

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
 Data File : VN054912.D
 Acq On : 2 Apr 2019 19:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 10:44:13 AM

Quant Time: Apr 03 06:58:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	415465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	684391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	608934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	269448	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	286061	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.59	113	230811	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.09	98	849953	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.40	95	286851	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	193653	46.081	ug/l	99
3) Chloromethane	2.06	50	276048	47.507	ug/l	98
4) Vinyl Chloride	2.19	62	251085	48.118	ug/l	99
5) Bromomethane	2.57	94	138309	50.582	ug/l	97
6) Chloroethane	2.71	64	145950	50.090	ug/l	99
7) Trichlorofluoromethane	3.03	101	327112	50.990	ug/l	100
8) Diethyl Ether	3.41	74	110484	53.485	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	170913	50.609	ug/l	93
10) Methyl Iodide	3.94	142	245595	53.122	ug/l #	88
11) Tert butyl alcohol	4.82	59	79786	273.427	ug/l	98
12) 1,1-Dichloroethene	3.73	96	168261	51.522	ug/l #	75
13) Acrolein	3.61	56	69018	264.574	ug/l	99
14) Allyl chloride	4.32	41	408598	50.795	ug/l #	91
15) Acrylonitrile	5.00	53	443865	273.667	ug/l	100
16) Acetone	3.82	43	306155	229.237	ug/l #	82
17) Carbon Disulfide	4.04	76	491365	46.389	ug/l	100
18) Methyl Acetate	4.33	43	199445	57.472	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	612484	53.615	ug/l	95
20) Methylene Chloride	4.55	84	239637	50.868	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	219149	51.089	ug/l	86
22) Diisopropyl ether	5.96	45	870580	54.719	ug/l #	94
23) Vinyl Acetate	5.90	43	3100184	280.008	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	455164	53.631	ug/l	97
25) 2-Butanone	6.85	43	539735	273.396	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	305498	51.358	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	256817	52.997	ug/l	88
28) Bromochloromethane	7.19	49	236707	55.777	ug/l #	70
29) Tetrahydrofuran	7.22	42	367902	268.313	ug/l #	82
30) Chloroform	7.37	83	437606	54.074	ug/l	96
31) Cyclohexane	7.65	56	412428	53.476	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	359825	53.653	ug/l	95
36) 1,1-Dichloropropene	7.79	75	324912	50.949	ug/l	96
37) Ethyl Acetate	6.94	43	243716	52.114	ug/l	95
38) Carbon Tetrachloride	7.77	117	314693	50.806	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	348645	49.728	ug/l	91
40) Benzene	8.04	78	964403	52.851	ug/l	98
41) Methacrylonitrile	7.18	41	141258	53.770	ug/l	89
42) 1,2-Dichloroethane	8.12	62	342179	52.518	ug/l	97
43) Isopropyl Acetate	8.17	43	421758	55.504	ug/l #	94
44) Trichloroethene	8.84	130	247149	52.176	ug/l	93
45) 1,2-Dichloropropane	9.12	63	274797	52.814	ug/l	99
46) Dibromomethane	9.21	93	153888	52.576	ug/l	89
47) Bromodichloromethane	9.40	83	331853	54.553	ug/l	97
48) Methyl methacrylate	9.20	41	209720	50.914	ug/l	90
49) 1,4-Dioxane	9.20	88	43927	1074.782	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	1199331	280.729	ug/l	92
52) Toluene	10.16	92	573460	52.814	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	326724	57.098	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	387296	56.660	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	213301	52.831	ug/l	95
56) Ethyl methacrylate	10.43	69	298025	56.271	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	377767	54.424	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	608736	266.127	ug/l	89
59) 2-Hexanone	10.75	43	737884	269.803	ug/l	91
60) Dibromochloromethane	10.90	129	230674	56.402	ug/l	100
61) 1,2-Dibromoethane	11.01	107	206993	53.648	ug/l	99
64) Tetrachloroethene	10.63	164	227319	48.647	ug/l	97
65) Chlorobenzene	11.43	112	608822	51.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	234345	52.515	ug/l	99
67) Ethyl Benzene	11.51	91	1096648	50.973	ug/l	98
68) m/p-Xylenes	11.62	106	809431	101.666	ug/l	94
69) o-Xylene	11.95	106	399176	51.129	ug/l	95
70) Styrene	11.96	104	676768	54.215	ug/l	97
71) Bromoform	12.13	173	141945	54.296	ug/l #	100
73) Isopropylbenzene	12.25	105	1060009	48.131	ug/l	98
74) N-amyl acetate	12.07	43	348560	50.801	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	263602	54.447	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	236426m	50.508	ug/l	
77) Bromobenzene	12.53	156	261918	49.276	ug/l	85
78) n-propylbenzene	12.59	91	1182304	48.843	ug/l	96
79) 2-Chlorotoluene	12.67	91	718520	47.979	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	872779	48.297	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	61711	51.280	ug/l #	84
82) 4-Chlorotoluene	12.77	91	714636	49.130	ug/l	95
83) tert-Butylbenzene	12.99	119	739694	52.952	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	869809	50.522	ug/l	97
85) sec-Butylbenzene	13.17	105	959622	48.884	ug/l	97
86) p-Isopropyltoluene	13.29	119	849565	49.067	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	439786	49.419	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	422099	48.360	ug/l	98
89) n-Butylbenzene	13.61	91	700517	49.589	ug/l	97
90) Hexachloroethane	13.87	117	142055	48.323	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	437310	48.692	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39208	52.076	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	214690	49.583	ug/l	98
94) Hexachlorobutadiene	15.01	225	129625	50.574	ug/l	99
95) Naphthalene	15.13	128	474160	48.826	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	210705	48.185	ug/l	98

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

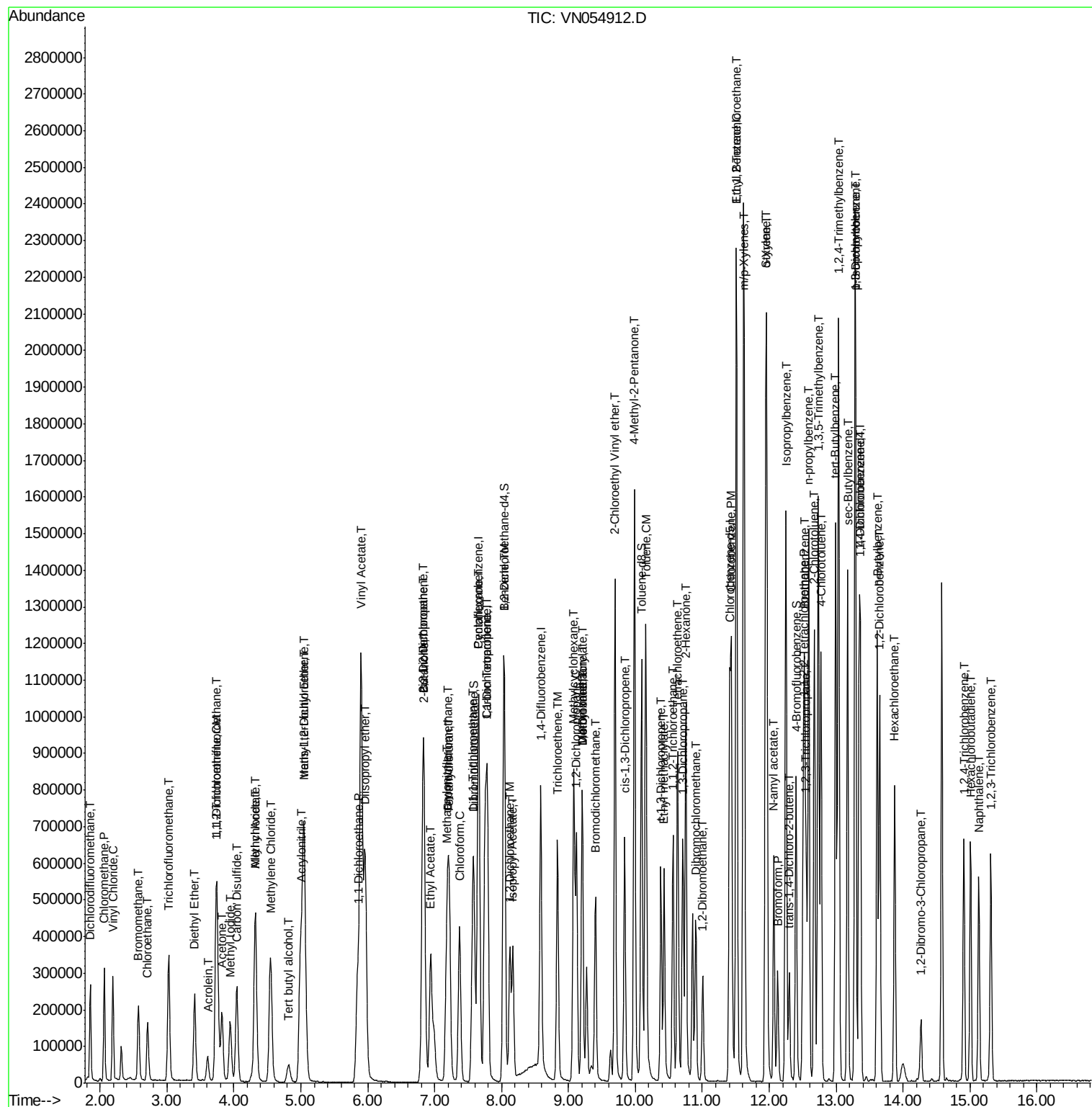
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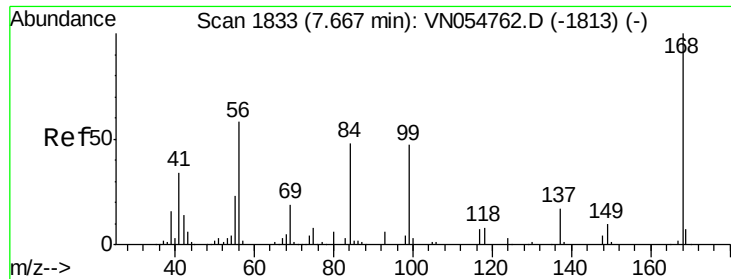
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 415465

Ion Ratio Lower Upper

168 100

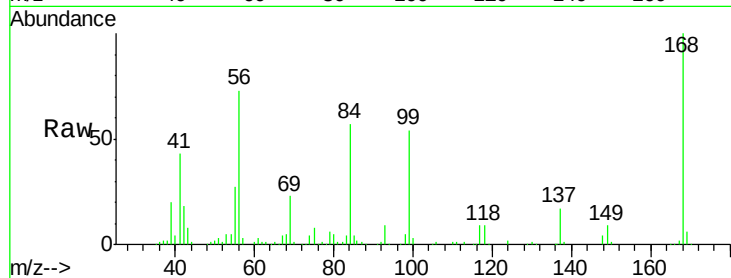
99 53.4 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

100000

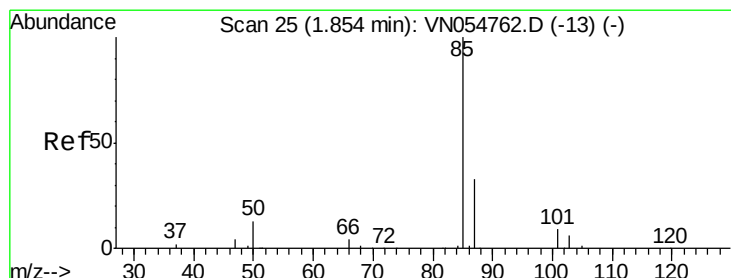
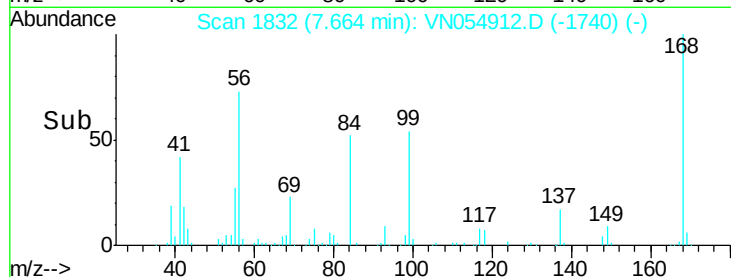
50000

0

7.66

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.081 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054912.D

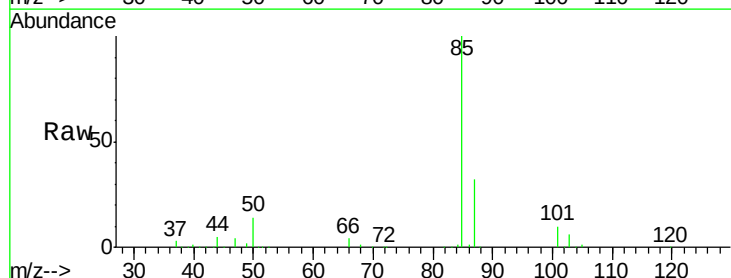
Acq: 2 Apr 2019 19:48

Tgt Ion: 85 Resp: 193653

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

150000

100000

50000

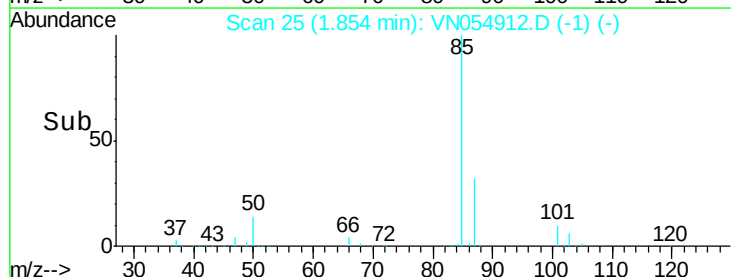
0

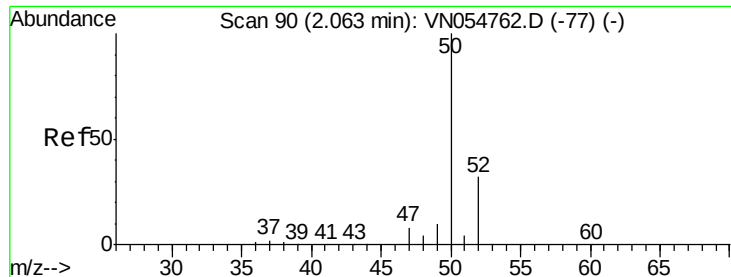
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 47.507 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 276048

Ion Ratio Lower Upper

50 100

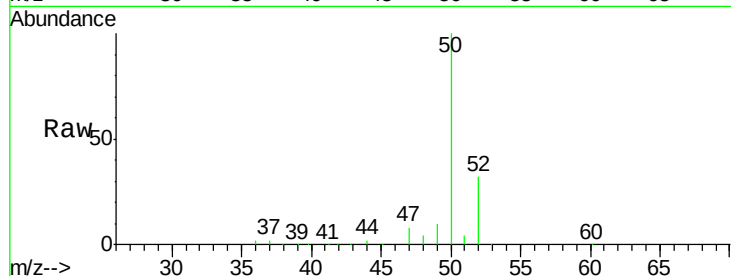
52 31.8 26.4 39.6

Manual Integrations

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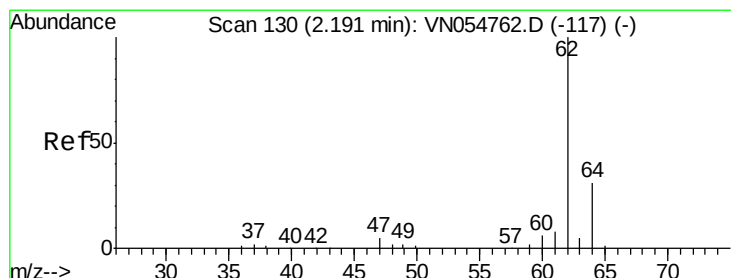
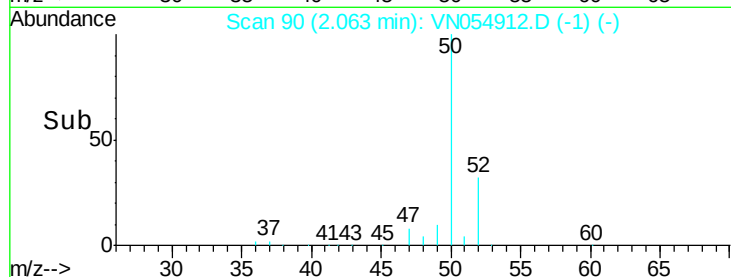
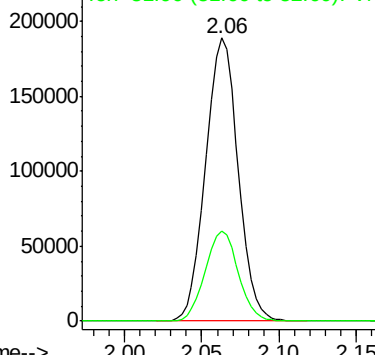
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 48.118 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054912.D

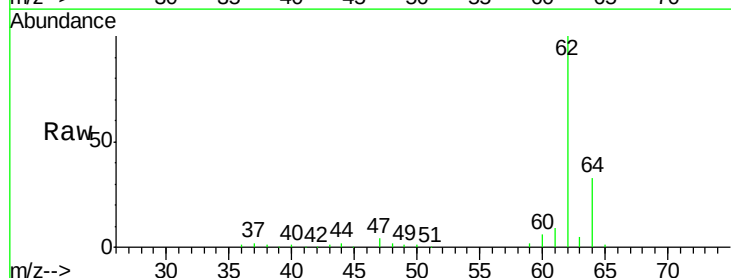
Acq: 2 Apr 2019 19:48

Tgt Ion: 62 Resp: 251085

Ion Ratio Lower Upper

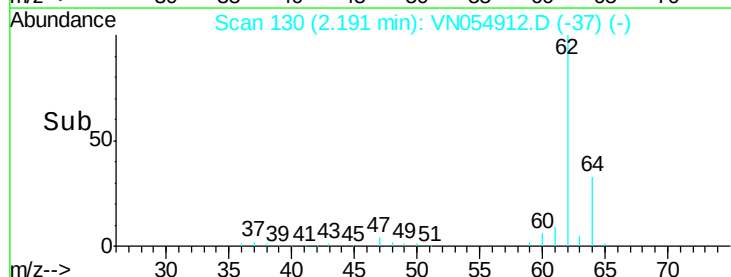
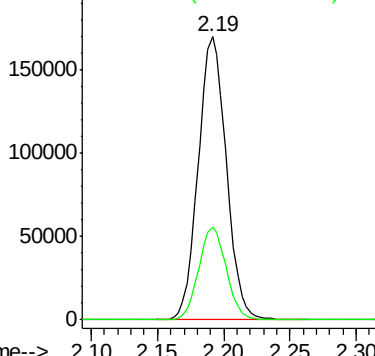
62 100

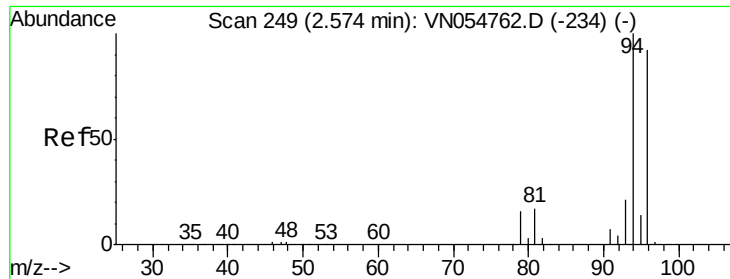
64 32.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 50.582 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

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Tot Ion: 94 Resp: 138309

Ion Ratio Lower Upper

94 100

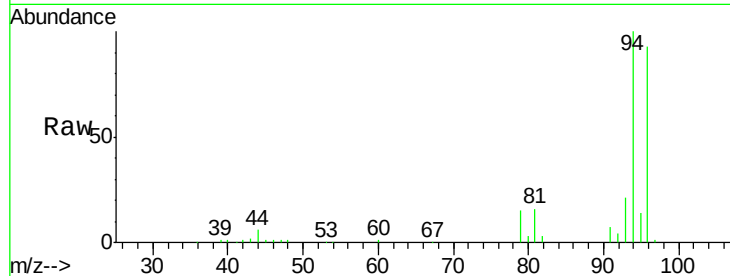
96 93.1 77.0 115.4

Manual Integrations

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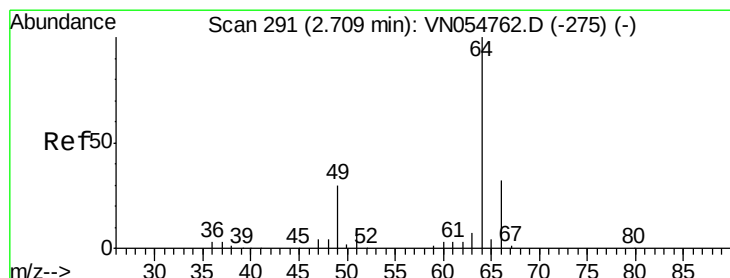
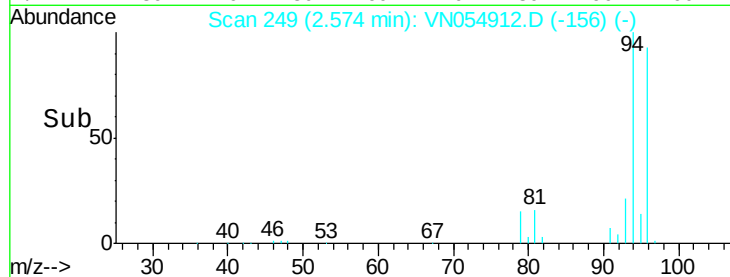
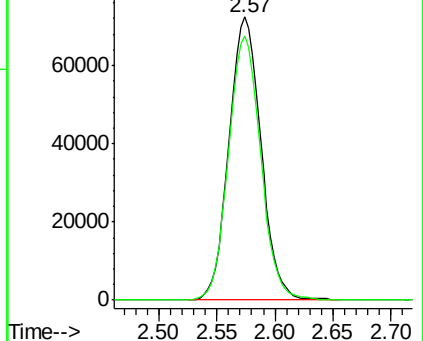
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.090 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054912.D

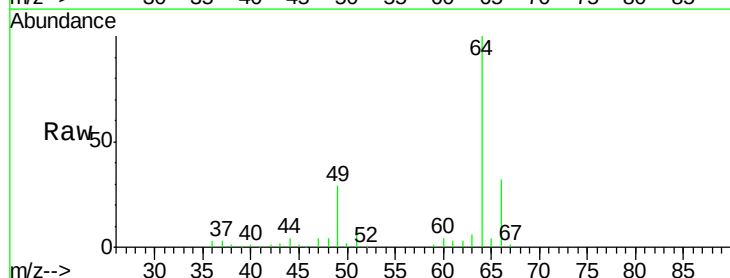
Acq: 2 Apr 2019 19:48

Tgt Ion: 64 Resp: 145950

Ion Ratio Lower Upper

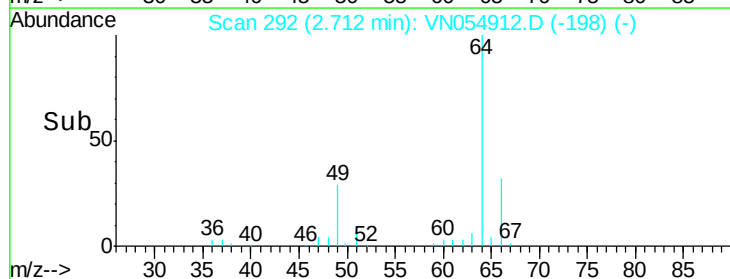
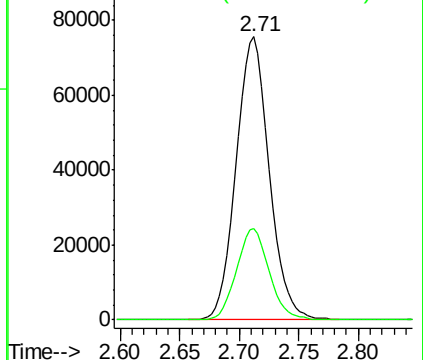
64 100

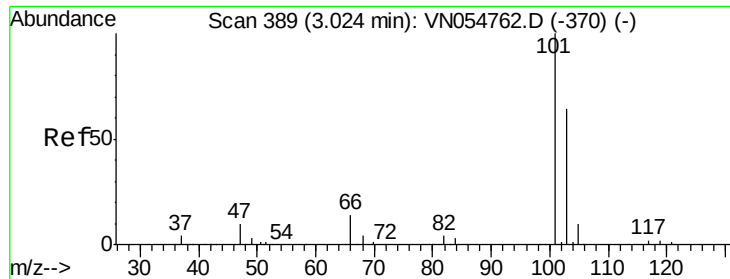
66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

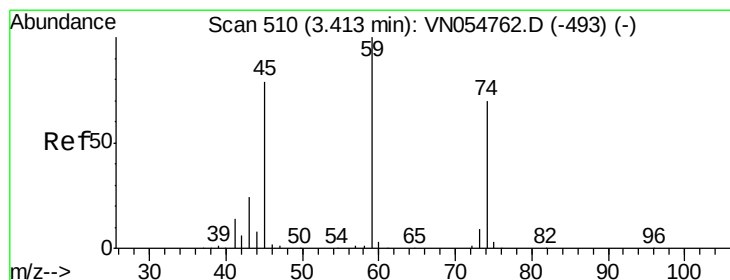
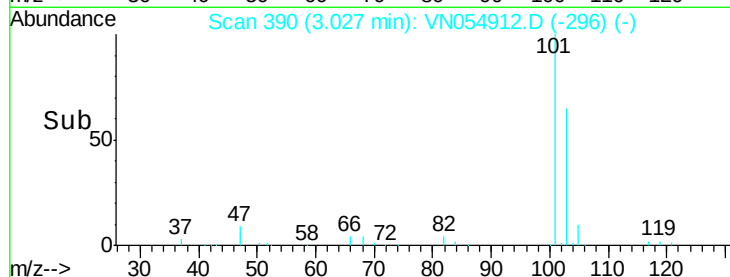
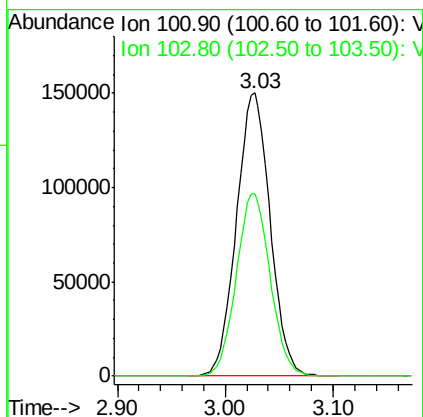
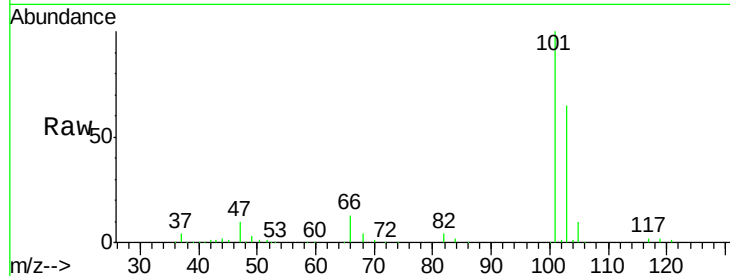
Trichlorofluoromethane
Concen: 50.990 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 327112
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2

Manual Integrations
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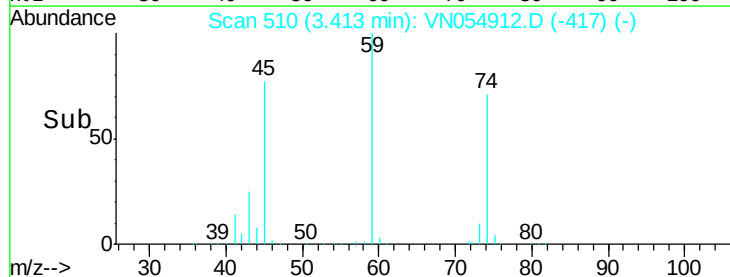
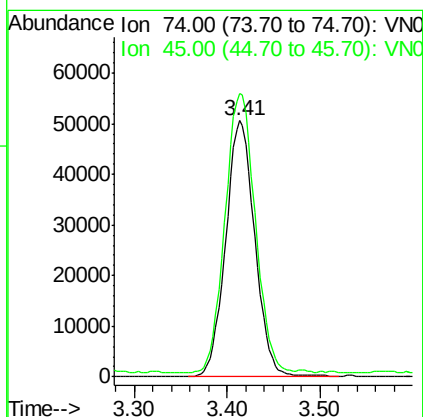
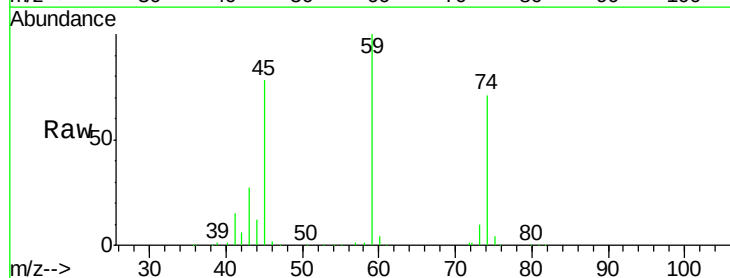
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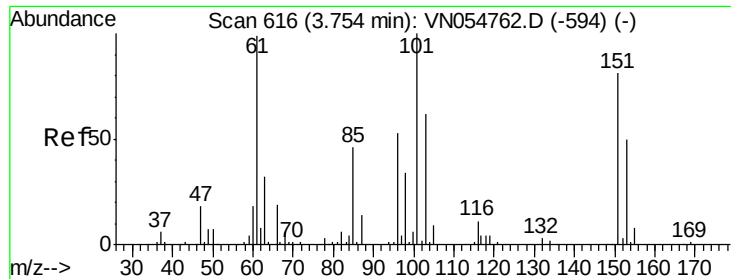


#8

Diethyl Ether
Concen: 53.485 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion: 74 Resp: 110484
Ion Ratio Lower Upper
74 100
45 112.9 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.609 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

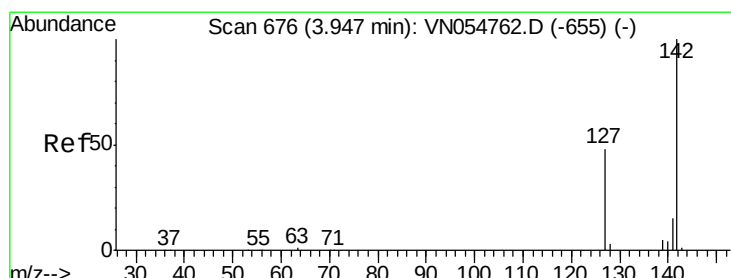
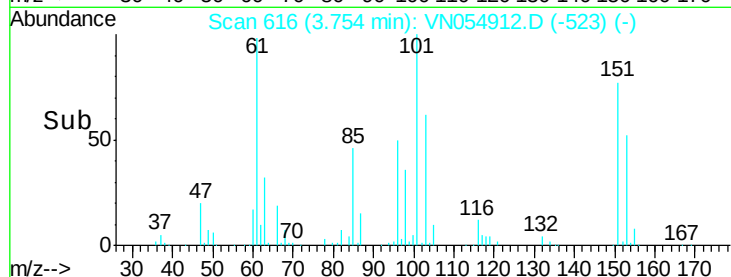
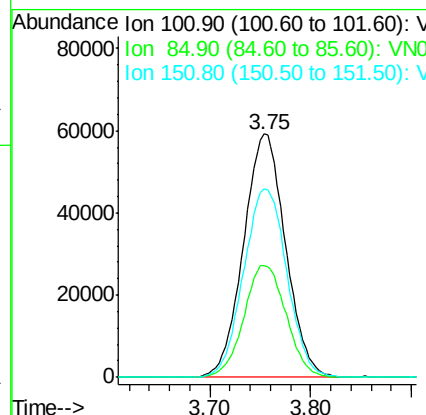
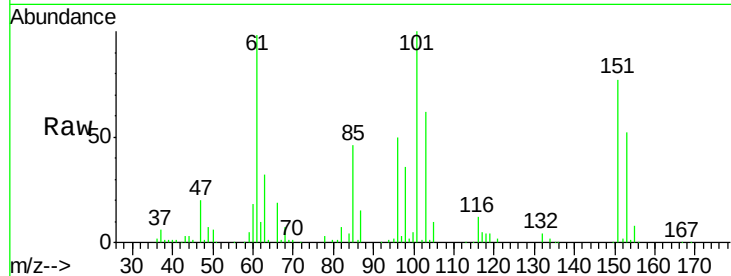
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	170913
Ion Ratio	Lower	Upper	
101	100		
85	46.2	32.4	48.6
151	80.1	68.2	102.2

Manual Integrations
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MMDadoda
4/3/2019 10:44:13 AM



#10

Methyl Iodide

Concen: 53.122 ug/l

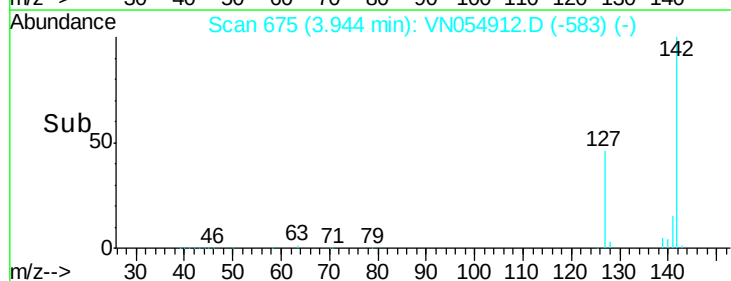
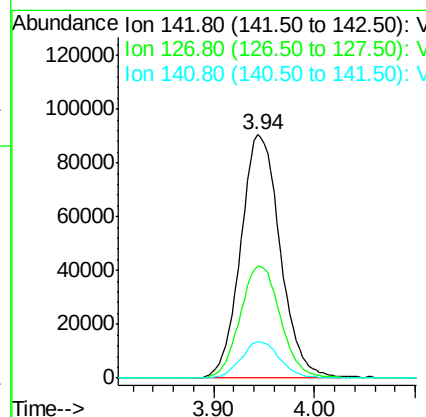
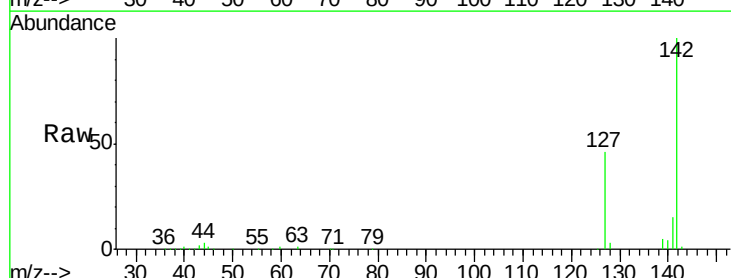
RT: 3.94 min Scan# 675

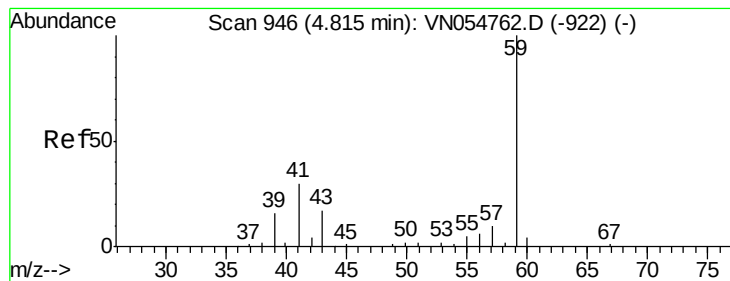
Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Tgt Ion:	142	Resp:	245595
Ion Ratio	Lower	Upper	
142	100		
127	47.1	30.3	45.5#
141	14.8	11.2	16.8





#11

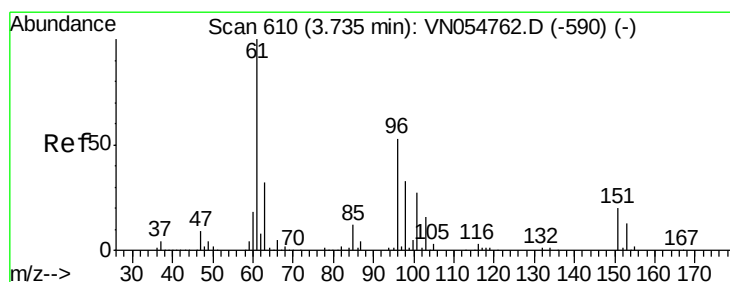
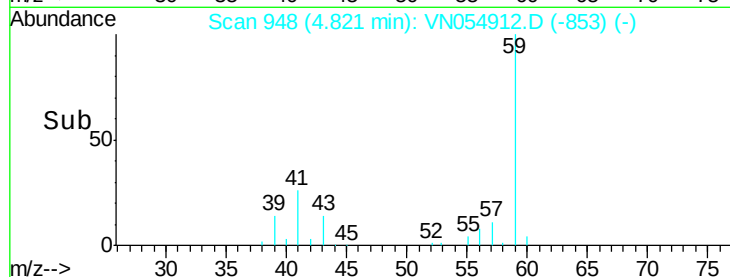
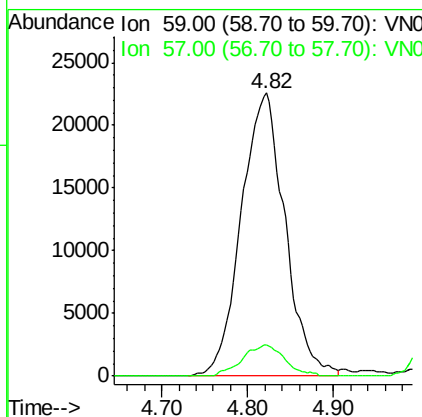
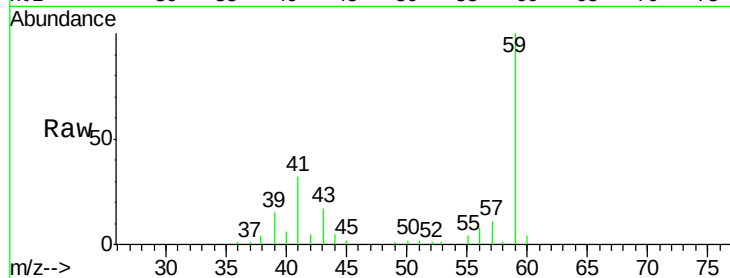
Tert butyl alcohol
Concen: 273.427 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.01 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	79786		
57	10.7		9.0	13.6

Manual Integrations
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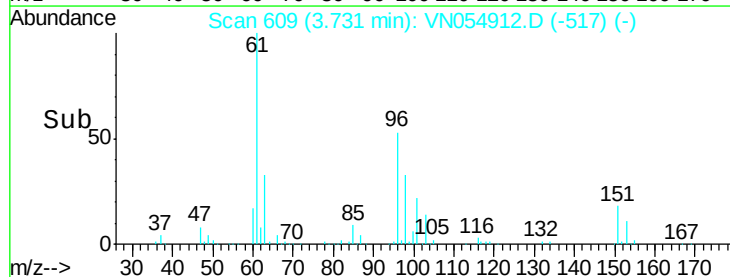
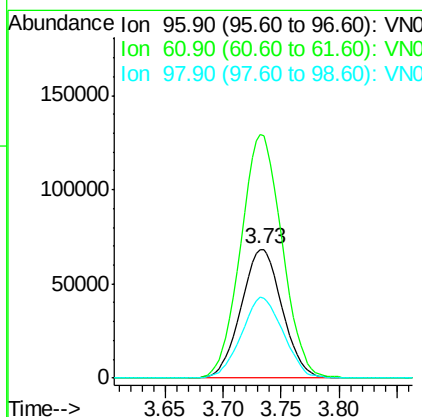
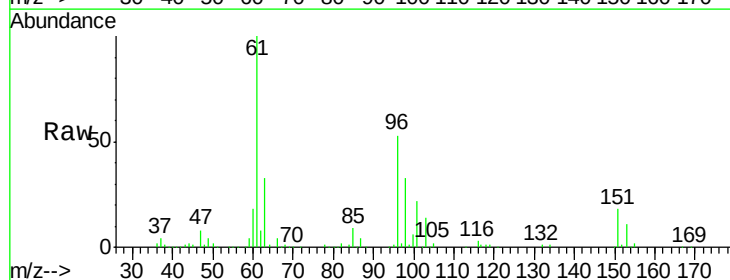
MMDadoda
4/3/2019 10:44:13 AM

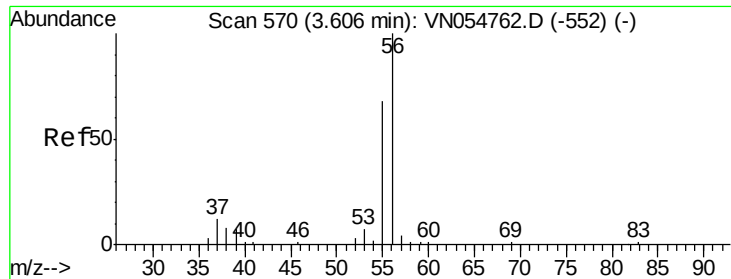


#12

1,1-Dichloroethene
Concen: 51.522 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	168261		
61	188.7		116.5	174.7#
98	62.3		51.0	76.4





#13

Acrolein

Concen: 264.574 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 69018

Ion Ratio Lower Upper

56 100

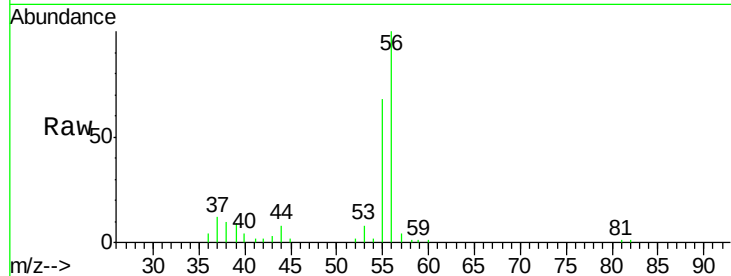
55 71.8 56.7 85.1

Manual Integrations

APPROVED

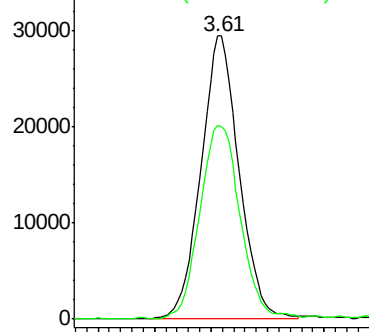
MMDadoda

4/3/2019 10:44:13 AM

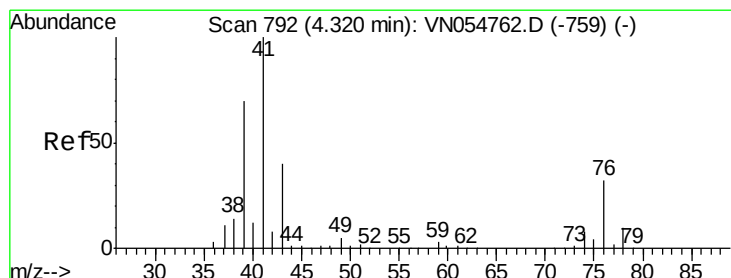
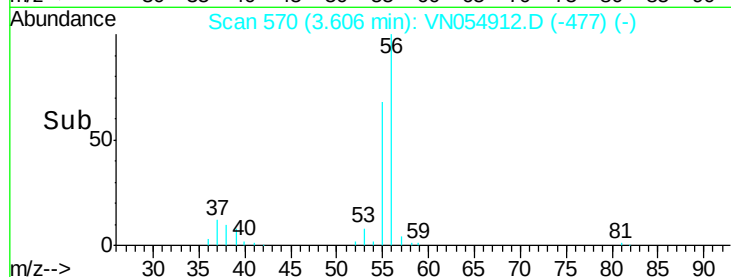


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 50.795 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

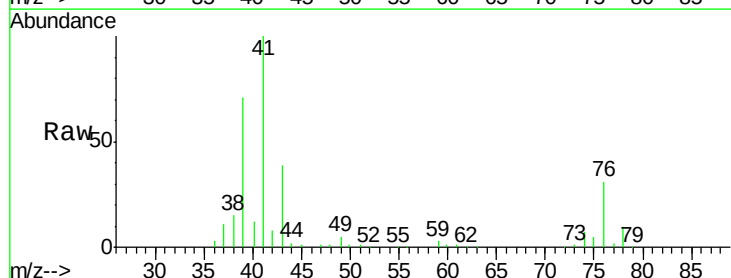
Tgt Ion: 41 Resp: 408598

Ion Ratio Lower Upper

41 100

39 68.3 58.2 87.4

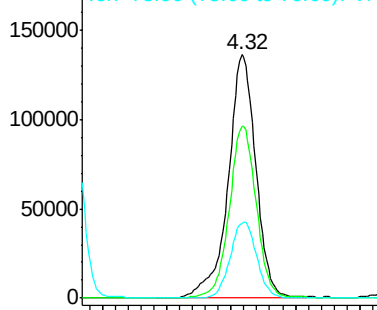
76 29.8 31.7 47.5#



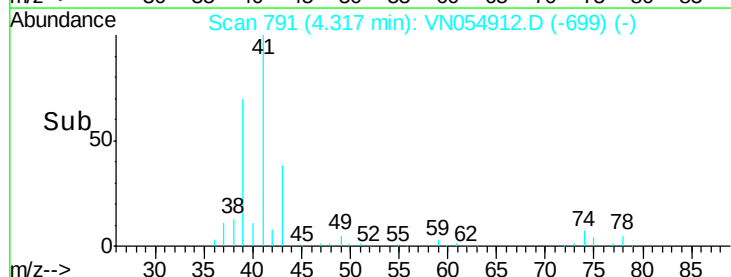
Abundance Ion 41.00 (40.70 to 41.70): VN0

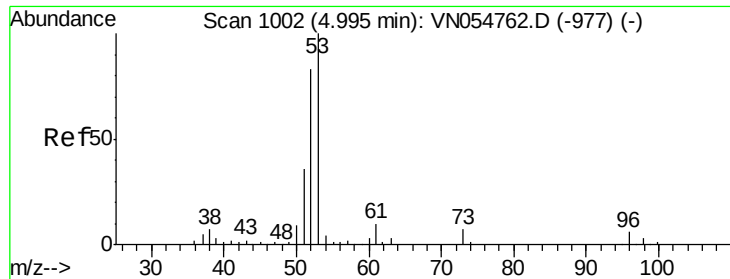
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





#15

Acrylonitrile

Concen: 273.667 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

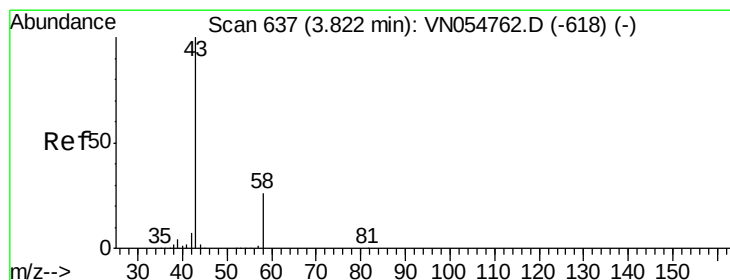
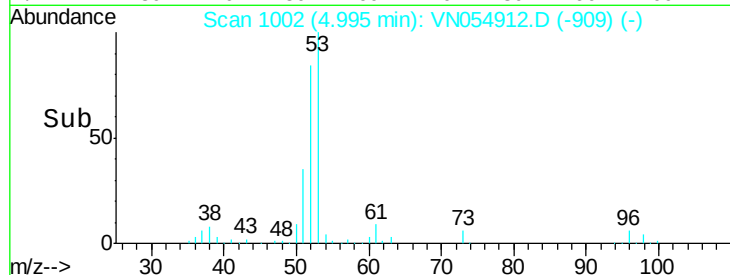
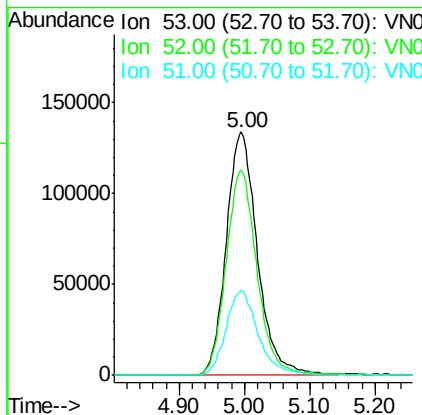
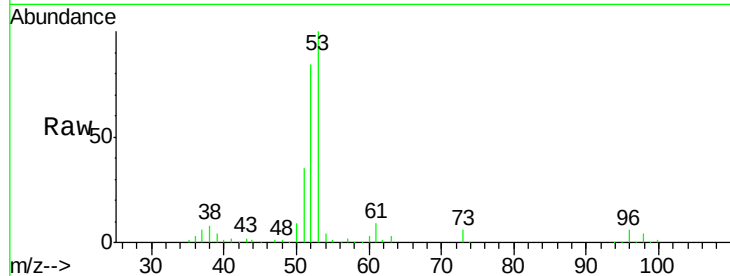
ClientSampled :

VSTDCCC050EC

Tot Ion:	53	Resp:	443865
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.4	99.6
51	36.1	29.6	44.4

Manual Integrations
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MMDadoda
4/3/2019 10:44:13 AM



#16

Acetone

Concen: 229.237 ug/l

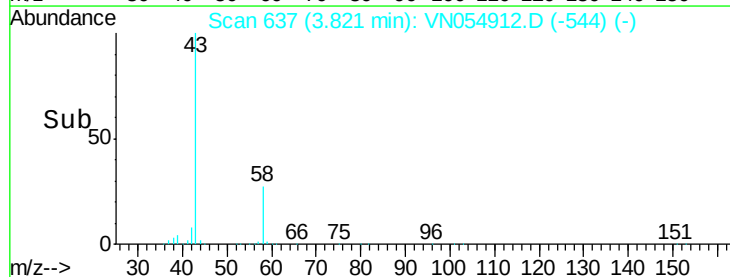
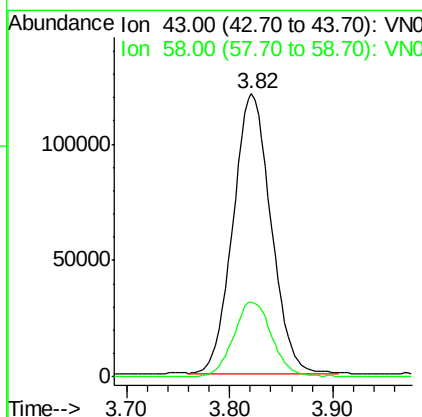
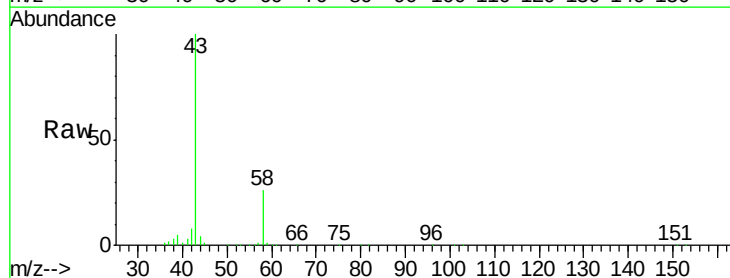
RT: 3.82 min Scan# 637

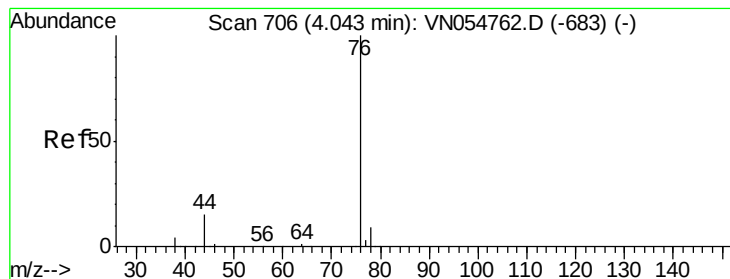
Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Tgt Ion:	43	Resp:	306155
Ion	Ratio	Lower	Upper
43	100		
58	26.5	29.9	44.9#





#17

Carbon Disulfide

Concen: 46.389 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 491365

Ion Ratio Lower Upper

76 100

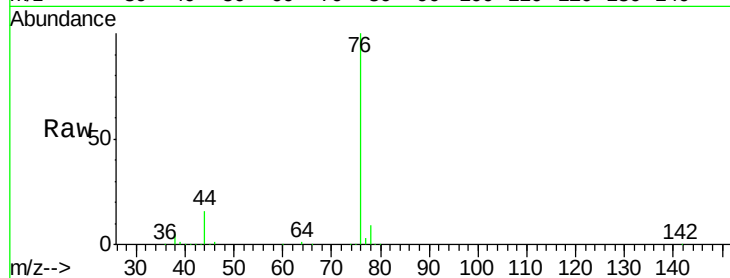
78 9.2 7.5 11.3

Manual Integrations

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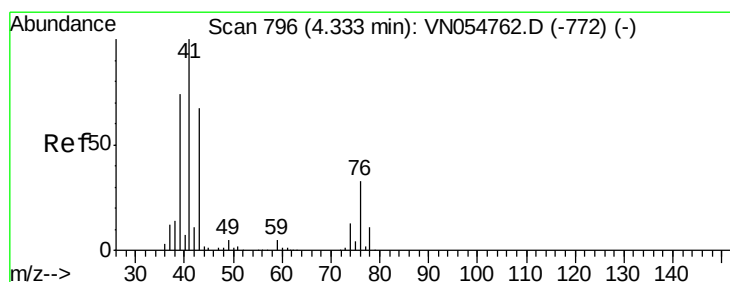
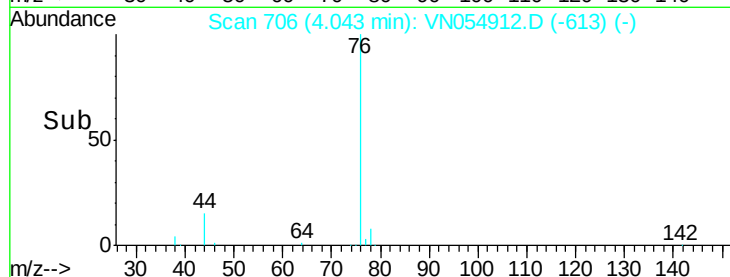
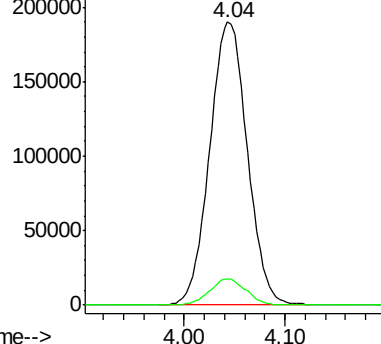
MMDadoda

4/3/2019 10:44:13 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 57.472 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054912.D

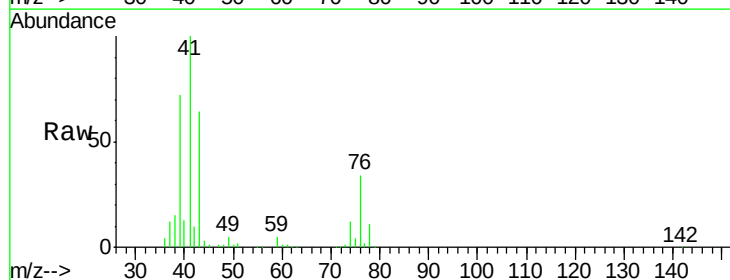
Acq: 2 Apr 2019 19:48

Tgt Ion: 43 Resp: 199445

Ion Ratio Lower Upper

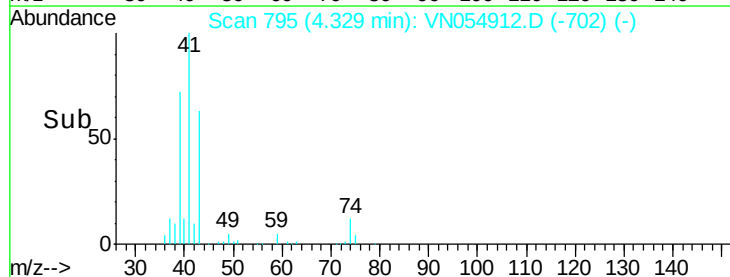
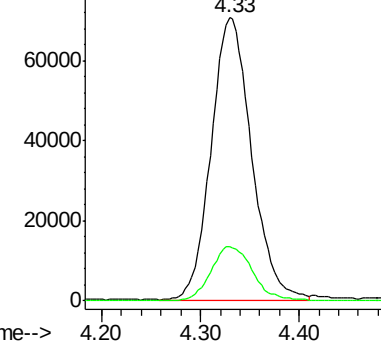
43 100

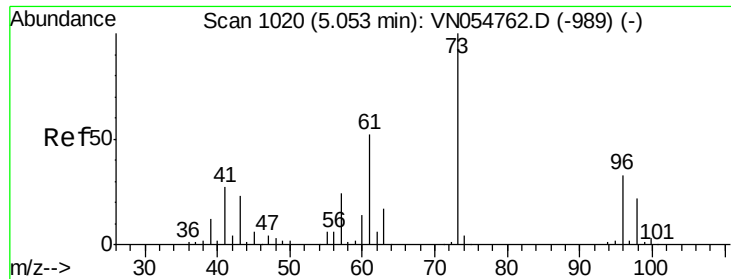
74 19.9 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





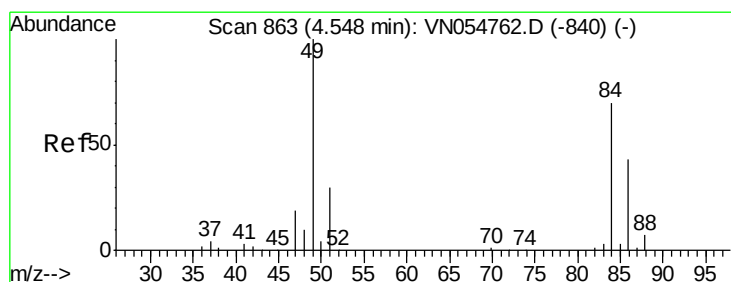
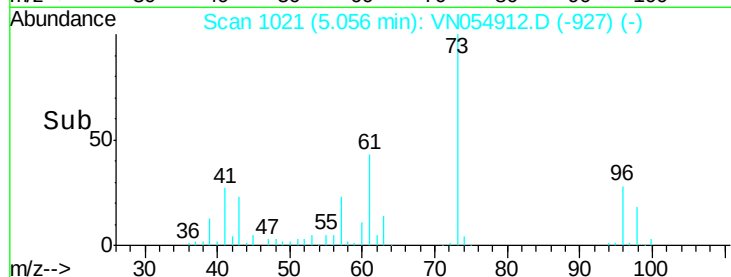
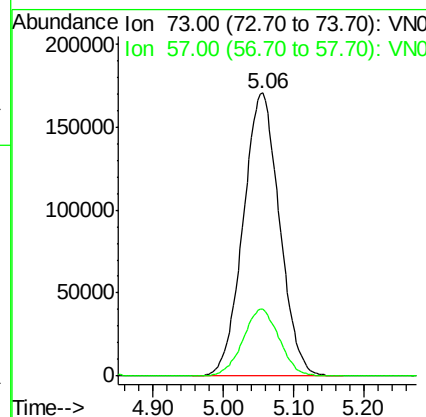
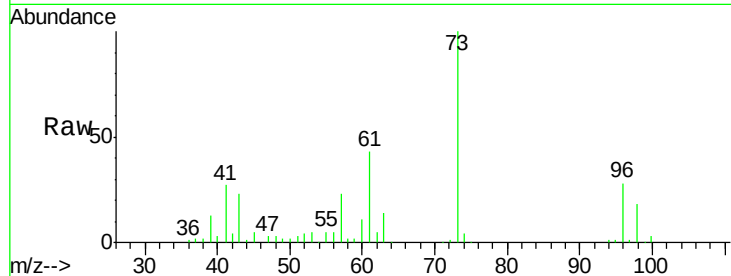
#19
Methyl tert-butyl Ether
Concen: 53.615 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 612484
Ion Ratio Lower Upper
73 100
57 23.5 16.8 25.2

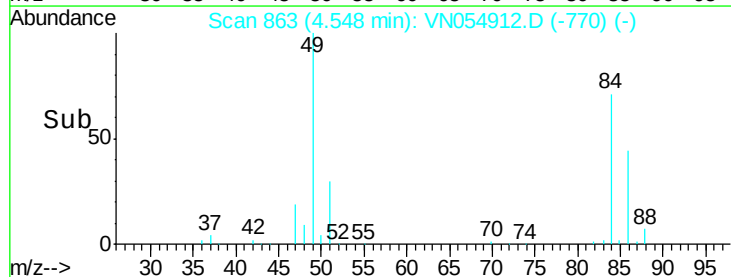
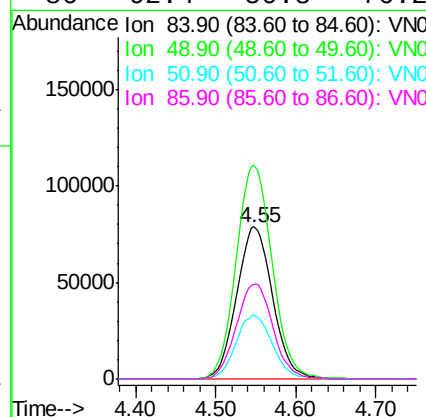
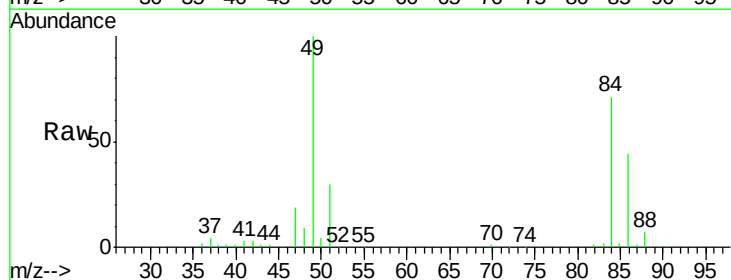
Manual Integrations
APPROVED

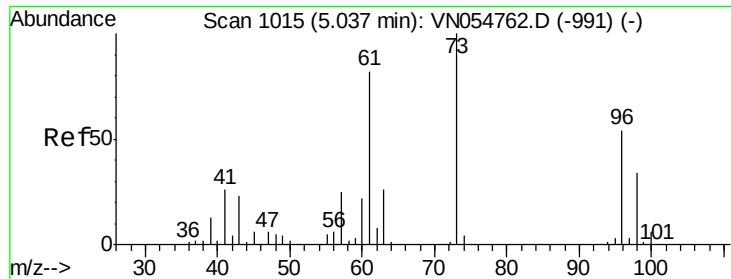
MMDadoda
4/3/2019 10:44:13 AM



#20
Methylene Chloride
Concen: 50.868 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion: 84 Resp: 239637
Ion Ratio Lower Upper
84 100
49 140.3 89.7 134.5#
51 41.8 28.2 42.4
86 62.4 50.8 76.2





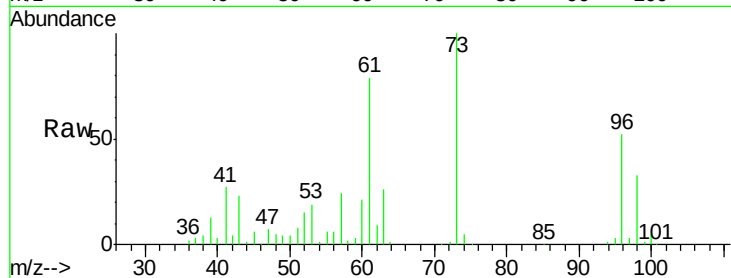
#21
trans-1,2-Dichloroethene
Concen: 51.089 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

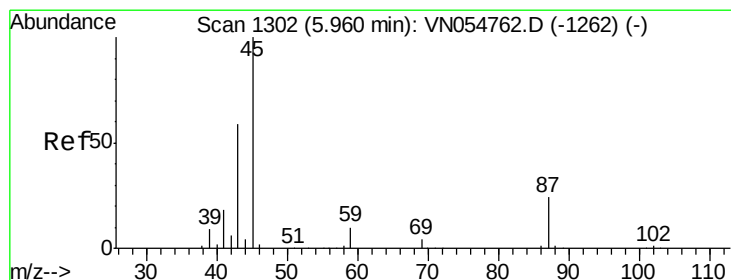
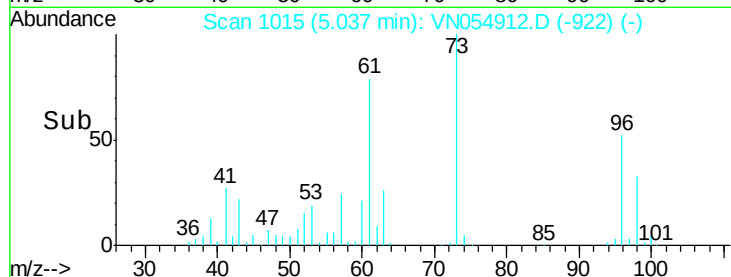
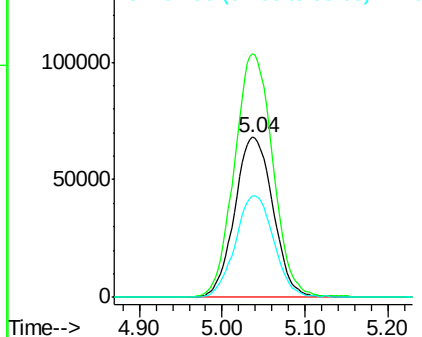
Tot Ion	Ratio	Lower	Upper
96	100		
61	152.2	102.8	154.2
98	63.2	50.0	75.0

Manual Integrations
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MMDadoda
4/3/2019 10:44:13 AM



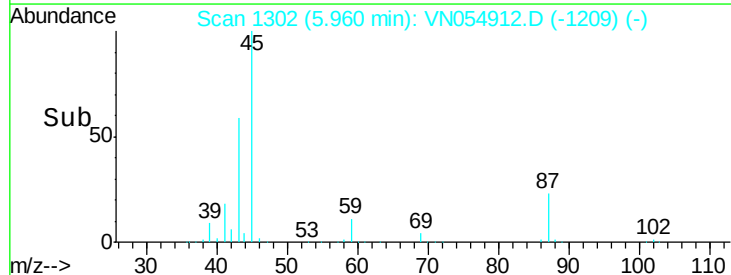
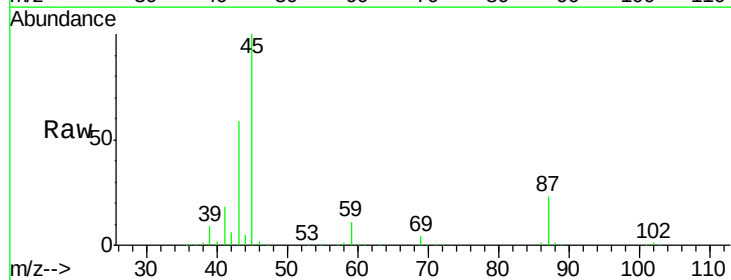
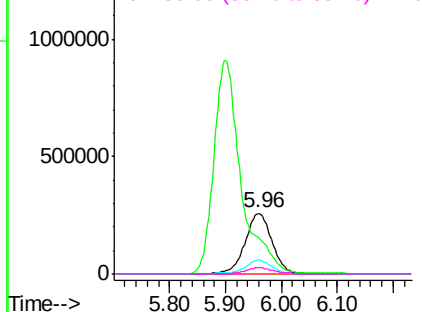
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

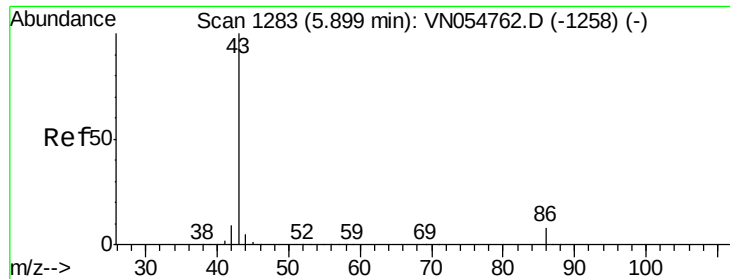


#22
Diisopropyl ether
Concen: 54.719 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.9	48.2	72.2
87	22.7	24.9	37.3
59	10.6	9.5	14.3

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 280.008 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3100184

Ion Ratio Lower Upper

43 100

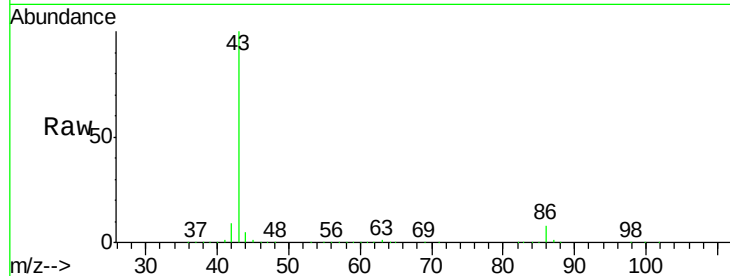
86 8.5 9.1 13.7#

Manual Integrations

APPROVED

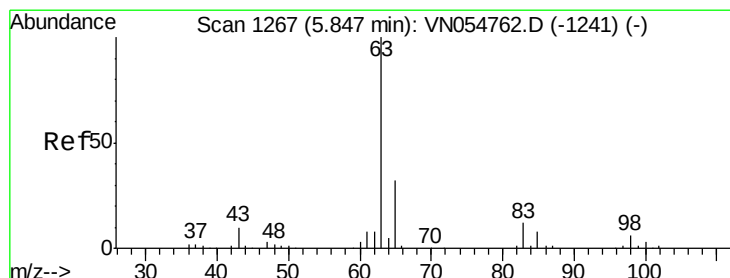
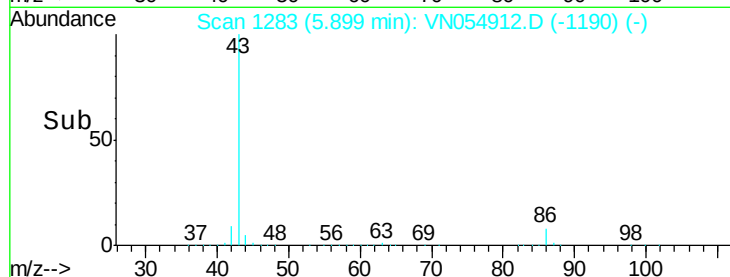
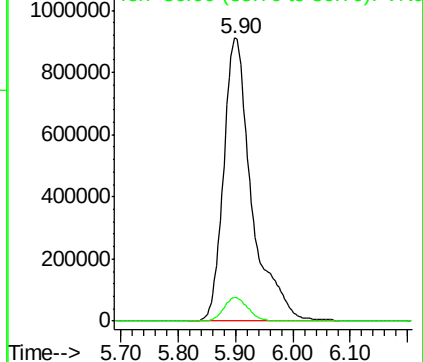
MMDadoda

4/3/2019 10:44:13 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 53.631 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

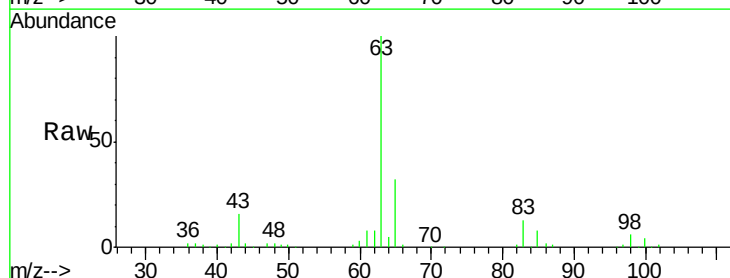
Tgt Ion: 63 Resp: 455164

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

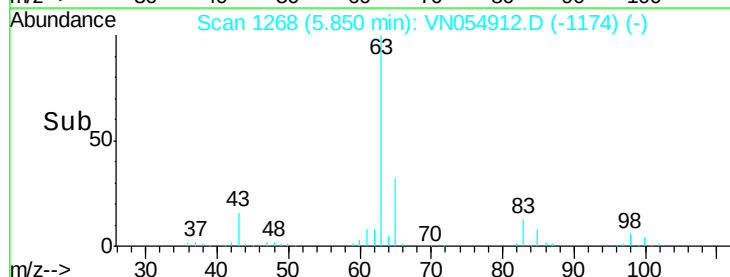
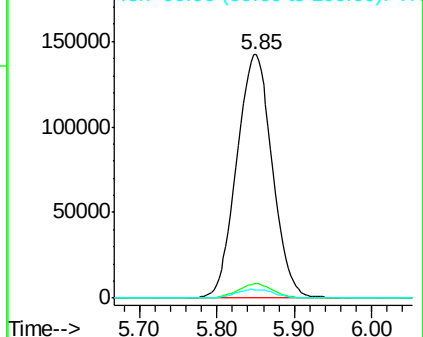
100 3.5 2.0 6.0

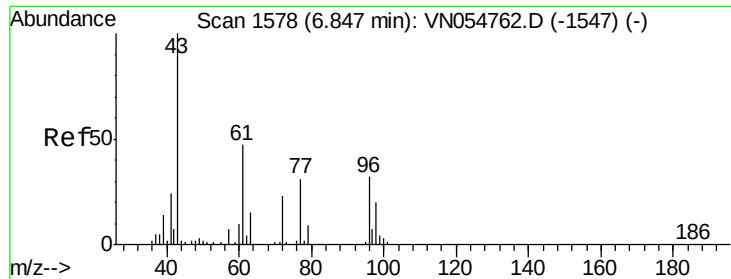


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 273.396 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 539735

Ion Ratio Lower Upper

43 100

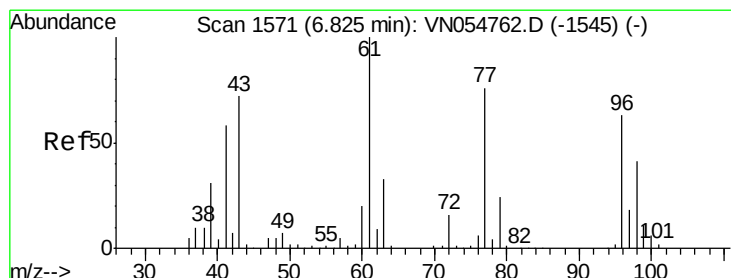
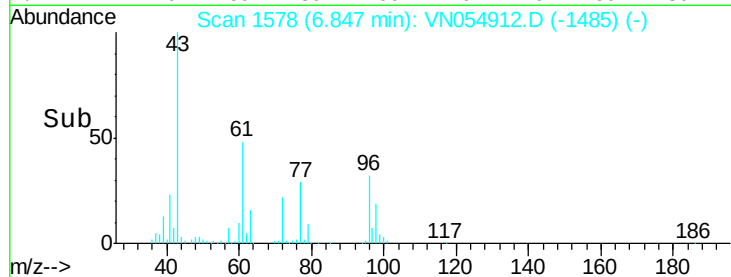
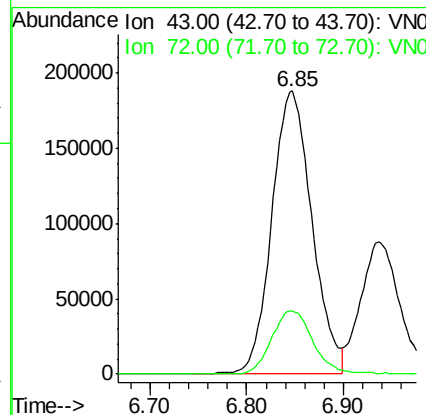
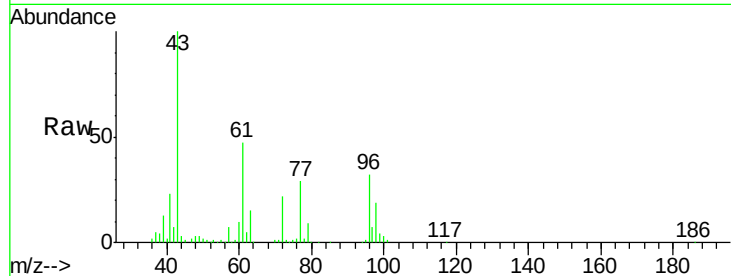
72 22.4 23.0 34.6#

Manual Integrations

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MMDadoda

4/3/2019 10:44:13 AM



#26

2,2-Dichloropropane

Concen: 51.358 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054912.D

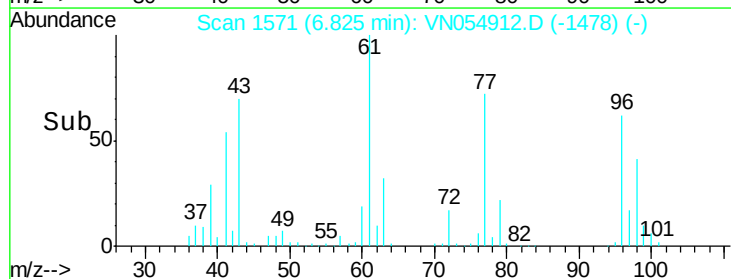
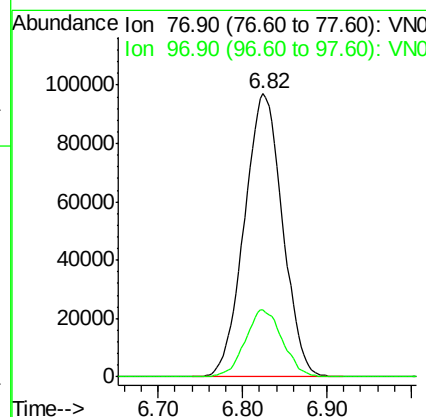
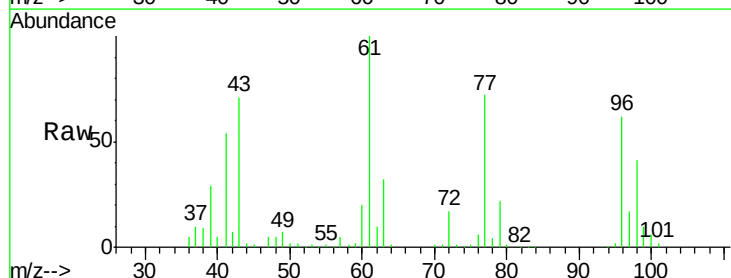
Acq: 2 Apr 2019 19:48

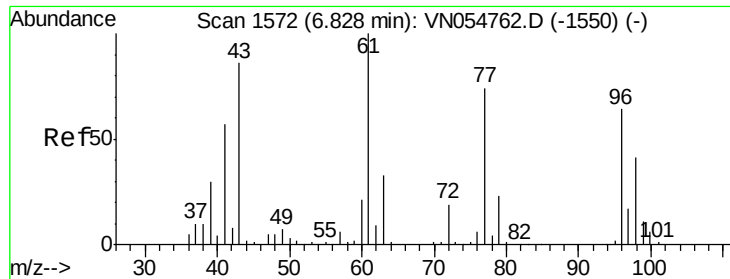
Tgt Ion: 77 Resp: 305498

Ion Ratio Lower Upper

77 100

97 23.0 11.9 35.9





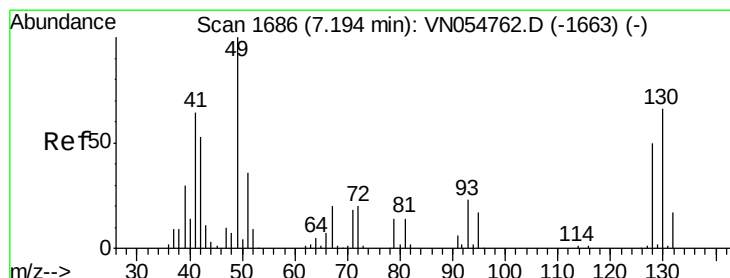
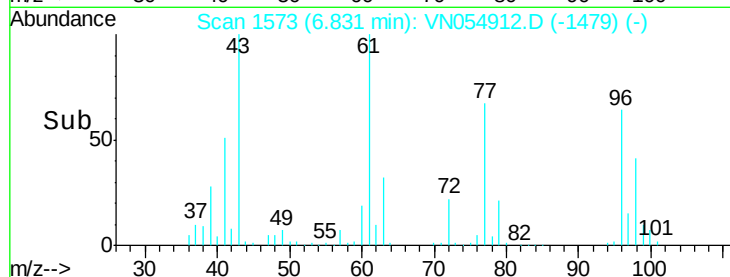
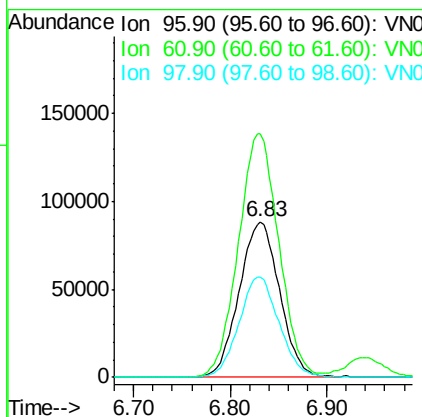
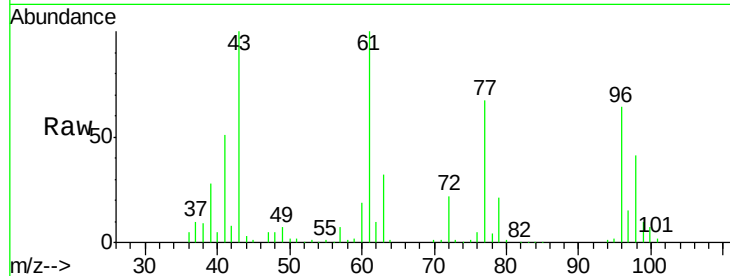
#27
 cis-1,2-Dichloroethene
 Concen: 52.997 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	256817		
61	157.1	0.0	273.0	
98	64.1	0.0	130.6	

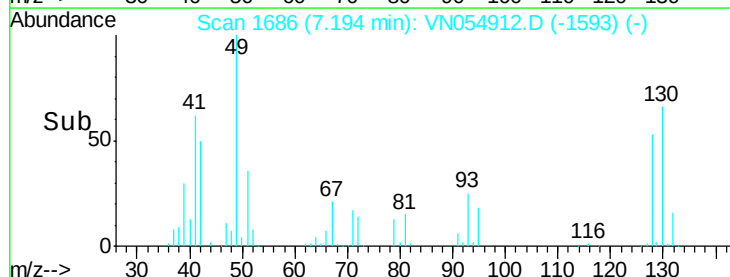
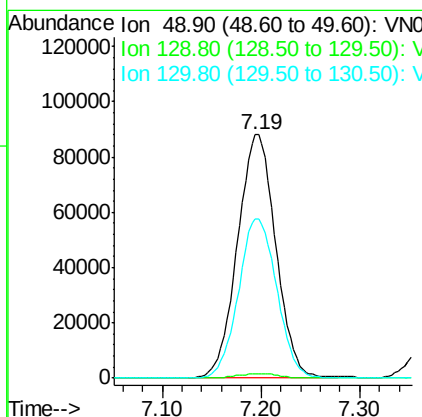
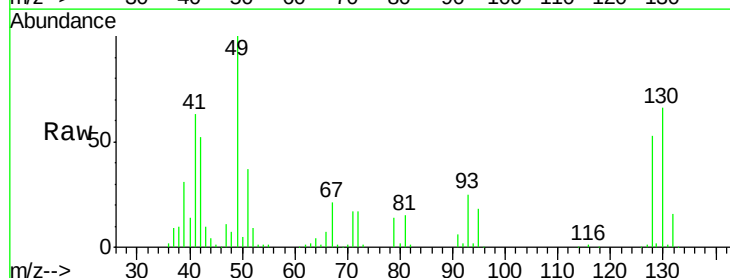
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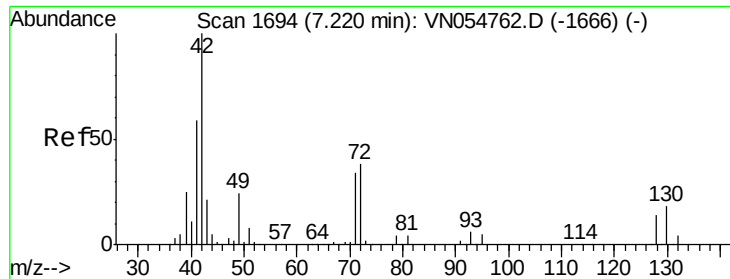
MMDadoda
 4/3/2019 10:44:13 AM



#28
 Bromochloromethane
 Concen: 55.777 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	236707		
129	1.9	0.0	4.6	
130	65.7	76.7	115.1#	





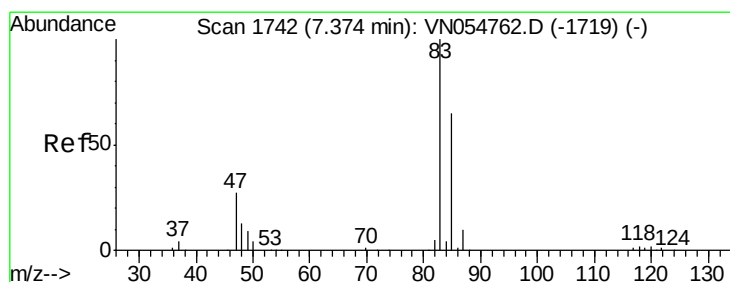
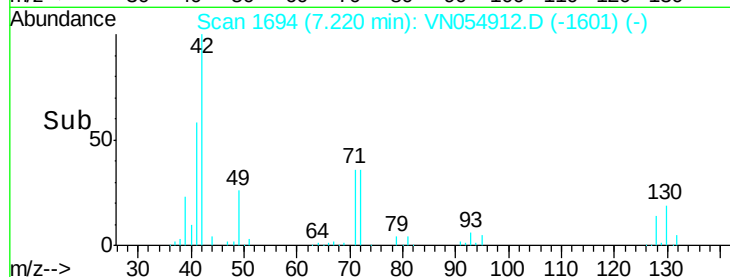
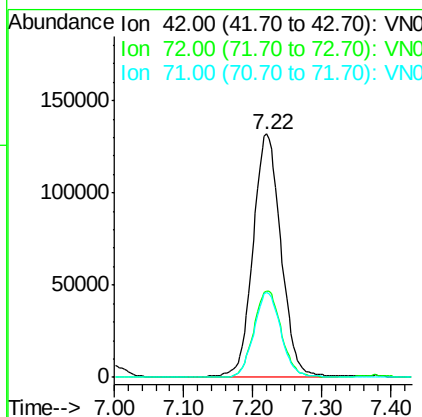
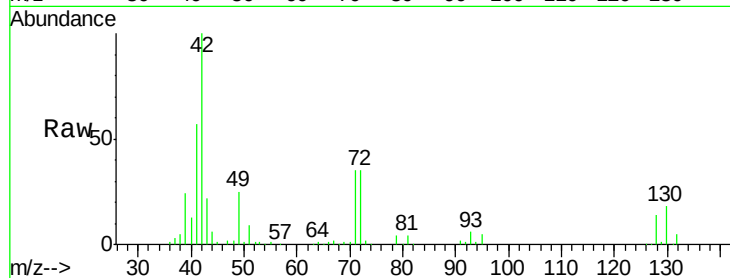
#29
Tetrahydrofuran
Concen: 268.313 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.3	37.8	56.6#
71	33.7	36.2	54.2#

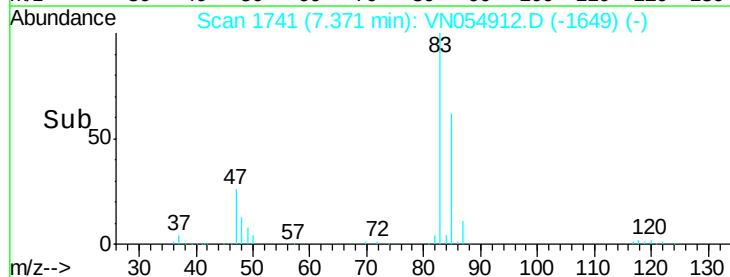
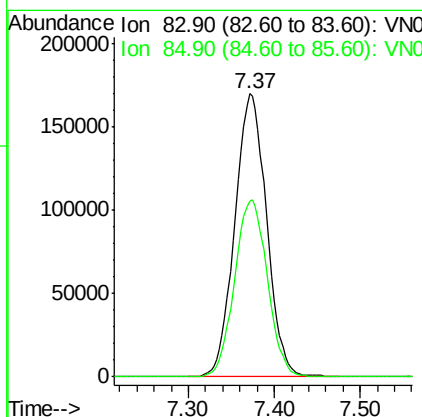
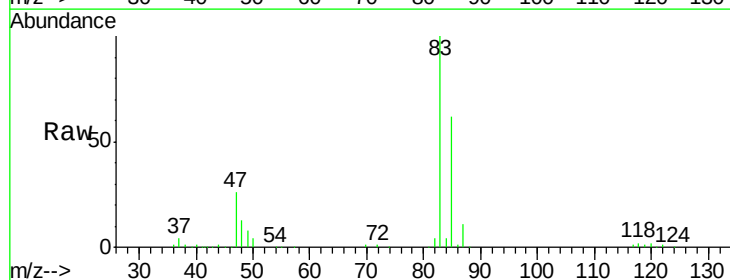
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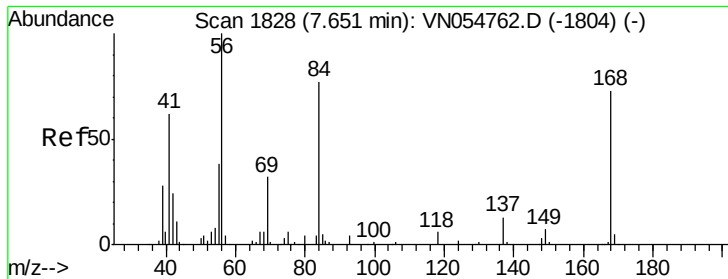
MMDadoda
4/3/2019 10:44:13 AM



#30
Chloroform
Concen: 54.074 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.2	78.4





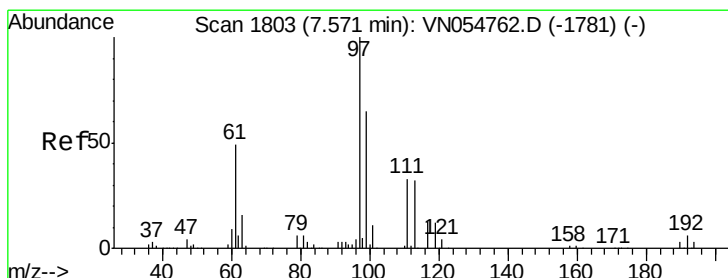
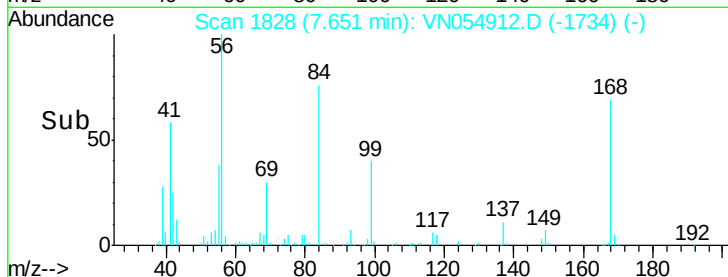
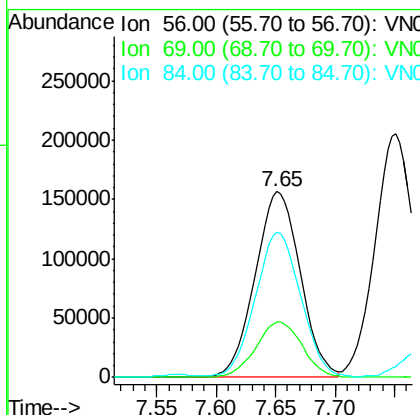
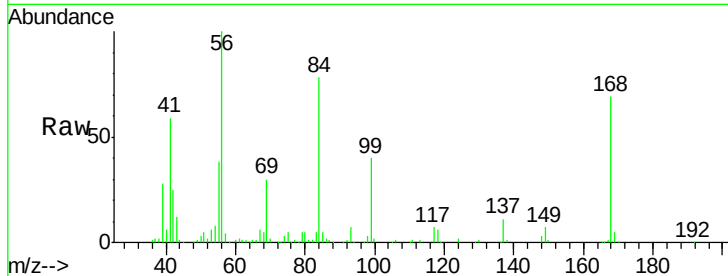
#31
Cyclohexane
Concen: 53.476 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	27.8	41.6
84	76.8	74.6	111.8

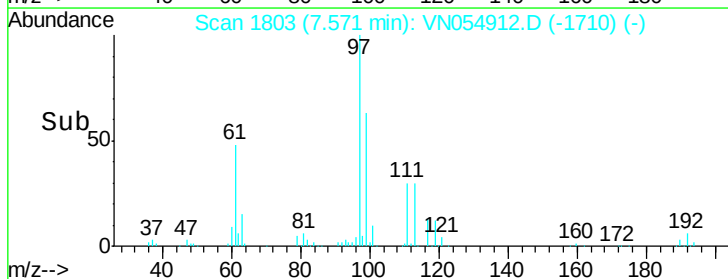
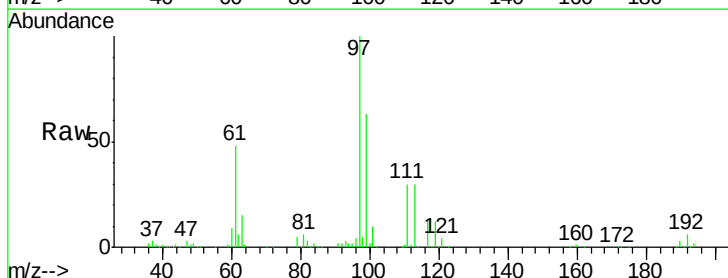
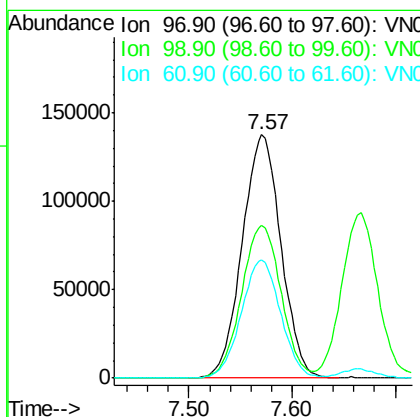
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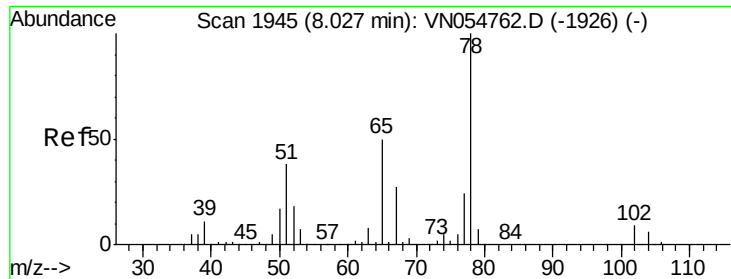
MMDadoda
4/3/2019 10:44:13 AM



#32
1,1,1-Trichloroethane
Concen: 53.653 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	49.2	33.6	50.4





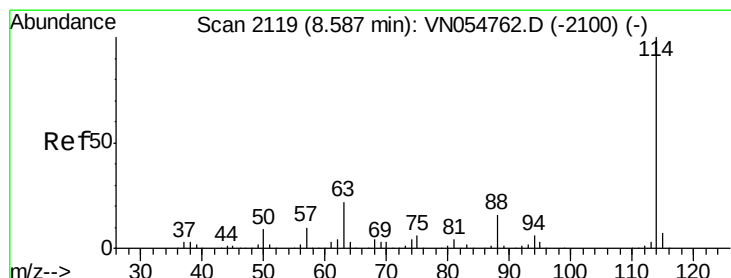
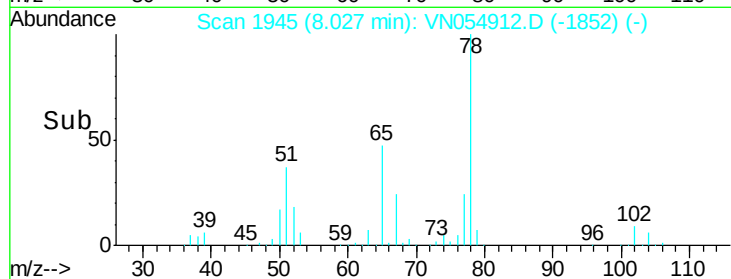
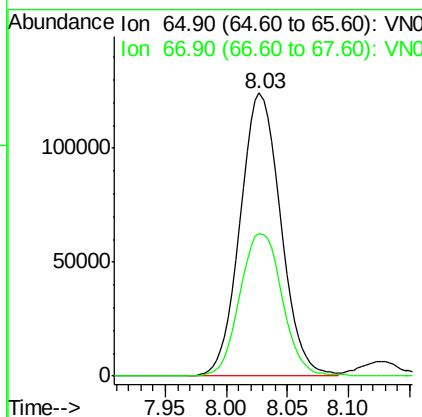
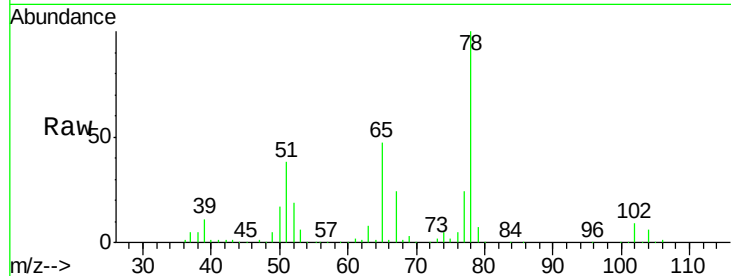
#33
 1,2-Dichloroethane-d4
 Concen: 51.077 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	286061		
67	52.8	0.0	104.6	

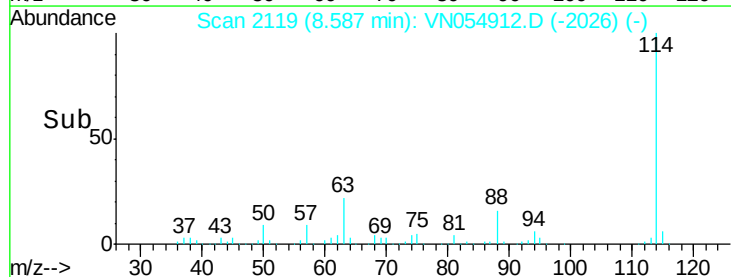
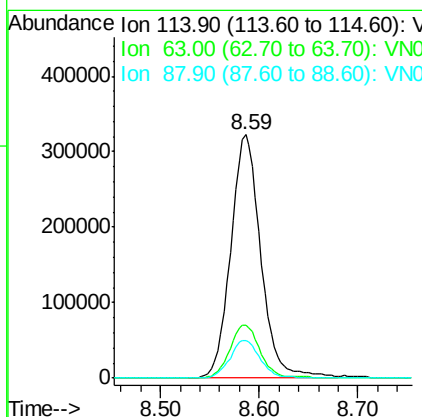
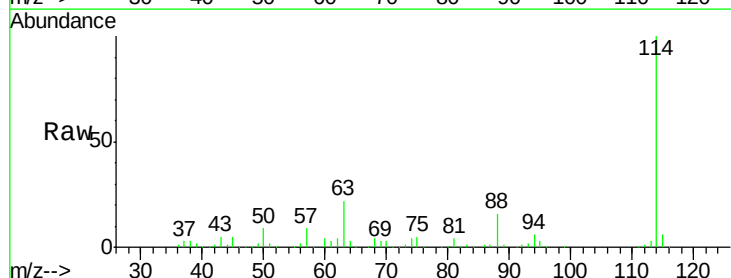
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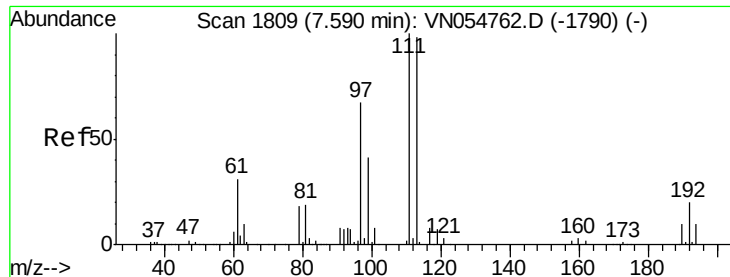
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	684391		
63	21.8	0.0	35.2	
88	15.7	0.0	30.2	





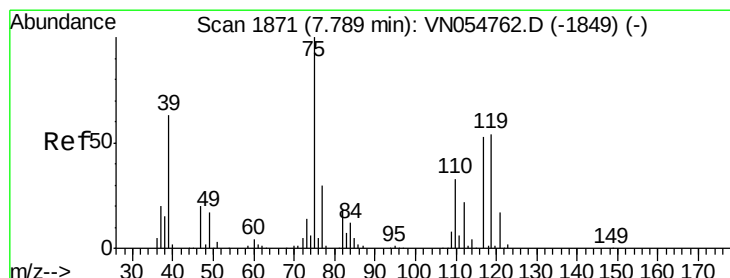
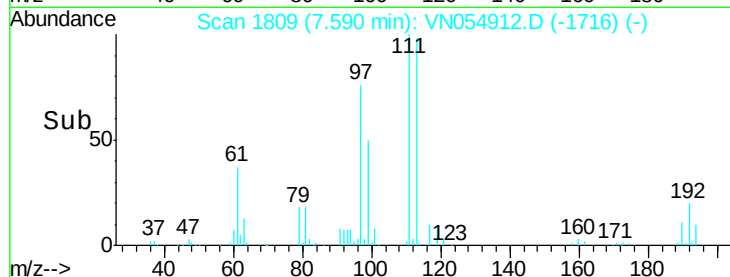
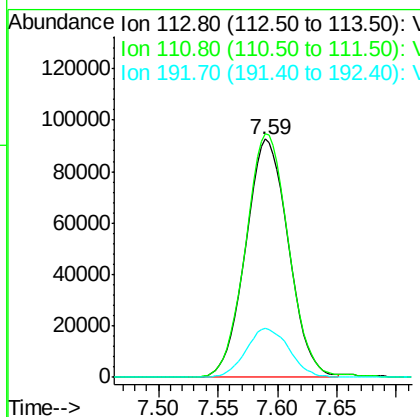
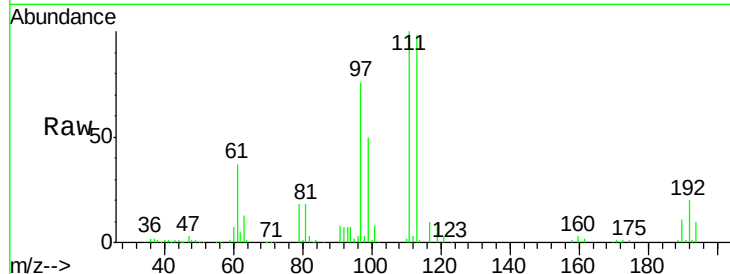
#35
 Dibromofluoromethane
 Concen: 50.586 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	230811		
111	103.0	82.2	123.4	
192	20.8	19.2	28.8	

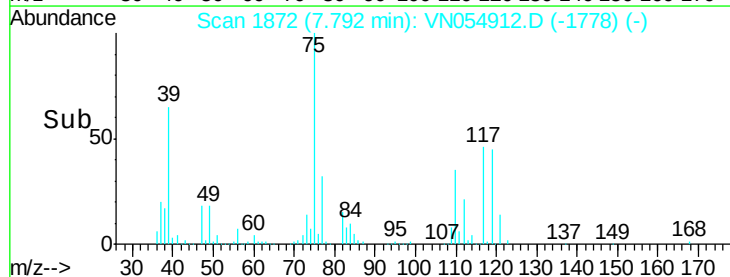
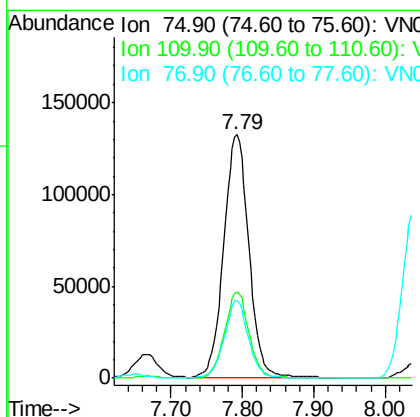
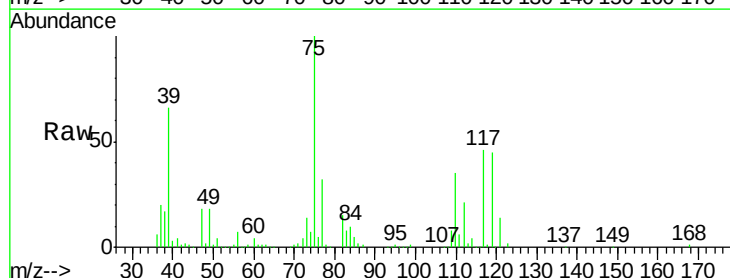
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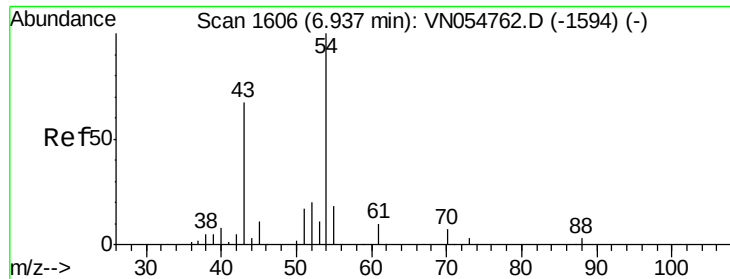
MMDadoda
 4/3/2019 10:44:13 AM



#36
 1,1-Dichloropropene
 Concen: 50.949 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	324912		
110	34.4	19.1	57.5	
77	30.5	25.0	37.4	





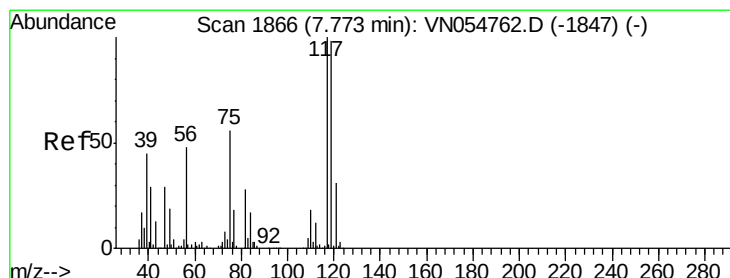
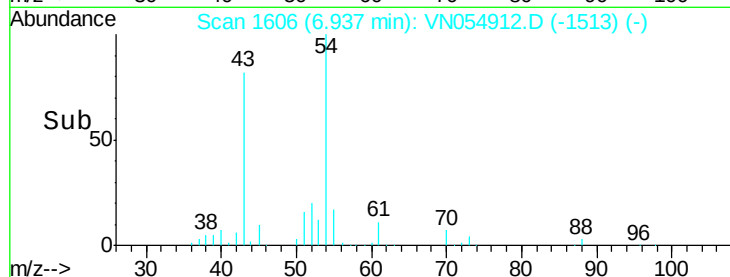
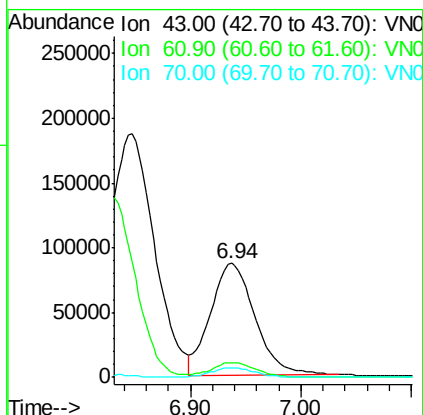
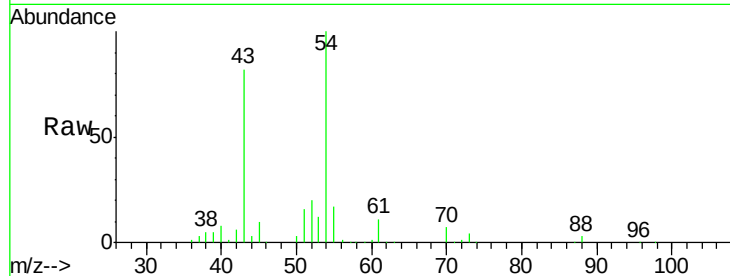
#37
Ethyl Acetate
Concen: 52.114 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.8	17.6
70	8.5	8.4	12.6

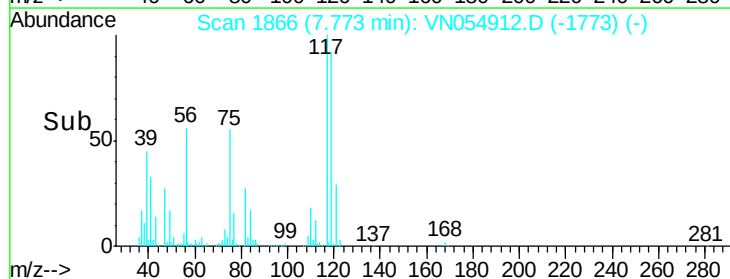
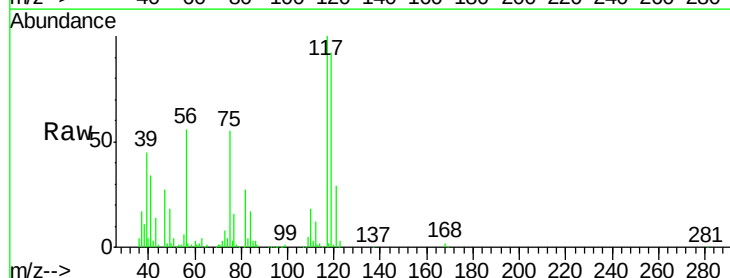
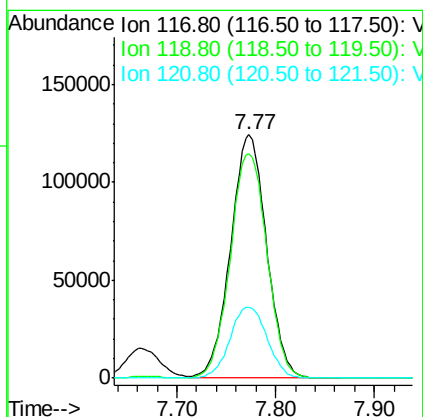
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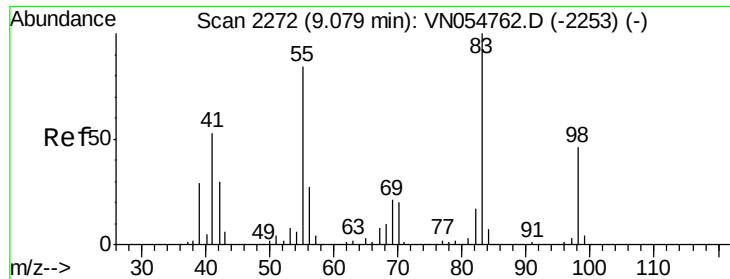
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.806 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	76.3	114.5
121	29.1	24.6	36.8





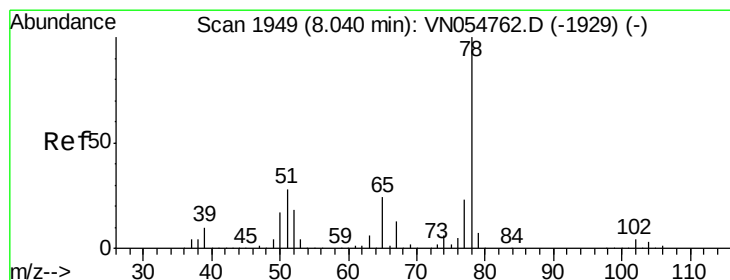
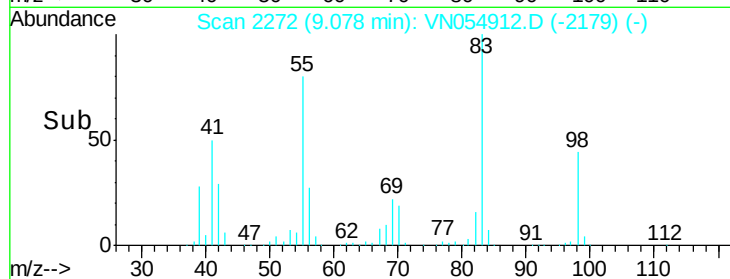
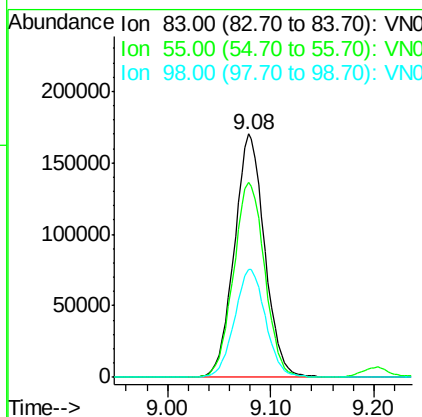
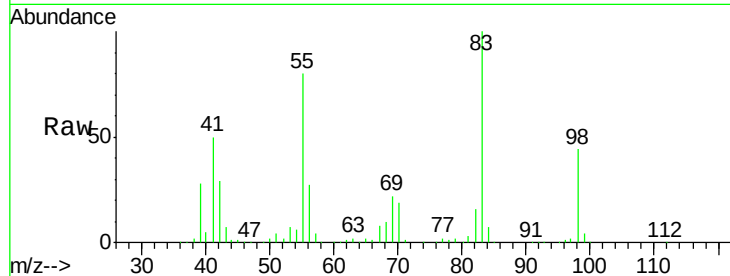
#39
Methylvlcyclohexane
Concen: 49.728 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	348645
Ion Ratio	100	Lower	Upper
83	100		
55	80.3	56.6	84.8
98	44.3	38.4	57.6

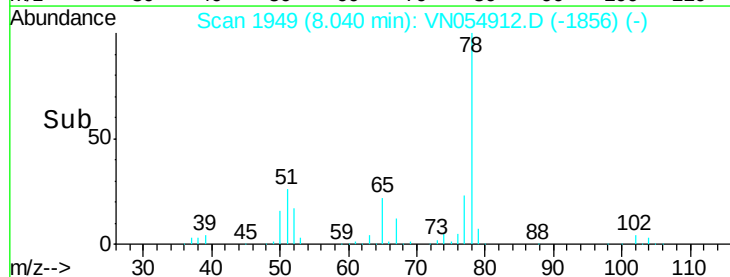
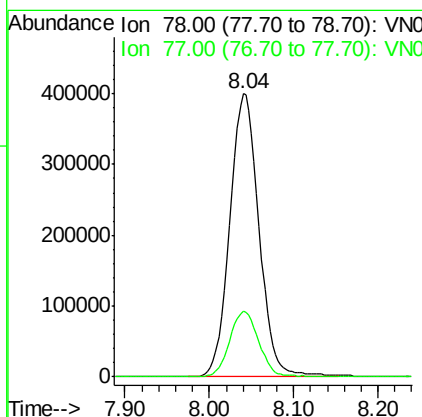
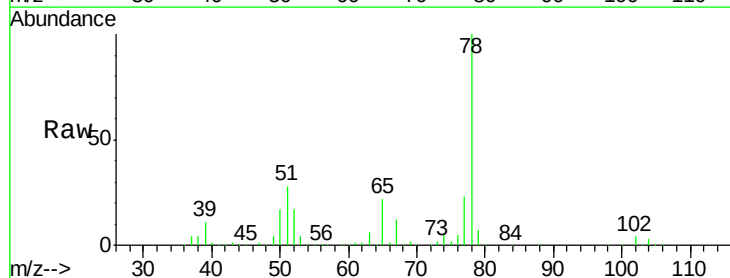
Manual Integrations
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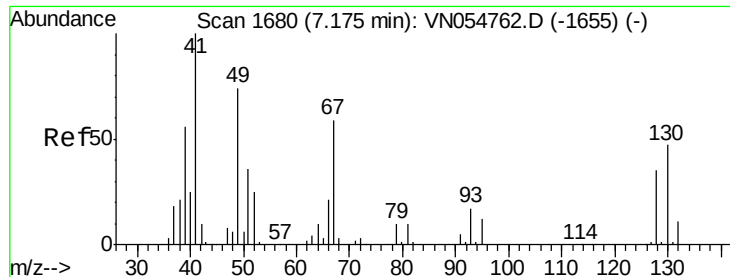
MMDadoda
4/3/2019 10:44:13 AM



#40
Benzene
Concen: 52.851 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion	78	Resp	964403
Ion Ratio	100	Lower	Upper
78	100		
77	23.1	19.1	28.7





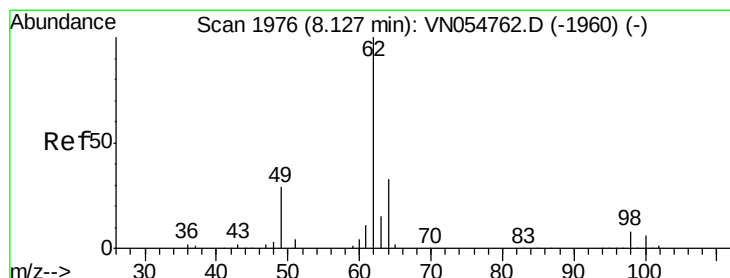
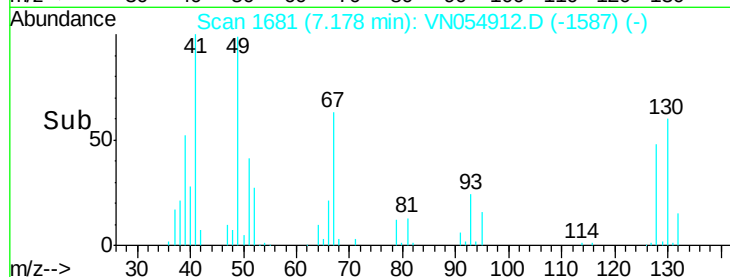
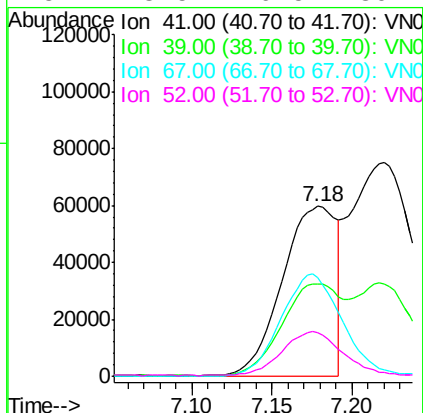
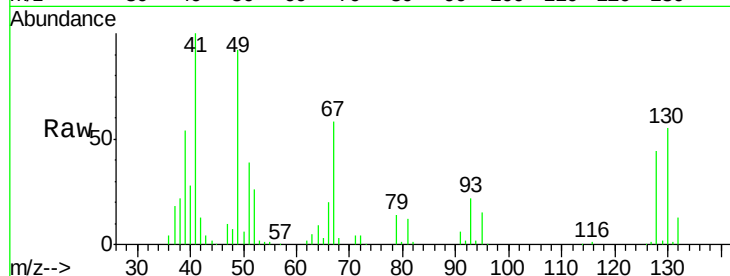
#41
Methacrylonitrile
Concen: 53.770 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	141258
Ion Ratio	Lower	Upper	
41	100		
39	61.1	46.8	70.2
67	68.1	67.0	100.4
52	28.5	26.5	39.7

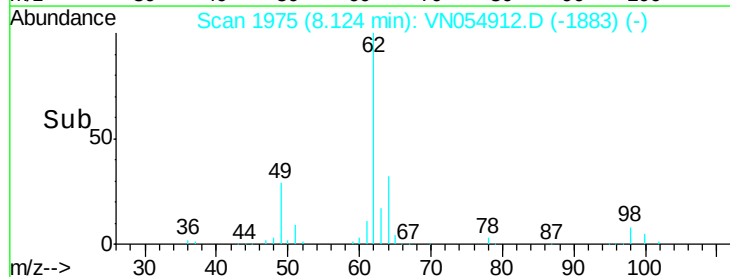
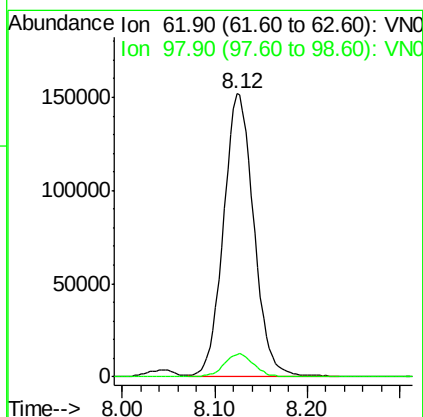
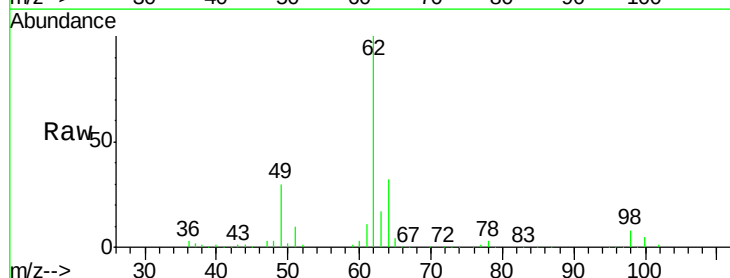
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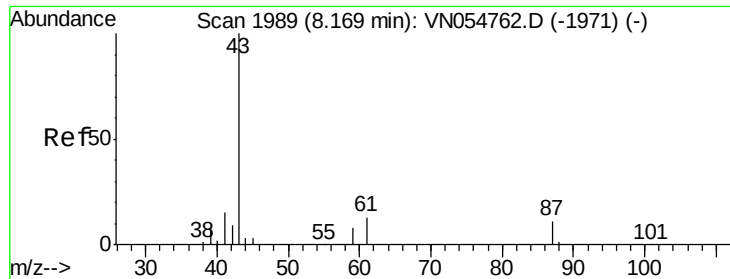
MMDadoda
4/3/2019 10:44:13 AM



#42
1,2-Dichloroethane
Concen: 52.518 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion	62	Resp	342179
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	18.4





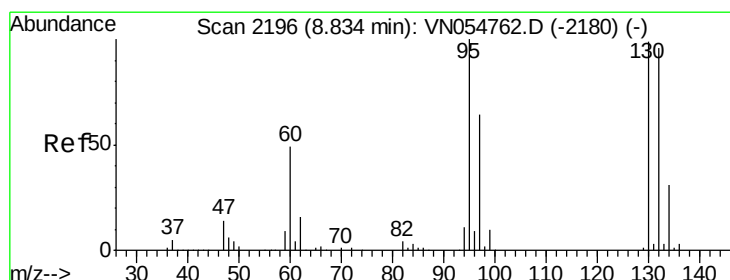
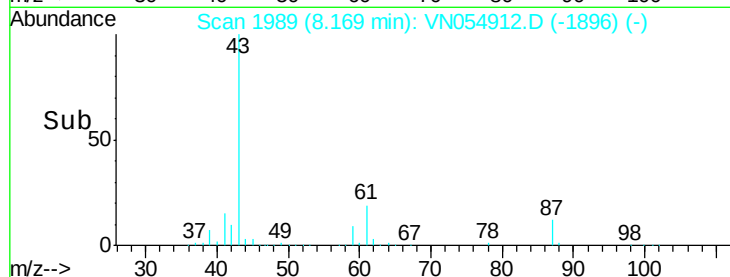
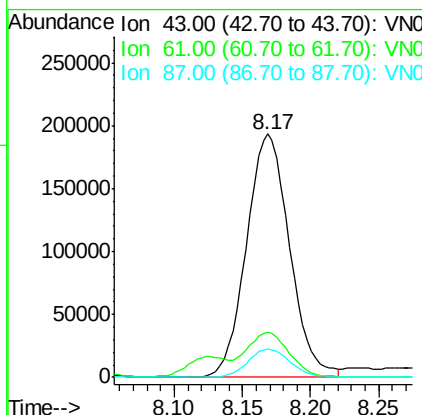
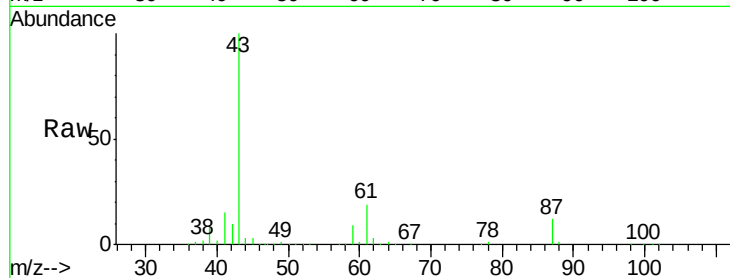
#43
Isopropyl Acetate
Concen: 55.504 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.8	23.8
87	11.6	12.0	18.0#

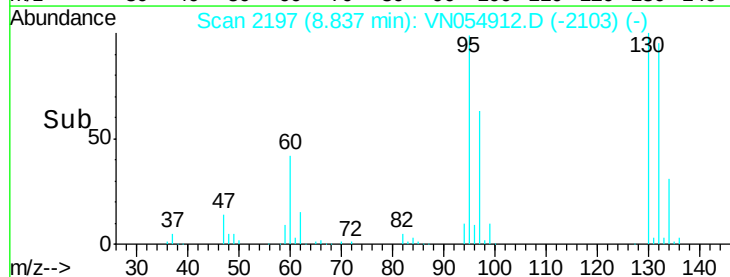
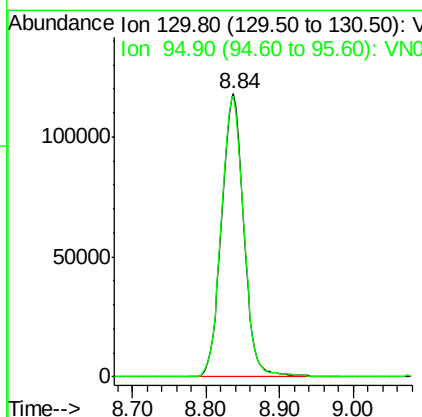
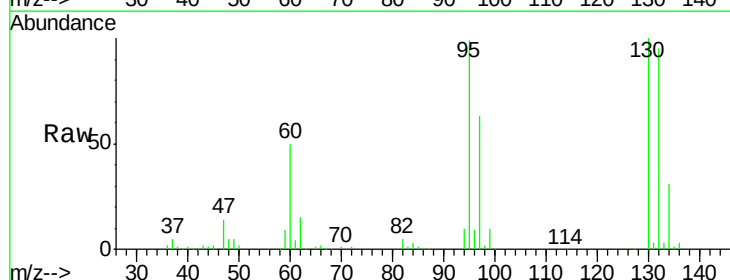
Manual Integrations
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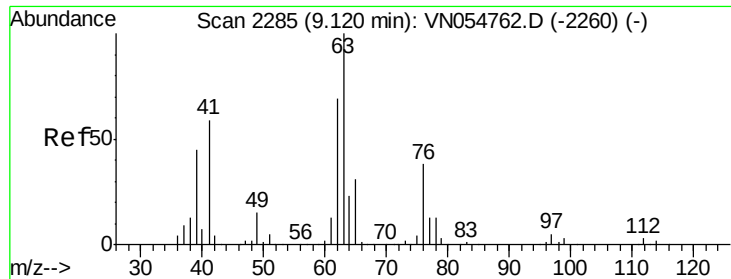
MMDadoda
4/3/2019 10:44:13 AM



#44
Trichloroethene
Concen: 52.176 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	185.2





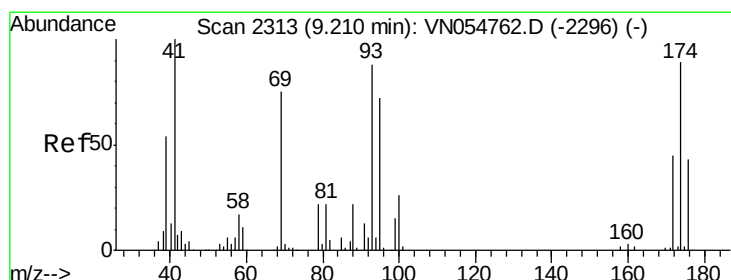
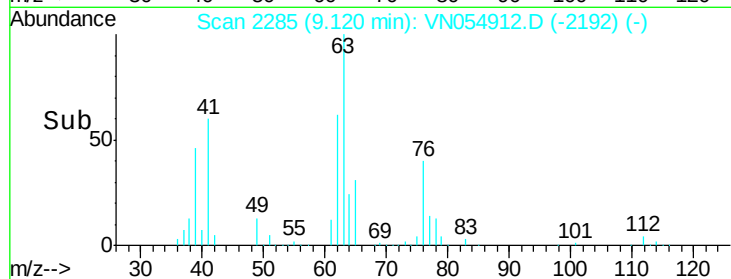
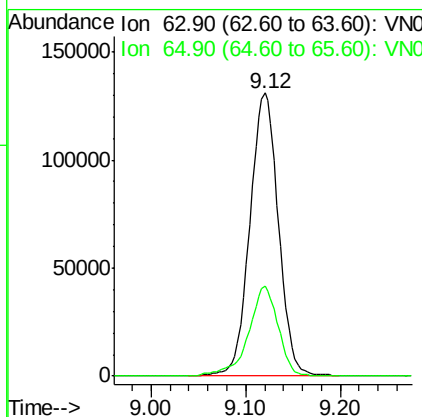
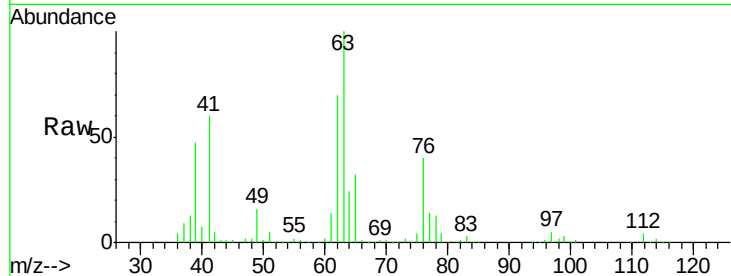
#45
 1,2-Dichloropropane
 Concen: 52.814 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 274797
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6

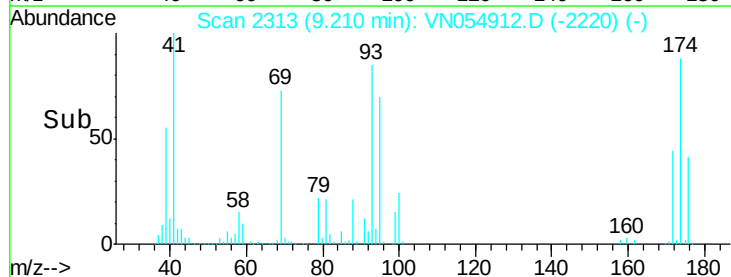
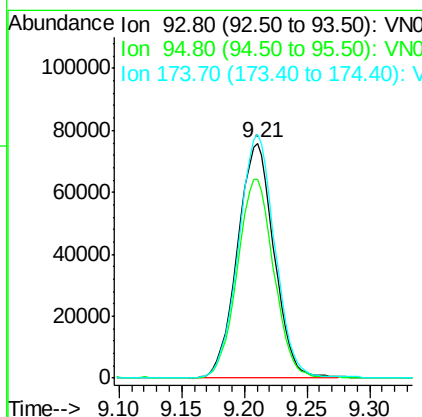
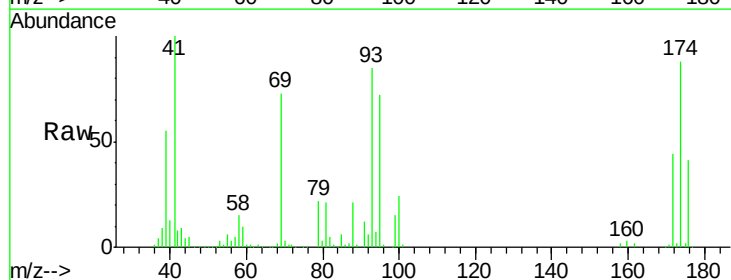
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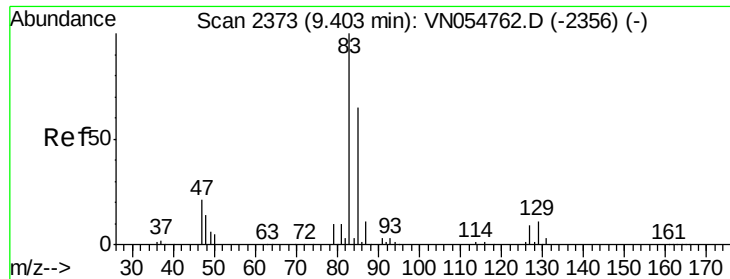
MMDadoda
 4/3/2019 10:44:13 AM



#46
 Dibromomethane
 Concen: 52.576 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Tgt Ion: 93 Resp: 153888
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.7 100.1
 174 103.7 98.5 147.7





#47

Bromodichloromethane

Concen: 54.553 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

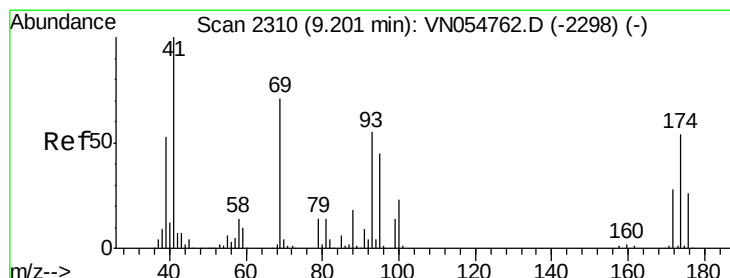
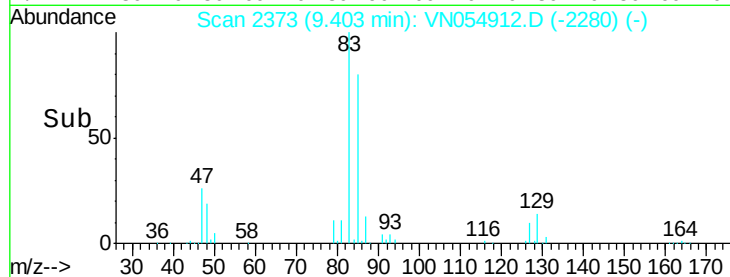
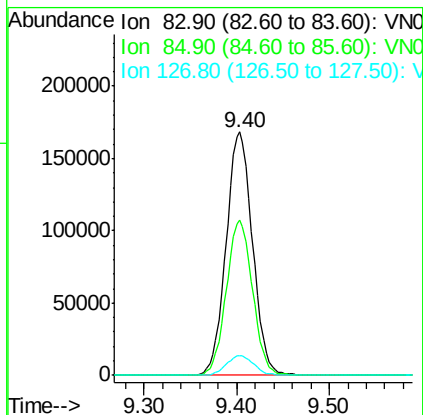
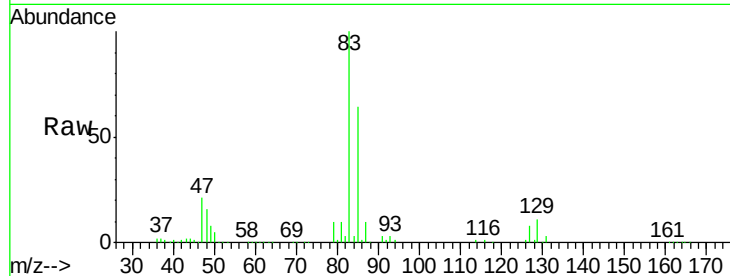
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	331853
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.8	79.2
127	8.3	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.914 ug/l

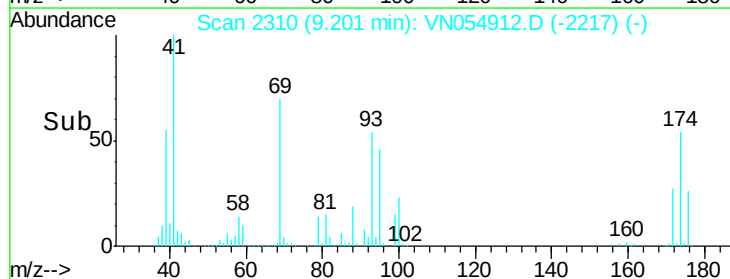
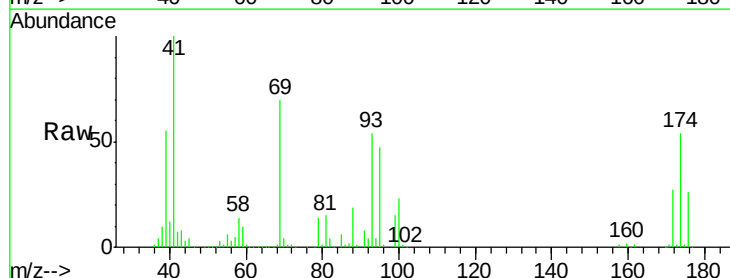
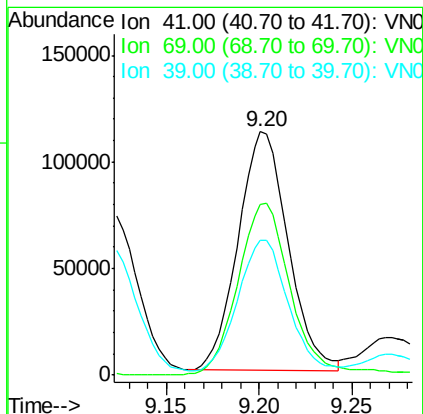
RT: 9.20 min Scan# 2310

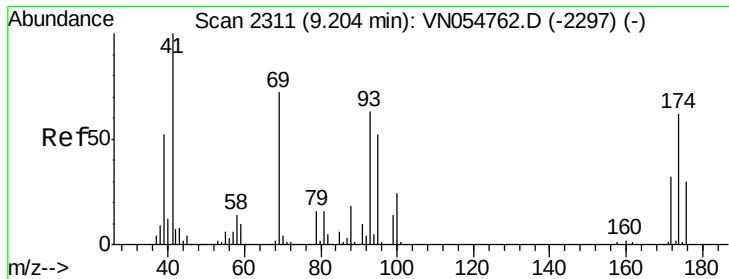
Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Tgt Ion:	41	Resp:	209720
Ion	Ratio	Lower	Upper
41	100		
69	76.2	72.6	108.8
39	58.0	47.5	71.3





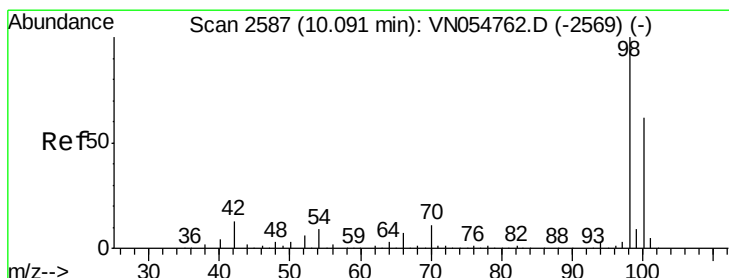
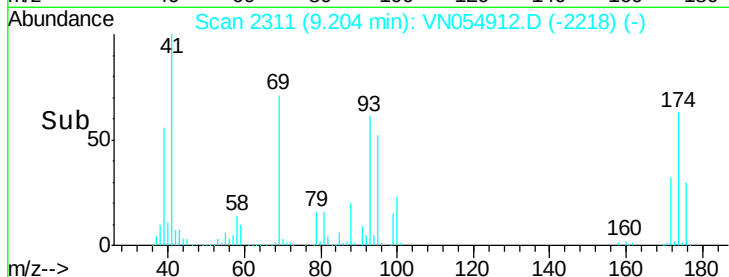
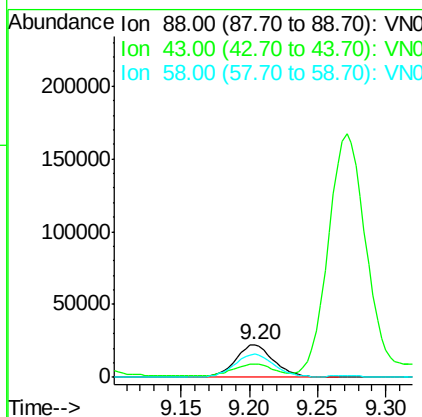
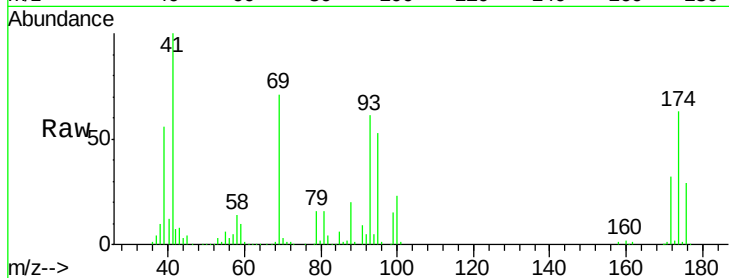
#49
1,4-Dioxane
Concen: 1074.782 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	43927
Ion	Ratio	Lower	Upper
88	100		
43	36.7	24.1	36.1#
58	74.7	50.8	76.2

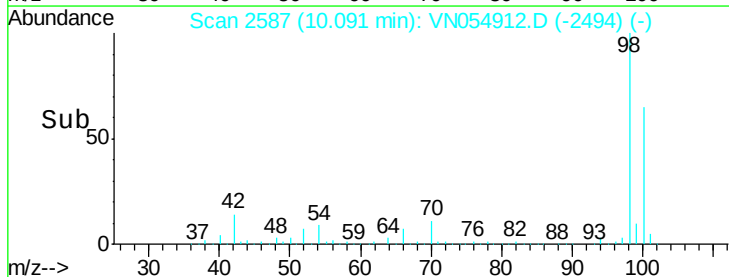
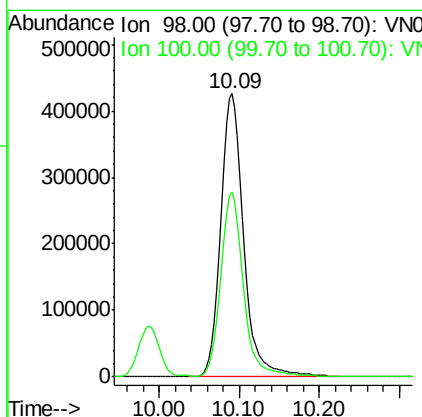
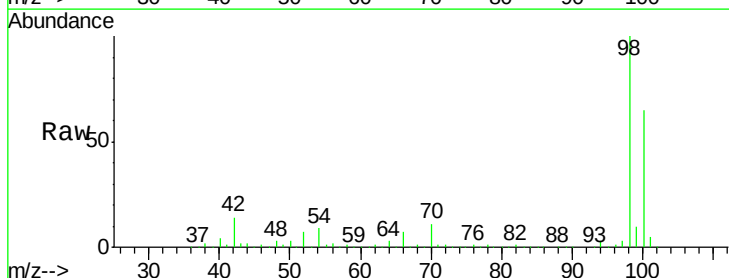
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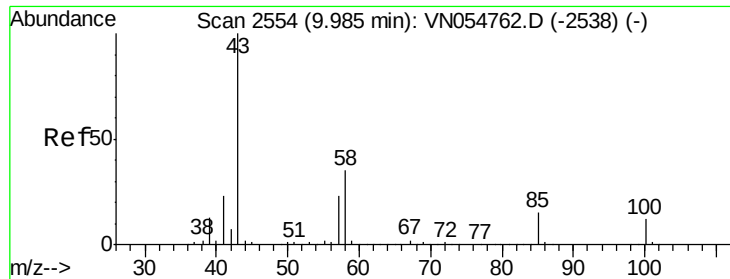
MMDadoda
4/3/2019 10:44:13 AM



#50
Toluene-d8
Concen: 50.105 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion	98	Resp	849953
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 280.729 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1199331

Ion Ratio Lower Upper

43 100

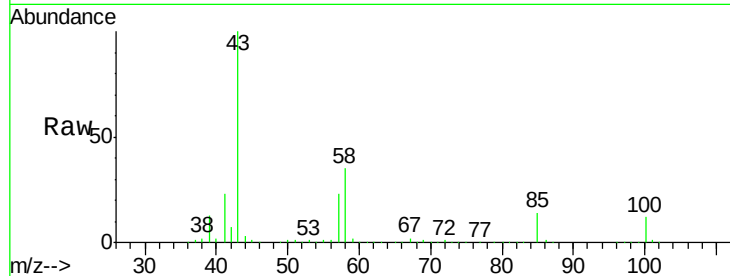
58 35.0 31.8 47.6

Manual Integrations

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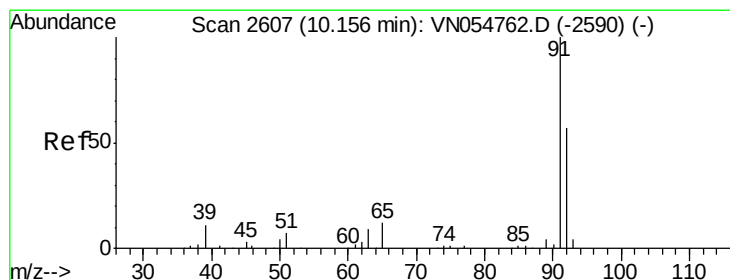
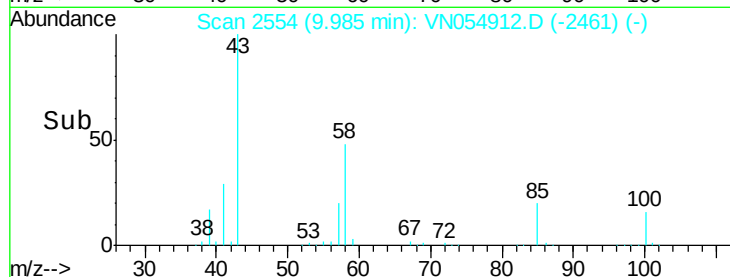
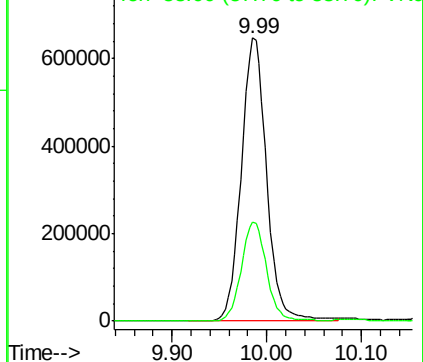
MMDadoda

4/3/2019 10:44:13 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.814 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054912.D

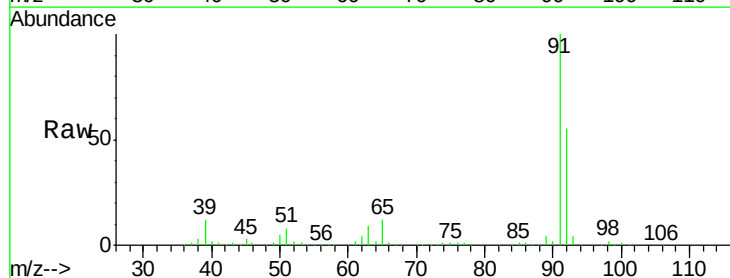
Acq: 2 Apr 2019 19:48

Tgt Ion: 92 Resp: 573460

Ion Ratio Lower Upper

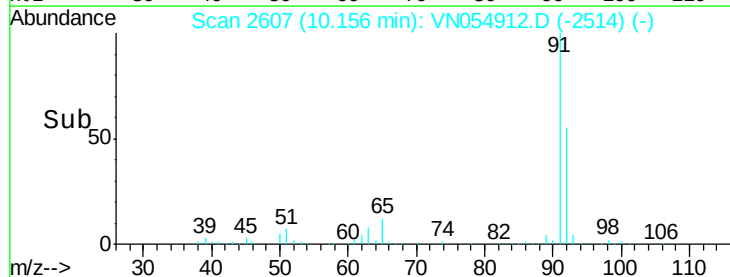
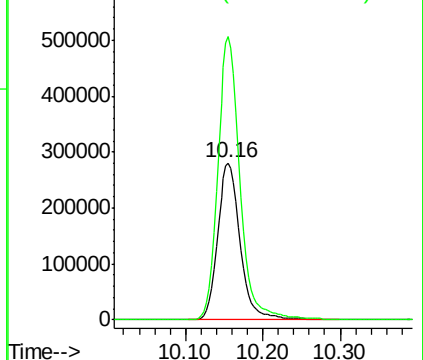
92 100

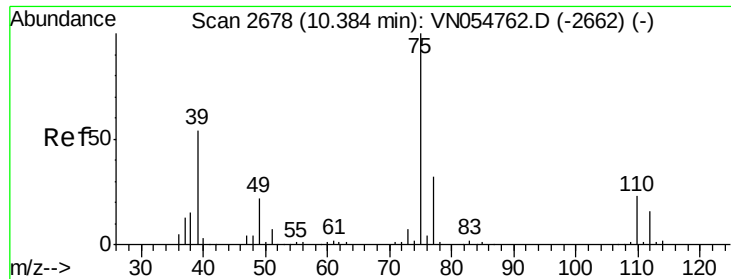
91 177.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





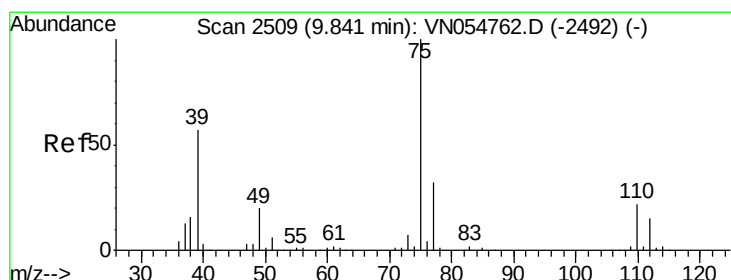
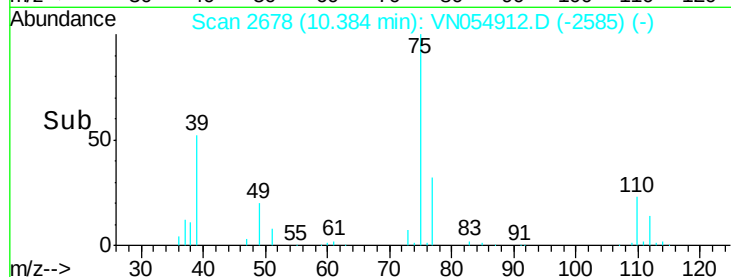
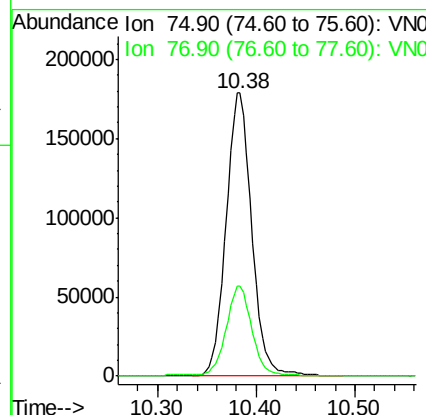
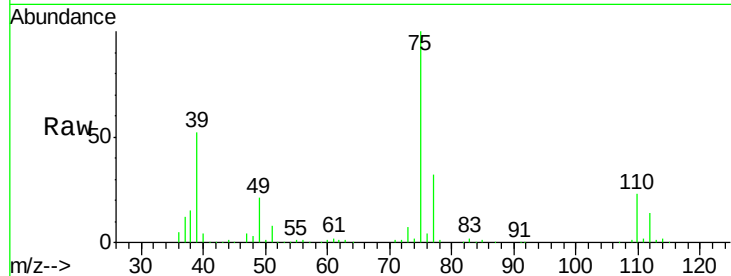
#53
t-1,3-Dichloropropene
Concen: 57.098 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 326724
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8

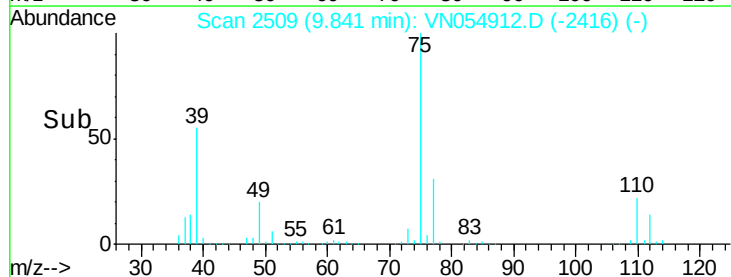
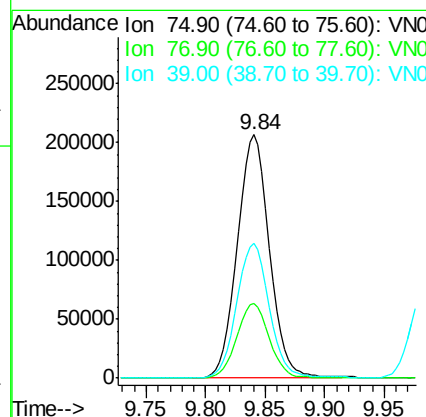
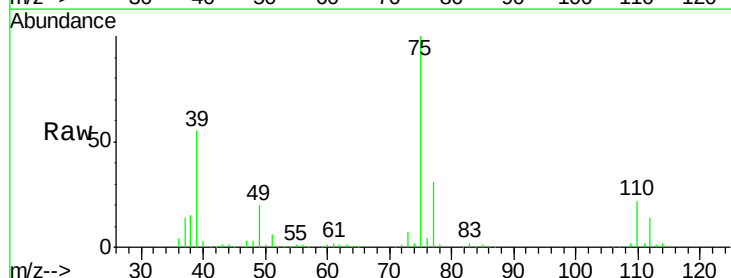
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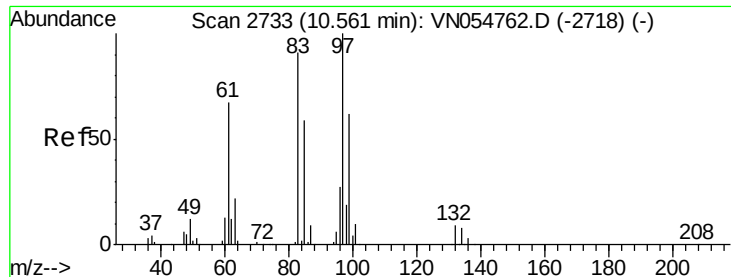
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 56.660 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion: 75 Resp: 387296
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.0
39 55.0 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 52.831 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

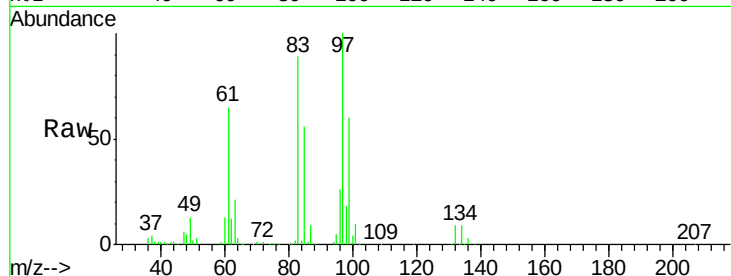
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	213301
Ion	Ratio	Lower	Upper
97	100		
83	89.5	66.6	100.0
85	56.4	44.4	66.6
99	59.8	50.8	76.2

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4/3/2019 10:44:13 AM

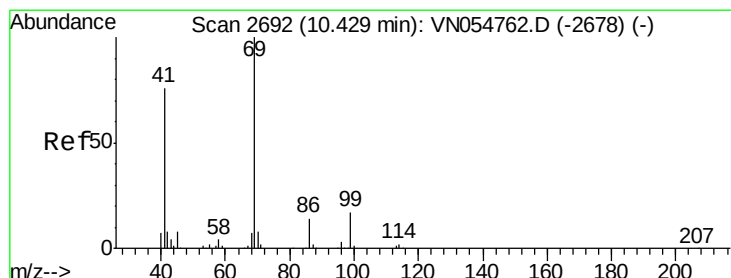
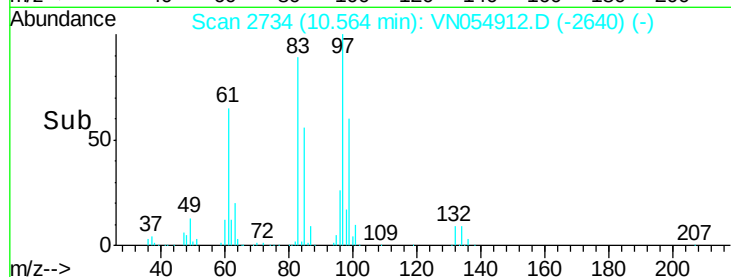
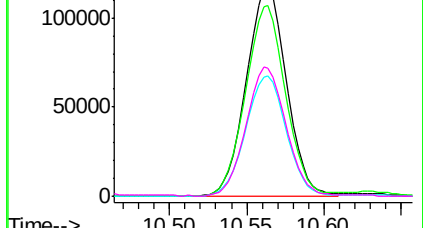


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 56.271 ug/l

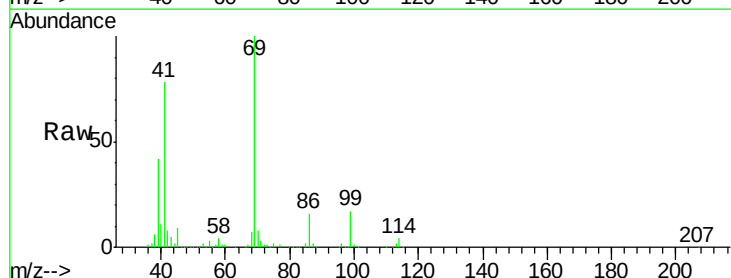
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

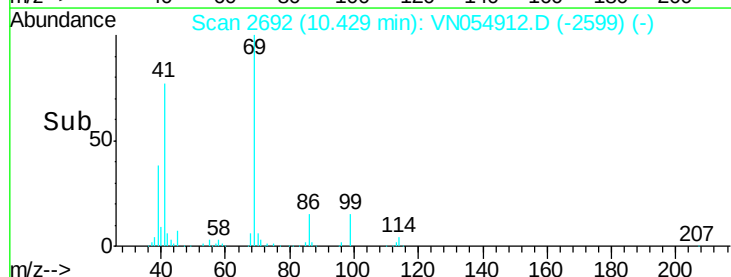
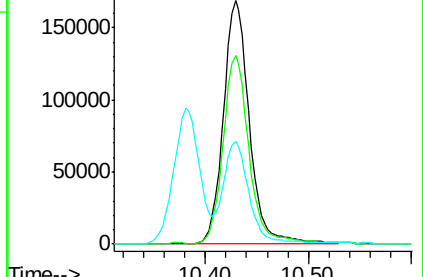
Tgt Ion:	69	Resp:	298025
Ion	Ratio	Lower	Upper
69	100		
41	76.1	49.4	74.2#
39	41.6	28.3	42.5

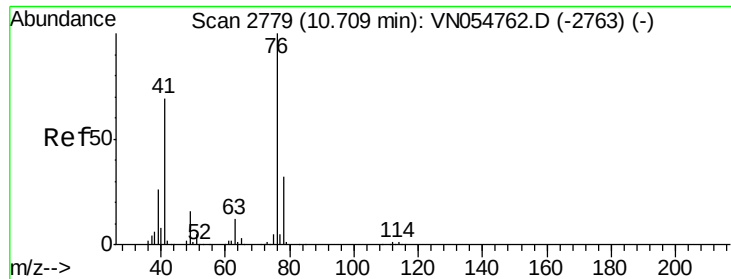


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





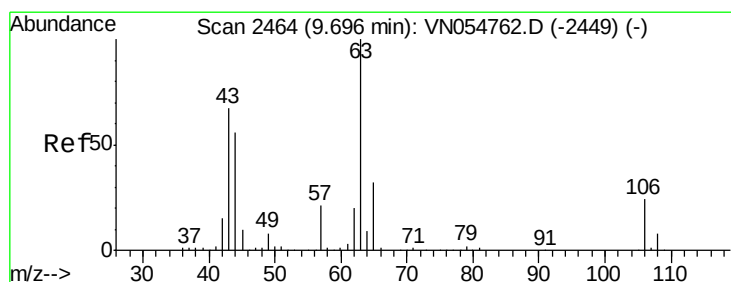
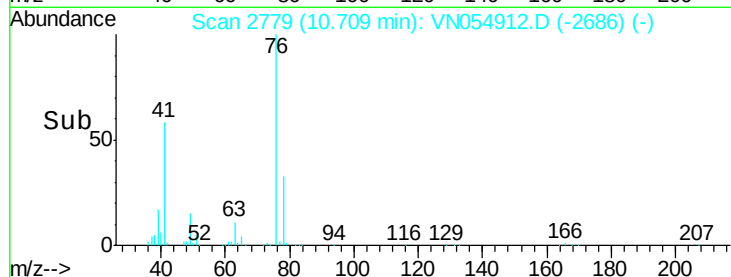
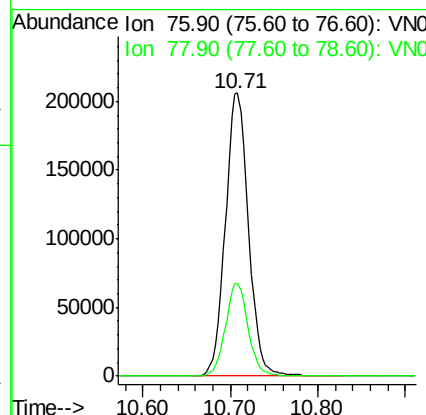
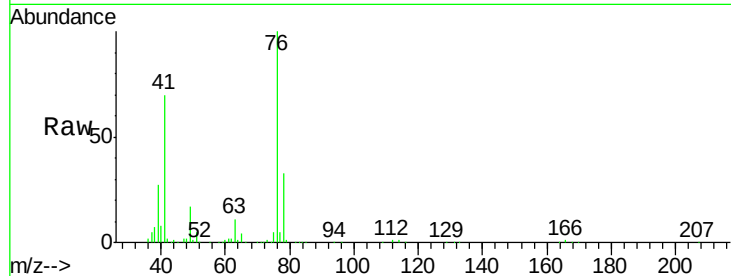
#57
 1,3-Dichloropropane
 Concen: 54.424 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 377767
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

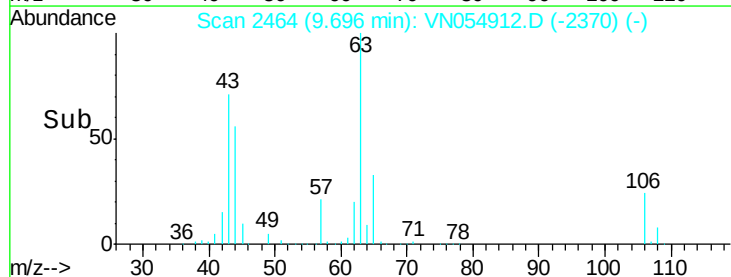
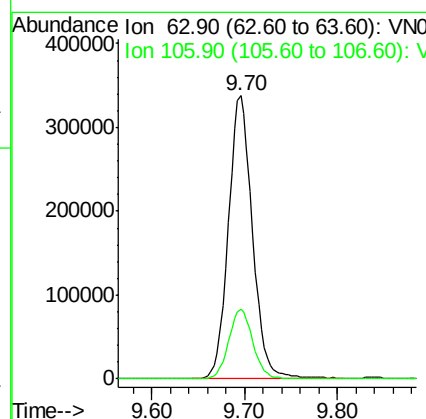
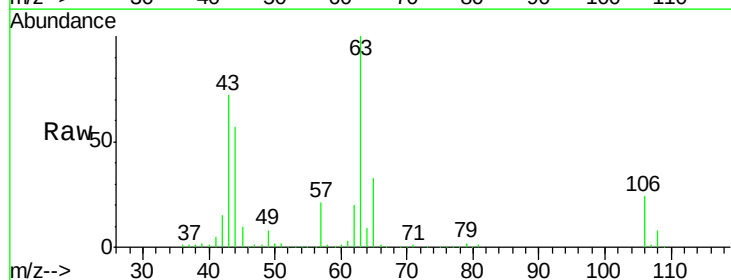
Manual Integrations
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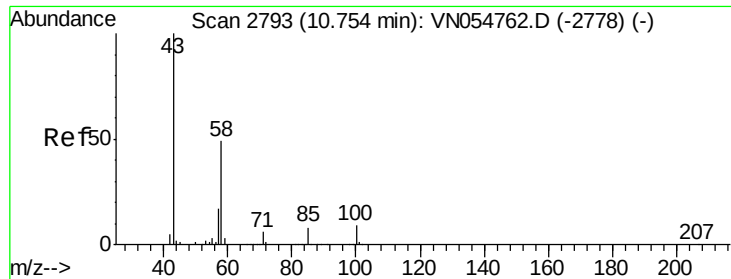
MMDadoda
 4/3/2019 10:44:13 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.127 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Tgt Ion: 63 Resp: 608736
 Ion Ratio Lower Upper
 63 100
 106 24.7 24.4 36.6





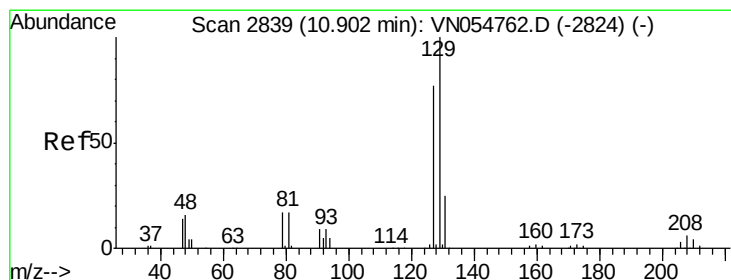
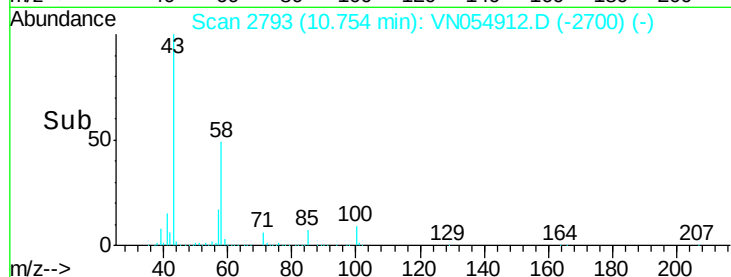
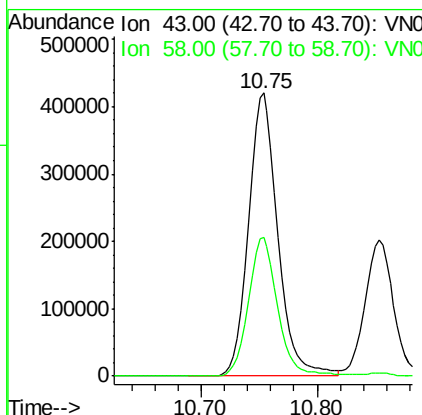
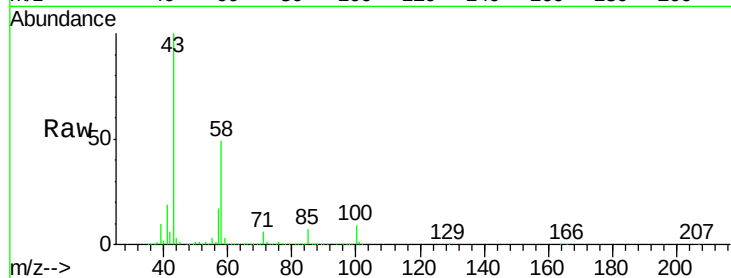
#59
2-Hexanone
Concen: 269.803 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 737884
Ion Ratio Lower Upper
43 100
58 49.1 28.0 83.9

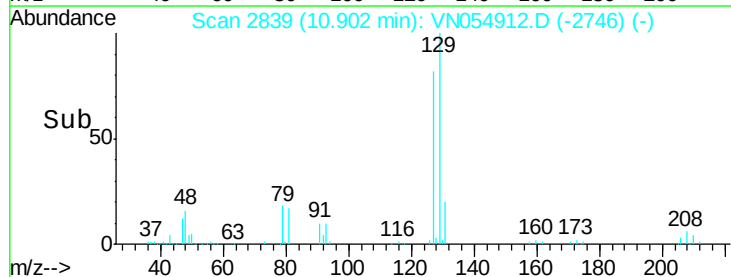
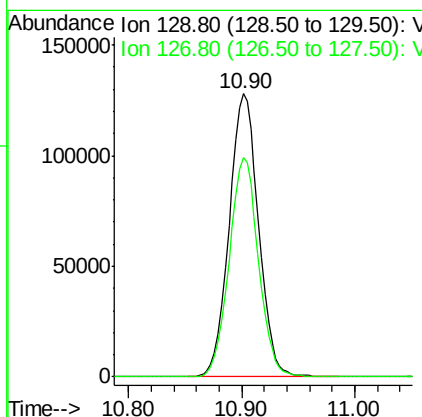
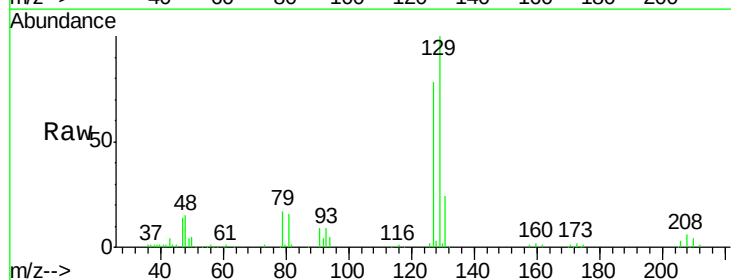
Manual Integrations
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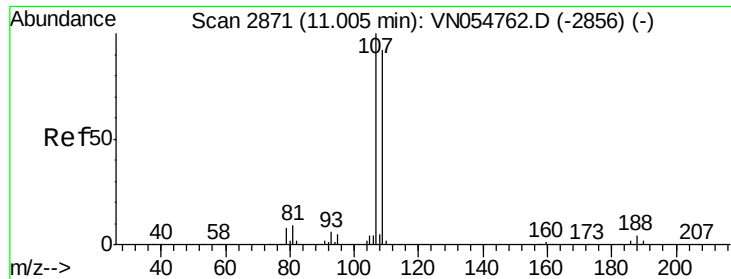
MMDadoda
4/3/2019 10:44:13 AM



#60
Dibromochloromethane
Concen: 56.402 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion: 129 Resp: 230674
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





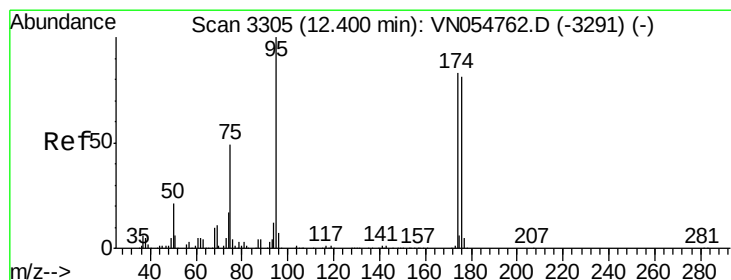
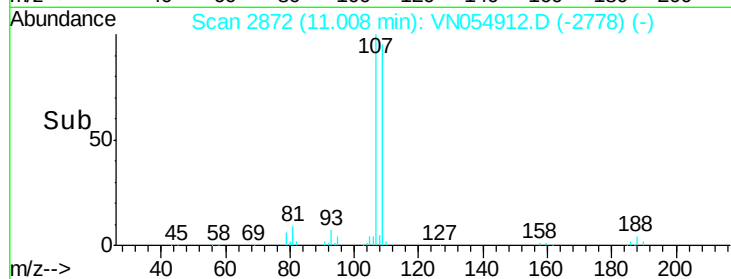
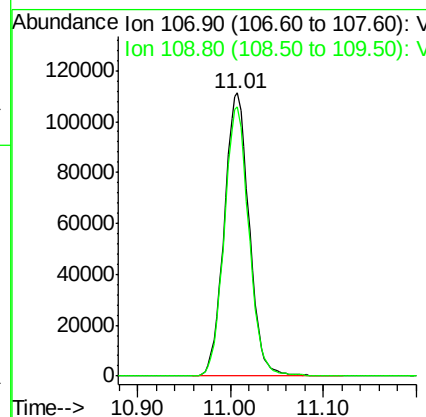
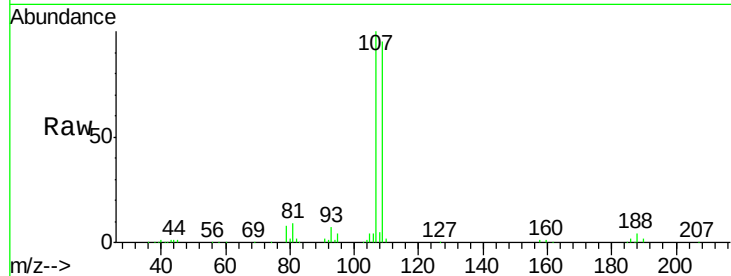
#61
 1,2-Dibromoethane
 Concen: 53.648 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.9	113.9

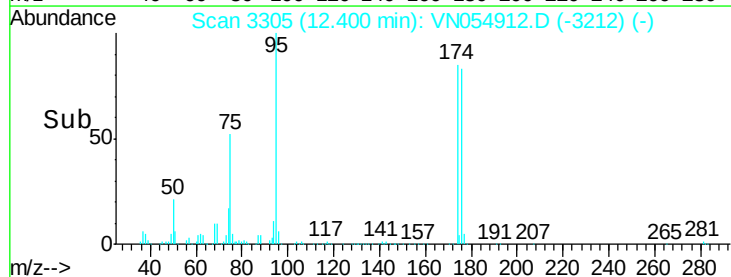
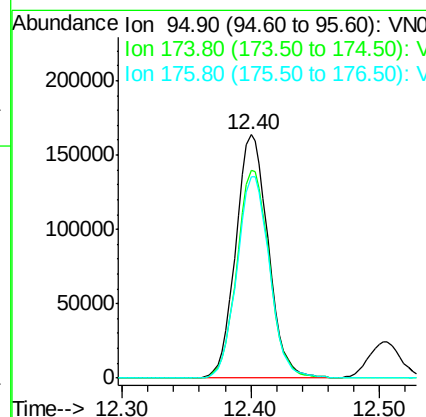
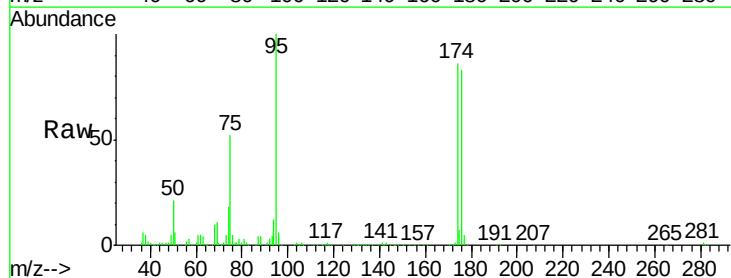
Manual Integrations
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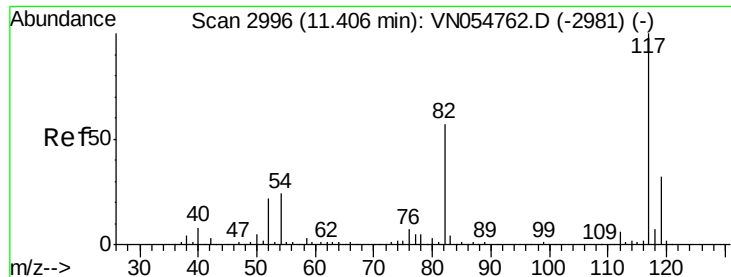
MMDadoda
 4/3/2019 10:44:13 AM



#62
 4-Bromofluorobenzene
 Concen: 50.846 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	191.0
176	83.1	0.0	187.4





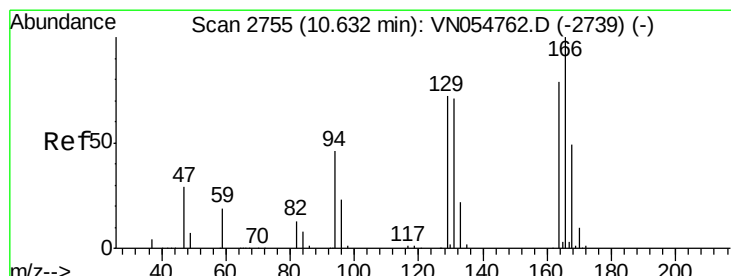
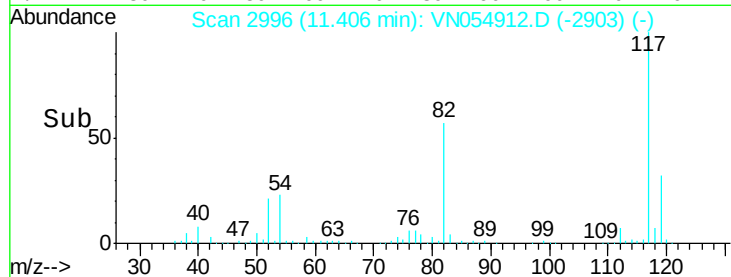
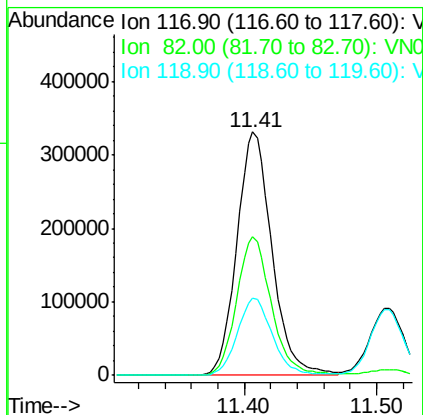
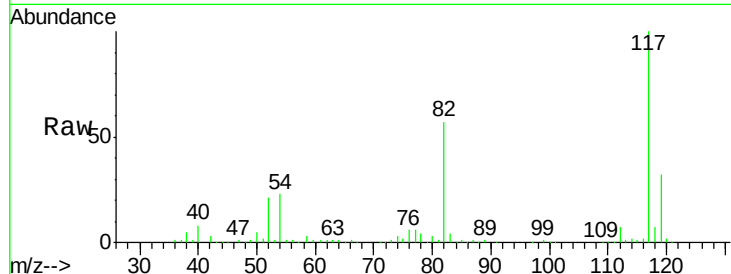
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	608934		
82	56.8		40.0	60.0
119	31.6		25.8	38.6

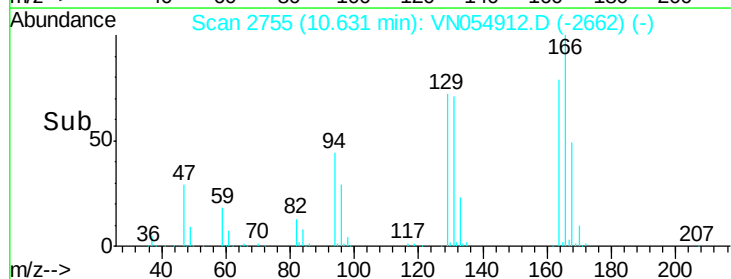
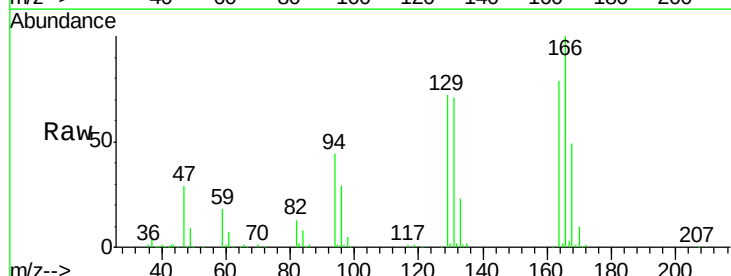
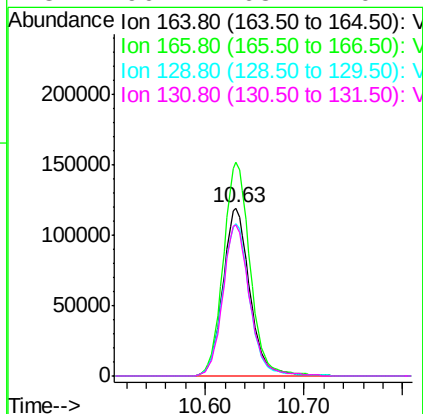
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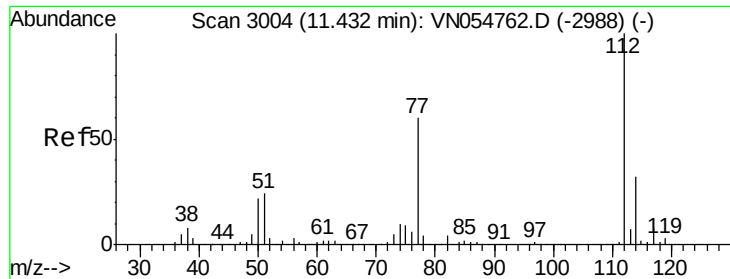
MMDadoda
4/3/2019 10:44:13 AM



#64
Tetrachloroethene
Concen: 48.647 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	227319		
166	127.0		103.9	155.9
129	90.8		71.1	106.7
131	90.2		68.2	102.4





#65

Chlorobenzene

Concen: 51.066 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 608822

Ion Ratio Lower Upper

112 100

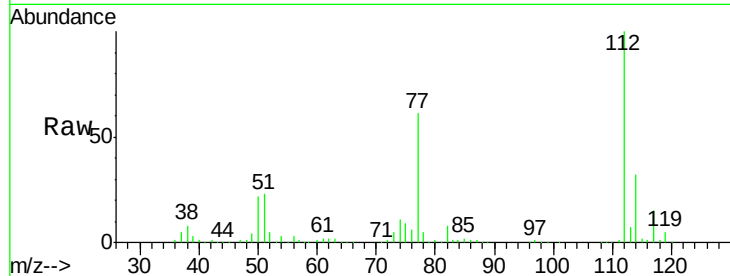
114 31.7 25.9 38.9

Manual Integrations

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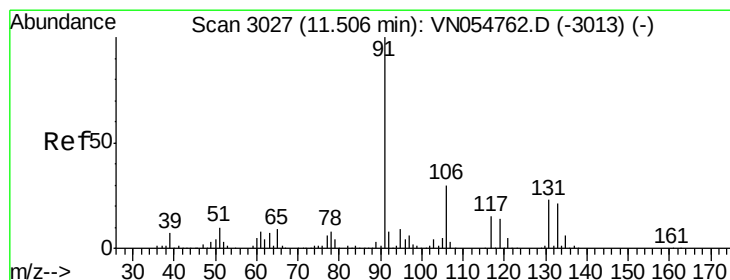
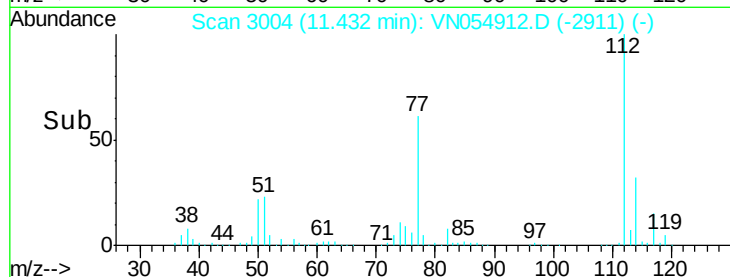
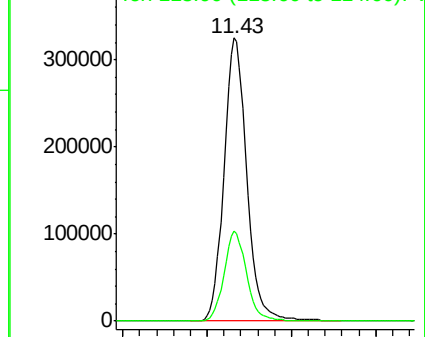
MMDadoda

4/3/2019 10:44:13 AM



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: 52.515 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

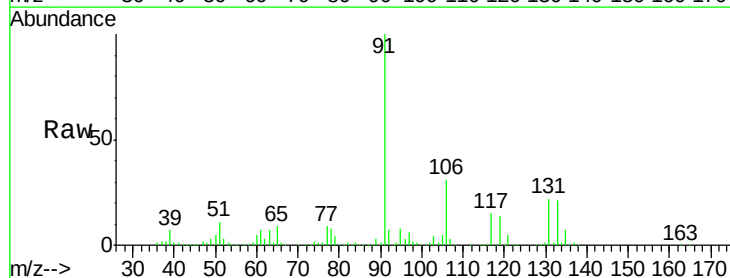
Tgt Ion:131 Resp: 234345

Ion Ratio Lower Upper

131 100

133 95.9 47.6 142.9

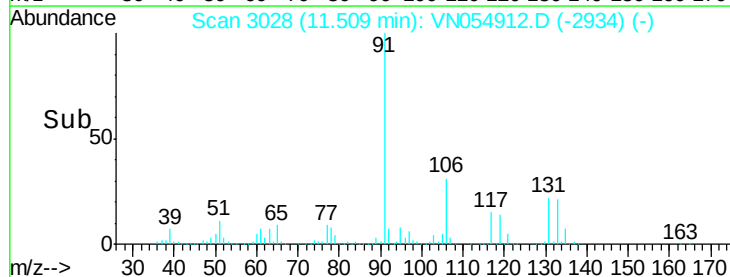
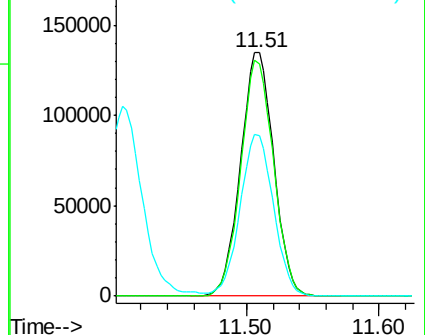
119 66.6 32.4 97.0

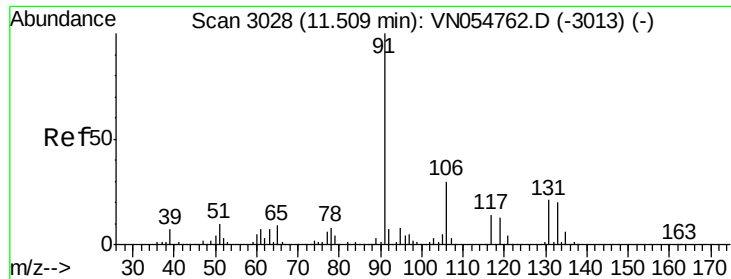


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





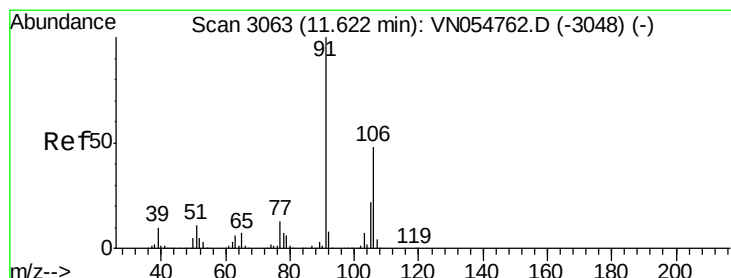
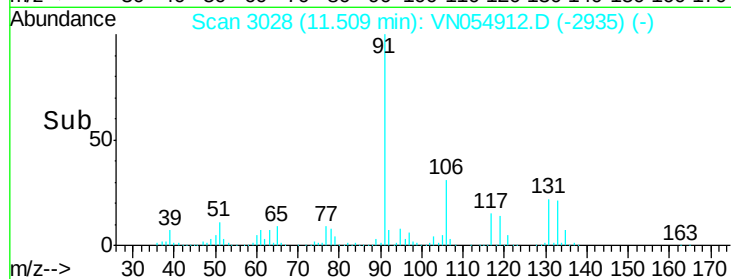
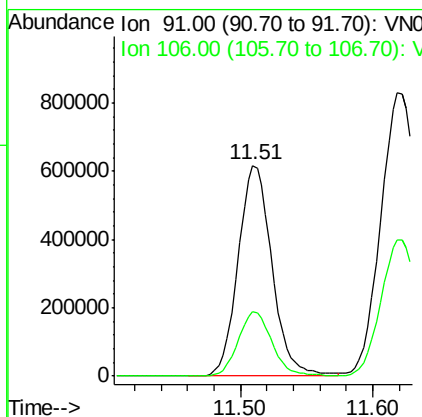
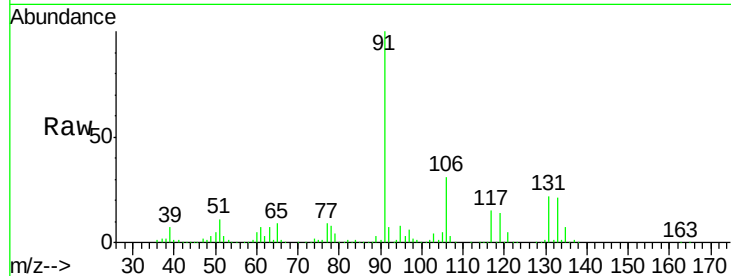
#67
Ethyl Benzene
Concen: 50.973 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1096648
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3

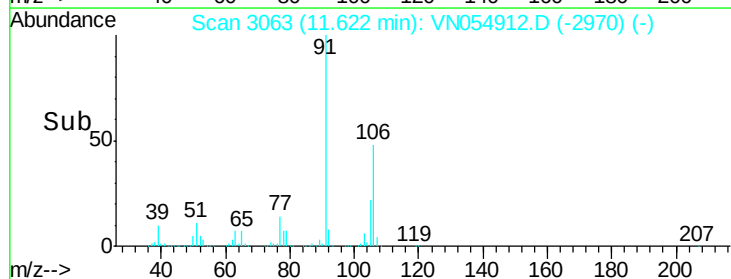
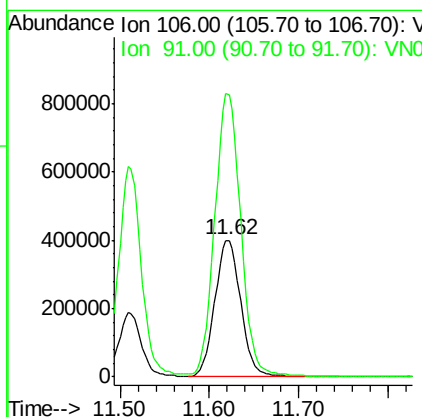
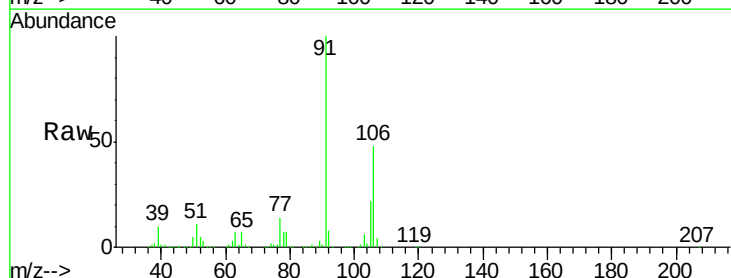
Manual Integrations
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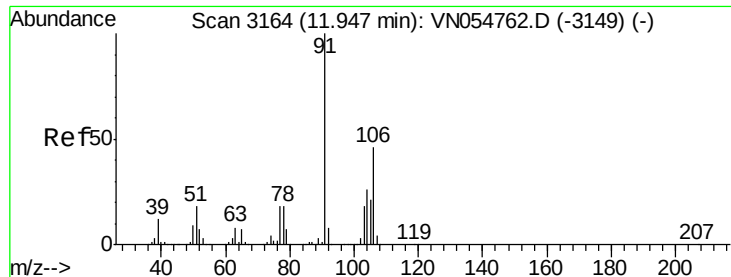
MMDadoda
4/3/2019 10:44:13 AM



#68
m/p-Xylenes
Concen: 101.666 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion: 106 Resp: 809431
Ion Ratio Lower Upper
106 100
91 208.1 159.4 239.2





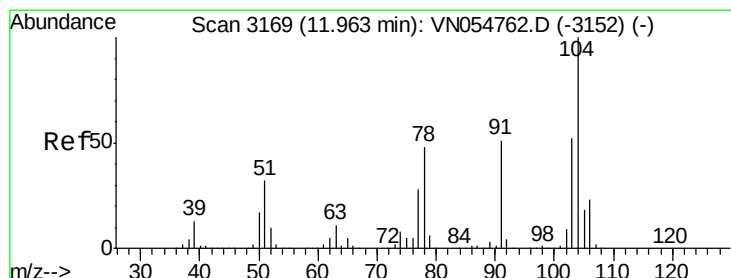
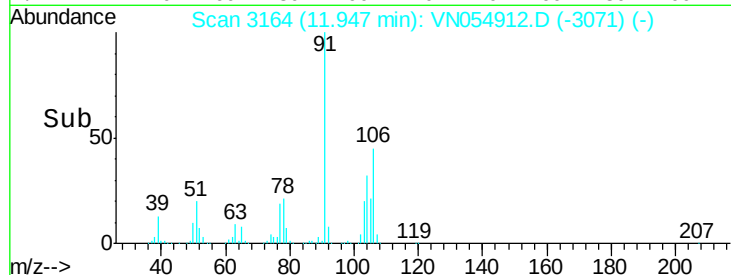
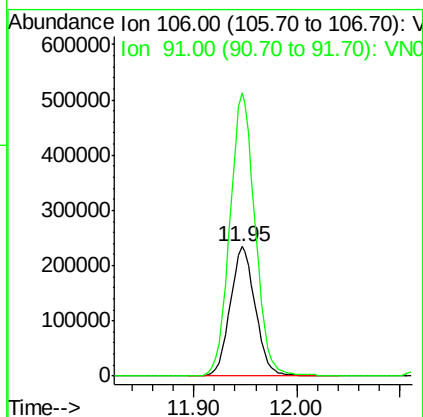
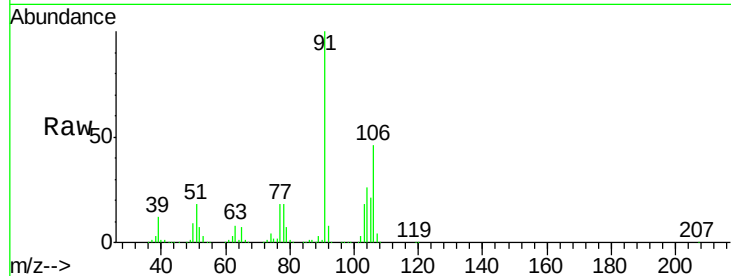
#69
o-Xylene
Concen: 51.129 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:106 Resp: 399176
Ion Ratio Lower Upper
106 100
91 218.9 105.7 317.1

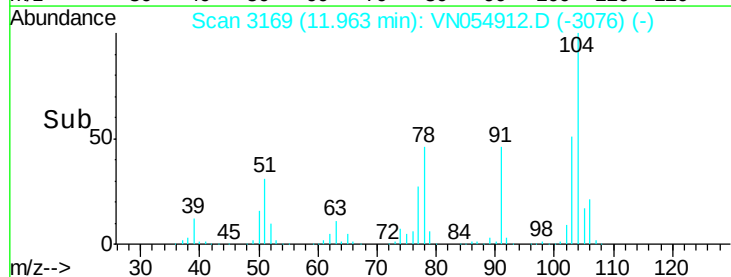
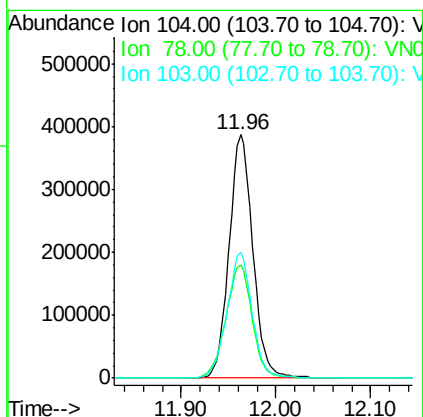
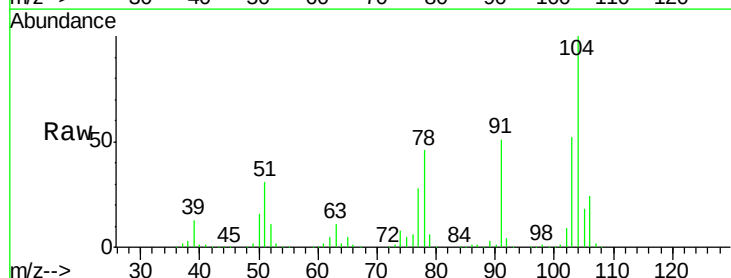
Manual Integrations
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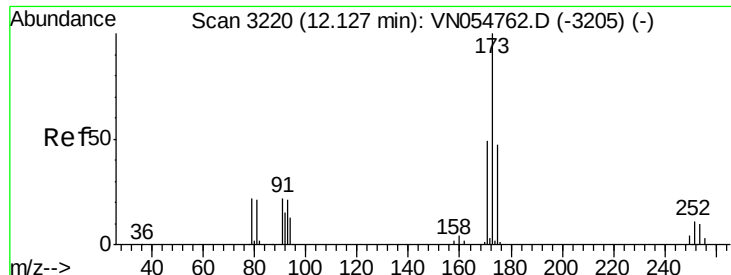
MMDadoda
4/3/2019 10:44:13 AM



#70
Styrene
Concen: 54.215 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion:104 Resp: 676768
Ion Ratio Lower Upper
104 100
78 51.4 38.2 57.2
103 54.5 44.4 66.6





#71

Bromoform

Concen: 54.296 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:173 Resp: 141945

Ion Ratio Lower Upper

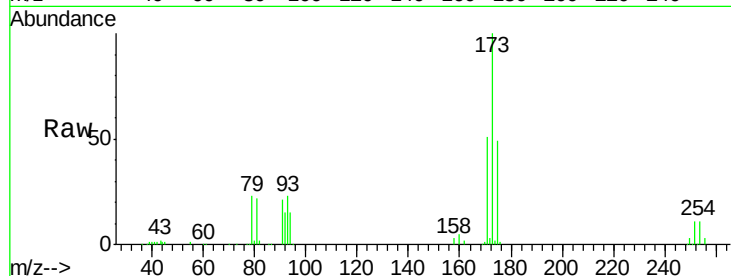
173 100

175 48.6 24.4 73.2

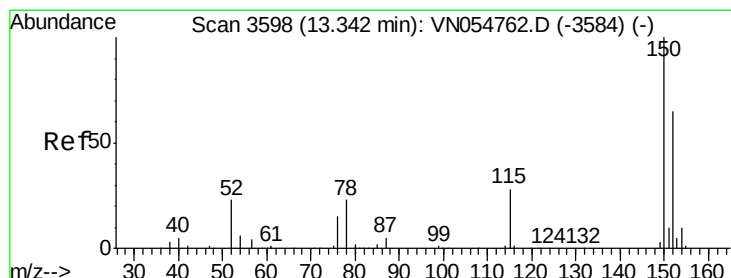
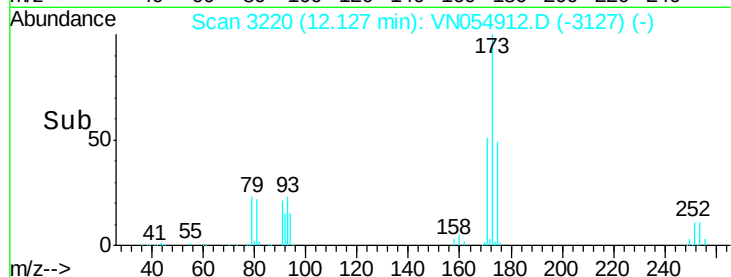
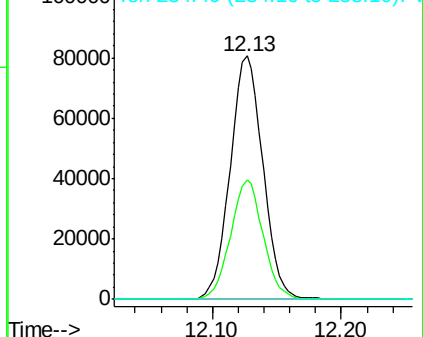
254 0.0 0.1 0.1#

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# 3598

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

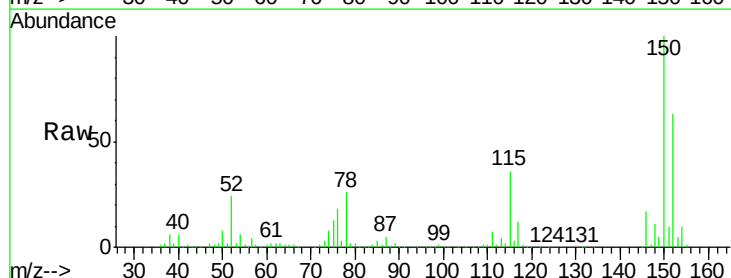
Tgt Ion:152 Resp: 269448

Ion Ratio Lower Upper

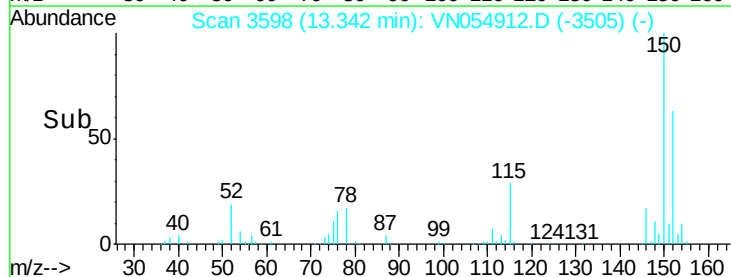
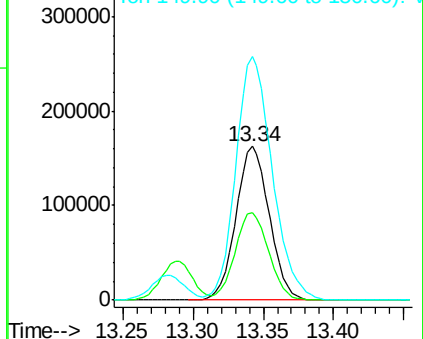
152 100

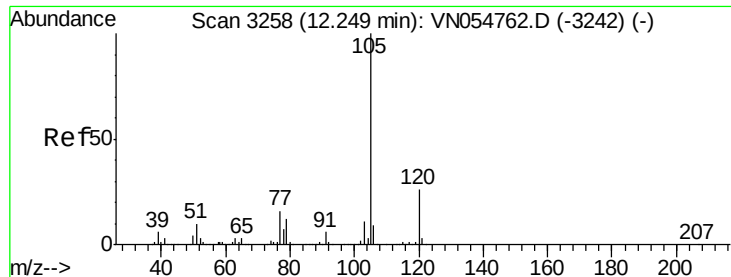
115 57.6 27.2 81.6

150 173.3 0.0 349.2



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: 48.131 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1060009

Ion Ratio Lower Upper

105 100

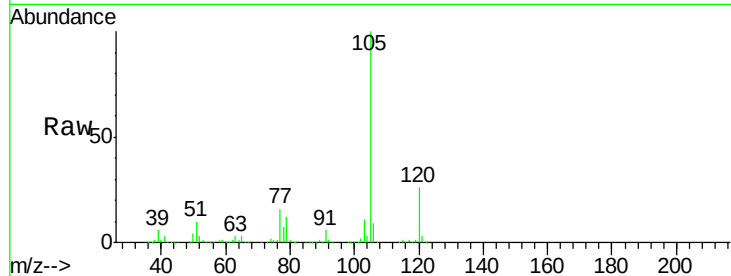
120 26.3 13.8 41.3

Manual Integrations

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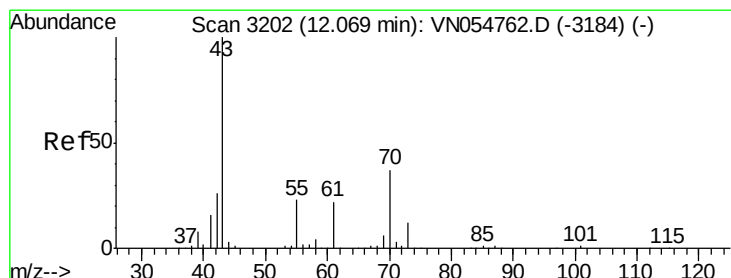
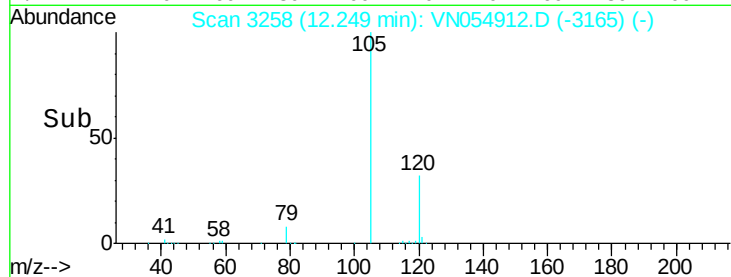
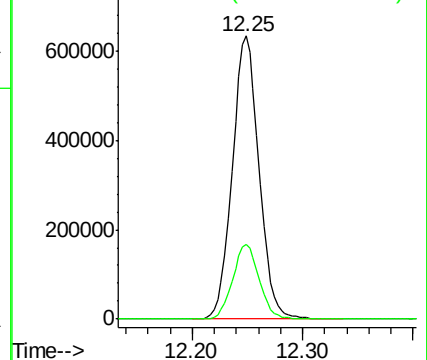
MMDadoda

4/3/2019 10:44:13 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.801 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Tgt Ion: 43 Resp: 348560

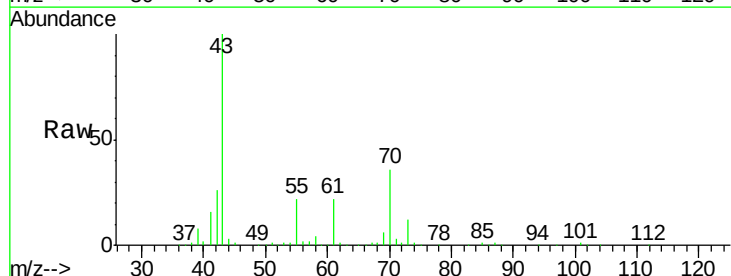
Ion Ratio Lower Upper

43 100

70 36.1 35.4 53.0

55 22.9 19.8 29.6

61 21.6 19.8 29.6

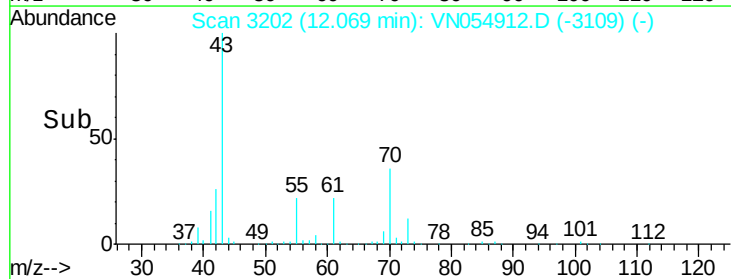
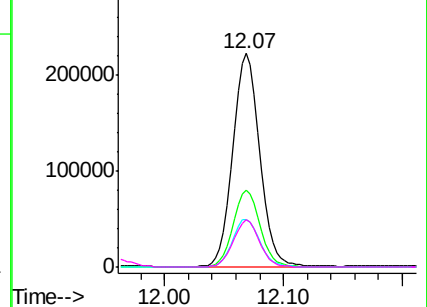


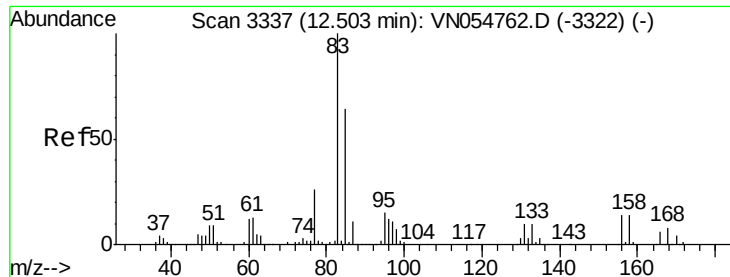
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.447 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

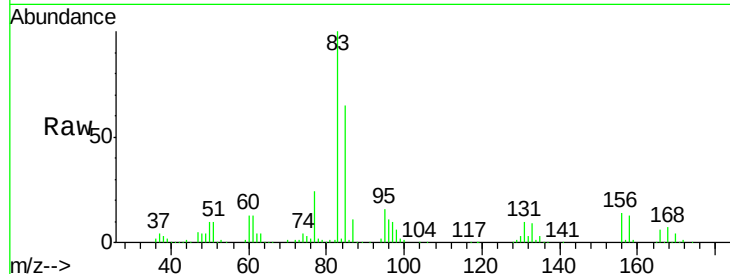
ClientSampleId :

VSTDCCC050EC

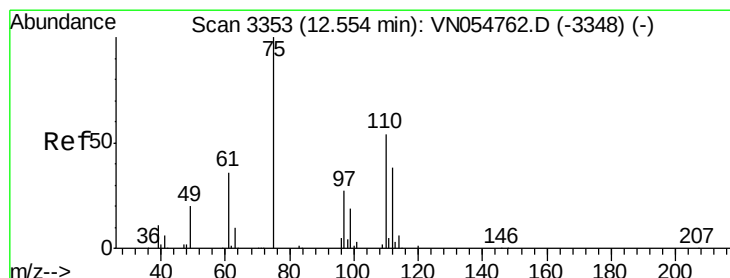
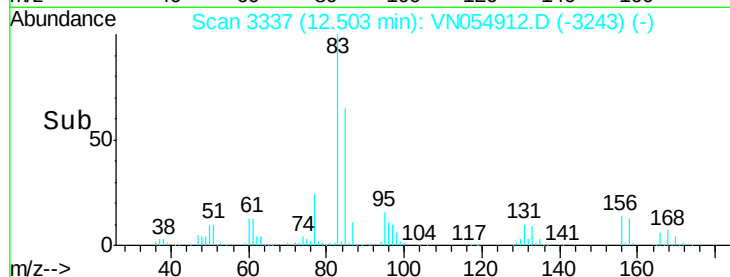
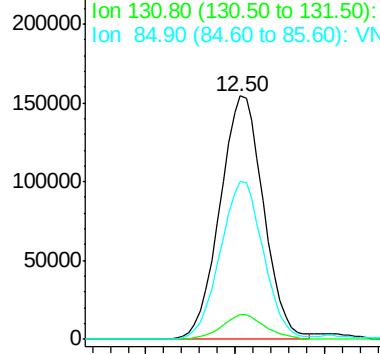
Tot Ion:	83	Resp:	263602
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	64.6	32.2	96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN054912.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 50.508 ug/l m

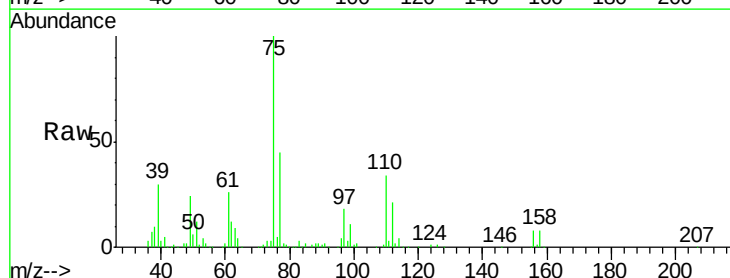
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

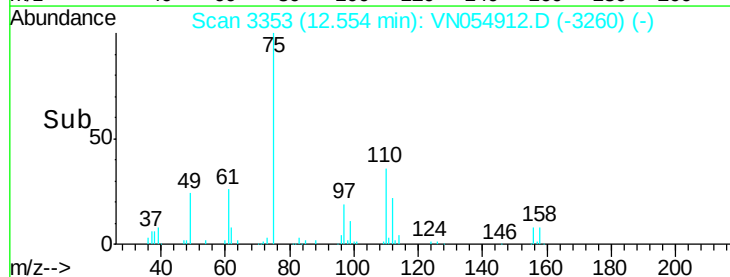
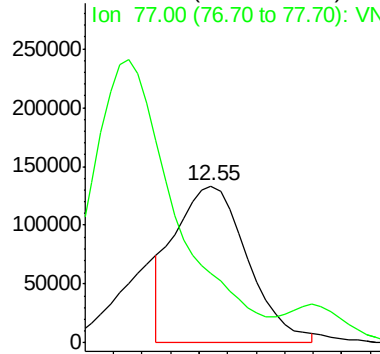
Lab File: VN054912.D

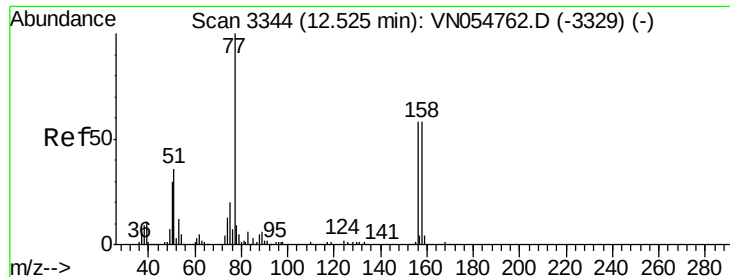
Acq: 2 Apr 2019 19:48

Tgt Ion:	75	Resp:	236426
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054912.D (-3260) (-)





#77

Bromobenzene

Concen: 49.276 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

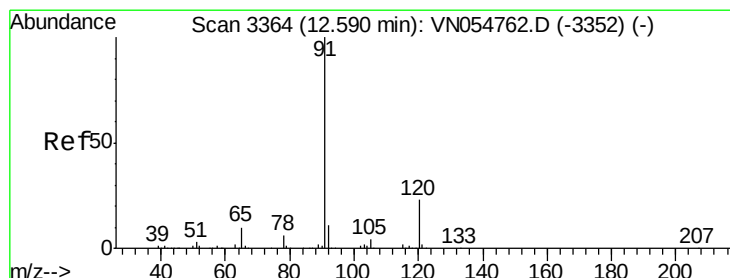
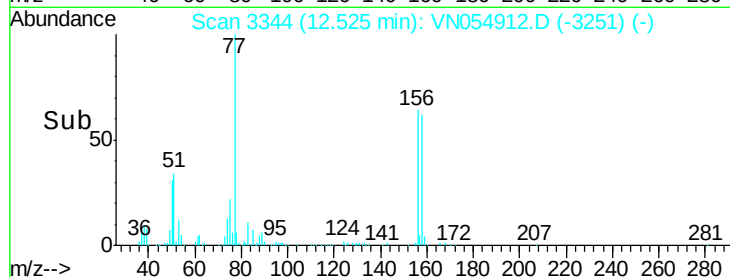
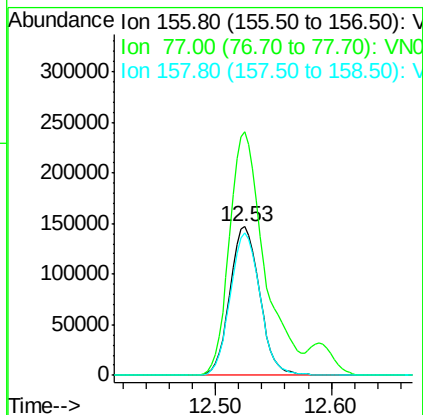
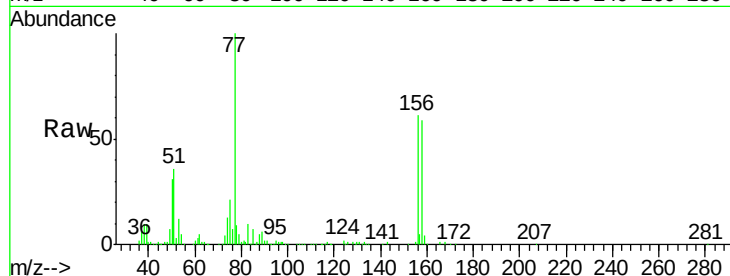
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	261918
Ion Ratio	Lower	Upper	
156	100		
77	192.4	81.5	244.4
158	96.1	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 48.843 ug/l

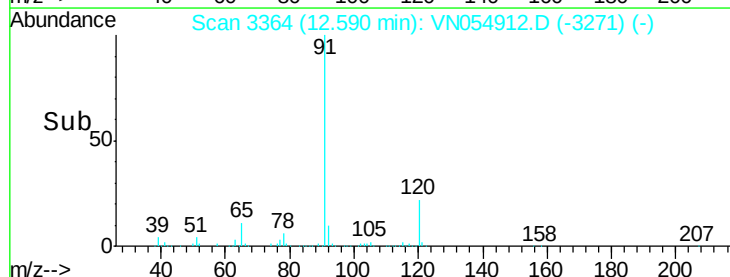
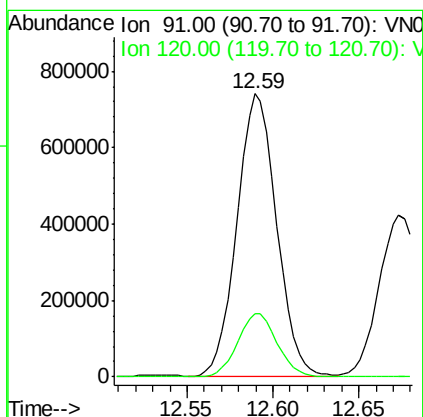
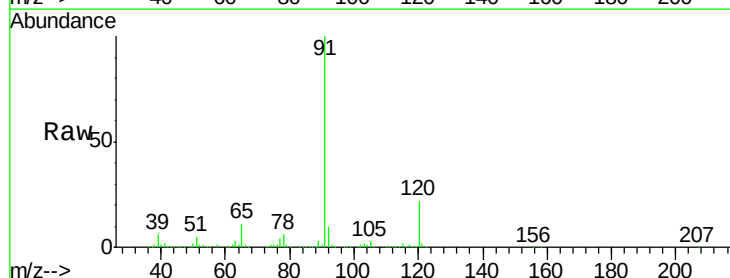
RT: 12.59 min Scan# 3364

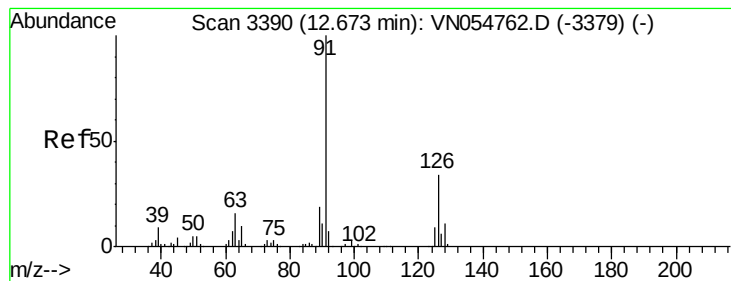
Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Tgt Ion:	91	Resp:	1182304
Ion Ratio	Lower	Upper	
91	100		
120	22.5	12.3	36.9





#79

2-Chlorotoluene

Concen: 47.979 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 718520

Ion Ratio Lower Upper

91 100

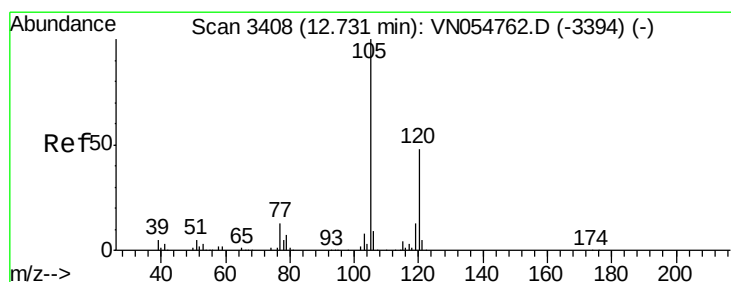
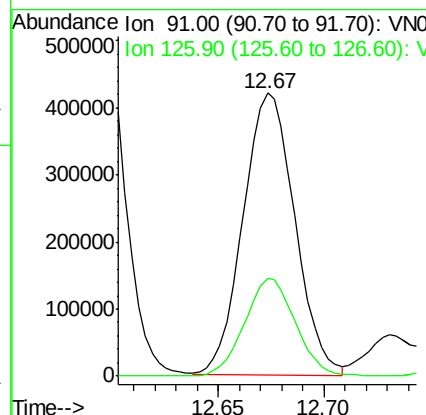
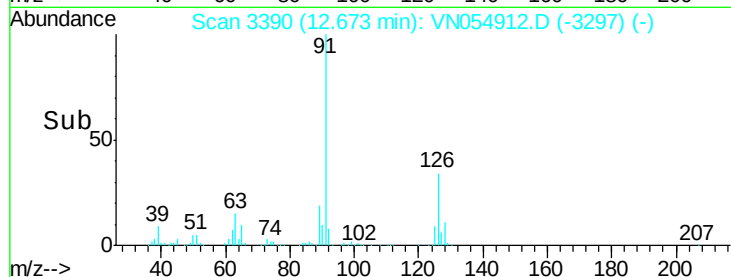
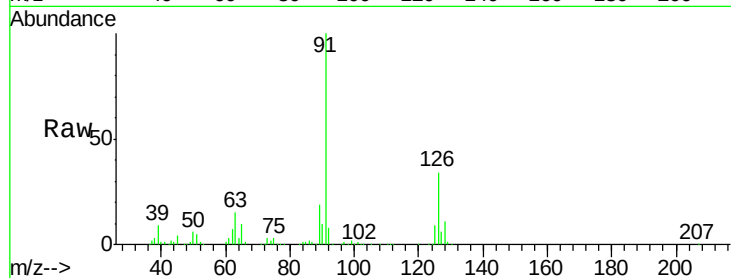
126 34.1 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.297 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054912.D

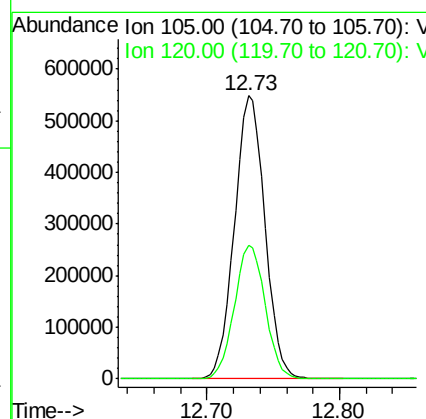
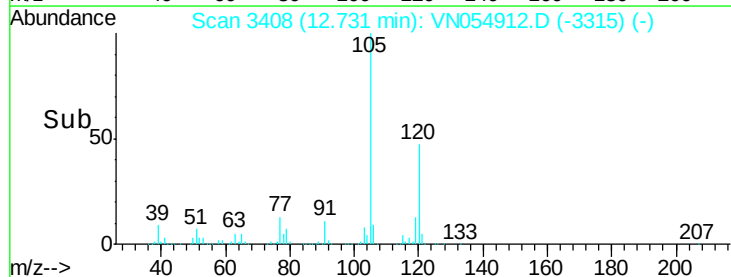
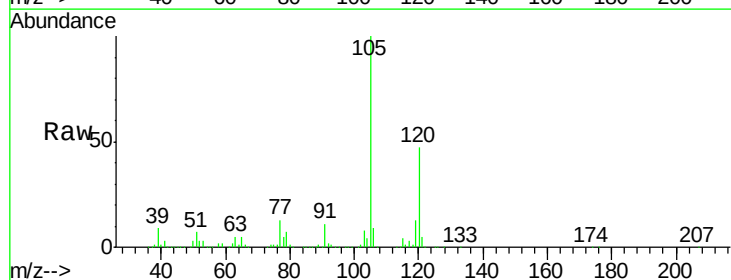
Acq: 2 Apr 2019 19:48

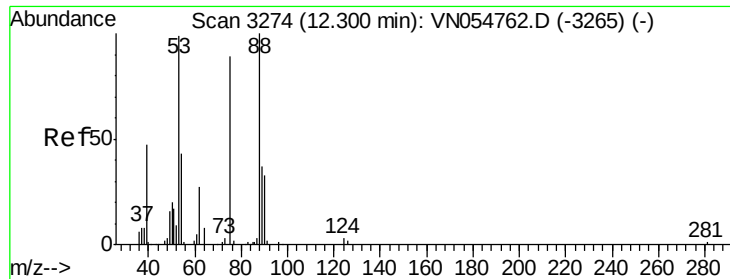
Tgt Ion: 105 Resp: 872779

Ion Ratio Lower Upper

105 100

120 47.9 25.0 75.0





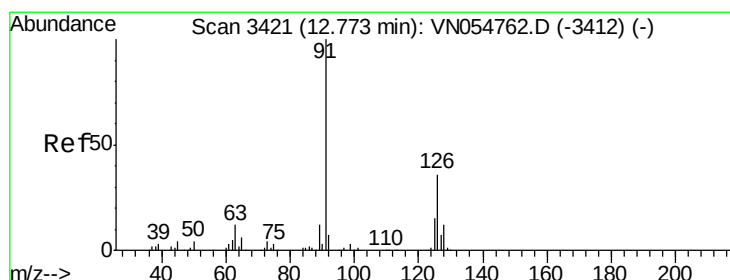
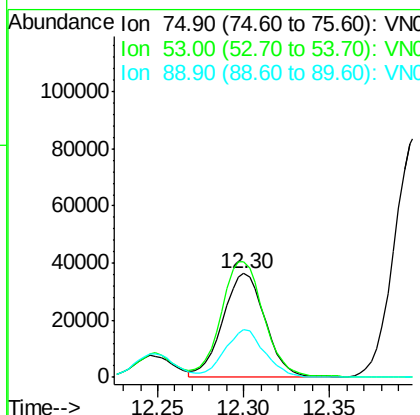
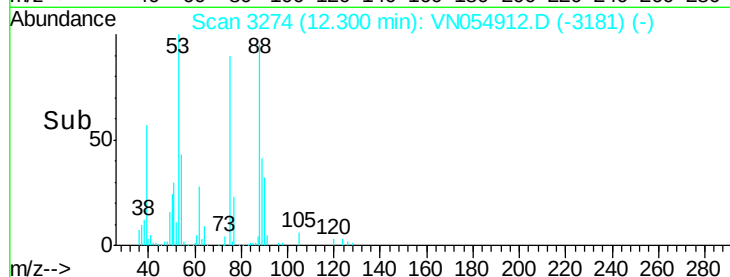
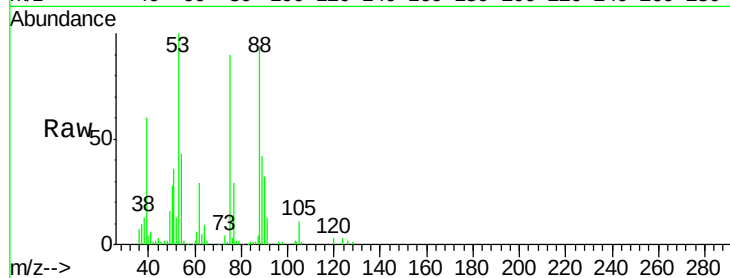
#81
trans-1,4-Dichloro-2-butene
Concen: 51.280 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.9	76.2	114.2#
89	43.8	39.2	58.8

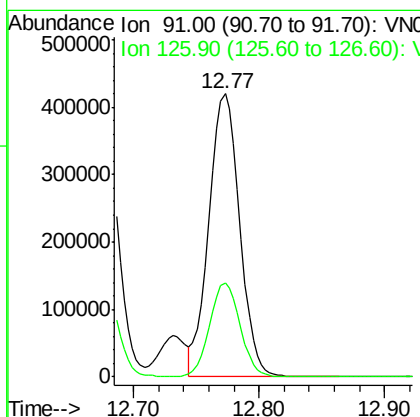
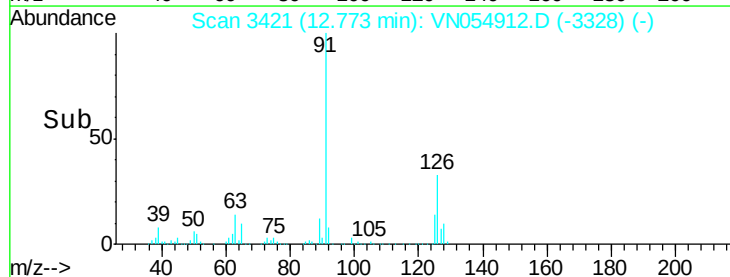
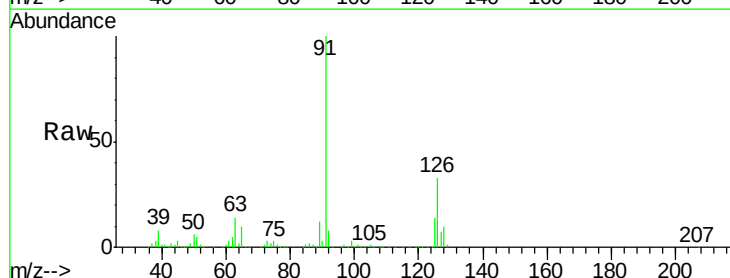
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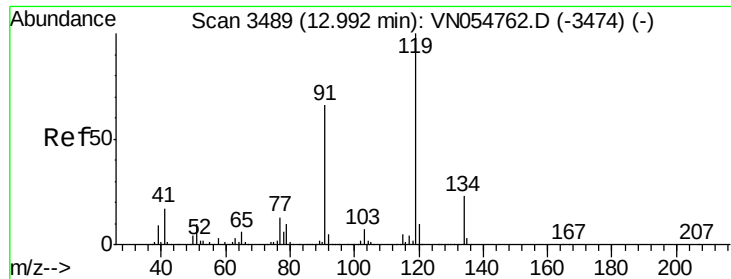
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.130 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	18.1	54.1





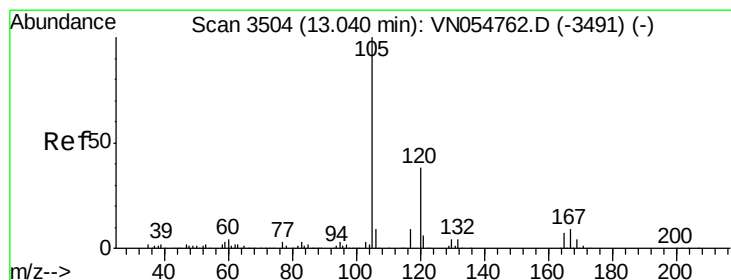
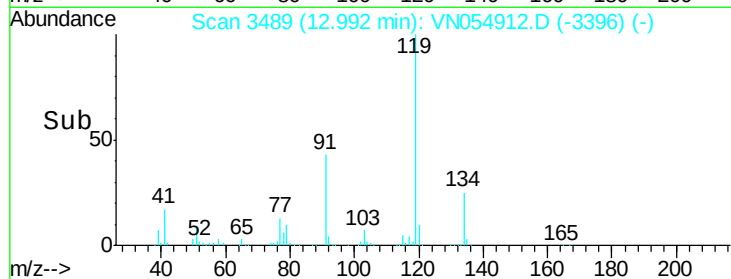
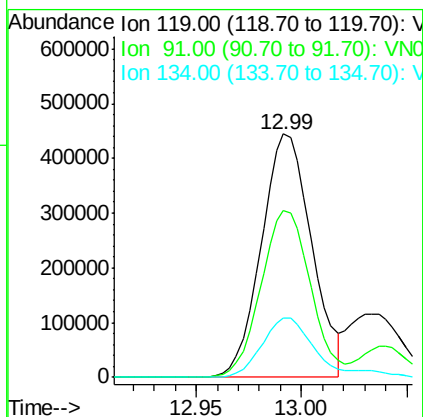
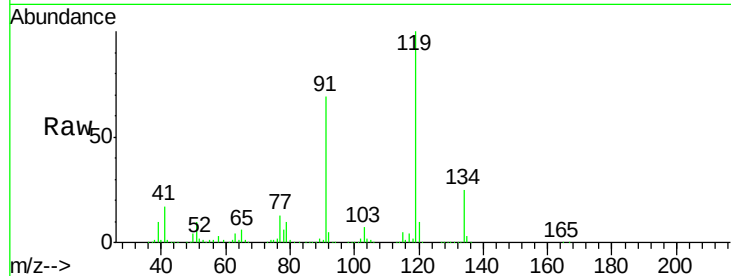
#83
 tert-Butylbenzene
 Concen: 52.952 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	30.9	92.8
134	26.6	13.2	39.6

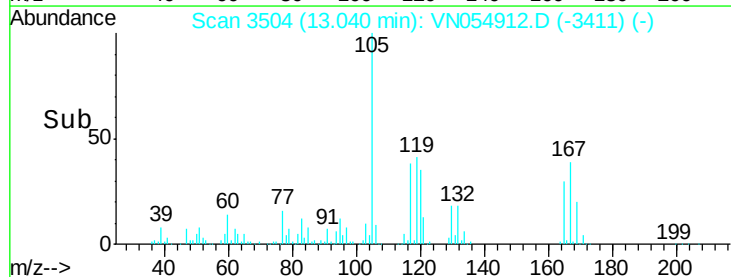
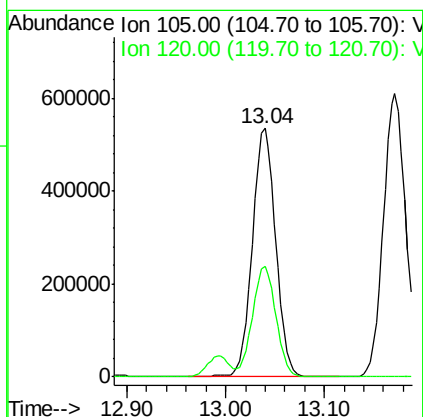
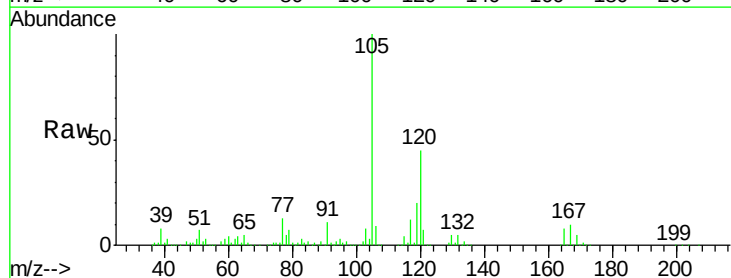
Manual Integrations
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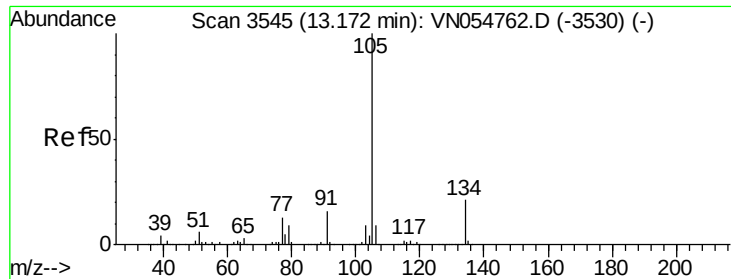
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.522 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.4	70.3





#85

sec-Butylbenzene

Concen: 48.884 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 959622

Ion Ratio Lower Upper

105 100

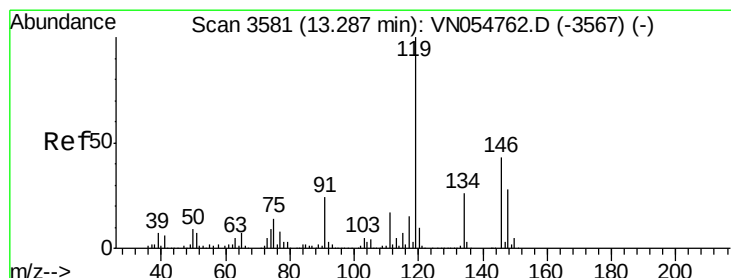
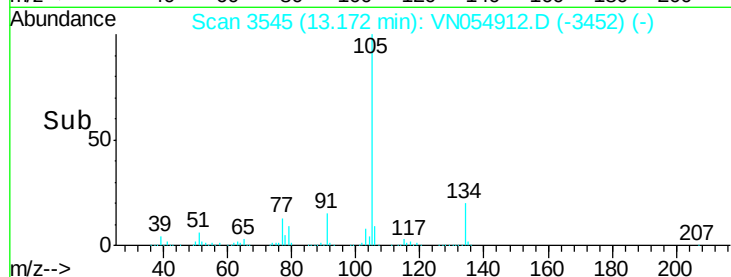
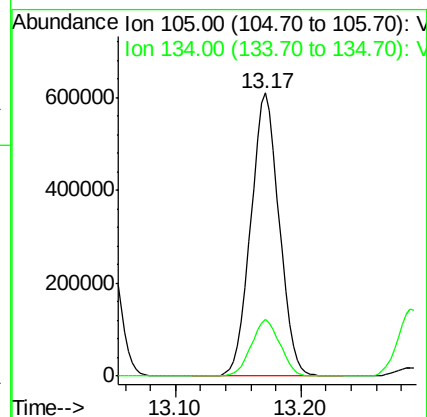
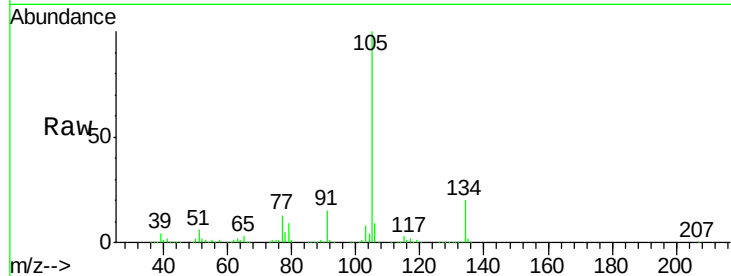
134 20.1 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 49.067 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

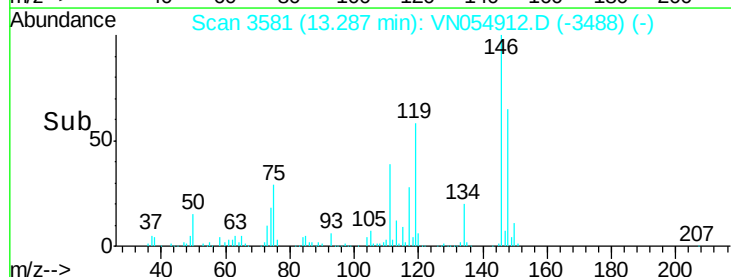
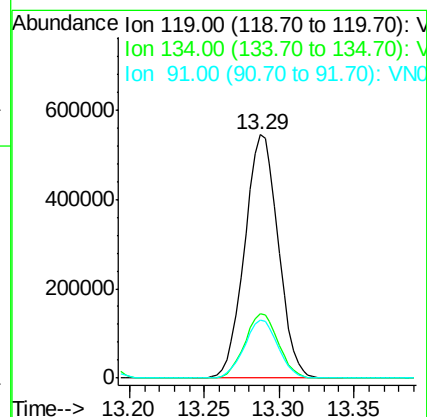
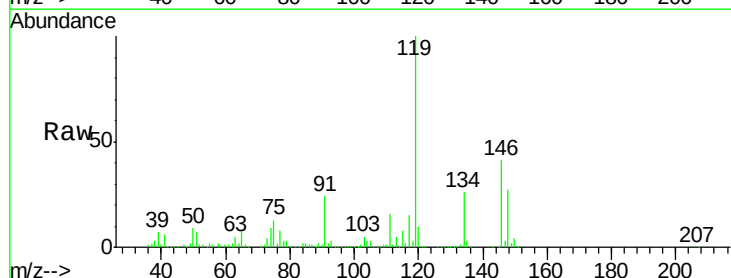
Tgt Ion:119 Resp: 849565

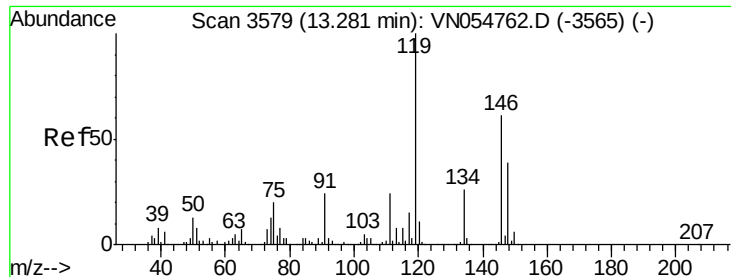
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 24.2 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 49.419 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

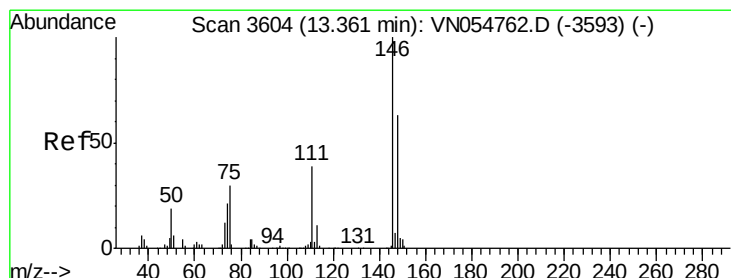
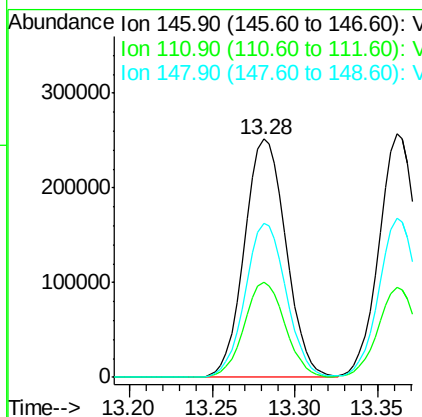
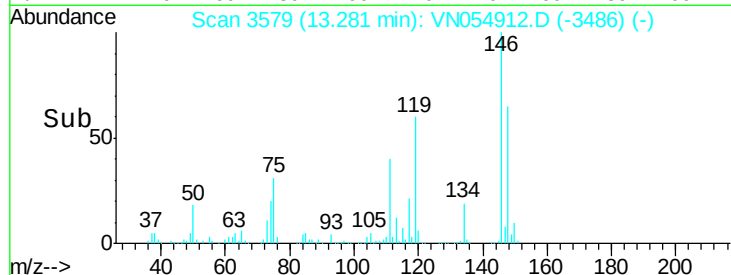
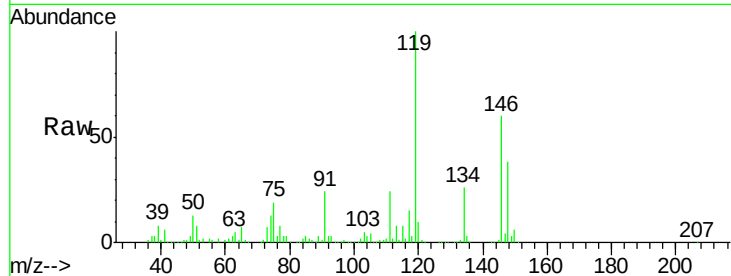
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	439786
Ion Ratio	Lower	Upper	
146	100		
111	39.2	18.8	56.3
148	63.7	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.360 ug/l

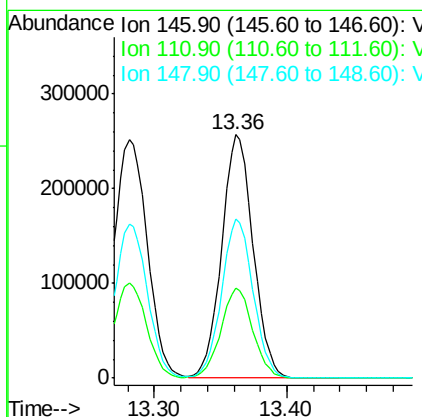
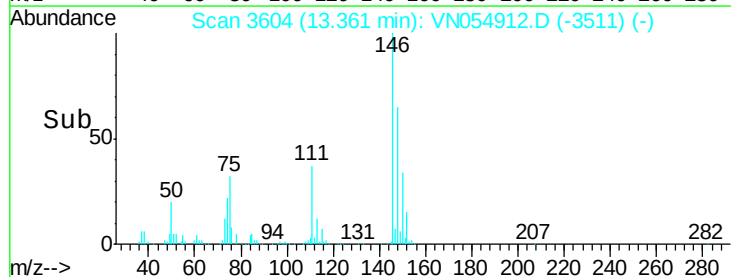
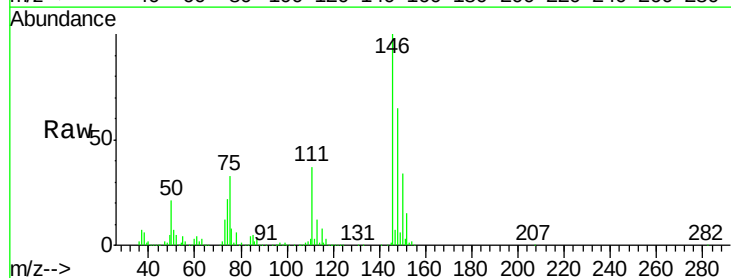
RT: 13.36 min Scan# 3604

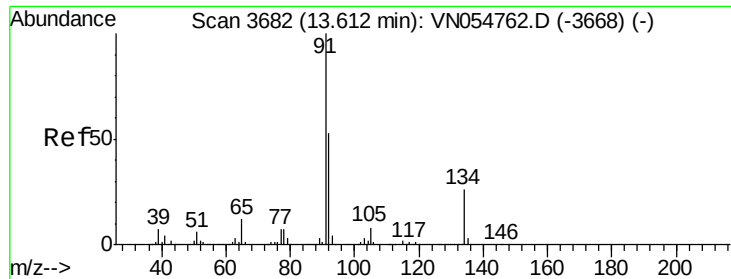
Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Tgt Ion:	146	Resp:	422099
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.1	54.1
148	65.6	32.0	96.0





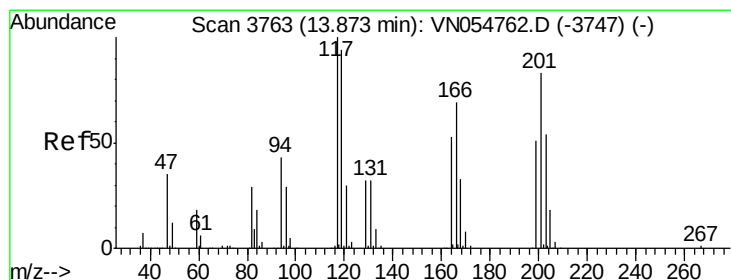
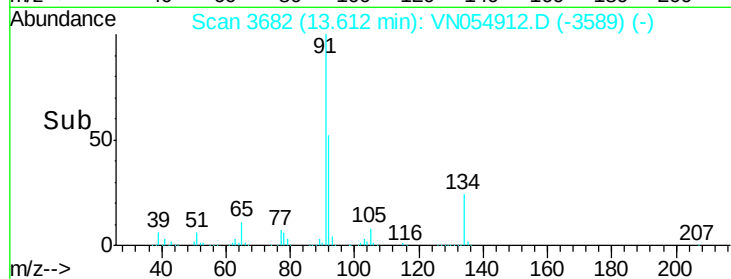
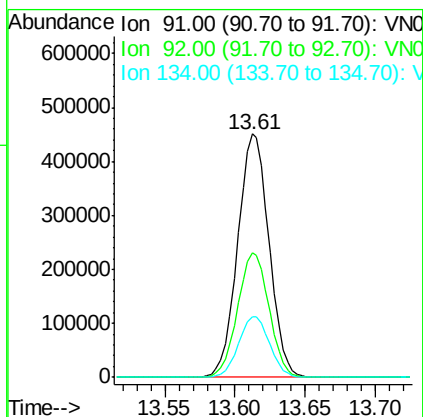
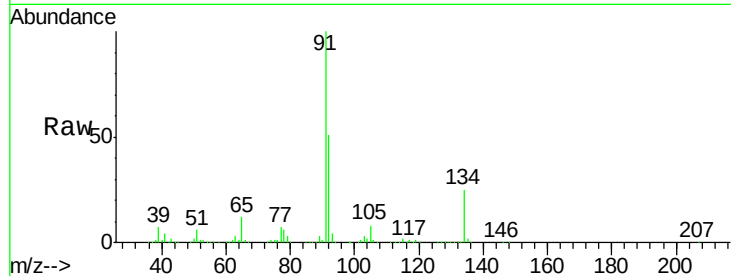
#89
n-Butylbenzene
Concen: 49.589 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	51.4	26.2	78.6	
134	25.0	14.3	42.9	

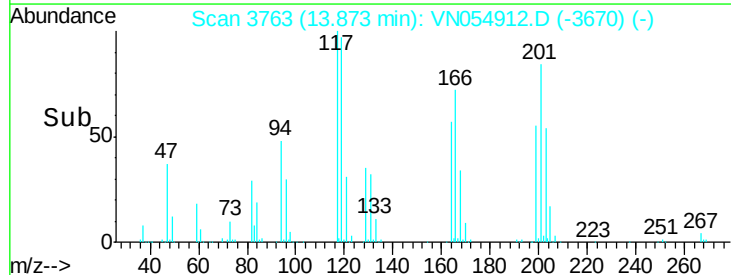
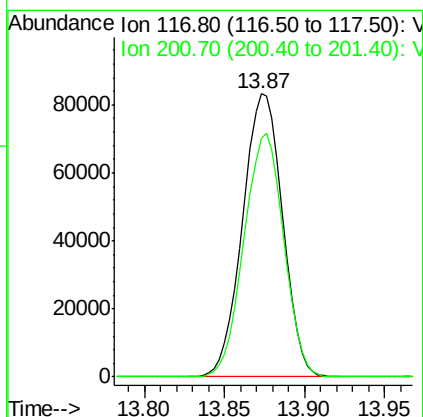
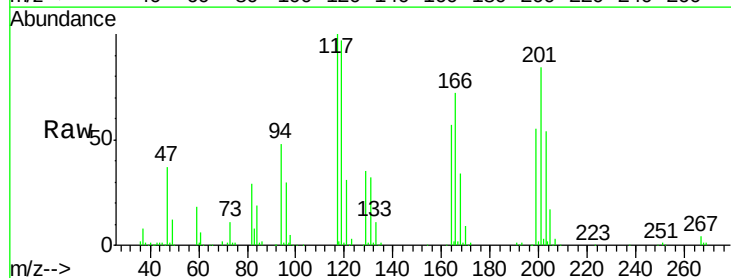
Manual Integrations
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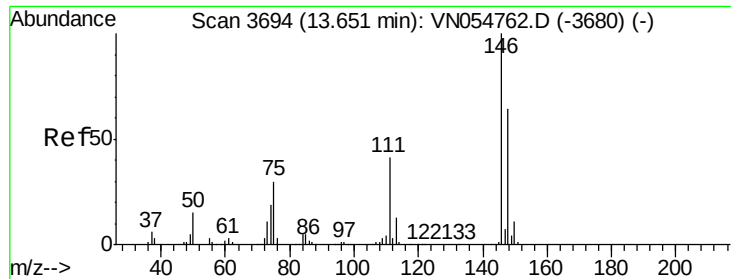
MMDadoda
4/3/2019 10:44:13 AM



#90
Hexachloroethane
Concen: 48.323 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054912.D
Acq: 2 Apr 2019 19:48

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	85.5	48.1	144.4	





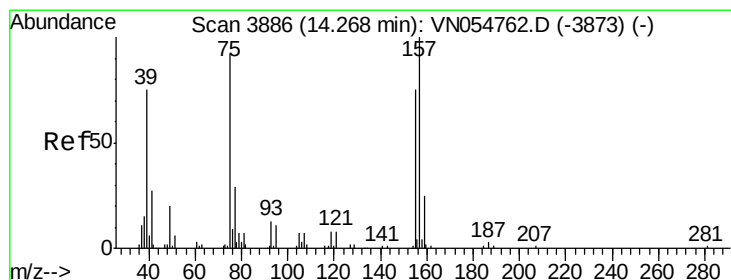
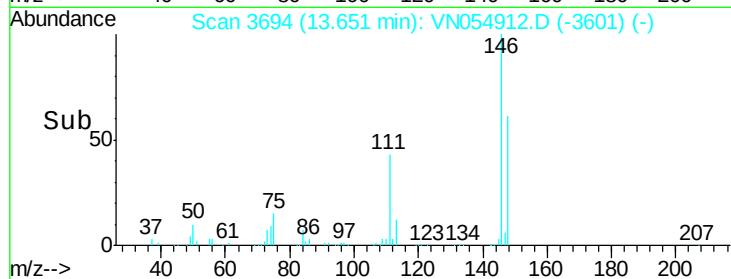
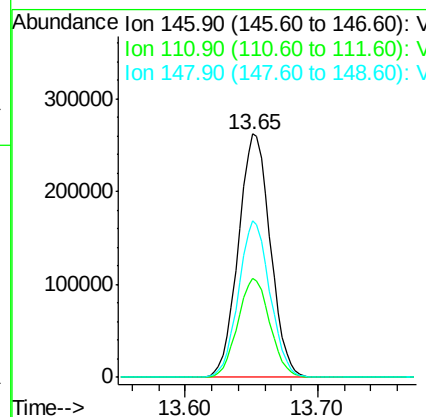
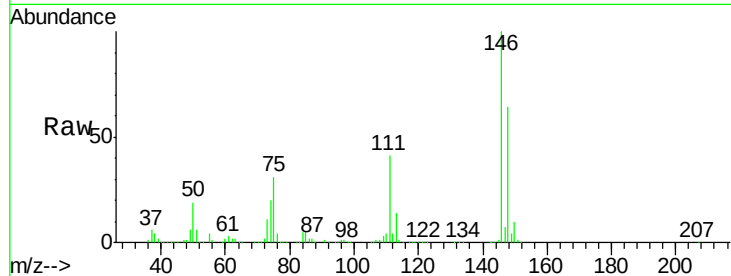
#91
 1,2-Dichlorobenzene
 Concen: 48.692 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.1	57.3
148	63.6	32.4	97.0

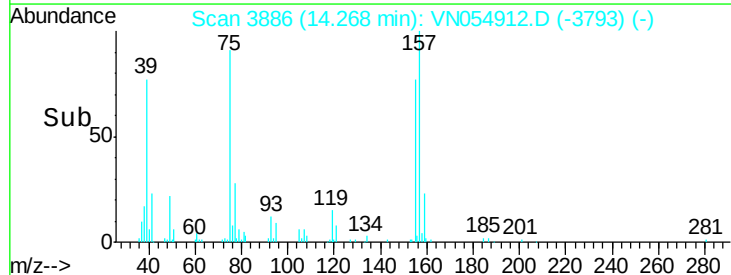
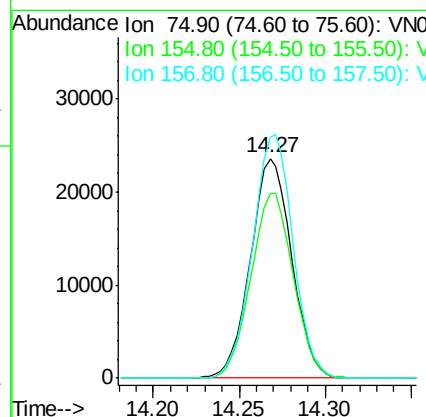
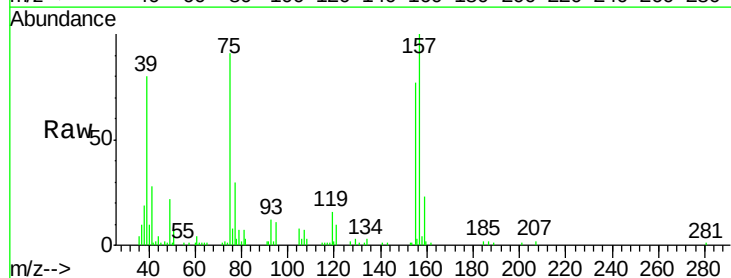
Manual Integrations
 APPROVED

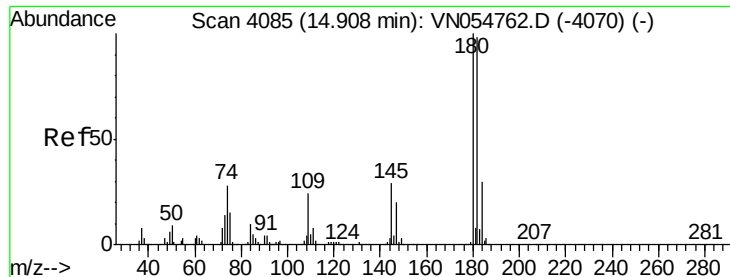
MMDadoda
 4/3/2019 10:44:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.076 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054912.D
 Acq: 2 Apr 2019 19:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	50.1	150.3
157	108.9	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 49.583 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

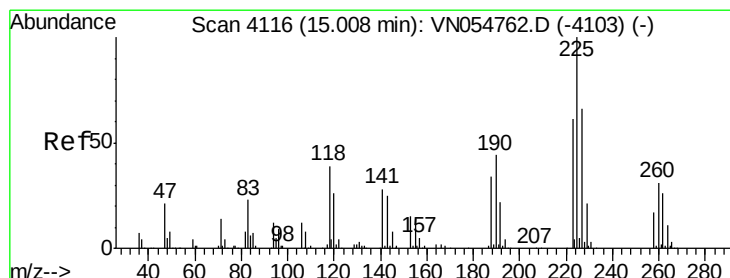
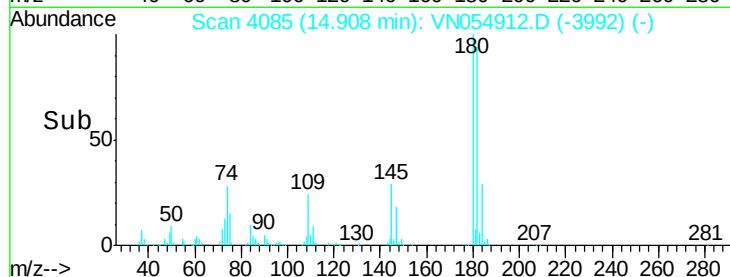
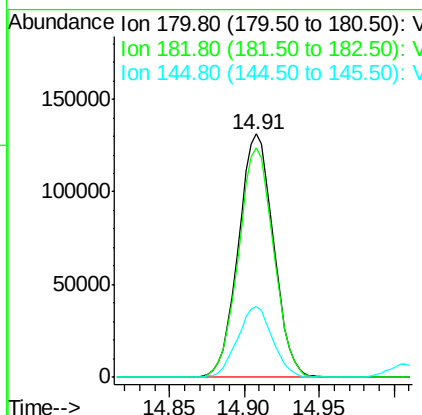
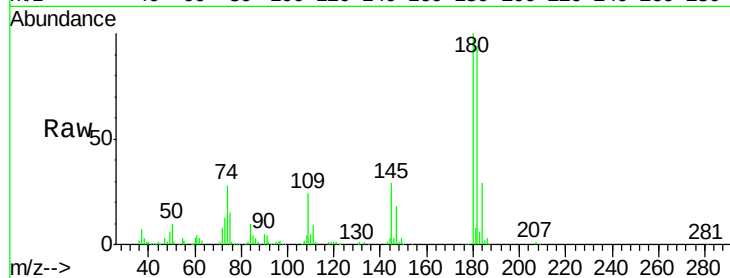
ClientSampled :

VSTDCCC050EC

Tot Ion:	180	Resp:	214690
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.0	144.2
145	29.0	14.2	42.8

Manual Integrations
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4/3/2019 10:44:13 AM



#94

Hexachlorobutadiene

Concen: 50.574 ug/l

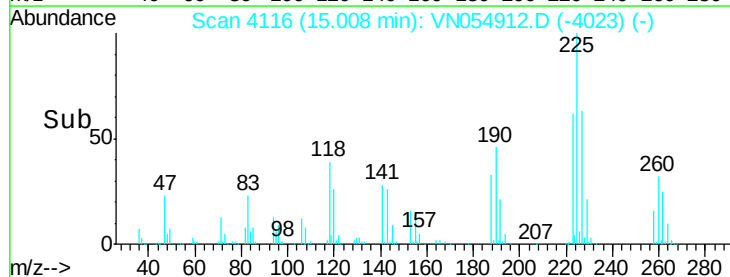
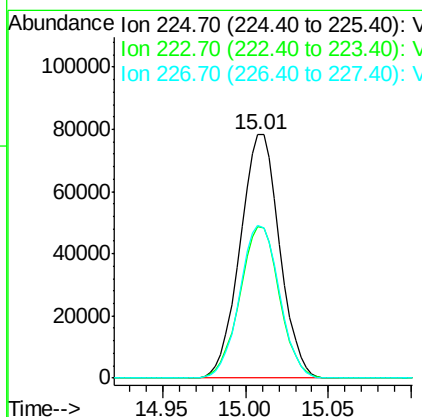
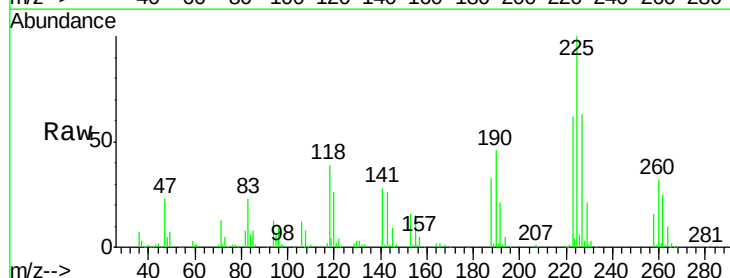
RT: 15.01 min Scan# 4116

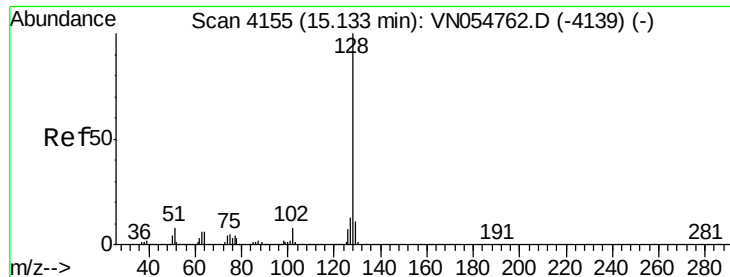
Delta R.T. 0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Tgt Ion:	225	Resp:	129625
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.1	93.5
227	63.0	31.9	95.9





#95

Naphthalene

Concen: 48.826 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Instrument :

MSVOA_N

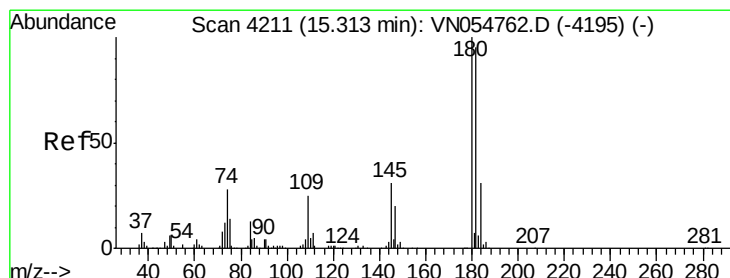
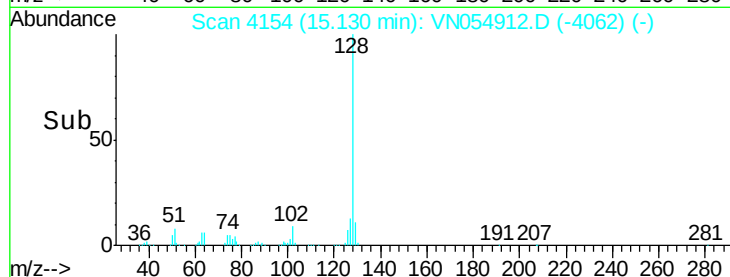
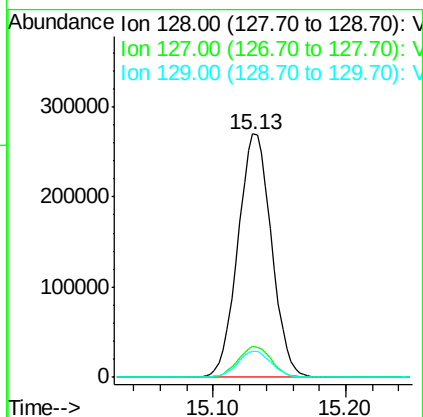
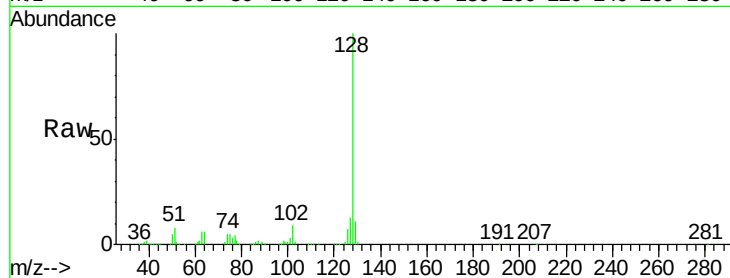
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	474160
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
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4/3/2019 10:44:13 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.185 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054912.D

Acq: 2 Apr 2019 19:48

Tgt Ion:	180	Resp:	210705
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.5	142.6
145	31.2	14.8	44.3

