

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054130.D
 Acq On : 6 Mar 2019 21:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 11:39:37 AM

Quant Time: Mar 07 07:49:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	697916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1110377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	968984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	430595	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	402888	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
35) Dibromofluoromethane	7.59	113	351917	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.09	98	1336165	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.40	95	443508	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	298044	44.434	ug/l	97
3) Chloromethane	2.06	50	427094	50.902	ug/l	100
4) Vinyl Chloride	2.18	62	420639	46.286	ug/l	100
5) Bromomethane	2.57	94	243400	51.123	ug/l	98
6) Chloroethane	2.71	64	252899	45.912	ug/l	98
7) Trichlorofluoromethane	3.02	101	515837	46.460	ug/l	99
8) Diethyl Ether	3.41	74	209353	47.321	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	319072	44.174	ug/l	99
10) Methyl Iodide	3.95	142	452311	53.639	ug/l	100
11) Tert butyl alcohol	4.78	59	134261	263.295	ug/l	97
12) 1,1-Dichloroethene	3.74	96	314750	46.711	ug/l	100
13) Acrolein	3.60	56	158888	312.813	ug/l	98
14) Allyl chloride	4.32	41	596467	49.127	ug/l	99
15) Acrylonitrile	4.98	53	701065	243.574	ug/l	99
16) Acetone	3.81	43	484748	187.776	ug/l	99
17) Carbon Disulfide	4.05	76	951521	48.929	ug/l	100
18) Methyl Acetate	4.32	43	307511	50.671	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	946286	50.040	ug/l	99
20) Methylene Chloride	4.55	84	372158	50.931	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	341622	46.182	ug/l	99
22) Diisopropyl ether	5.95	45	1193409	50.448	ug/l	99
23) Vinyl Acetate	5.89	43	4310680	256.529	ug/l	100
24) 1,1-Dichloroethane	5.85	63	677981	47.902	ug/l	99
25) 2-Butanone	6.83	43	794859	231.420	ug/l	99
26) 2,2-Dichloropropane	6.82	77	456589	44.758	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	394274	47.798	ug/l	100
28) Bromochloromethane	7.19	49	351865	49.809	ug/l	98
29) Tetrahydrofuran	7.21	42	549810	244.222	ug/l	100
30) Chloroform	7.37	83	646694	47.686	ug/l	99
31) Cyclohexane	7.65	56	625325	49.711	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	537265	47.784	ug/l	99
36) 1,1-Dichloropropene	7.79	75	490634	47.076	ug/l	100
37) Ethyl Acetate	6.93	43	356559	47.545	ug/l	98
38) Carbon Tetrachloride	7.77	117	466886	46.925	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054130.D
 Acq On : 6 Mar 2019 21:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 11:39:37 AM

Quant Time: Mar 07 07:49:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:25:49 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	572729	47.616	ug/l	99
40) Benzene	8.04	78	1511126	49.008	ug/l	100
41) Methacrylonitrile	7.17	41	196704	50.327	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	469989	48.118	ug/l	100
43) Isopropyl Acetate	8.16	43	620735	49.871	ug/l	99
44) Trichloroethene	8.83	130	388234	46.956	ug/l	96
45) 1,2-Dichloropropane	9.12	63	412383	48.487	ug/l	99
46) Dibromomethane	9.21	93	236544	48.721	ug/l	99
47) Bromodichloromethane	9.40	83	493533	48.561	ug/l	100
48) Methyl methacrylate	9.20	41	299808	52.278	ug/l	98
49) 1,4-Dioxane	9.20	88	77149	935.797	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1725148	259.279	ug/l	100
52) Toluene	10.16	92	901726	49.361	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	505937	50.471	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	595271	50.244	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	333889	48.537	ug/l	99
56) Ethyl methacrylate	10.43	69	438390	54.287	ug/l	99
57) 1,3-Dichloropropane	10.71	76	577269	49.183	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	970123	262.462	ug/l	99
59) 2-Hexanone	10.75	43	1084835	247.145	ug/l	98
60) Dibromochloromethane	10.90	129	365322	49.667	ug/l	100
61) 1,2-Dibromoethane	11.00	107	320931	49.031	ug/l	97
64) Tetrachloroethene	10.63	164	360195	45.295	ug/l	98
65) Chlorobenzene	11.43	112	962332	47.723	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	349804	48.460	ug/l	99
67) Ethyl Benzene	11.51	91	1657915	49.133	ug/l	99
68) m/p-Xylenes	11.62	106	1263594	99.231	ug/l	99
69) o-Xylene	11.95	106	615661	50.244	ug/l	99
70) Styrene	11.96	104	991743	50.987	ug/l	100
71) Bromoform	12.13	173	250814	50.486	ug/l #	100
73) Isopropylbenzene	12.25	105	1605120	46.849	ug/l	100
74) N-amyl acetate	12.07	43	490714	54.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	405019	51.315	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	344333m	46.923	ug/l	
77) Bromobenzene	12.53	156	414147	52.459	ug/l	99
78) n-propylbenzene	12.59	91	1853320	48.072	ug/l	99
79) 2-Chlorotoluene	12.67	91	1108687	47.349	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1348757	48.427	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	107017	50.082	ug/l	99
82) 4-Chlorotoluene	12.77	91	1109258	47.522	ug/l	100
83) tert-Butylbenzene	12.99	119	1188084	48.169	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1351652	48.896	ug/l	98
85) sec-Butylbenzene	13.17	105	1580300	47.213	ug/l	99
86) p-Isopropyltoluene	13.29	119	1355632	48.176	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	700536	46.722	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	678712	45.611	ug/l	99
89) n-Butylbenzene	13.61	91	1152221	48.498	ug/l	99
90) Hexachloroethane	13.88	117	240651	44.589	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	688766	51.025	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60477	48.378	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
Data File : VN054130.D
Acq On : 6 Mar 2019 21:18
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

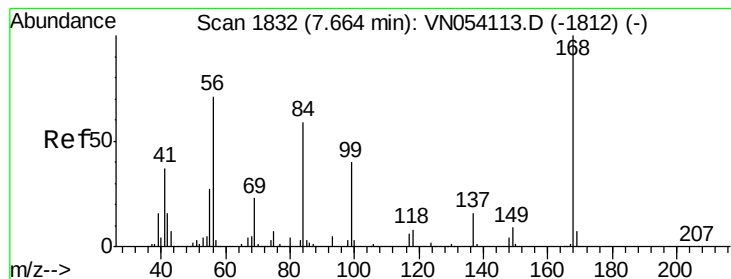
Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:37 AM

Quant Time: Mar 07 07:49:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:25:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	347724	48.803	ug/l	99
94) Hexachlorobutadiene	15.01	225	213150	48.082	ug/l	100
95) Naphthalene	15.13	128	817813	50.449	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	335250	47.034	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 697916

Ion Ratio Lower Upper

168 100

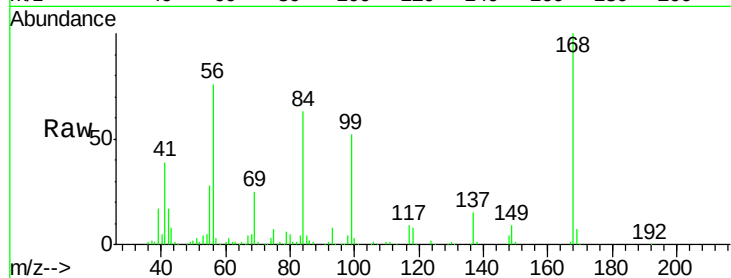
99 51.3 41.1 61.7

Manual Integrations

APPROVED

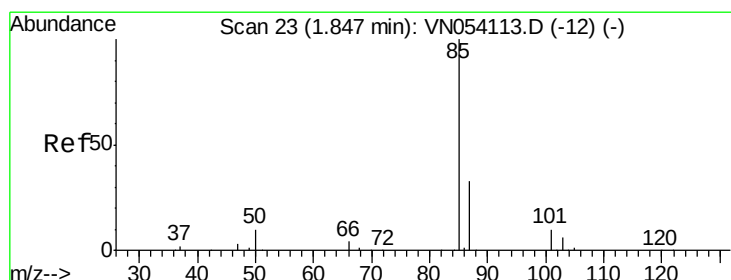
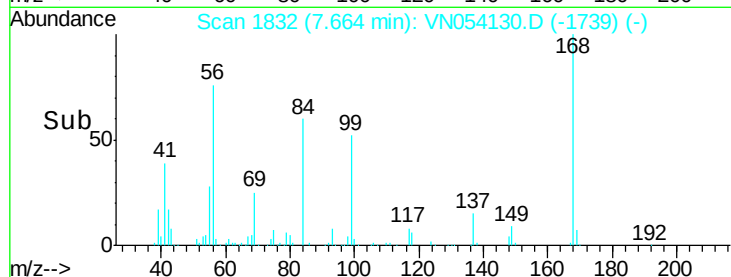
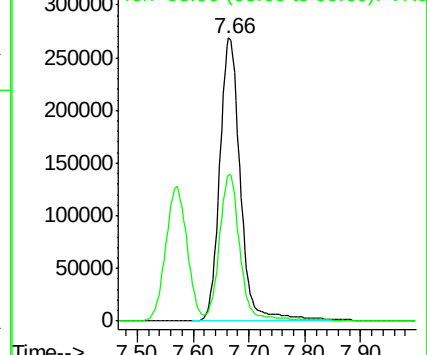
MMDadoda

3/7/2019 11:39:37 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.434 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054130.D

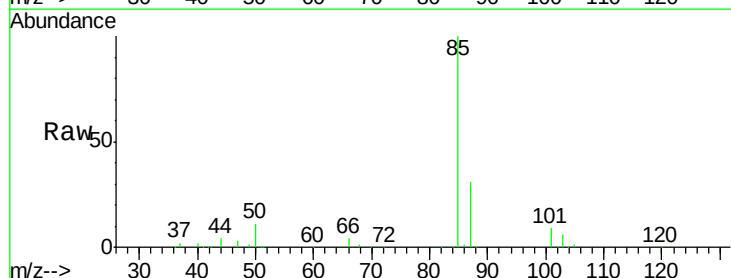
Acq: 6 Mar 2019 21:18

Tgt Ion: 85 Resp: 298044

Ion Ratio Lower Upper

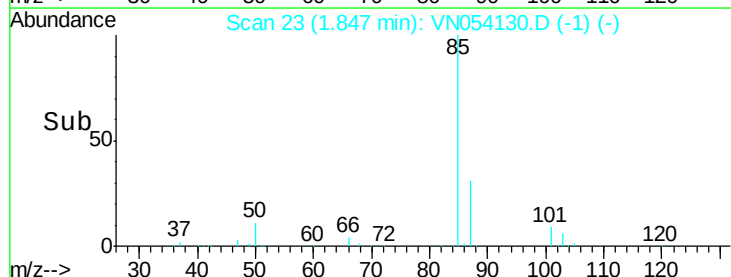
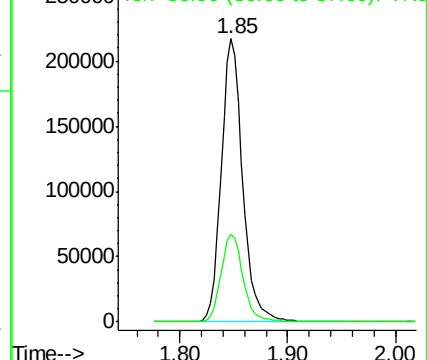
85 100

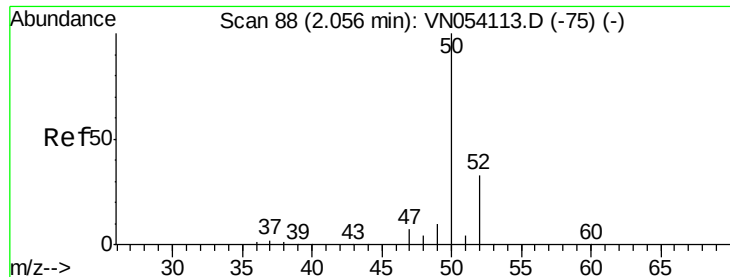
87 30.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.902 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 427094

Ion Ratio Lower Upper

50 100

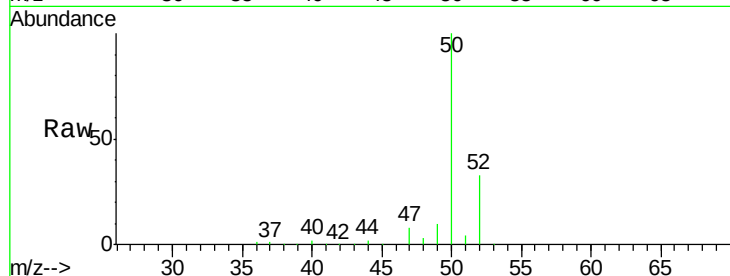
52 32.6 26.0 39.0

Manual Integrations

APPROVED

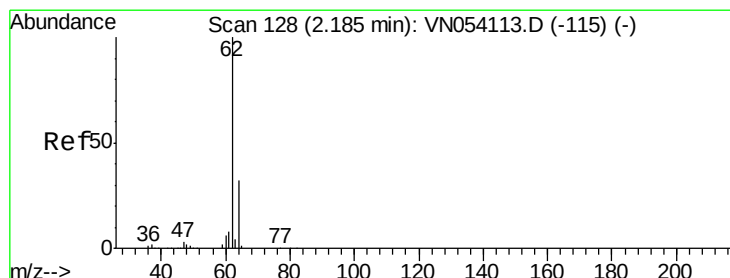
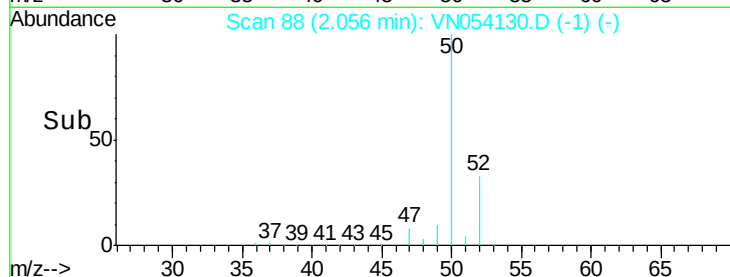
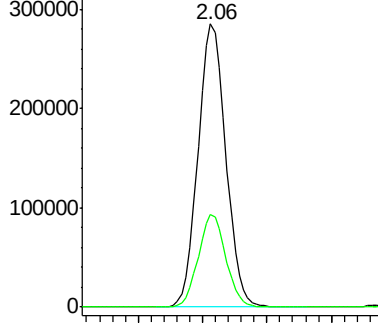
MMDadoda

3/7/2019 11:39:37 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.286 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN054130.D

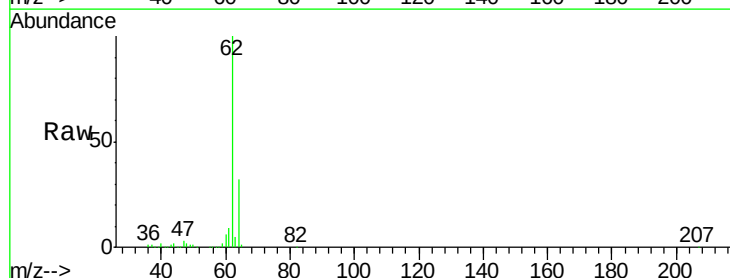
Acq: 6 Mar 2019 21:18

Tgt Ion: 62 Resp: 420639

Ion Ratio Lower Upper

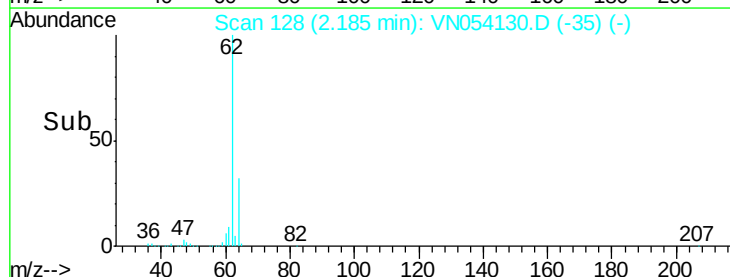
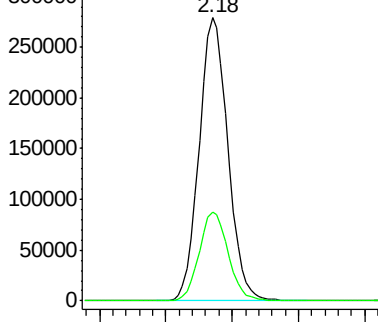
62 100

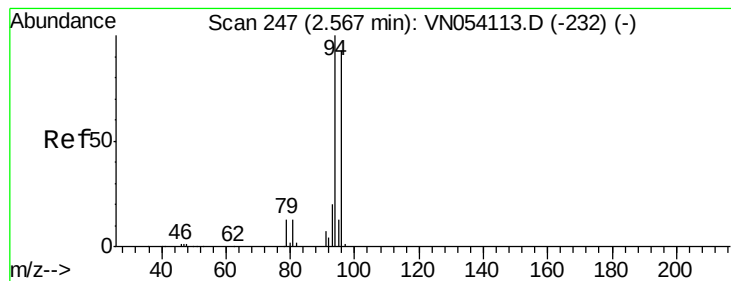
64 31.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 51.123 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 243400

Ion Ratio Lower Upper

94 100

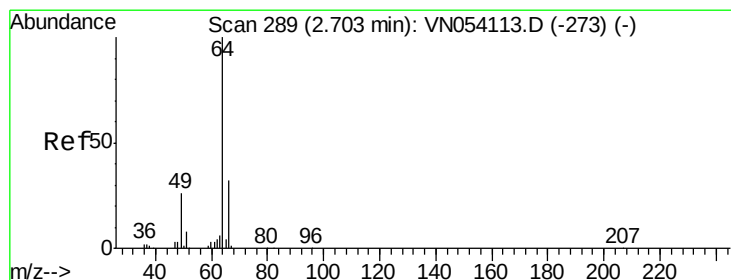
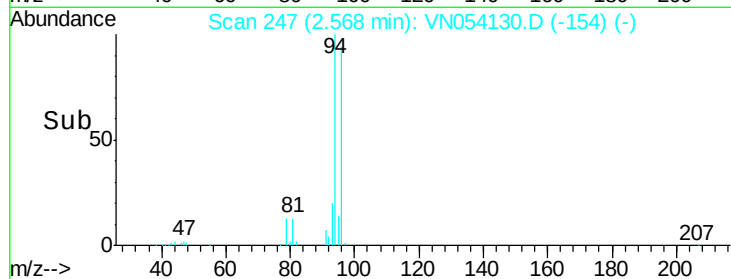
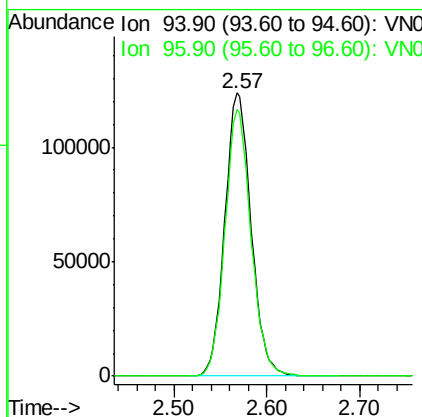
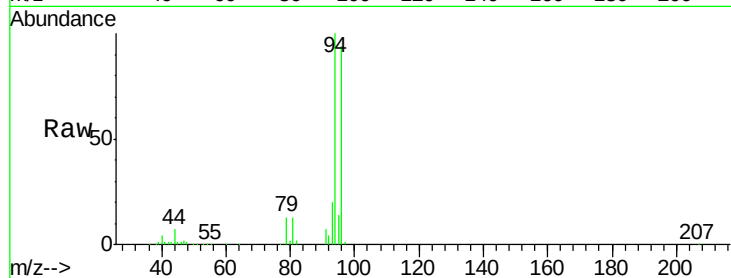
96 94.2 74.2 111.4

Manual Integrations

APPROVED

MMDadoda

3/7/2019 11:39:37 AM



#6

Chloroethane

Concen: 45.912 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054130.D

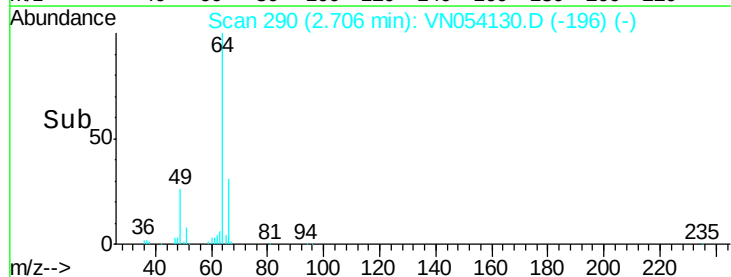
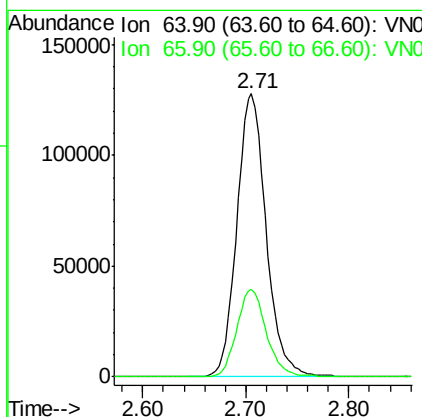
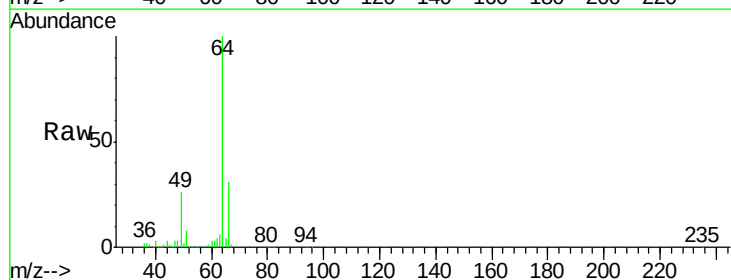
Acq: 6 Mar 2019 21:18

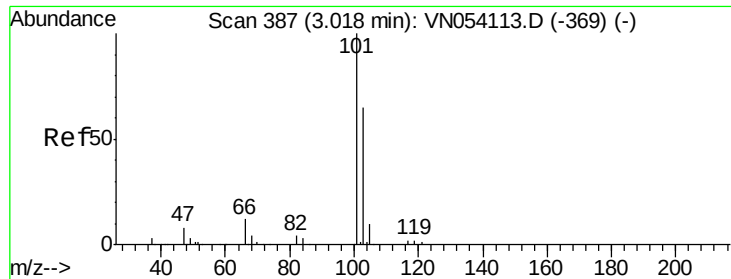
Tgt Ion: 64 Resp: 252899

Ion Ratio Lower Upper

64 100

66 30.9 25.4 38.2





#7

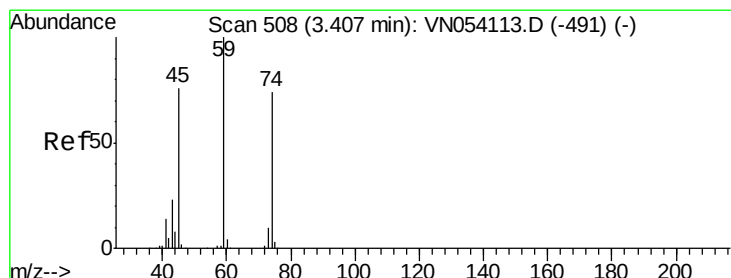
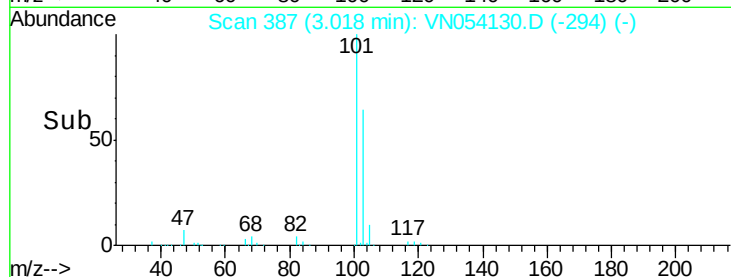
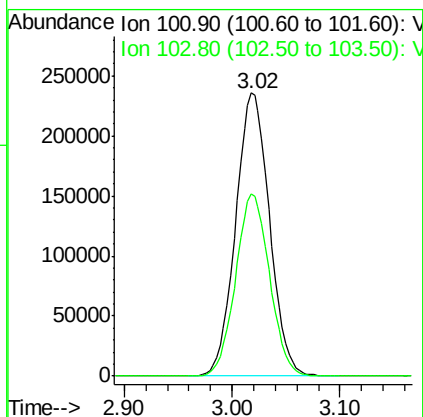
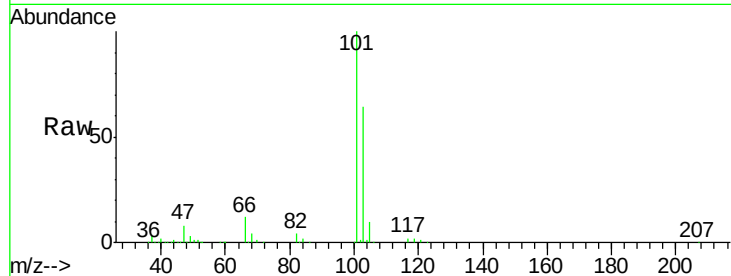
Trichlorofluoromethane
Concen: 46.460 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.0	78.0

Manual Integrations
APPROVED

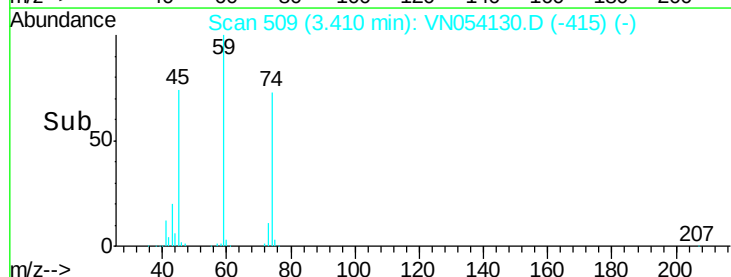
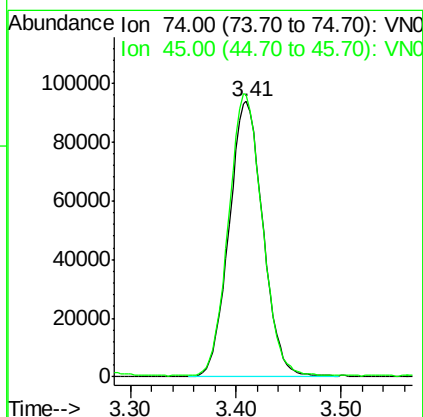
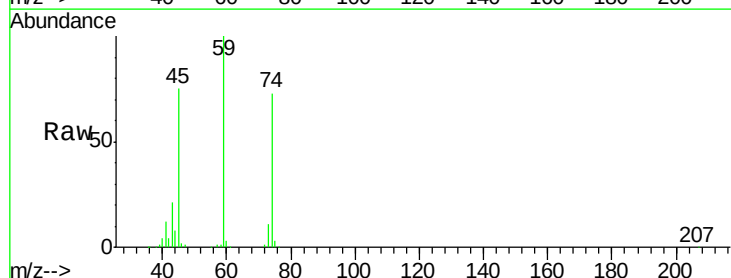
MMDadoda
3/7/2019 11:39:37 AM

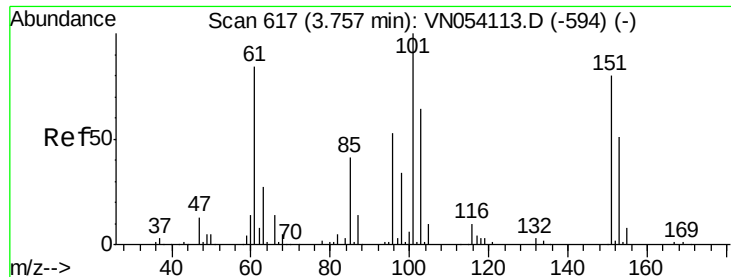


#8

Diethyl Ether
Concen: 47.321 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.174 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

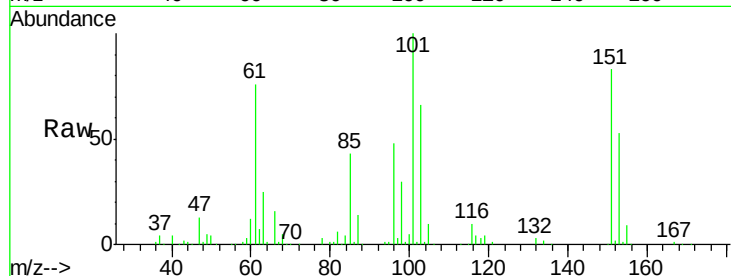
ClientSampled :

VSTDCCC050EC

Tot Ion:	101	Resp:	319072
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.1	49.7
151	81.3	64.3	96.5

Manual Integrations
APPROVED

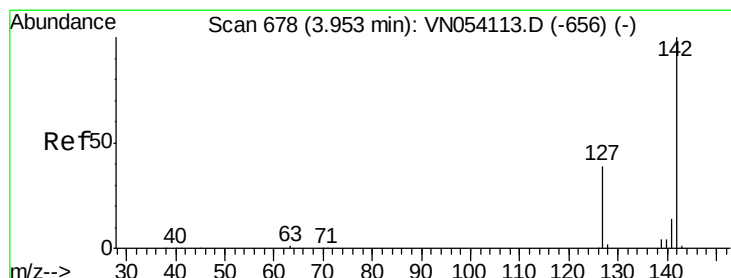
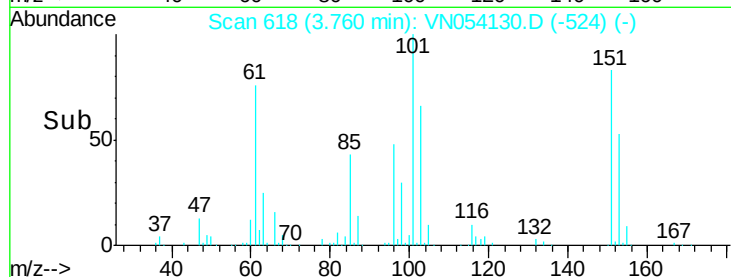
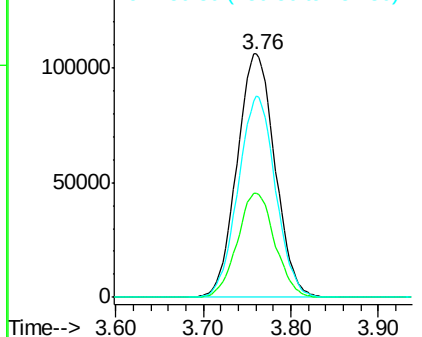
MMDadoda
3/7/2019 11:39:37 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.639 ug/l

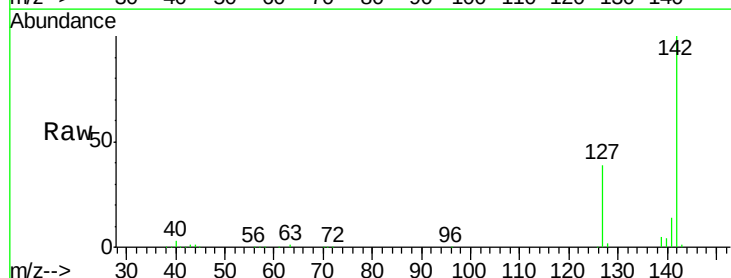
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

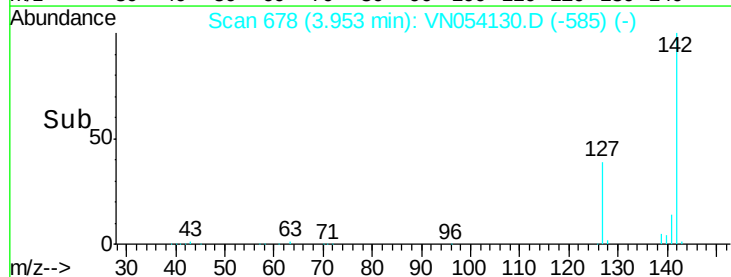
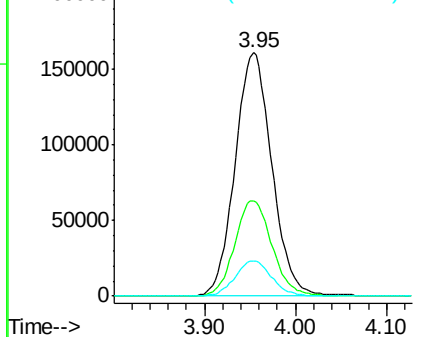
Tgt Ion:	142	Resp:	452311
Ion Ratio	Lower	Upper	
142	100		
127	39.9	31.9	47.9
141	14.3	11.4	17.0

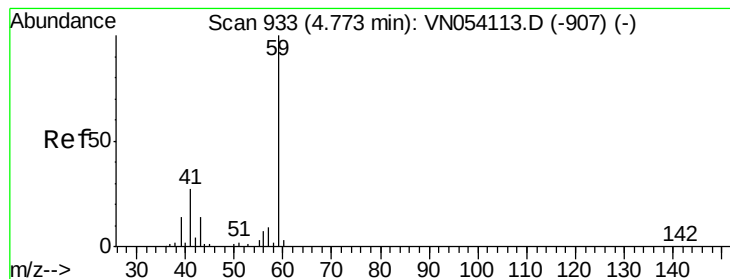


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

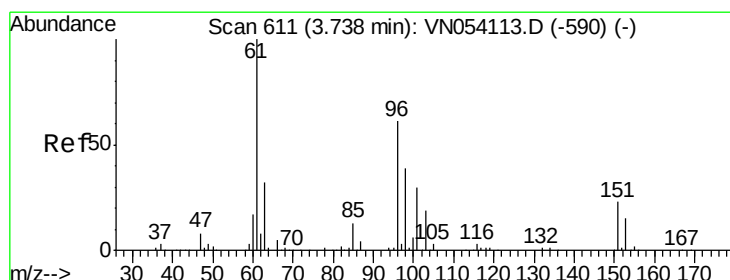
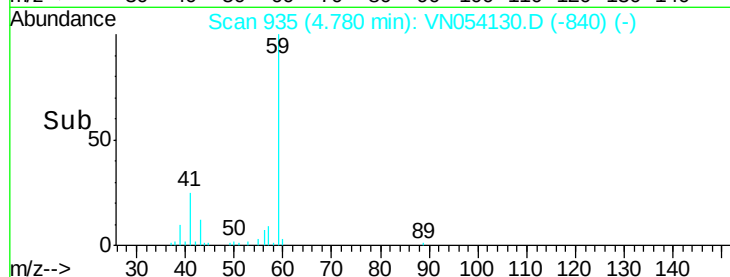
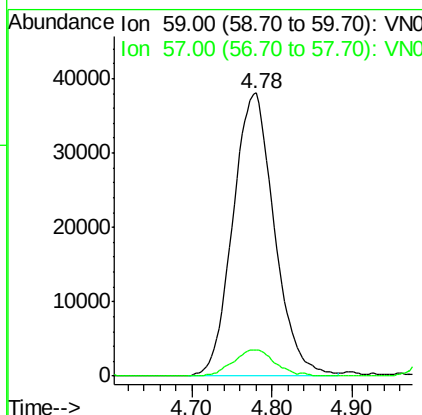
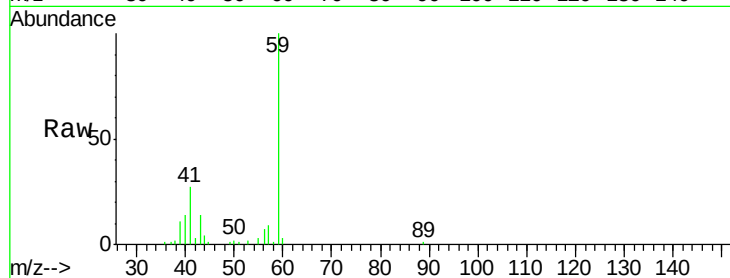
Tert butyl alcohol
Concen: 263.295 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	8.2	12.4

Manual Integrations
APPROVED

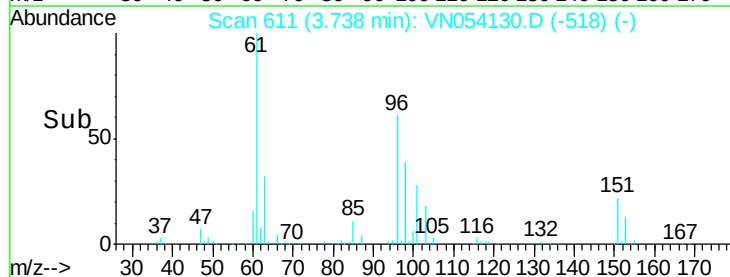
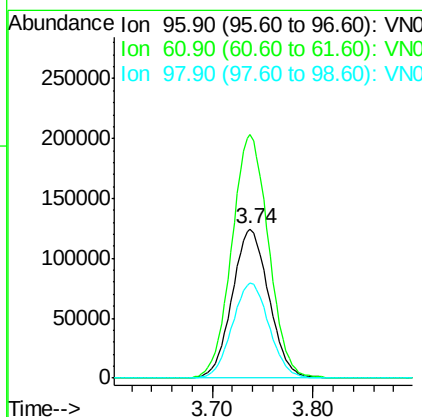
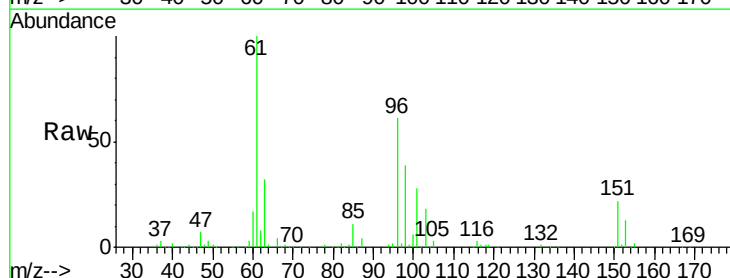
MMDadoda
3/7/2019 11:39:37 AM

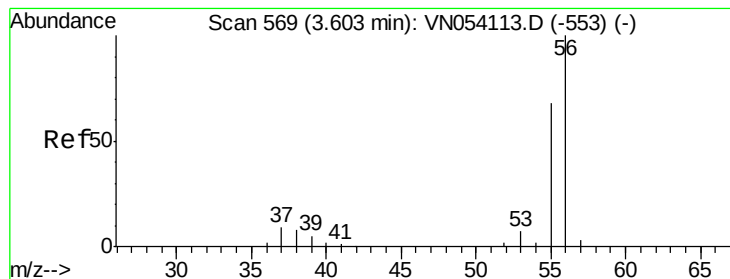


#12

1,1-Dichloroethene
Concen: 46.711 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.3	131.2	196.8
98	63.7	50.7	76.1





#13

Acrolein

Concen: 312.813 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 56 Resp: 158888

Ion Ratio Lower Upper

56 100

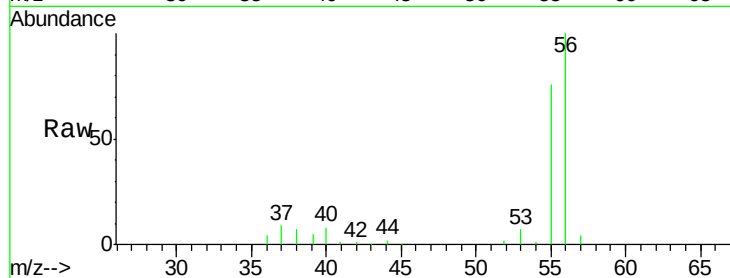
55 73.0 57.1 85.7

Manual Integrations

APPROVED

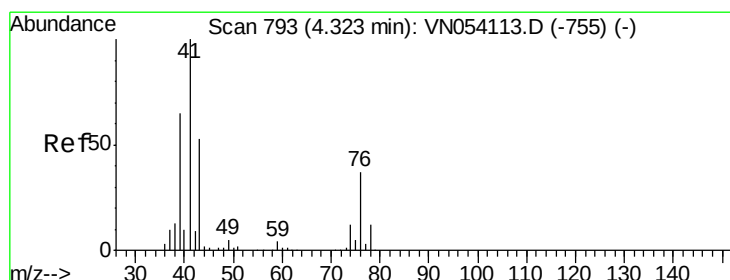
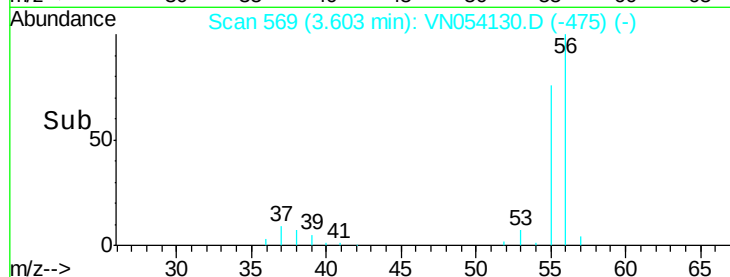
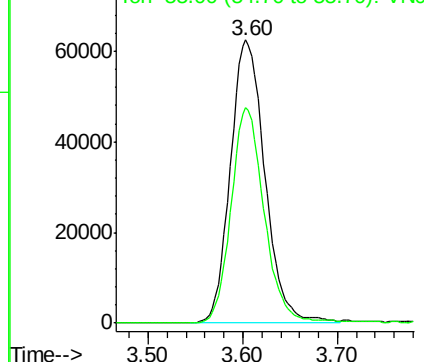
MMDadoda

3/7/2019 11:39:37 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.127 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

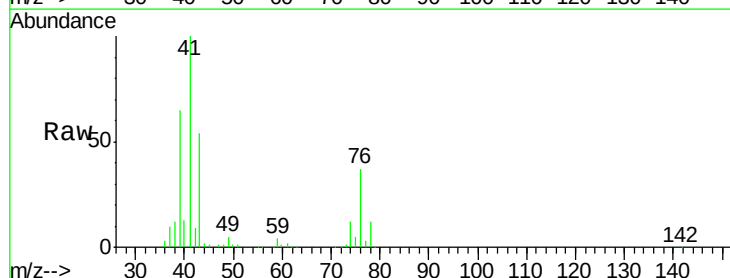
Tgt Ion: 41 Resp: 596467

Ion Ratio Lower Upper

41 100

39 61.2 49.3 73.9

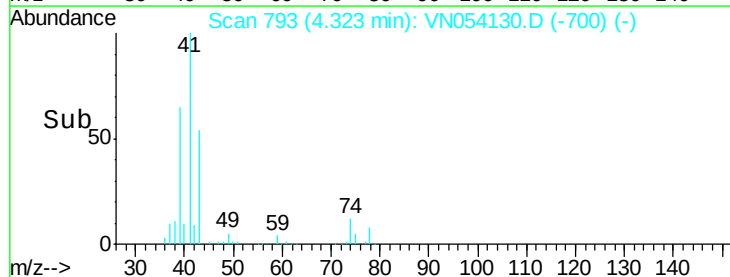
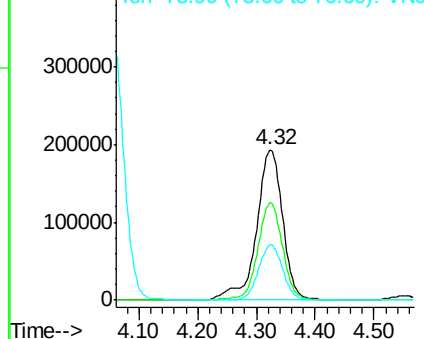
76 33.5 26.5 39.7

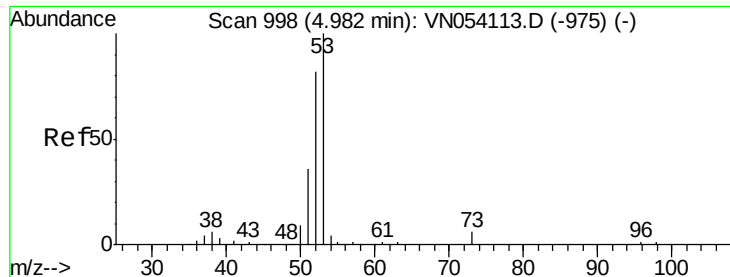


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 243.574 ug/l

RT: 4.98 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

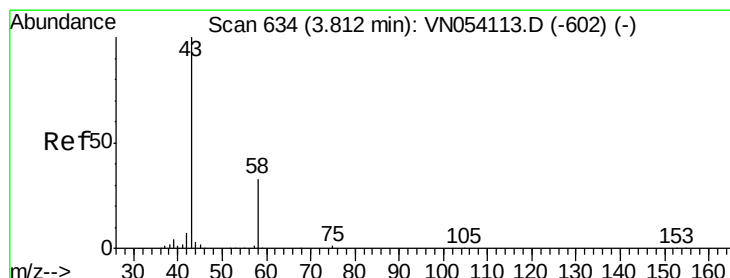
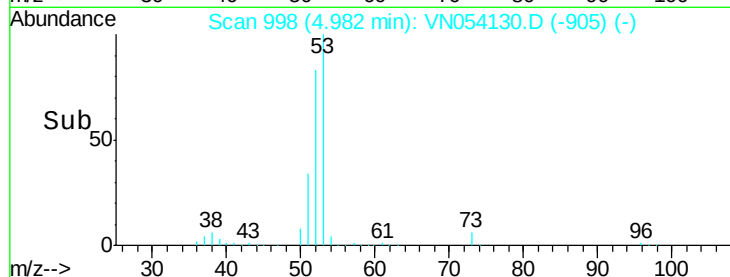
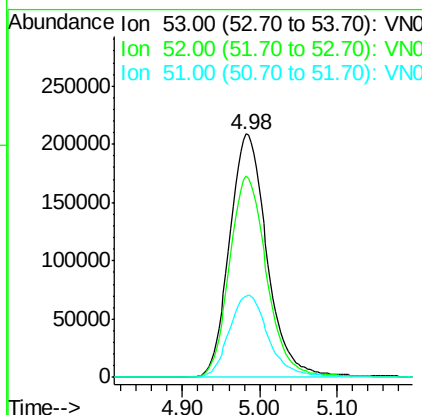
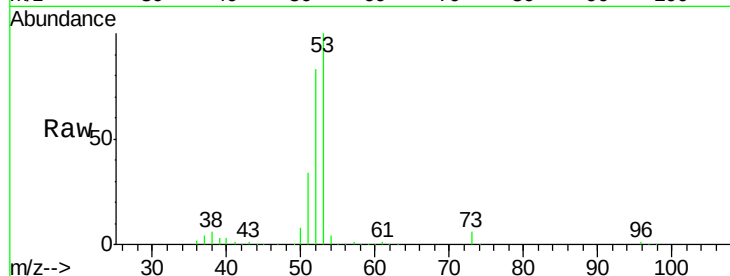
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	701065
Ion	Ratio	Lower	Upper
53	100		
52	82.3	64.6	97.0
51	35.5	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:37 AM



#16

Acetone

Concen: 187.776 ug/l

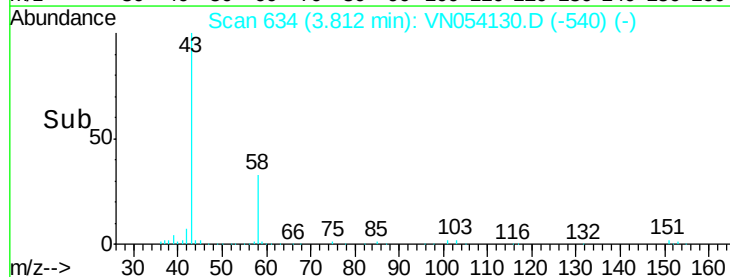
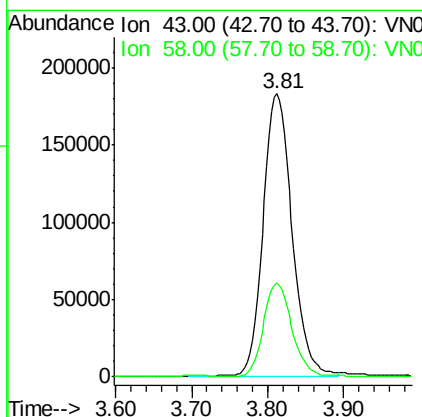
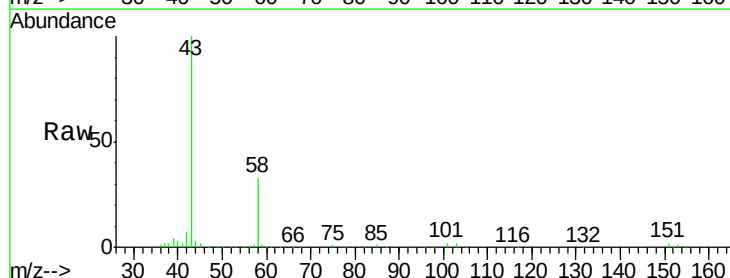
RT: 3.81 min Scan# 634

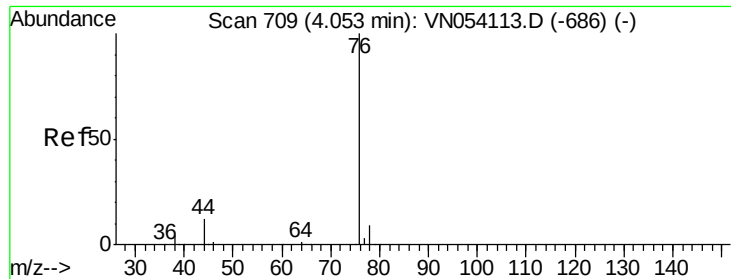
Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Tgt Ion:	43	Resp:	484748
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.5	39.7





#17

Carbon Disulfide

Concen: 48.929 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Tot Ion: 76 Resp: 951521

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

Instrument :

MSVOA_N

ClientSampleId :

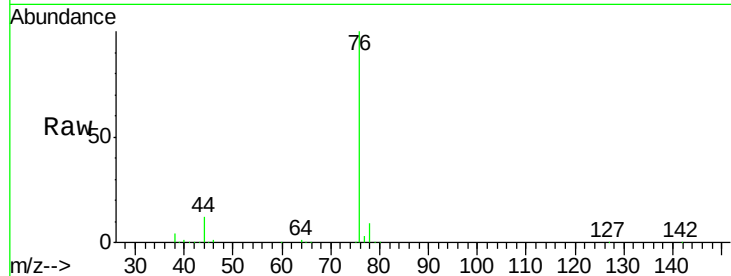
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

3/7/2019 11:39:37 AM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.05

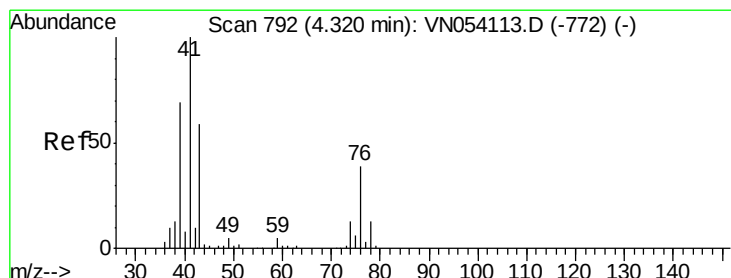
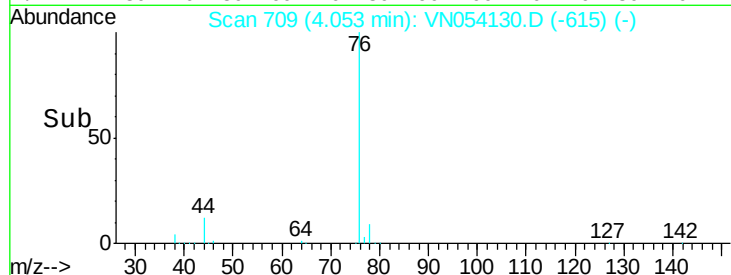
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 50.671 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054130.D

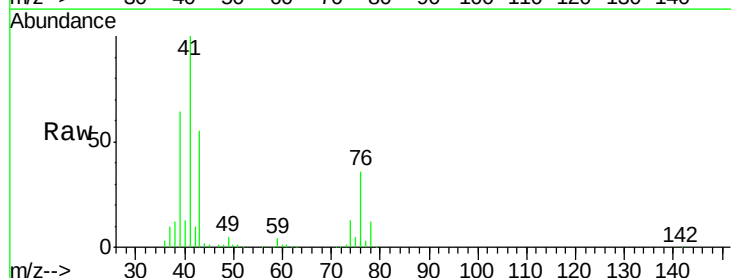
Acq: 6 Mar 2019 21:18

Tgt Ion: 43 Resp: 307511

Ion Ratio Lower Upper

43 100

74 22.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.32

120000

100000

80000

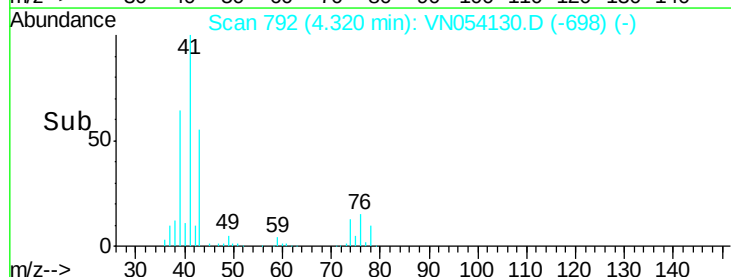
60000

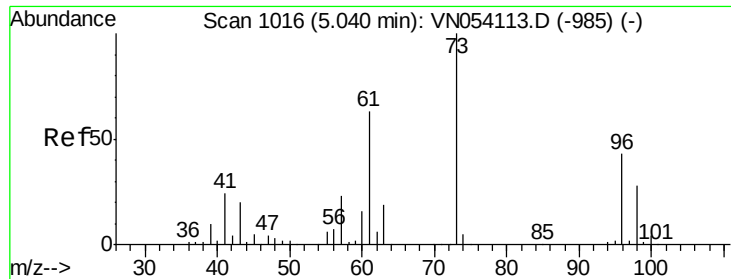
40000

20000

0

Time-->





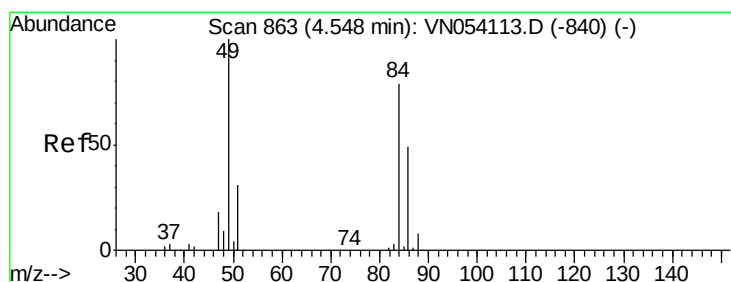
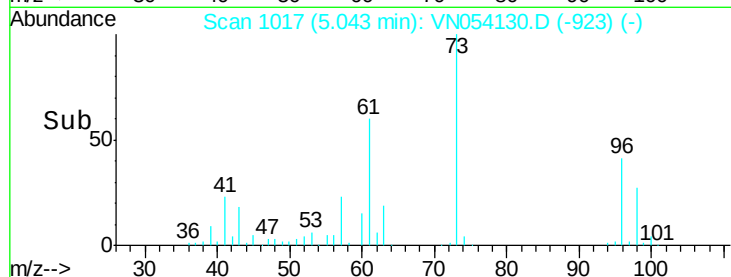
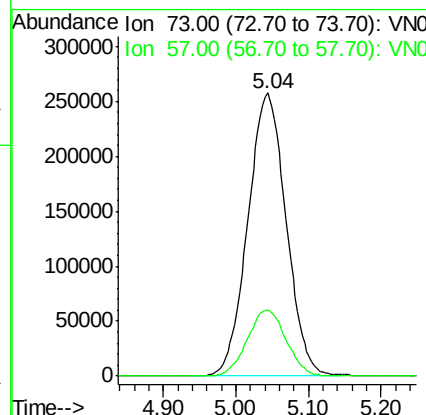
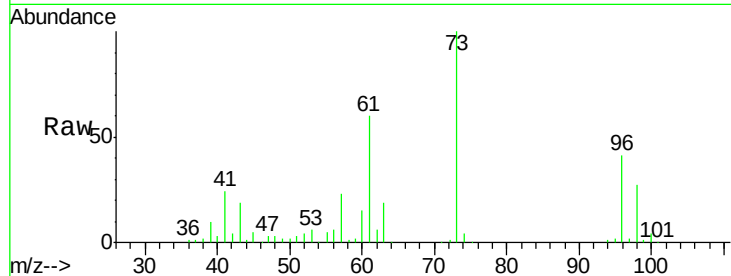
#19
Methyl tert-butyl Ether
Concen: 50.040 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 946286
Ion Ratio Lower Upper
73 100
57 23.3 18.2 27.4

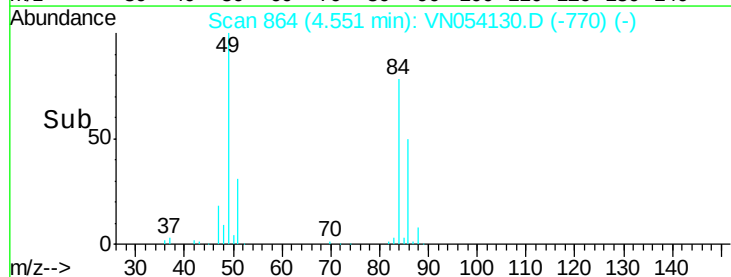
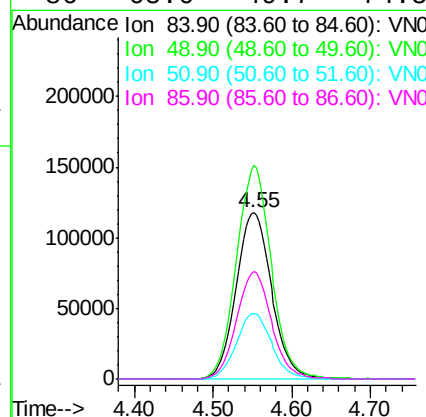
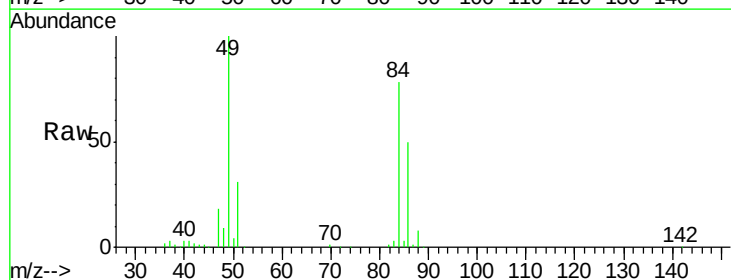
Manual Integrations
APPROVED

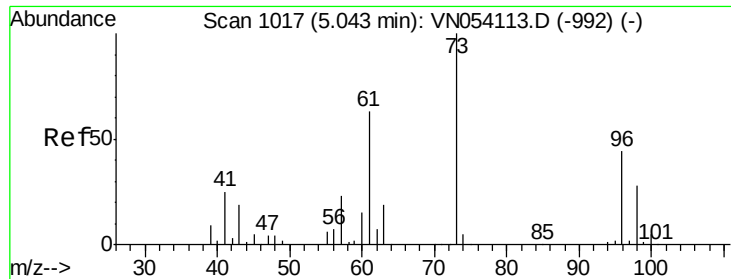
MMDadoda
3/7/2019 11:39:37 AM



#20
Methylene Chloride
Concen: 50.931 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion: 84 Resp: 372158
Ion Ratio Lower Upper
84 100
49 128.6 101.8 152.8
51 39.6 31.1 46.7
86 65.0 49.7 74.5





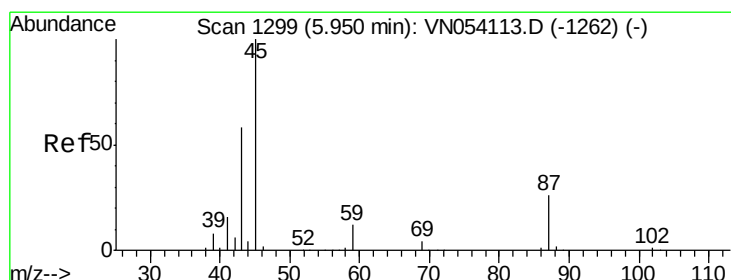
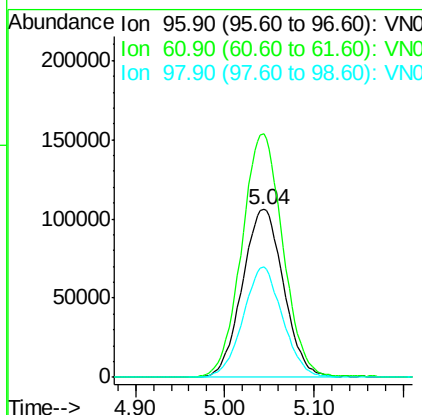
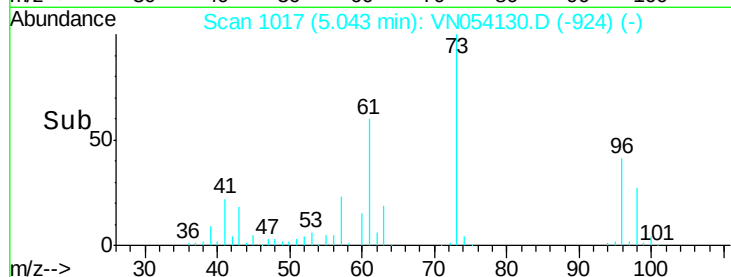
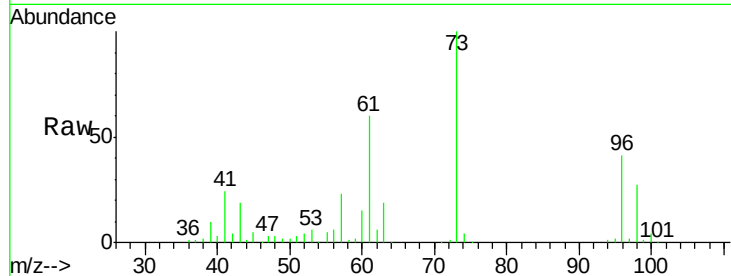
#21
trans-1,2-Dichloroethene
Concen: 46.182 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.9	114.8	172.2
98	65.7	51.4	77.0

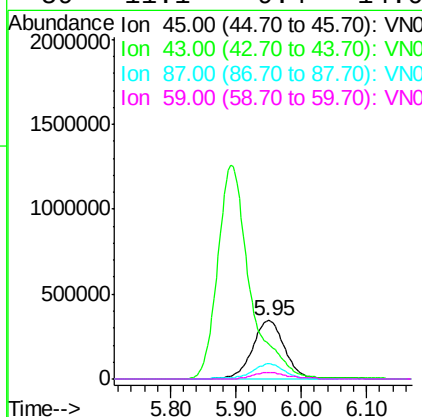
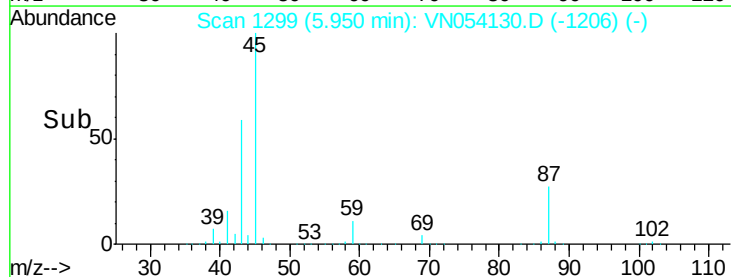
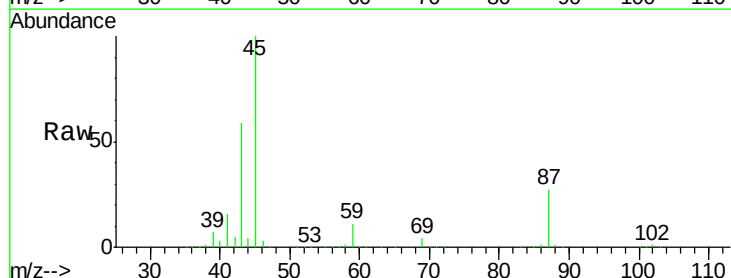
Manual Integrations
APPROVED

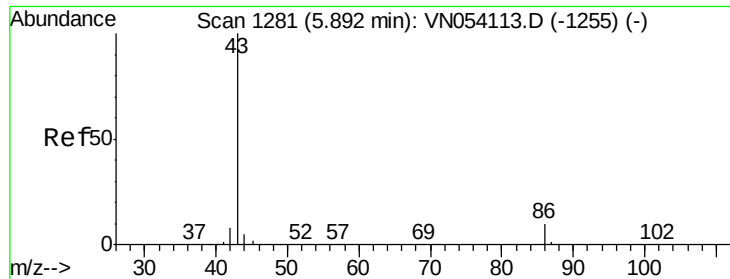
MMDadoda
3/7/2019 11:39:37 AM



#22
Diisopropyl ether
Concen: 50.448 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	46.2	69.4
87	26.4	20.6	31.0
59	11.1	9.4	14.0





#23

Vinyl Acetate

Concen: 256.529 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4310680

Ion Ratio Lower Upper

43 100

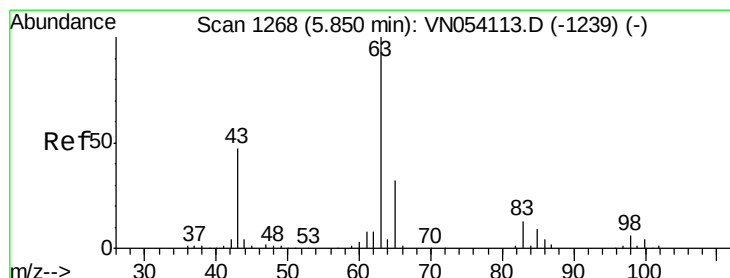
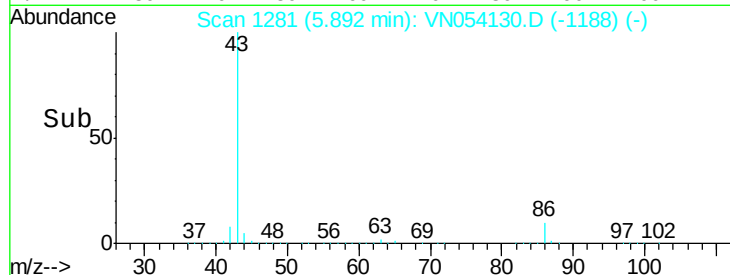
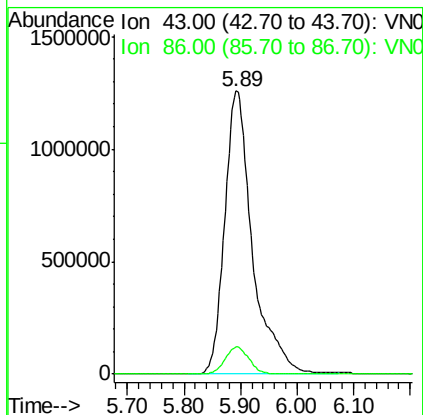
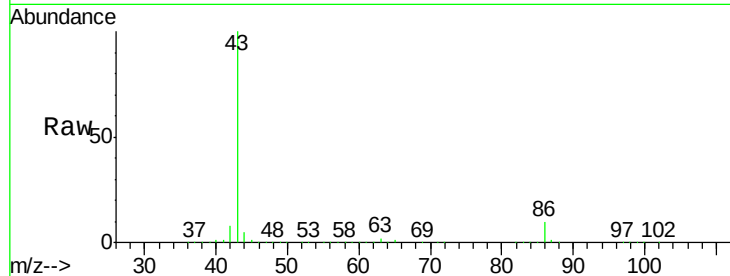
86 9.7 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

3/7/2019 11:39:37 AM



#24

1,1-Dichloroethane

Concen: 47.902 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

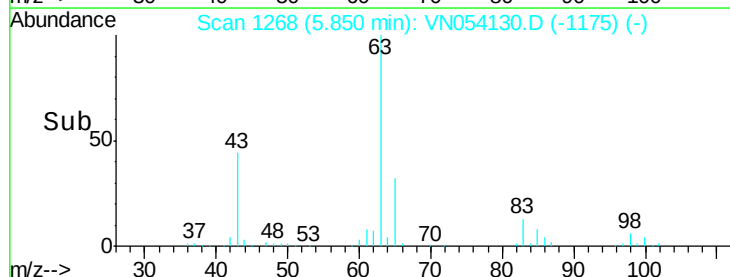
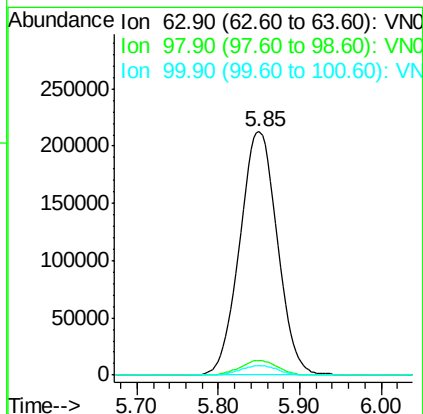
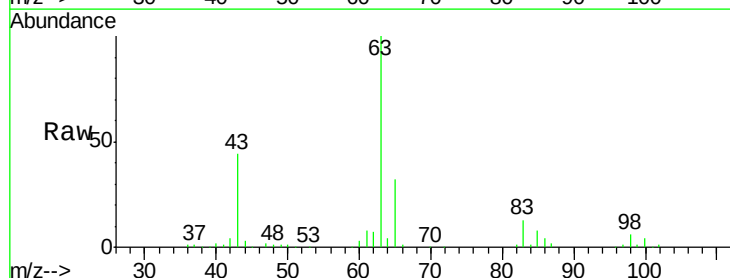
Tgt Ion: 63 Resp: 677981

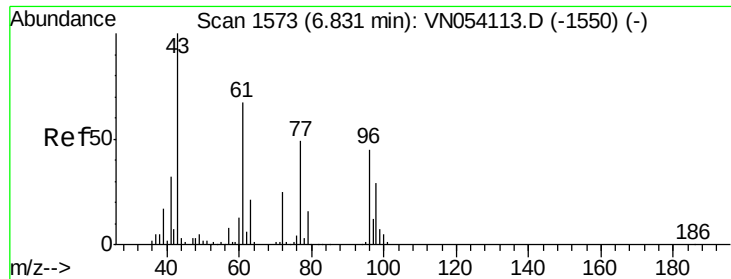
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.4

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 231.420 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 794859

Ion Ratio Lower Upper

43 100

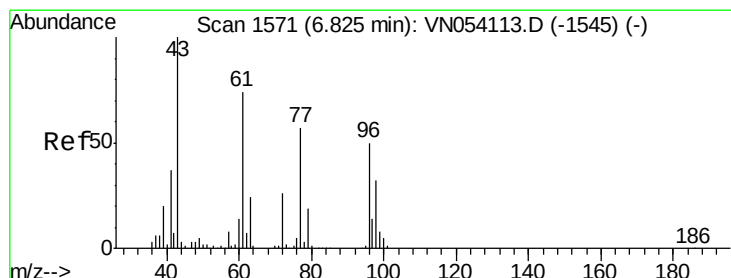
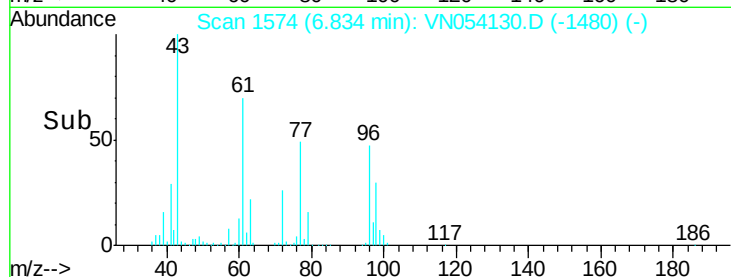
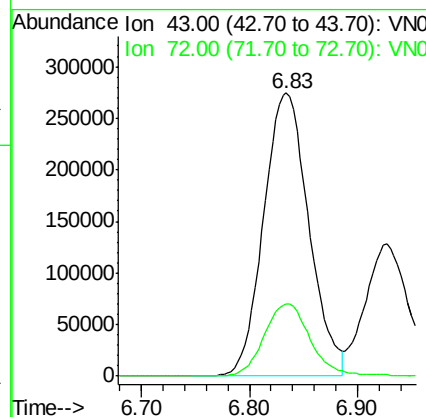
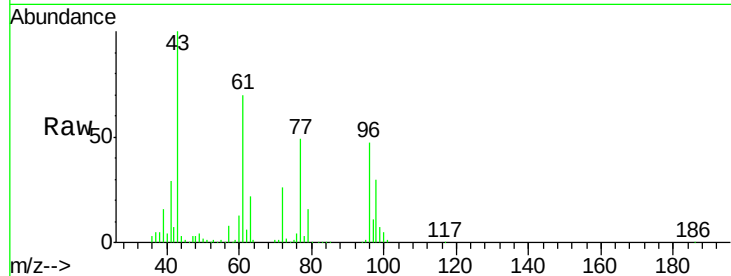
72 25.7 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

3/7/2019 11:39:37 AM



#26

2,2-Dichloropropane

Concen: 44.758 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054130.D

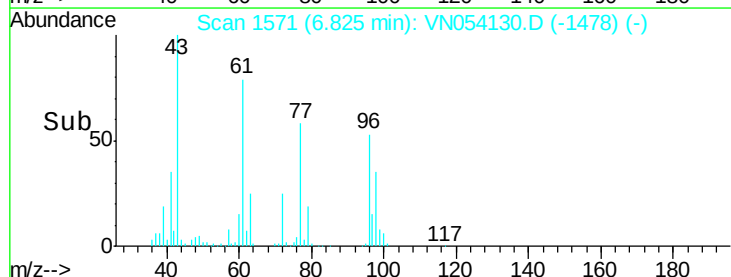
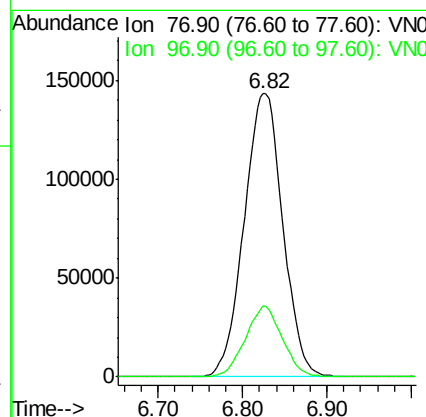
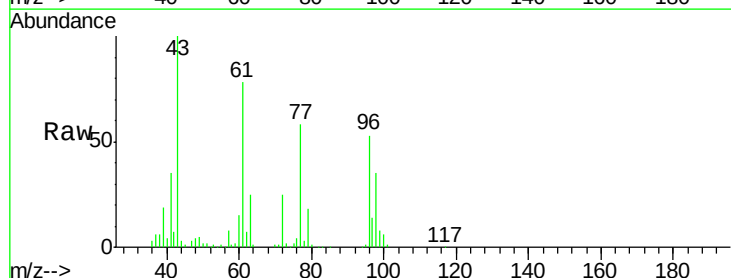
Acq: 6 Mar 2019 21:18

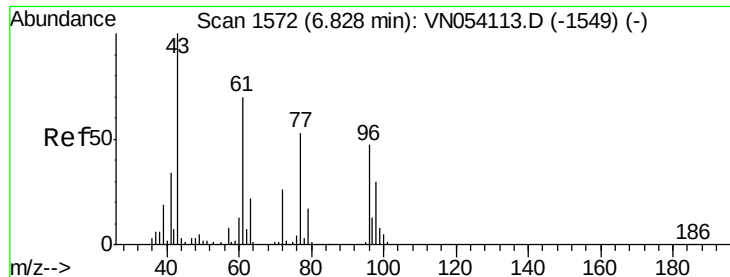
Tgt Ion: 77 Resp: 456589

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 47.798 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

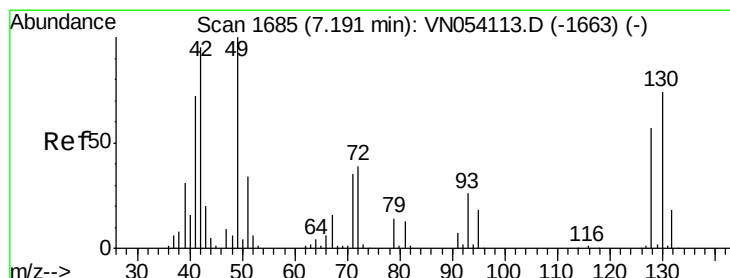
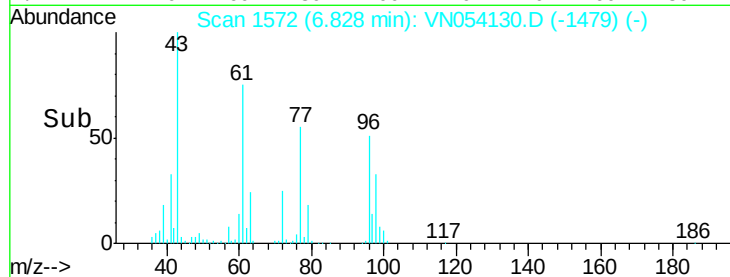
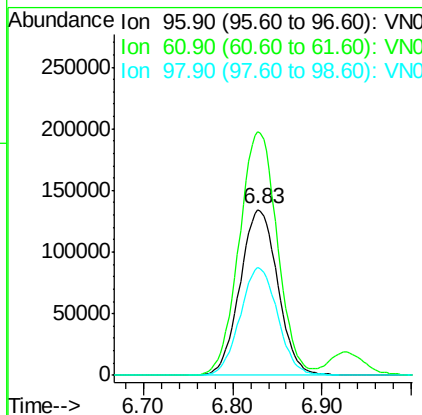
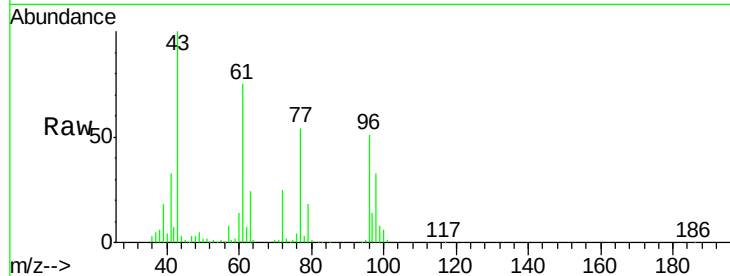
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	394274
Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	297.0
98	64.9	0.0	129.4

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:37 AM



#28

Bromochloromethane

Concen: 49.809 ug/l

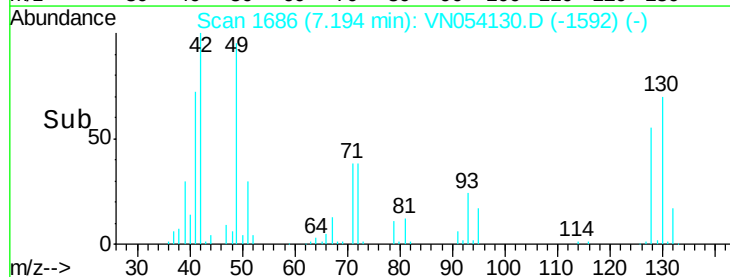
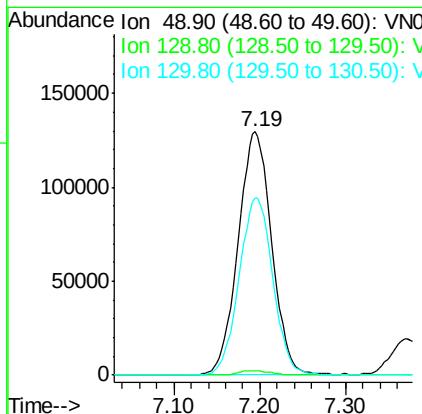
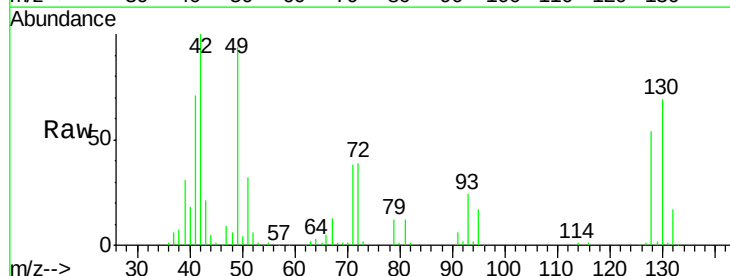
RT: 7.19 min Scan# 1686

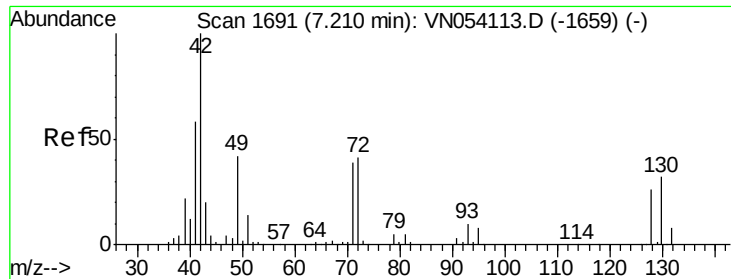
Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Tgt Ion:	49	Resp:	351865
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	72.9	59.4	89.2





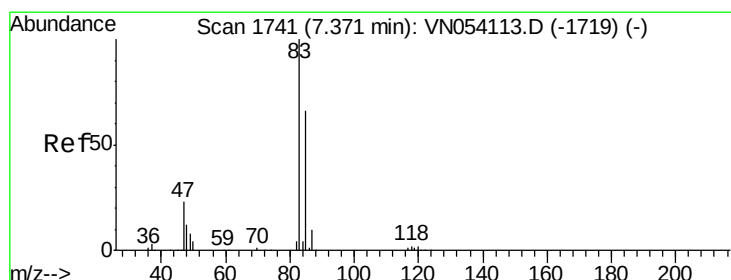
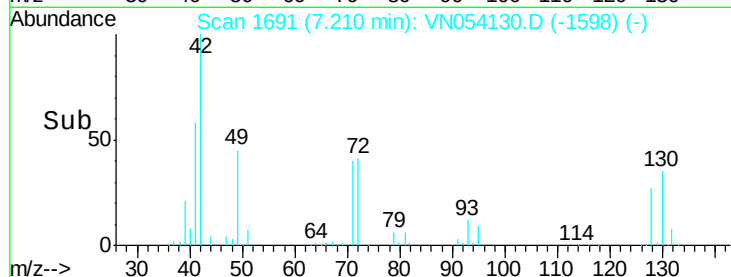
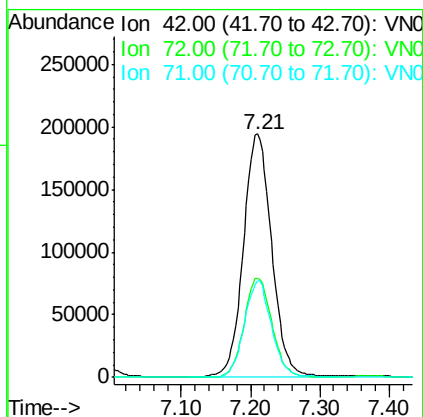
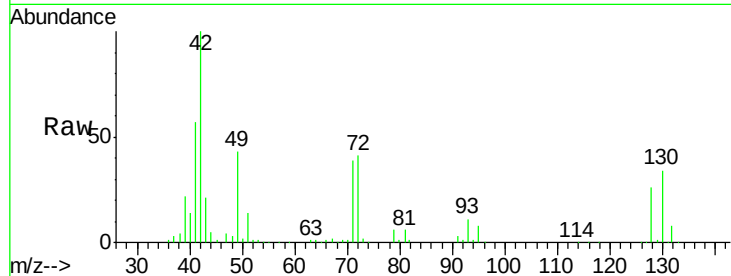
#29
Tetrahydrofuran
Concen: 244.222 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.8	49.2
71	38.3	30.5	45.7

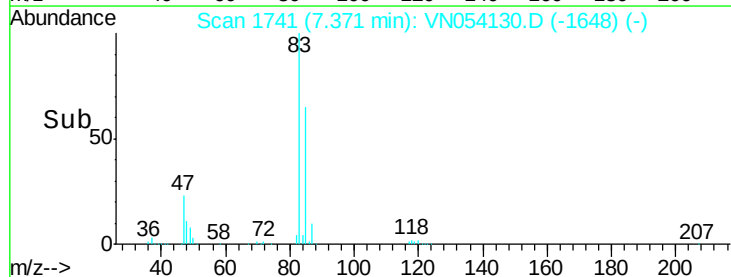
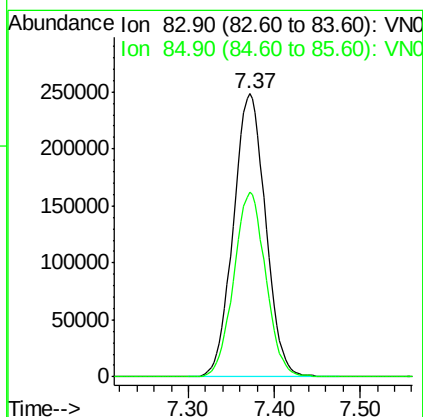
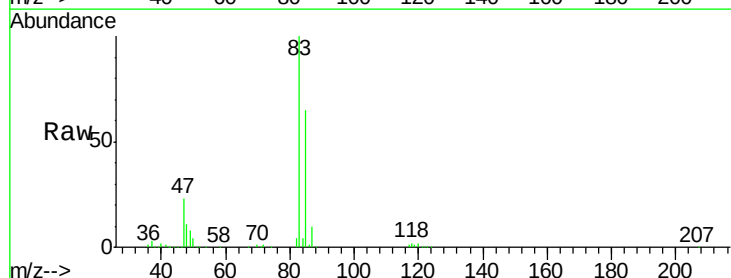
Manual Integrations
APPROVED

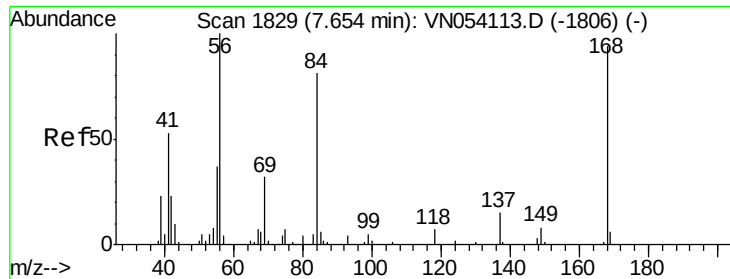
MMDadoda
3/7/2019 11:39:37 AM



#30
Chloroform
Concen: 47.686 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.1	79.7





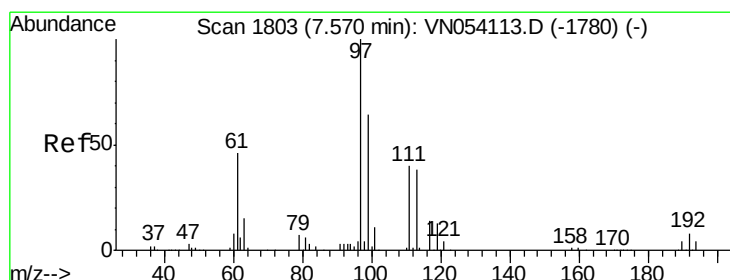
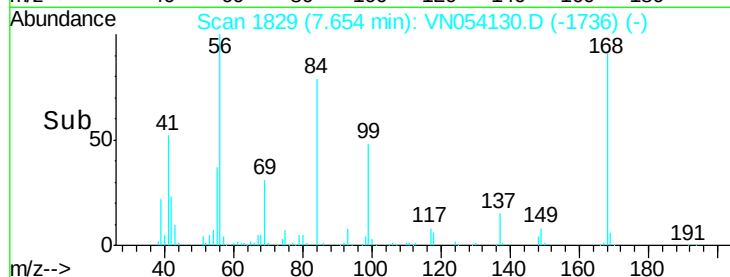
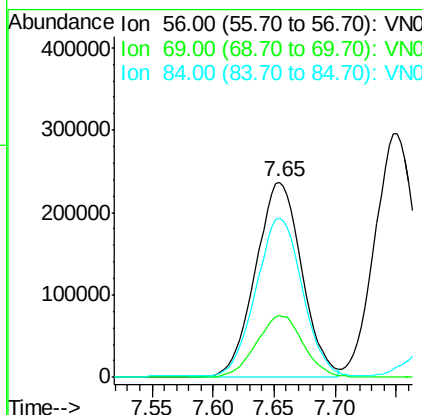
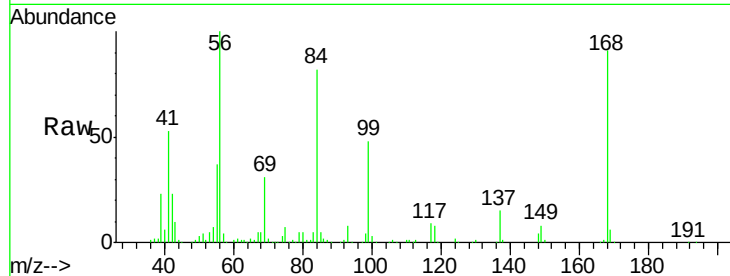
#31
Cyclohexane
Concen: 49.711 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.5	38.3
84	80.4	64.5	96.7

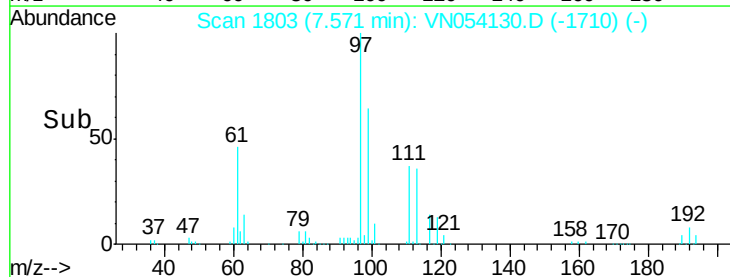
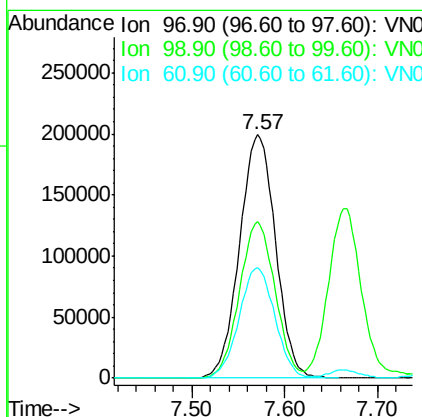
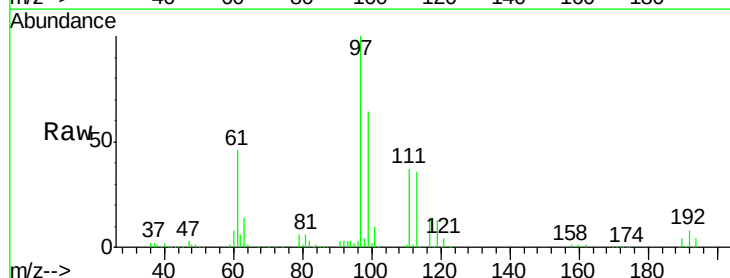
Manual Integrations
APPROVED

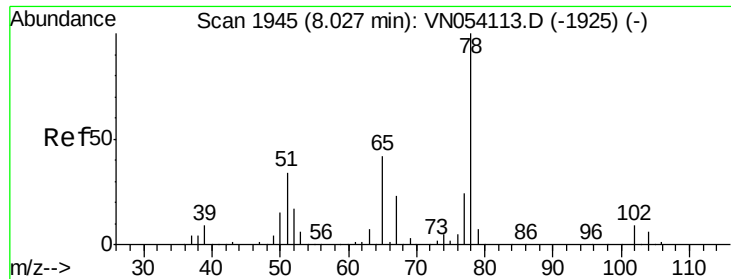
MMDadoda
3/7/2019 11:39:37 AM



#32
1,1,1-Trichloroethane
Concen: 47.784 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.2	76.8
61	45.1	37.1	55.7





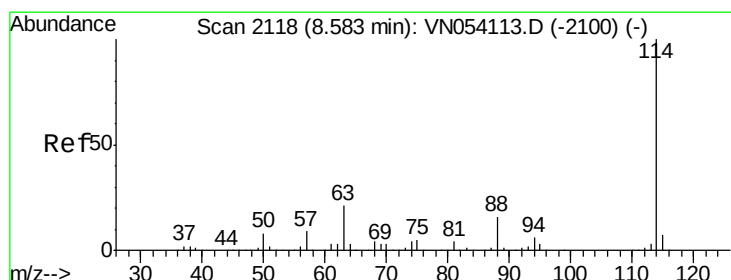
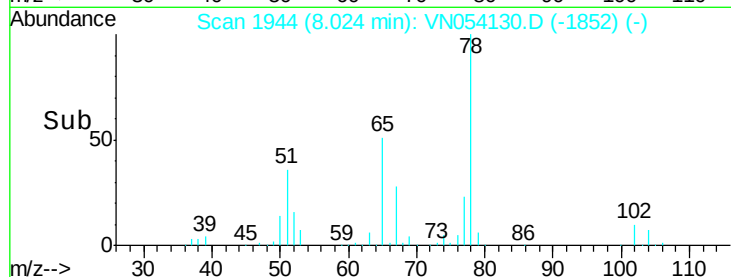
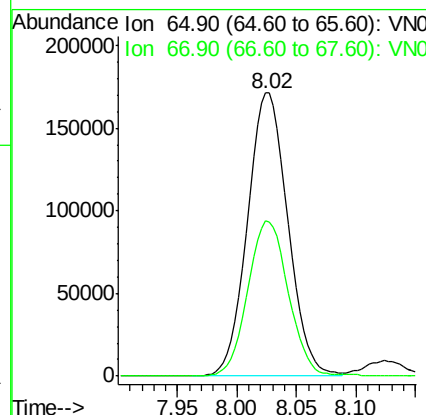
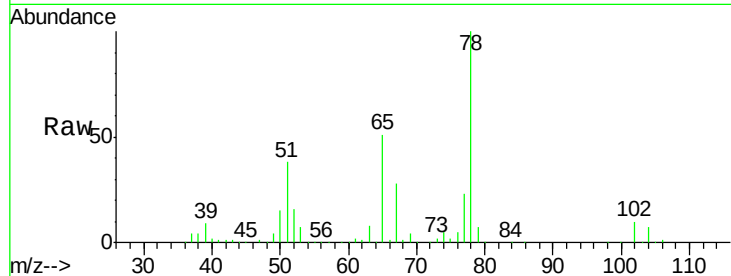
#33
 1,2-Dichloroethane-d4
 Concen: 48.067 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.3	0.0	109.6	

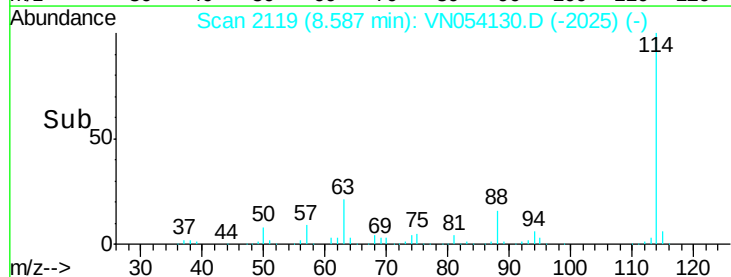
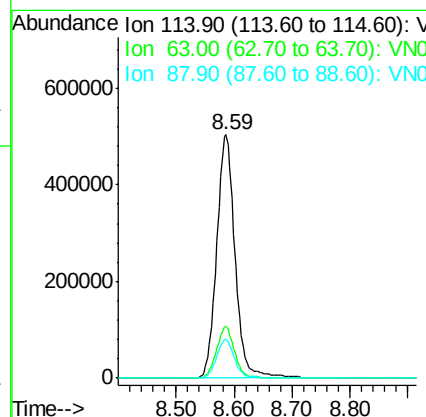
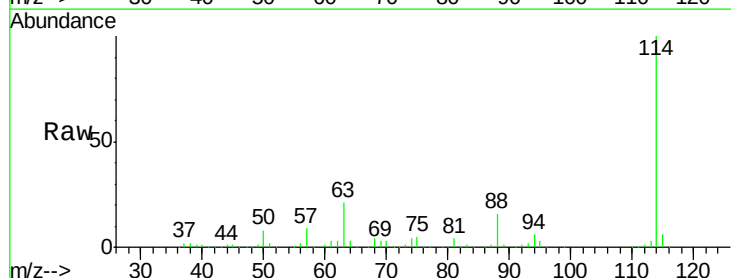
Manual Integrations
 APPROVED

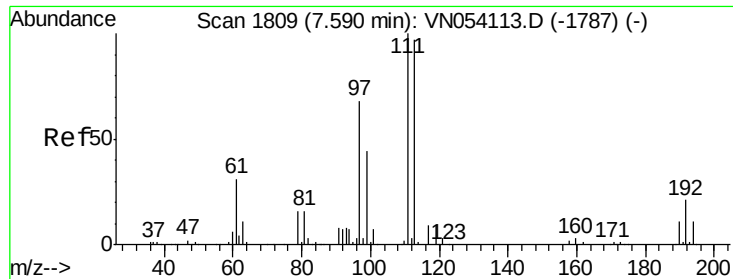
MMDadoda
 3/7/2019 11:39:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.2	0.0	42.6	
88	16.1	0.0	31.8	





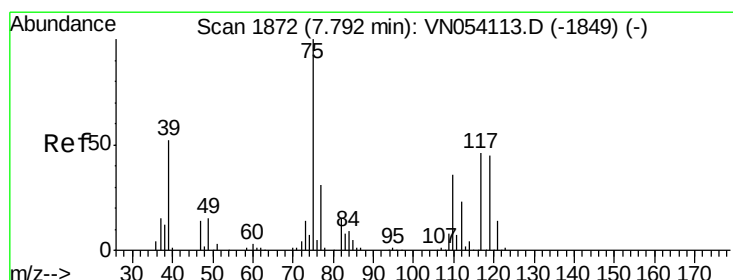
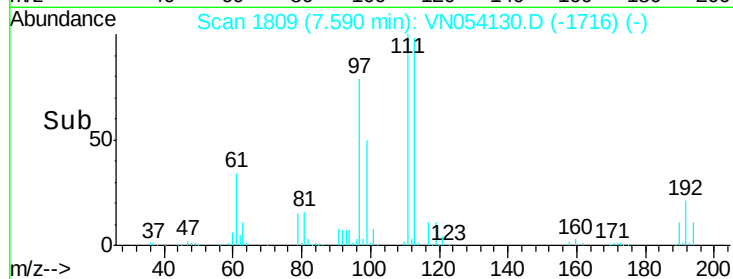
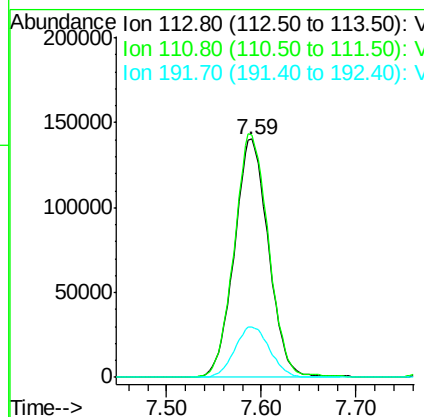
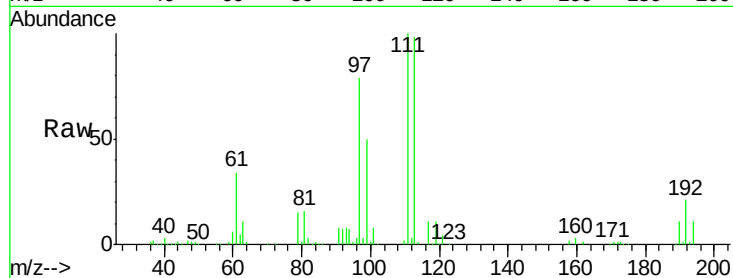
#35
Dibromofluoromethane
Concen: 48.798 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	82.1	123.1	
192	21.8	17.4	26.0	

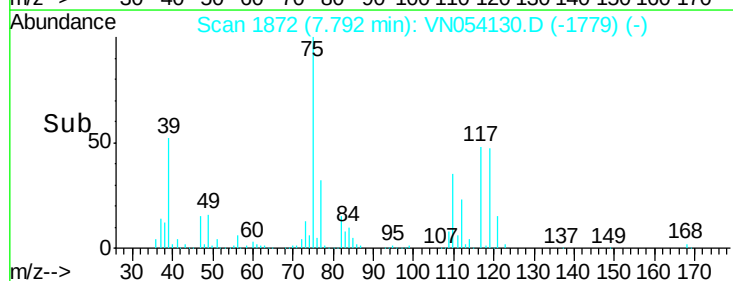
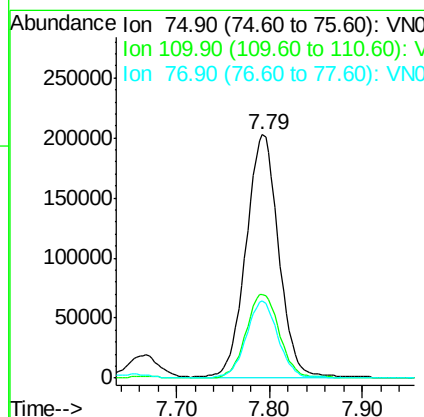
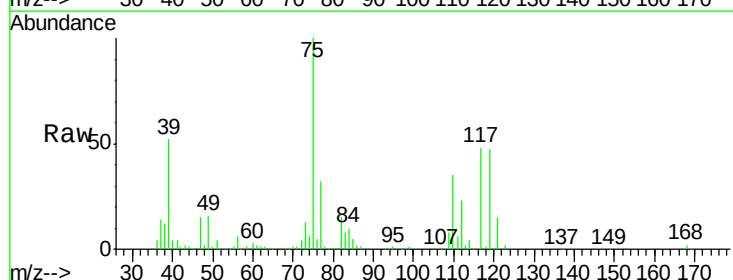
Manual Integrations
APPROVED

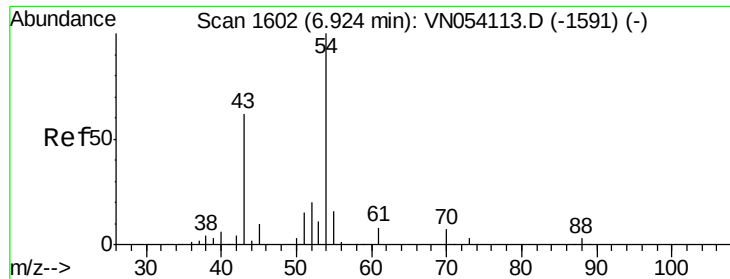
MMDadoda
3/7/2019 11:39:37 AM



#36
1,1-Dichloropropene
Concen: 47.076 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.8	18.0	54.0	
77	31.4	25.3	37.9	





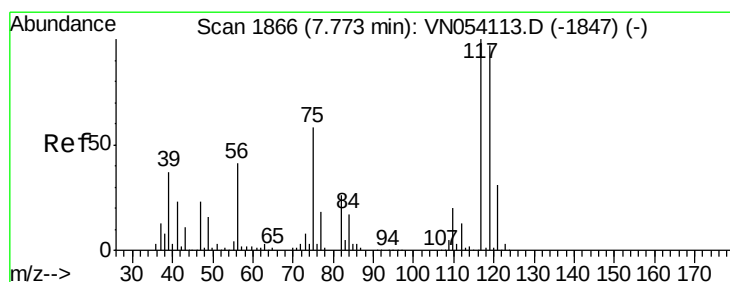
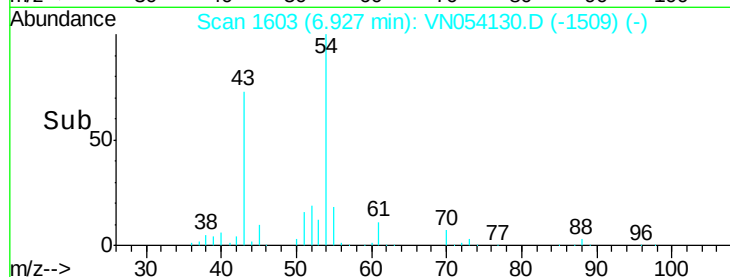
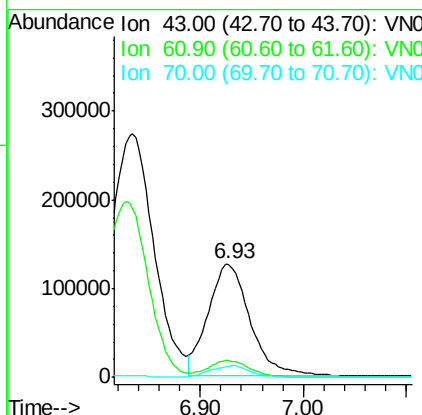
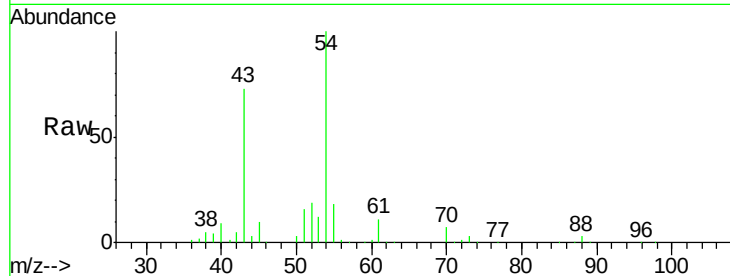
#37
Ethyl Acetate
Concen: 47.545 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Ratio	100	14.6	10.2
Lower		11.1	7.6
Upper		16.7	11.4

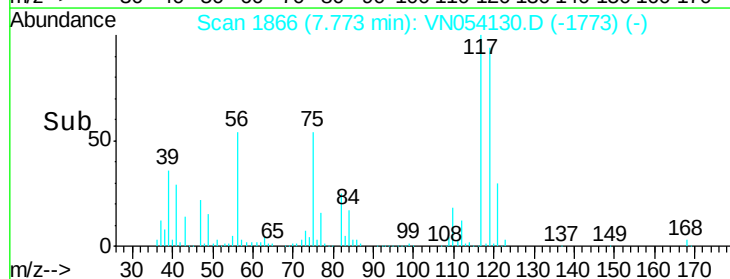
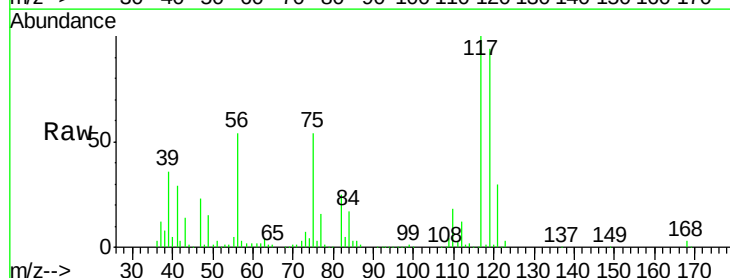
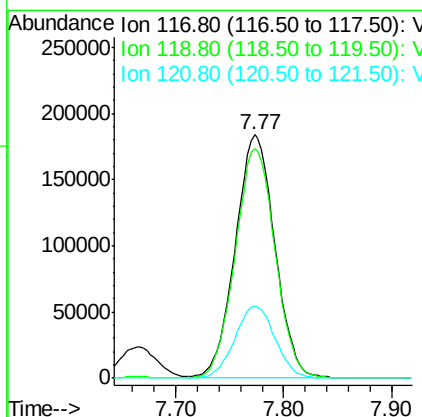
Manual Integrations
APPROVED

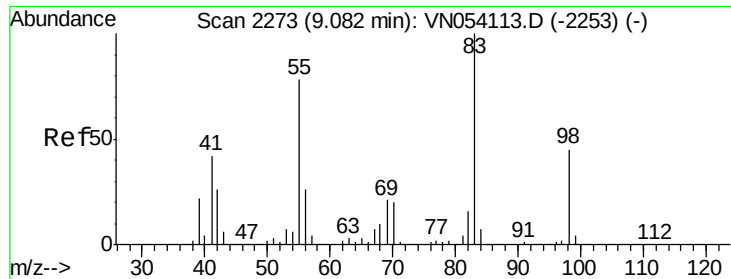
MMDadoda
3/7/2019 11:39:37 AM



#38
Carbon Tetrachloride
Concen: 46.925 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion	117	119	121
Ratio	100	94.4	29.6
Lower		77.0	24.3
Upper		115.6	36.5





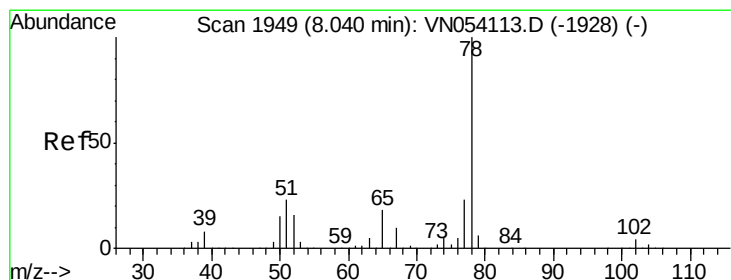
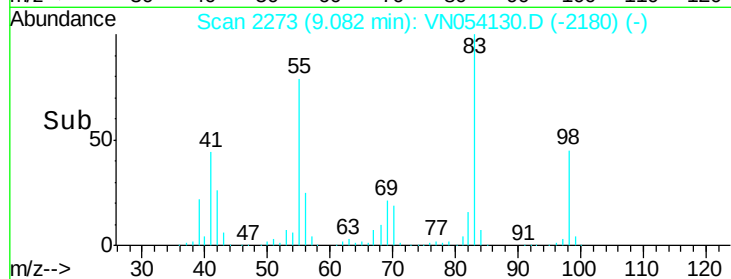
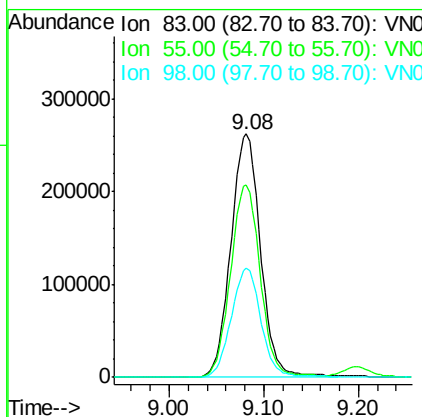
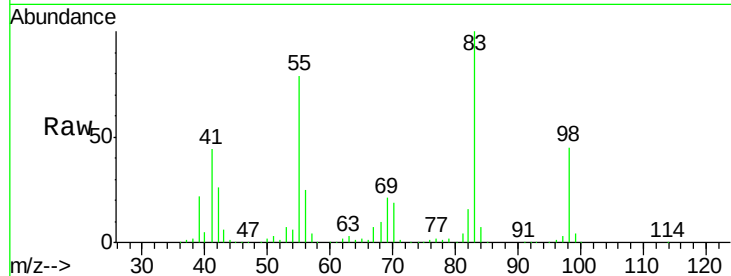
#39
Methylvlcyclohexane
Concen: 47.616 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp	572729
Ion	Ratio	Lower	Upper
83	100		
55	79.1	62.1	93.1
98	44.8	36.0	54.0

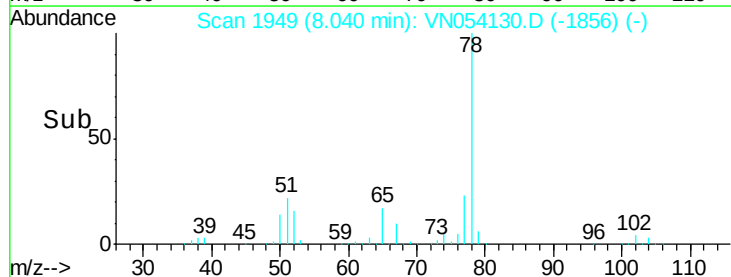
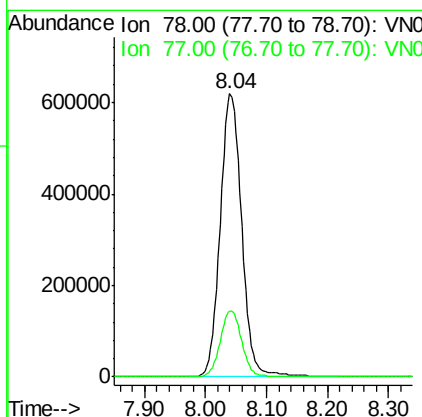
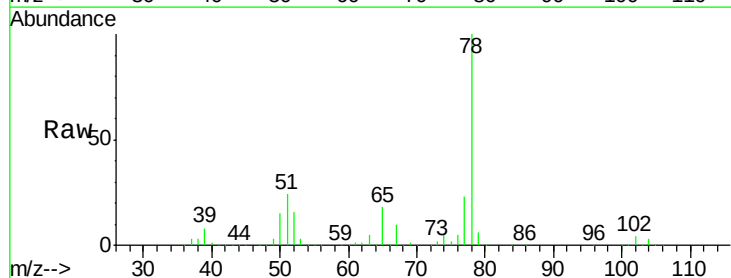
Manual Integrations
APPROVED

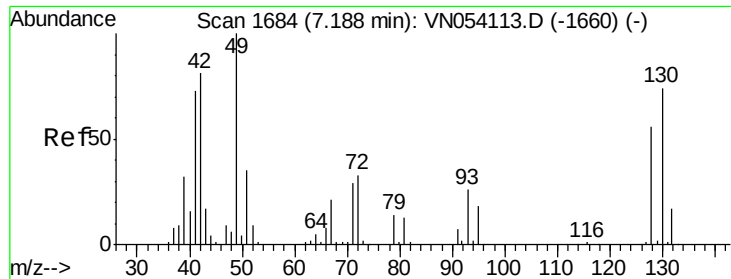
MMDadoda
3/7/2019 11:39:37 AM



#40
Benzene
Concen: 49.008 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion	78.00	Resp	1511126
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





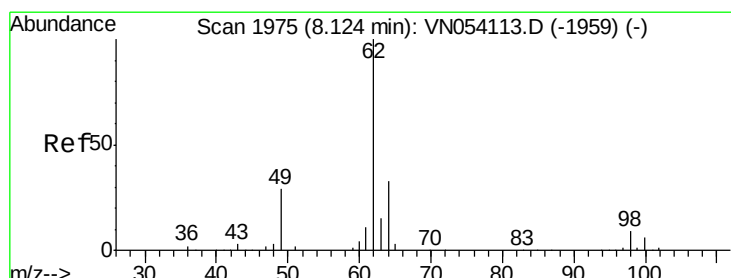
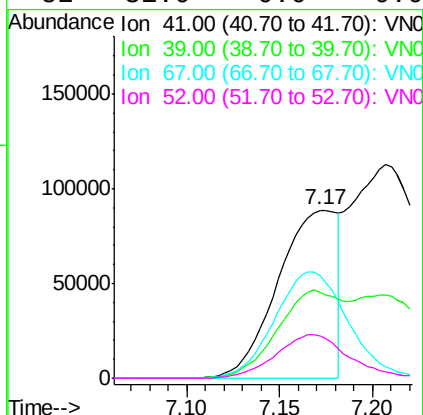
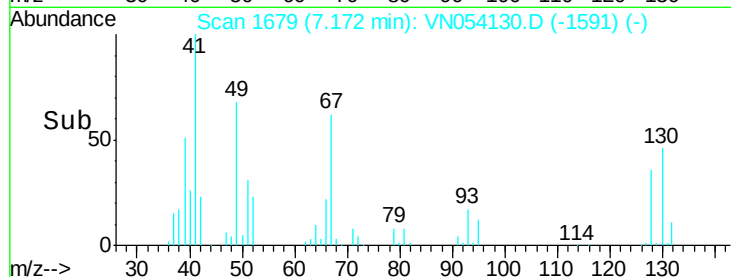
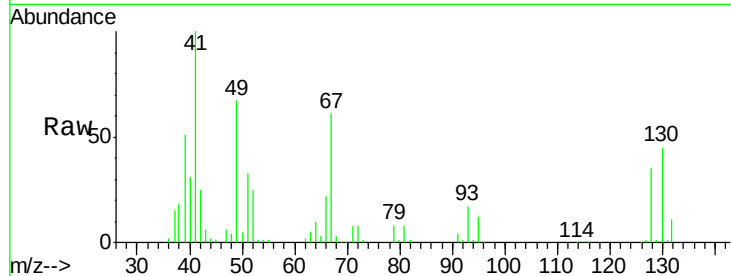
#41
Methacrylonitrile
Concen: 50.327 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	196704
Ion	Ratio	Lower	Upper
41	100		
39	59.0	0.0	0.0#
67	79.3	0.0	0.0#
52	31.0	0.0	0.0#

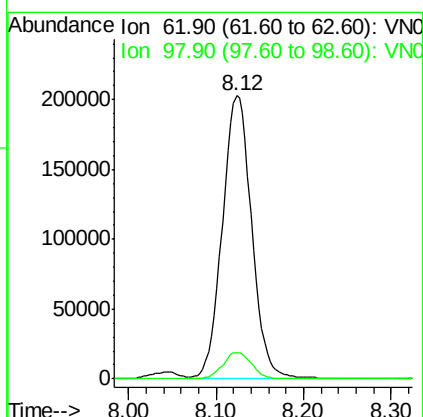
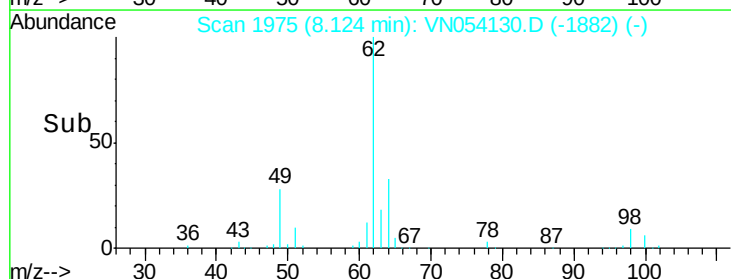
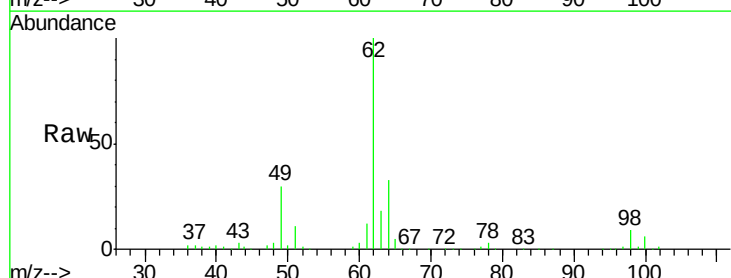
Manual Integrations
APPROVED

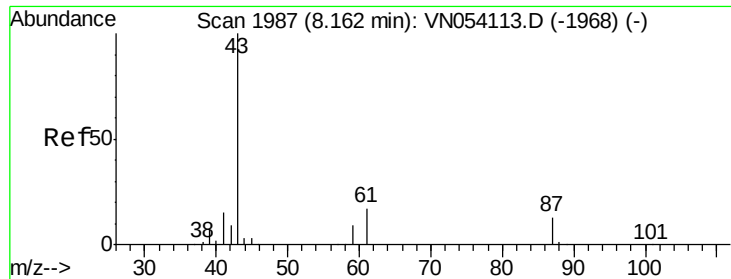
MMDadoda
3/7/2019 11:39:37 AM



#42
1,2-Dichloroethane
Concen: 48.118 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion	62	Resp	469989
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6





#43

Isopropyl Acetate

Concen: 49.871 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

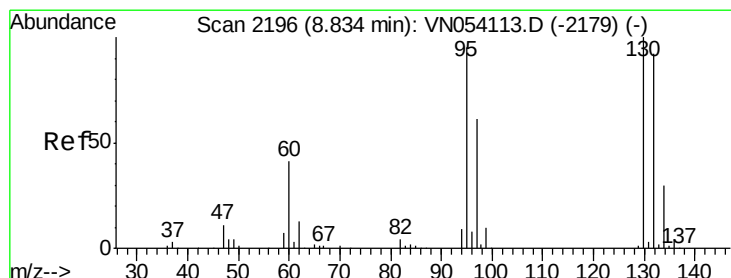
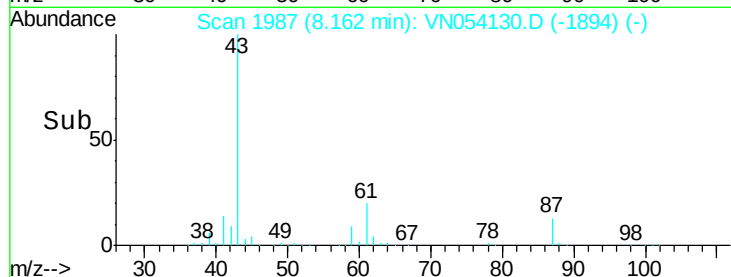
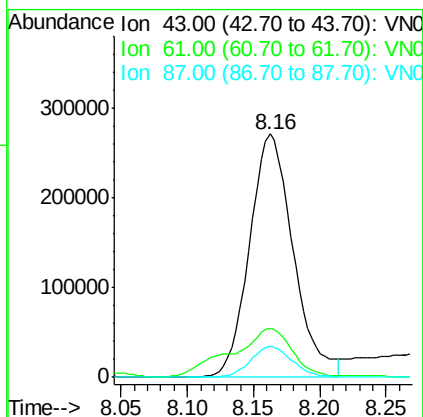
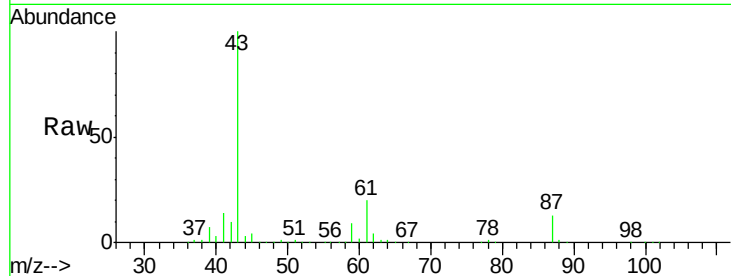
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	620735
Ion	Ratio	Lower	Upper
43	100		
61	27.6	22.5	33.7
87	12.2	10.1	15.1

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:37 AM



#44

Trichloroethene

Concen: 46.956 ug/l

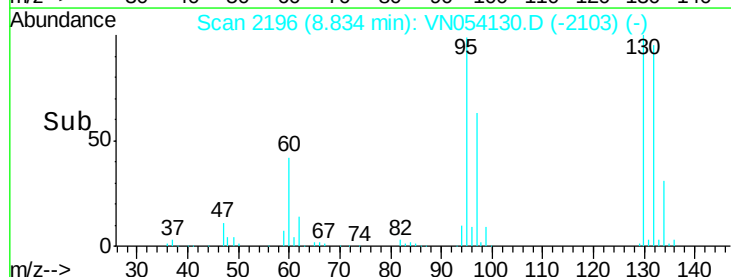
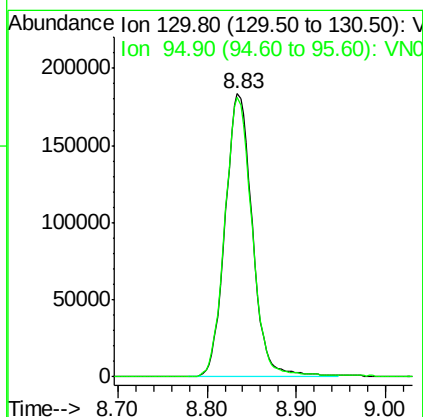
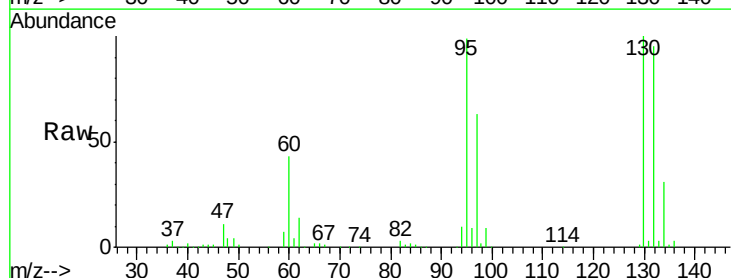
RT: 8.83 min Scan# 2196

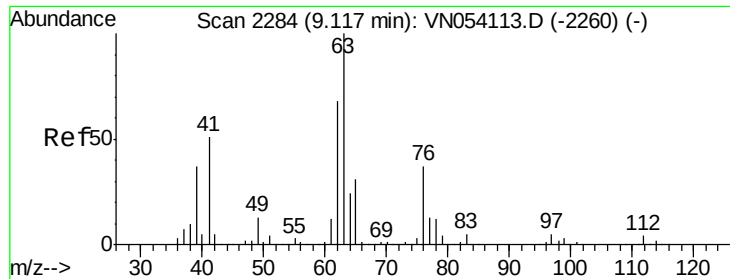
Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Tgt Ion:	130	Resp:	388234
Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	189.4





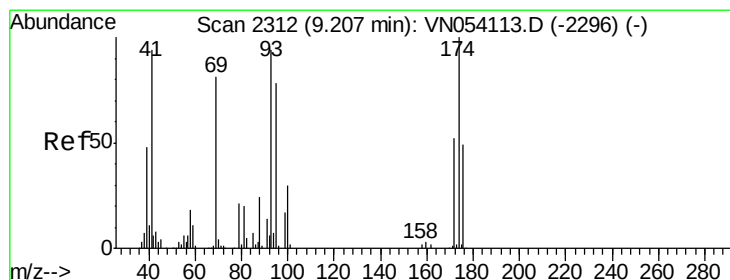
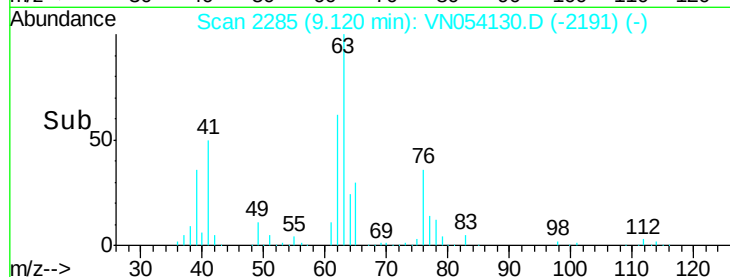
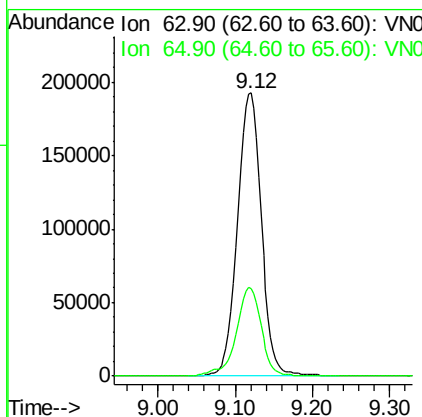
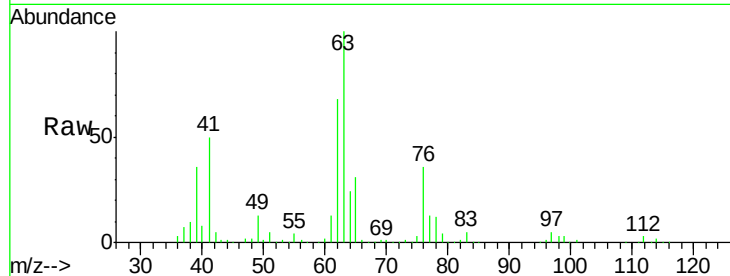
#45
 1,2-Dichloropropane
 Concen: 48.487 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.6	36.8

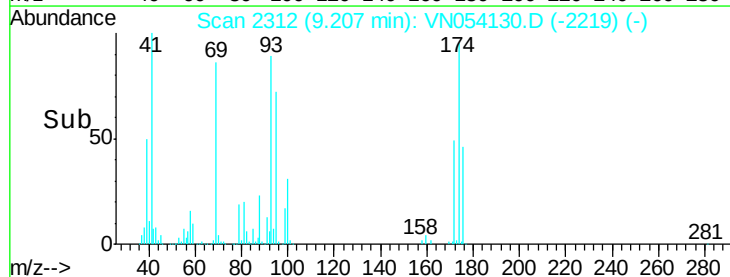
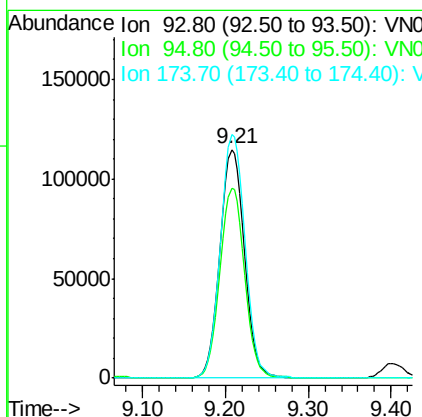
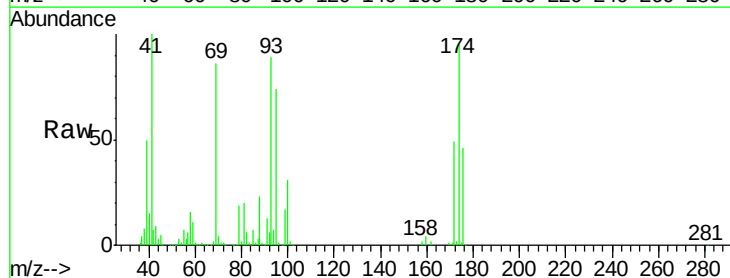
Manual Integrations
 APPROVED

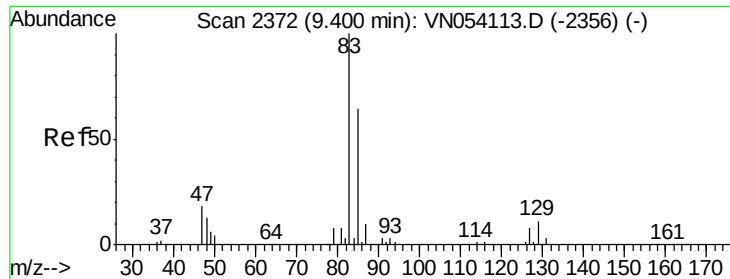
MMDadoda
 3/7/2019 11:39:37 AM



#46
 Dibromomethane
 Concen: 48.721 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.1	99.1
174	106.4	86.1	129.1





#47

Bromodichloromethane

Concen: 48.561 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

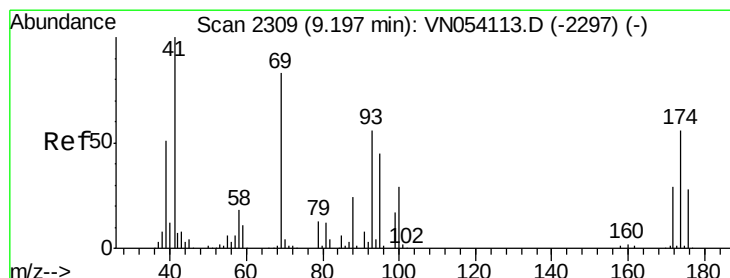
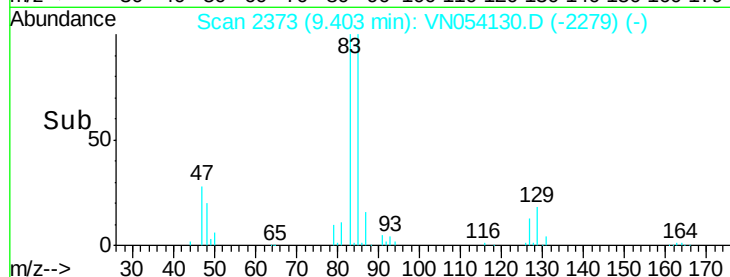
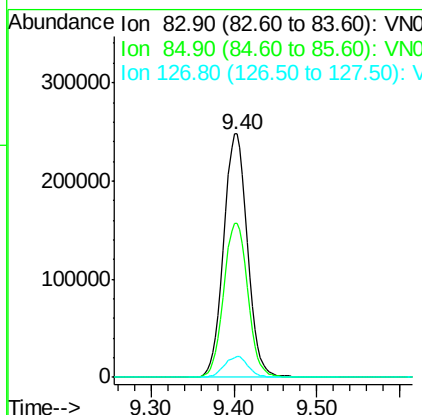
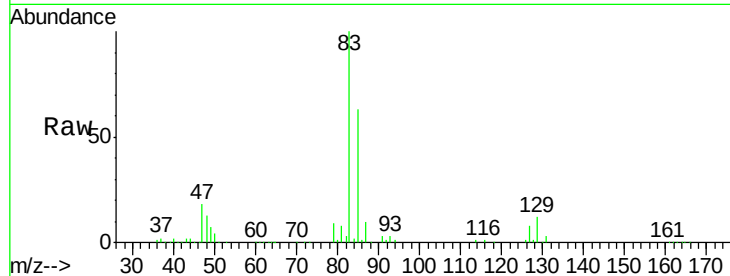
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	493533
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.0	76.4
127	8.5	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:37 AM



#48

Methyl methacrylate

Concen: 52.278 ug/l

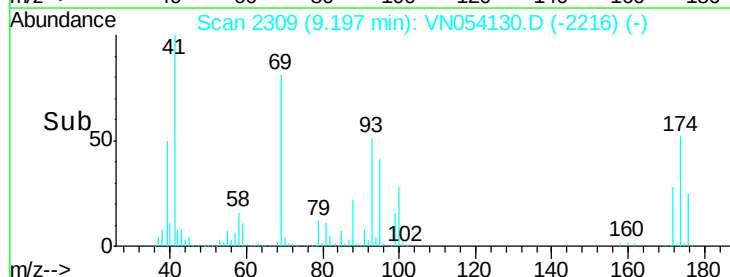
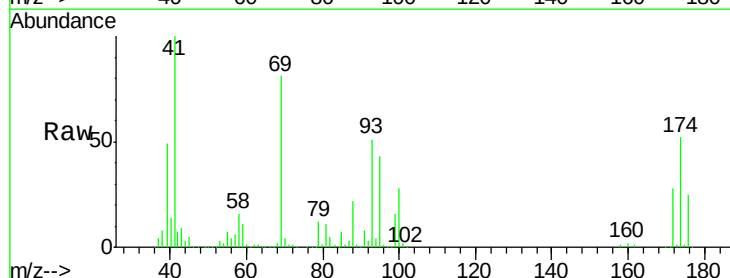
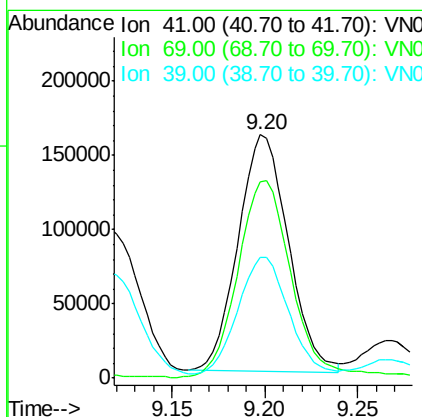
RT: 9.20 min Scan# 2309

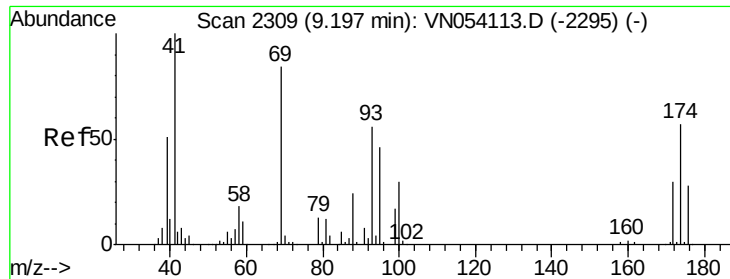
Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Tgt Ion:	41	Resp:	299808
Ion Ratio	Lower	Upper	
41	100		
69	90.7	71.0	106.4
39	52.8	43.7	65.5





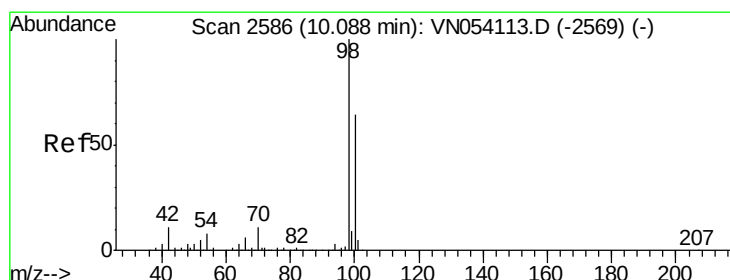
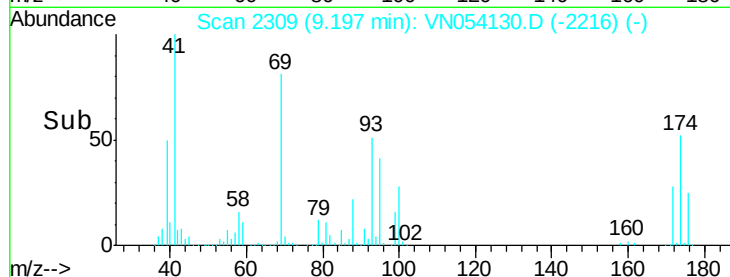
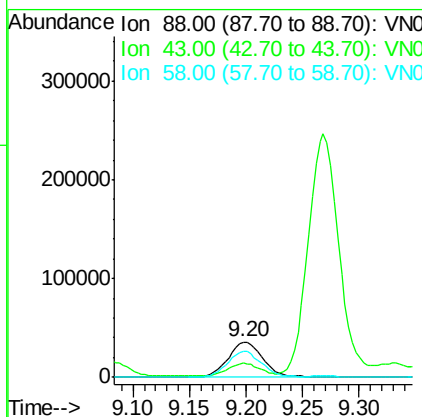
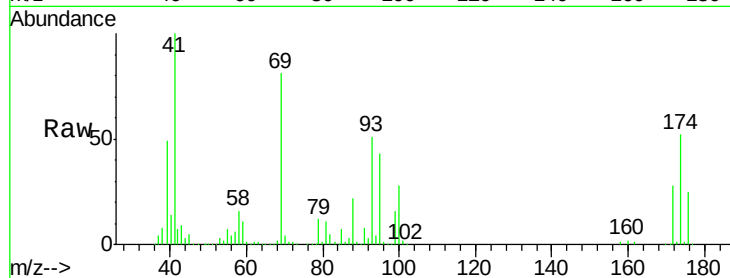
#49
1,4-Dioxane
Concen: 935.797 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 77149
Ion Ratio Lower Upper
88 100
43 33.4 25.5 38.3
58 73.1 58.3 87.5

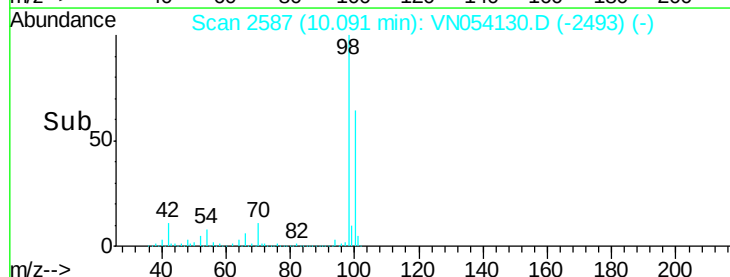
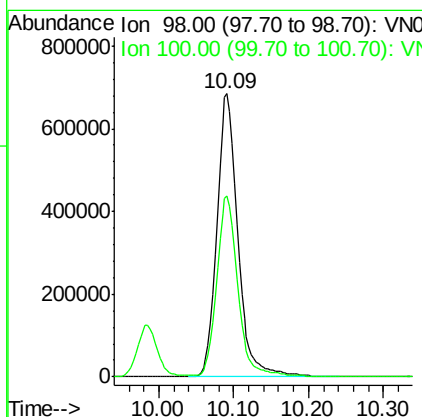
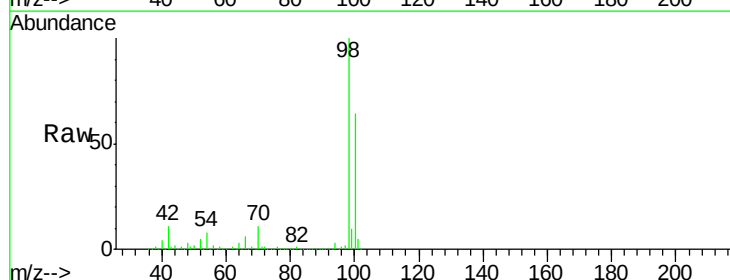
Manual Integrations
APPROVED

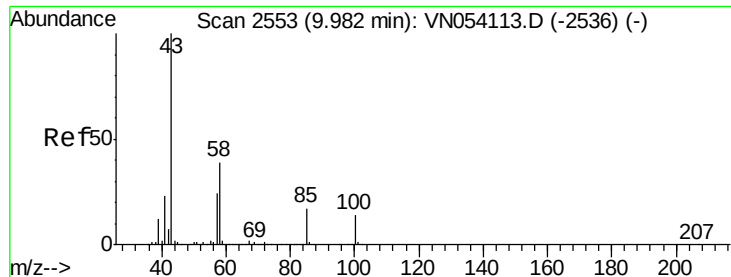
MMDadoda
3/7/2019 11:39:37 AM



#50
Toluene-d8
Concen: 48.790 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion: 98 Resp: 1336165
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5





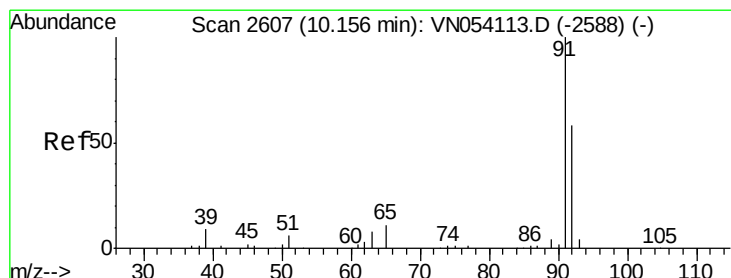
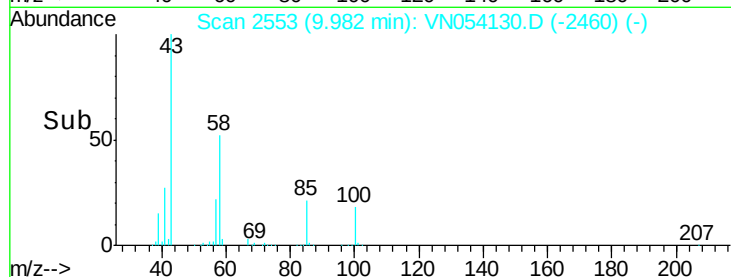
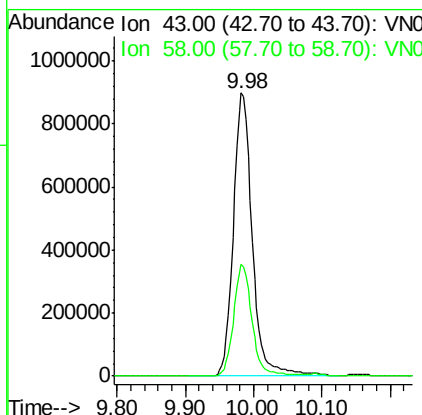
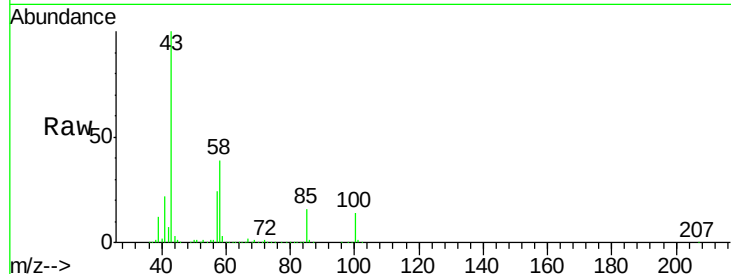
#51
 4-Methyl-2-Pentanone
 Concen: 259.279 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1725148
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.8 46.2

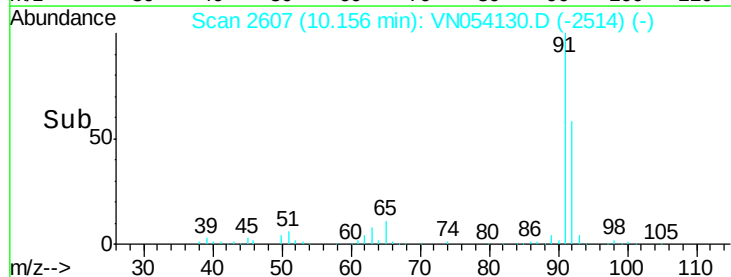
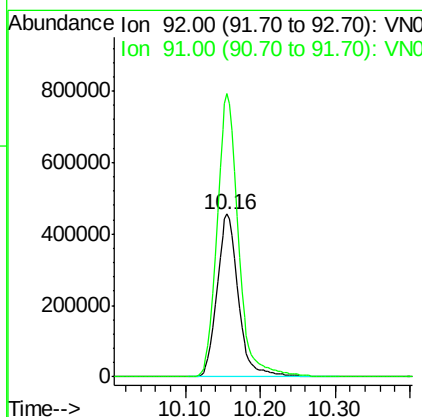
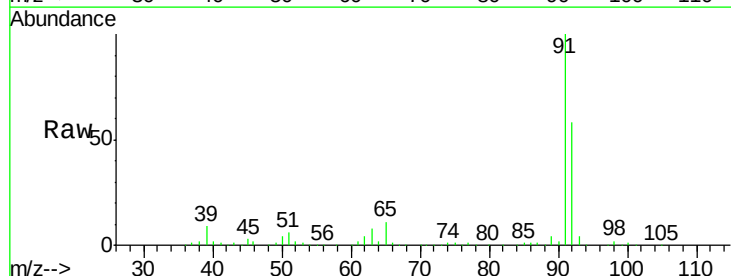
Manual Integrations
 APPROVED

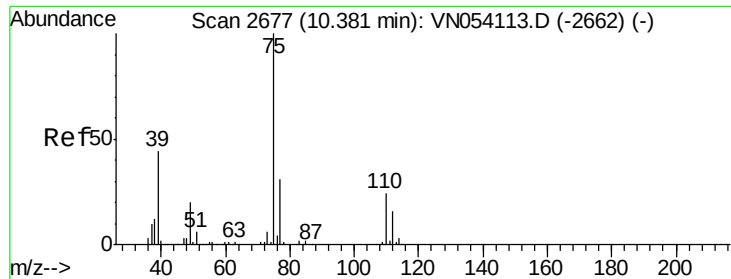
MMDadoda
 3/7/2019 11:39:37 AM



#52
 Toluene
 Concen: 49.361 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Tgt Ion: 92 Resp: 901726
 Ion Ratio Lower Upper
 92 100
 91 173.7 139.0 208.6





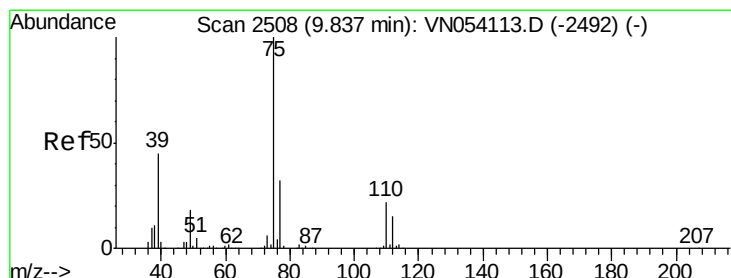
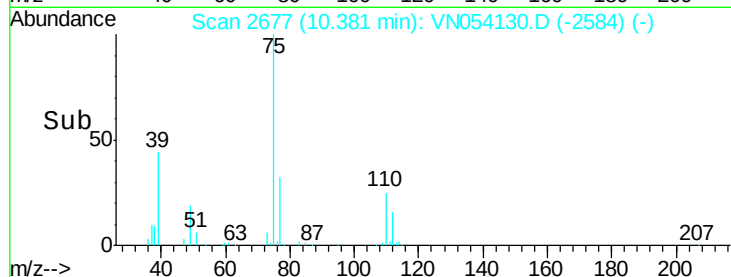
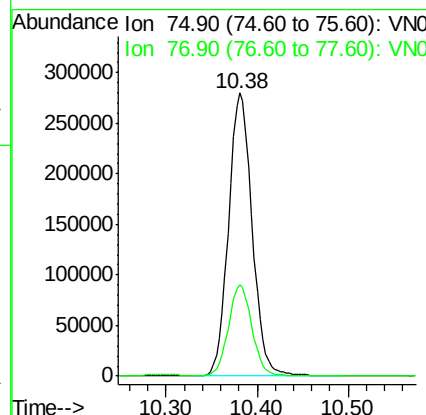
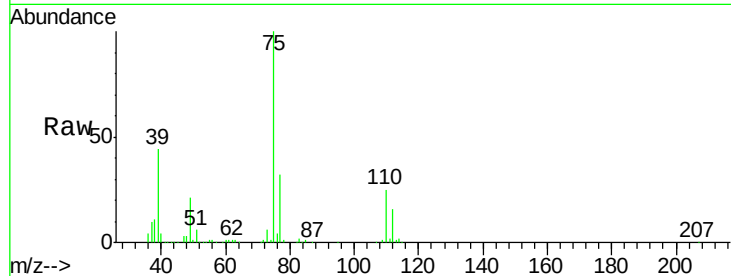
#53
t-1,3-Dichloropropene
Concen: 50.471 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.9	37.3

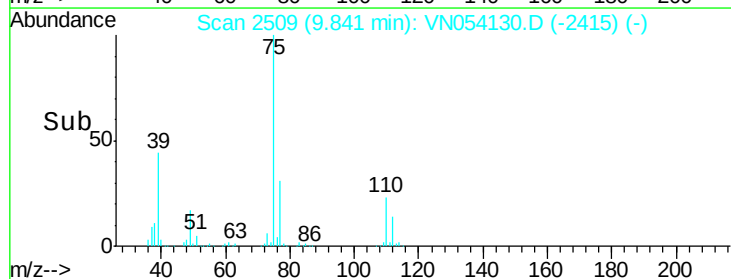
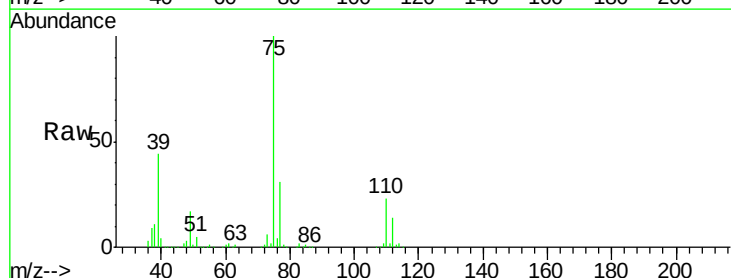
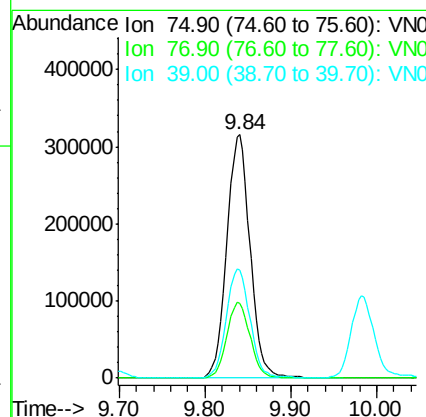
Manual Integrations
APPROVED

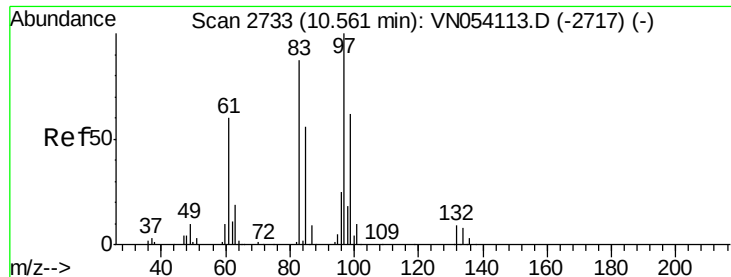
MMDadoda
3/7/2019 11:39:37 AM



#54
cis-1,3-Dichloropropene
Concen: 50.244 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	44.5	36.2	54.2





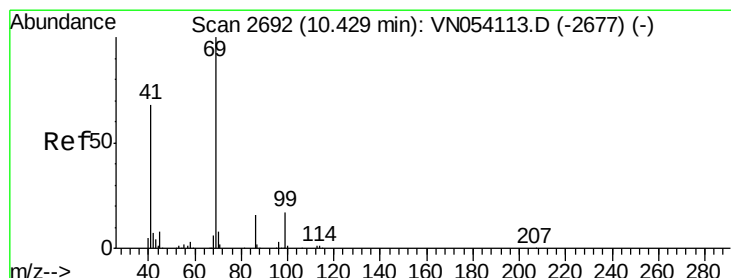
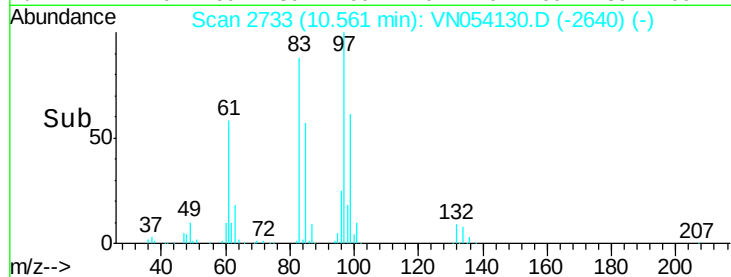
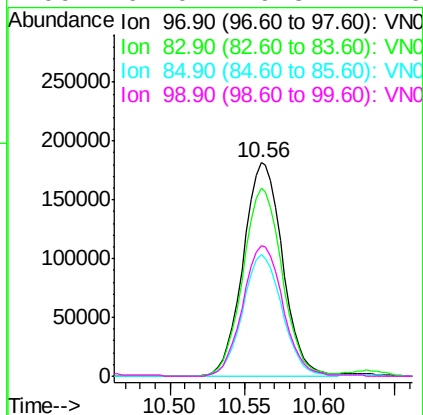
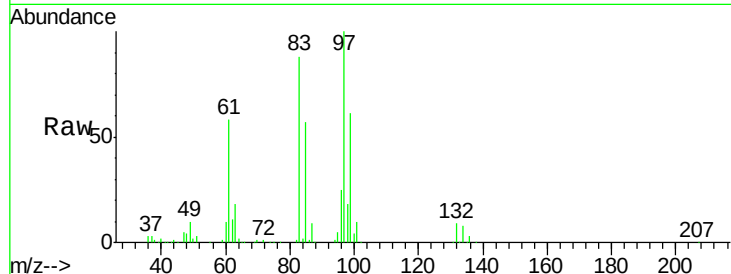
#55
 1,1,2-Trichloroethane
 Concen: 48.537 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	333889
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.8	104.6
85	56.9	45.0	67.4
99	61.0	49.8	74.6

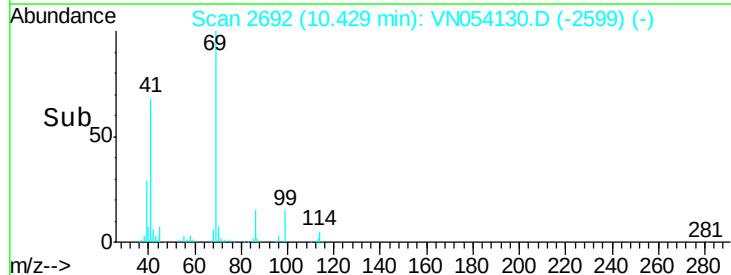
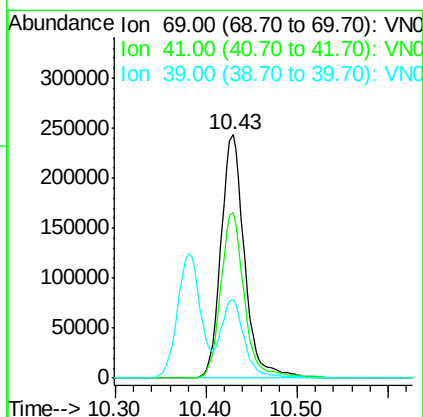
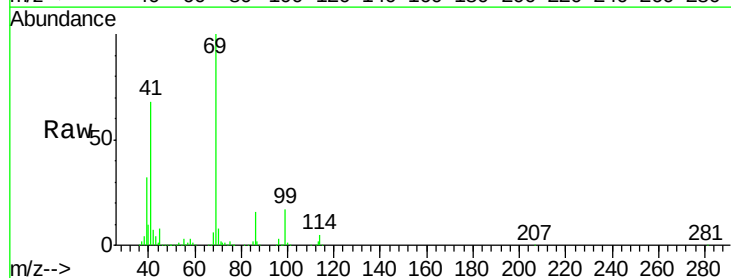
Manual Integrations
 APPROVED

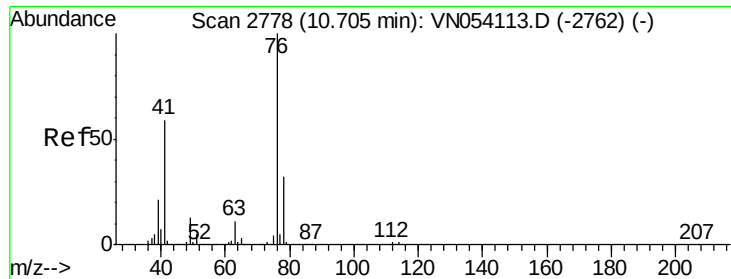
MMDadoda
 3/7/2019 11:39:37 AM



#56
 Ethyl methacrylate
 Concen: 54.287 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Tgt Ion:	69	Resp:	438390
Ion	Ratio	Lower	Upper
69	100		
41	67.3	53.4	80.2
39	32.2	25.6	38.4





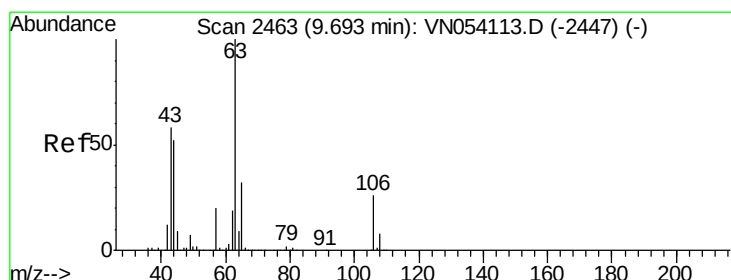
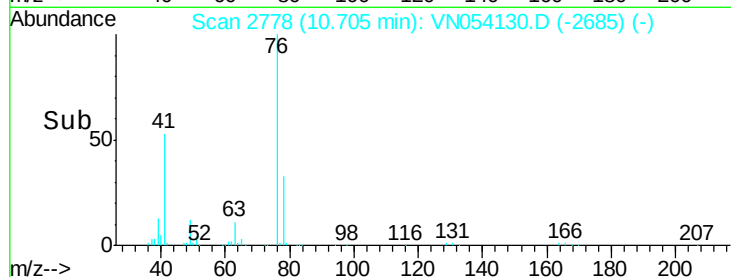
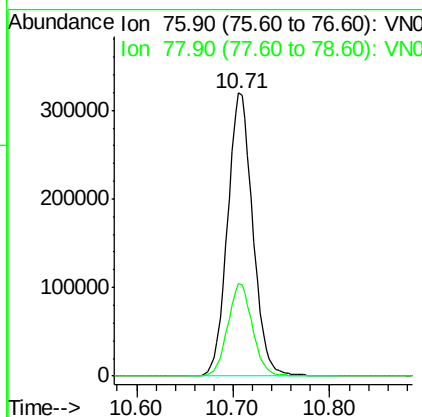
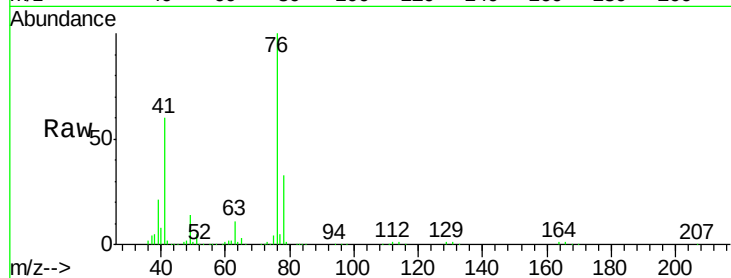
#57
 1,3-Dichloropropane
 Concen: 49.183 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 577269
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.9 38.9

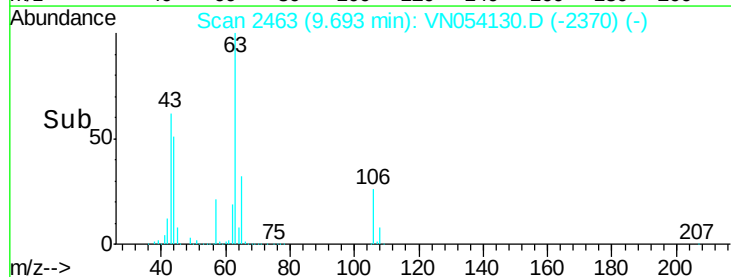
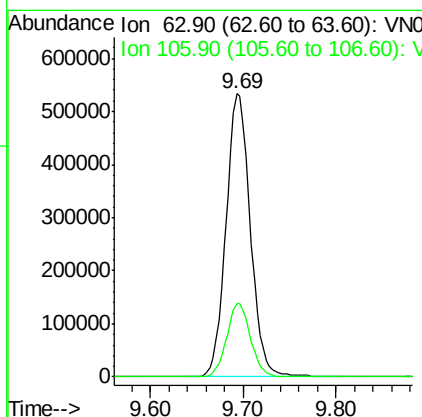
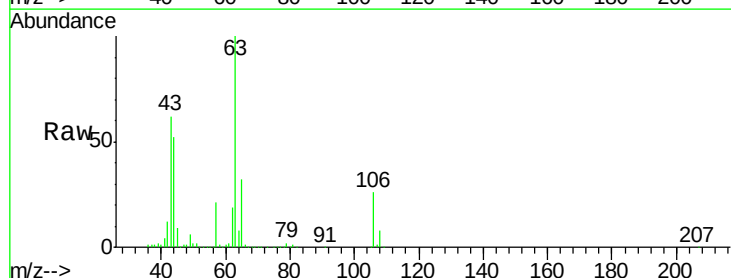
Manual Integrations
 APPROVED

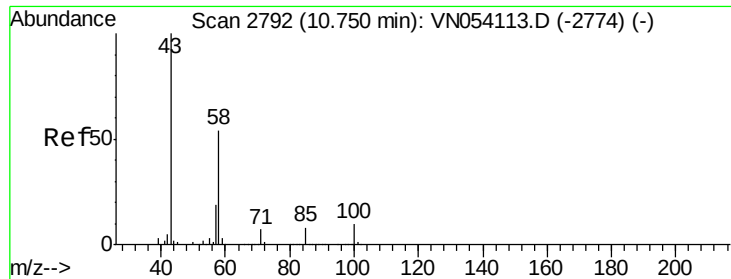
MMDadoda
 3/7/2019 11:39:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.462 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Tgt Ion: 63 Resp: 970123
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.2 30.2





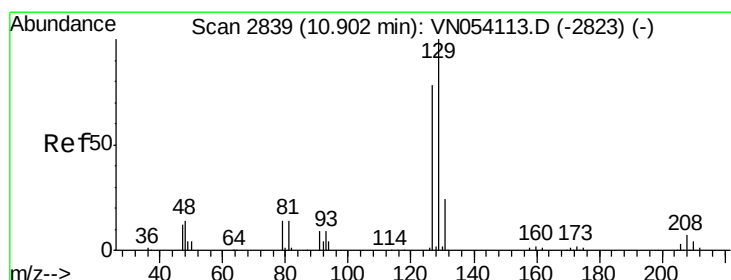
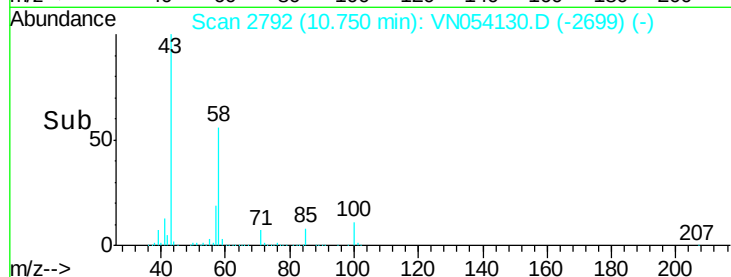
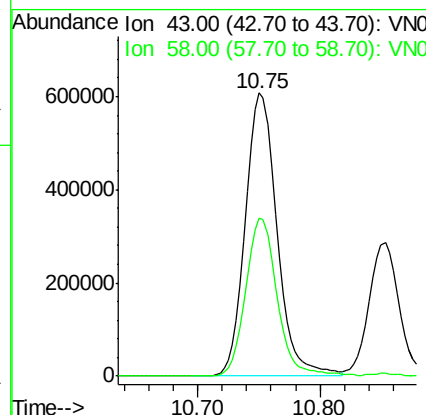
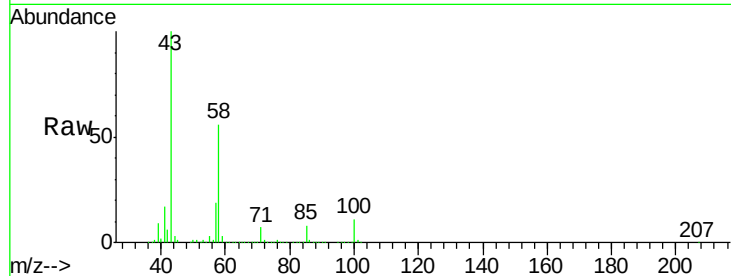
#59
2-Hexanone
Concen: 247.145 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1084835
Ion Ratio Lower Upper
43 100
58 55.3 27.0 81.0

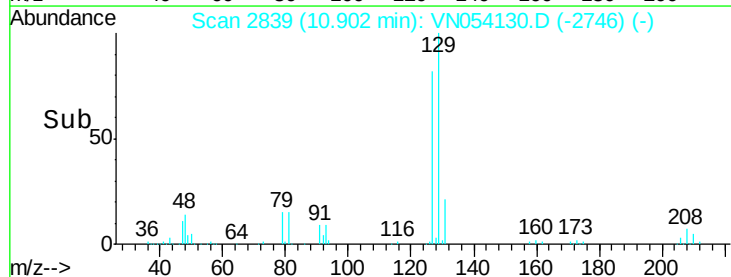
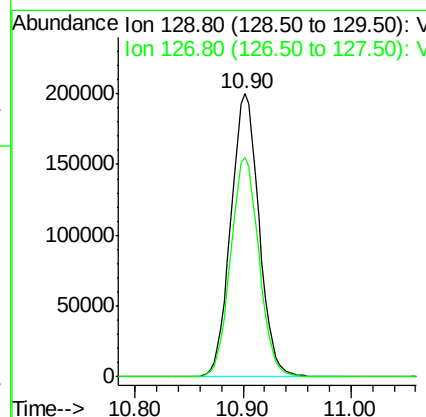
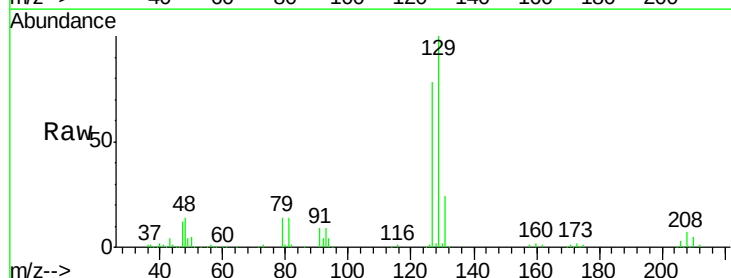
Manual Integrations
APPROVED

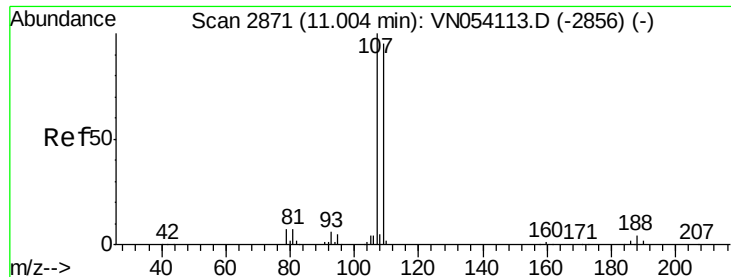
MMDadoda
3/7/2019 11:39:37 AM



#60
Dibromochloromethane
Concen: 49.667 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion: 129 Resp: 365322
Ion Ratio Lower Upper
129 100
127 77.7 38.8 116.4





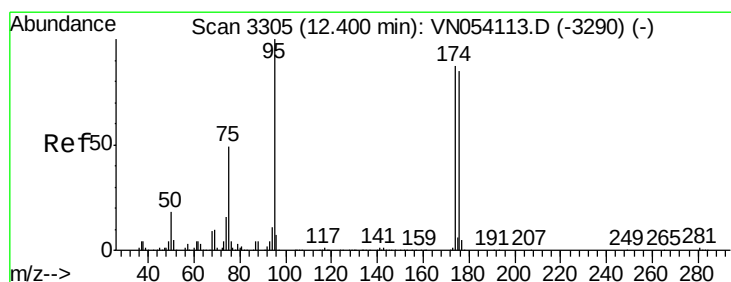
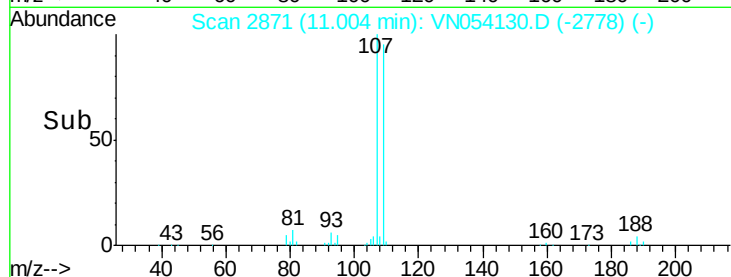
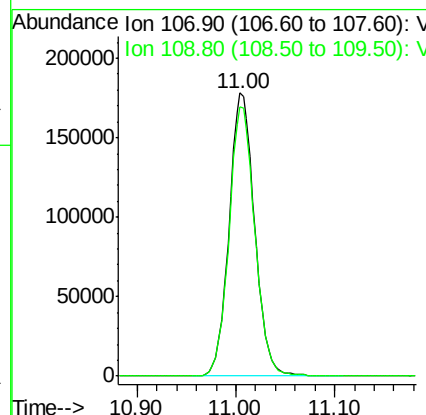
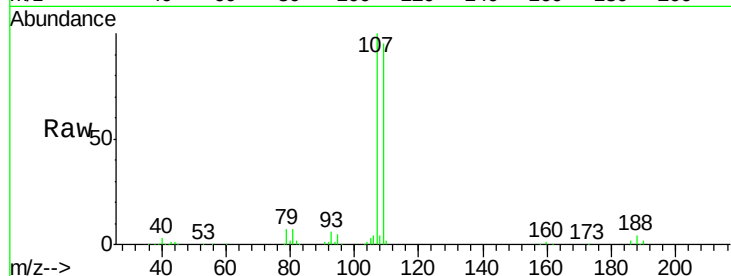
#61
 1,2-Dibromoethane
 Concen: 49.031 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	74.9	112.3

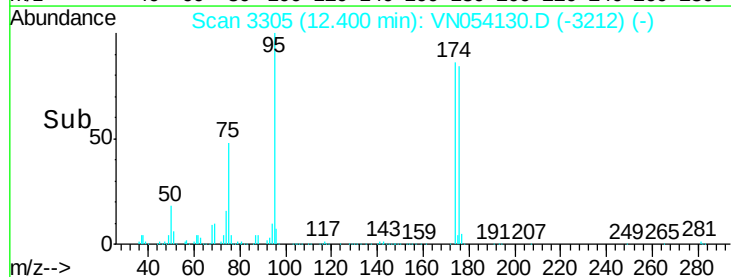
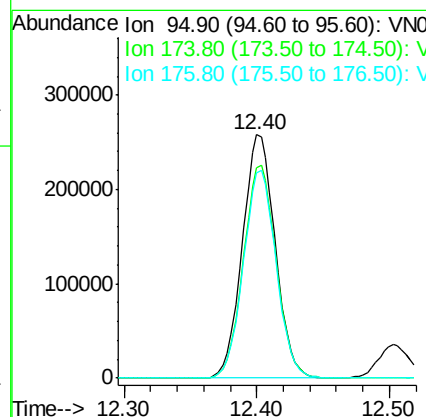
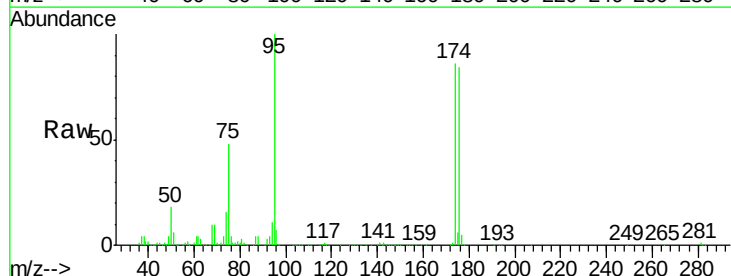
Manual Integrations
 APPROVED

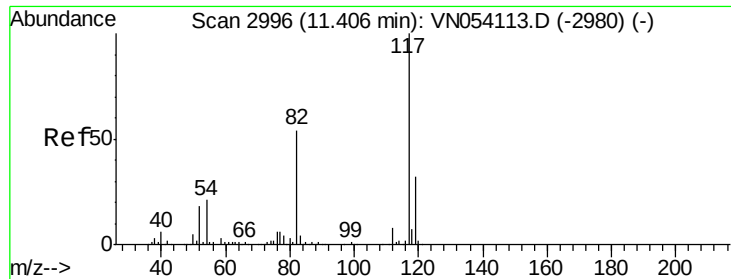
MMDadoda
 3/7/2019 11:39:37 AM



#62
 4-Bromofluorobenzene
 Concen: 49.743 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.2	0.0	173.2
176	85.0	0.0	168.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

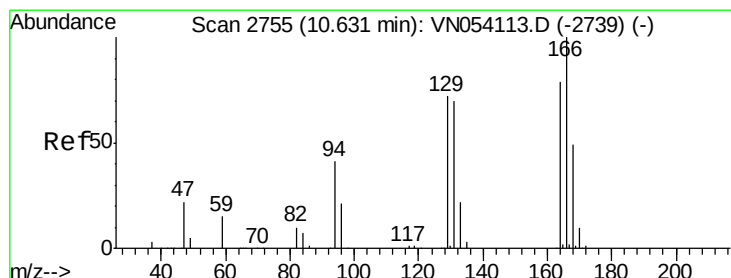
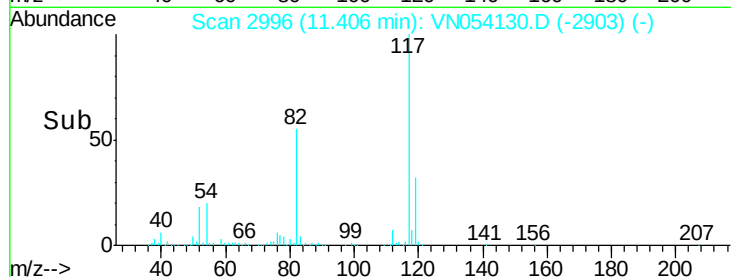
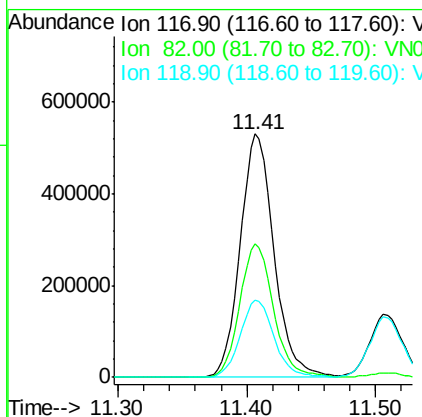
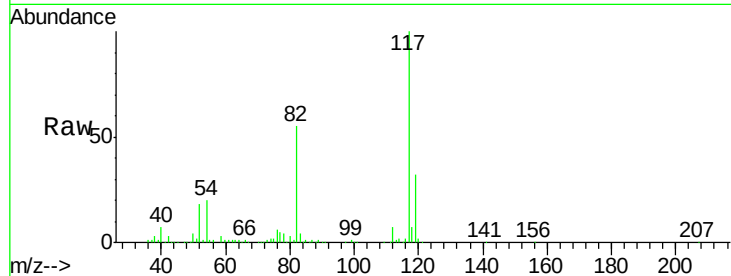
ClientSampled :

VSTDCCC050EC

Tot Ion:	117	Resp:	968984
Ion Ratio		Lower	Upper
117	100		
82	54.8	43.4	65.2
119	31.9	26.0	39.0

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:37 AM



#64

Tetrachloroethene

Concen: 45.295 ug/l

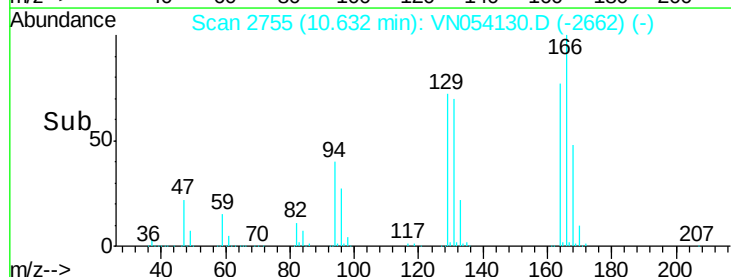
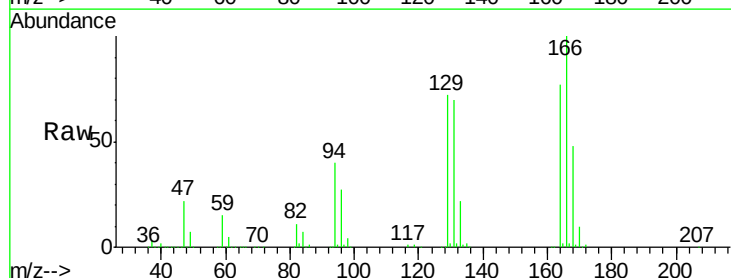
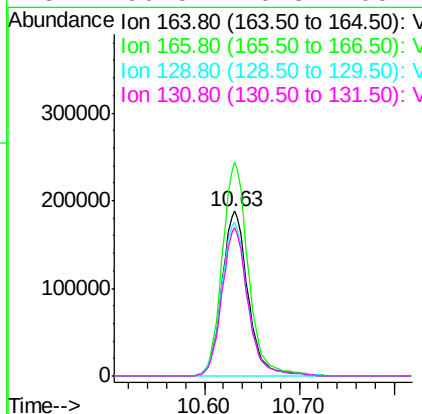
RT: 10.63 min Scan# 2755

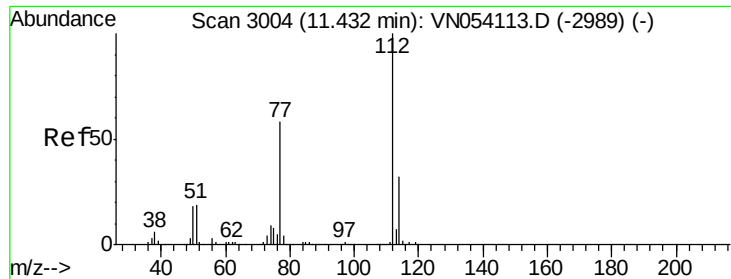
Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Tgt Ion:	164	Resp:	360195
Ion Ratio		Lower	Upper
164	100		
166	129.6	101.3	151.9
129	93.5	73.2	109.8
131	90.5	70.8	106.2





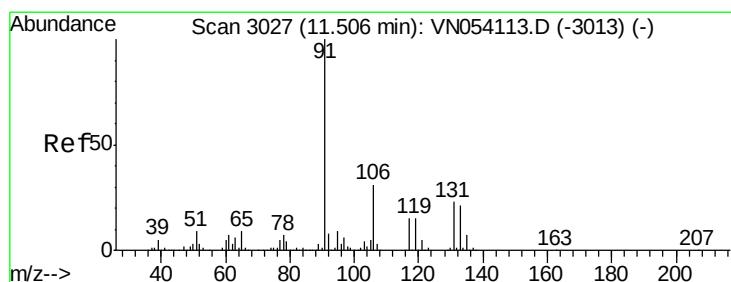
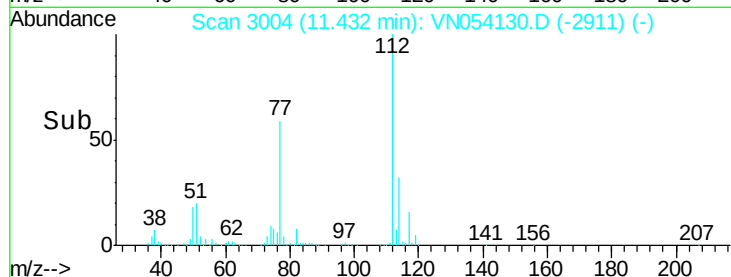
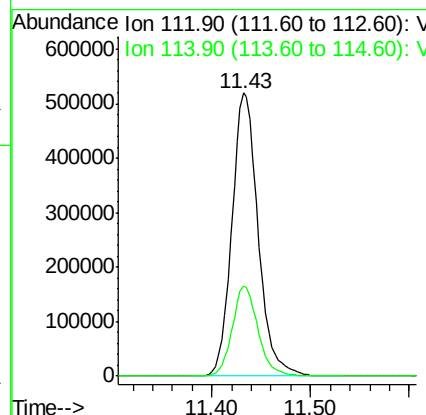
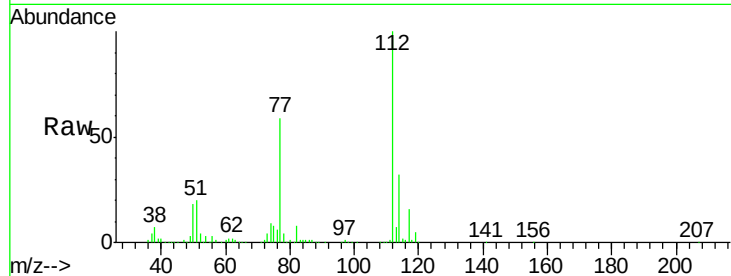
#65
Chlorobenzene
Concen: 47.723 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 962332
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0

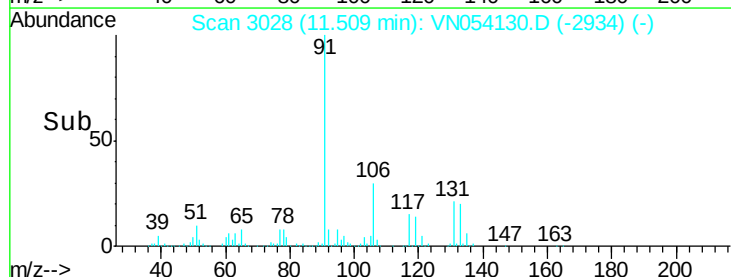
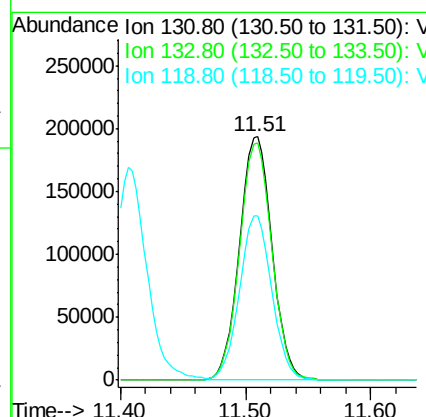
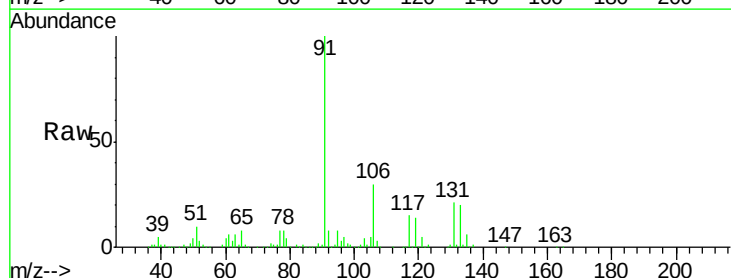
Manual Integrations
APPROVED

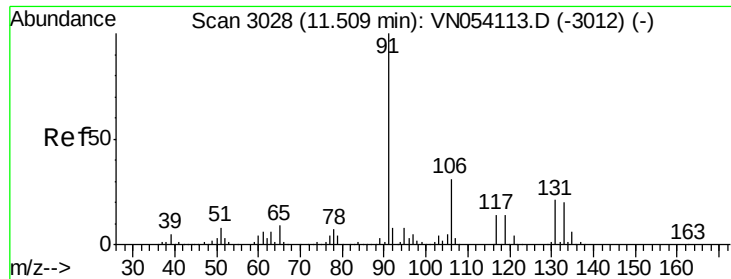
MMDadoda
3/7/2019 11:39:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.460 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion:131 Resp: 349804
Ion Ratio Lower Upper
131 100
133 96.9 47.6 142.9
119 67.0 33.8 101.3





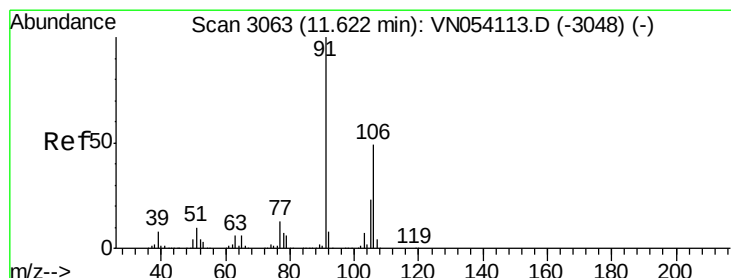
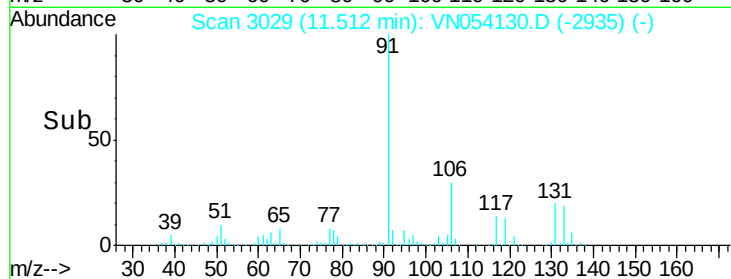
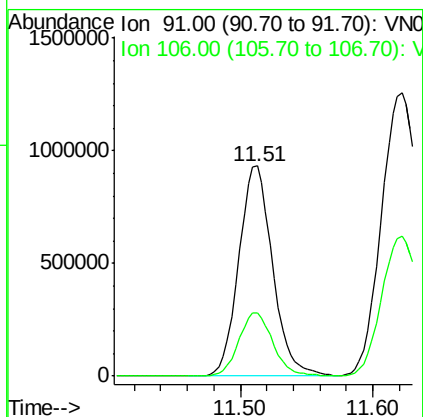
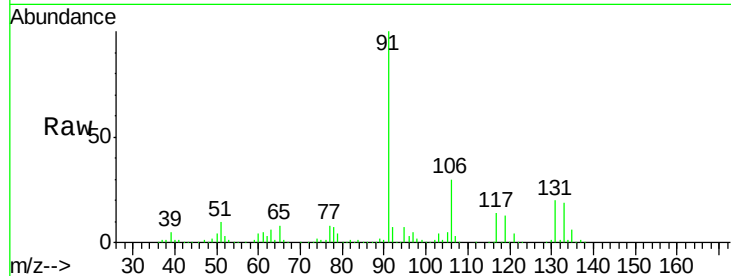
#67
Ethyl Benzene
Concen: 49.133 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1657915
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8

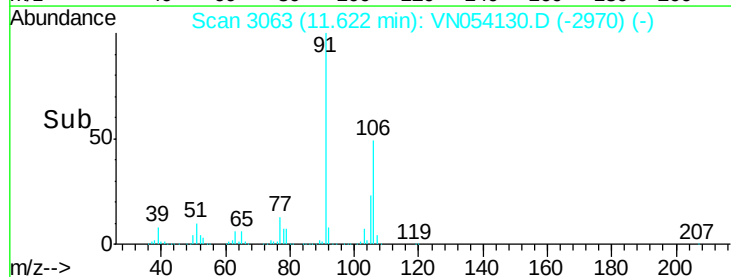
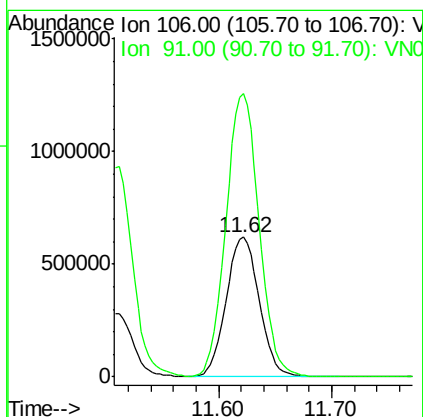
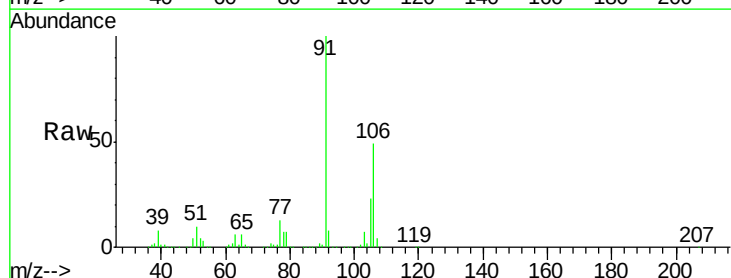
Manual Integrations
APPROVED

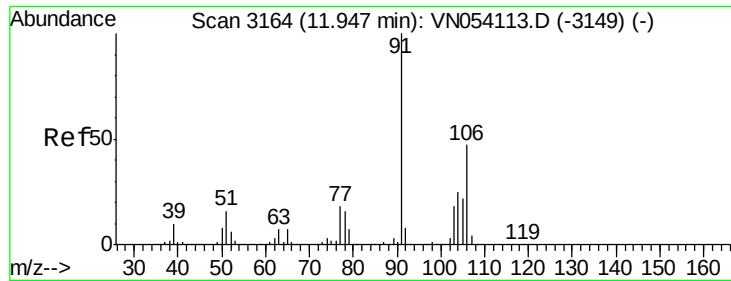
MMDadoda
3/7/2019 11:39:37 AM



#68
m/p-Xylenes
Concen: 99.231 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion: 106 Resp: 1263594
Ion Ratio Lower Upper
106 100
91 202.9 163.2 244.8





#69

o-Xylene

Concen: 50.244 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:106 Resp: 615661

Ion Ratio Lower Upper

106 100

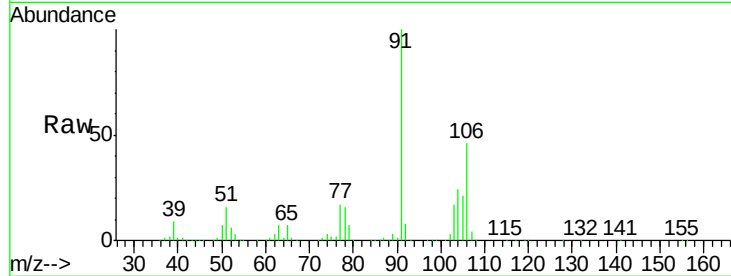
91 215.8 107.1 321.3

Manual Integrations

APPROVED

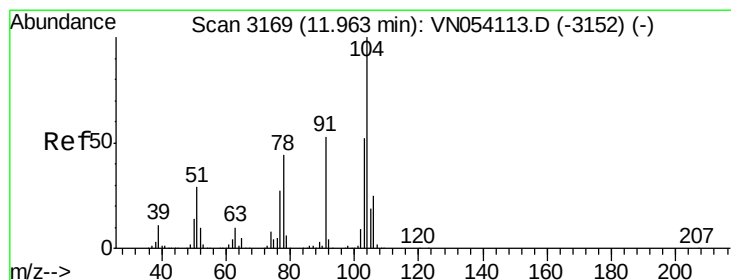
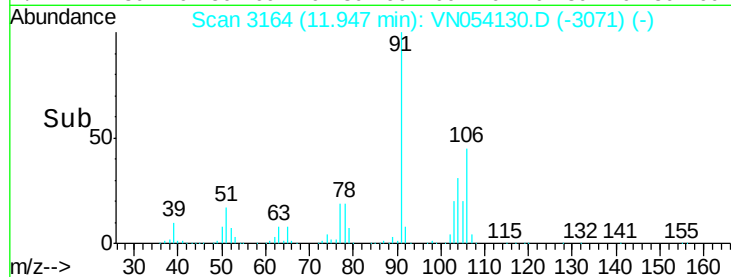
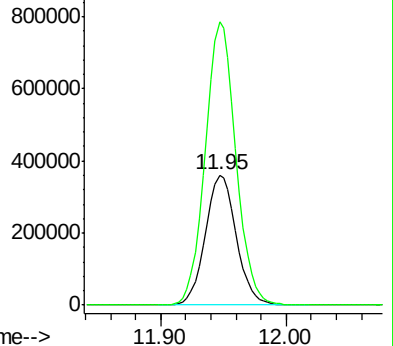
MMDadoda

3/7/2019 11:39:37 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 50.987 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

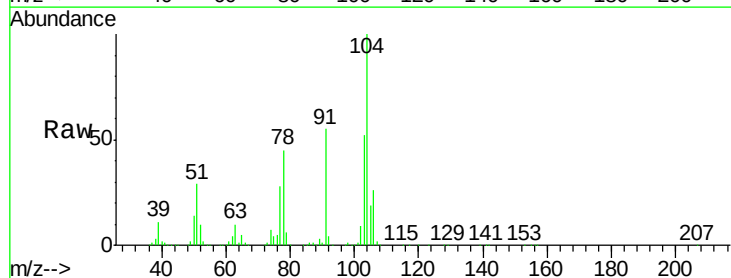
Tgt Ion:104 Resp: 991743

Ion Ratio Lower Upper

104 100

78 49.2 39.4 59.0

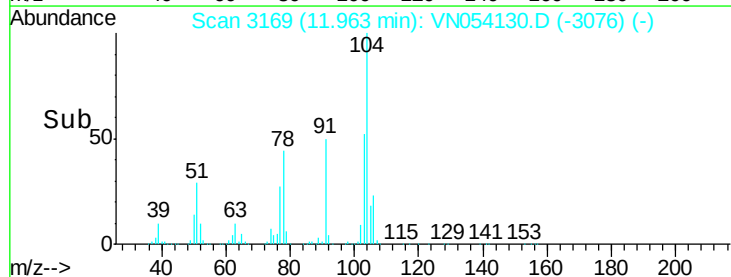
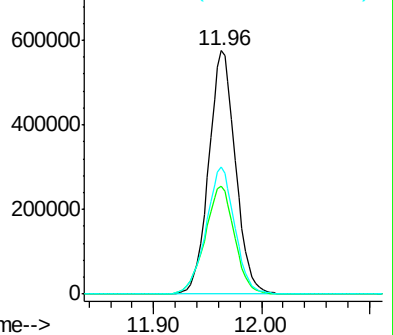
103 56.0 44.7 67.1

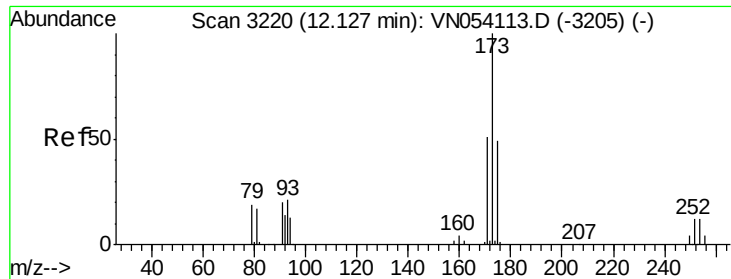


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





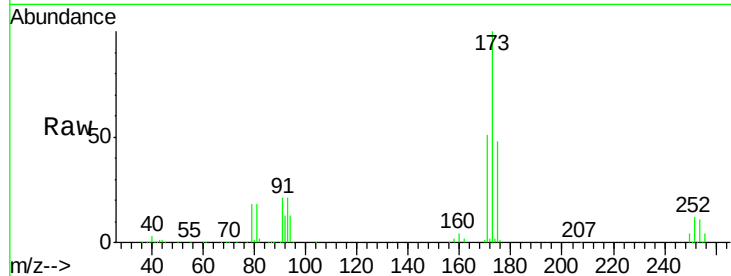
#71
Bromoform
Concen: 50.486 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

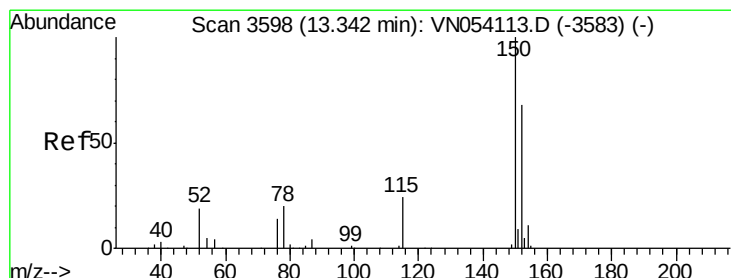
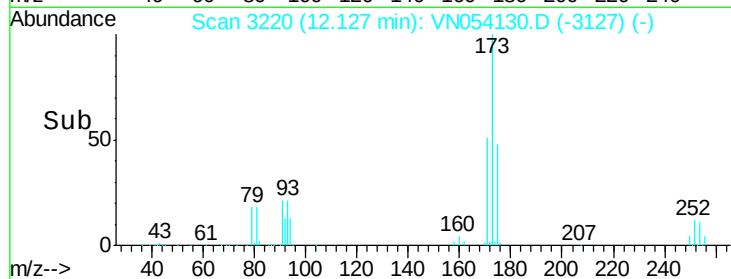
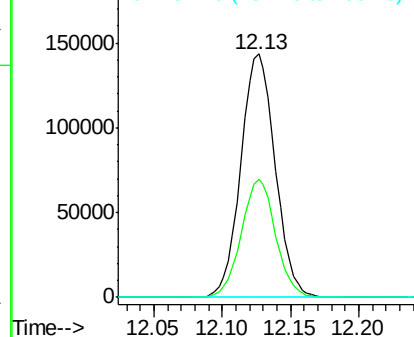
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.2
254	0.1	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:37 AM

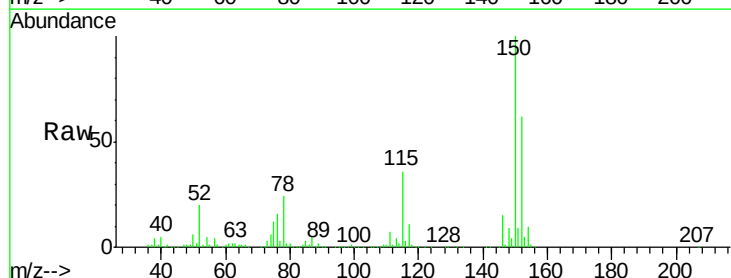


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

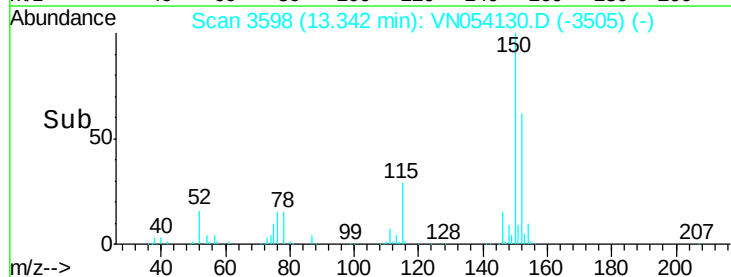
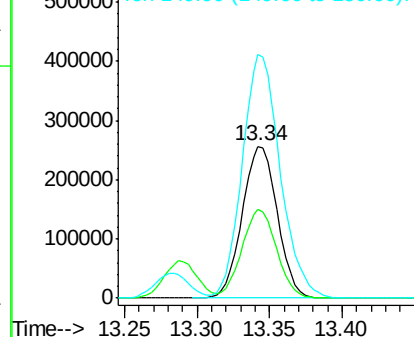


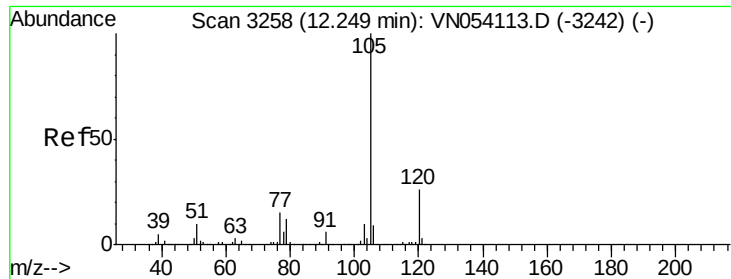
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.5	85.6
150	173.9	0.0	343.2



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: 46.849 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1605120

Ion Ratio Lower Upper

105 100

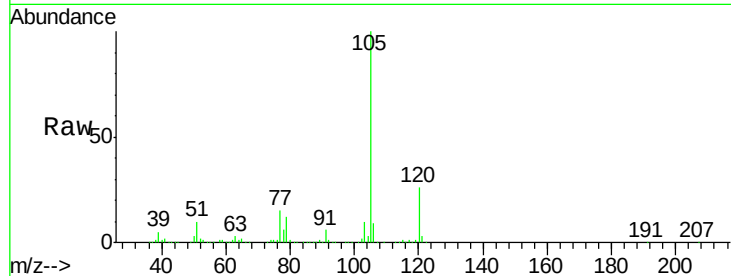
120 26.3 13.3 39.8

Manual Integrations

APPROVED

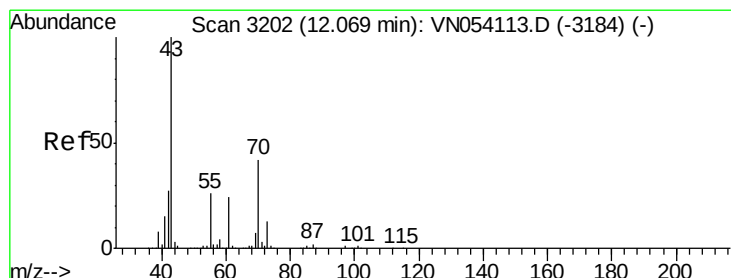
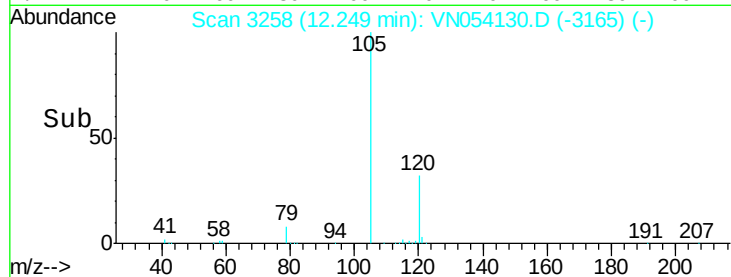
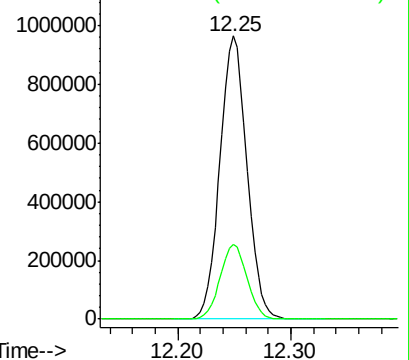
MMDadoda

3/7/2019 11:39:37 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.079 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Tgt Ion: 43 Resp: 490714

Ion Ratio Lower Upper

43 100

70 41.3 33.6 50.4

55 24.8 20.6 31.0

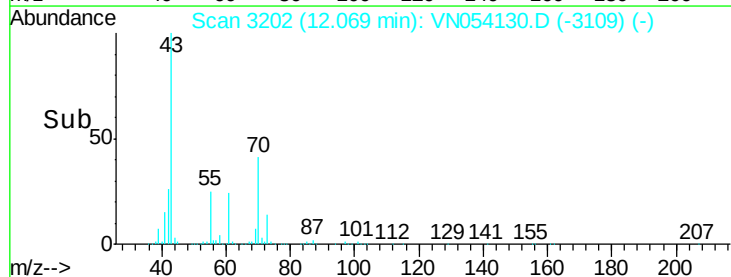
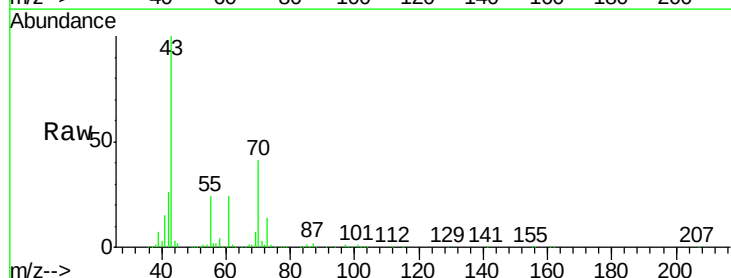
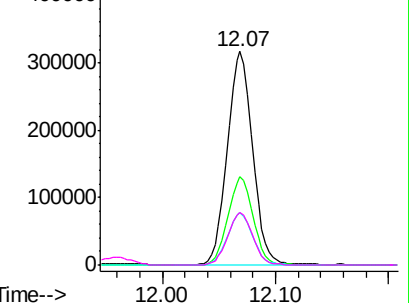
61 24.4 19.4 29.2

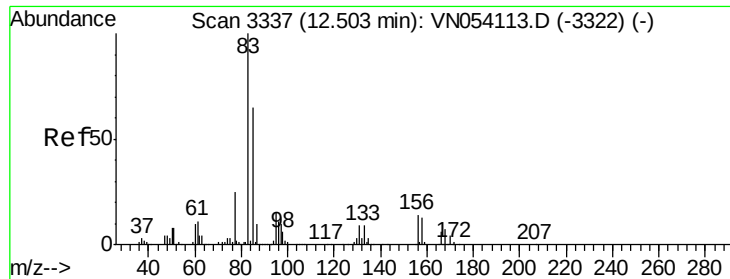
Abundance Ion 43.00 (42.70 to 43.70): V

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: 51.315 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 405019

Ion Ratio Lower Upper

83 100

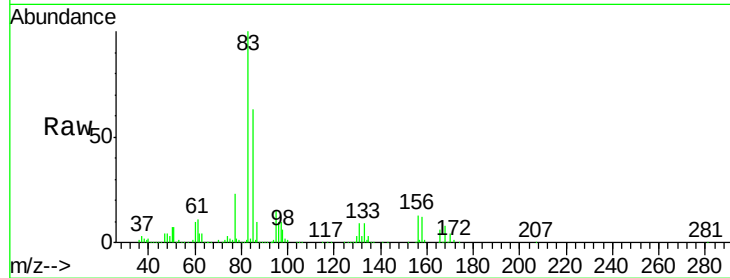
131 9.9 5.0 14.9

85 65.0 32.4 97.0

Manual Integrations
APPROVED

MMDadoda

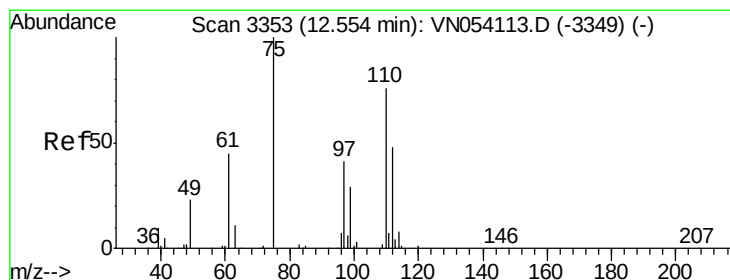
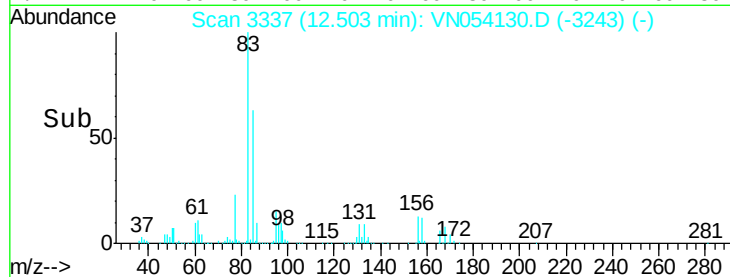
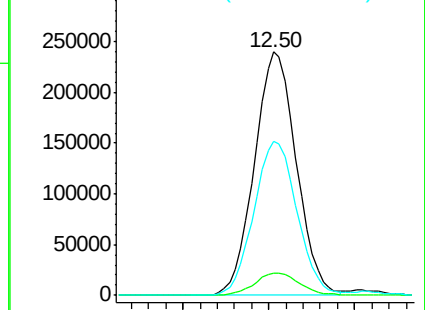
3/7/2019 11:39:37 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 46.923 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054130.D

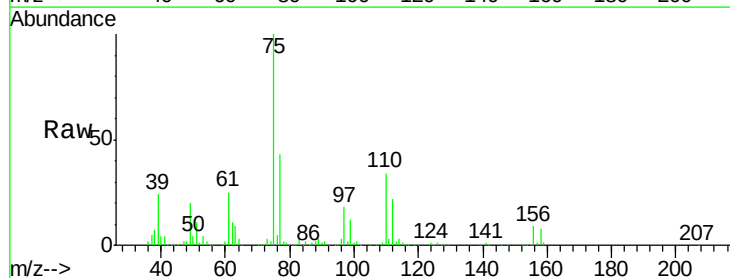
Acq: 6 Mar 2019 21:18

Tgt Ion: 75 Resp: 344333

Ion Ratio Lower Upper

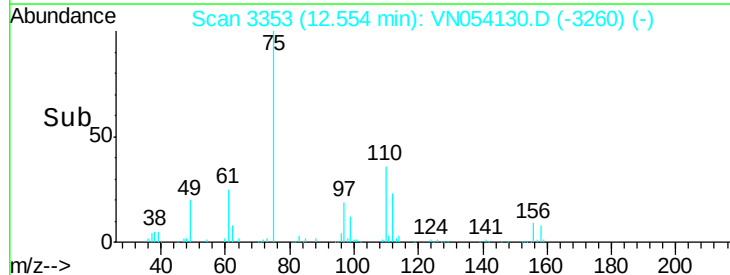
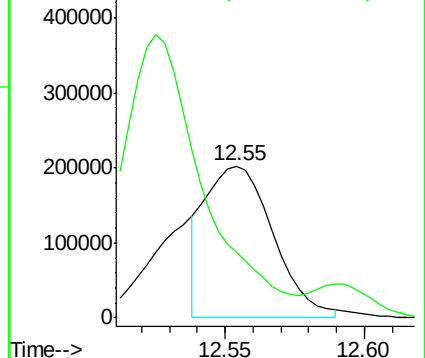
75 100

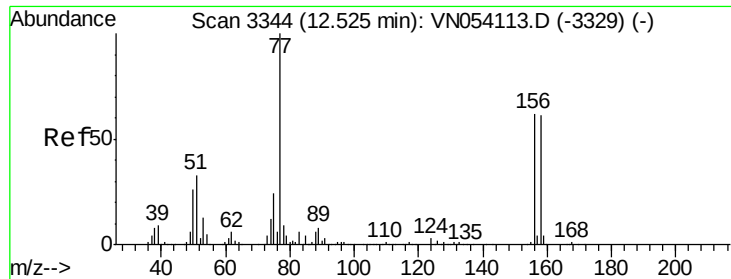
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 52.459 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

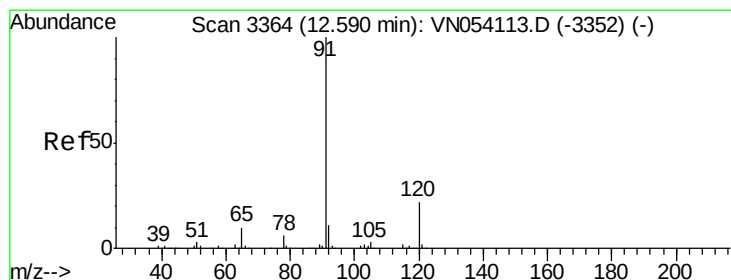
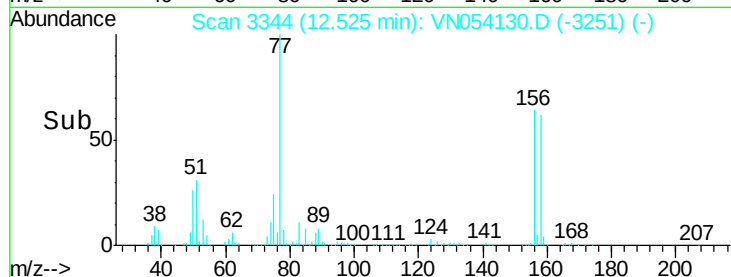
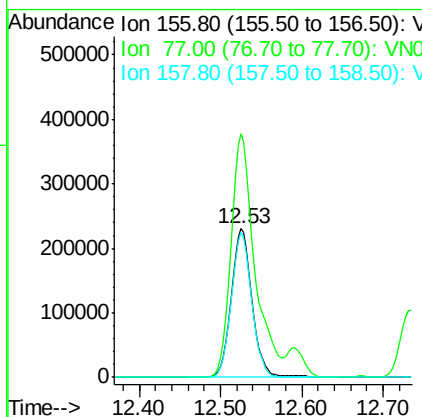
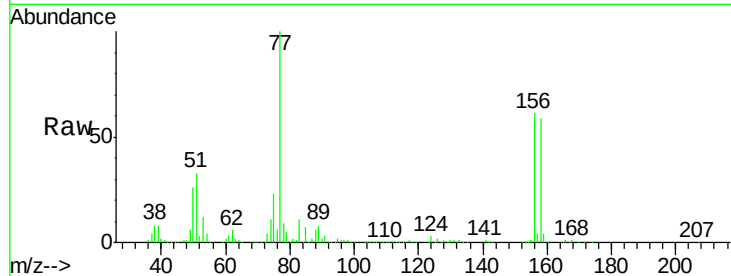
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	414147
Ion Ratio	Lower	Upper	
156	100		
77	186.3	93.6	280.8
158	94.8	48.4	145.0

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:37 AM



#78

n-propylbenzene

Concen: 48.072 ug/l

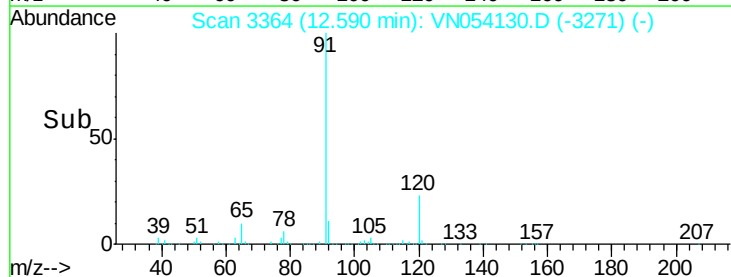
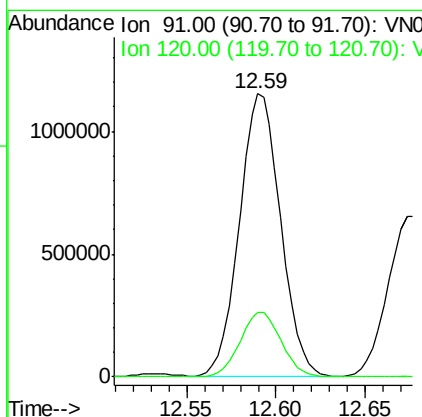
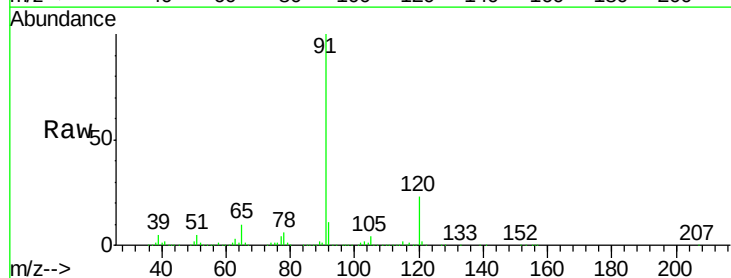
RT: 12.59 min Scan# 3364

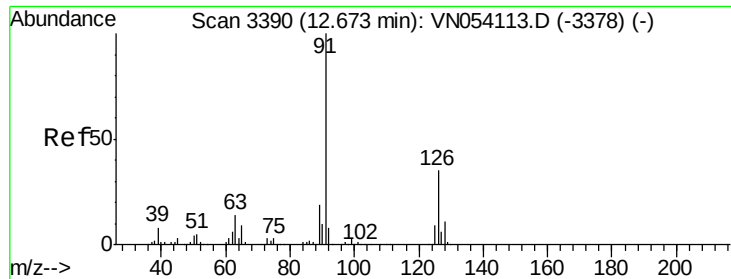
Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Tgt Ion:	91	Resp:	1853320
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.3	33.9





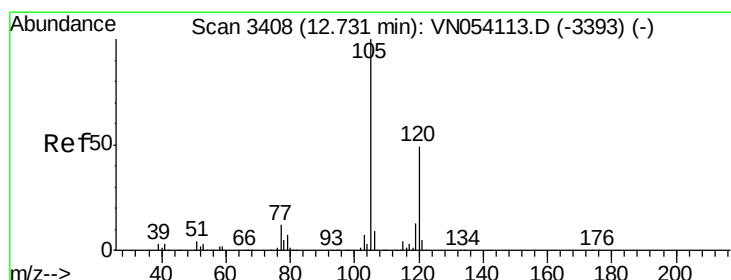
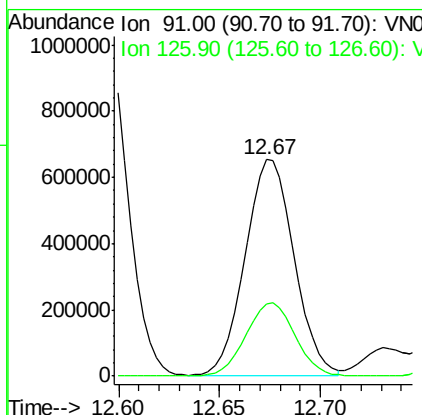
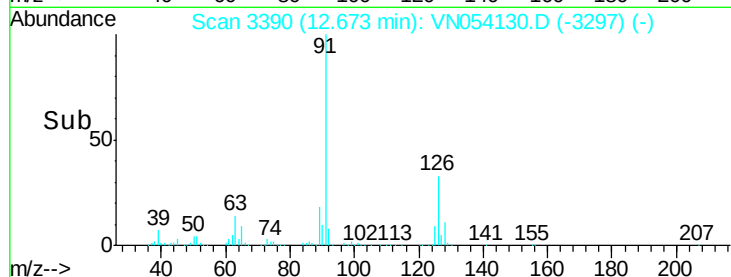
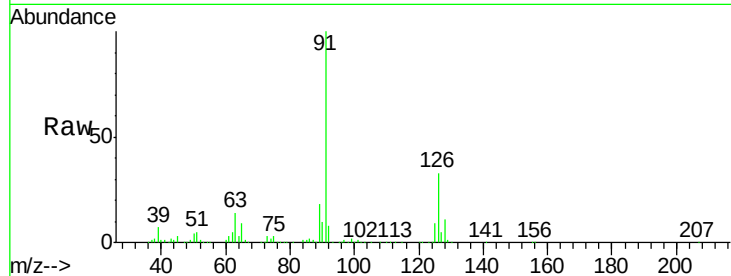
#79
 2-Chlorotoluene
 Concen: 47.349 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 1108687
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.4 52.2

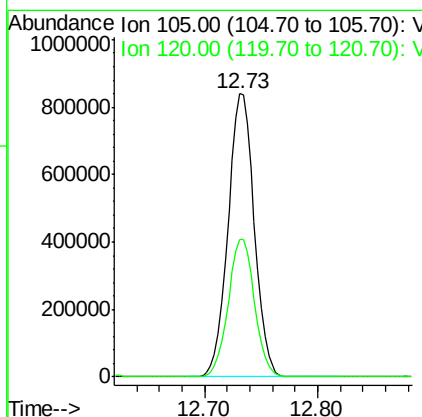
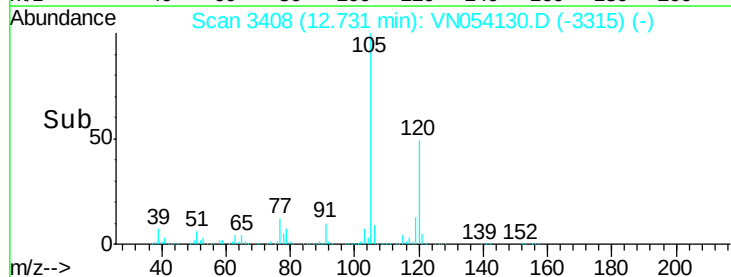
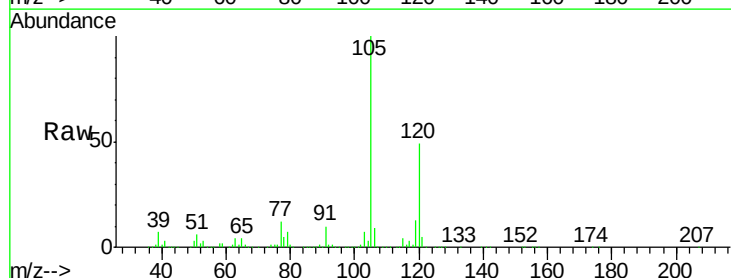
Manual Integrations
 APPROVED

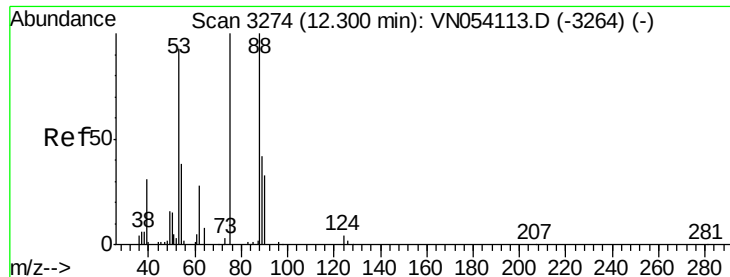
MMDadoda
 3/7/2019 11:39:37 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.427 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Tgt Ion: 105 Resp: 1348757
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.082 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

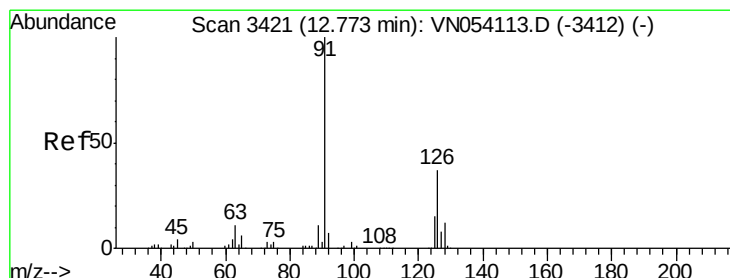
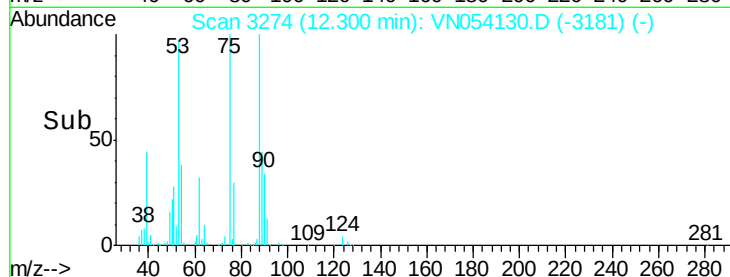
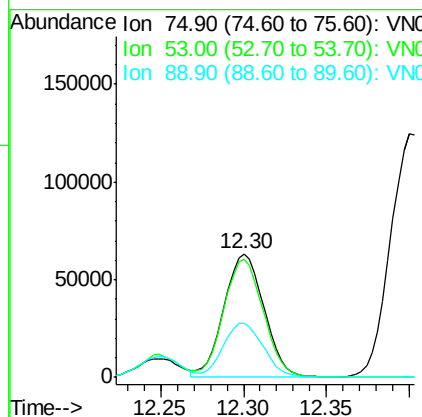
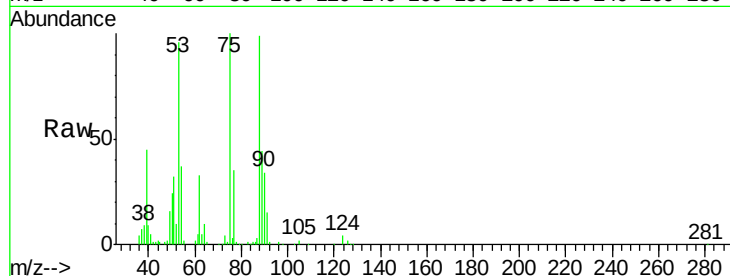
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	107017
Ion	Ratio	Lower	Upper
75	100		
53	94.7	76.4	114.6
89	43.9	35.3	52.9

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:37 AM



#82

4-Chlorotoluene

Concen: 47.522 ug/l

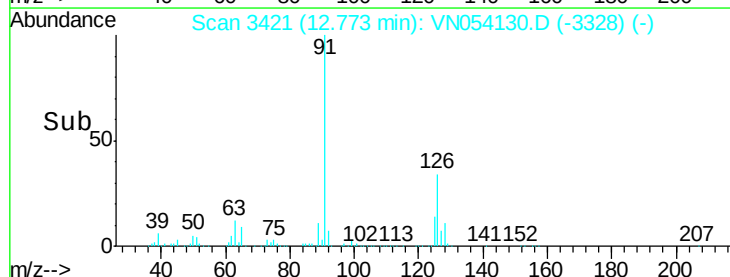
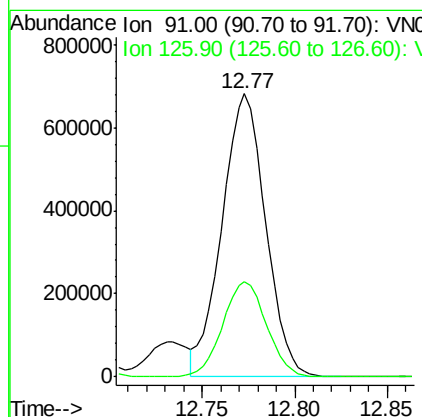
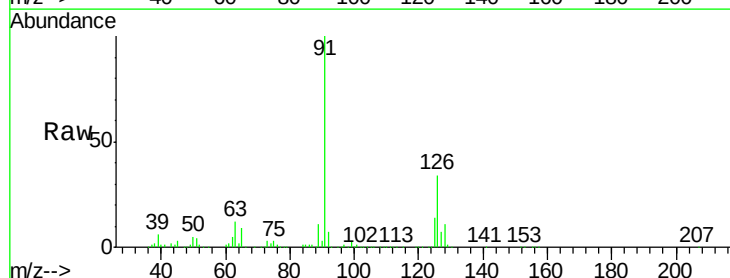
RT: 12.77 min Scan# 3421

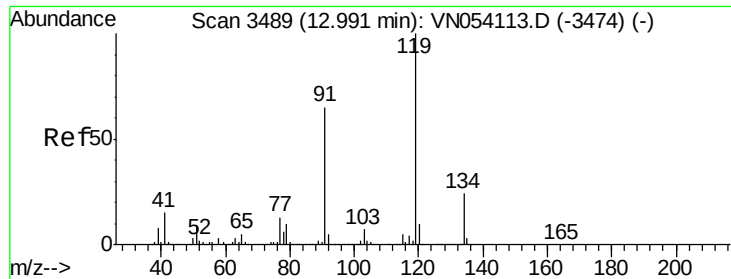
Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Tgt Ion:	91	Resp:	1109258
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.1	51.3





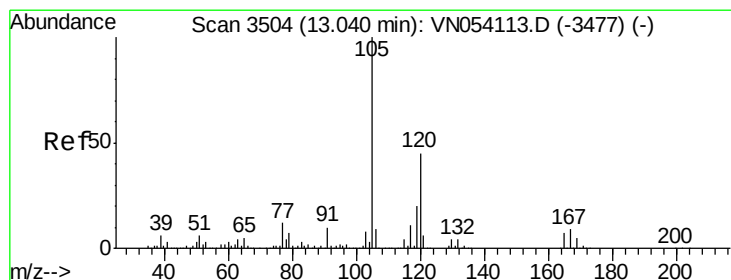
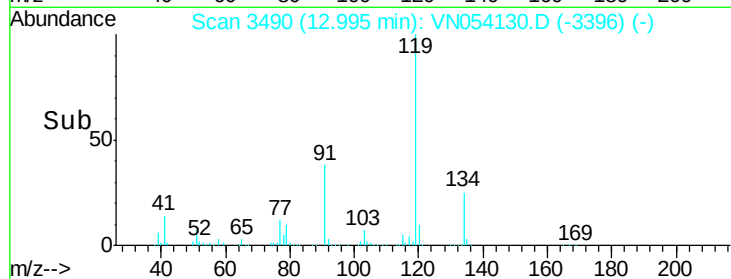
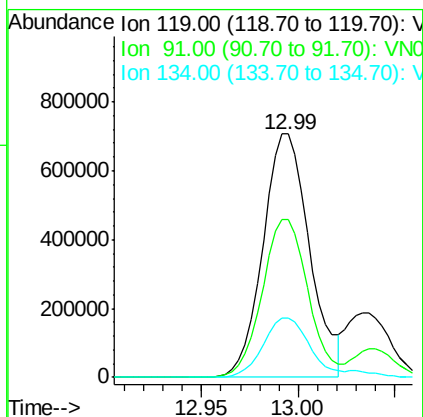
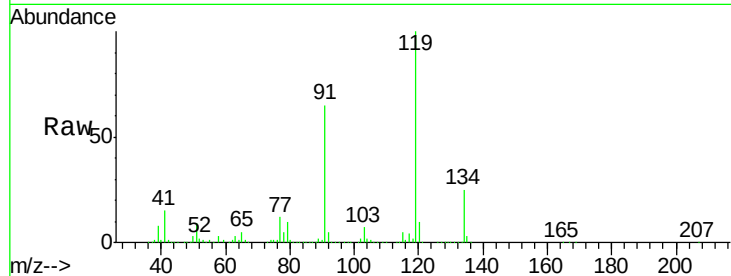
#83
 tert-Butylbenzene
 Concen: 48.169 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	31.8	95.3
134	25.9	12.8	38.3

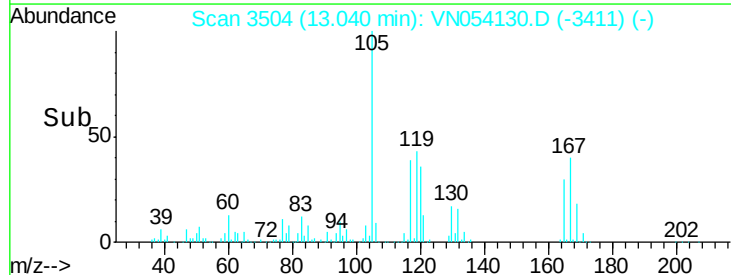
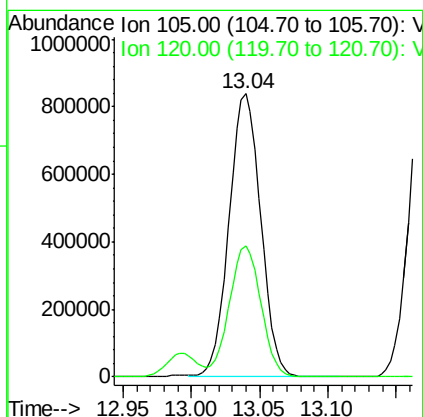
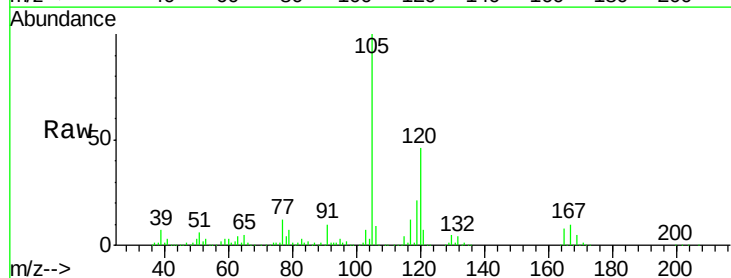
Manual Integrations
 APPROVED

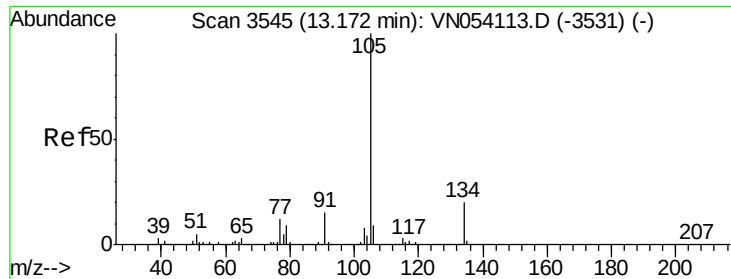
MMDadoda
 3/7/2019 11:39:37 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.896 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.6	67.7





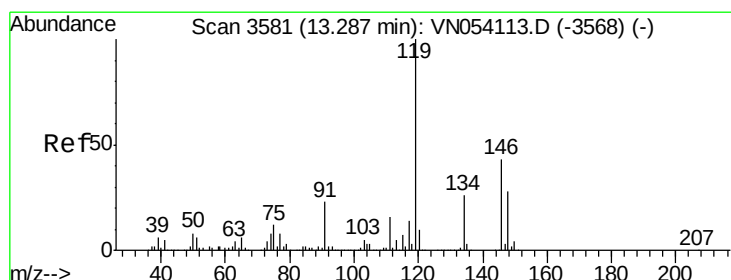
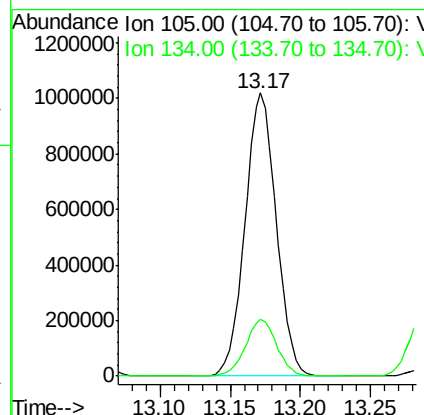
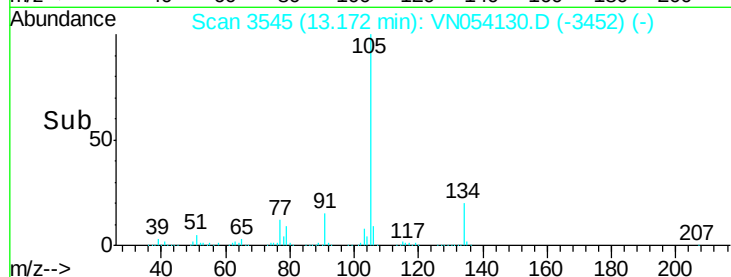
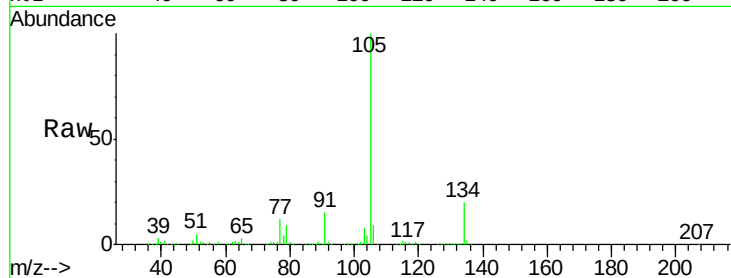
#85
 sec-Butylbenzene
 Concen: 47.213 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1580300
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.8 29.5

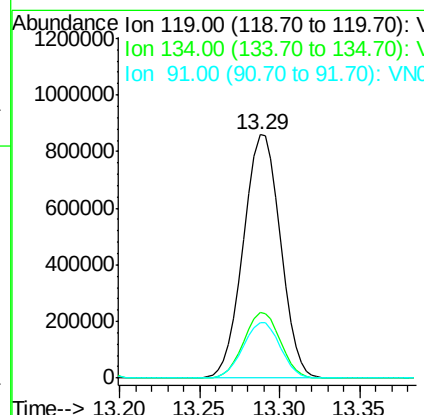
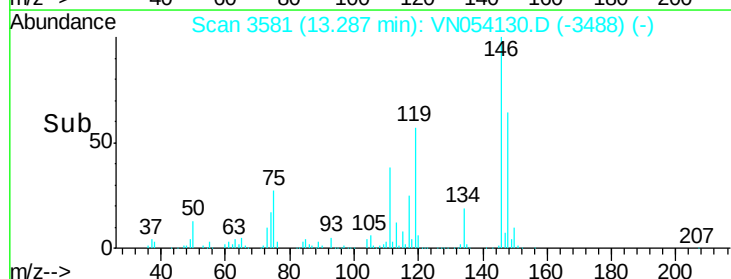
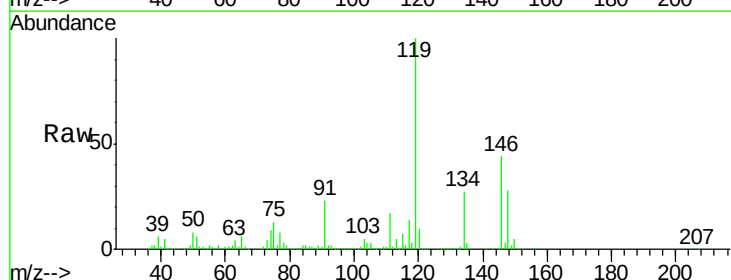
Manual Integrations
 APPROVED

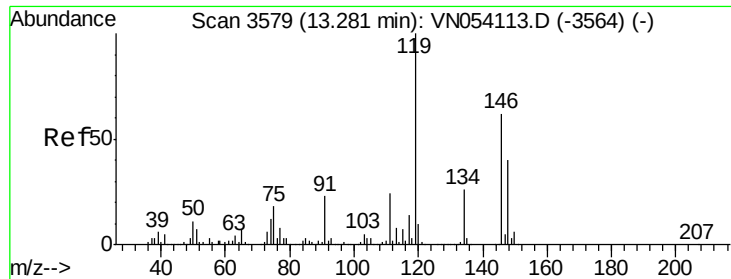
MMDadoda
 3/7/2019 11:39:37 AM



#86
 p-Isopropyltoluene
 Concen: 48.176 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Tgt Ion:119 Resp: 1355632
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.2 39.5
 91 22.7 11.4 34.2





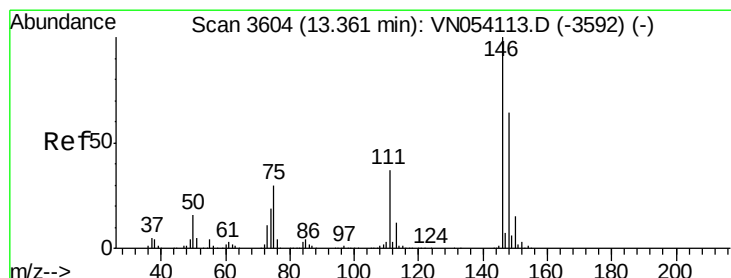
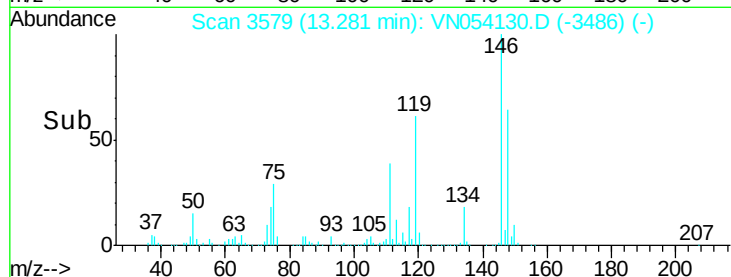
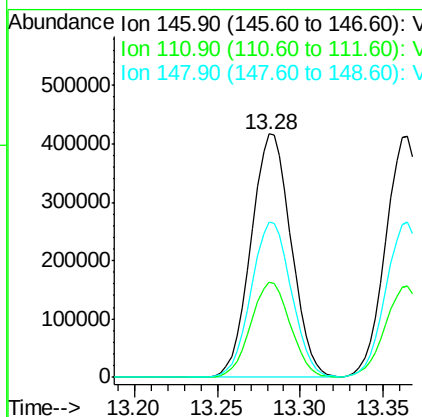
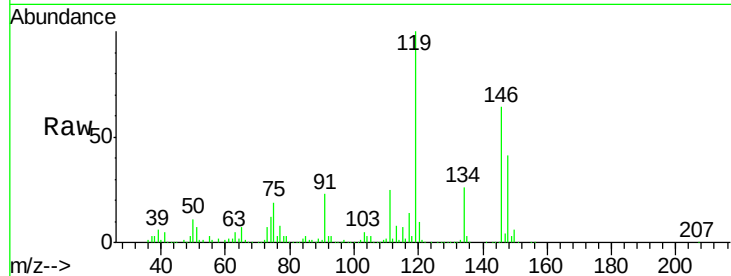
#87
 1,3-Dichlorobenzene
 Concen: 46.722 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.8
148	64.0	32.4	97.0

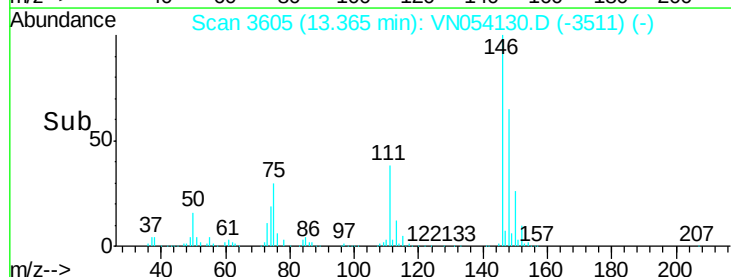
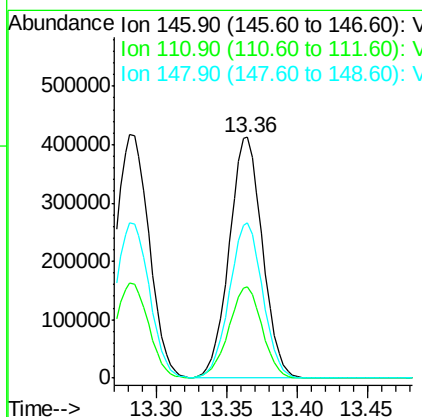
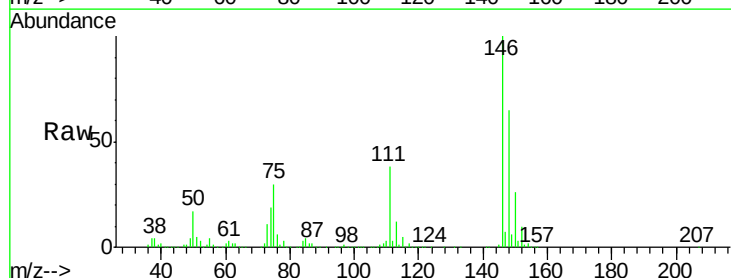
Manual Integrations
 APPROVED

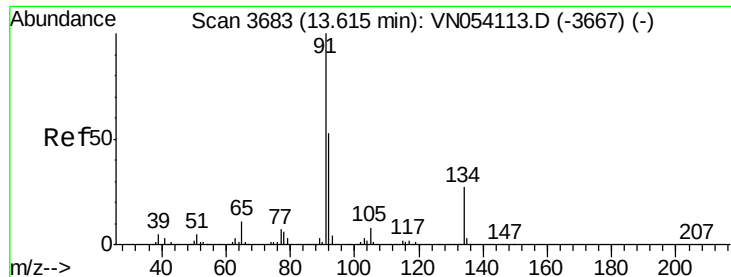
MMDadoda
 3/7/2019 11:39:37 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.611 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.5
148	64.7	32.1	96.5





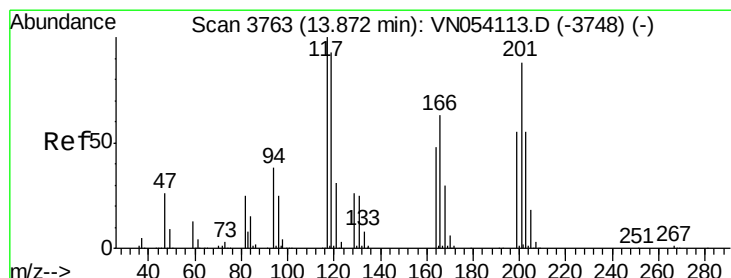
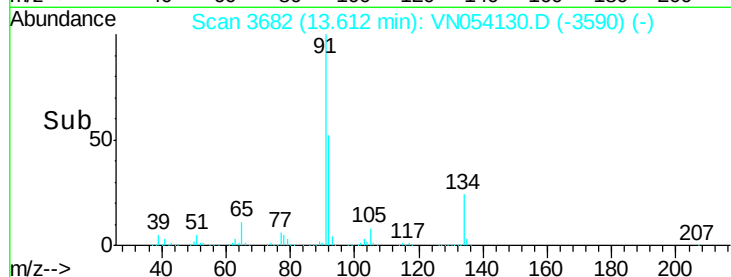
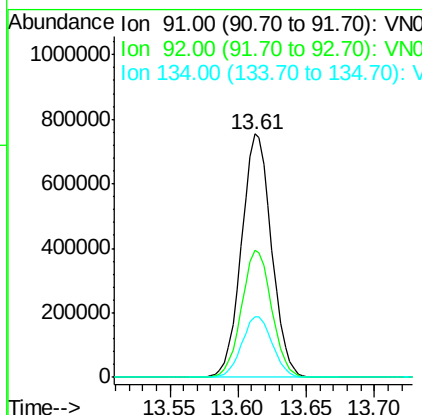
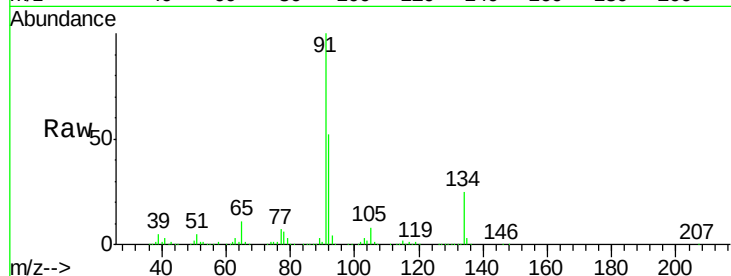
#89
n-Butylbenzene
Concen: 48.498 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	25.5	13.1	39.1

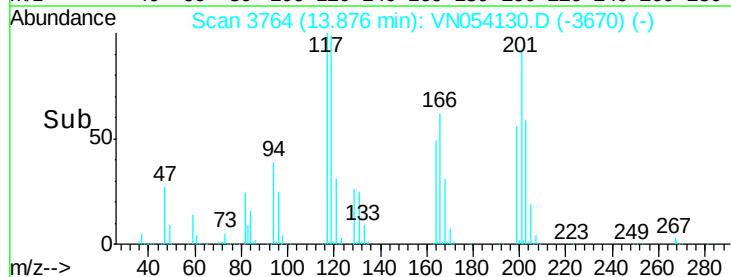
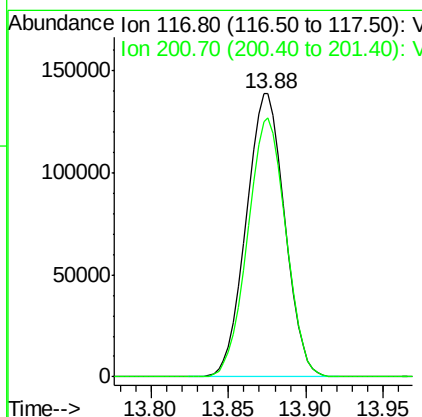
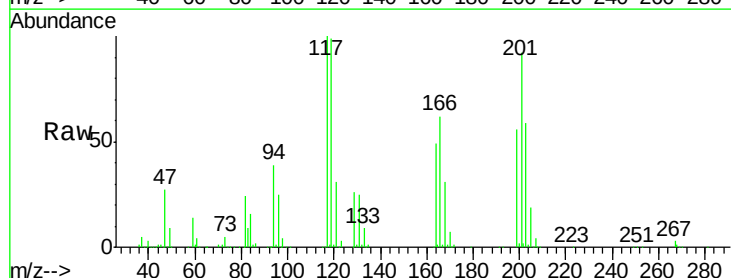
Manual Integrations
APPROVED

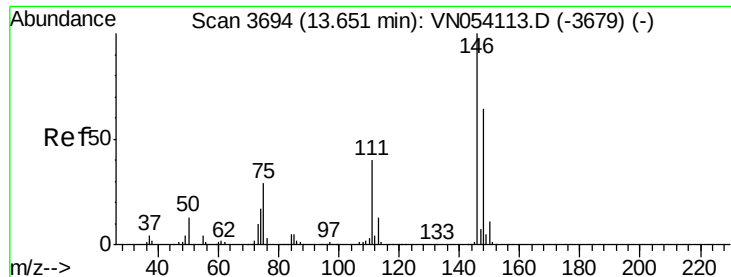
MMDadoda
3/7/2019 11:39:37 AM



#90
Hexachloroethane
Concen: 44.589 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	44.9	134.7





#91

1,2-Dichlorobenzene

Concen: 51.025 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Instrument :

MSVOA_N

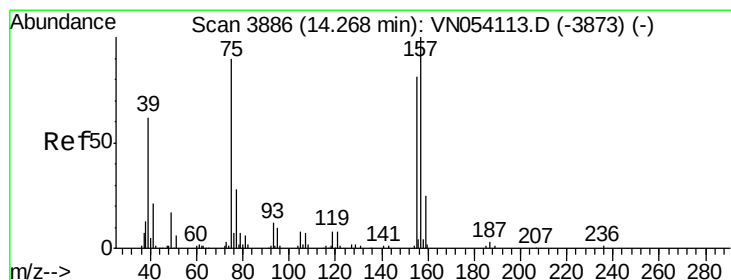
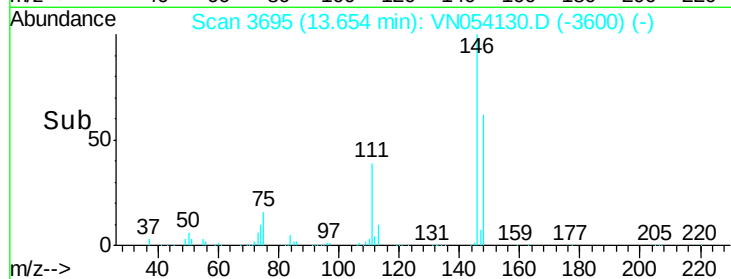
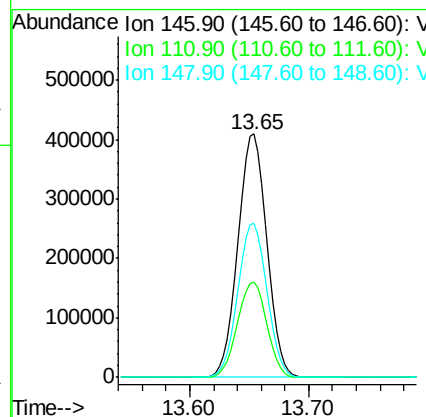
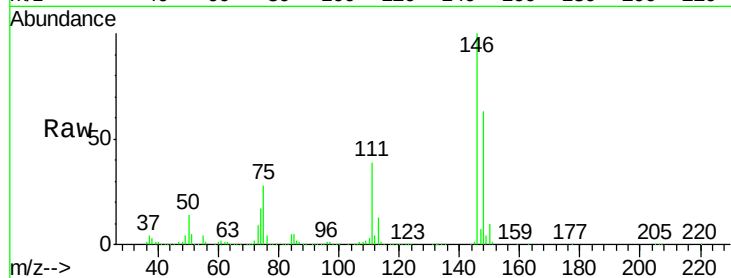
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	688766
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.0	60.0
148	63.8	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:37 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.378 ug/l

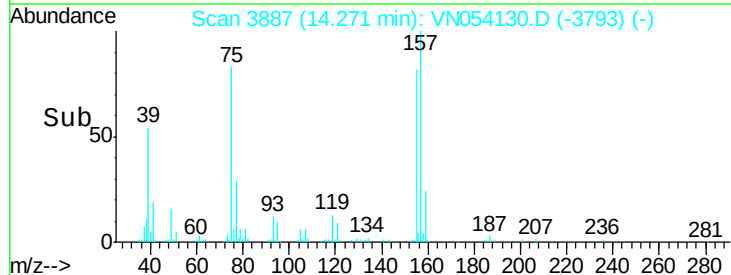
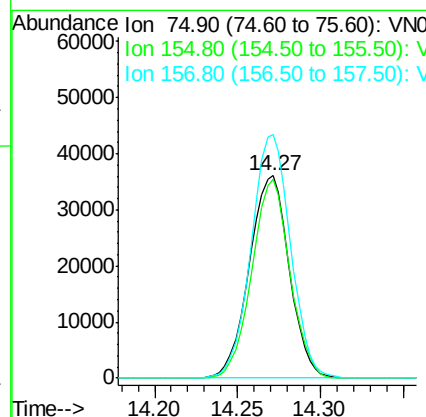
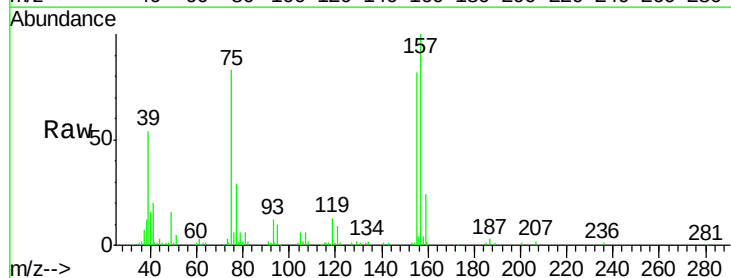
RT: 14.27 min Scan# 3887

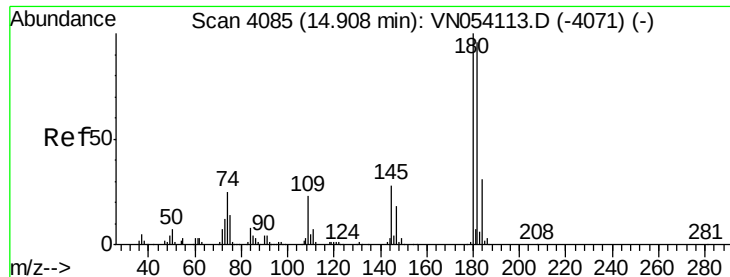
Delta R.T. 0.00 min

Lab File: VN054130.D

Acq: 6 Mar 2019 21:18

Tgt Ion:	75	Resp:	60477
Ion Ratio	Lower	Upper	
75	100		
155	93.2	44.5	133.5
157	118.1	57.2	171.6





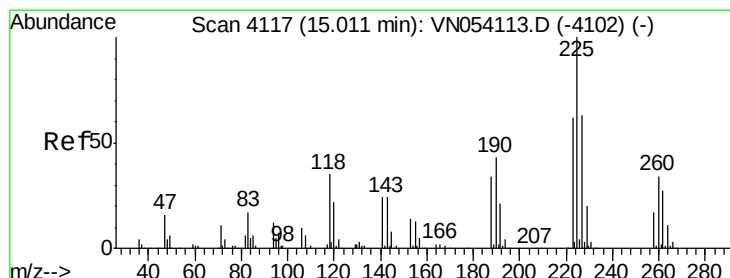
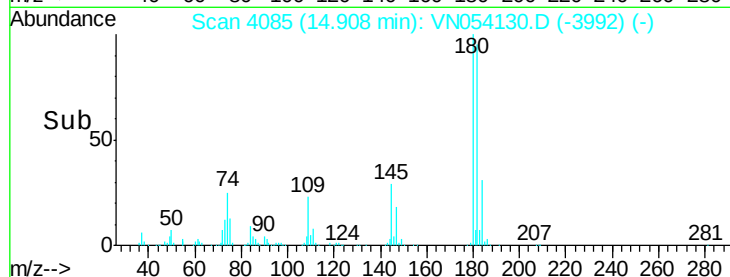
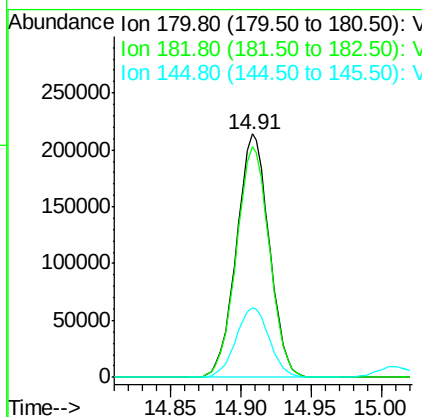
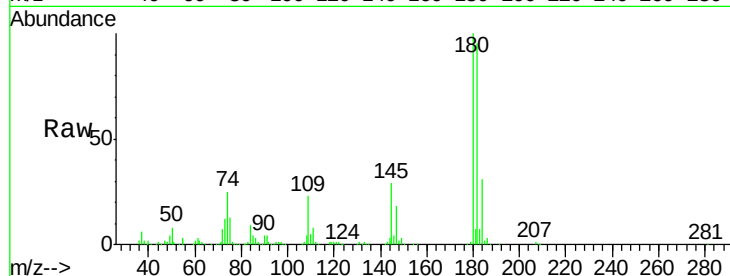
#93
 1,2,4-Trichlorobenzene
 Concen: 48.803 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	347724		
182	95.7	48.1	144.3	
145	29.1	13.9	41.7	

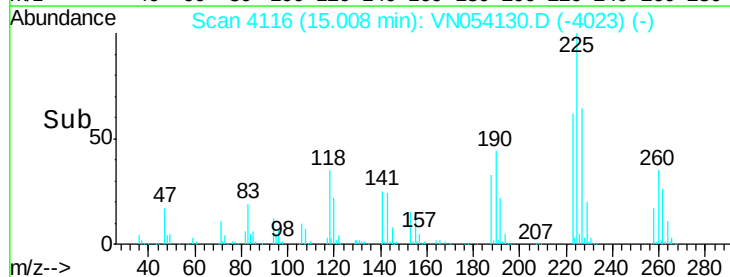
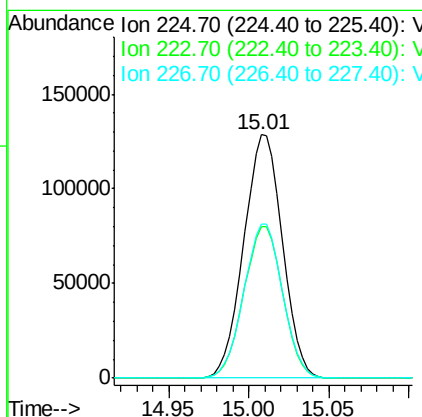
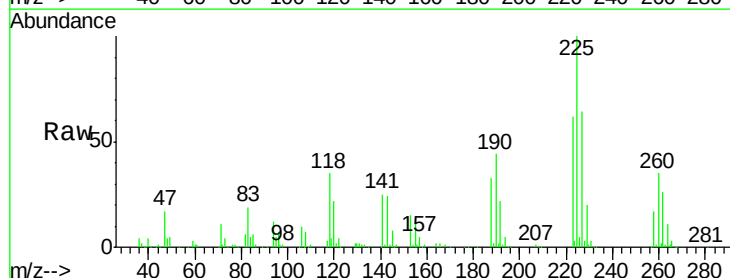
Manual Integrations
 APPROVED

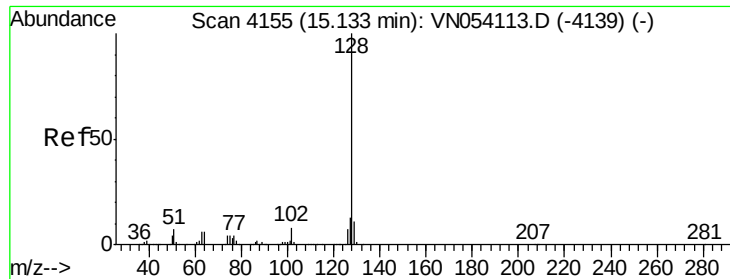
MMDadoda
 3/7/2019 11:39:37 AM



#94
 Hexachlorobutadiene
 Concen: 48.082 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054130.D
 Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	213150		
223	62.5	31.2	93.6	
227	63.2	31.9	95.7	





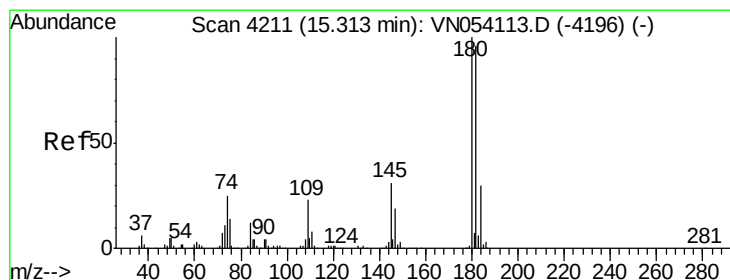
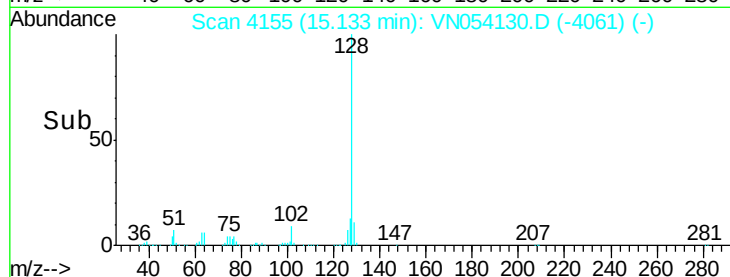
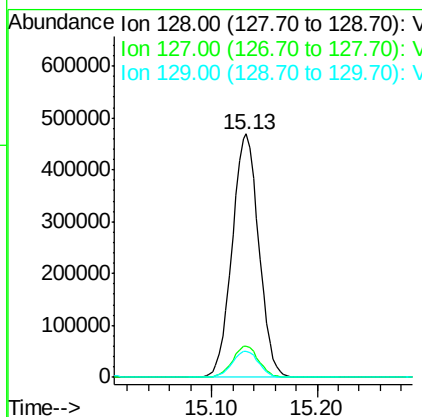
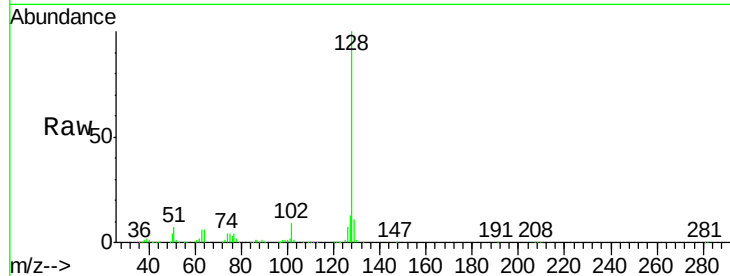
#95
Naphthalene
Concen: 50.449 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:37 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.034 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054130.D
Acq: 6 Mar 2019 21:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.9	143.7
145	29.9	14.9	44.5

