

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060587.D
 Acq On : 18 Mar 2020 13:24
 Operator : JC/MD
 Sample : L1161-08 1.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:03:36 PM

Quant Time: Mar 19 09:35:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 19 09:13:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	206435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	343296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	303466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128909	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	141444	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	7.56	113	102829	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	10.08	98	412375	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
62) 4-Bromofluorobenzene	12.40	95	140293	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1758	0.880	ug/l	95
3) Chloromethane	2.03	50	3606	0.967	ug/l	98
4) Vinyl Chloride	2.16	62	2857	0.979	ug/l	96
5) Bromomethane	2.55	94	1219	0.968	ug/l	94
6) Chloroethane	2.68	64	1536	0.914	ug/l	90
7) Trichlorofluoromethane	3.00	101	3354	0.933	ug/l	95
8) Diethyl Ether	3.39	74	1179	0.817	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2013	0.967	ug/l #	83
10) Methyl Iodide	3.92	142	1938	1.046	ug/l #	83
11) Tert butyl alcohol	4.73	59	2139m	5.132	ug/l	
12) 1,1-Dichloroethene	3.72	96	2259	1.011	ug/l	90
13) Acrolein	3.59	56	1926	4.170	ug/l	98
14) Allyl chloride	4.30	41	4006	1.019	ug/l	95
15) Acrylonitrile	4.96	53	5128	4.184	ug/l	98
16) Acetone	3.79	43	4937	4.918	ug/l	94
17) Carbon Disulfide	4.02	76	6868	1.010	ug/l	98
18) Methyl Acetate	4.30	43	2430	0.860	ug/l #	75
19) Methyl tert-butyl Ether	5.00	73	7933	1.032	ug/l	92
20) Methylene Chloride	4.52	84	2553	1.034	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	2516m	1.056	ug/l	
22) Diisopropyl ether	5.92	45	7967	0.959	ug/l #	87
23) Vinyl Acetate	5.86	43	30961	4.569	ug/l	100
24) 1,1-Dichloroethane	5.82	63	4231	0.935	ug/l #	85
25) 2-Butanone	6.81	43	7522	4.631	ug/l	95
26) 2,2-Dichloropropane	6.79	77	4073	1.143	ug/l #	76
27) cis-1,2-Dichloroethene	6.80	96	2834	1.047	ug/l	97
28) Bromochloromethane	7.17	49	1867	0.862	ug/l #	94
29) Tetrahydrofuran	7.19	42	5299	4.611	ug/l	95
30) Chloroform	7.35	83	4254	0.980	ug/l	99
31) Cyclohexane	7.63	56	8848	1.939	ug/l #	51
32) 1,1,1-Trichloroethane	7.55	97	3570	0.954	ug/l #	52
36) 1,1-Dichloropropene	7.77	75	3328	1.001	ug/l	94
37) Ethyl Acetate	6.90	43	4123m	1.148	ug/l	
38) Carbon Tetrachloride	7.74	117	2850	0.957	ug/l #	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	4054	1.026	ug/l	92
40) Benzene	8.02	78	9676	0.964	ug/l	99
41) Methacrylonitrile	7.15	41	1434m	0.935	ug/l	
42) 1,2-Dichloroethane	8.10	62	3559	1.038	ug/l	85
43) Isopropyl Acetate	8.14	43	5580	0.942	ug/l	94
44) Trichloroethene	8.82	130	2757	1.090	ug/l	85
45) 1,2-Dichloropropane	9.10	63	2705	1.022	ug/l	89
46) Dibromomethane	9.20	93	1460	0.912	ug/l	96
47) Bromodichloromethane	9.39	83	3073	0.924	ug/l #	84
48) Methyl methacrylate	9.18	41	2377	0.901	ug/l	92
49) 1,4-Dioxane	9.18	88	492	15.695	ug/l #	75
51) 4-Methyl-2-Pentanone	9.97	43	15651	4.643	ug/l	100
52) Toluene	10.14	92	6213	1.025	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	3649	0.955	ug/l #	88
54) cis-1,3-Dichloropropene	9.82	75	3848	0.918	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	2388	1.024	ug/l	95
56) Ethyl methacrylate	10.42	69	2846	0.783	ug/l	89
57) 1,3-Dichloropropane	10.70	76	3838	0.949	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.68	63	7922	4.385	ug/l	100
59) 2-Hexanone	10.74	43	10521	4.333	ug/l	97
60) Dibromochloromethane	10.89	129	2266	0.941	ug/l	99
61) 1,2-Dibromoethane	11.00	107	2110	0.900	ug/l	97
64) Tetrachloroethene	10.62	164	2800	1.173	ug/l	96
65) Chlorobenzene	11.43	112	6142	1.021	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.50	131	2032	0.933	ug/l #	58
67) Ethyl Benzene	11.50	91	11218	1.003	ug/l	98
68) m/p-Xylenes	11.62	106	7818	1.881	ug/l	98
69) o-Xylene	11.94	106	3703	0.933	ug/l	95
70) Styrene	11.96	104	5703	0.879	ug/l	99
71) Bromoform	12.12	173	1319	0.812	ug/l #	98
73) Isopropylbenzene	12.24	105	10193	1.054	ug/l	99
74) N-amyl acetate	12.06	43	4628	1.035	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	3014	1.030	ug/l #	95
76) 1,2,3-Trichloropropane	12.55	75	2810m	1.010	ug/l	
77) Bromobenzene	12.52	156	2672	1.146	ug/l	93
78) n-propylbenzene	12.59	91	11798	1.032	ug/l	97
79) 2-Chlorotoluene	12.67	91	7088	1.038	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	8465	1.031	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	1108m	1.023	ug/l	
82) 4-Chlorotoluene	12.77	91	7378	1.061	ug/l	99
83) tert-Butylbenzene	12.99	119	7608	1.118	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	8230	1.013	ug/l	97
85) sec-Butylbenzene	13.17	105	9323	1.019	ug/l	96
86) p-Isopropyltoluene	13.28	119	8113	0.986	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	4450	1.082	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	4411m	1.068	ug/l	
89) n-Butylbenzene	13.61	91	7469	1.005	ug/l	99
90) Hexachloroethane	13.87	117	1096	0.916	ug/l	83
91) 1,2-Dichlorobenzene	13.65	146	4348	1.106	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	697	1.061	ug/l	66

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LOQ-WATER-02-QT1-2020

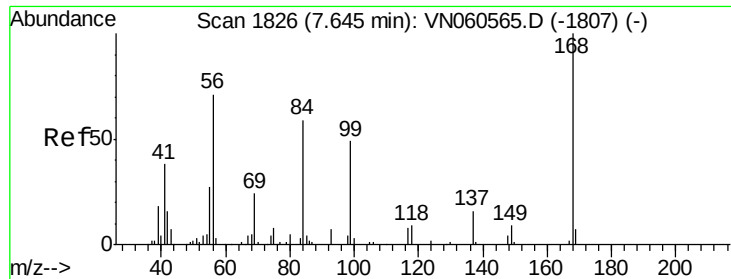
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	2129	0.882	ug/l	97
94) Hexachlorobutadiene	15.01	225	1217	1.028	ug/l	97
95) Naphthalene	15.13	128	6295	0.867	ug/l	95
96) 1,2,3-Trichlorobenzene	15.31	180	2335	0.982	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:168 Resp: 206435

Ion Ratio Lower Upper

168 100

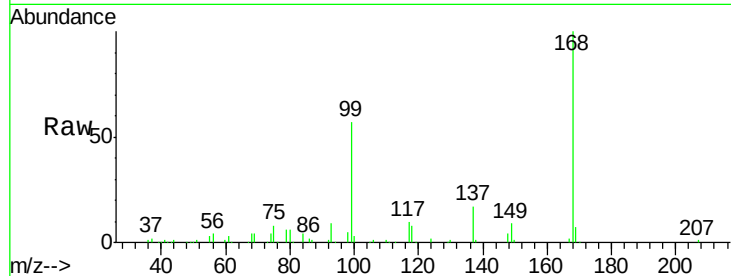
99 56.7 44.0 66.0

Manual Integrations

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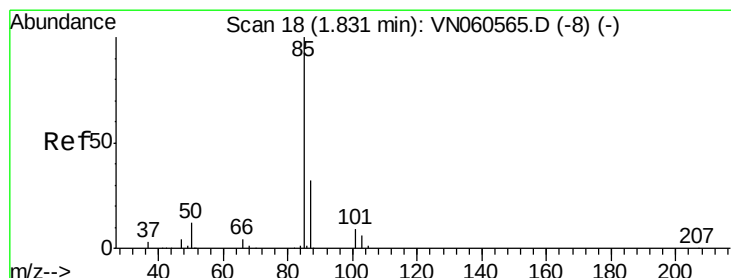
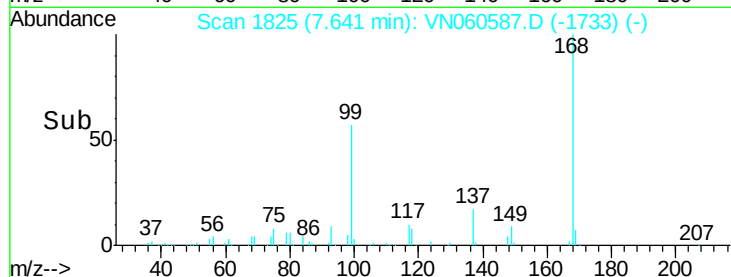
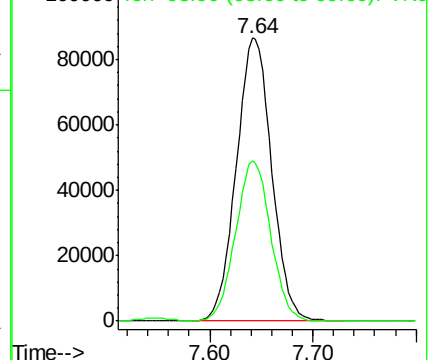
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.880 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060587.D

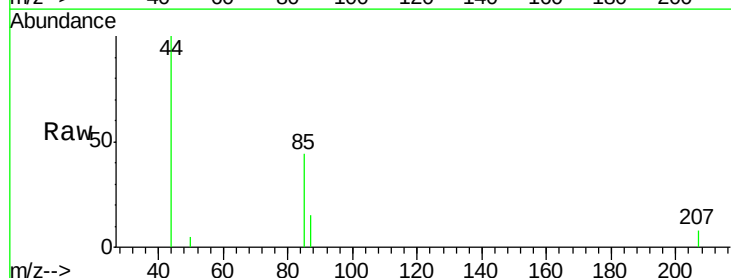
Acq: 18 Mar 2020 13:24

Tgt Ion: 85 Resp: 1758

Ion Ratio Lower Upper

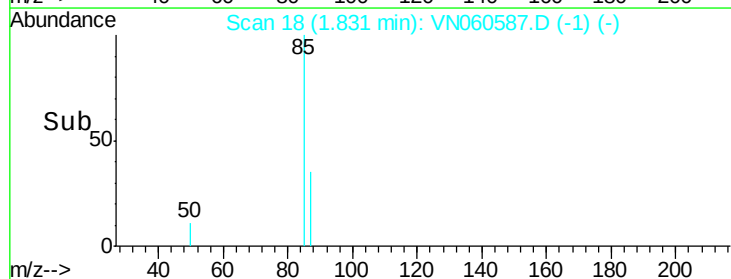
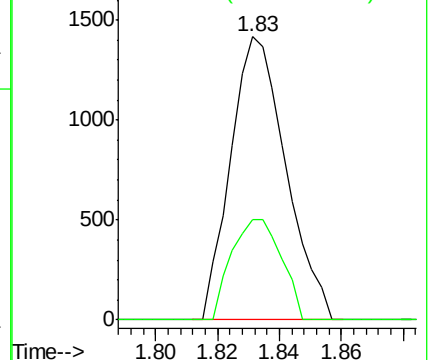
85 100

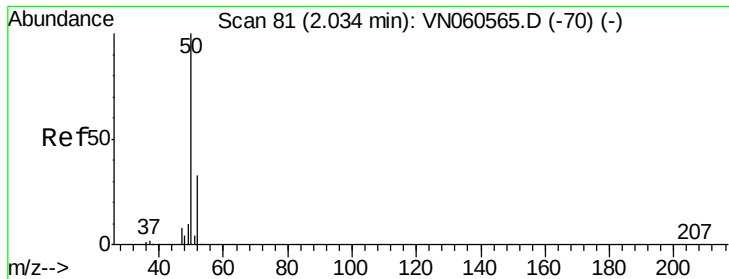
87 35.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 0.967 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 50 Resp: 3606

Ion Ratio Lower Upper

50 100

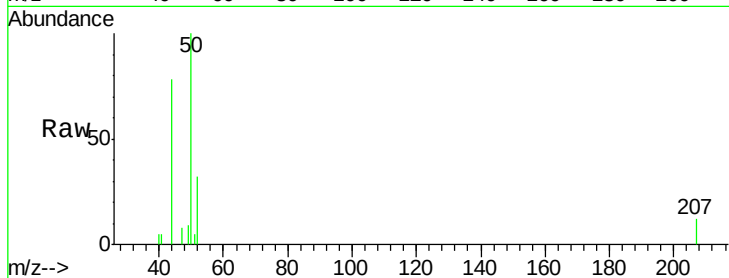
52 31.8 26.2 39.2

Manual Integrations

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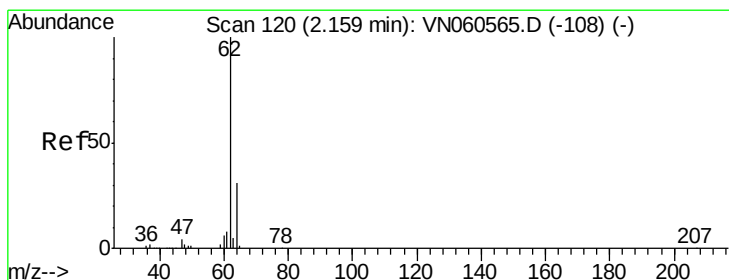
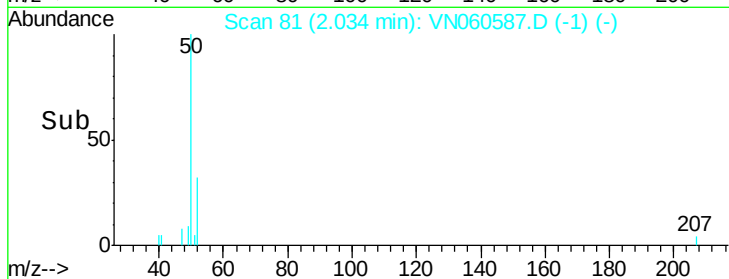
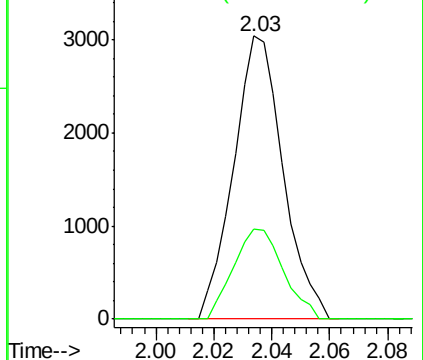
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 0.979 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060587.D

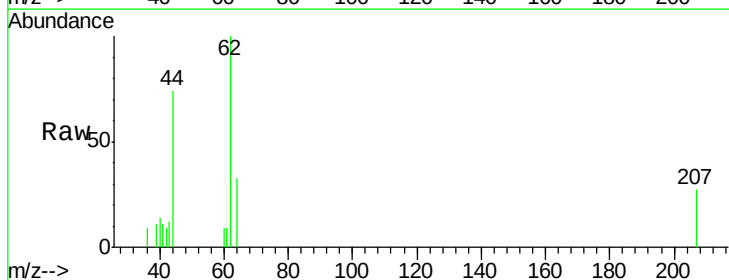
Acq: 18 Mar 2020 13:24

Tgt Ion: 62 Resp: 2857

Ion Ratio Lower Upper

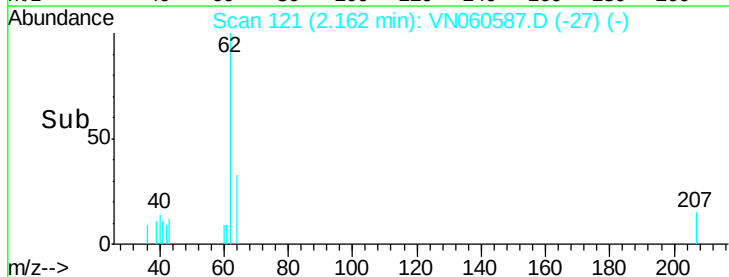
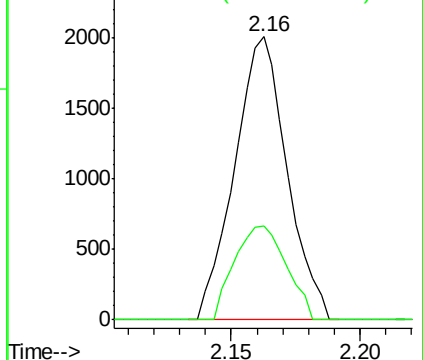
62 100

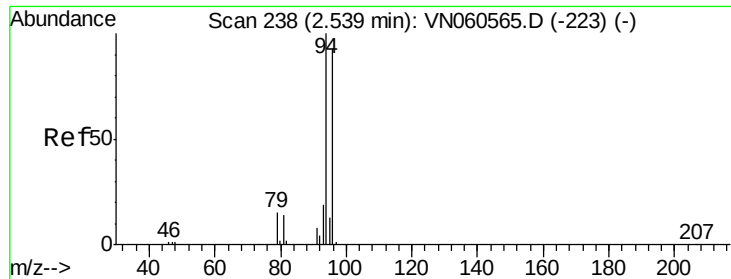
64 33.2 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 0.968 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 94 Resp: 1219

Ion Ratio Lower Upper

94 100

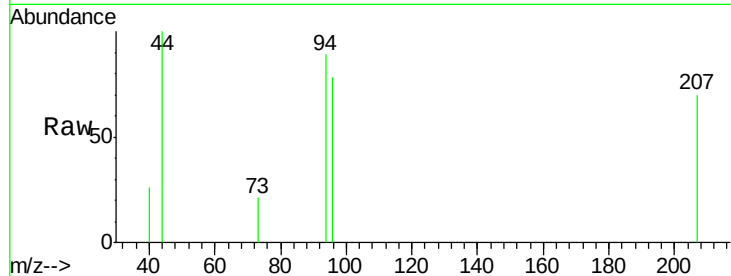
96 87.7 74.6 112.0

Manual Integrations

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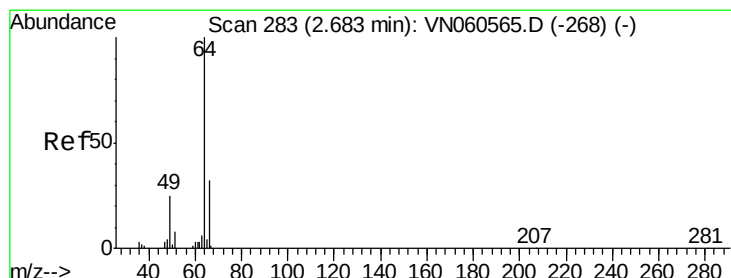
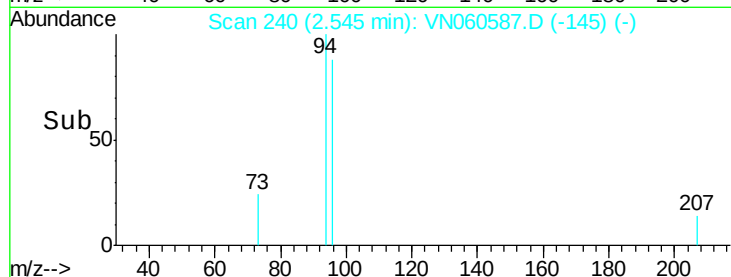
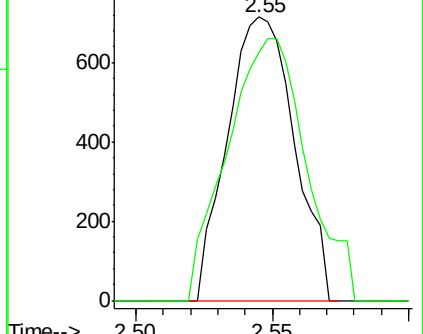
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.914 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060587.D

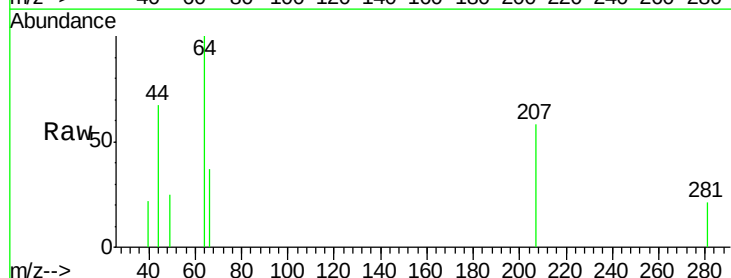
Acq: 18 Mar 2020 13:24

Tgt Ion: 64 Resp: 1536

Ion Ratio Lower Upper

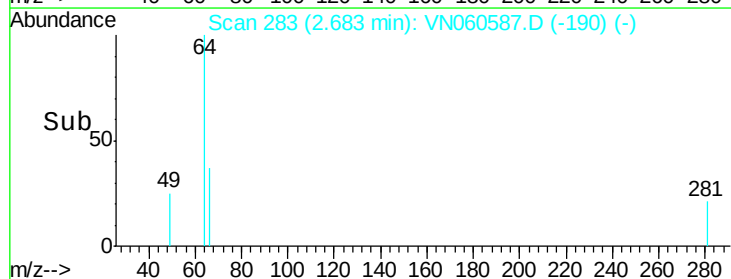
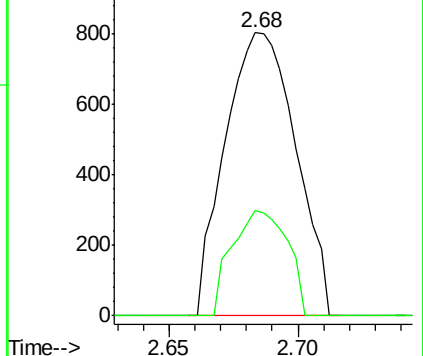
64 100

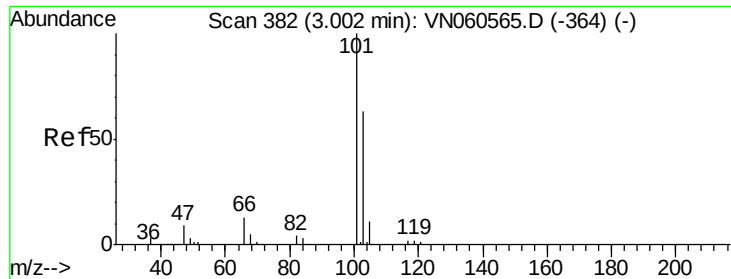
66 37.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

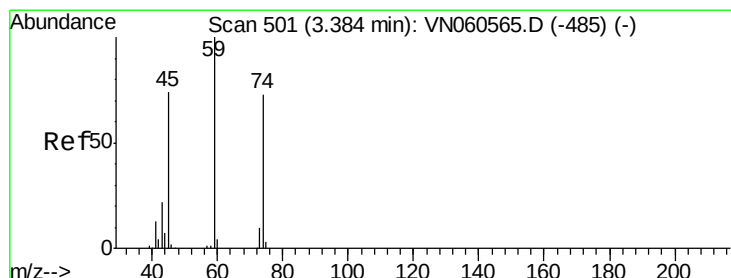
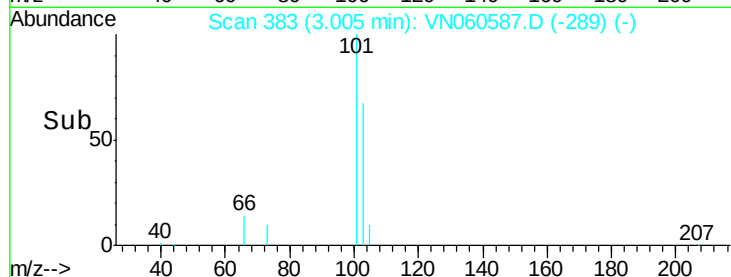
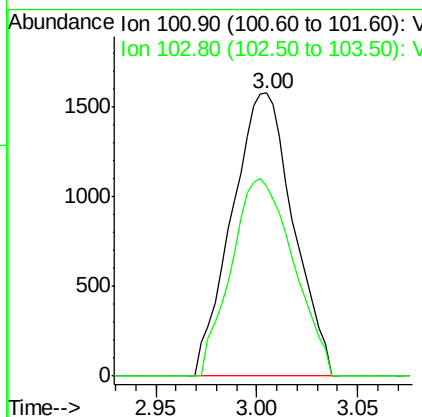
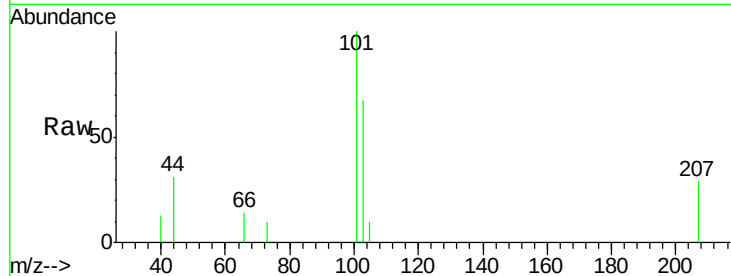
Trichlorofluoromethane
 Concen: 0.933 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	50.6	76.0

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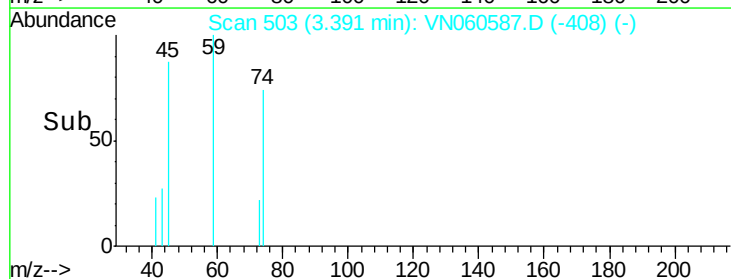
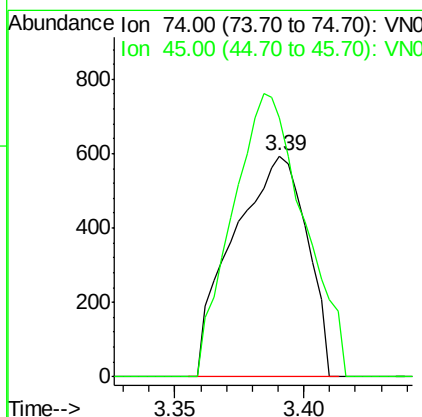
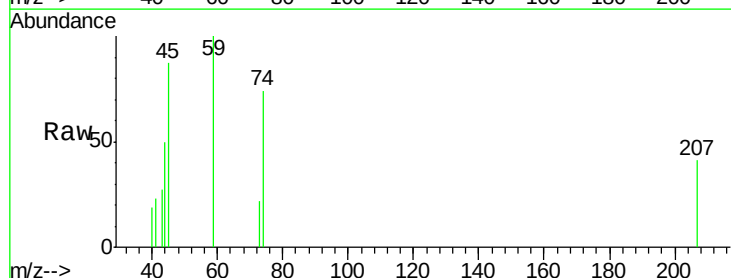
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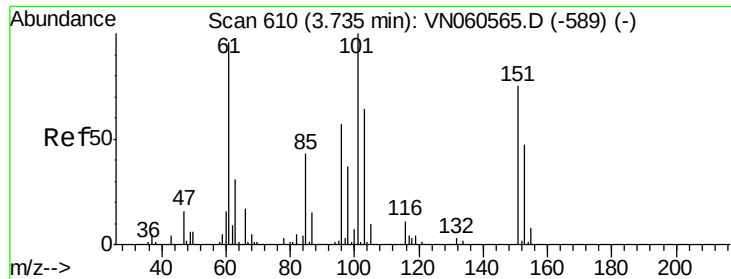


#8

Diethyl Ether
 Concen: 0.817 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.01 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	124.9	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.967 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060587.D

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Instrument :

MSVOA_N

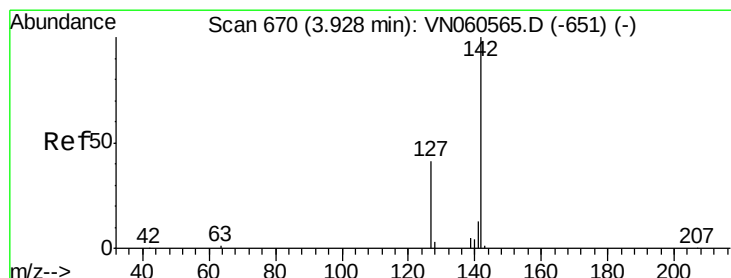
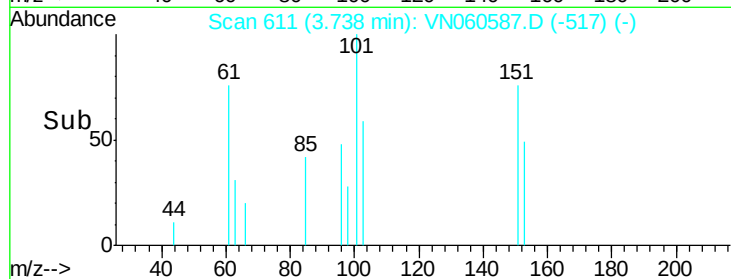
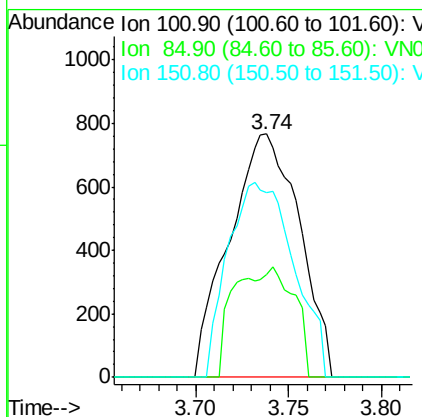
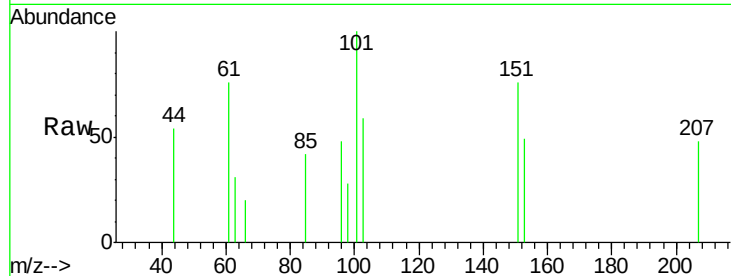
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	101	Resp:	2013
Ion Ratio	Lower	Upper	
101	100		
85	16.3	35.6	53.4#
151	74.9	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 1.046 ug/l

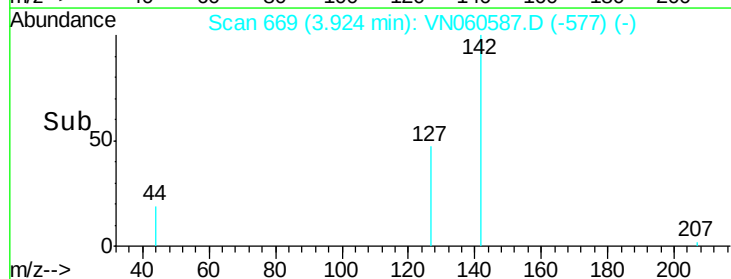
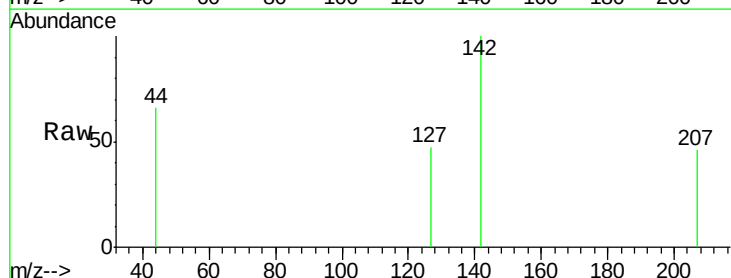
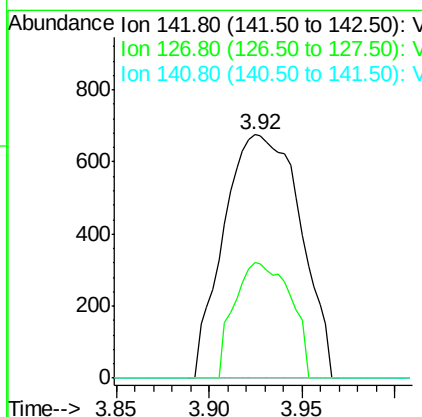
RT: 3.92 min Scan# 669

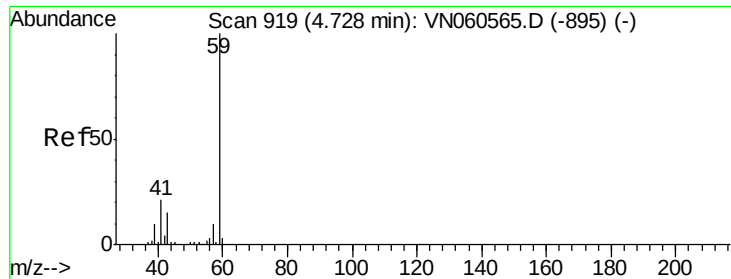
Delta R.T. -0.00 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	142	Resp:	1938
Ion Ratio	Lower	Upper	
142	100		
127	34.6	33.5	50.3
141	0.0	11.0	16.6#





#11

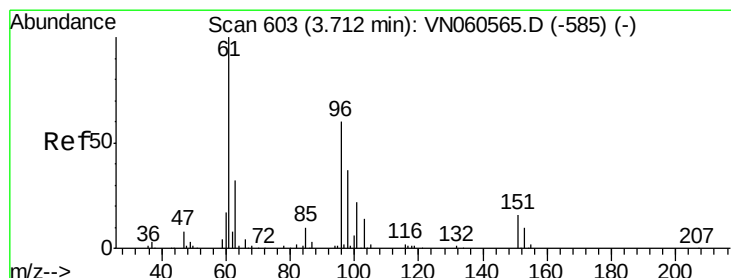
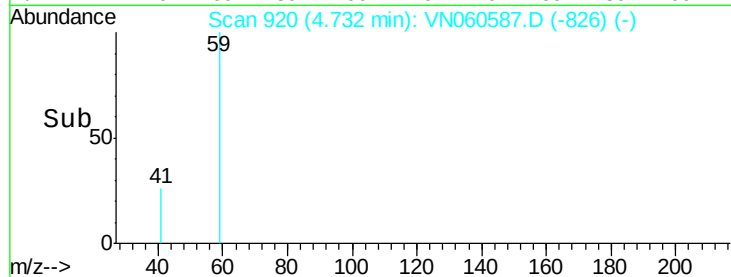
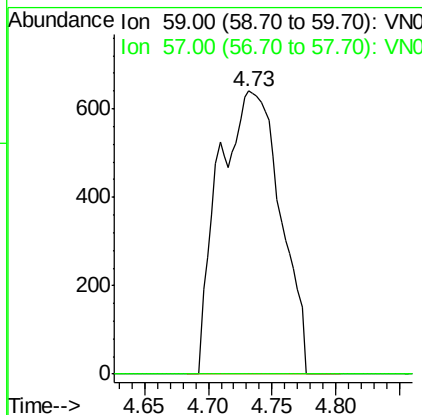
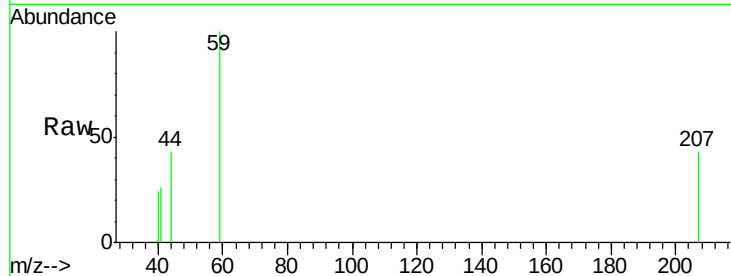
Tert butyl alcohol
Concen: 5.132 ug/l m
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 59 Resp: 2139
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

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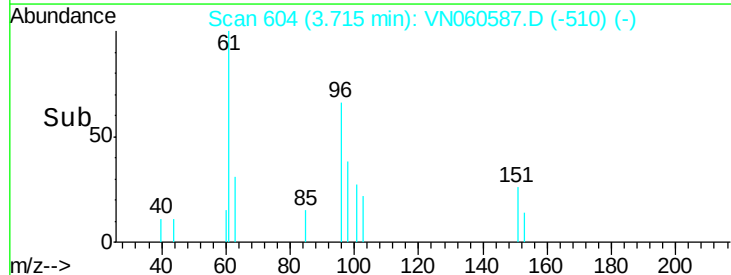
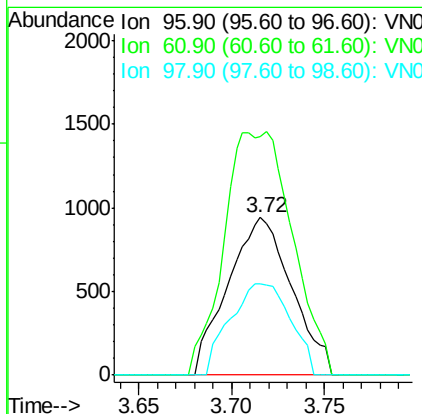
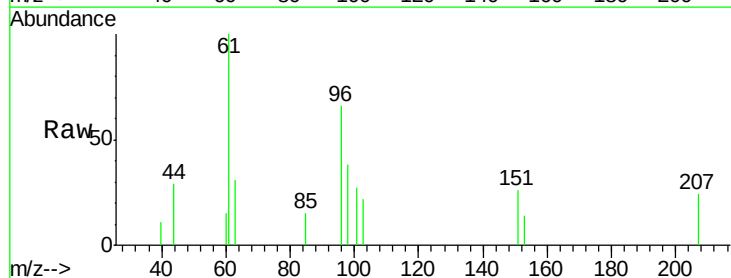
MMDadoda
3/19/2020 1:03:36 PM

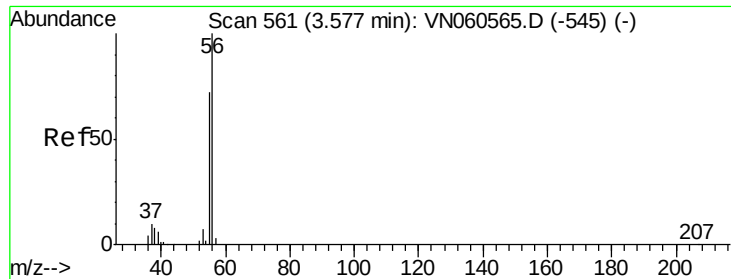


#12

1,1-Dichloroethene
Concen: 1.011 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion: 96 Resp: 2259
Ion Ratio Lower Upper
96 100
61 152.0 134.1 201.1
98 58.1 49.9 74.9





#13

Acrolein

Concen: 4.170 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 56 Resp: 1926

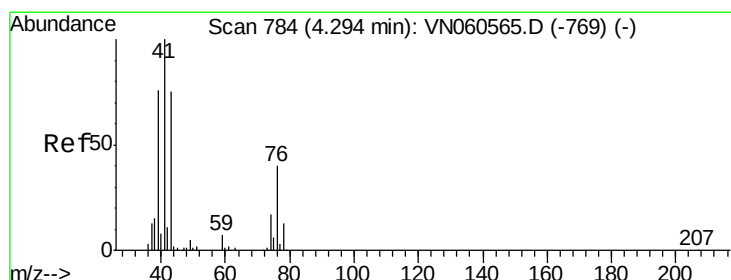
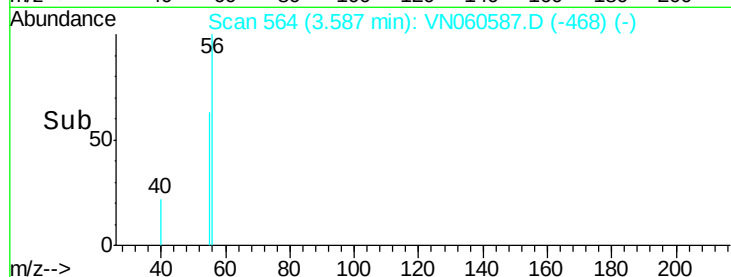
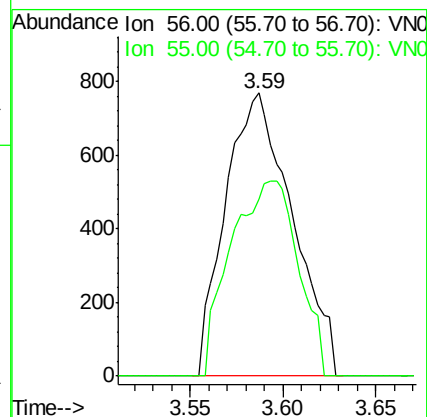
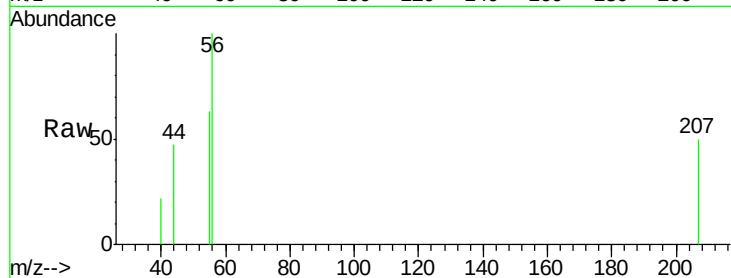
Ion Ratio Lower Upper

56 100

55 69.4 56.7 85.1

Manual Integrations
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#14

Allyl chloride

Concen: 1.019 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

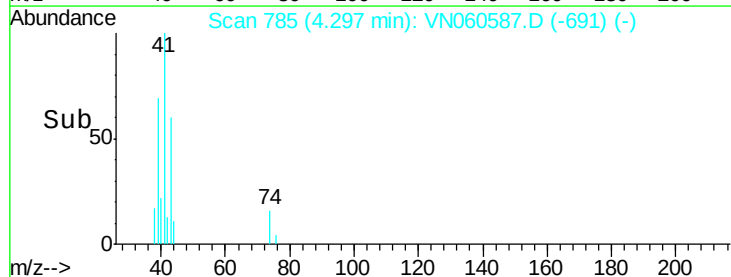
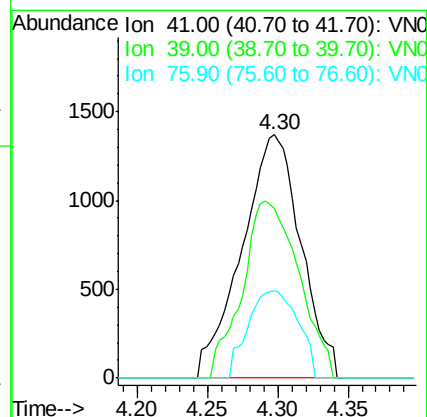
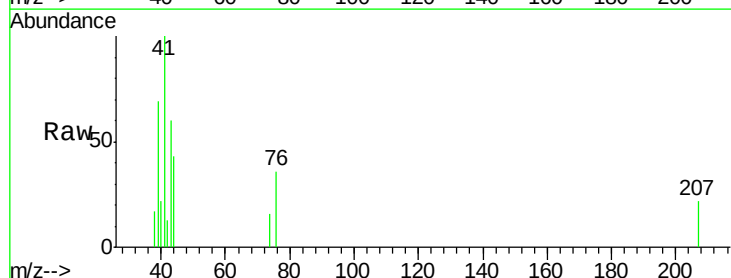
Tgt Ion: 41 Resp: 4006

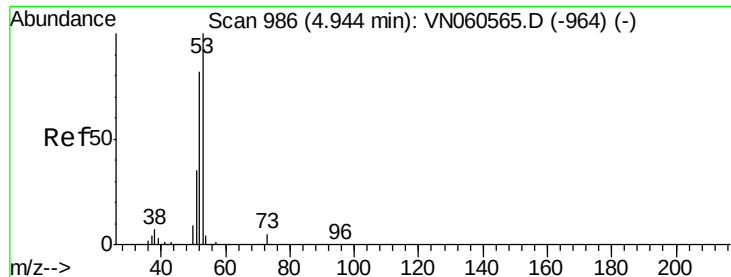
Ion Ratio Lower Upper

41 100

39 69.5 57.8 86.8

76 30.3 28.6 43.0





#15

Acrylonitrile

Concen: 4.184 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.02 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_N

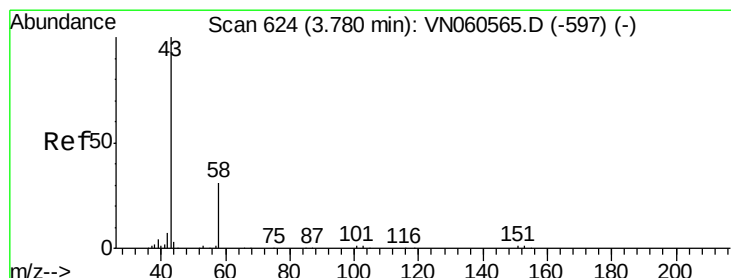
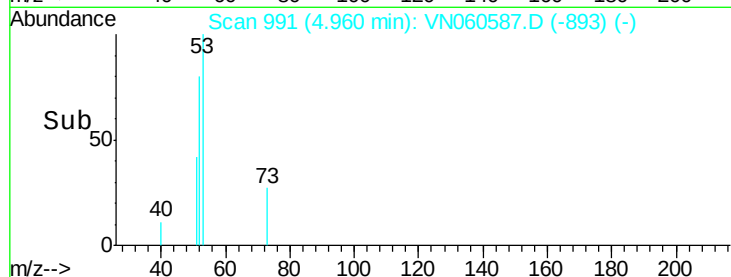
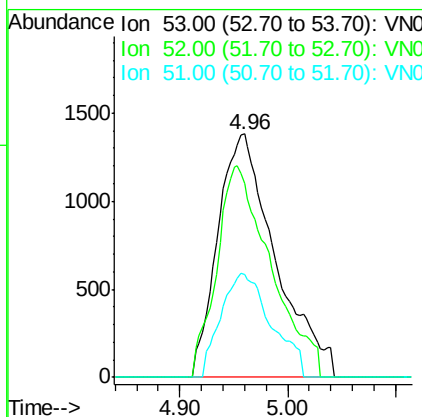
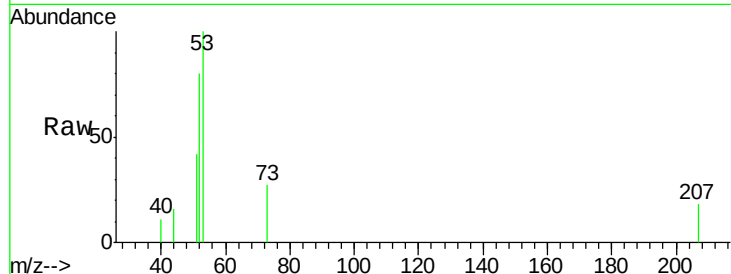
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	53	Resp:	5128
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.2	99.4
51	37.5	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 4.918 ug/l

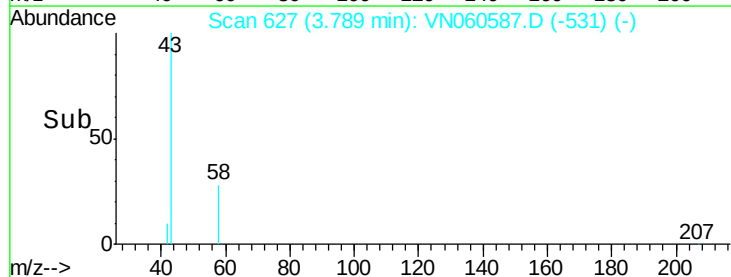
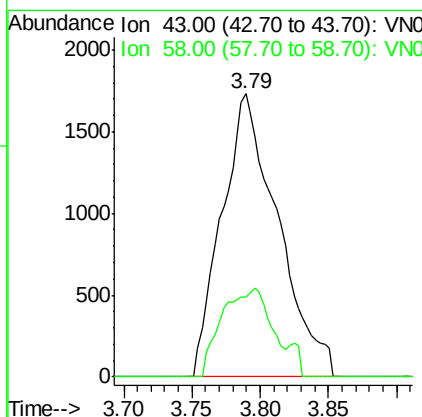
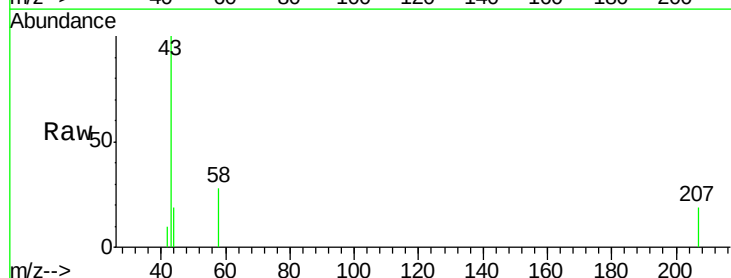
RT: 3.79 min Scan# 627

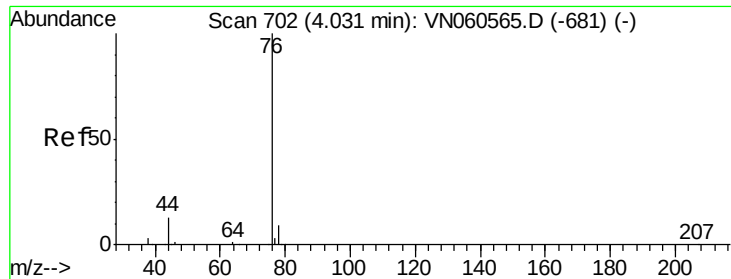
Delta R.T. 0.01 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	43	Resp:	4937
Ion	Ratio	Lower	Upper
43	100		
58	28.3	25.1	37.7





#17

Carbon Disulfide

Concen: 1.010 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 76 Resp: 6868

Ion Ratio Lower Upper

76 100

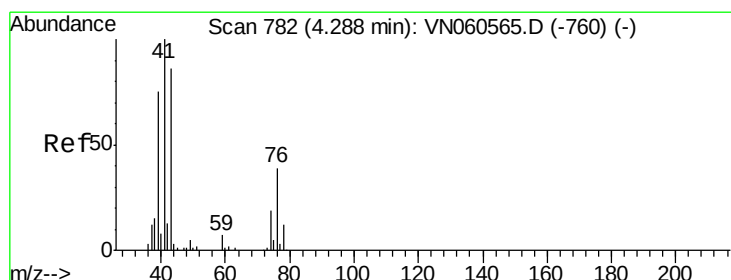
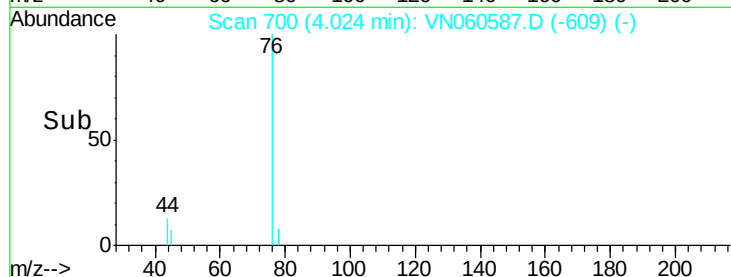
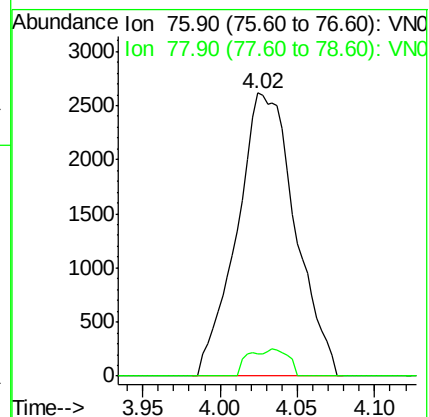
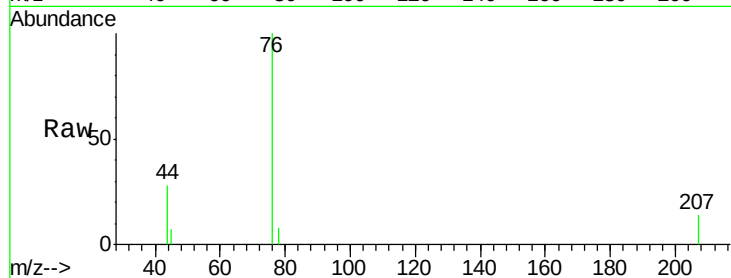
78 8.1 7.2 10.8

Manual Integrations

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MMDadoda

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#18

Methyl Acetate

Concen: 0.860 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN060587.D

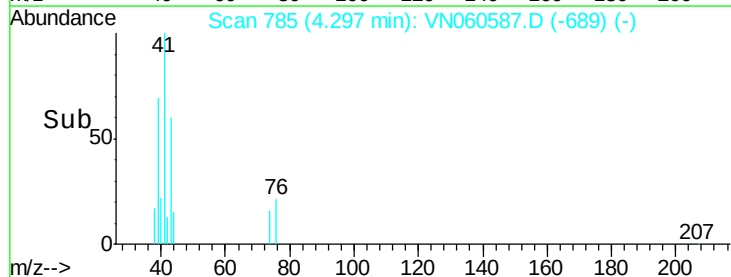
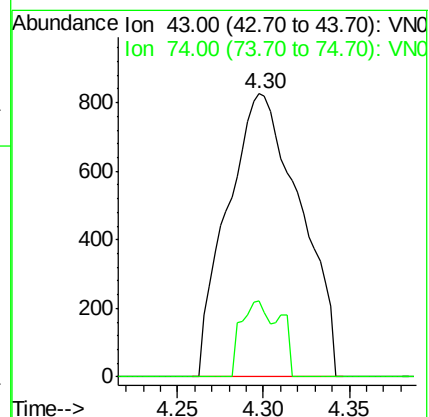
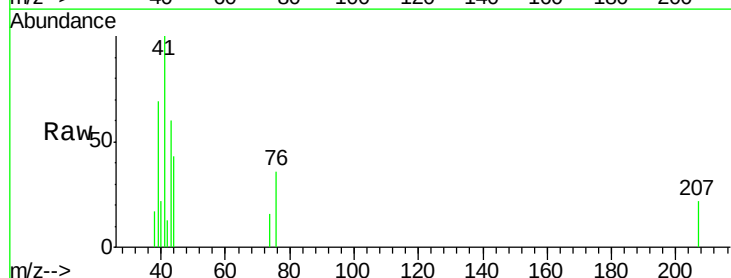
Acq: 18 Mar 2020 13:24

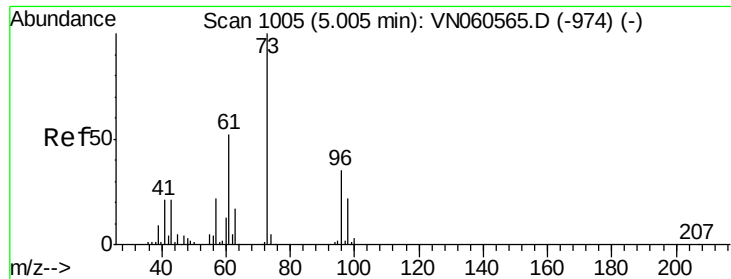
Tgt Ion: 43 Resp: 2430

Ion Ratio Lower Upper

43 100

74 10.2 17.5 26.3#





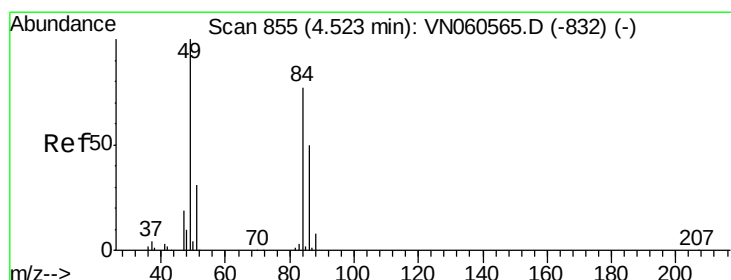
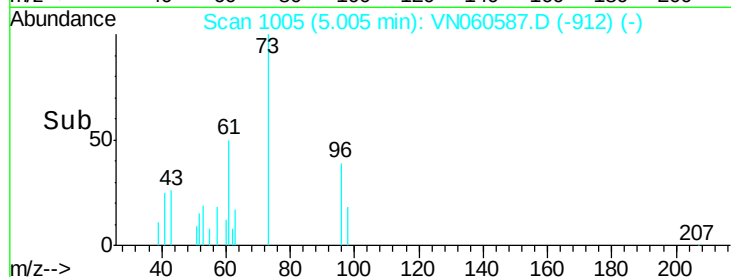
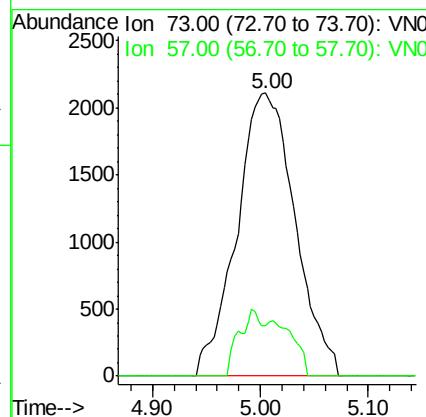
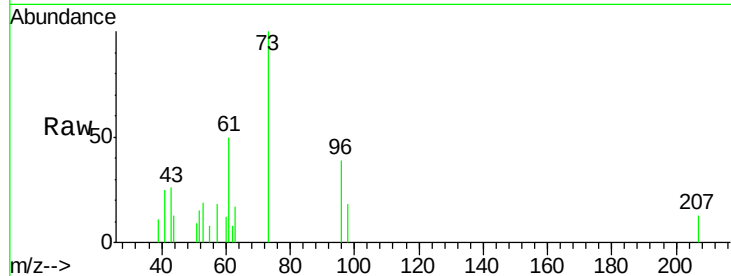
#19
Methvl tert-butyl Ether
Concen: 1.032 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 73 Resp: 7933
Ion Ratio Lower Upper
73 100
57 18.0 17.5 26.3

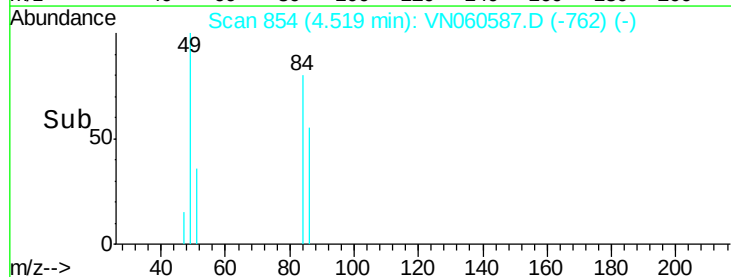
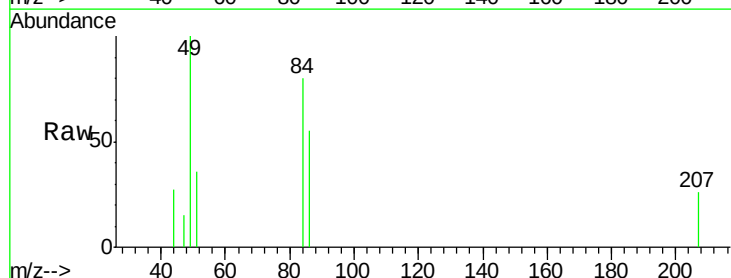
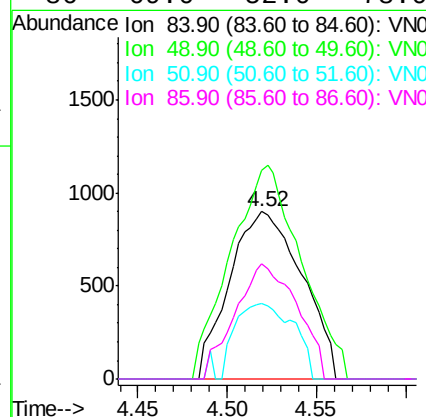
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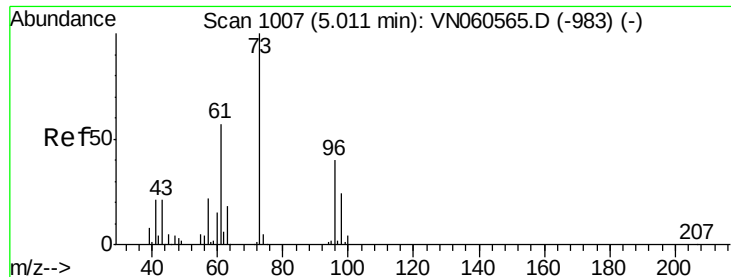
MMDadoda
3/19/2020 1:03:36 PM



#20
Methylene Chloride
Concen: 1.034 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion: 84 Resp: 2553
Ion Ratio Lower Upper
84 100
49 124.8 103.3 154.9
51 45.0 31.6 47.4
86 69.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 1.056 ug/l m

RT: 5.00 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_N

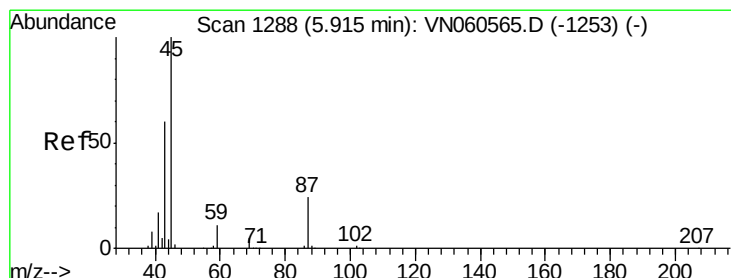
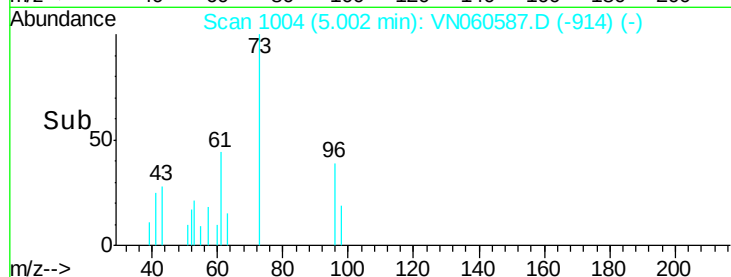
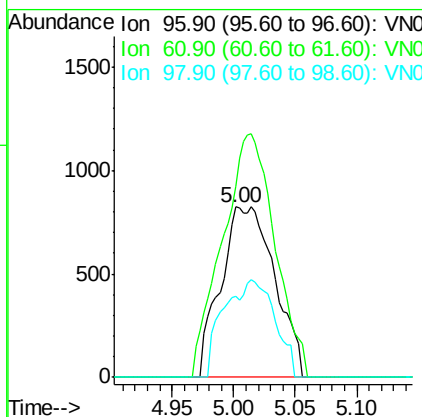
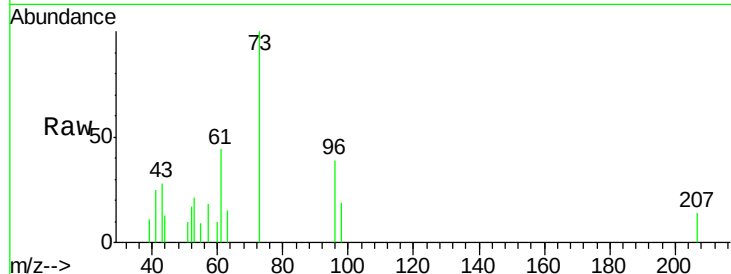
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	96	Resp:	2516
Ion	Ratio	Lower	Upper
96	100		
61	112.3	114.4	171.6#
98	47.6	48.4	72.6#

Manual Integrations
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3/19/2020 1:03:36 PM



#22

Diisopropyl ether

Concen: 0.959 ug/l

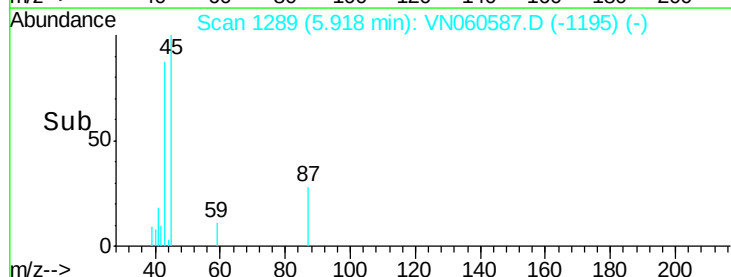
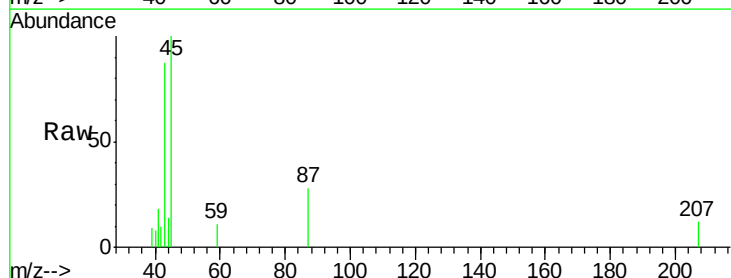
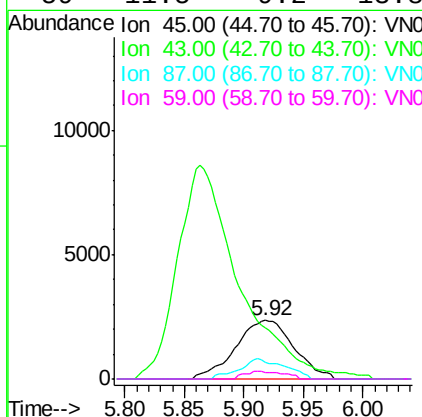
RT: 5.92 min Scan# 1289

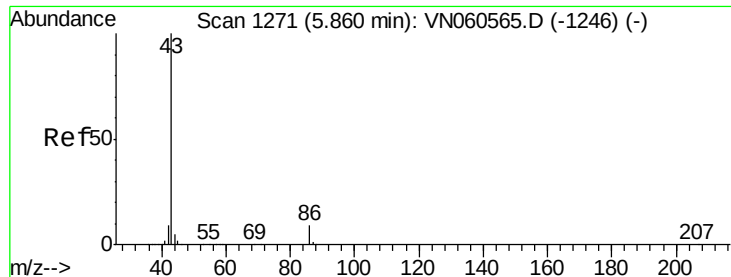
Delta R.T. 0.00 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	45	Resp:	7967
Ion	Ratio	Lower	Upper
45	100		
43	75.6	49.8	74.8#
87	28.4	20.1	30.1
59	11.5	9.2	13.8





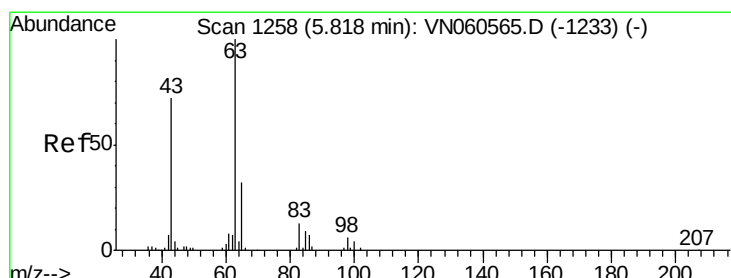
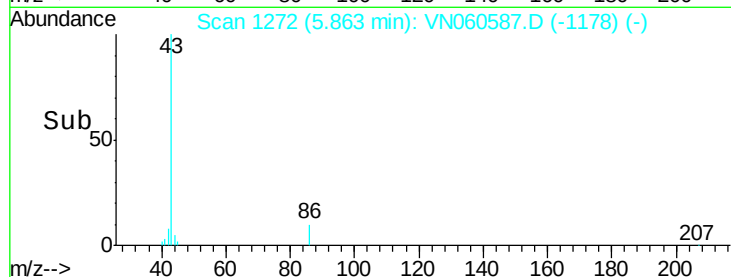
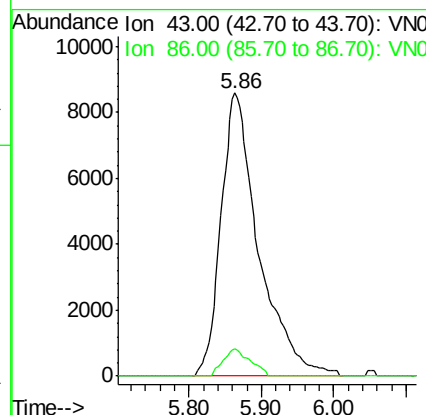
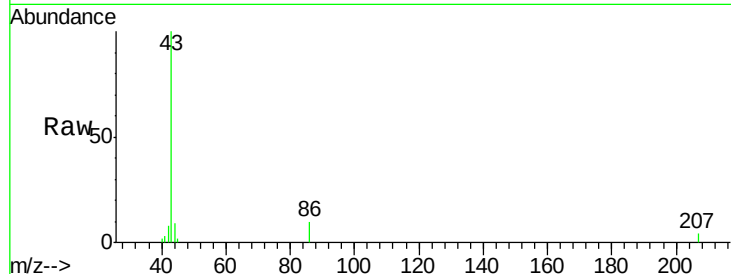
#23
 Vinyl Acetate
 Concen: 4.569 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	43	Resp	30961
Ion Ratio	Lower	Upper	
43	100		
86	9.5	7.6	11.4

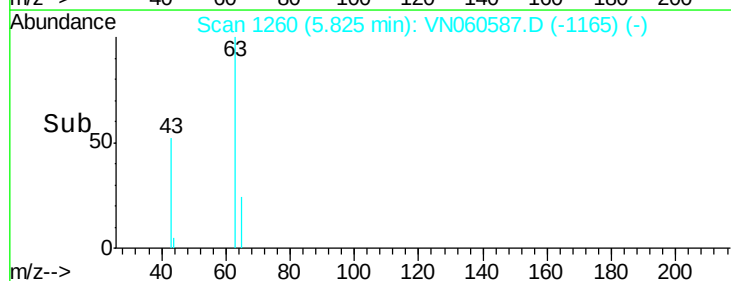
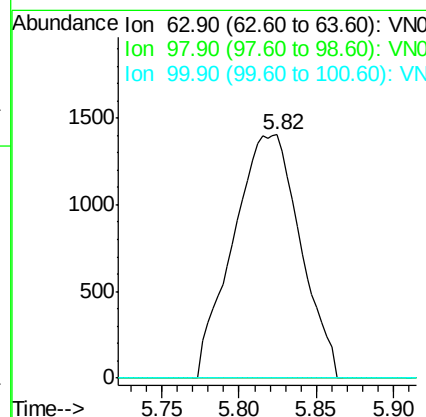
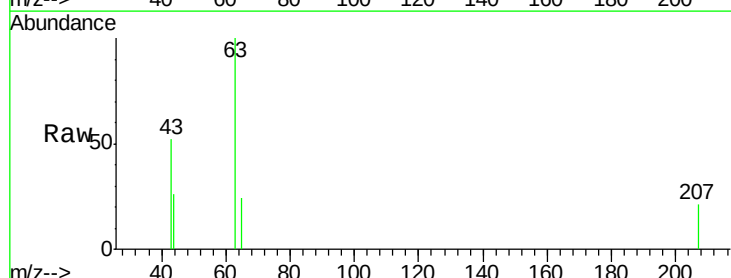
Manual Integrations
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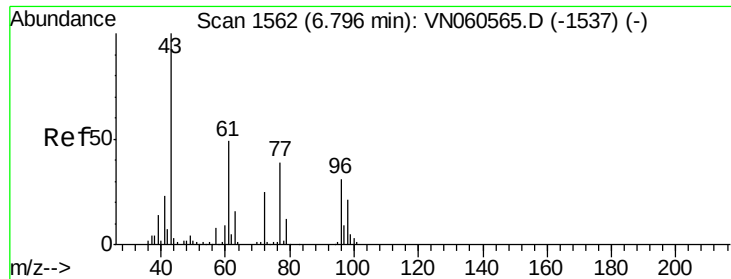
MMDadoda
 3/19/2020 1:03:36 PM



#24
 1,1-Dichloroethane
 Concen: 0.935 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Tgt Ion	63	Resp	4231
Ion Ratio	Lower	Upper	
63	100		
98	0.0	2.9	8.7#
100	0.0	1.8	5.5#





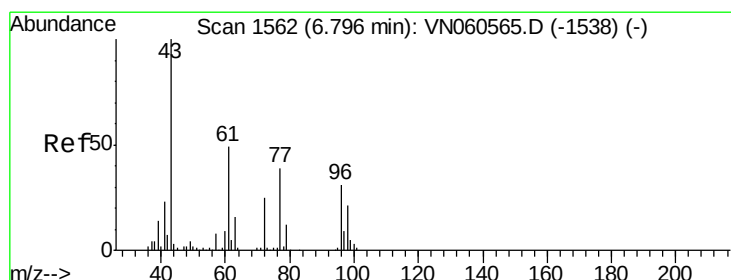
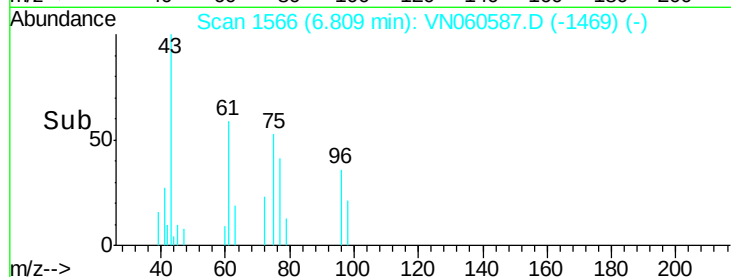
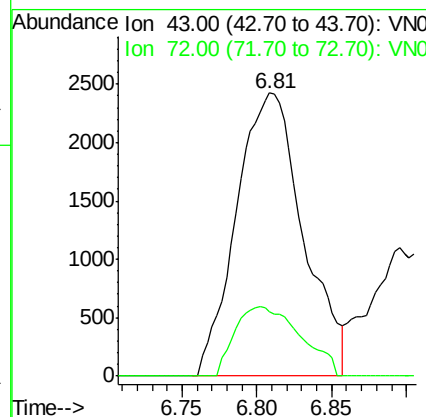
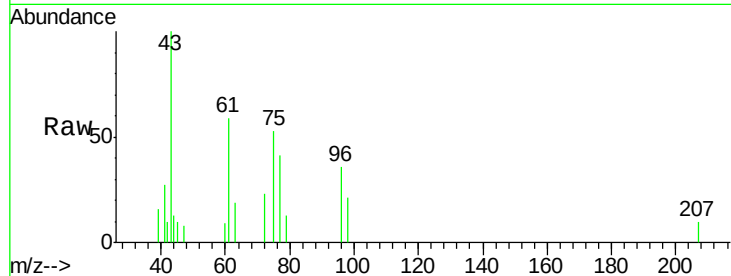
#25
2-Butanone
Concen: 4.631 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 7522
Ion Ratio Lower Upper
43 100
72 22.9 20.4 30.6

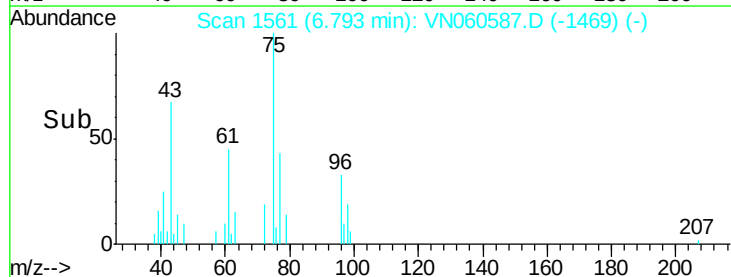
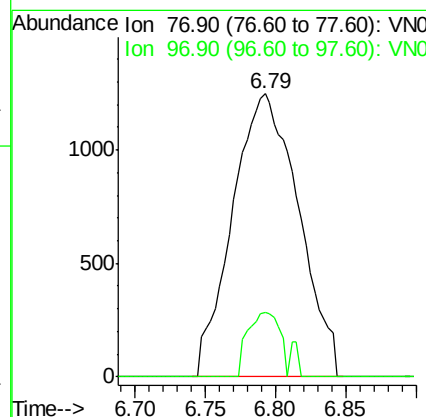
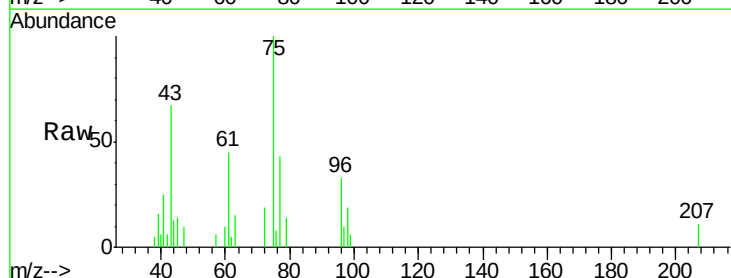
Manual Integrations
APPROVED

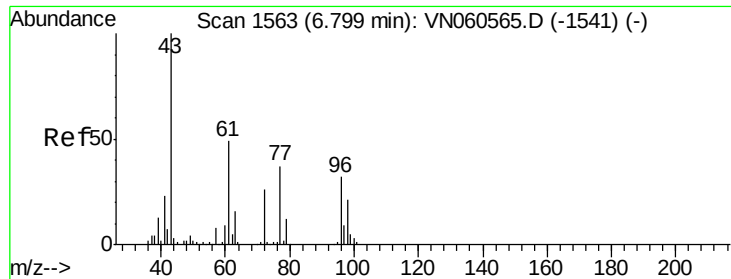
MMDadoda
3/19/2020 1:03:36 PM



#26
2,2-Dichloropropane
Concen: 1.143 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion: 77 Resp: 4073
Ion Ratio Lower Upper
77 100
97 11.1 11.4 34.1#





#27

cis-1,2-Dichloroethene

Concen: 1.047 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_N

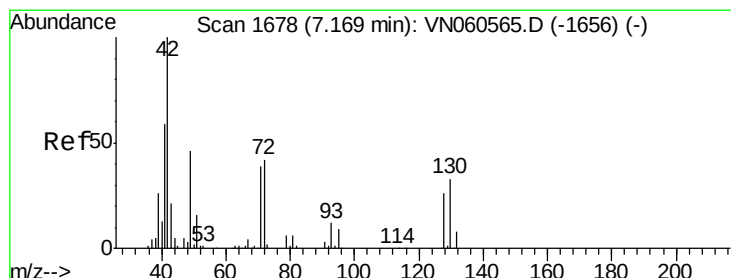
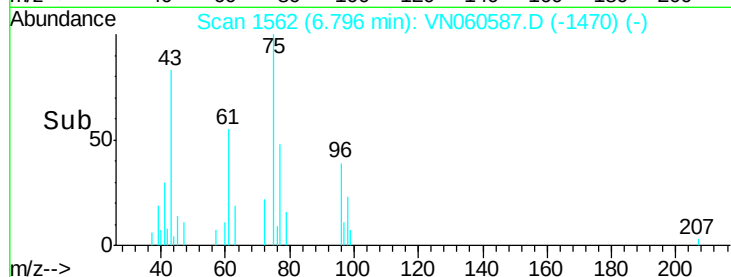
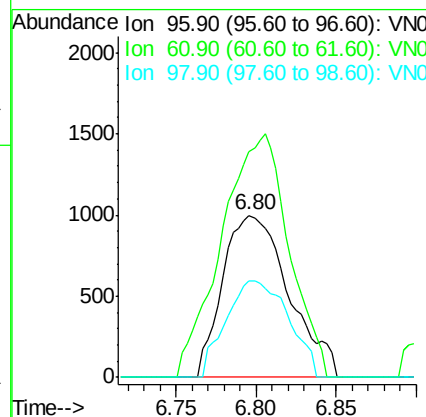
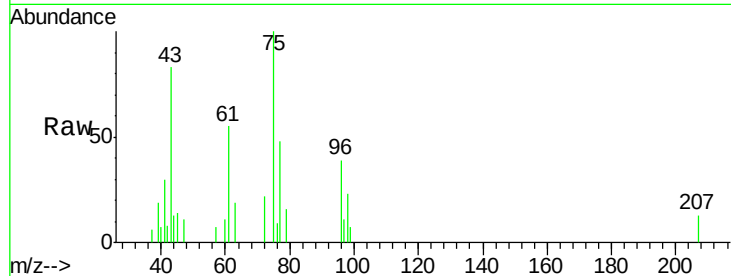
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	96	Resp:	2834
Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	305.6
98	56.2	0.0	127.6

Manual Integrations
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MMDadoda
3/19/2020 1:03:36 PM



#28

Bromochloromethane

Concen: 0.862 ug/l

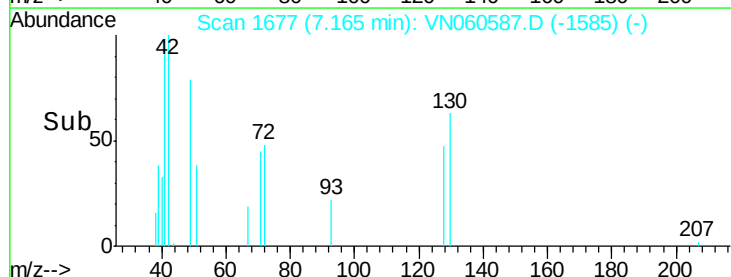
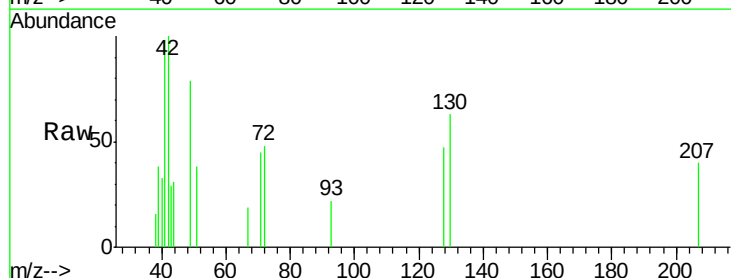
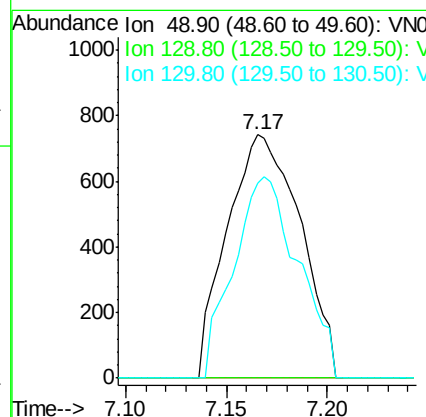
RT: 7.17 min Scan# 1677

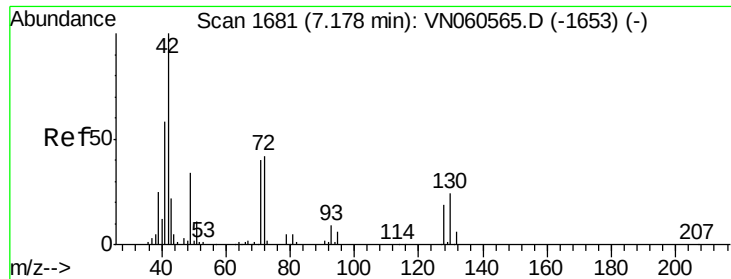
Delta R.T. -0.00 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	49	Resp:	1867
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	73.2	55.0	82.4





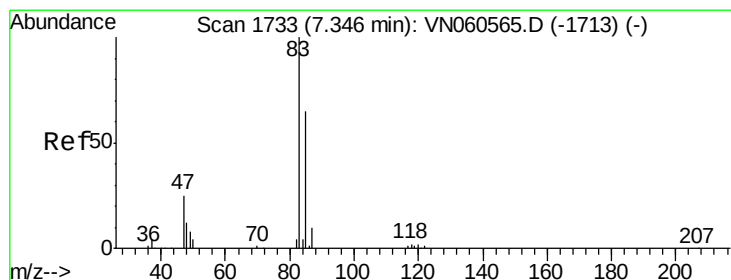
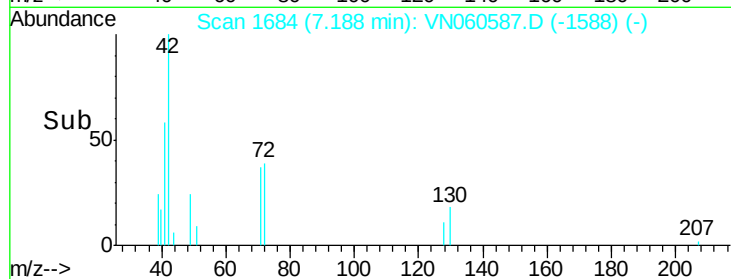
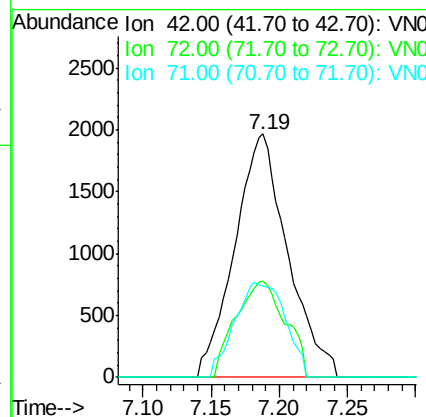
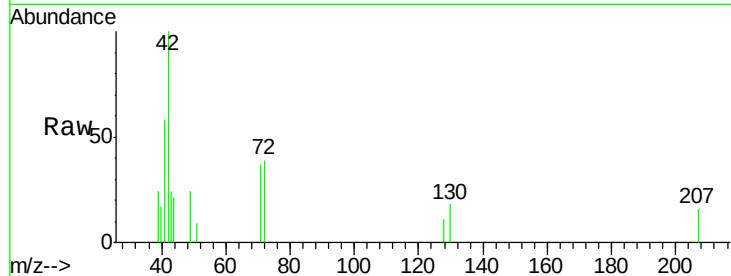
#29
Tetrahydrofuran
Concen: 4.611 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	33.2	49.8
71	37.1	31.1	46.7

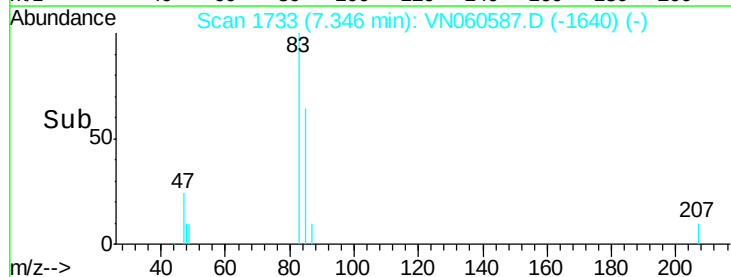
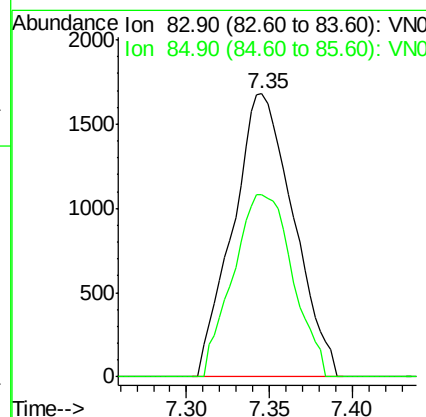
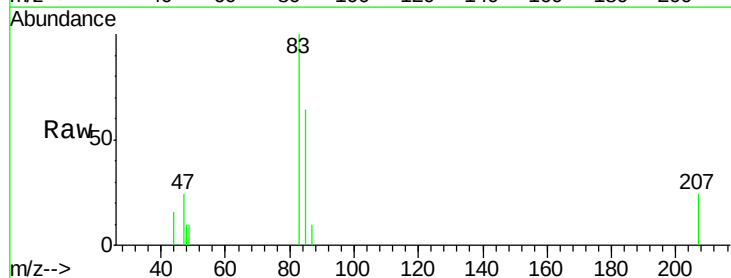
Manual Integrations
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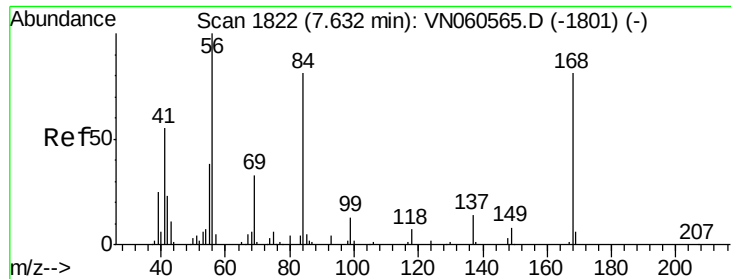
MMDadoda
3/19/2020 1:03:36 PM



#30
Chloroform
Concen: 0.980 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.8





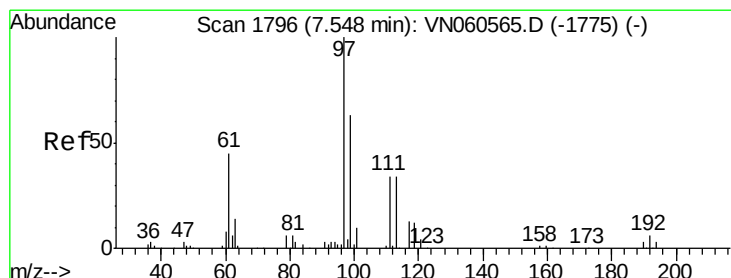
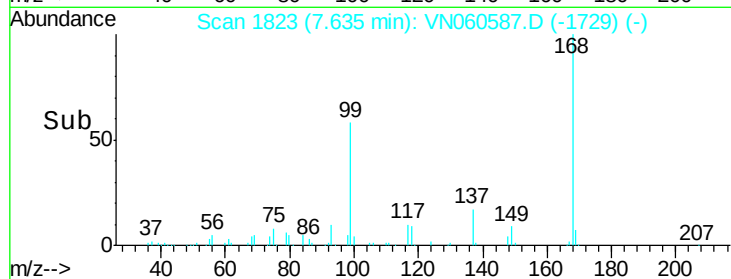
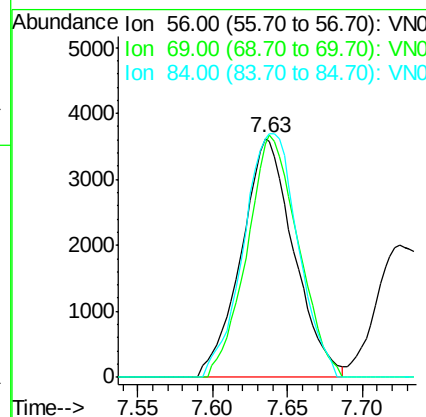
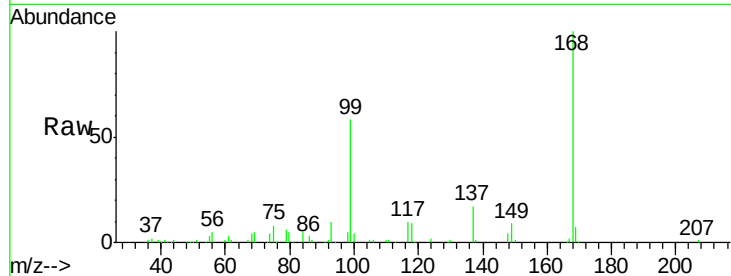
#31
Cyclohexane
Concen: 1.939 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	97.6	26.6	40.0#
84	100.1	64.3	96.5#

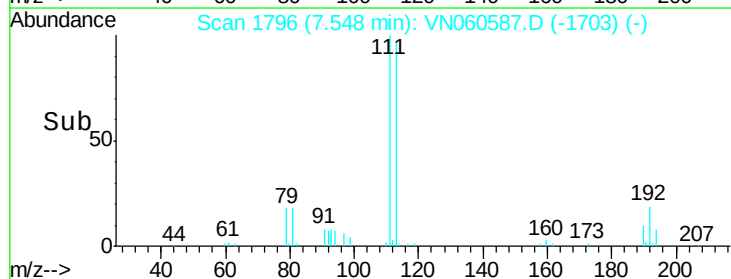
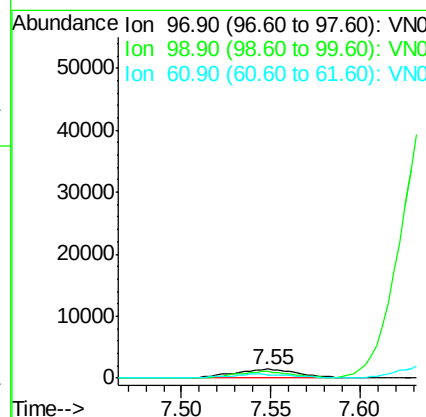
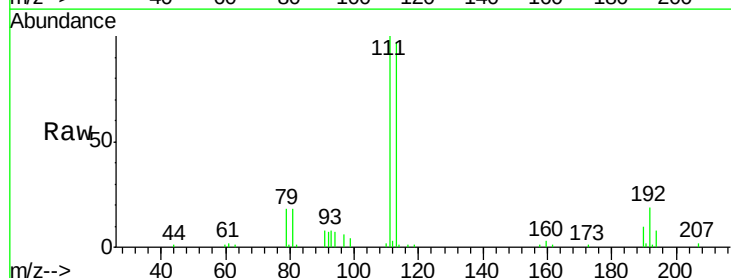
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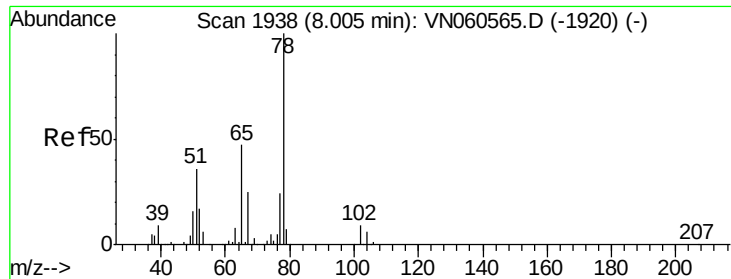
MMDadoda
3/19/2020 1:03:36 PM



#32
1,1,1-Trichloroethane
Concen: 0.954 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	75.8#
61	43.5	36.2	54.4





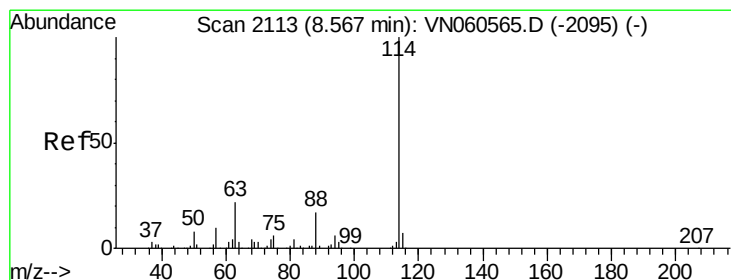
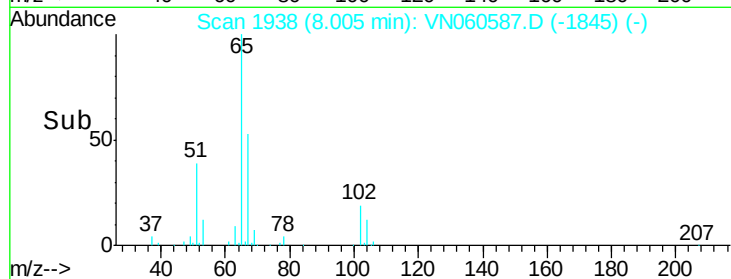
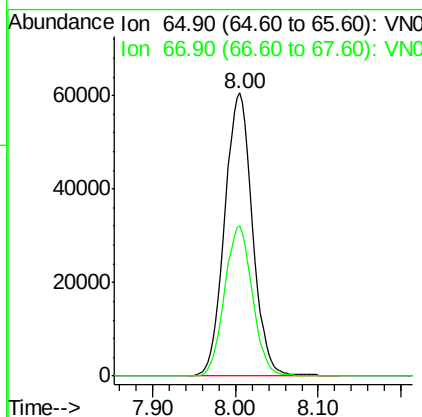
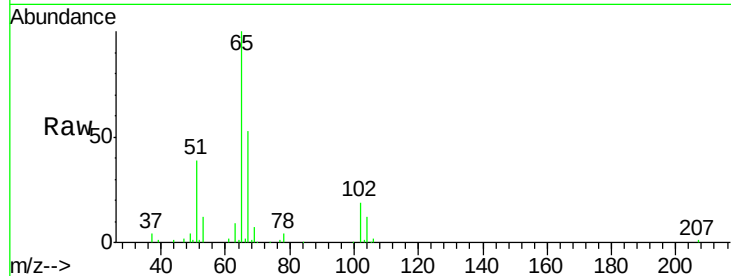
#33
 1,2-Dichloroethane-d4
 Concen: 49.912 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	141444		
67	52.9	0.0	107.6	

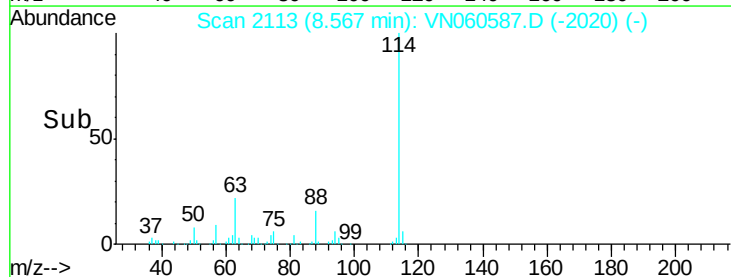
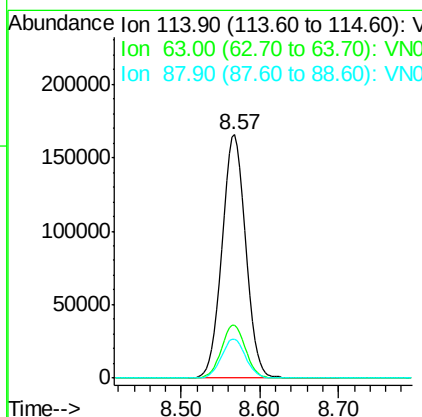
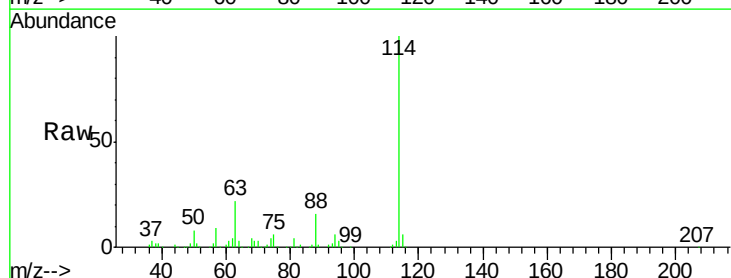
Manual Integrations
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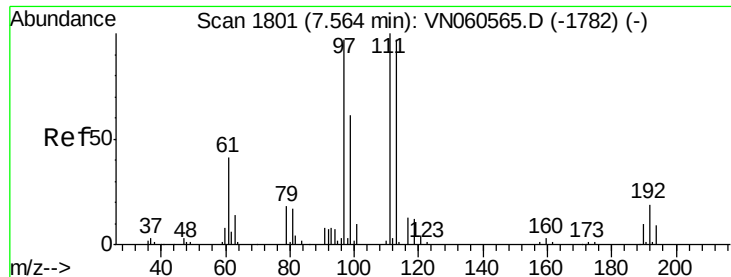
MMDadoda
 3/19/2020 1:03:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	343296		
63	21.6	0.0	43.8	
88	16.2	0.0	33.0	





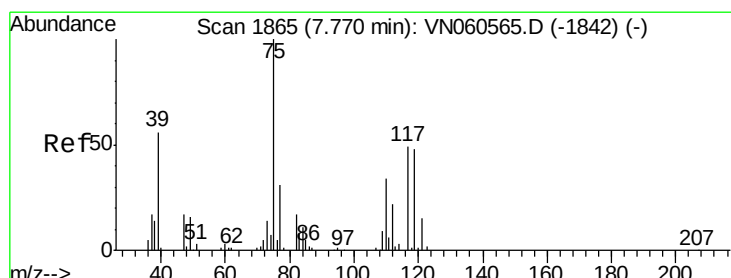
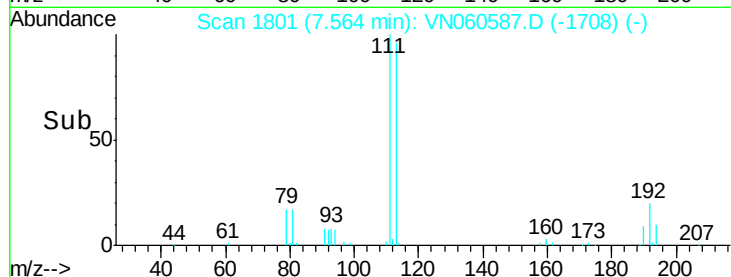
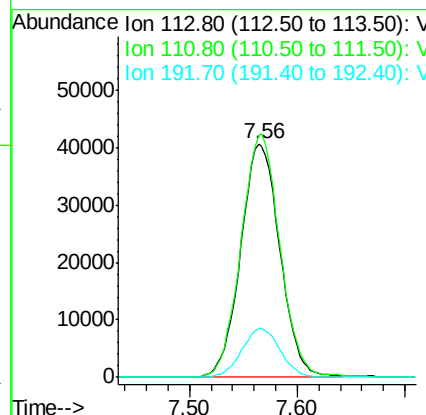
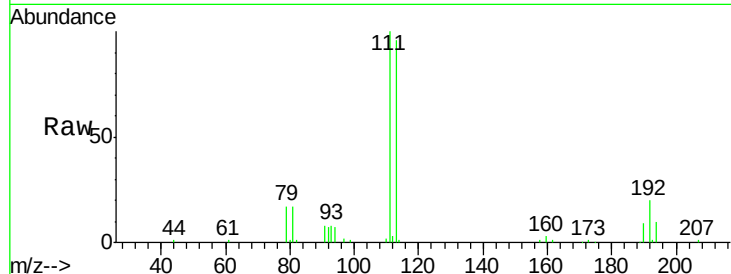
#35
Dibromofluoromethane
Concen: 49.537 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.8	82.9	124.3	
192	20.4	15.8	23.8	

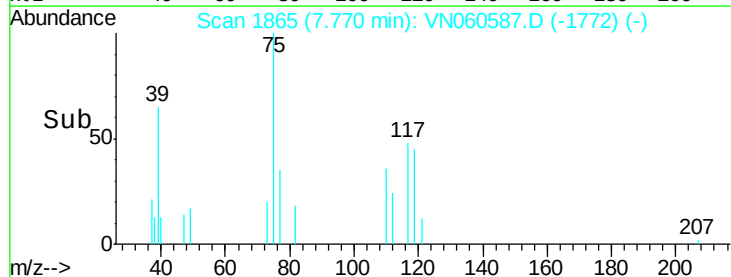
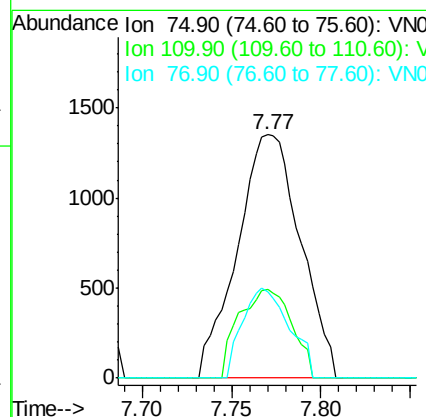
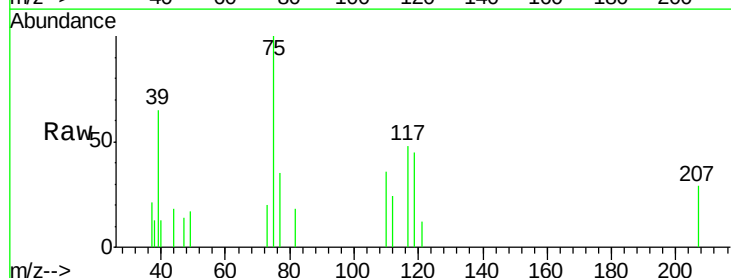
Manual Integrations
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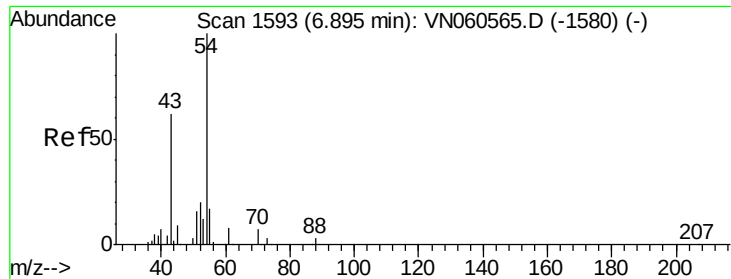
MMDadoda
3/19/2020 1:03:36 PM



#36
1,1-Dichloropropene
Concen: 1.001 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	30.6	16.9	50.6	
77	27.3	24.6	36.8	





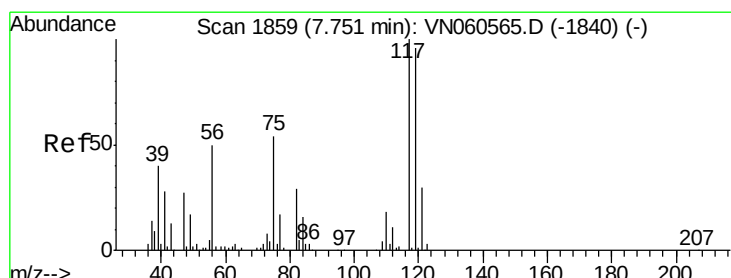
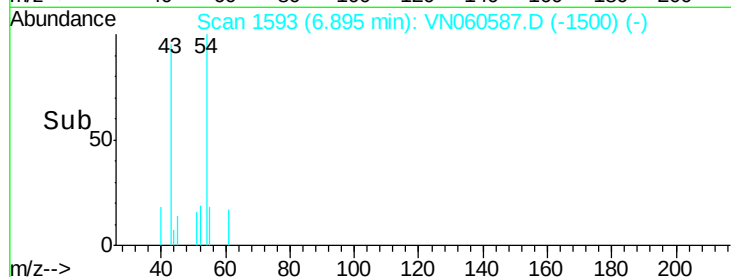
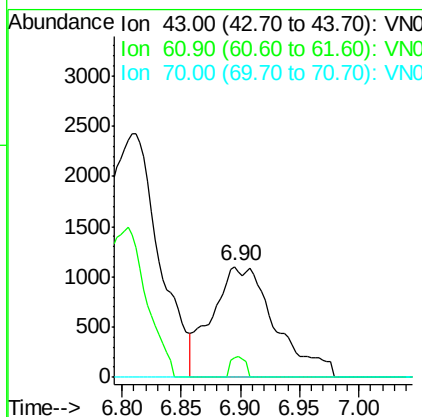
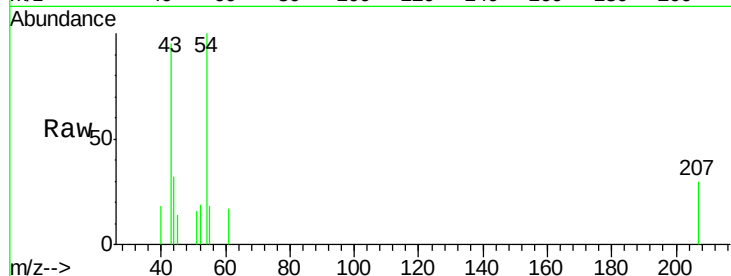
#37
Ethyl Acetate
Concen: 1.148 ug/l m
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	4.3	10.6	15.8#
70	0.0	7.9	11.9#

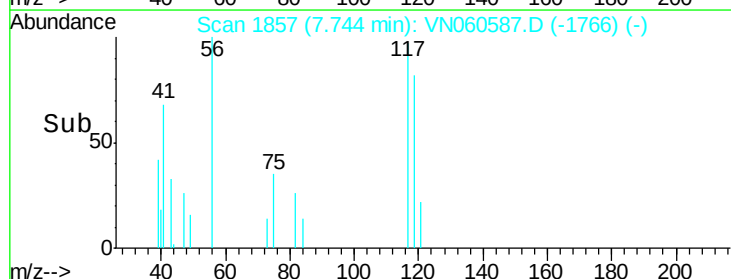
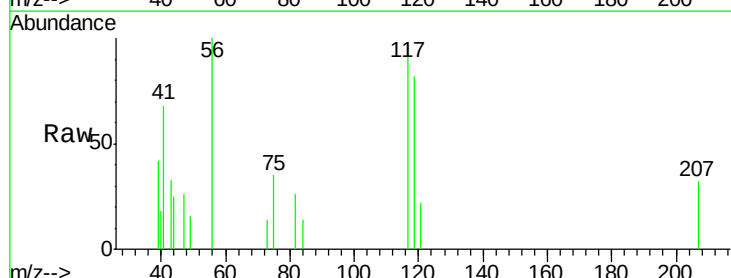
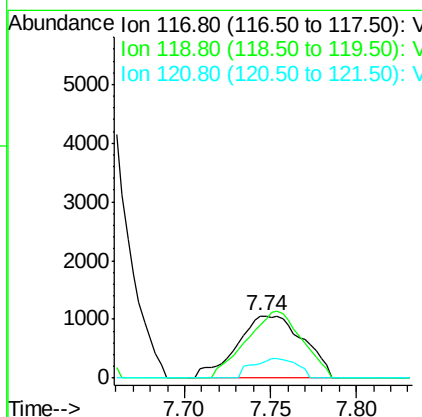
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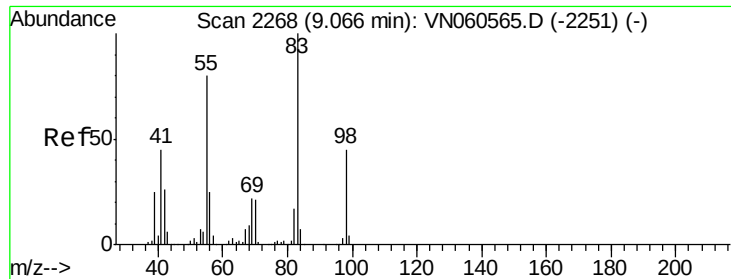
MMDadoda
3/19/2020 1:03:36 PM



#38
Carbon Tetrachloride
Concen: 0.957 ug/l
RT: 7.74 min Scan# 1857
Delta R.T. -0.01 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.0	76.2	114.2
121	22.6	23.7	35.5#





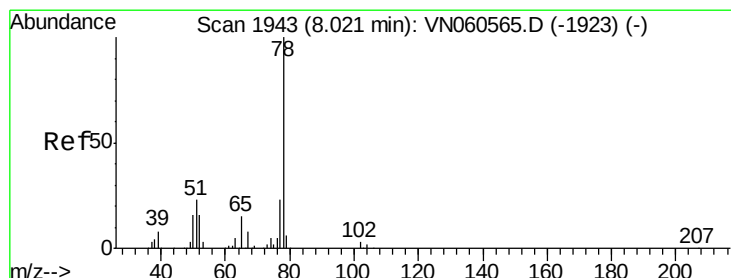
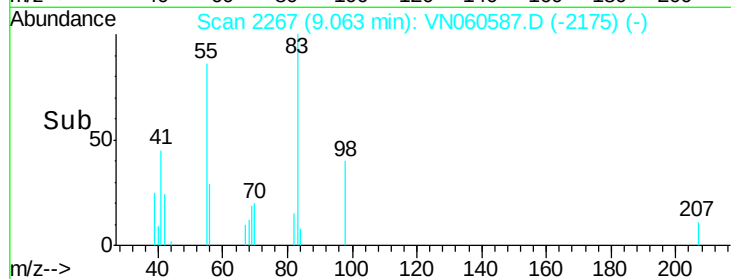
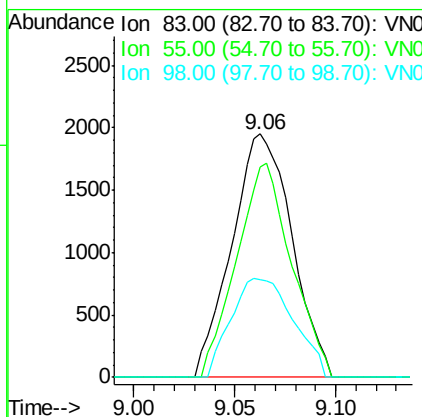
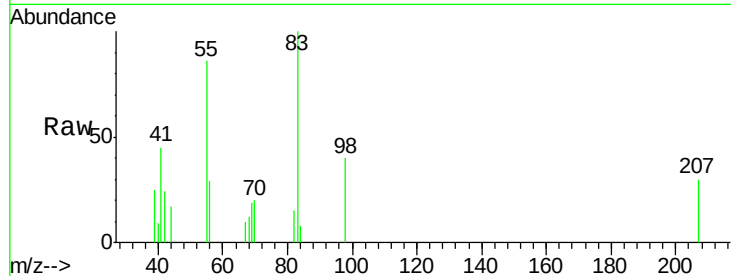
#39
Methylvlcyclohexane
Concen: 1.026 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	83	Resp	4054
Ion	Ratio	Lower	Upper
83	100		
55	86.3	63.6	95.4
98	39.9	36.0	54.0

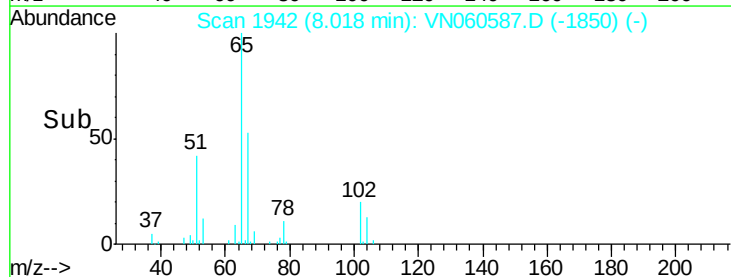
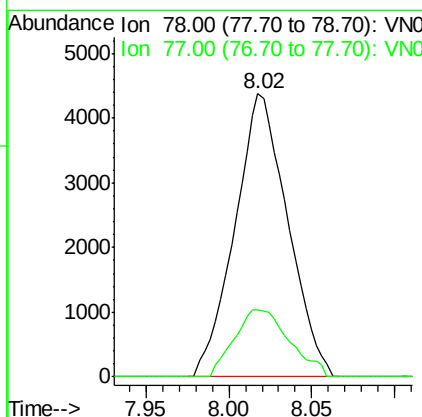
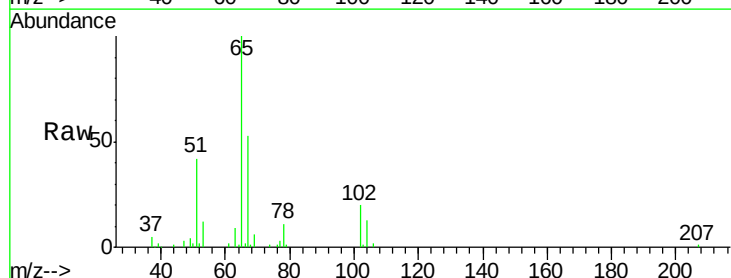
Manual Integrations
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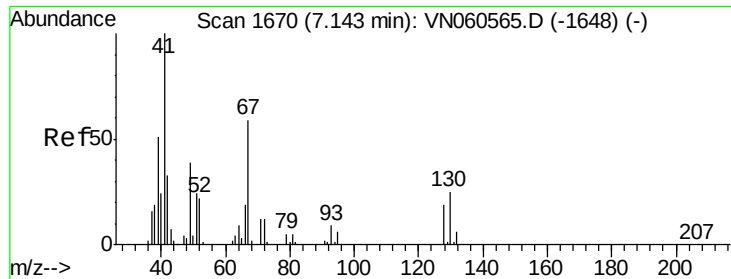
MMDadoda
3/19/2020 1:03:36 PM



#40
Benzene
Concen: 0.964 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion	78	Resp	9676
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0





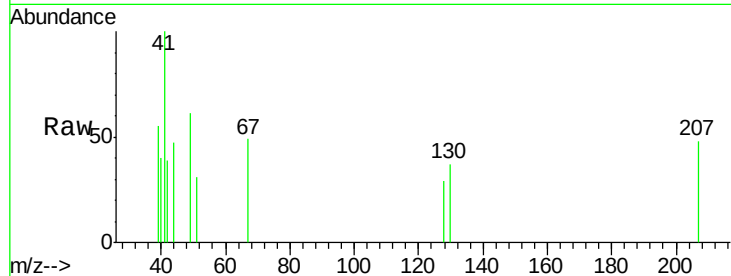
#41
Methacrylonitrile
Concen: 0.935 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

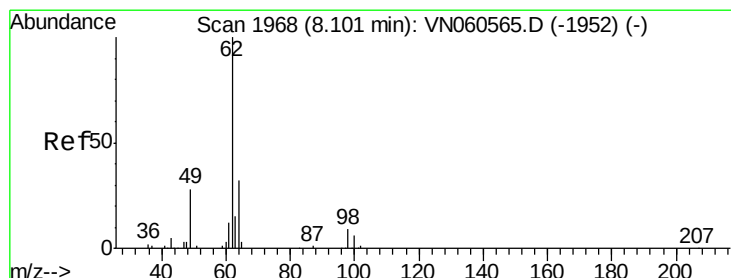
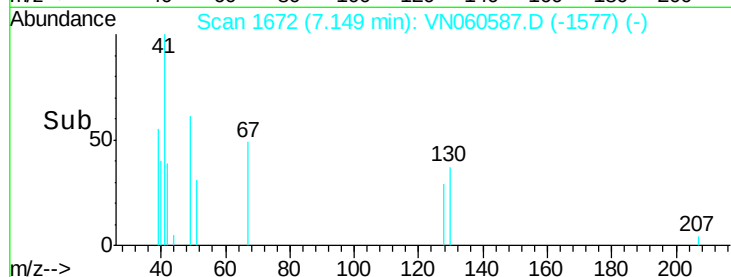
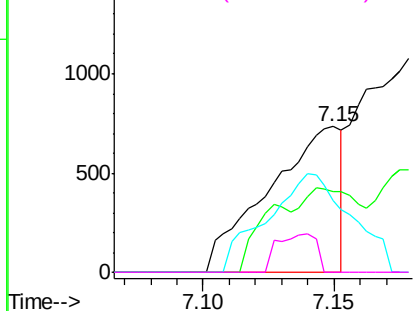
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	16.3	0.0	0.0	#
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

Manual Integrations
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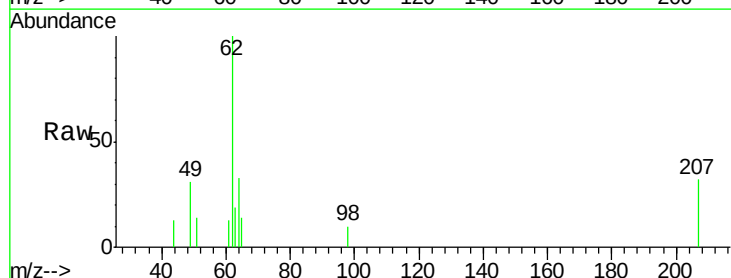


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

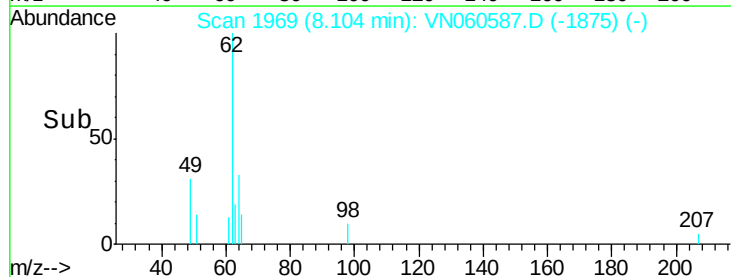
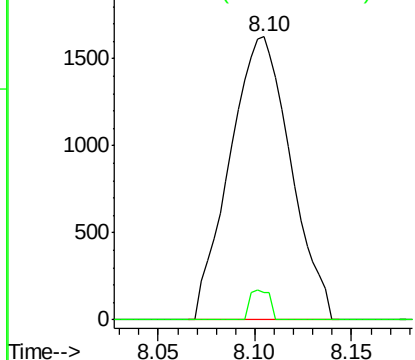


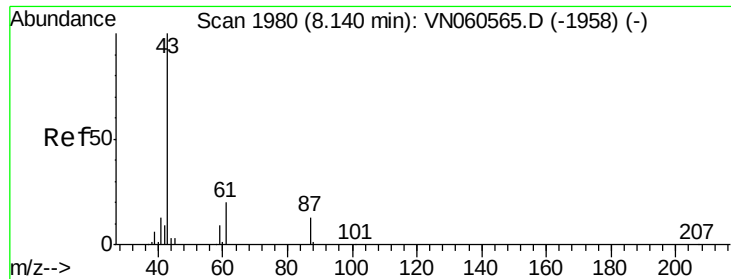
#42
1,2-Dichloroethane
Concen: 1.038 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	3.4	0.0	17.8	



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





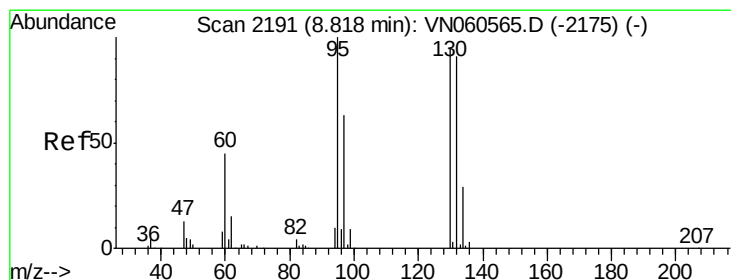
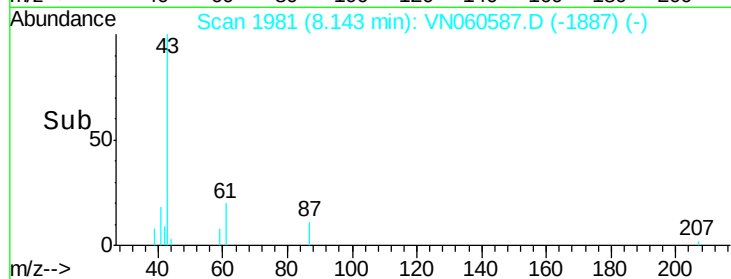
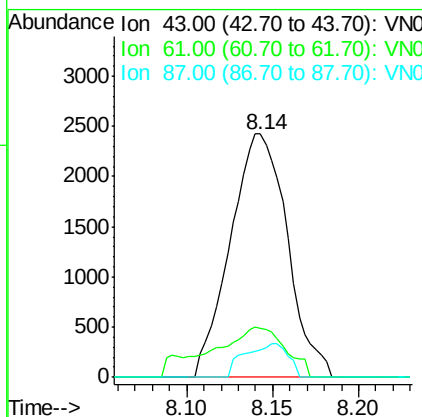
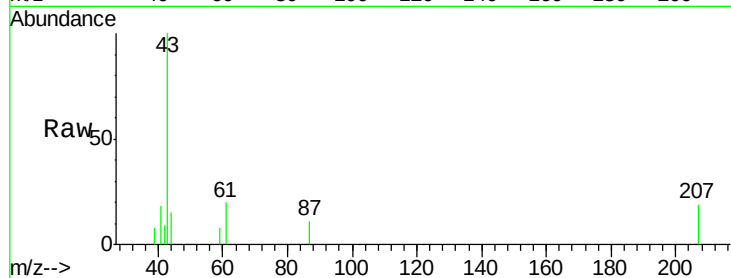
#43
Isopropyl Acetate
Concen: 0.942 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.2	20.7	31.1
87	10.4	9.8	14.8

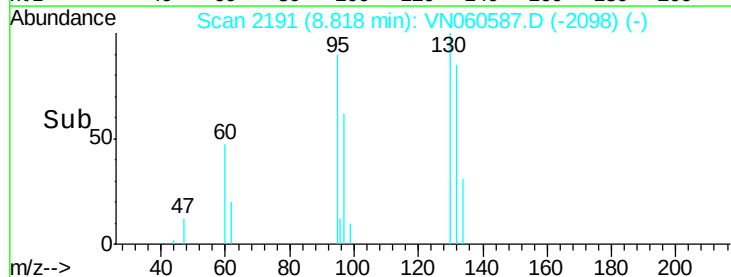
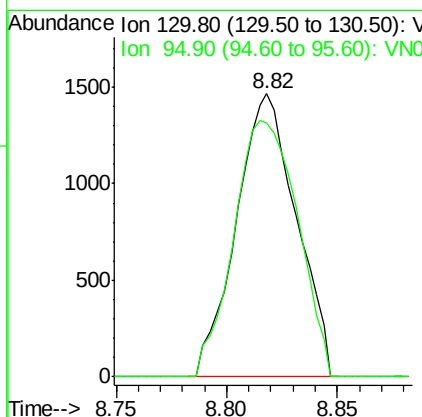
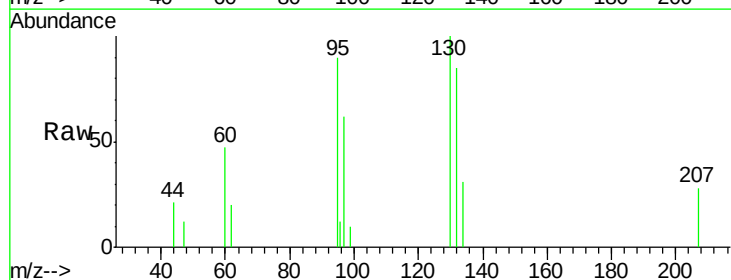
Manual Integrations
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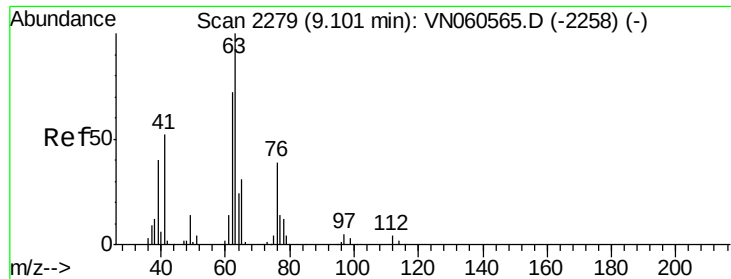
MMDadoda
3/19/2020 1:03:36 PM



#44
Trichloroethene
Concen: 1.090 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	211.2





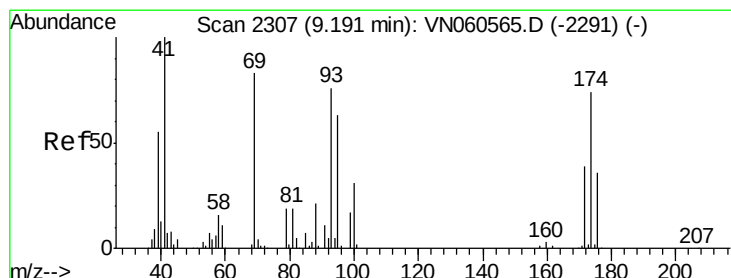
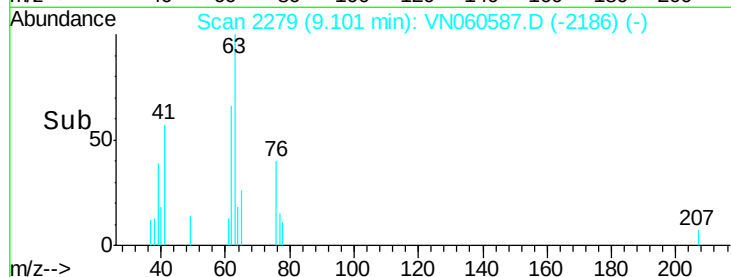
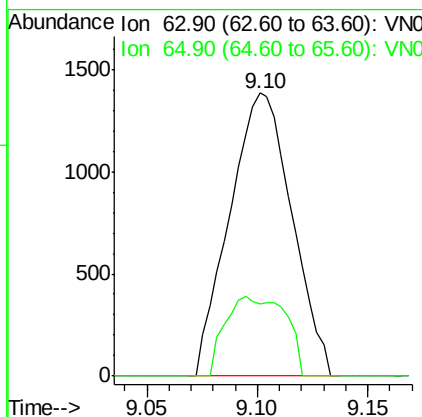
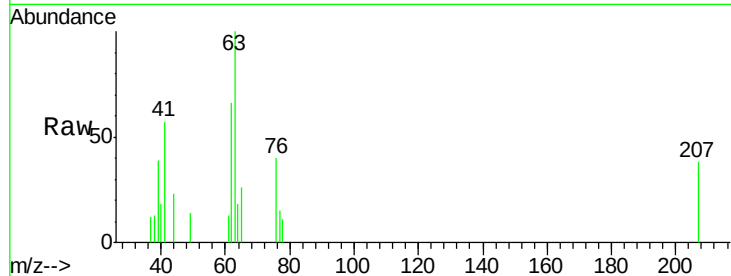
#45
 1,2-Dichloropropane
 Concen: 1.022 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion: 63 Resp: 2705
 Ion Ratio Lower Upper
 63 100
 65 25.6 25.4 38.0

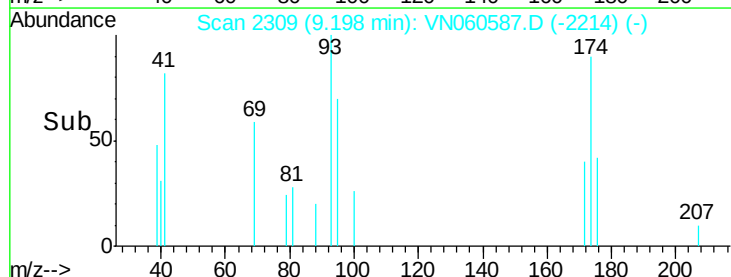
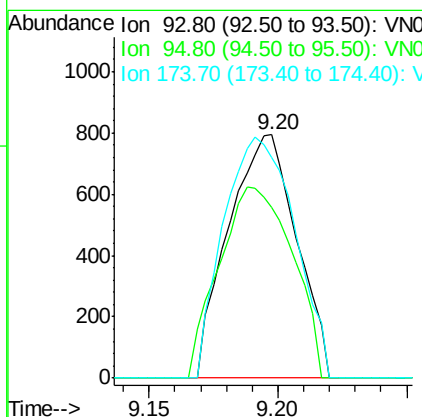
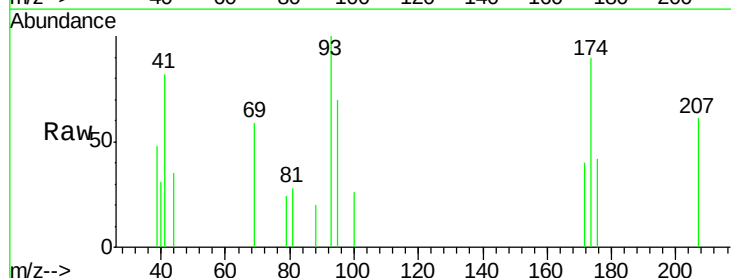
Manual Integrations
 APPROVED

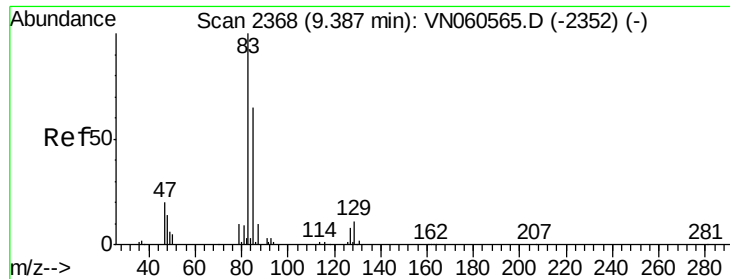
MMDadoda
 3/19/2020 1:03:36 PM



#46
 Dibromomethane
 Concen: 0.912 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.01 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Tgt Ion: 93 Resp: 1460
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.2 99.4
 174 103.6 77.9 116.9





#47

Bromodichloromethane

Concen: 0.924 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_N

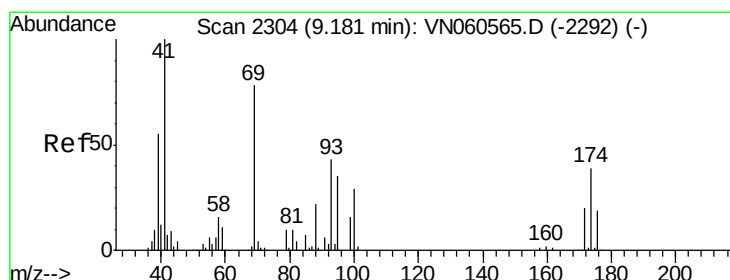
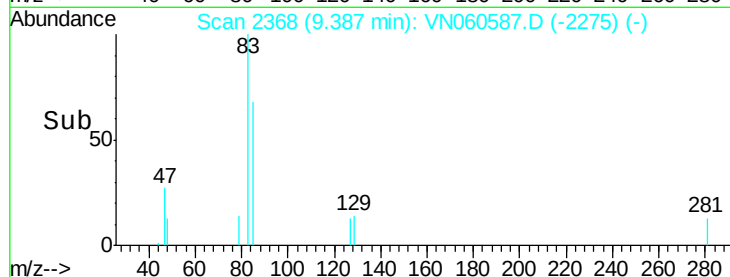
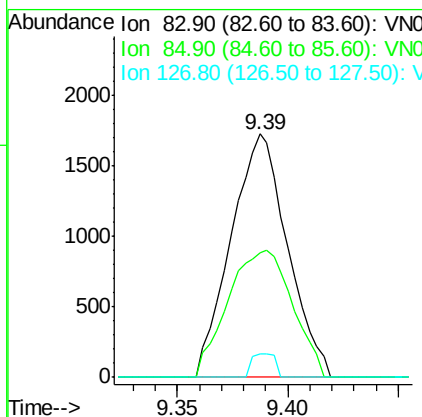
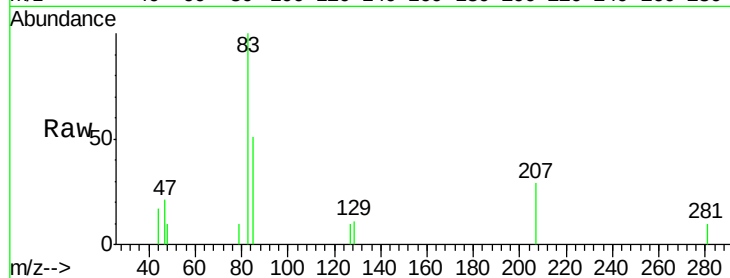
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	83	Resp:	3073
Ion	Ratio	Lower	Upper
83	100		
85	51.1	51.8	77.6#
127	9.7	6.5	9.7

Manual Integrations
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MMDadoda
3/19/2020 1:03:36 PM



#48

Methyl methacrylate

Concen: 0.901 ug/l

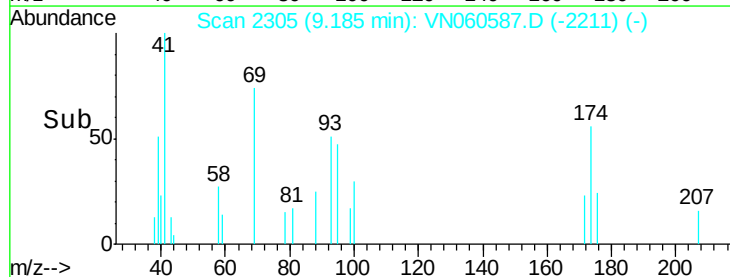
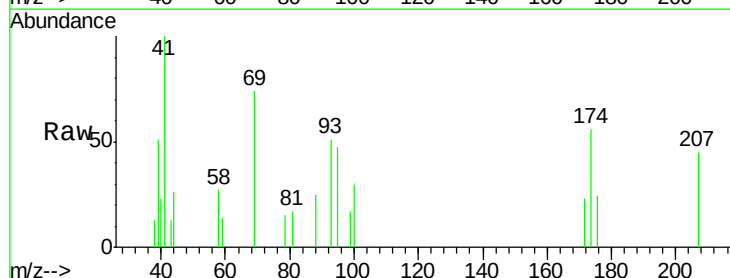
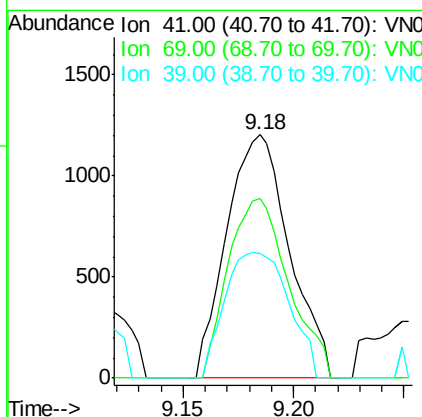
RT: 9.18 min Scan# 2305

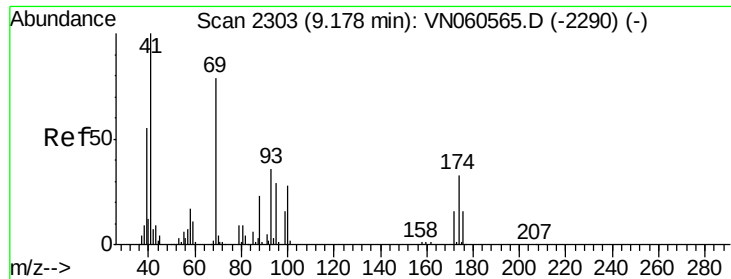
Delta R.T. 0.00 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	41	Resp:	2377
Ion	Ratio	Lower	Upper
41	100		
69	71.1	65.4	98.0
39	52.7	44.0	66.0





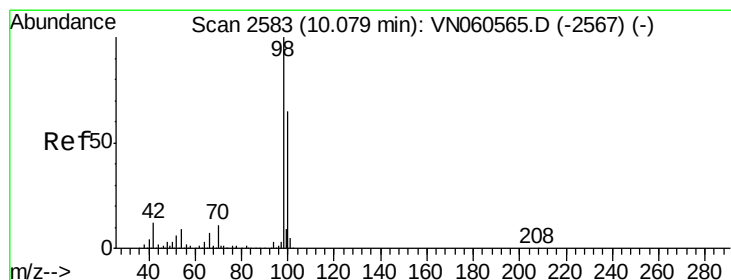
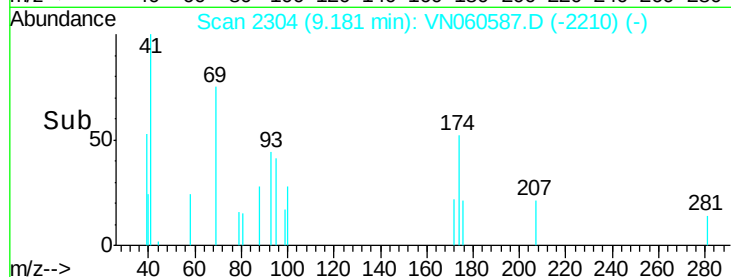
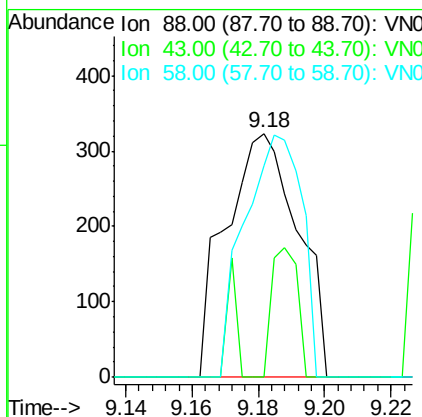
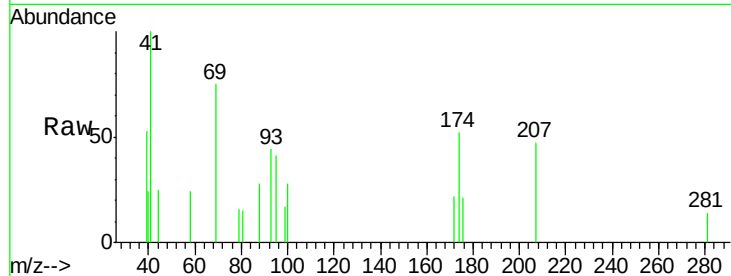
#49
 1,4-Dioxane
 Concen: 15.695 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.8	46.2#
58	78.7	59.8	89.8

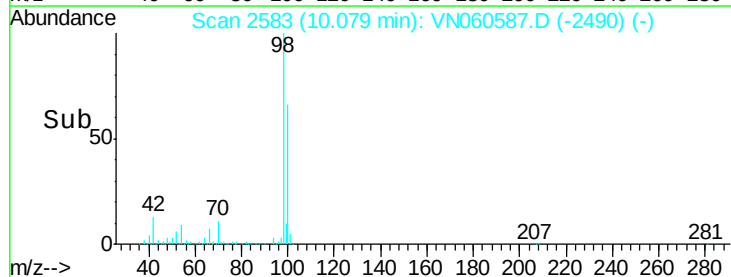
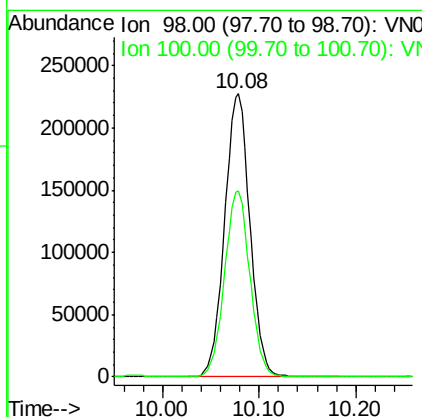
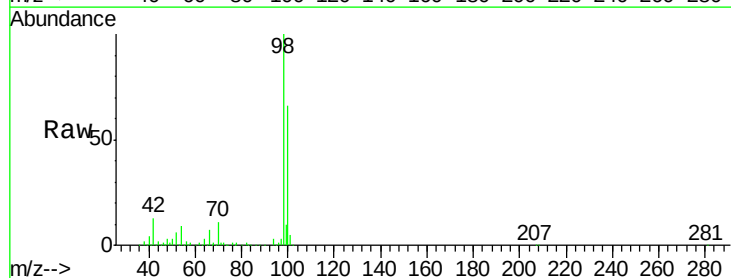
Manual Integrations
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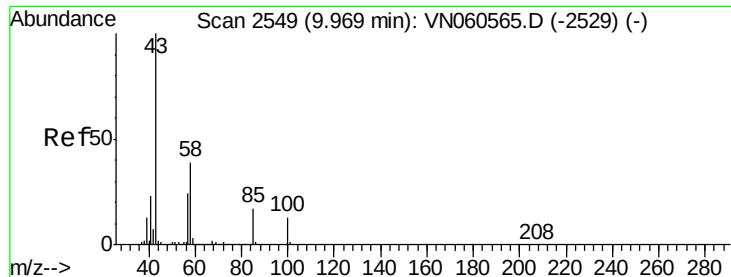
MMDadoda
 3/19/2020 1:03:36 PM



#50
 Toluene-d8
 Concen: 48.636 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.8	77.8





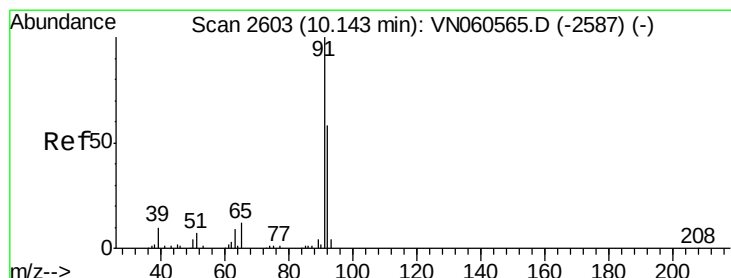
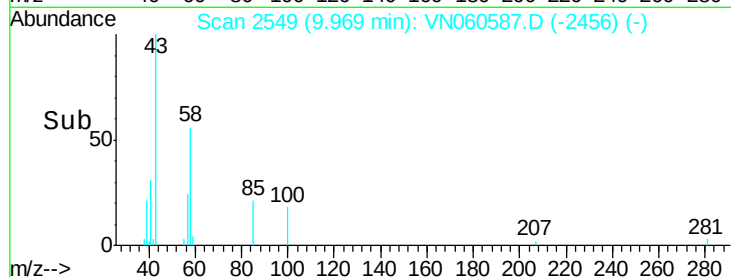
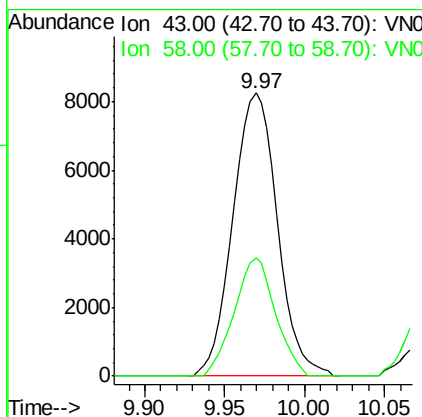
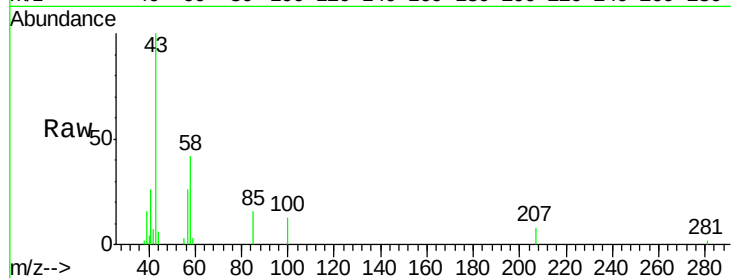
#51
4-Methyl-2-Pentanone
Concen: 4.643 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.8	46.2

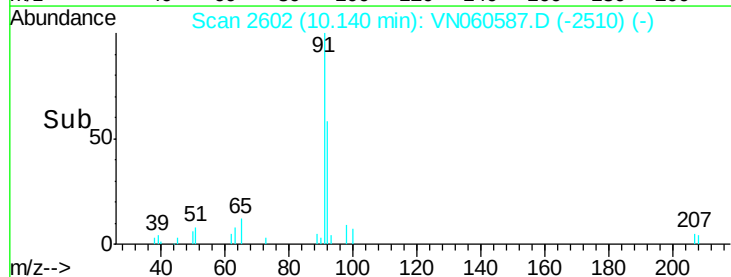
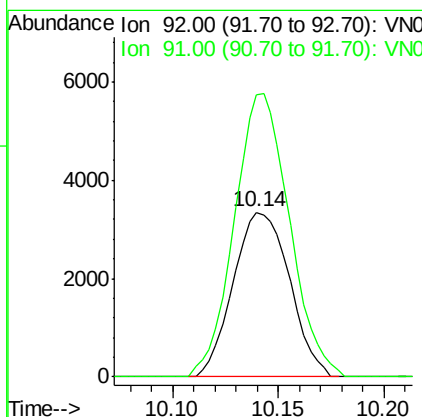
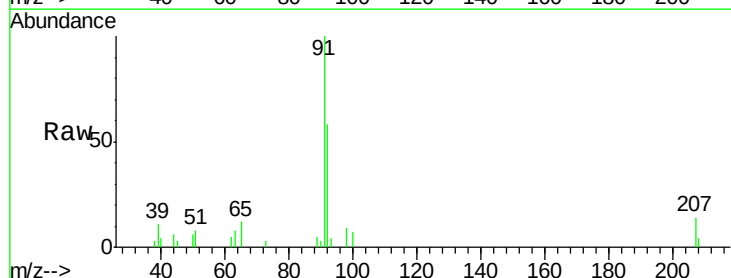
Manual Integrations
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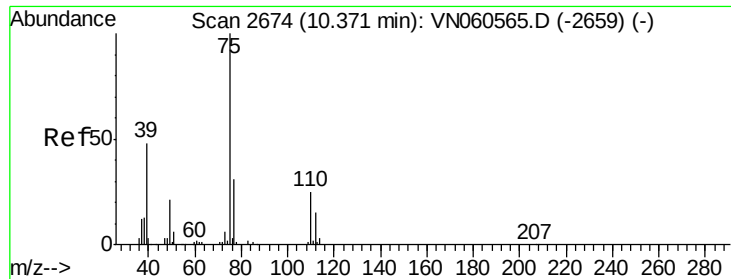
MMDadoda
3/19/2020 1:03:36 PM



#52
Toluene
Concen: 1.025 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.1	137.6	206.4





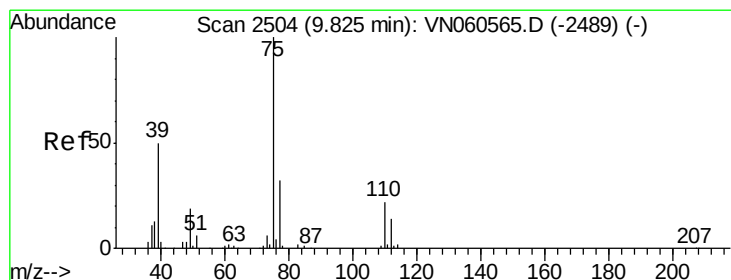
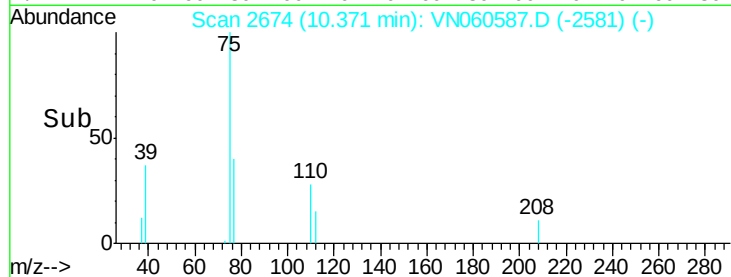
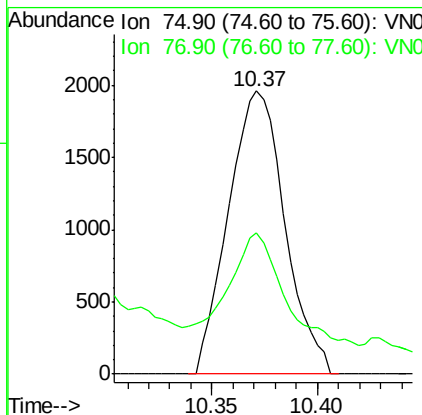
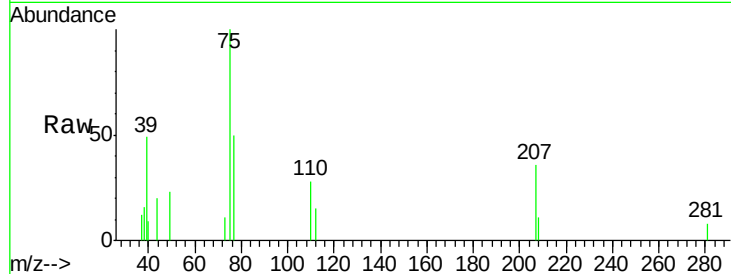
#53
t-1,3-Dichloropropene
Concen: 0.955 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 75 Resp: 3649
Ion Ratio Lower Upper
75 100
77 37.9 25.1 37.7#

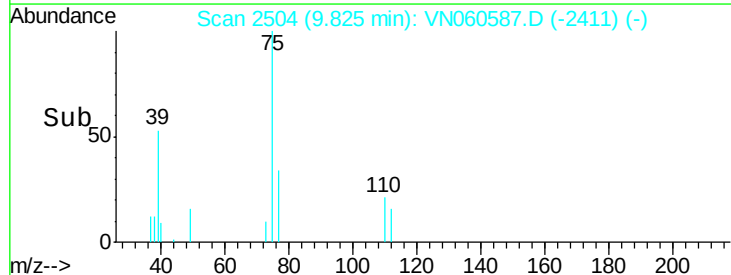
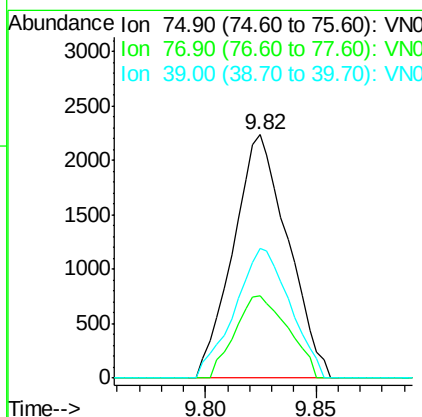
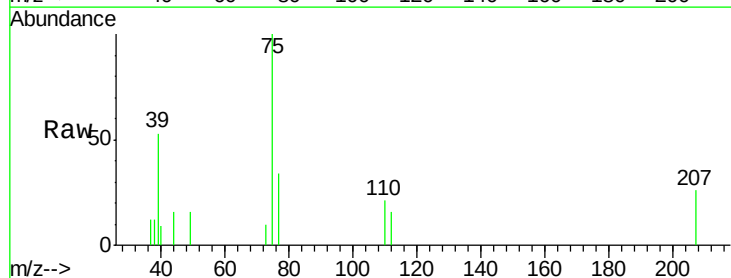
Manual Integrations
APPROVED

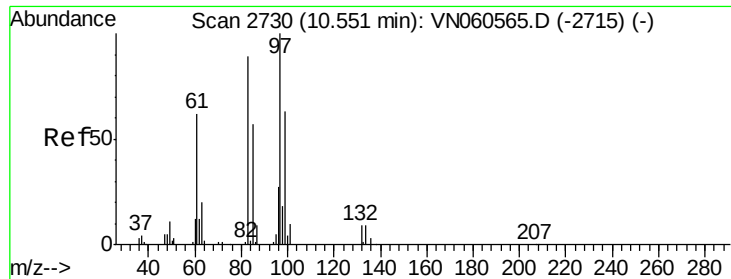
MMDadoda
3/19/2020 1:03:36 PM



#54
cis-1,3-Dichloropropene
Concen: 0.918 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion: 75 Resp: 3848
Ion Ratio Lower Upper
75 100
77 33.6 25.4 38.0
39 53.2 40.2 60.4





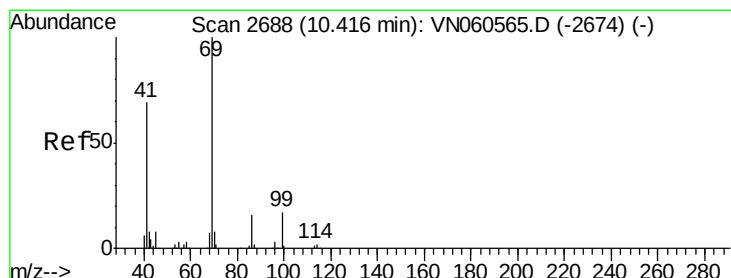
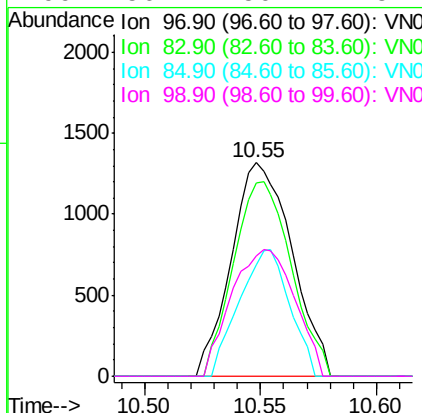
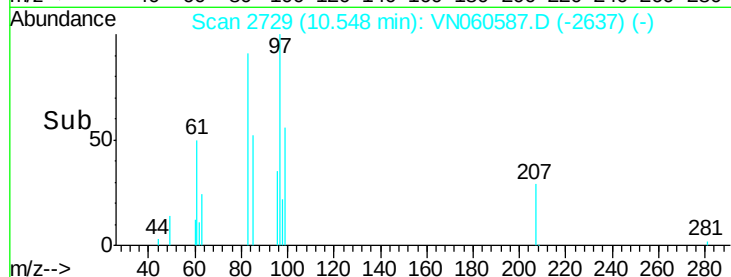
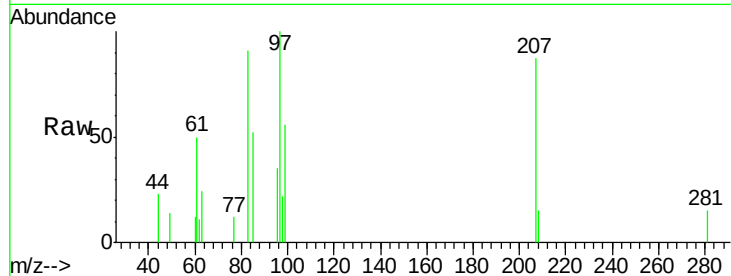
#55
 1,1,2-Trichloroethane
 Concen: 1.024 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion:	97	Resp:	2388
Ion	Ratio	Lower	Upper
97	100		
83	90.7	71.3	106.9
85	52.4	45.2	67.8
99	56.1	50.1	75.1

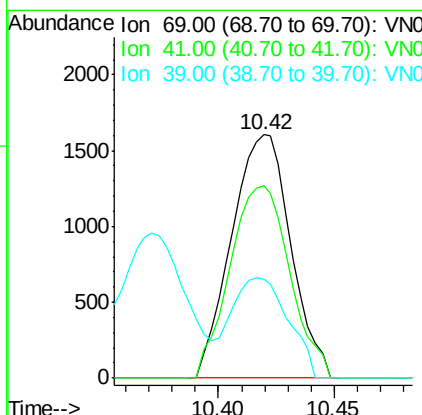
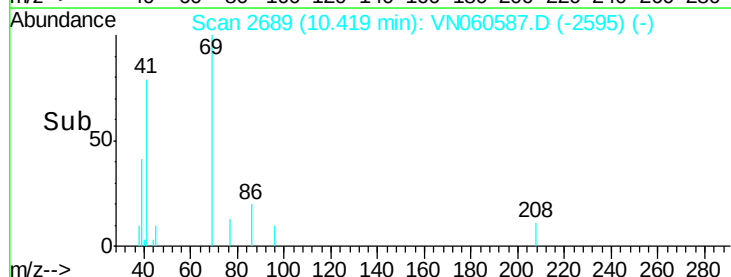
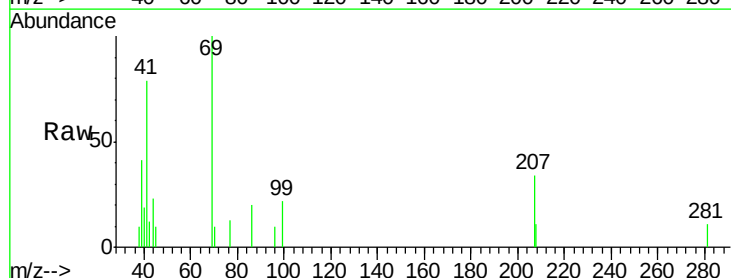
Manual Integrations
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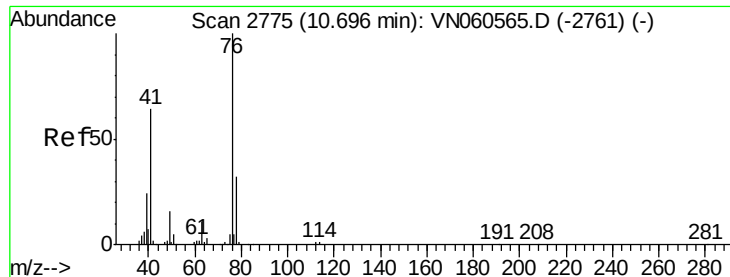
MMDadoda
 3/19/2020 1:03:36 PM



#56
 Ethyl methacrylate
 Concen: 0.783 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Tgt Ion:	69	Resp:	2846
Ion	Ratio	Lower	Upper
69	100		
41	79.9	55.4	83.2
39	40.5	29.4	44.0





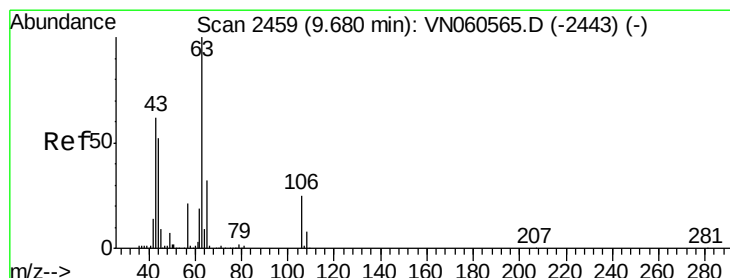
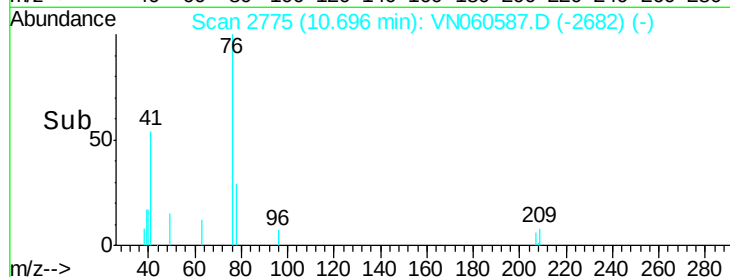
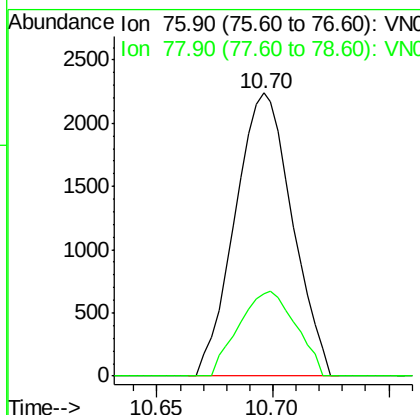
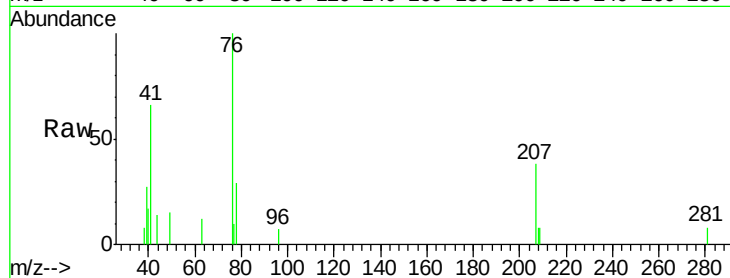
#57
 1,3-Dichloropropane
 Concen: 0.949 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	29.9	25.8	38.6

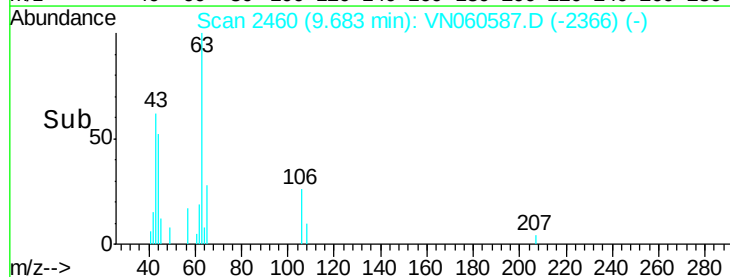
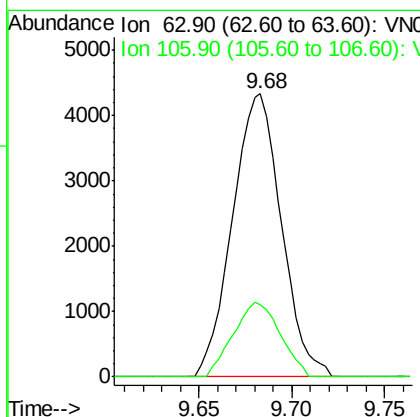
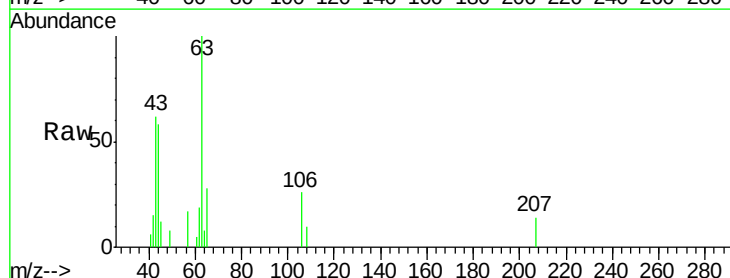
Manual Integrations
 APPROVED

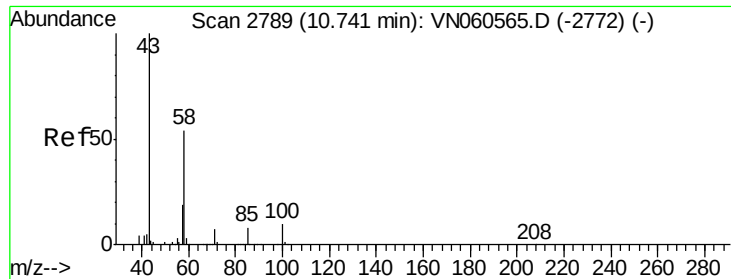
MMDadoda
 3/19/2020 1:03:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 4.385 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	20.0	30.0





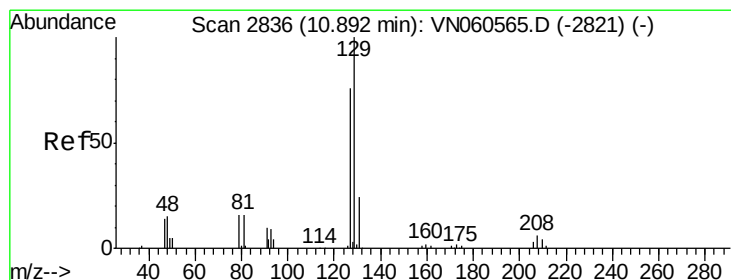
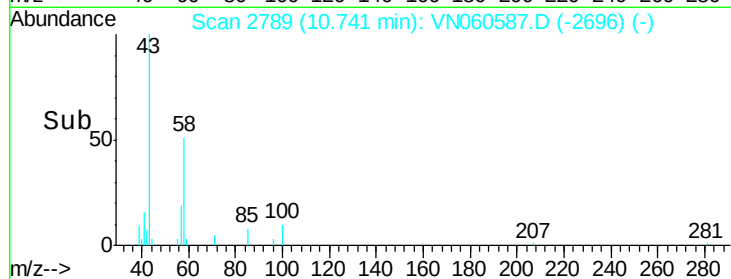
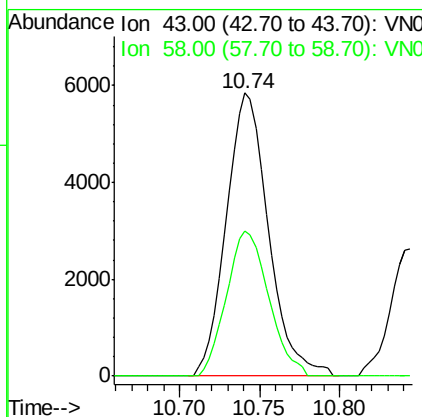
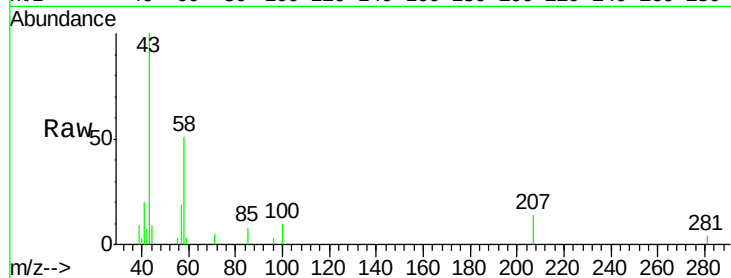
#59
2-Hexanone
Concen: 4.333 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 10521
Ion Ratio Lower Upper
43 100
58 51.2 26.7 80.1

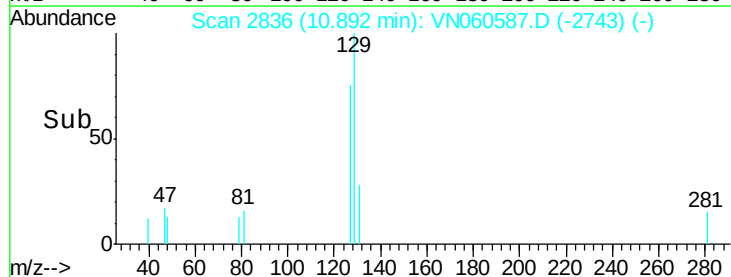
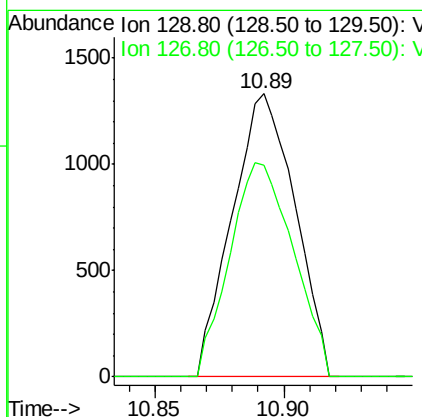
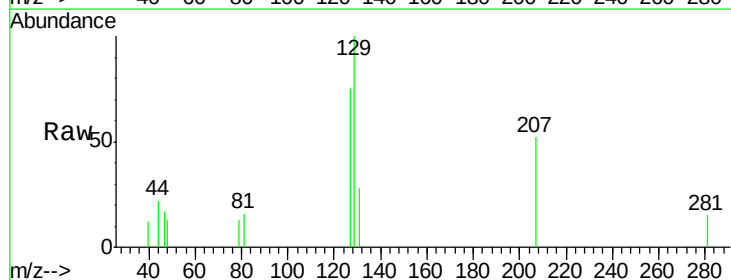
Manual Integrations
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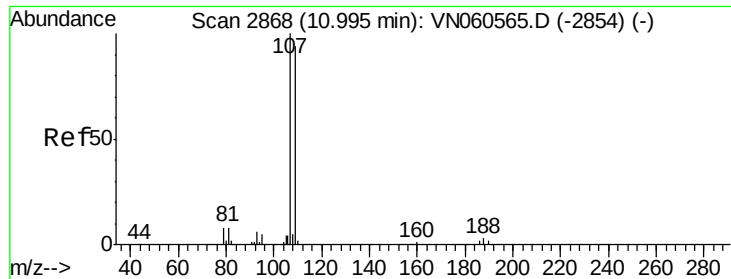
MMDadoda
3/19/2020 1:03:36 PM



#60
Dibromochloromethane
Concen: 0.941 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion: 129 Resp: 2266
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5





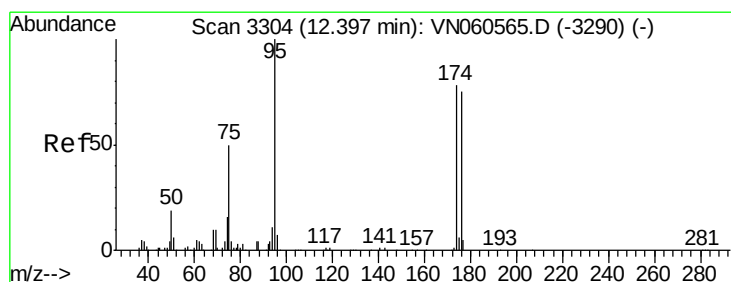
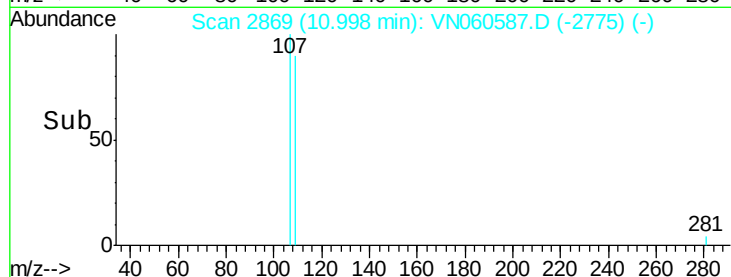
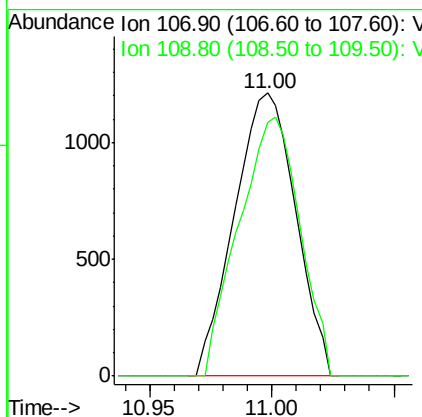
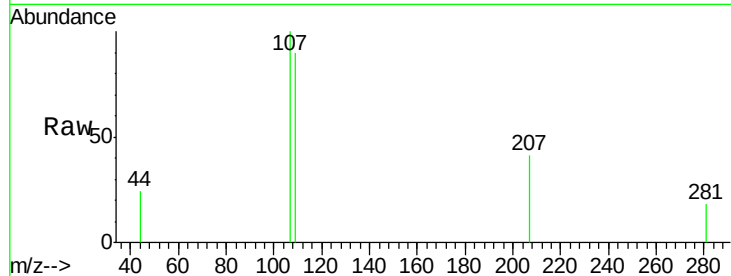
#61
 1,2-Dibromoethane
 Concen: 0.900 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion: 107 Resp: 2110
 Ion Ratio Lower Upper
 107 100
 109 91.2 75.4 113.2

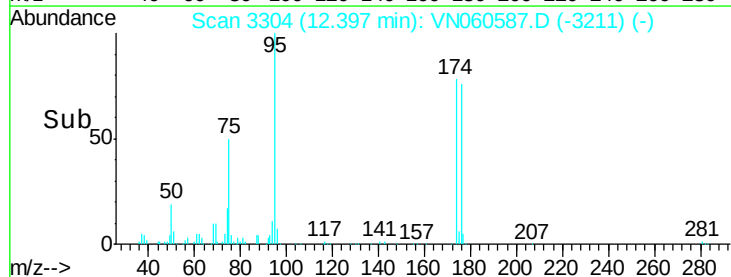
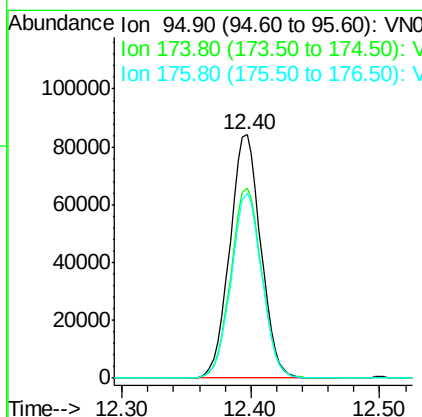
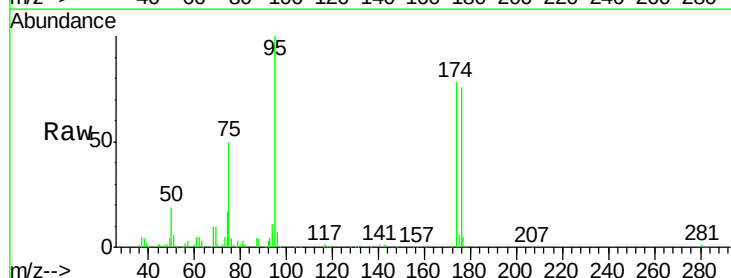
Manual Integrations
 APPROVED

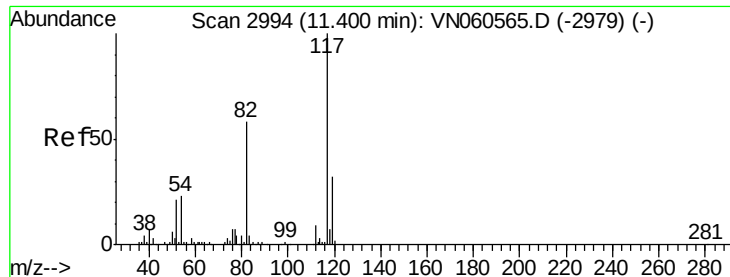
MMDadoda
 3/19/2020 1:03:36 PM



#62
 4-Bromofluorobenzene
 Concen: 45.148 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Tgt Ion: 95 Resp: 140293
 Ion Ratio Lower Upper
 95 100
 174 78.2 0.0 157.6
 176 75.5 0.0 150.6





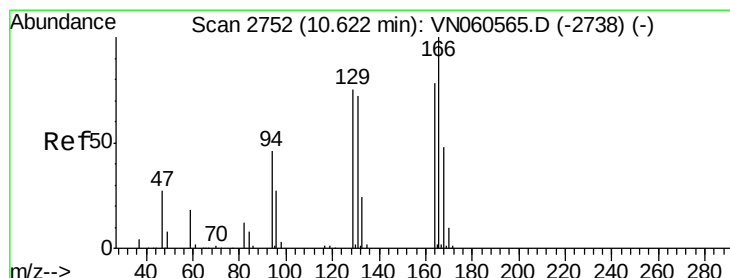
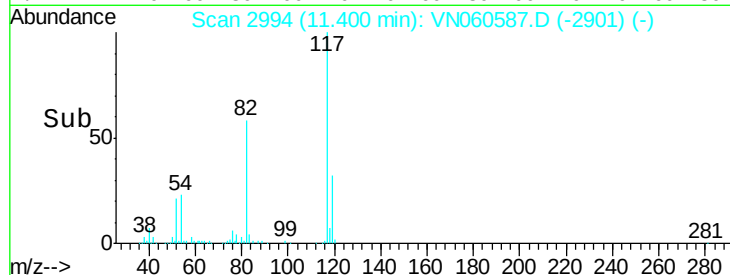
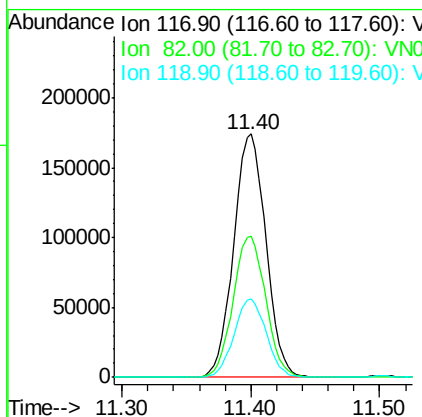
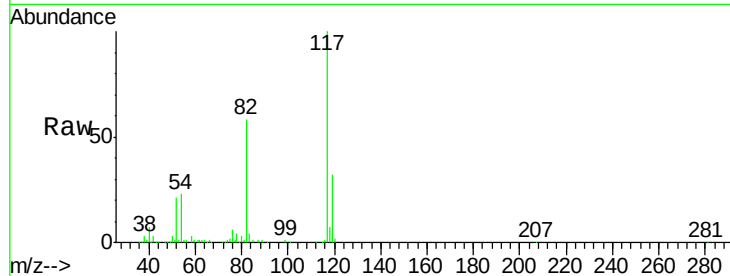
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.7	70.1
119	32.0	25.5	38.3

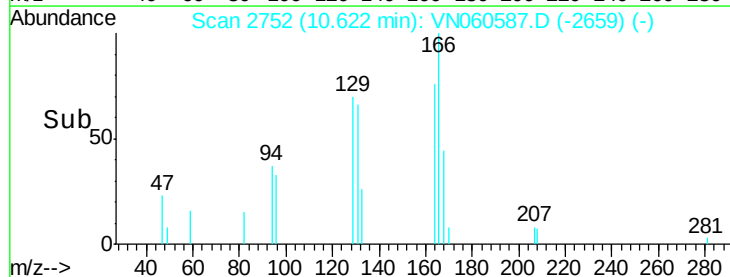
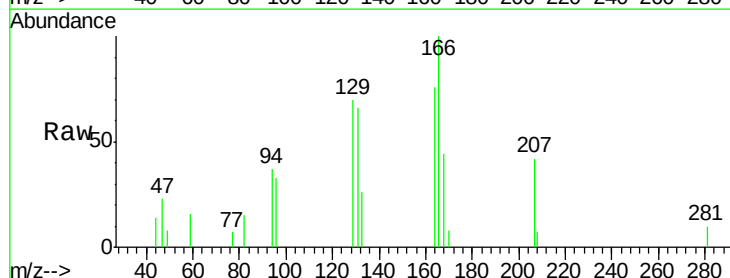
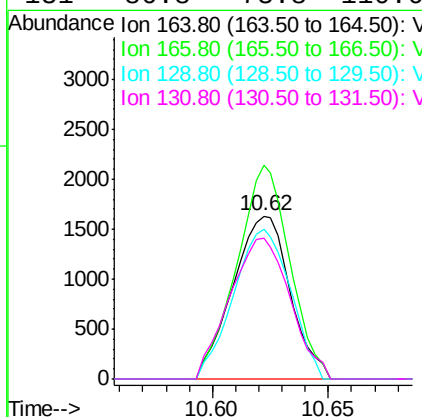
Manual Integrations
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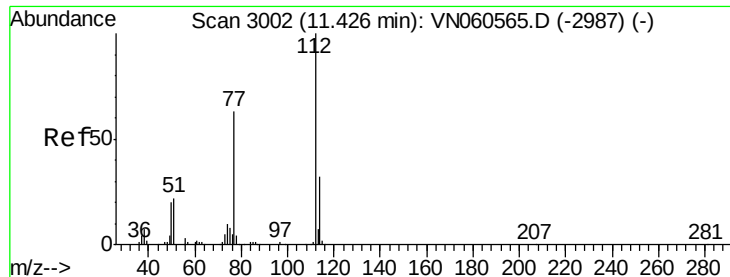
MMDadoda
3/19/2020 1:03:36 PM



#64
Tetrachloroethene
Concen: 1.173 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	102.7	154.1
129	91.7	77.2	115.8
131	86.8	73.8	110.6





#65

Chlorobenzene

Concen: 1.021 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:112 Resp: 6142

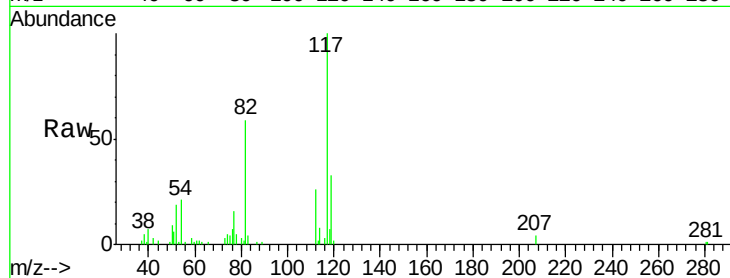
Ion Ratio Lower Upper

112 100

114 29.9 25.8 38.6

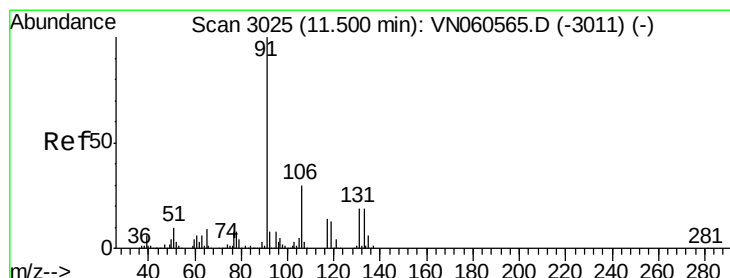
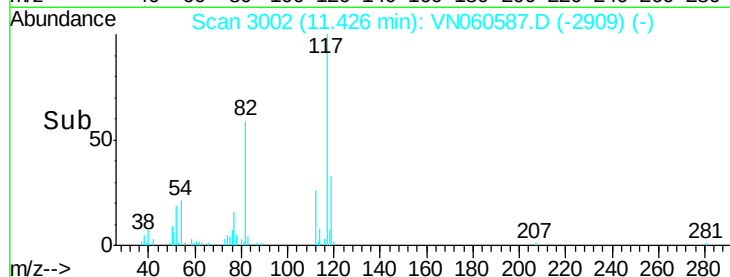
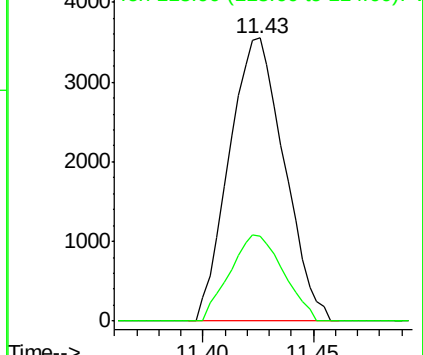
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.933 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

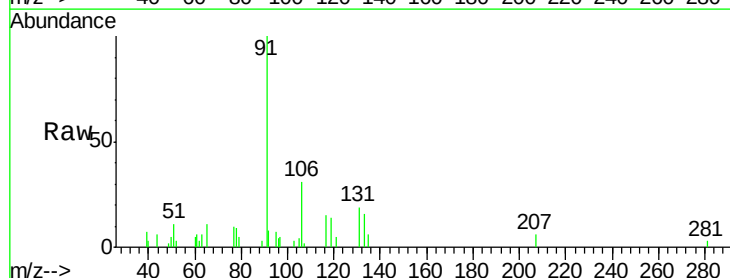
Tgt Ion:131 Resp: 2032

Ion Ratio Lower Upper

131 100

133 110.6 48.9 146.8

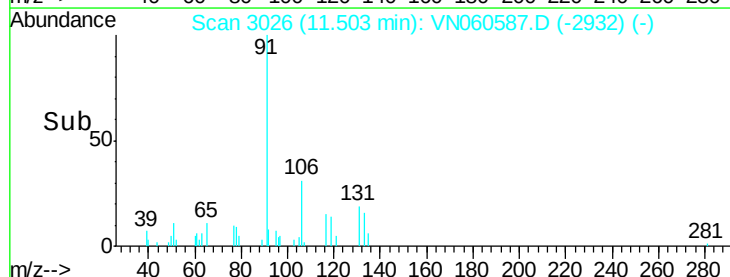
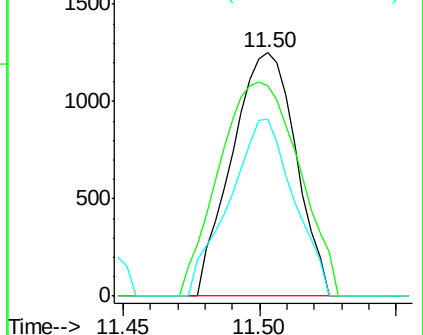
119 0.0 33.9 101.7#

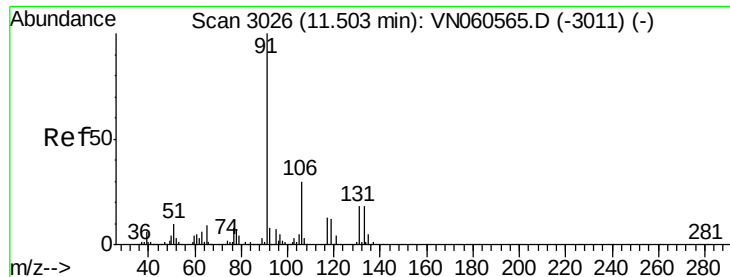


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





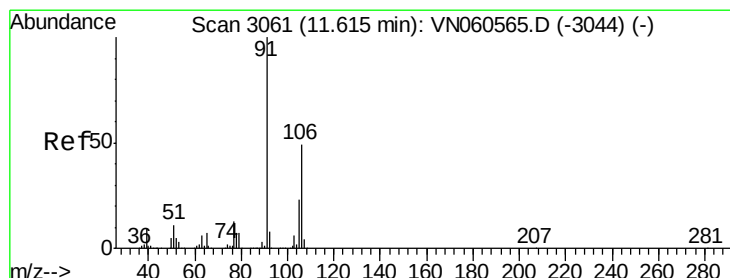
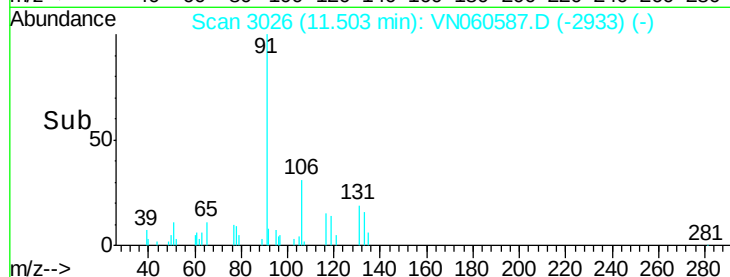
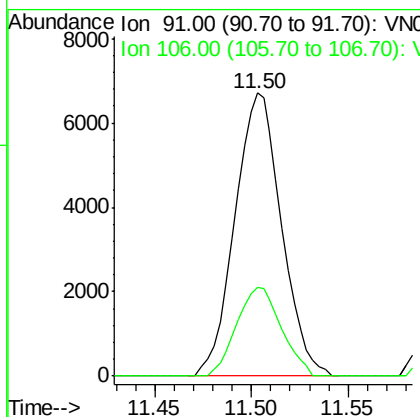
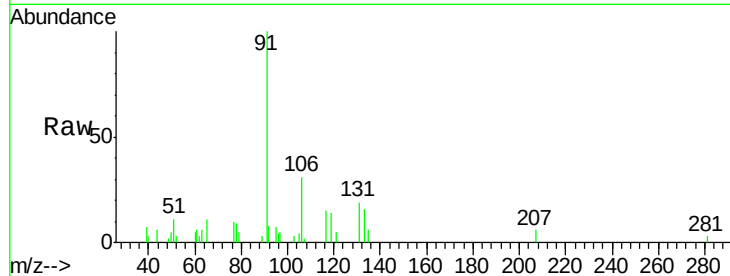
#67
Ethyl Benzene
Concen: 1.003 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 91 Resp: 11218
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.2

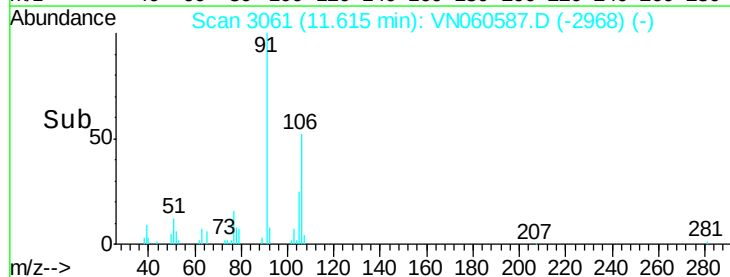
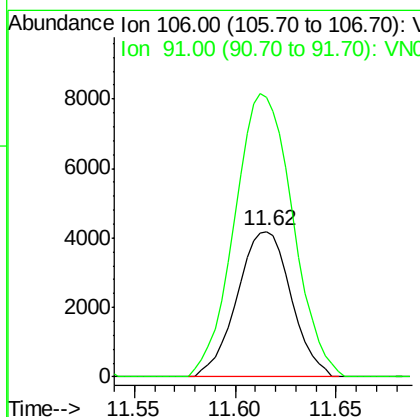
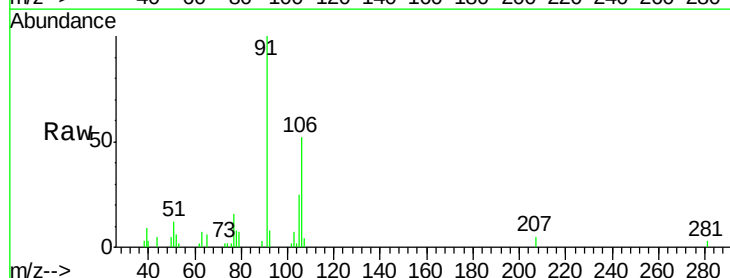
Manual Integrations
APPROVED

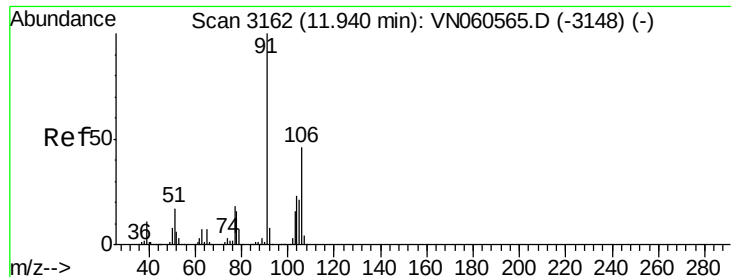
MMDadoda
3/19/2020 1:03:36 PM



#68
m/p-Xylenes
Concen: 1.881 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion: 106 Resp: 7818
Ion Ratio Lower Upper
106 100
91 209.7 165.0 247.4





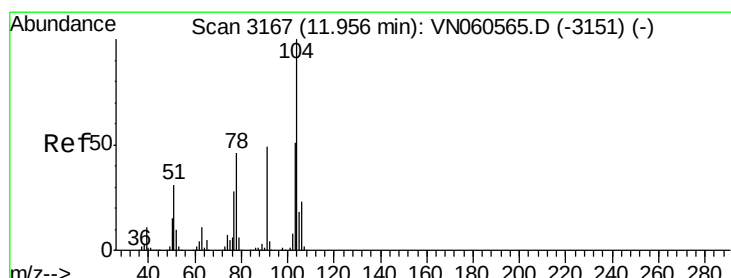
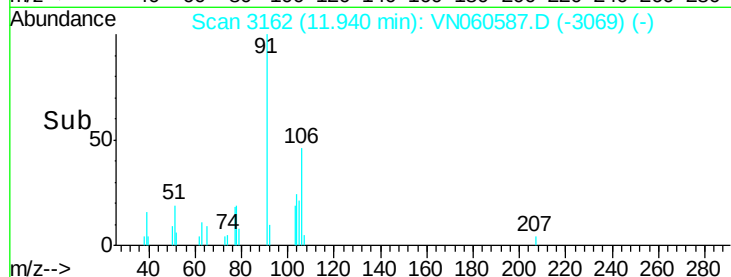
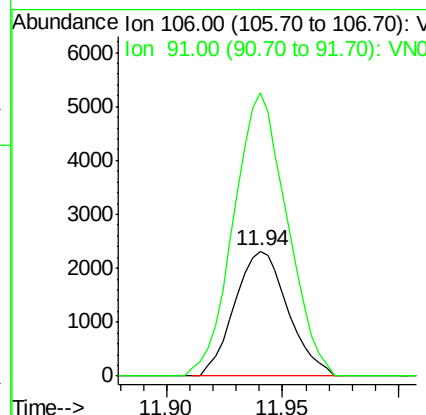
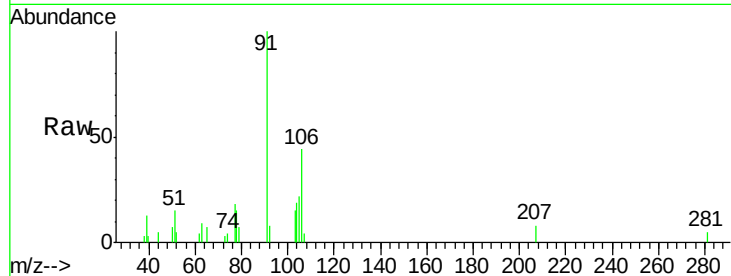
#69
o-Xylene
Concen: 0.933 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion:106 Resp: 3703
Ion Ratio Lower Upper
106 100
91 226.7 109.5 328.4

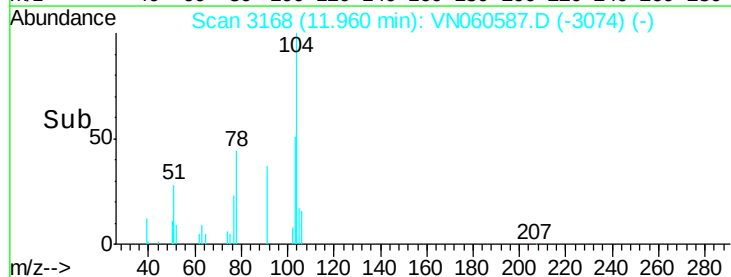
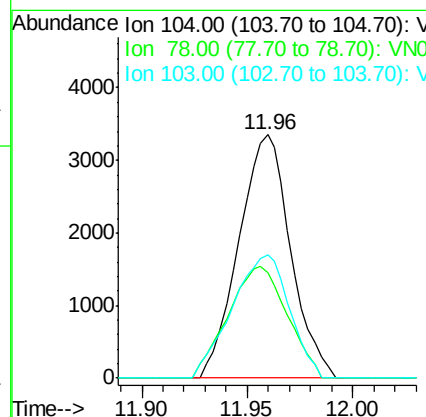
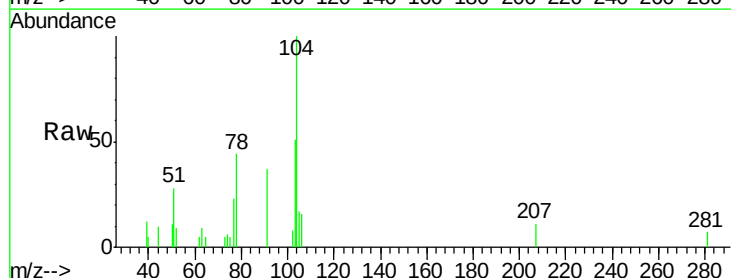
Manual Integrations
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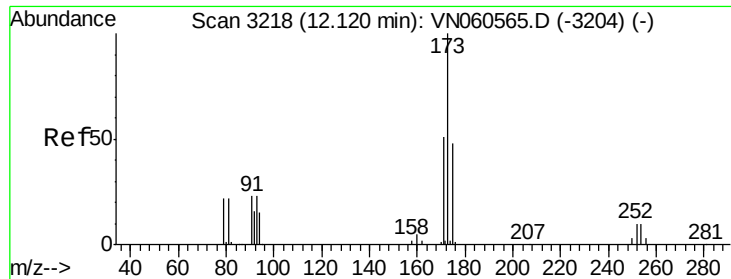
MMDadoda
3/19/2020 1:03:36 PM



#70
Styrene
Concen: 0.879 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion:104 Resp: 5703
Ion Ratio Lower Upper
104 100
78 52.4 41.2 61.8
103 56.2 44.0 66.0





#71

Bromoform

Concen: 0.812 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_N

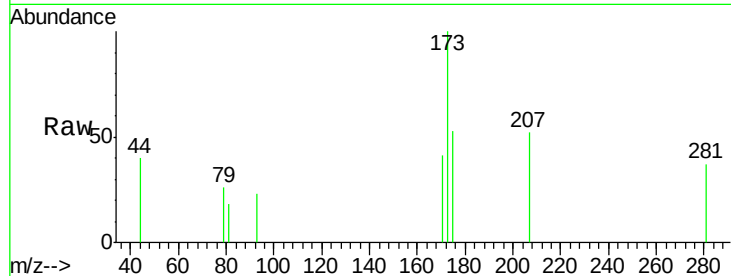
ClientSampleId :

LOQ-WATER-02-QT1-2020

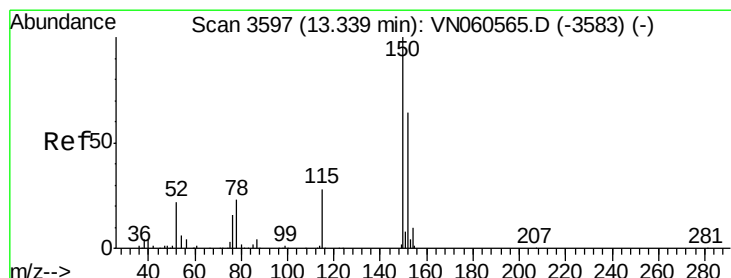
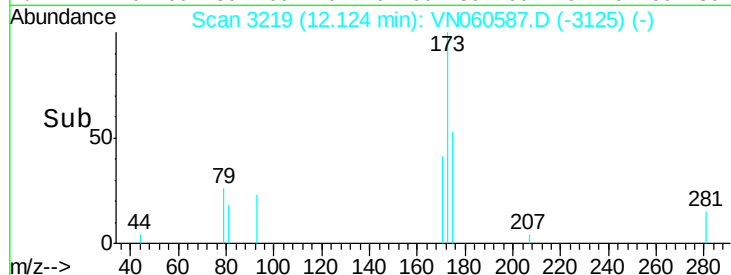
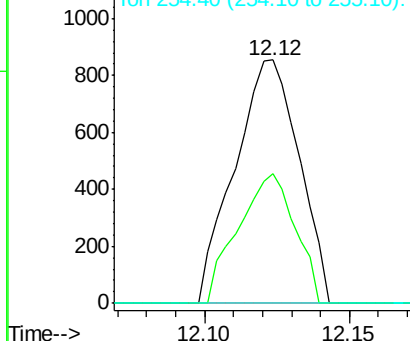
Tot Ion:	173	Resp:	1319
Ion Ratio	Lower	Upper	
173	100		
175	47.1	24.1	72.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

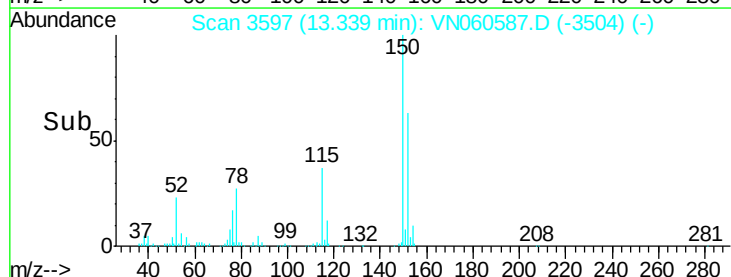
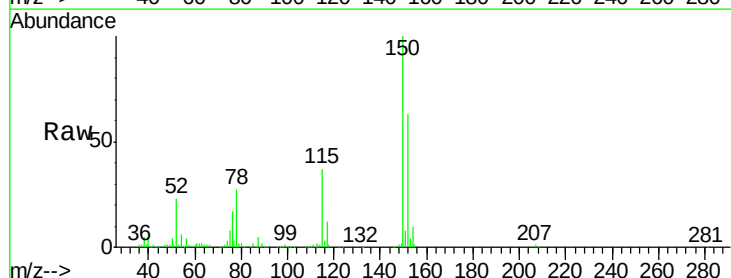
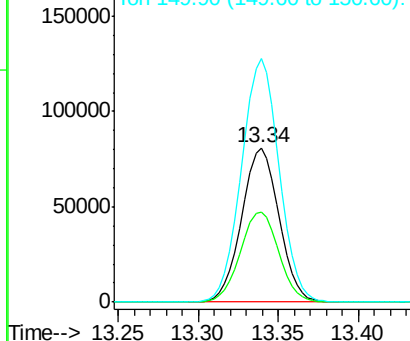
Delta R.T. 0.00 min

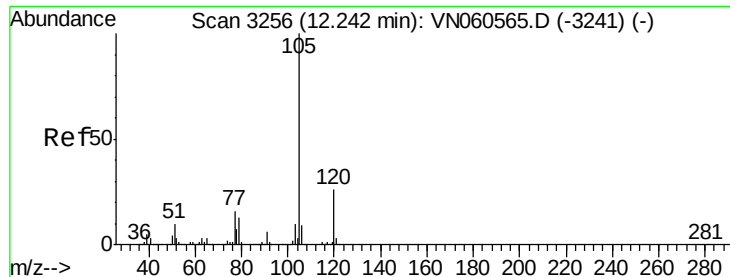
Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Tgt Ion:	152	Resp:	128909
Ion Ratio	Lower	Upper	
152	100		
115	60.1	30.2	90.6
150	158.8	0.0	350.2

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





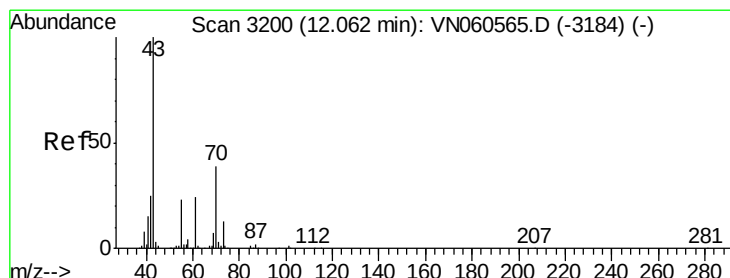
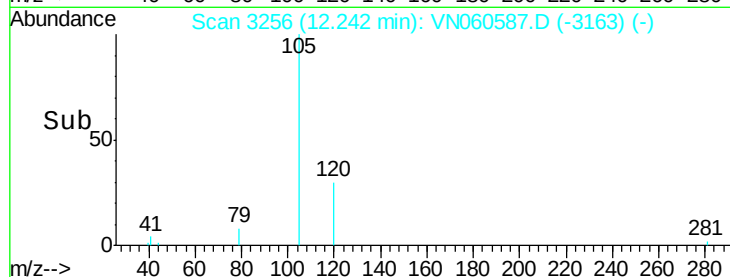
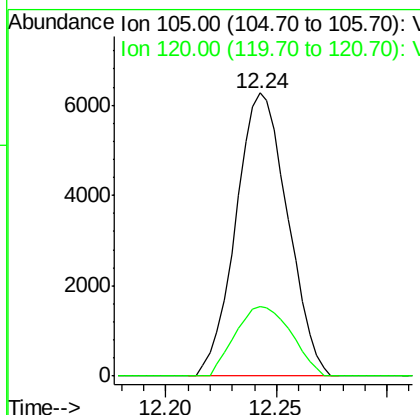
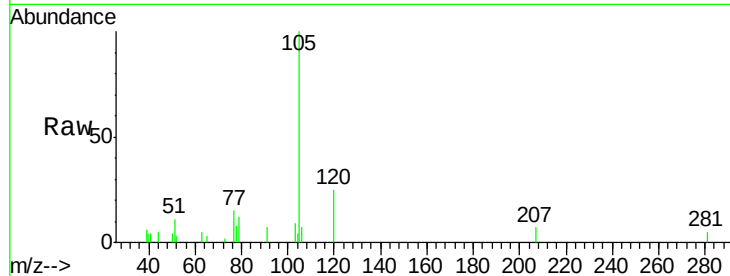
#73
Isopropylbenzene
Concen: 1.054 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.1

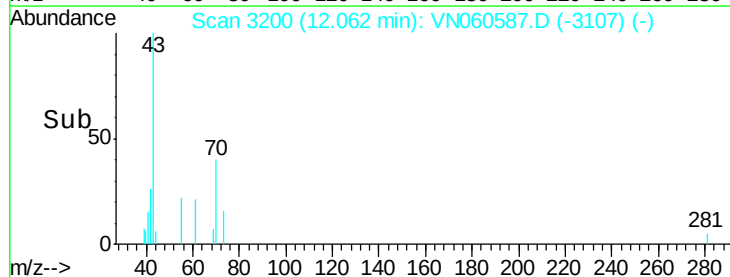
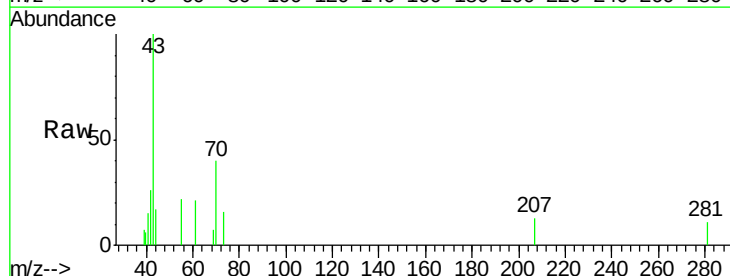
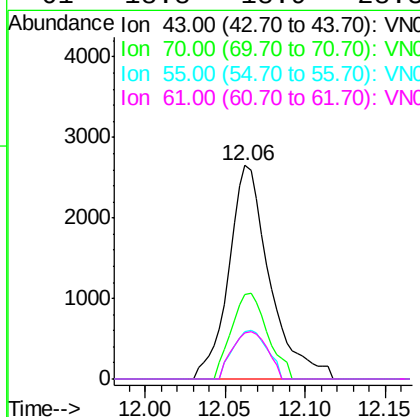
Manual Integrations
APPROVED

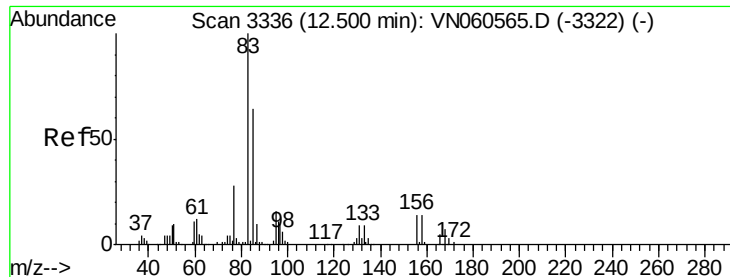
MMDadoda
3/19/2020 1:03:36 PM



#74
N-ethyl acetate
Concen: 1.035 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.1	31.1	46.7
55	19.1	18.6	27.8
61	18.8	18.9	28.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.030 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_N

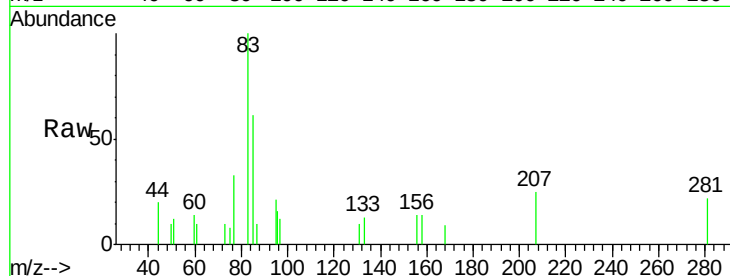
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion	83	Resp	3014
Ion Ratio	100	Lower	Upper
83	100		
131	3.6	4.9	14.7#
85	62.3	32.5	97.4

Manual Integrations
APPROVED

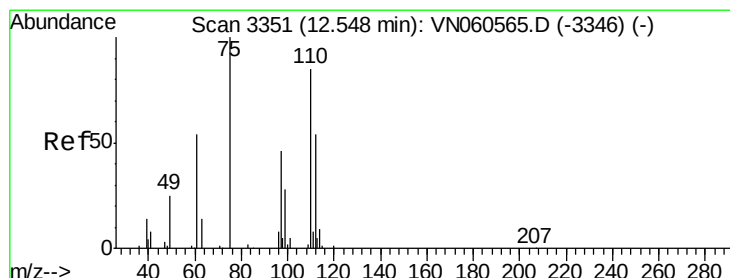
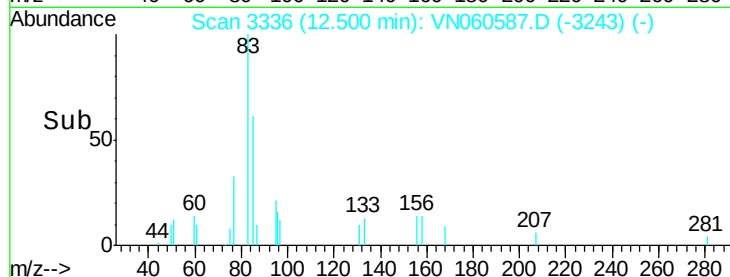
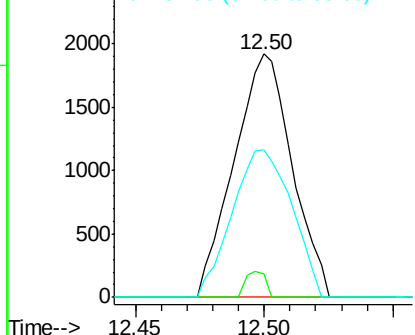
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN060587.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060587.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060587.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 1.010 ug/l m

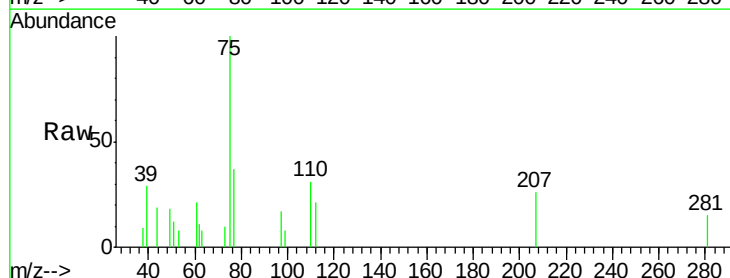
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060587.D

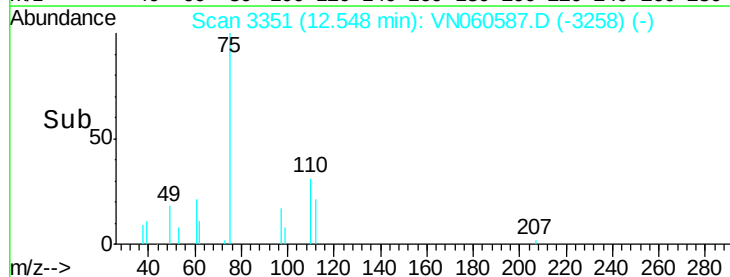
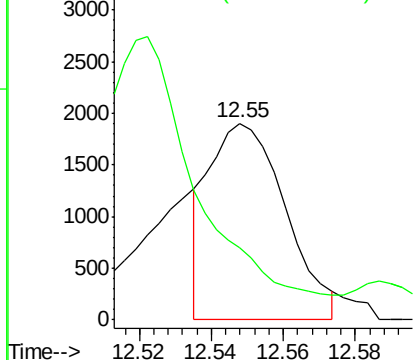
Acq: 18 Mar 2020 13:24

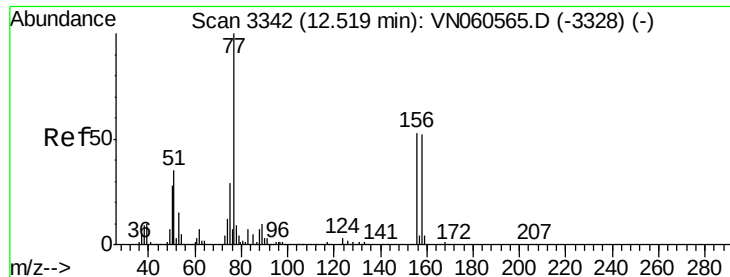
Tgt Ion	75	Resp	2810
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060587.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060587.D (-3258) (-)





#77

Bromobenzene

Concen: 1.146 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_N

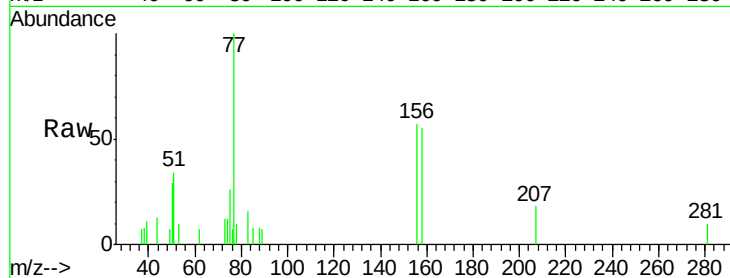
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	156	Resp:	2672
Ion Ratio	Lower	Upper	
156	100		
77	210.3	112.3	337.0
158	93.6	48.6	145.8

Manual Integrations
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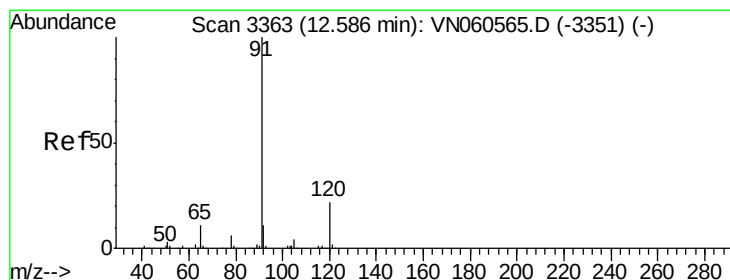
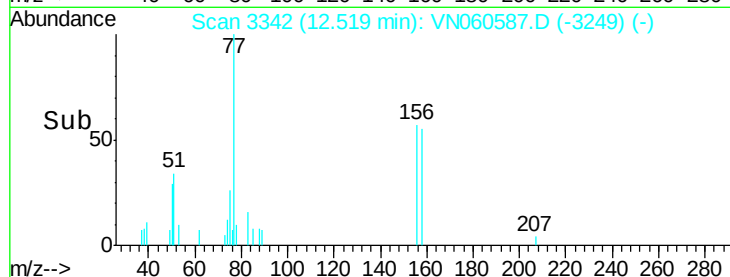
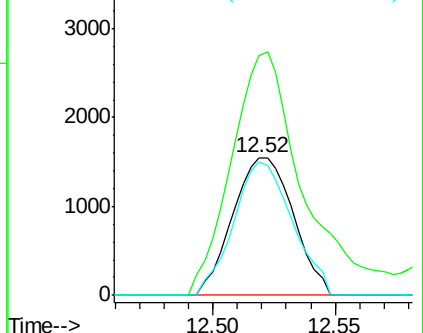
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.032 ug/l

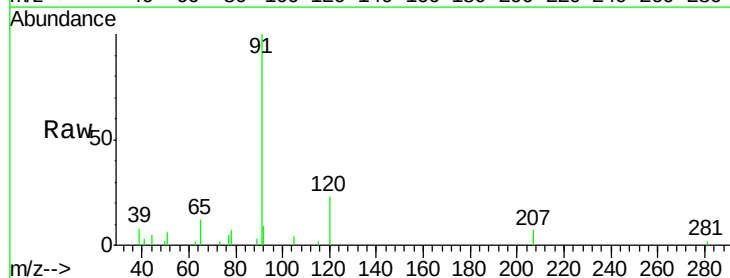
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060587.D

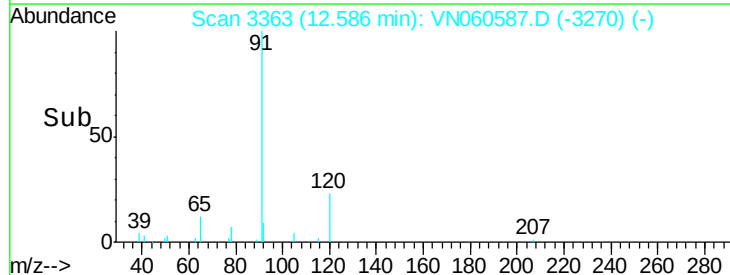
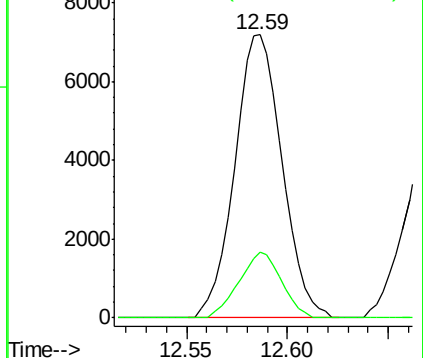
Acq: 18 Mar 2020 13:24

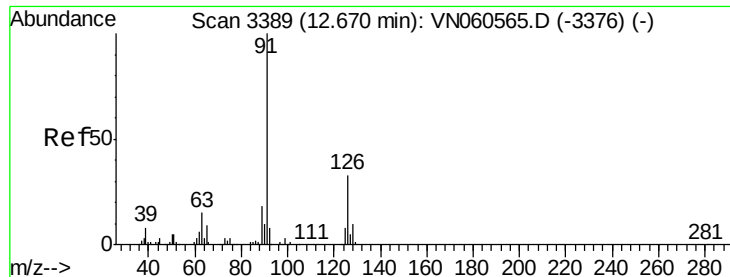
Tgt Ion:	91	Resp:	11798
Ion Ratio	Lower	Upper	
91	100		
120	20.9	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.038 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060587.D

Acq: 18 Mar 2020 13:24

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 91 Resp: 7088

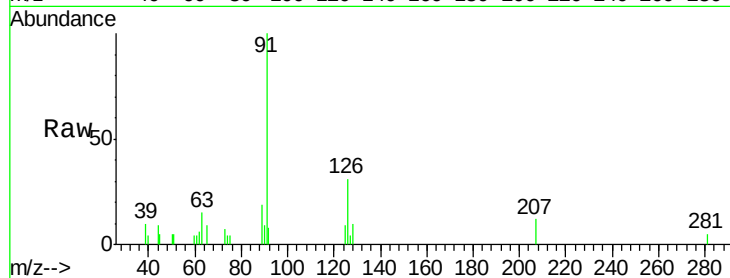
Ion Ratio Lower Upper

91 100

126 31.7 16.4 49.1

Manual Integrations
APPROVED

MMDadoda
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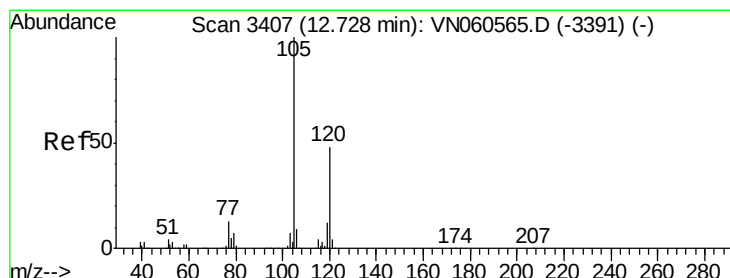
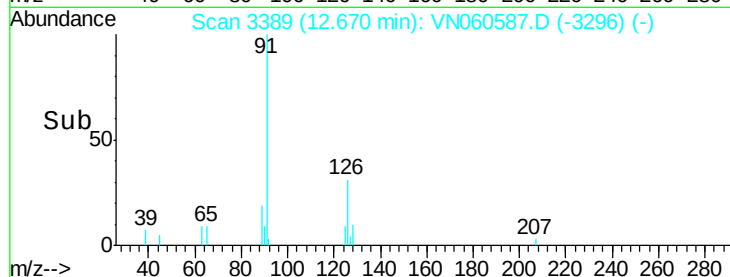


Abundance Ion 91.00 (90.70 to 91.70): VN060587.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060587.D (-3296) (-)

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.031 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060587.D

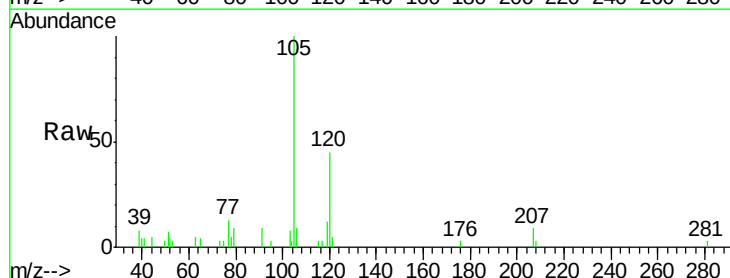
Acq: 18 Mar 2020 13:24

Tgt Ion: 105 Resp: 8465

Ion Ratio Lower Upper

105 100

120 46.8 23.9 71.7

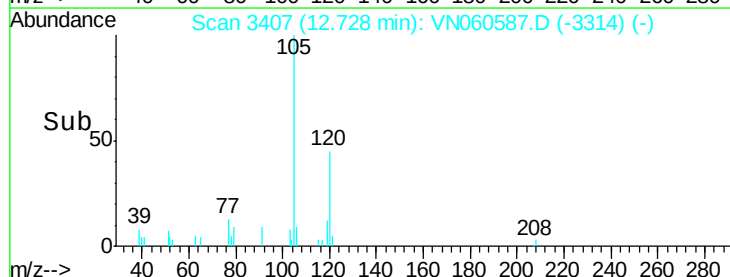


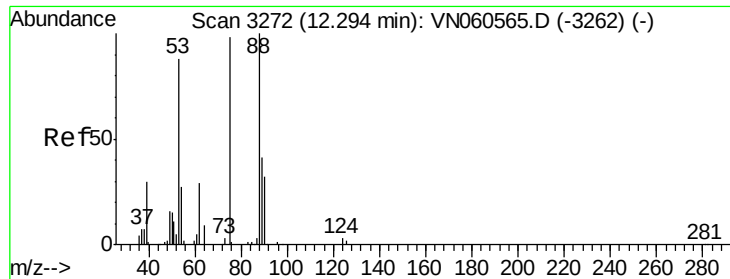
Abundance Ion 105.00 (104.70 to 105.70): VN060587.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060587.D (-3314) (-)

12.73

Time-->





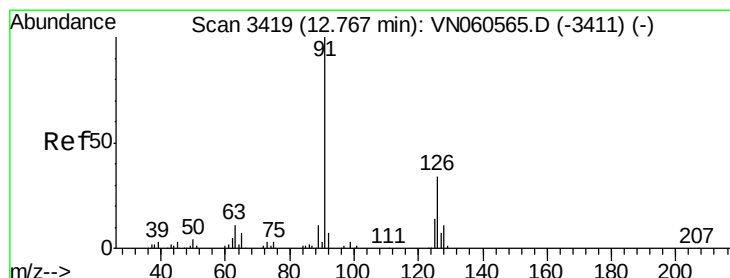
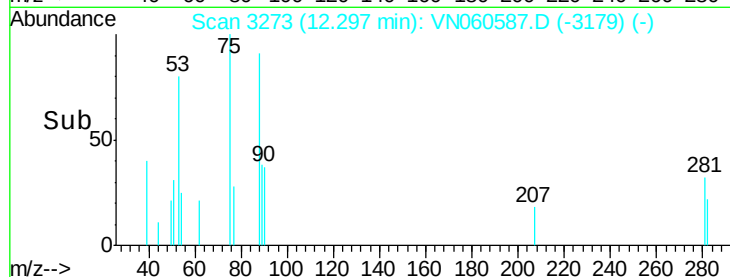
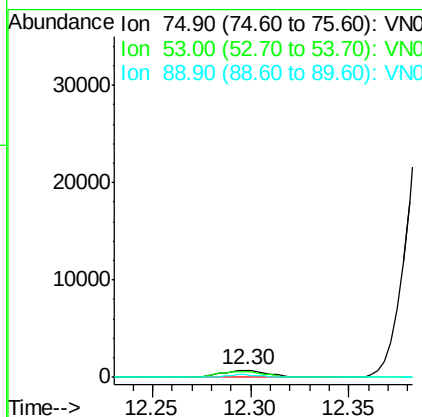
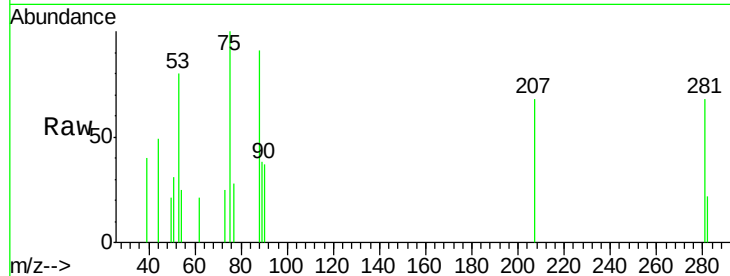
#81
trans-1,4-Dichloro-2-butene
Concen: 1.023 ug/l m
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 75 Resp: 1108
Ion Ratio Lower Upper
75 100
53 0.0 73.0 109.4#
89 0.0 34.8 52.2#

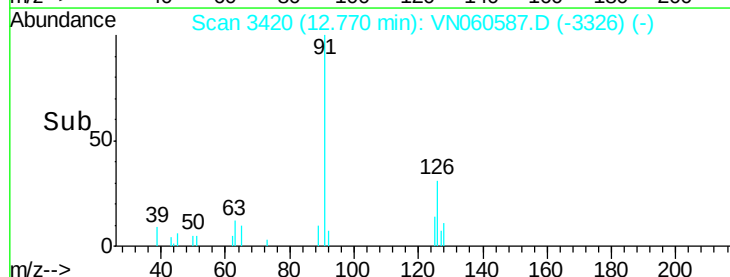
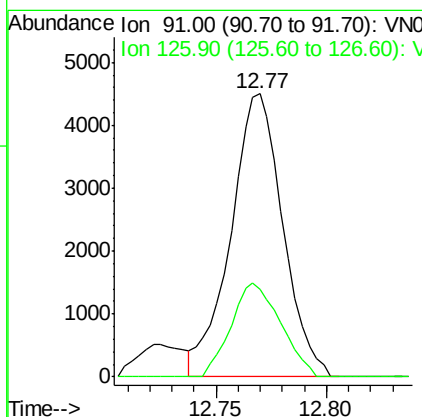
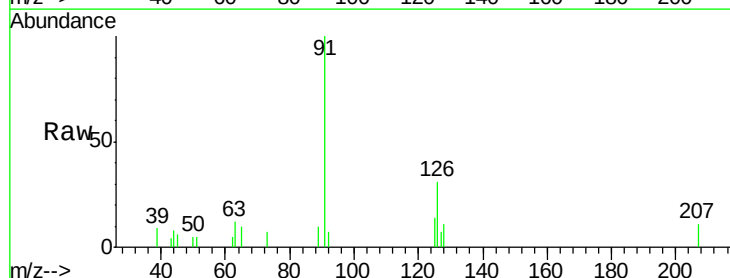
Manual Integrations
APPROVED

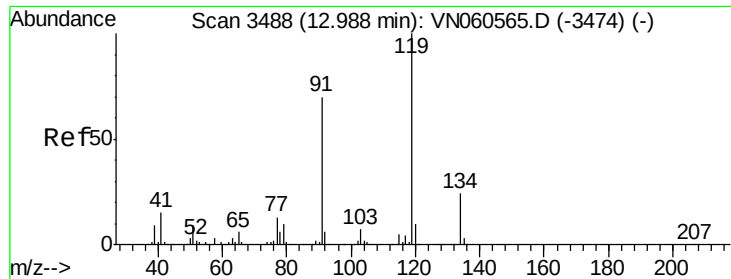
MMDadoda
3/19/2020 1:03:36 PM



#82
4-Chlorotoluene
Concen: 1.061 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion: 91 Resp: 7378
Ion Ratio Lower Upper
91 100
126 31.5 16.2 48.5





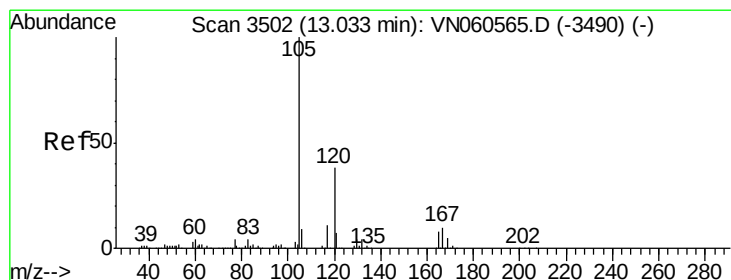
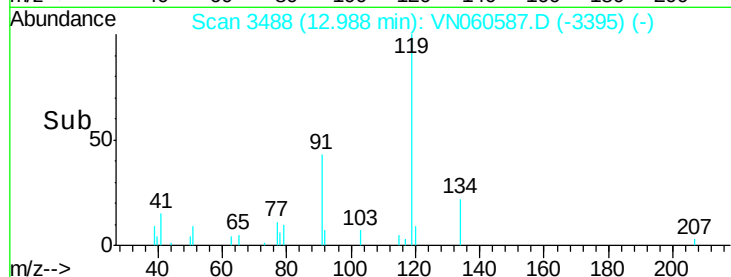
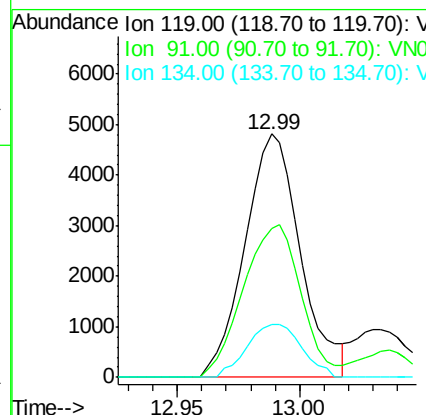
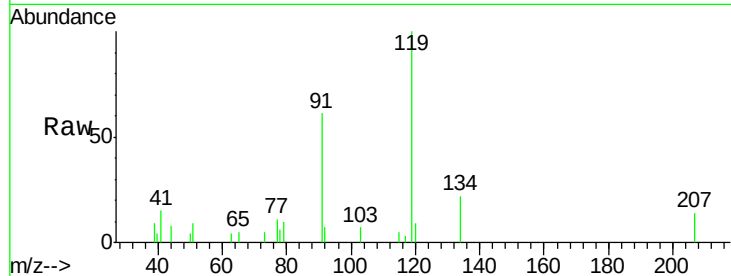
#83
 tert-Butylbenzene
 Concen: 1.118 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	34.0	101.8
134	21.4	12.7	38.0

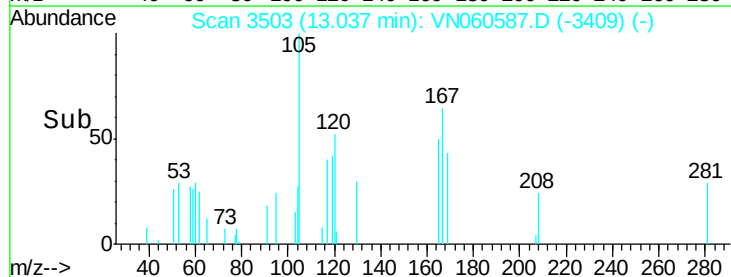
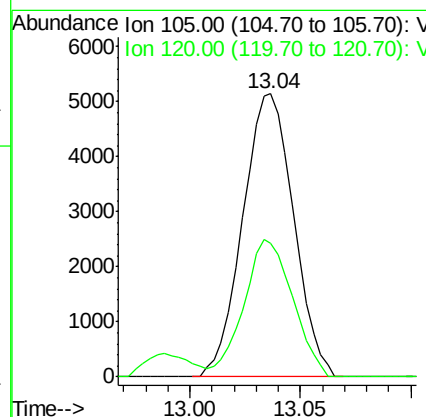
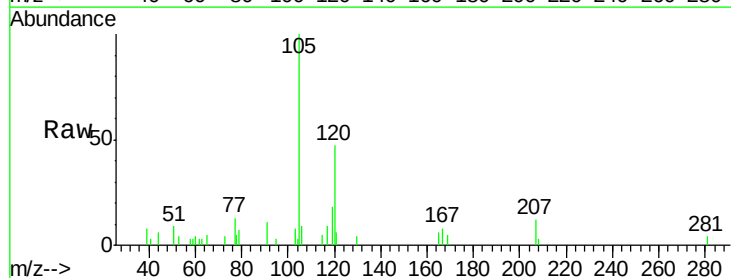
Manual Integrations
 APPROVED

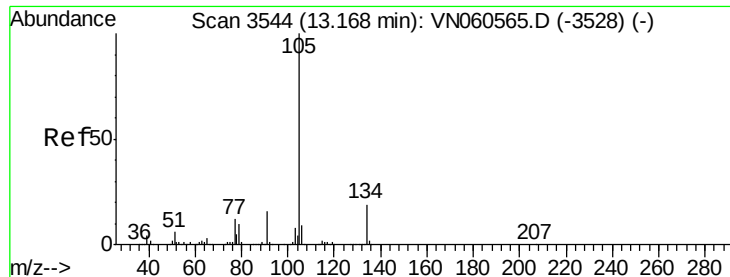
MMDadoda
 3/19/2020 1:03:36 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 1.013 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.1	66.5





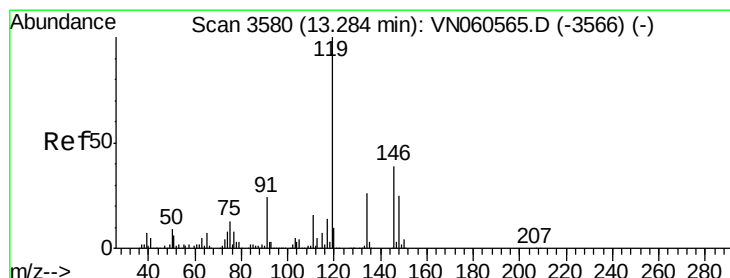
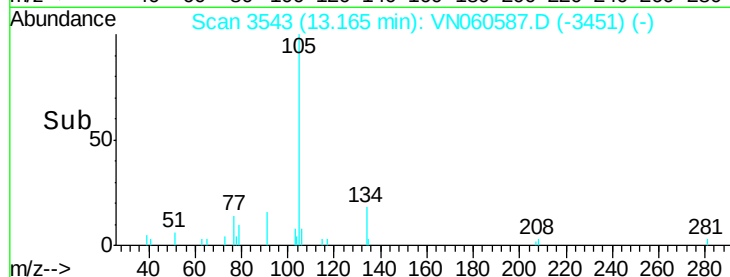
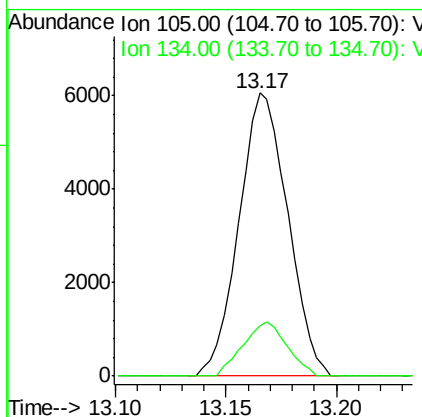
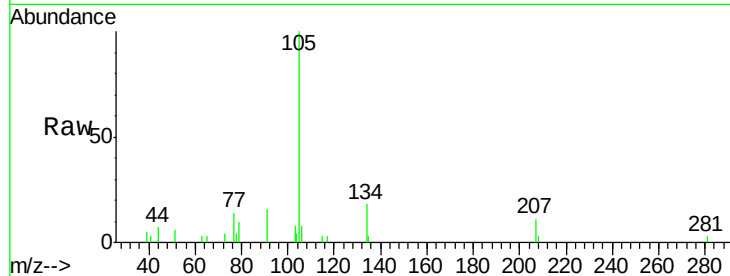
#85
 sec-Butylbenzene
 Concen: 1.019 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.3	9.6	28.8

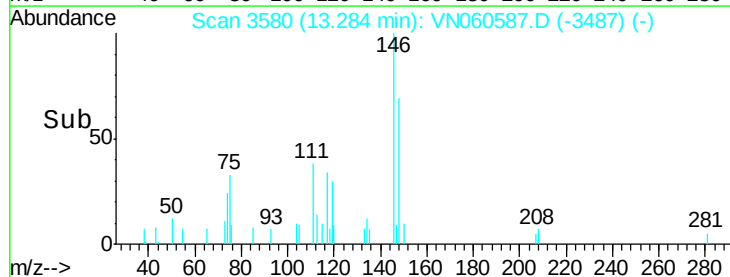
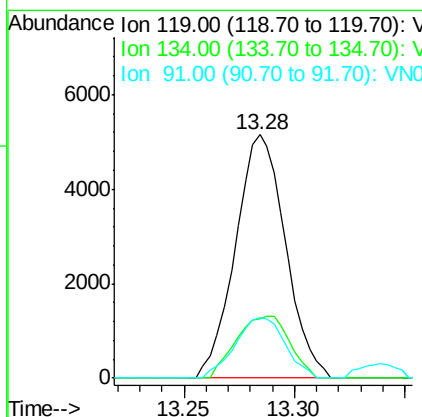
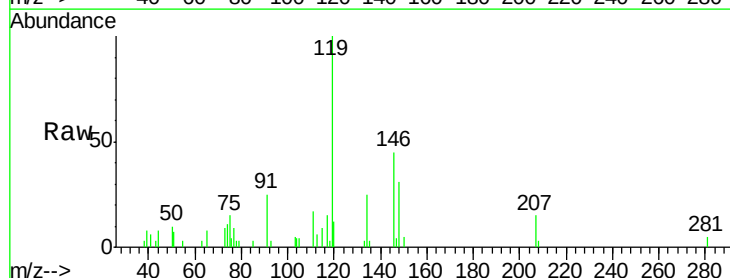
Manual Integrations
 APPROVED

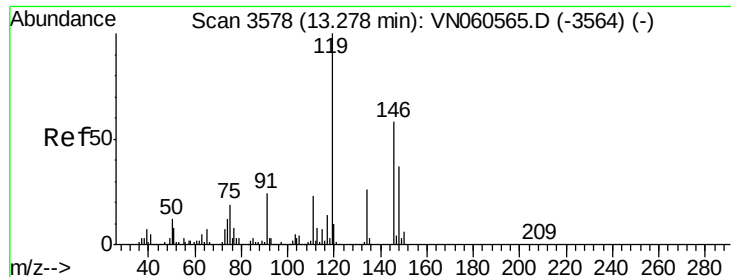
MMDadoda
 3/19/2020 1:03:36 PM



#86
 p-Isopropyltoluene
 Concen: 0.986 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.0	39.0
91	24.9	12.0	36.0





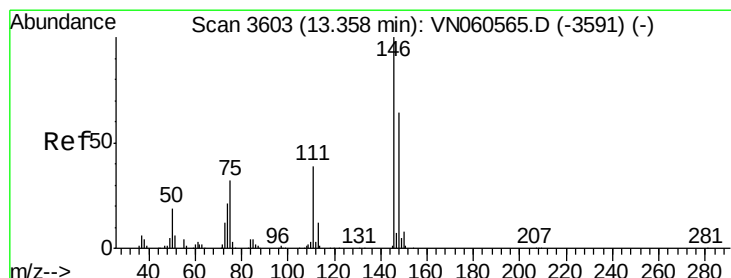
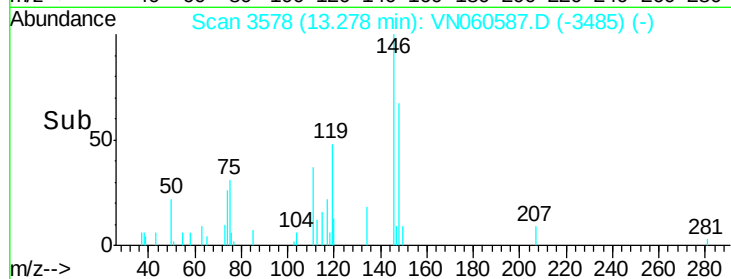
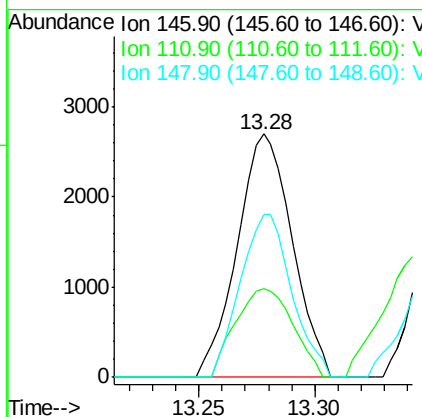
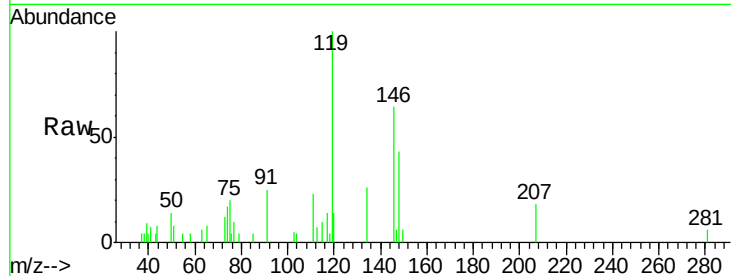
#87
 1,3-Dichlorobenzene
 Concen: 1.082 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.3	60.8
148	62.4	32.5	97.4

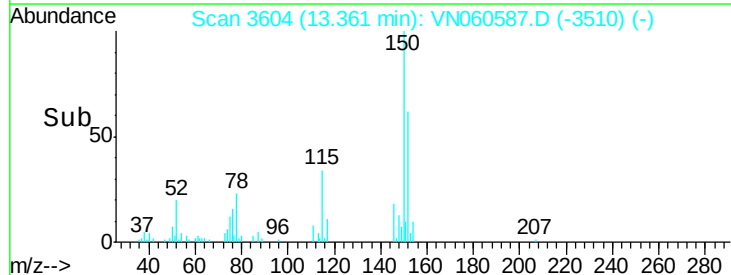
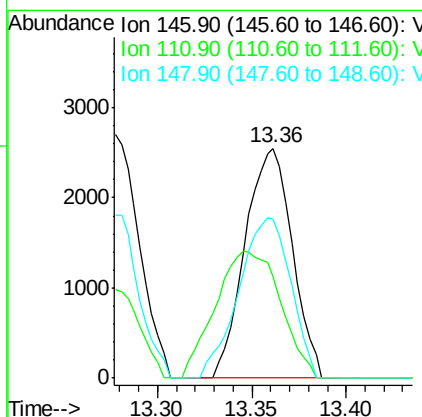
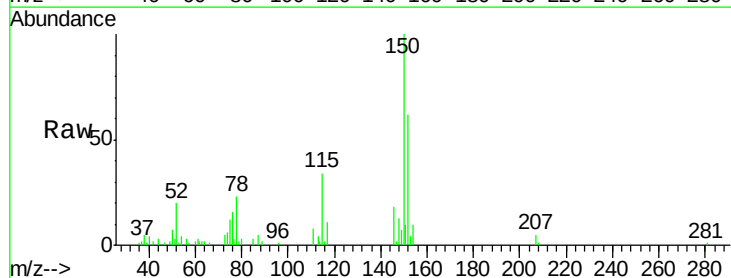
Manual Integrations
 APPROVED

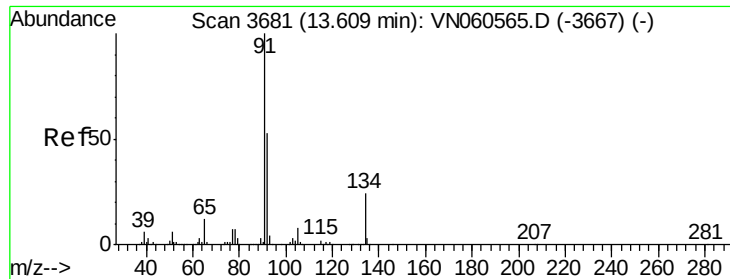
MMDadoda
 3/19/2020 1:03:36 PM



#88
 1,4-Dichlorobenzene
 Concen: 1.068 ug/l m
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.6	58.7
148	63.0	32.1	96.3





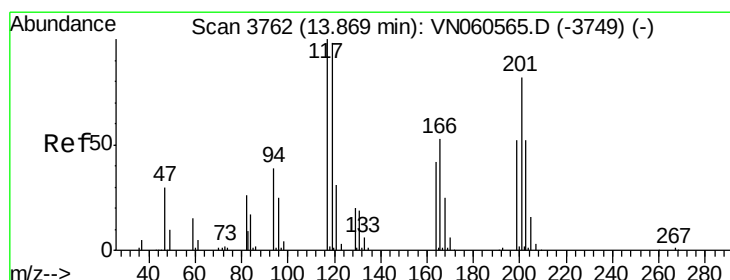
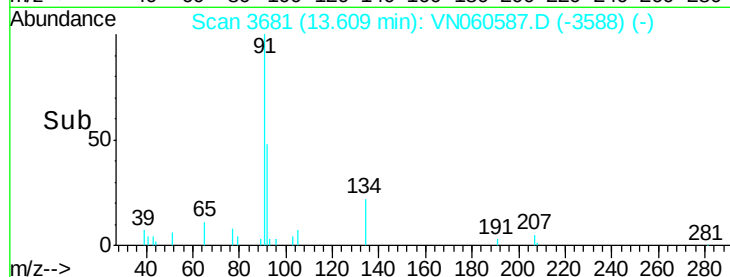
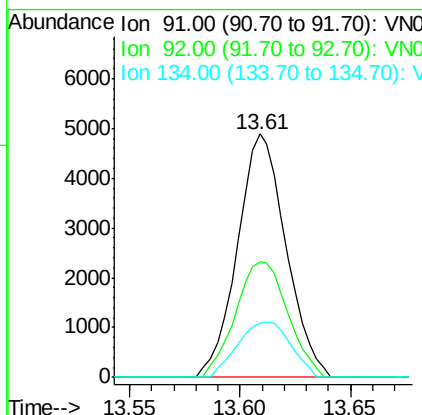
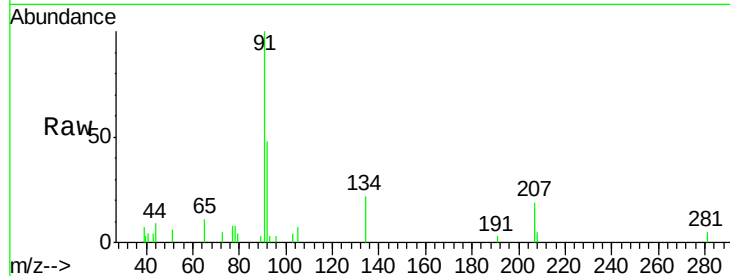
#89
n-Butylbenzene
Concen: 1.005 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.2	78.5
134	24.7	12.3	36.9

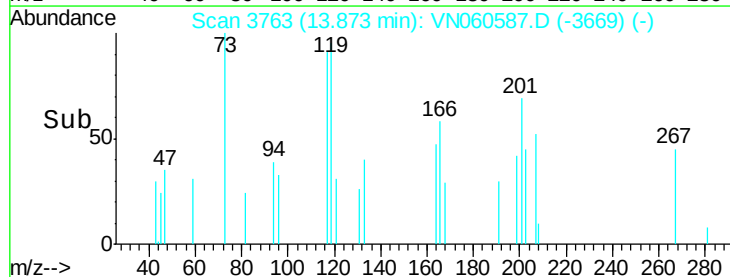
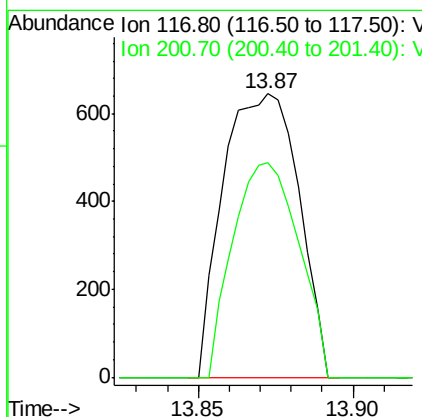
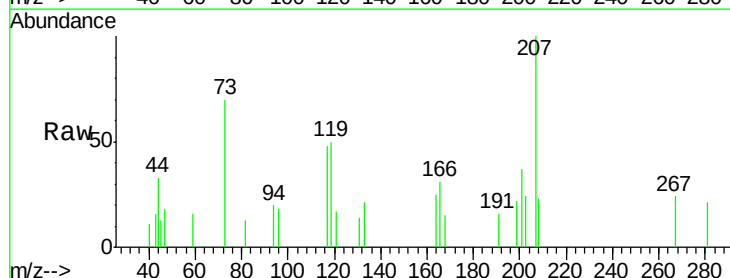
Manual Integrations
APPROVED

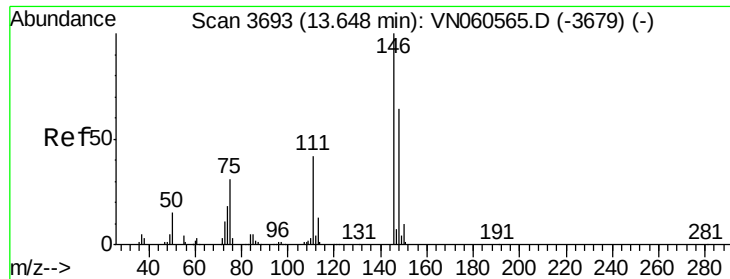
MMDadoda
3/19/2020 1:03:36 PM



#90
Hexachloroethane
Concen: 0.916 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.2	40.8	122.5





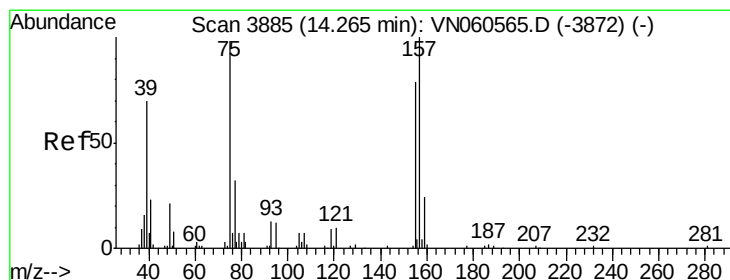
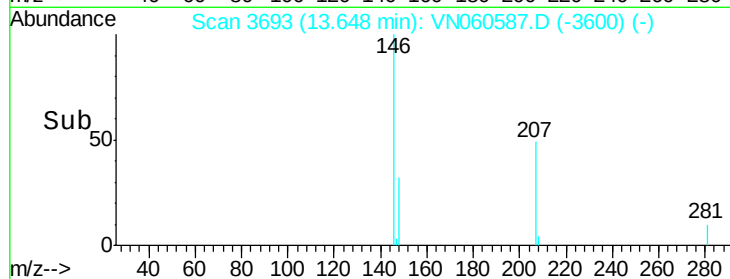
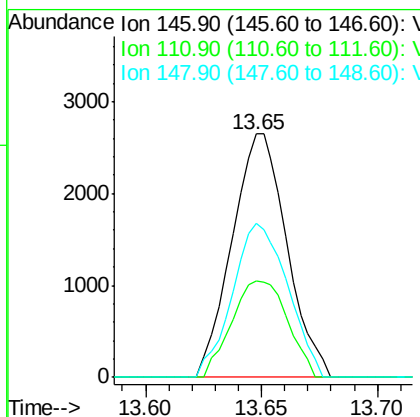
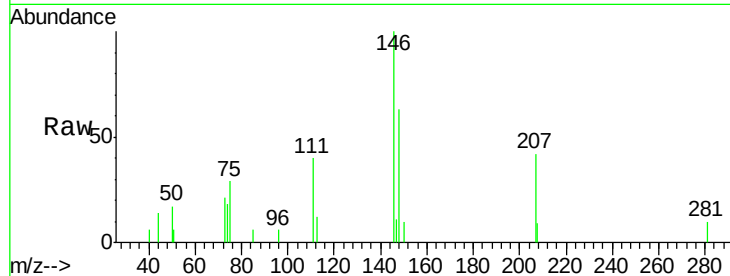
#91
 1,2-Dichlorobenzene
 Concen: 1.106 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.0	63.0
148	63.8	31.9	95.5

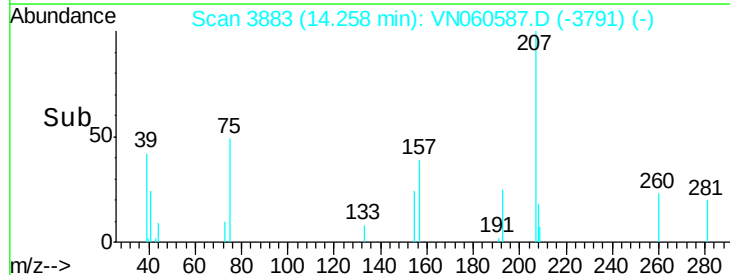
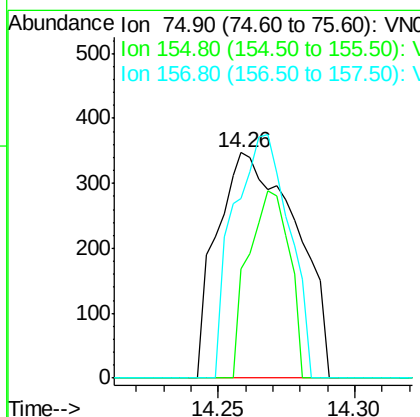
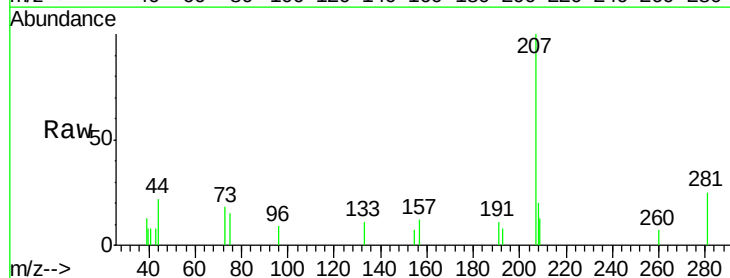
Manual Integrations
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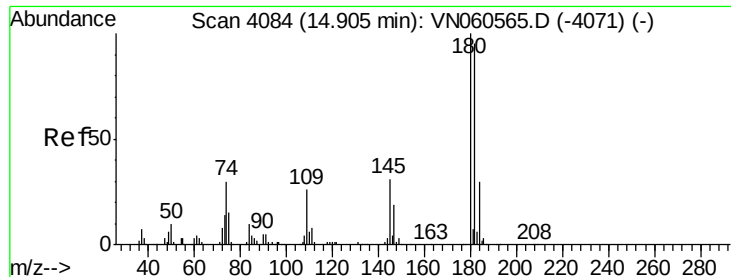
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.061 ug/l
 RT: 14.26 min Scan# 3883
 Delta R.T. -0.01 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	42.9	40.7	122.1
157	76.2	51.5	154.7





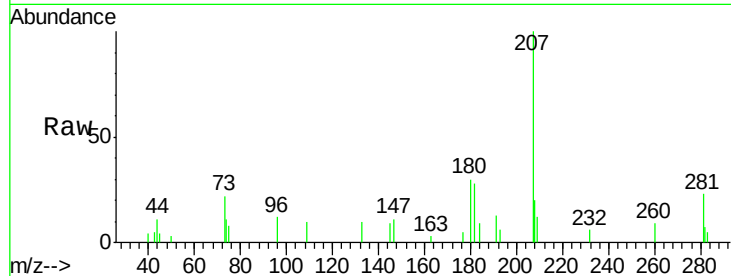
#93
 1,2,4-Trichlorobenzene
 Concen: 0.882 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

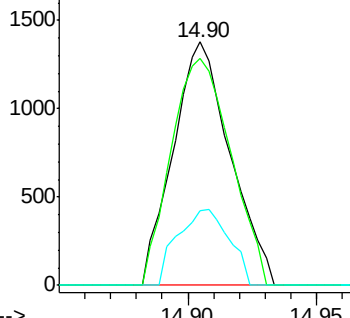
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.9	143.8
145	28.2	15.4	46.2

Manual Integrations
 APPROVED

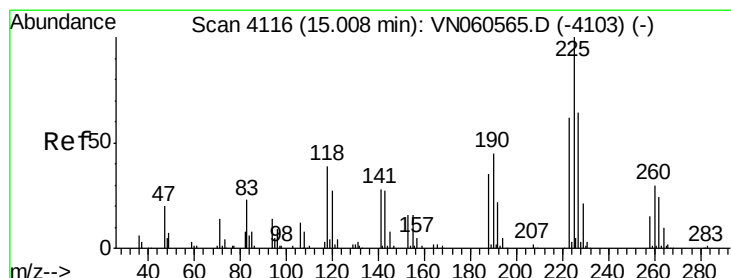
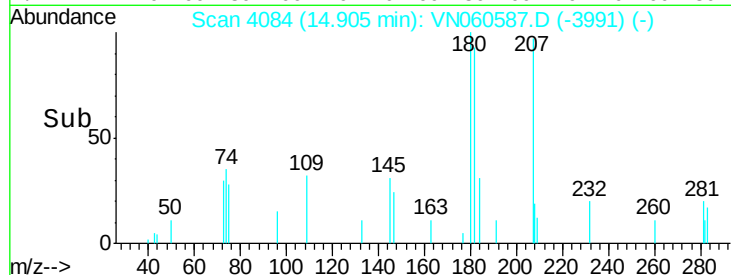
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

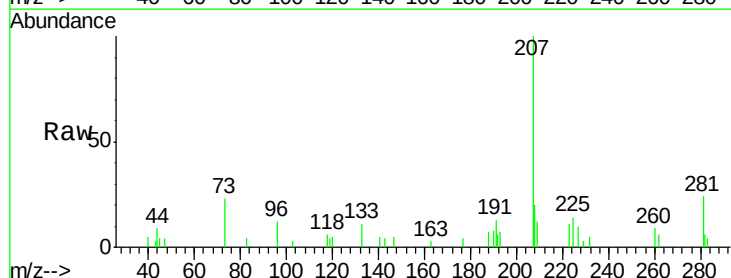


Time-->

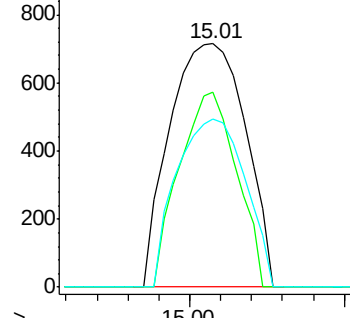


#94
 Hexachlorobutadiene
 Concen: 1.028 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060587.D
 Acq: 18 Mar 2020 13:24

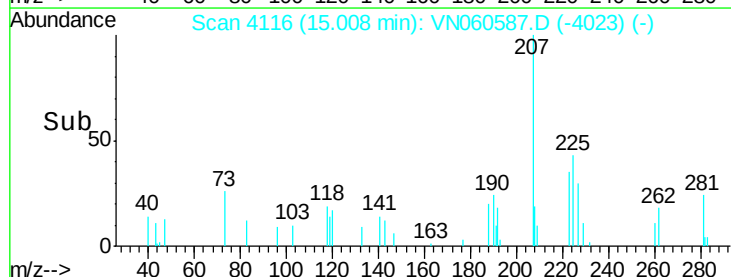
Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.6	95.0
227	62.8	32.3	96.8

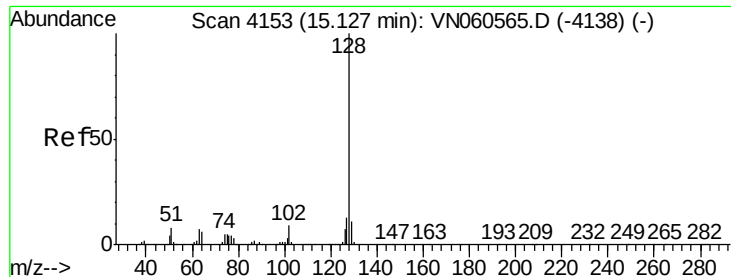


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





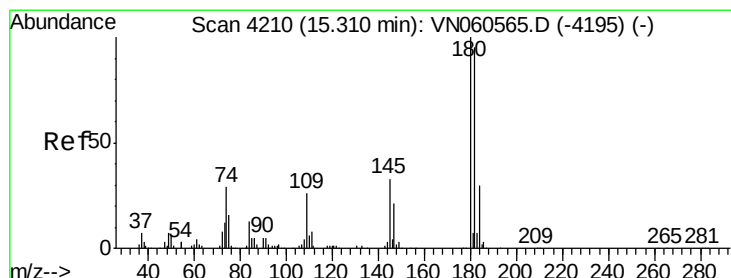
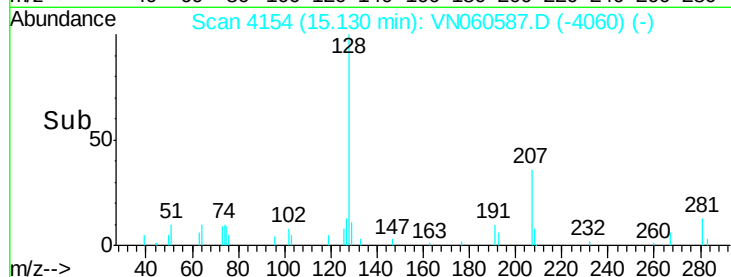
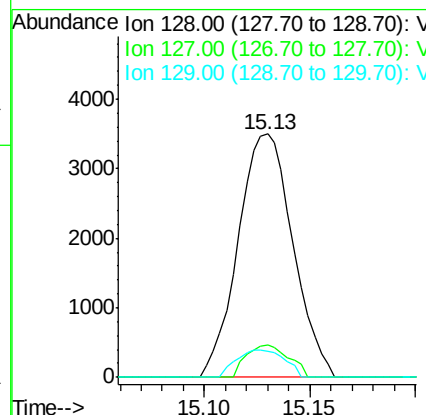
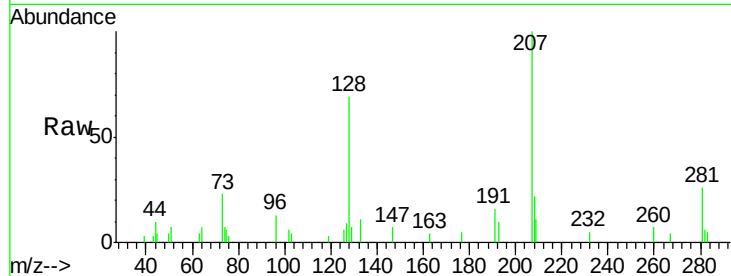
#95
Naphthalene
Concen: 0.867 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.3	10.2	15.2
129	9.9	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 0.982 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060587.D
Acq: 18 Mar 2020 13:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.1	47.5	142.6
145	28.1	16.3	48.8

