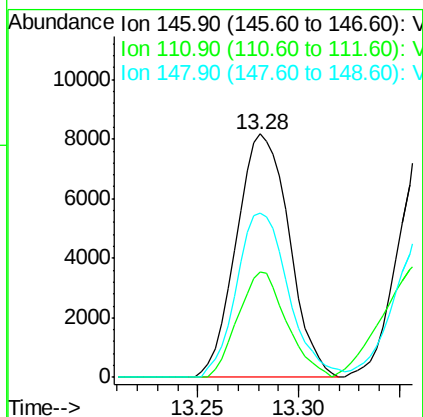
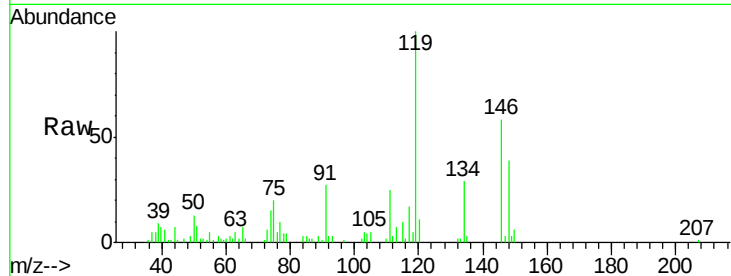
#87
 1,3-Dichlorobenzene
 Concen: 2.126 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

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

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	66.7	31.7	95.1

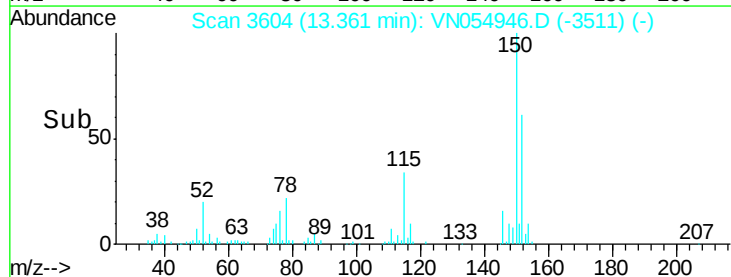
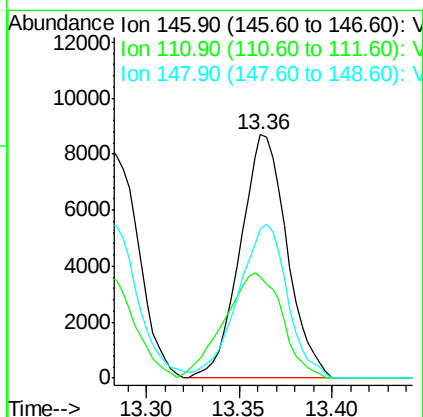
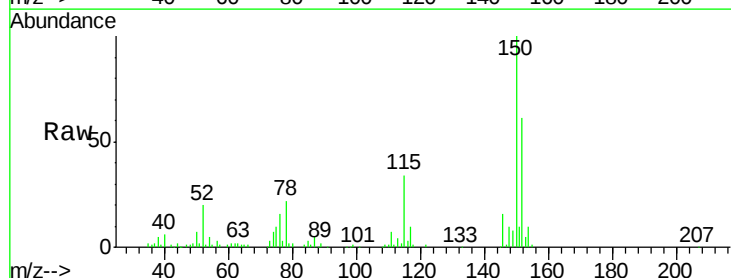
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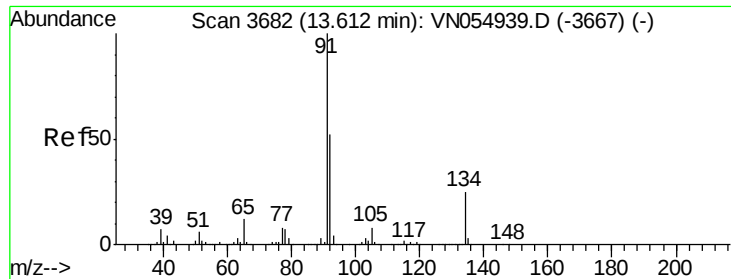
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#88
 1,4-Dichlorobenzene
 Concen: 2.271 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.5	19.2	57.6
148	66.9	31.9	95.7





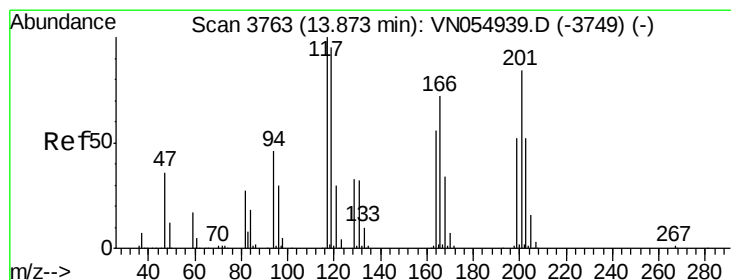
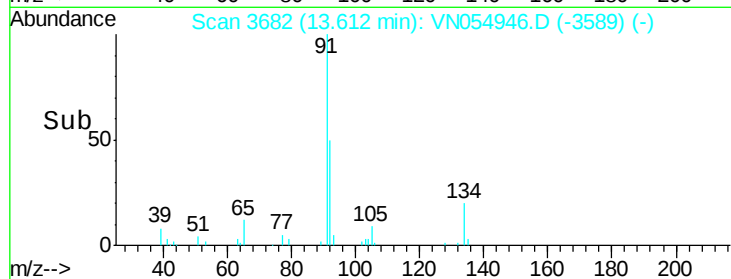
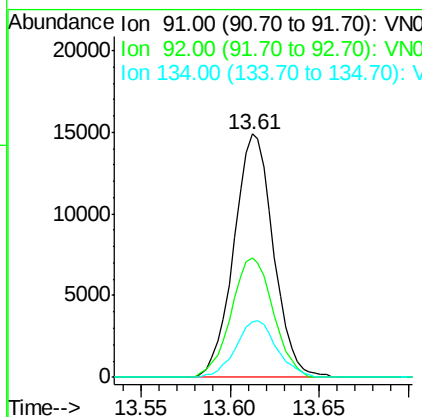
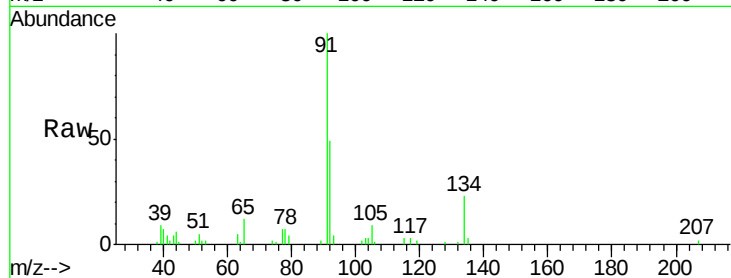
#89
n-Butylbenzene
Concen: 2.112 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

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

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	24.1	12.6	37.8

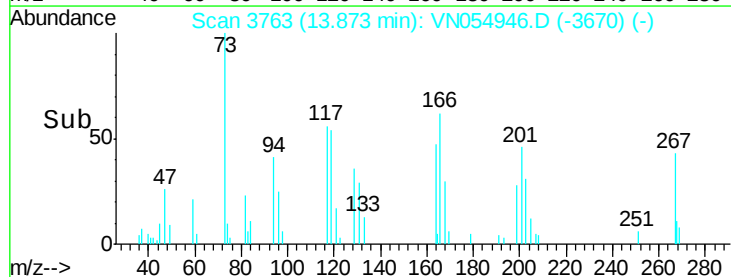
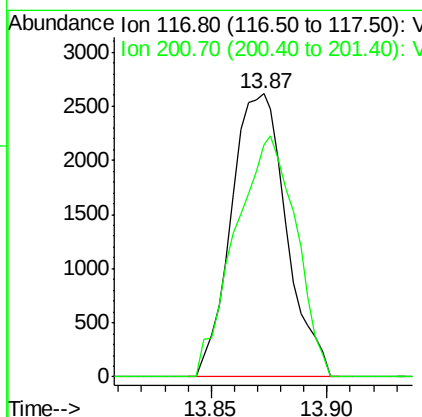
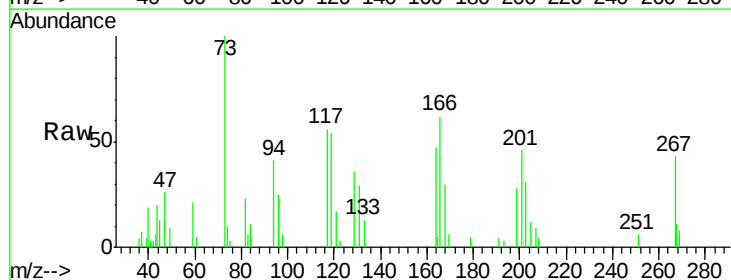
Manual Integrations
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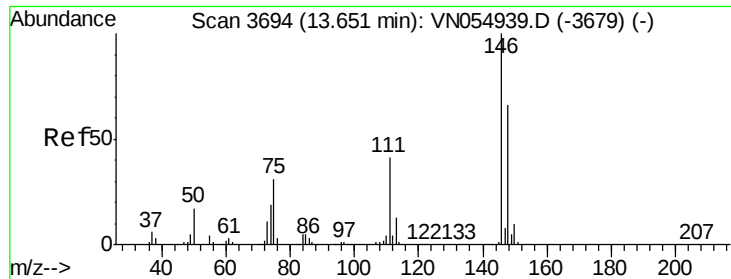
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#90
Hexachloroethane
Concen: 1.886 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054946.D
Acq: 4 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.8	42.5	127.6





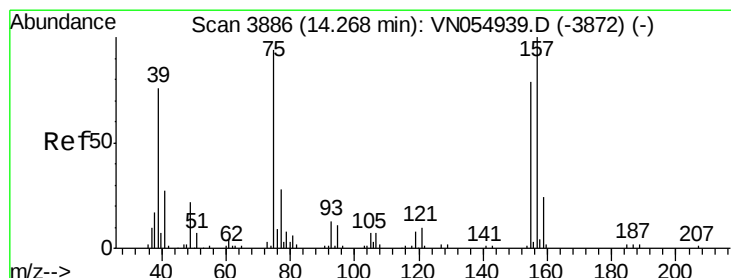
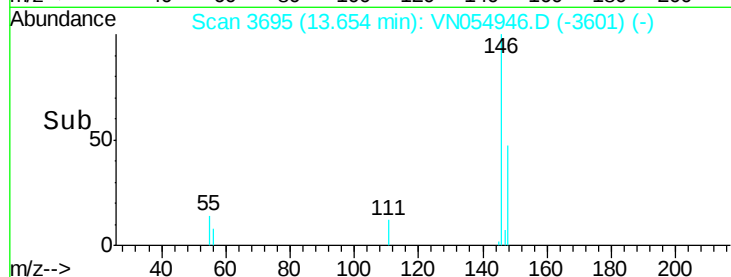
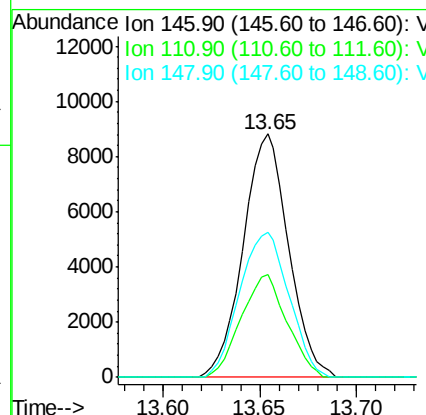
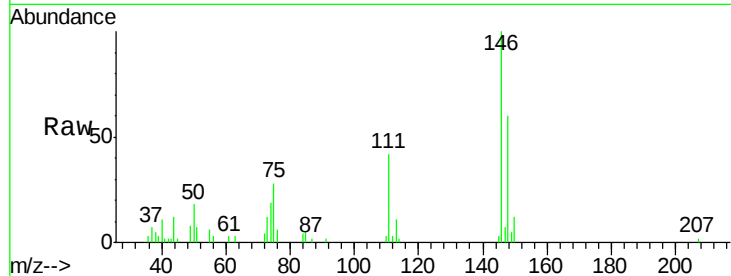
#91
 1,2-Dichlorobenzene
 Concen: 2.077 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

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

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.2	60.5
148	64.6	32.1	96.5

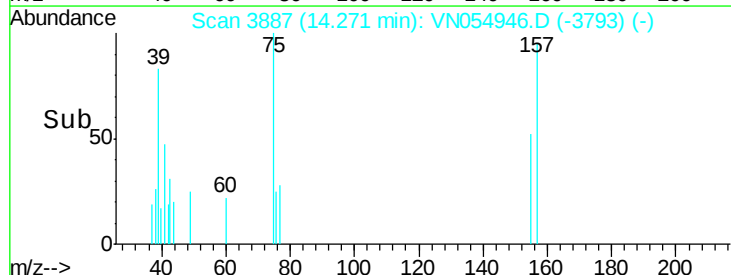
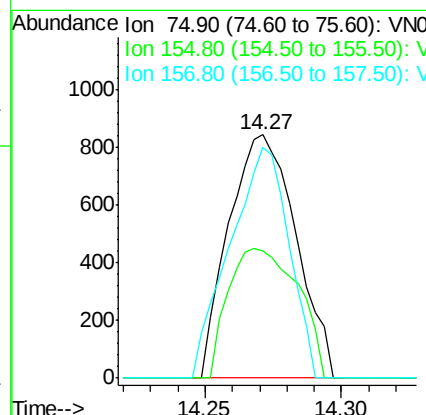
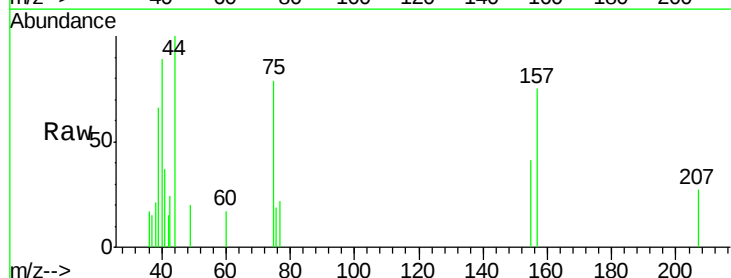
Manual Integrations
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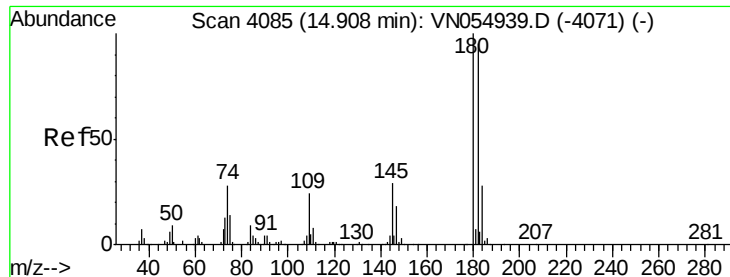
MMDadoda
 4/8/2019 1:43:38 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.403 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	55.4	41.5	124.6
157	83.1	54.4	163.2





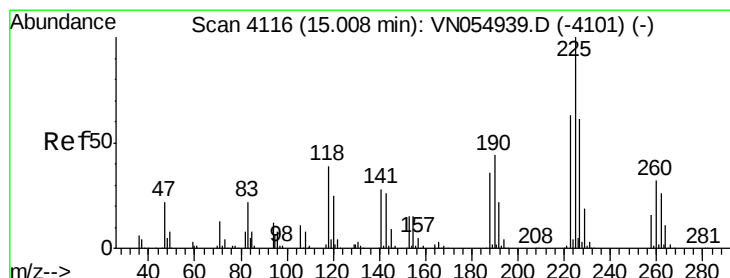
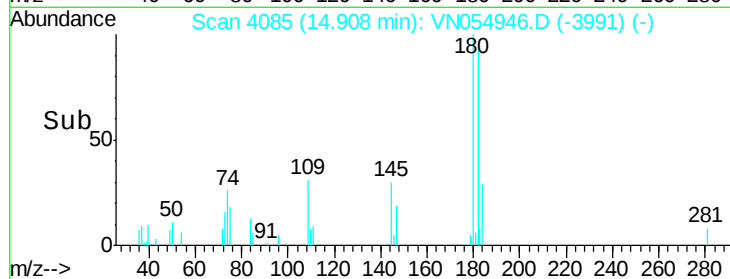
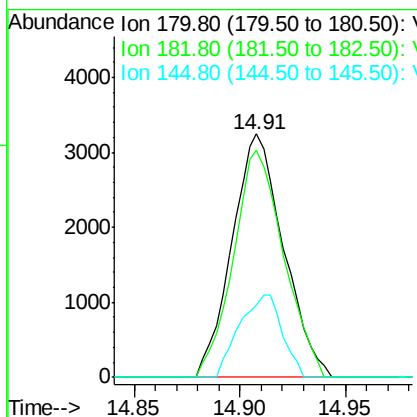
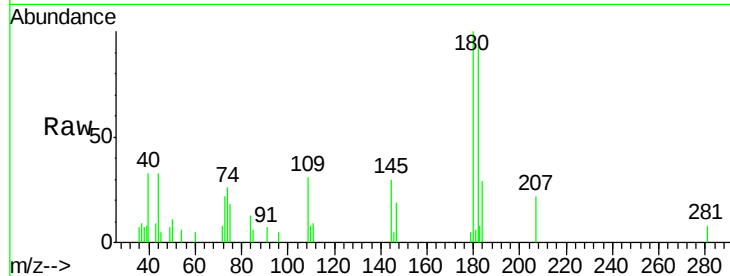
#93
 1,2,4-Trichlorobenzene
 Concen: 1.789 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

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

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	5513		
182	91.0		47.5	142.6
145	28.1		14.6	43.8

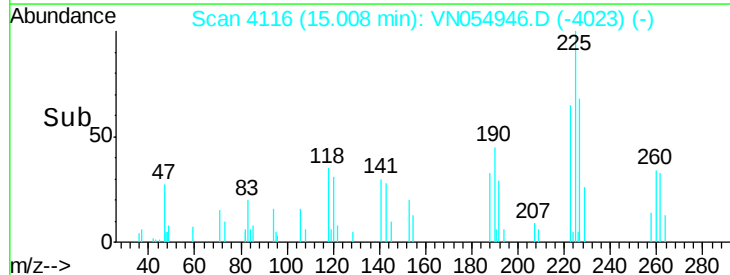
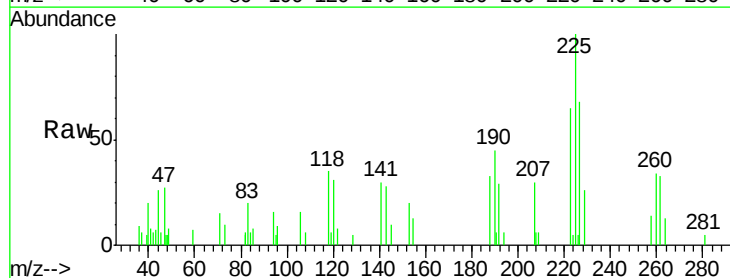
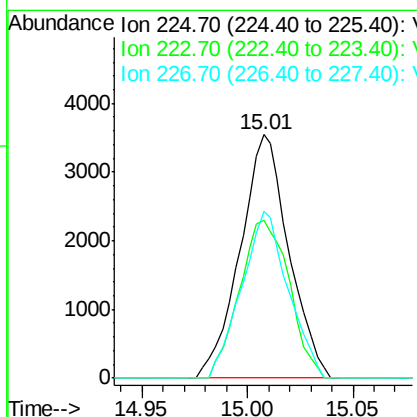
Manual Integrations
 APPROVED

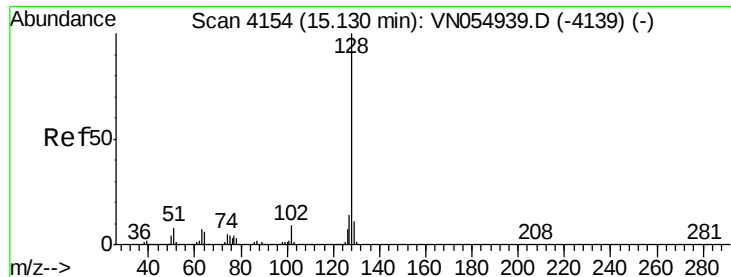
MMDadoda
 4/8/2019 1:43:38 PM



#94
 Hexachlorobutadiene
 Concen: 2.447 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054946.D
 Acq: 4 Apr 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	5671		
223	66.1		31.1	93.5
227	65.4		30.9	92.5





#95

Naphthalene

Concen: 1.600 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Instrument :

MSVOA_N

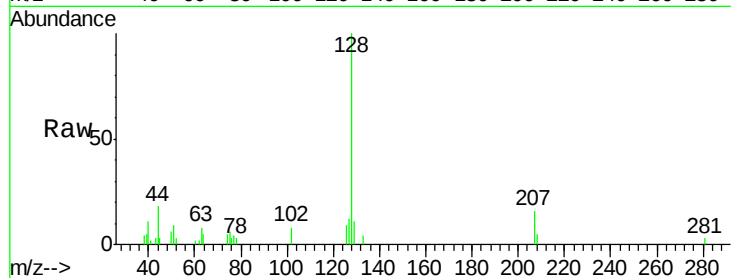
ClientSampleId :

LOQ-WATER-02-QT2-2019

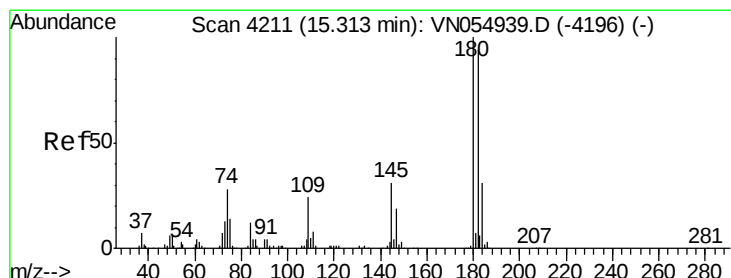
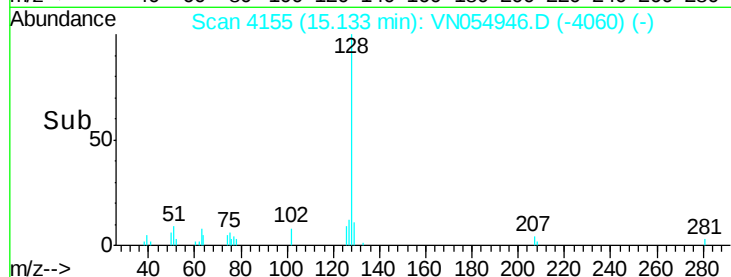
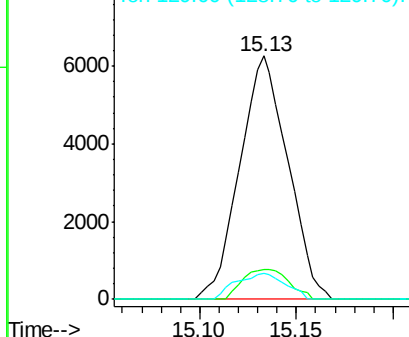
Tgt Ion:	128	Resp:	10822
Ion Ratio	Lower	Upper	
128	100		
127	11.7	10.6	16.0
129	11.1	8.6	13.0

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



#96

1,2,3-Trichlorobenzene

Concen: 1.858 ug/l

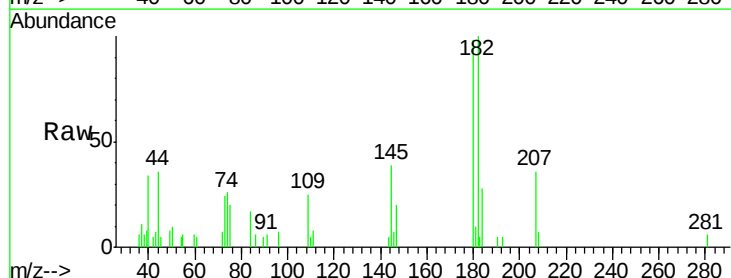
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054946.D

Acq: 4 Apr 2019 14:40

Tgt Ion:	180	Resp:	5910
Ion Ratio	Lower	Upper	
180	100		
182	100.0	47.5	142.5
145	35.5	15.6	46.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

