

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
 Data File : VN054865.D
 Acq On : 1 Apr 2019 10:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/2/2019 10:51:48 AM

Quant Time: Apr 02 04:30:06 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	464041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	715550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	634242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	292107	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	309044	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.59	113	243616	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.09	98	927482	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.40	95	323130	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	220710	47.022	ug/l	99
3) Chloromethane	2.06	50	298774	46.036	ug/l	98
4) Vinyl Chloride	2.19	62	275994	47.355	ug/l	100
5) Bromomethane	2.57	94	143758	46.908	ug/l	94
6) Chloroethane	2.71	64	152897	46.981	ug/l	100
7) Trichlorofluoromethane	3.02	101	360417	50.300	ug/l	98
8) Diethyl Ether	3.41	74	114403	49.584	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	194912	51.673	ug/l	93
10) Methyl Iodide	3.94	142	243569	47.169	ug/l #	89
11) Tert butyl alcohol	4.82	59	84279	258.590	ug/l	100
12) 1,1-Dichloroethene	3.73	96	183007	50.171	ug/l #	76
13) Acrolein	3.61	56	33031	113.366	ug/l	95
14) Allyl chloride	4.32	41	437662	48.712	ug/l #	92
15) Acrylonitrile	4.99	53	454768	251.038	ug/l	99
16) Acetone	3.82	43	533046	357.343	ug/l #	83
17) Carbon Disulfide	4.04	76	579427	48.976	ug/l	99
18) Methyl Acetate	4.33	43	202976	52.283	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	633321	49.636	ug/l	92
20) Methylene Chloride	4.54	84	251180	47.736	ug/l #	79
21) trans-1,2-Dichloroethene	5.03	96	235958	49.249	ug/l	86
22) Diisopropyl ether	5.96	45	896688	50.461	ug/l #	94
23) Vinyl Acetate	5.90	43	3230804	261.260	ug/l #	92
24) 1,1-Dichloroethane	5.84	63	471304	49.720	ug/l	98
25) 2-Butanone	6.84	43	678237	307.590	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	350615	52.773	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	270990	50.068	ug/l	87
28) Bromochloromethane	7.19	49	265114	55.932	ug/l #	70
29) Tetrahydrofuran	7.22	42	379058	247.510	ug/l #	84
30) Chloroform	7.37	83	458262	50.699	ug/l	98
31) Cyclohexane	7.65	56	444717	51.552	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	381588	50.942	ug/l	95
36) 1,1-Dichloropropene	7.79	75	349852	52.471	ug/l	96
37) Ethyl Acetate	6.93	43	252352	51.611	ug/l	95
38) Carbon Tetrachloride	7.77	117	331473	51.185	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	397463	54.222	ug/l	89
40) Benzene	8.04	78	1017662	53.341	ug/l	100
41) Methacrylonitrile	7.18	41	141854	51.646	ug/l	90
42) 1,2-Dichloroethane	8.12	62	359201	52.730	ug/l	97
43) Isopropyl Acetate	8.17	43	443105	55.774	ug/l #	93
44) Trichloroethene	8.83	130	264116	53.330	ug/l	93
45) 1,2-Dichloropropane	9.12	63	281561	51.757	ug/l	100
46) Dibromomethane	9.21	93	163064	53.285	ug/l	88
47) Bromodichloromethane	9.40	83	352921	55.490	ug/l	97
48) Methyl methacrylate	9.20	41	219241	50.908	ug/l	90
49) 1,4-Dioxane	9.20	88	49386	1155.731	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1248024	279.405	ug/l	93
52) Toluene	10.15	92	611405	53.857	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	339516	56.750	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	408771	57.198	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	220522	52.241	ug/l	95
56) Ethyl methacrylate	10.43	69	294824	53.242	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	396228	54.598	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	518913	218.892	ug/l	90
59) 2-Hexanone	10.75	43	857883	300.020	ug/l	91
60) Dibromochloromethane	10.90	129	243453	56.935	ug/l	99
61) 1,2-Dibromoethane	11.00	107	218783	54.234	ug/l	99
64) Tetrachloroethene	10.63	164	256716	52.746	ug/l	96
65) Chlorobenzene	11.43	112	643402	51.813	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	246558	53.047	ug/l	99
67) Ethyl Benzene	11.51	91	1181522	52.727	ug/l	97
68) m/p-Xylenes	11.62	106	881733	106.328	ug/l	95
69) o-Xylene	11.95	106	420879	51.758	ug/l	94
70) Styrene	11.96	104	718525	55.263	ug/l	97
71) Bromoform	12.13	173	150646	55.325	ug/l #	100
73) Isopropylbenzene	12.25	105	1139353	47.720	ug/l	97
74) N-amyl acetate	12.07	43	365900	49.192	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	270233	51.391	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	224737m	44.287	ug/l	
77) Bromobenzene	12.53	156	278986	48.416	ug/l	85
78) n-propylbenzene	12.59	91	1316402	50.164	ug/l	95
79) 2-Chlorotoluene	12.67	91	778066	47.925	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	958771	48.940	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	65325	50.073	ug/l #	83
82) 4-Chlorotoluene	12.77	91	786197	49.857	ug/l	95
83) tert-Butylbenzene	12.99	119	806732	53.284	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	943553	50.554	ug/l	97
85) sec-Butylbenzene	13.17	105	1069426	50.251	ug/l	97
86) p-Isopropyltoluene	13.29	119	957702	51.022	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	490199	50.811	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	478931	50.615	ug/l	98
89) n-Butylbenzene	13.61	91	823106	53.747	ug/l	97
90) Hexachloroethane	13.87	117	159860	50.162	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	477469	49.039	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42242	51.754	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	254239	54.162	ug/l	98
94) Hexachlorobutadiene	15.01	225	160685	58.144	ug/l	99
95) Naphthalene	15.13	128	514400	48.861	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	243818	51.432	ug/l	98

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

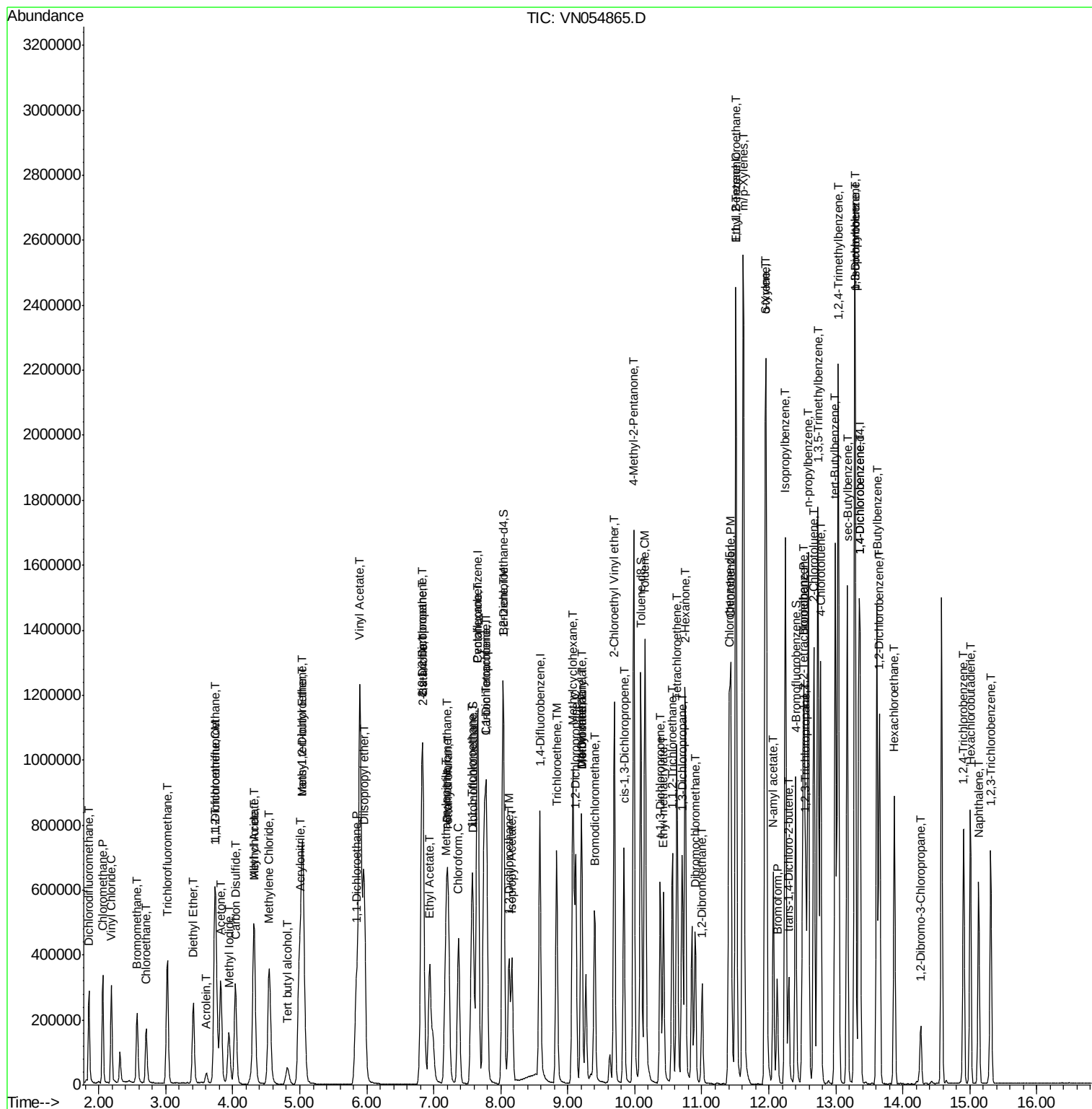
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040119\
Data File : VN054865.D
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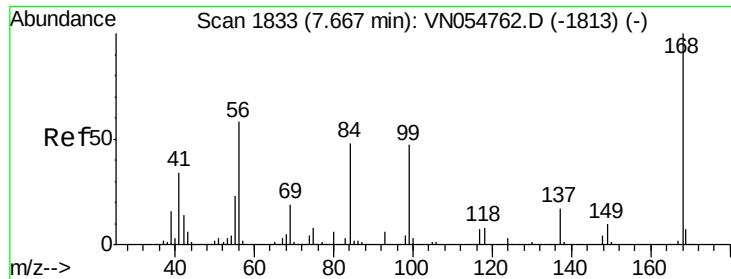
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 464041

Ion Ratio Lower Upper

168 100

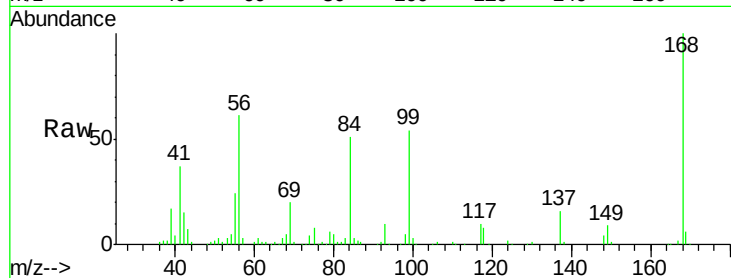
99 53.8 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

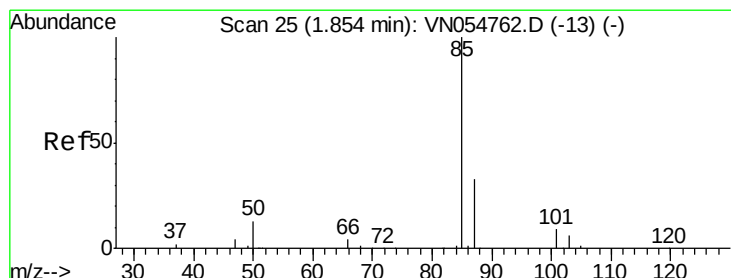
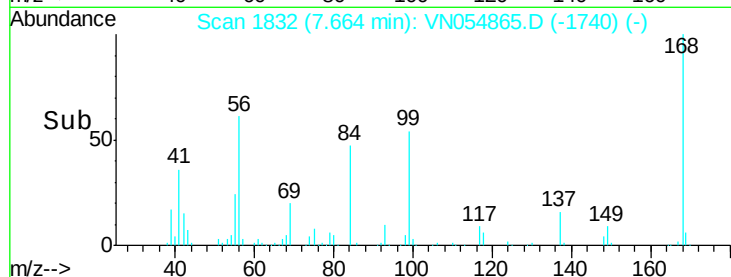
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 47.022 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054865.D

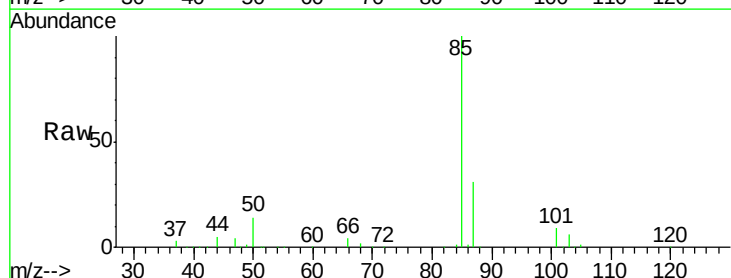
Acq: 1 Apr 2019 10:08

Tgt Ion: 85 Resp: 220710

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

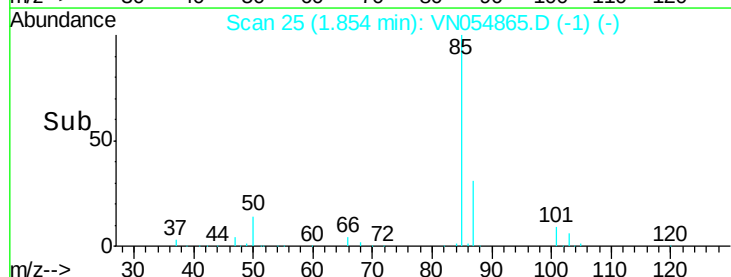
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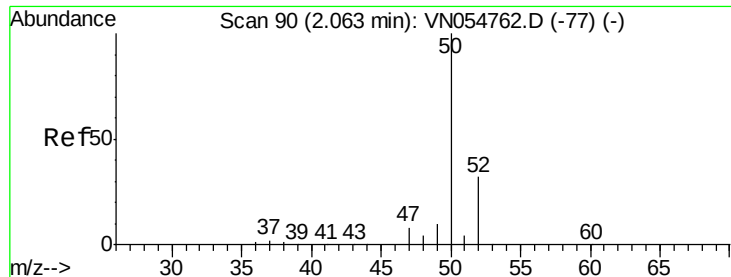
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 46.036 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 298774

Ion Ratio Lower Upper

50 100

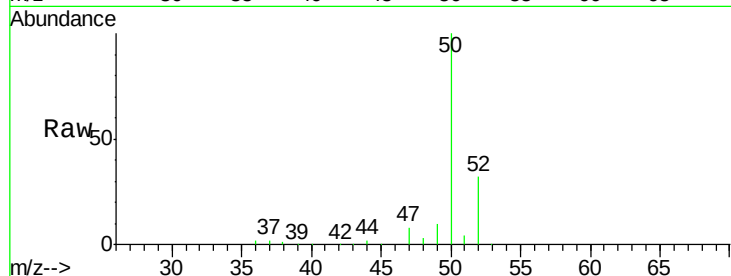
52 32.1 26.4 39.6

Manual Integrations

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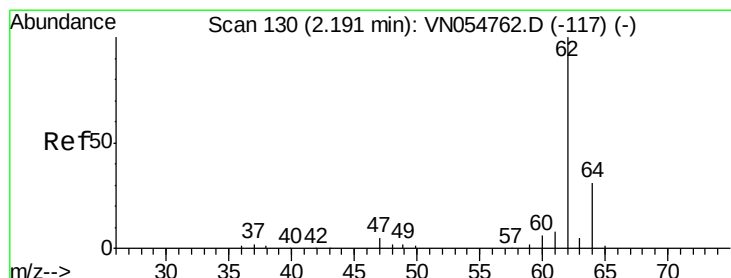
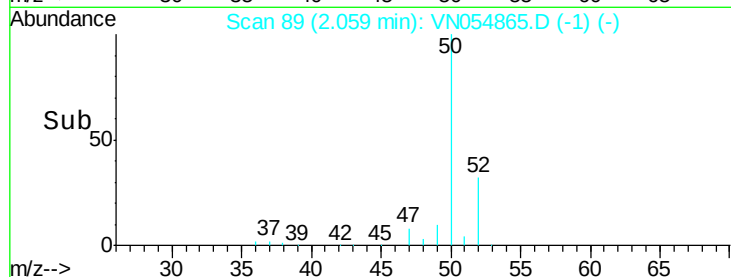
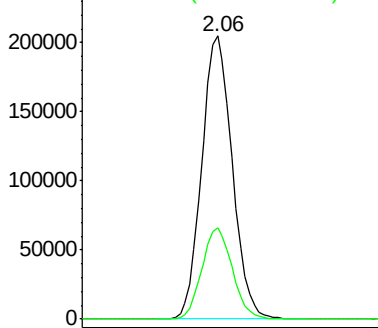
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.355 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054865.D

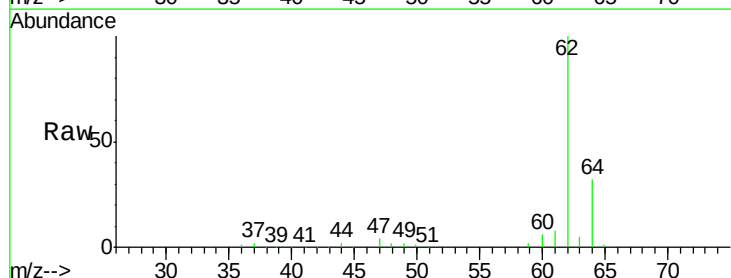
Acq: 1 Apr 2019 10:08

Tgt Ion: 62 Resp: 275994

Ion Ratio Lower Upper

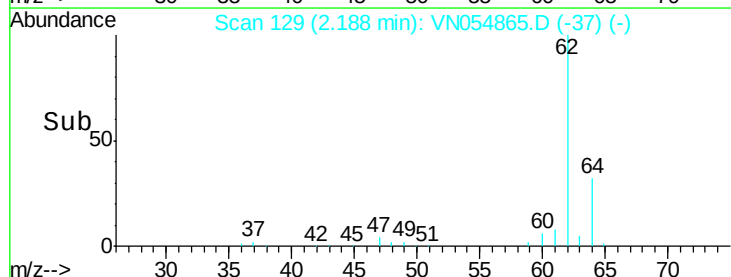
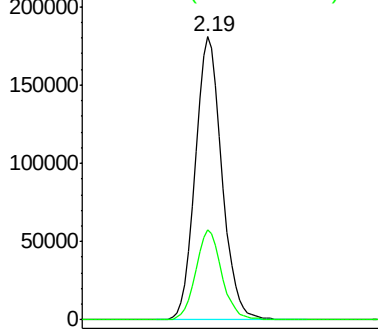
62 100

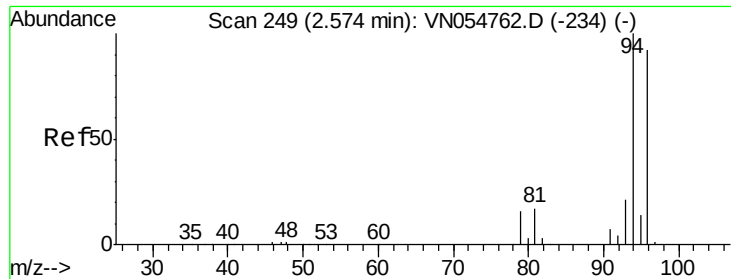
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 46.908 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 143758

Ion Ratio Lower Upper

94 100

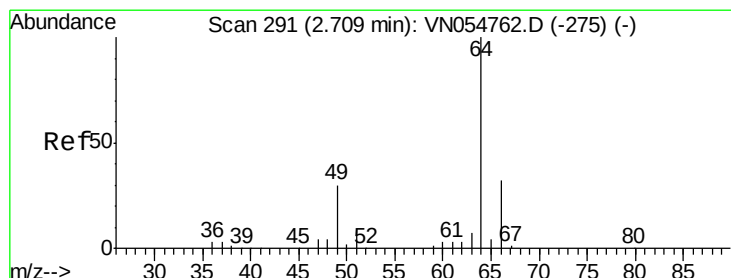
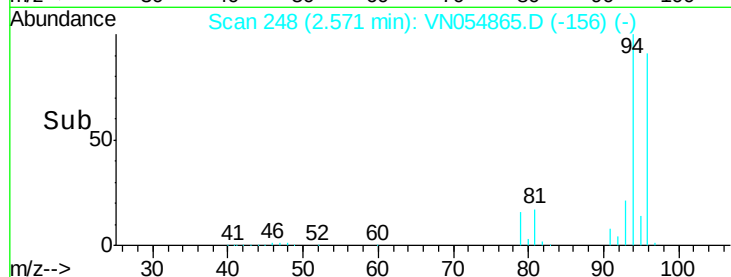
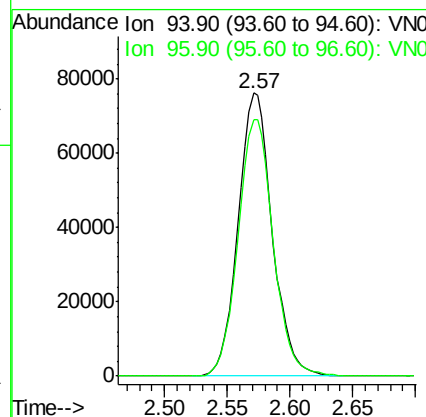
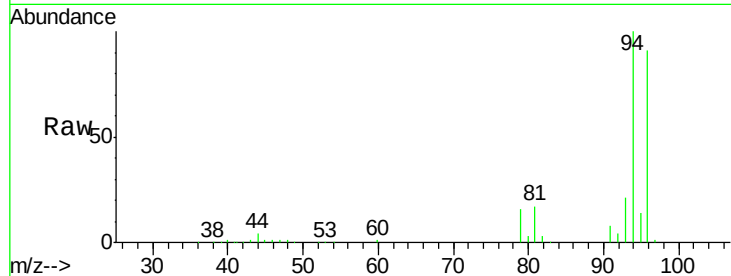
96 90.5 77.0 115.4

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#6

Chloroethane

Concen: 46.981 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054865.D

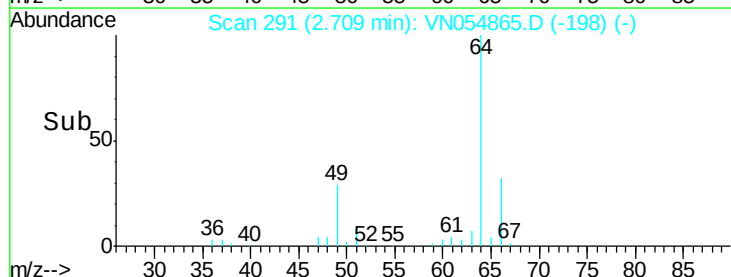
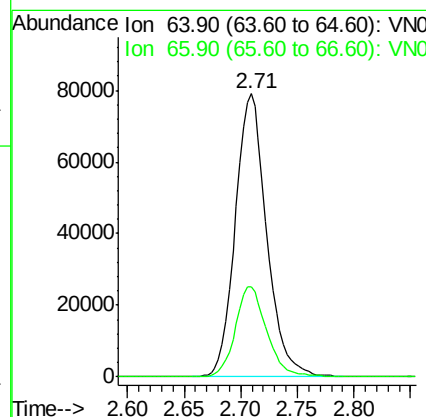
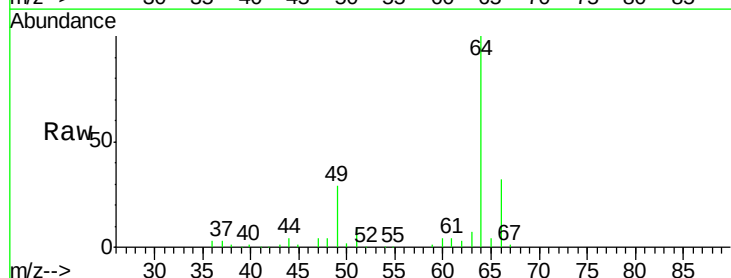
Acq: 1 Apr 2019 10:08

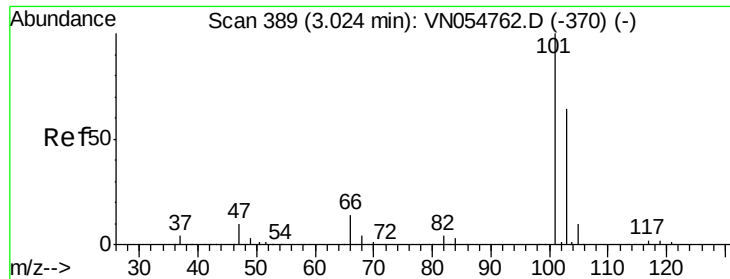
Tgt Ion: 64 Resp: 152897

Ion Ratio Lower Upper

64 100

66 31.9 25.7 38.5





#7

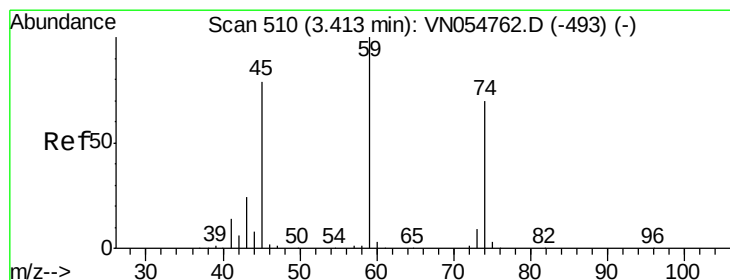
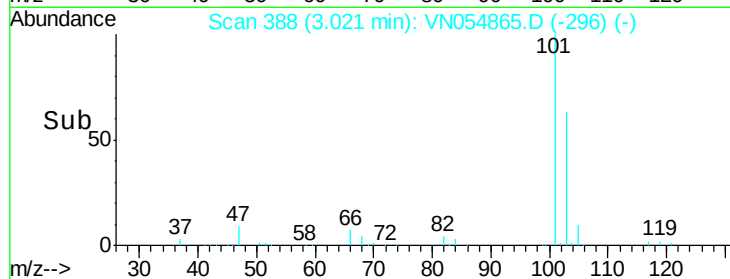
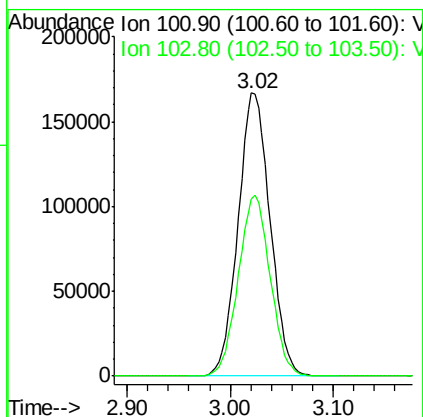
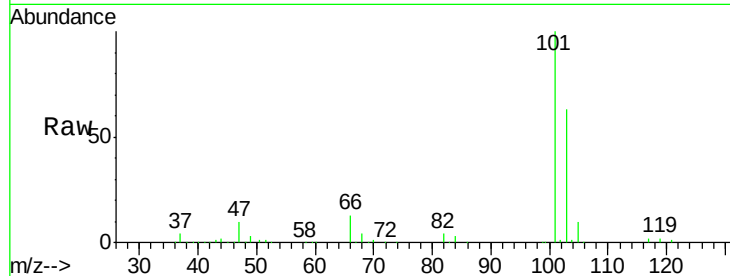
Trichlorofluoromethane
 Concen: 50.300 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.4	77.2

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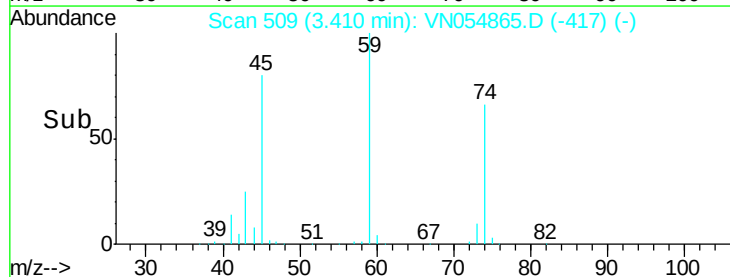
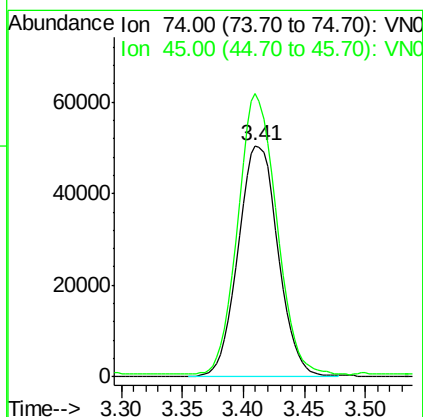
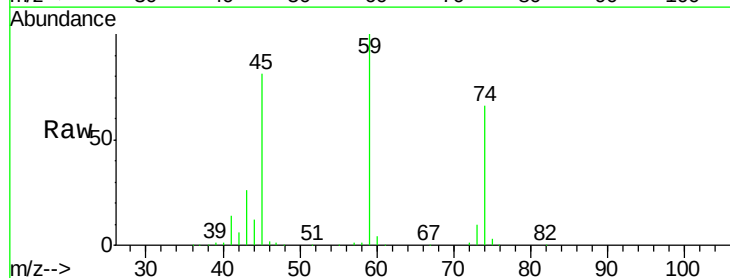
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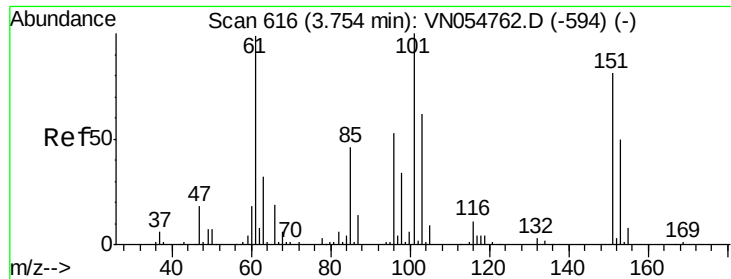


#8

Diethyl Ether
 Concen: 49.584 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.6	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.673 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

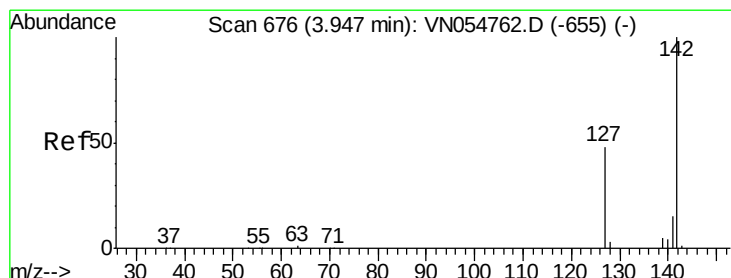
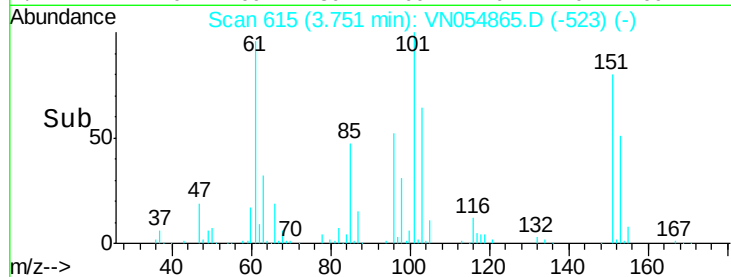
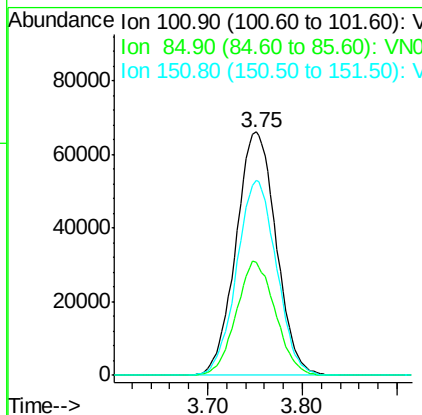
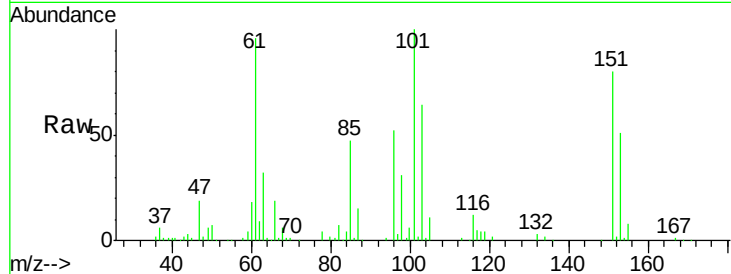
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	194912
Ion Ratio	Lower	Upper	
101	100		
85	45.6	32.4	48.6
151	79.3	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 47.169 ug/l

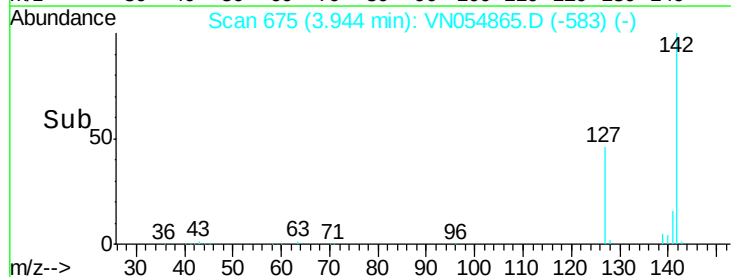
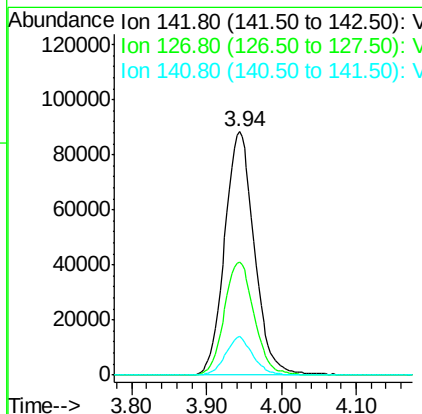
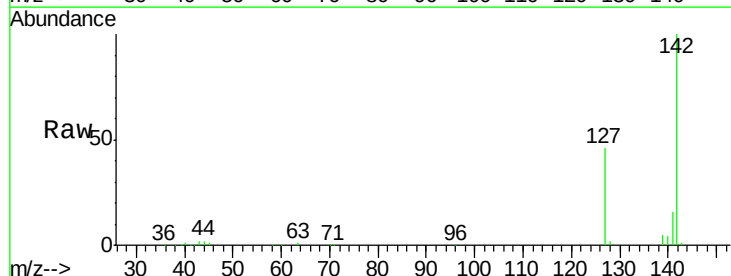
RT: 3.94 min Scan# 675

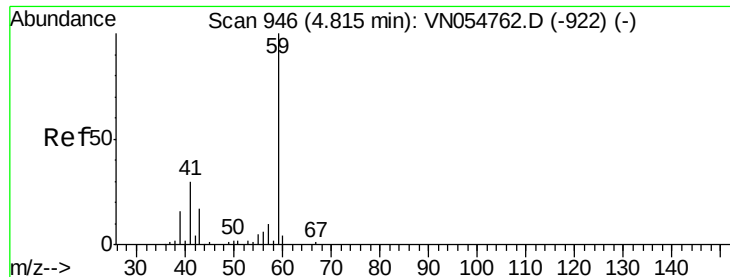
Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Tgt Ion:	142	Resp:	243569
Ion Ratio	Lower	Upper	
142	100		
127	46.7	30.3	45.5#
141	14.4	11.2	16.8





#11

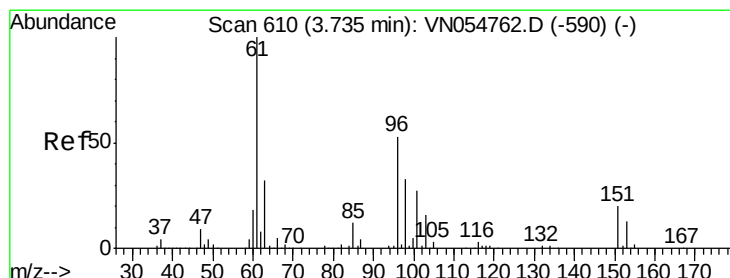
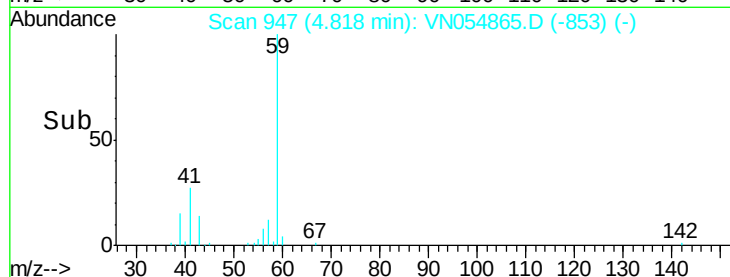
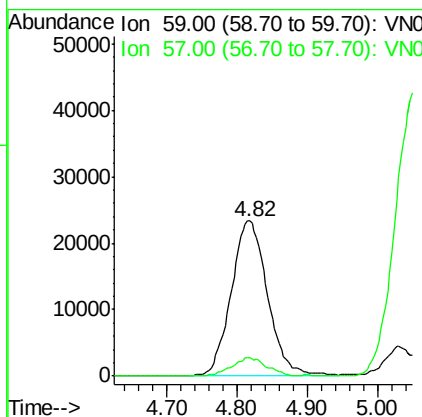
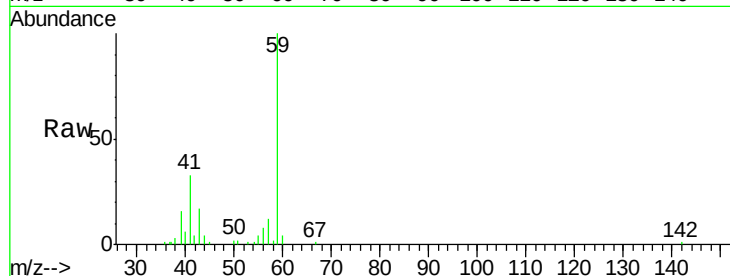
Tert butyl alcohol
Concen: 258.590 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	84279
Ion Ratio	100	Lower	Upper
57	11.2	9.0	13.6

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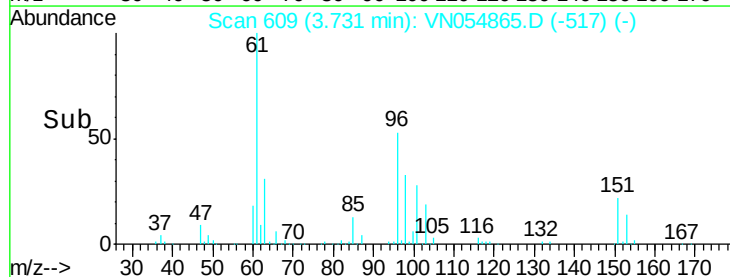
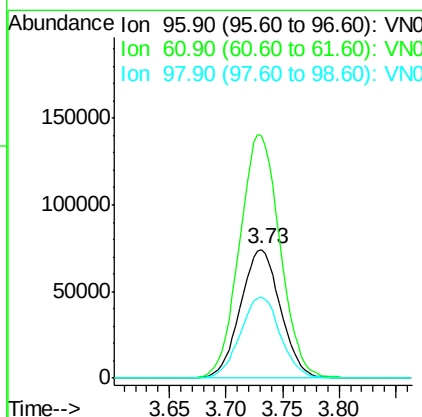
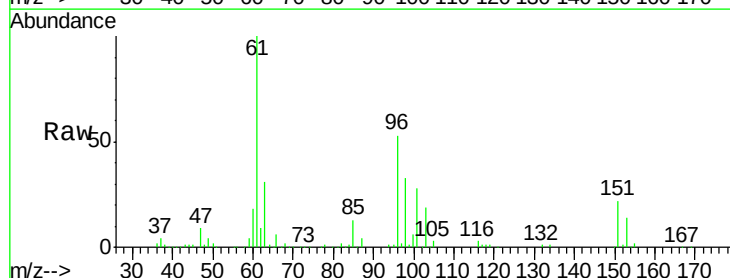
MMDadoda
4/2/2019 10:51:48 AM

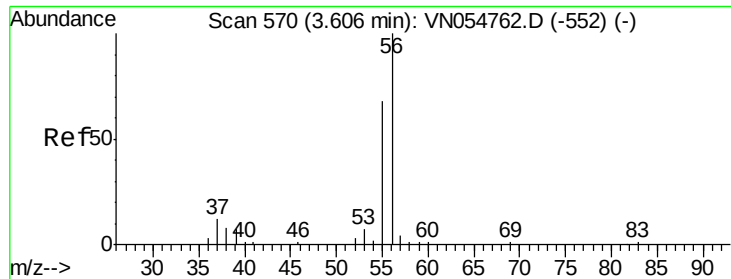


#12

1,1-Dichloroethene
Concen: 50.171 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion	96	Resp	183007
Ion Ratio	100	Lower	Upper
61	187.4	116.5	174.7#
98	62.7	51.0	76.4





#13

Acrolein

Concen: 113.366 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 33031

Ion Ratio Lower Upper

56 100

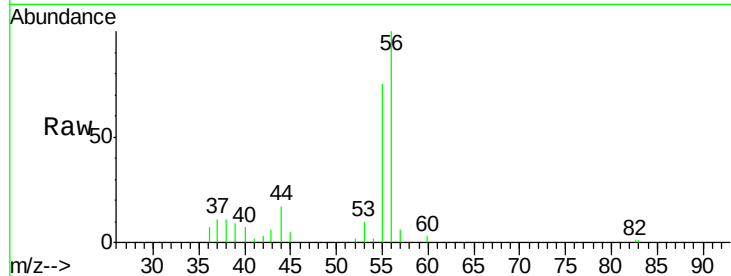
55 74.7 56.7 85.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

15000

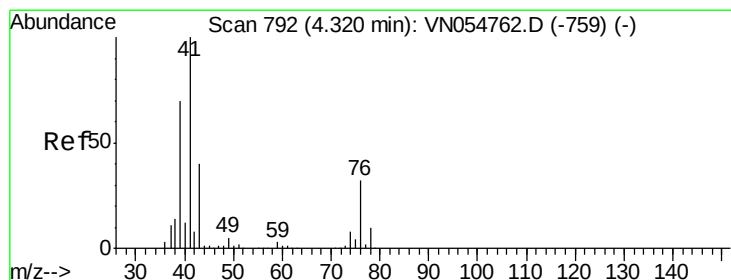
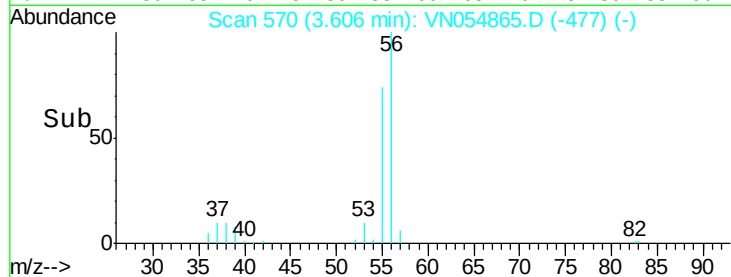
10000

5000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 48.712 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

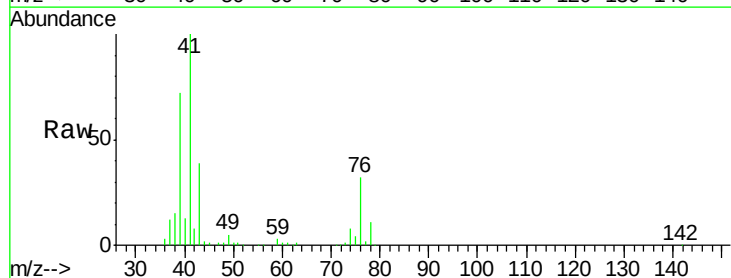
Tgt Ion: 41 Resp: 437662

Ion Ratio Lower Upper

41 100

39 70.3 58.2 87.4

76 29.5 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

200000

150000

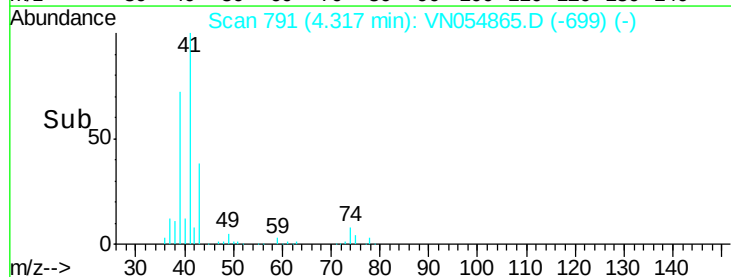
100000

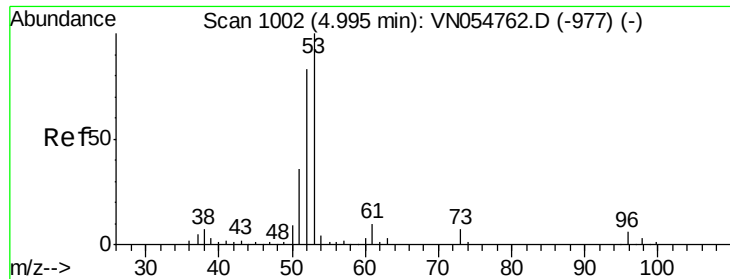
50000

0

Time-->

4.10 4.20 4.30 4.40 4.50





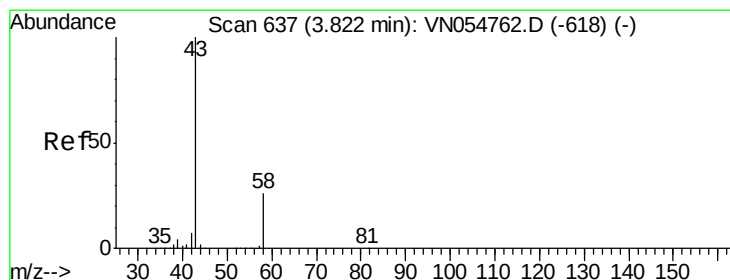
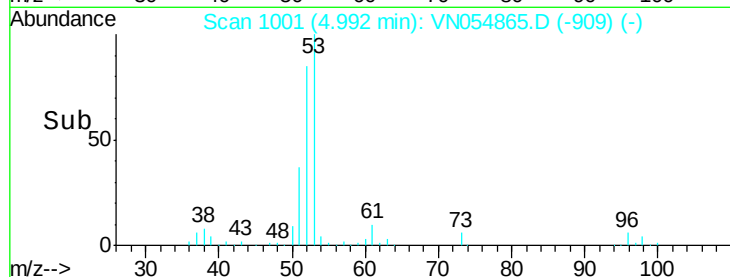
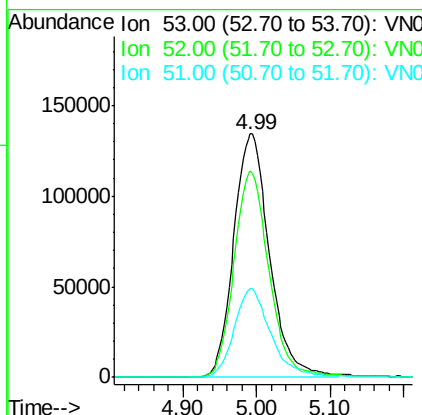
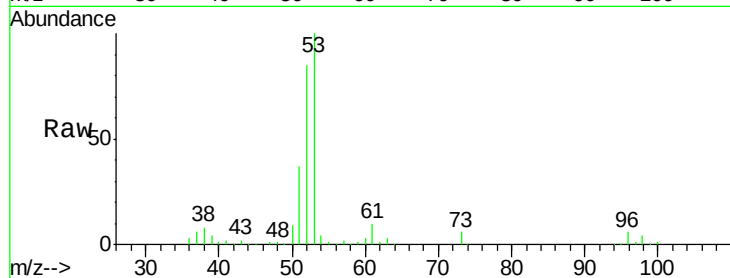
#15
 Acrylonitrile
 Concen: 251.038 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.4	99.6
51	37.2	29.6	44.4

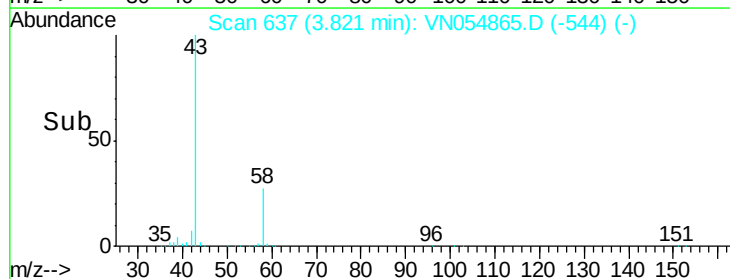
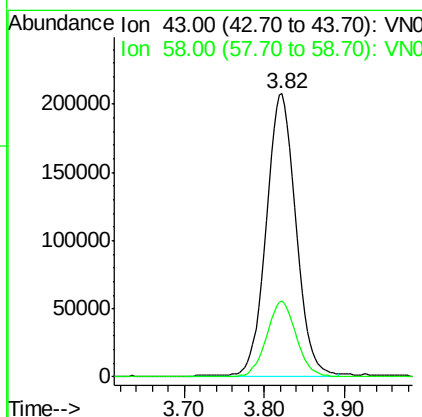
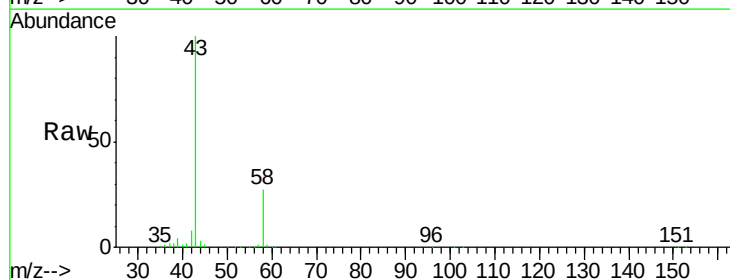
Manual Integrations
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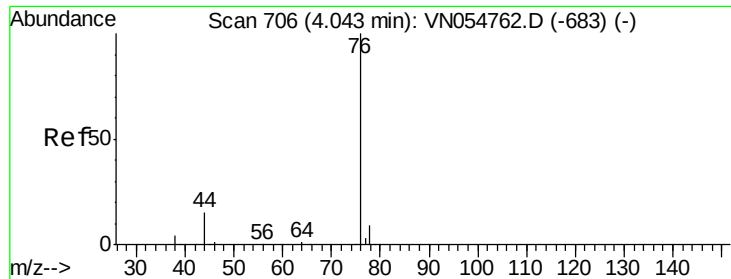
MMDadoda
 4/2/2019 10:51:48 AM



#16
 Acetone
 Concen: 357.343 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.0	29.9	44.9#





#17

Carbon Disulfide

Concen: 48.976 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 579427

Ion Ratio Lower Upper

76 100

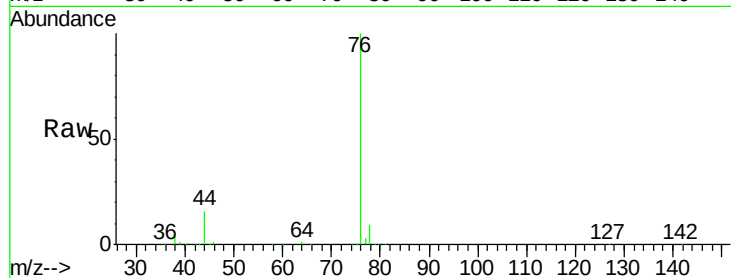
78 9.0 7.5 11.3

Manual Integrations

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MMDadoda

4/2/2019 10:51:48 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

250000

200000

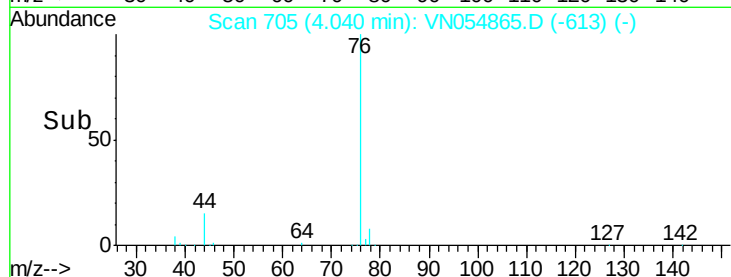
150000

100000

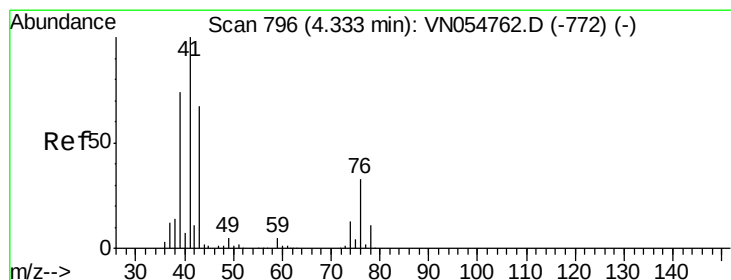
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 52.283 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054865.D

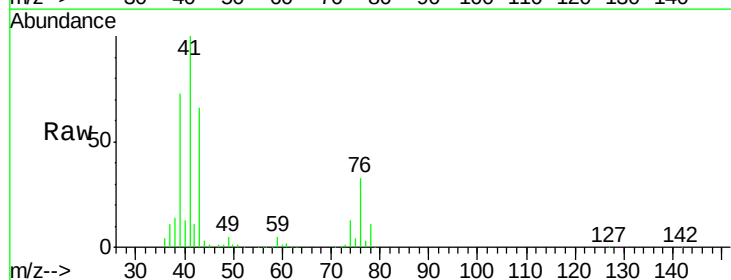
Acq: 1 Apr 2019 10:08

Tgt Ion: 43 Resp: 202976

Ion Ratio Lower Upper

43 100

74 20.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

80000

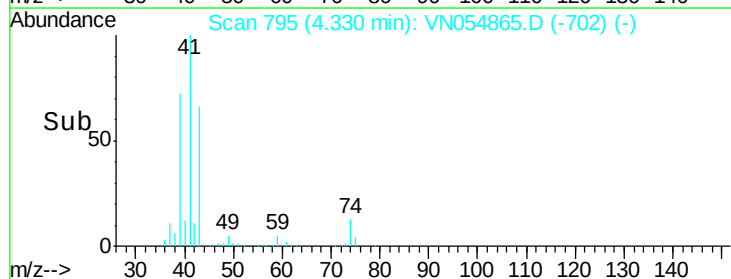
60000

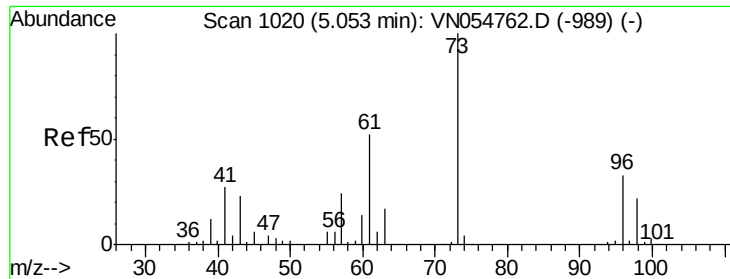
40000

20000

0

Time-->





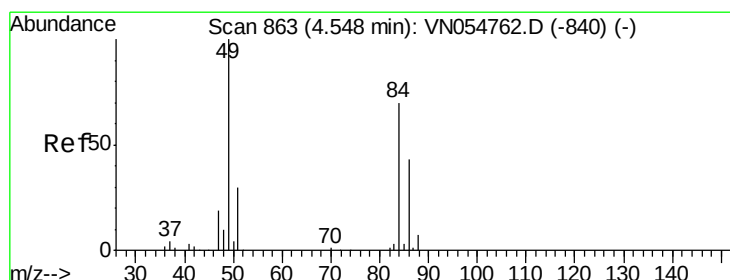
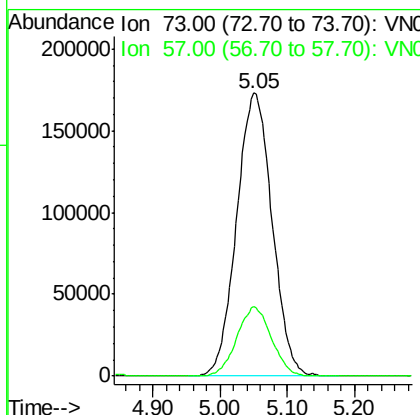
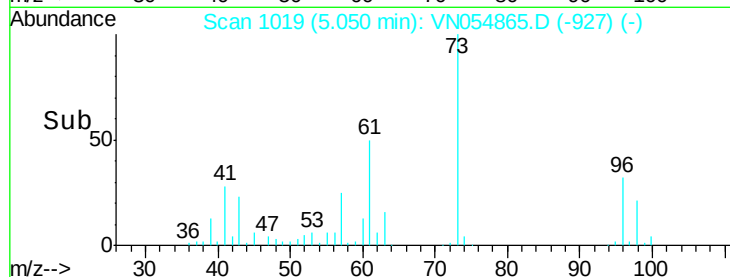
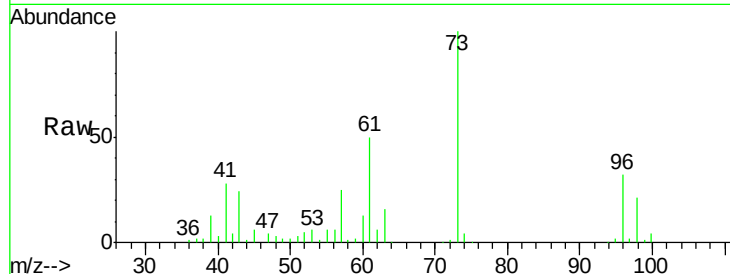
#19
Methyl tert-butyl Ether
Concen: 49.636 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 633321
Ion Ratio Lower Upper
73 100
57 24.6 16.8 25.2

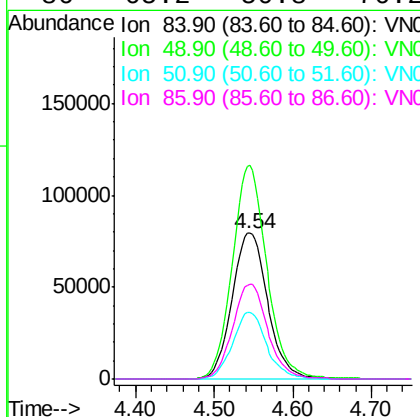
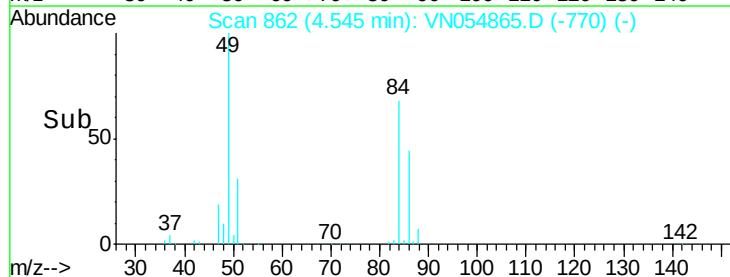
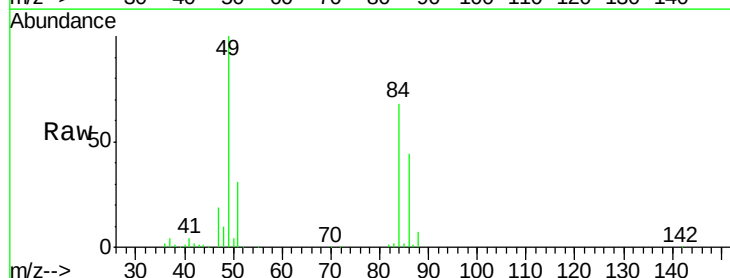
Manual Integrations
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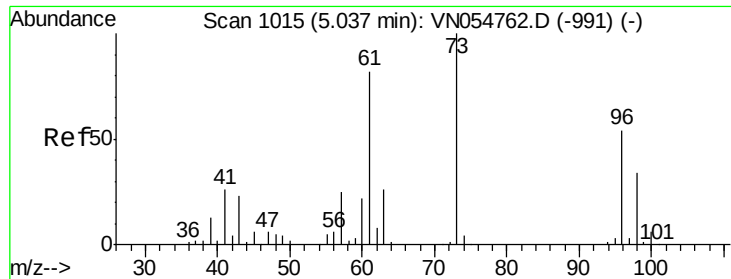
MMDadoda
4/2/2019 10:51:48 AM



#20
Methylene Chloride
Concen: 47.736 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion: 84 Resp: 251180
Ion Ratio Lower Upper
84 100
49 146.6 89.7 134.5#
51 46.1 28.2 42.4#
86 65.2 50.8 76.2





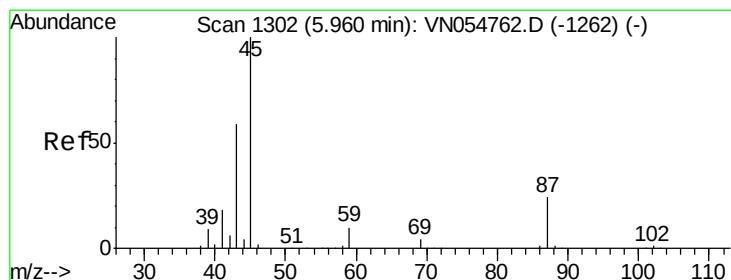
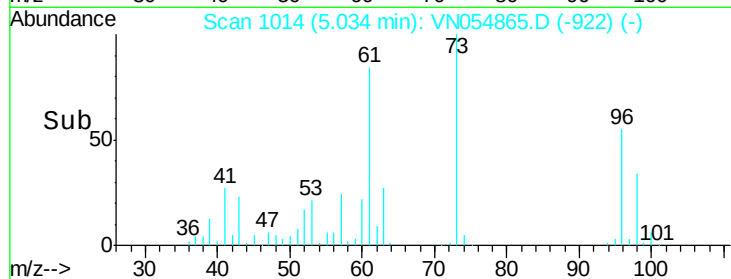
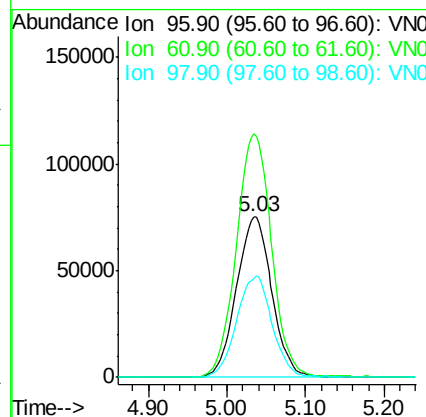
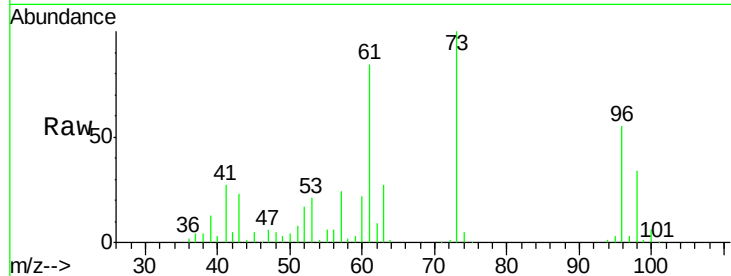
#21
trans-1,2-Dichloroethene
Concen: 49.249 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.2	102.8	154.2
98	61.2	50.0	75.0

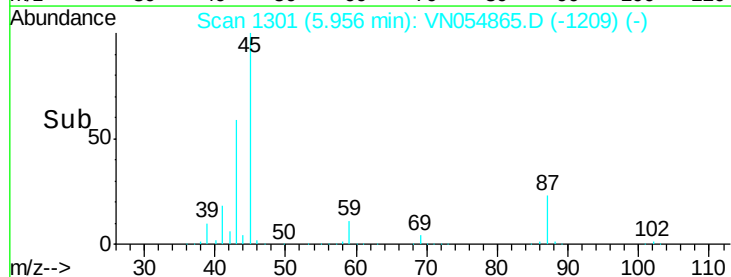
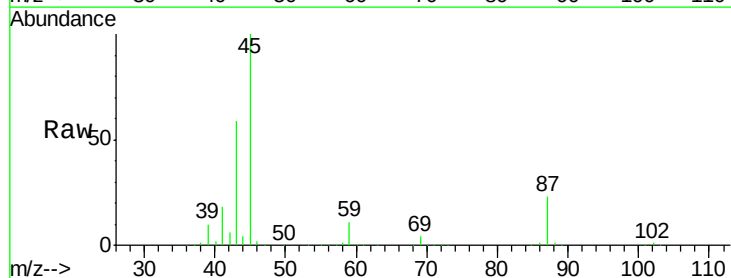
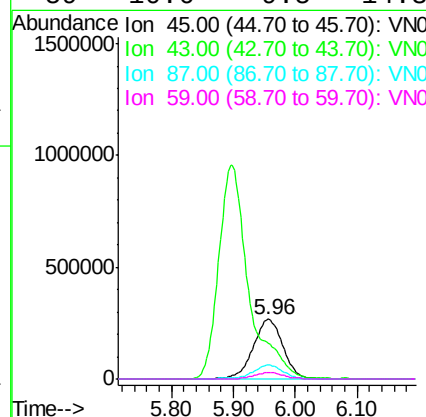
Manual Integrations
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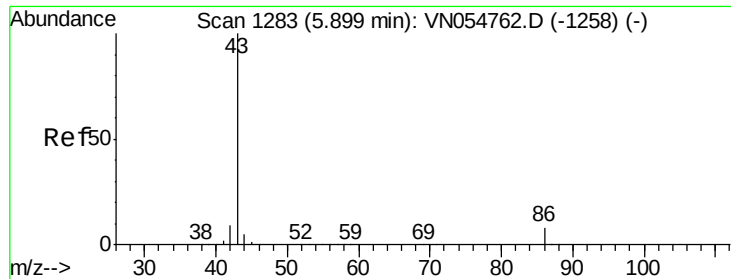
MMDadoda
4/2/2019 10:51:48 AM



#22
Diisopropyl ether
Concen: 50.461 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.4	48.2	72.2
87	22.9	24.9	37.3
59	10.6	9.5	14.3





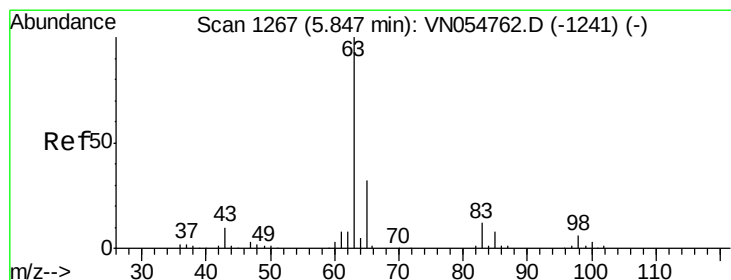
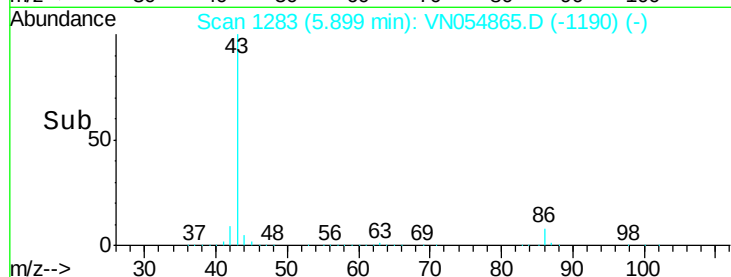
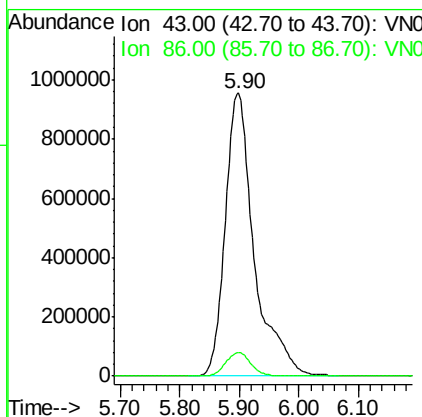
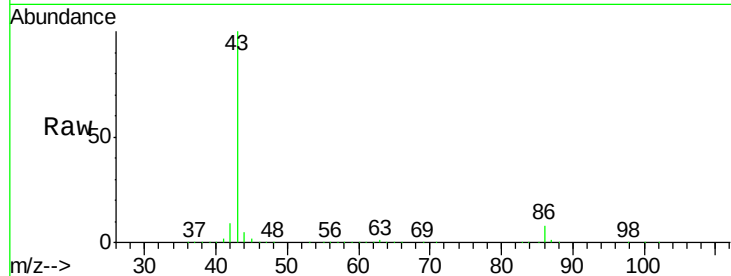
#23
 Vinyl Acetate
 Concen: 261.260 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 43 Resp: 3230804
 Ion Ratio Lower Upper
 43 100
 86 8.4 9.1 13.7#

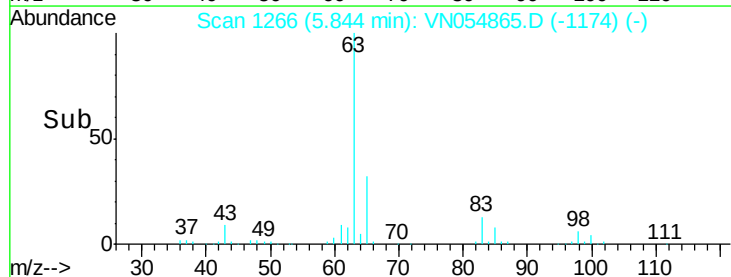
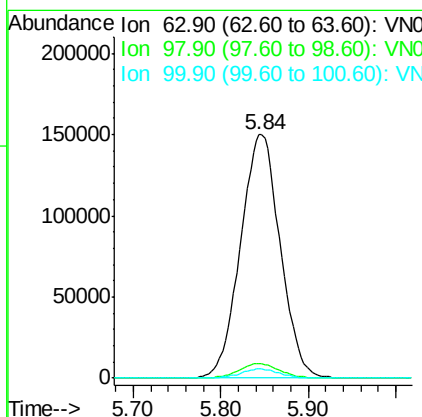
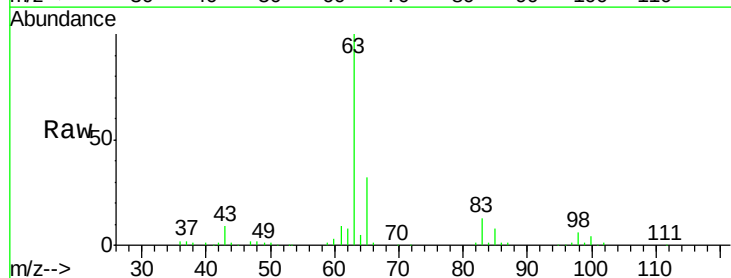
Manual Integrations
 APPROVED

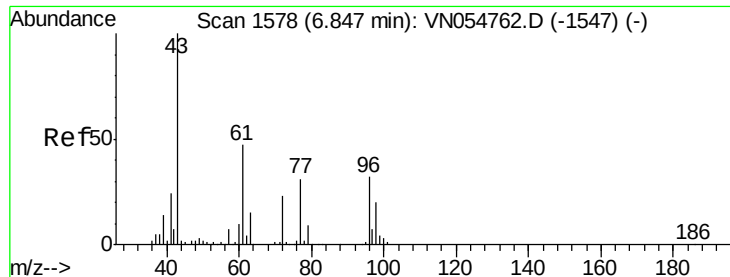
MMDadoda
 4/2/2019 10:51:48 AM



#24
 1,1-Dichloroethane
 Concen: 49.720 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion: 63 Resp: 471304
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.5 10.5
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 307.590 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 678237

Ion Ratio Lower Upper

43 100

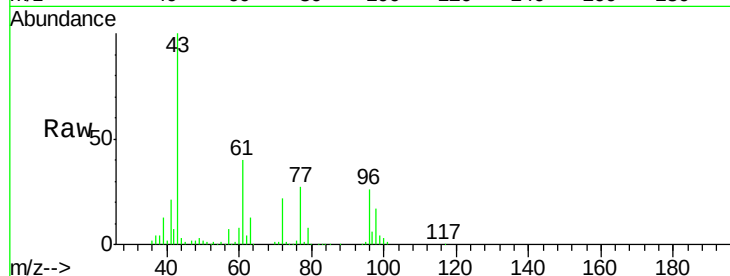
72 21.8 23.0 34.6#

Manual Integrations

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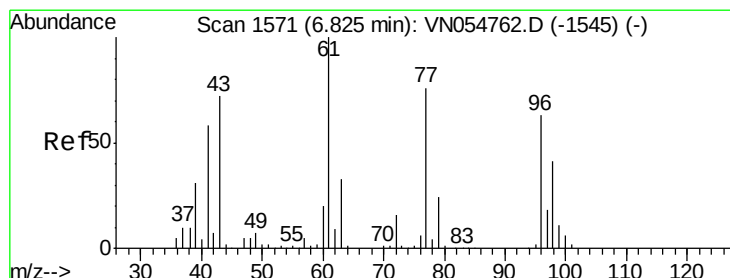
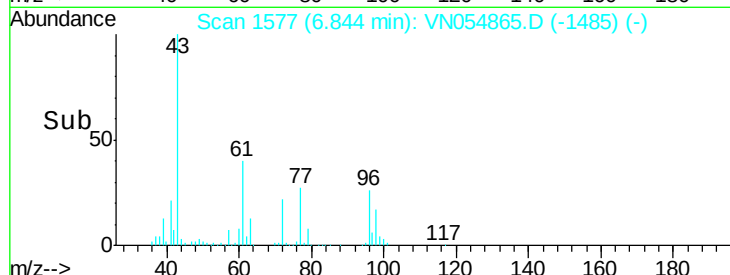
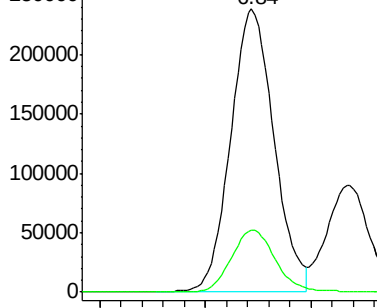
MMDadoda

4/2/2019 10:51:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 52.773 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054865.D

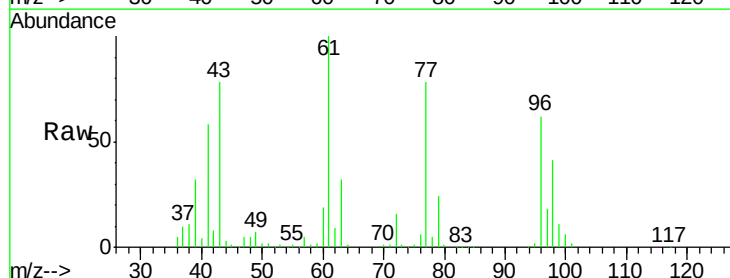
Acq: 1 Apr 2019 10:08

Tgt Ion: 77 Resp: 350615

Ion Ratio Lower Upper

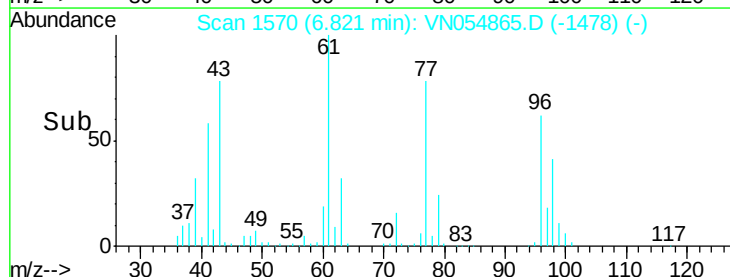
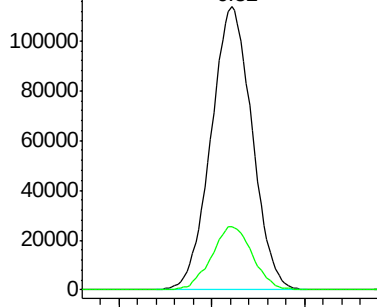
77 100

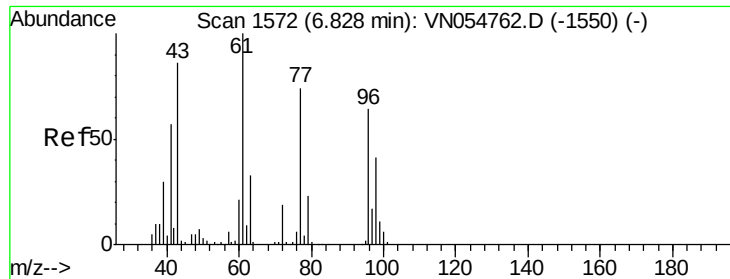
97 22.4 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.068 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 270990

Ion Ratio Lower Upper

96 100

61 158.8 0.0 273.0

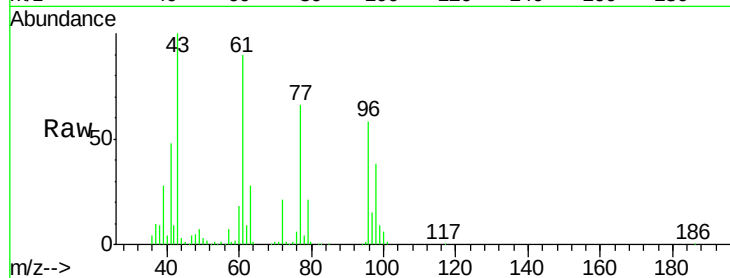
98 65.3 0.0 130.6

Manual Integrations

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MMDadoda

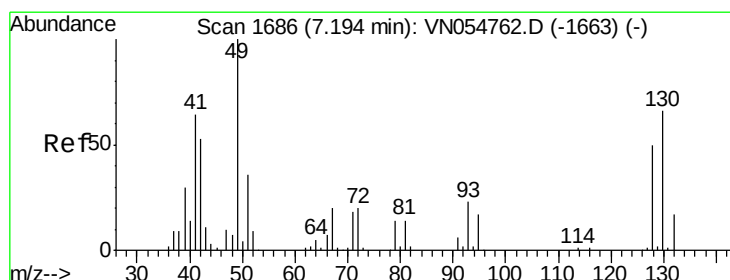
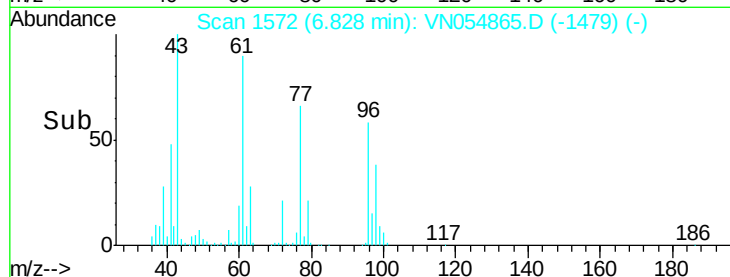
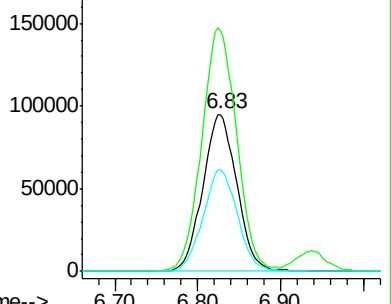
4/2/2019 10:51:48 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 55.932 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

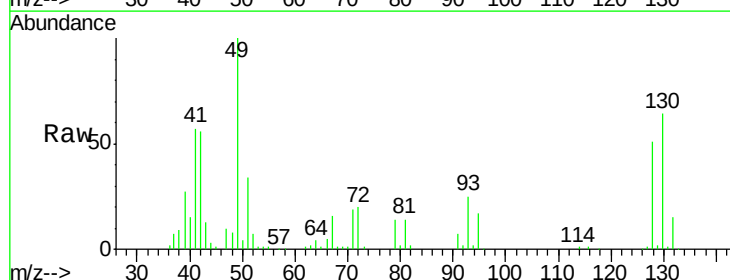
Tgt Ion: 49 Resp: 265114

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

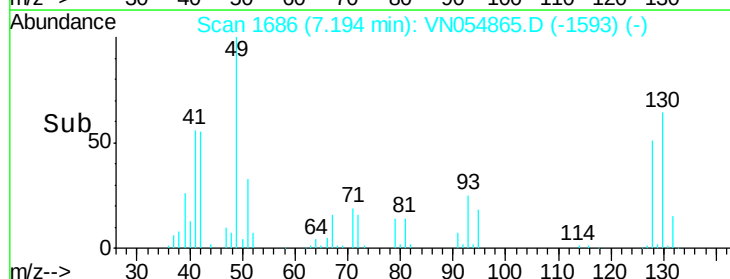
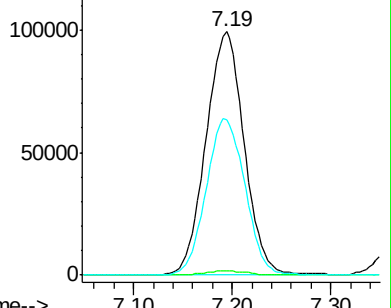
130 65.6 76.7 115.1#

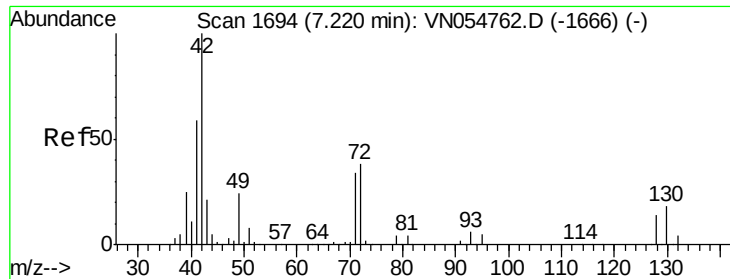


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





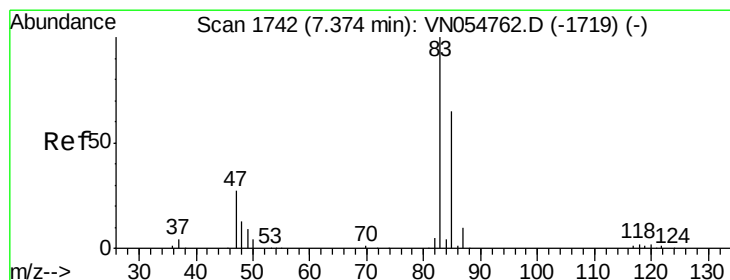
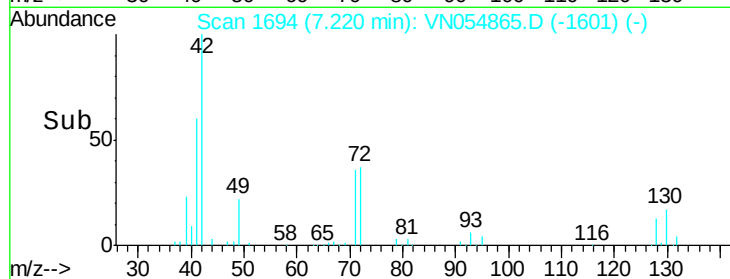
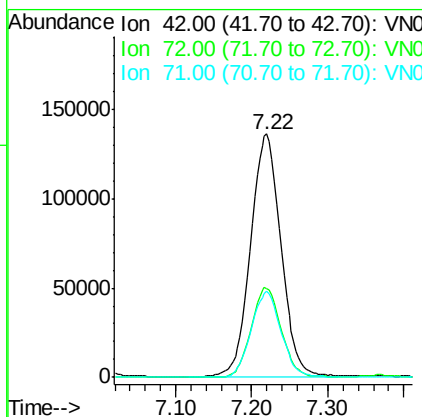
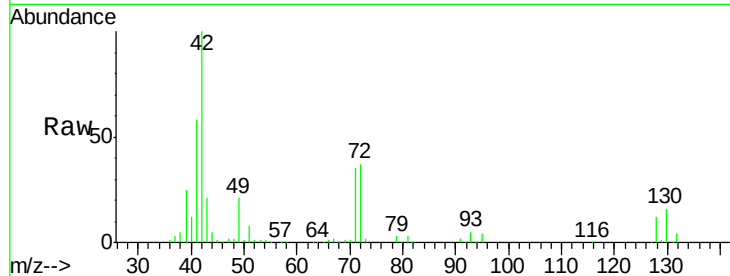
#29
Tetrahydrofuran
Concen: 247.510 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	37.8	56.6#
71	34.8	36.2	54.2#

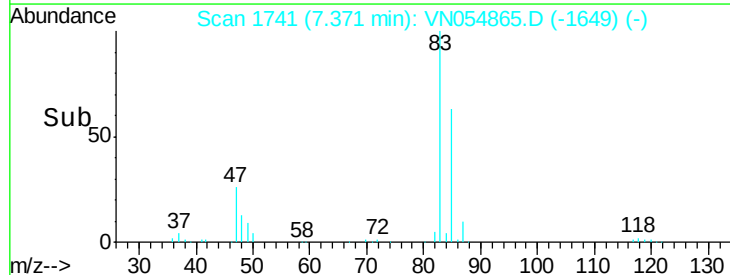
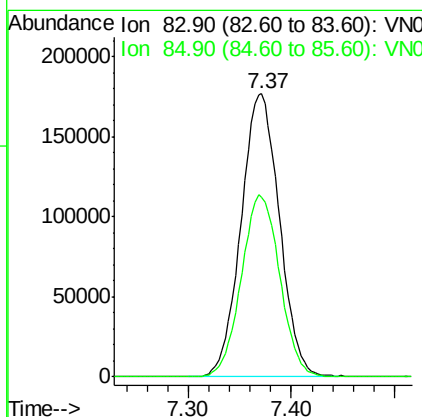
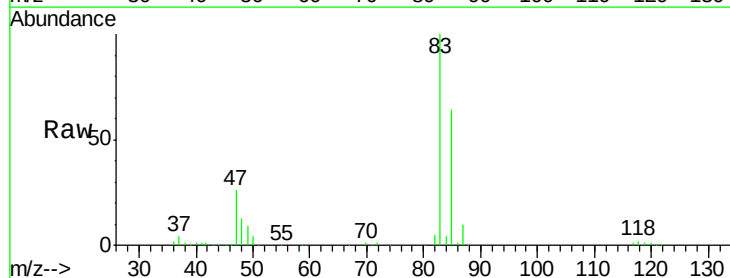
Manual Integrations
APPROVED

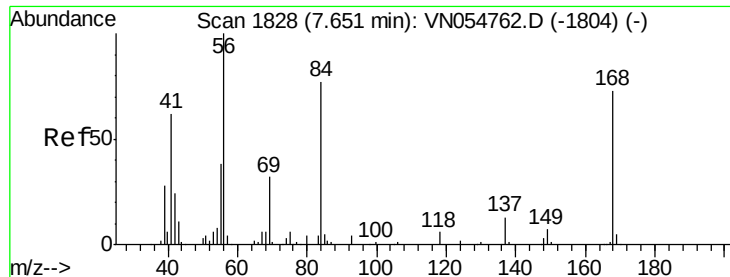
MMDadoda
4/2/2019 10:51:48 AM



#30
Chloroform
Concen: 50.699 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.2	78.4





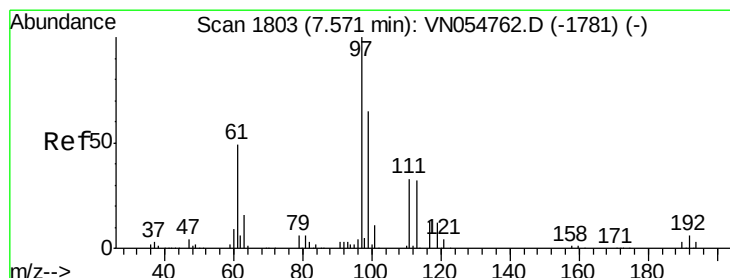
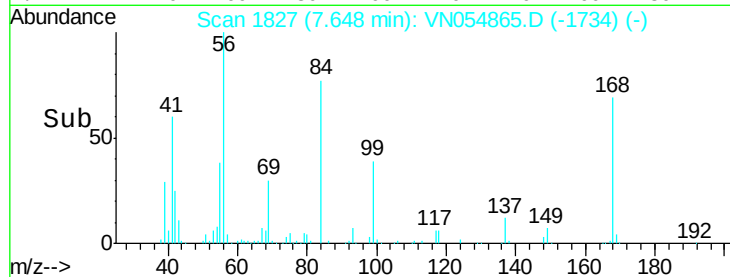
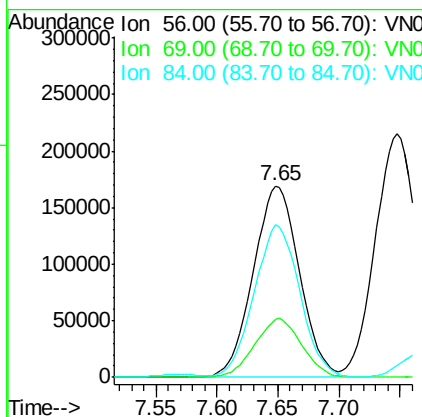
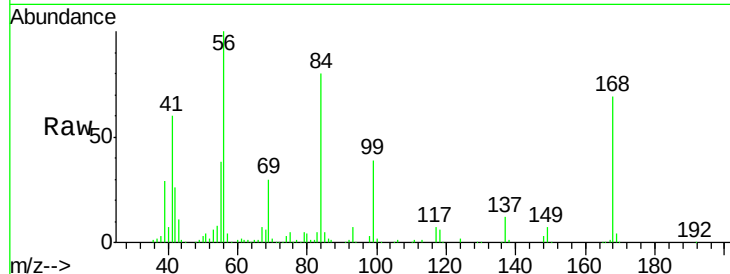
#31
Cyclohexane
Concen: 51.552 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	27.8	41.6
84	78.2	74.6	111.8

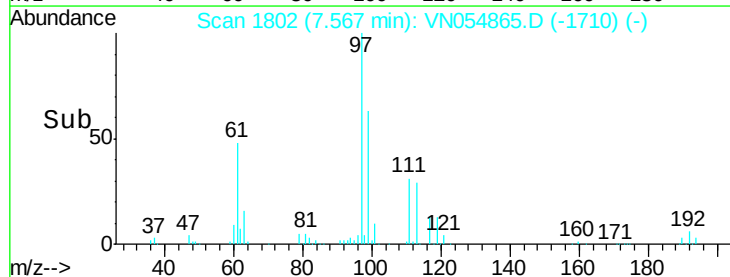
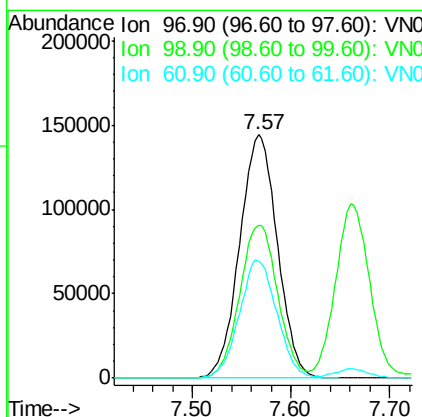
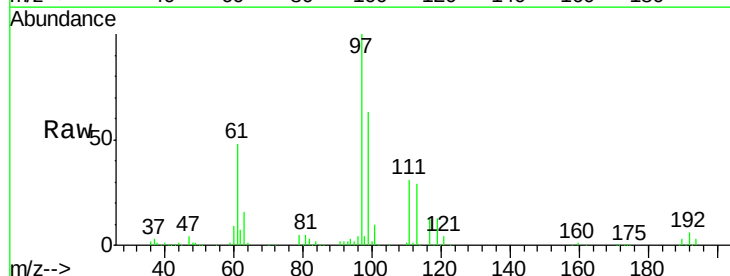
Manual Integrations
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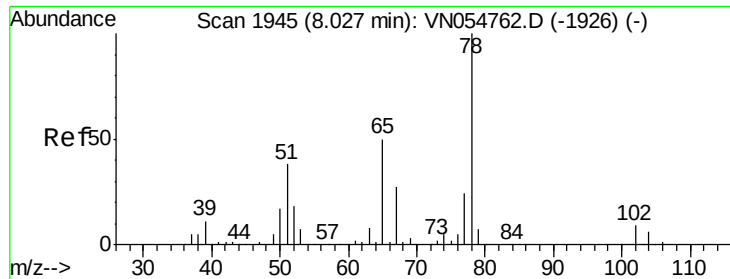
MMDadoda
4/2/2019 10:51:48 AM



#32
1,1,1-Trichloroethane
Concen: 50.942 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.5	77.3
61	48.2	33.6	50.4





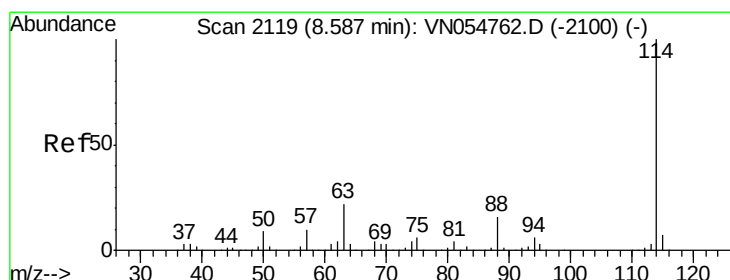
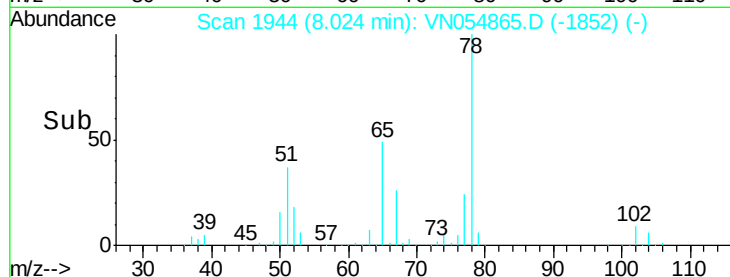
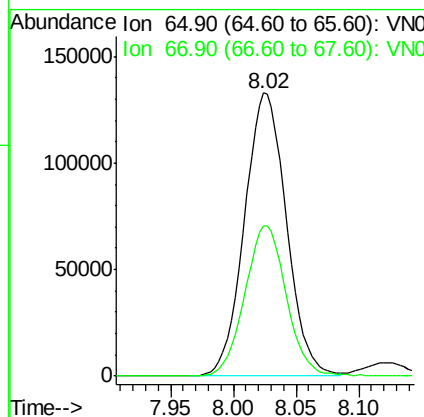
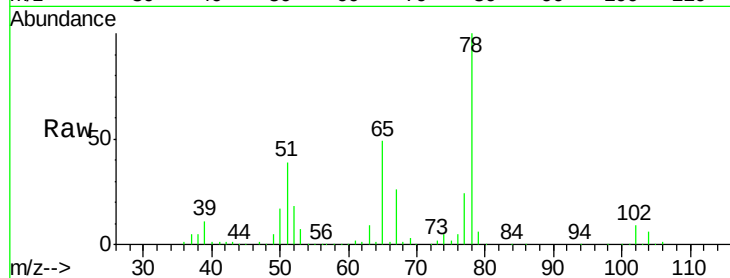
#33
 1,2-Dichloroethane-d4
 Concen: 49.404 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	309044		
67	52.5	0.0	104.6	

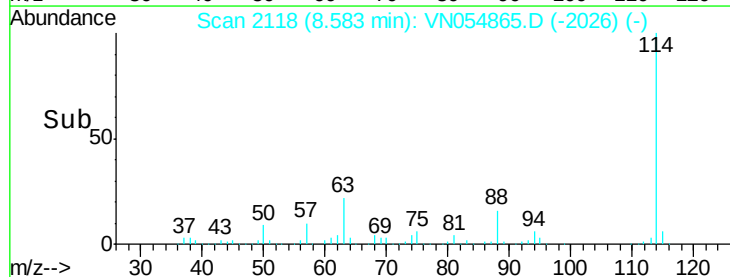
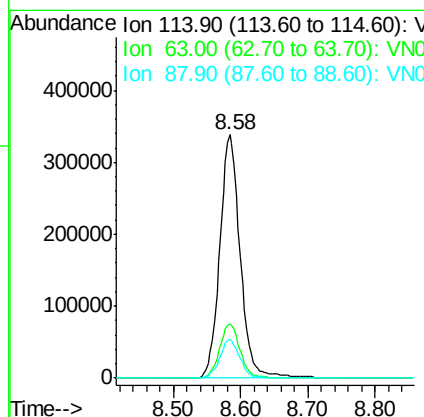
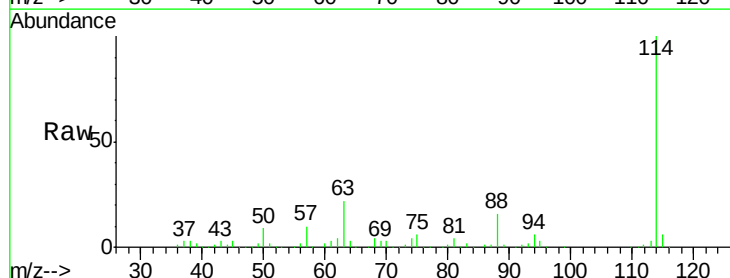
Manual Integrations
 APPROVED

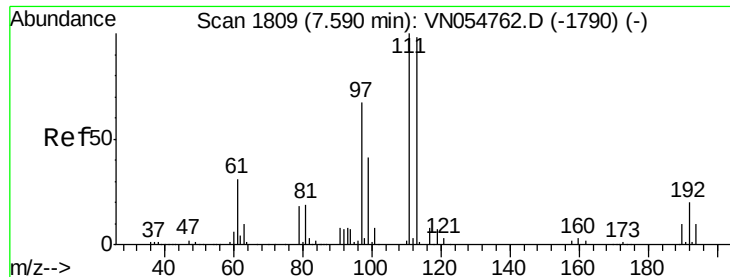
MMDadoda
 4/2/2019 10:51:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	715550		
63	22.4	0.0	35.2	
88	16.0	0.0	30.2	





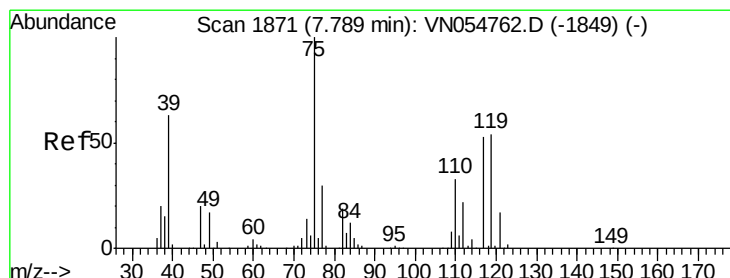
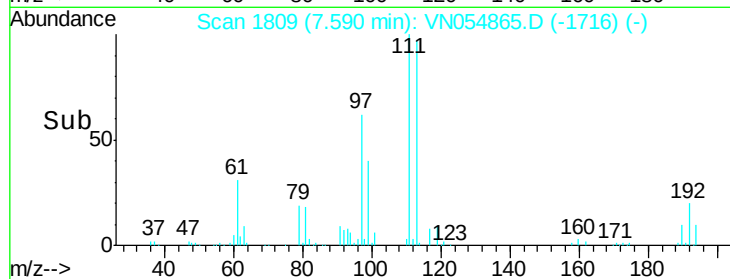
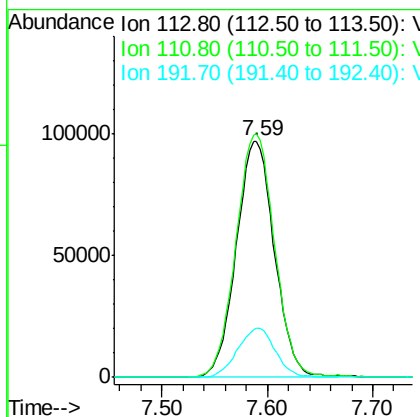
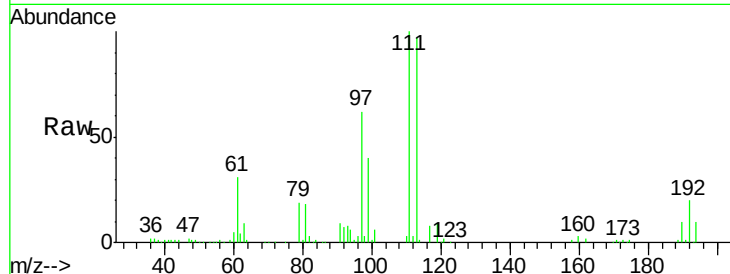
#35
 Dibromofluoromethane
 Concen: 51.067 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	243616		
111	104.5	82.2	123.4	
192	20.6	19.2	28.8	

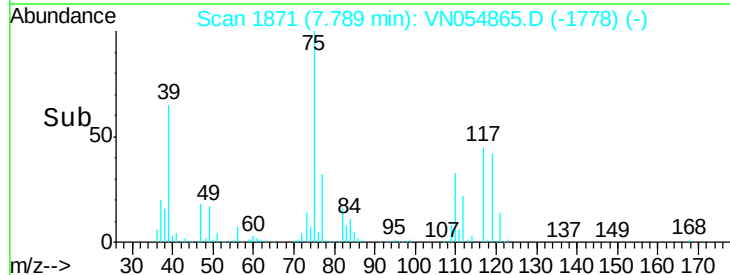
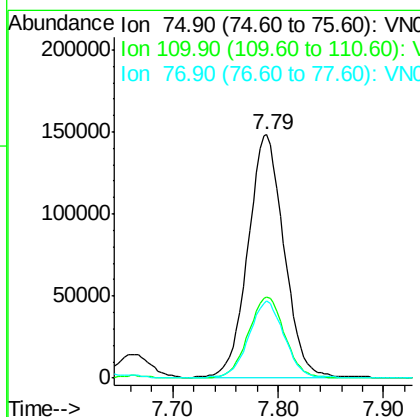
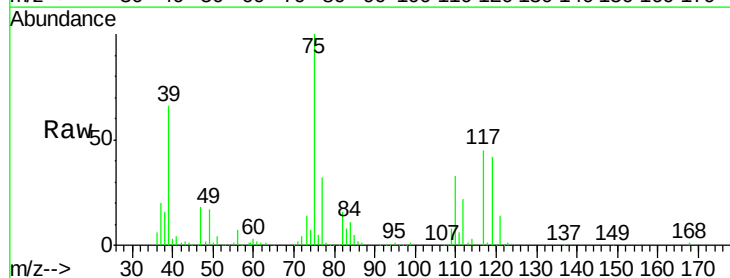
Manual Integrations
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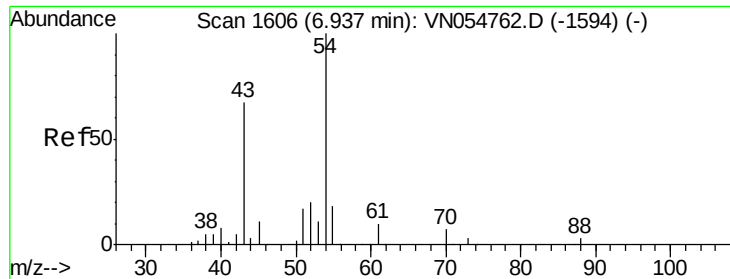
MMDadoda
 4/2/2019 10:51:48 AM



#36
 1,1-Dichloropropene
 Concen: 52.471 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	349852		
110	33.9	19.1	57.5	
77	31.7	25.0	37.4	





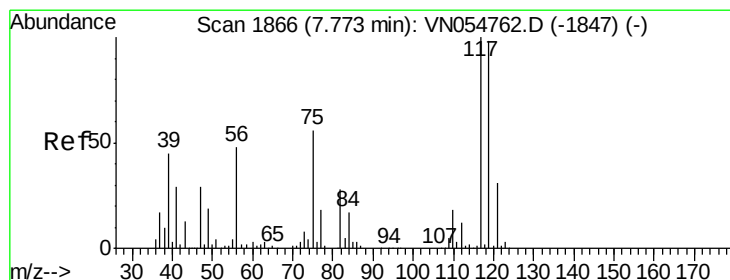
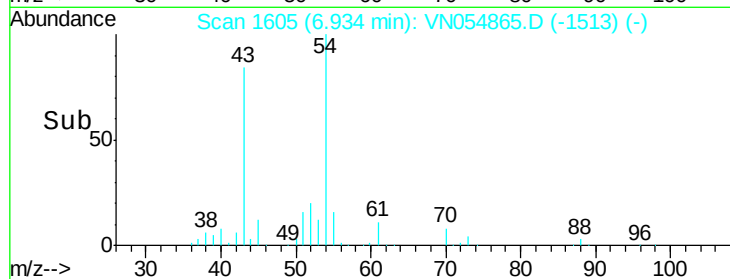
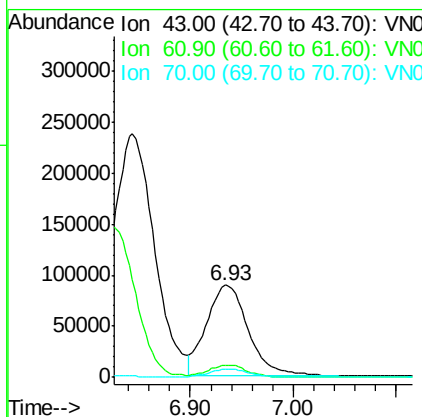
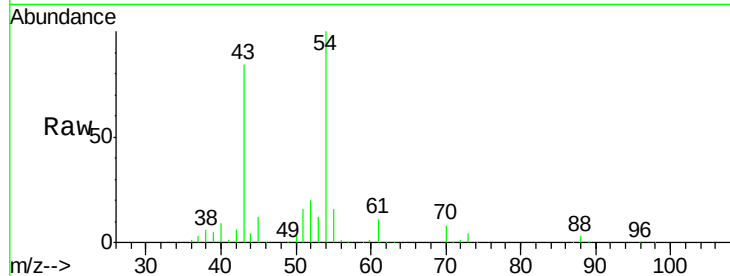
#37
Ethyl Acetate
Concen: 51.611 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	11.8	17.6
70	9.0	8.4	12.6

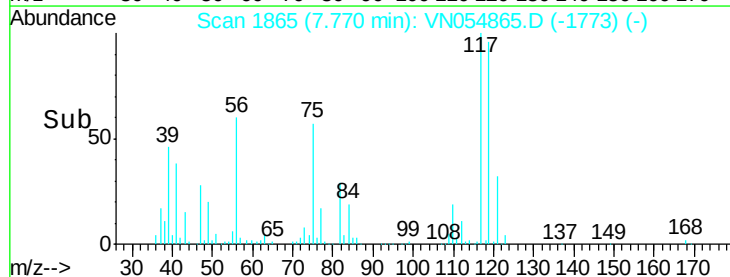
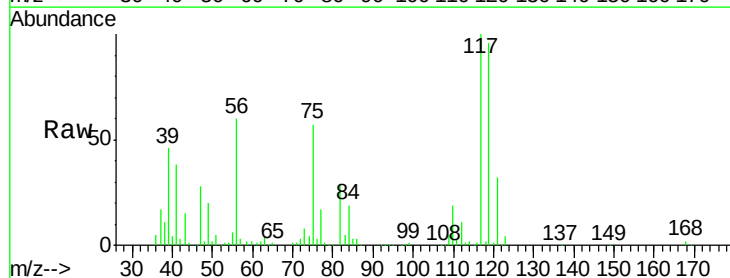
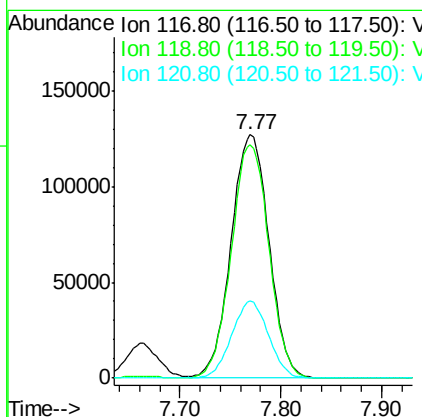
Manual Integrations
APPROVED

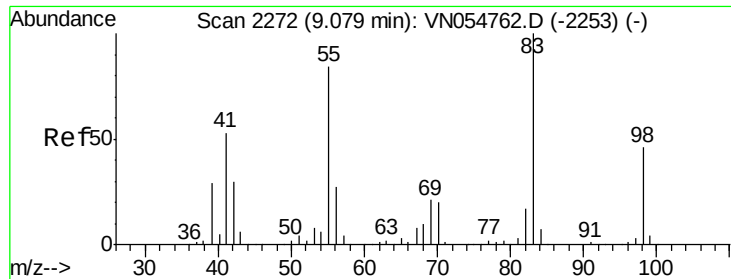
MMDadoda
4/2/2019 10:51:48 AM



#38
Carbon Tetrachloride
Concen: 51.185 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.3	114.5
121	31.8	24.6	36.8





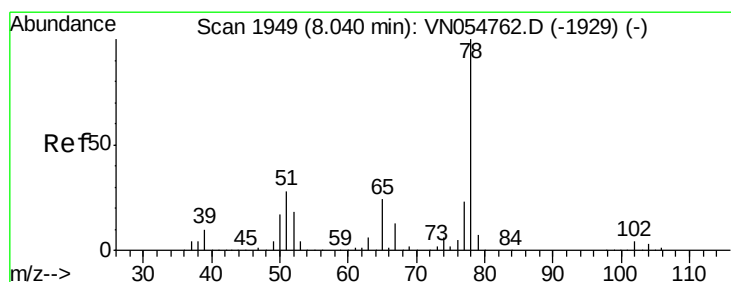
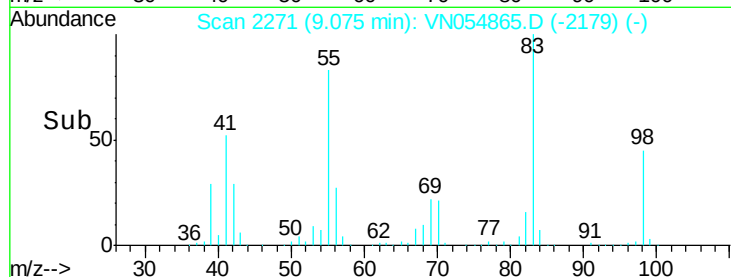
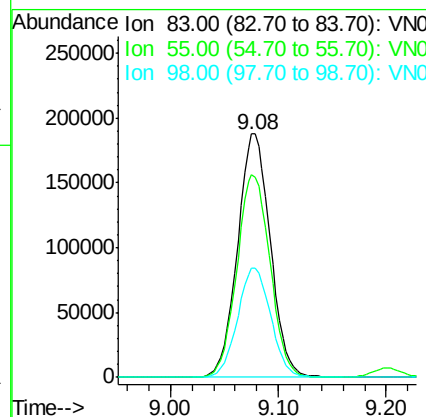
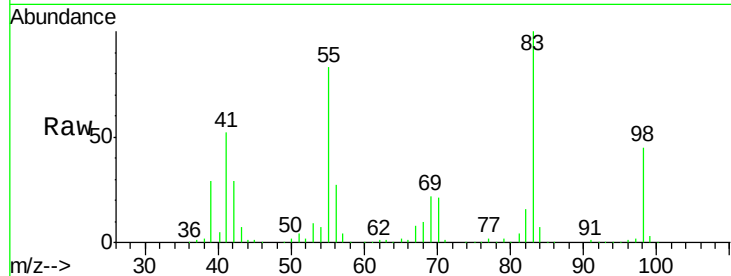
#39
Methylvlcyclohexane
Concen: 54.222 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.1	56.6	84.8
98	44.7	38.4	57.6

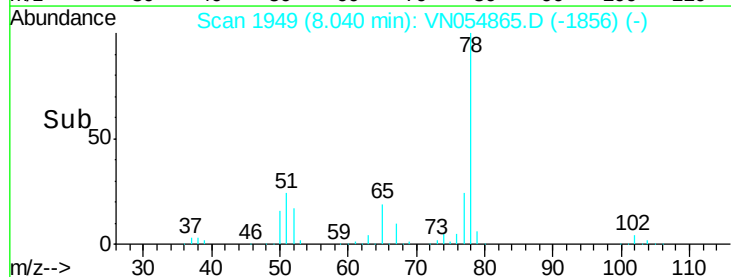
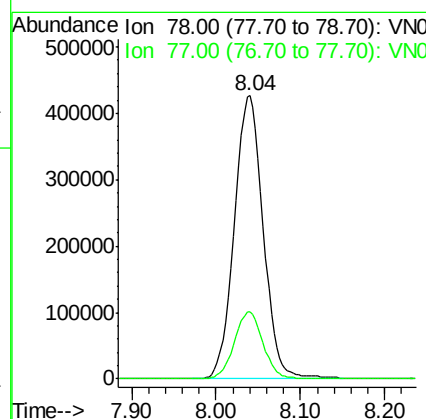
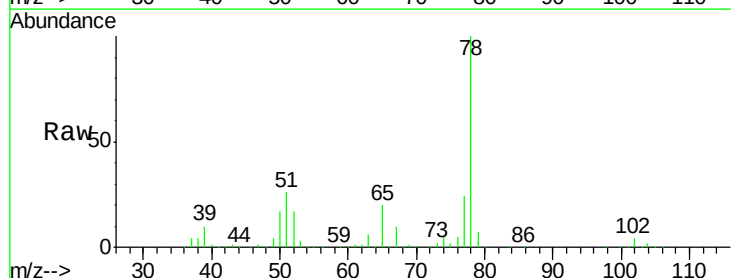
Manual Integrations
APPROVED

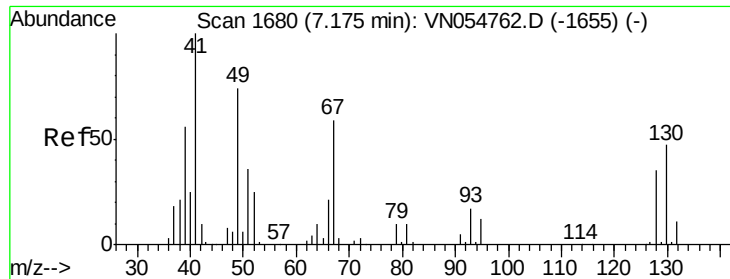
MMDadoda
4/2/2019 10:51:48 AM



#40
Benzene
Concen: 53.341 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





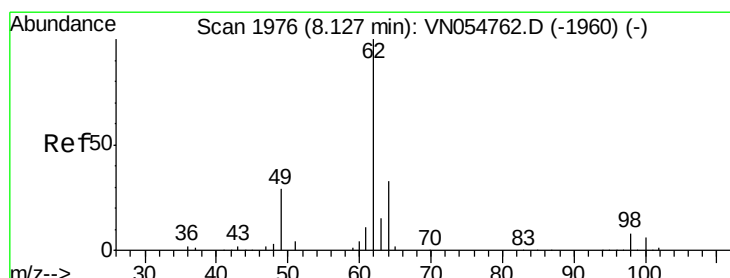
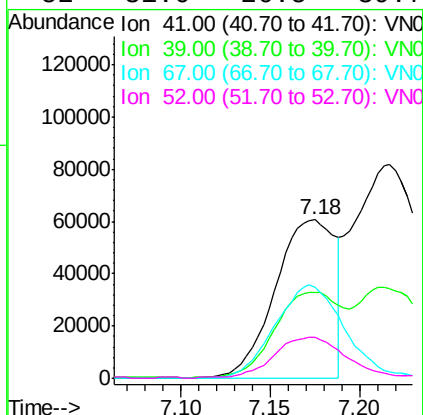
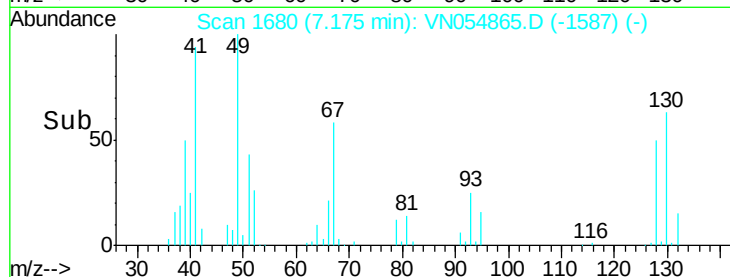
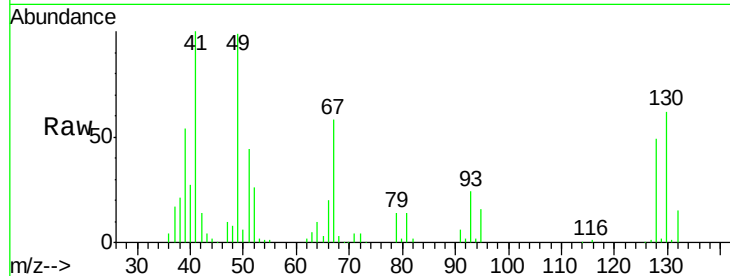
#41
Methacrylonitrile
Concen: 51.646 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.1	46.8	70.2	
67	68.5	67.0	100.4	
52	31.0	26.5	39.7	

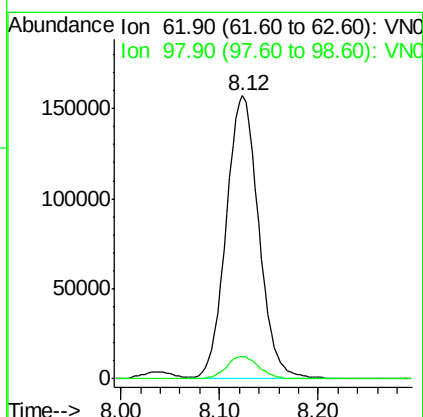
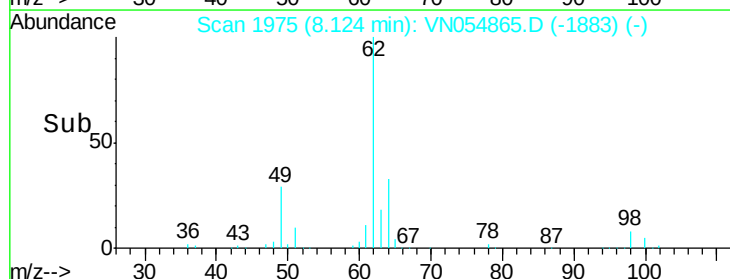
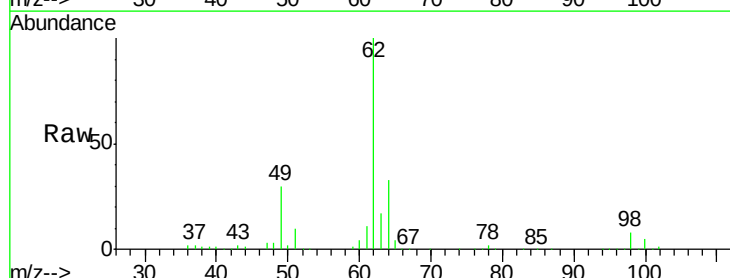
Manual Integrations
APPROVED

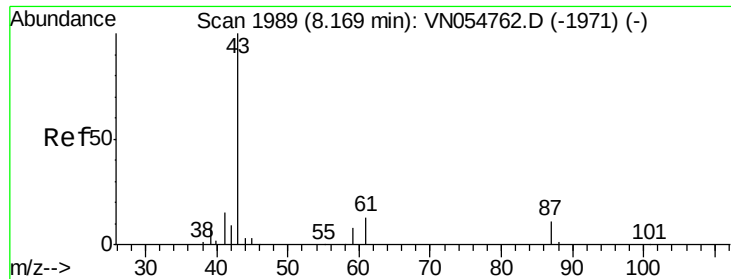
MMDadoda
4/2/2019 10:51:48 AM



#42
1,2-Dichloroethane
Concen: 52.730 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	18.4	





#43

Isopropyl Acetate

Concen: 55.774 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

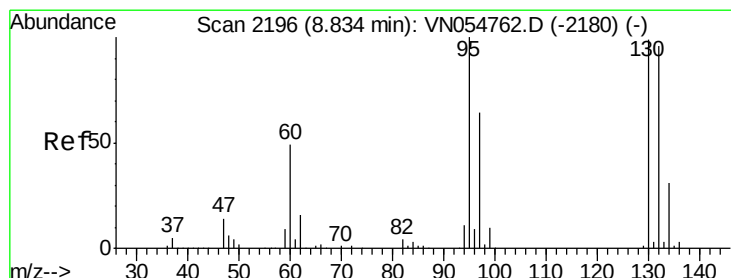
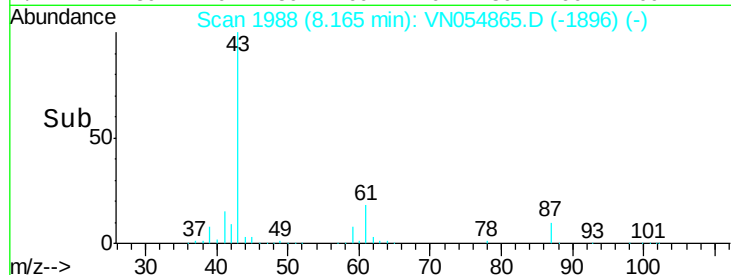
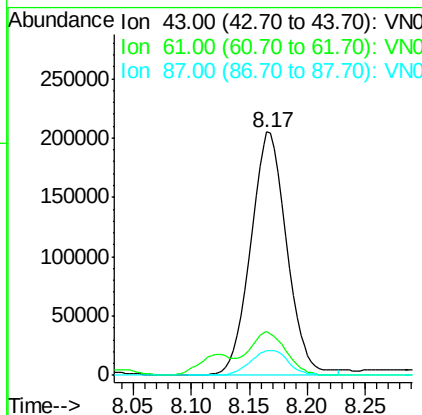
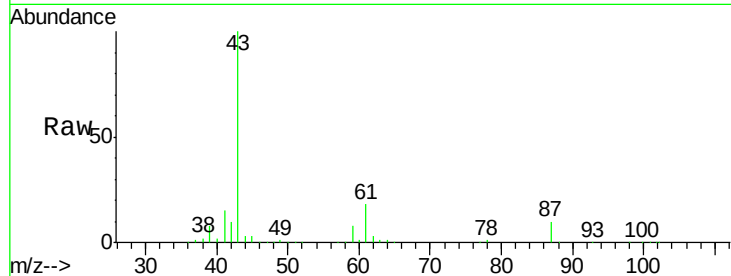
ClientSampled :

VSTDCCC050

Tot Ion:	43	Resp:	443105
Ion	Ratio	Lower	Upper
43	100		
61	17.8	15.8	23.8
87	10.8	12.0	18.0#

Manual Integrations
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MMDadoda
4/2/2019 10:51:48 AM



#44

Trichloroethene

Concen: 53.330 ug/l

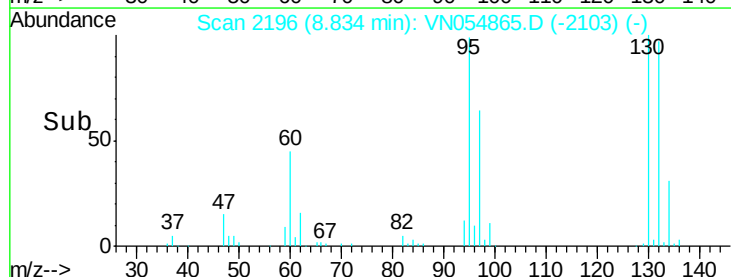
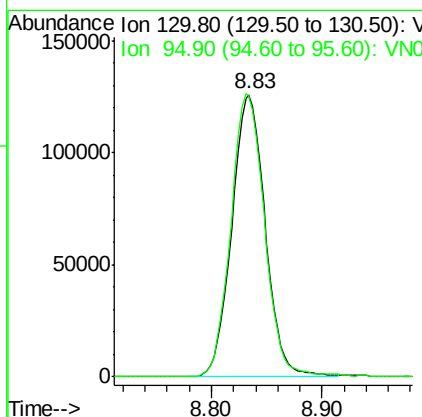
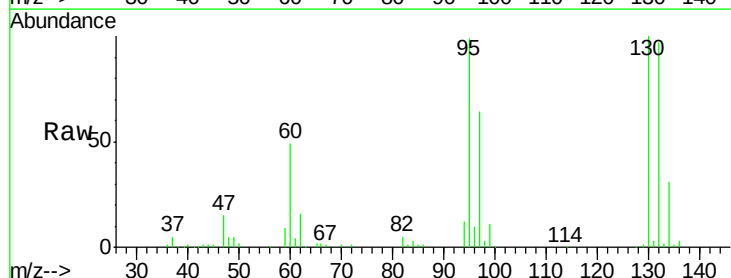
RT: 8.83 min Scan# 2196

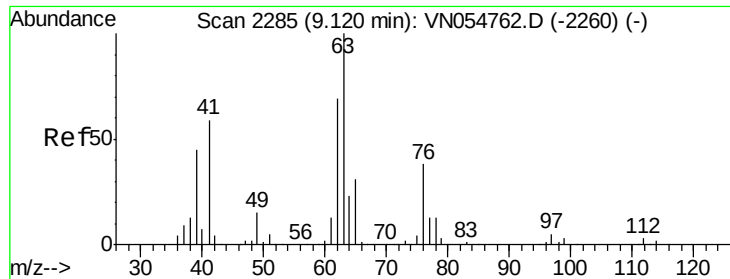
Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Tgt Ion:	130	Resp:	264116
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	185.2





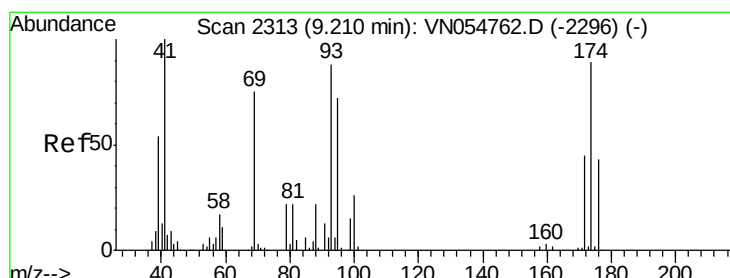
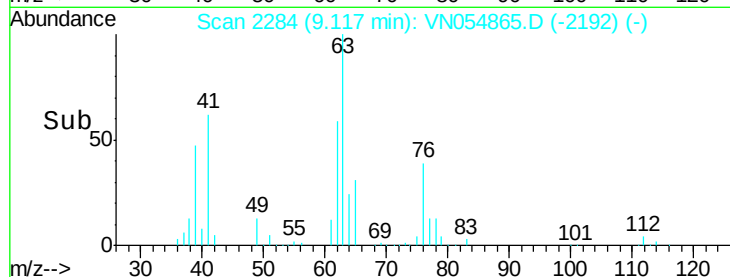
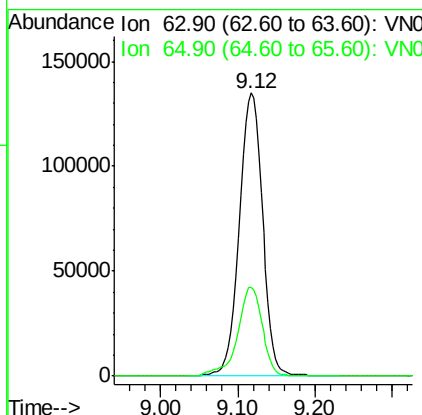
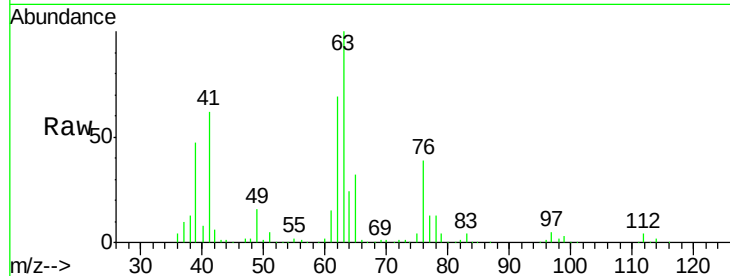
#45
 1,2-Dichloropropane
 Concen: 51.757 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 281561
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6

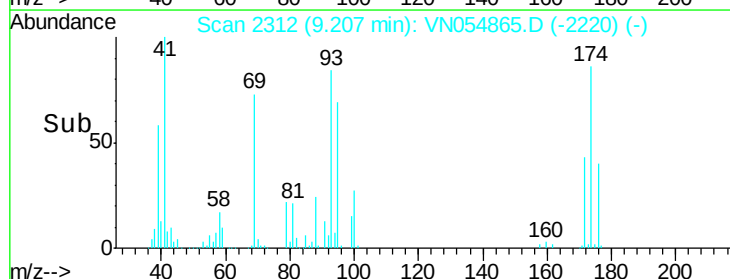
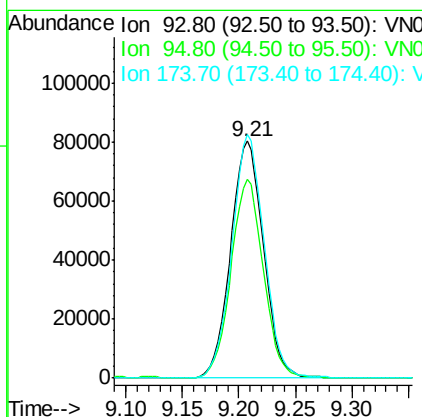
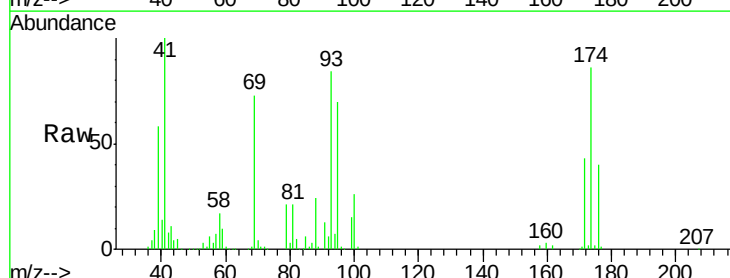
Manual Integrations
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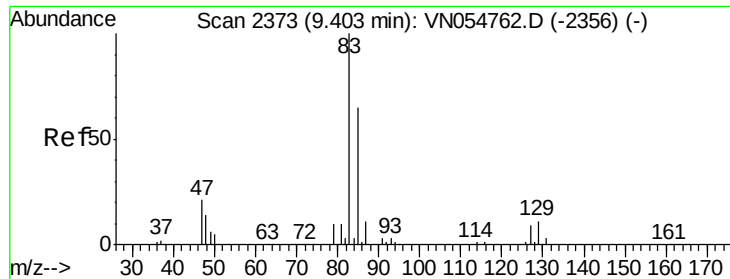
MMDadoda
 4/2/2019 10:51:48 AM



#46
 Dibromomethane
 Concen: 53.285 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion: 93 Resp: 163064
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.7 100.1
 174 100.7 98.5 147.7





#47

Bromodichloromethane

Concen: 55.490 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

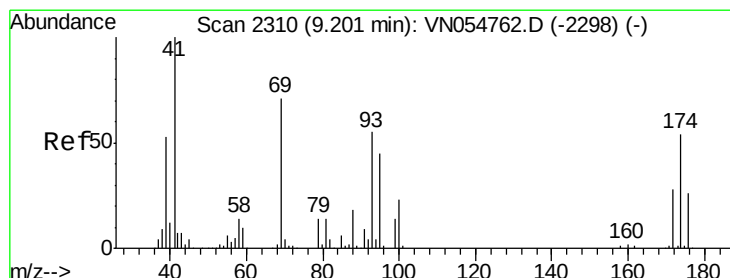
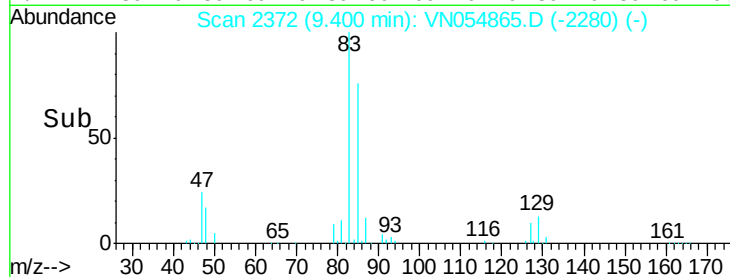
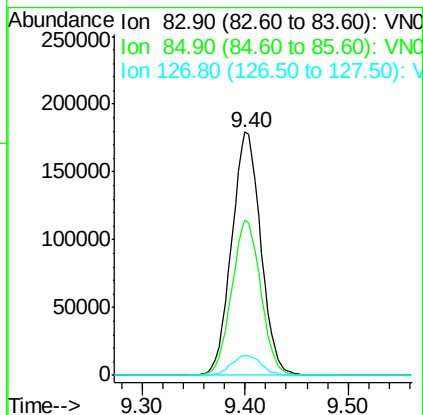
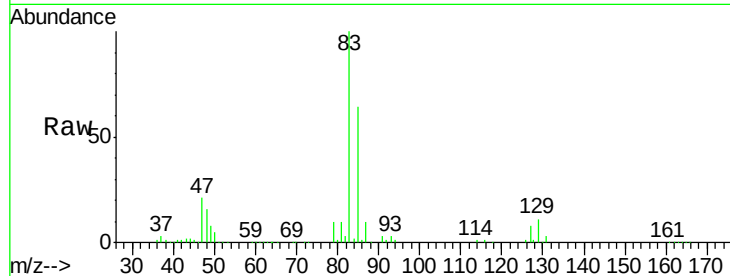
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	352921
Ion Ratio	Lower	Upper	
83	100		
85	63.9	52.8	79.2
127	8.2	7.4	11.2

Manual Integrations
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MMDadoda
4/2/2019 10:51:48 AM



#48

Methyl methacrylate

Concen: 50.908 ug/l

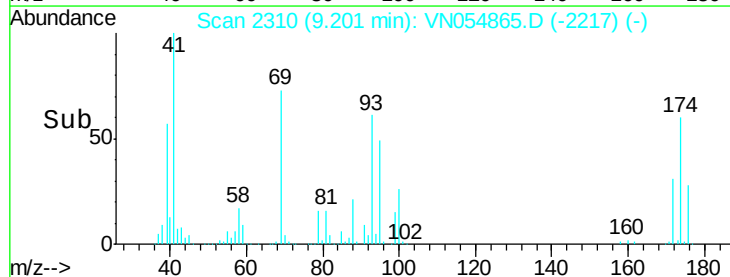
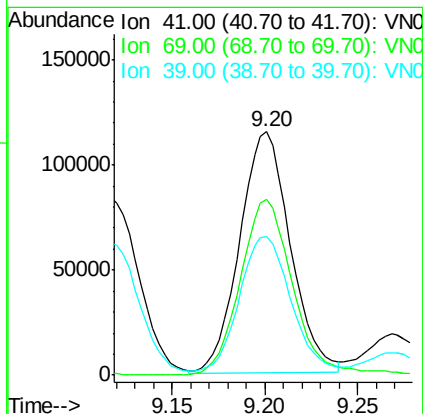
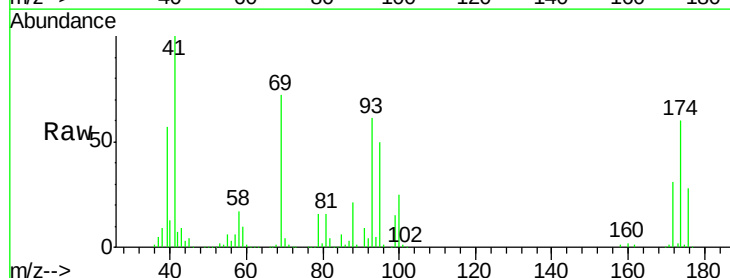
RT: 9.20 min Scan# 2310

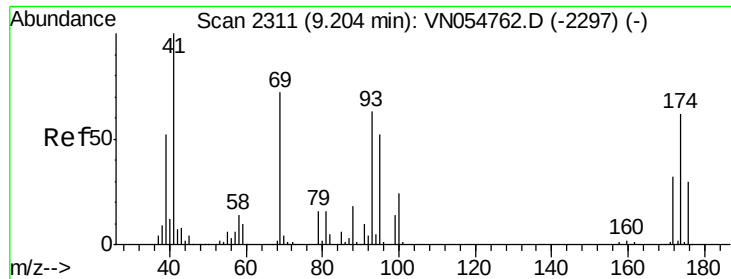
Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Tgt Ion:	41	Resp:	219241
Ion Ratio	Lower	Upper	
41	100		
69	75.8	72.6	108.8
39	59.0	47.5	71.3





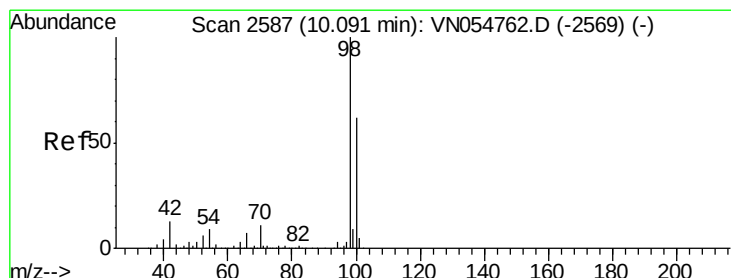
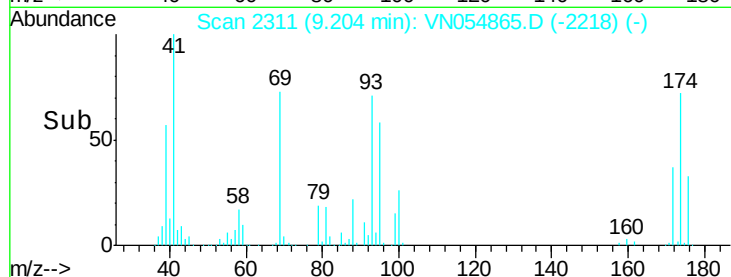
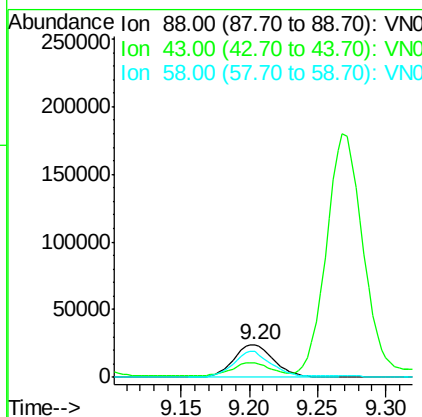
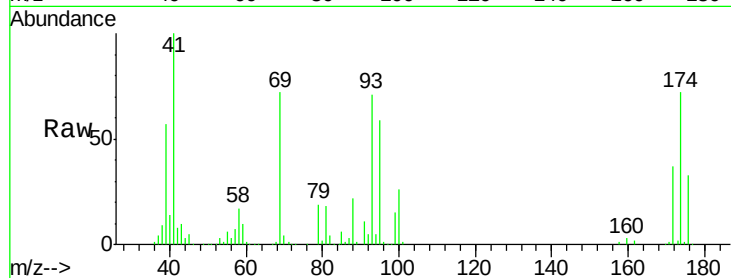
#49
1,4-Dioxane
Concen: 1155.731 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	49386
Ion Ratio	100	Lower	Upper
88	100		
43	38.9	24.1	36.1#
58	76.9	50.8	76.2#

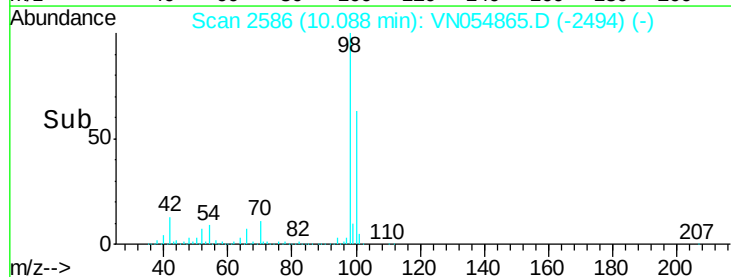
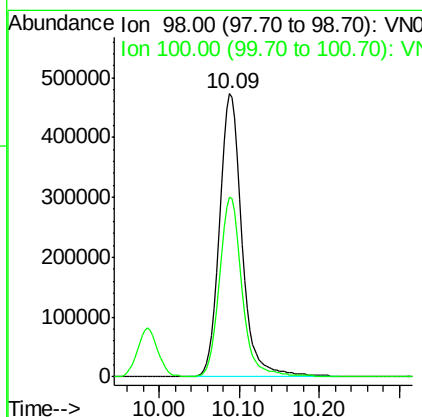
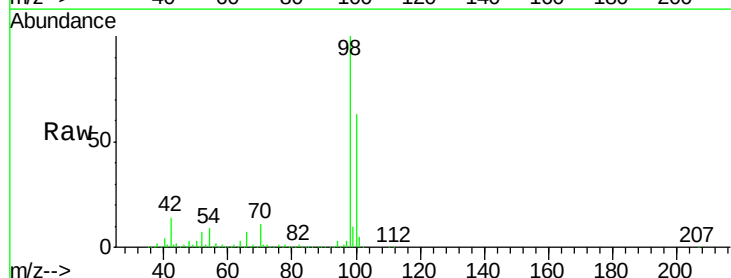
Manual Integrations
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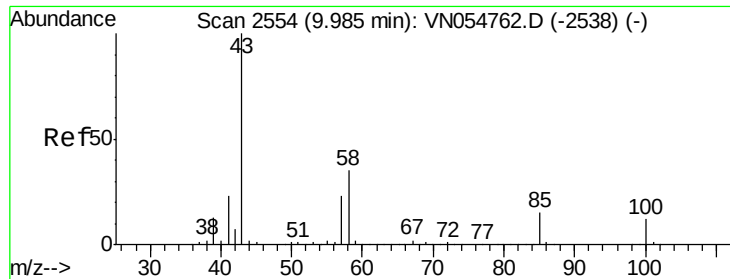
MMDadoda
4/2/2019 10:51:48 AM



#50
Toluene-d8
Concen: 52.295 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion	98	Resp	927482
Ion Ratio	100	Lower	Upper
98	100		
100	63.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 279.405 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1248024

Ion Ratio Lower Upper

43 100

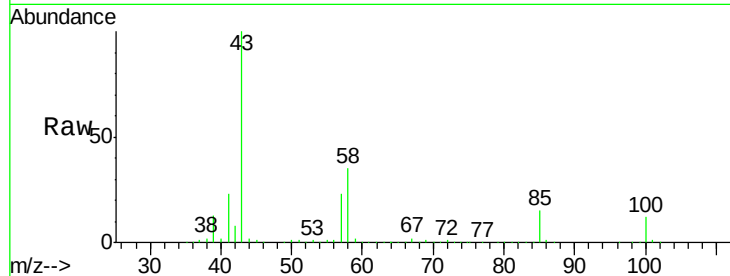
58 35.3 31.8 47.6

Manual Integrations

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MMDadoda

4/2/2019 10:51:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

400000

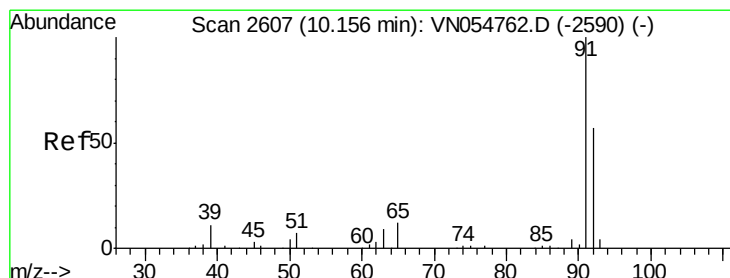
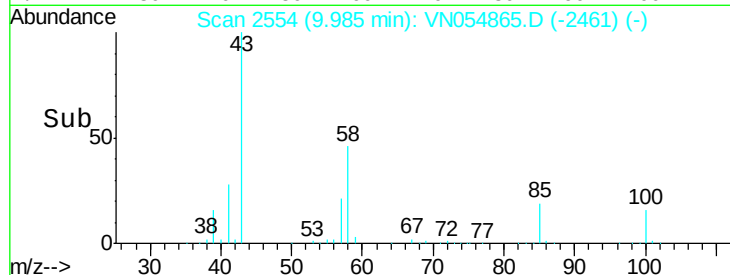
200000

0

9.90 10.00 10.10

9.99

Time-->



#52

Toluene

Concen: 53.857 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054865.D

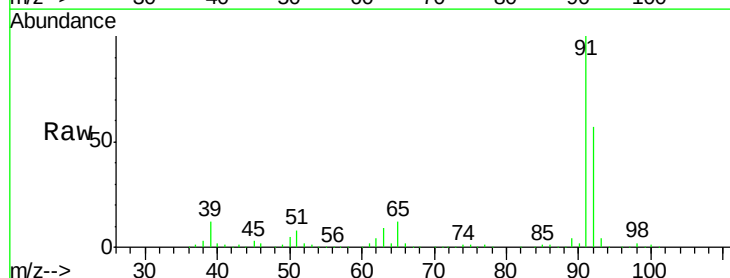
Acq: 1 Apr 2019 10:08

Tgt Ion: 92 Resp: 611405

Ion Ratio Lower Upper

92 100

91 176.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

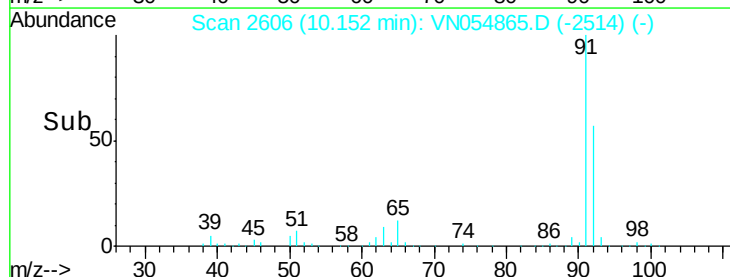
100000

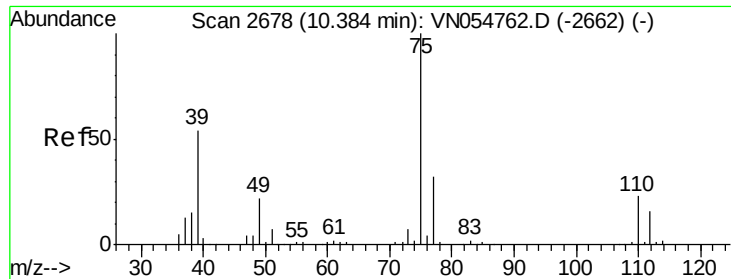
0

10.10 10.20 10.30

10.15

Time-->





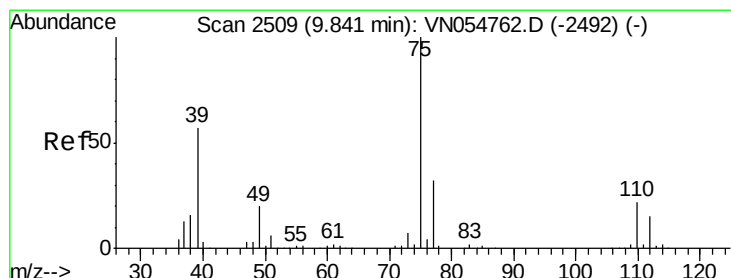
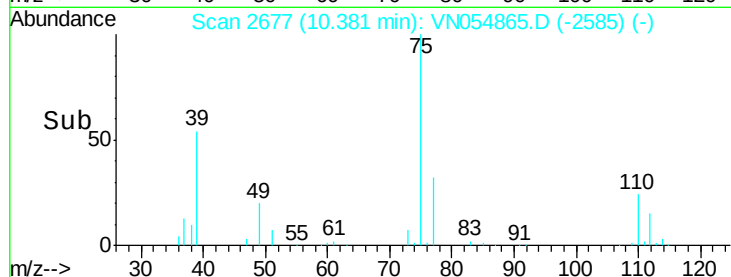
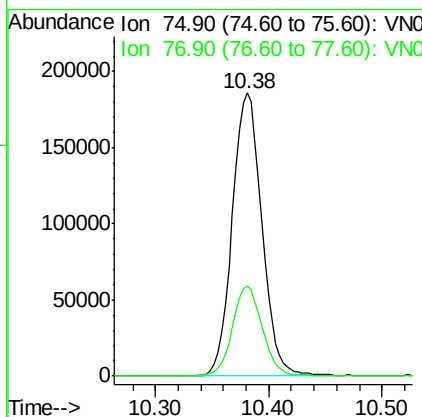
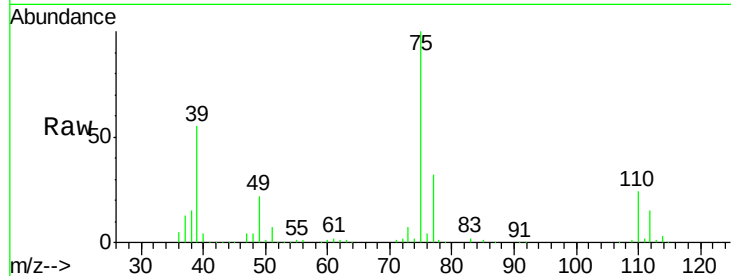
#53
t-1,3-Dichloropropene
Concen: 56.750 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 339516
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8

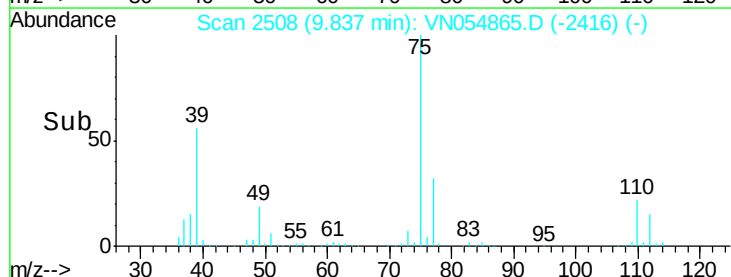
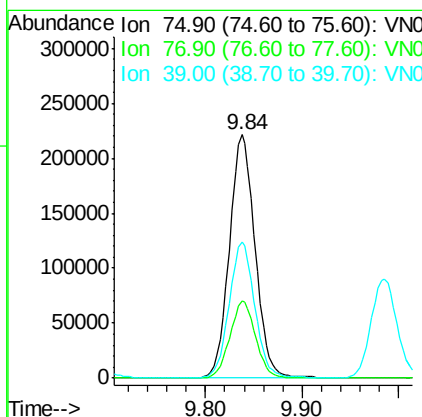
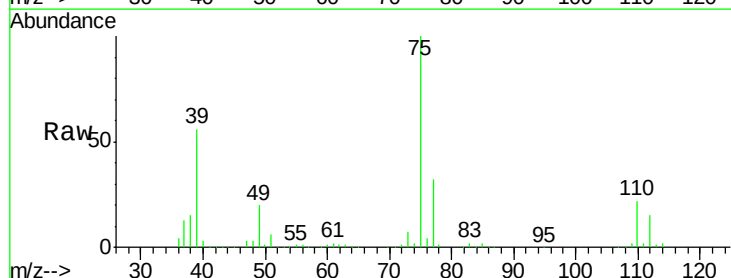
Manual Integrations
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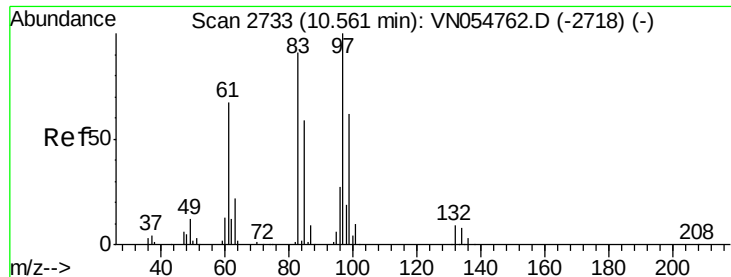
MMDadoda
4/2/2019 10:51:48 AM



#54
cis-1,3-Dichloropropene
Concen: 57.198 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion: 75 Resp: 408771
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
39 56.0 37.2 55.8#





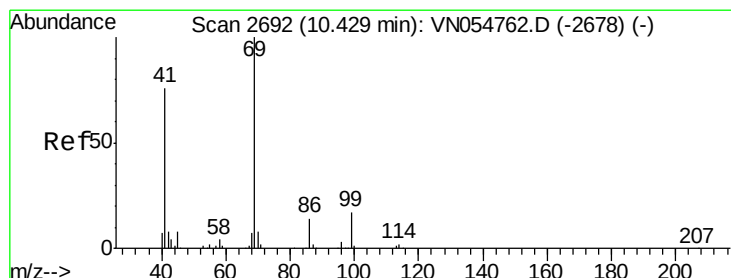
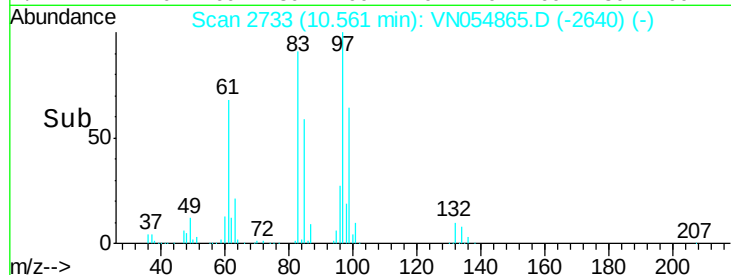
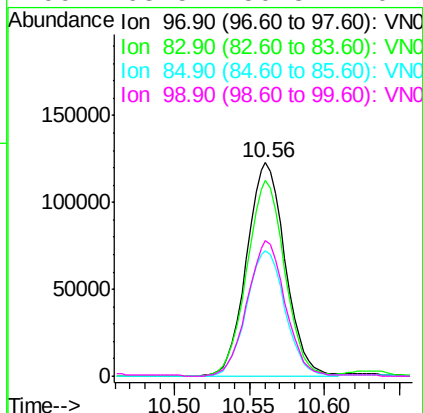
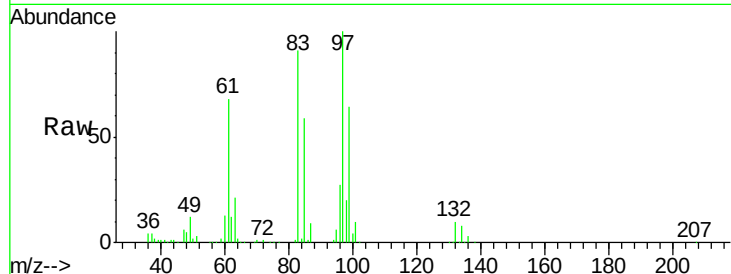
#55
 1,1,2-Trichloroethane
 Concen: 52.241 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	220522
Ion	Ratio	Lower	Upper
97	100		
83	91.5	66.6	100.0
85	58.8	44.4	66.6
99	63.5	50.8	76.2

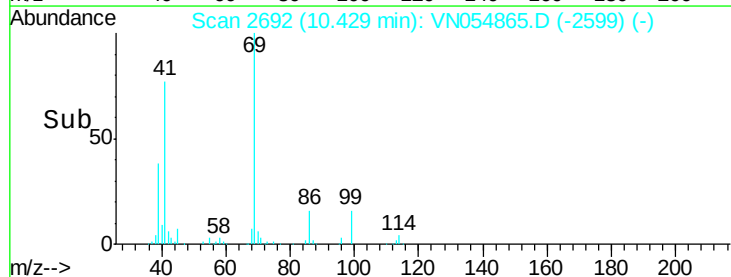
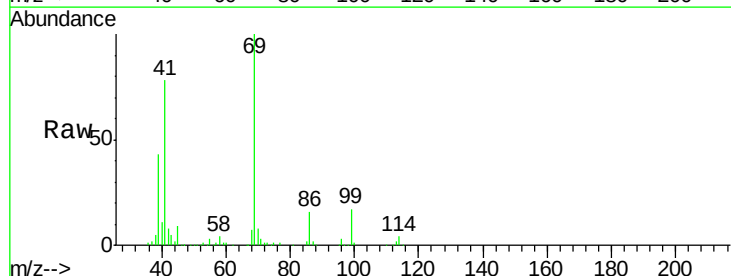
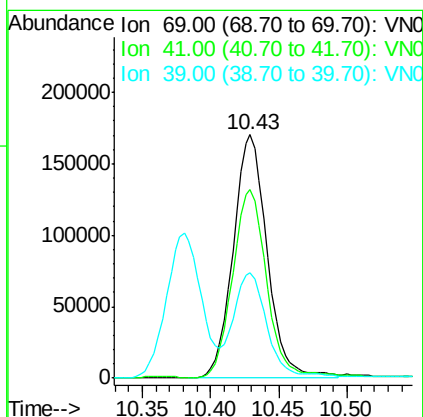
Manual Integrations
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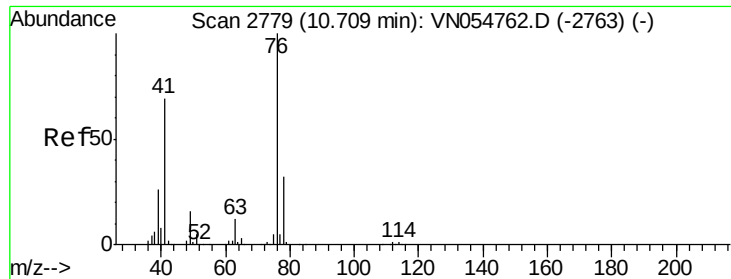
MMDadoda
 4/2/2019 10:51:48 AM



#56
 Ethyl methacrylate
 Concen: 53.242 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion	69	Resp	294824
Ion	Ratio	Lower	Upper
69	100		
41	77.3	49.4	74.2#
39	42.3	28.3	42.5





#57

1,3-Dichloropropane

Concen: 54.598 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 396228

Ion Ratio Lower Upper

76 100

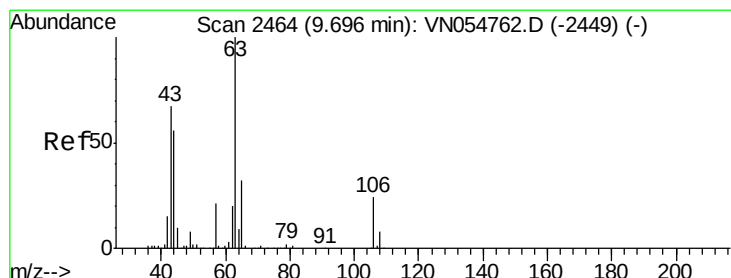
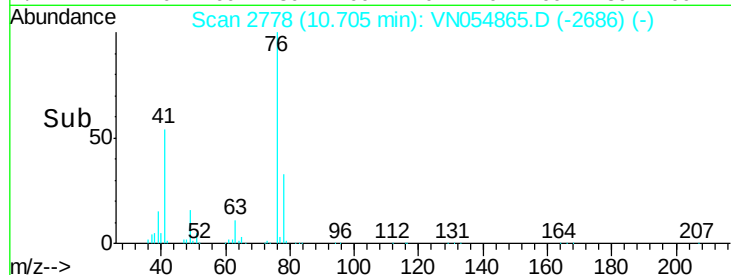
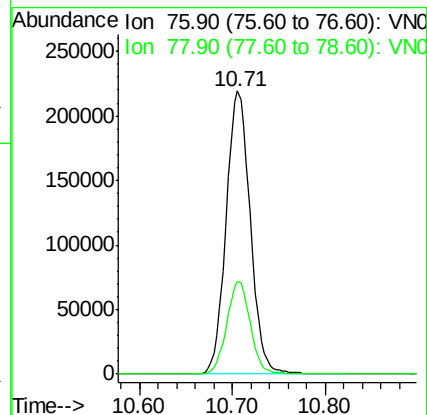
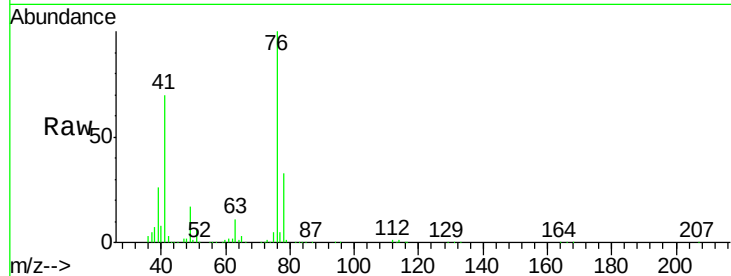
78 32.1 25.7 38.5

Manual Integrations

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MMDadoda

4/2/2019 10:51:48 AM



#58

2-Chloroethyl Vinyl ether

Concen: 218.892 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054865.D

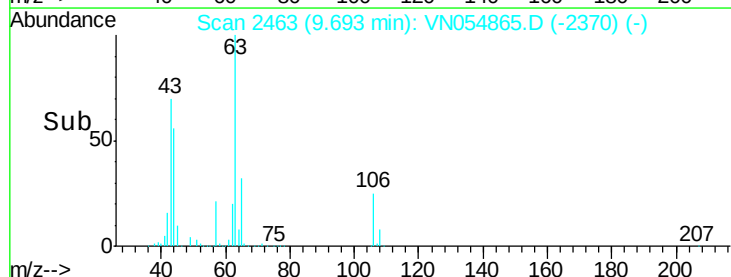
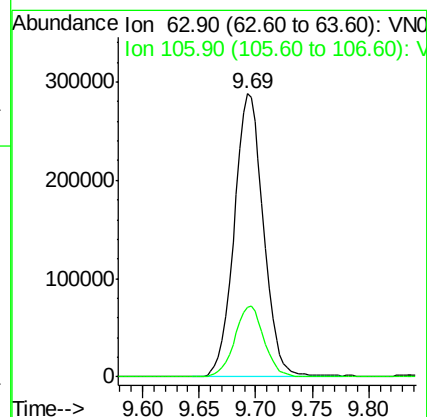
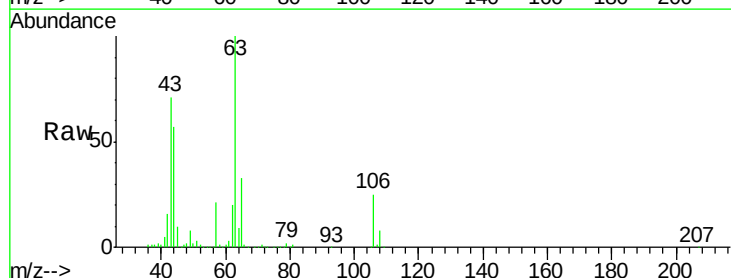
Acq: 1 Apr 2019 10:08

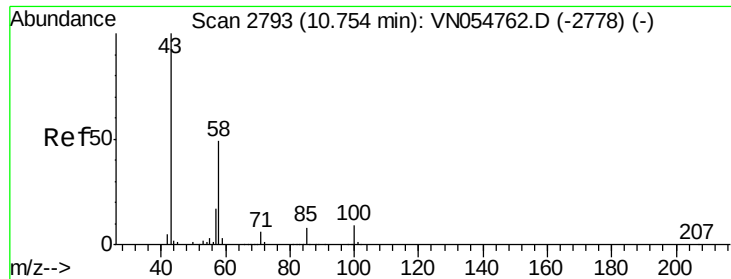
Tgt Ion: 63 Resp: 518913

Ion Ratio Lower Upper

63 100

106 25.1 24.4 36.6





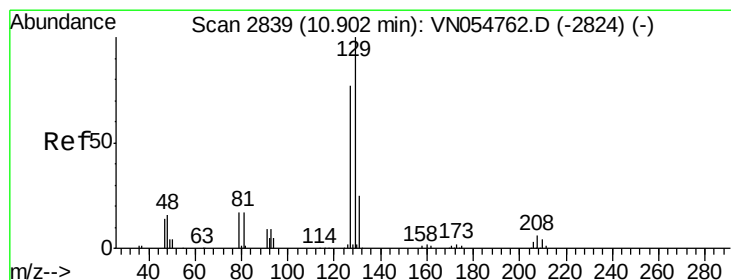
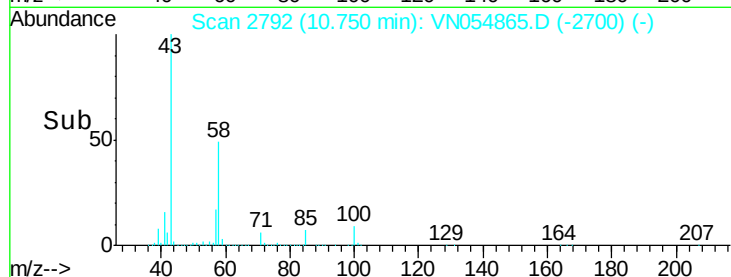
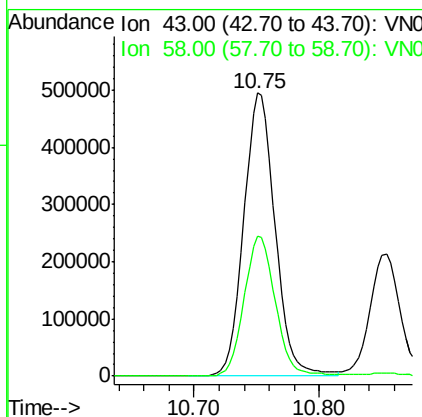
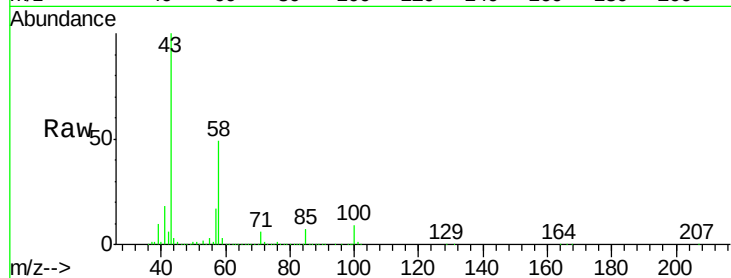
#59
2-Hexanone
Concen: 300.020 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 857883
Ion Ratio Lower Upper
43 100
58 49.5 28.0 83.9

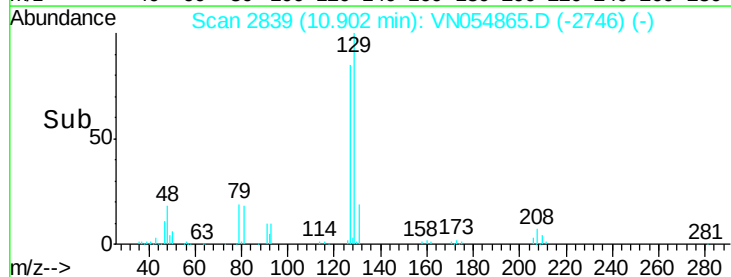
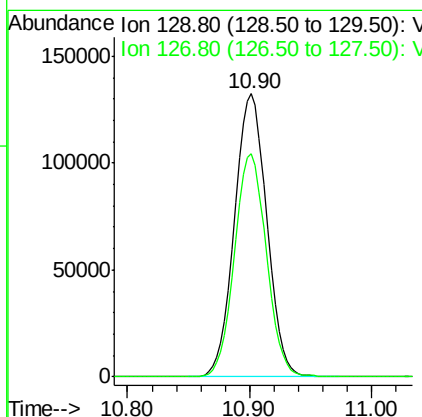
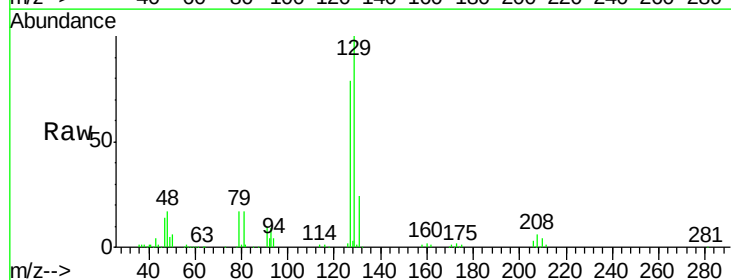
Manual Integrations
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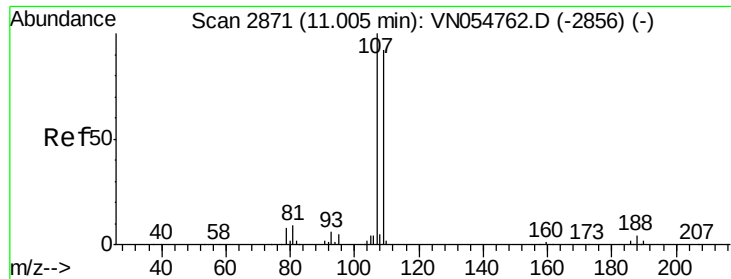
MMDadoda
4/2/2019 10:51:48 AM



#60
Dibromochloromethane
Concen: 56.935 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion: 129 Resp: 243453
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





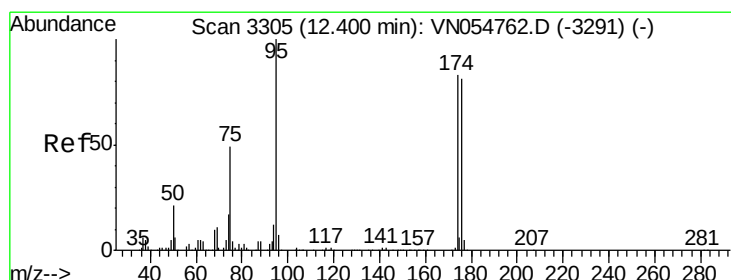
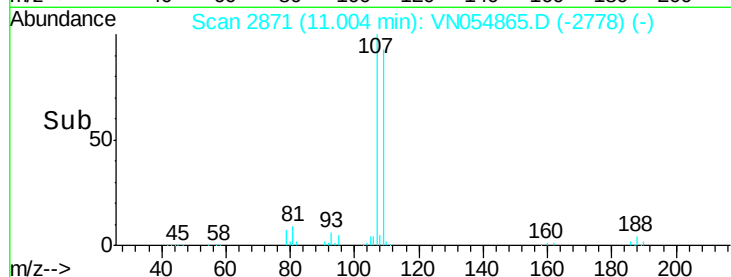
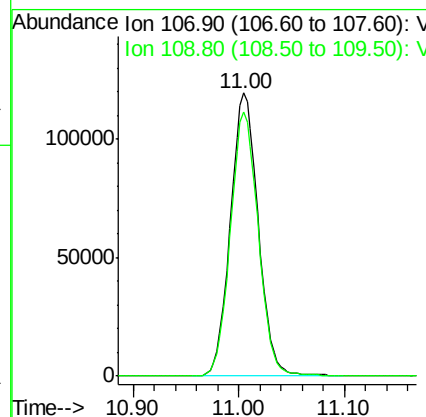
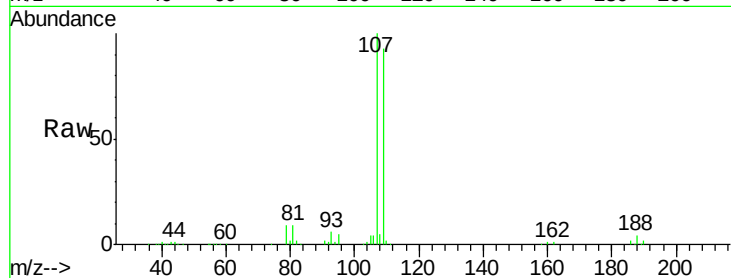
#61
 1,2-Dibromoethane
 Concen: 54.234 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	218783		
109	93.6	75.9	113.9	

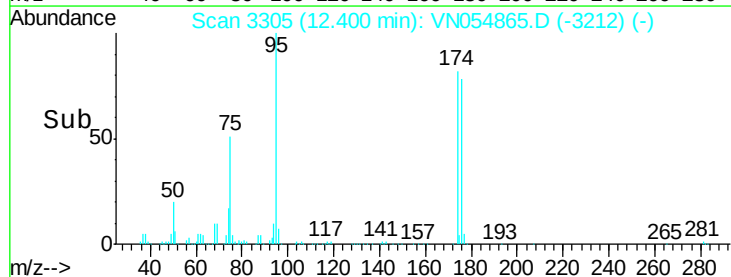
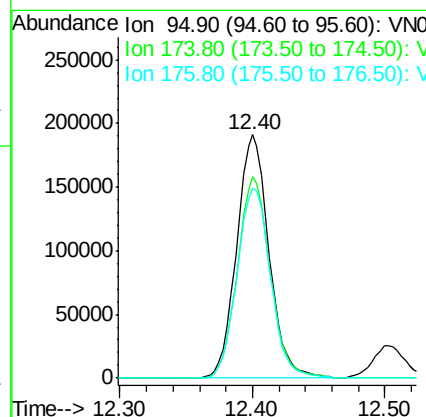
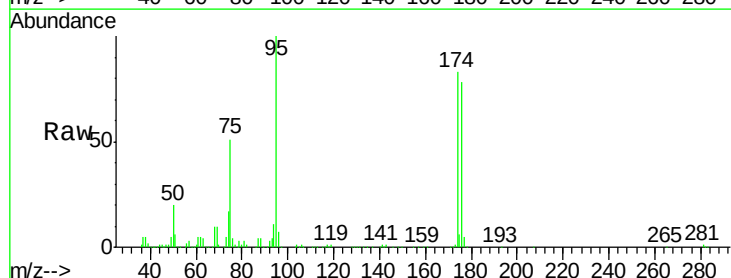
Manual Integrations
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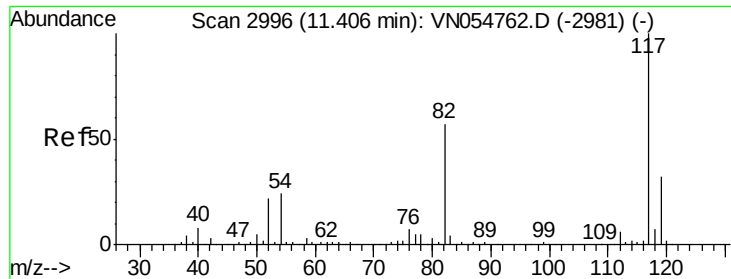
MMDadoda
 4/2/2019 10:51:48 AM



#62
 4-Bromofluorobenzene
 Concen: 54.782 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	323130		
174	84.1	0.0	191.0	
176	81.3	0.0	187.4	





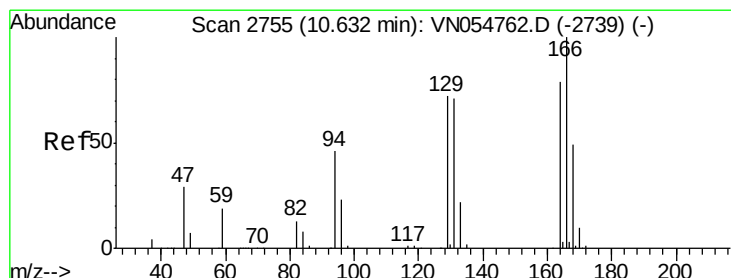
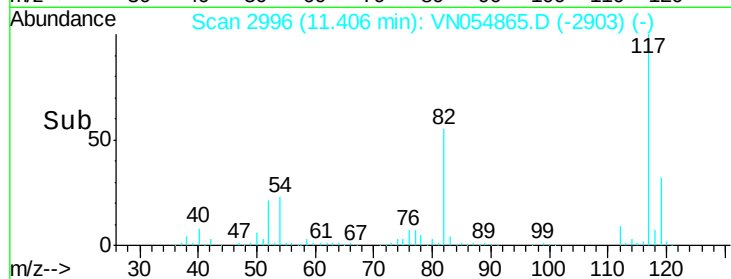
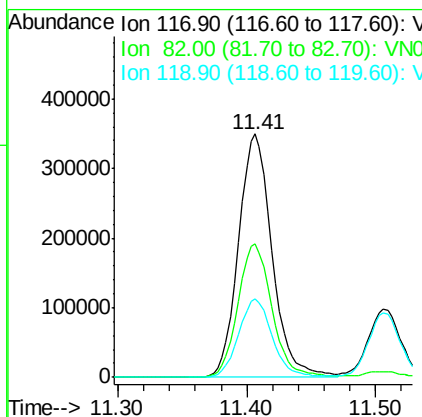
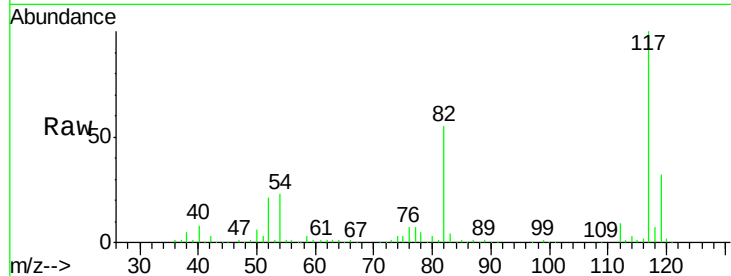
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	40.0	60.0
119	32.3	25.8	38.6

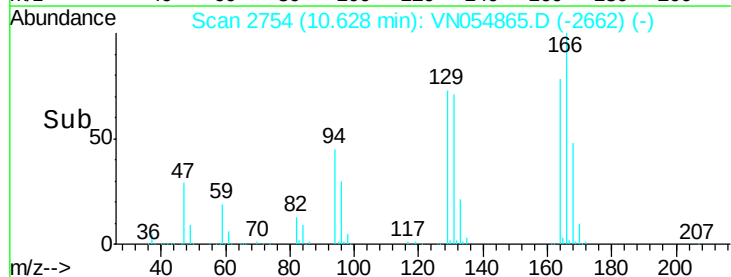
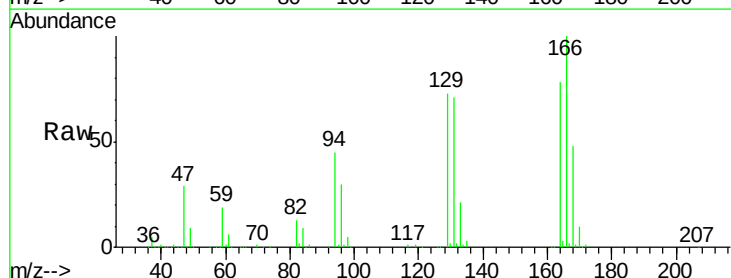
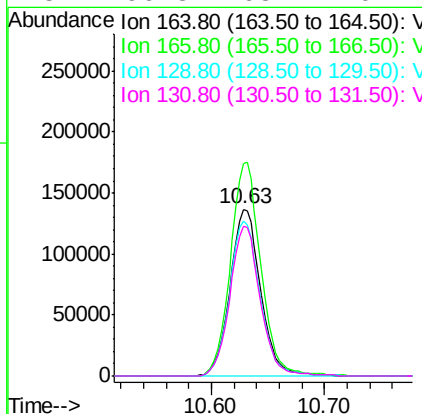
Manual Integrations
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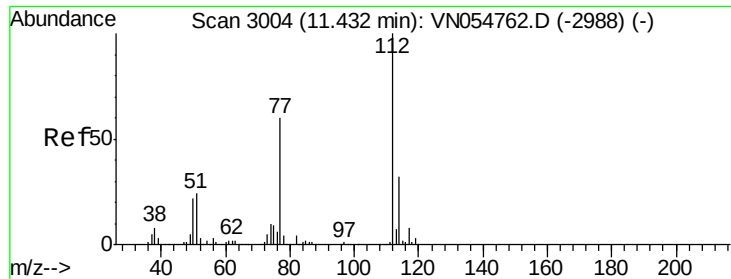
MMDadoda
4/2/2019 10:51:48 AM



#64
Tetrachloroethene
Concen: 52.746 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.9	155.9
129	93.1	71.1	106.7
131	90.3	68.2	102.4





#65

Chlorobenzene

Concen: 51.813 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 643402

Ion Ratio Lower Upper

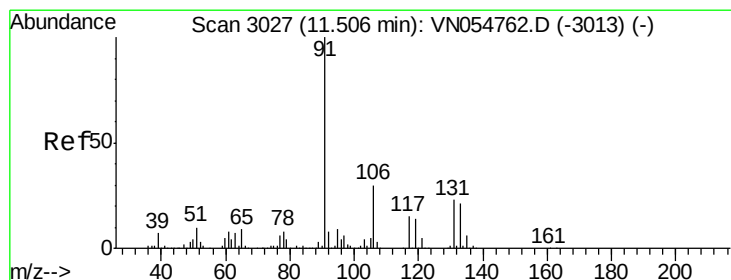
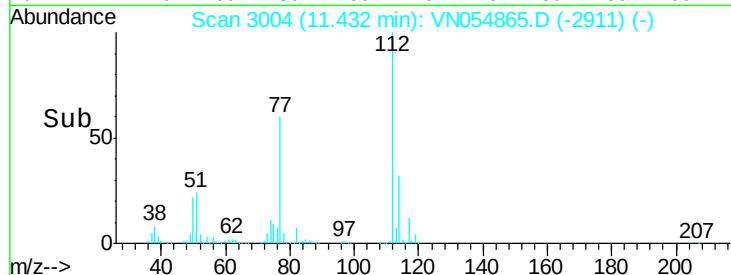
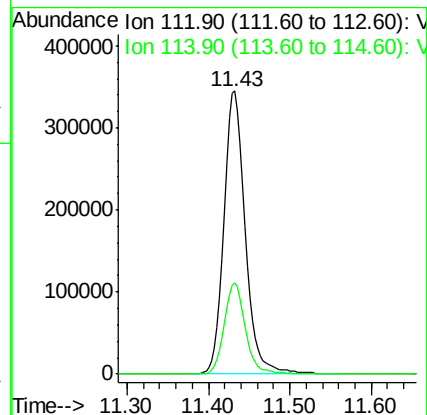
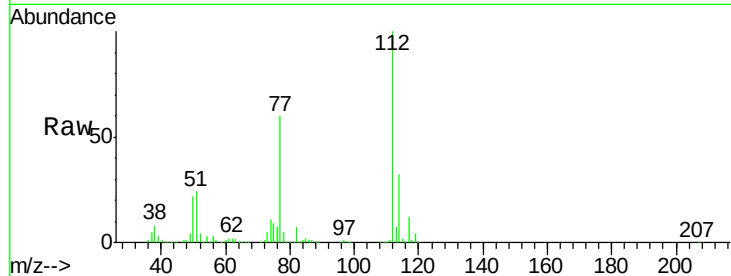
112 100

114 32.4 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 53.047 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

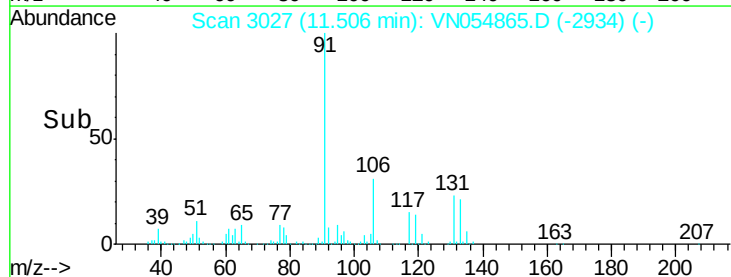
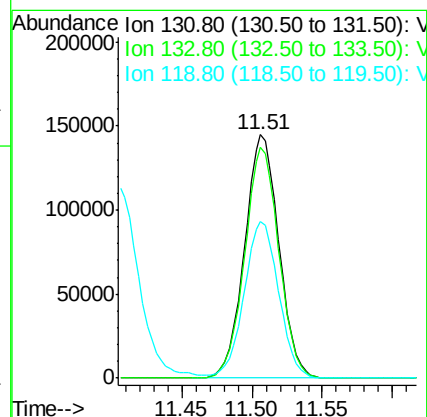
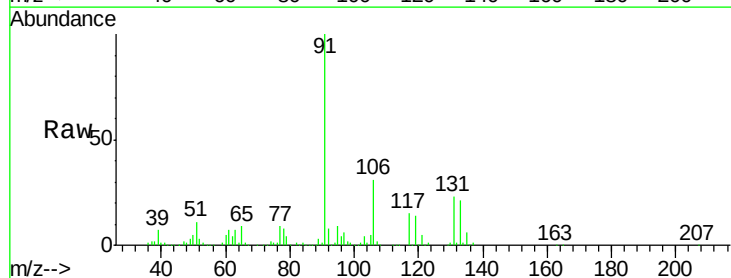
Tgt Ion:131 Resp: 246558

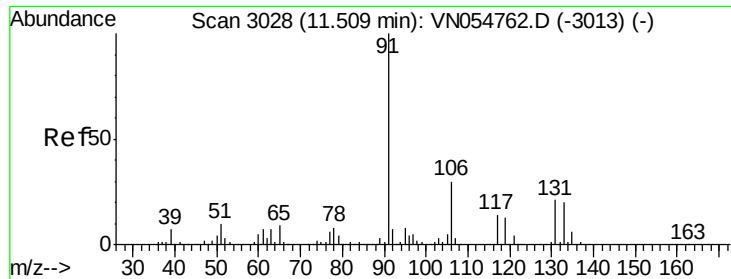
Ion Ratio Lower Upper

131 100

133 94.4 47.6 142.9

119 64.6 32.4 97.0





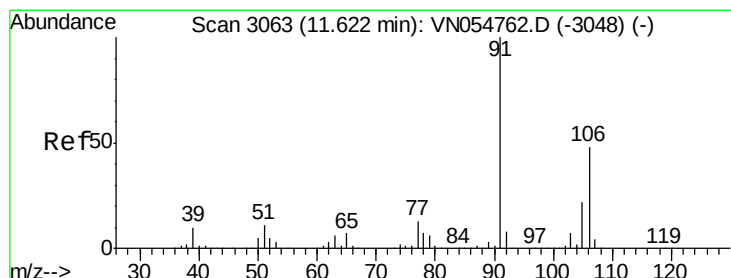
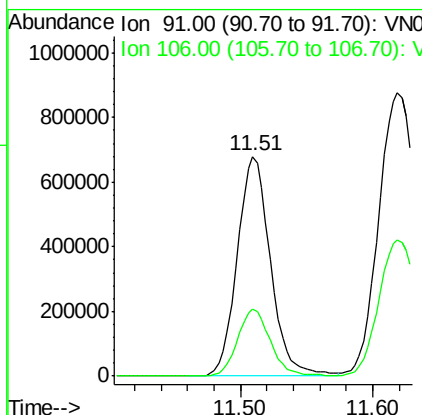
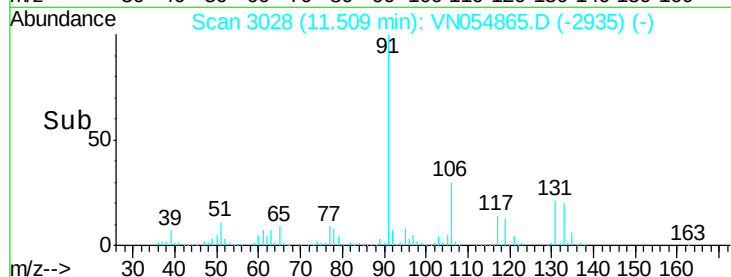
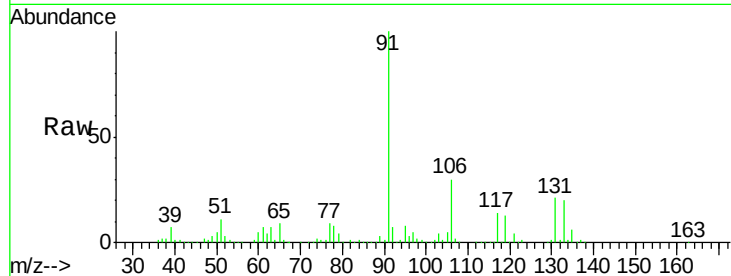
#67
Ethyl Benzene
Concen: 52.727 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1181522
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3

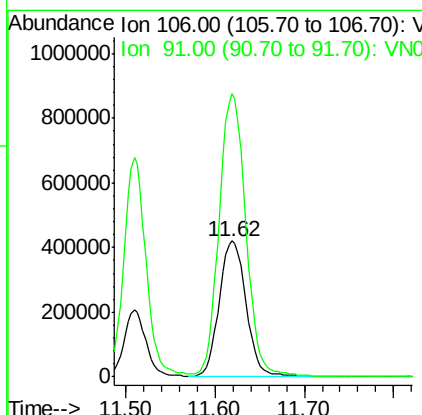
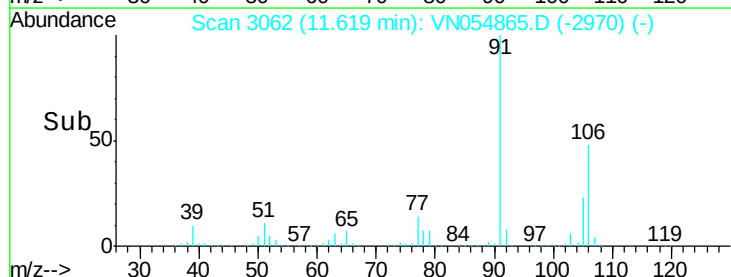
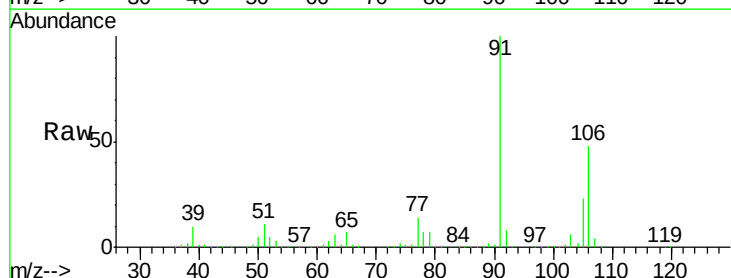
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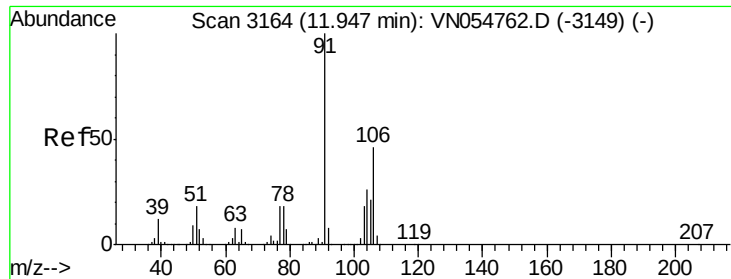
MMDadoda
4/2/2019 10:51:48 AM



#68
m/p-Xylenes
Concen: 106.328 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion: 106 Resp: 881733
Ion Ratio Lower Upper
106 100
91 207.0 159.4 239.2





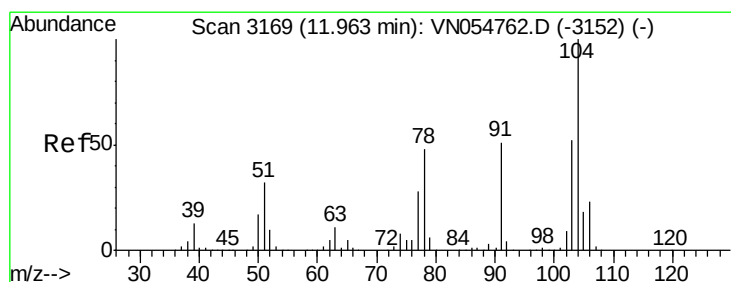
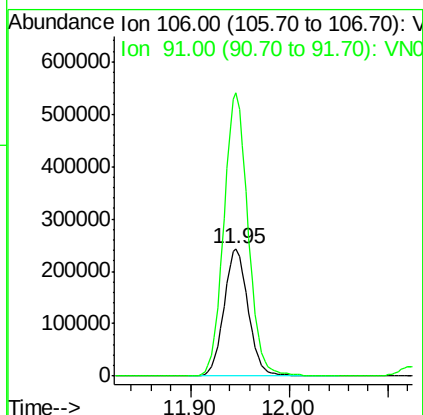
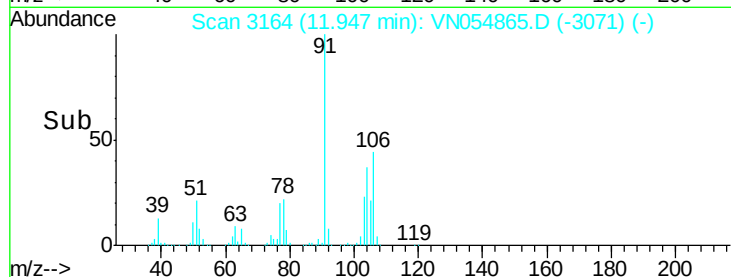
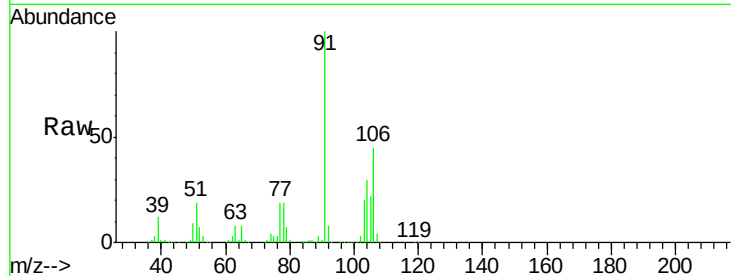
#69
o-Xylene
Concen: 51.758 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 420879
Ion Ratio Lower Upper
106 100
91 221.6 105.7 317.1

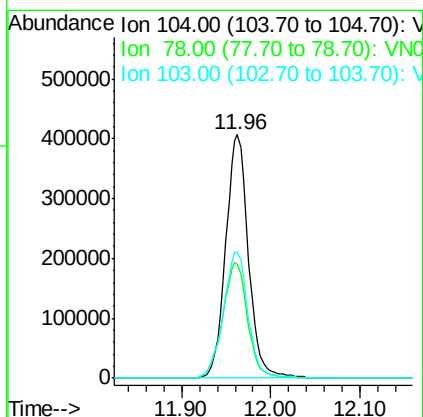
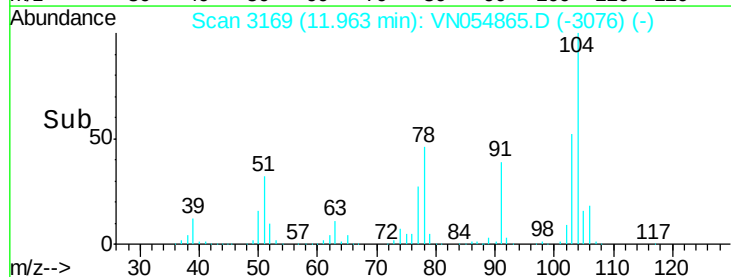
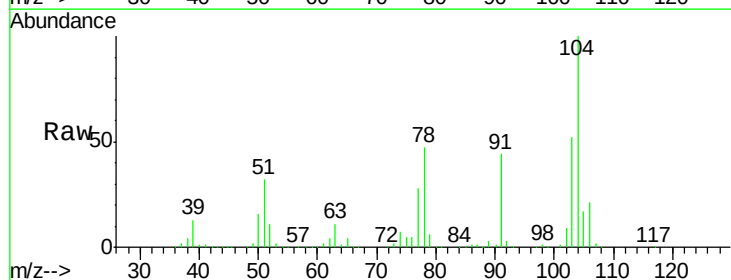
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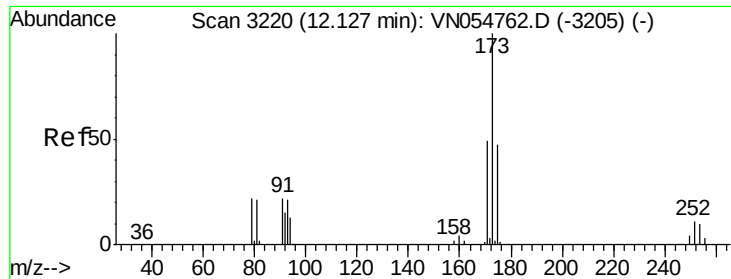
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#70
Styrene
Concen: 55.263 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion:104 Resp: 718525
Ion Ratio Lower Upper
104 100
78 51.7 38.2 57.2
103 56.0 44.4 66.6





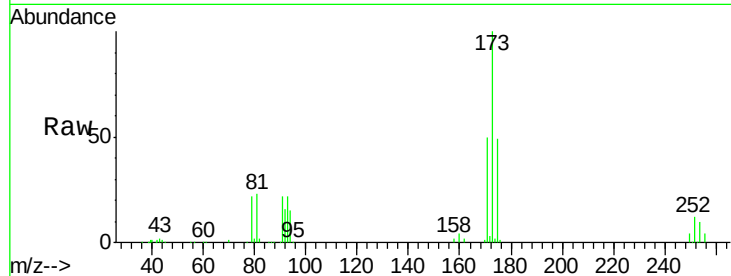
#71
Bromoform
Concen: 55.325 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

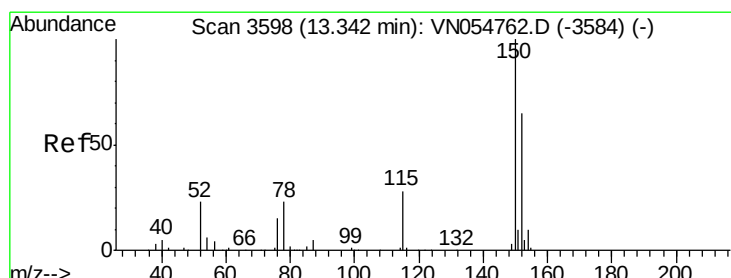
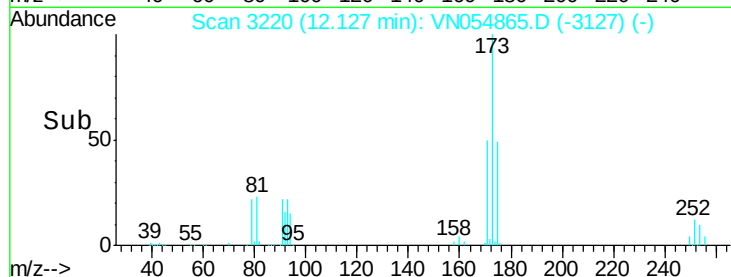
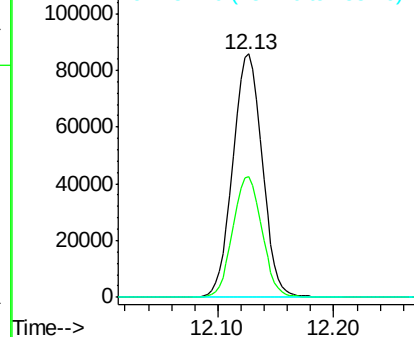
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.2
254	0.1	0.1	0.1#

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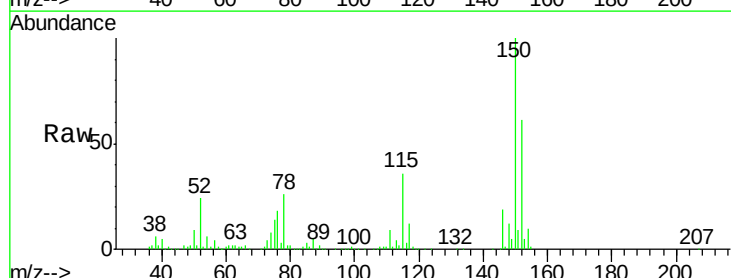


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

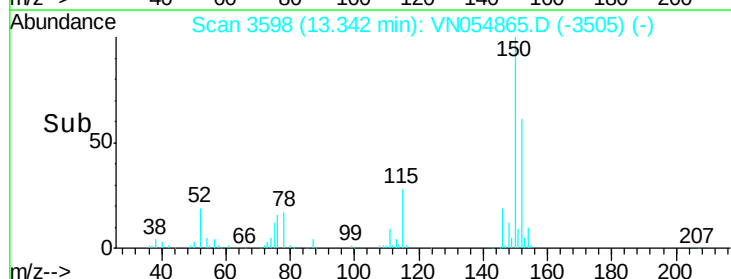
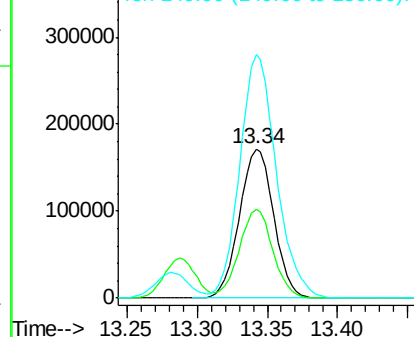


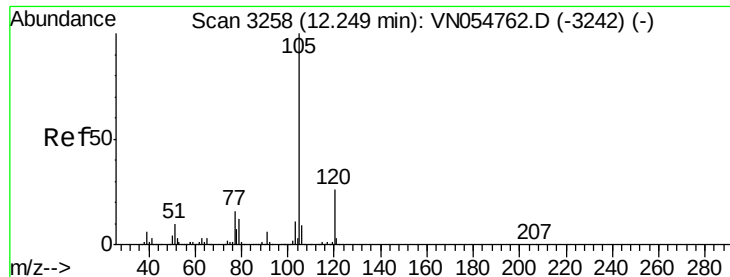
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	27.2	81.6
150	173.9	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: 47.720 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1139353

Ion Ratio Lower Upper

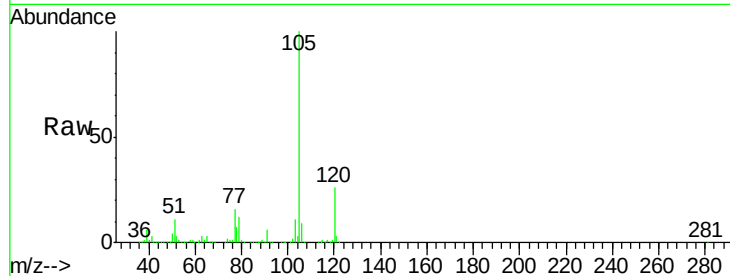
105 100

120 26.2 13.8 41.3

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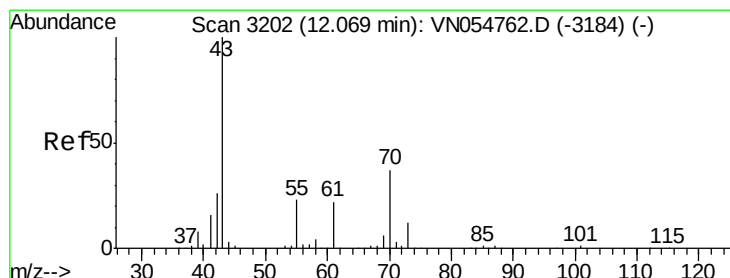
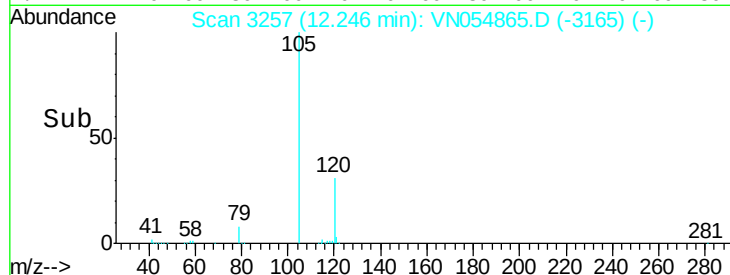
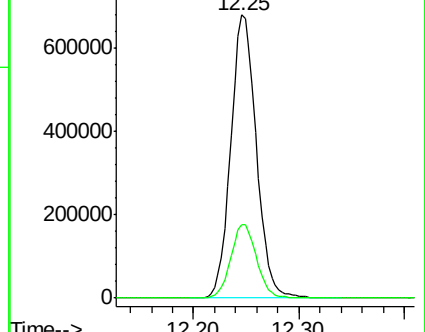
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.192 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Tgt Ion: 43 Resp: 365900

Ion Ratio Lower Upper

43 100

70 36.4 35.4 53.0

55 23.6 19.8 29.6

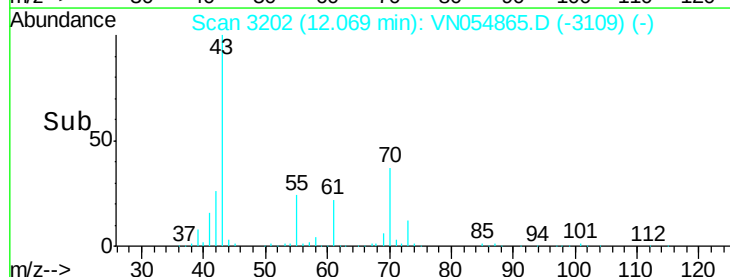
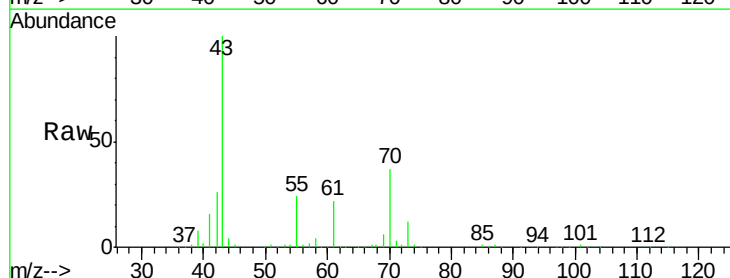
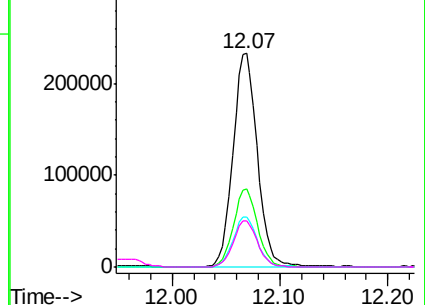
61 21.5 19.8 29.6

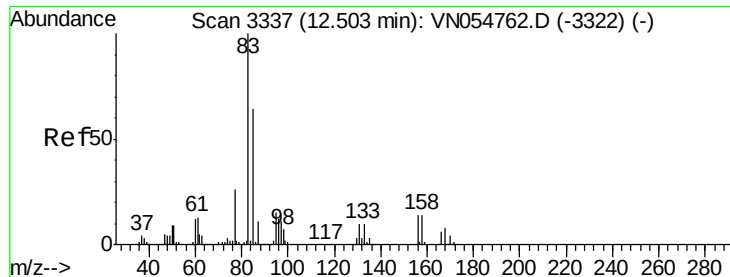
Abundance Ion 43.00 (42.70 to 43.70): V

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: 51.391 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

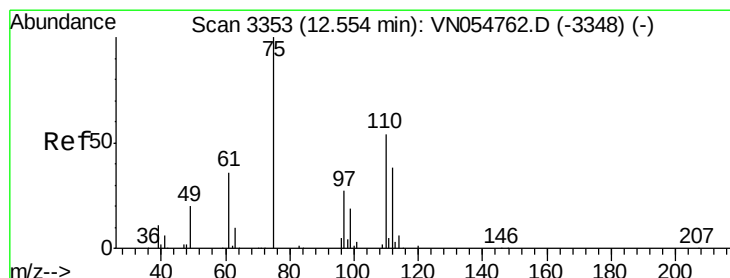
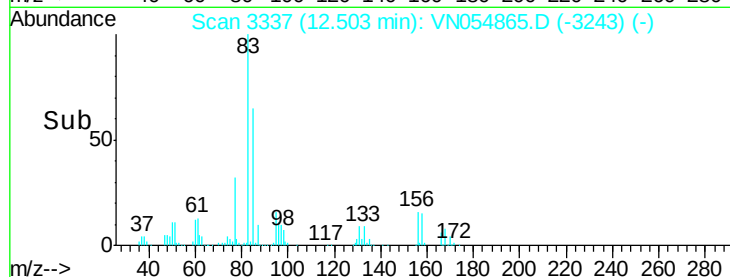
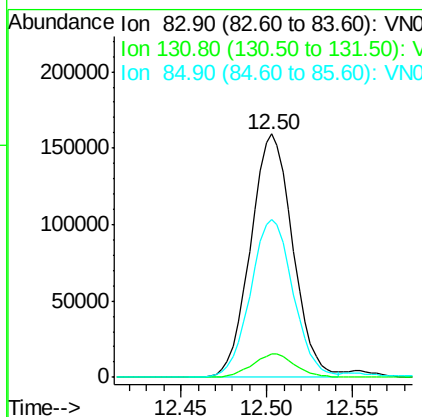
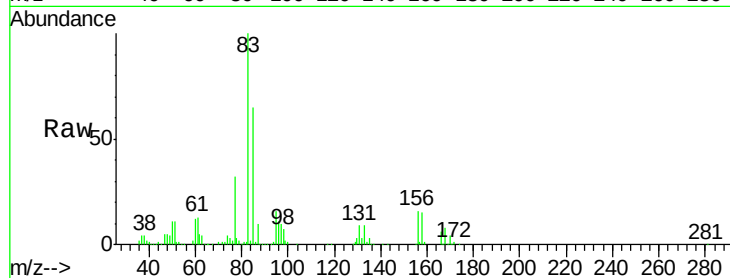
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	270233
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	65.6	32.2	96.6

Manual Integrations
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4/2/2019 10:51:48 AM



#76

1,2,3-Trichloropropane

Concen: 44.287 ug/l m

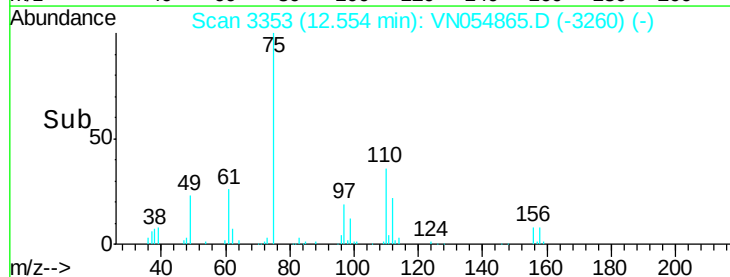
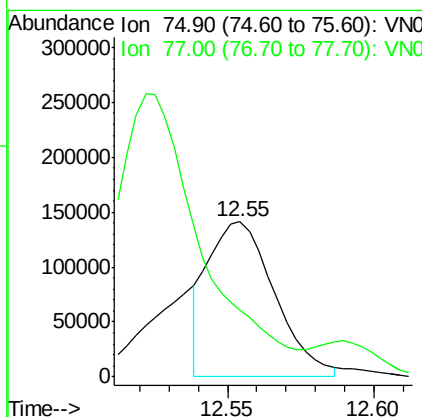
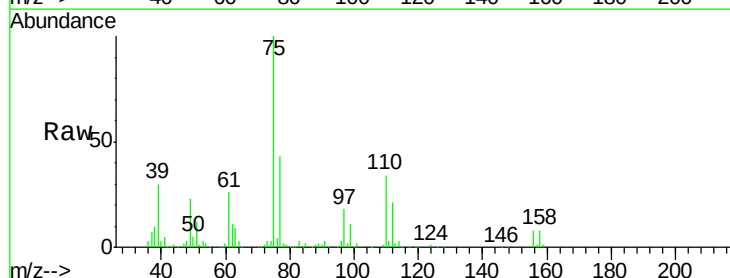
RT: 12.55 min Scan# 3353

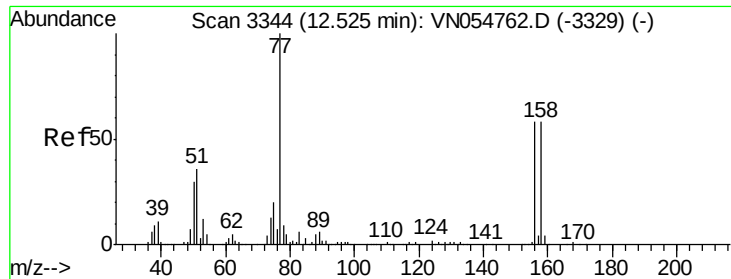
Delta R.T. 0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Tgt Ion:	75	Resp:	224737
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.416 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

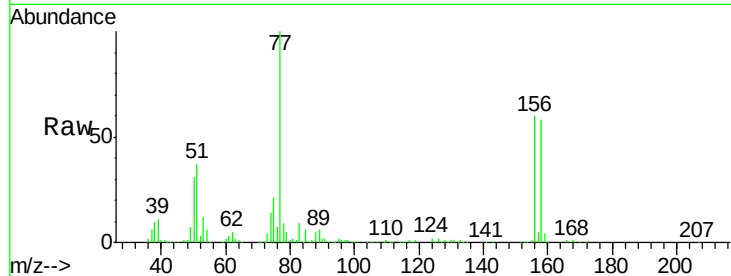
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	278986
Ion Ratio	Lower	Upper	
156	100		
77	194.0	81.5	244.4
158	97.9	49.0	147.2

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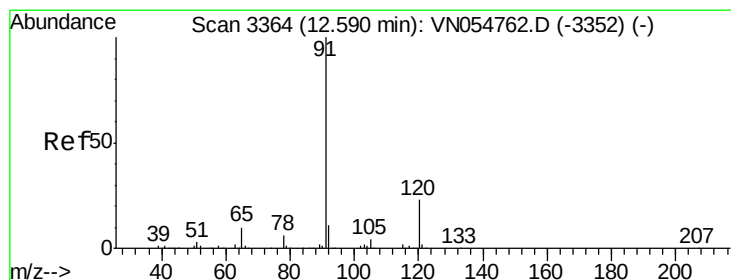
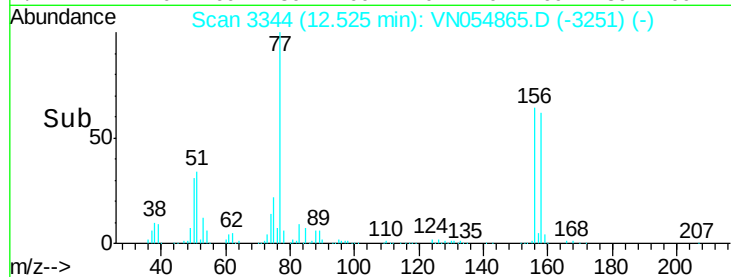
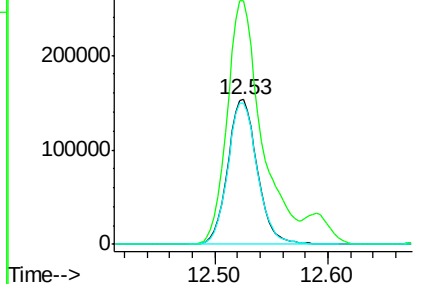
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.164 ug/l

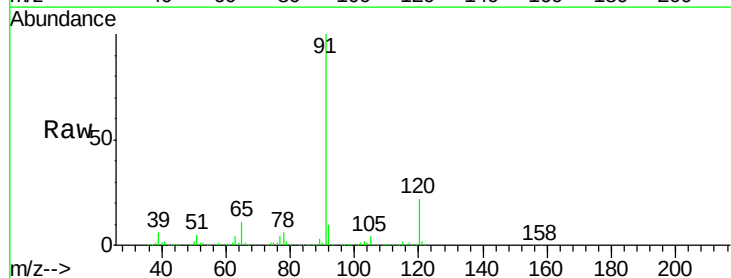
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054865.D

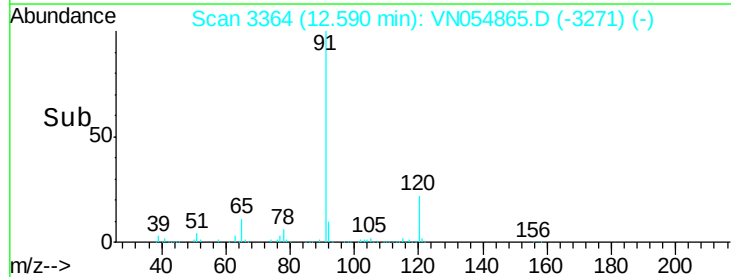
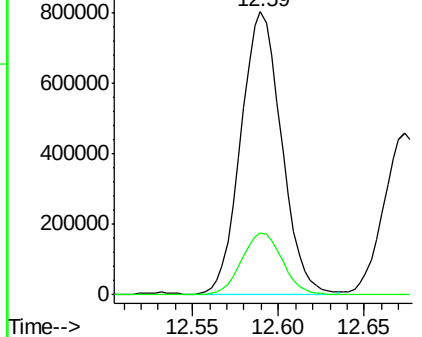
Acq: 1 Apr 2019 10:08

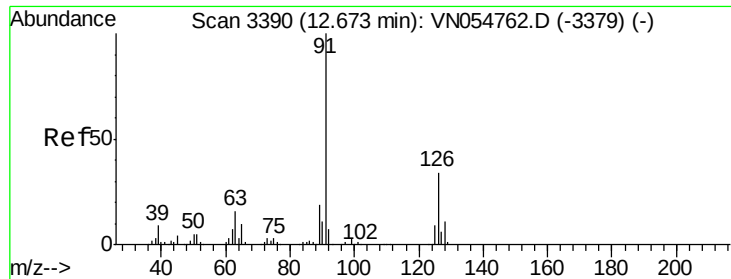
Tgt Ion:	91	Resp:	1316402
Ion Ratio	Lower	Upper	
91	100		
120	22.2	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.925 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 778066

Ion Ratio Lower Upper

91 100

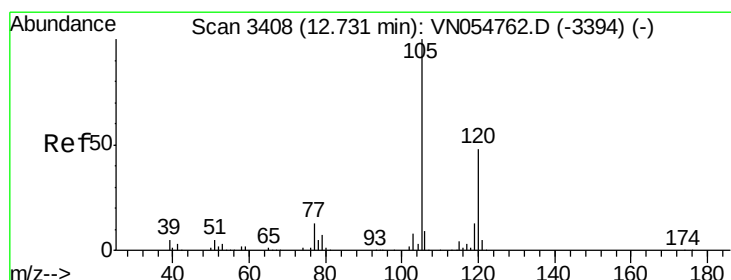
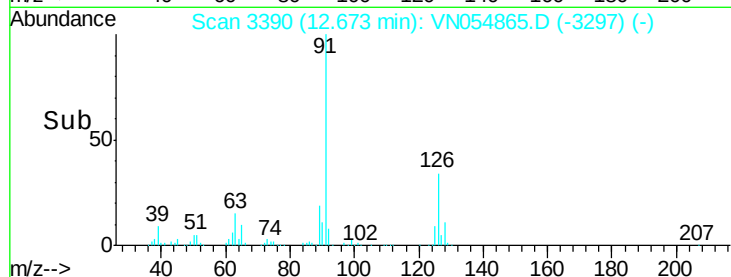
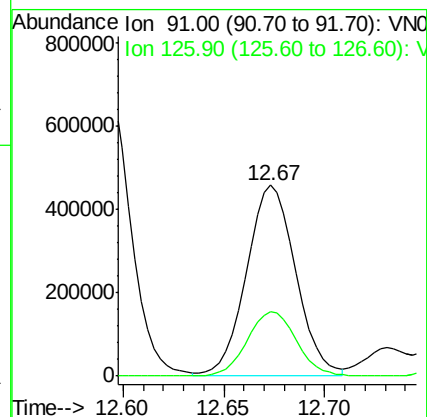
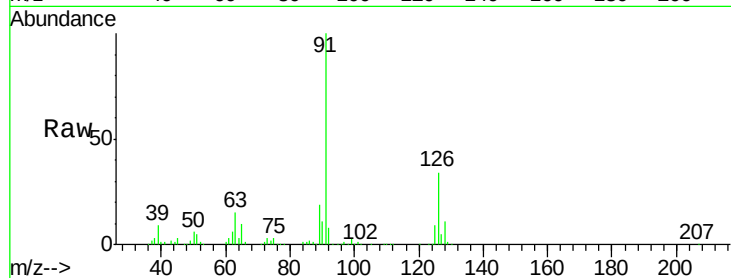
126 34.3 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.940 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054865.D

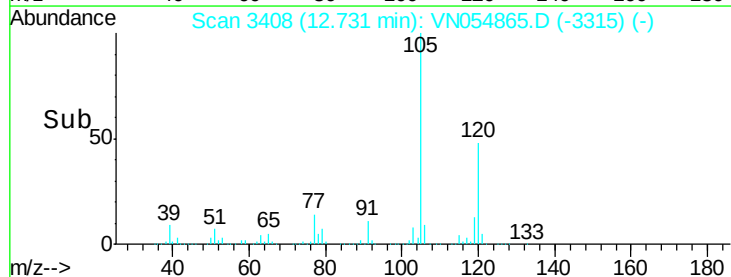
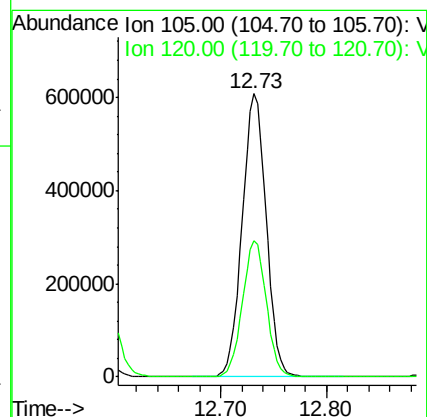
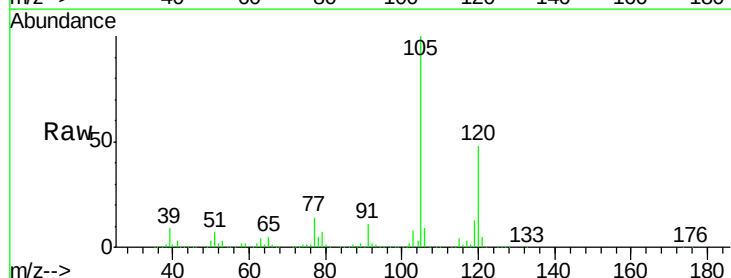
Acq: 1 Apr 2019 10:08

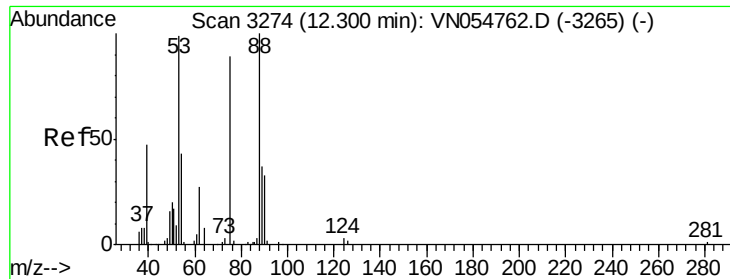
Tgt Ion: 105 Resp: 958771

Ion Ratio Lower Upper

105 100

120 47.8 25.0 75.0





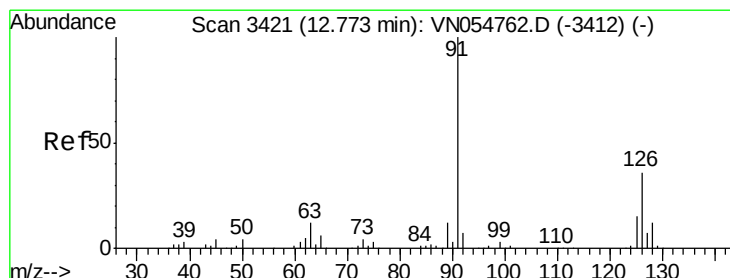
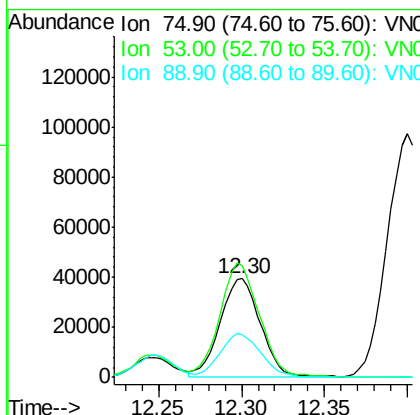
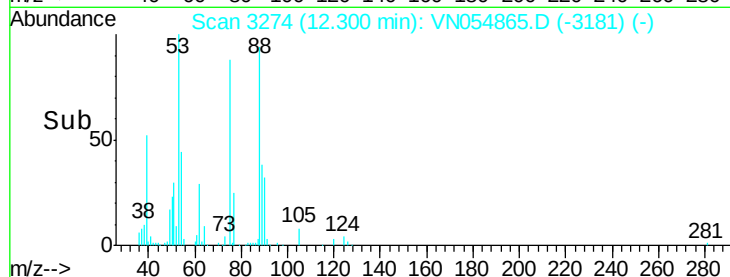
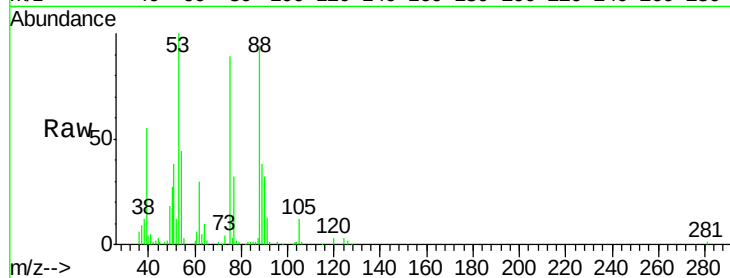
#81
trans-1,4-Dichloro-2-butene
Concen: 50.073 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.5	76.2	114.2#
89	44.5	39.2	58.8

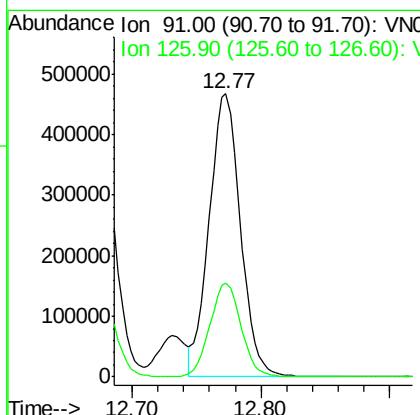
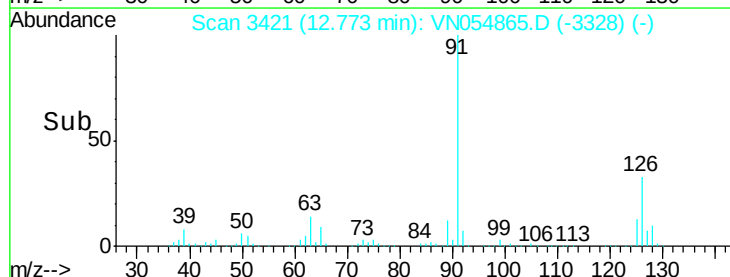
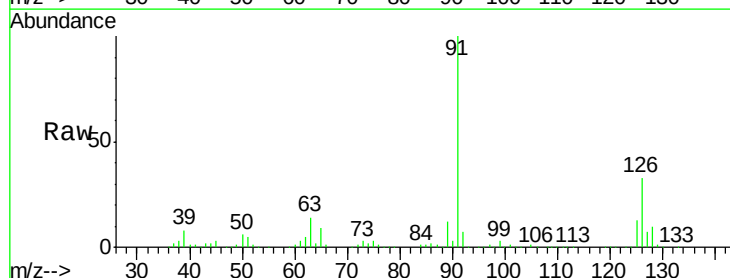
Manual Integrations
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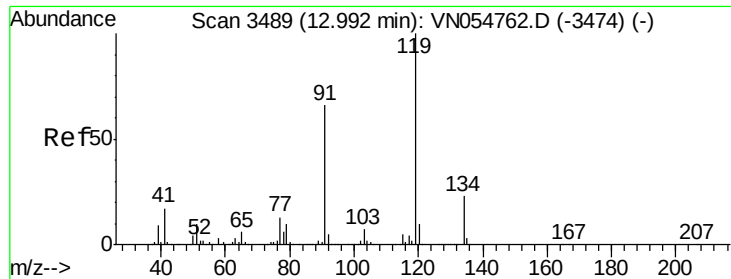
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#82
4-Chlorotoluene
Concen: 49.857 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	18.1	54.1





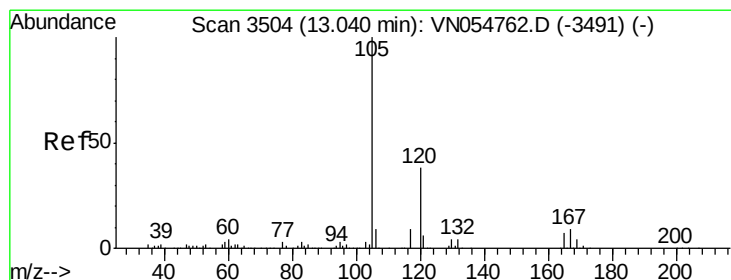
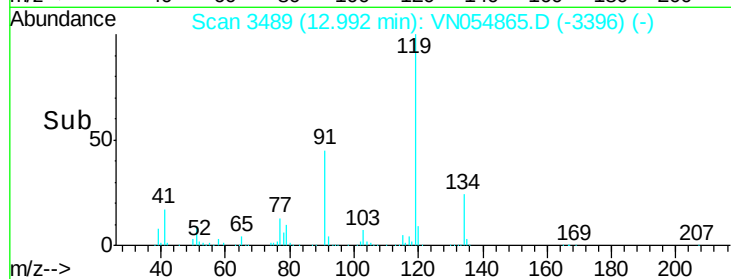
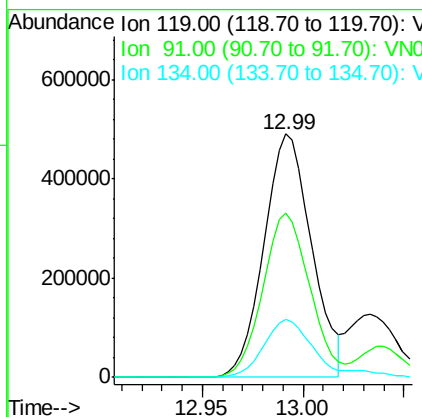
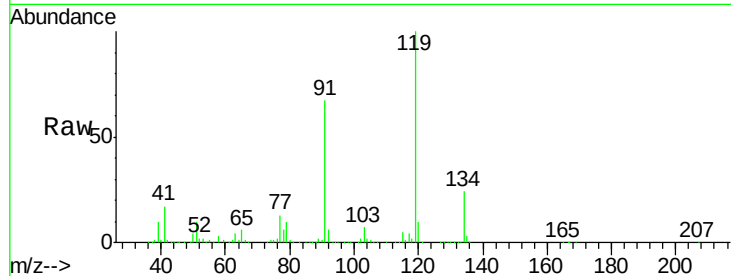
#83
 tert-Butylbenzene
 Concen: 53.284 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	806732		
91	66.4		30.9	92.8
134	25.7		13.2	39.6

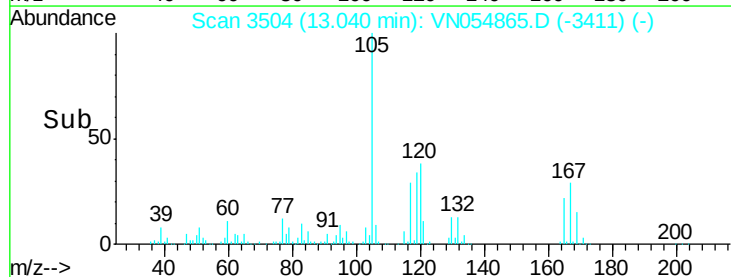
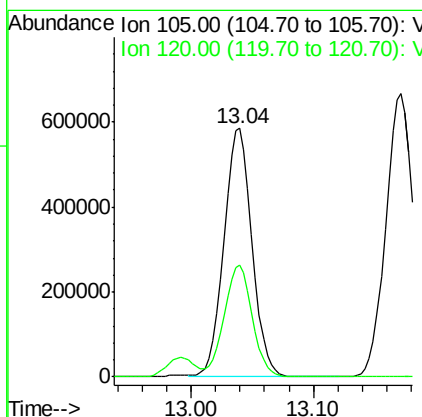
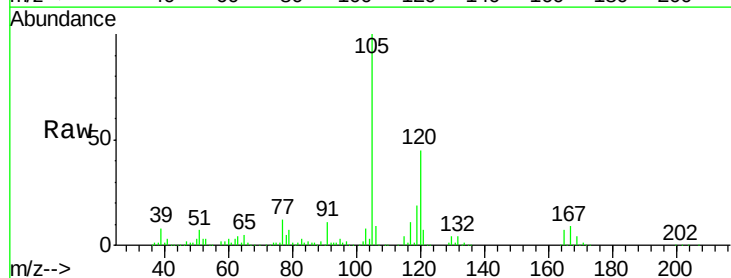
Manual Integrations
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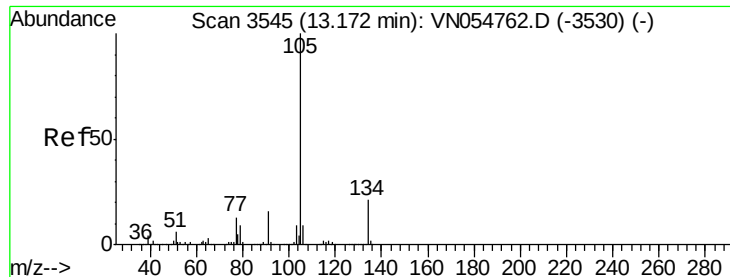
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.554 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	943553		
120	45.1		23.4	70.3





#85

sec-Butylbenzene

Concen: 50.251 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1069426

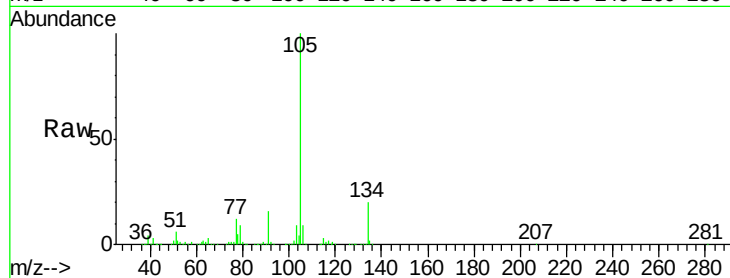
Ion Ratio Lower Upper

105 100

134 19.9 10.7 32.1

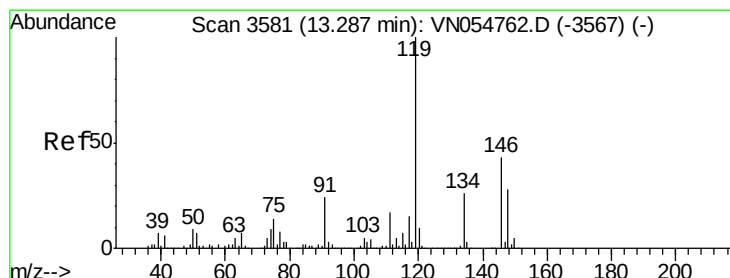
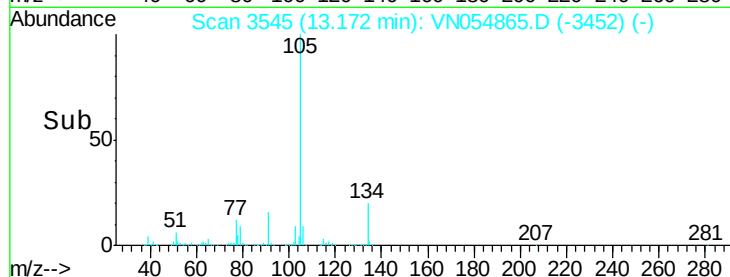
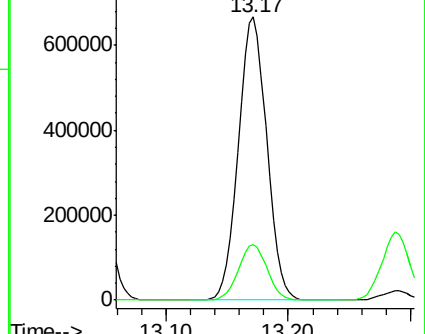
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.022 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

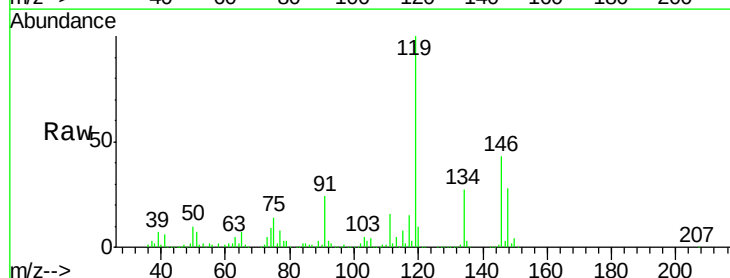
Tgt Ion:119 Resp: 957702

Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.8

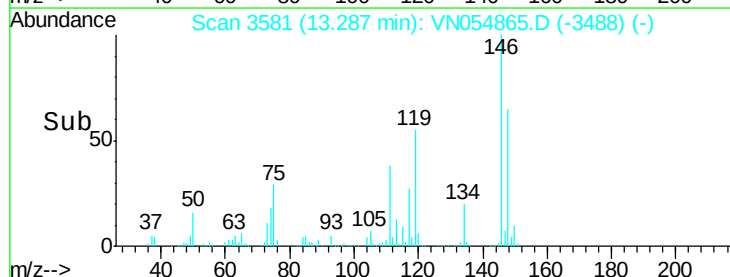
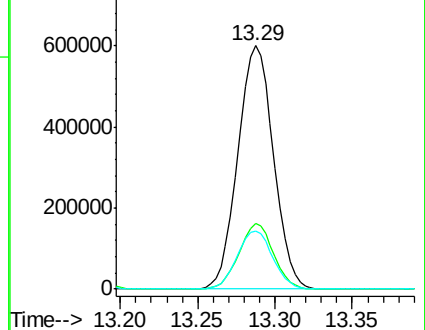
91 23.7 11.1 33.3

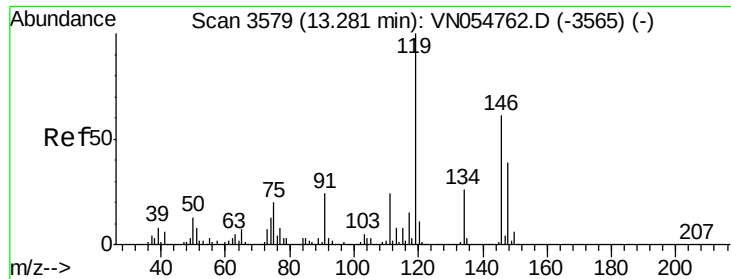


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.811 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

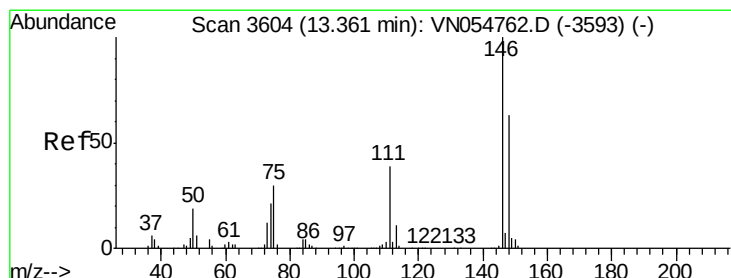
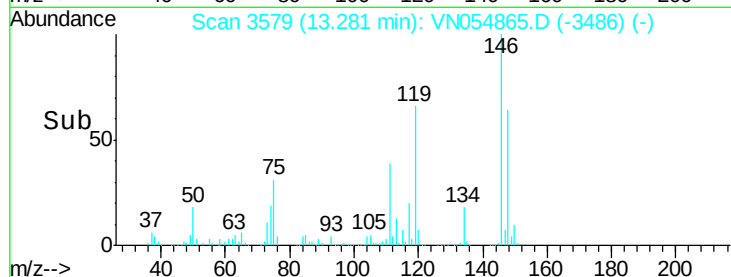
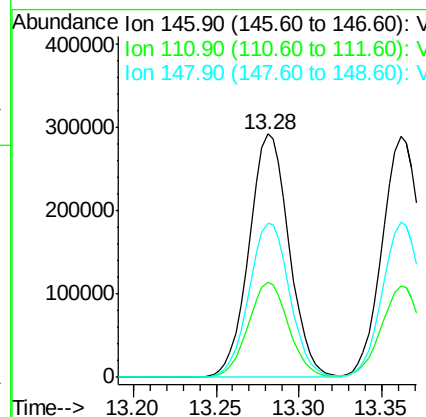
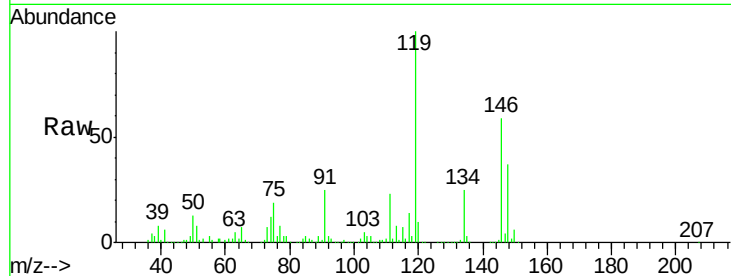
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	490199
Ion Ratio	Lower	Upper	
146	100		
111	39.4	18.8	56.3
148	64.5	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.615 ug/l

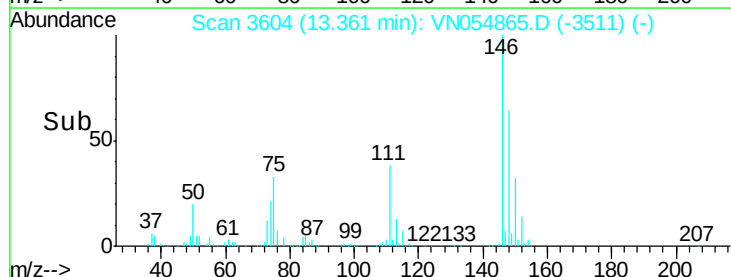
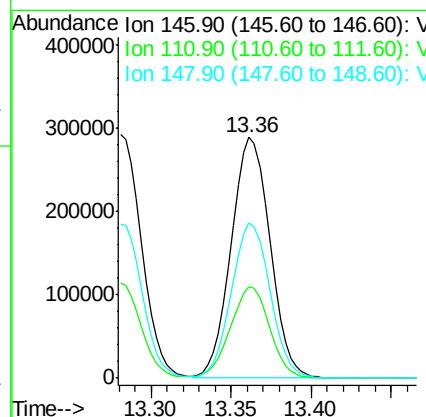
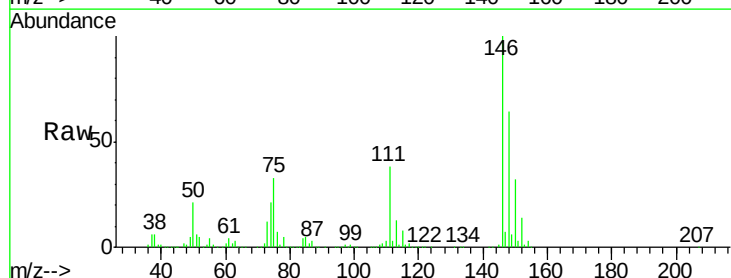
RT: 13.36 min Scan# 3604

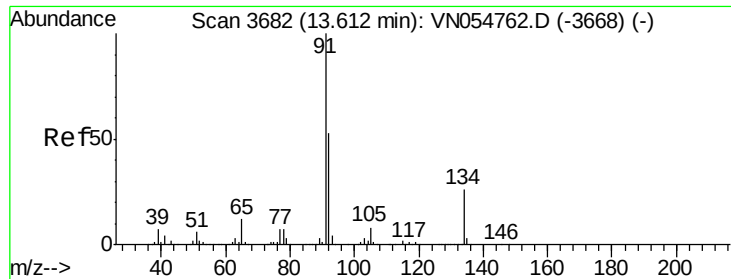
Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Tgt Ion:	146	Resp:	478931
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.1	54.1
148	64.4	32.0	96.0





#89

n-Butylbenzene

Concen: 53.747 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Instrument :

MSVOA_N

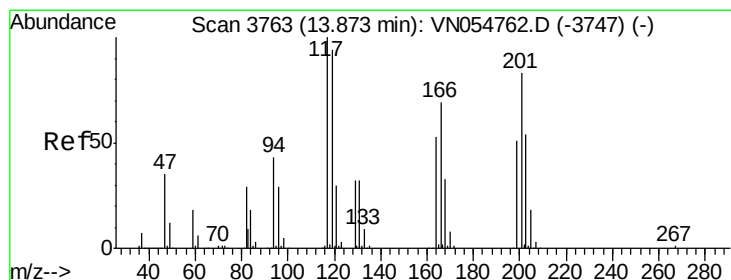
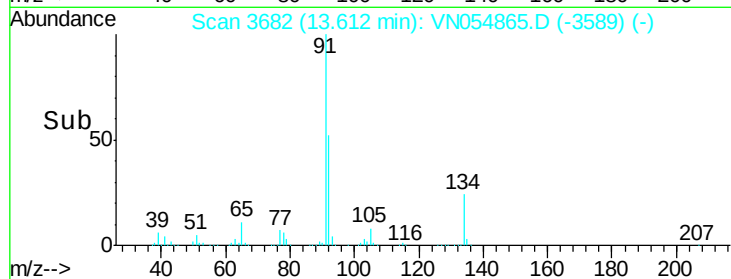
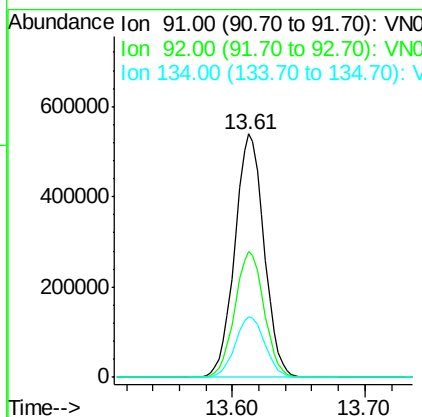
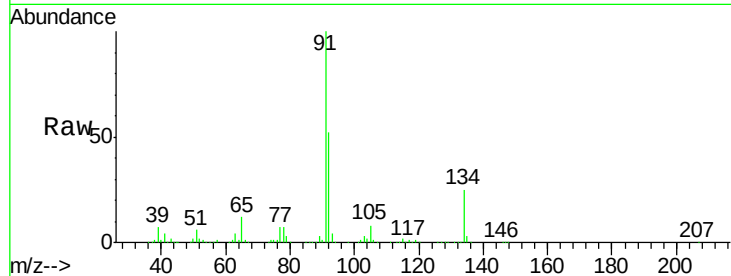
ClientSampled :

VSTDCCC050

Tot Ion:	91	Resp:	823106
Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.6
134	25.5	14.3	42.9

Manual Integrations
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#90

Hexachloroethane

Concen: 50.162 ug/l

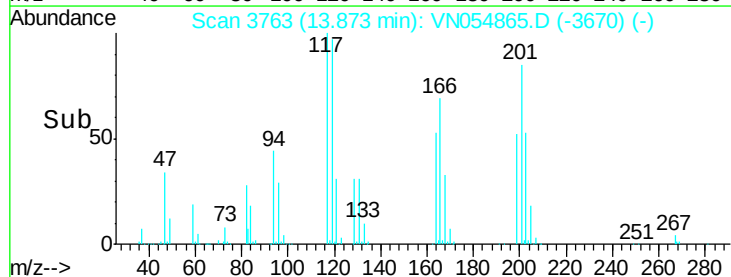
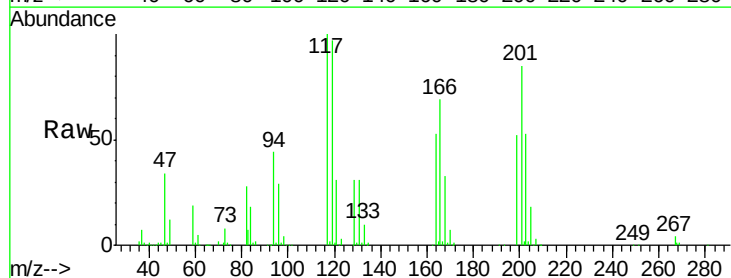
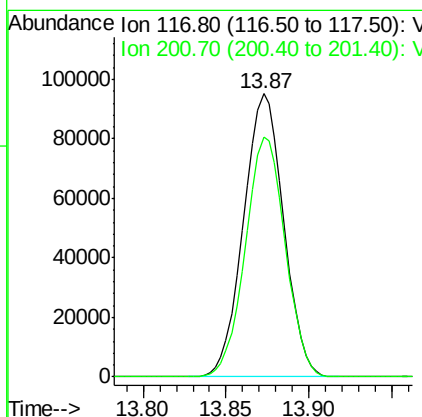
RT: 13.87 min Scan# 3763

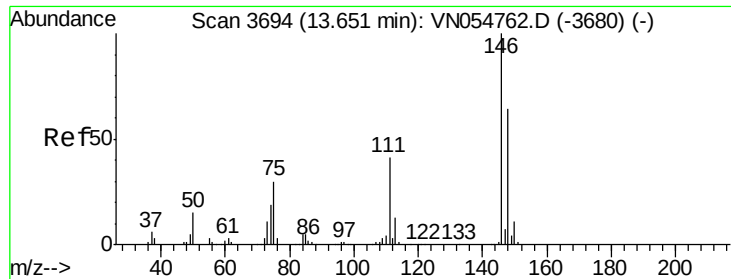
Delta R.T. -0.00 min

Lab File: VN054865.D

Acq: 1 Apr 2019 10:08

Tgt Ion:	117	Resp:	159860
Ion	Ratio	Lower	Upper
117	100		
201	84.2	48.1	144.4





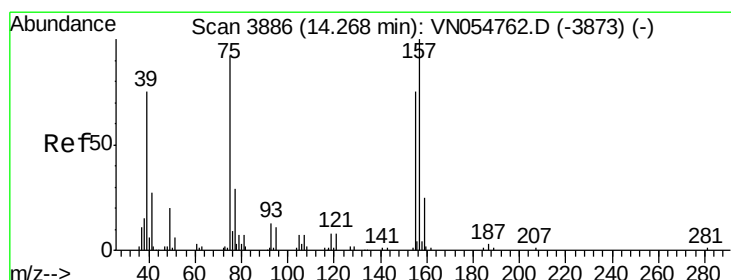
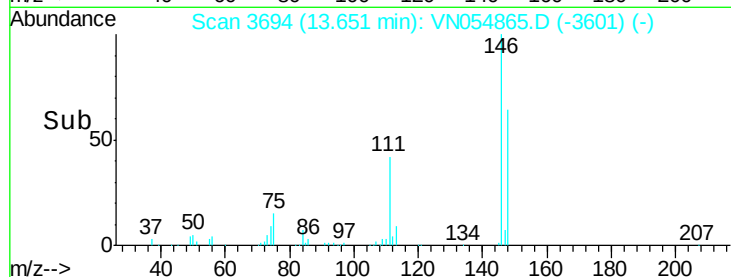
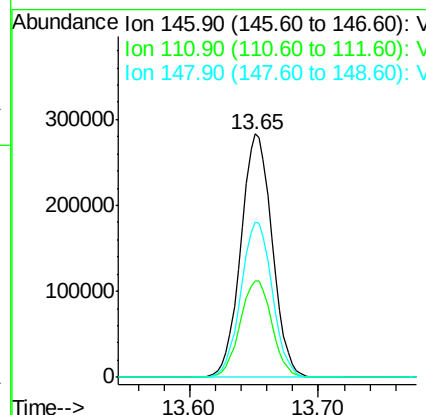
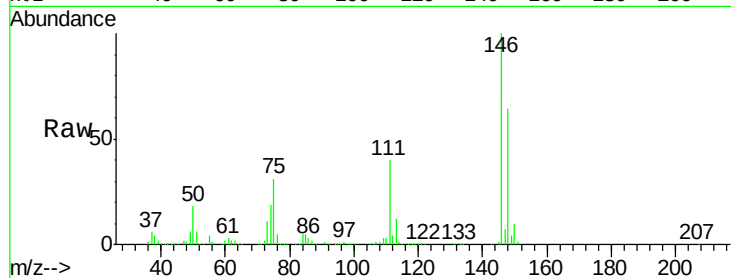
#91
 1,2-Dichlorobenzene
 Concen: 49.039 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.1	57.3
148	64.0	32.4	97.0

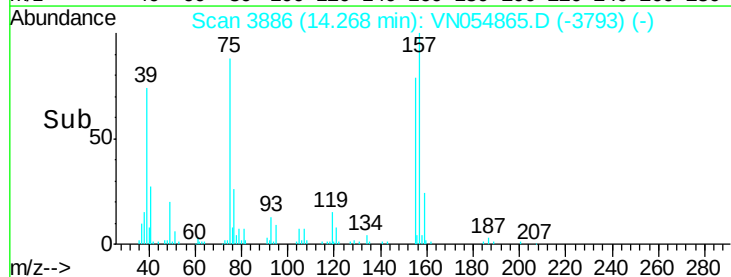
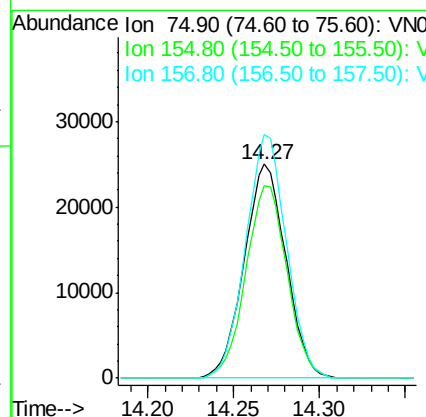
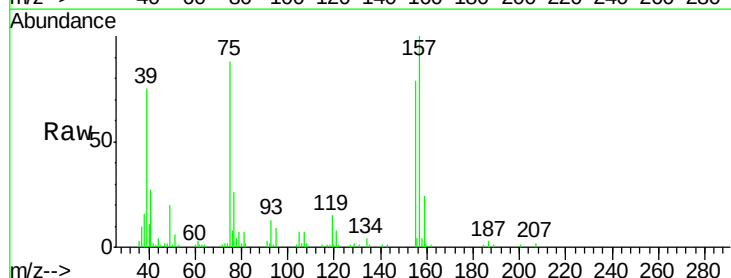
Manual Integrations
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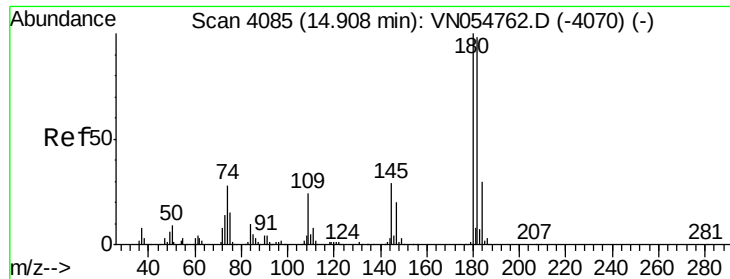
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.754 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	50.1	150.3
157	110.6	63.1	189.3





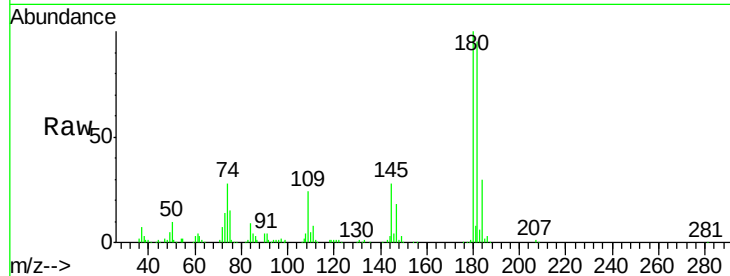
#93
 1,2,4-Trichlorobenzene
 Concen: 54.162 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	254239		
182	94.3	48.0	144.2	
145	28.1	14.2	42.8	

Manual Integrations
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MMDadoda
 4/2/2019 10:51:48 AM

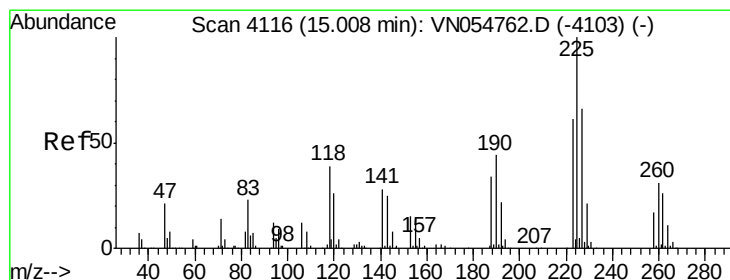
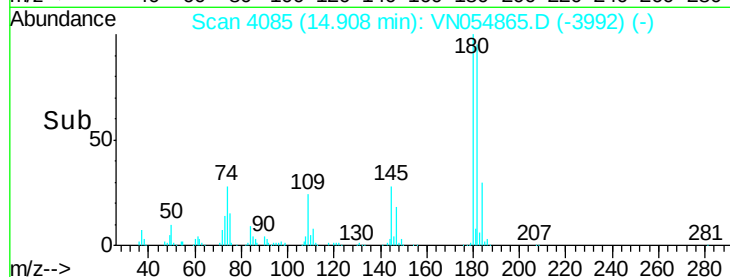
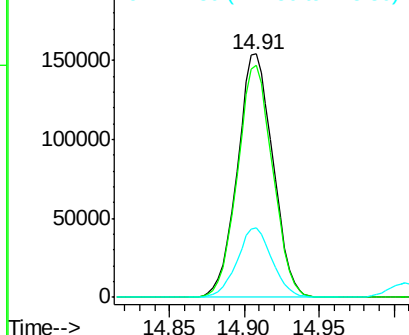


Abundance

Ion 179.80 (179.50 to 180.50): V

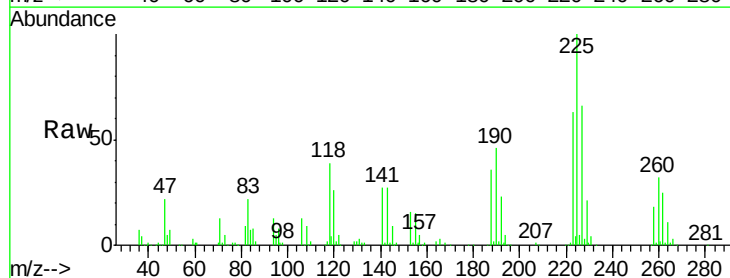
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 58.144 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054865.D
 Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	160685		
223	63.0	31.1	93.5	
227	65.2	31.9	95.9	

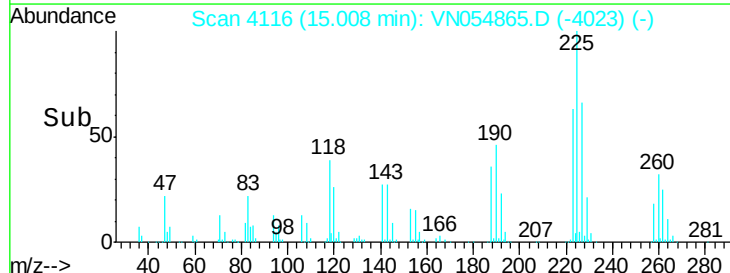
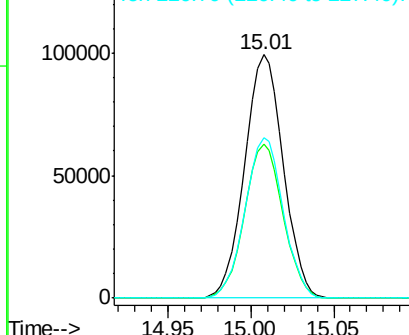


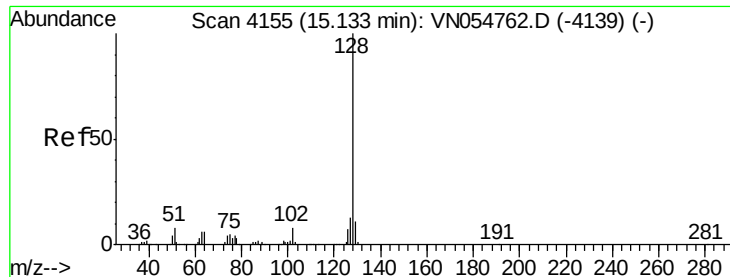
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





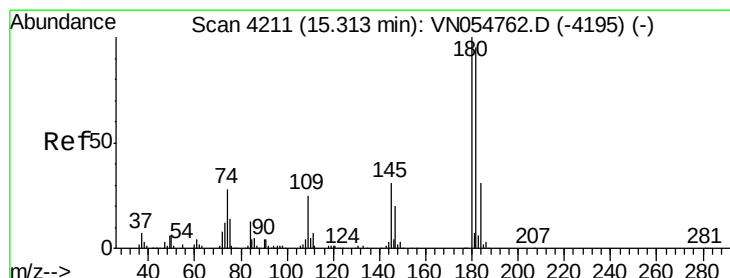
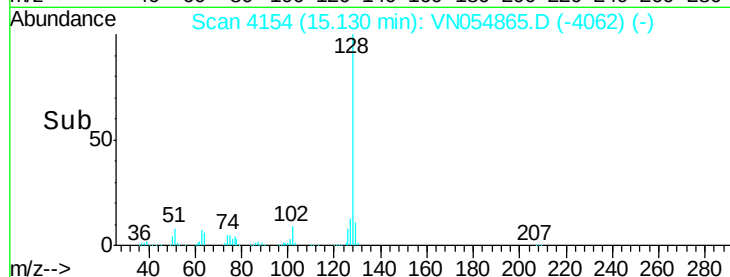
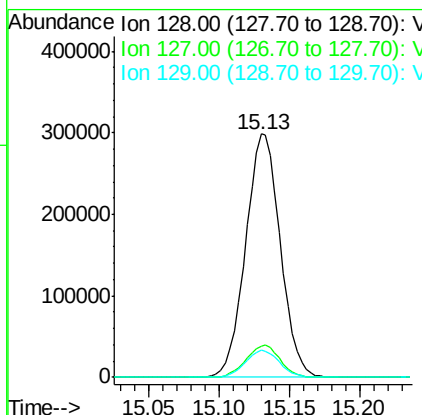
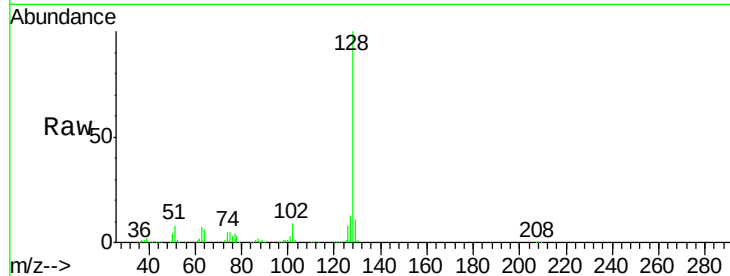
#95
Naphthalene
Concen: 48.861 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	514400		
127	13.0		10.1	15.1
129	11.0		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/2/2019 10:51:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.432 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054865.D
Acq: 1 Apr 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	243818		
182	96.2		47.5	142.6
145	31.4		14.8	44.3

