

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054025.D
 Acq On : 1 Mar 2019 13:17
 Operator : JC/SP
 Sample : K1560-08 L00 10ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 10:23:44 AM

Quant Time: Mar 02 00:40:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	114850	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	618380	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	525941	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	246053	30.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.70%
60) 4-Bromofluorobenzene	12.40	95	230372	28.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.40%
63) Toluene-d8	10.09	98	769417	30.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	66452	10.233 ug/l	96
3) Chloromethane	2.06	50	92022	10.653 ug/l	100
4) Vinyl Chloride	2.19	62	88084	10.183 ug/l	99
5) Bromomethane	2.57	94	57353	10.779 ug/l	96
6) Chloroethane	2.71	64	52731	10.354 ug/l	100
7) Trichlorofluoromethane	3.02	101	110103	10.477 ug/l	98
8) Diethyl Ether	3.41	74	39008	9.869 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	68895	10.197 ug/l	99
10) 1,1-Dichloroethene	3.74	96	65729	10.383 ug/l	97
11) Methyl Iodide	3.95	142	84930	9.044 ug/l	97
12) Methyl Acetate	4.32	43	55207	10.343 ug/l	97
13) Acrolein	3.60	56	30733	70.705 ug/l	98
14) Acrylonitrile	4.99	53	131349	51.209 ug/l	99
15) Acetone	3.82	58	37402	50.599 ug/l	94
16) Carbon Disulfide	4.05	76	204864	9.974 ug/l	98
17) Allyl chloride	4.33	41	109663	9.795 ug/l	99
18) Methylene Chloride	4.55	84	76286	10.436 ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	70490	10.264 ug/l	93
20) Diisopropyl ether	5.95	45	223744	9.990 ug/l	95
21) 1,1-Dichloroethane	5.85	63	137211	10.374 ug/l	98
22) cis-1,2-Dichloroethene	6.82	96	77830	10.180 ug/l	97
23) tert-Butyl Alcohol	4.78	59	24065	52.382 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	172518	10.066 ug/l #	81
25) Chloroform	7.37	83	131588	10.311 ug/l	99
26) Cyclohexane	7.65	56	118517	9.846 ug/l #	100
29) 1,1-Dichloropropene	7.79	75	98982	10.219 ug/l	98
30) 2-Butanone	6.84	43	148117	48.431 ug/l	99
31) 2,2-Dichloropropane	6.82	77	93108	9.748 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	108219	10.387 ug/l	98
33) Carbon Tetrachloride	7.77	117	92359	10.012 ug/l	100
34) Benzene	8.04	78	294986	10.247 ug/l #	87
35) Methacrylonitrile	7.17	41	26554	7.765 ug/l	99
36) 1,2-Dichloroethane	8.12	62	97998	10.601 ug/l	99
37) Trichloroethene	8.84	130	75510	10.049 ug/l	98
38) Methylcyclohexane	9.08	83	109365	9.566 ug/l	97
39) 1,2-Dichloropropane	9.12	63	80494	10.207 ug/l	98
40) Dibromomethane	9.21	93	47902	10.596 ug/l	98

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

41) Bromodichloromethane	9.40	83	97345	10.148	ug/l #	99
42) Vinyl Acetate	5.90	43	770019	48.736	ug/l	100
43) Ethyl Acetate	6.93	43	60131	9.387	ug/l #	69
44) Isopropyl Acetate	8.16	43	109788	9.767	ug/l #	79
45) 1,4-Dioxane	9.20	88	14053	228.959	ug/l	97
46) Methyl methacrylate	9.20	41	50219	9.301	ug/l	99
47) n-amyl Acetate	12.07	43	75177	9.105	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	89710	9.327	ug/l	94
49) cis-1,3-Dichloropropene	9.84	75	108858	9.639	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	63796	10.060	ug/l	98
51) Ethyl methacrylate	10.43	69	67012	8.778	ug/l	97
52) 1,3-Dichloropropane	10.71	76	110485	10.151	ug/l	100
53) Dibromochloromethane	10.90	129	68295	9.801	ug/l	99
54) 1,2-Dibromoethane	11.00	107	59322	9.820	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	156624	44.210	ug/l	99
56) Bromoform	12.13	173	43413	9.383	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	287583	48.526	ug/l	97
59) 2-Hexanone	10.75	43	182438	47.117	ug/l	97
61) Tetrachloroethene	10.63	164	76029	10.398	ug/l	98
62) Toluene	10.16	91	305800	10.404	ug/l	100
64) Chlorobenzene	11.43	112	181920	10.164	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	69103	10.515	ug/l	96
66) Ethyl Benzene	11.51	91	306278	9.969	ug/l	100
67) m/p-Xylenes	11.62	106	230309	19.910	ug/l	100
68) o-Xylene	11.95	106	114534	10.214	ug/l	100
69) Styrene	11.96	104	170113	9.581	ug/l	99
70) Isopropylbenzene	12.25	105	297828	10.120	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	74121	10.204	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	60745m	11.013	ug/l	
73) Bromobenzene	12.53	156	72900	9.825	ug/l	99
74) n-propylbenzene	12.59	91	339538	9.688	ug/l	99
75) 2-Chlorotoluene	12.67	91	210170	10.241	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	250675	10.055	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	16666	8.491	ug/l	98
78) 4-Chlorotoluene	12.77	91	197530	9.619	ug/l	98
79) tert-butylbenzene	12.99	119	219806	10.062	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	241402	9.729	ug/l	100
81) sec-Butylbenzene	13.17	105	298527	9.964	ug/l	99
82) p-Isopropyltoluene	13.29	119	247173	9.662	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	121399	9.276	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	112787	9.026	ug/l	99
85) n-Butylbenzene	13.61	91	195893	8.786	ug/l	98
86) Hexachloroethane	13.87	117	46409	9.703	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	121985	9.610	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10479	9.971	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	46740	7.248	ug/l	96
90) Hexachlorobutadiene	15.01	225	45892	9.795	ug/l	100
91) Naphthalene	15.13	128	81386	11.620	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	47328	7.432	ug/l	99

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QLast Update : Fri Mar 01 11:11:48 2019
Response via : Initial Calibration

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

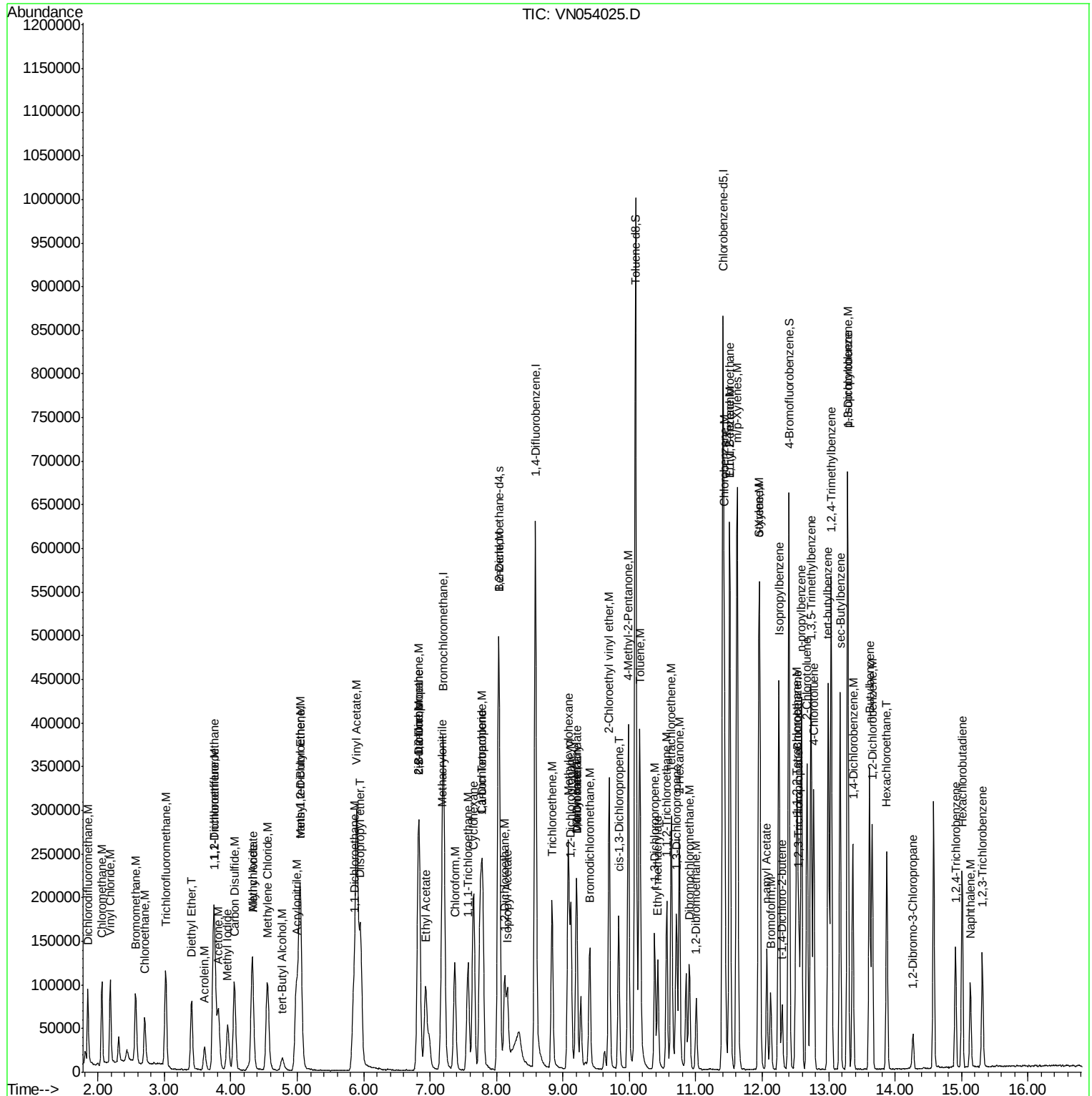
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054025.D
 Acq On : 1 Mar 2019 13:17
 Operator : JC/SP
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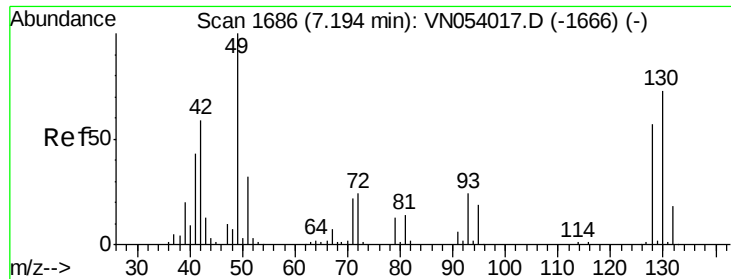
Instrument :
 MSVOA_N
 Client Sample ID :
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Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

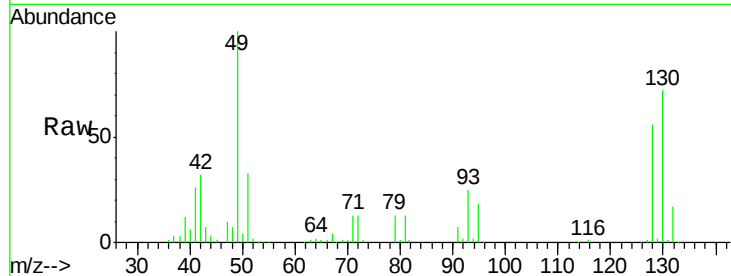
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
128	100		
49	177.4	0.0	431.8
130	127.7	0.0	317.0

Manual Integrations
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MMDadoda
3/6/2019 10:23:44 AM

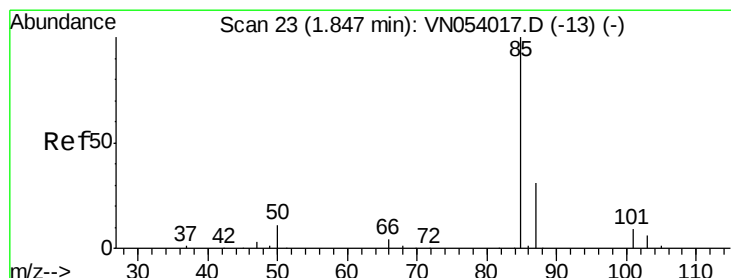
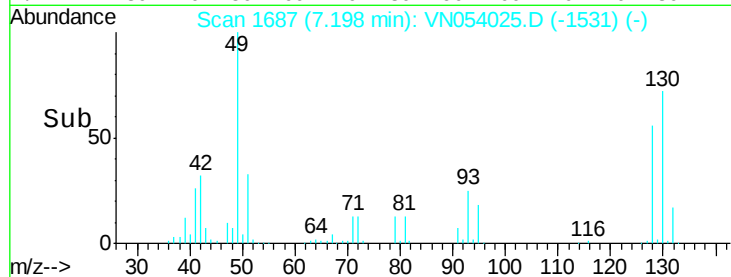
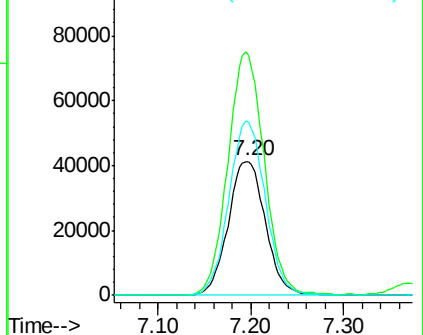


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.233 ug/l

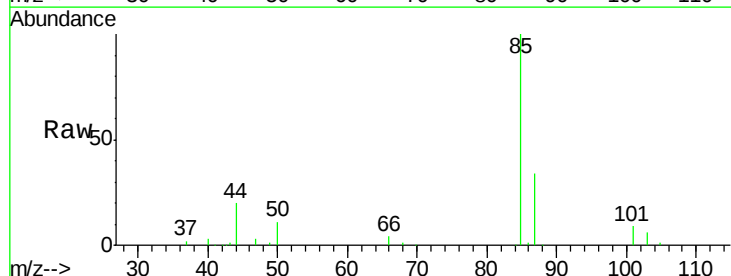
RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

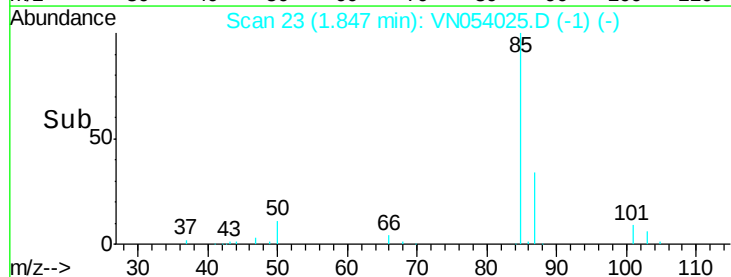
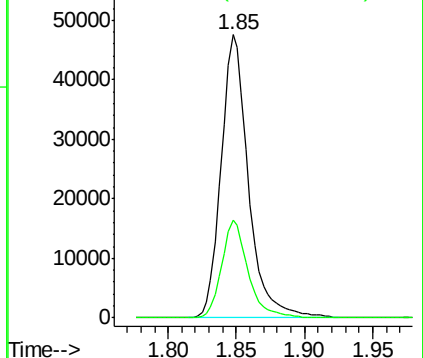
Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.3	16.1	48.3

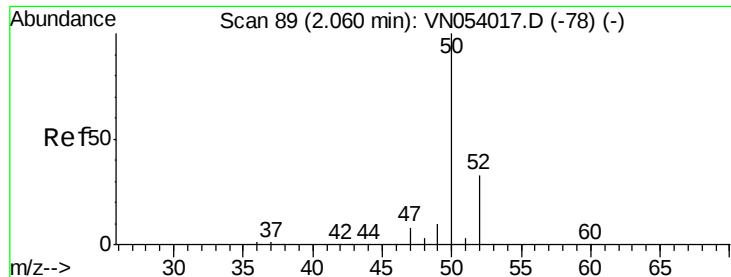


Abundance

Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 10.653 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 50 Resp: 92022

Ion Ratio Lower Upper

50 100

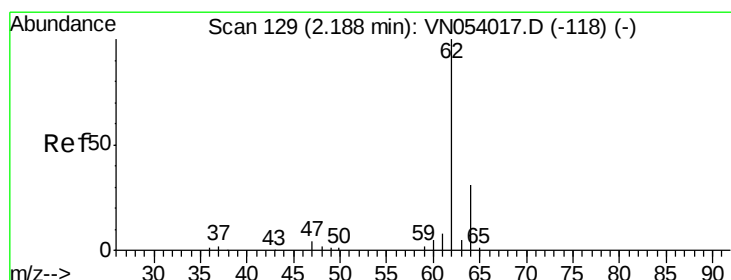
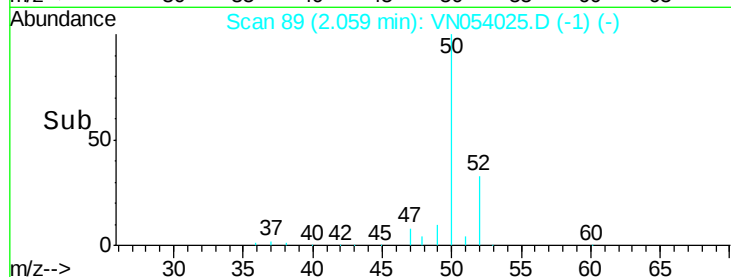
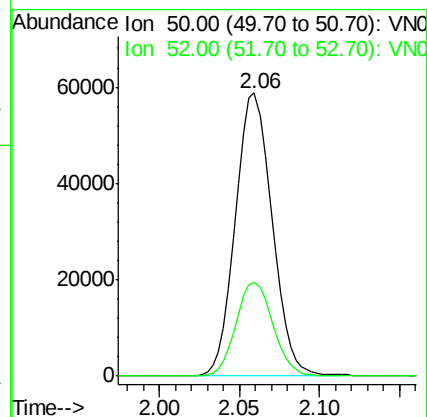
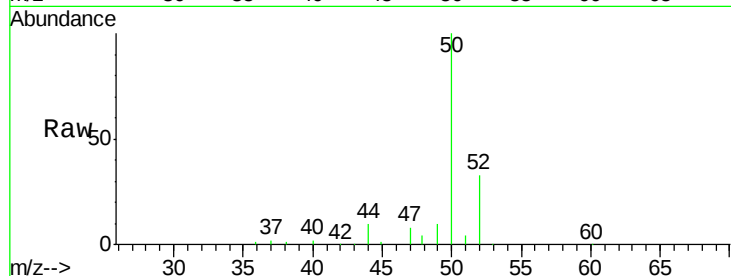
52 33.2 26.5 39.7

Manual Integrations

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3/6/2019 10:23:44 AM



#4

Vinyl Chloride

Concen: 10.183 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054025.D

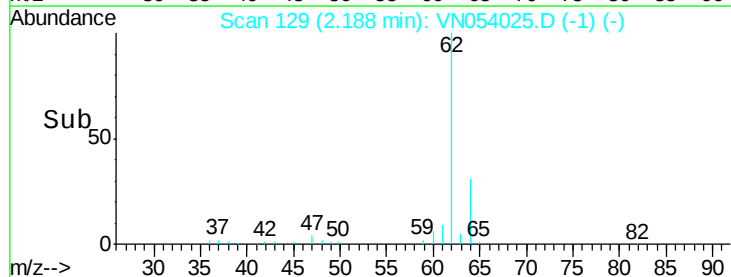
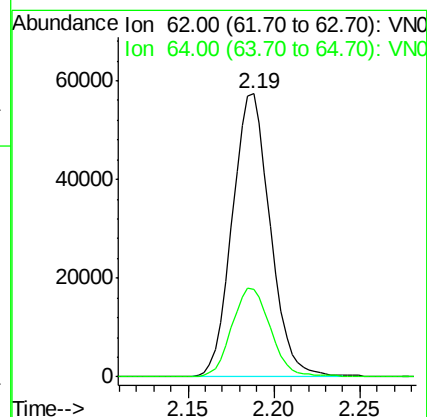
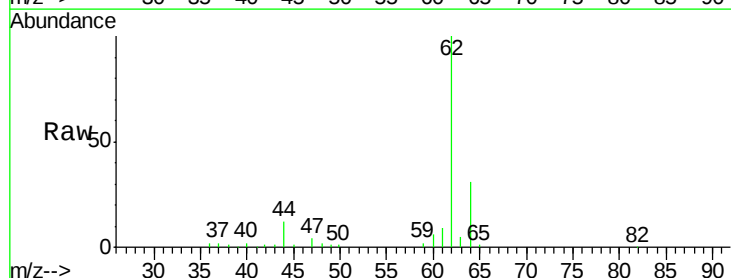
Acq: 1 Mar 2019 13:17

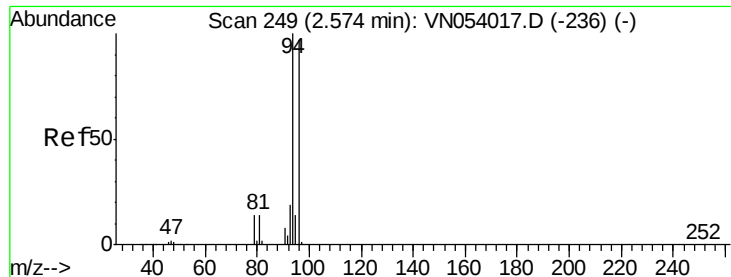
Tgt Ion: 62 Resp: 88084

Ion Ratio Lower Upper

62 100

64 30.9 24.2 36.4





#5

Bromomethane

Concen: 10.779 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 94 Resp: 57353

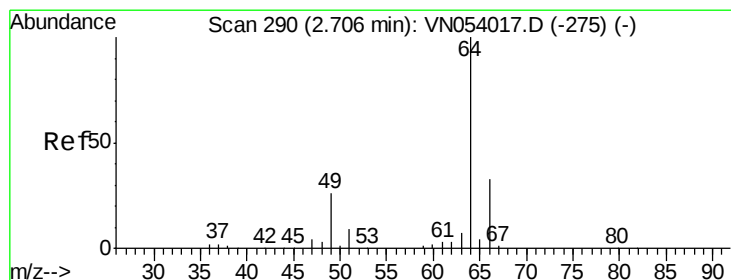
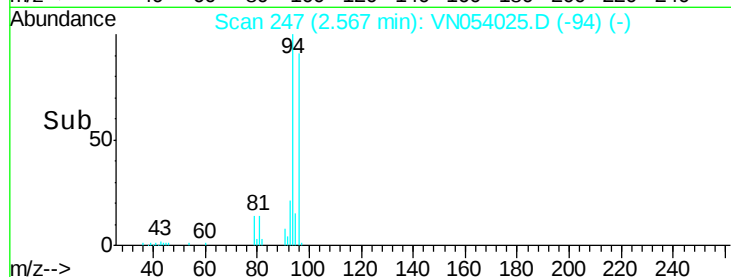
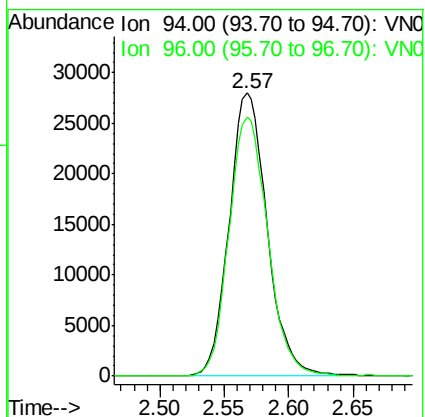
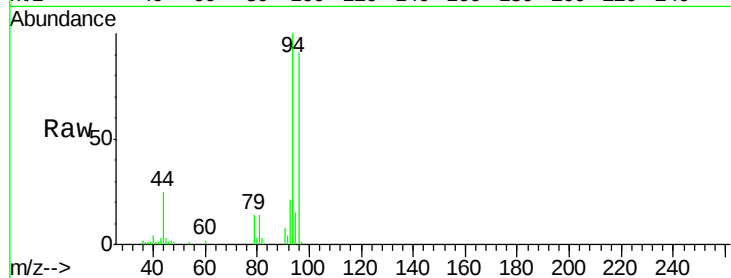
Ion Ratio Lower Upper

94 100

96 91.4 76.2 114.2

Manual Integrations
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#6

Chloroethane

Concen: 10.354 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054025.D

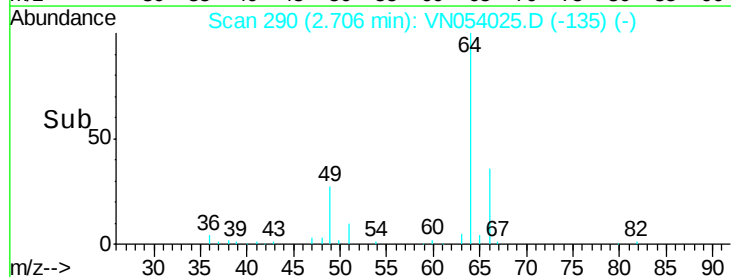
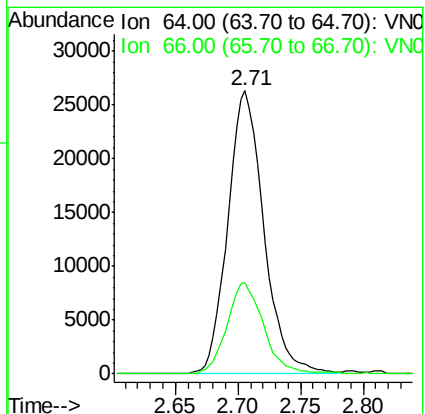
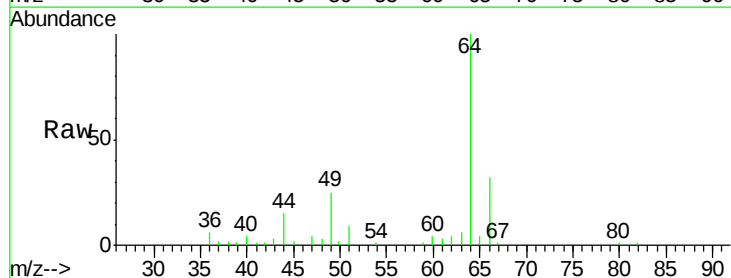
Acq: 1 Mar 2019 13:17

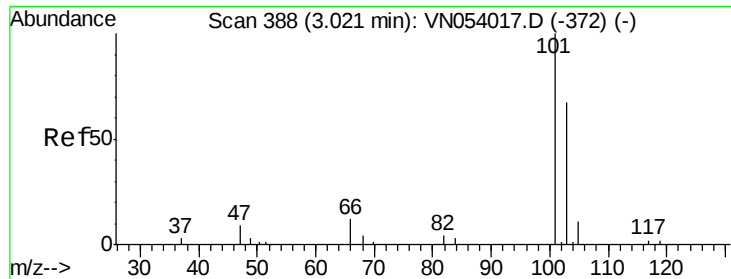
Tgt Ion: 64 Resp: 52731

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4





#7

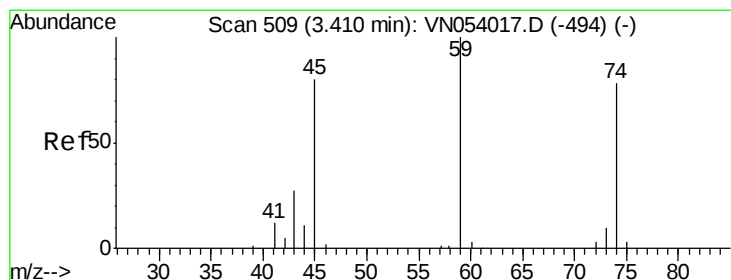
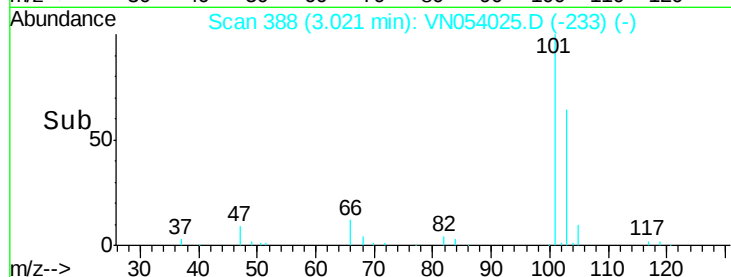
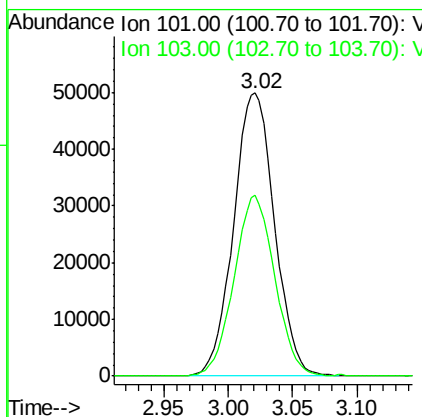
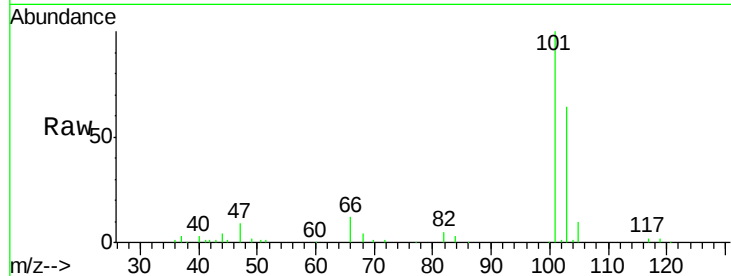
Trichlorofluoromethane
 Concen: 10.477 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.1	78.1

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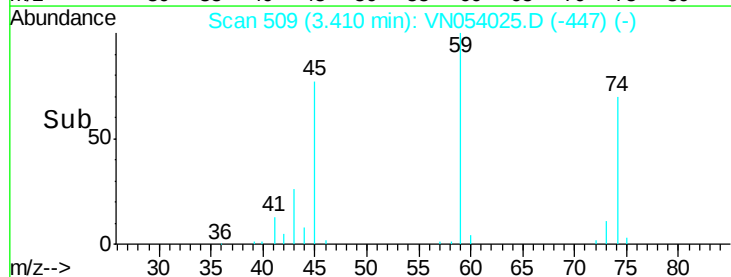
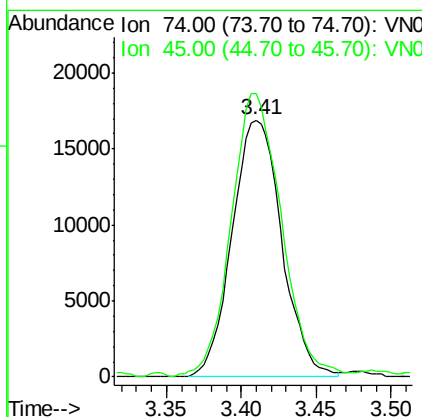
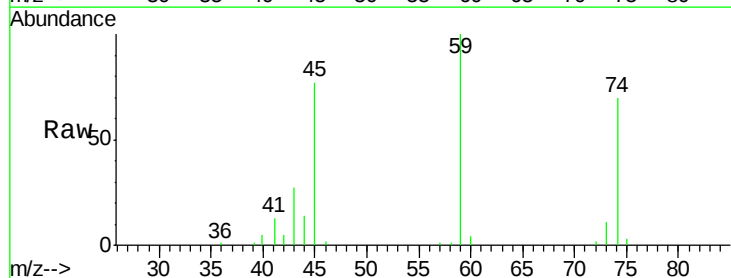
MMDadoda
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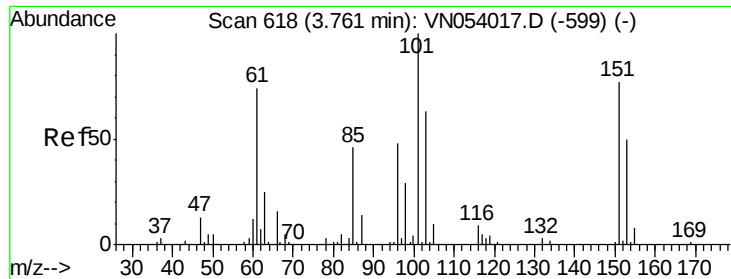


#8

Diethyl Ether
 Concen: 9.869 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.2	20.6	185.8





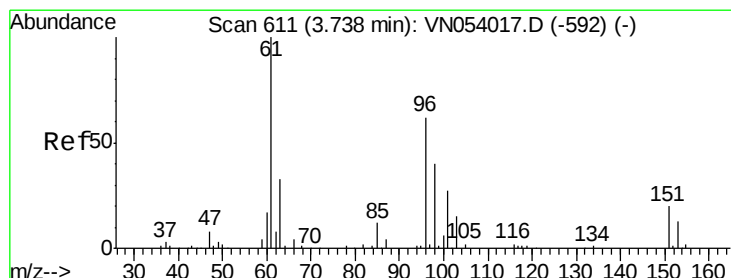
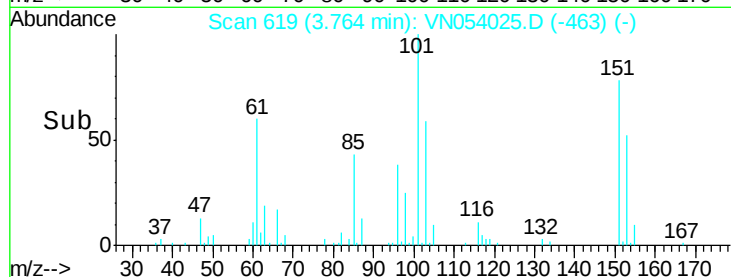
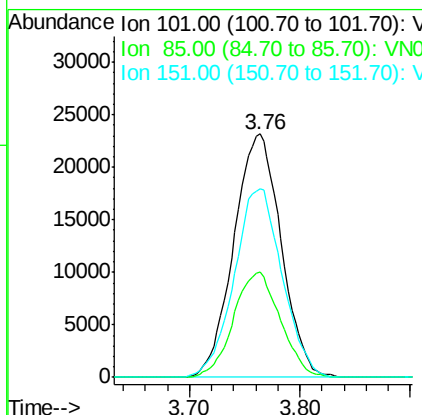
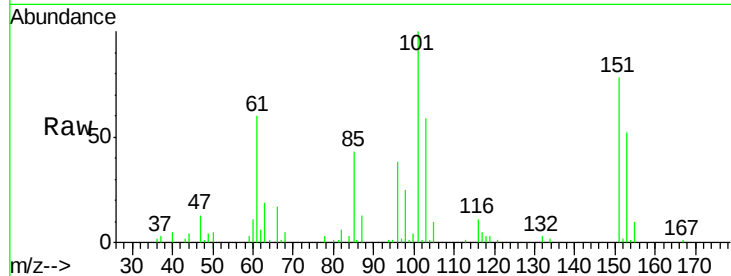
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.197 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.7	0.0	82.6
151	78.6	0.0	158.4

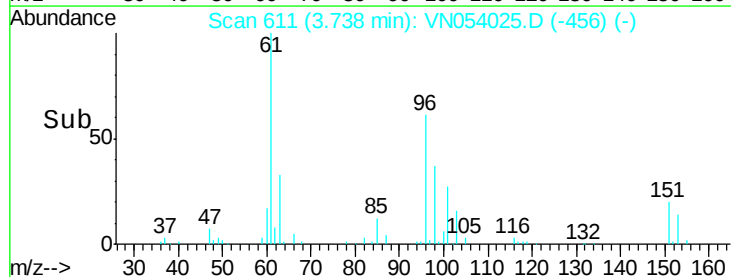
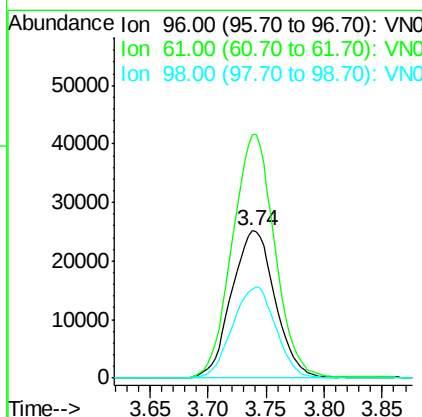
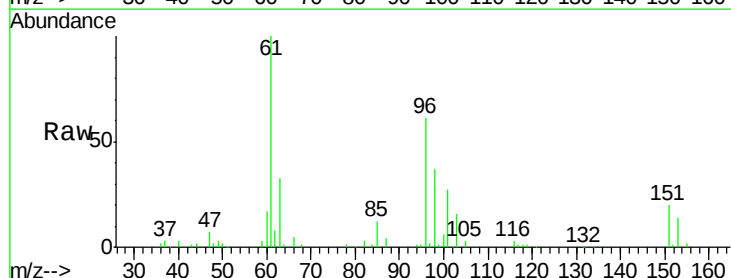
Manual Integrations
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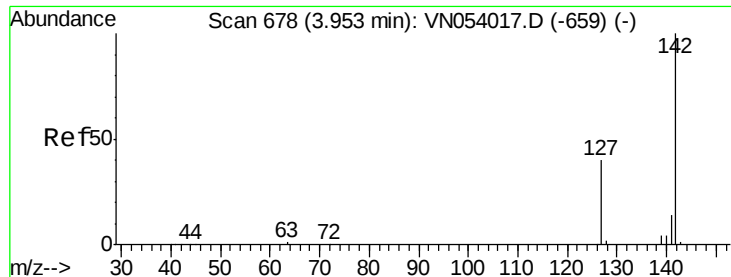
MMDadoda
 3/6/2019 10:23:44 AM



#10
 1,1-Dichloroethene
 Concen: 10.383 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.1	129.4	194.2
98	60.5	50.4	75.6





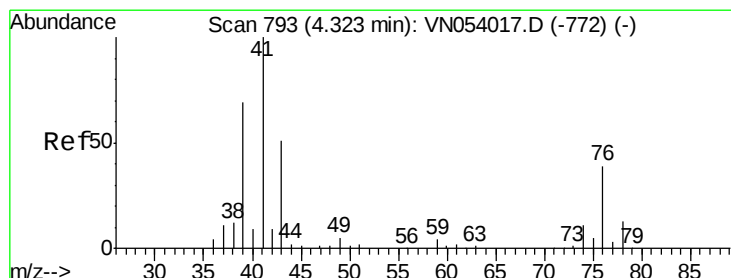
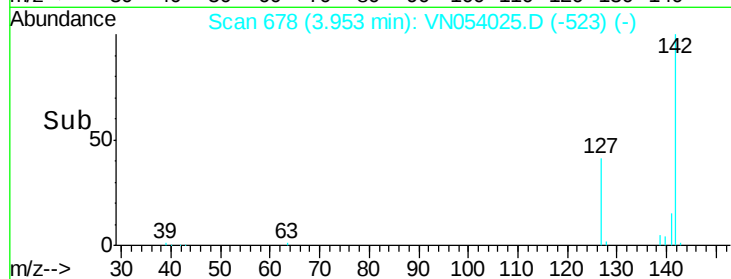
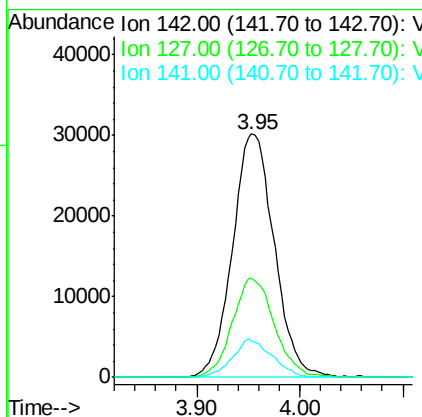
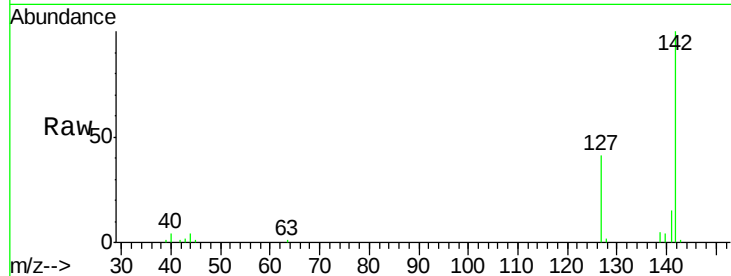
#11
Methyl Iodide
Concen: 9.044 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.8	19.4	58.1
141	15.1	7.2	21.6

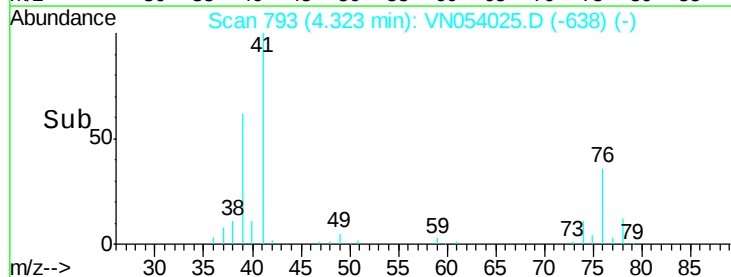
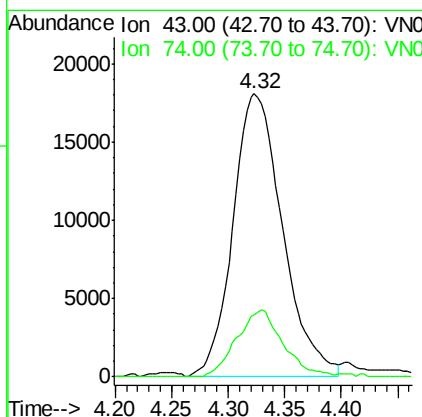
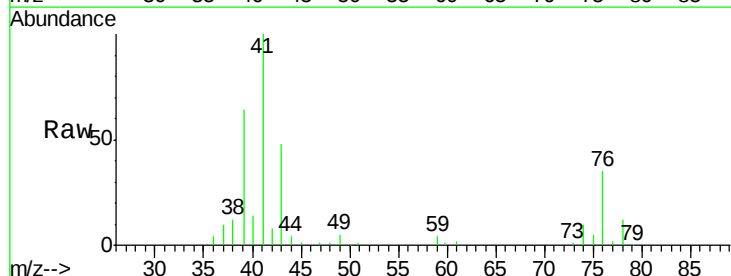
Manual Integrations
APPROVED

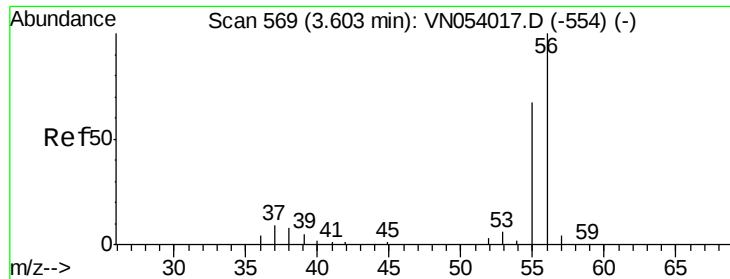
MMDadoda
3/6/2019 10:23:44 AM



#12
Methyl Acetate
Concen: 10.343 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	18.9	28.3





#13

Acrolein

Concen: 70.705 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 56 Resp: 30733

Ion Ratio Lower Upper

56 100

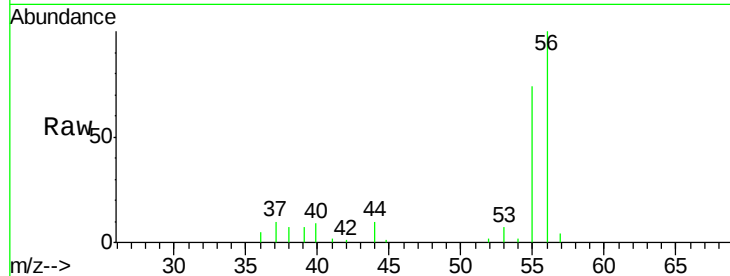
55 72.6 56.7 85.1

Manual Integrations

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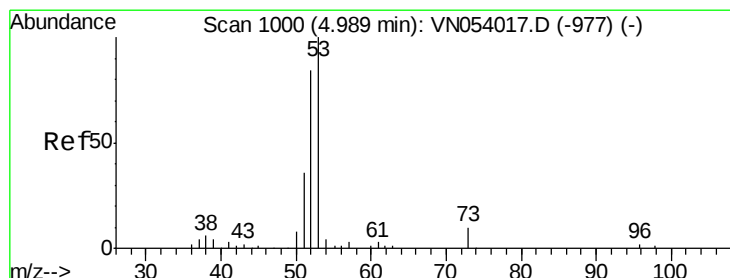
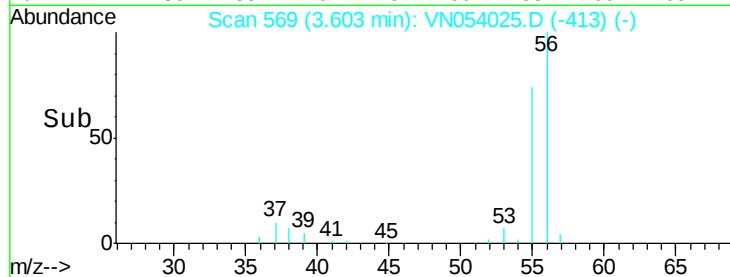
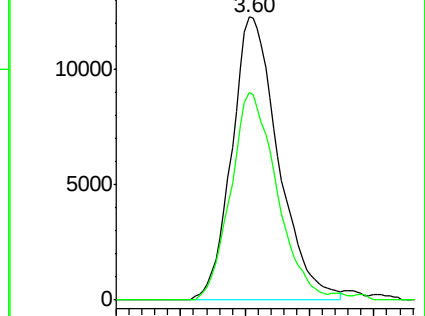
MMDadoda

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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: 51.209 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

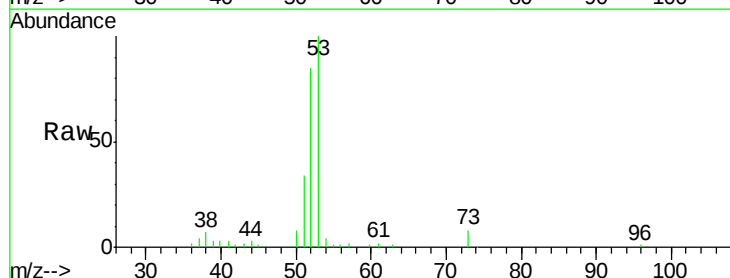
Tgt Ion: 53 Resp: 131349

Ion Ratio Lower Upper

53 100

52 81.3 39.9 119.7

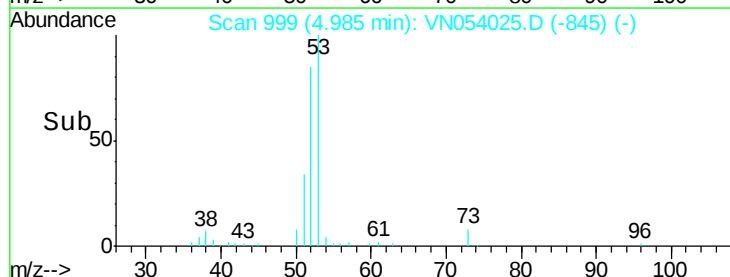
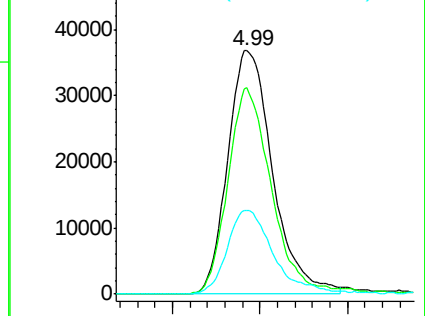
51 35.4 17.6 52.9

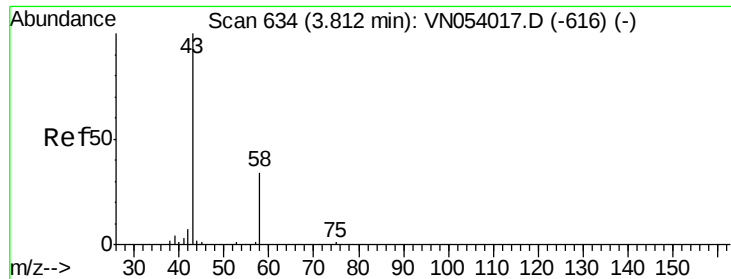


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 50.599 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 58 Resp: 37402

Ion Ratio Lower Upper

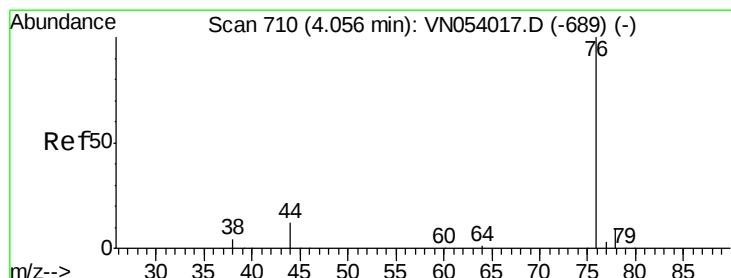
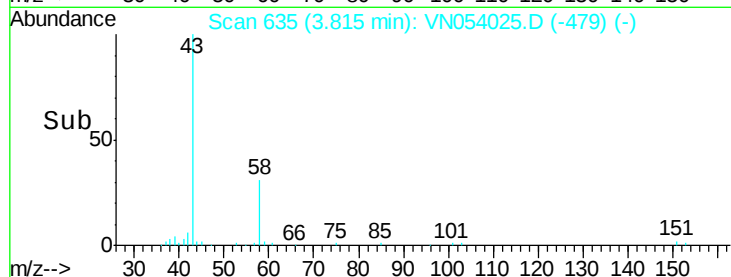
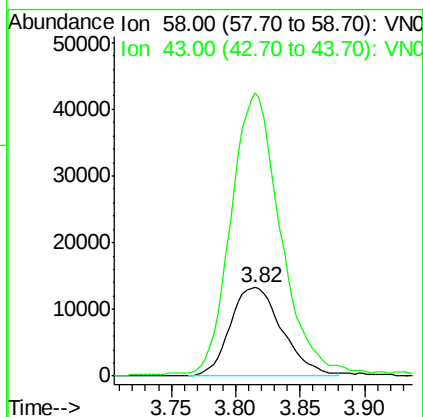
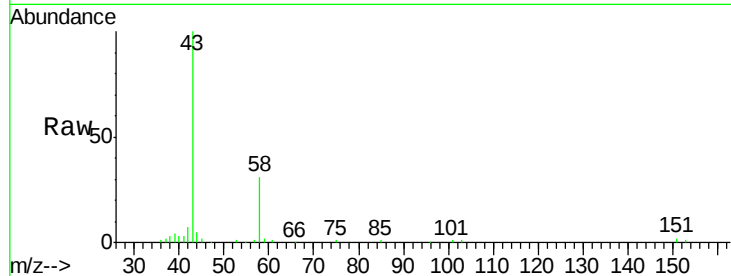
58 100

43 316.1 243.6 365.4

Manual Integrations
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#16

Carbon Disulfide

Concen: 9.974 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN054025.D

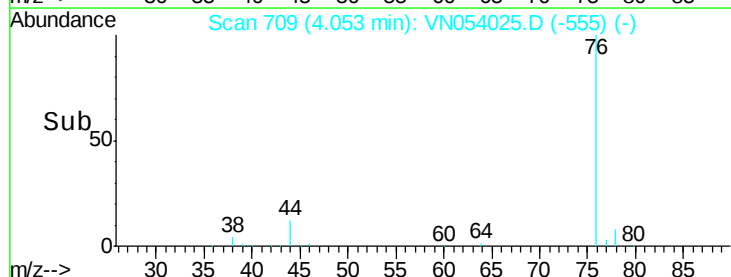
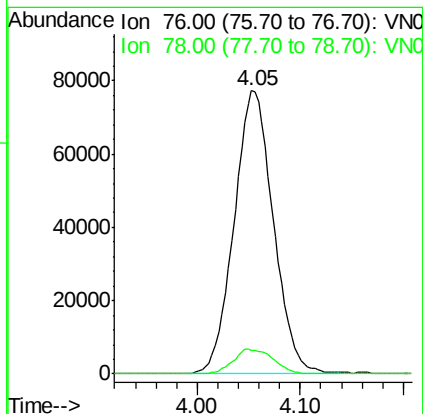
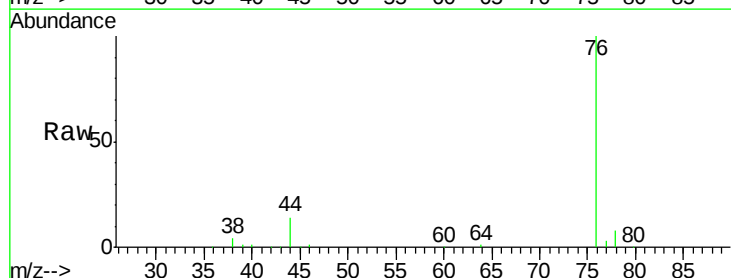
Acq: 1 Mar 2019 13:17

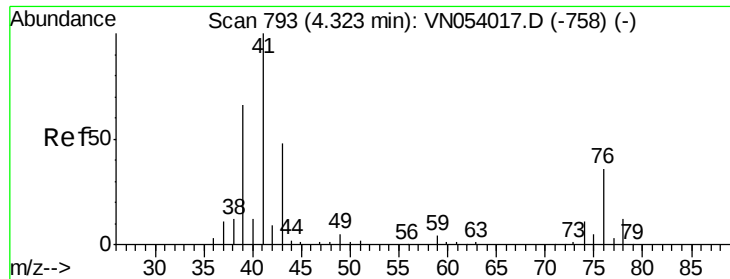
Tgt Ion: 76 Resp: 204864

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9





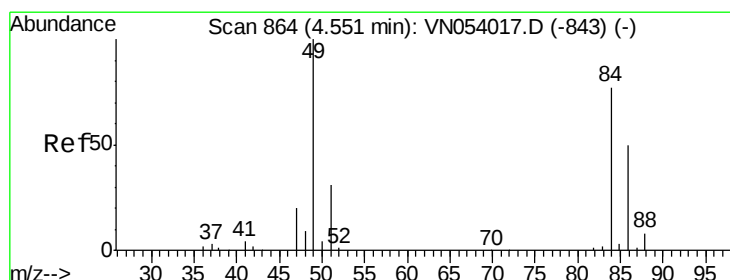
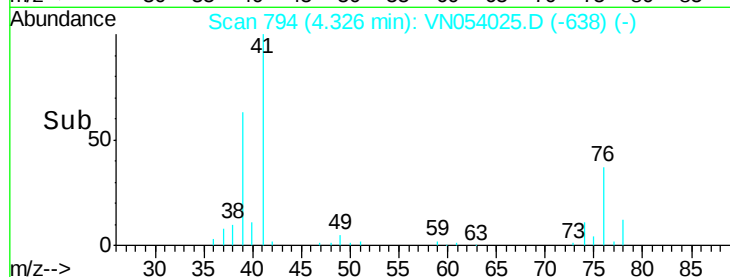
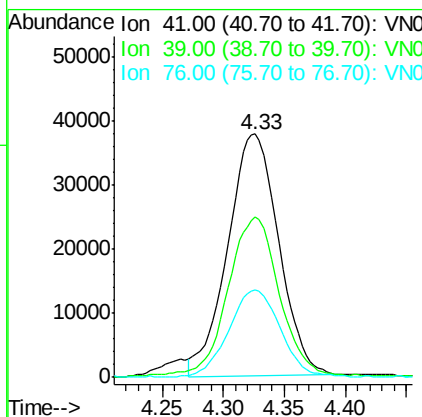
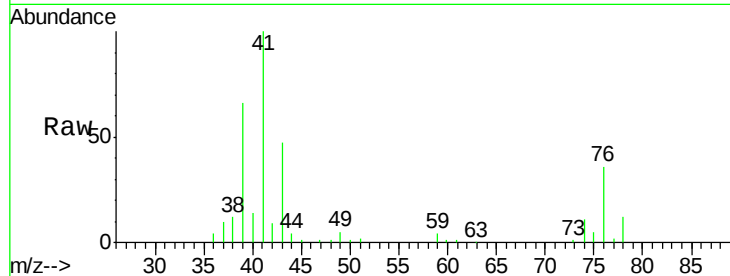
#17
Allvl chloride
Concen: 9.795 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.3	32.8	98.3
76	35.4	18.6	55.8

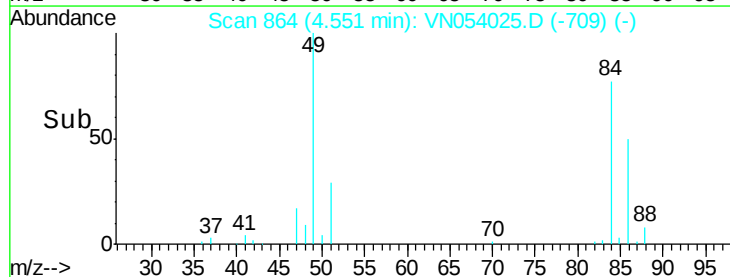
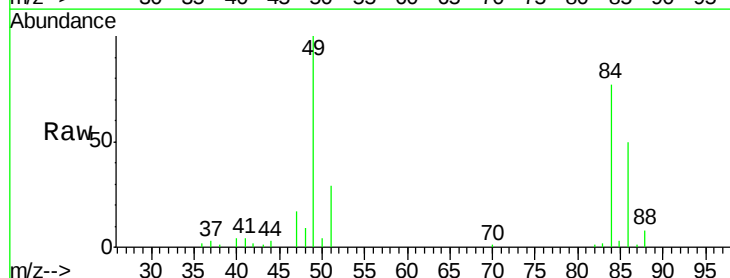
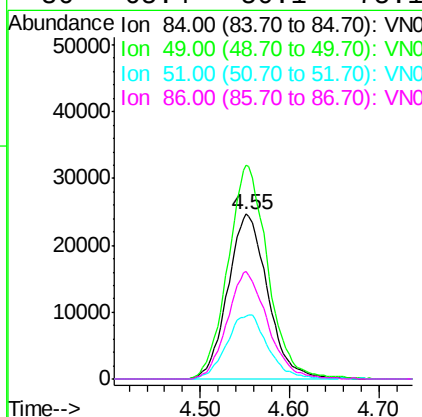
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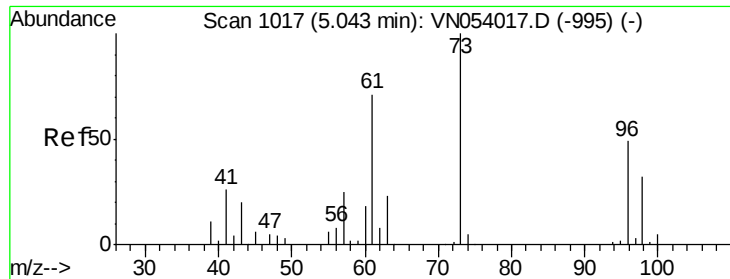
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#18
Methylene Chloride
Concen: 10.436 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.8	101.4	152.0
51	38.2	31.7	47.5
86	65.4	50.1	75.1





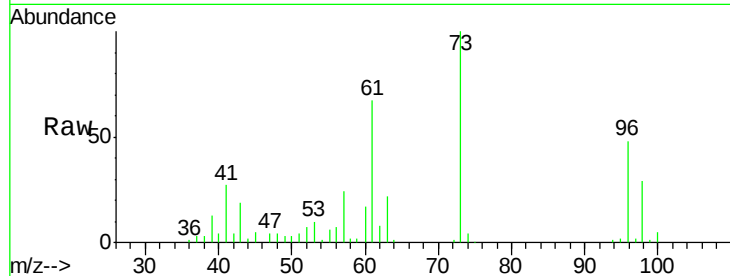
#19
trans-1,2-Dichloroethene
Concen: 10.264 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.5	118.2	177.4
98	60.7	51.4	77.2

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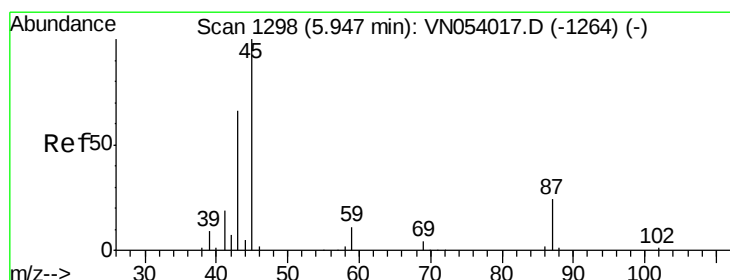
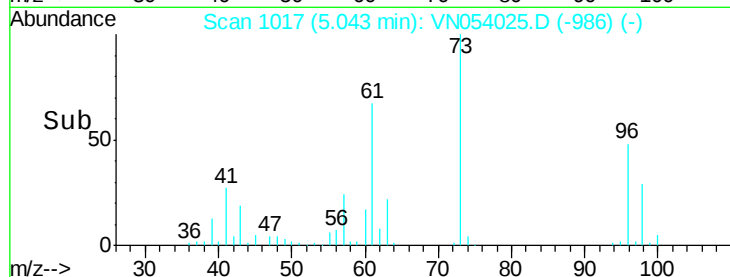
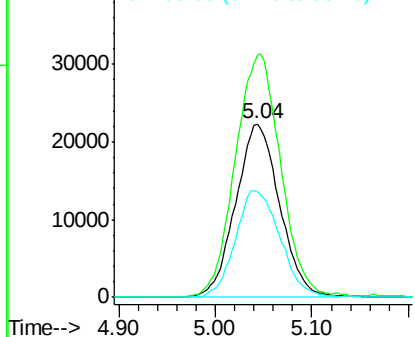


Abundance

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: 9.990 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.0	47.8	71.8
87	25.1	21.3	31.9
59	12.2	8.9	13.3

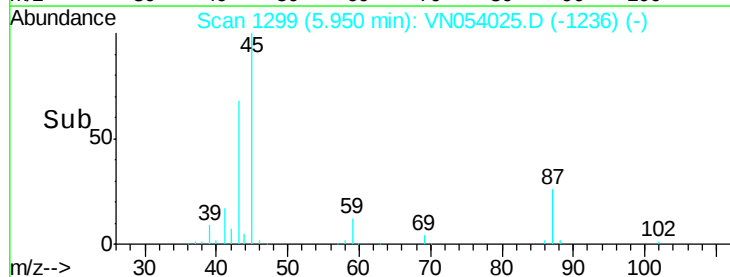
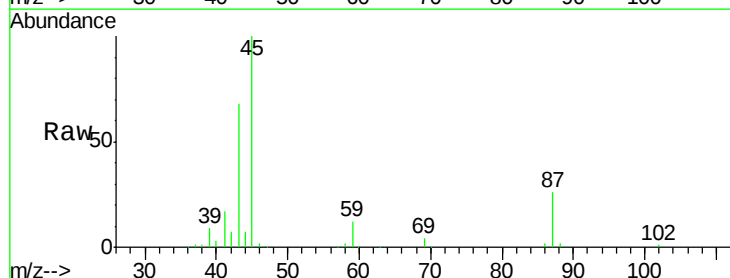
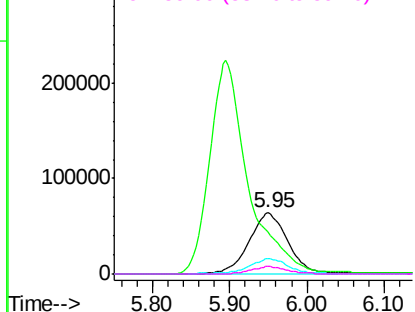
Abundance

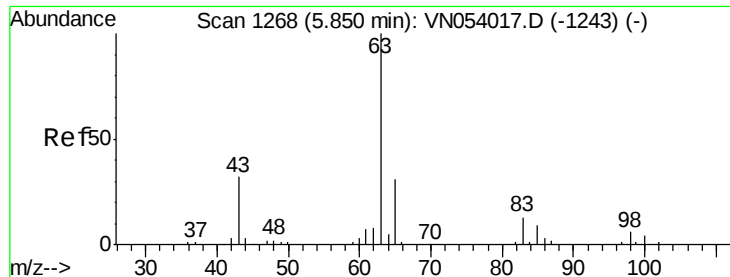
Ion 45.00 (44.70 to 45.70): VN0

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: 10.374 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

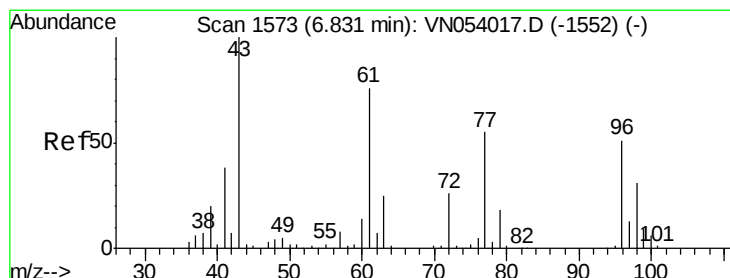
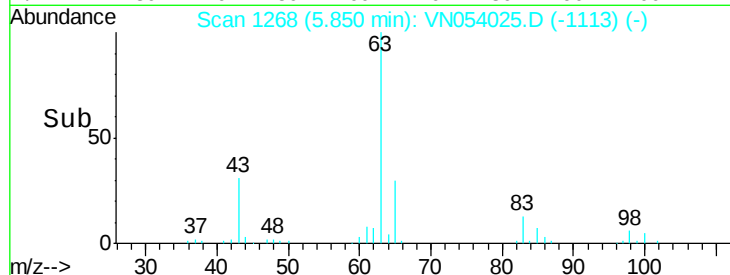
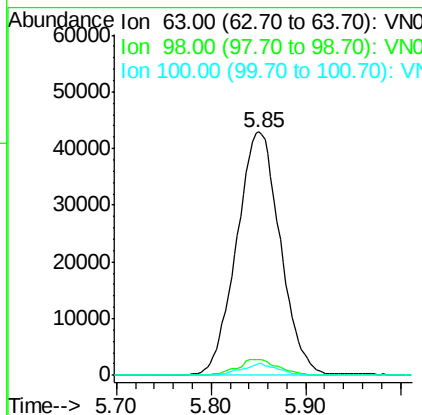
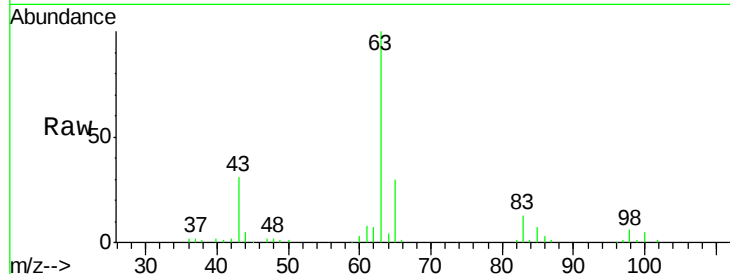
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion	63	Resp	137211
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.0	9.2
100	5.0	1.8	5.5

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#22

cis-1,2-Dichloroethene

Concen: 10.180 ug/l

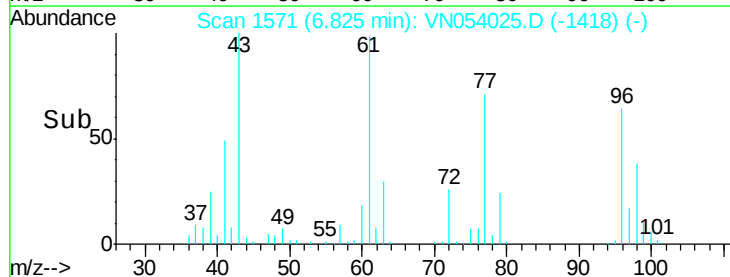
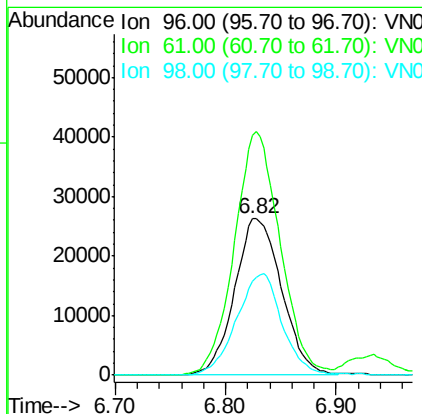
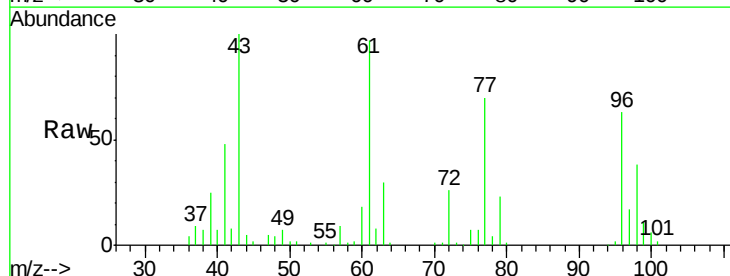
RT: 6.82 min Scan# 1571

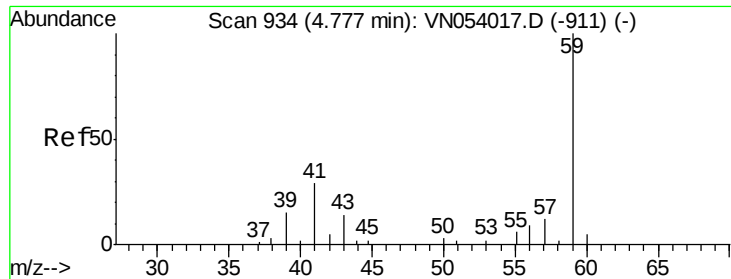
Delta R.T. -0.01 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Tgt Ion	96	Resp	77830
Ion Ratio	Lower	Upper	
96	100		
61	151.3	116.7	175.1
98	62.5	50.8	76.2





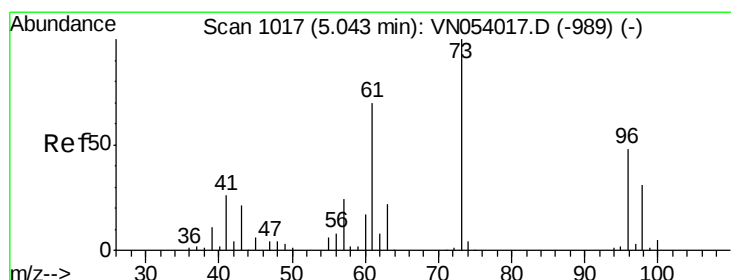
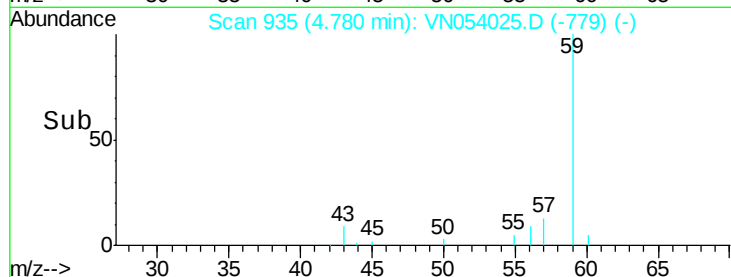
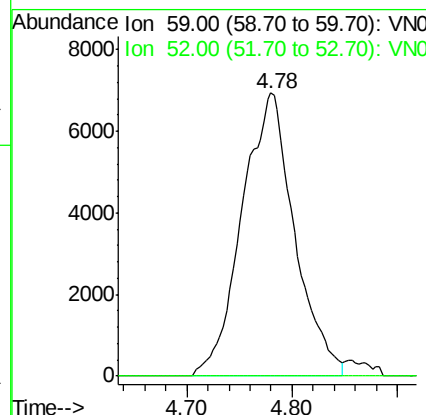
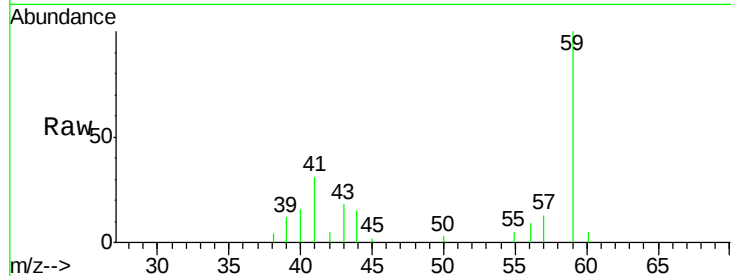
#23
 tert-Butyl Alcohol
 Concen: 52.382 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	59	52	Ratio	100	0.0	Resp	24065	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp	24065	Lower	Upper

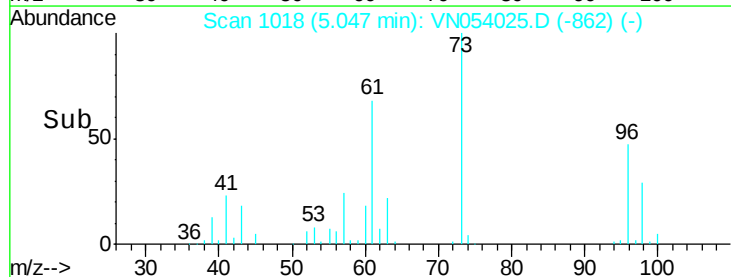
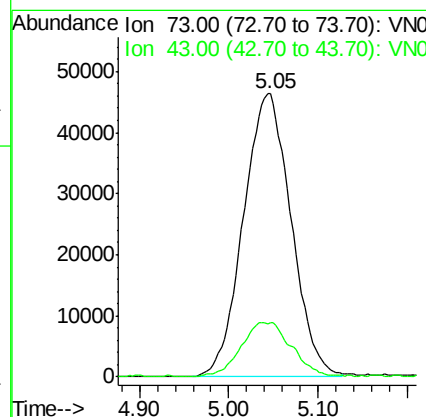
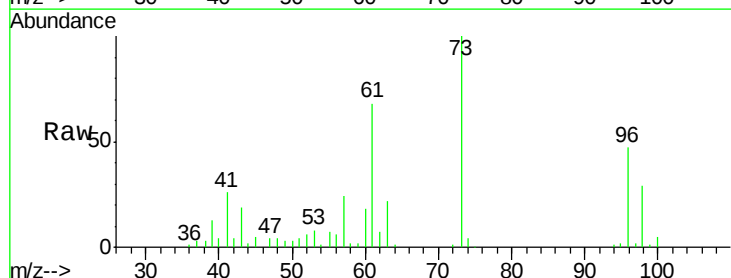
Manual Integrations
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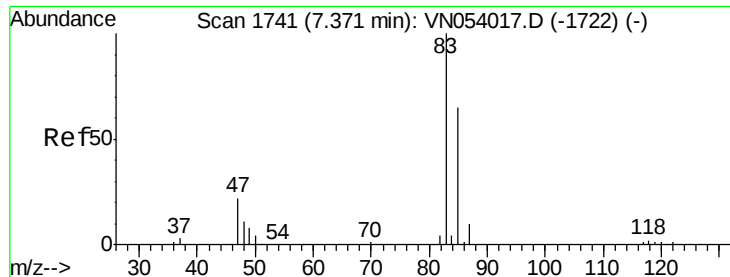
MMDadoda
 3/6/2019 10:23:44 AM



#24
 Methyl tert-Butyl Ether
 Concen: 10.066 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion	73	43	Ratio	100	10.9	Resp	172518	Lower	Upper
Ion	73	43	Ratio	100	10.9	Resp	172518	Lower	Upper





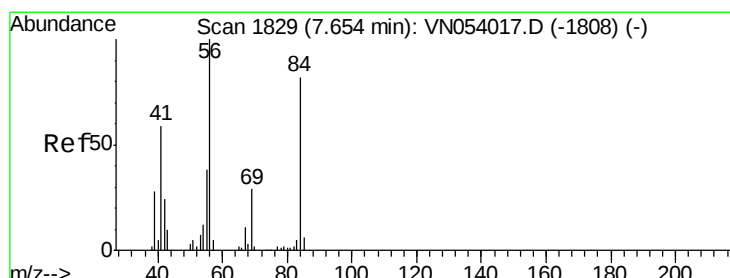
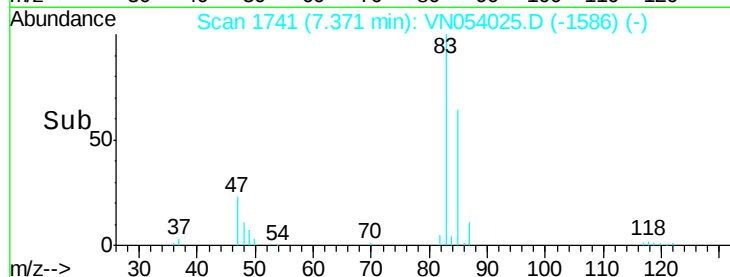
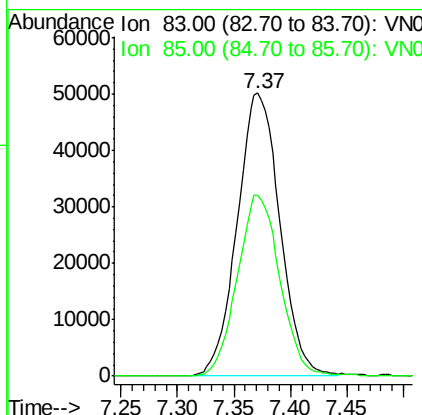
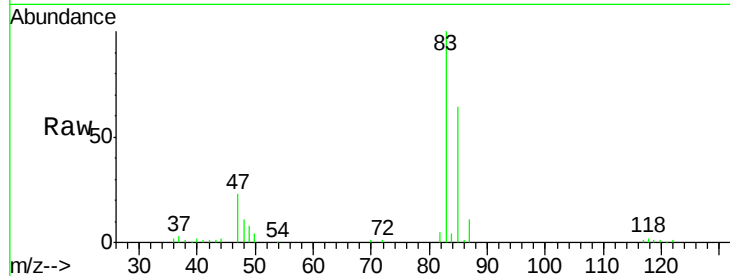
#25
Chloroform
Concen: 10.311 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion: 83 Resp: 131588
Ion Ratio Lower Upper
83 100
85 64.2 51.7 77.5

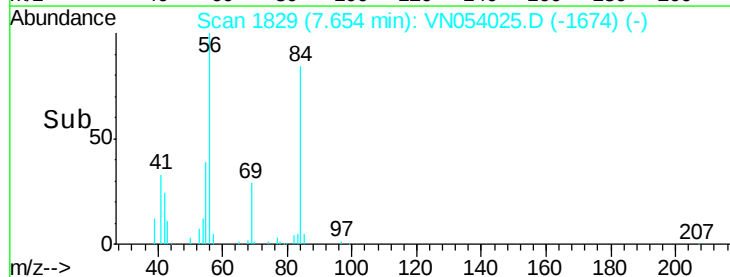
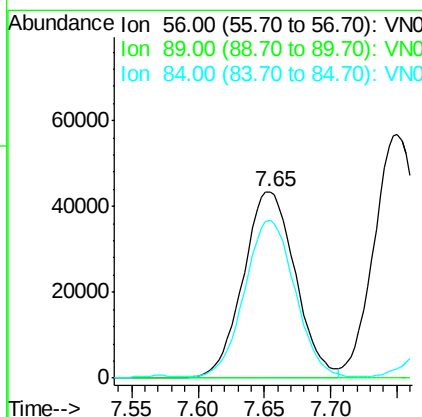
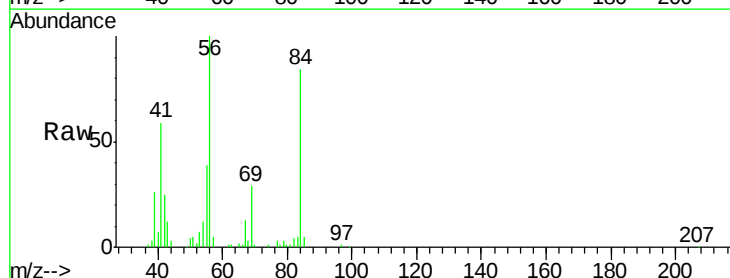
Manual Integrations
APPROVED

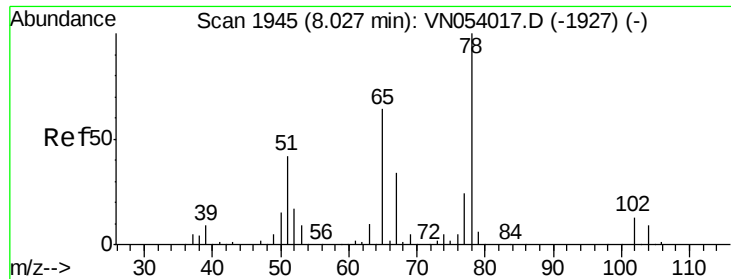
MMDadoda
3/6/2019 10:23:44 AM



#26
Cyclohexane
Concen: 9.846 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion: 56 Resp: 118517
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 82.6 66.2 99.2





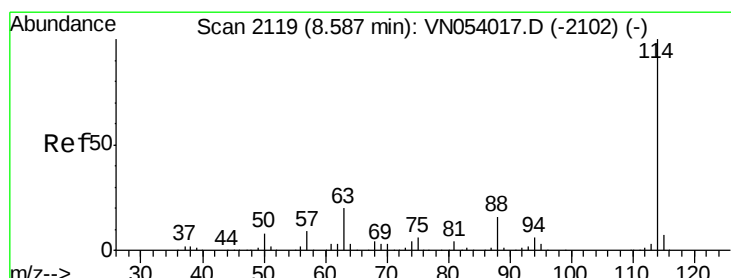
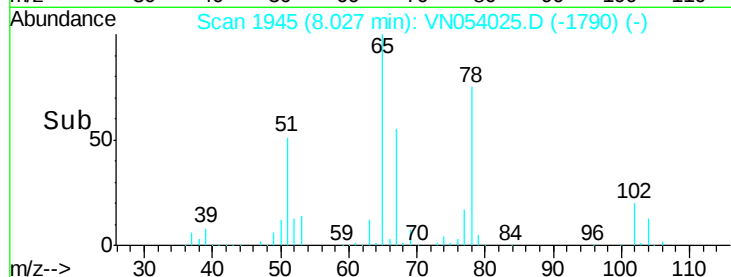
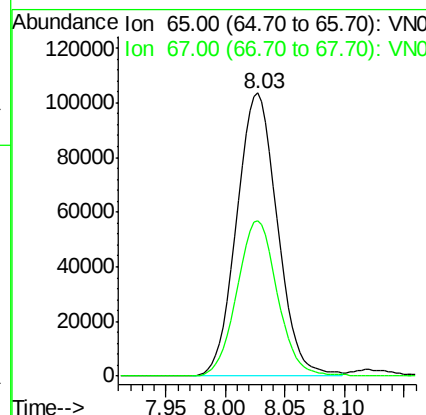
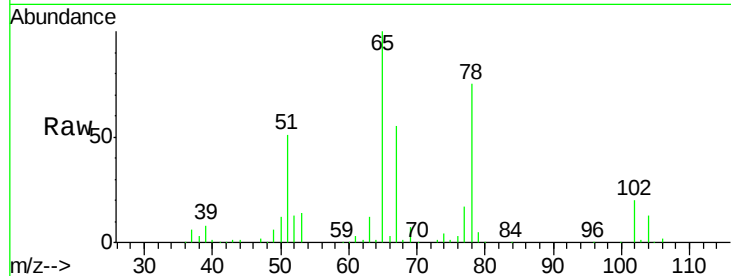
#27
 1,2-Dichloroethane-d4
 Concen: 9.846 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion: 65 Resp: 246053
 Ion Ratio Lower Upper
 65 100
 67 54.6 44.6 66.8

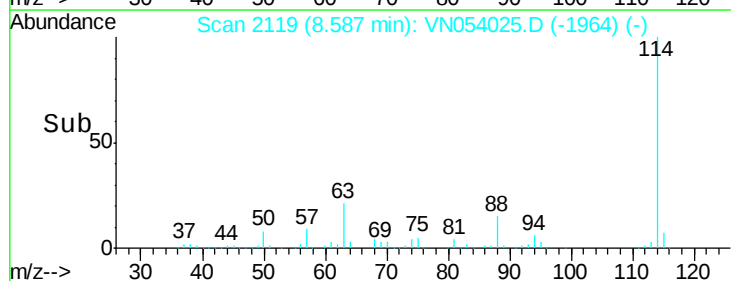
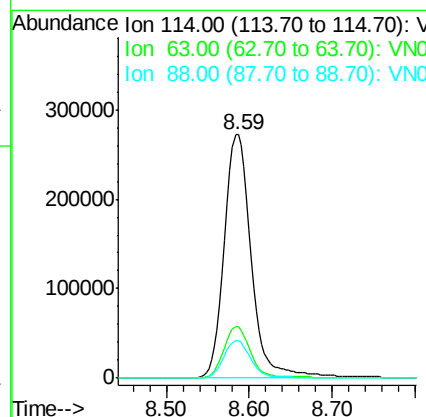
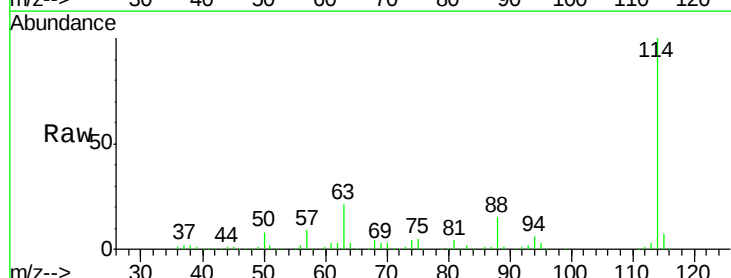
Manual Integrations
 APPROVED

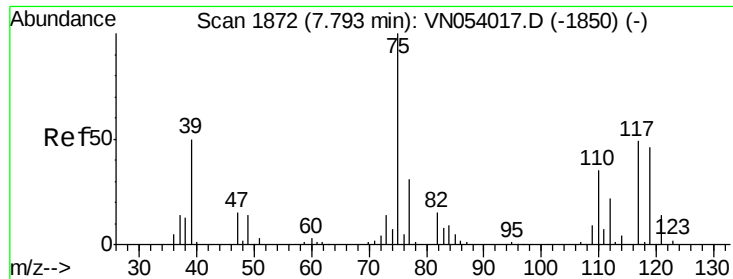
MMDadoda
 3/6/2019 10:23:44 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion: 114 Resp: 618380
 Ion Ratio Lower Upper
 114 100
 63 20.9 16.9 25.3
 88 15.3 12.8 19.2





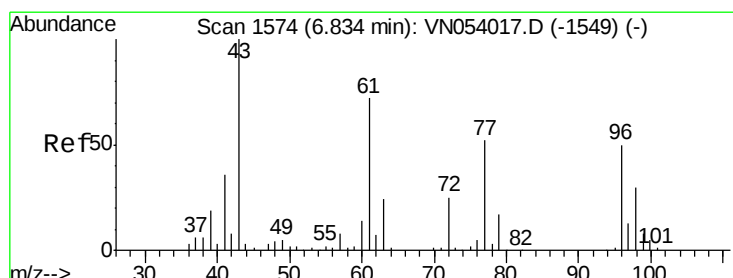
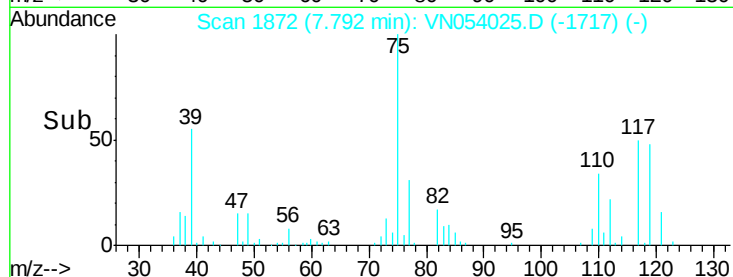
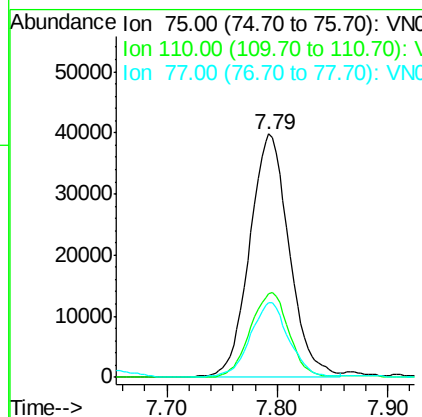
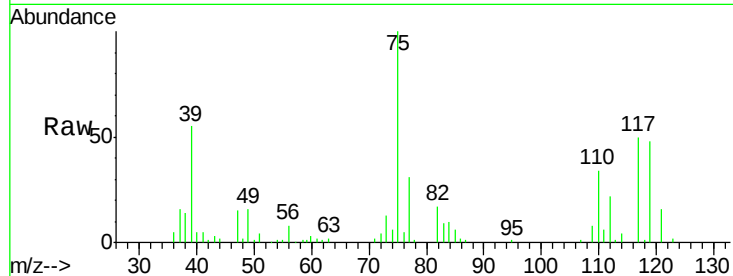
#29
 1,1-Dichloropropene
 Concen: 10.219 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.8	0.0	70.2
77	30.1	0.0	62.6

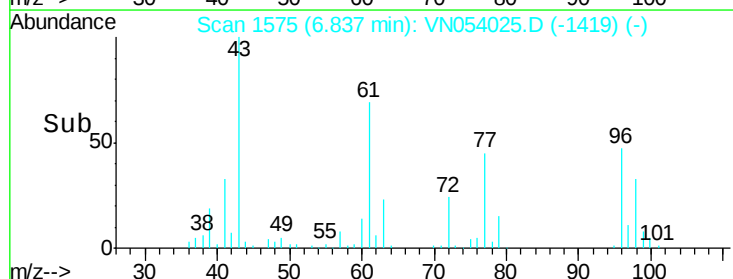
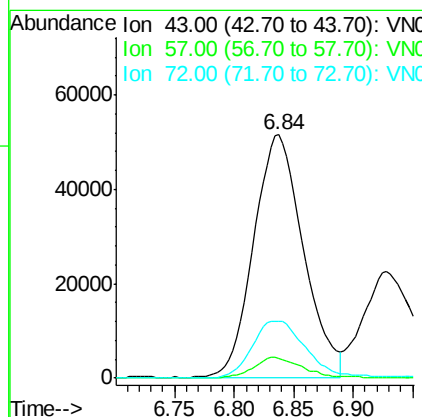
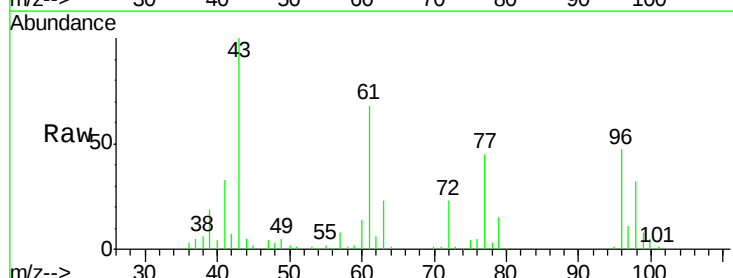
Manual Integrations
 APPROVED

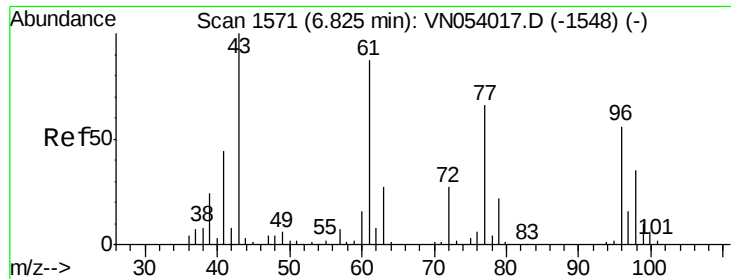
MMDadoda
 3/6/2019 10:23:44 AM



#30
 2-Butanone
 Concen: 48.431 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.2	9.4
72	25.6	21.0	31.6





#31

2,2-Dichloropropane

Concen: 9.748 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 77 Resp: 93108

Ion Ratio Lower Upper

77 100

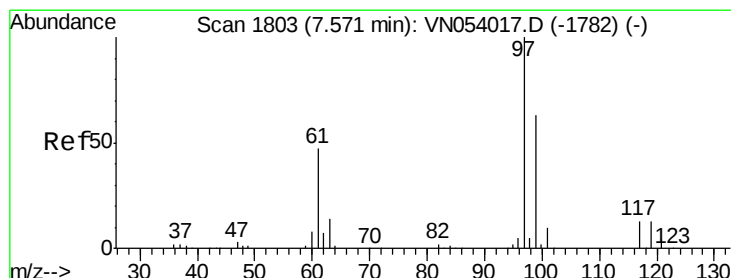
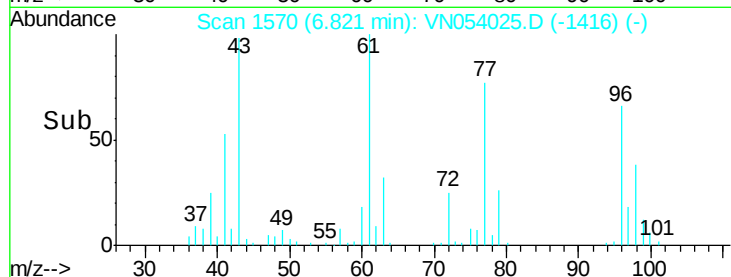
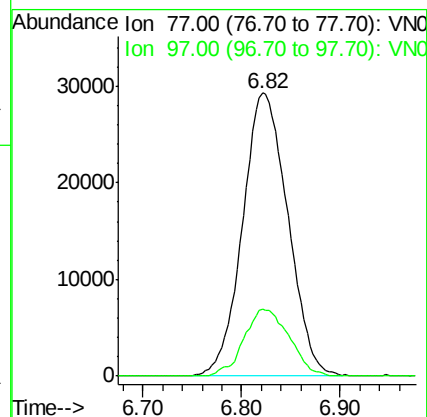
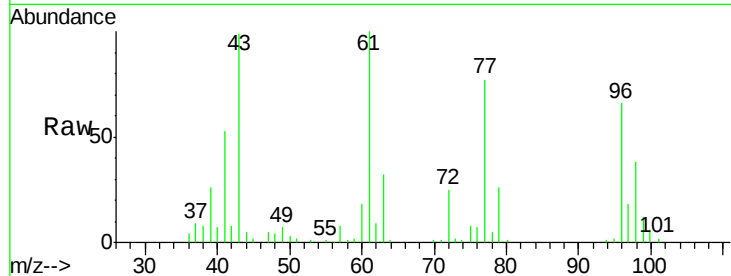
97 23.6 18.7 28.1

Manual Integrations

APPROVED

MMDadoda

3/6/2019 10:23:44 AM



#32

1,1,1-Trichloroethane

Concen: 10.387 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

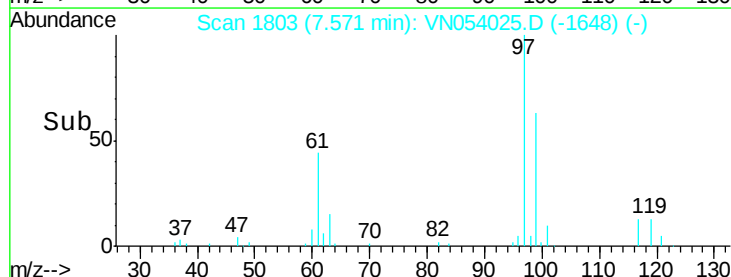
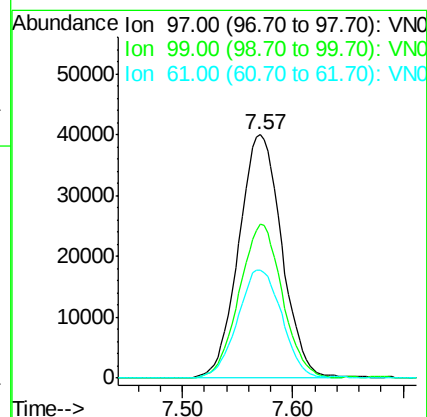
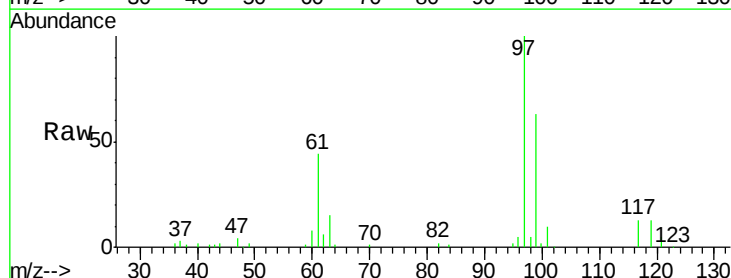
Tgt Ion: 97 Resp: 108219

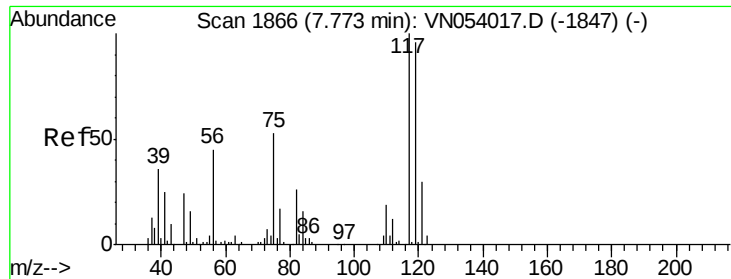
Ion Ratio Lower Upper

97 100

99 63.1 50.9 76.3

61 45.6 38.1 57.1





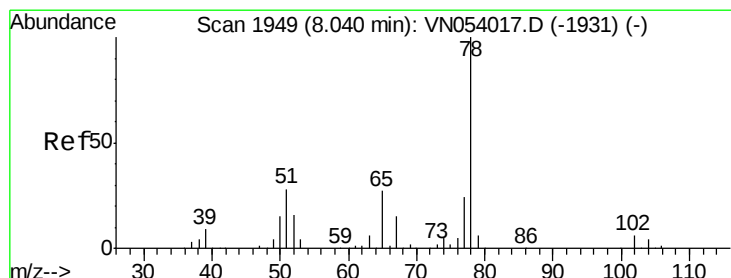
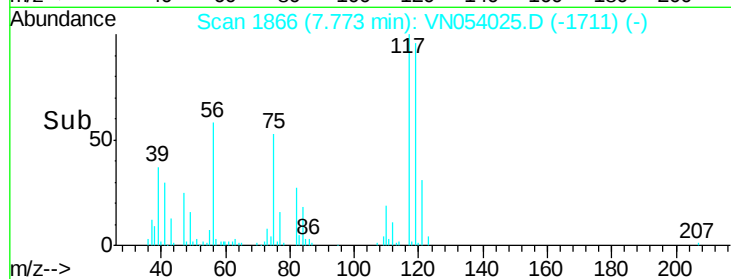
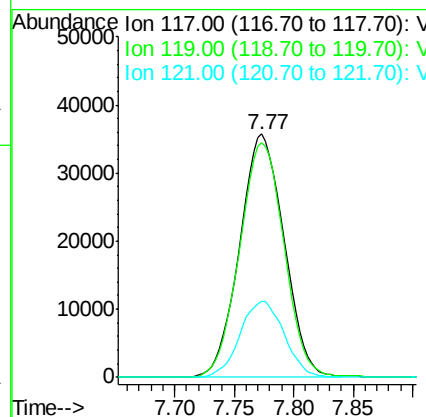
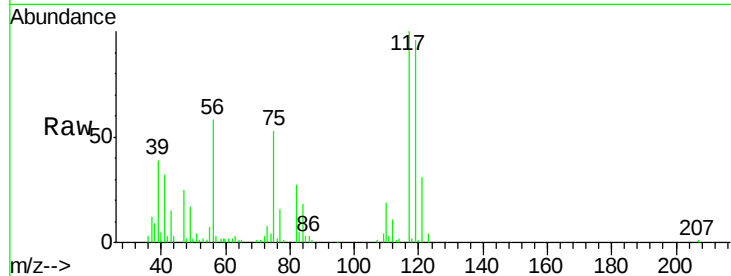
#33
Carbon Tetrachloride
Concen: 10.012 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.3	115.9
121	31.0	24.9	37.3

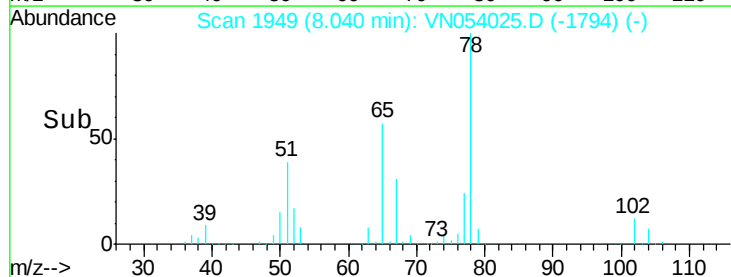
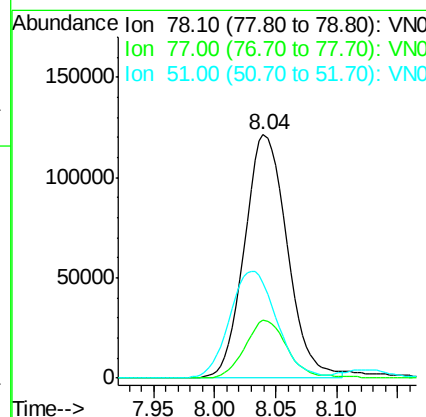
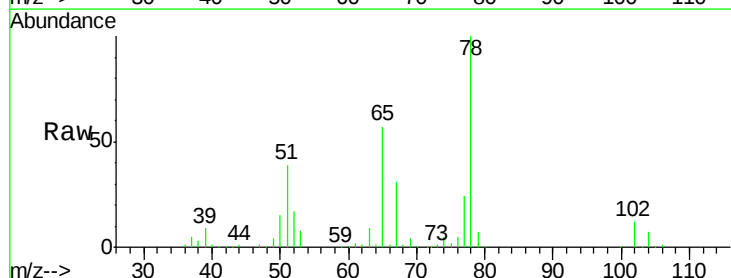
Manual Integrations
APPROVED

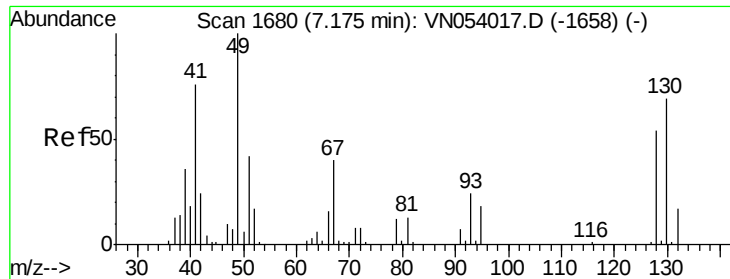
MMDadoda
3/6/2019 10:23:44 AM



#34
Benzene
Concen: 10.247 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6
51	38.5	20.5	30.7#





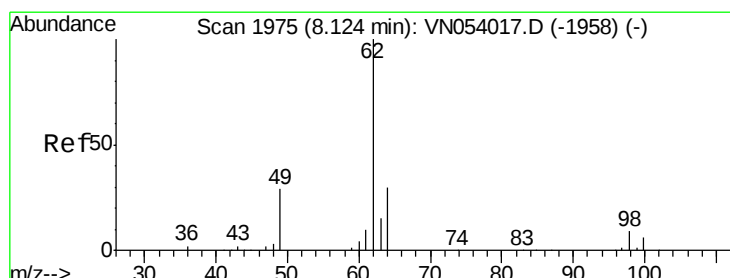
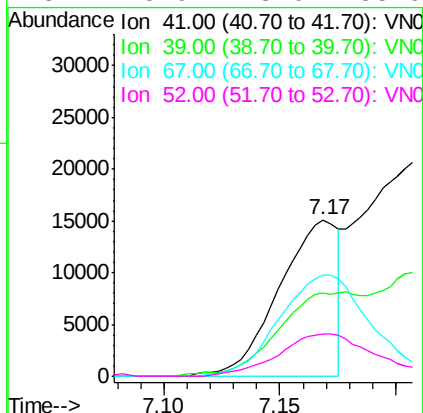
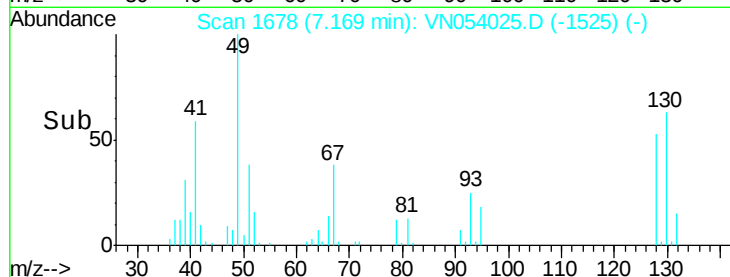
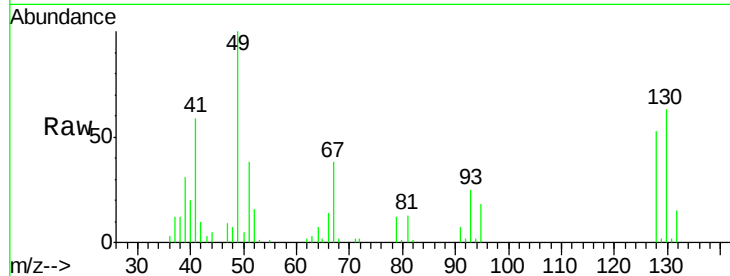
#35
Methacrylonitrile
Concen: 7.765 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.3	26.6	79.7	
67	64.8	32.3	96.9	
52	26.9	13.0	38.9	

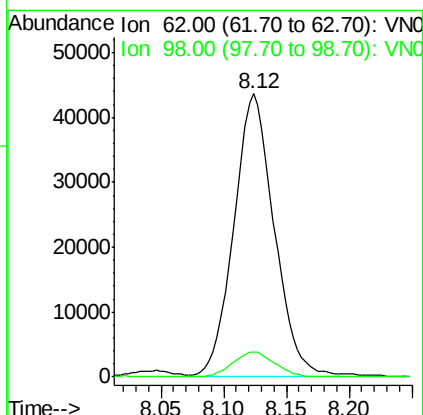
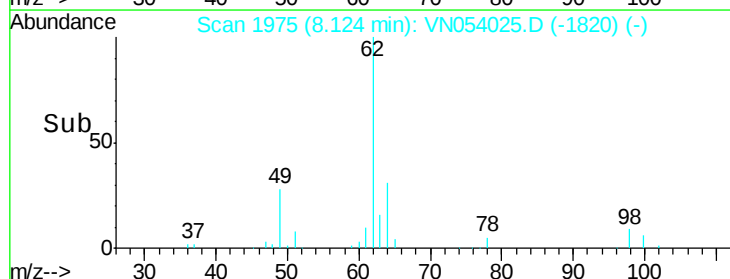
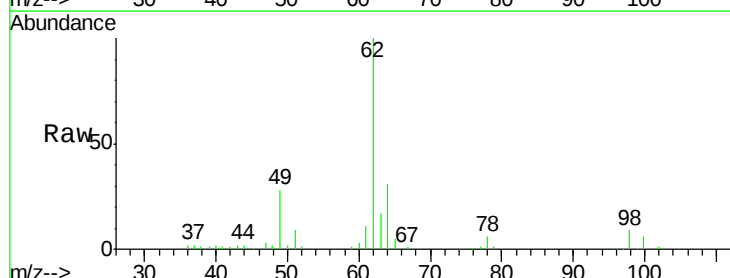
Manual Integrations
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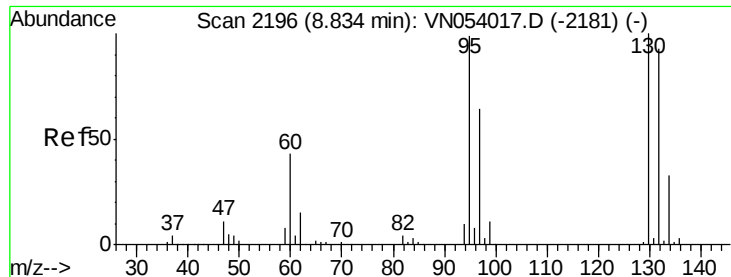
MMDadoda
3/6/2019 10:23:44 AM



#36
1,2-Dichloroethane
Concen: 10.601 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	7.4	11.2	





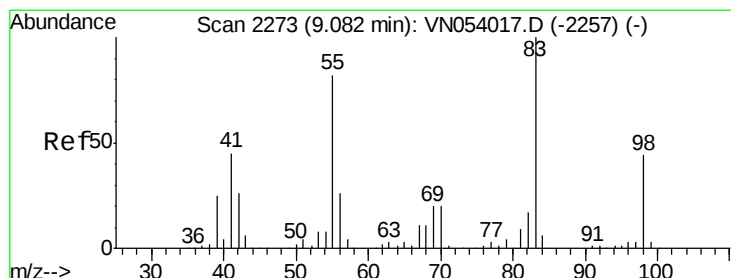
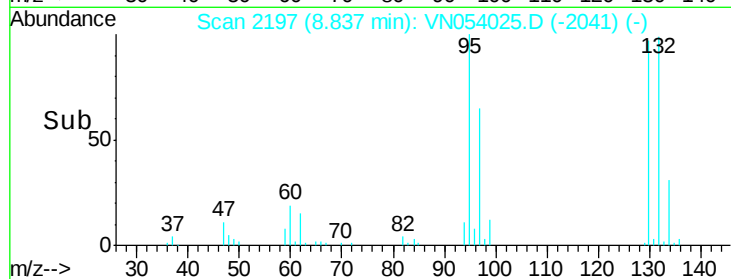
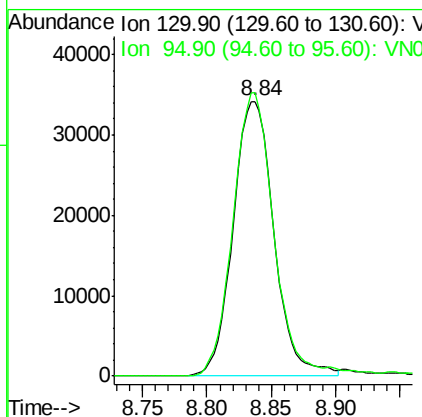
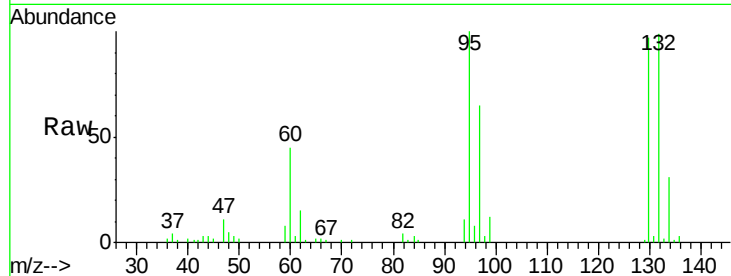
#37
 Trichloroethene
 Concen: 10.049 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion:130 Resp: 75510
 Ion Ratio Lower Upper
 130 100
 95 102.9 81.0 121.4

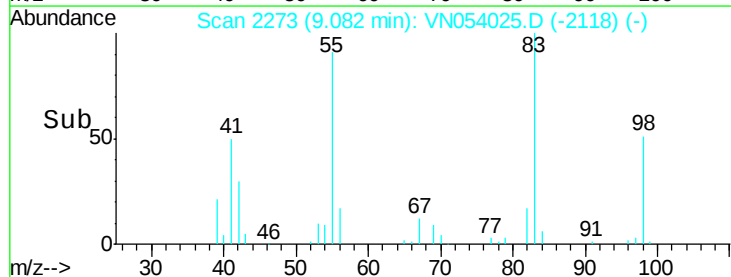
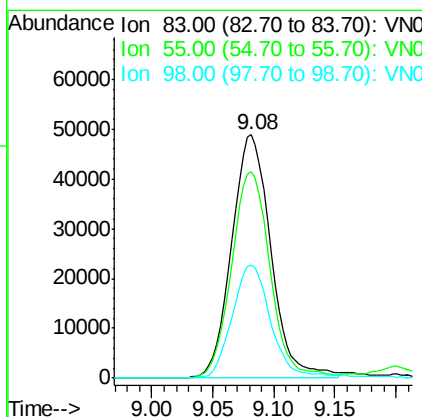
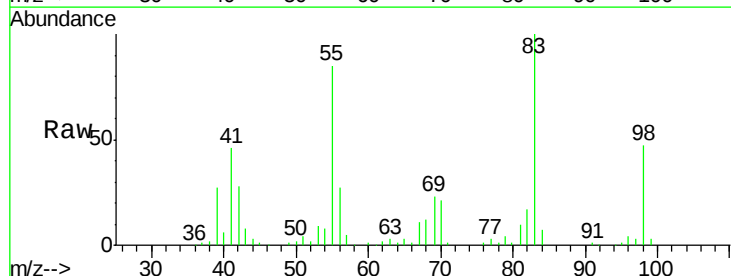
Manual Integrations
 APPROVED

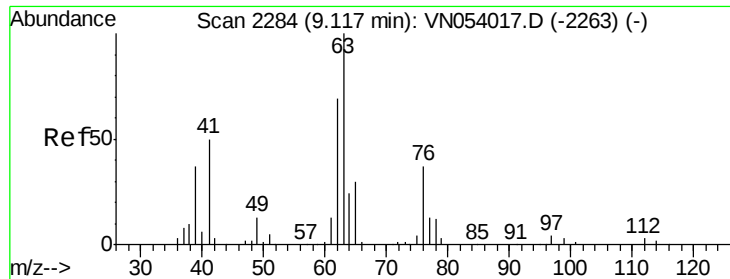
MMDadoda
 3/6/2019 10:23:44 AM



#38
 Methylcyclohexane
 Concen: 9.566 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion: 83 Resp: 109365
 Ion Ratio Lower Upper
 83 100
 55 83.2 39.8 119.4
 98 45.5 22.9 68.5





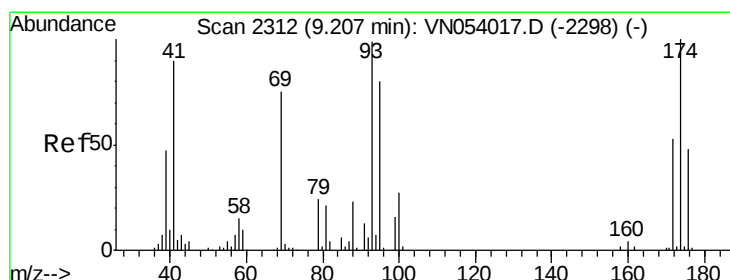
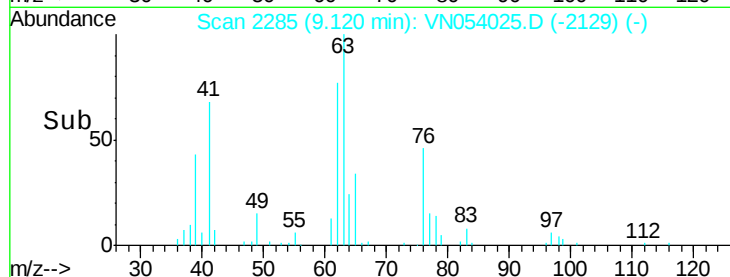
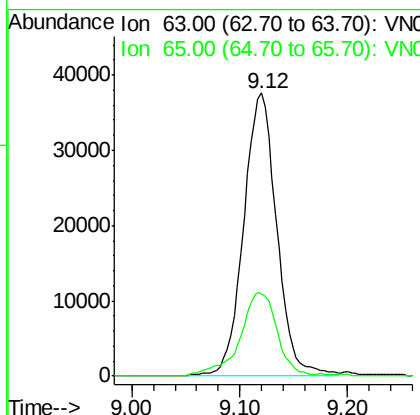
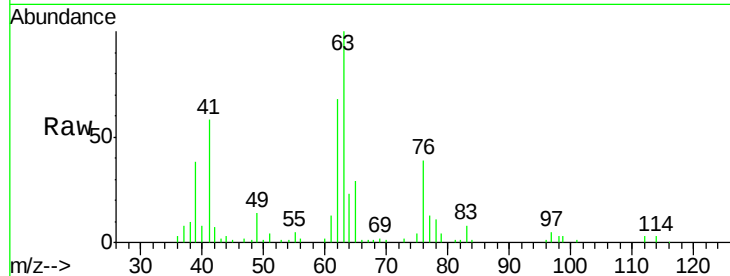
#39
 1,2-Dichloropropane
 Concen: 10.207 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion: 63 Resp: 80494
 Ion Ratio Lower Upper
 63 100
 65 28.5 23.6 35.4

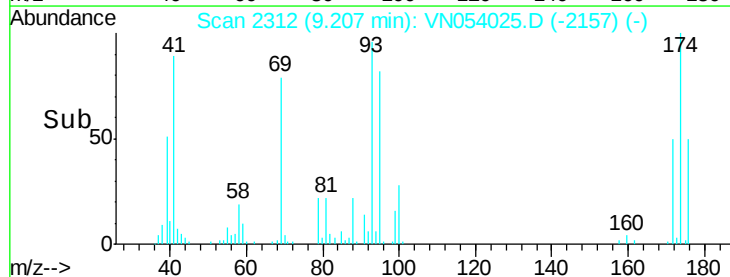
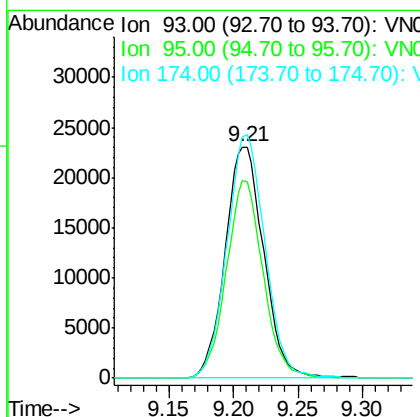
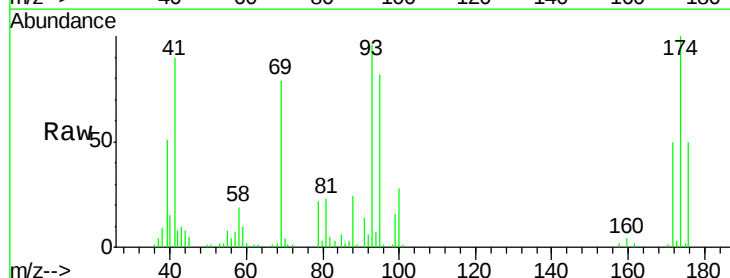
Manual Integrations
 APPROVED

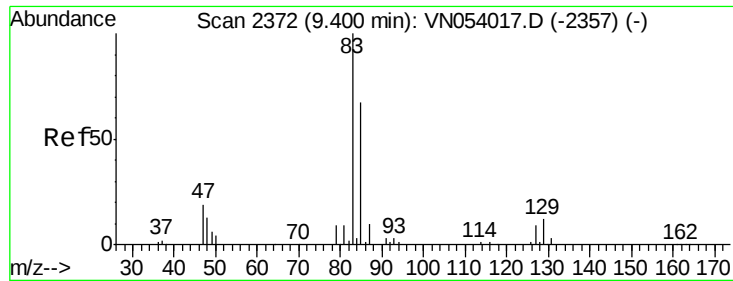
MMDadoda
 3/6/2019 10:23:44 AM



#40
 Dibromomethane
 Concen: 10.596 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion: 93 Resp: 47902
 Ion Ratio Lower Upper
 93 100
 95 81.0 0.0 168.4
 174 103.6 0.0 210.0





#41

Bromodichloromethane

Concen: 10.148 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

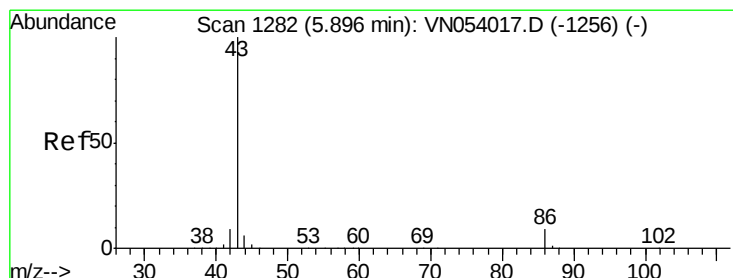
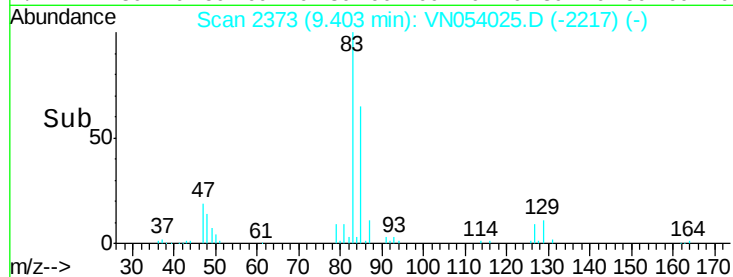
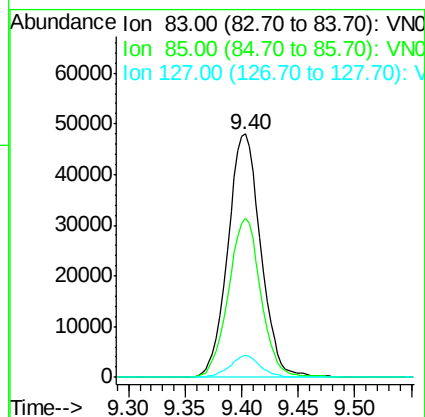
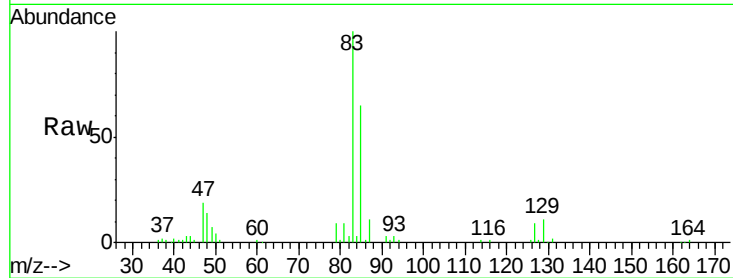
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	83	Resp:	97345
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.4	78.6
127	10.0	6.6	9.8#

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#42

Vinyl Acetate

Concen: 48.736 ug/l

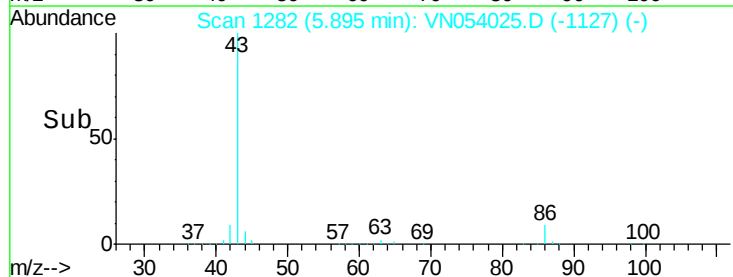
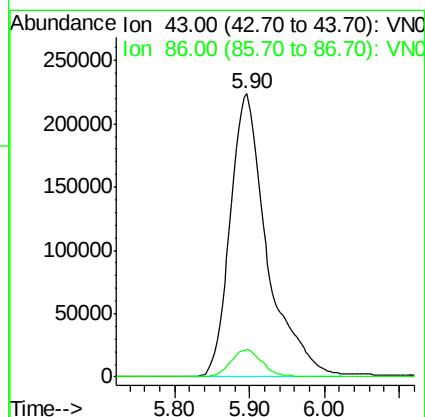
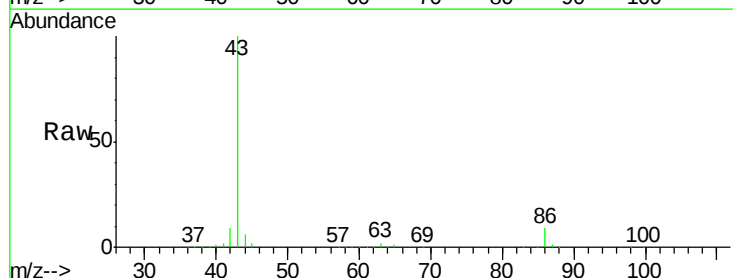
RT: 5.90 min Scan# 1282

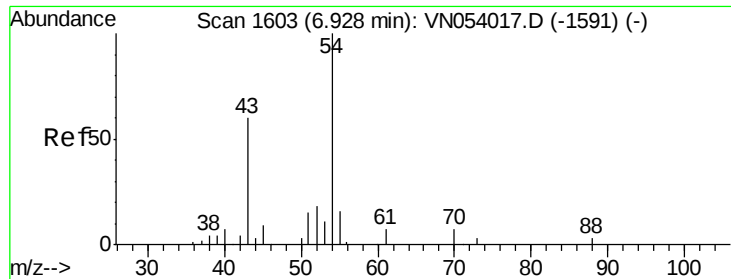
Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Tgt Ion:	43	Resp:	770019
Ion Ratio	Lower	Upper	
43	100		
86	8.3	6.5	9.7





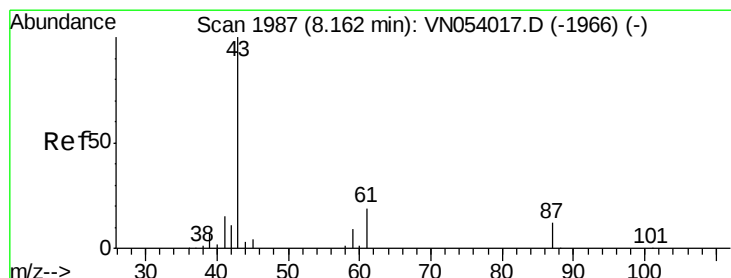
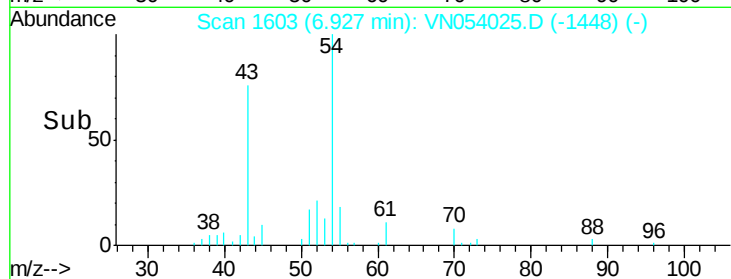
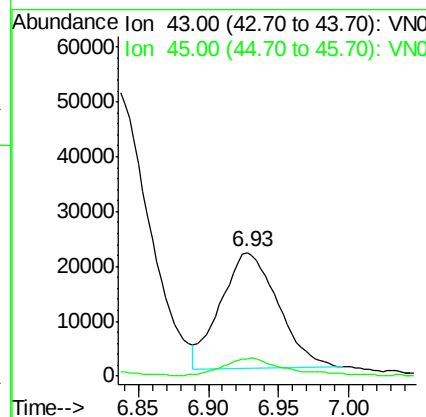
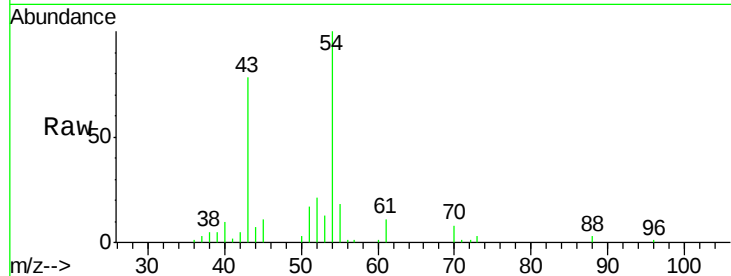
#43
Ethyl Acetate
Concen: 9.387 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion: 43 Resp: 60131
Ion Ratio Lower Upper
43 100
45 13.6 1.0 1.6#

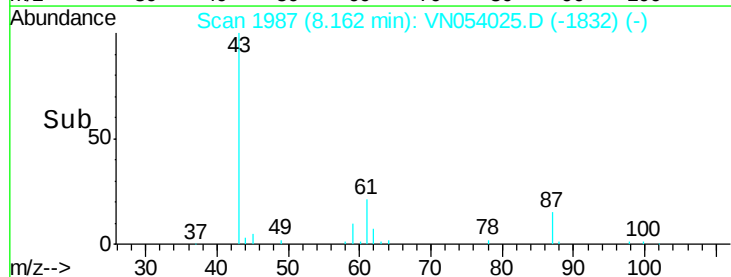
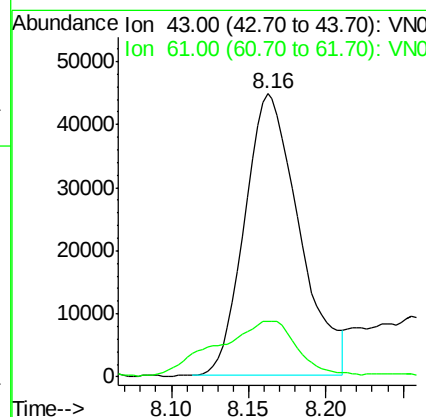
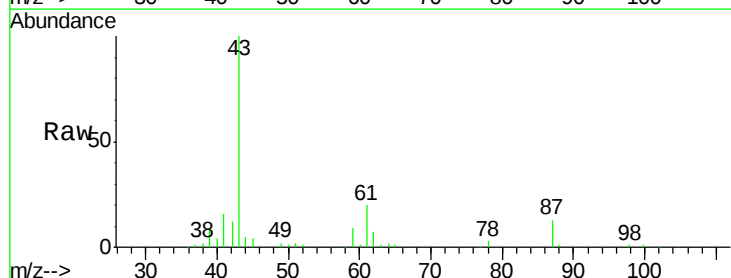
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APPROVED

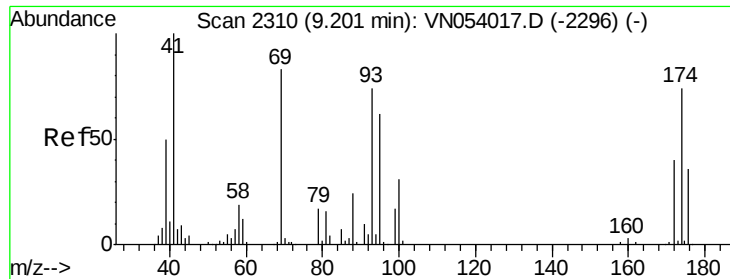
MMDadoda
3/6/2019 10:23:44 AM



#44
Isopropyl Acetate
Concen: 9.767 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion: 43 Resp: 109788
Ion Ratio Lower Upper
43 100
61 29.4 16.0 24.0#





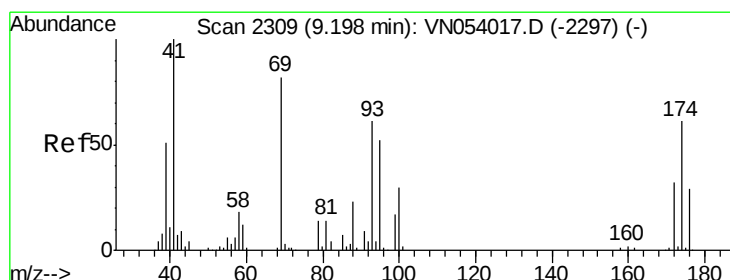
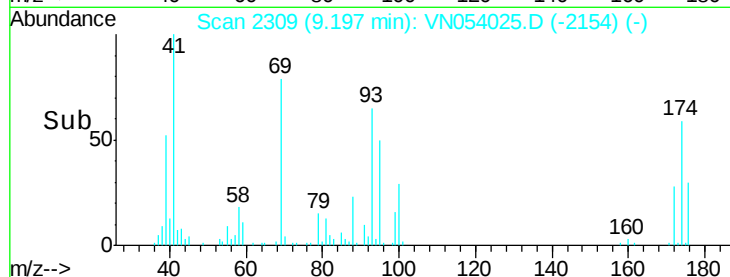
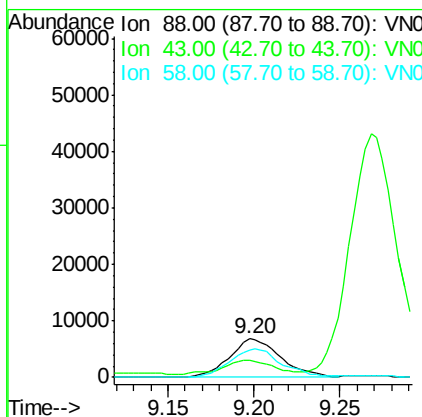
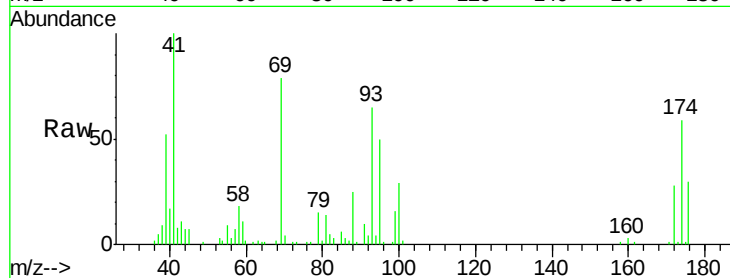
#45
 1,4-Dioxane
 Concen: 228.959 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	88	Resp	14053
Ion	Ratio	Lower	Upper
88	100		
43	35.1	29.5	44.3
58	74.9	61.5	92.3

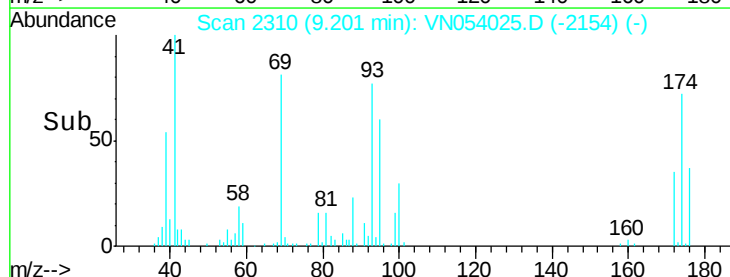
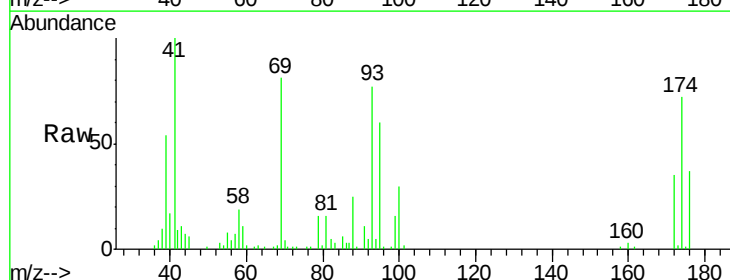
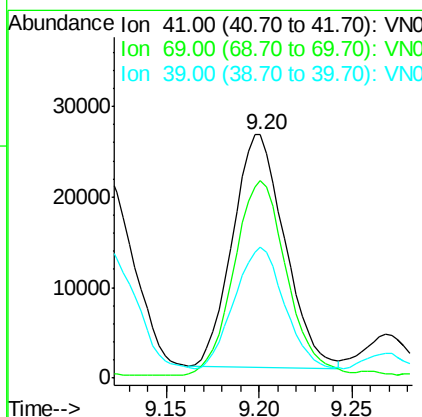
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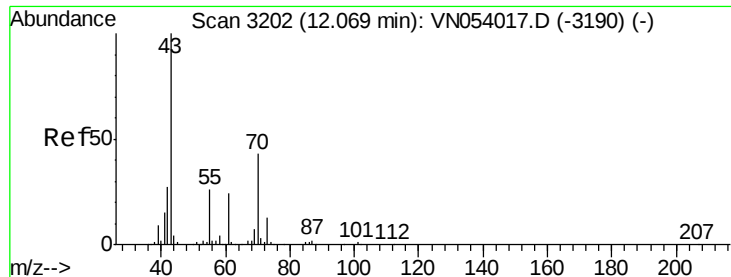
MMDadoda
 3/6/2019 10:23:44 AM



#46
 Methyl methacrylate
 Concen: 9.301 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion	41	Resp	50219
Ion	Ratio	Lower	Upper
41	100		
69	83.9	42.5	127.6
39	52.1	26.3	78.9





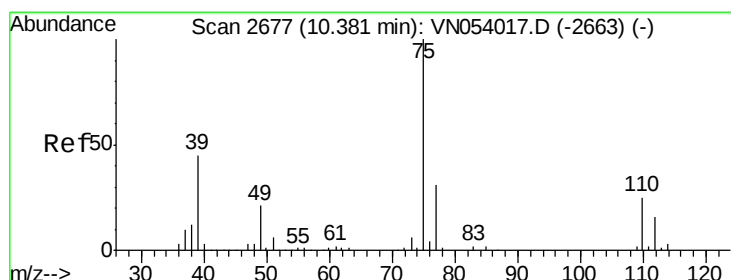
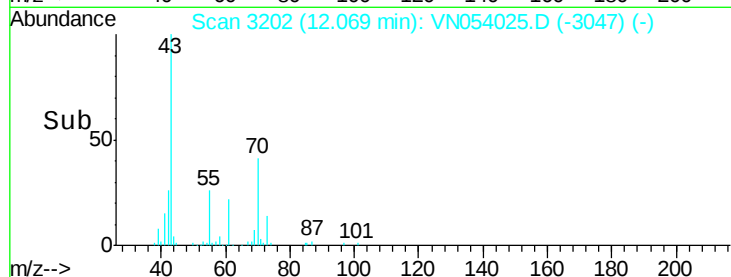
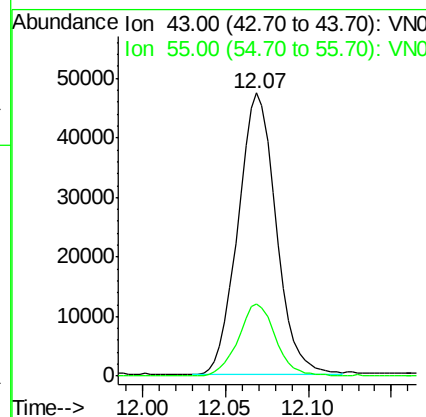
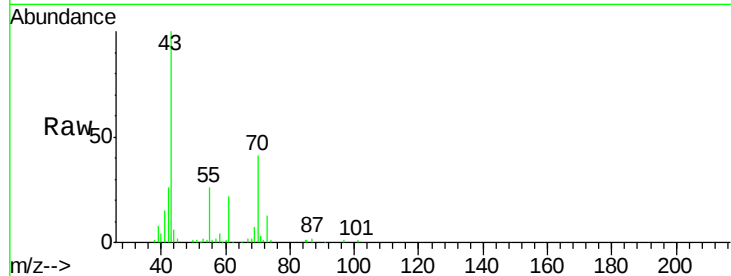
#47
n-amyl Acetate
Concen: 9.105 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion: 43 Resp: 75177
Ion Ratio Lower Upper
43 100
55 25.3 21.1 31.7

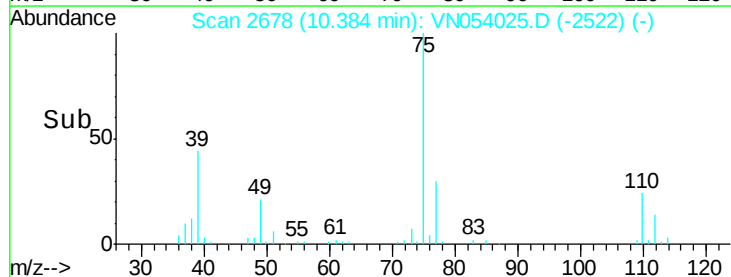
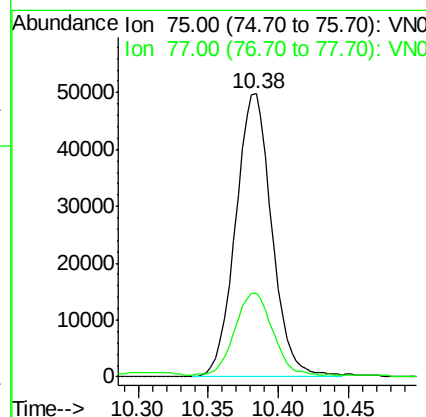
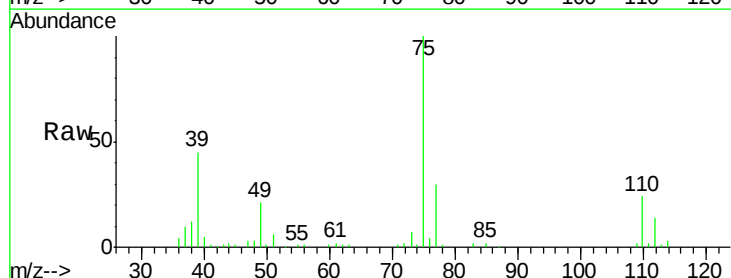
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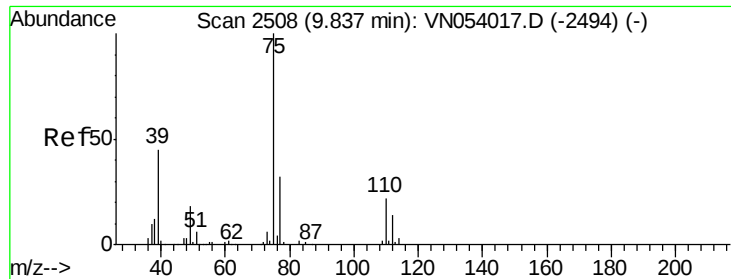
MMDadoda
3/6/2019 10:23:44 AM



#48
t-1,3-Dichloropropene
Concen: 9.327 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion: 75 Resp: 89710
Ion Ratio Lower Upper
75 100
77 28.8 25.6 38.4





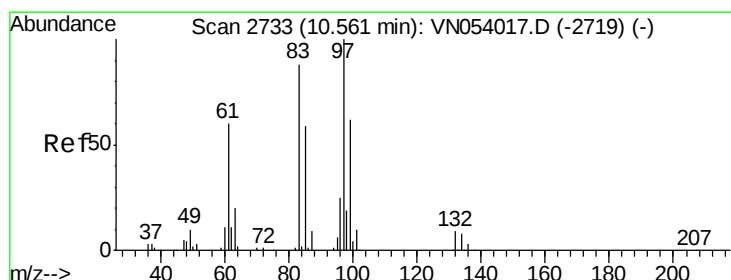
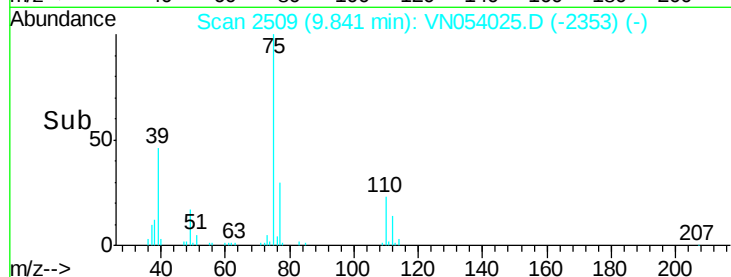
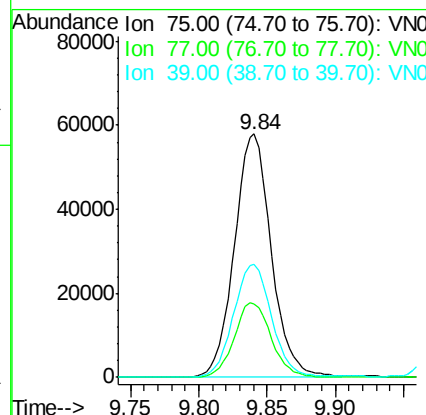
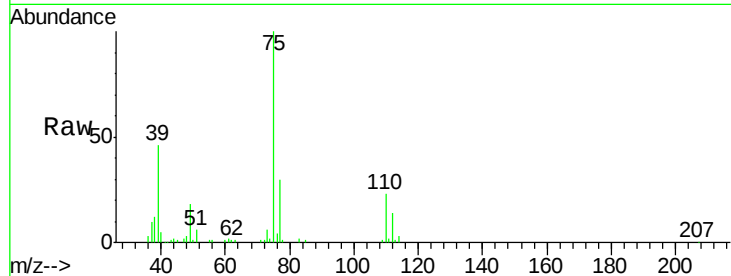
#49
 cis-1,3-Dichloropropene
 Concen: 9.639 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.4	38.0
39	46.3	37.3	55.9

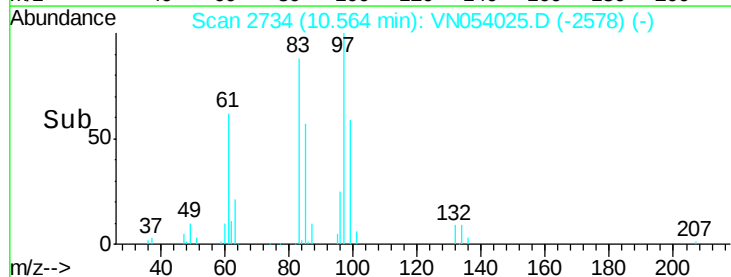
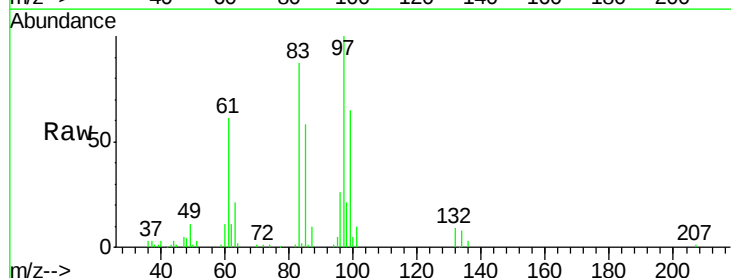
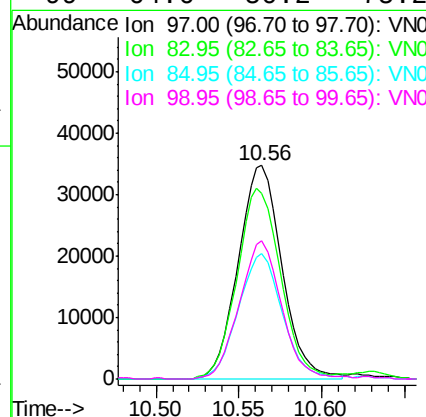
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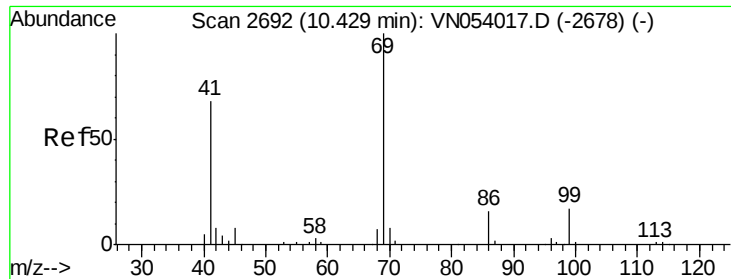
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 10.060 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.4	105.6
85	58.5	45.0	67.6
99	64.6	50.2	75.2





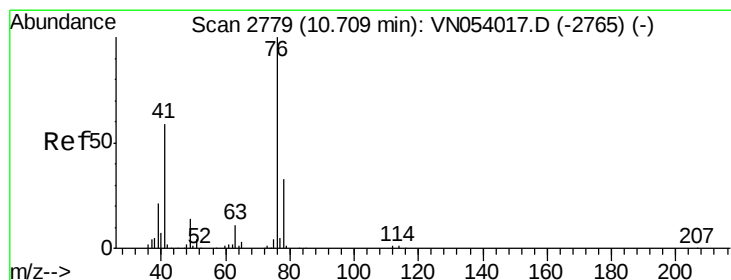
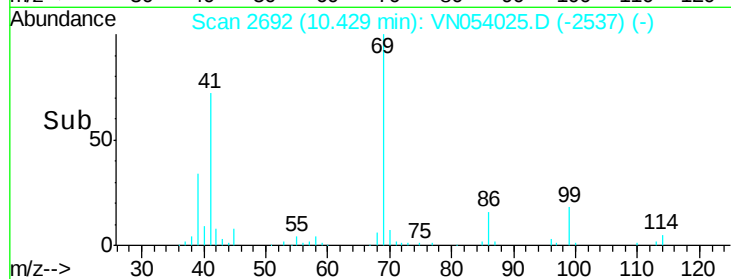
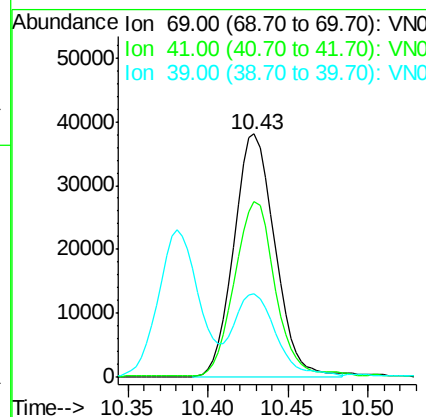
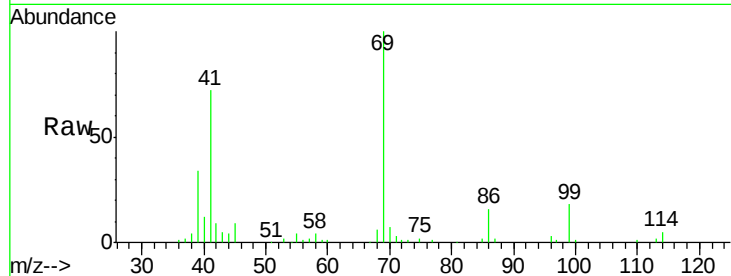
#51
Ethyl methacrylate
Concen: 8.778 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
69	100		
41	71.7	34.4	103.3
39	33.3	16.4	49.2

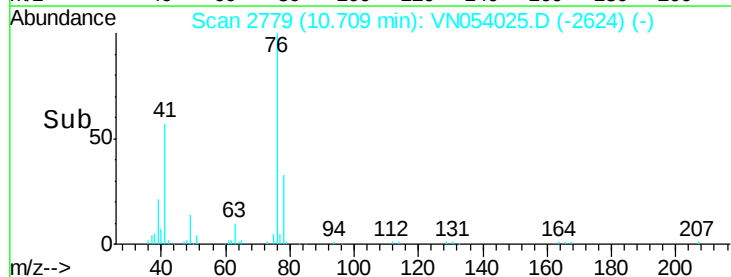
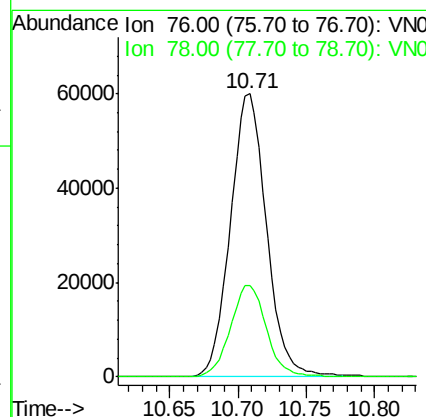
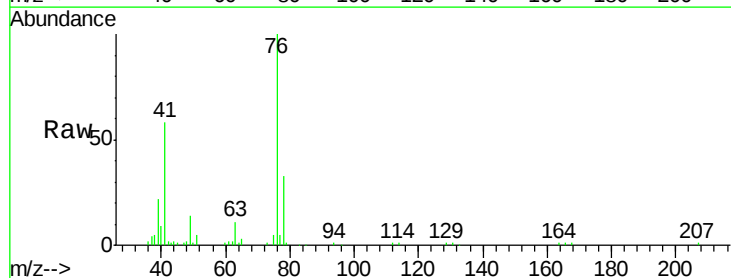
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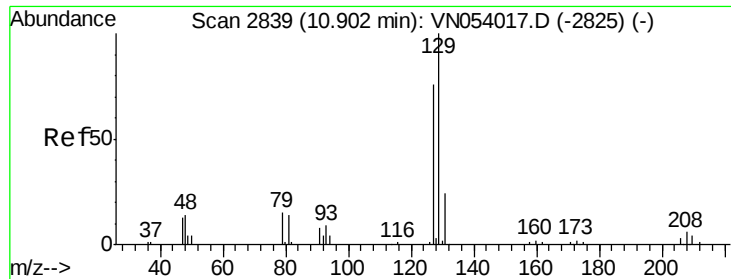
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#52
1,3-Dichloropropane
Concen: 10.151 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	64.8





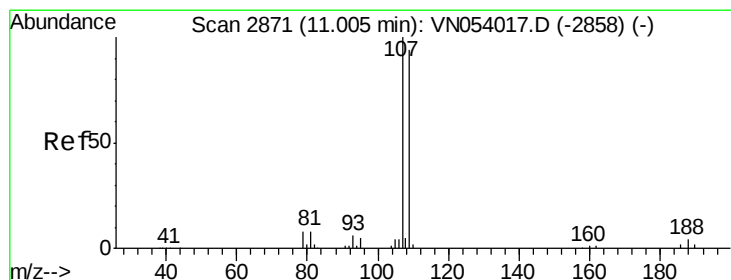
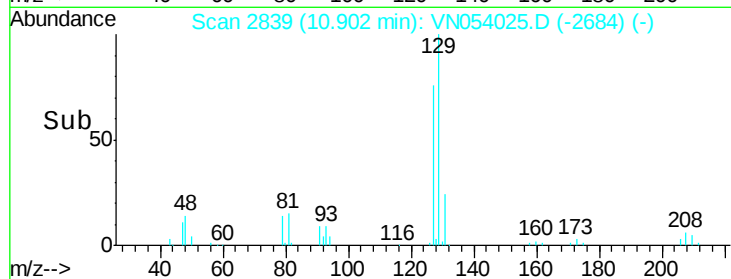
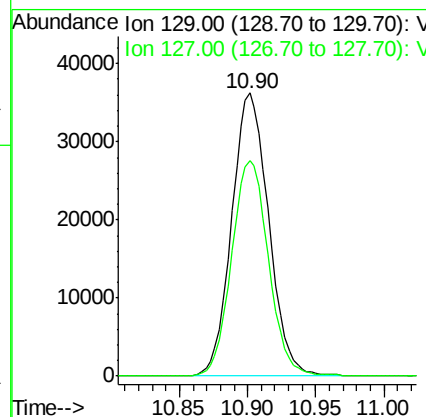
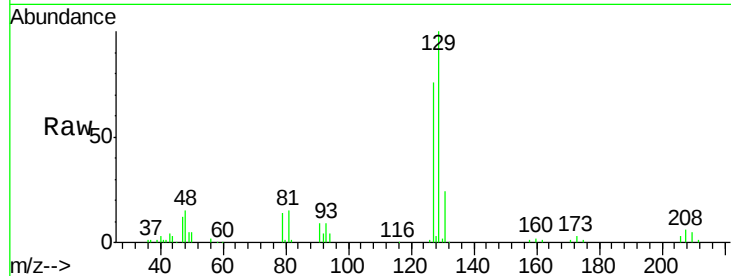
#53
Dibromochloromethane
Concen: 9.801 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion:129 Resp: 68295
Ion Ratio Lower Upper
129 100
127 75.7 37.6 112.8

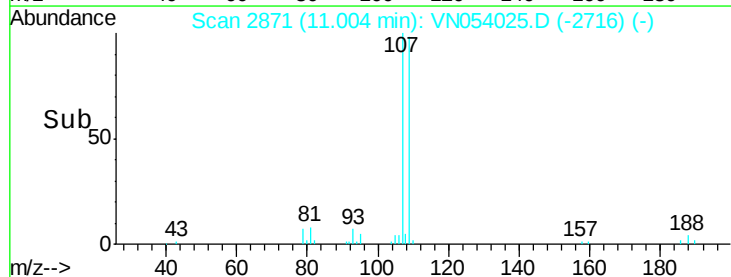
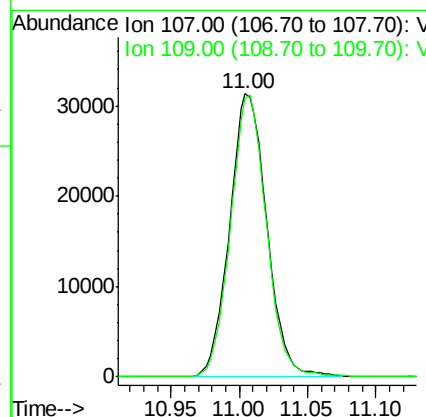
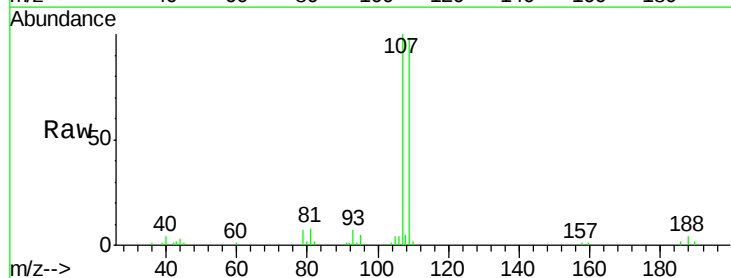
Manual Integrations
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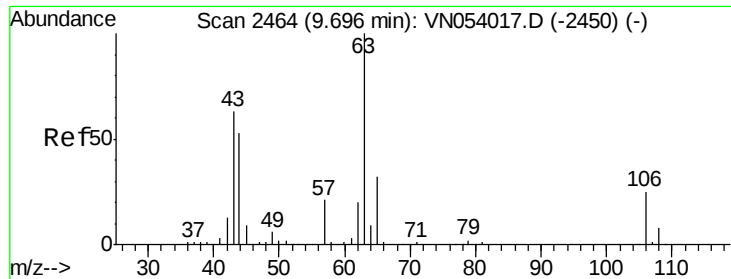
MMDadoda
3/6/2019 10:23:44 AM



#54
1,2-Dibromoethane
Concen: 9.820 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion:107 Resp: 59322
Ion Ratio Lower Upper
107 100
109 95.7 77.1 115.7





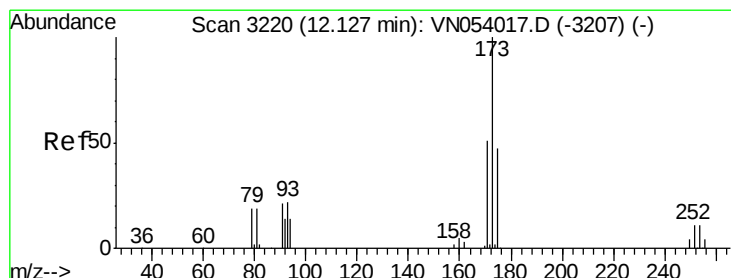
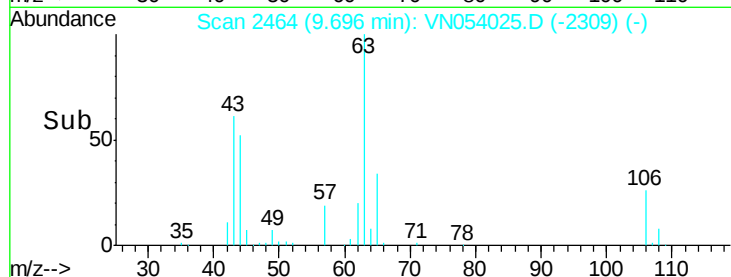
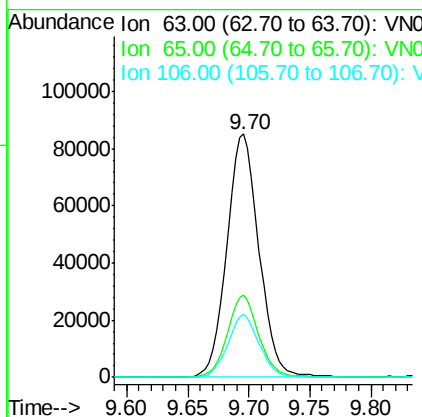
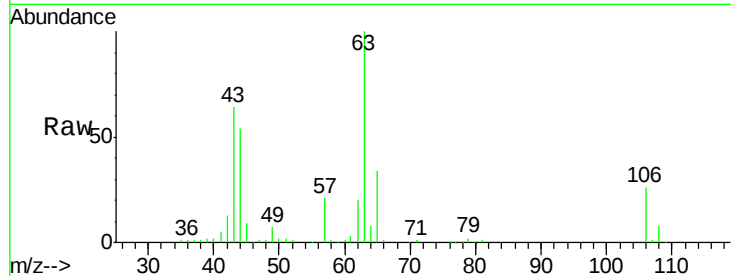
#55
2-Chloroethyl vinyl ether
Concen: 44.210 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.4	38.2
106	25.2	20.4	30.6

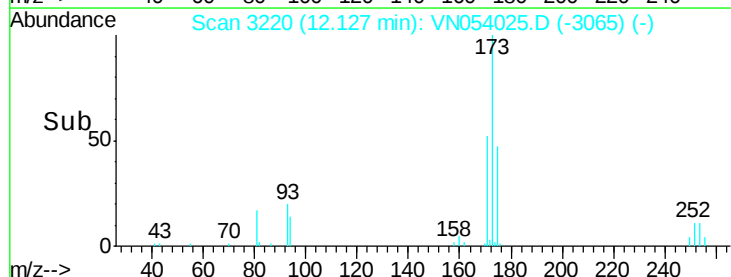
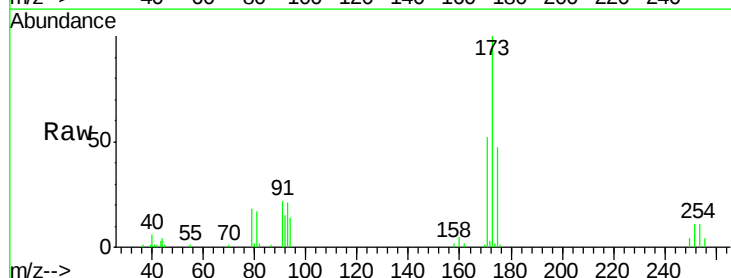
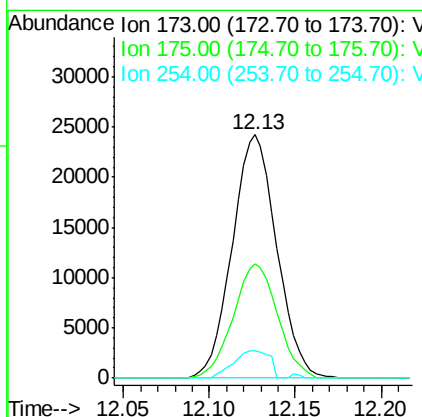
Manual Integrations
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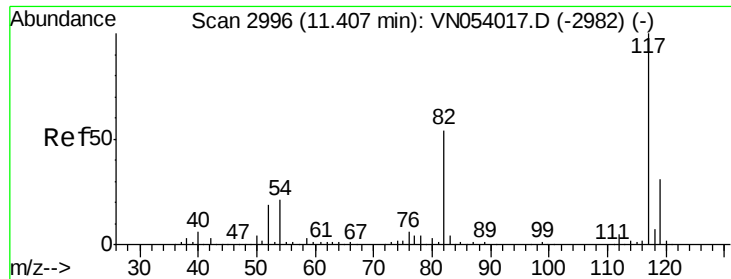
MMDadoda
3/6/2019 10:23:44 AM



#56
Bromoform
Concen: 9.383 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.8	38.7	58.1
254	9.2	8.4	12.6





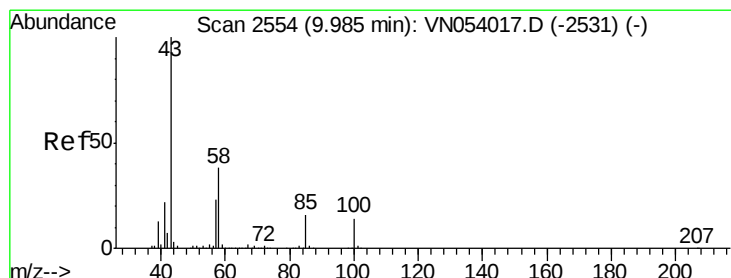
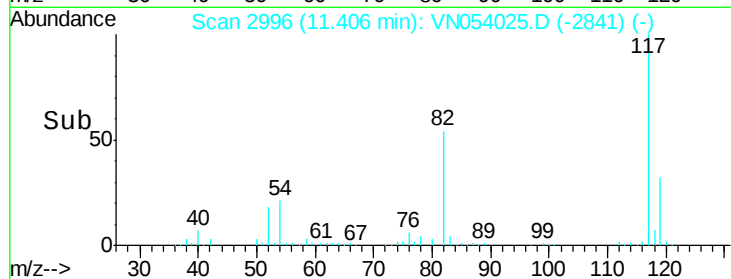
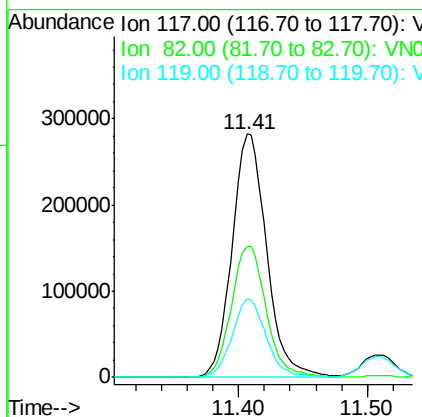
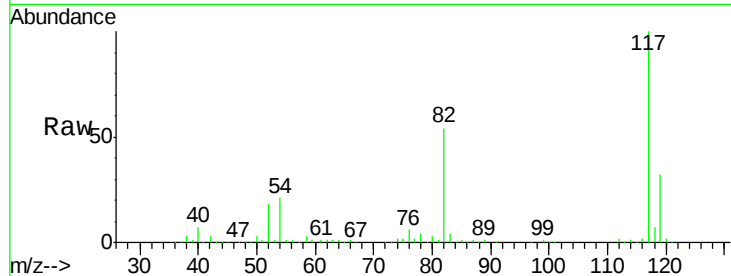
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.2	66.2
119	31.9	25.4	38.2

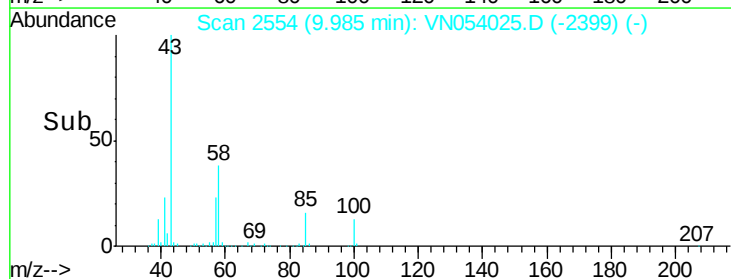
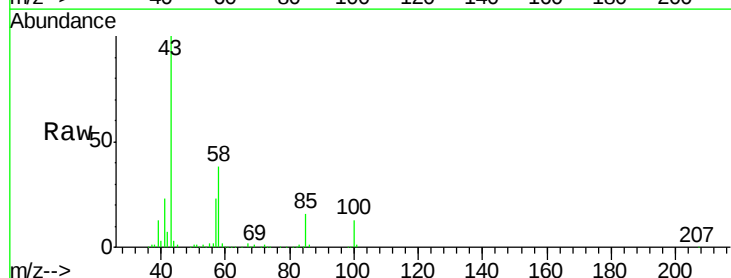
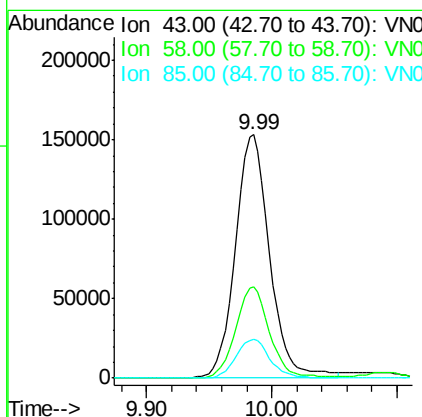
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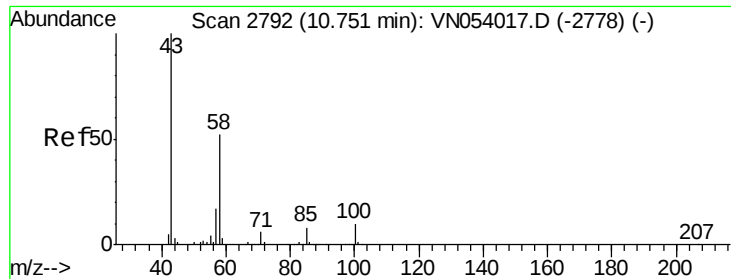
MMDadoda
3/6/2019 10:23:44 AM



#58
4-Methyl-2-Pentanone
Concen: 48.526 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	31.6	47.4
85	15.9	13.3	19.9





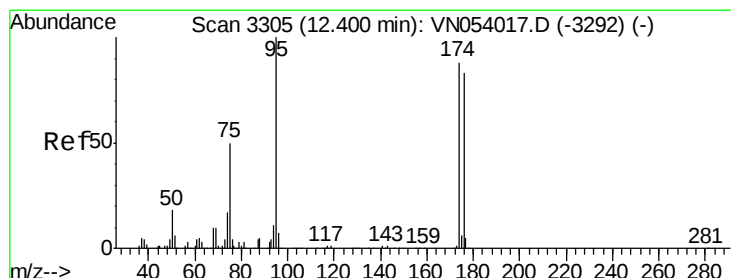
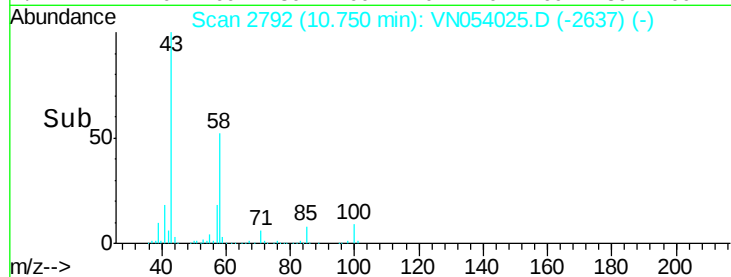
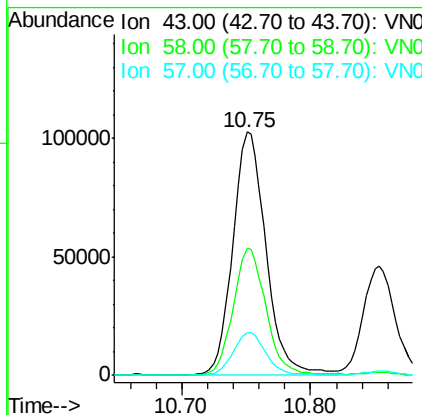
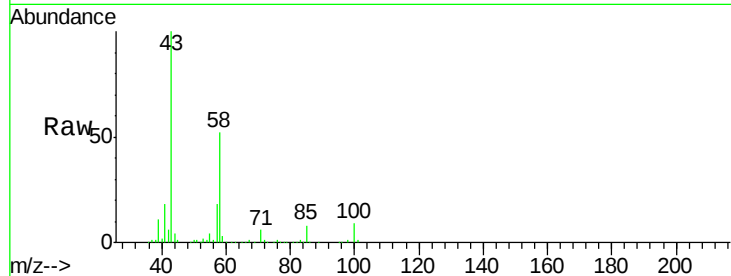
#59
2-Hexanone
Concen: 47.117 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	43.2	64.8
57	17.4	14.9	22.3

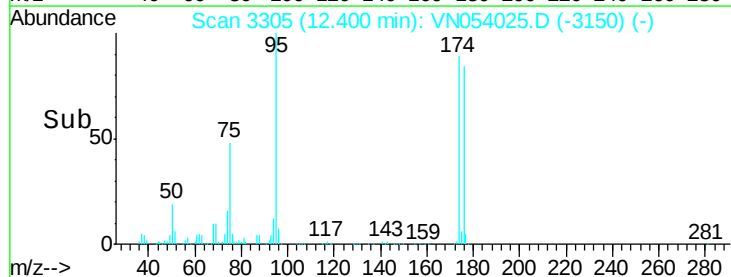
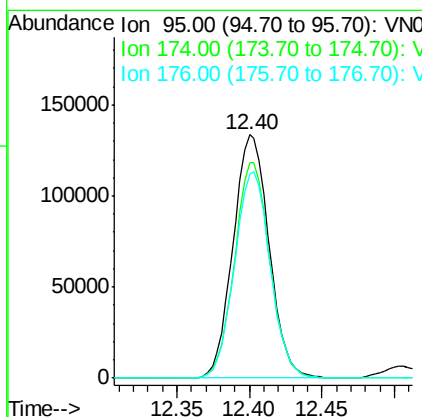
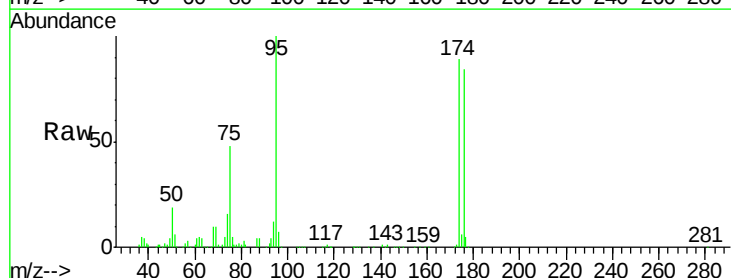
Manual Integrations
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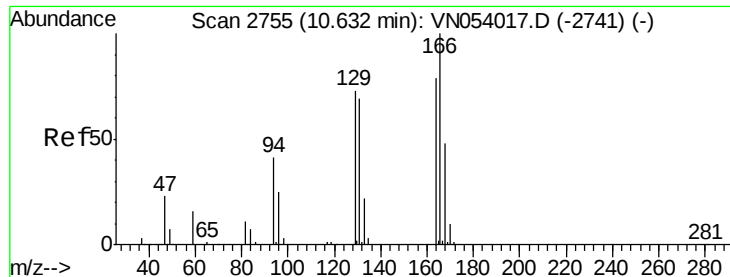
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 47.117 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.1	67.9	101.9
176	84.0	66.4	99.6





#61

Tetrachloroethene

Concen: 10.398 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:164 Resp: 76029

Ion Ratio Lower Upper

164 100

166 129.6 104.6 157.0

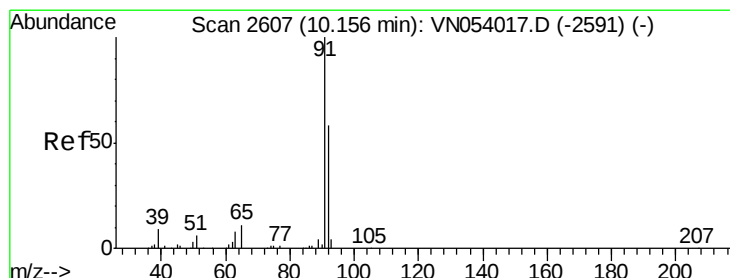
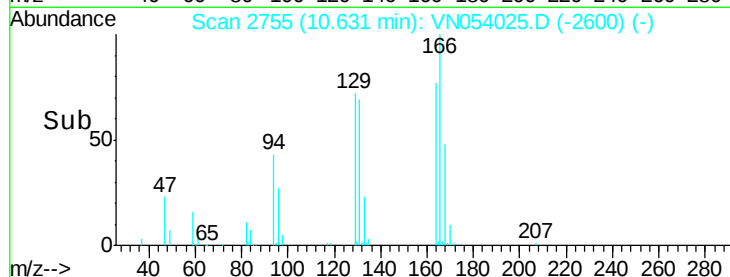
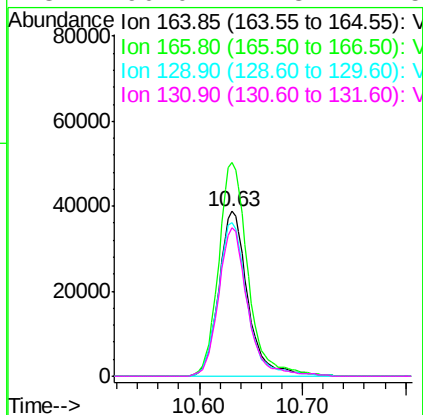
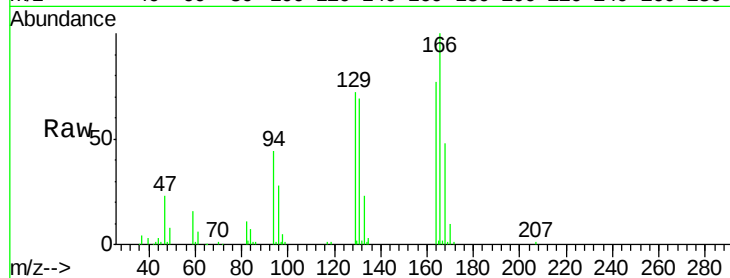
129 93.5 75.3 112.9

131 90.0 74.3 111.5

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#62

Toluene

Concen: 10.404 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054025.D

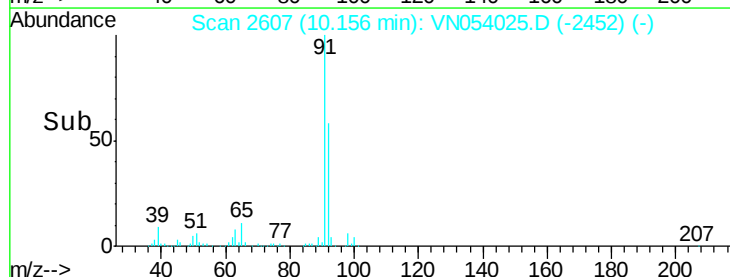
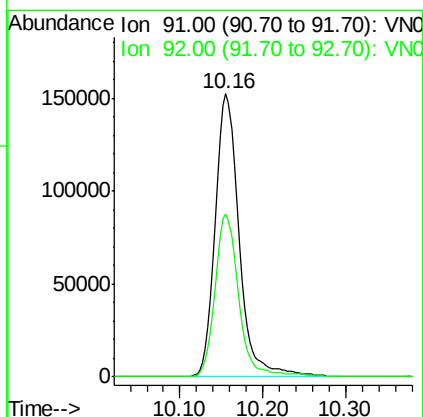
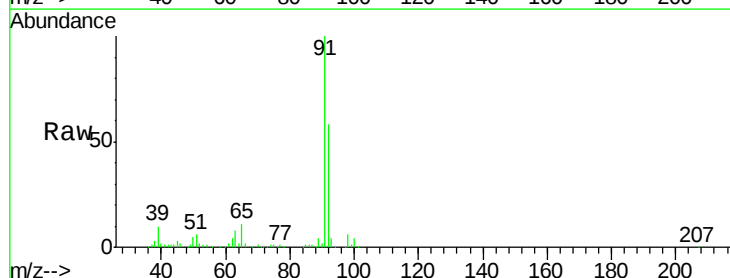
Acq: 1 Mar 2019 13:17

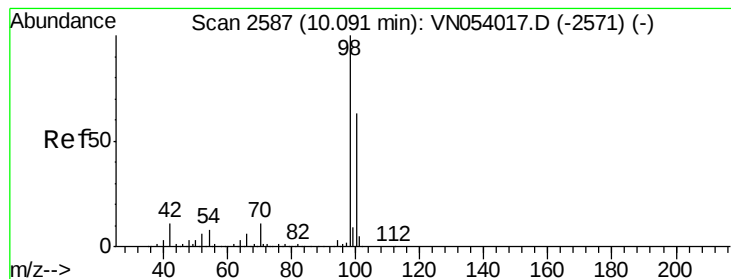
Tgt Ion: 91 Resp: 305800

Ion Ratio Lower Upper

91 100

92 56.7 45.4 68.2





#63

Toluene-d8

Concen: 10.404 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 98 Resp: 769417

Ion Ratio Lower Upper

98 100

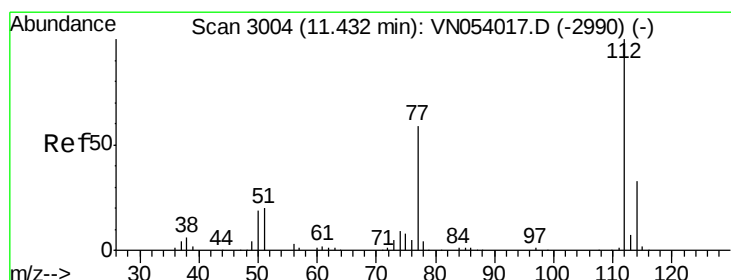
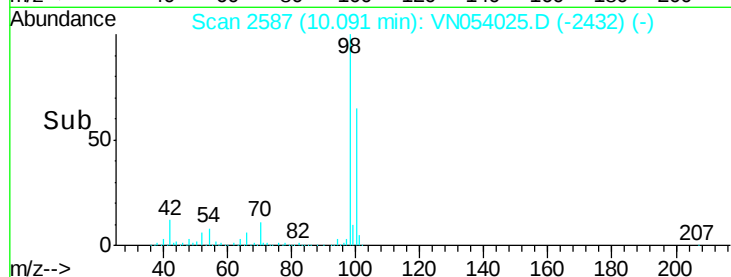
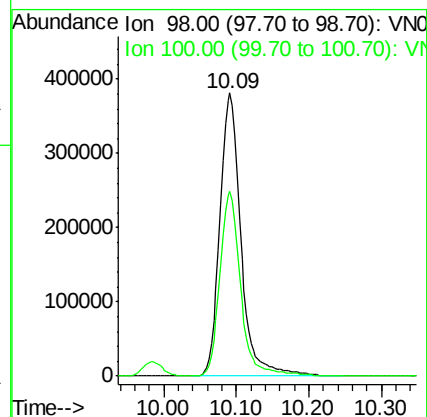
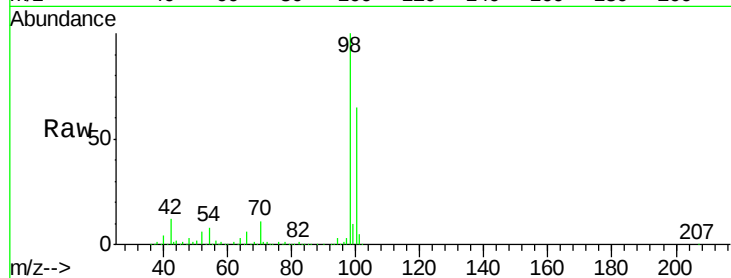
100 64.4 51.1 76.7

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#64

Chlorobenzene

Concen: 10.164 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054025.D

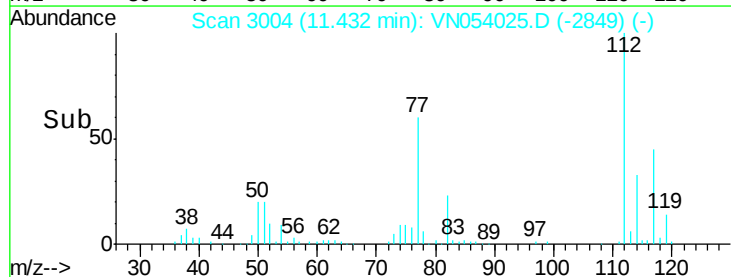
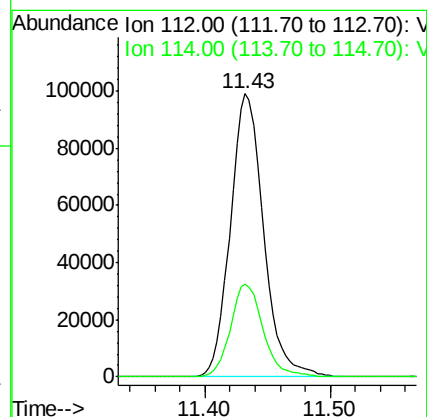
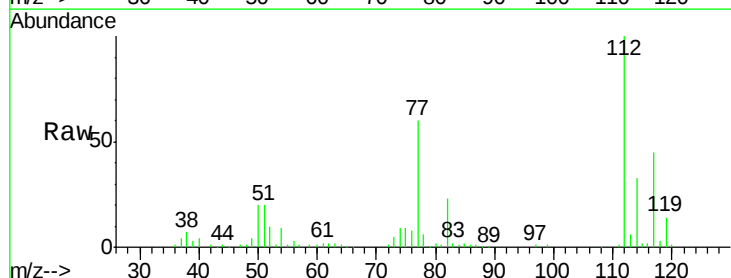
Acq: 1 Mar 2019 13:17

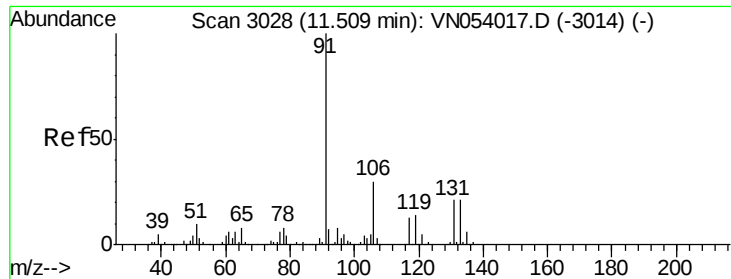
Tgt Ion: 112 Resp: 181920

Ion Ratio Lower Upper

112 100

114 32.9 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 10.515 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

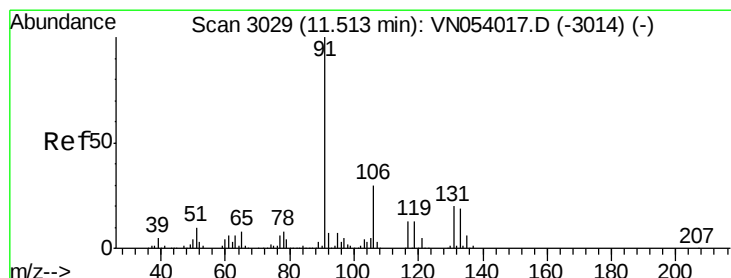
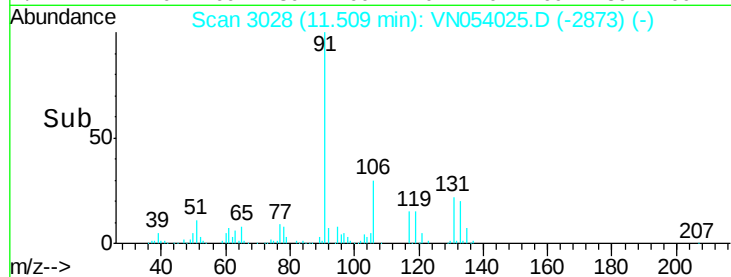
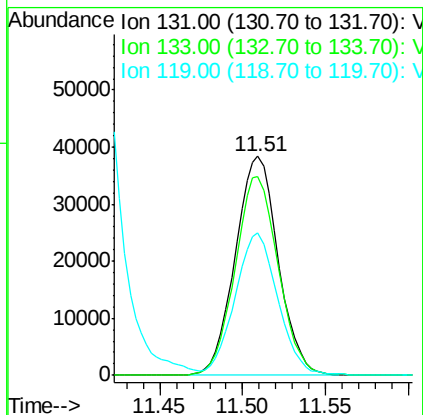
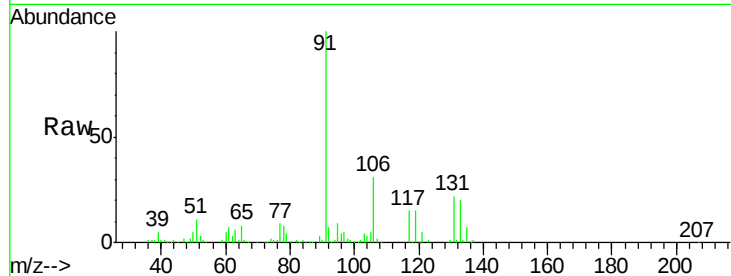
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	131	Resp:	69103
Ion	Ratio	Lower	Upper
131	100		
133	91.4	0.0	193.4
119	64.9	0.0	133.0

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#66

Ethyl Benzene

Concen: 9.969 ug/l

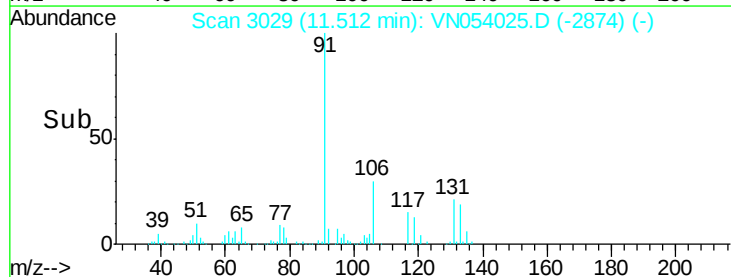
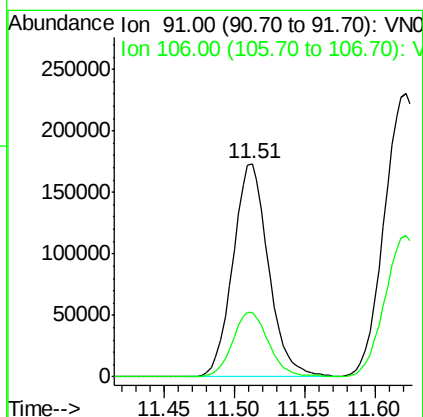
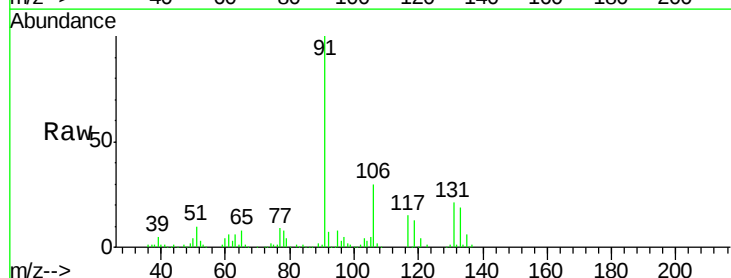
RT: 11.51 min Scan# 3029

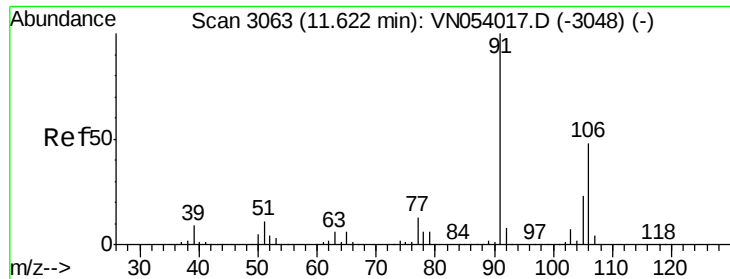
Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Tgt Ion:	91	Resp:	306278
Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.3	36.5





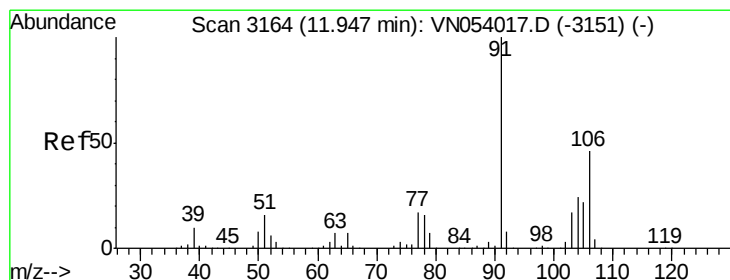
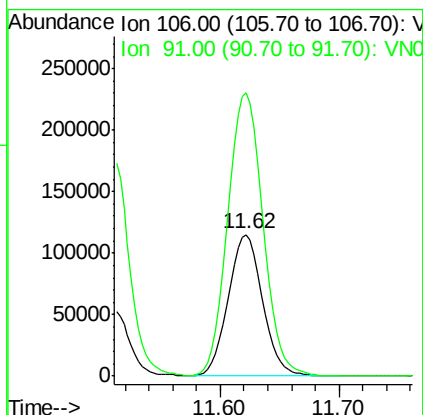
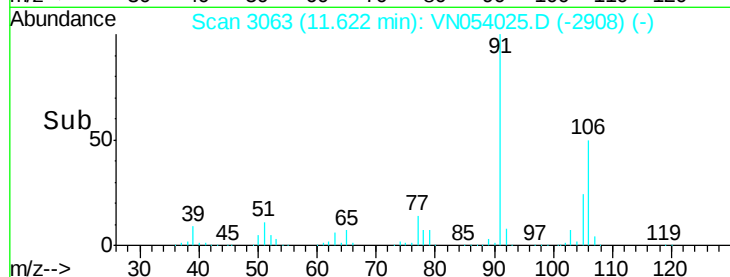
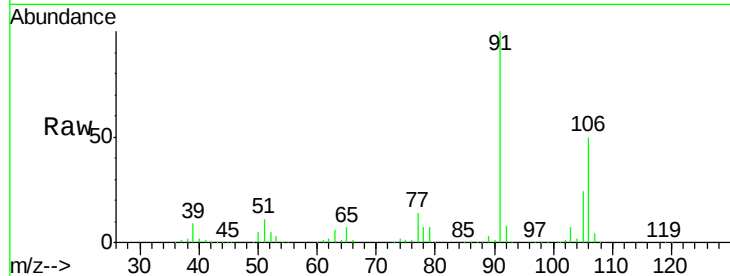
#67
m/p-Xvlenes
Concen: 19.910 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
LOQ-WATER-02-QT1-2019

Tot Ion:106 Resp: 230309
Ion Ratio Lower Upper
106 100
91 205.0 163.9 245.9

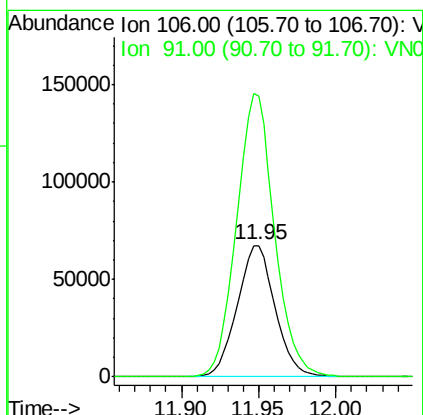
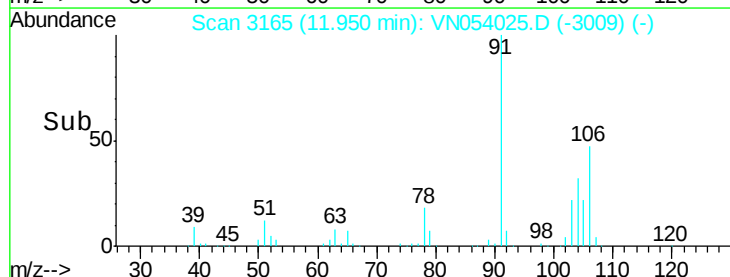
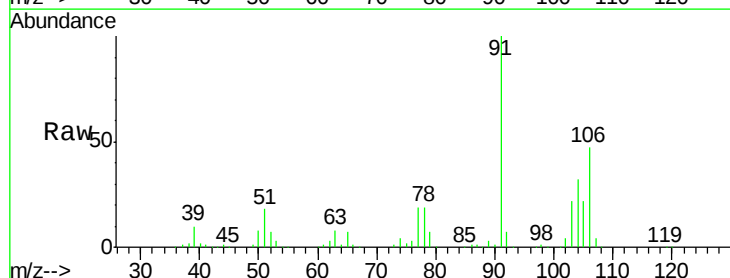
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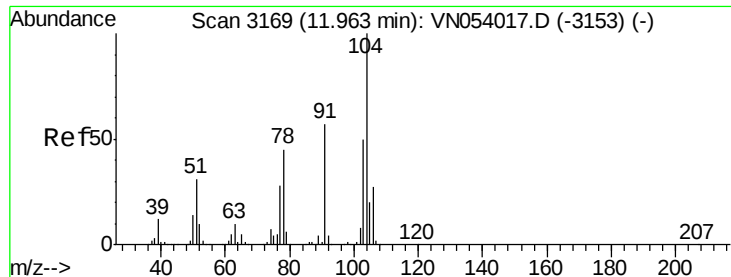
MMDadoda
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#68
o-Xylene
Concen: 10.214 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion:106 Resp: 114534
Ion Ratio Lower Upper
106 100
91 216.0 107.8 323.4





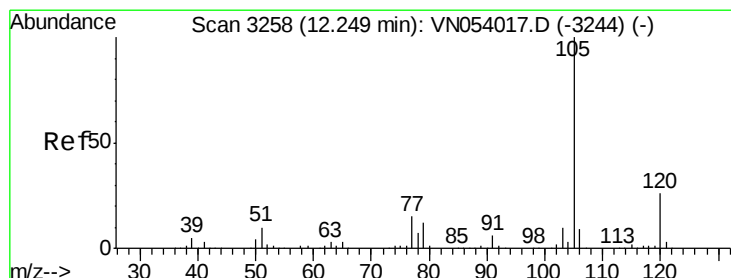
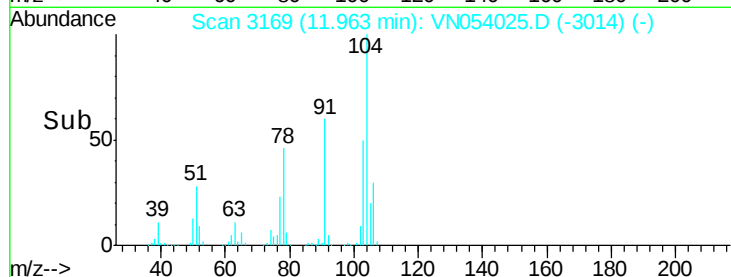
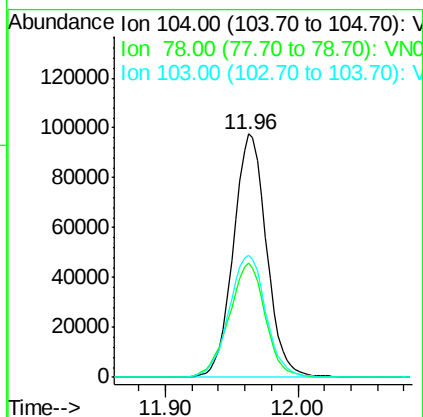
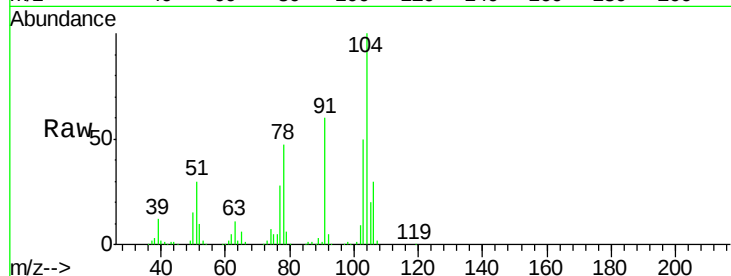
#69
Stvrene
Concen: 9.581 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.0	39.3	58.9
103	55.6	44.6	66.8

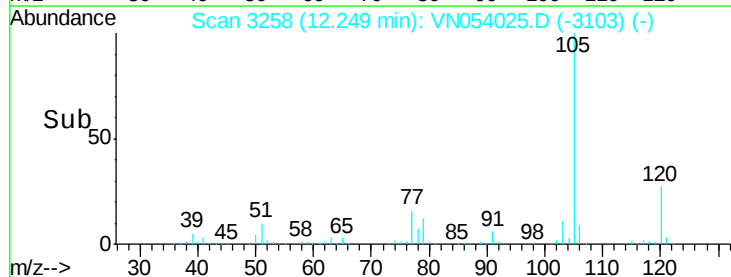
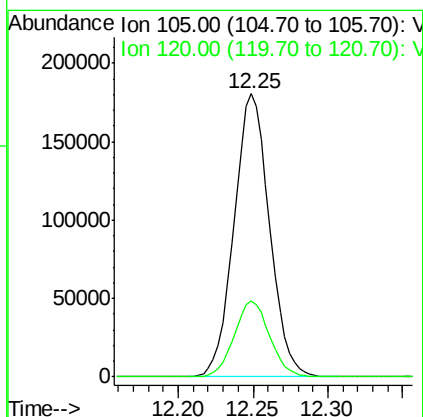
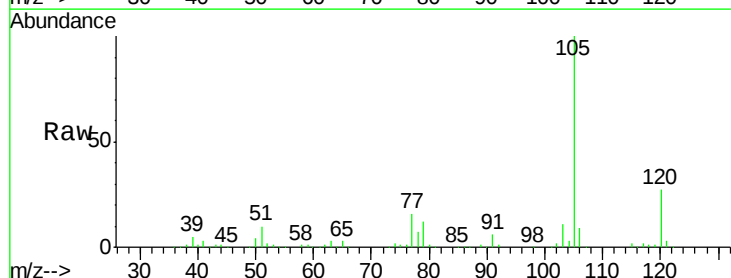
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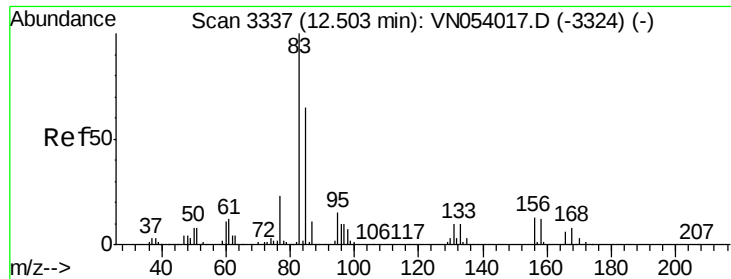
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#70
Isopropylbenzene
Concen: 10.120 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.6	34.6





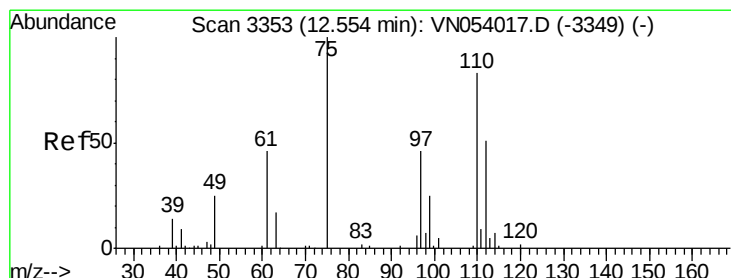
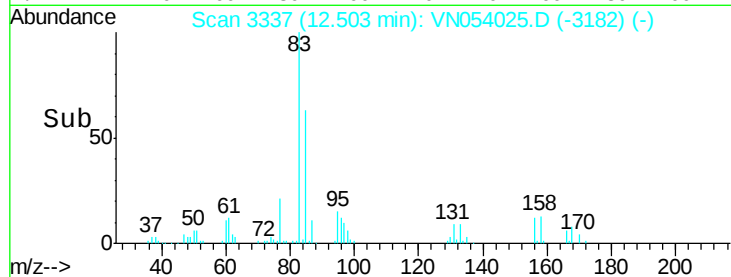
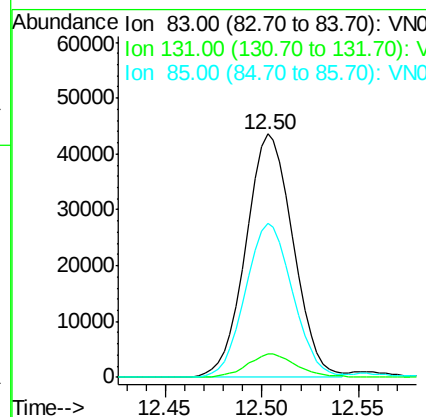
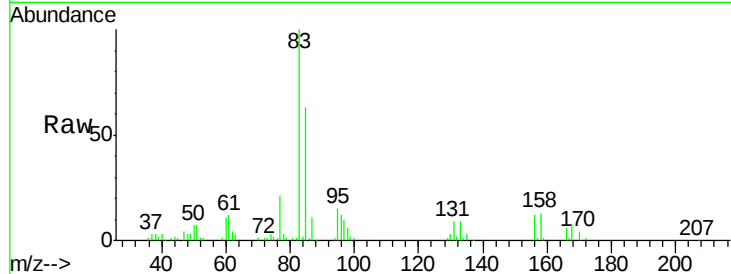
#71
 1,1,2,2-Tetrachloroethane
 Concen: 10.204 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.6
85	63.5	32.2	96.6

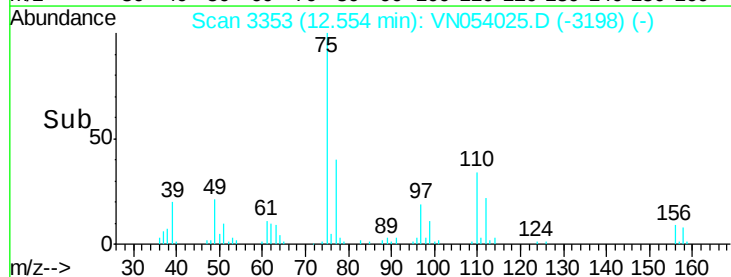
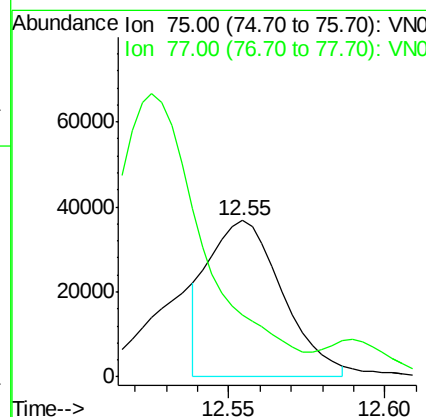
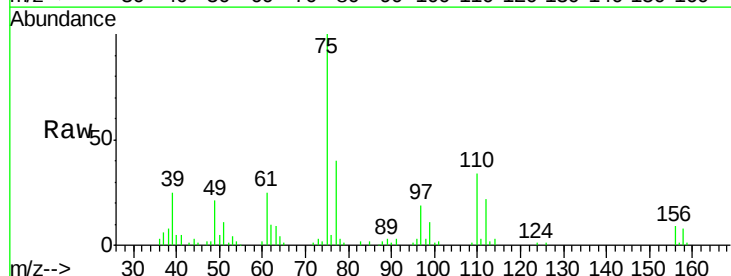
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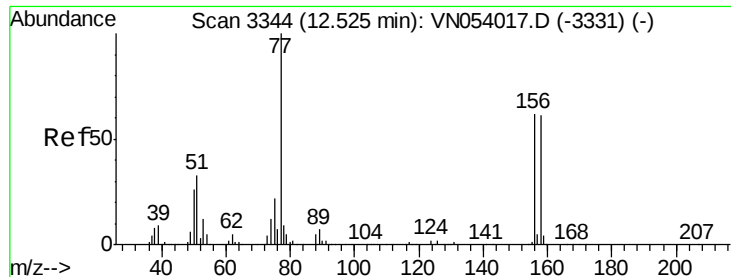
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 3/6/2019 10:23:44 AM



#72
 1,2,3-Trichloropropane
 Concen: 11.013 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	226.4	0.0	514.8





#73

Bromobenzene

Concen: 9.825 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

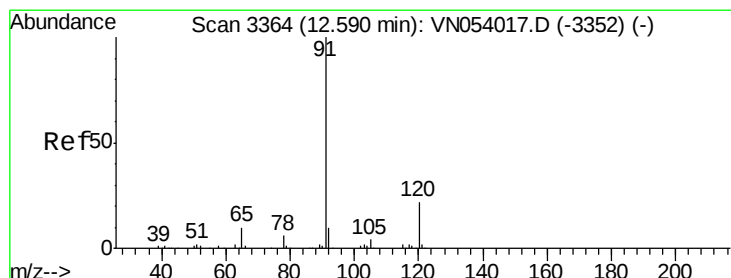
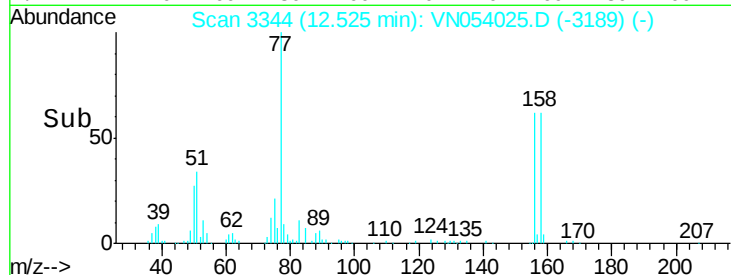
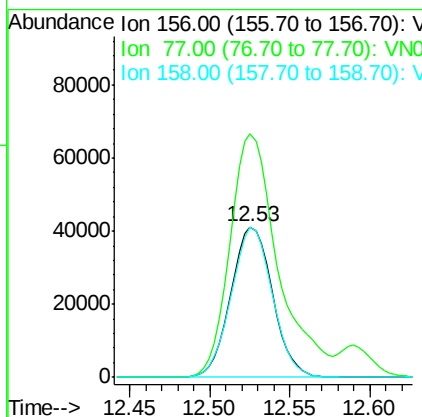
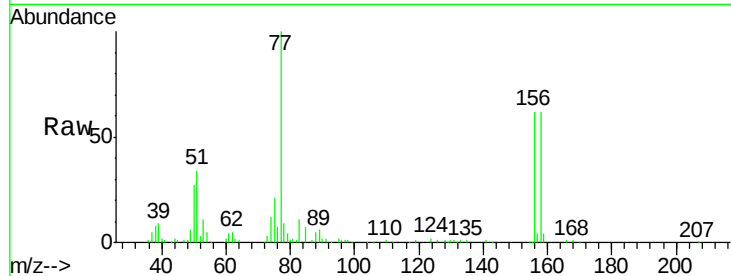
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	156	Resp:	72900
Ion Ratio	Lower	Upper	
156	100		
77	188.6	0.0	382.6
158	98.6	0.0	196.8

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#74

n-propylbenzene

Concen: 9.688 ug/l

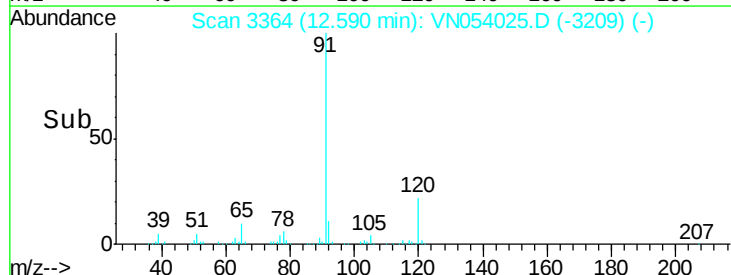
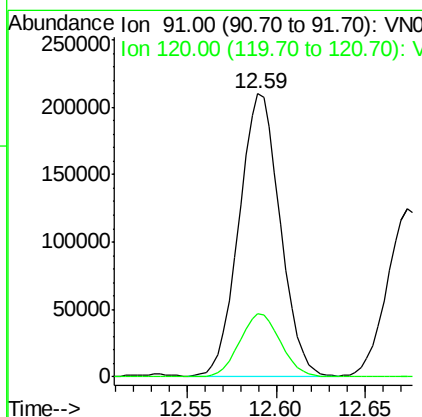
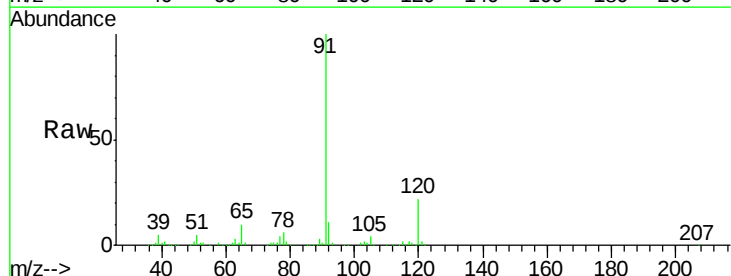
RT: 12.59 min Scan# 3364

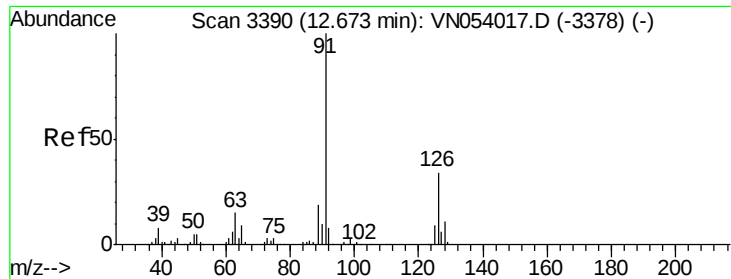
Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Tgt Ion:	91	Resp:	339538
Ion Ratio	Lower	Upper	
91	100		
120	22.0	0.0	44.6





#75

2-Chlorotoluene

Concen: 10.241 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 91 Resp: 210170

Ion Ratio Lower Upper

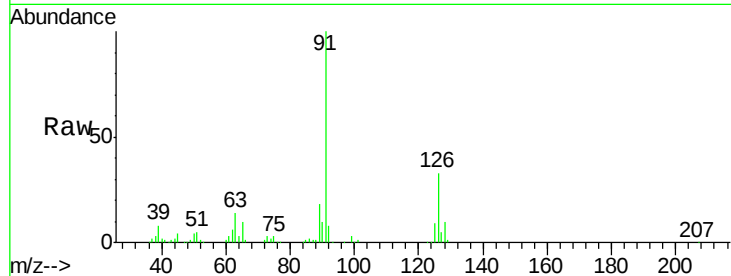
91 100

126 33.8 0.0 68.4

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Abundance Ion 91.00 (90.70 to 91.70): VN054017.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN054017.D (-3378) (-)

200000

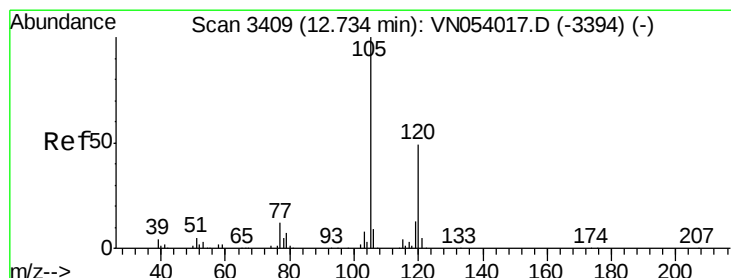
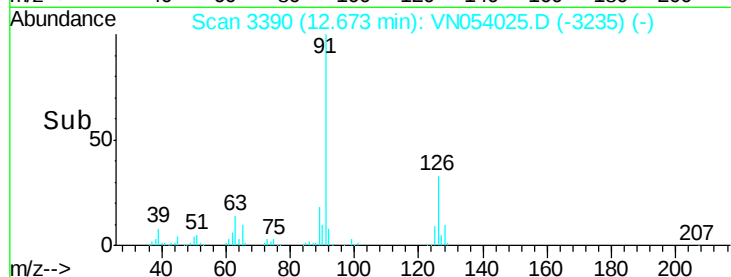
150000

100000

50000

0

Time--> 12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 10.055 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054025.D

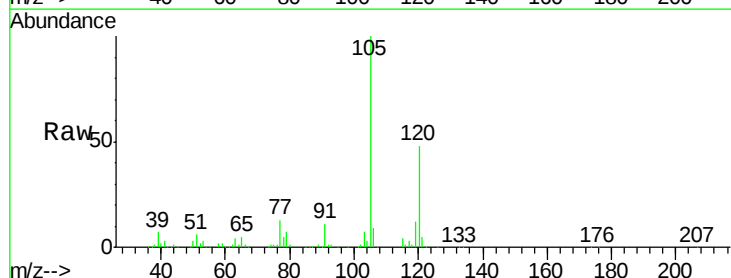
Acq: 1 Mar 2019 13:17

Tgt Ion: 105 Resp: 250675

Ion Ratio Lower Upper

105 100

120 48.6 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN054017.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054017.D (-3394) (-)

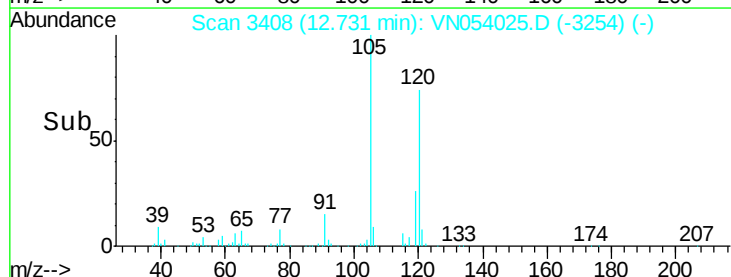
150000

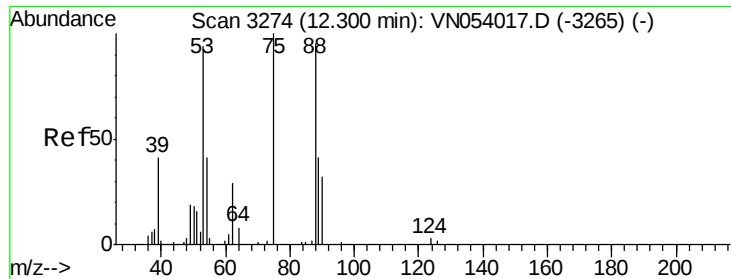
100000

50000

0

Time--> 12.65 12.70 12.75 12.80





#77

t-1,4-Dichloro-2-butene

Concen: 8.491 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Instrument :

MSVOA_N

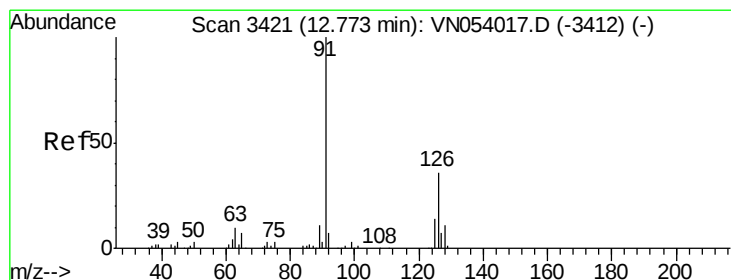
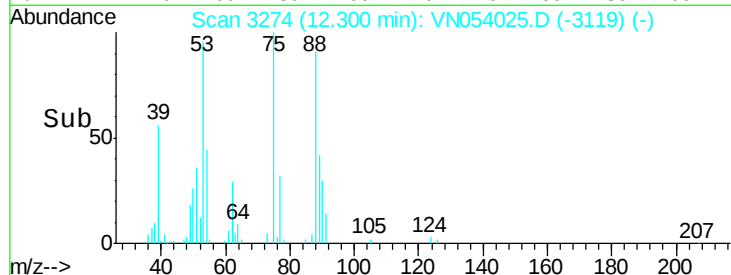
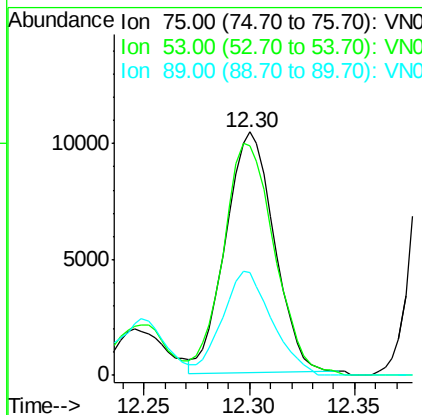
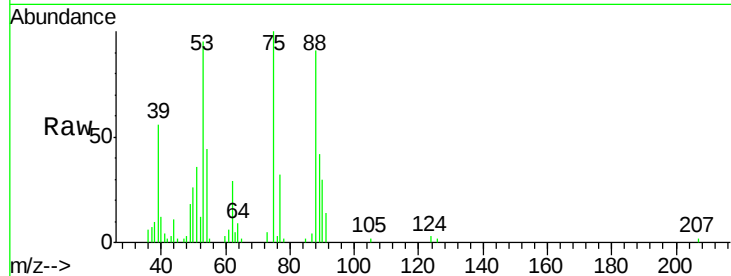
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	75	Resp:	16666
Ion	Ratio	Lower	Upper
75	100		
53	94.6	48.5	145.6
89	42.7	21.7	65.1

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#78

4-Chlorotoluene

Concen: 9.619 ug/l

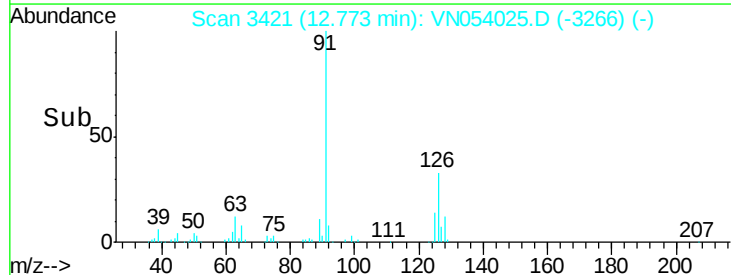
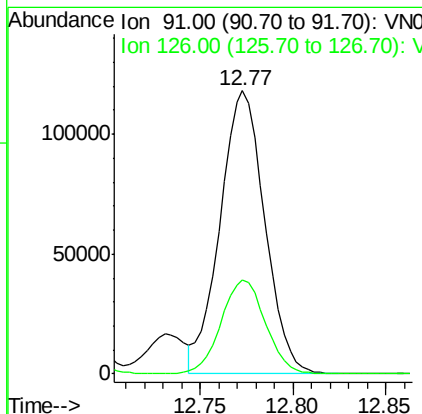
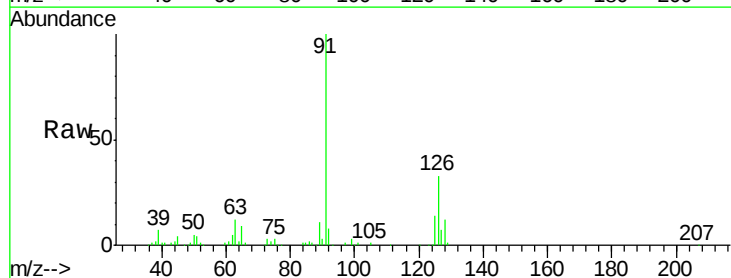
RT: 12.77 min Scan# 3421

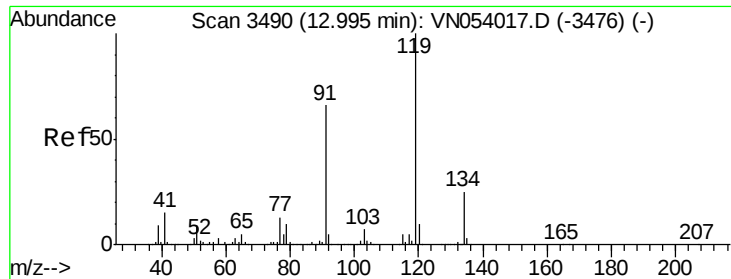
Delta R.T. -0.00 min

Lab File: VN054025.D

Acq: 1 Mar 2019 13:17

Tgt Ion:	91	Resp:	197530
Ion	Ratio	Lower	Upper
91	100		
126	33.0	0.0	68.2





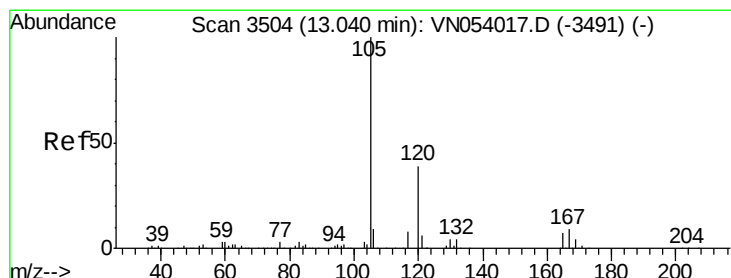
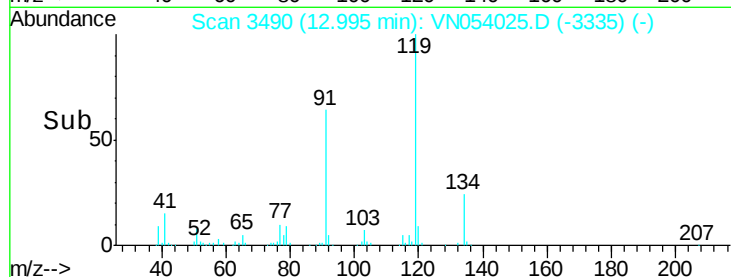
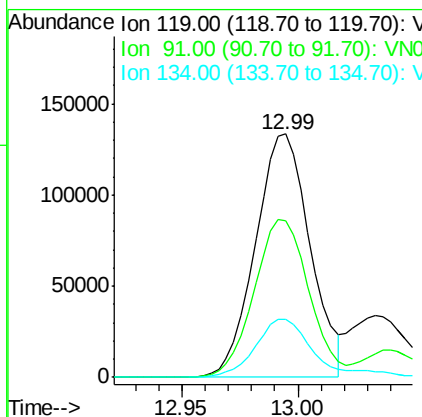
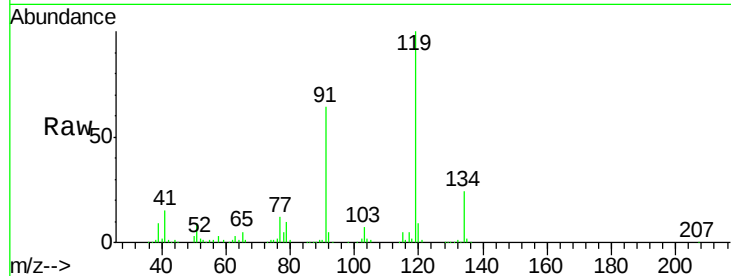
#79
tert-butylbenzene
Concen: 10.062 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Resp	Lower	Upper
119	100	219806		
91	65.1	0.0	129.8	
134	25.9	0.0	52.2	

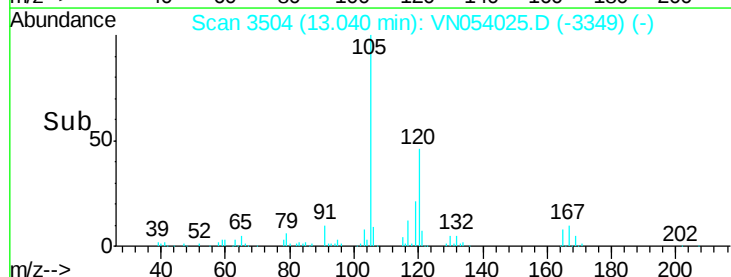
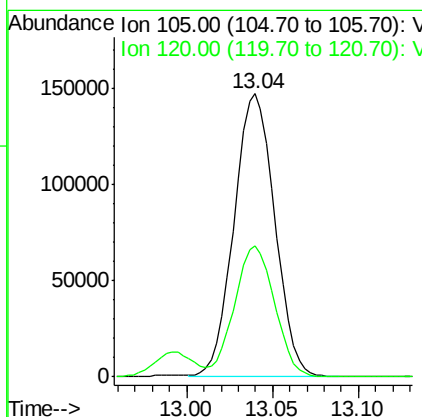
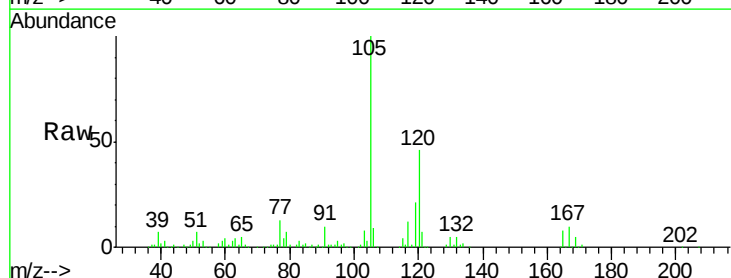
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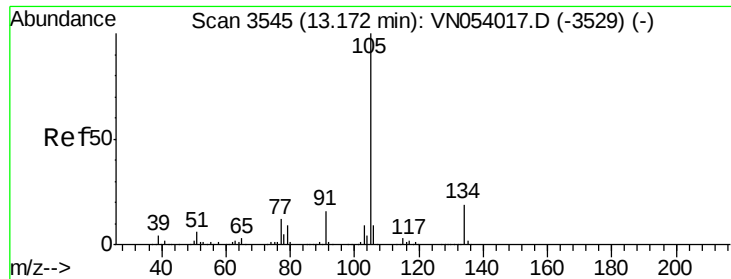
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#80
1,2,4-Trimethylbenzene
Concen: 9.729 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	241402		
120	45.8	0.0	91.0	





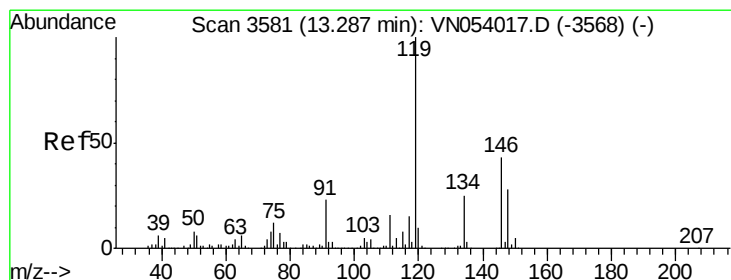
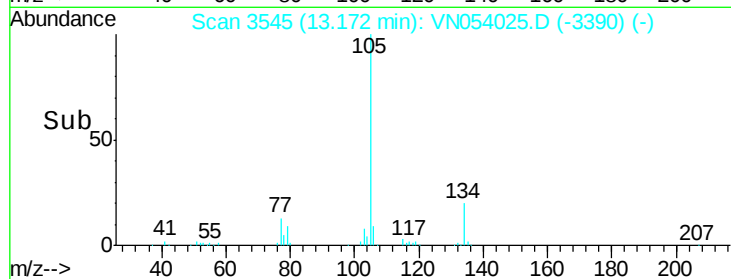
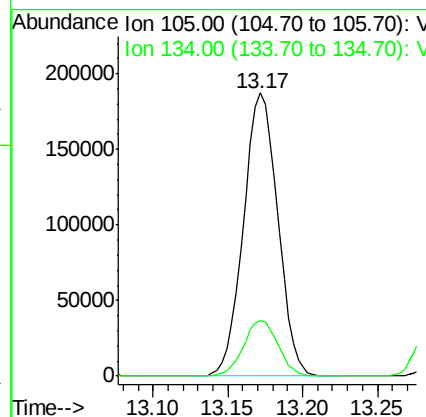
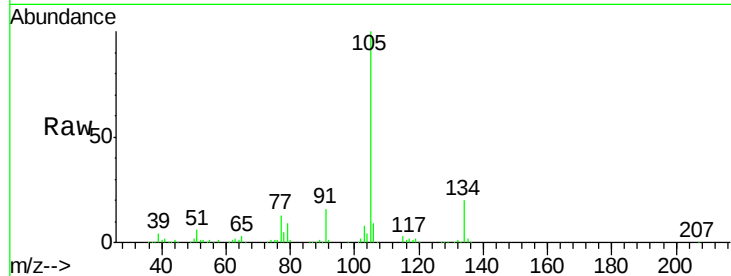
#81
 sec-Butylbenzene
 Concen: 9.964 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Resp	Lower	Upper
105	100	298527		
134	19.9	0.0	40.4	

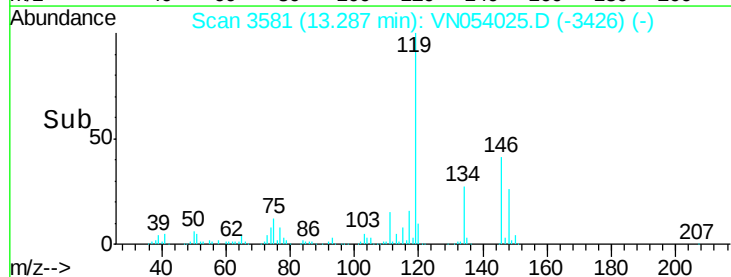
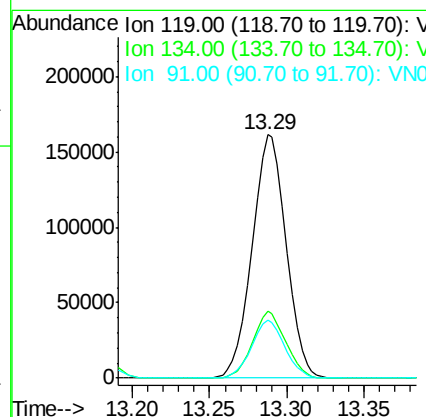
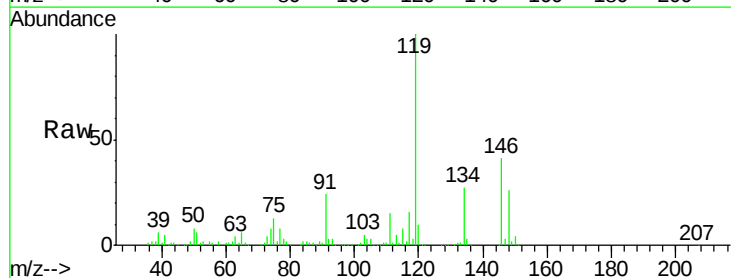
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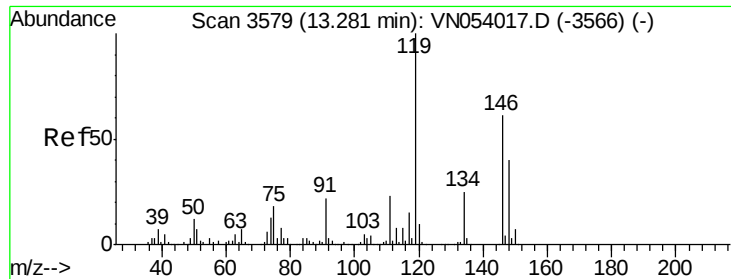
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#82
 p-Isopropyltoluene
 Concen: 9.662 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	247173		
134	26.6	0.0	52.6	
91	23.2	0.0	46.2	





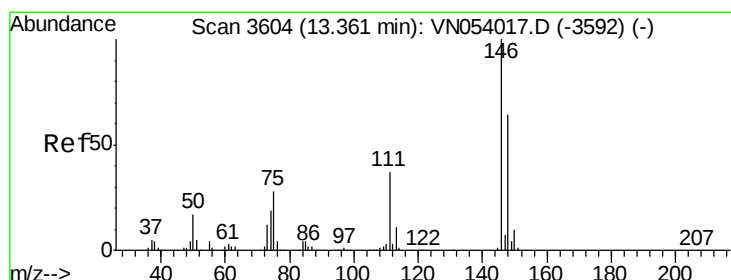
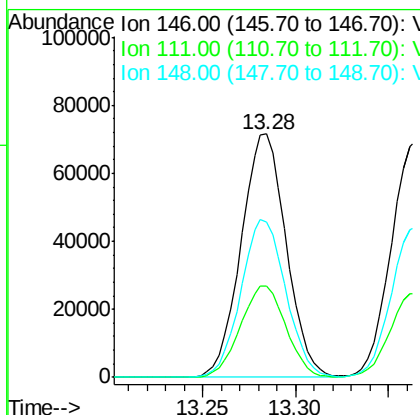
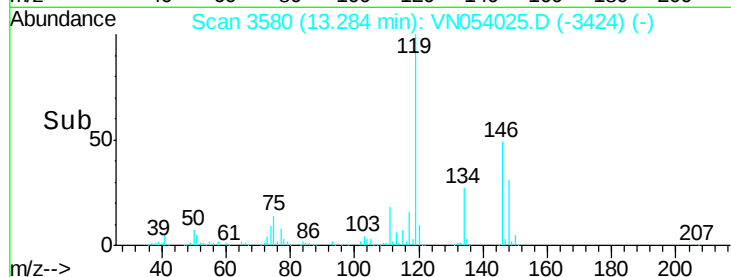
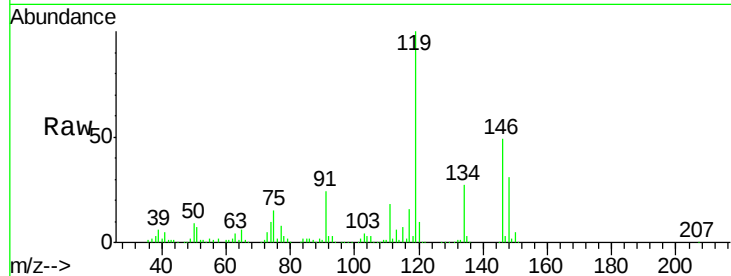
#83
 1,3-Dichlorobenzene
 Concen: 9.276 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.7	59.0
148	64.4	32.3	96.8

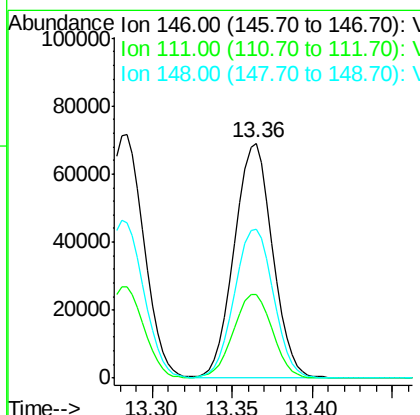
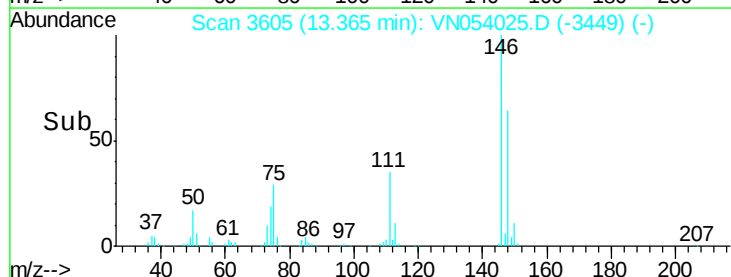
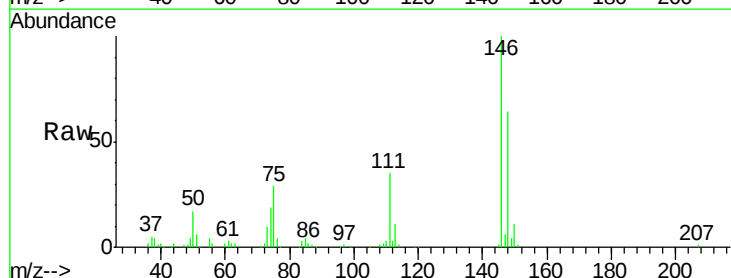
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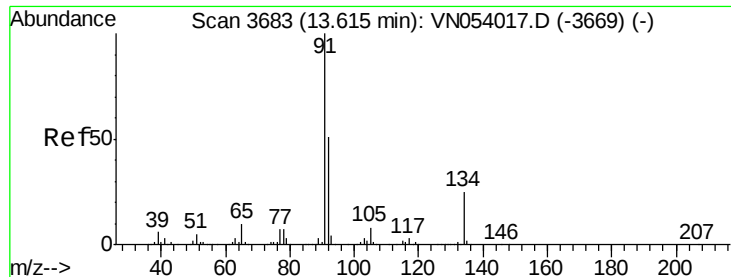
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#84
 1,4-Dichlorobenzene
 Concen: 9.026 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.3
148	64.6	32.5	97.4





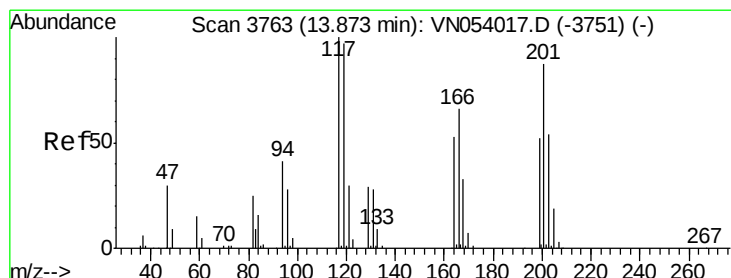
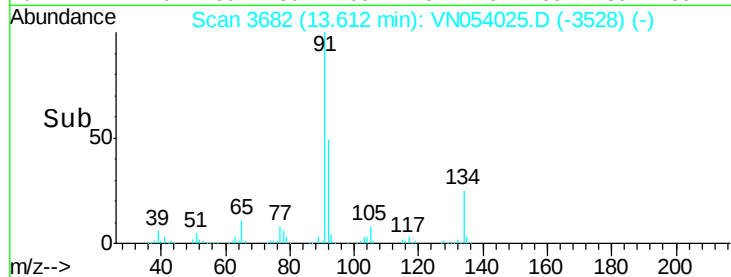
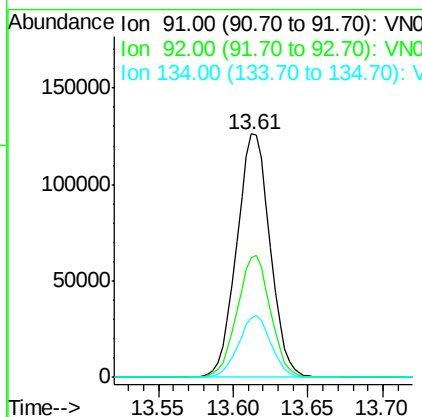
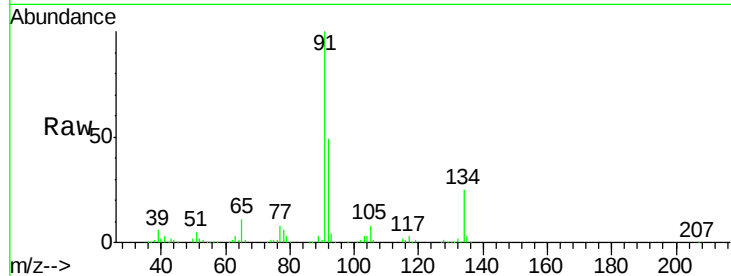
#85
n-Butylbenzene
Concen: 8.786 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Resp	Lower	Upper
91	100	195893		
92	50.0	0.0	104.2	
134	24.7	0.0	50.6	

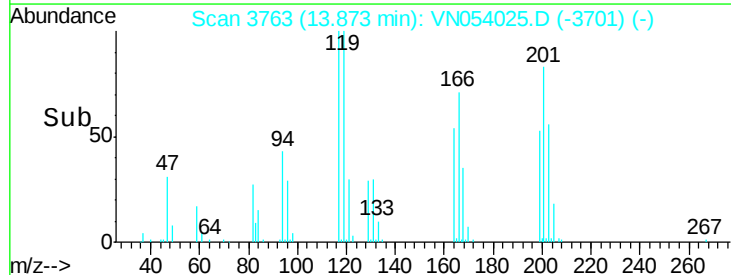
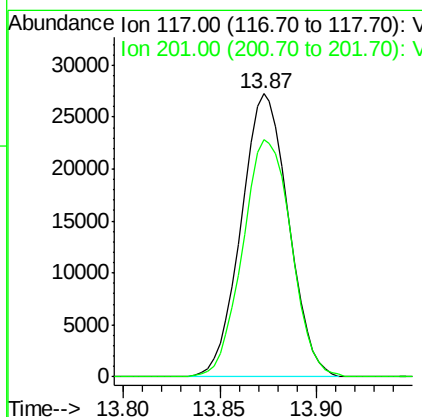
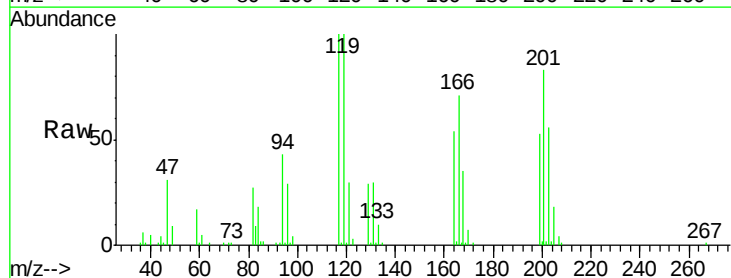
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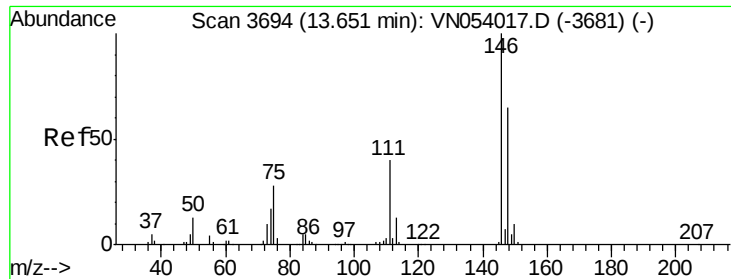
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#86
Hexachloroethane
Concen: 9.703 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	46409		
201	86.0	43.8	131.3	





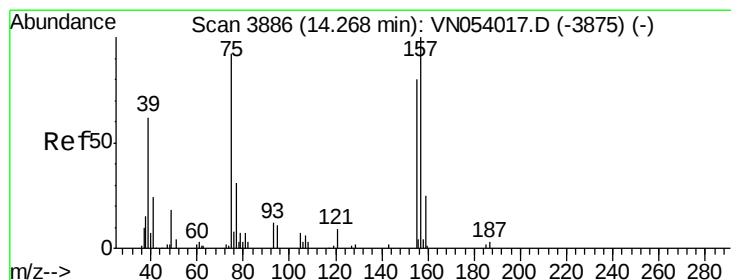
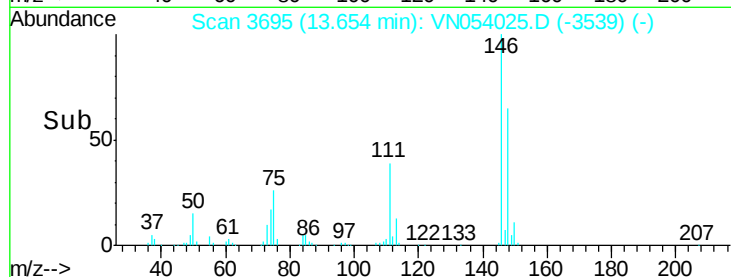
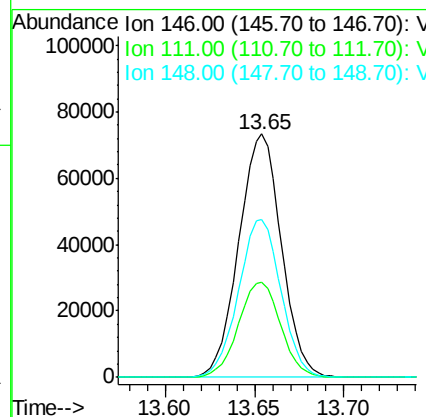
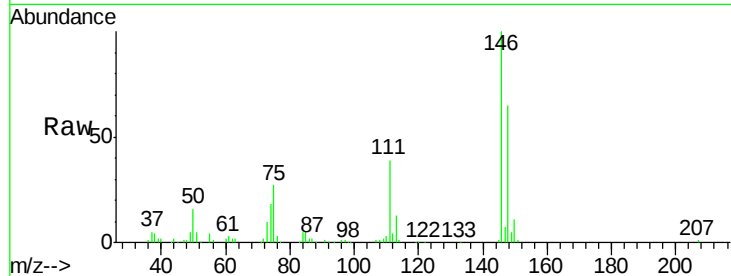
#87
 1,2-Dichlorobenzene
 Concen: 9.610 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.3	60.8
148	64.9	32.1	96.5

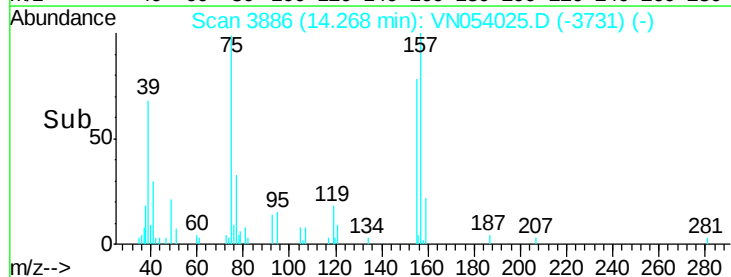
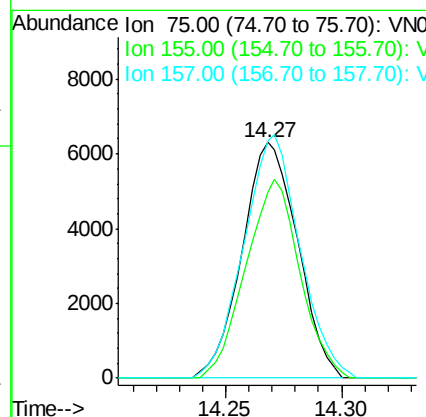
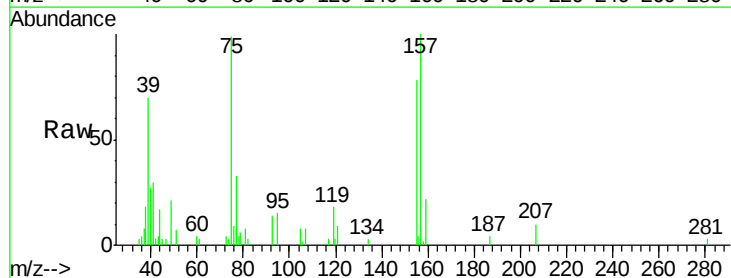
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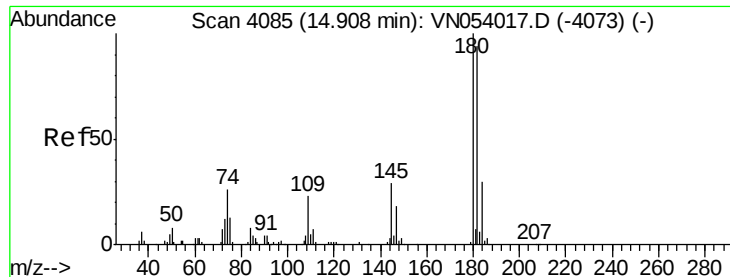
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 9.971 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	72.2	108.2
157	104.7	94.2	141.2





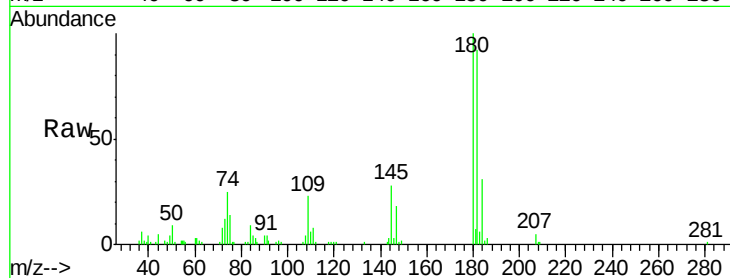
#89
 1,2,4-Trichlorobenzene
 Concen: 7.248 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

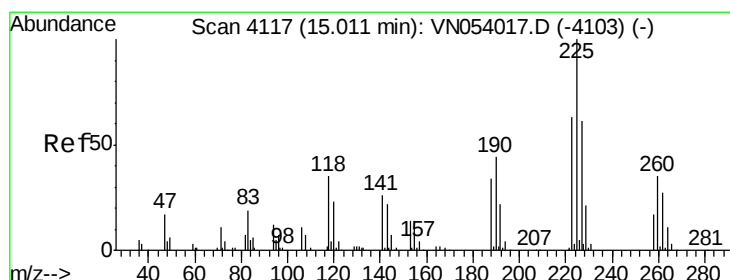
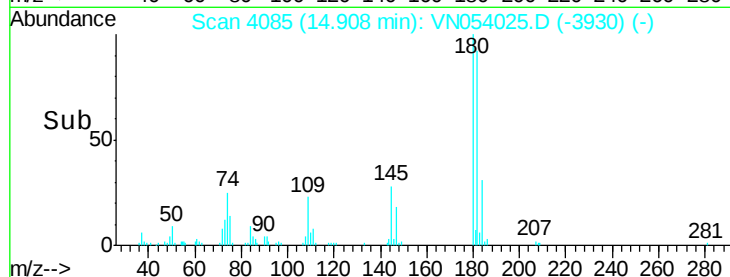
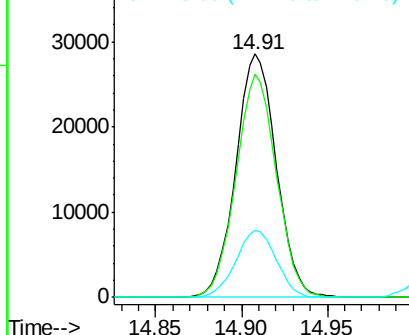
Tot Ion	Ion	Ratio	Resp	Lower	Upper
180	100		46740		
182	91.6	76.6	114.8		
145	27.5	23.6	35.4		

Manual Integrations
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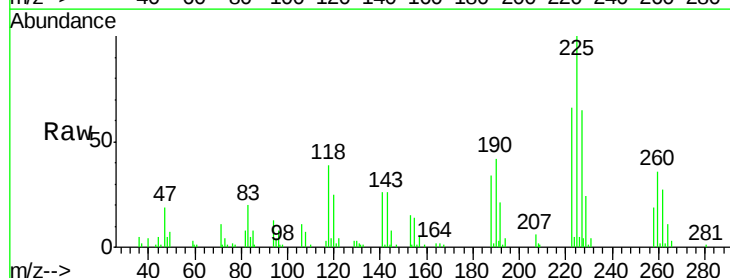


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

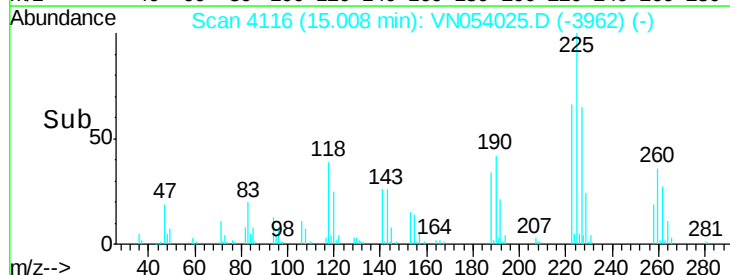
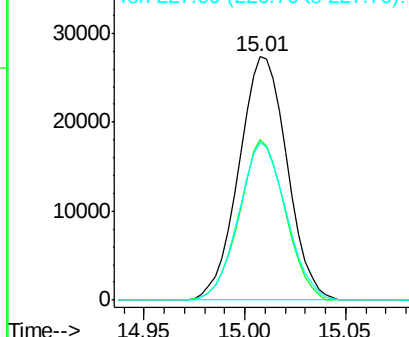


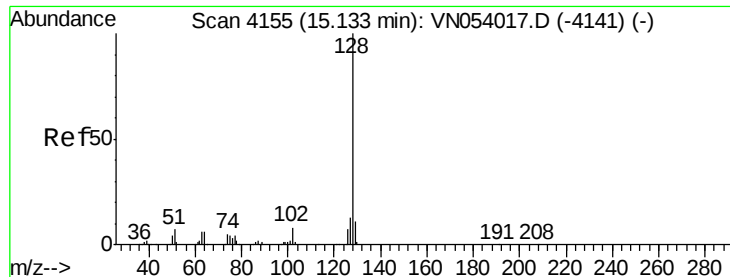
#90
 Hexachlorobutadiene
 Concen: 9.795 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054025.D
 Acq: 1 Mar 2019 13:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		45892		
223	62.5	0.0	125.6		
227	63.7	0.0	127.8		



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





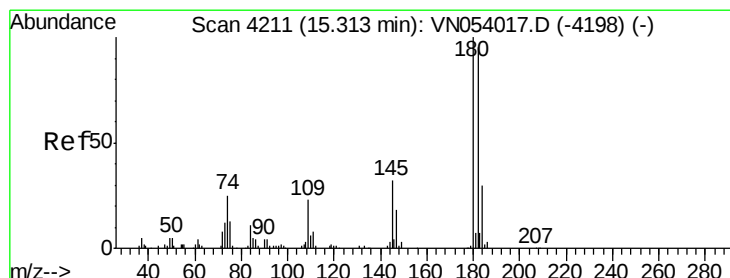
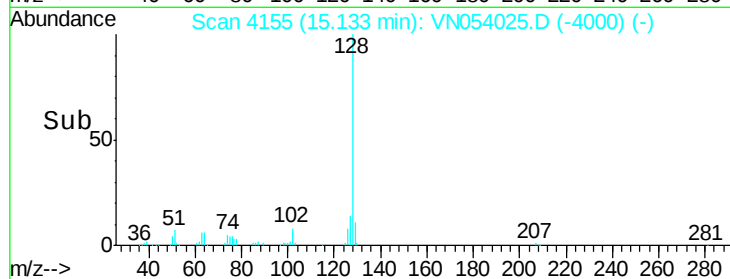
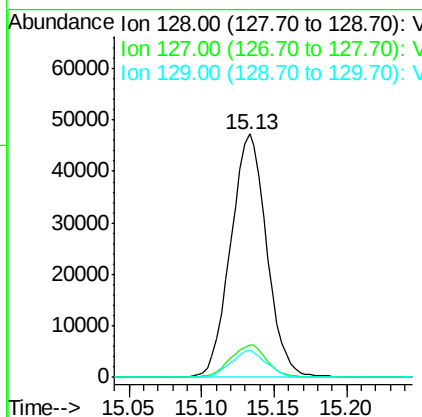
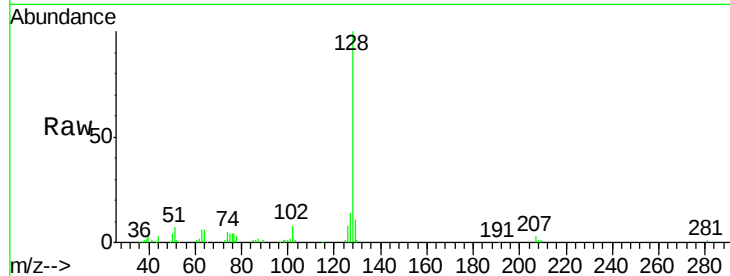
#91
Naphthalene
Concen: 11.620 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	9.9	14.9
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
3/6/2019 10:23:44 AM



#92
1,2,3-Trichlorobenzene
Concen: 7.432 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054025.D
Acq: 1 Mar 2019 13:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	0.0	196.2
145	31.2	0.0	62.2

