

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
 Data File : VN054984.D
 Acq On : 11 Apr 2019 18:30
 Operator : JC/SP
 Sample : K2241-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 1:41:45 PM

Quant Time: Apr 12 08:22:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	70720	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	390590	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	330613	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	165351	30.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.27%
60) 4-Bromofluorobenzene	12.40	95	146939	28.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.17%
63) Toluene-d8	10.09	98	486405	30.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	44281	10.646	ug/l 99
3) Chloromethane	2.06	50	61397	10.927	ug/l 95
4) Vinyl Chloride	2.19	62	53177	10.944	ug/l 98
5) Bromomethane	2.56	94	32988	11.738	ug/l 86
6) Chloroethane	2.71	64	30099	11.061	ug/l 98
7) Trichlorofluoromethane	3.02	101	65696	10.581	ug/l 98
8) Diethyl Ether	3.41	74	20654	10.361	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	36672	10.805	ug/l 96
10) 1,1-Dichloroethene	3.73	96	34478	10.988	ug/l 95
11) Methyl Iodide	3.94	142	47070	9.912	ug/l 99
12) Methyl Acetate	4.33	43	37592	9.740	ug/l 99
13) Acrolein	3.60	56	19977	59.057	ug/l 99
14) Acrylonitrile	5.00	53	80370	50.826	ug/l # 88
15) Acetone	3.82	58	17412	44.498	ug/l 92
16) Carbon Disulfide	4.04	76	105914	10.063	ug/l 97
17) Allyl chloride	4.32	41	78894	10.209	ug/l 99
18) Methylene Chloride	4.55	84	51453	11.093	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	43684	10.694	ug/l 90
20) Diisopropyl ether	5.96	45	156643	10.006	ug/l 99
21) 1,1-Dichloroethane	5.85	63	87807	10.501	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	52101	10.973	ug/l 98
23) tert-Butyl Alcohol	4.81	59	13404m	53.161	ug/l
24) Methyl tert-Butyl Ether	5.06	73	111534	10.585	ug/l # 62
25) Chloroform	7.37	83	83279	10.398	ug/l 96
26) Cyclohexane	7.65	56	81218	10.469	ug/l # 95
29) 1,1-Dichloropropene	7.79	75	61826	10.164	ug/l 98
30) 2-Butanone	6.85	43	96458	47.770	ug/l # 96
31) 2,2-Dichloropropane	6.82	77	57774	10.319	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	67947	10.568	ug/l 97
33) Carbon Tetrachloride	7.77	117	55228	9.921	ug/l 97
34) Benzene	8.04	78	187774	10.417	ug/l # 86
35) Methacrylonitrile	7.17	41	19466	8.179	ug/l 91
36) 1,2-Dichloroethane	8.13	62	64448	10.461	ug/l # 89
37) Trichloroethene	8.83	130	48873	10.635	ug/l 95
38) Methylcyclohexane	9.08	83	71433	10.126	ug/l 99
39) 1,2-Dichloropropane	9.12	63	53315	10.711	ug/l 97
40) Dibromomethane	9.21	93	29965	10.651	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	58303	10.041	ug/l	98
42) Vinyl Acetate	5.90	43	519498	50.891	ug/l	100
43) Ethyl Acetate	6.94	43	40645	9.881	ug/l #	86
44) Isopropyl Acetate	8.17	43	69757	10.006	ug/l	100
45) 1,4-Dioxane	9.21	88	8014	207.503	ug/l	93
46) Methyl methacrylate	9.20	41	35167	9.752	ug/l	94
47) n-amyl Acetate	12.07	43	47241	9.201	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	48403	9.078	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	62185	9.447	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	39395	10.309	ug/l	99
51) Ethyl methacrylate	10.43	69	45763	10.046	ug/l	97
52) 1,3-Dichloropropane	10.71	76	69187	10.333	ug/l	99
53) Dibromochloromethane	10.90	129	37694	9.576	ug/l	96
54) 1,2-Dibromoethane	11.00	107	36234	10.100	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	80511	42.278	ug/l	99
56) Bromoform	12.13	173	21887	8.849	ug/l #	96
58) 4-Methyl-2-Pentanone	9.99	43	200988	52.716	ug/l	98
59) 2-Hexanone	10.75	43	123253	50.887	ug/l	100
61) Tetrachloroethene	10.63	164	47311	10.996	ug/l	98
62) Toluene	10.16	91	197521	10.843	ug/l	100
64) Chlorobenzene	11.43	112	110652	10.062	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	41306	10.561	ug/l	95
66) Ethyl Benzene	11.51	91	202526	10.371	ug/l	98
67) m/p-Xylenes	11.62	106	151954	20.935	ug/l	99
68) o-Xylene	11.95	106	75114	10.472	ug/l	99
69) Styrene	11.96	104	114532	10.283	ug/l	99
70) Isopropylbenzene	12.25	105	198404	10.345	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	47654	10.864	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	36265m	10.011	ug/l	
73) Bromobenzene	12.53	156	46388	10.233	ug/l	98
74) n-propylbenzene	12.59	91	213093	9.925	ug/l	99
75) 2-Chlorotoluene	12.67	91	134891	10.417	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	163588	10.551	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	7870	8.619	ug/l	92
78) 4-Chlorotoluene	12.77	91	116731	9.461	ug/l	99
79) tert-butylbenzene	12.99	119	140758	10.492	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	153395	10.071	ug/l	99
81) sec-Butylbenzene	13.17	105	178854	9.977	ug/l	99
82) p-Isopropyltoluene	13.29	119	151508	10.014	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	73026	9.629	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	66414	9.216	ug/l	99
85) n-Butylbenzene	13.61	91	105958	8.792	ug/l	99
86) Hexachloroethane	13.87	117	23403	9.663	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	74034	9.968	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	5771	9.899	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	25528	7.688	ug/l	93
90) Hexachlorobutadiene	15.01	225	25481	10.526	ug/l	98
91) Naphthalene	15.13	128	53254	7.660	ug/l	96
92) 1,2,3-Trichlorobenzene	15.31	180	27684	8.337	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

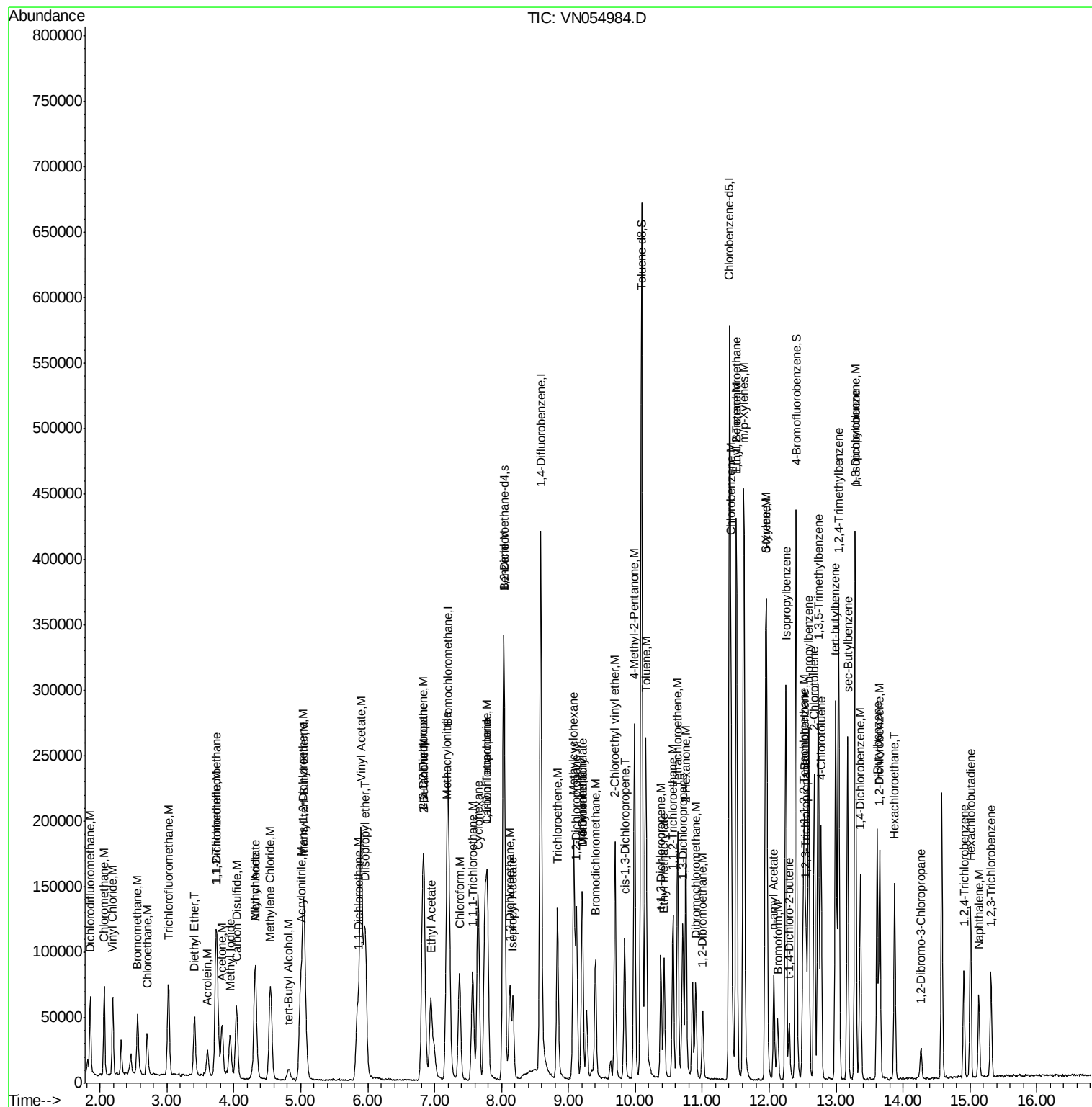
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
Data File : VN054984.D
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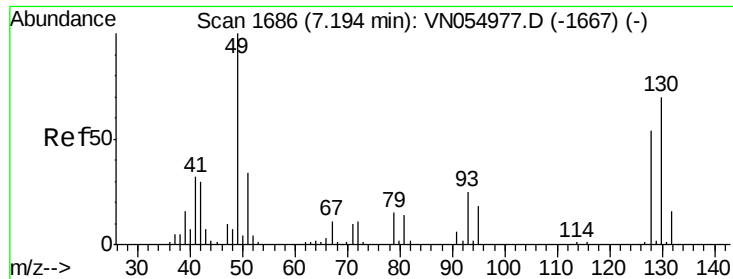
Instrument :
MSVOA_N
ClientSampleId :
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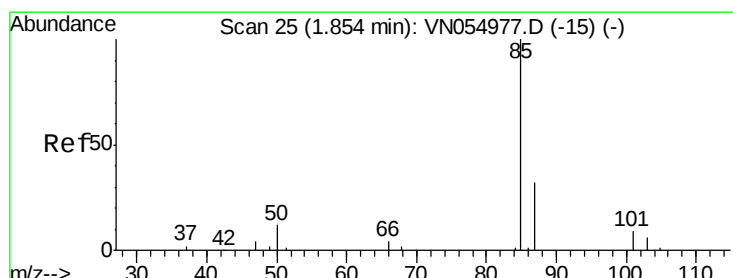
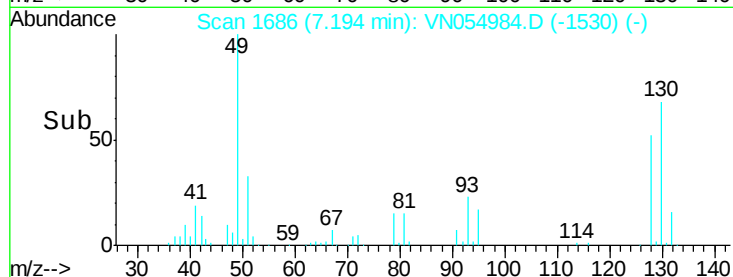
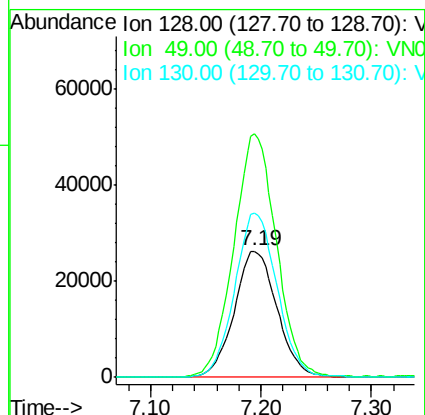
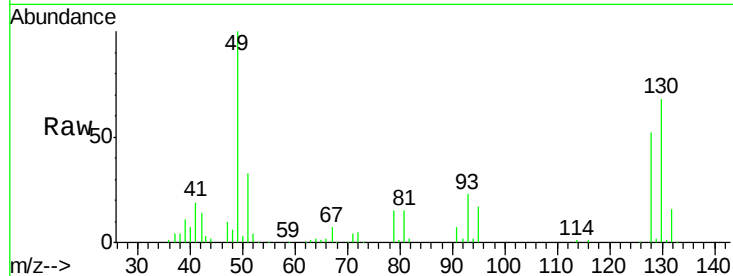
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
128	100		
49	191.9	0.0	480.3
130	128.9	0.0	322.2

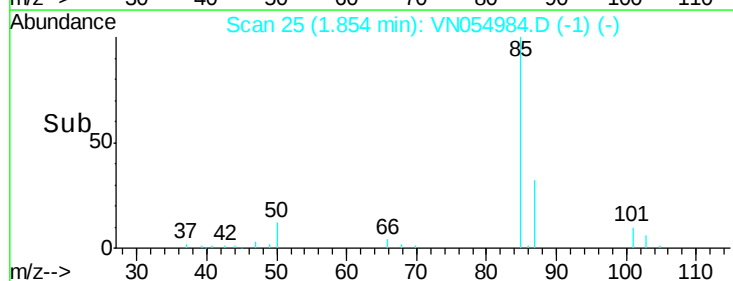
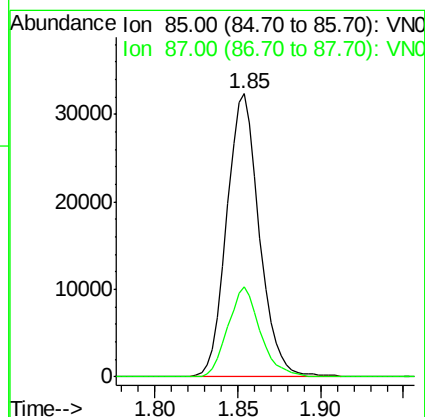
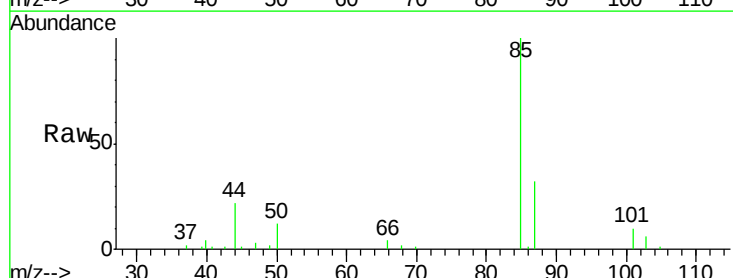
Manual Integrations
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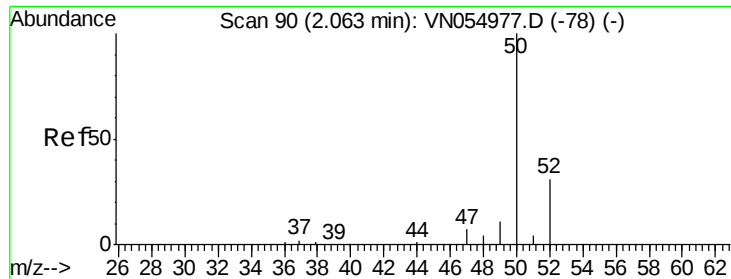
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#2
Dichlorodifluoromethane
Concen: 10.646 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.1	48.3





#3

Chloromethane

Concen: 10.927 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 50 Resp: 61397

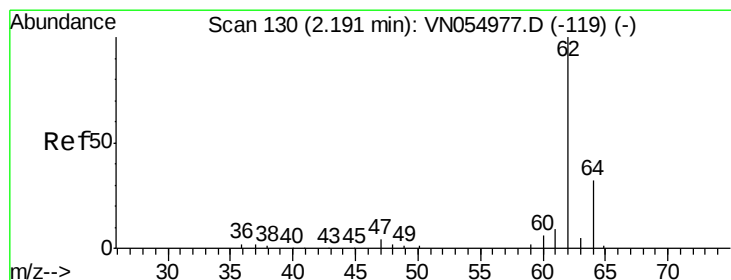
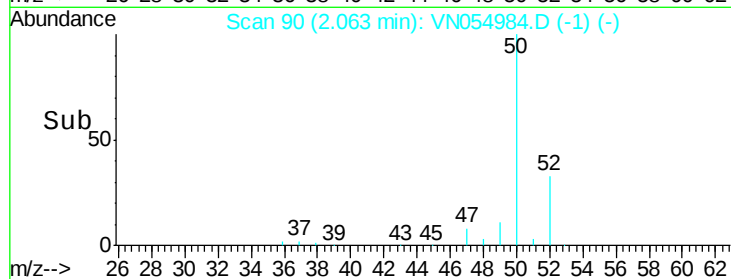
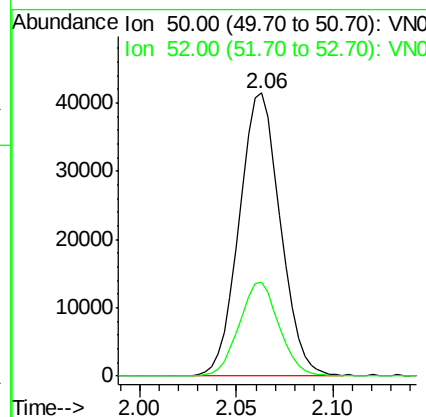
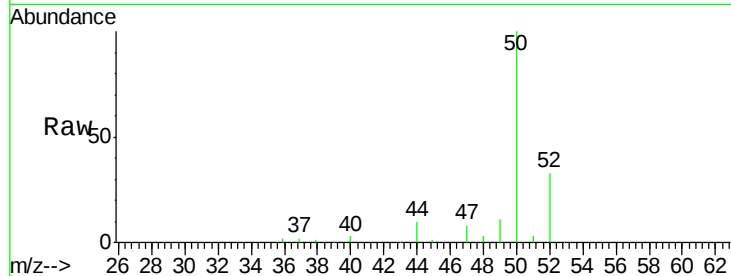
Ion Ratio Lower Upper

50 100

52 33.2 24.5 36.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 10.944 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054984.D

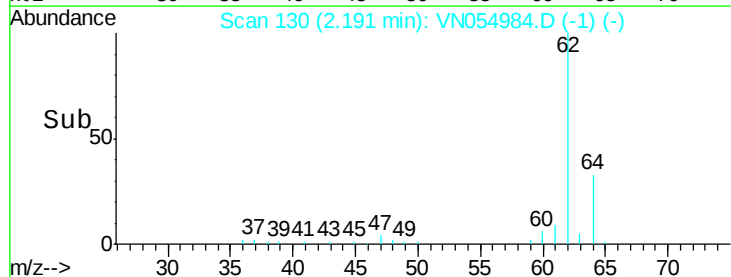
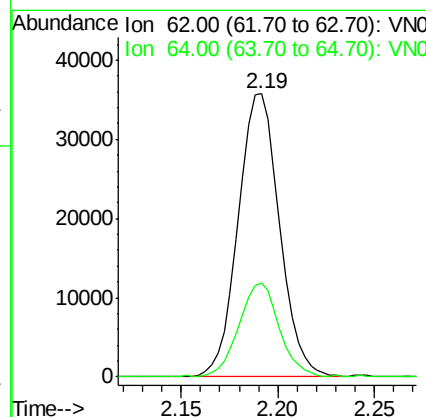
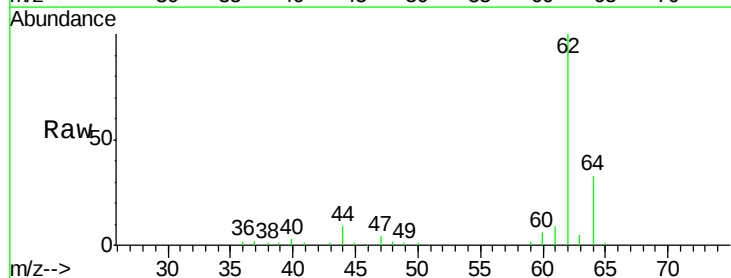
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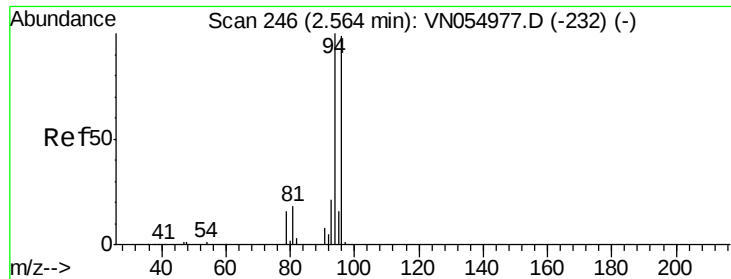
Tgt Ion: 62 Resp: 53177

Ion Ratio Lower Upper

62 100

64 33.2 25.6 38.4





#5

Bromomethane

Concen: 11.738 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 94 Resp: 32988

Ion Ratio Lower Upper

94 100

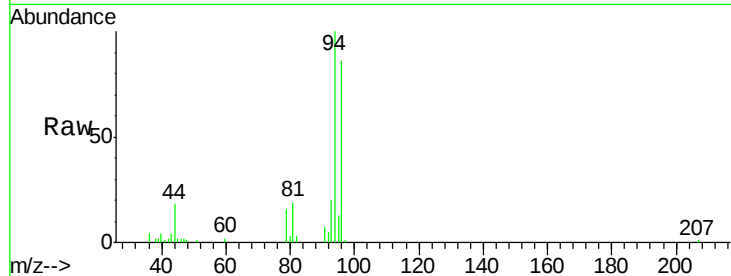
96 84.5 79.1 118.7

Manual Integrations

APPROVED

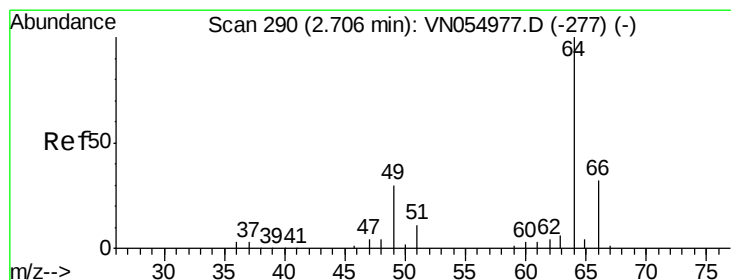
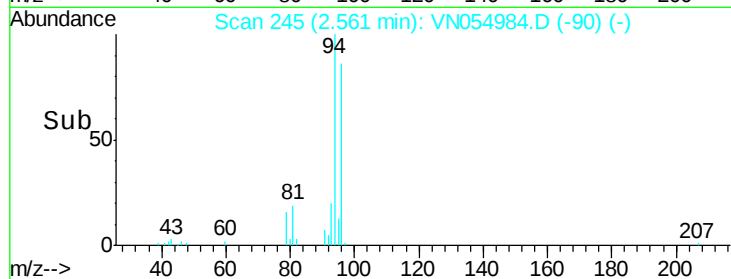
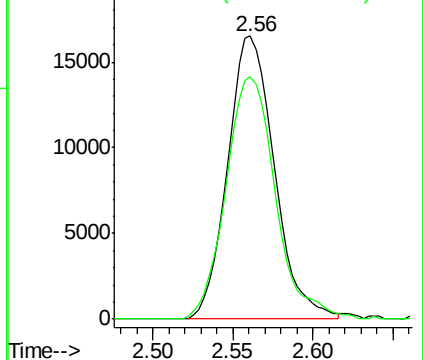
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 11.061 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054984.D

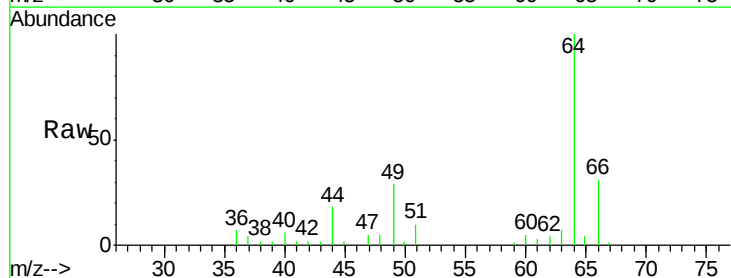
Acq: 11 Apr 2019 18:30

Tgt Ion: 64 Resp: 30099

Ion Ratio Lower Upper

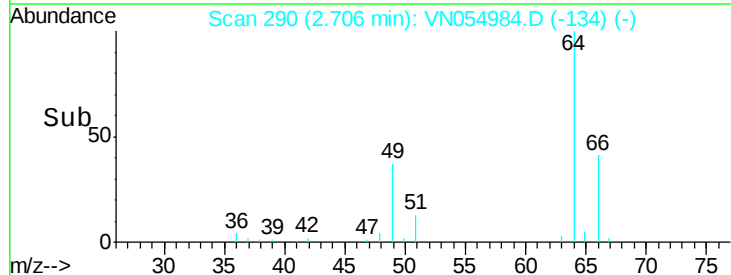
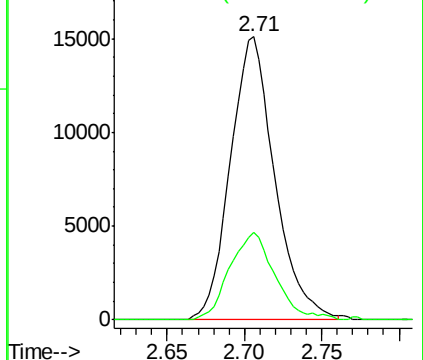
64 100

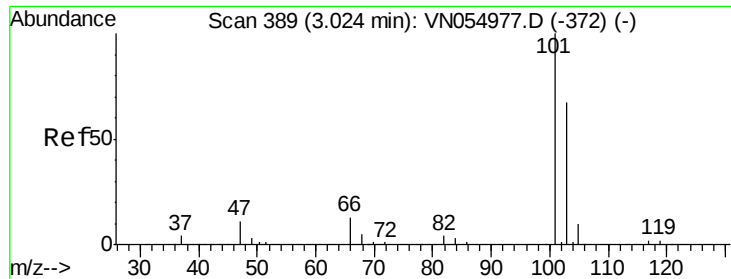
66 30.8 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

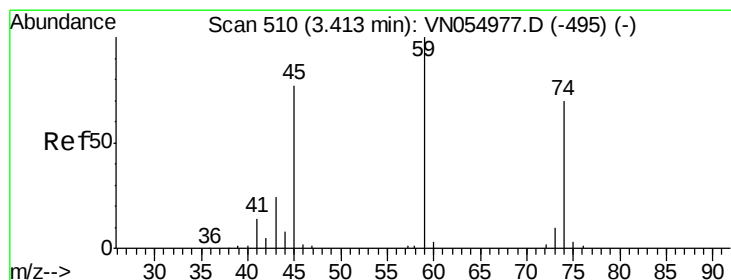
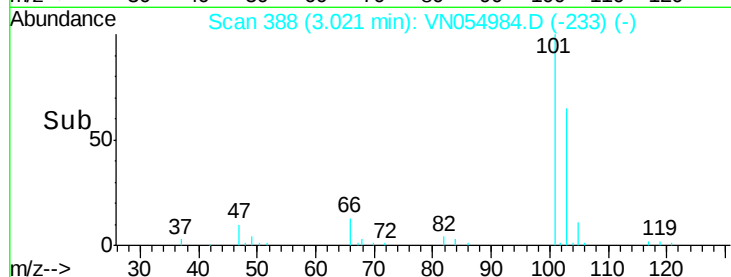
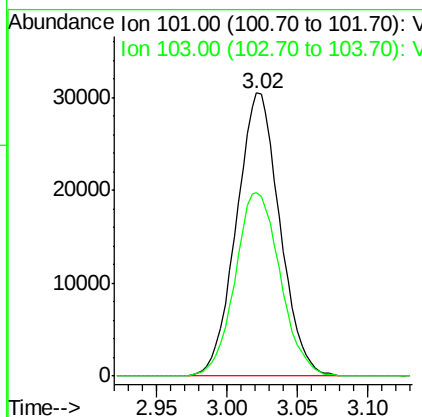
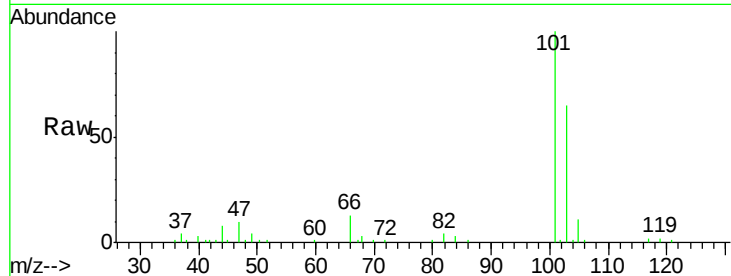
Trichlorofluoromethane
Concen: 10.581 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion:101 Resp: 65696
Ion Ratio Lower Upper
101 100
103 65.1 53.4 80.0

Manual Integrations
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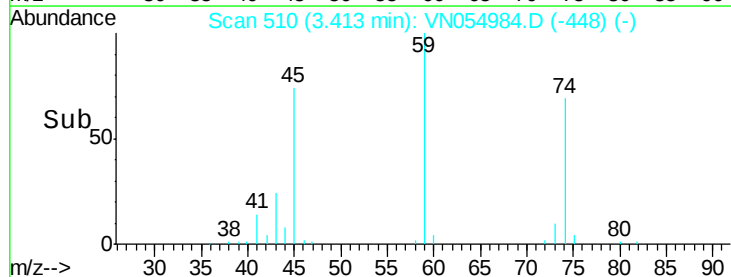
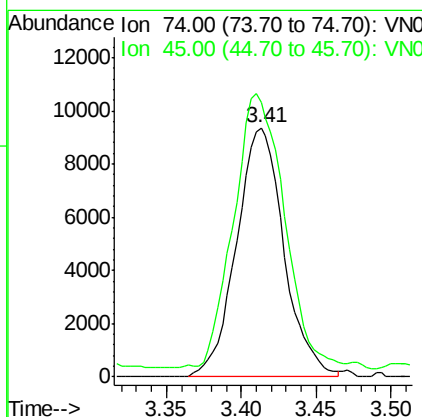
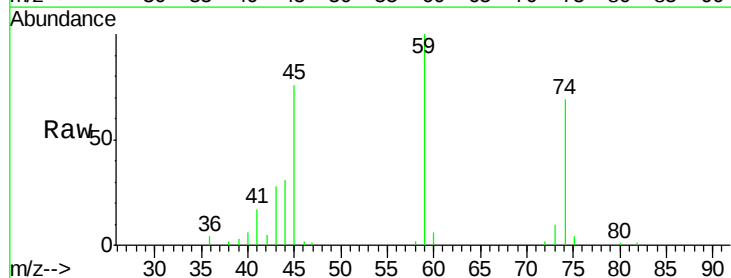
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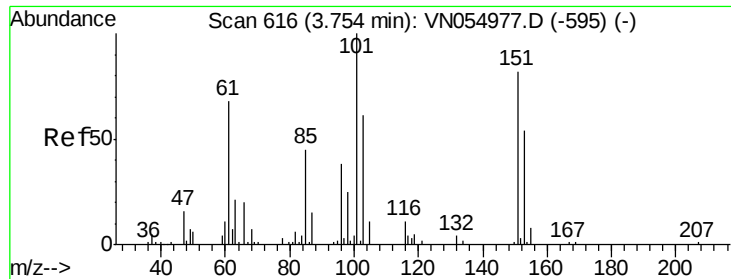


#8

Diethyl Ether
Concen: 10.361 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion: 74 Resp: 20654
Ion Ratio Lower Upper
74 100
45 117.3 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.805 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Instrument :

MSVOA_N

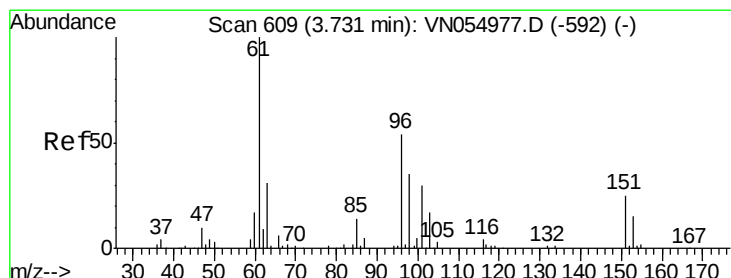
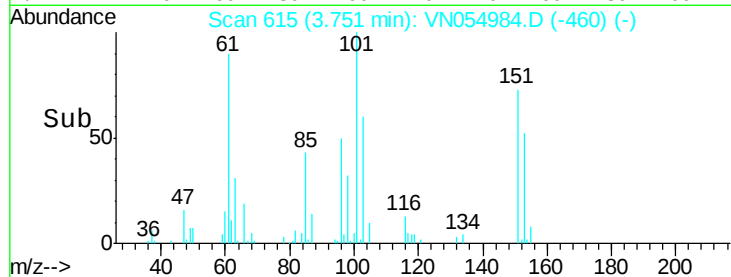
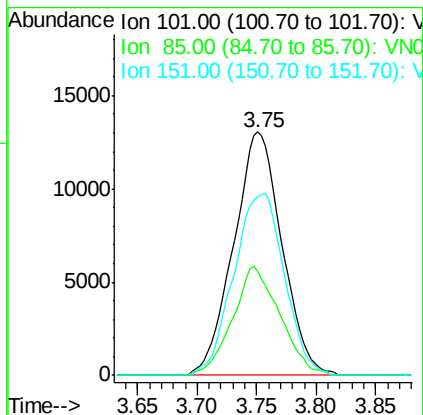
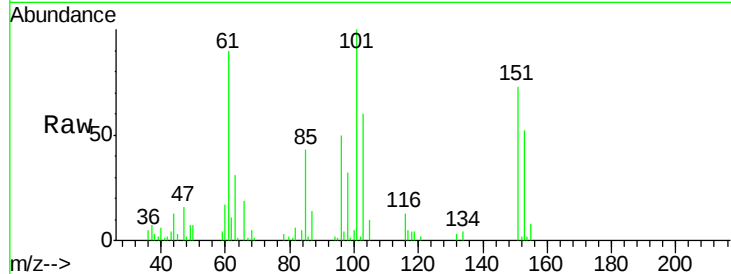
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	101	Resp:	36672
Ion Ratio	Lower	Upper	
101	100		
85	43.8	0.0	91.4
151	78.1	0.0	165.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 10.988 ug/l

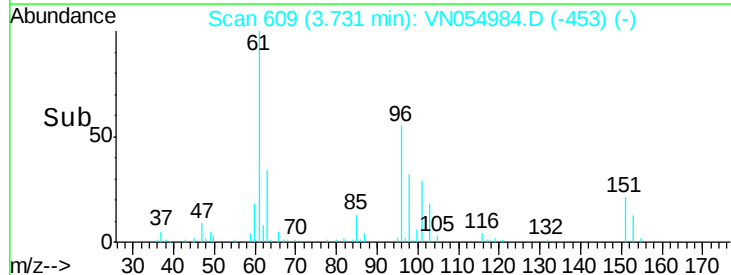
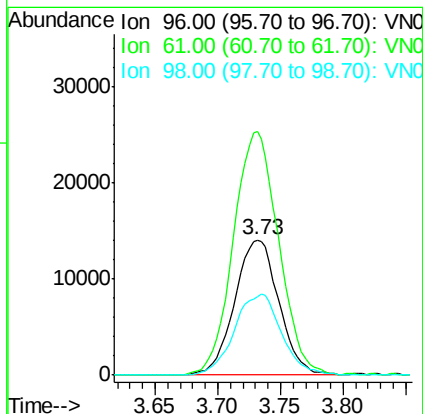
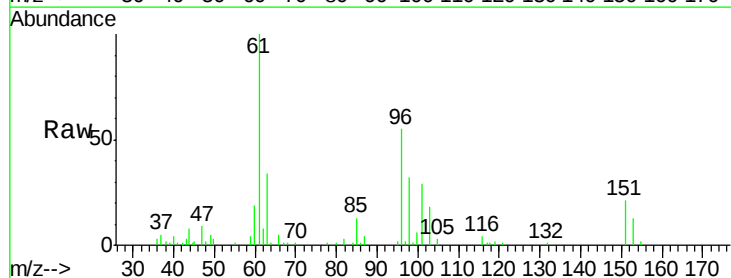
RT: 3.73 min Scan# 609

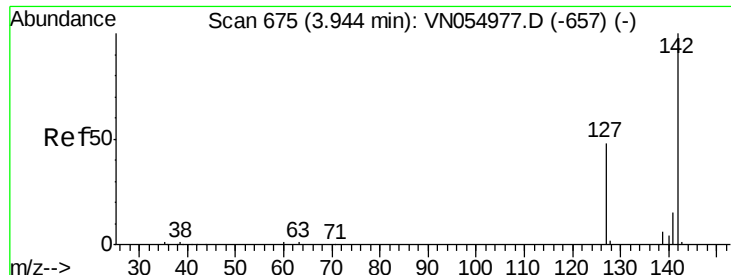
Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Tgt Ion:	96	Resp:	34478
Ion Ratio	Lower	Upper	
96	100		
61	180.6	148.4	222.6
98	58.3	52.2	78.2





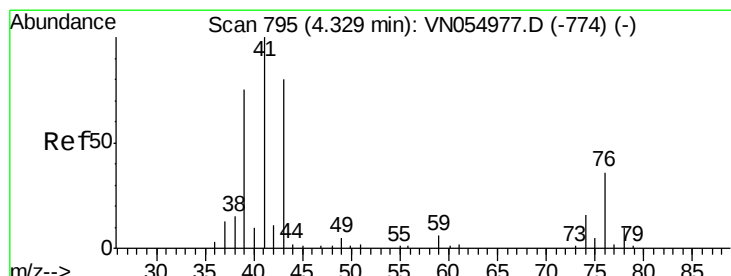
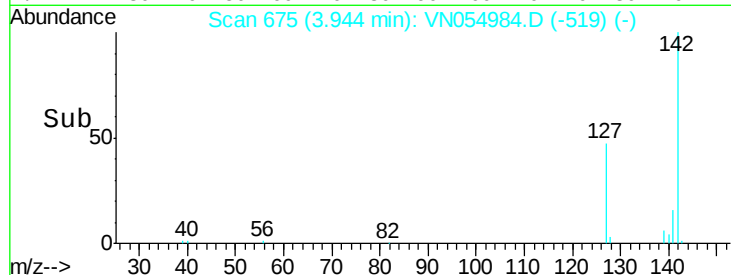
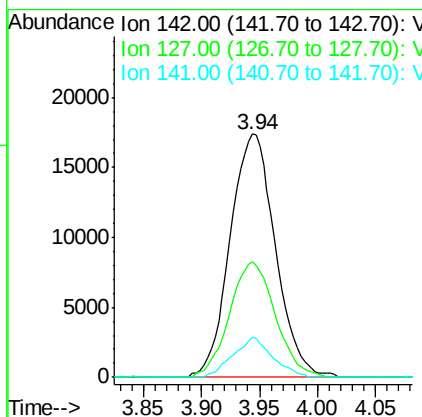
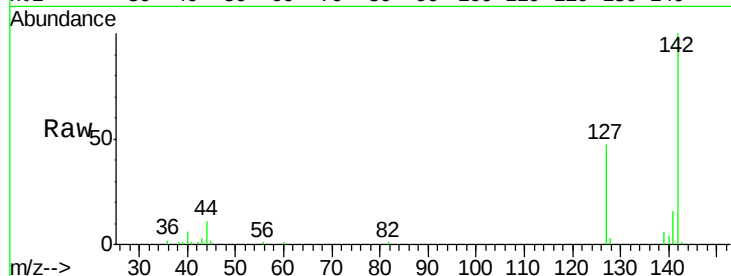
#11
Methvl Iodide
Concen: 9.912 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.3	23.8	71.5
141	16.4	7.3	22.0

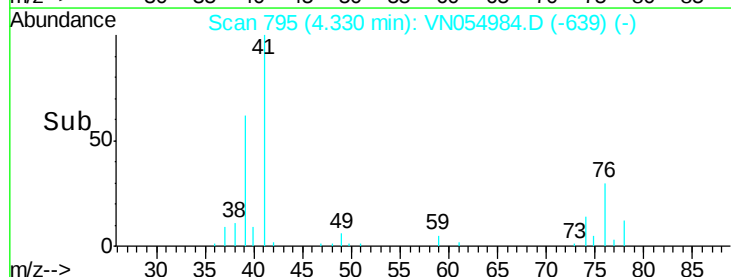
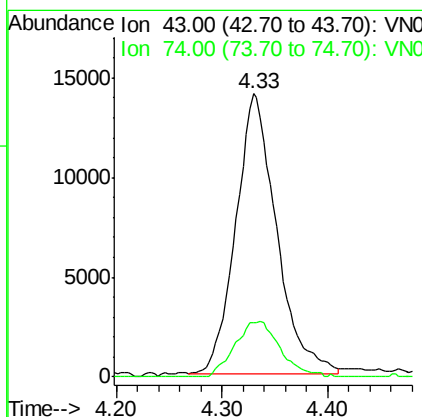
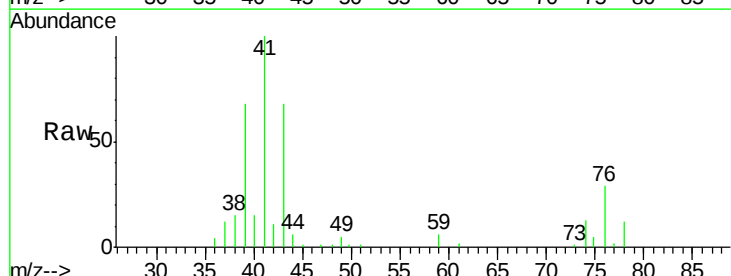
Manual Integrations
APPROVED

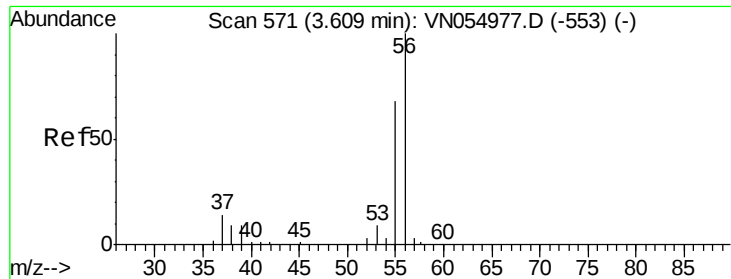
MMDadoda
4/12/2019 1:41:45 PM



#12
Methyl Acetate
Concen: 9.740 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	16.2	24.4





#13

Acrolein

Concen: 59.057 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 56 Resp: 19977

Ion Ratio Lower Upper

56 100

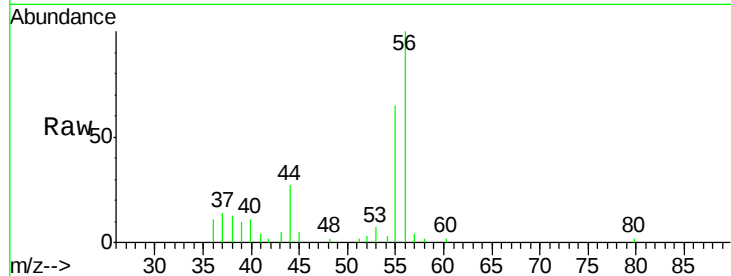
55 70.8 57.0 85.4

Manual Integrations

APPROVED

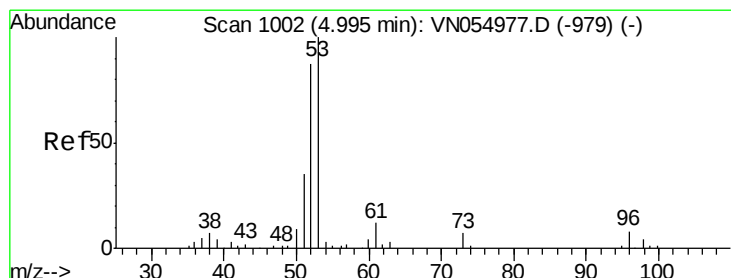
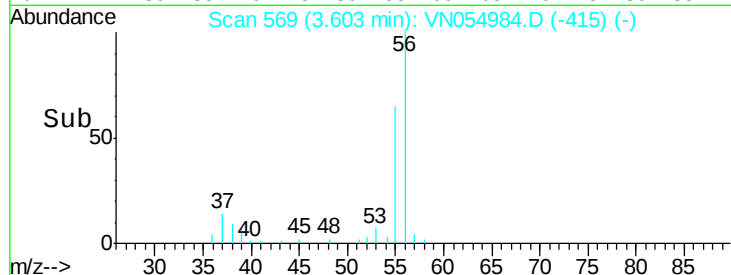
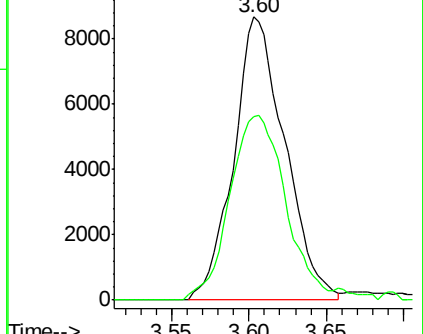
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 50.826 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

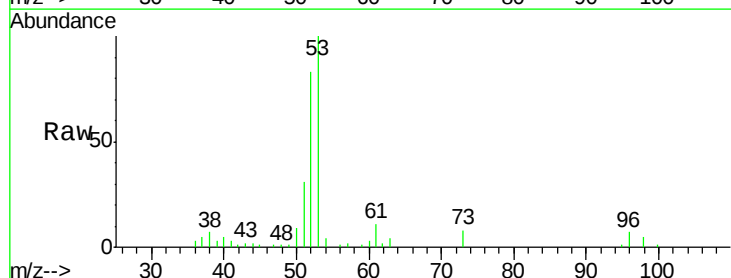
Tgt Ion: 53 Resp: 80370

Ion Ratio Lower Upper

53 100

52 84.9 42.3 126.8

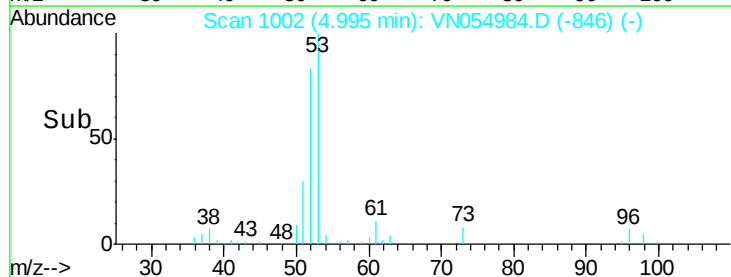
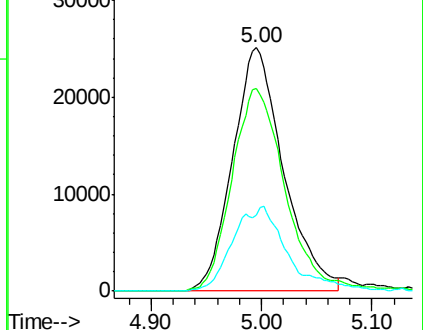
51 15.2 18.6 56.0#

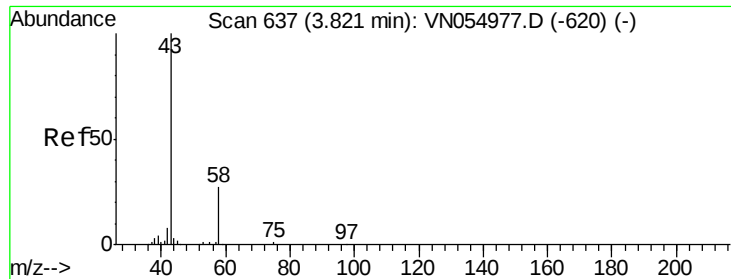


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 44.498 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 58 Resp: 17412

Ion Ratio Lower Upper

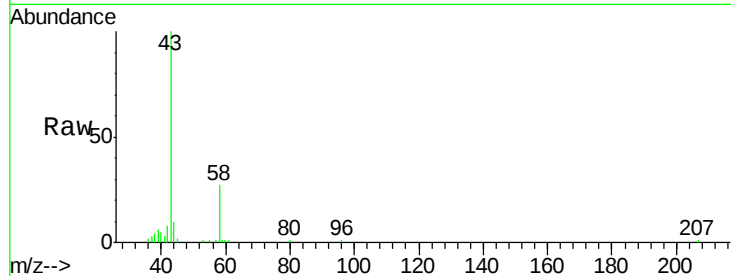
58 100

43 353.2 297.2 445.8

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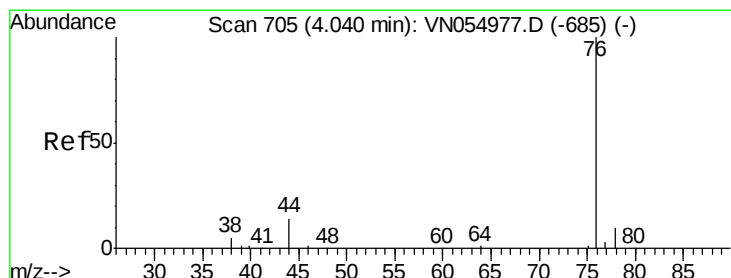
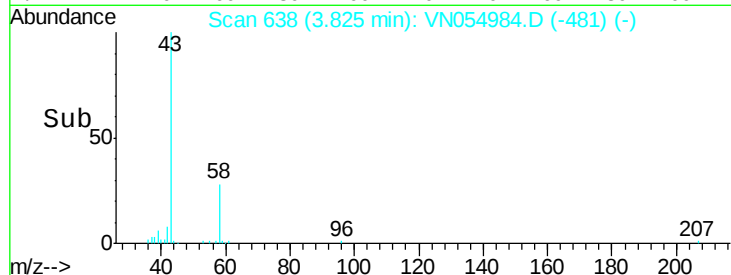
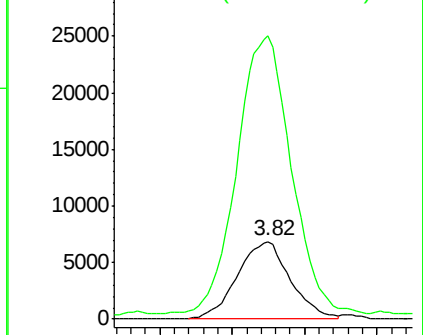
MMDadoda

4/12/2019 1:41:45 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 10.063 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054984.D

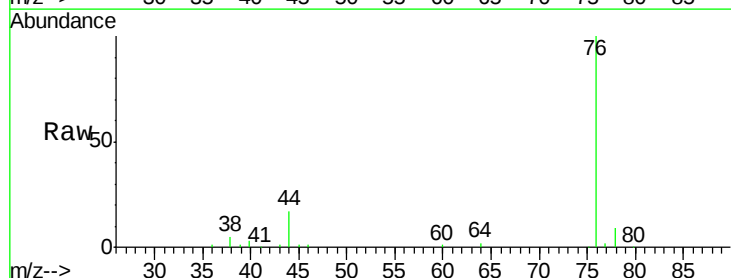
Acq: 11 Apr 2019 18:30

Tgt Ion: 76 Resp: 105914

Ion Ratio Lower Upper

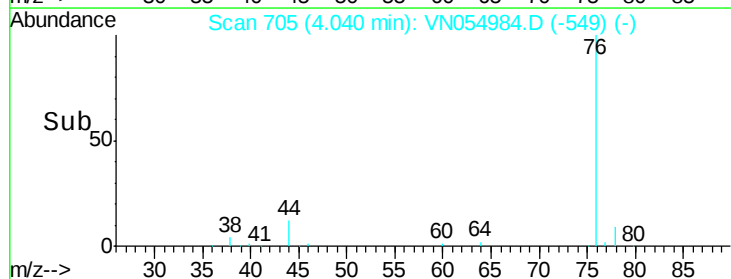
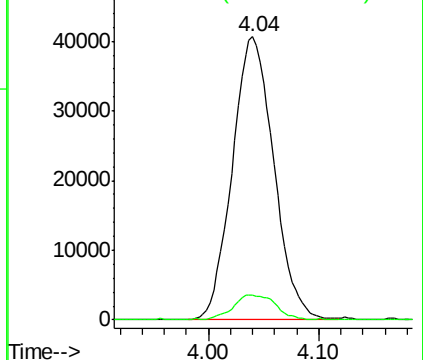
76 100

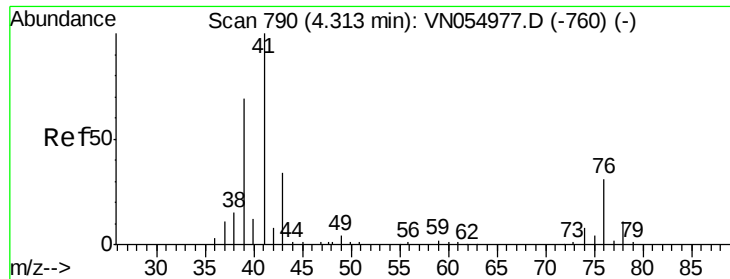
78 8.6 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 10.209 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Instrument :

MSVOA_N

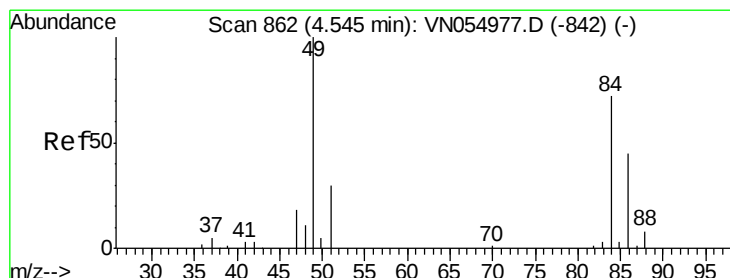
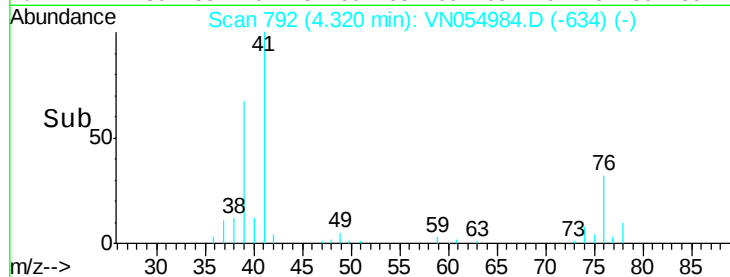
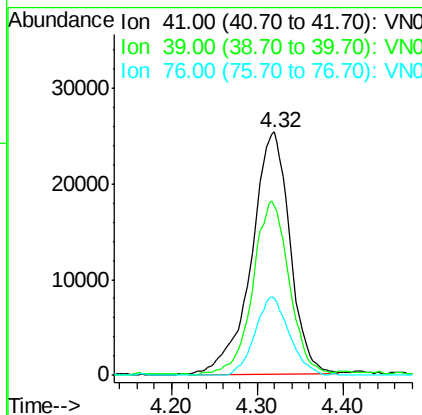
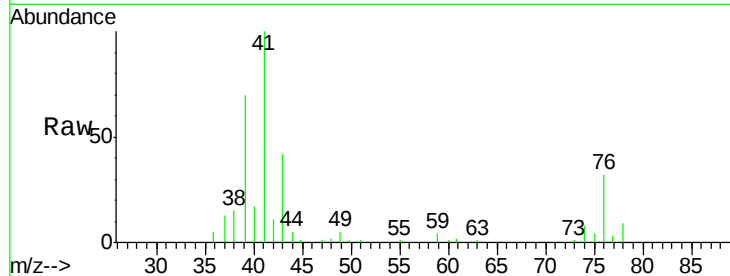
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	41	Resp:	78894
Ion	Ratio	Lower	Upper
41	100		
39	69.4	34.3	102.9
76	31.9	15.8	47.3

Manual Integrations
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#18

Methylene Chloride

Concen: 11.093 ug/l

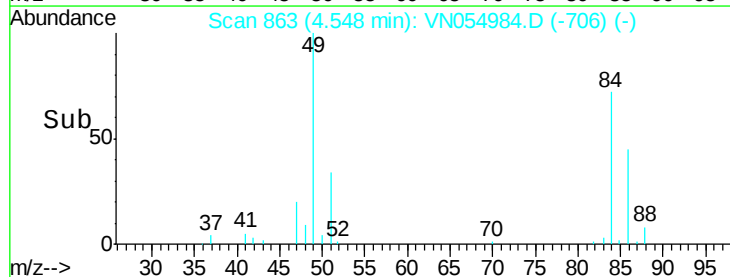
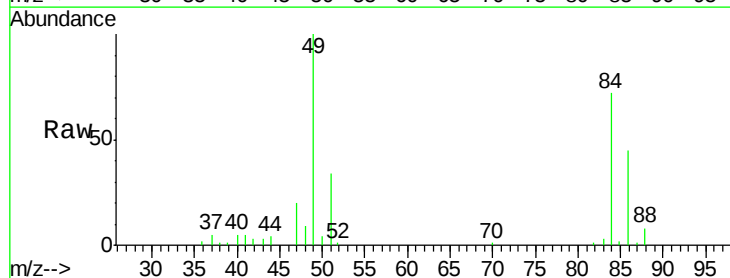
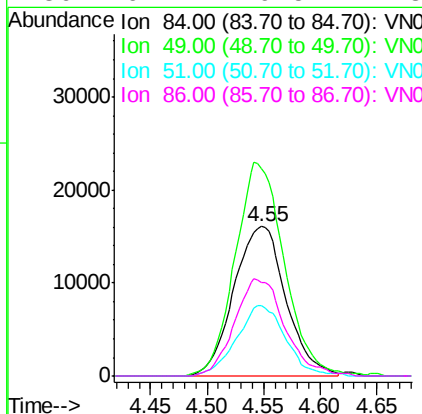
RT: 4.55 min Scan# 863

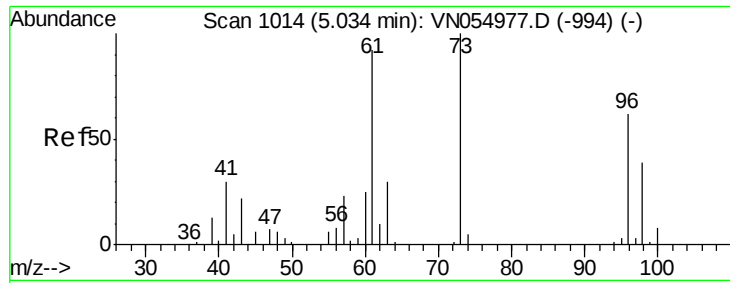
Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Tgt Ion:	84	Resp:	51453
Ion	Ratio	Lower	Upper
84	100		
49	137.5	111.0	166.4
51	47.4	33.4	50.2
86	62.4	49.5	74.3





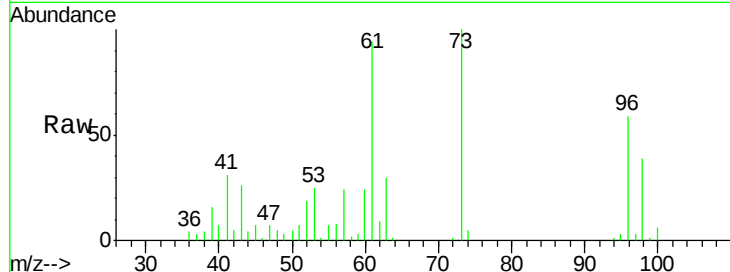
#19
trans-1,2-Dichloroethene
Concen: 10.694 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	161.1	117.2	175.8	
98	66.2	49.4	74.2	

Manual Integrations
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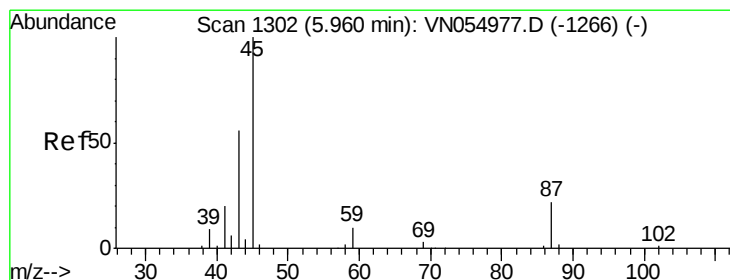
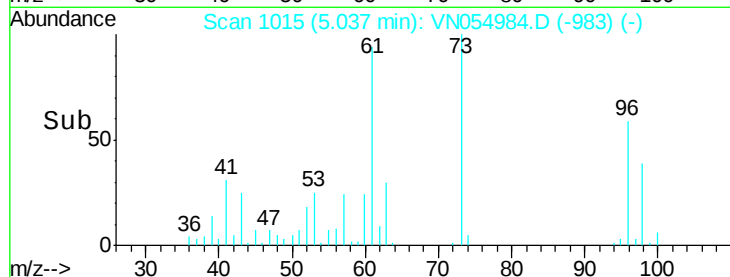
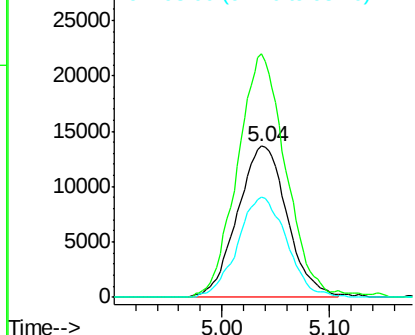


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 10.006 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	57.7	45.8	68.8	
87	23.9	18.2	27.4	
59	10.3	8.2	12.2	

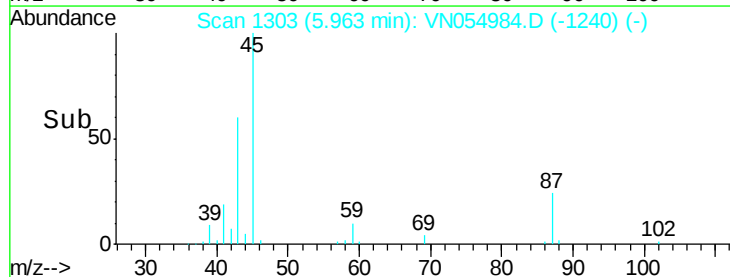
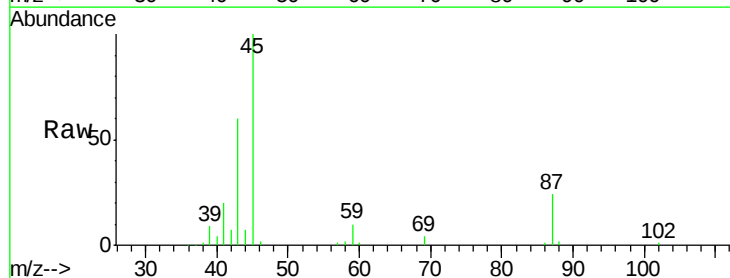
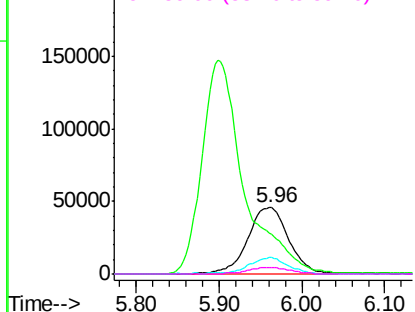
Abundance

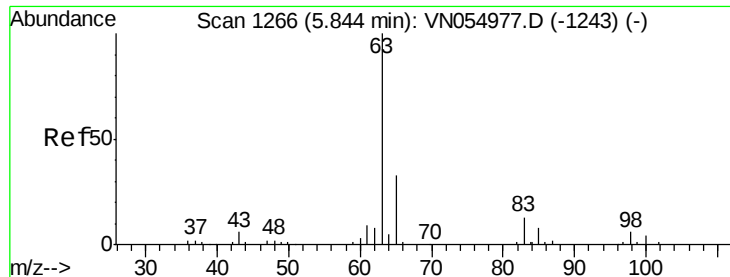
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





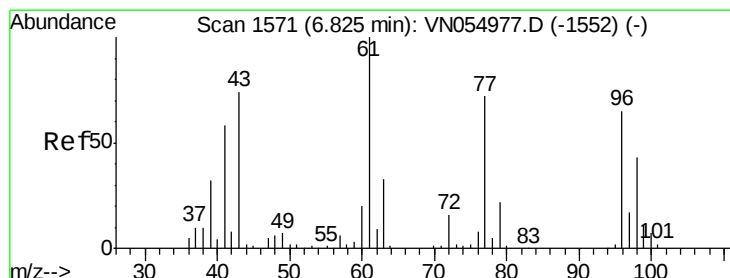
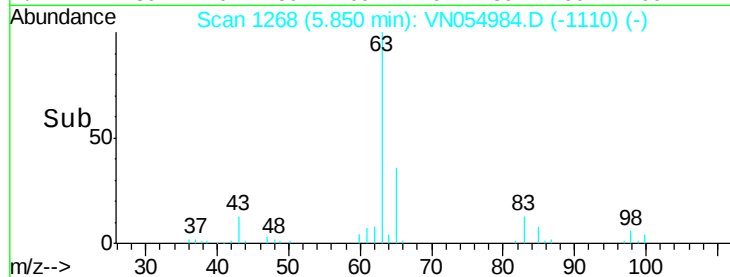
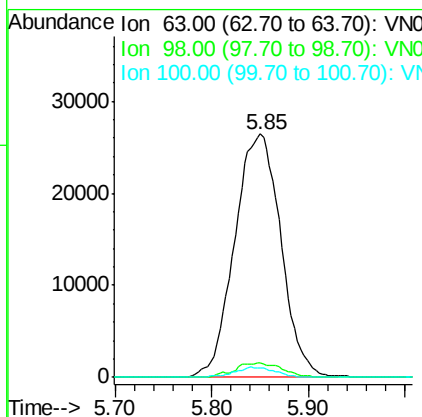
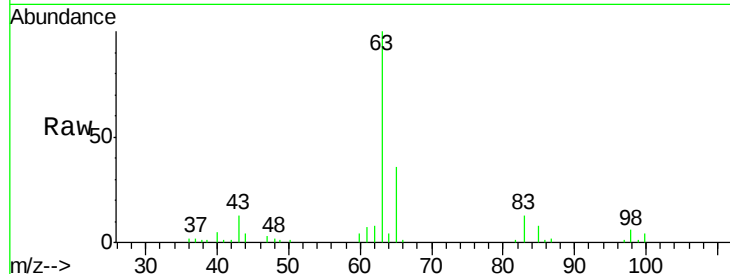
#21
 1,1-Dichloroethane
 Concen: 10.501 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

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

Tot Ion:	63	Resp:	87807
Ion Ratio	Lower	Upper	
63	100		
98	6.0	2.9	8.7
100	3.9	2.0	5.8

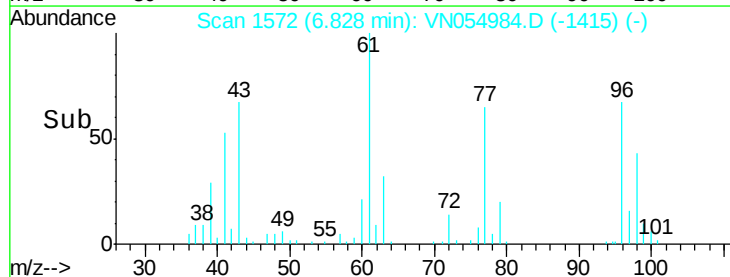
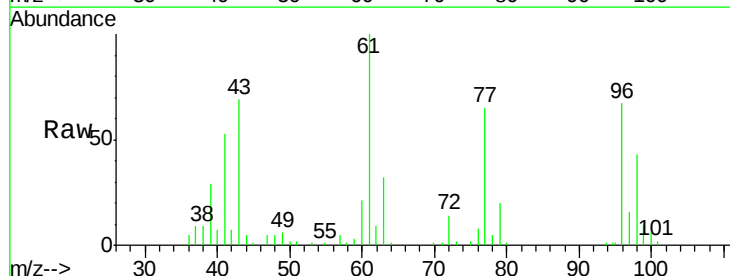
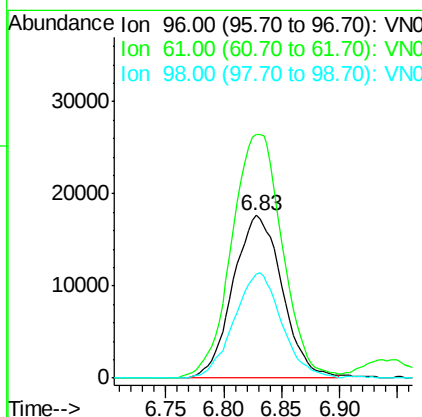
Manual Integrations
 APPROVED

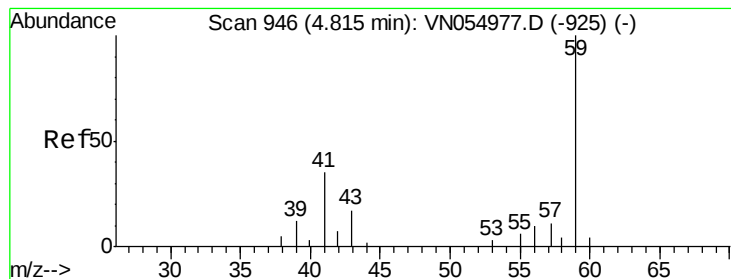
MMDadoda
 4/12/2019 1:41:45 PM



#22
 cis-1,2-Dichloroethene
 Concen: 10.973 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

Tgt Ion:	96	Resp:	52101
Ion Ratio	Lower	Upper	
96	100		
61	154.3	125.0	187.6
98	62.8	52.2	78.2





#23

tert-Butyl Alcohol

Concen: 53.161 ug/l m

RT: 4.81 min Scan# 945

Delta R.T. -0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 59 Resp: 13404

Ion Ratio Lower Upper

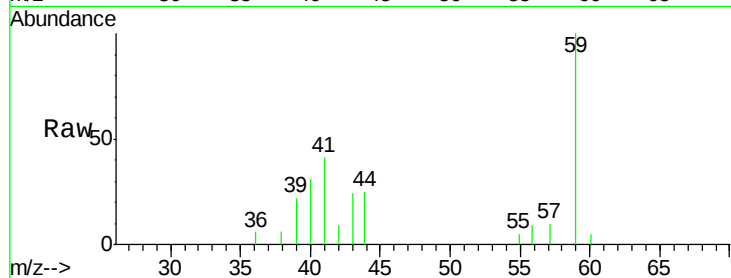
59 100

52 0.0 0.0 0.0

Manual Integrations
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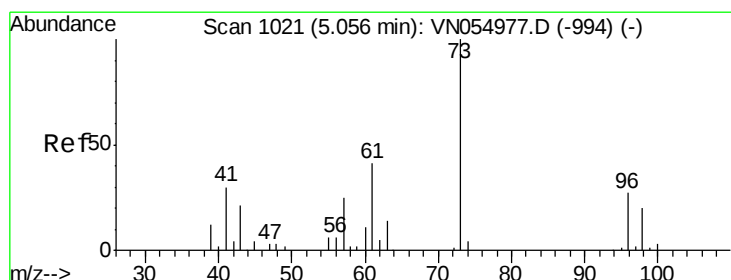
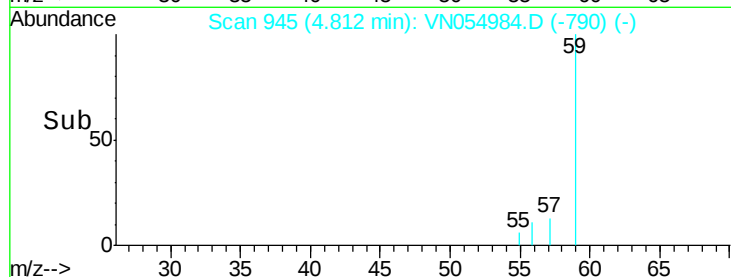
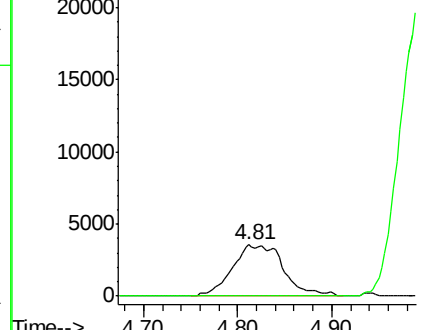
MMDadoda

4/12/2019 1:41:45 PM



Abundance Ion 59.00 (58.70 to 59.70): VN054977.D (-925) (-)

Ion 52.00 (51.70 to 52.70): VN054977.D (-925) (-)



#24

Methyl tert-Butyl Ether

Concen: 10.585 ug/l

RT: 5.06 min Scan# 1021

Delta R.T. 0.00 min

Lab File: VN054984.D

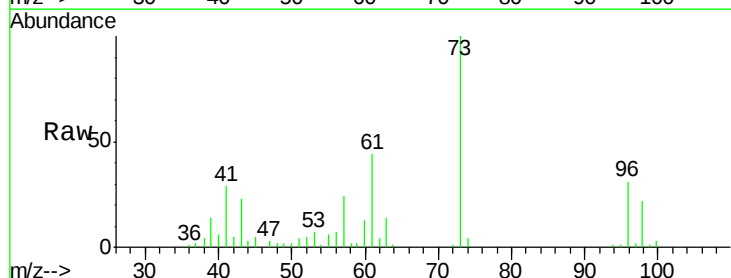
Acq: 11 Apr 2019 18:30

Tgt Ion: 73 Resp: 111534

Ion Ratio Lower Upper

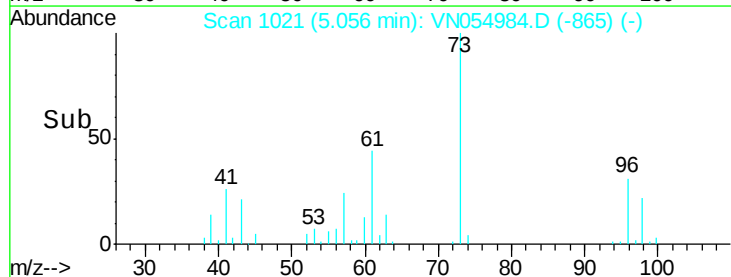
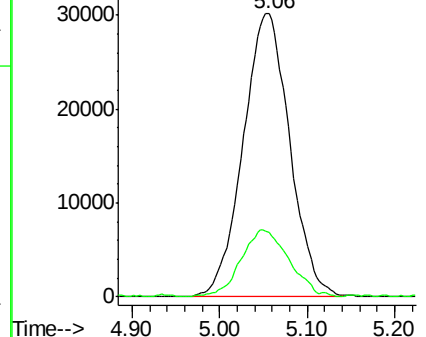
73 100

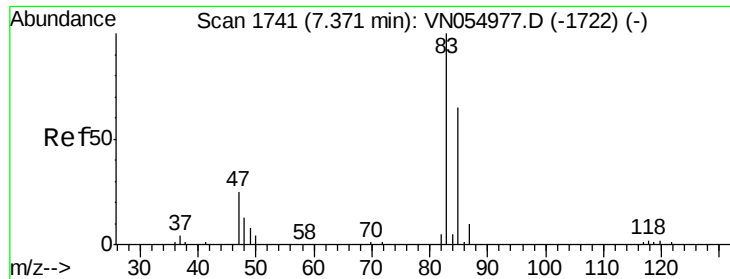
43 24.2 8.0 12.0#



Abundance Ion 73.00 (72.70 to 73.70): VN054977.D (-994) (-)

Ion 43.00 (42.70 to 43.70): VN054977.D (-994) (-)





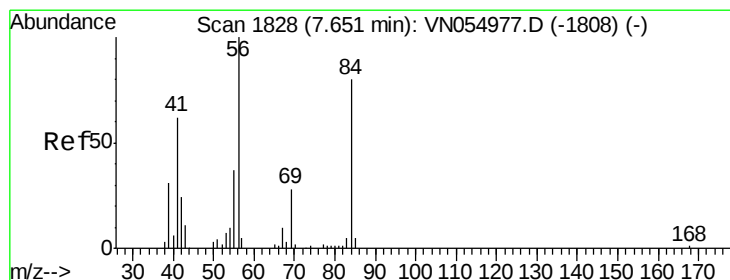
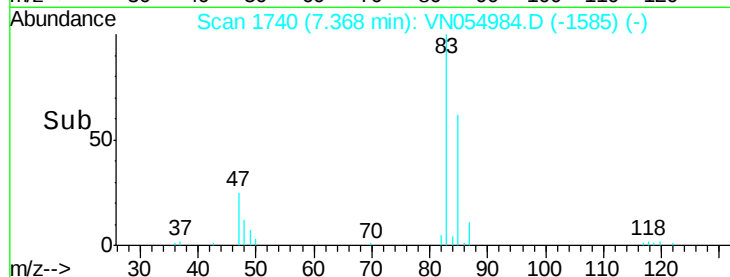
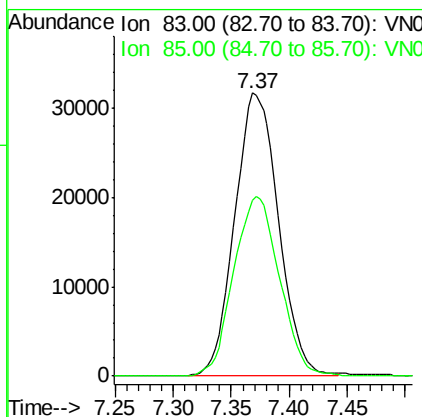
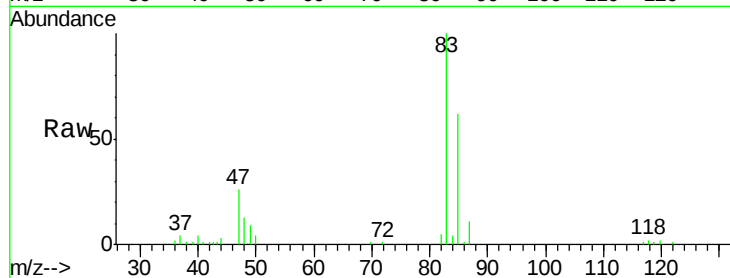
#25
Chloroform
Concen: 10.398 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion	83	Resp	83279
Ion Ratio	100	Lower	Upper
83	100	51.8	77.8
85	61.9		

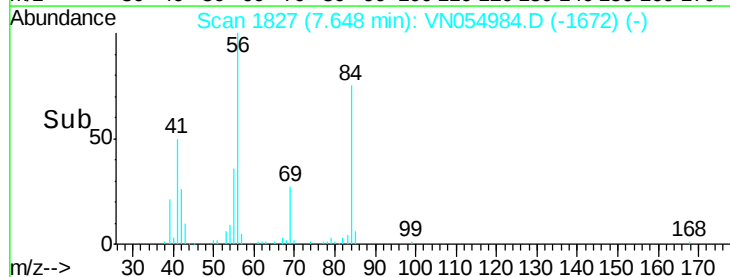
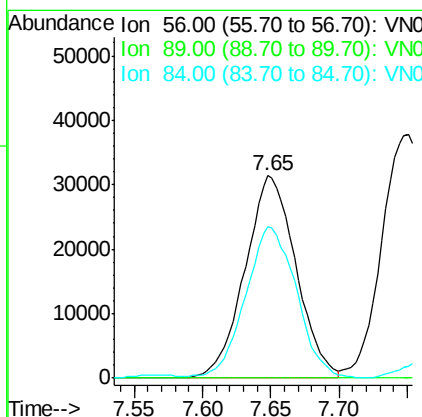
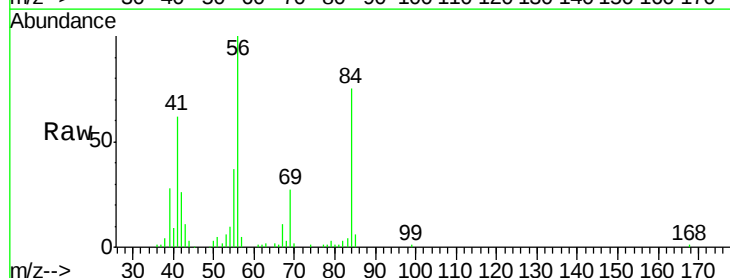
Manual Integrations
APPROVED

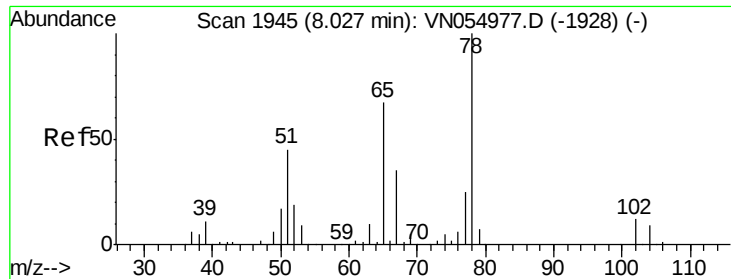
MMDadoda
4/12/2019 1:41:45 PM



#26
Cyclohexane
Concen: 10.469 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion	56	Resp	81218
Ion Ratio	100	Lower	Upper
56	100	0.0	0.0
89	0.0	0.0	0.0
84	75.2	63.5	95.3





#27

1,2-Dichloroethane-d4

Concen: 10.469 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 65 Resp: 165351

Ion Ratio Lower Upper

65 100

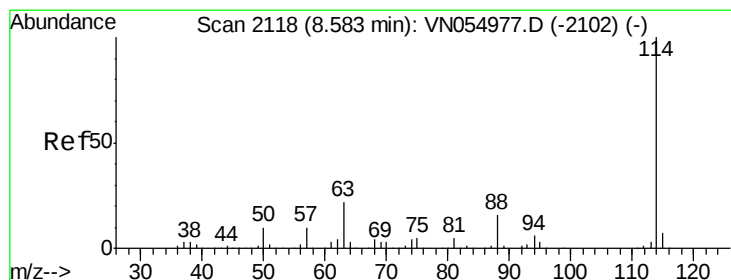
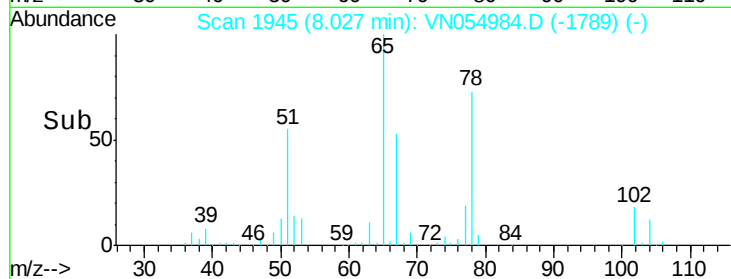
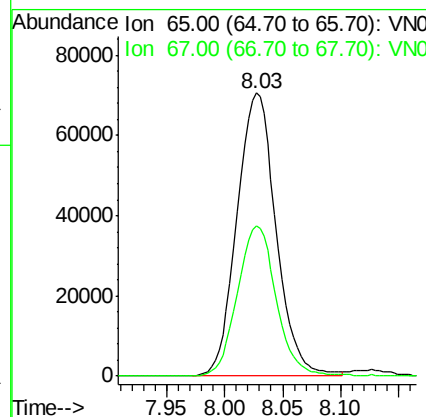
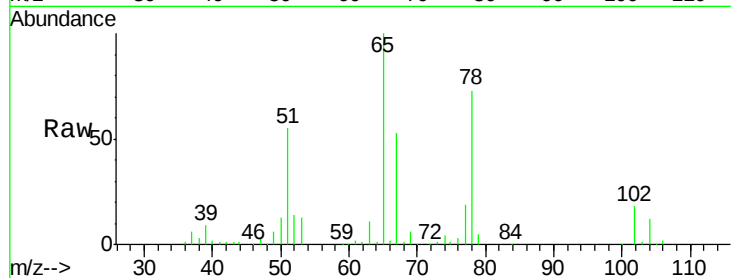
67 52.4 41.8 62.8

Manual Integrations

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MMDadoda

4/12/2019 1:41:45 PM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

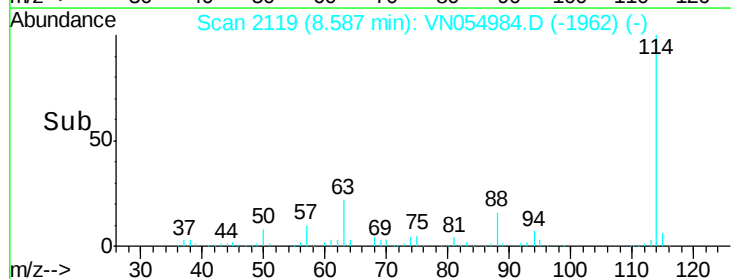
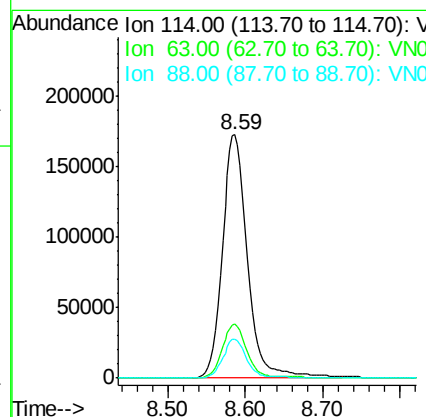
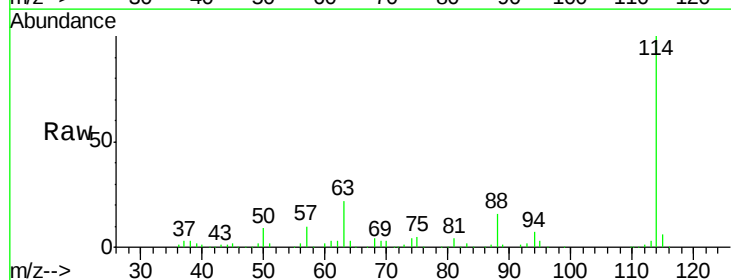
Tgt Ion: 114 Resp: 390590

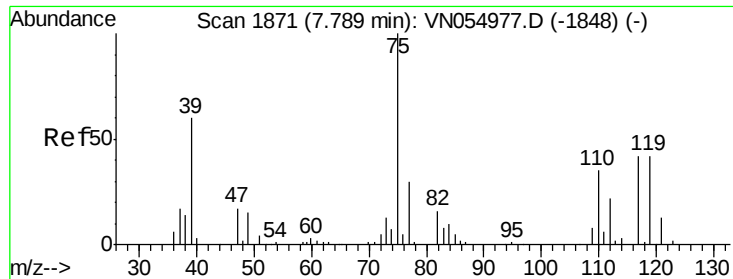
Ion Ratio Lower Upper

114 100

63 21.7 17.0 25.4

88 15.0 12.3 18.5





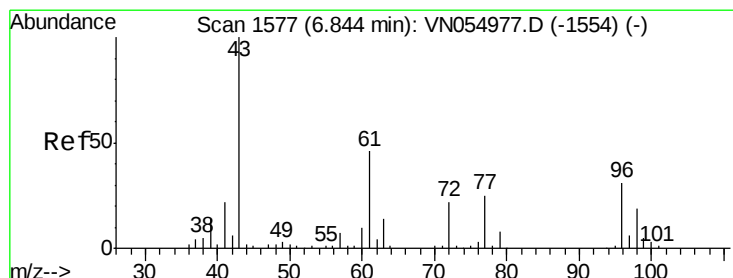
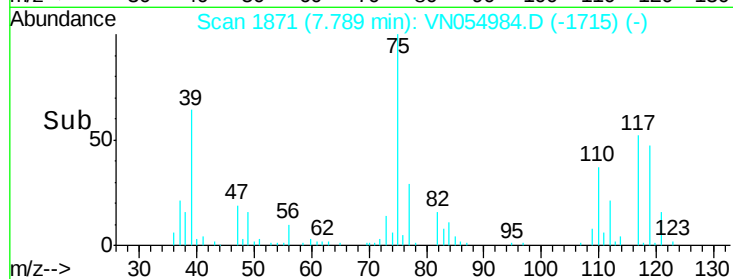
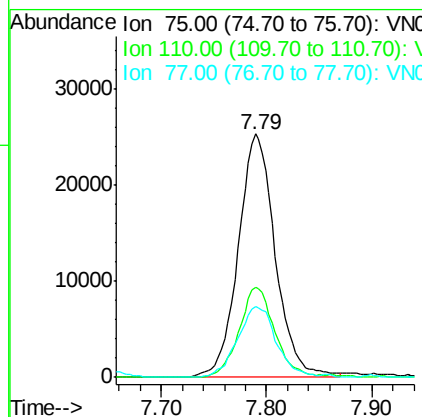
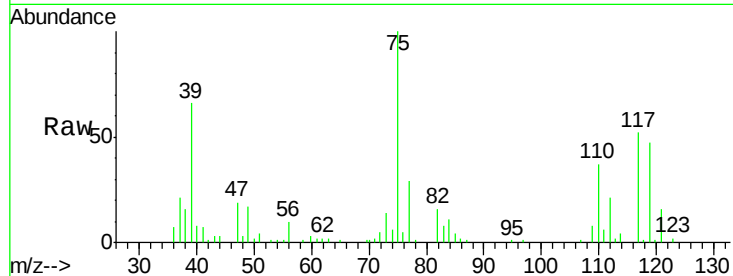
#29
 1,1-Dichloropropene
 Concen: 10.164 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.6	0.0	68.4	
77	30.4	0.0	58.6	

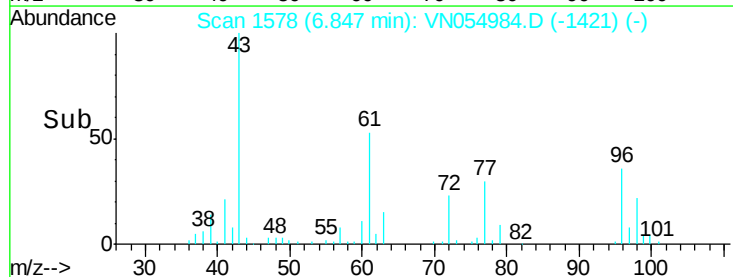
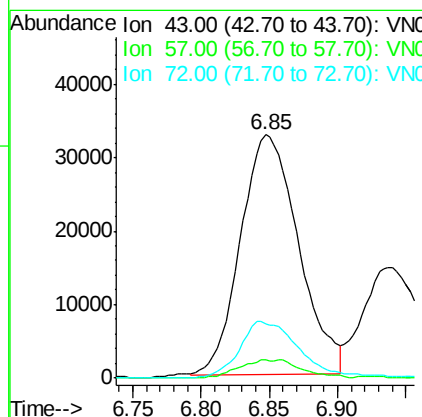
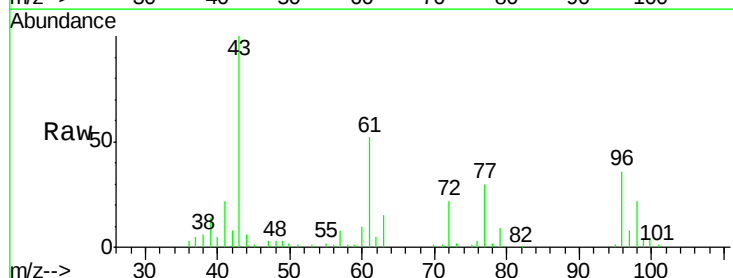
Manual Integrations
 APPROVED

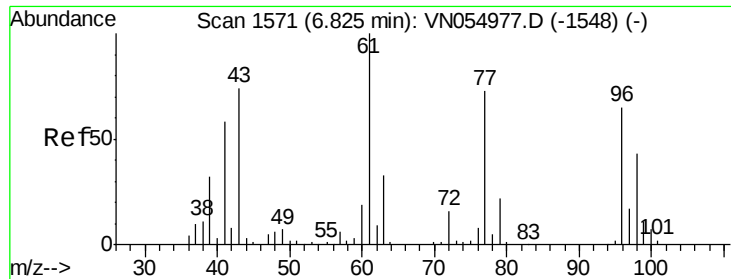
MMDadoda
 4/12/2019 1:41:45 PM



#30
 2-Butanone
 Concen: 47.770 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	4.2	6.0	9.0#	
72	24.2	18.6	27.8	





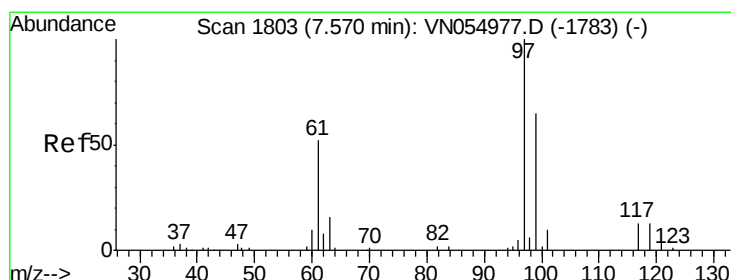
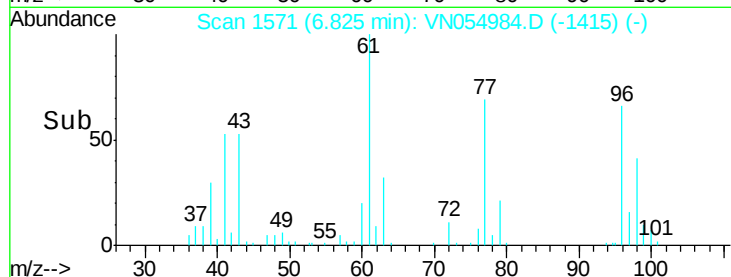
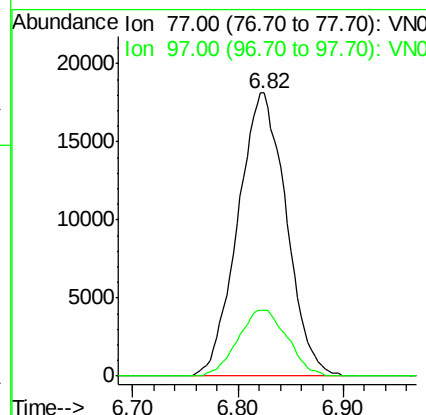
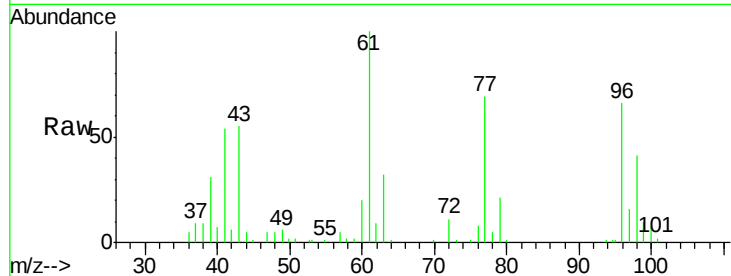
#31
 2,2-Dichloropropane
 Concen: 10.319 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

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

Tot Ion: 77 Resp: 57774
 Ion Ratio Lower Upper
 77 100
 97 13.1 0.0 0.0#

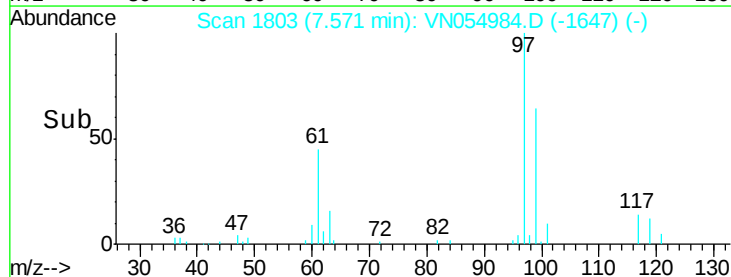
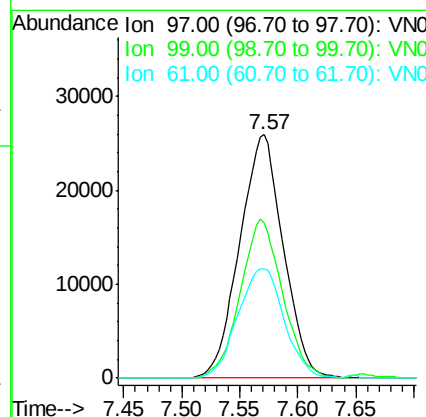
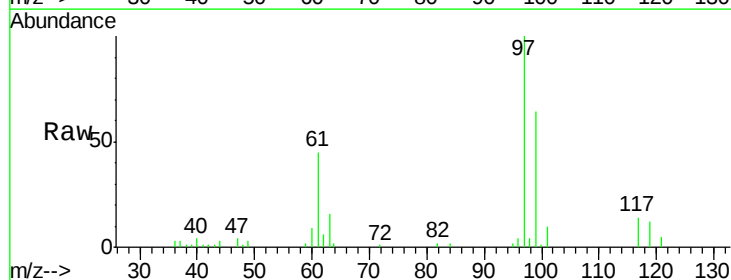
Manual Integrations
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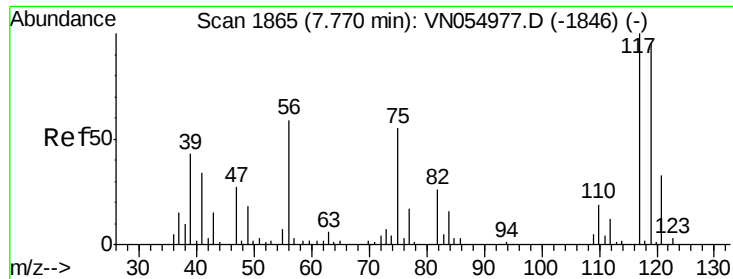
MMDadoda
 4/12/2019 1:41:45 PM



#32
 1,1,1-Trichloroethane
 Concen: 10.568 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

Tgt Ion: 97 Resp: 67947
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.2 76.8
 61 47.6 40.6 60.8





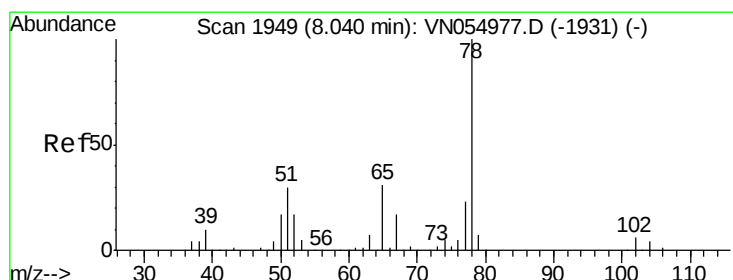
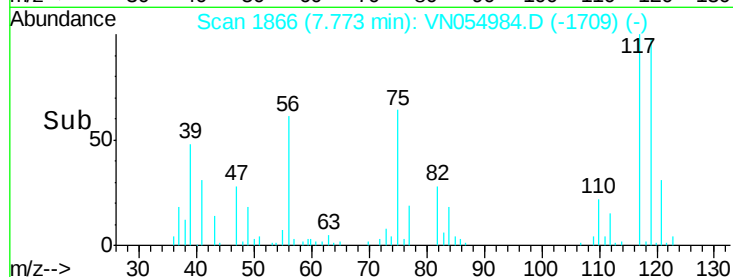
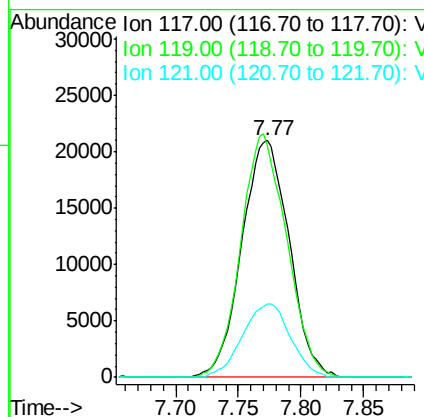
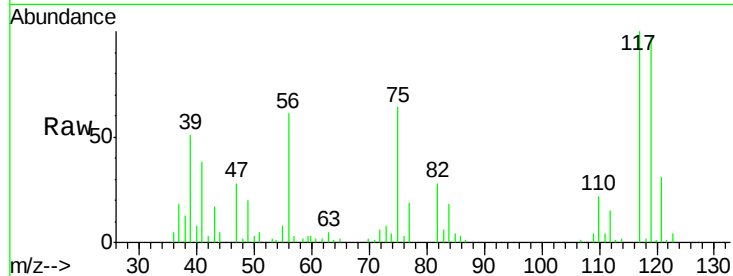
#33
Carbon Tetrachloride
Concen: 9.921 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.1	114.1
121	31.7	26.2	39.4

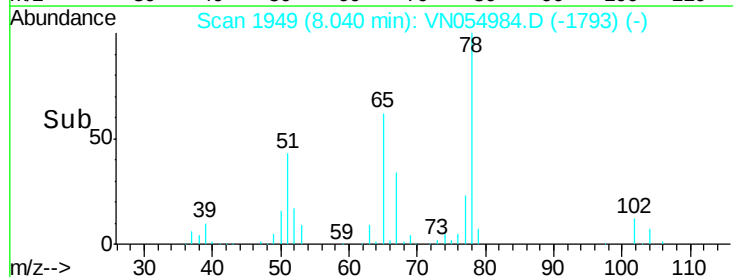
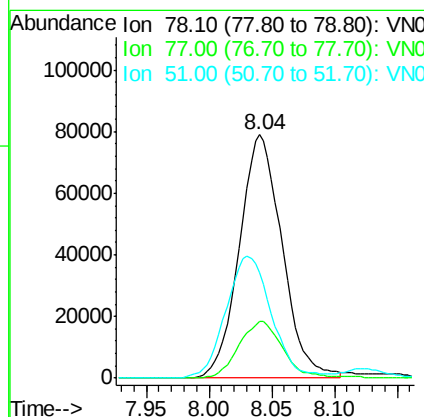
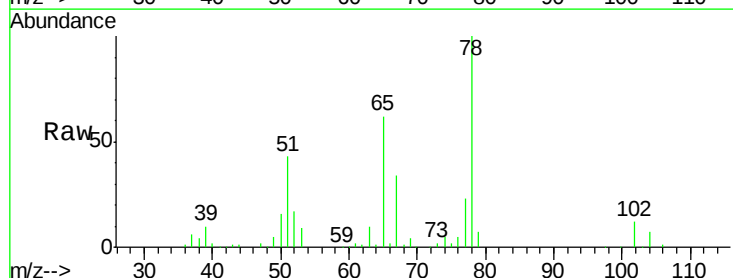
Manual Integrations
APPROVED

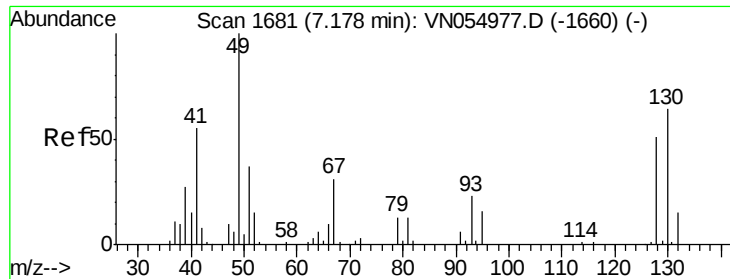
MMDadoda
4/12/2019 1:41:45 PM



#34
Benzene
Concen: 10.417 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.4
51	42.4	23.7	35.5





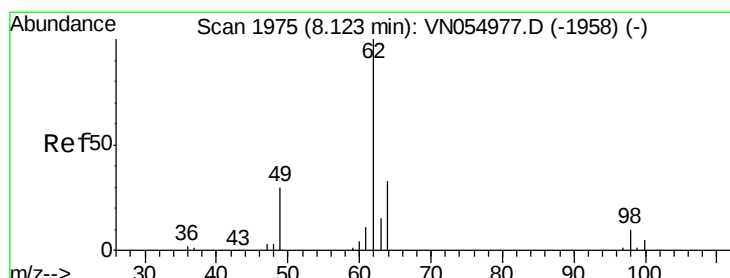
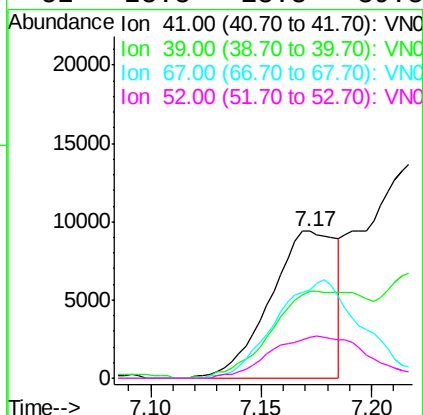
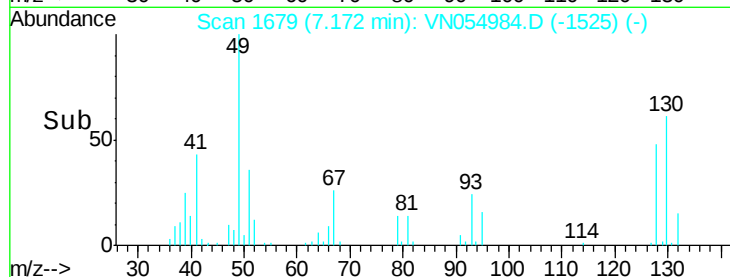
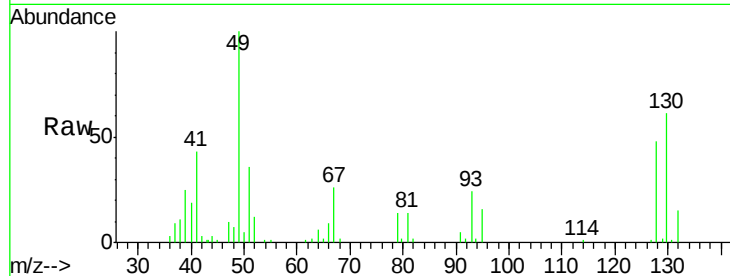
#35
Methacrylonitrile
Concen: 8.179 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion	41	Resp	19466
Ion Ratio	Lower	Upper	
41	100		
39	59.0	24.2	72.6
67	60.4	28.1	84.2
52	28.3	13.3	39.8

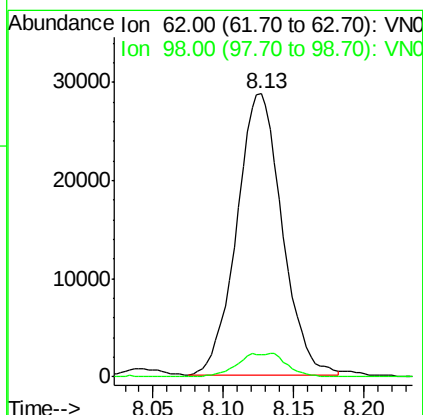
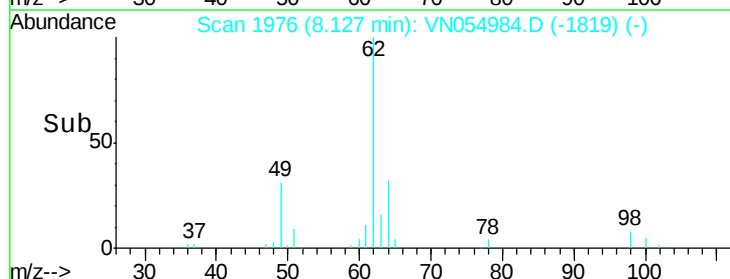
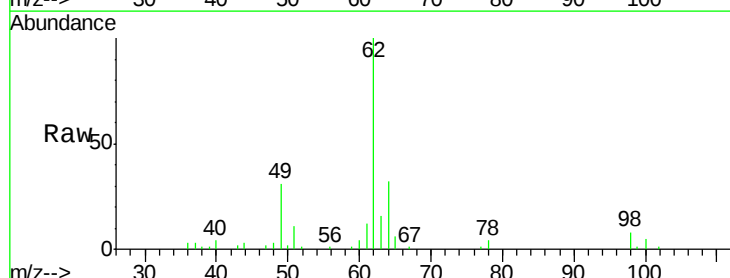
Manual Integrations
APPROVED

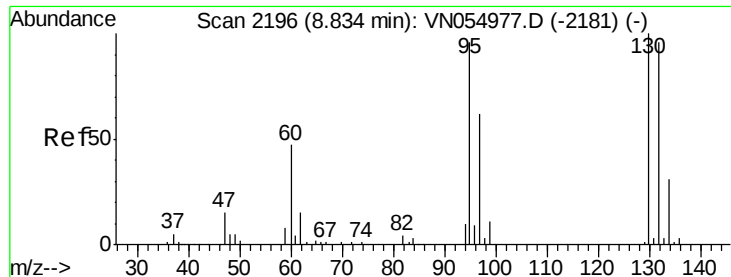
MMDadoda
4/12/2019 1:41:45 PM



#36
1,2-Dichloroethane
Concen: 10.461 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion	62	Resp	64448
Ion Ratio	Lower	Upper	
62	100		
98	4.8	6.9	10.3#





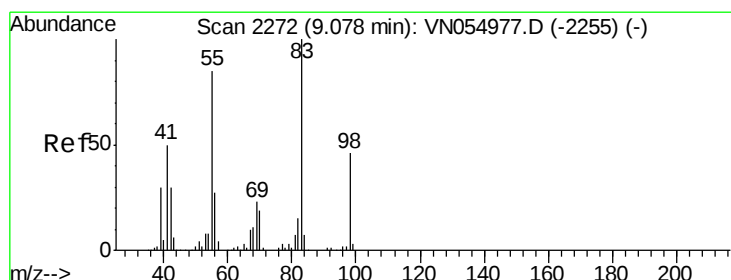
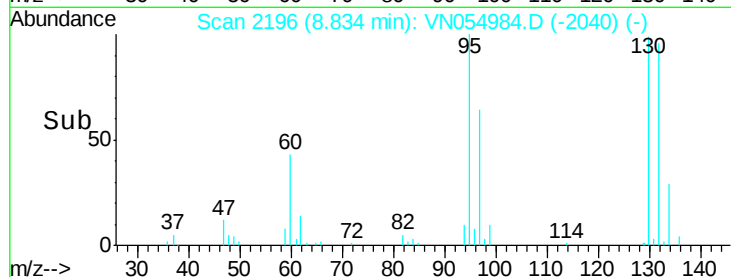
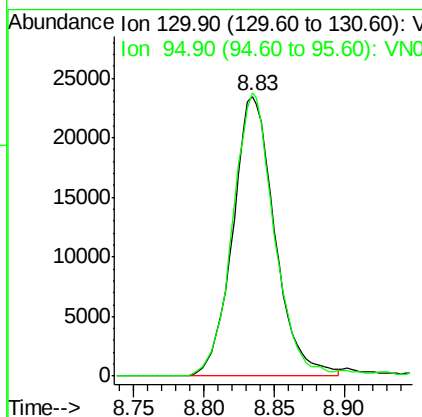
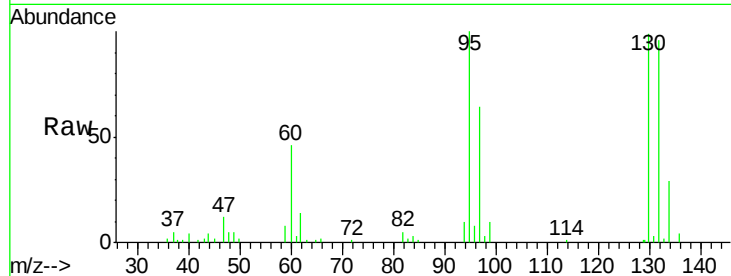
#37
 Trichloroethene
 Concen: 10.635 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

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

Tot Ion:130 Resp: 48873
 Ion Ratio Lower Upper
 130 100
 95 101.2 76.6 115.0

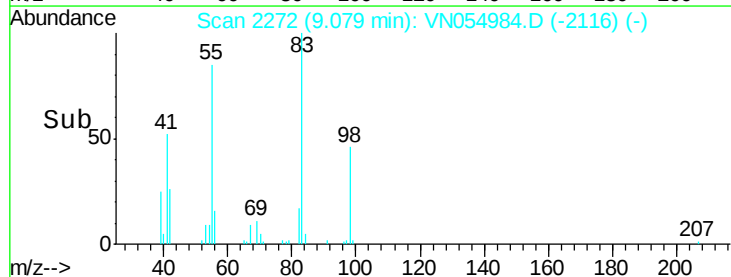
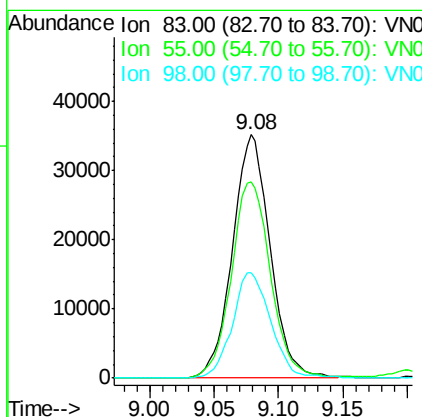
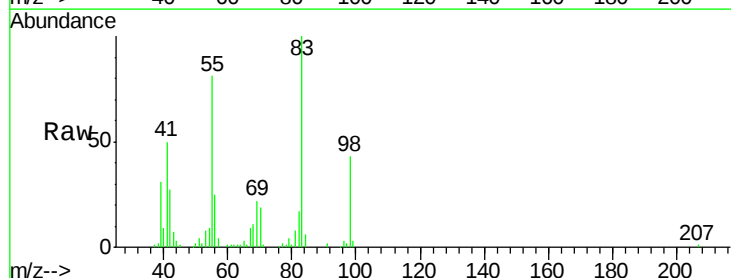
Manual Integrations
 APPROVED

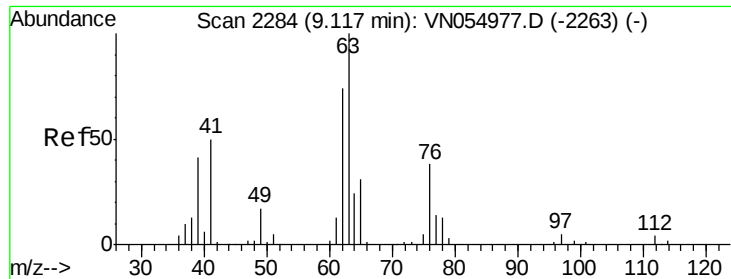
MMDadoda
 4/12/2019 1:41:45 PM



#38
 Methylcyclohexane
 Concen: 10.126 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

Tgt Ion: 83 Resp: 71433
 Ion Ratio Lower Upper
 83 100
 55 84.0 41.9 125.6
 98 43.8 22.4 67.0





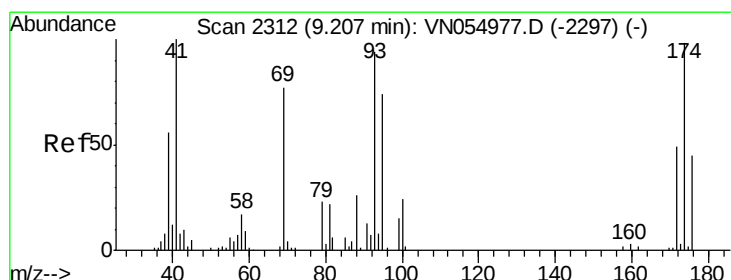
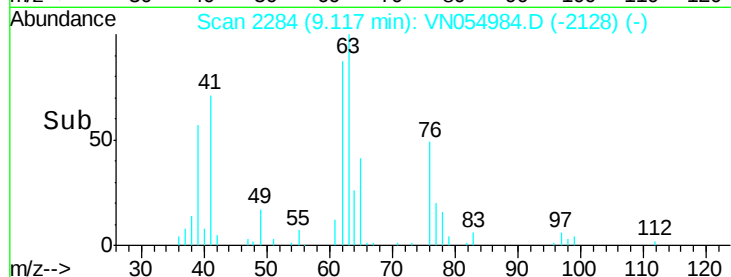
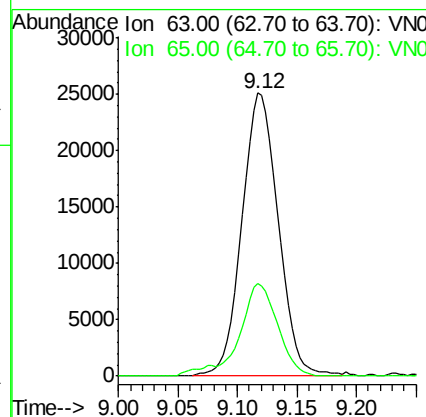
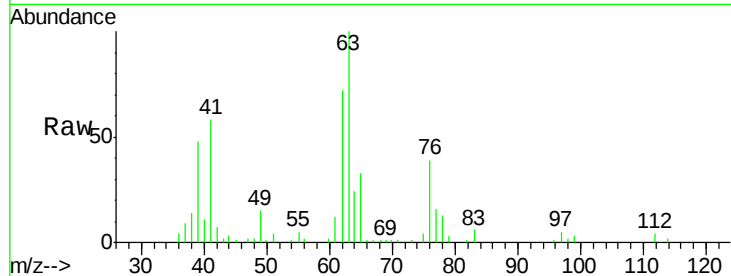
#39
 1,2-Dichloropropane
 Concen: 10.711 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	24.8	37.2

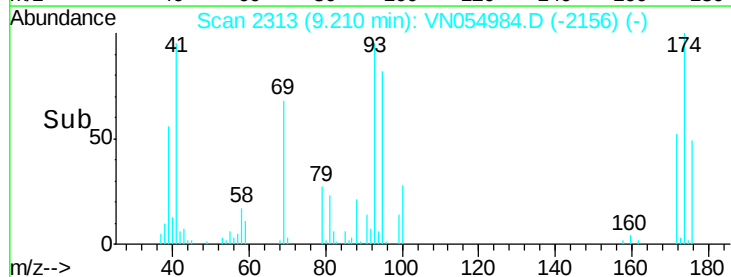
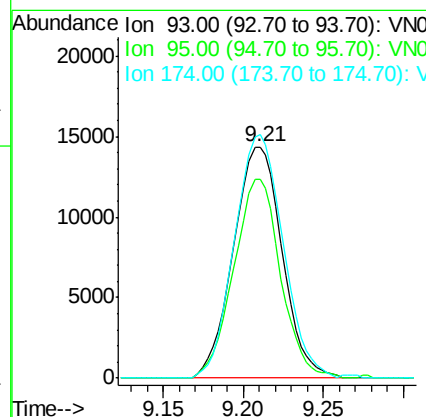
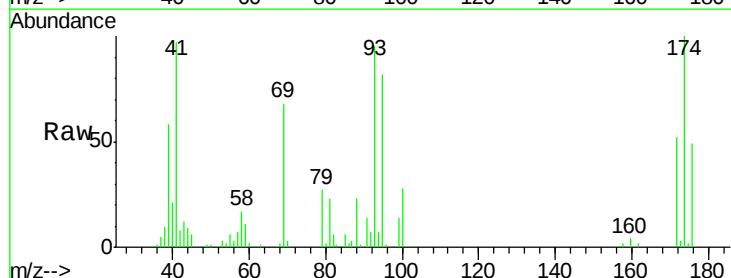
Manual Integrations
 APPROVED

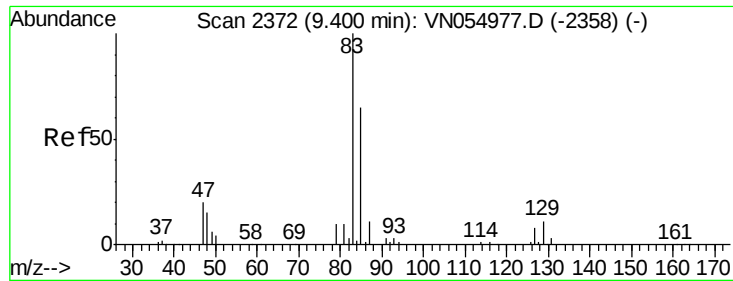
MMDadoda
 4/12/2019 1:41:45 PM



#40
 Dibromomethane
 Concen: 10.651 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	0.0	160.8
174	104.8	0.0	206.4





#41

Bromodichloromethane

Concen: 10.041 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Instrument :

MSVOA_N

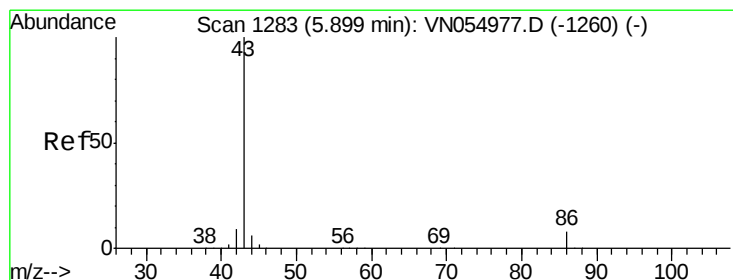
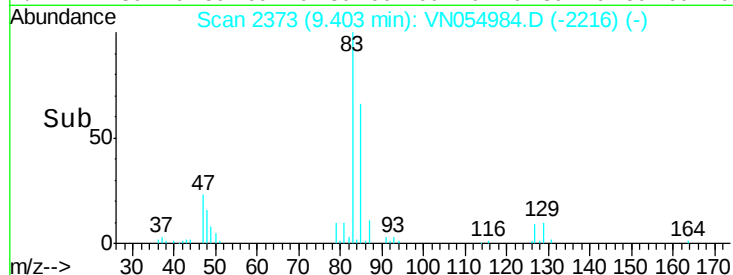
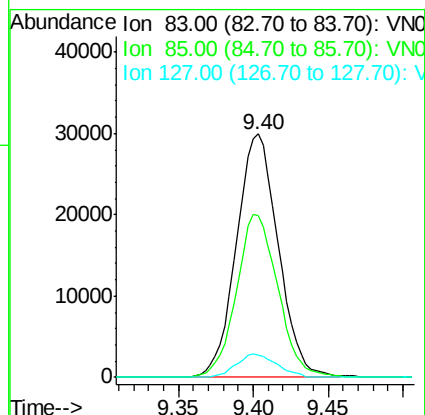
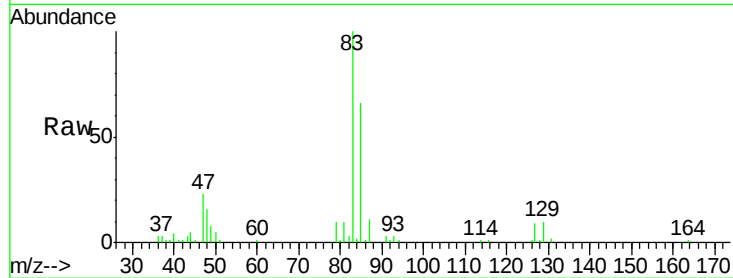
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	83	Resp:	58303
Ion Ratio	Lower	Upper	
83	100		
85	66.5	52.0	78.0
127	9.2	7.2	10.8

Manual Integrations
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4/12/2019 1:41:45 PM



#42

Vinyl Acetate

Concen: 50.891 ug/l

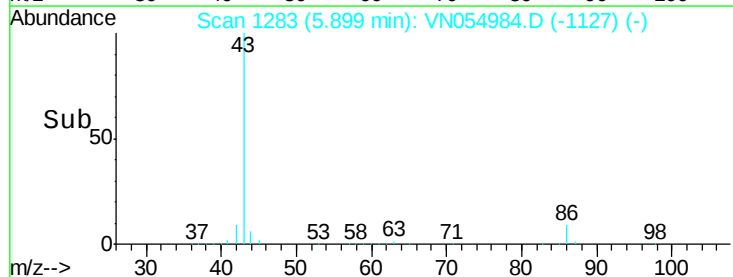
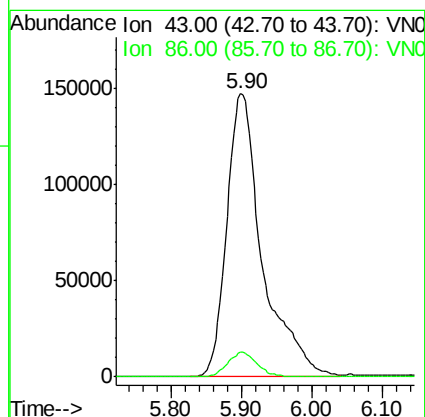
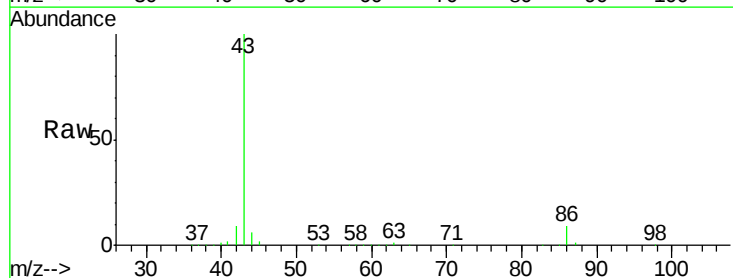
RT: 5.90 min Scan# 1283

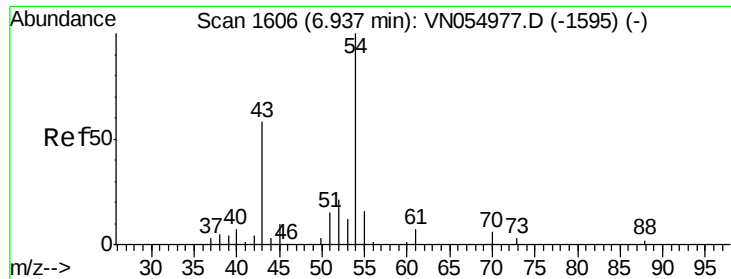
Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Tgt Ion:	43	Resp:	519498
Ion Ratio	Lower	Upper	
43	100		
86	7.3	5.7	8.5





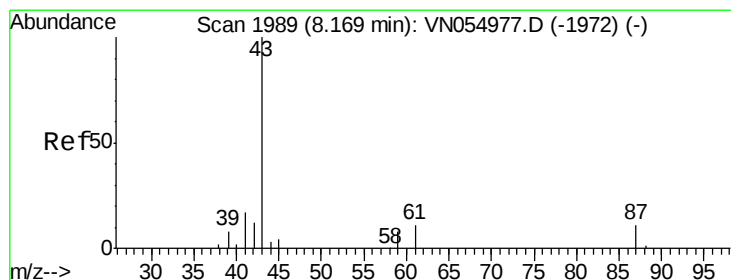
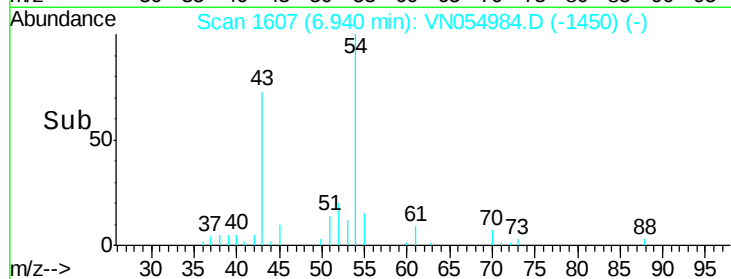
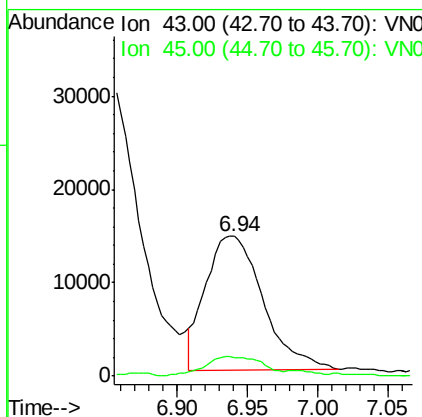
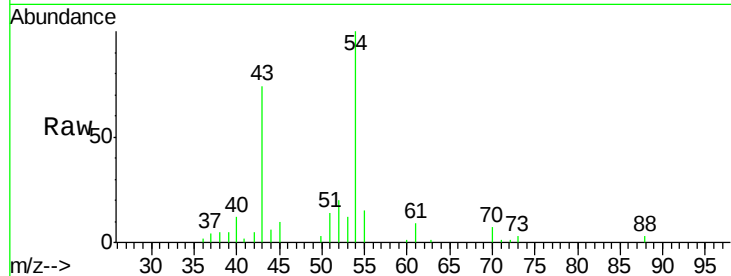
#43
Ethyl Acetate
Concen: 9.881 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion: 43 Resp: 40645
Ion Ratio Lower Upper
43 100
45 7.7 10.6 15.8#

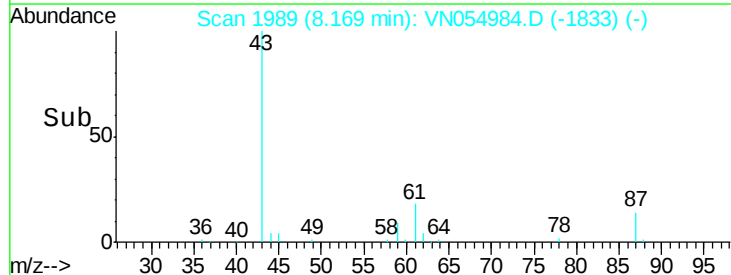
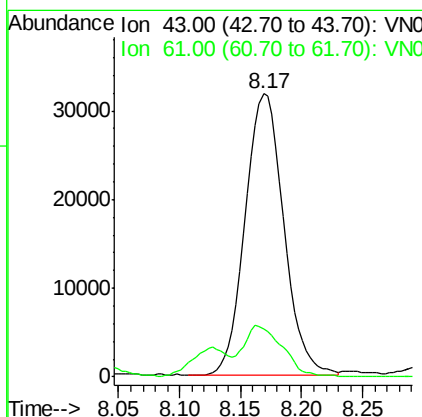
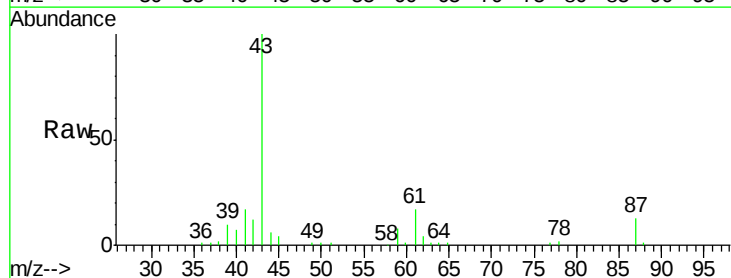
Manual Integrations
APPROVED

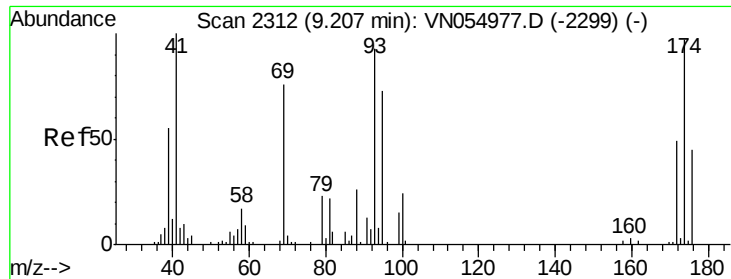
MMDadoda
4/12/2019 1:41:45 PM



#44
Isopropyl Acetate
Concen: 10.006 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion: 43 Resp: 69757
Ion Ratio Lower Upper
43 100
61 18.6 14.8 22.2





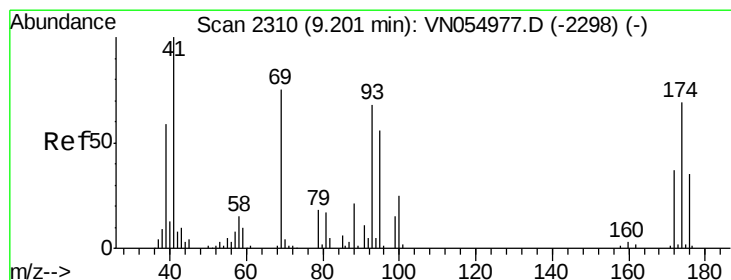
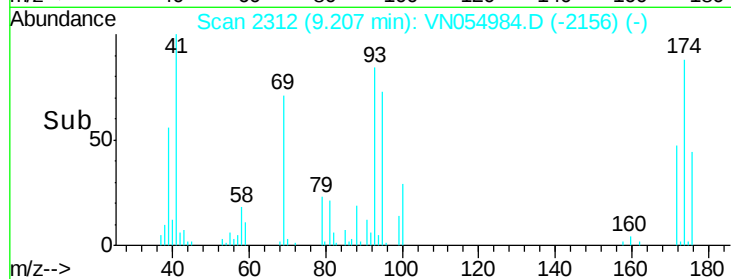
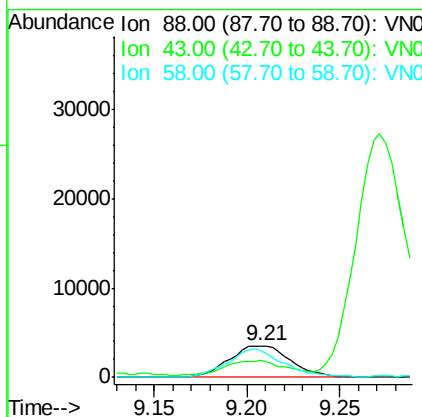
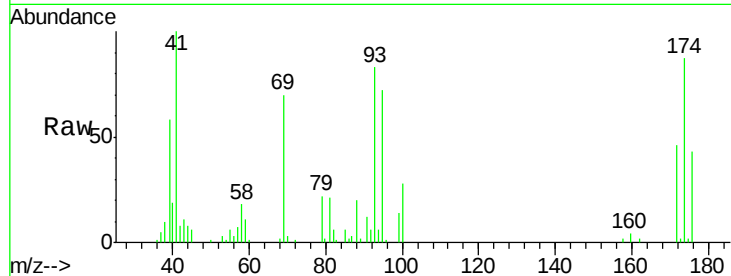
#45
1,4-Dioxane
Concen: 207.503 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.1	34.5	51.7
58	81.8	60.3	90.5

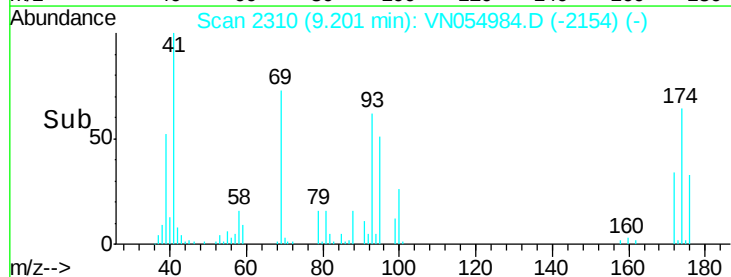
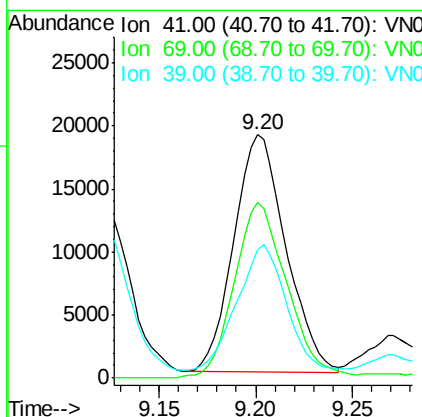
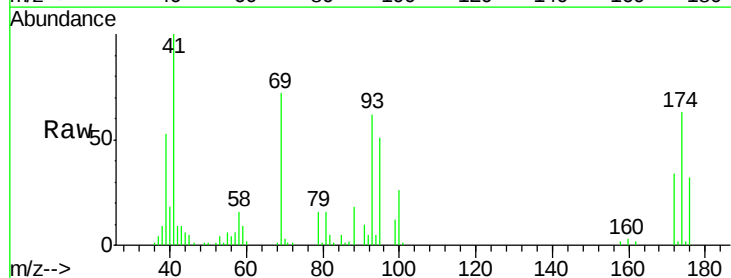
Manual Integrations
APPROVED

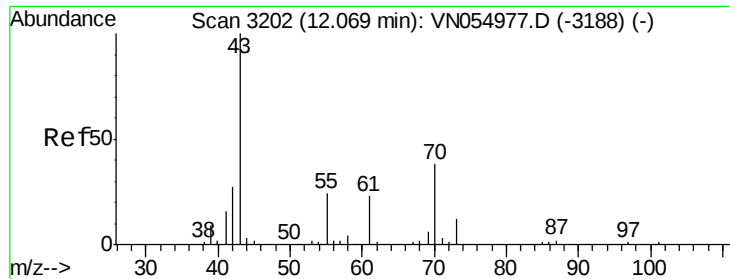
MMDadoda
4/12/2019 1:41:45 PM



#46
Methyl methacrylate
Concen: 9.752 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.1	37.3	111.9
39	50.9	29.4	88.2





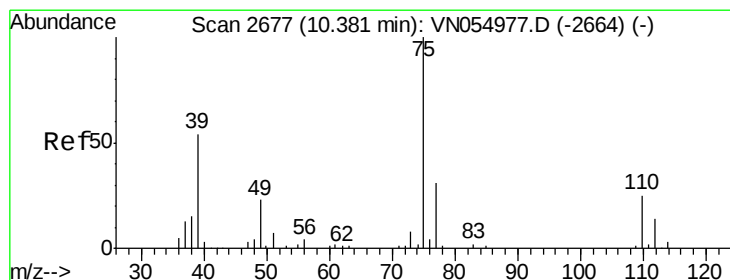
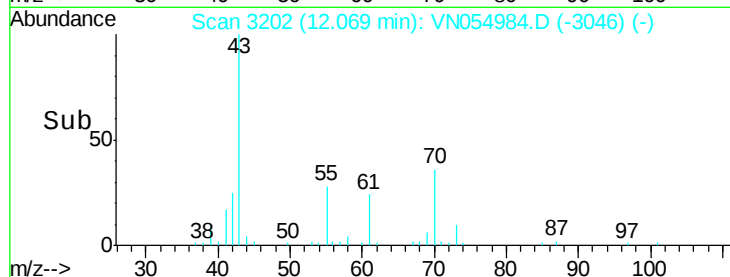
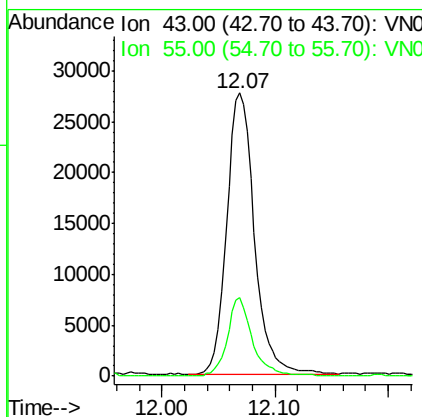
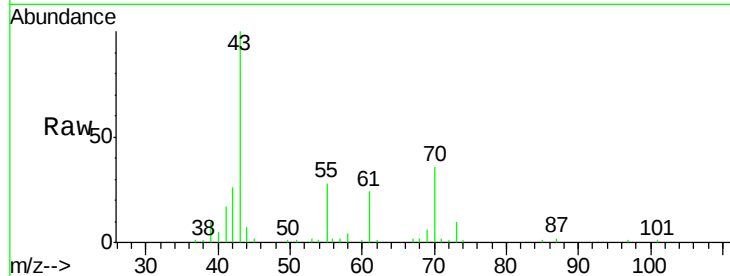
#47
n-amyl Acetate
Concen: 9.201 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion: 43 Resp: 47241
Ion Ratio Lower Upper
43 100
55 24.9 19.8 29.6

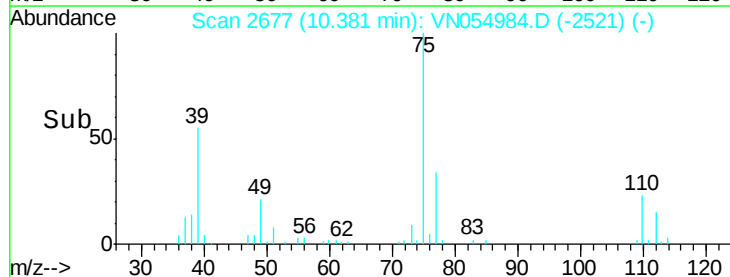
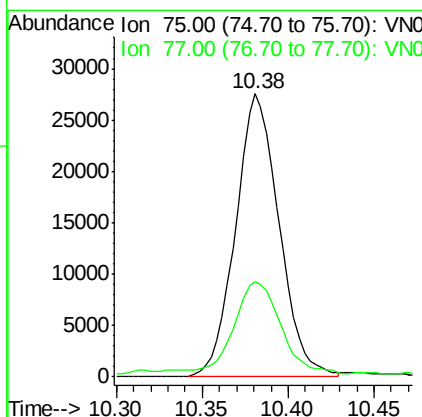
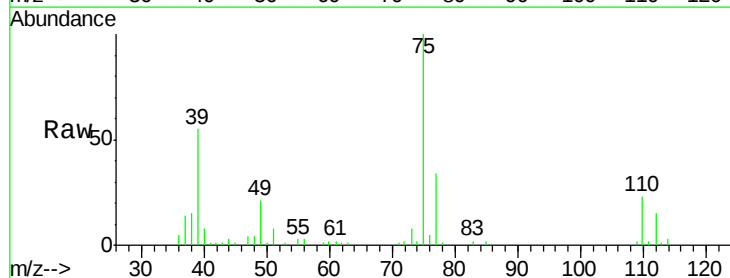
Manual Integrations
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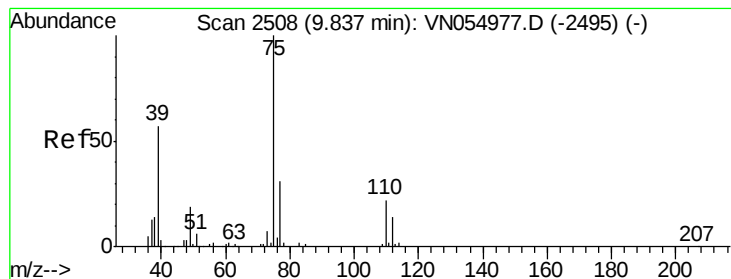
MMDadoda
4/12/2019 1:41:45 PM



#48
t-1,3-Dichloropropene
Concen: 9.078 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion: 75 Resp: 48403
Ion Ratio Lower Upper
75 100
77 32.2 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 9.447 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Instrument :

MSVOA_N

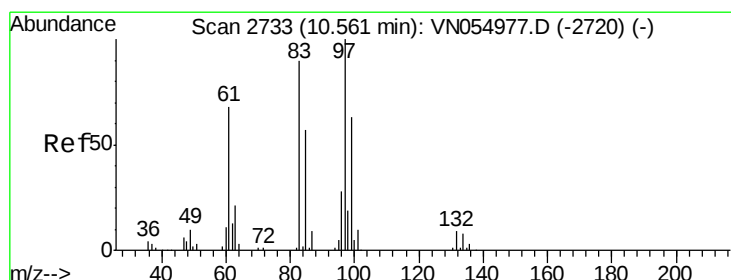
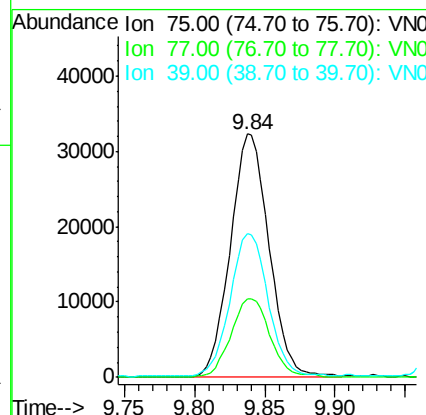
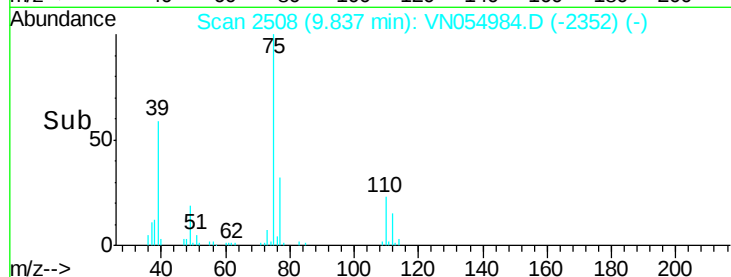
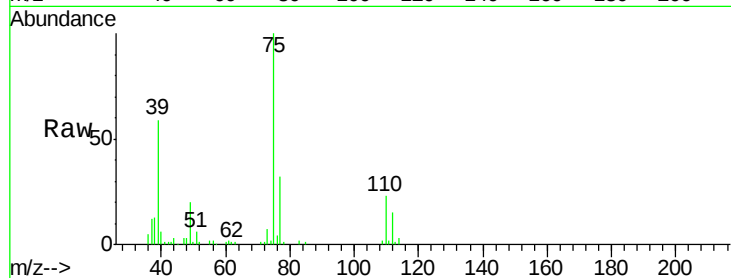
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	75	Resp:	62185
Ion Ratio	Lower	Upper	
75	100		
77	32.3	24.7	37.1
39	58.2	45.3	67.9

Manual Integrations
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4/12/2019 1:41:45 PM



#50

1,1,2-Trichloroethane

Concen: 10.309 ug/l

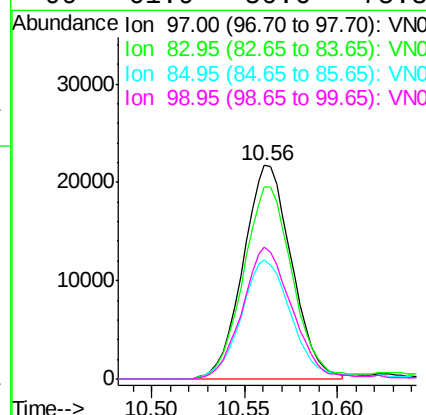
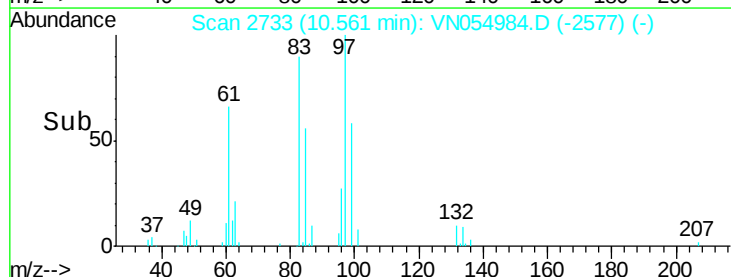
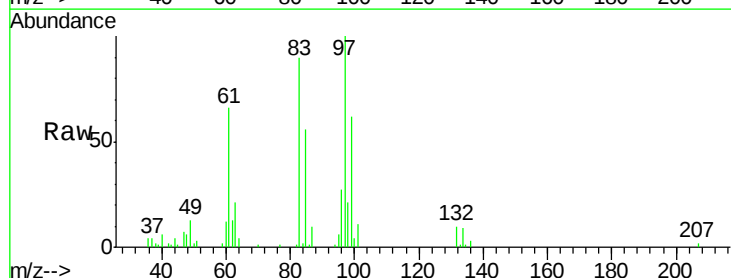
RT: 10.56 min Scan# 2733

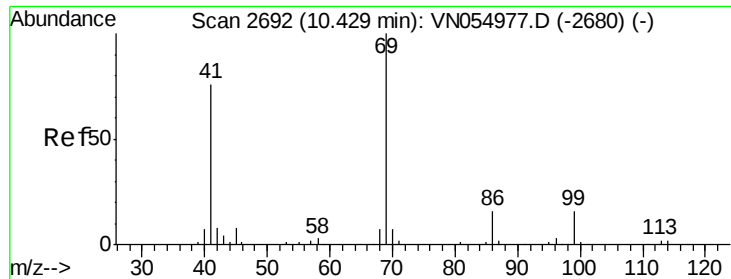
Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Tgt Ion:	97	Resp:	39395
Ion Ratio	Lower	Upper	
97	100		
83	89.8	72.1	108.1
85	55.8	45.4	68.0
99	61.9	50.6	75.8





#51

Ethyl methacrylate

Concen: 10.046 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Instrument :

MSVOA_N

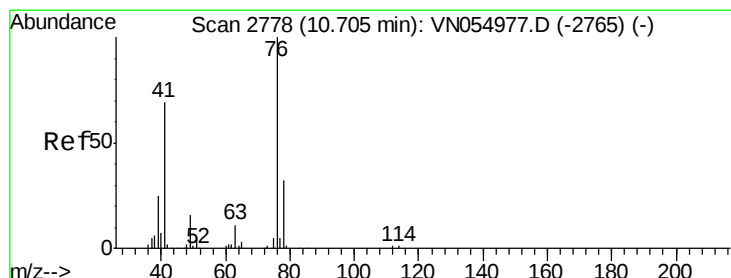
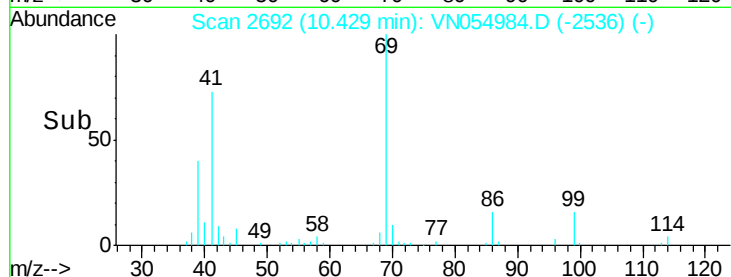
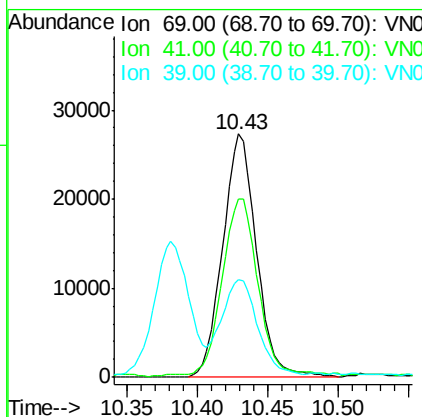
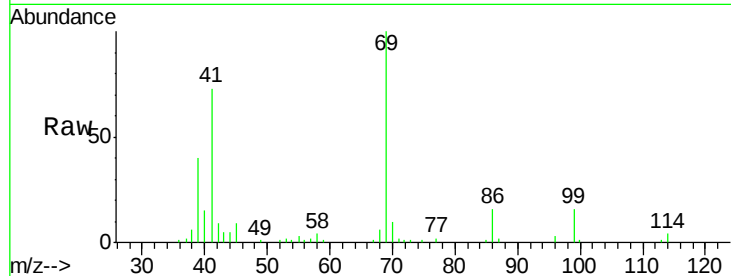
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	69	Resp:	45763
Ion	Ratio	Lower	Upper
69	100		
41	71.8	37.9	113.7
39	38.8	19.8	59.4

Manual Integrations
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4/12/2019 1:41:45 PM



#52

1,3-Dichloropropane

Concen: 10.333 ug/l

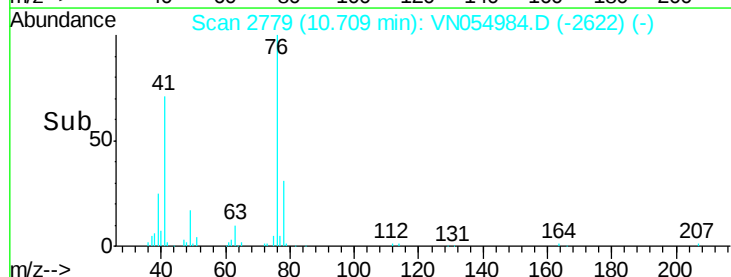
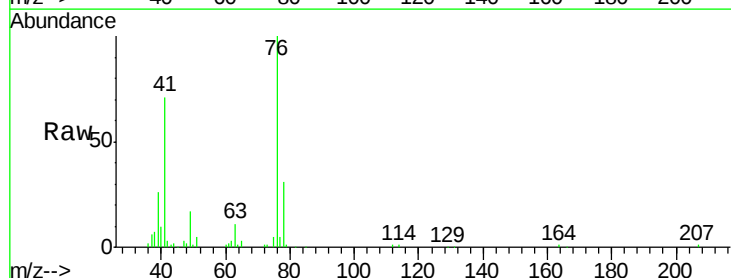
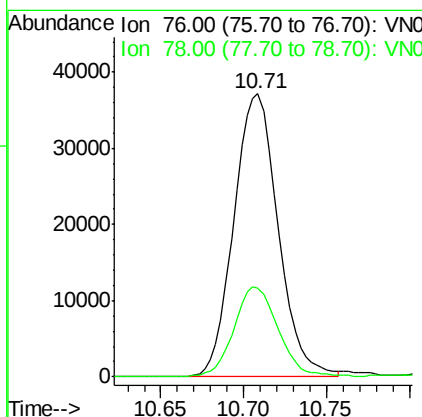
RT: 10.71 min Scan# 2779

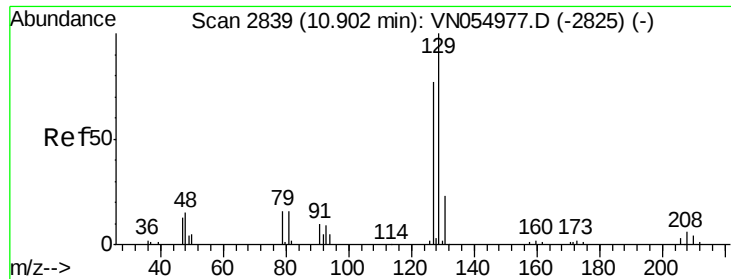
Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Tgt Ion:	76	Resp:	69187
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	64.4





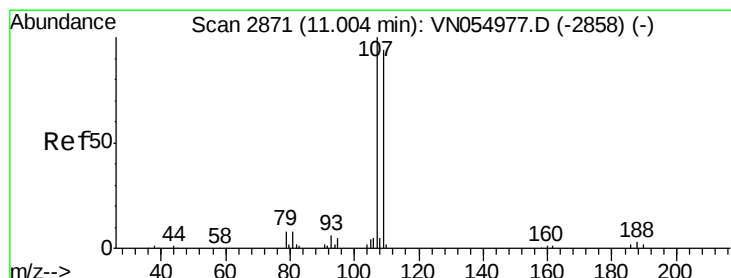
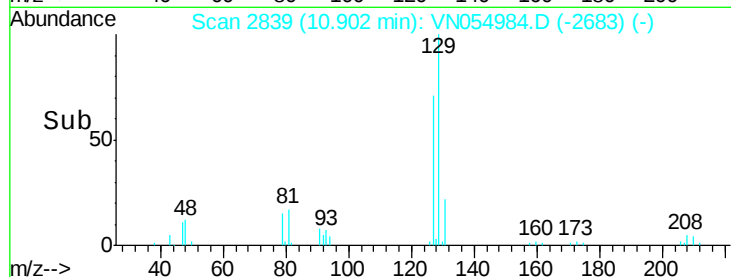
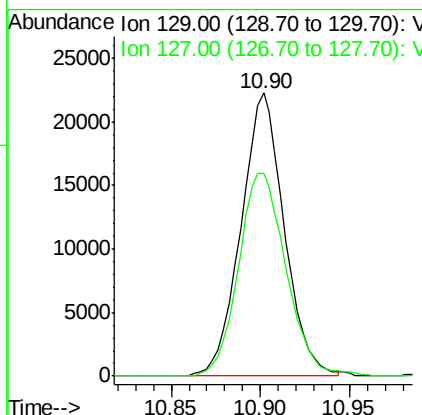
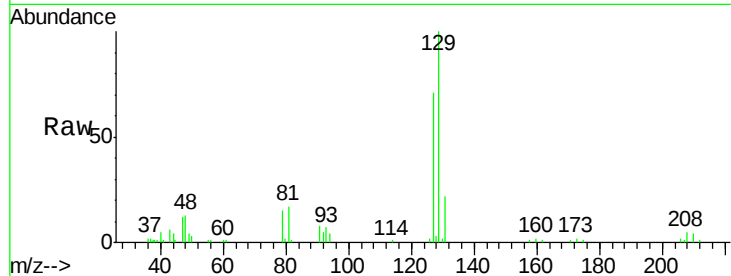
#53
Dibromochloromethane
Concen: 9.576 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion:129 Resp: 37694
Ion Ratio Lower Upper
129 100
127 78.8 37.8 113.3

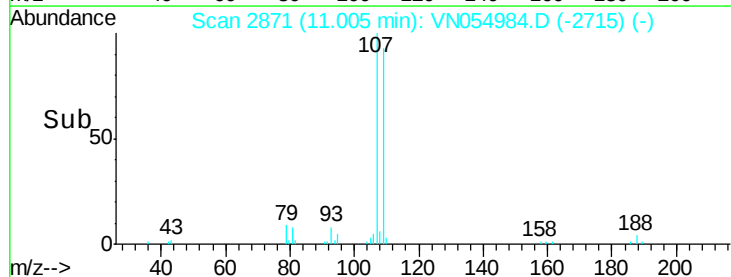
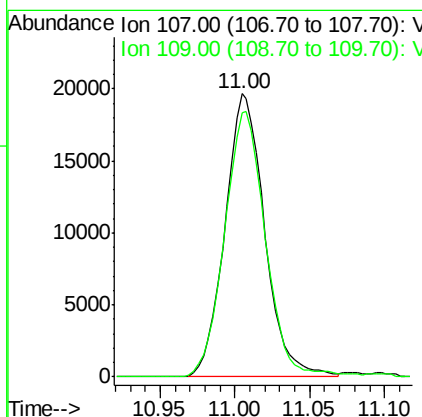
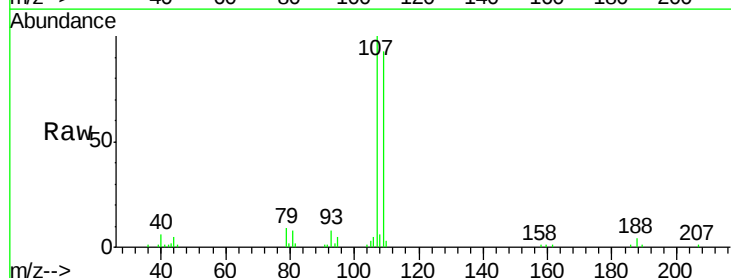
Manual Integrations
APPROVED

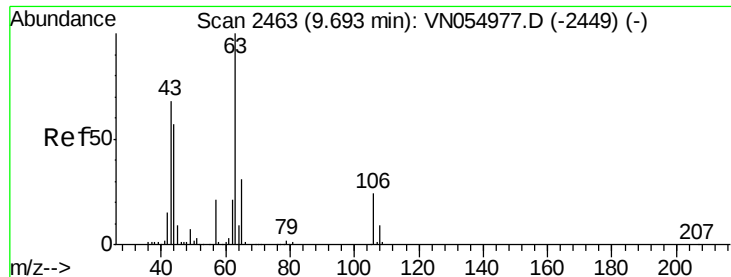
MMDadoda
4/12/2019 1:41:45 PM



#54
1,2-Dibromoethane
Concen: 10.100 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion:107 Resp: 36234
Ion Ratio Lower Upper
107 100
109 96.2 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 42.278 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Instrument :

MSVOA_N

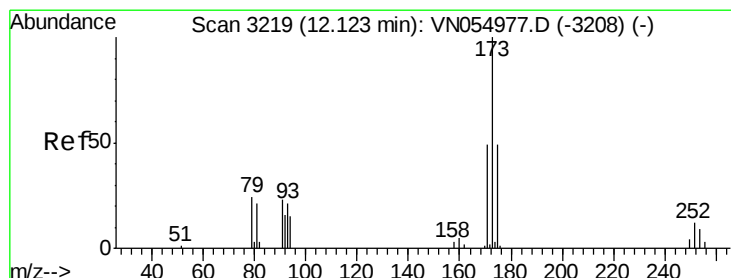
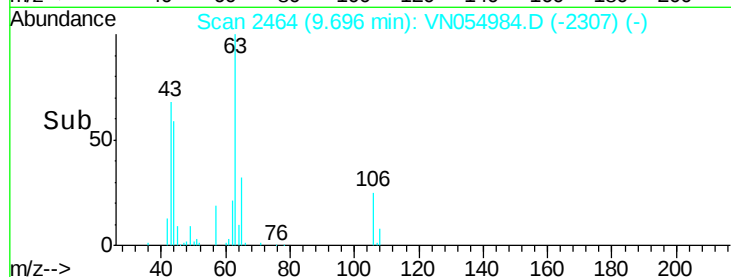
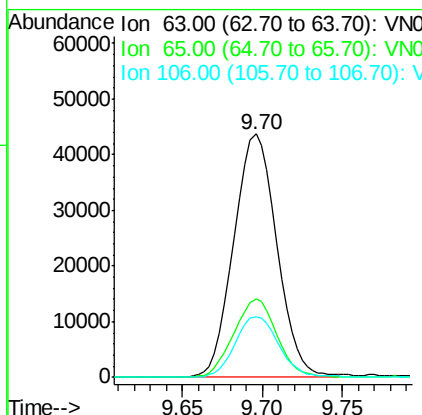
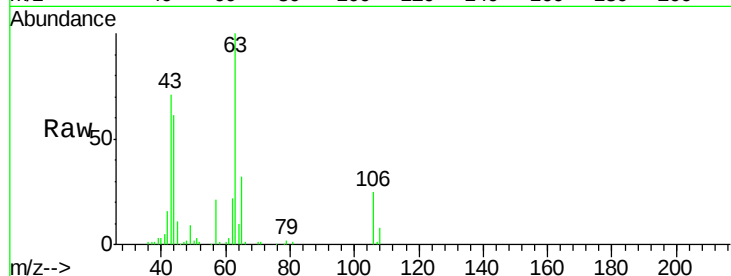
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	63	Resp:	80511
Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.4	38.0
106	25.2	19.8	29.6

Manual Integrations
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4/12/2019 1:41:45 PM



#56

Bromoform

Concen: 8.849 ug/l

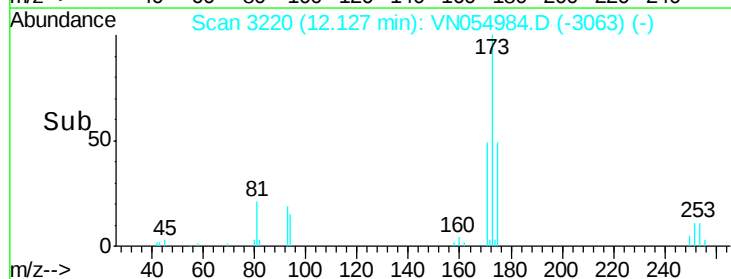
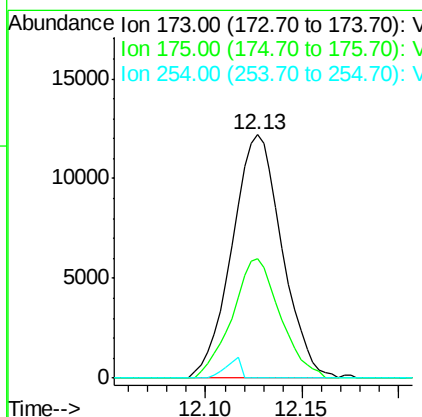
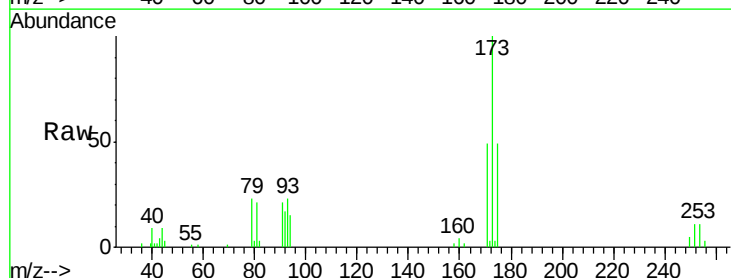
RT: 12.13 min Scan# 3220

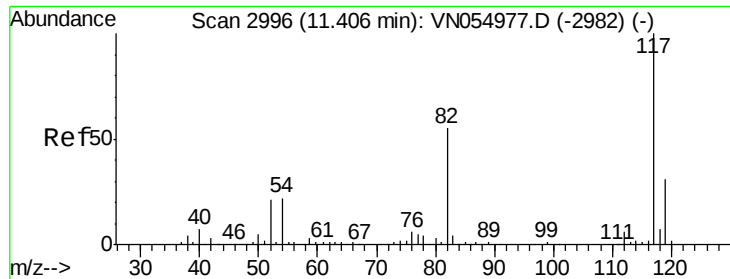
Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Tgt Ion:	173	Resp:	21887
Ion	Ratio	Lower	Upper
173	100		
175	47.1	38.6	57.8
254	2.6	6.8	10.2#





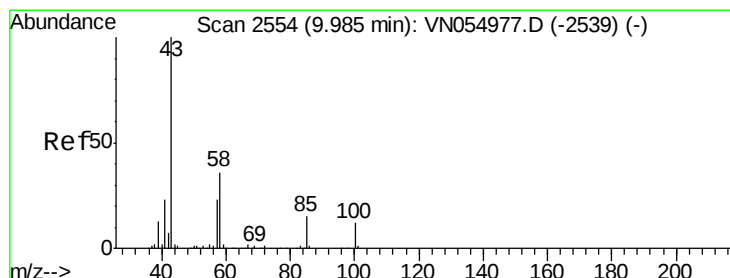
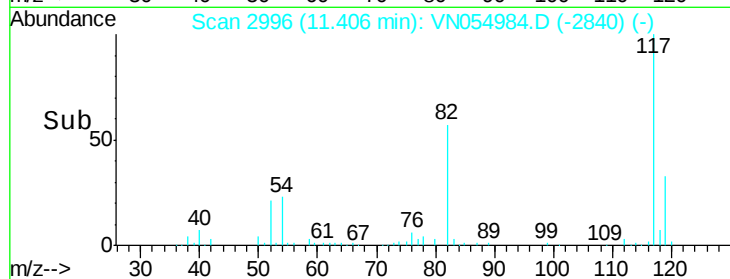
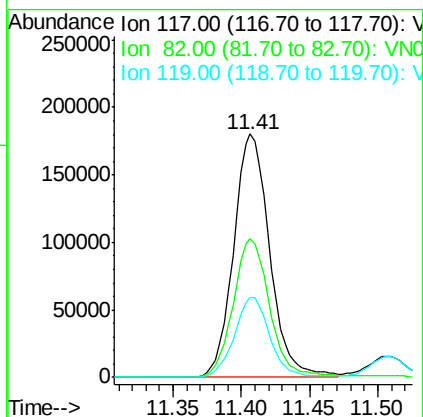
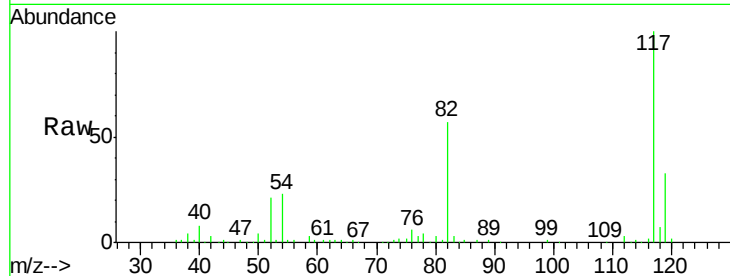
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.2	67.8
119	32.2	25.4	38.2

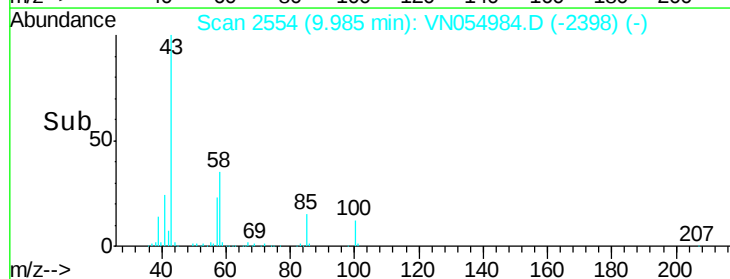
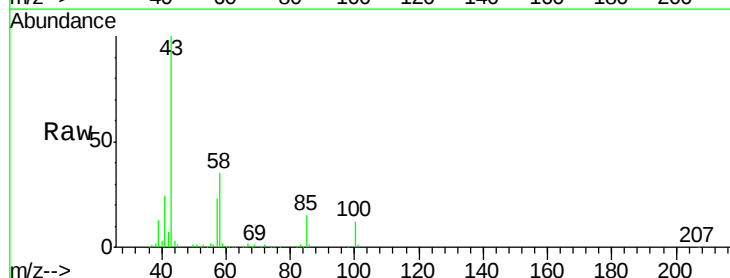
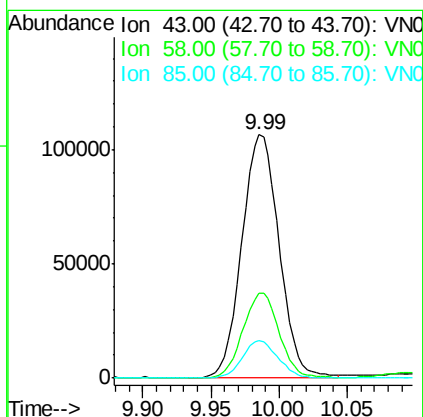
Manual Integrations
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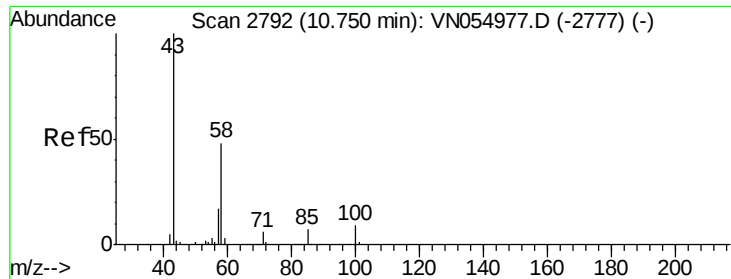
MMDadoda
4/12/2019 1:41:45 PM



#58
4-Methyl-2-Pentanone
Concen: 52.716 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.7	43.1
85	14.9	11.8	17.6





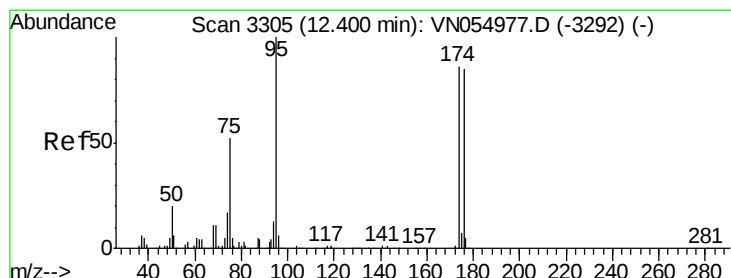
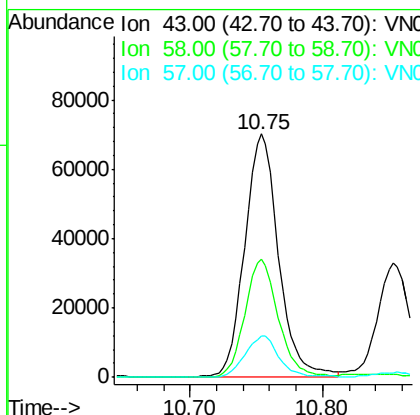
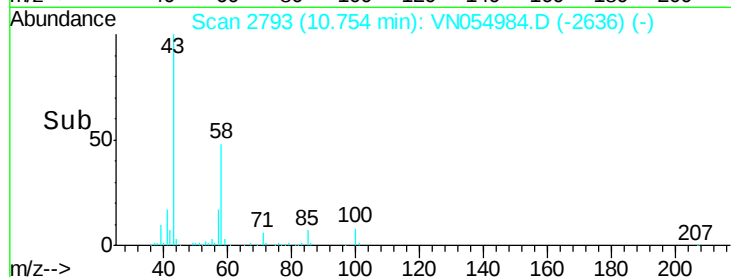
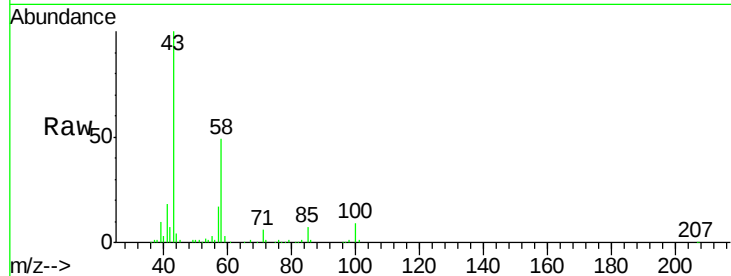
#59
2-Hexanone
Concen: 50.887 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.3	38.8	58.2
57	16.9	13.8	20.6

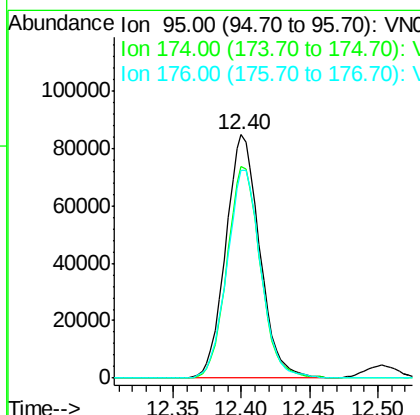
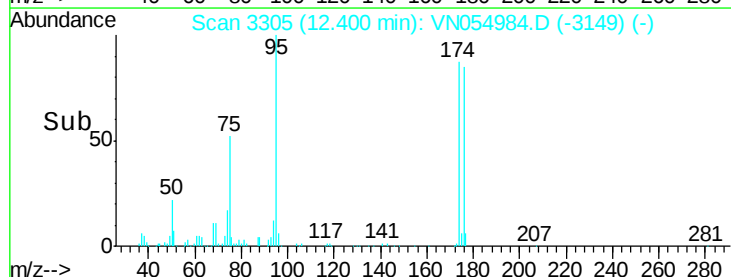
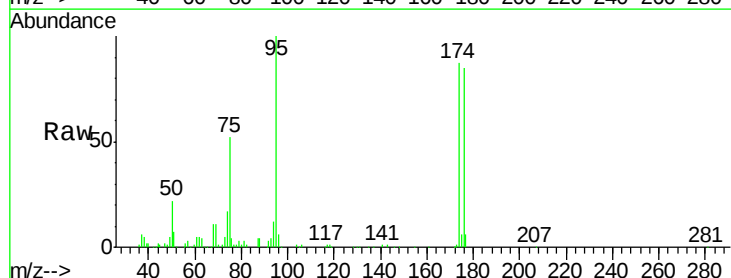
Manual Integrations
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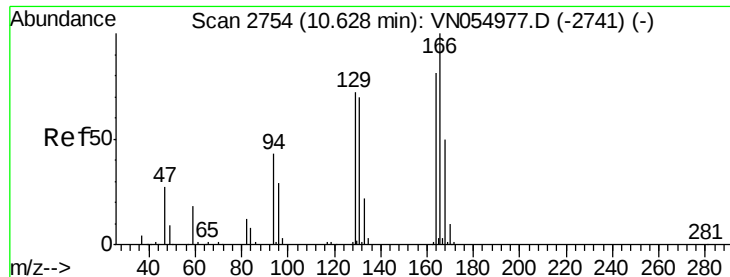
MMDadoda
4/12/2019 1:41:45 PM



#60
4-Bromofluorobenzene
Concen: 50.887 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.1	69.4	104.2
176	84.9	67.4	101.2





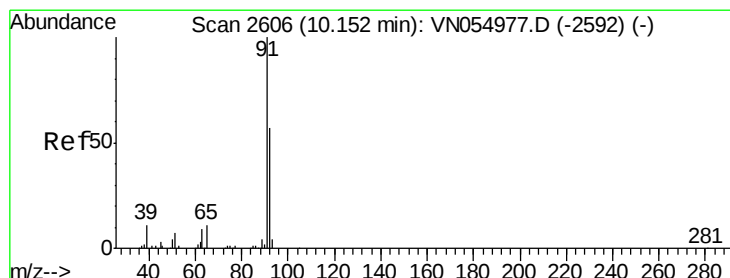
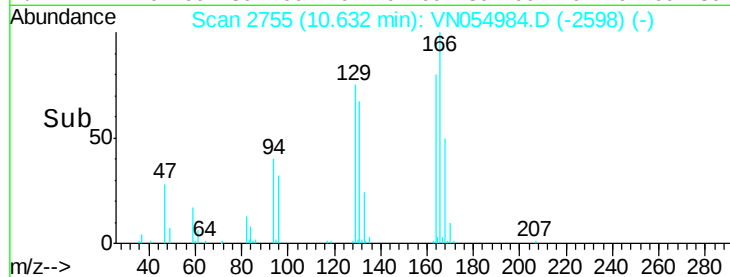
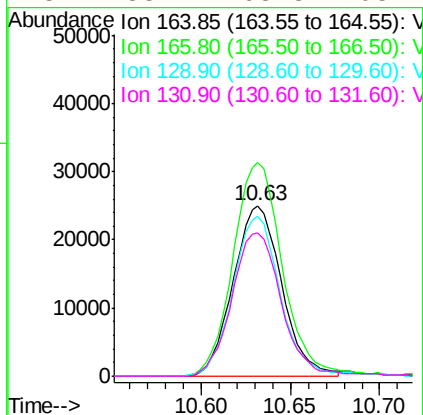
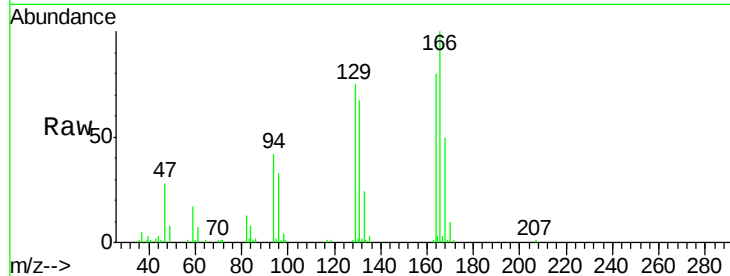
#61
Tetrachloroethene
Concen: 10.996 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.5	99.0	148.4
129	92.9	71.4	107.0
131	83.7	68.8	103.2

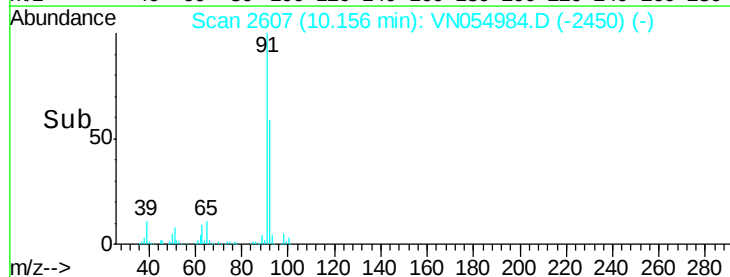
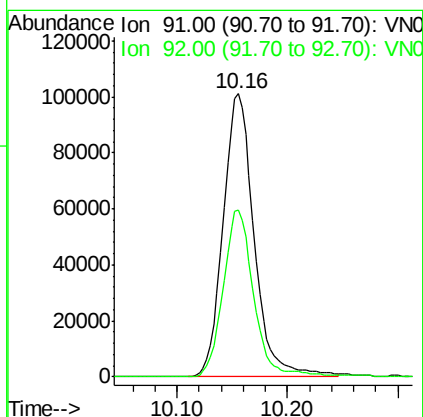
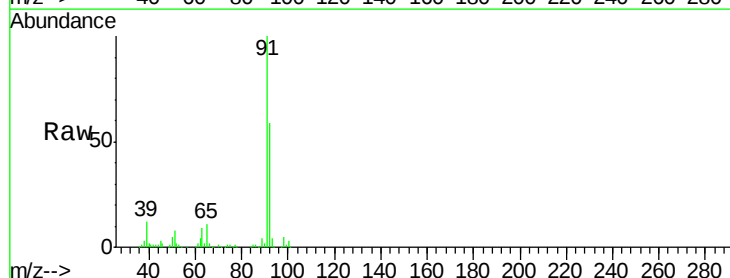
Manual Integrations
APPROVED

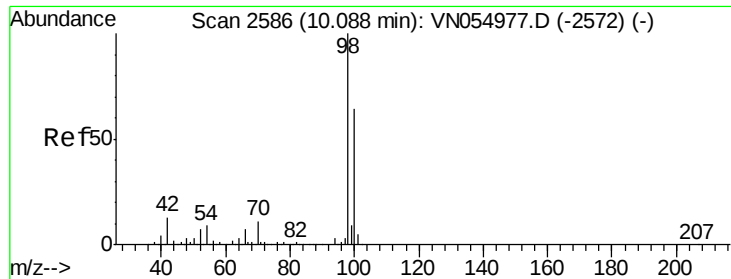
MMDadoda
4/12/2019 1:41:45 PM



#62
Toluene
Concen: 10.843 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.3	44.8	67.2





#63

Toluene-d8

Concen: 10.843 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 98 Resp: 486405

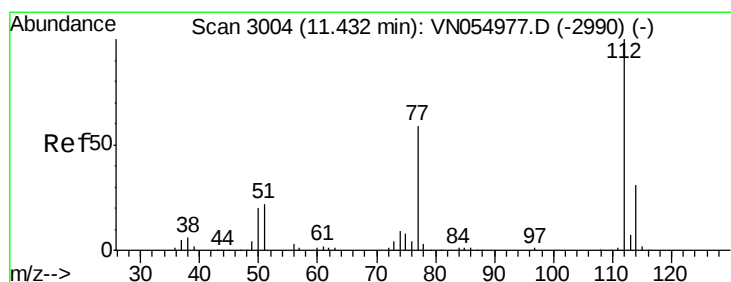
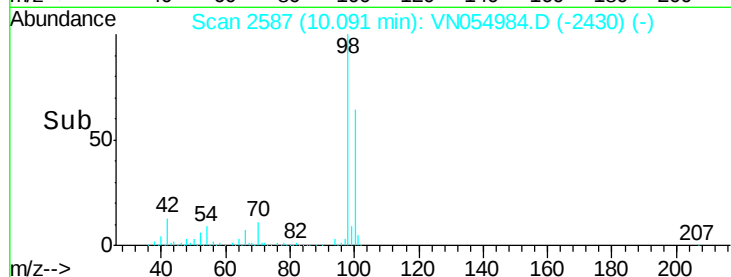
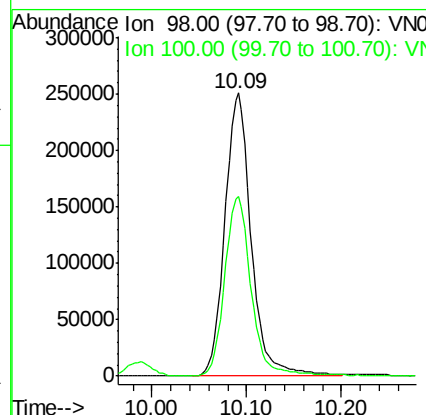
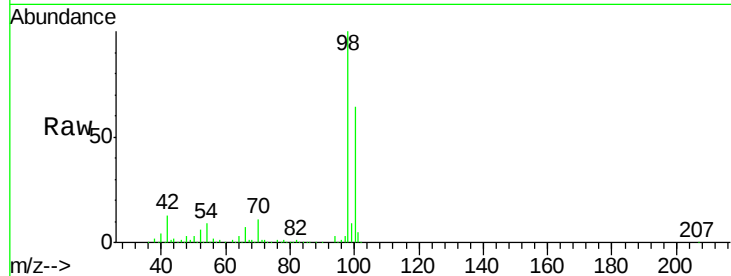
Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7

Manual Integrations
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#64

Chlorobenzene

Concen: 10.062 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054984.D

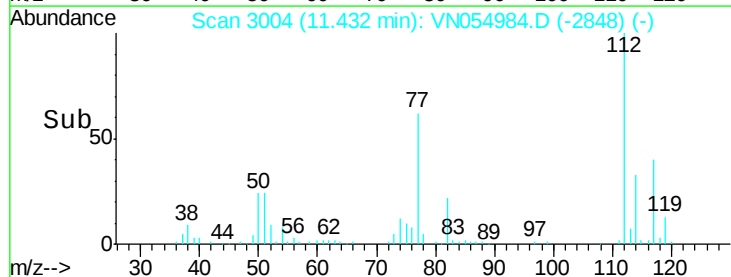
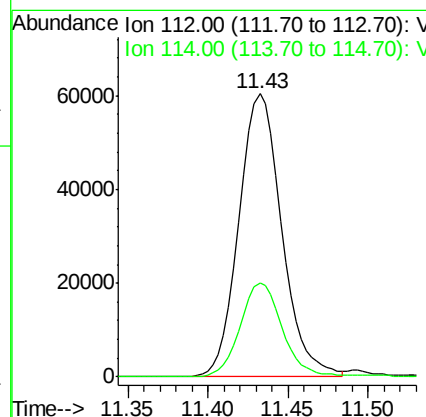
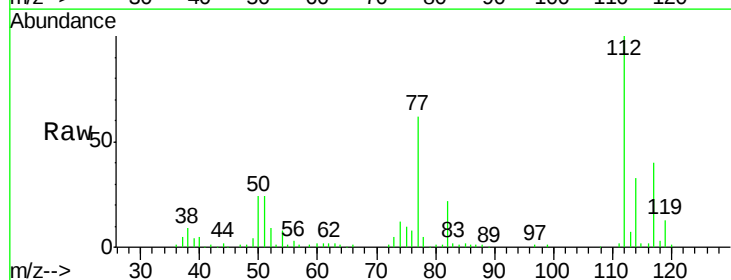
Acq: 11 Apr 2019 18:30

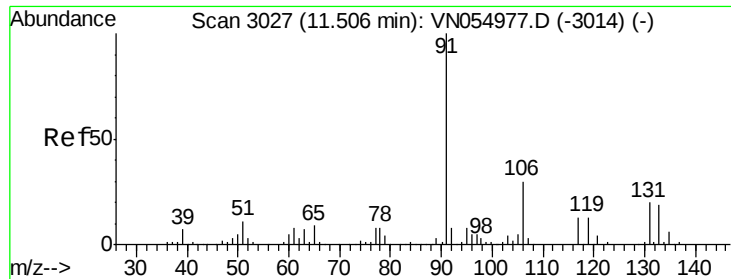
Tgt Ion: 112 Resp: 110652

Ion Ratio Lower Upper

112 100

114 33.2 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 10.561 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Instrument :

MSVOA_N

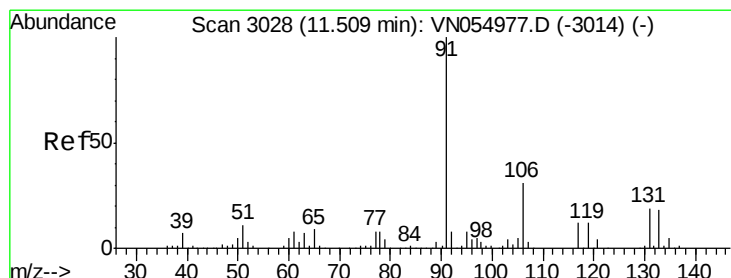
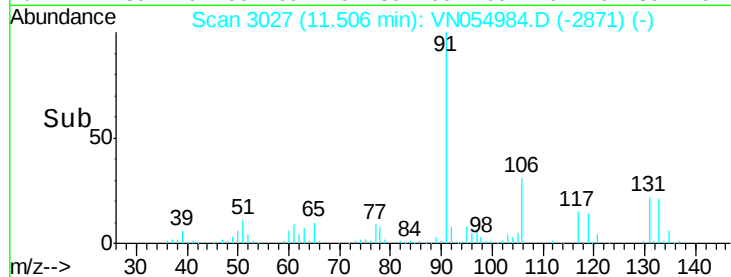
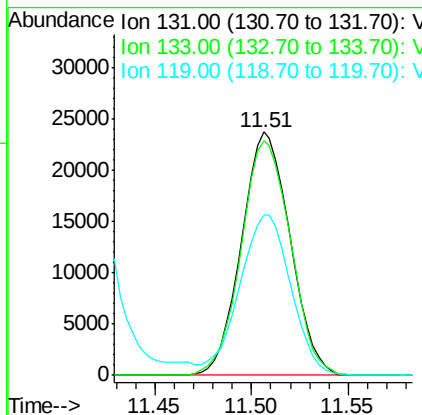
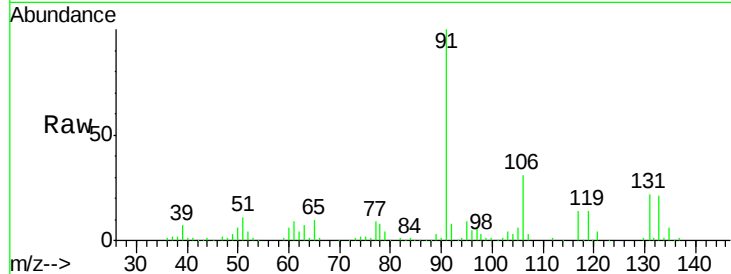
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:131 Resp: 41306
 Ion Ratio Lower Upper
 131 100
 133 98.0 0.0 187.8
 119 70.1 0.0 131.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 10.371 ug/l

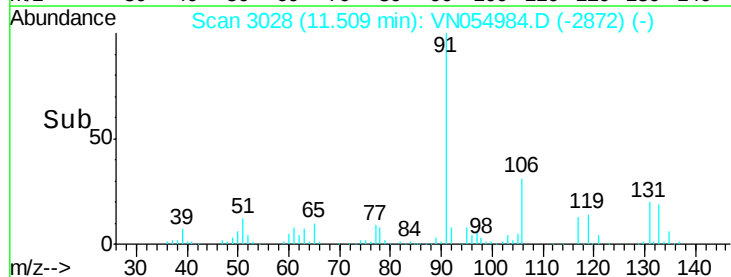
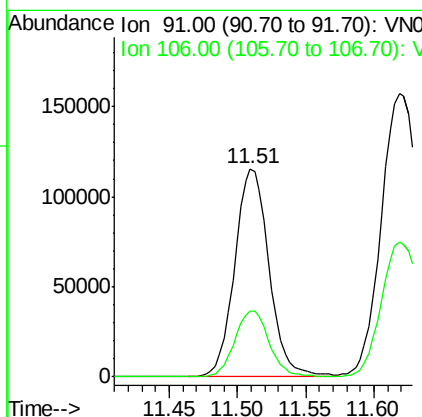
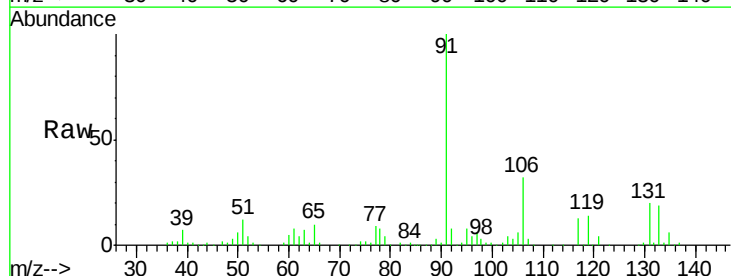
RT: 11.51 min Scan# 3028

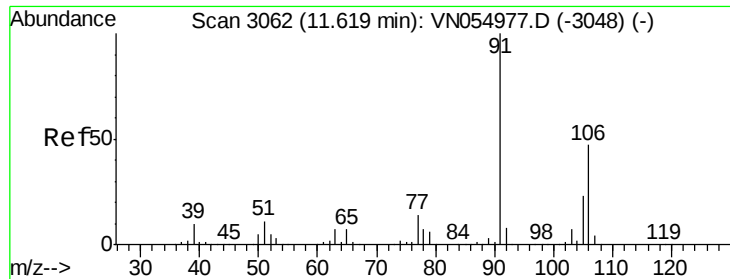
Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Tgt Ion: 91 Resp: 202526
 Ion Ratio Lower Upper
 91 100
 106 31.8 24.6 36.8





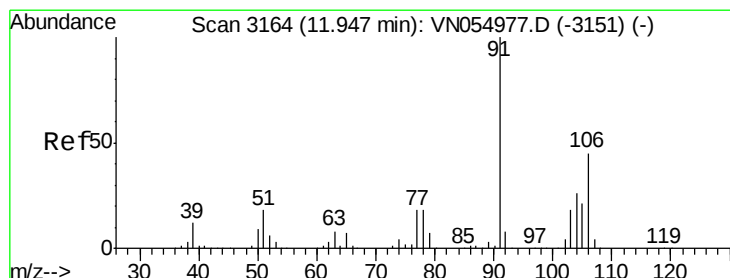
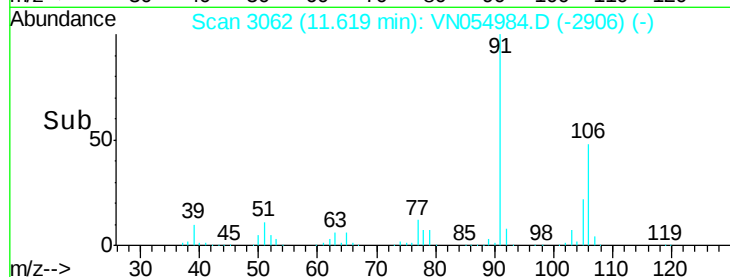
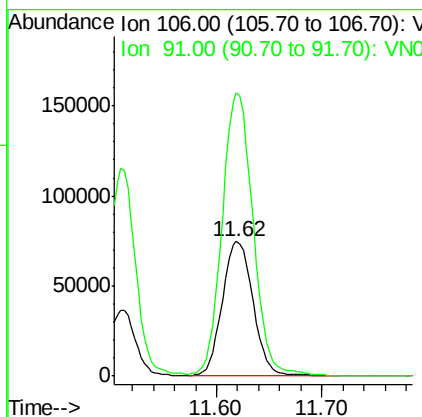
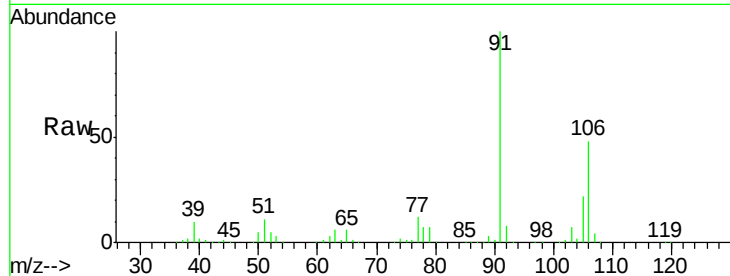
#67
m/p-Xvlenes
Concen: 20.935 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion:106 Resp: 151954
Ion Ratio Lower Upper
106 100
91 207.3 167.4 251.2

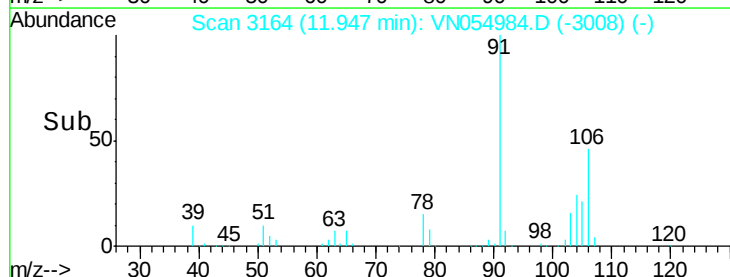
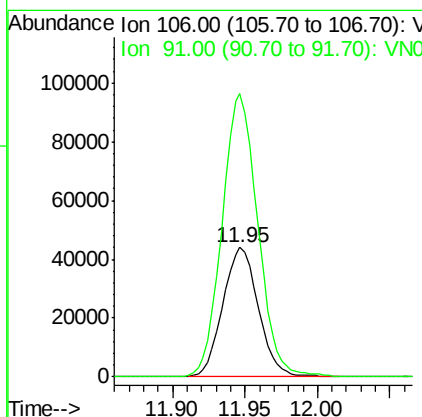
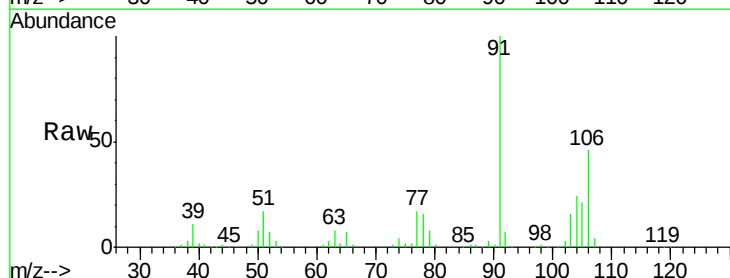
Manual Integrations
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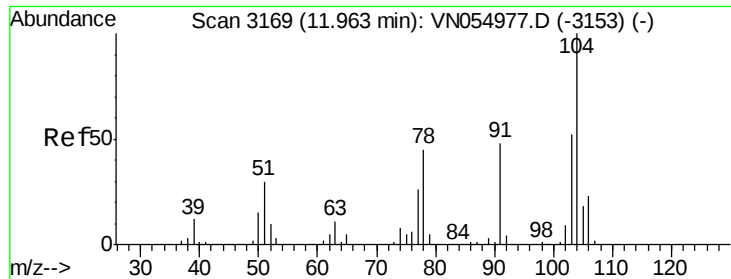
MMDadoda
4/12/2019 1:41:45 PM



#68
o-Xylene
Concen: 10.472 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion:106 Resp: 75114
Ion Ratio Lower Upper
106 100
91 219.1 110.3 330.8





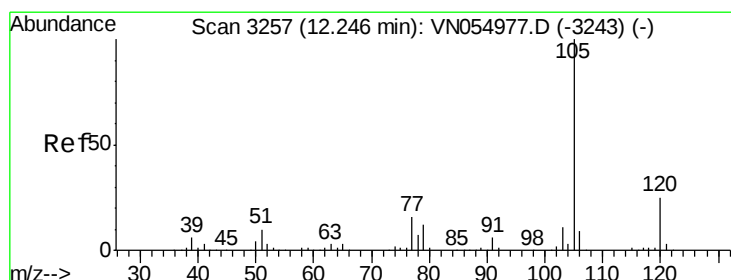
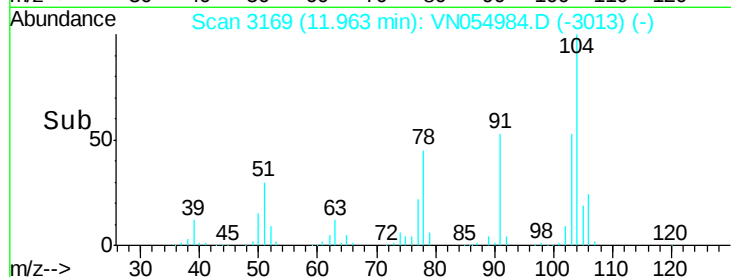
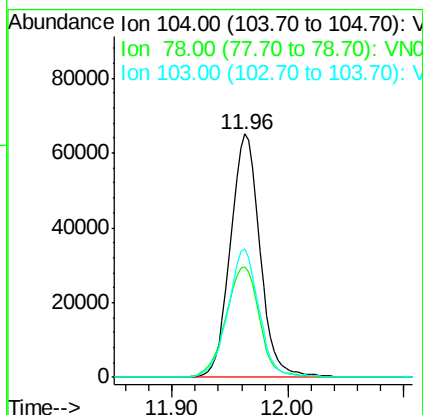
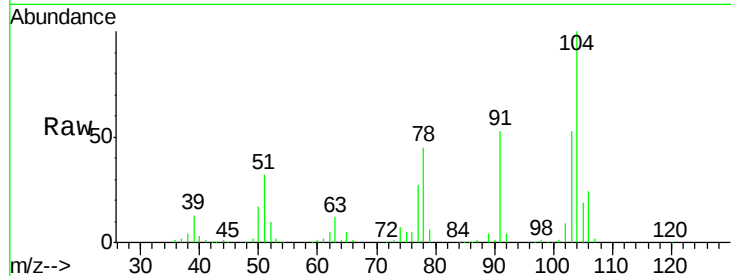
#69
Stvrene
Concen: 10.283 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.2	61.8
103	55.1	44.6	67.0

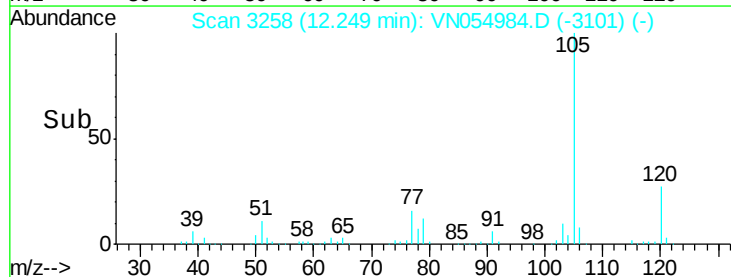
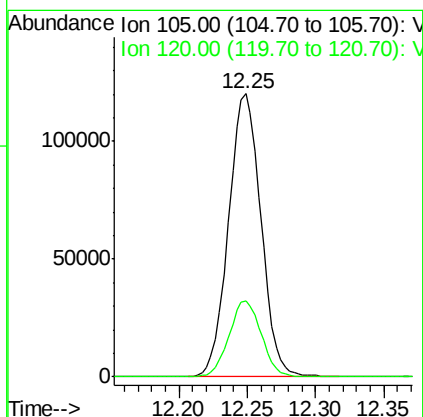
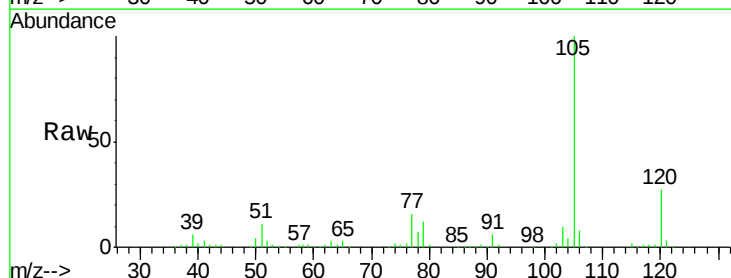
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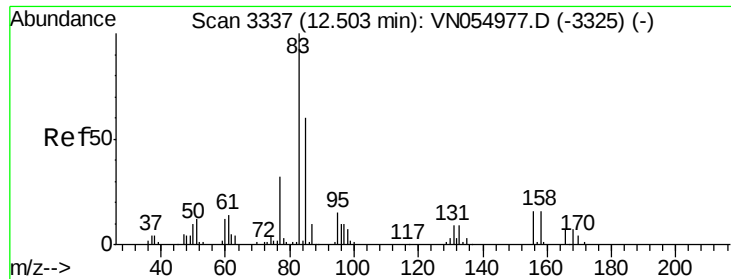
MMDadoda
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#70
Isopropylbenzene
Concen: 10.345 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.3	33.9





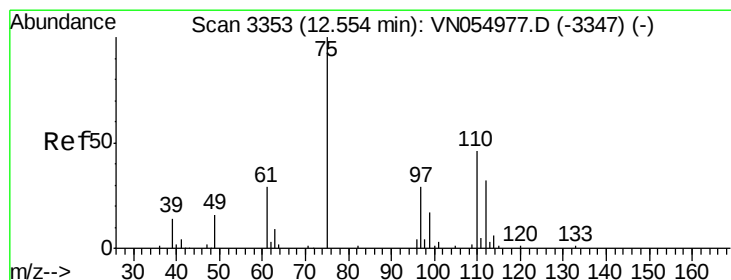
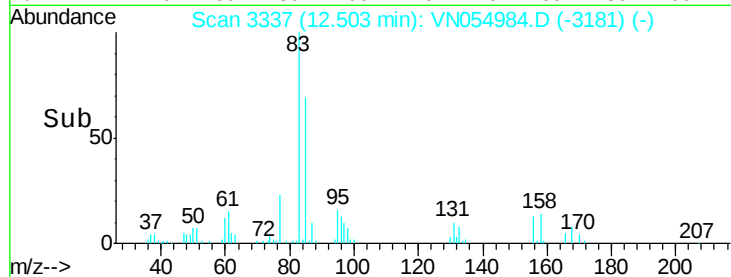
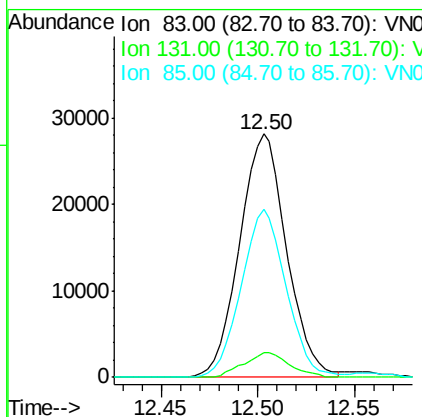
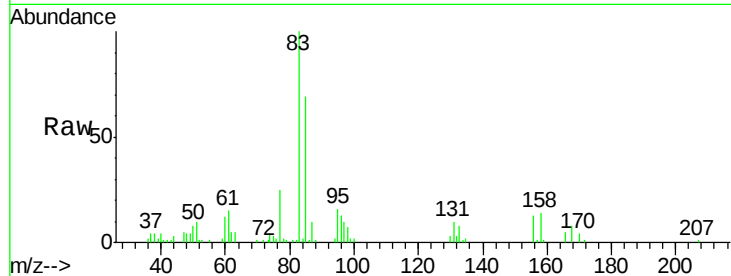
#71
 1,1,2,2-Tetrachloroethane
 Concen: 10.864 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

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

Tot Ion	83	Resp	47654
Ion Ratio	100	Lower	Upper
83	100		
131	9.9	4.6	13.8
85	65.9	30.9	92.5

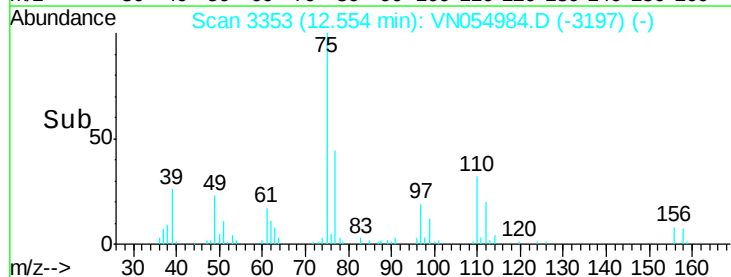
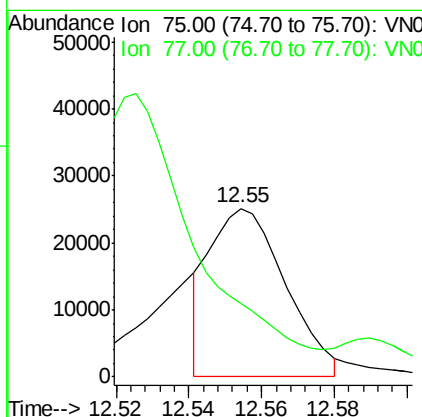
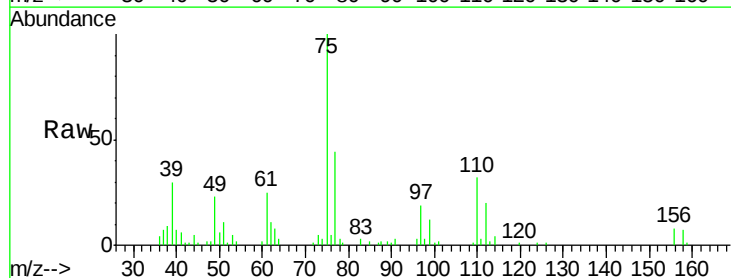
Manual Integrations
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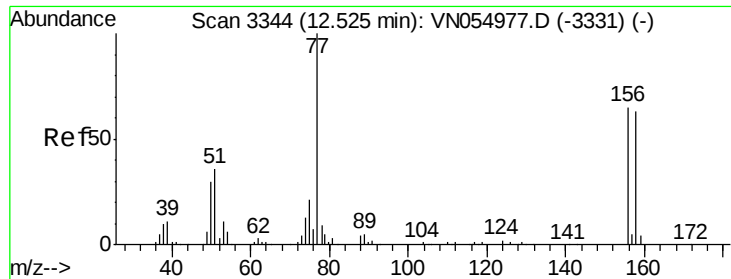
MMDadoda
 4/12/2019 1:41:45 PM



#72
 1,2,3-Trichloropropane
 Concen: 10.011 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

Tgt Ion	75	Resp	36265
Ion Ratio	100	Lower	Upper
75	100		
77	249.6	0.0	466.6





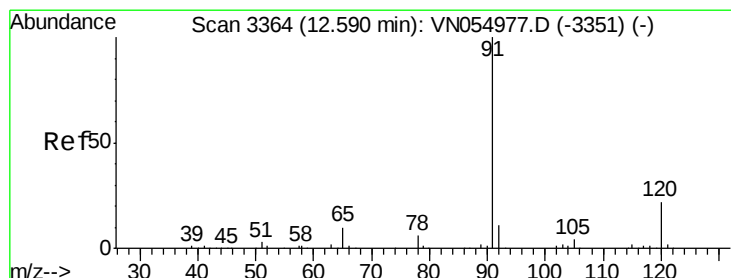
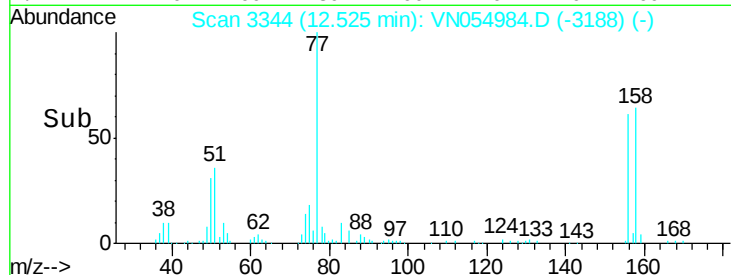
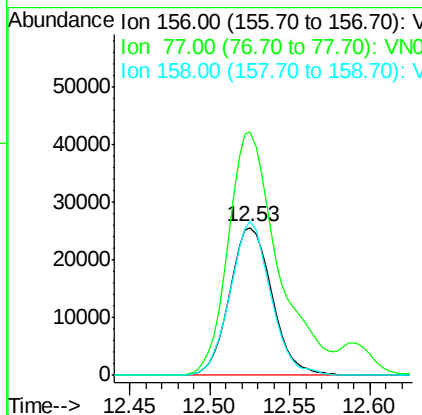
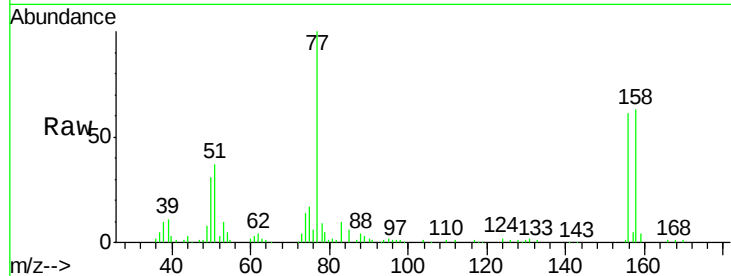
#73
Bromobenzene
Concen: 10.233 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion:156 Resp: 46388
Ion Ratio Lower Upper
156 100
77 195.1 0.0 383.2
158 98.8 0.0 193.8

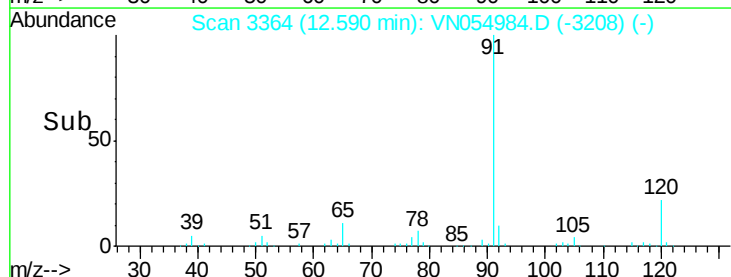
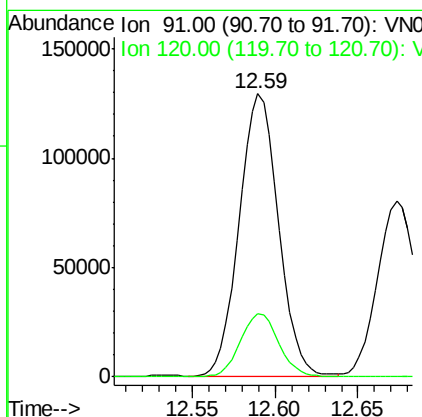
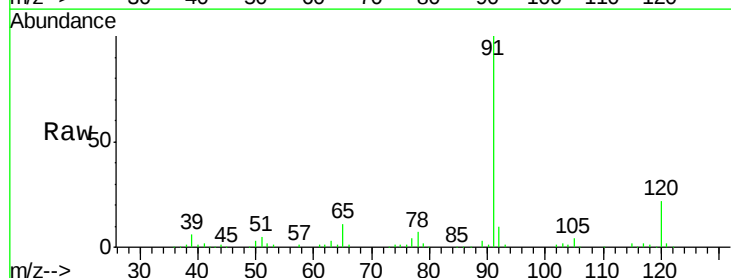
Manual Integrations
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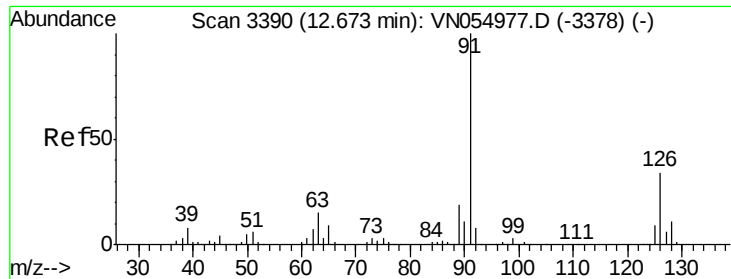
MMDadoda
4/12/2019 1:41:45 PM



#74
n-propylbenzene
Concen: 9.925 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion: 91 Resp: 213093
Ion Ratio Lower Upper
91 100
120 21.9 0.0 44.4





#75

2-Chlorotoluene

Concen: 10.417 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054984.D

Acq: 11 Apr 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 91 Resp: 134891

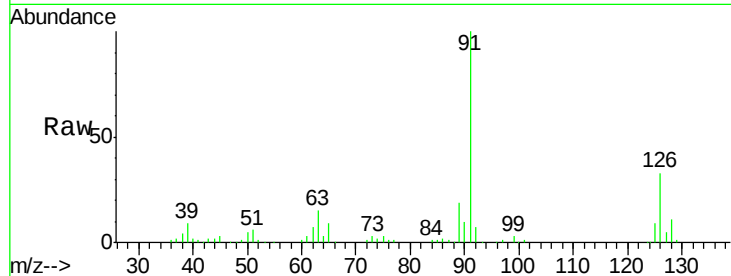
Ion Ratio Lower Upper

91 100

126 33.9 0.0 67.4

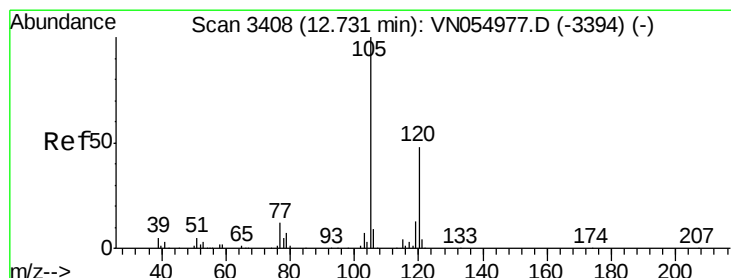
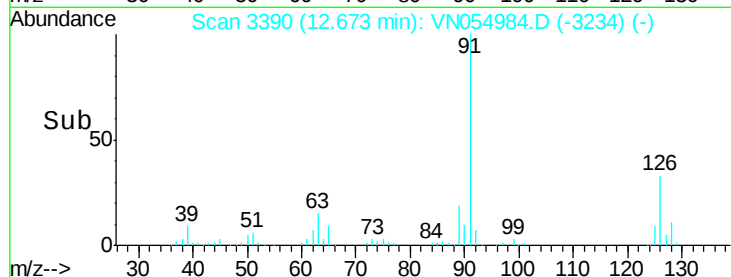
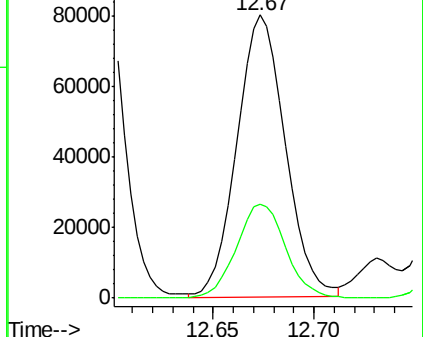
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN054977.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 10.551 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054984.D

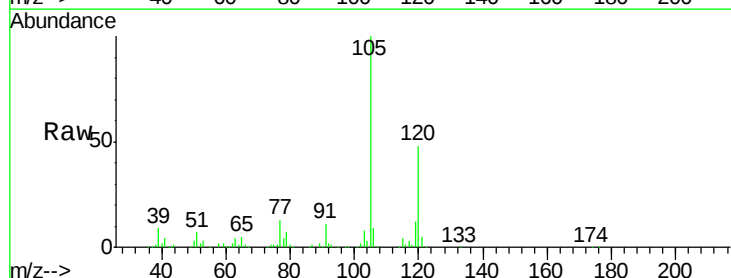
Acq: 11 Apr 2019 18:30

Tgt Ion: 105 Resp: 163588

Ion Ratio Lower Upper

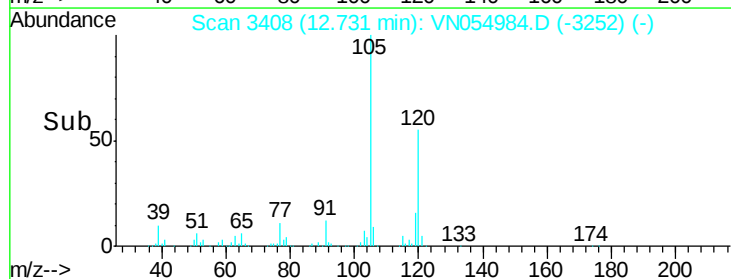
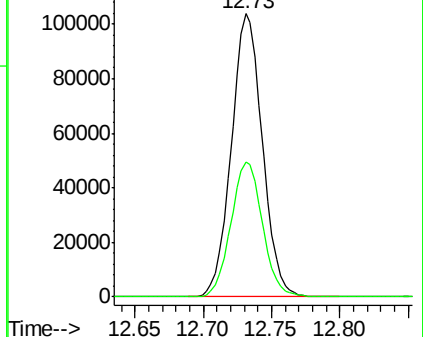
105 100

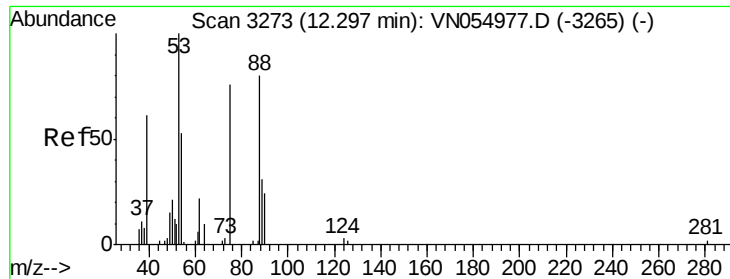
120 48.5 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN054977.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054977.D (-3394) (-)





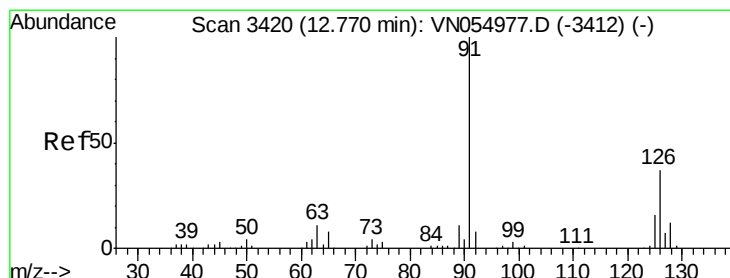
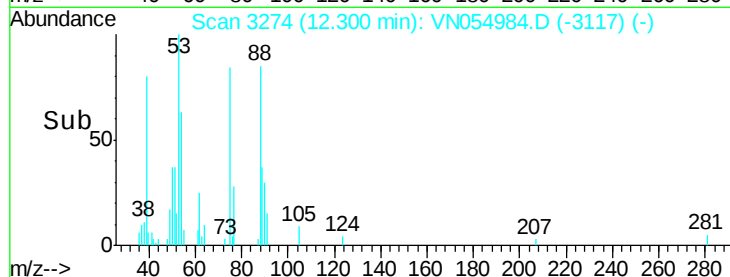
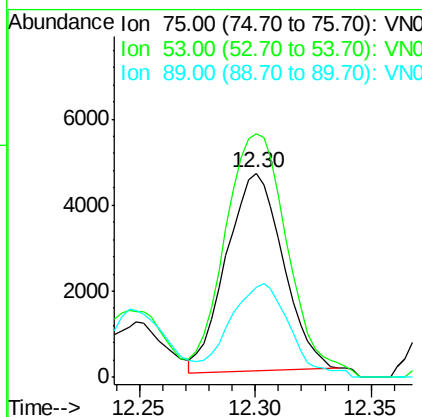
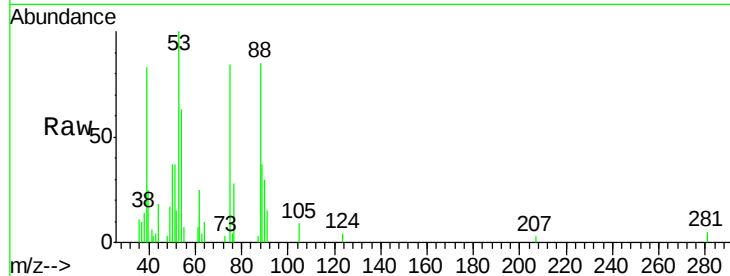
#77
t-1,4-Dichloro-2-butene
Concen: 8.619 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.2	64.3	192.7
89	42.7	21.6	65.0

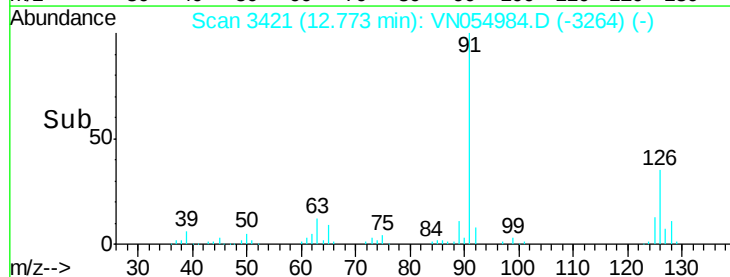
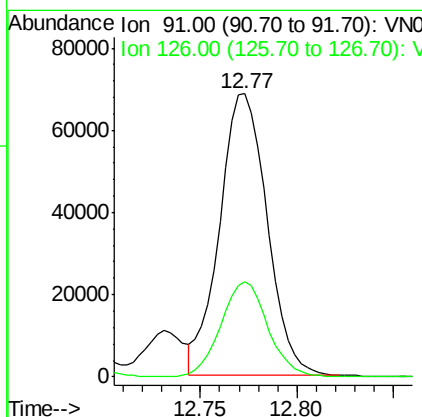
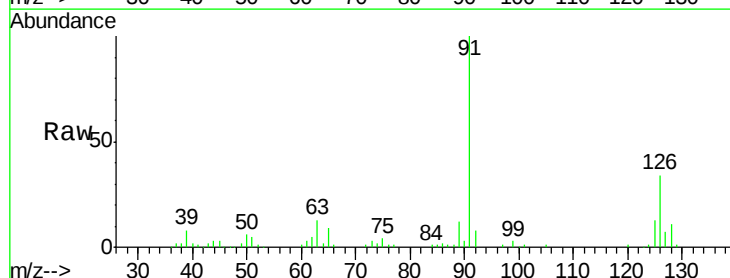
Manual Integrations
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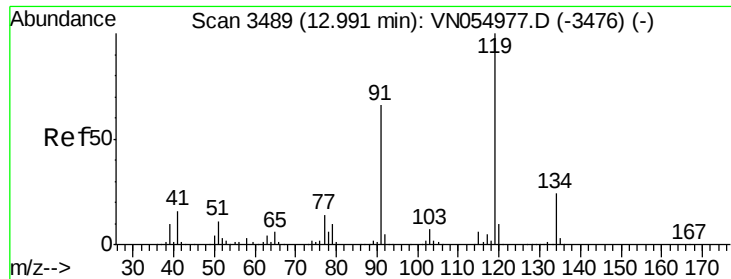
MMDadoda
4/12/2019 1:41:45 PM



#78
4-Chlorotoluene
Concen: 9.461 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	0.0	66.6





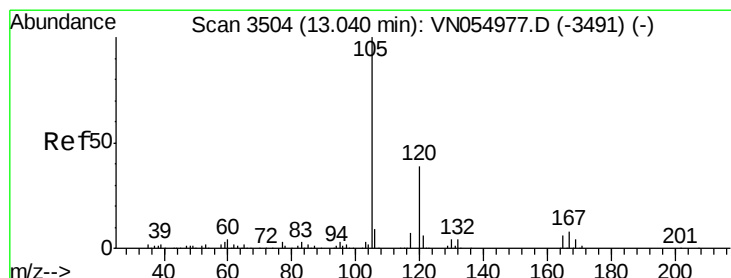
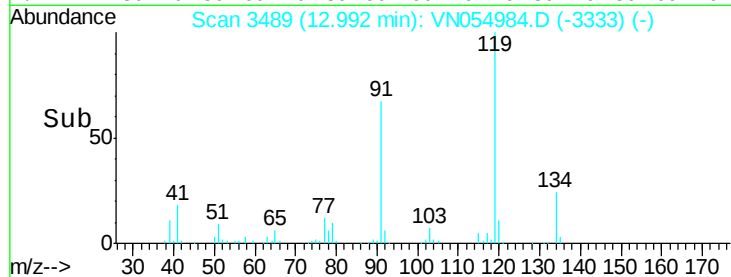
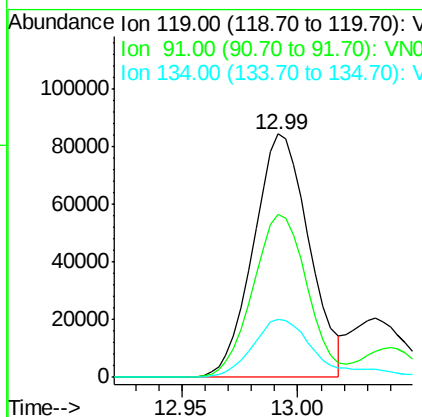
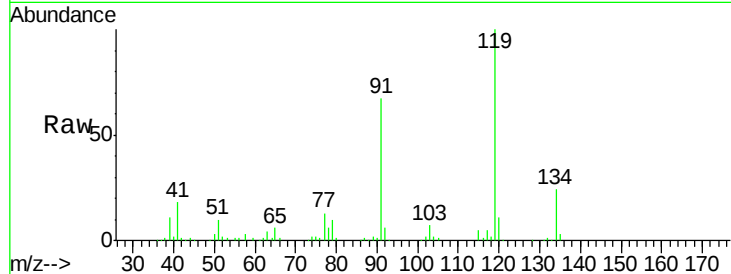
#79
tert-butylbenzene
Concen: 10.492 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	140758		
91	65.9	0.0	132.6	
134	25.6	0.0	47.6	

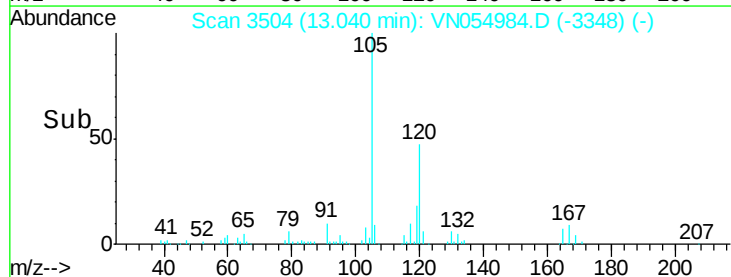
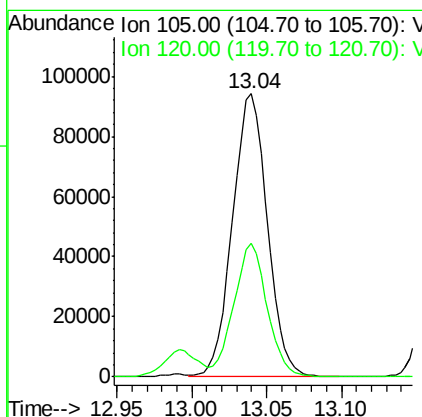
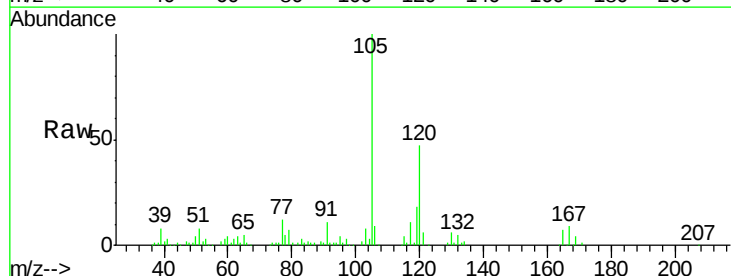
Manual Integrations
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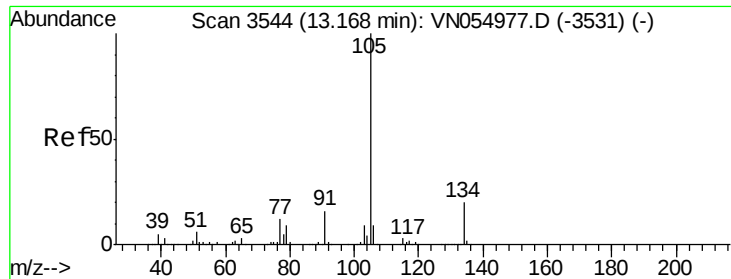
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4/12/2019 1:41:45 PM



#80
1,2,4-Trimethylbenzene
Concen: 10.071 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	153395		
120	45.1	0.0	91.4	





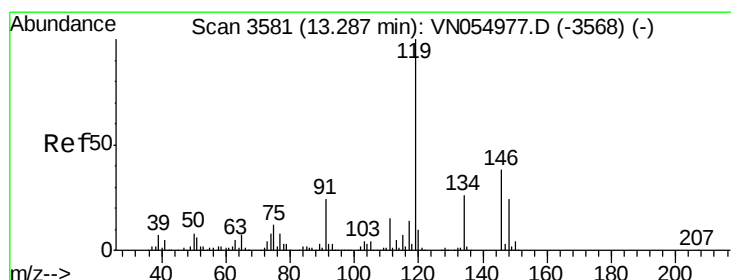
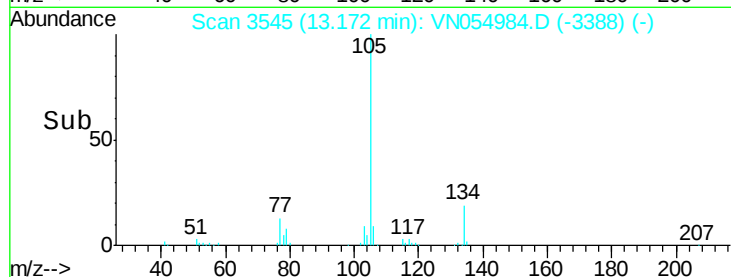
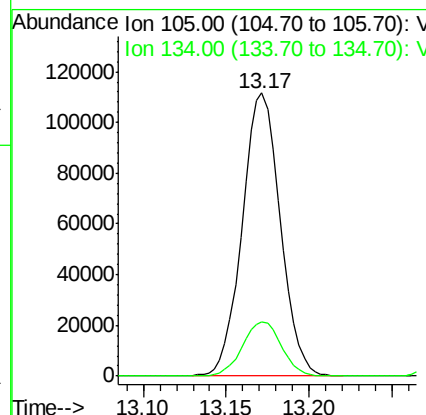
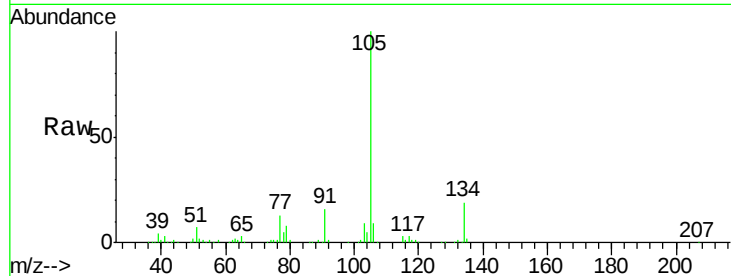
#81
 sec-Butylbenzene
 Concen: 9.977 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	40.0

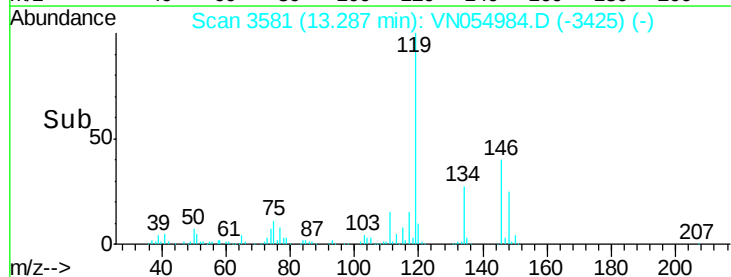
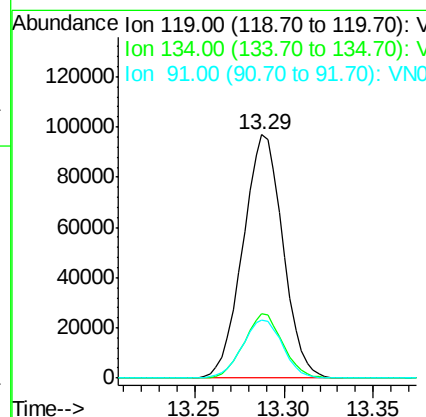
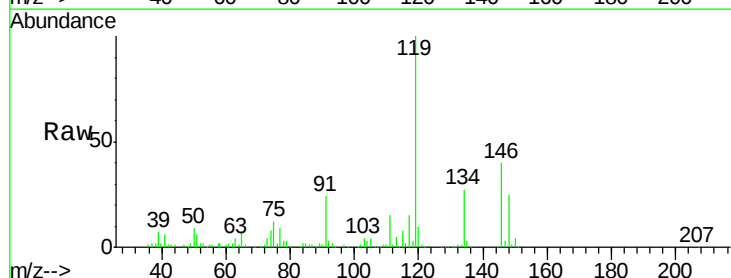
Manual Integrations
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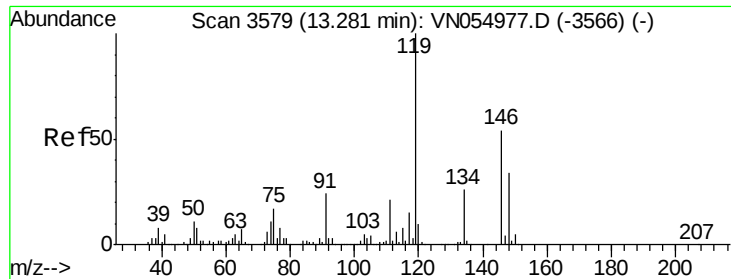
MMDadoda
 4/12/2019 1:41:45 PM



#82
 p-Isopropyltoluene
 Concen: 10.014 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	53.2
91	23.9	0.0	47.8





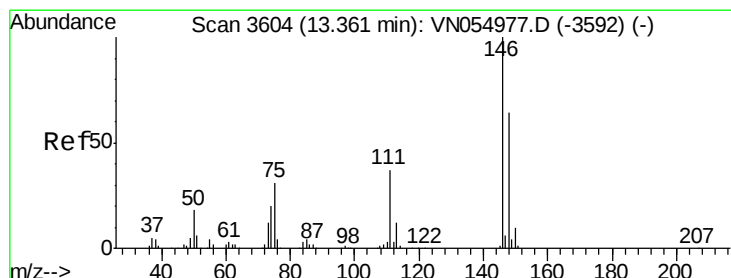
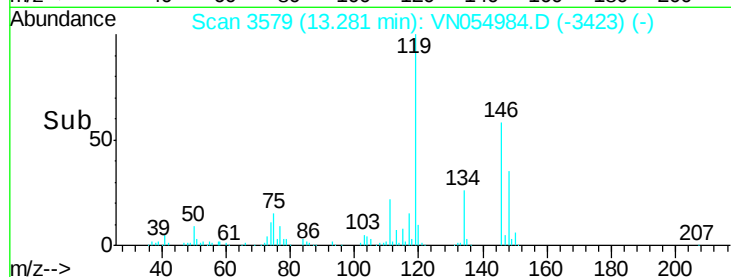
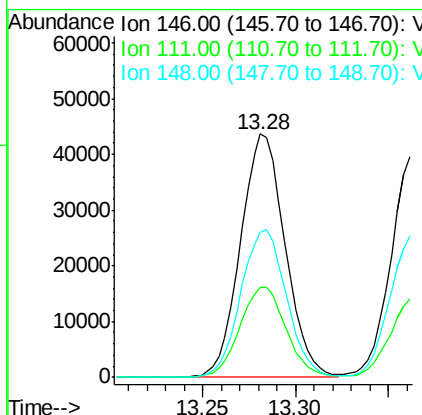
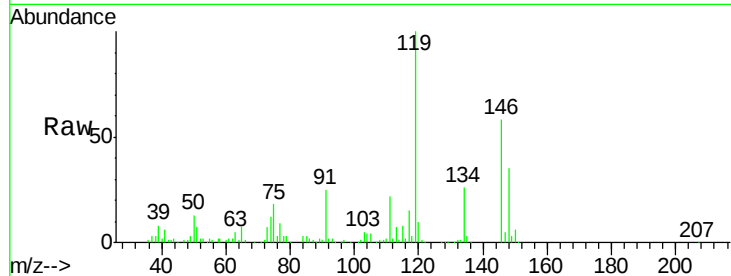
#83
 1,3-Dichlorobenzene
 Concen: 9.629 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	62.0	31.9	95.5

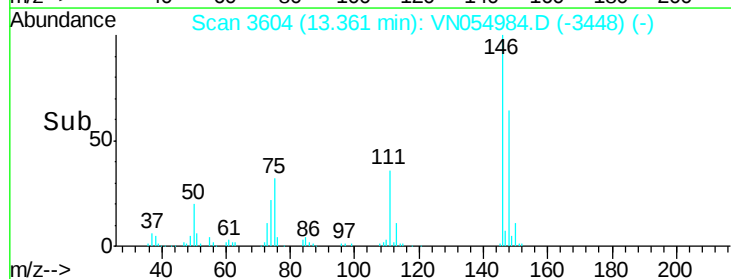
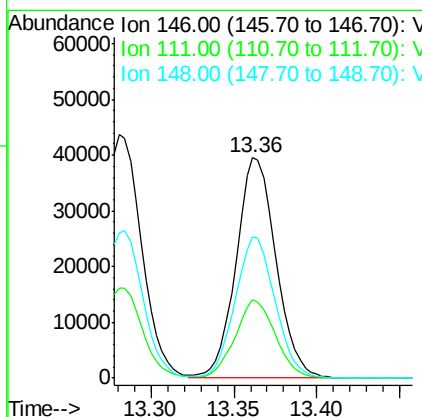
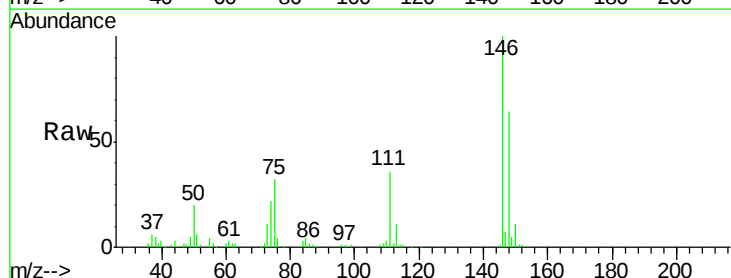
Manual Integrations
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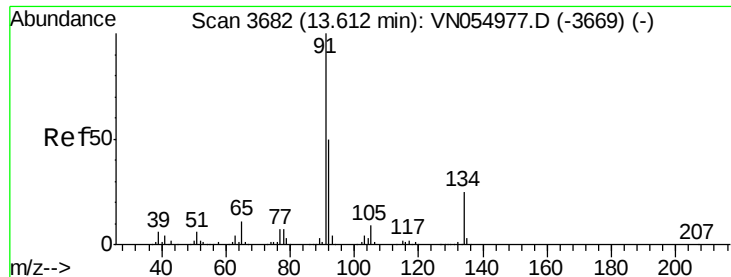
MMDadoda
 4/12/2019 1:41:45 PM



#84
 1,4-Dichlorobenzene
 Concen: 9.216 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.4	55.2
148	64.2	32.5	97.4





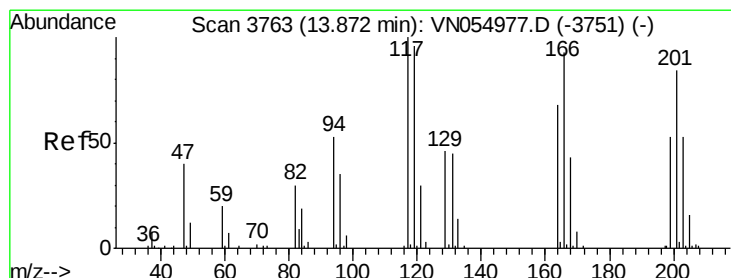
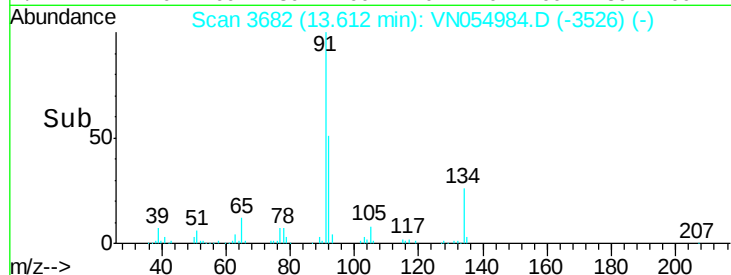
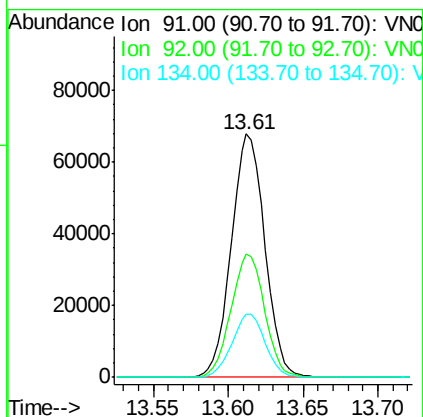
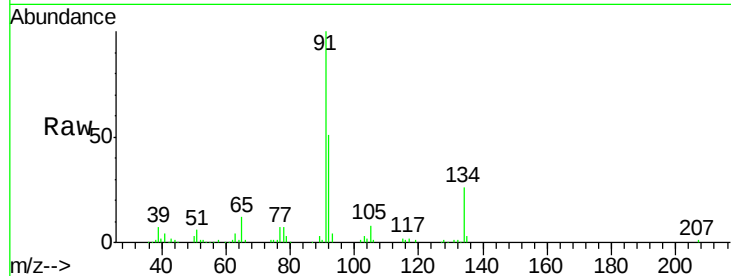
#85
n-Butylbenzene
Concen: 8.792 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	50.8	0.0	101.4	
134	25.7	0.0	49.8	

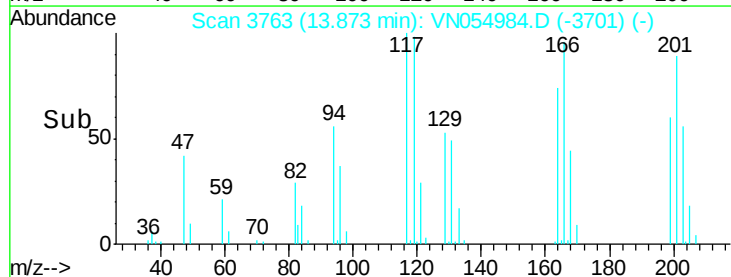
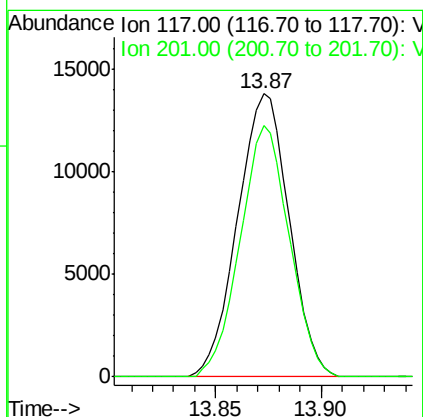
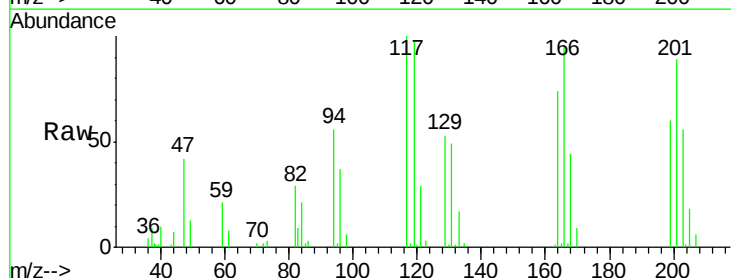
Manual Integrations
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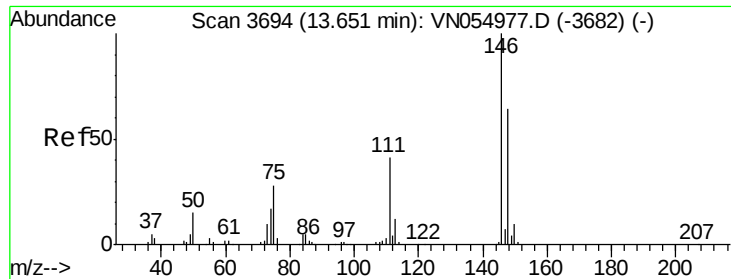
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#86
Hexachloroethane
Concen: 9.663 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	84.8	42.8	128.3	





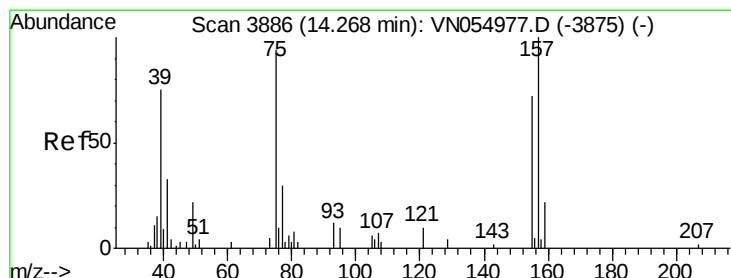
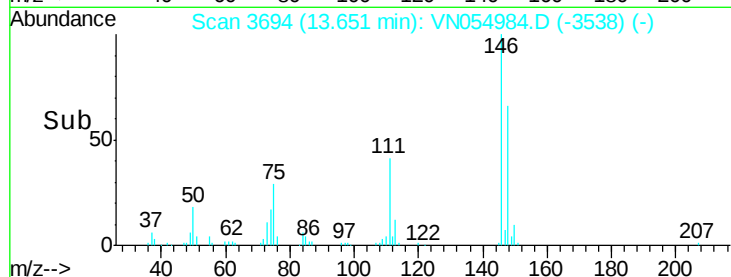
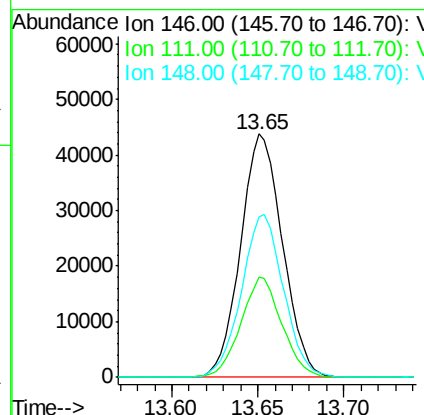
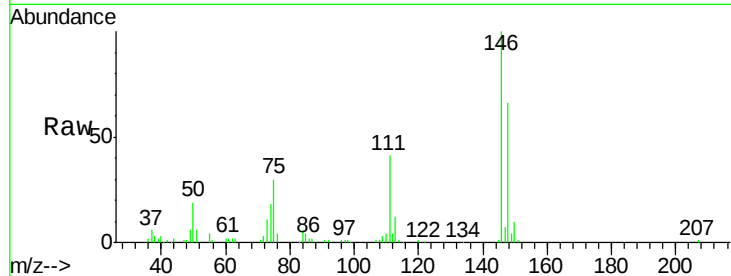
#87
 1,2-Dichlorobenzene
 Concen: 9.968 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.8
148	66.9	32.5	97.5

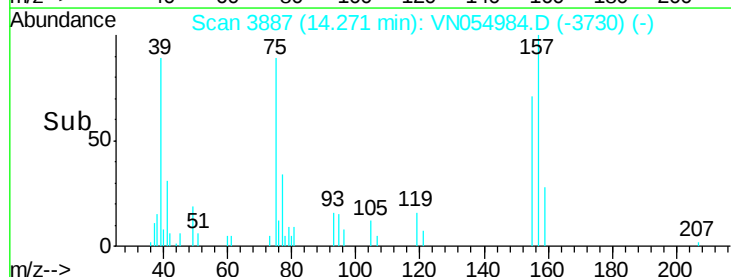
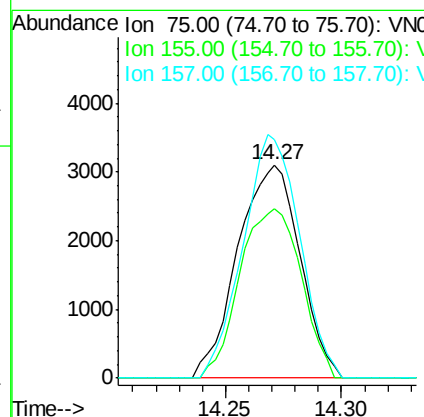
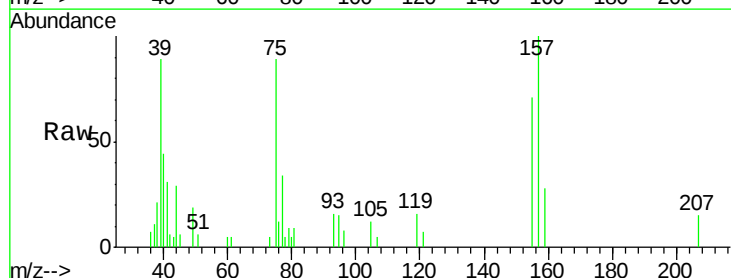
Manual Integrations
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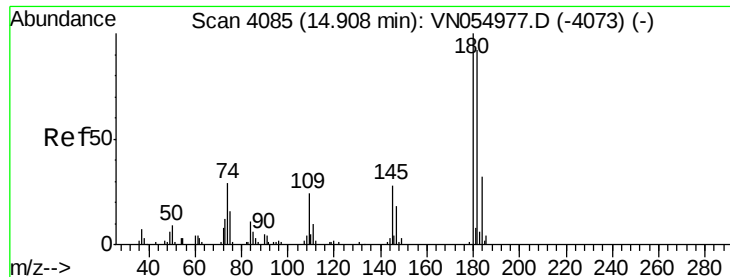
MMDadoda
 4/12/2019 1:41:45 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 9.899 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.5	61.8	92.8
157	104.3	82.7	124.1





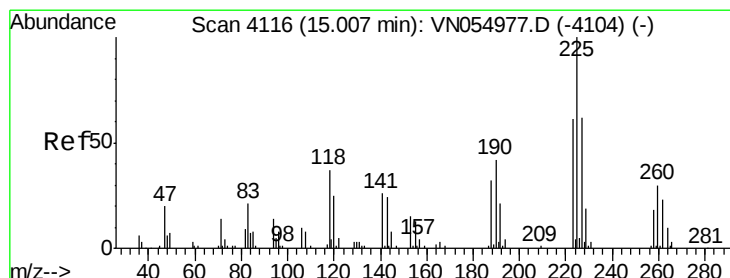
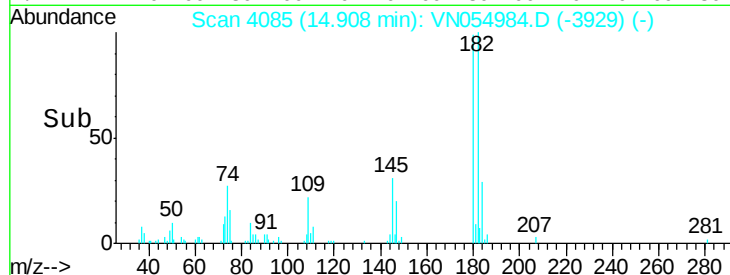
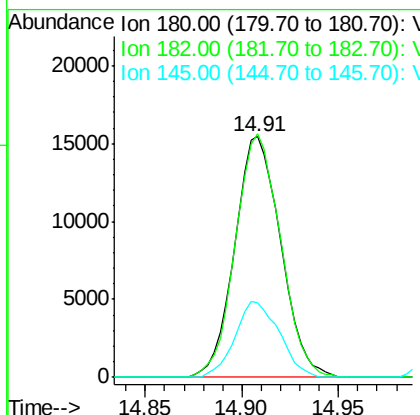
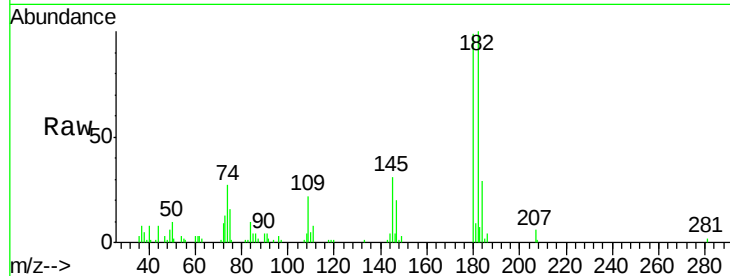
#89
 1,2,4-Trichlorobenzene
 Concen: 7.688 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100	25528		
182	99.4	73.2	109.8	
145	30.3	23.2	34.8	

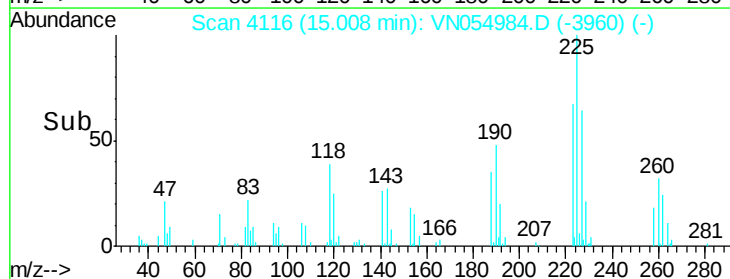
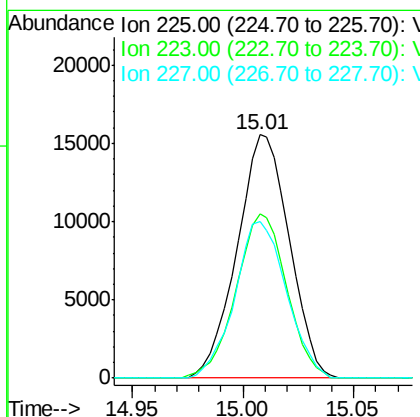
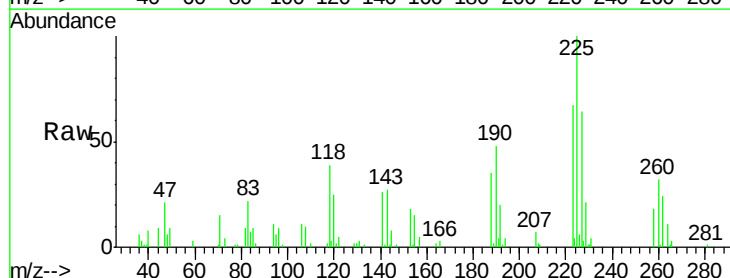
Manual Integrations
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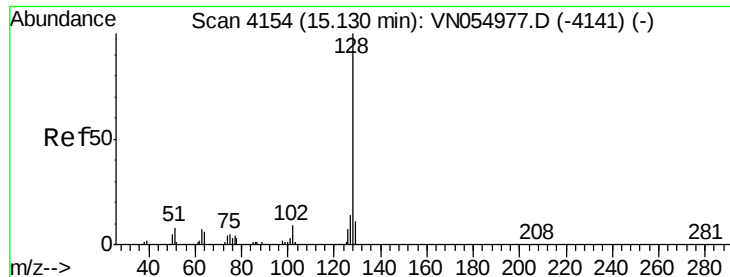
MMDadoda
 4/12/2019 1:41:45 PM



#90
 Hexachlorobutadiene
 Concen: 10.526 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054984.D
 Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25481		
223	65.3	0.0	126.0	
227	63.8	0.0	125.4	





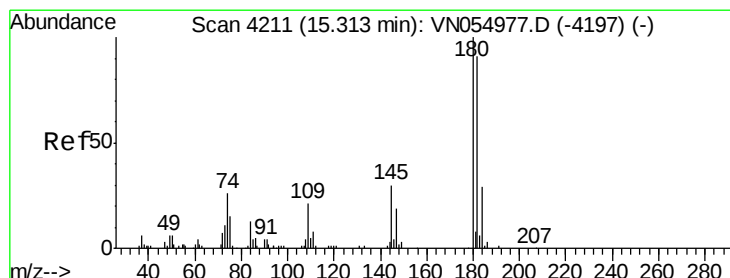
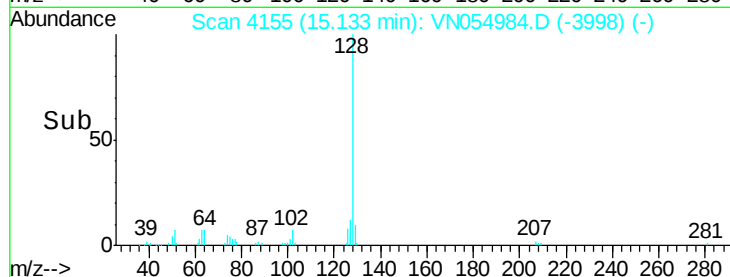
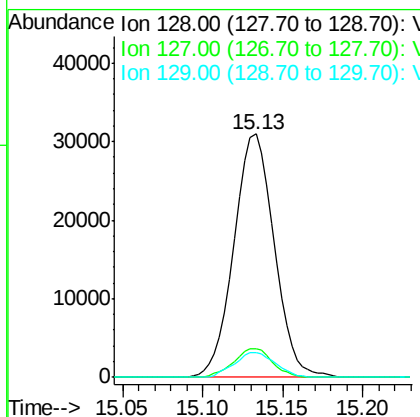
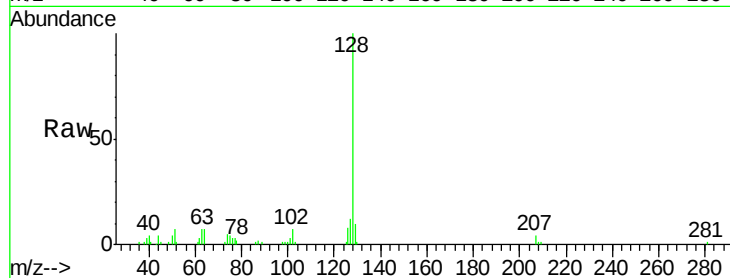
#91
Naphthalene
Concen: 7.660 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.6	15.8
129	10.4	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
4/12/2019 1:41:45 PM



#92
1,2,3-Trichlorobenzene
Concen: 8.337 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054984.D
Acq: 11 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	0.0	188.2
145	29.7	0.0	61.2

