

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054096.D
 Acq On : 5 Mar 2019 13:54
 Operator : JC/SP
 Sample : VN0305WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 9:15:34 AM

Quant Time: Mar 06 02:56:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	594120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	989381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	857339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	374899	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	360169	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	7.59	113	323521	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.09	98	1183100	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.40	95	383861	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	107532	19.666	ug/l	100
3) Chloromethane	2.06	50	150085	19.789	ug/l	100
4) Vinyl Chloride	2.19	62	154060	20.273	ug/l	100
5) Bromomethane	2.57	94	98164	19.505	ug/l	99
6) Chloroethane	2.71	64	92848	19.646	ug/l	99
7) Trichlorofluoromethane	3.02	101	195130	20.100	ug/l	99
8) Diethyl Ether	3.41	74	75753	20.827	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	121741	19.855	ug/l	93
10) Methyl Iodide	3.95	142	159922	19.850	ug/l	99
11) Tert butyl alcohol	4.77	59	49121	111.259	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	115637	19.717	ug/l	96
13) Acrolein	3.61	56	33688	73.699	ug/l	100
14) Allyl chloride	4.33	41	211984	20.608	ug/l	96
15) Acrylonitrile	4.99	53	260668	112.022	ug/l	99
16) Acetone	3.82	43	183304	91.732	ug/l	97
17) Carbon Disulfide	4.06	76	337994	17.864	ug/l	100
18) Methyl Acetate	4.32	43	115420	23.701	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	330334	20.996	ug/l	97
20) Methylene Chloride	4.55	84	139337	20.215	ug/l	91
21) trans-1,2-Dichloroethene	5.05	96	125856	19.827	ug/l	94
22) Diisopropyl ether	5.95	45	416569	20.991	ug/l	94
23) Vinyl Acetate	5.90	43	1467306	102.782	ug/l	96
24) 1,1-Dichloroethane	5.85	63	249717	20.520	ug/l	99
25) 2-Butanone	6.83	43	288396	105.463	ug/l	97
26) 2,2-Dichloropropane	6.83	77	166243	19.228	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	144912	20.527	ug/l	95
28) Bromochloromethane	7.19	49	120798	21.686	ug/l	85
29) Tetrahydrofuran	7.21	42	204094	112.075	ug/l	91
30) Chloroform	7.37	83	243381	20.625	ug/l	96
31) Cyclohexane	7.65	56	228976	20.317	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	196277	20.173	ug/l	96
36) 1,1-Dichloropropene	7.79	75	175922	19.120	ug/l	99
37) Ethyl Acetate	6.93	43	130339	19.839	ug/l	96
38) Carbon Tetrachloride	7.77	117	176663	18.462	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054096.D
 Acq On : 5 Mar 2019 13:54
 Operator : JC/SP
 Sample : VN0305WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0305WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 9:15:34 AM

Quant Time: Mar 06 02:56:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	198799	17.926	ug/l	96
40) Benzene	8.04	78	558473	19.758	ug/l	100
41) Methacrylonitrile	7.17	41	60720	14.353	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	174564	19.948	ug/l	97
43) Isopropyl Acetate	8.16	43	217954	19.649	ug/l #	90
44) Trichloroethene	8.83	130	148328	19.794	ug/l	97
45) 1,2-Dichloropropane	9.12	63	153562	20.137	ug/l	99
46) Dibromomethane	9.21	93	89078	20.120	ug/l	92
47) Bromodichloromethane	9.40	83	184621	19.788	ug/l	98
48) Methyl methacrylate	9.20	41	101056	19.806	ug/l	95
49) 1,4-Dioxane	9.20	88	29731	430.220	ug/l #	95
51) 4-Methyl-2-Pentanone	9.98	43	602395	105.681	ug/l	96
52) Toluene	10.16	92	330590	19.863	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	173378	19.098	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	209183	19.546	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	128805	20.722	ug/l	99
56) Ethyl methacrylate	10.43	69	147311	19.323	ug/l	92
57) 1,3-Dichloropropane	10.71	76	216256	20.591	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	328125	95.383	ug/l	96
59) 2-Hexanone	10.75	43	378772	102.171	ug/l	94
60) Dibromochloromethane	10.90	129	131786	19.077	ug/l	97
61) 1,2-Dibromoethane	11.00	107	117624	19.617	ug/l	99
64) Tetrachloroethene	10.63	164	146866	20.230	ug/l	98
65) Chlorobenzene	11.43	112	353454	19.534	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	127707	19.584	ug/l	97
67) Ethyl Benzene	11.51	91	595419	19.629	ug/l	99
68) m/p-Xylenes	11.62	106	455509	39.788	ug/l	96
69) o-Xylene	11.95	106	221251	19.669	ug/l	99
70) Styrene	11.96	104	352269	20.360	ug/l	98
71) Bromoform	12.13	173	89993	19.837	ug/l #	99
73) Isopropylbenzene	12.25	105	583609	19.998	ug/l	98
74) N-amyl acetate	12.07	43	153940	20.126	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	148707	20.377	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	140773m	23.407	ug/l	
77) Bromobenzene	12.53	156	145264	19.605	ug/l	88
78) n-propylbenzene	12.59	91	665280	20.045	ug/l	98
79) 2-Chlorotoluene	12.67	91	401486	20.137	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	486465	20.361	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35865	18.849	ug/l	89
82) 4-Chlorotoluene	12.77	91	395736	20.083	ug/l	97
83) tert-Butylbenzene	12.99	119	422051	19.973	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	485433	20.352	ug/l	100
85) sec-Butylbenzene	13.17	105	581167	20.137	ug/l	98
86) p-Isopropyltoluene	13.29	119	482401	19.772	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	249355	19.454	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	239920	19.293	ug/l	97
89) n-Butylbenzene	13.62	91	387016	18.822	ug/l	98
90) Hexachloroethane	13.88	117	88464	18.711	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	247823	19.974	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21367	20.719	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
Data File : VN054096.D
Acq On : 5 Mar 2019 13:54
Operator : JC/SP
Sample : VN0305WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBS01

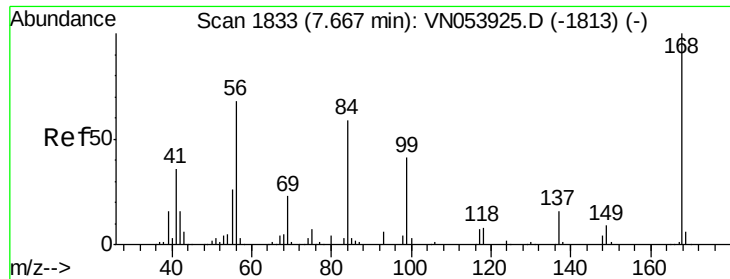
Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:15:34 AM

Quant Time: Mar 06 02:56:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 28 04:05:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	106070	16.931	ug/l	97
94) Hexachlorobutadiene	15.01	225	82478	18.402	ug/l	97
95) Naphthalene	15.13	128	206747	16.245	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	109094	17.549	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

ClientSampled :

VN0305WBS01

Tot Ion:168 Resp: 594120

Ion Ratio Lower Upper

168 100

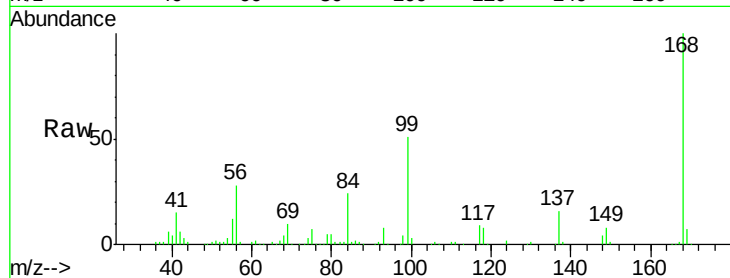
99 49.8 36.9 55.3

Manual Integrations

APPROVED

MMDadoda

3/6/2019 9:15:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

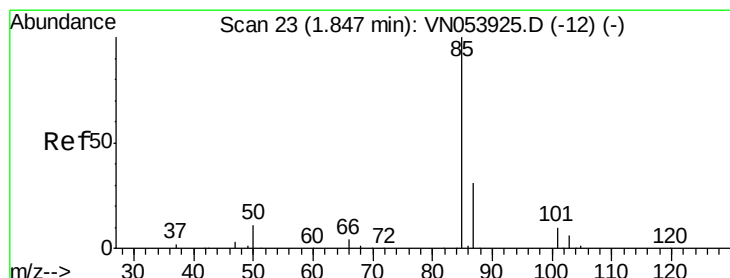
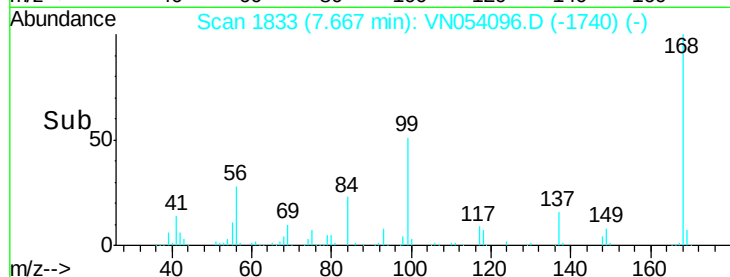
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.666 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054096.D

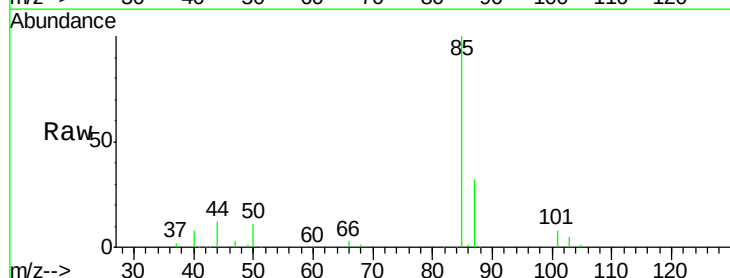
Acq: 5 Mar 2019 13:54

Tgt Ion: 85 Resp: 107532

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

60000

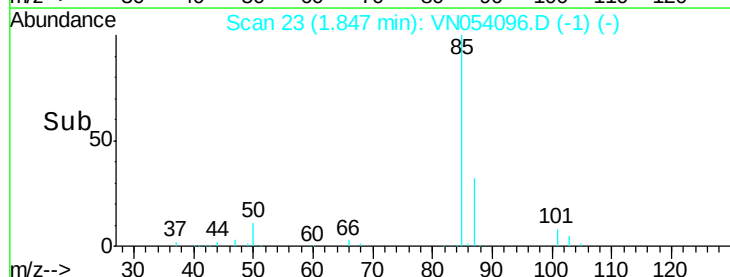
40000

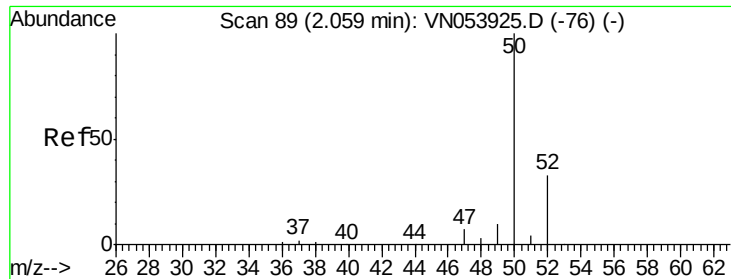
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





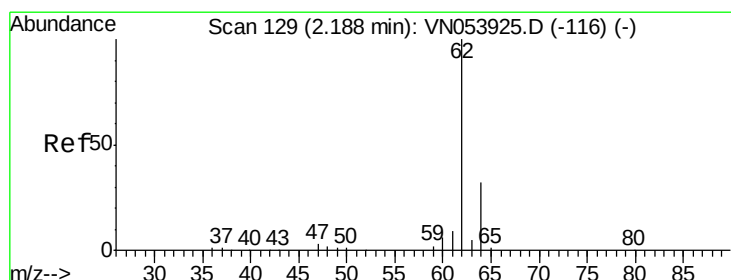
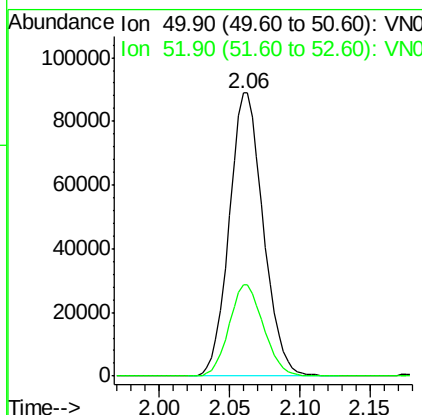
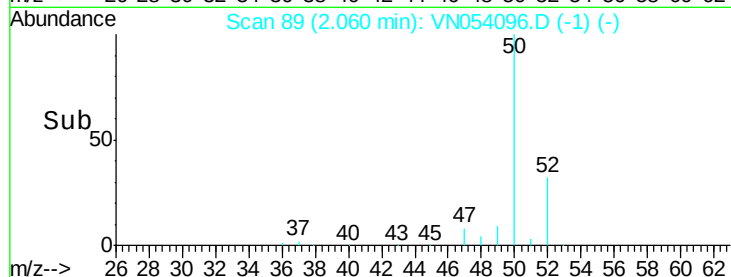
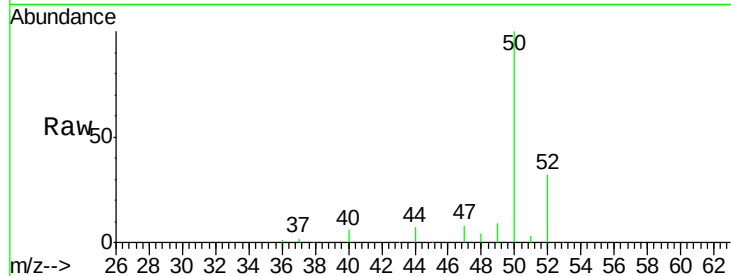
#3
Chloromethane
Concen: 19.789 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0305WBS01

Tot Ion: 50 Resp: 150085
Ion Ratio Lower Upper
50 100
52 32.4 26.0 39.0

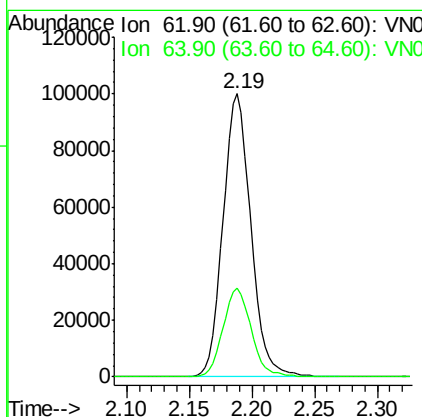
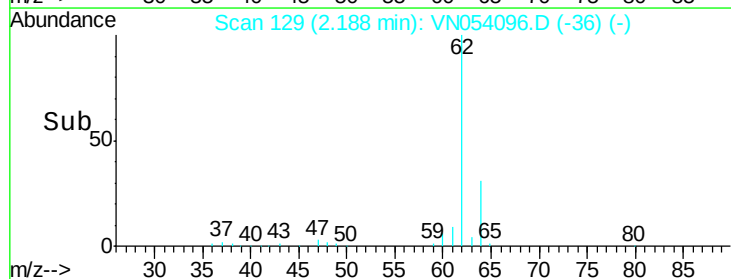
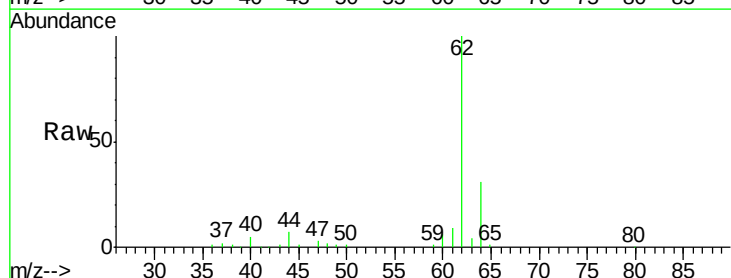
Manual Integrations
APPROVED

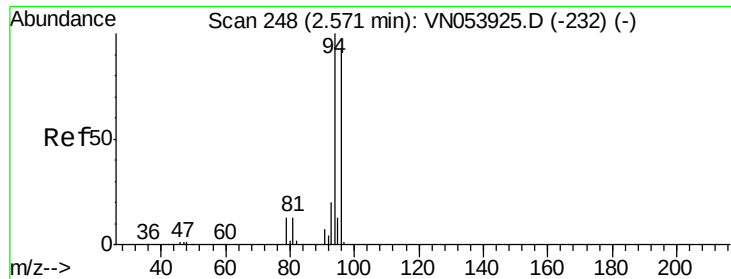
MMDadoda
3/6/2019 9:15:34 AM



#4
Vinyl Chloride
Concen: 20.273 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion: 62 Resp: 154060
Ion Ratio Lower Upper
62 100
64 31.2 25.1 37.7





#5

Bromomethane

Concen: 19.505 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBS01

Tot Ion: 94 Resp: 98164

Ion Ratio Lower Upper

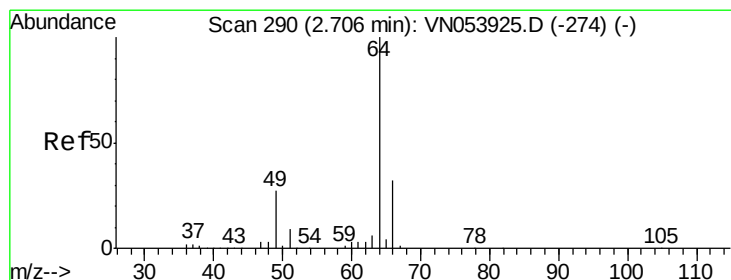
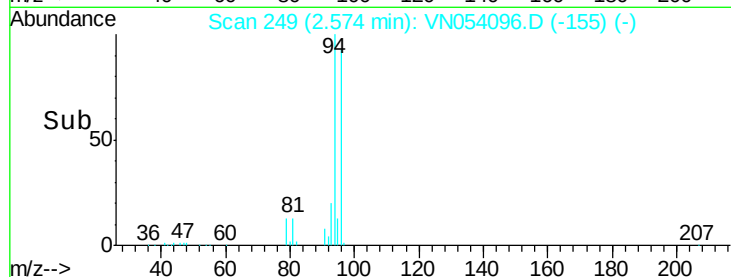
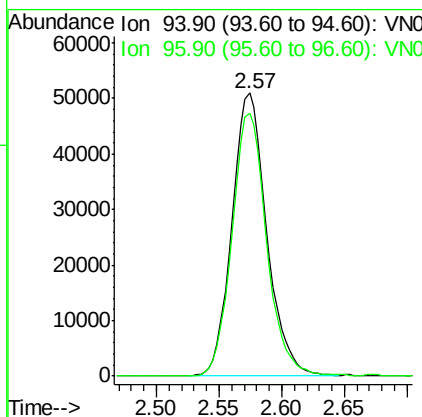
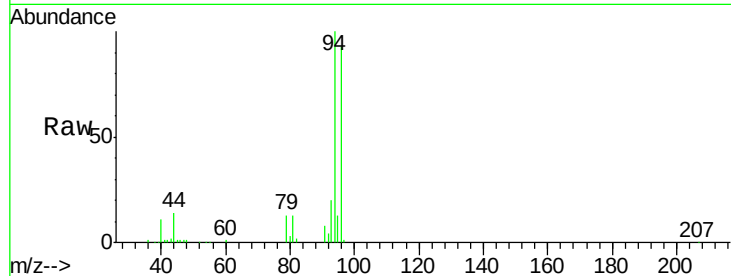
94 100

96 93.1 74.9 112.3

Manual Integrations
APPROVED

MMDadoda

3/6/2019 9:15:34 AM



#6

Chloroethane

Concen: 19.646 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054096.D

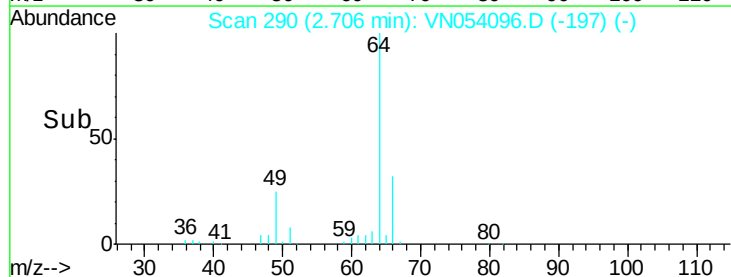
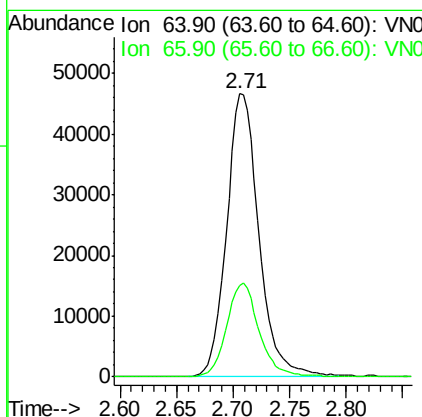
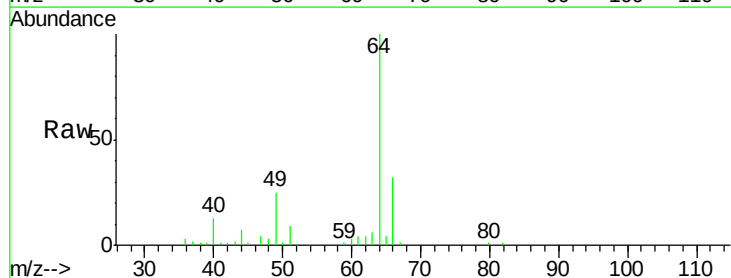
Acq: 5 Mar 2019 13:54

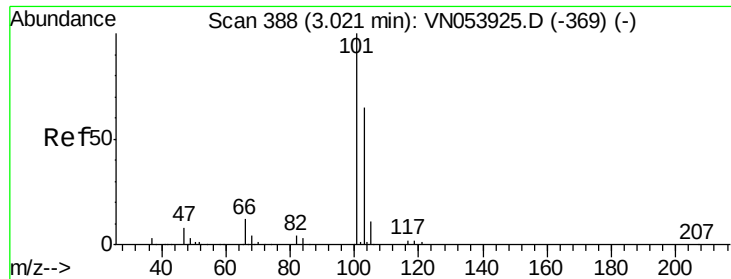
Tgt Ion: 64 Resp: 92848

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3





#7

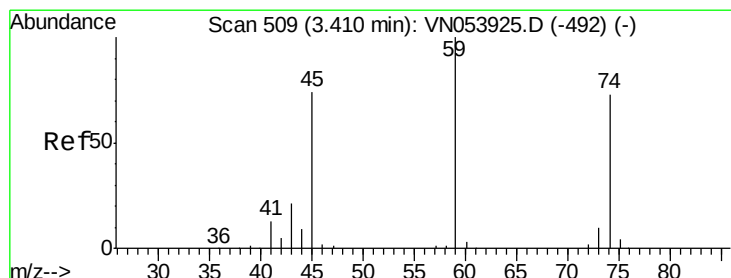
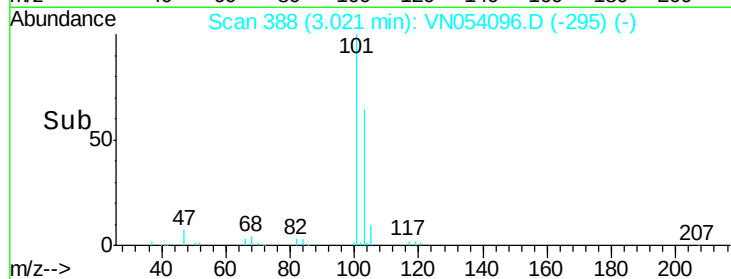
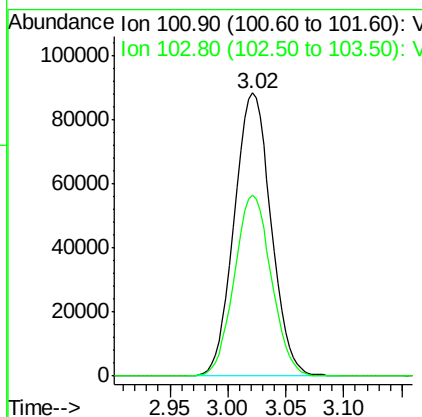
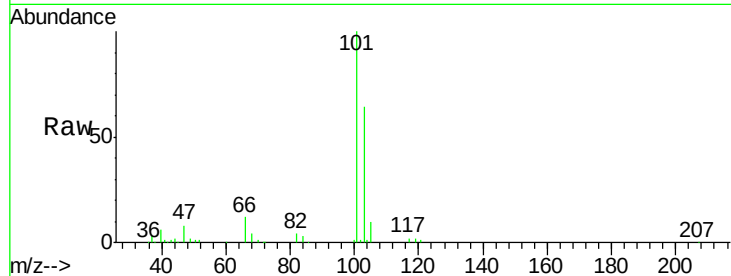
Trichlorofluoromethane
Concen: 20.100 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0305WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	195130		
103	64.1	51.9	77.9	

Manual Integrations
APPROVED

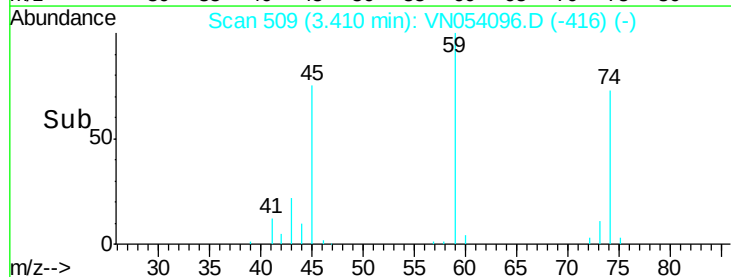
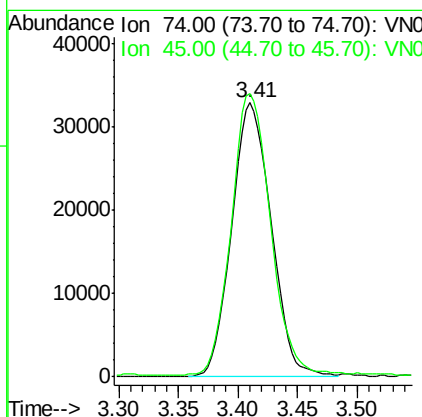
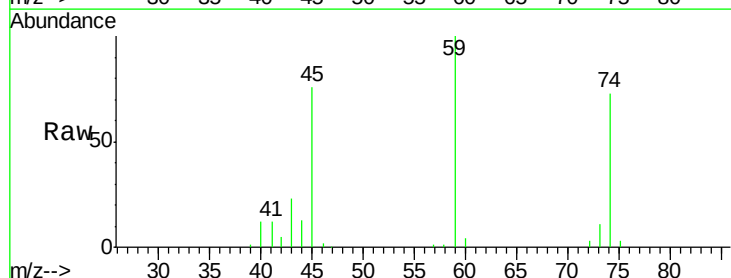
MMDadoda
3/6/2019 9:15:34 AM

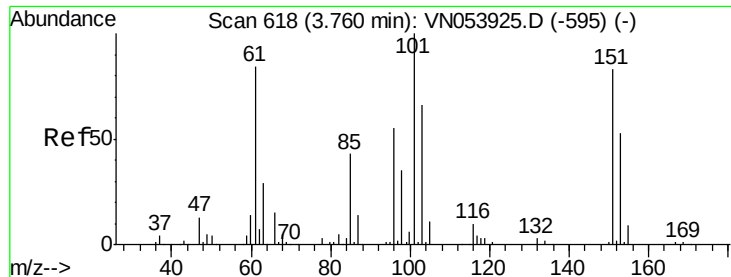


#8

Diethyl Ether
Concen: 20.827 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	75753		
45	102.0	46.9	140.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.855 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

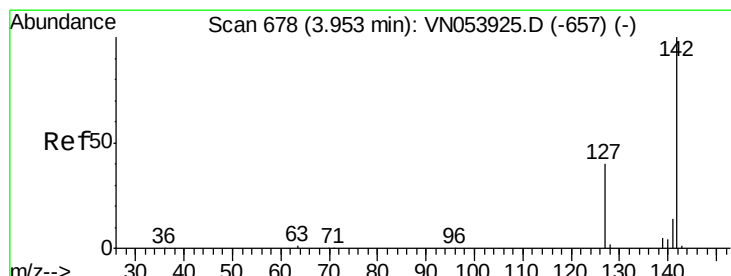
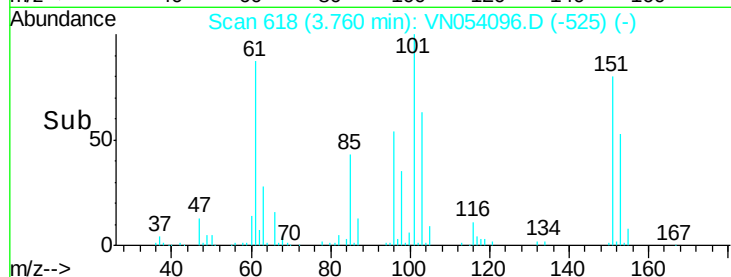
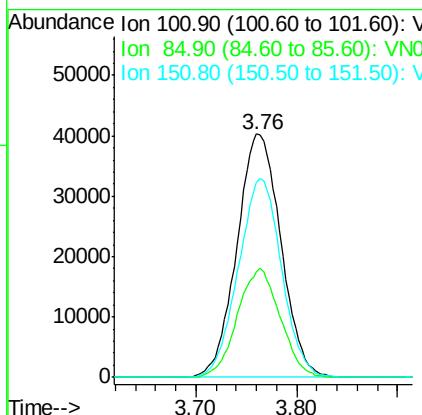
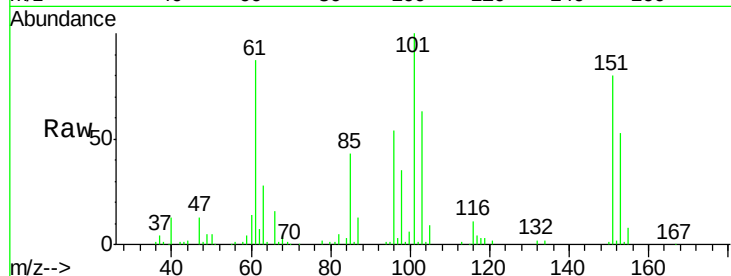
ClientSampleId :

VN0305WBS01

Tot Ion:	101	Resp:	121741
Ion Ratio	Lower	Upper	
101	100		
85	43.5	32.5	48.7
151	80.5	70.2	105.2

Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:15:34 AM



#10

Methyl Iodide

Concen: 19.850 ug/l

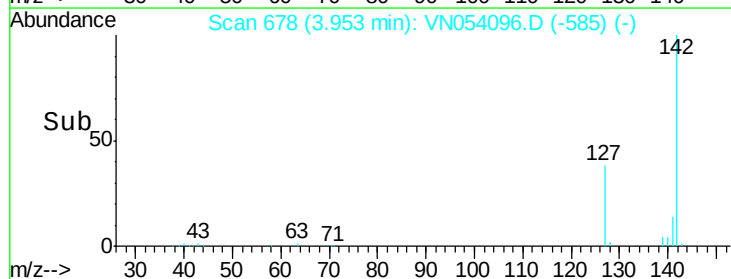
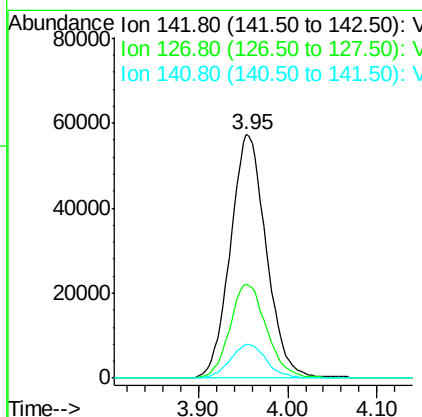
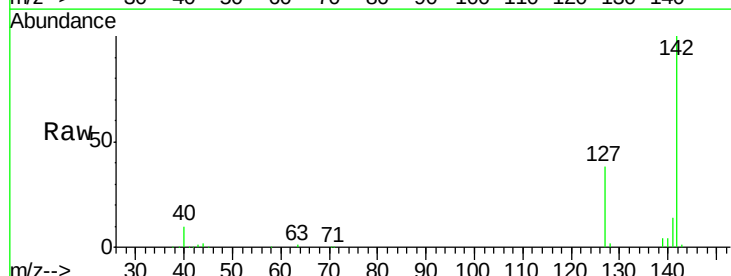
RT: 3.95 min Scan# 678

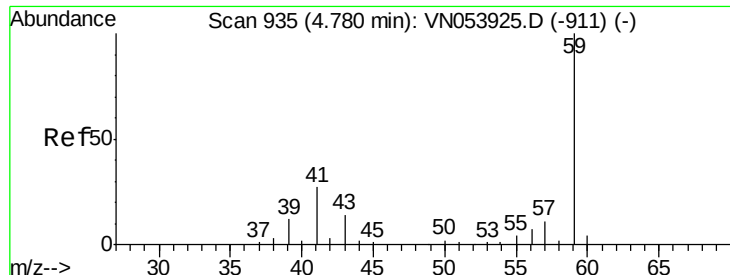
Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Tgt Ion:	142	Resp:	159922
Ion Ratio	Lower	Upper	
142	100		
127	39.6	31.0	46.4
141	13.9	11.3	16.9





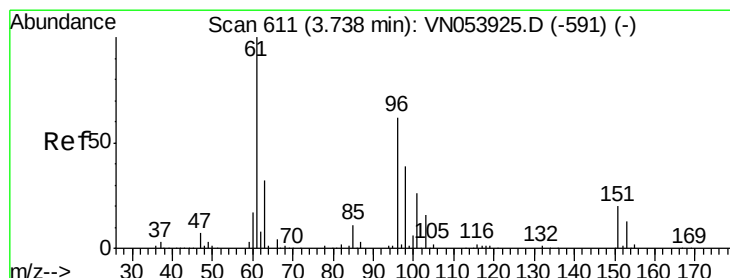
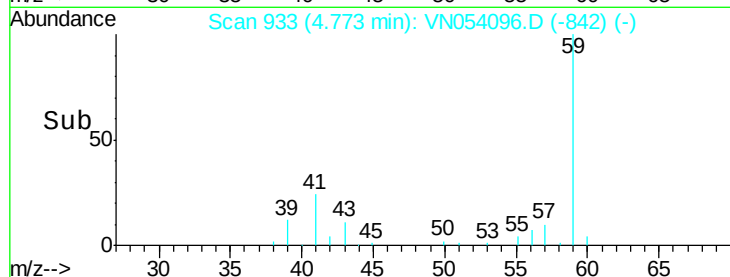
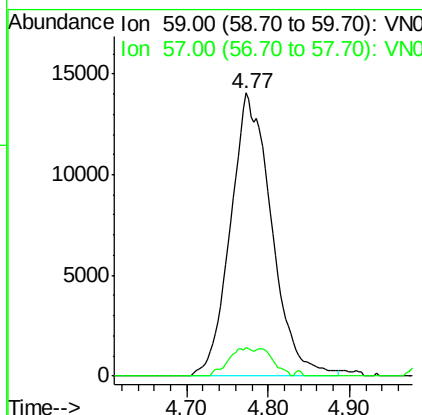
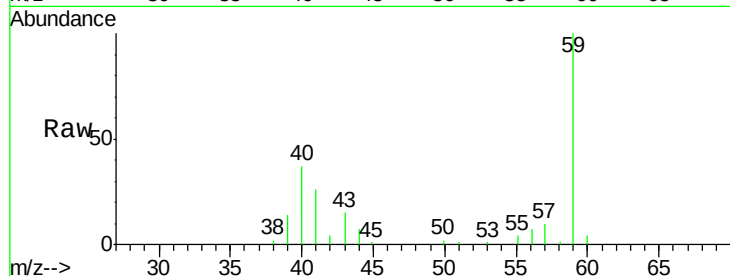
#11
Tert butyl alcohol
Concen: 111.259 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	49121		
57	6.2		8.1	12.1#

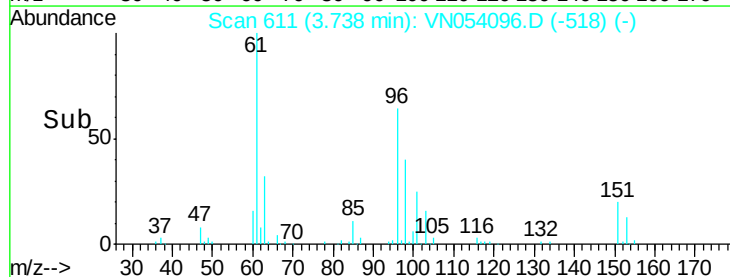
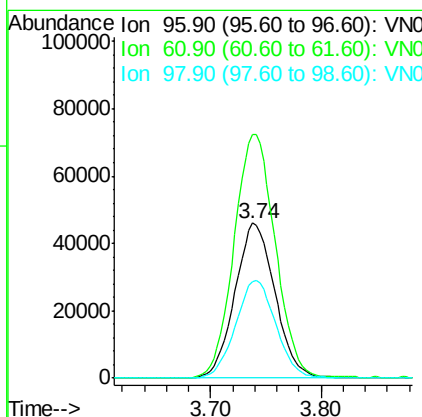
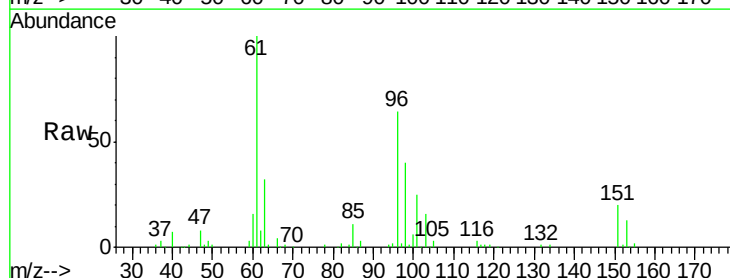
Manual Integrations
APPROVED

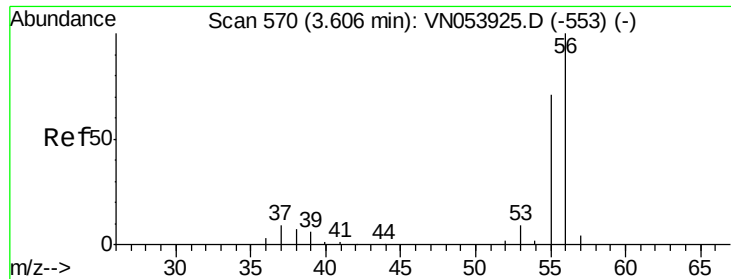
MMDadoda
3/6/2019 9:15:34 AM



#12
1,1-Dichloroethene
Concen: 19.717 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	115637		
61	157.1		121.0	181.4
98	62.5		52.2	78.2





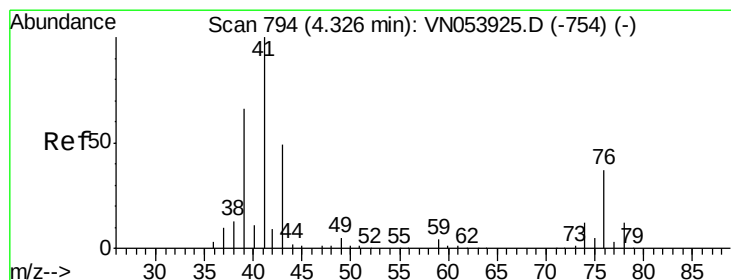
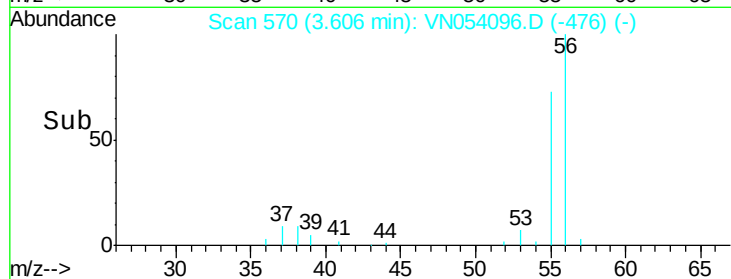
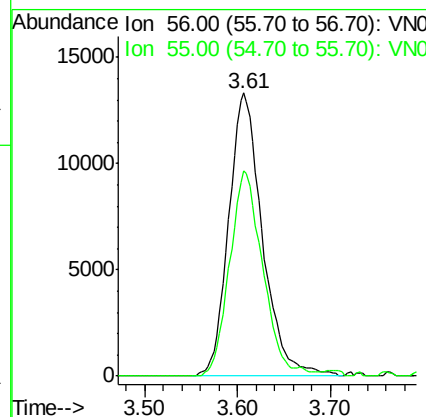
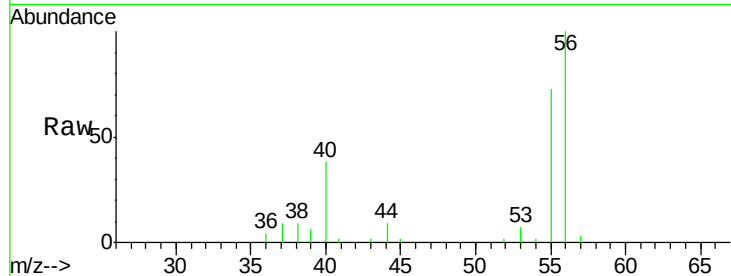
#13
Acrolein
Concen: 73.699 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0305WBS01

Tot Ion	56	55	Ratio	100	70.1	Resp	33688	Lower	56.3	Upper	84.5
Ion											

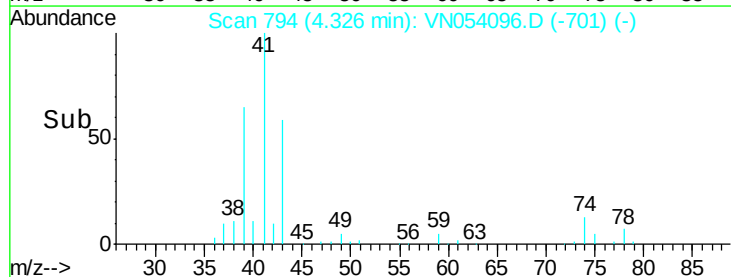
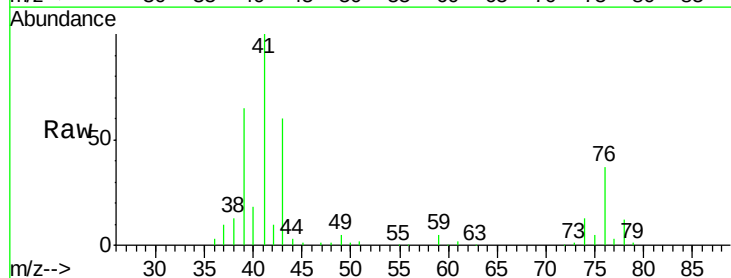
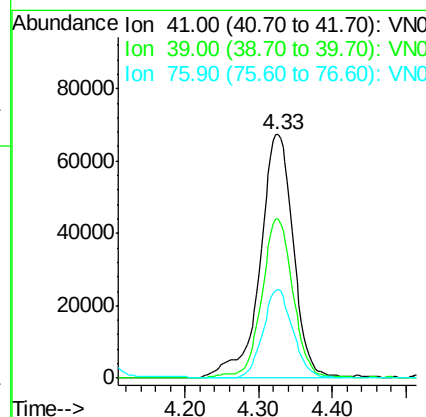
Manual Integrations
APPROVED

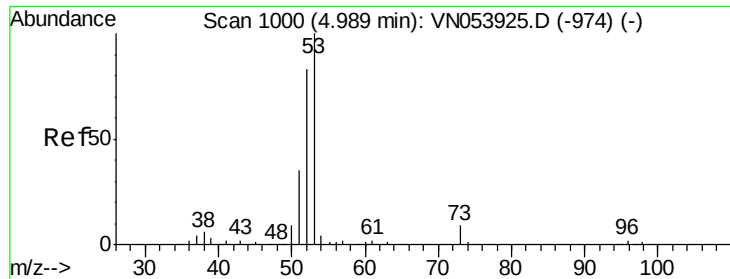
MMDadoda
3/6/2019 9:15:34 AM



#14
Allyl chloride
Concen: 20.608 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	41	39	76	Ratio	100	61.6	32.8	Resp	211984	Lower	48.8	30.9	Upper	73.2	46.3
Ion															





#15

Acrylonitrile

Concen: 112.022 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

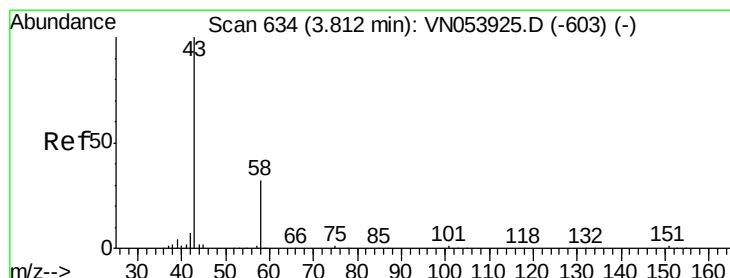
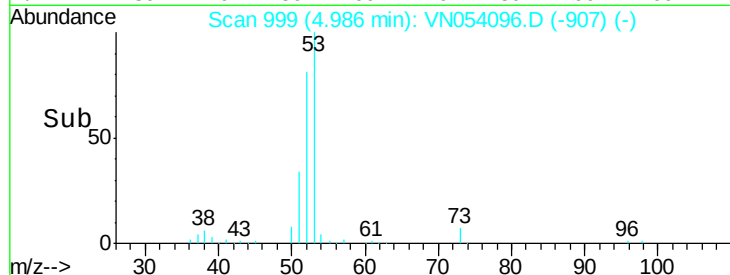
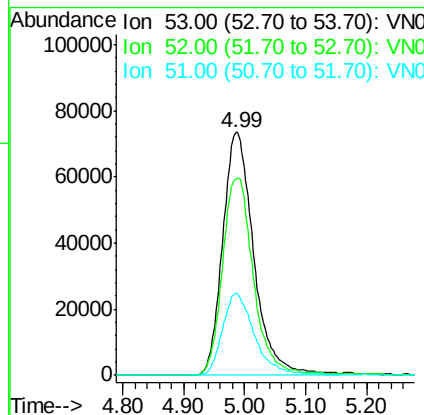
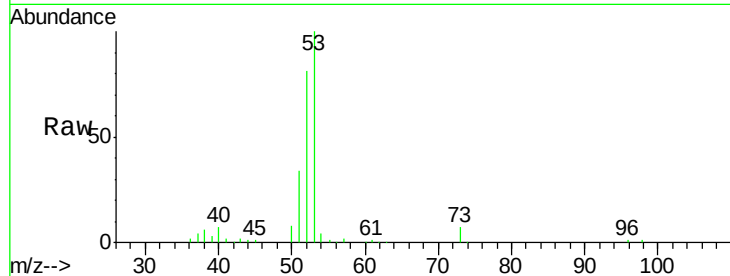
ClientSampleId :

VN0305WBS01

Tot Ion:	53	Resp:	260668
Ion	Ratio	Lower	Upper
53	100		
52	80.0	65.1	97.7
51	34.7	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:15:34 AM



#16

Acetone

Concen: 91.732 ug/l

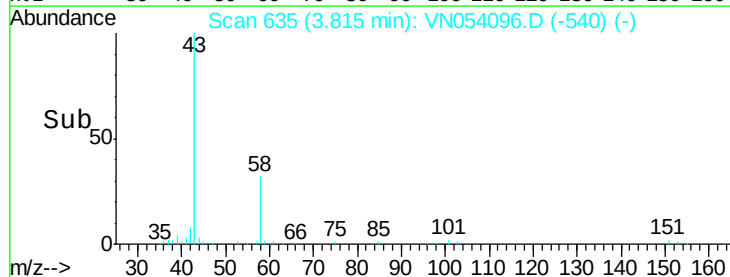
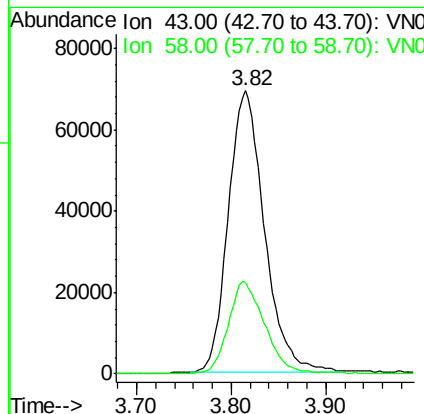
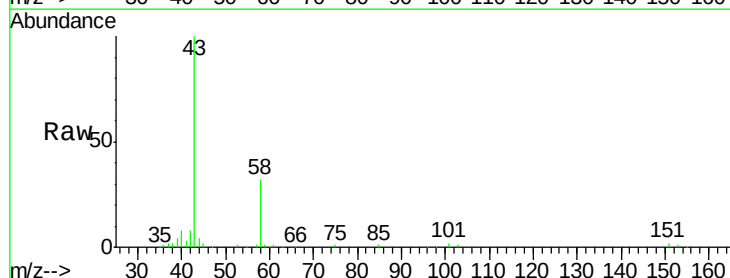
RT: 3.82 min Scan# 635

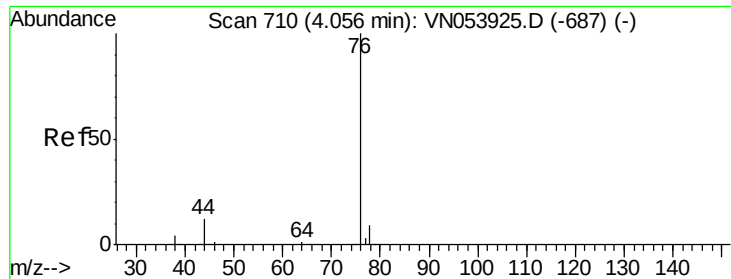
Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Tgt Ion:	43	Resp:	183304
Ion	Ratio	Lower	Upper
43	100		
58	32.5	27.6	41.4





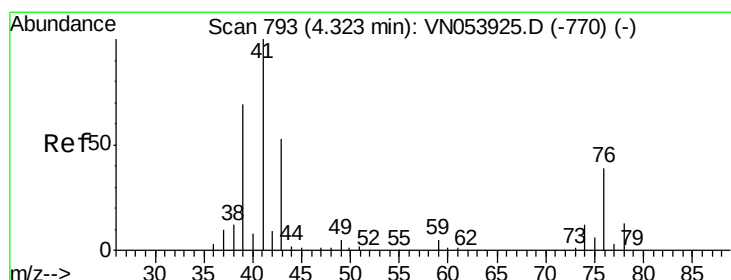
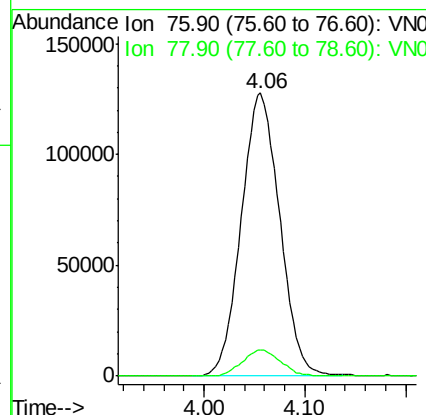
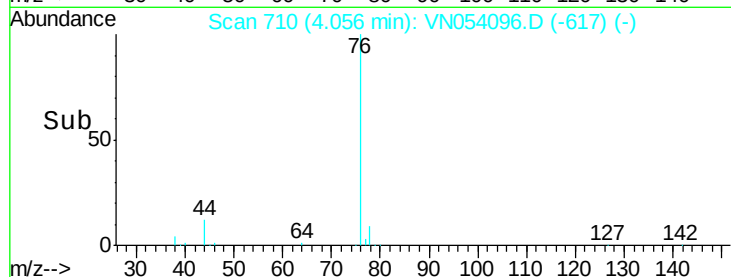
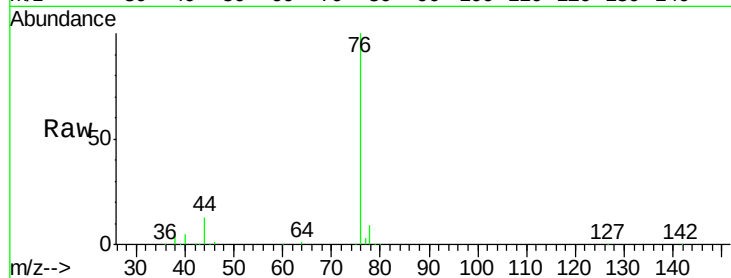
#17
Carbon Disulfide
Concen: 17.864 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0305WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

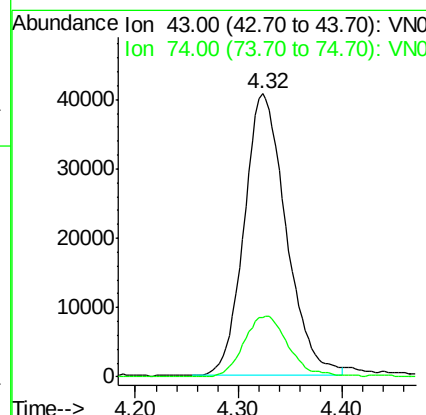
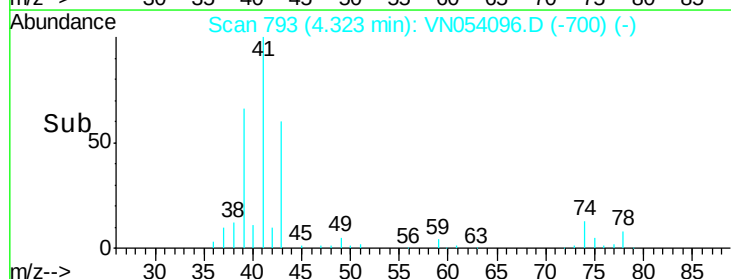
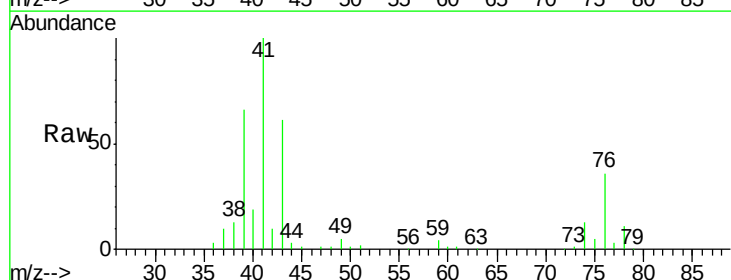
Manual Integrations
APPROVED

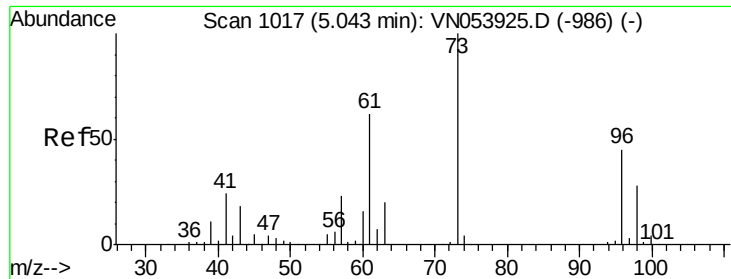
MMDadoda
3/6/2019 9:15:34 AM



#18
Methyl Acetate
Concen: 23.701 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	20.5	30.7





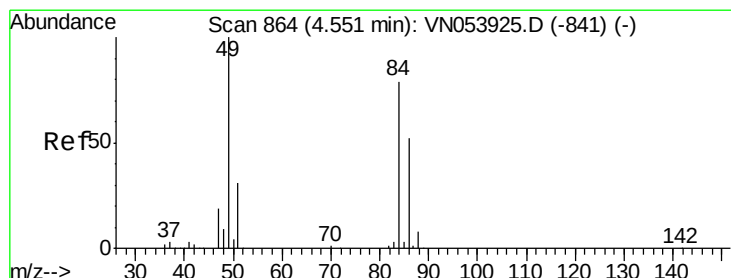
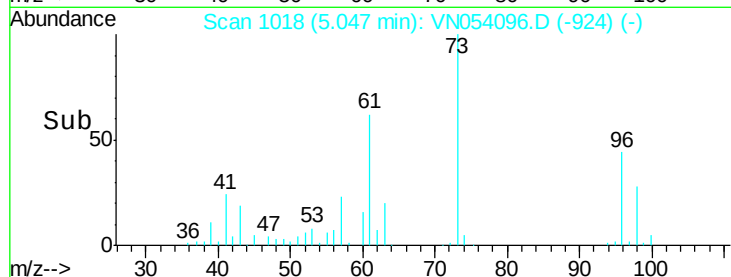
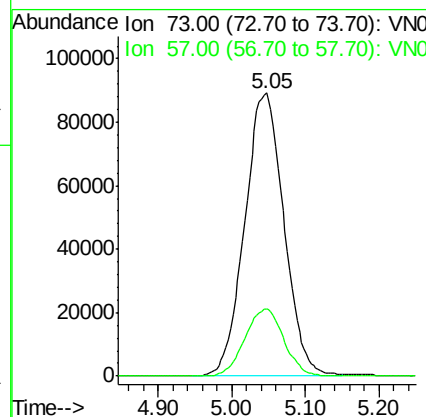
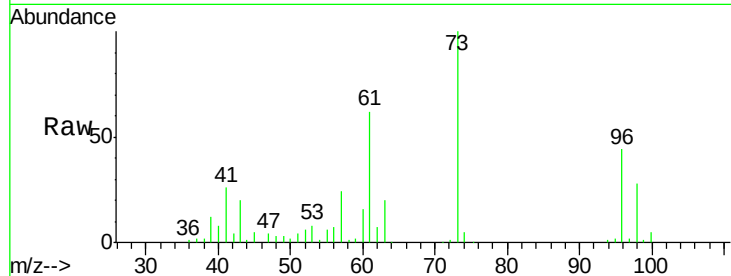
#19
Methyl tert-butyl Ether
Concen: 20.996 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0305WBS01

Tot Ion: 73 Resp: 330334
Ion Ratio Lower Upper
73 100
57 23.8 18.0 27.0

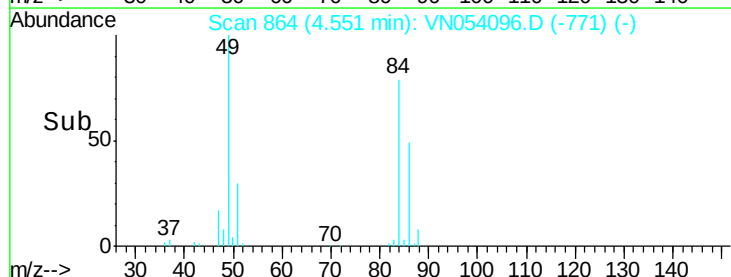
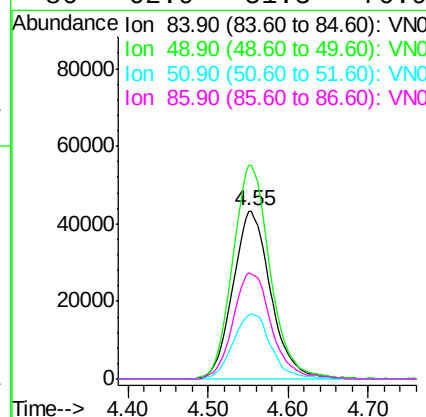
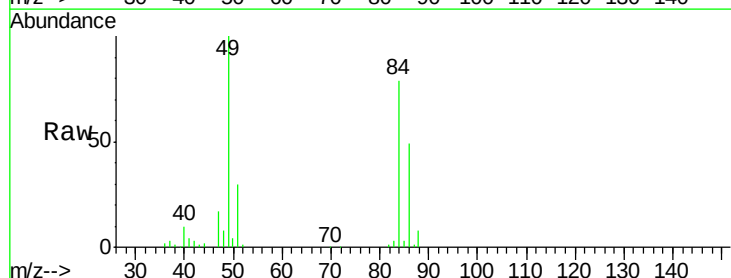
Manual Integrations
APPROVED

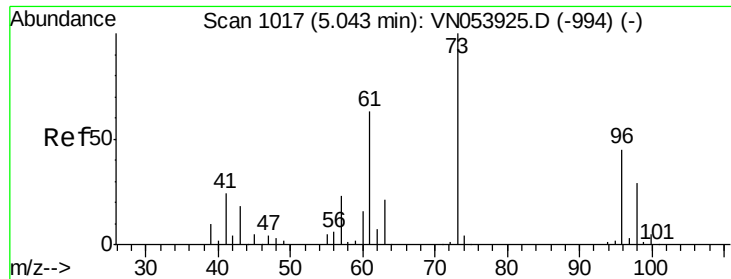
MMDadoda
3/6/2019 9:15:34 AM



#20
Methylene Chloride
Concen: 20.215 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion: 84 Resp: 139337
Ion Ratio Lower Upper
84 100
49 127.1 89.7 134.5
51 38.2 27.8 41.8
86 62.9 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.827 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

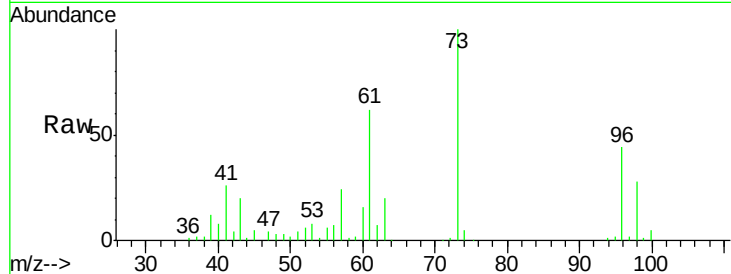
ClientSampled :

VN0305WBS01

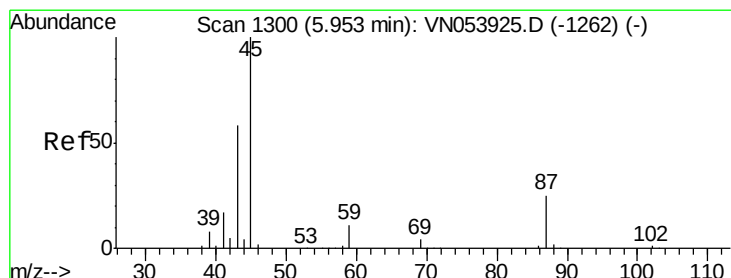
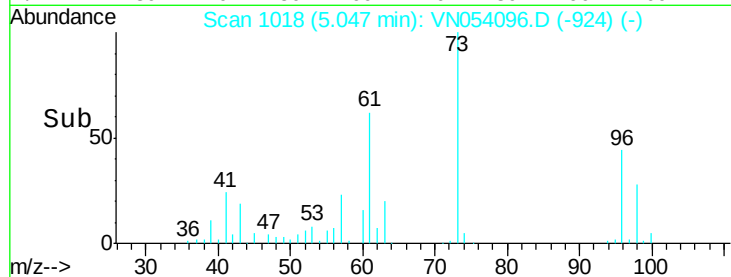
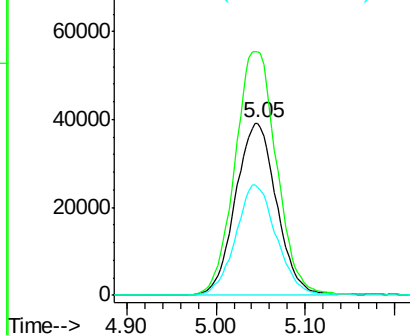
Tot Ion:	96	Resp:	125856
Ion	Ratio	Lower	Upper
96	100		
61	141.4	104.5	156.7
98	63.0	50.6	76.0

Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:15:34 AM



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



#22

Diisopropyl ether

Concen: 20.991 ug/l

RT: 5.95 min Scan# 1299

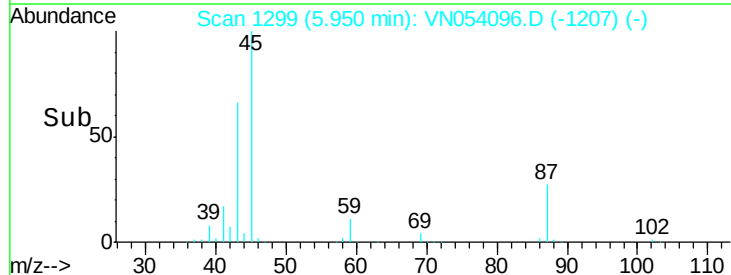
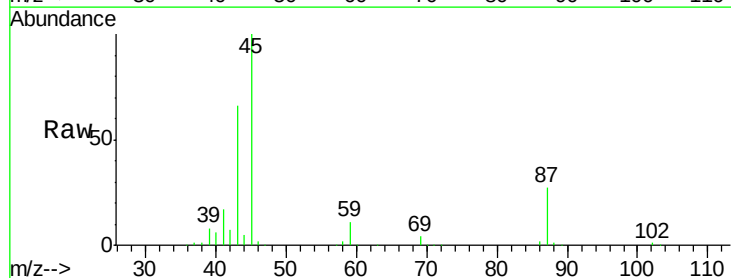
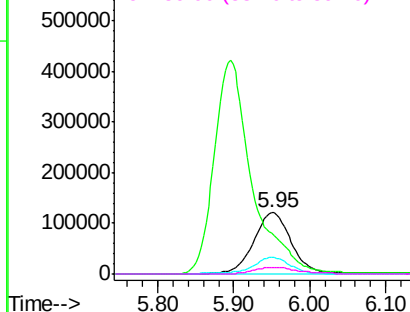
Delta R.T. -0.00 min

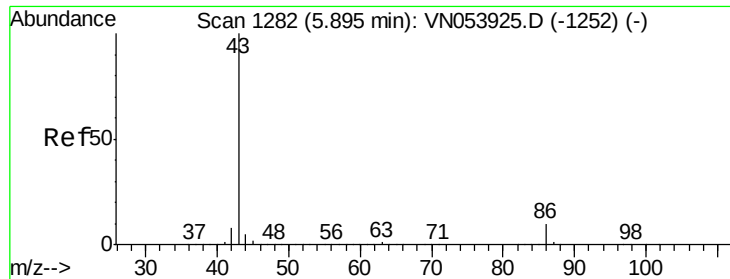
Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Tgt Ion:	45	Resp:	416569
Ion	Ratio	Lower	Upper
45	100		
43	62.7	46.2	69.4
87	26.0	23.4	35.0
59	10.8	9.4	14.0

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





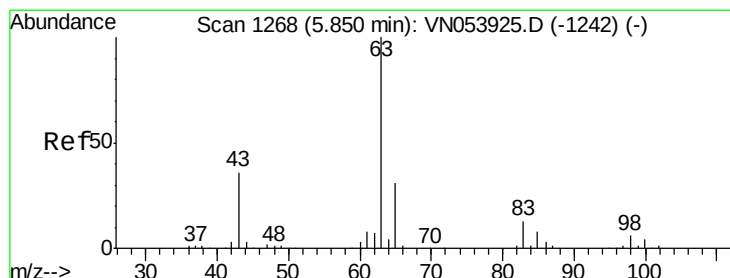
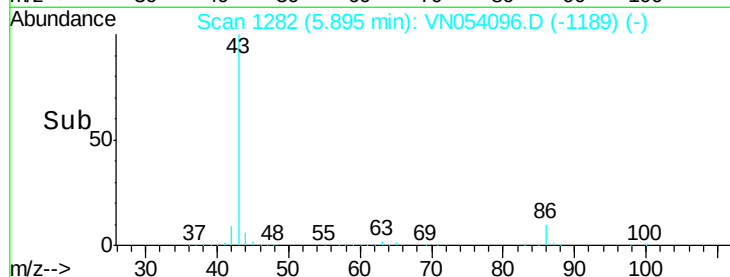
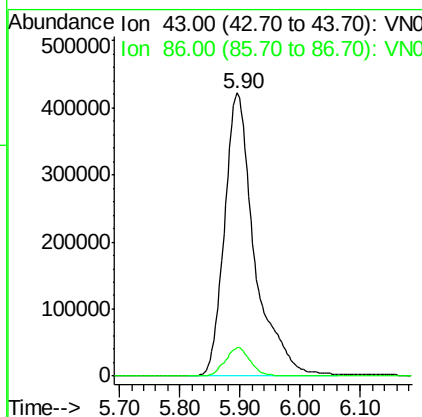
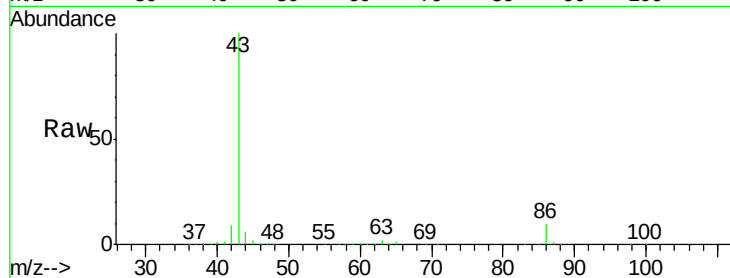
#23
 Vinyl Acetate
 Concen: 102.782 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBS01

Tot Ion: 43 Resp: 1467306
 Ion Ratio Lower Upper
 43 100
 86 10.0 9.1 13.7

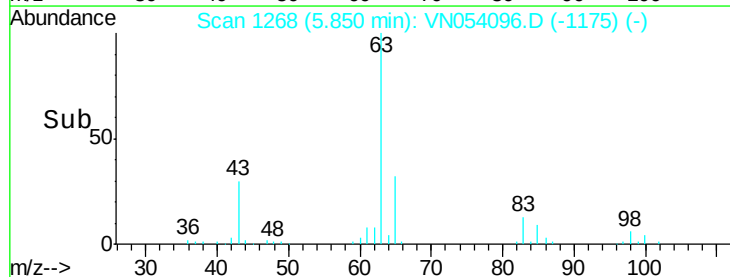
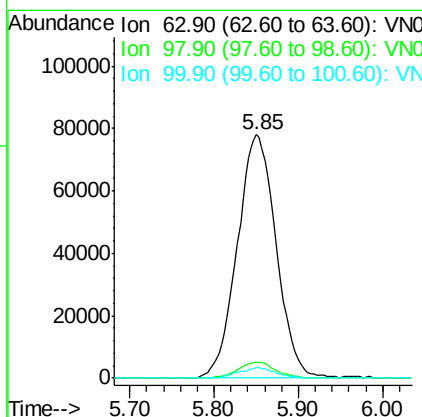
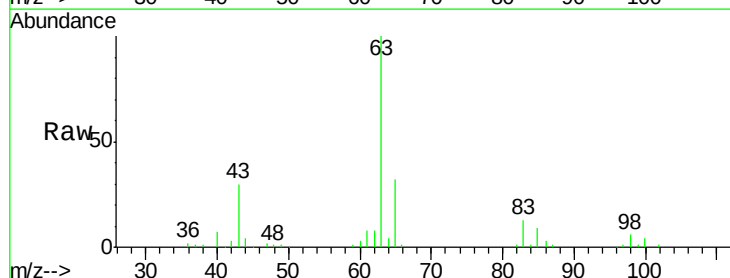
Manual Integrations
 APPROVED

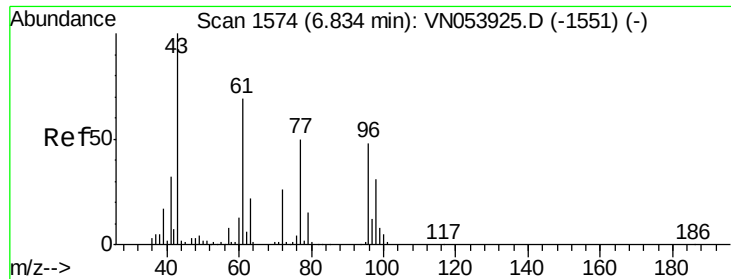
MMDadoda
 3/6/2019 9:15:34 AM



#24
 1,1-Dichloroethane
 Concen: 20.520 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Tgt Ion: 63 Resp: 249717
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.4 10.2
 100 4.4 2.2 6.6





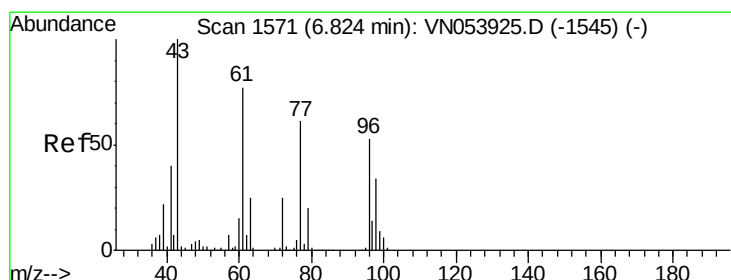
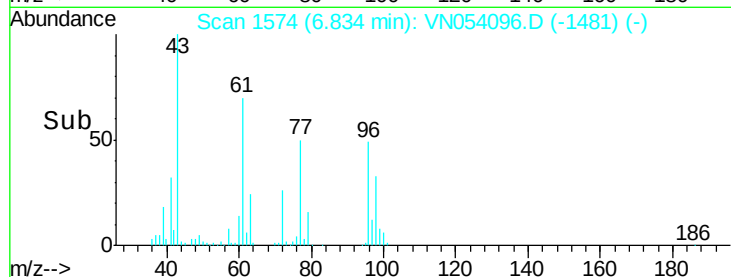
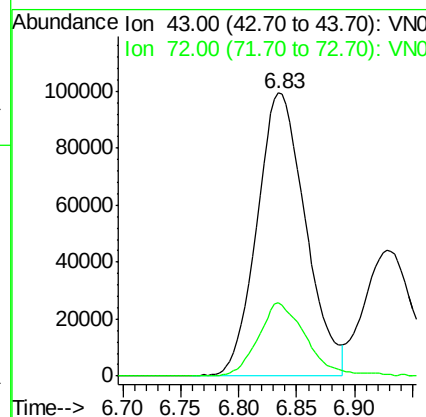
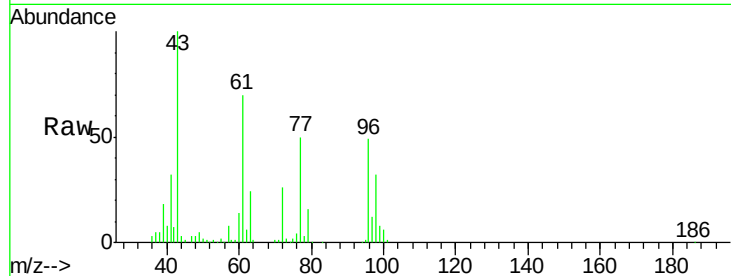
#25
2-Butanone
Concen: 105.463 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBS01

Tot Ion: 43 Resp: 288396
Ion Ratio Lower Upper
43 100
72 26.0 22.1 33.1

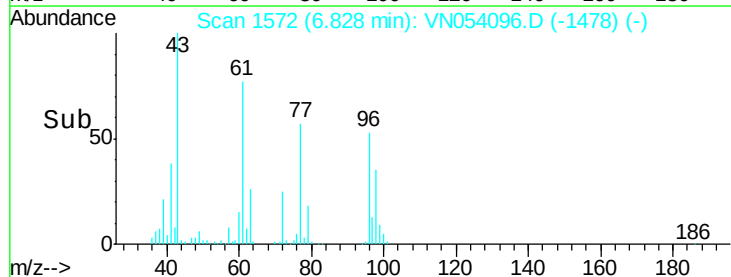
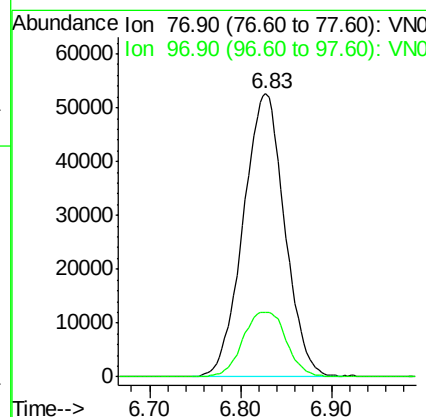
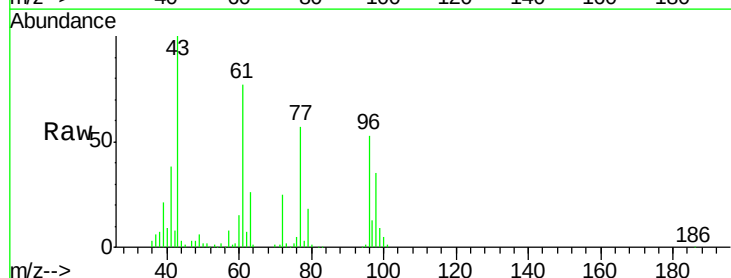
Manual Integrations
APPROVED

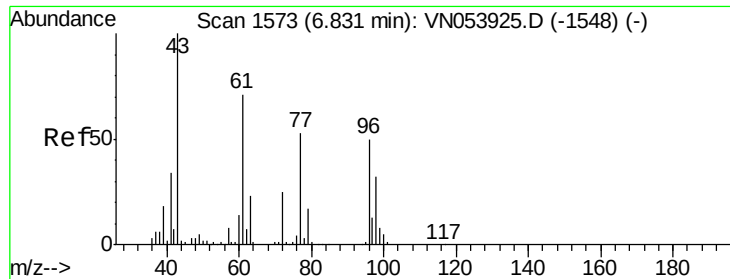
MMDadoda
3/6/2019 9:15:34 AM



#26
2,2-Dichloropropane
Concen: 19.228 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion: 77 Resp: 166243
Ion Ratio Lower Upper
77 100
97 24.0 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 20.527 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

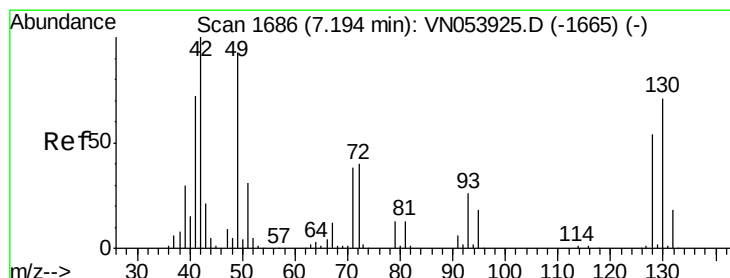
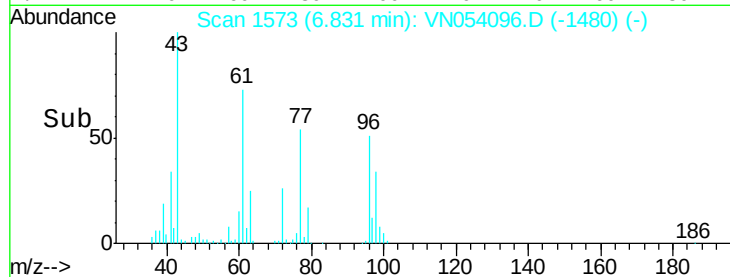
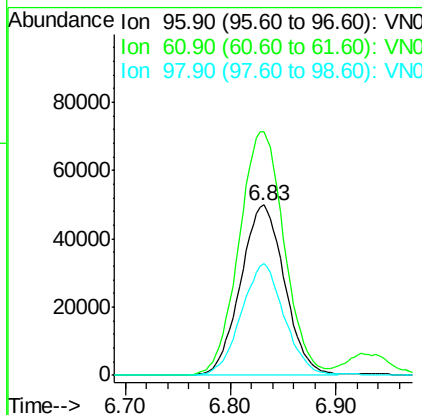
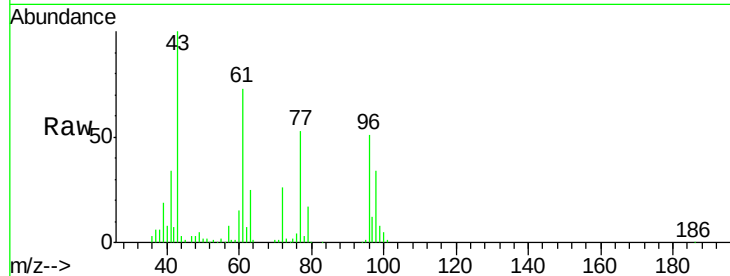
ClientSampleId :

VN0305WBS01

Tot Ion:	96	Resp:	144912
Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	275.6
98	64.1	0.0	130.0

Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:15:34 AM



#28

Bromochloromethane

Concen: 21.686 ug/l

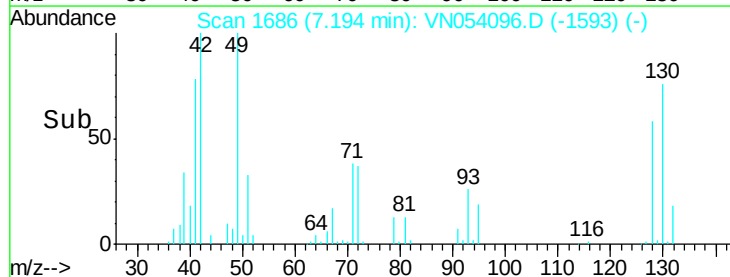
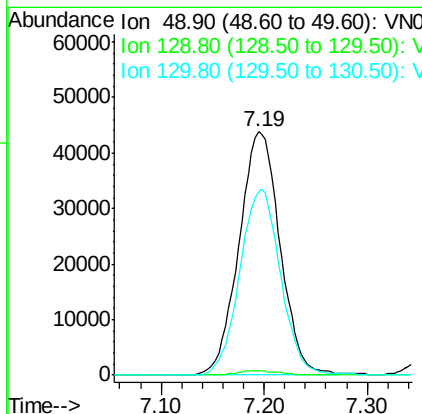
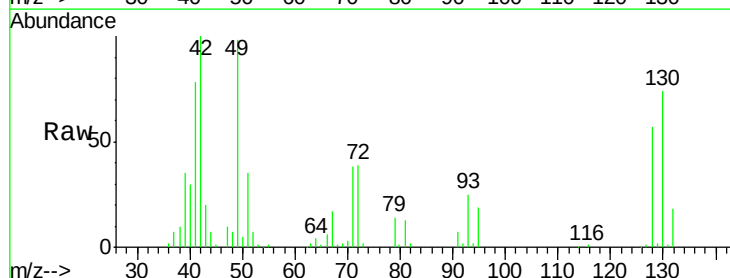
RT: 7.19 min Scan# 1686

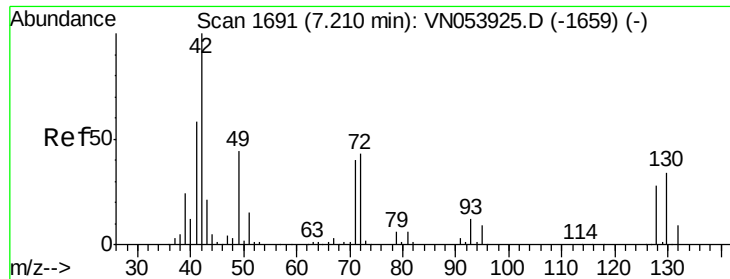
Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Tgt Ion:	49	Resp:	120798
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	76.1	72.9	109.3





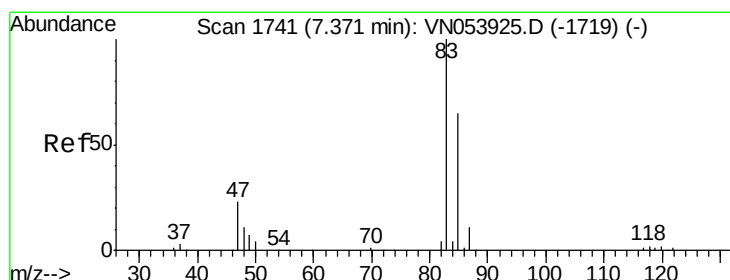
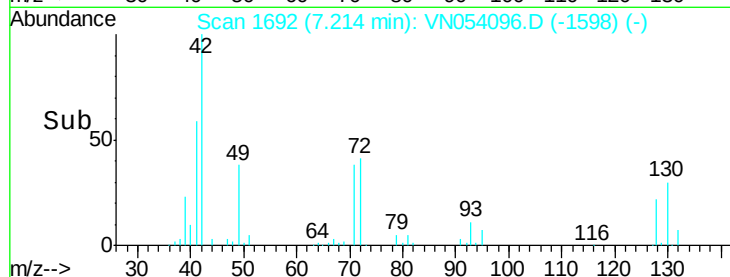
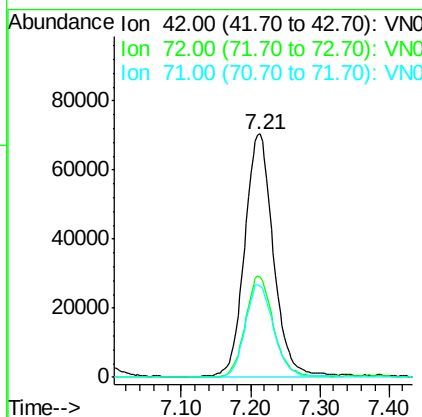
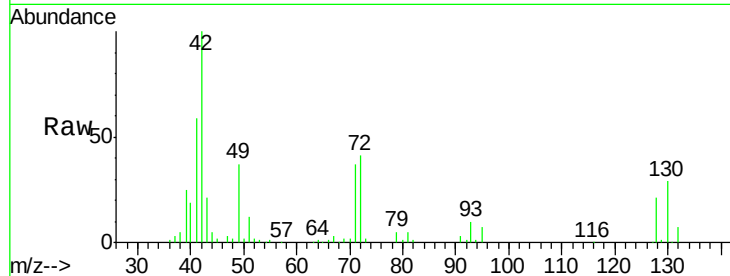
#29
Tetrahydrofuran
Concen: 112.075 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	36.9	55.3
71	37.3	34.6	52.0

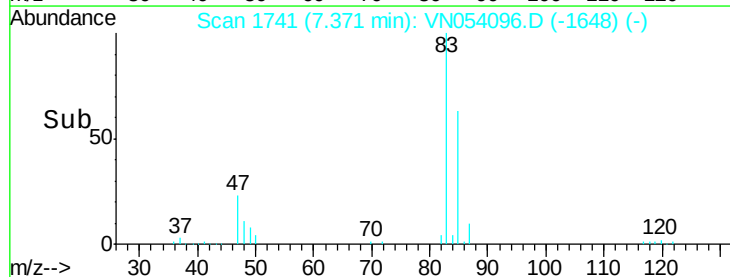
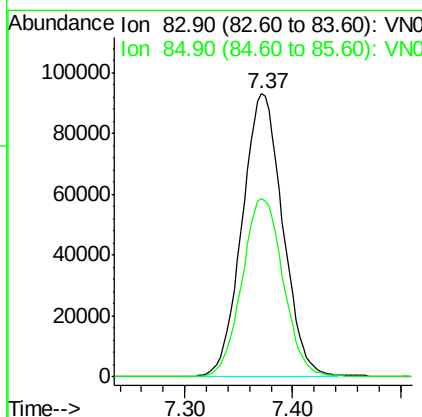
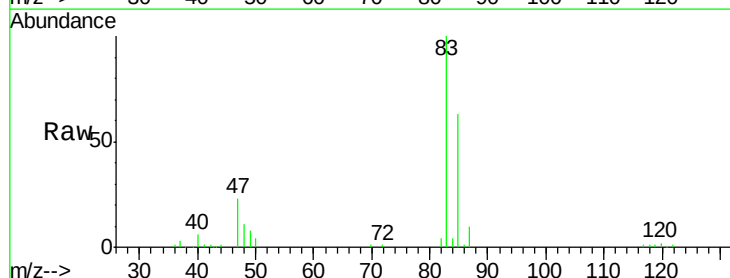
Manual Integrations
APPROVED

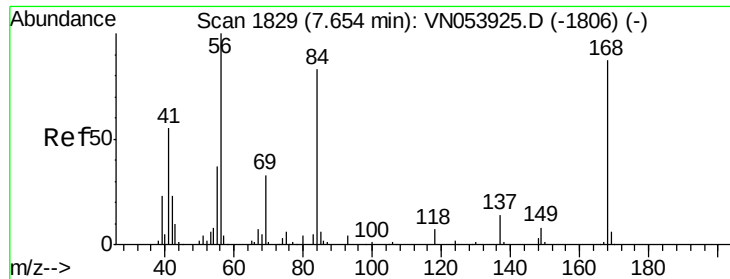
MMDadoda
3/6/2019 9:15:34 AM



#30
Chloroform
Concen: 20.625 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.6	78.8





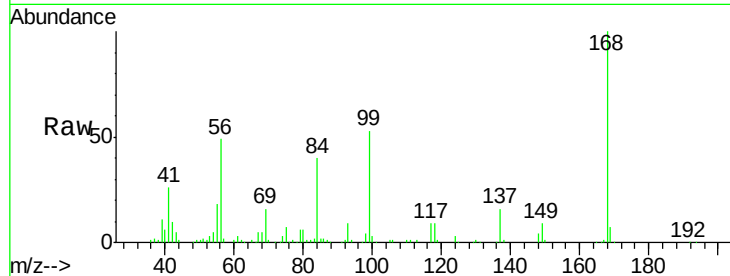
#31
Cyclohexane
Concen: 20.317 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0305WBS01

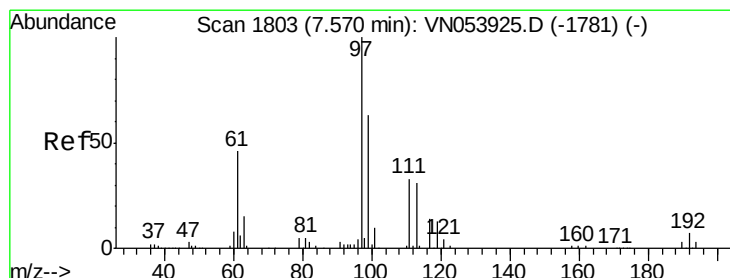
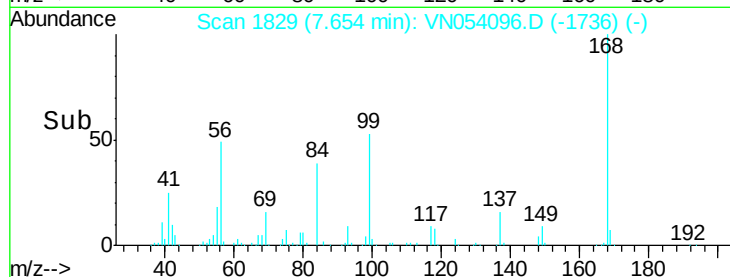
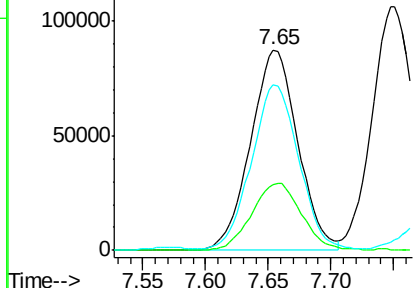
Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.0	39.0
84	81.8	69.1	103.7

Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:15:34 AM

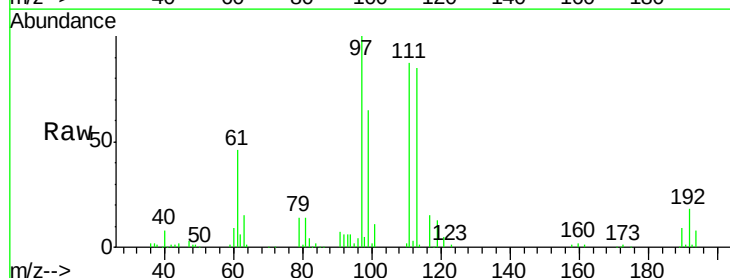


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

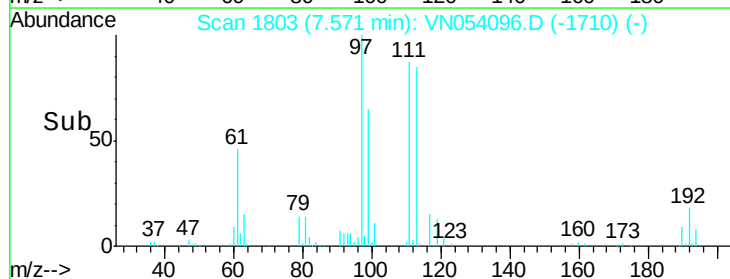
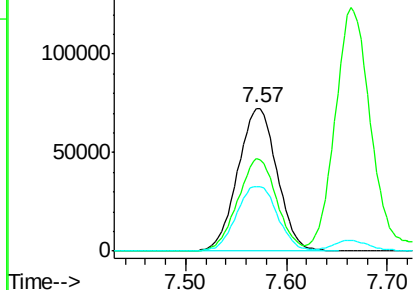


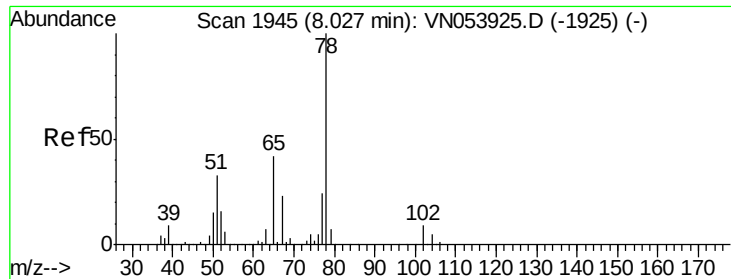
#32
1,1,1-Trichloroethane
Concen: 20.173 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.8
61	47.4	33.2	49.8



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





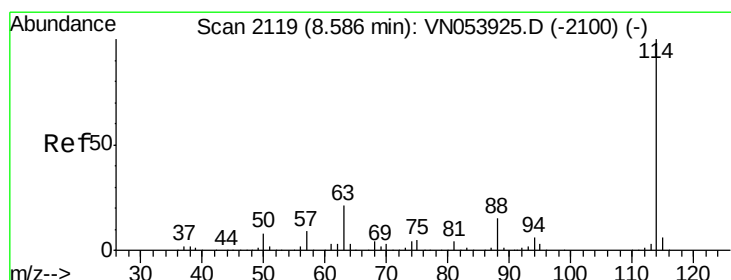
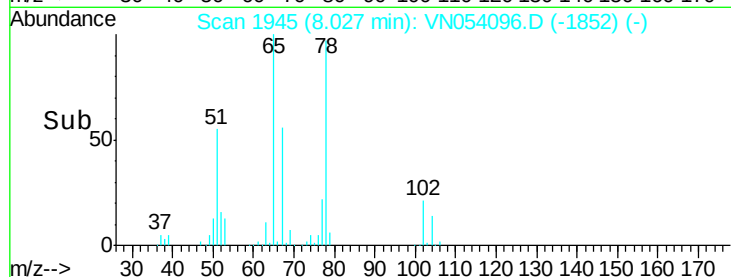
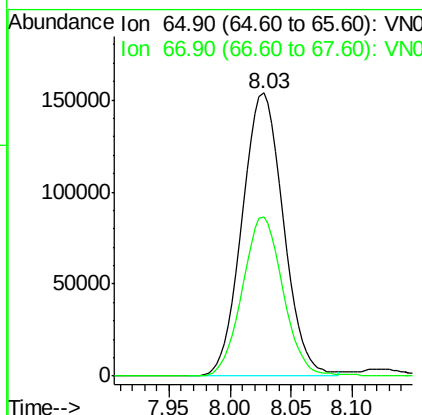
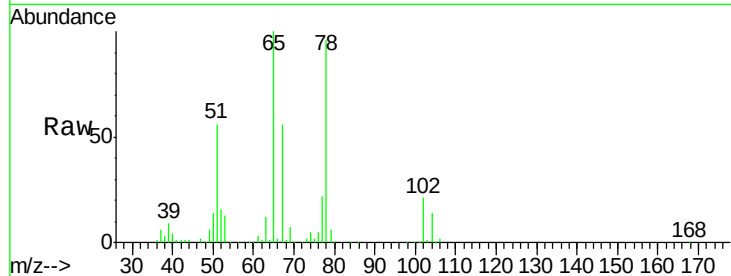
#33
 1,2-Dichloroethane-d4
 Concen: 51.716 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.5	0.0		111.8

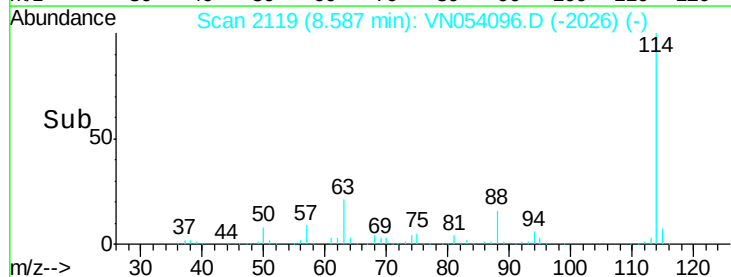
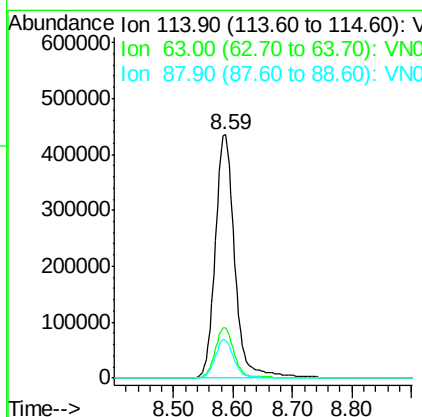
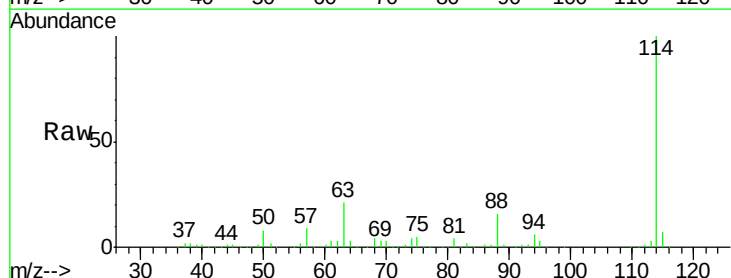
Manual Integrations
 APPROVED

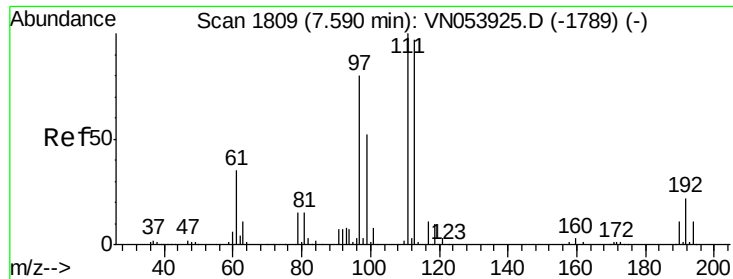
MMDadoda
 3/6/2019 9:15:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.6	0.0		37.4
88	15.5	0.0		30.4





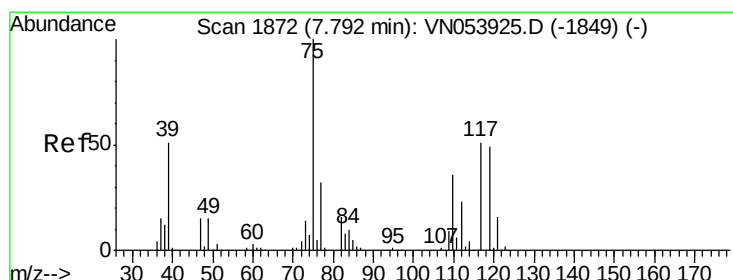
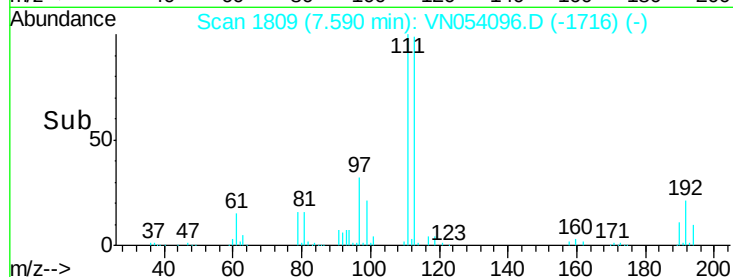
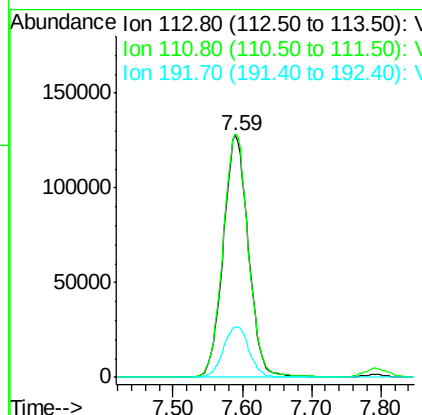
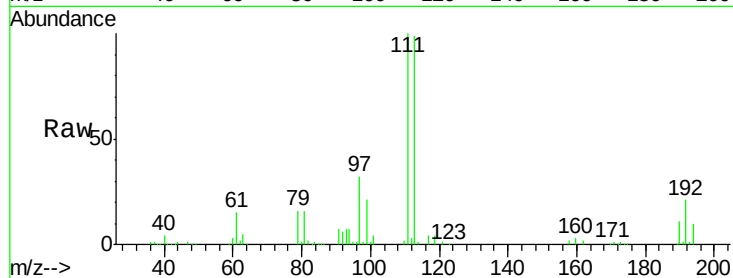
#35
Dibromofluoromethane
Concen: 50.567 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	81.1	121.7	
192	21.4	18.8	28.2	

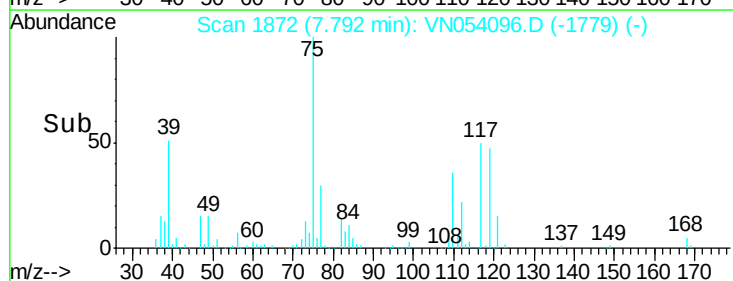
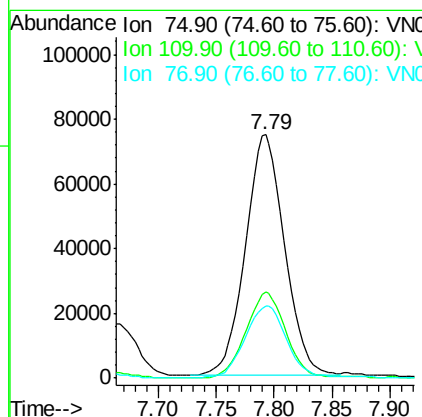
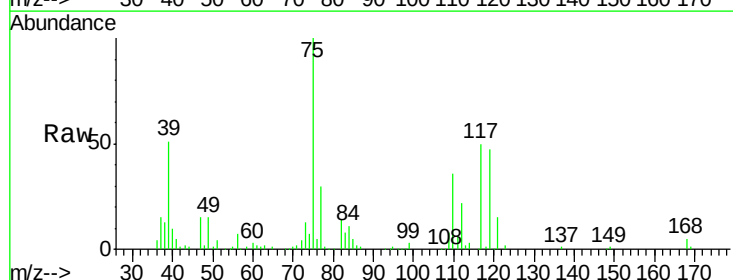
Manual Integrations
APPROVED

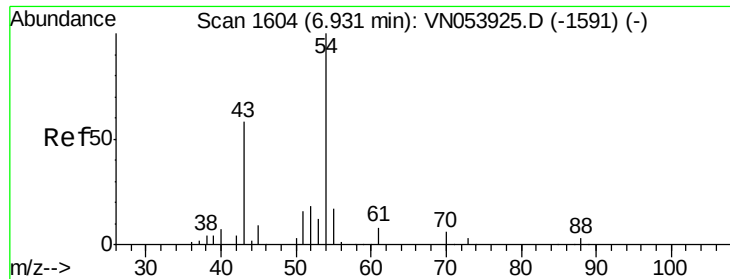
MMDadoda
3/6/2019 9:15:34 AM



#36
1,1-Dichloropropene
Concen: 19.120 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.6	19.0	57.0	
77	32.0	25.4	38.0	





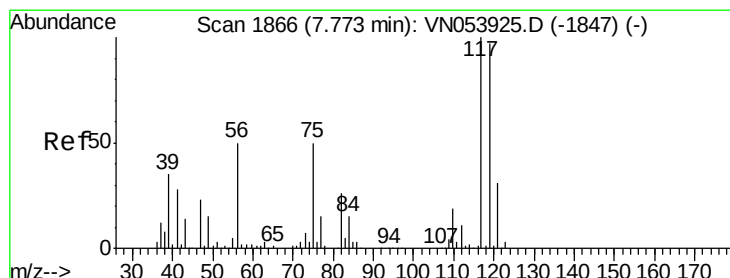
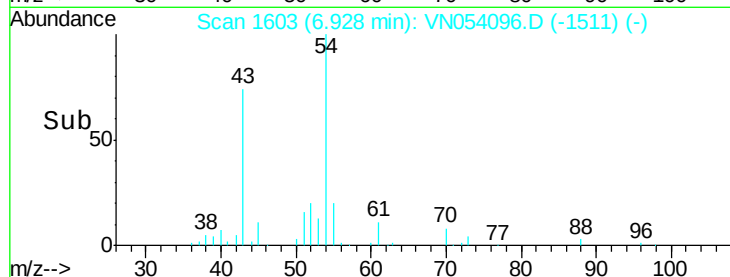
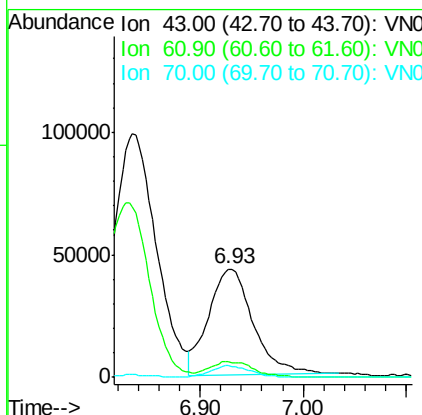
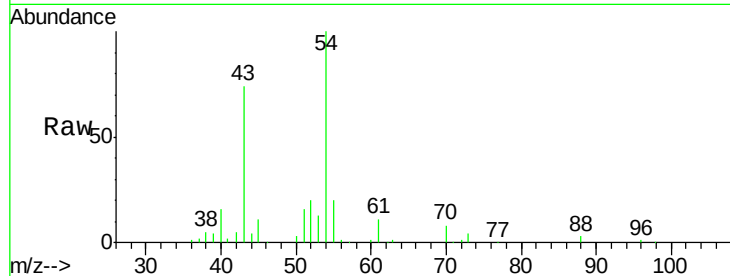
#37
Ethyl Acetate
Concen: 19.839 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0305WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	12.0	18.0
70	9.9	8.7	13.1

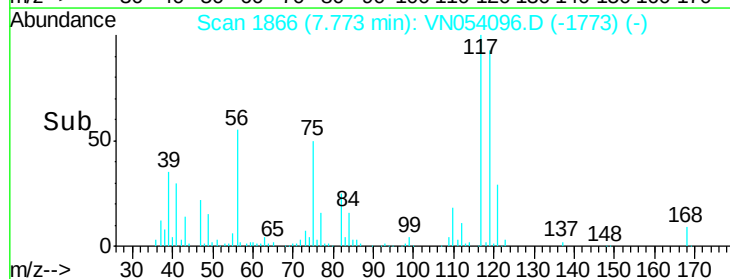
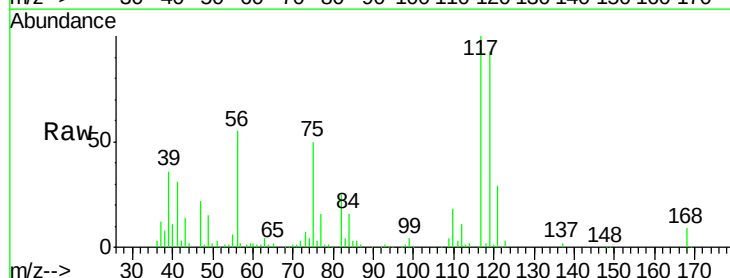
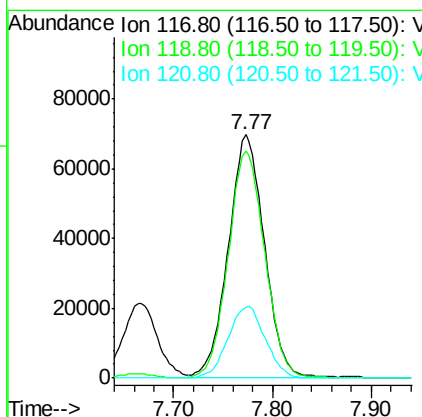
Manual Integrations
APPROVED

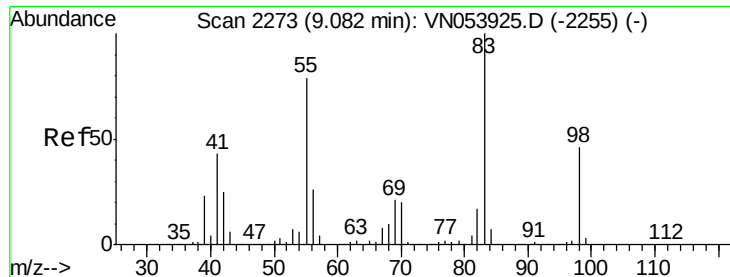
MMDadoda
3/6/2019 9:15:34 AM



#38
Carbon Tetrachloride
Concen: 18.462 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.2	114.2
121	29.1	24.6	36.8





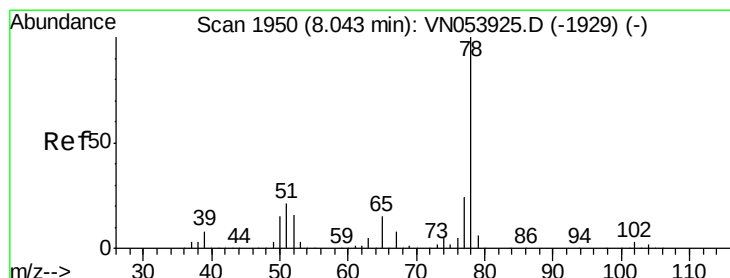
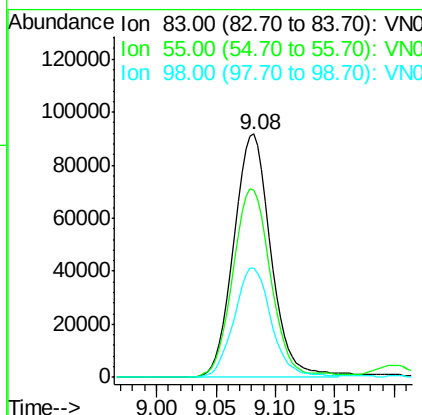
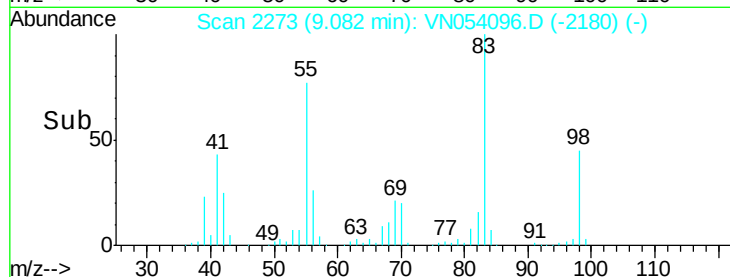
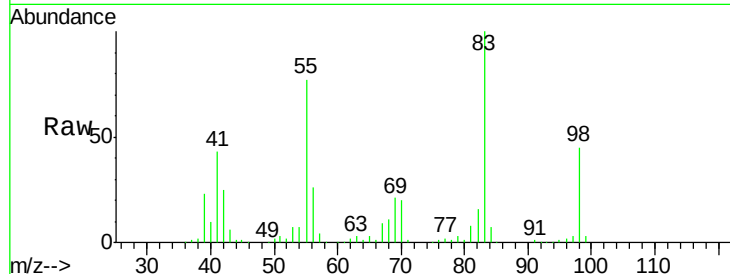
#39
Methylvlcyclohexane
Concen: 17.926 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	58.2	87.4
98	44.6	37.2	55.8

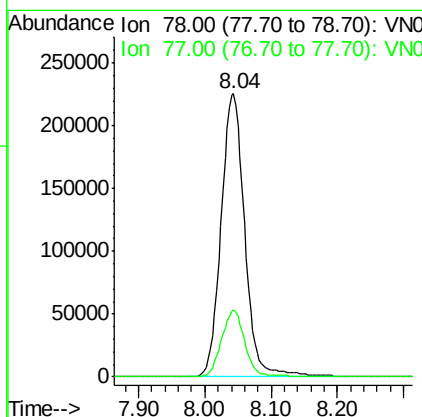
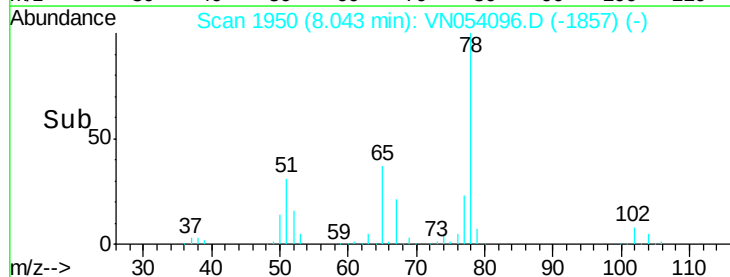
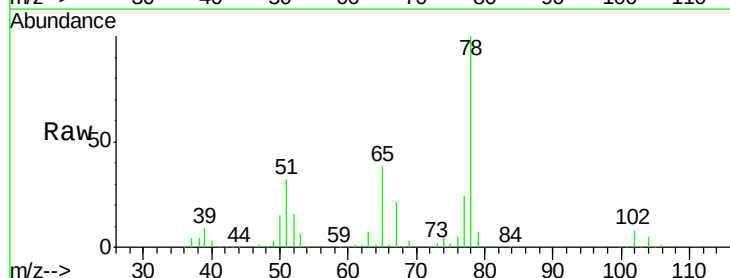
Manual Integrations
APPROVED

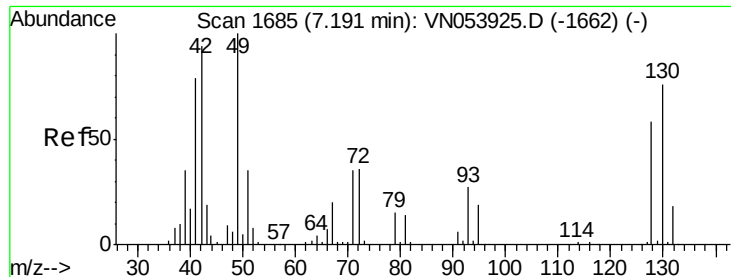
MMDadoda
3/6/2019 9:15:34 AM



#40
Benzene
Concen: 19.758 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





#41

Methacrylonitrile

Concen: 14.353 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.02 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBS01

Tot Ion: 41 Resp: 60720

Ion Ratio Lower Upper

41 100

39 65.0 0.0 0.0#

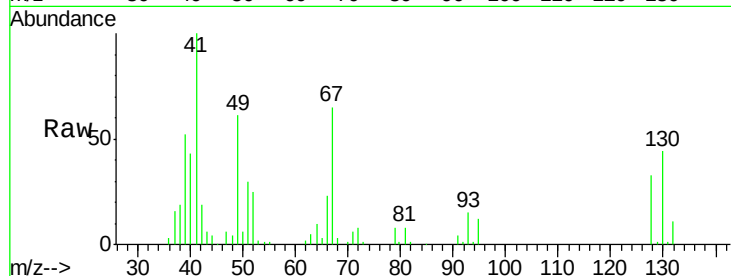
67 91.4 0.0 0.0#

52 39.7 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

3/6/2019 9:15:34 AM

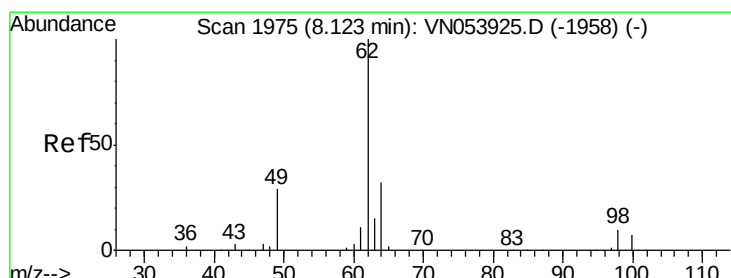
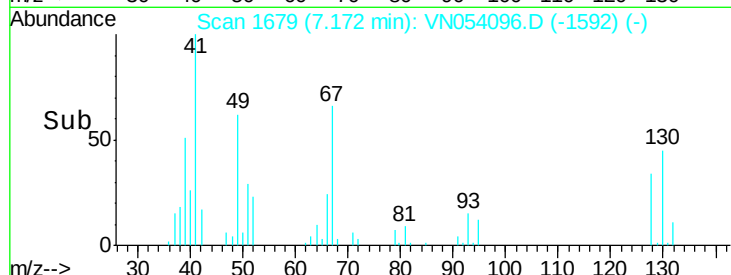
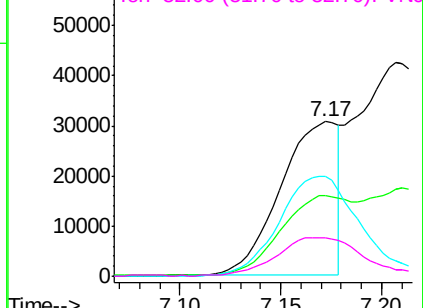


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 19.948 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN054096.D

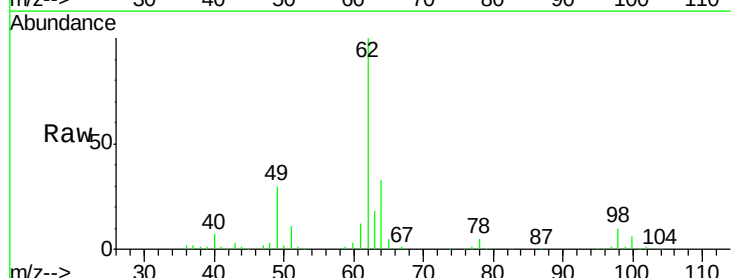
Acq: 5 Mar 2019 13:54

Tgt Ion: 62 Resp: 174564

Ion Ratio Lower Upper

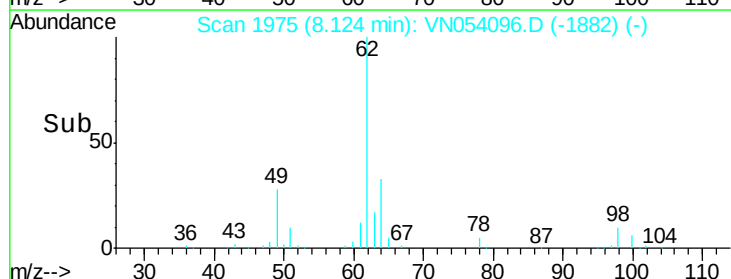
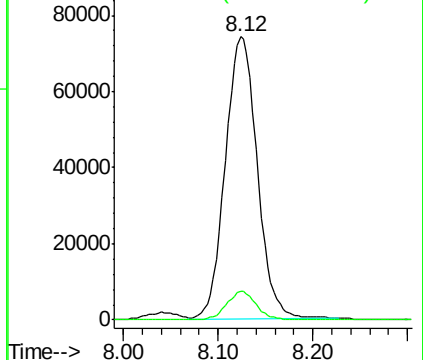
62 100

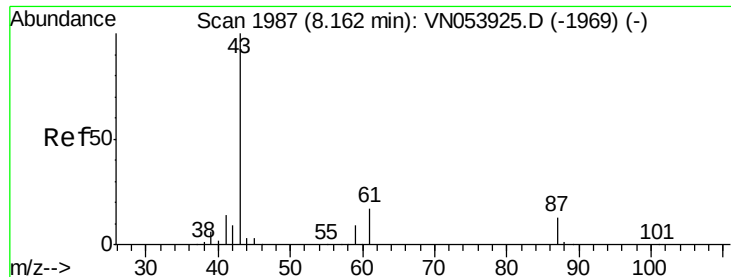
98 9.4 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 19.649 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

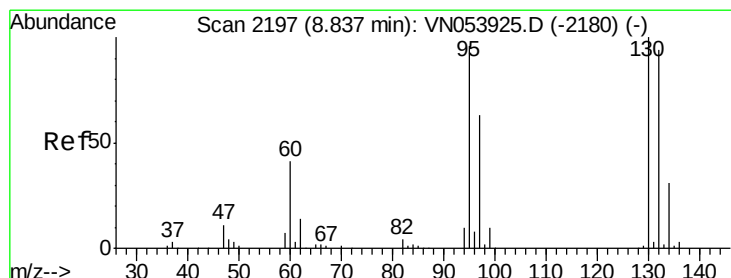
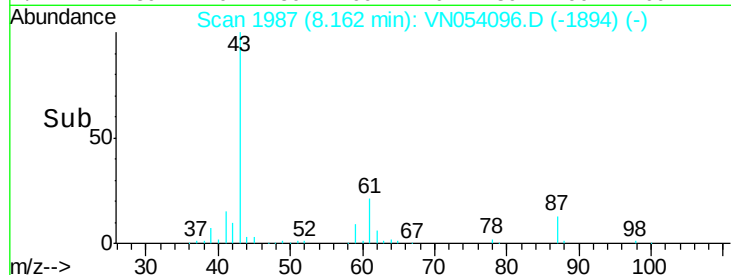
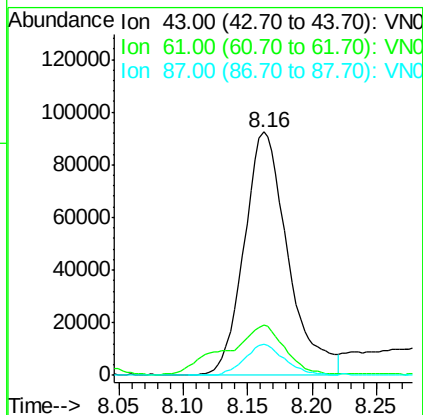
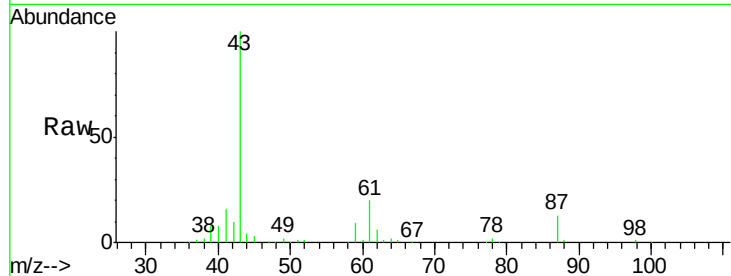
ClientSampleId :

VN0305WBS01

Tot Ion:	43	Resp:	217954
Ion	Ratio	Lower	Upper
43	100		
61	27.4	17.4	26.0#
87	11.8	11.5	17.3

Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:15:34 AM



#44

Trichloroethene

Concen: 19.794 ug/l

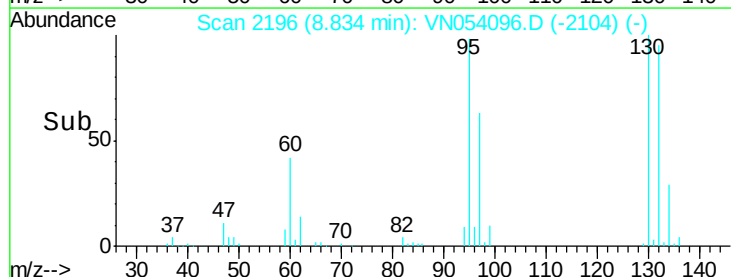
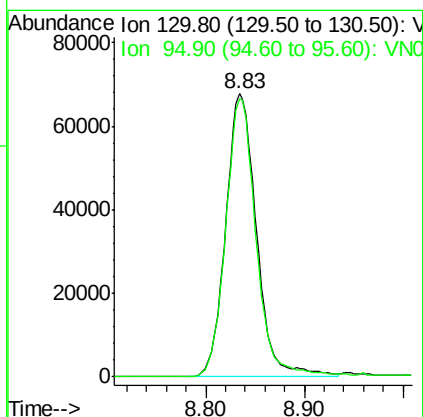
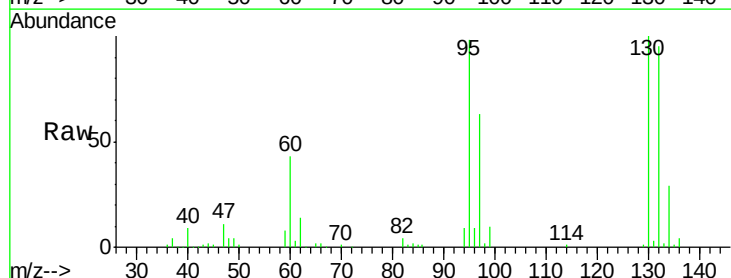
RT: 8.83 min Scan# 2196

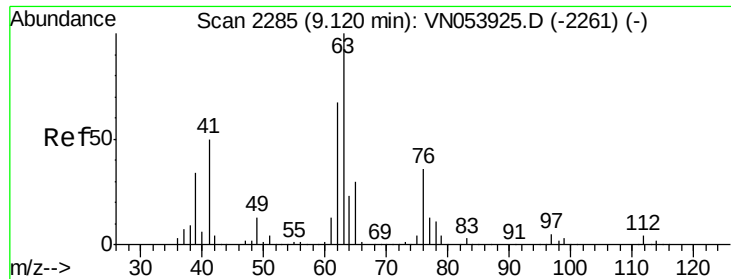
Delta R.T. -0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Tgt Ion:	130	Resp:	148328
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	190.0





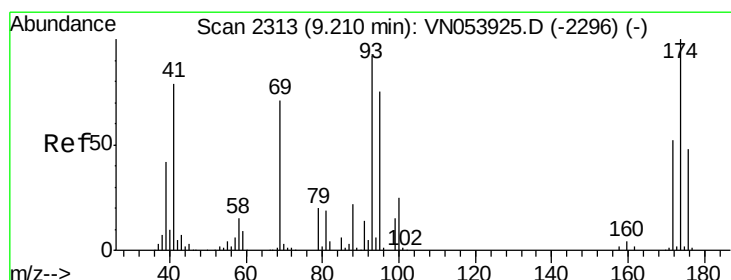
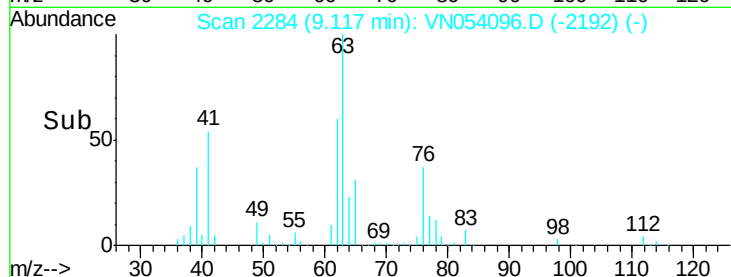
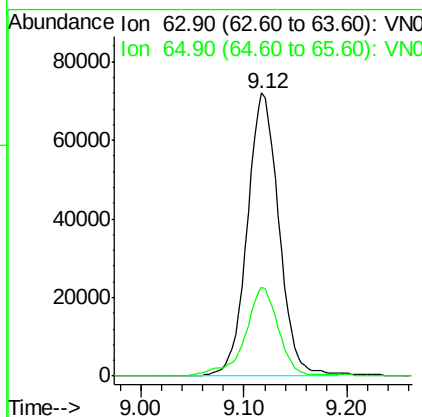
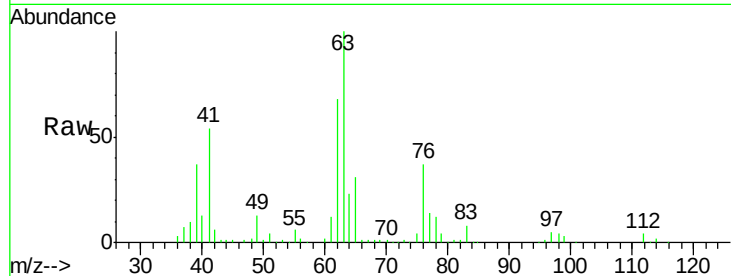
#45
 1,2-Dichloropropane
 Concen: 20.137 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBS01

Tot Ion: 63 Resp: 153562
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.3 36.5

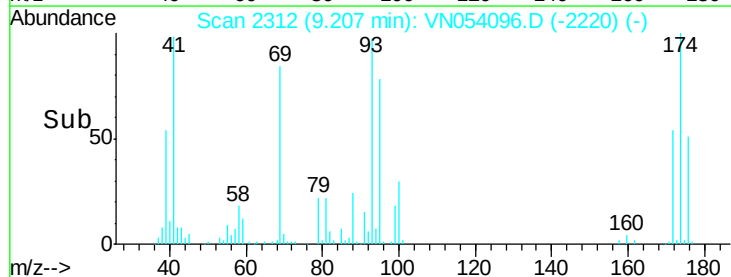
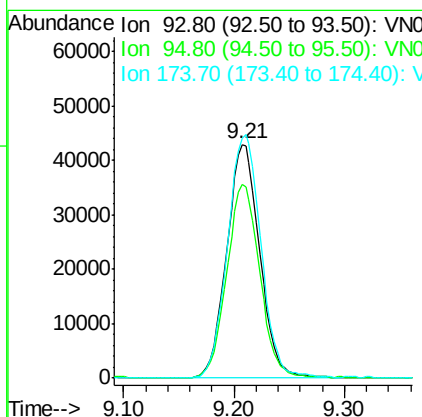
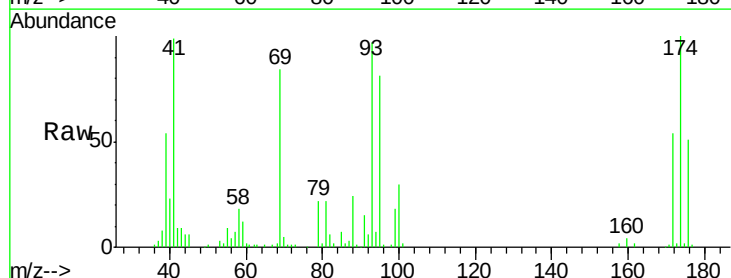
Manual Integrations
 APPROVED

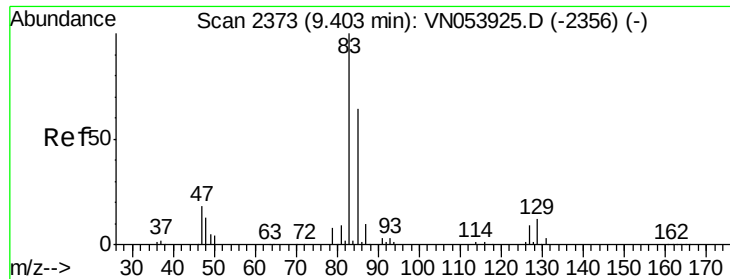
MMDadoda
 3/6/2019 9:15:34 AM



#46
 Dibromomethane
 Concen: 20.120 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Tgt Ion: 93 Resp: 89078
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.6 100.0
 174 105.7 96.2 144.4





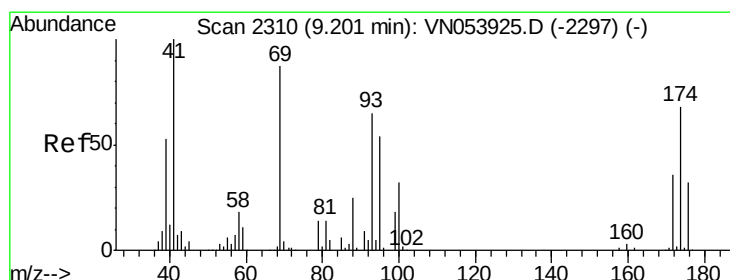
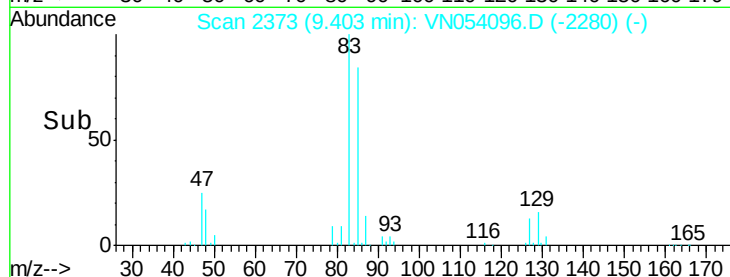
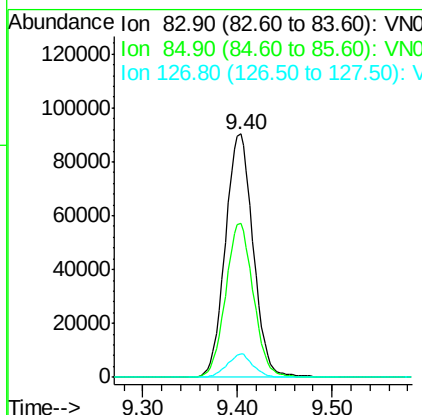
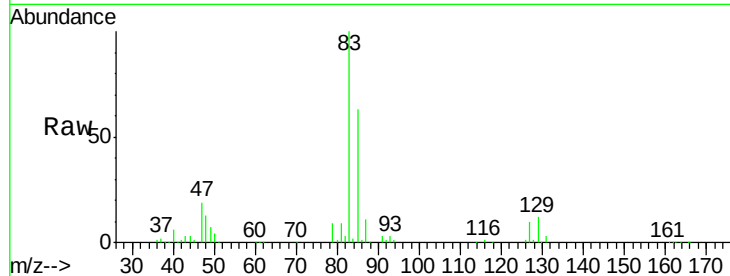
#47
Bromodichloromethane
Concen: 19.788 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBS01

Tot Ion	83	Resp	184621
Ion Ratio	100		
83	100		
85	63.4	51.8	77.6
127	9.7	7.4	11.0

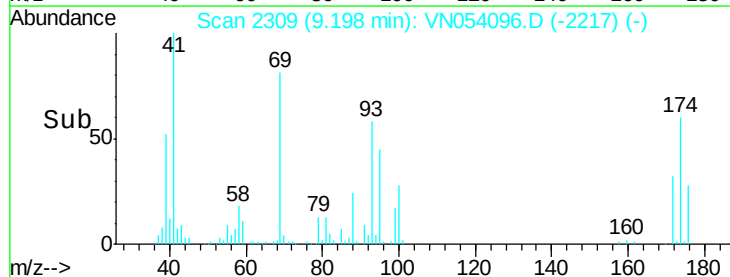
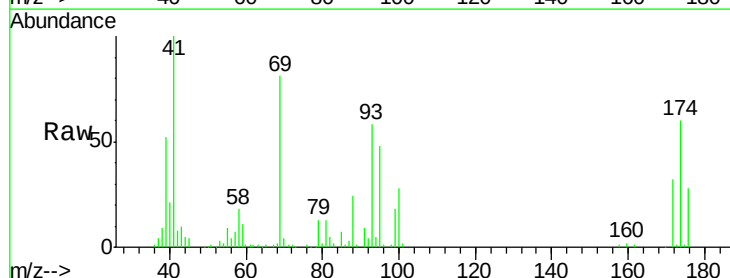
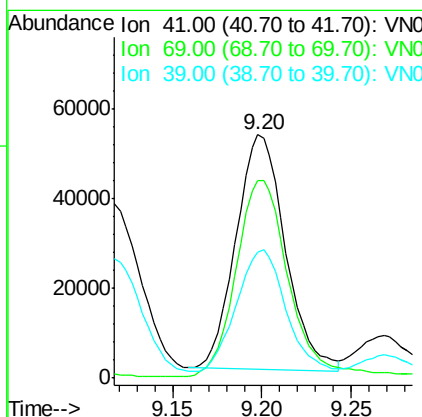
Manual Integrations
APPROVED

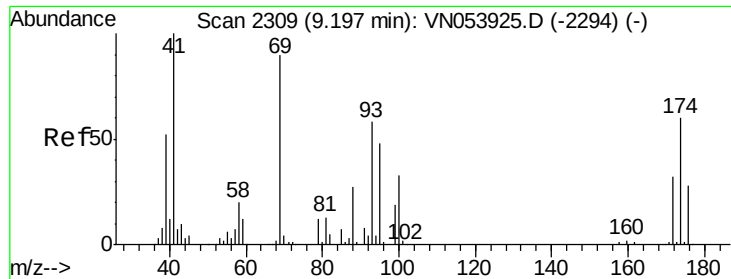
MMDadoda
3/6/2019 9:15:34 AM



#48
Methyl methacrylate
Concen: 19.806 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	41	Resp	101056
Ion Ratio	100		
41	100		
69	92.4	74.8	112.2
39	56.9	39.0	58.6





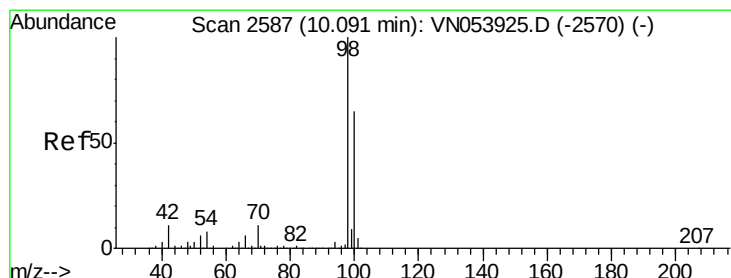
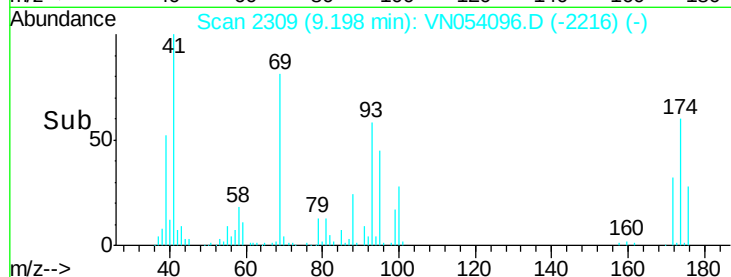
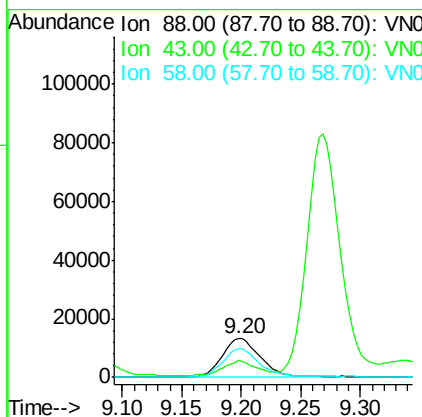
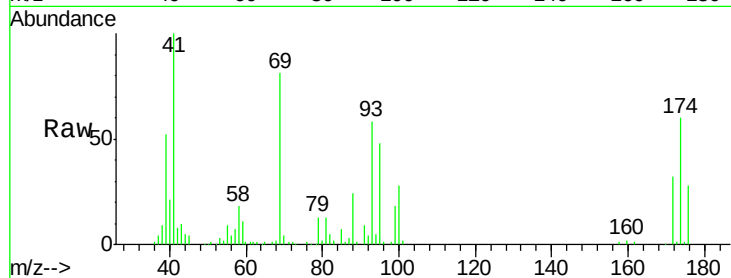
#49
1,4-Dioxane
Concen: 430.220 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0305WBS01

Tot Ion	88	Resp	29731
Ion	Ratio	Lower	Upper
88	100		
43	32.5	21.2	31.8#
58	69.9	54.2	81.2

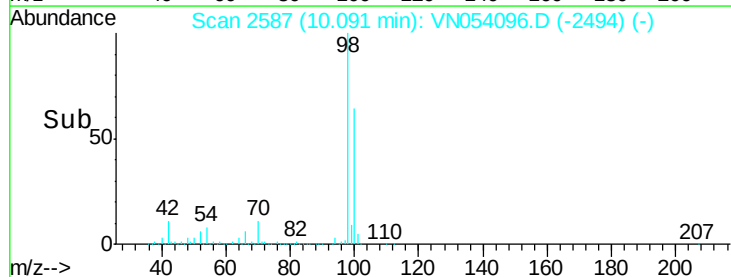
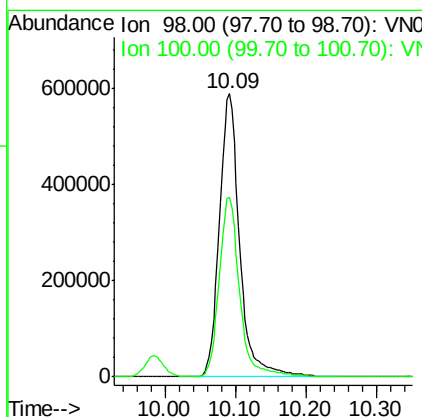
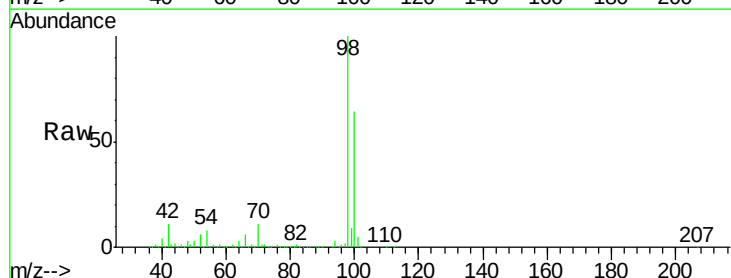
Manual Integrations
APPROVED

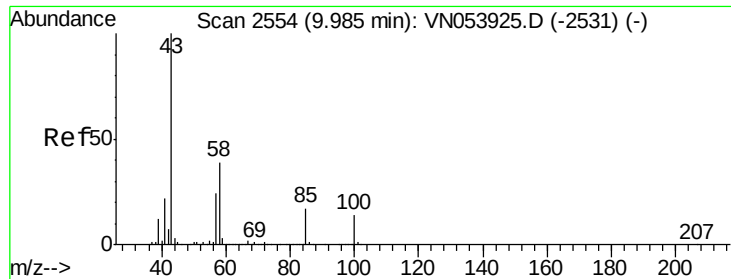
MMDadoda
3/6/2019 9:15:34 AM



#50
Toluene-d8
Concen: 49.675 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	98	Resp	1183100
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 105.681 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBS01

Tot Ion: 43 Resp: 602395

Ion Ratio Lower Upper

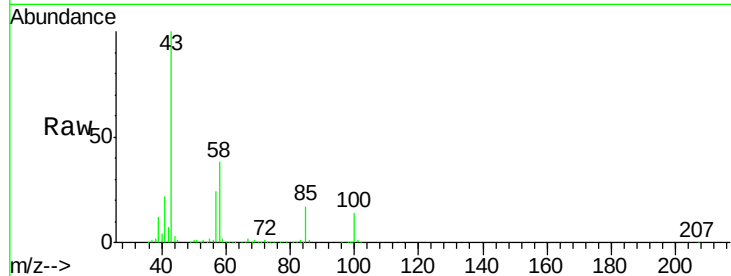
43 100

58 38.3 32.7 49.1

Manual Integrations
APPROVED

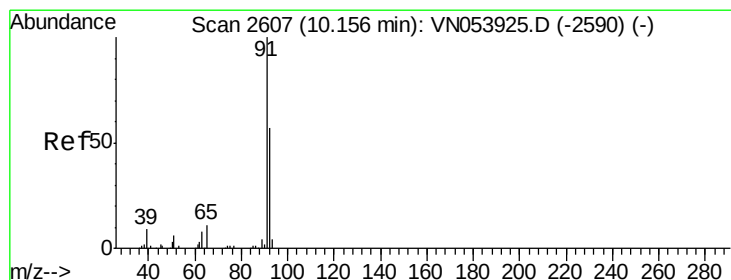
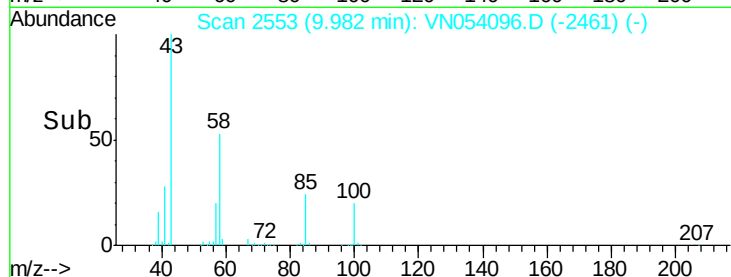
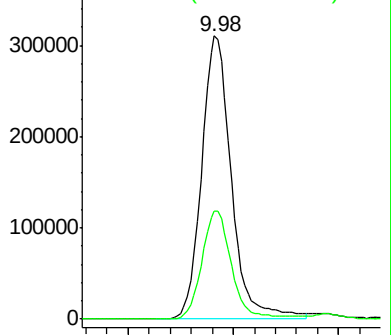
MMDadoda

3/6/2019 9:15:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.863 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054096.D

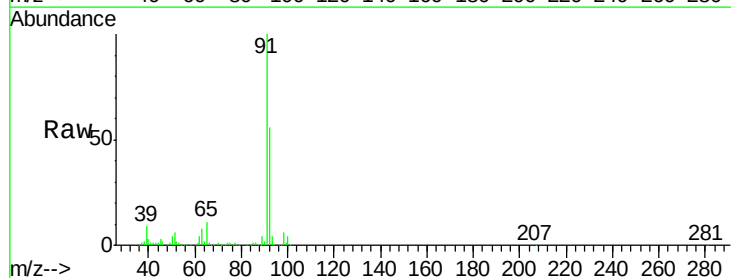
Acq: 5 Mar 2019 13:54

Tgt Ion: 92 Resp: 330590

Ion Ratio Lower Upper

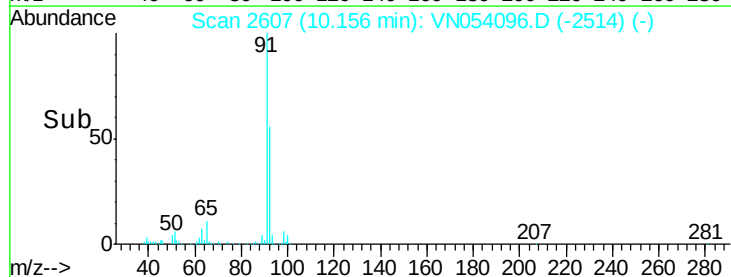
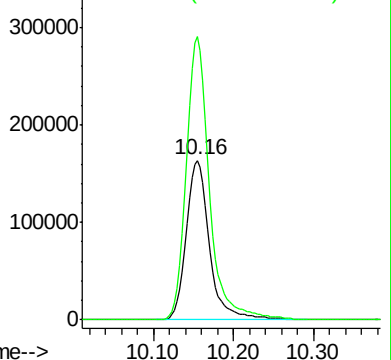
92 100

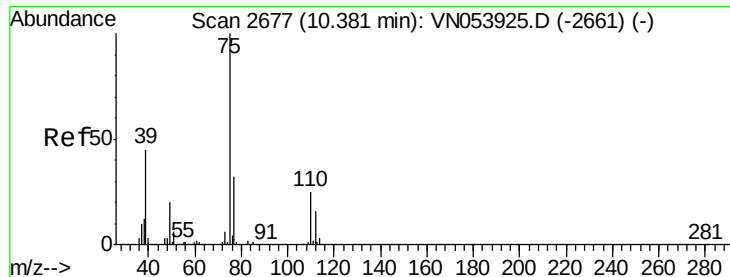
91 176.8 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.098 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

ClientSampled :

VN0305WBS01

Tot Ion: 75 Resp: 173378

Ion Ratio Lower Upper

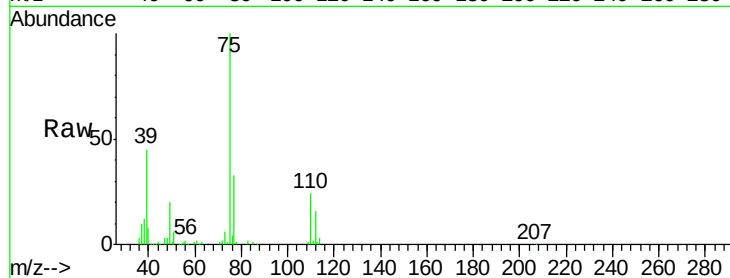
75 100

77 32.4 25.0 37.6

Manual Integrations
APPROVED

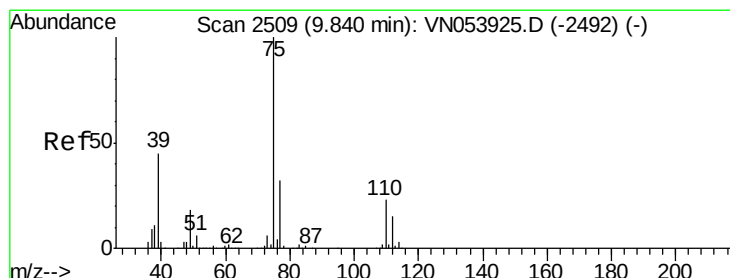
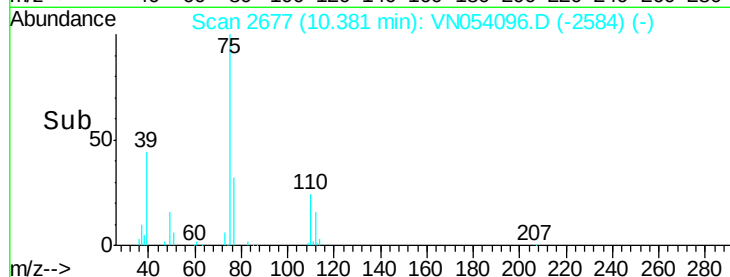
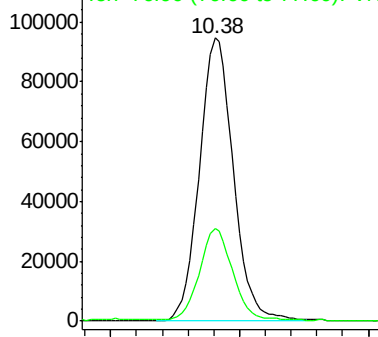
MMDadoda

3/6/2019 9:15:34 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.546 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

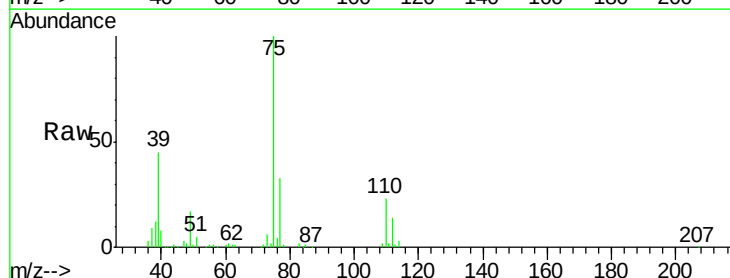
Tgt Ion: 75 Resp: 209183

Ion Ratio Lower Upper

75 100

77 33.2 25.8 38.6

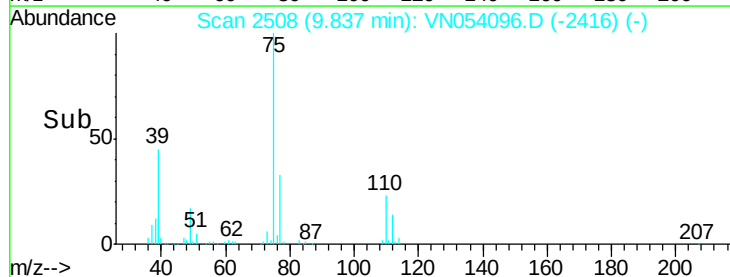
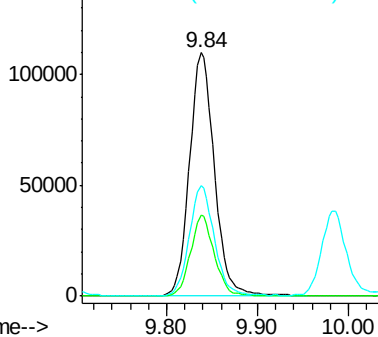
39 45.0 31.4 47.0

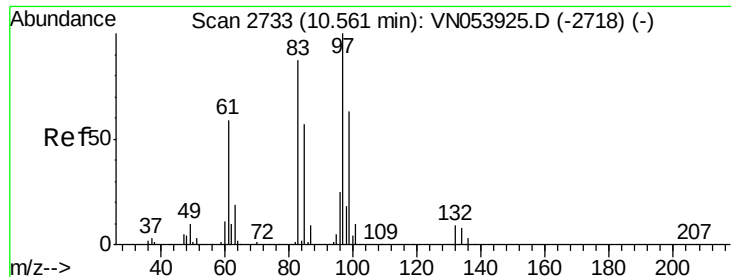


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





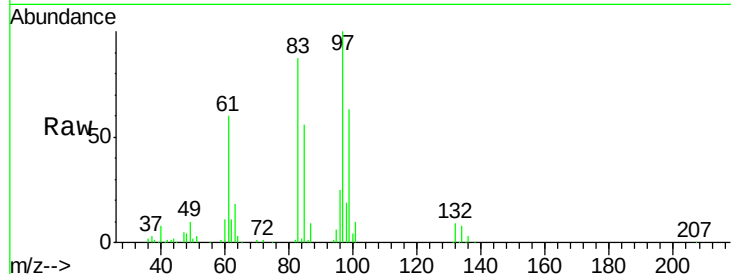
#55
 1,1,2-Trichloroethane
 Concen: 20.722 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0305WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.5	104.3
85	56.1	45.9	68.9
99	63.0	49.1	73.7

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 9:15:34 AM



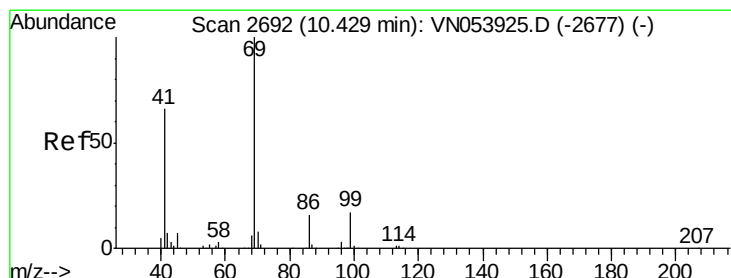
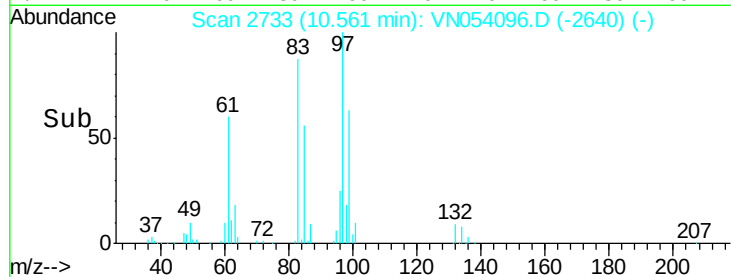
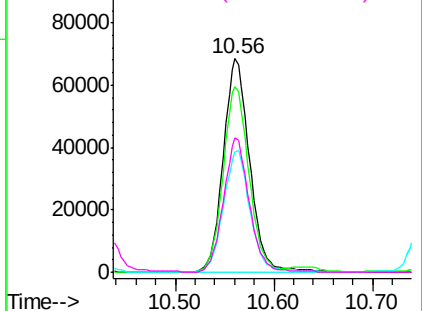
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

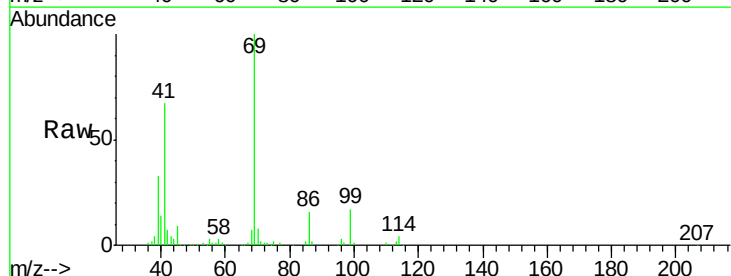
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 19.323 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.0	47.5	71.3
39	33.2	23.4	35.0

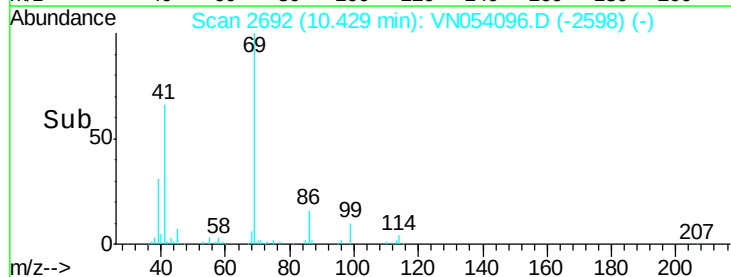
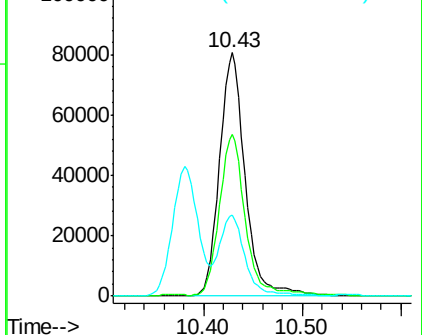


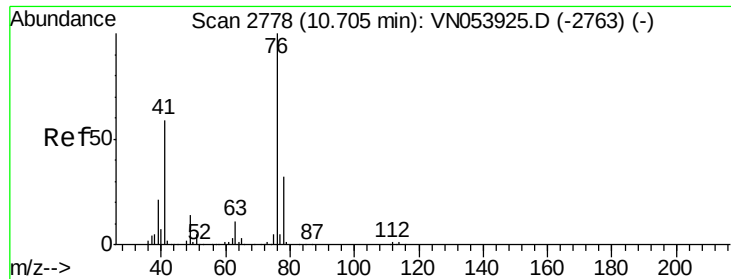
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.591 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBS01

Tot Ion: 76 Resp: 216256

Ion Ratio Lower Upper

76 100

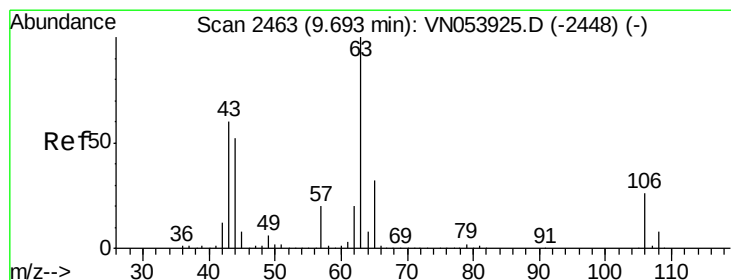
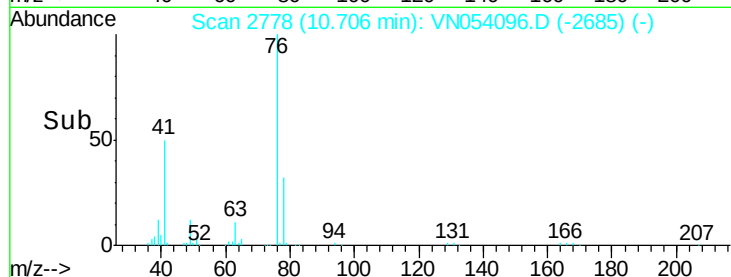
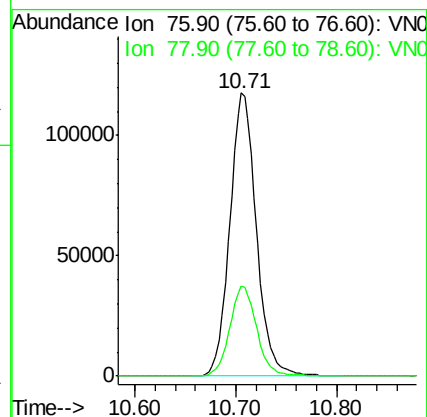
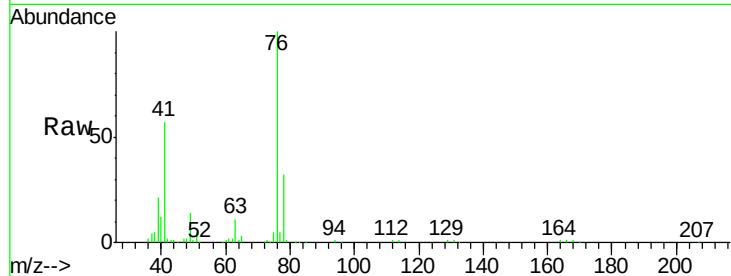
78 32.2 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

3/6/2019 9:15:34 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.383 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN054096.D

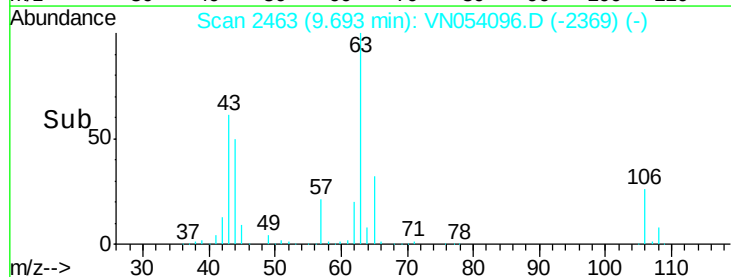
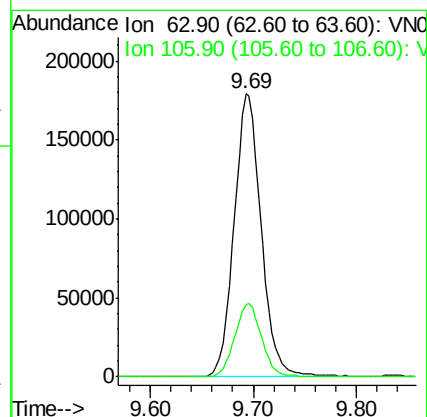
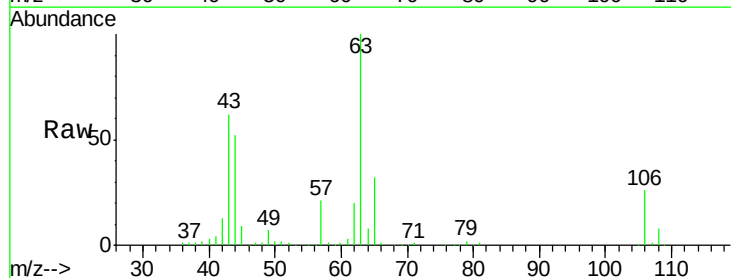
Acq: 5 Mar 2019 13:54

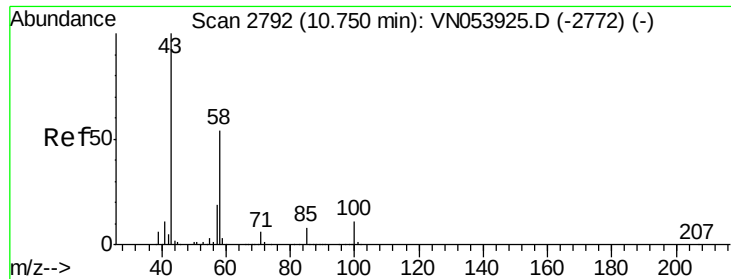
Tgt Ion: 63 Resp: 328125

Ion Ratio Lower Upper

63 100

106 25.9 22.2 33.2





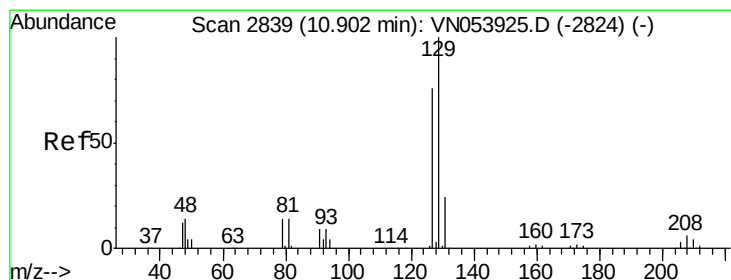
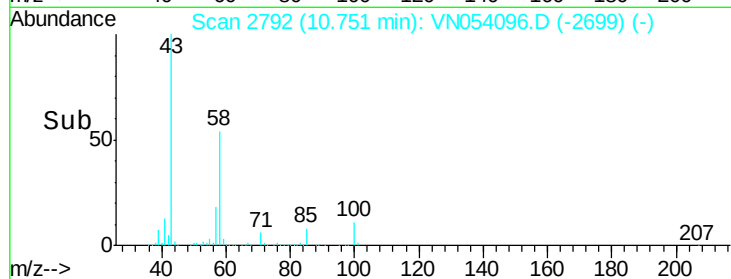
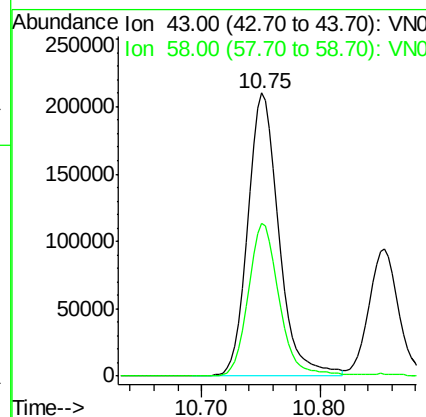
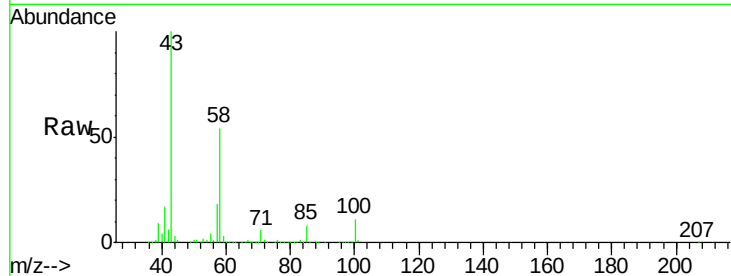
#59
2-Hexanone
Concen: 102.171 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBS01

Tot Ion	43	Resp	378772
Ion Ratio	100	Lower	Upper
43	100		
58	53.9	29.1	87.4

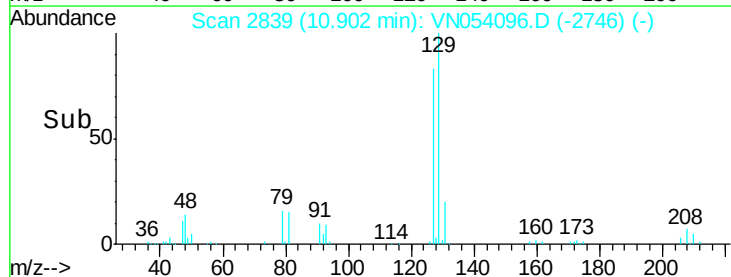
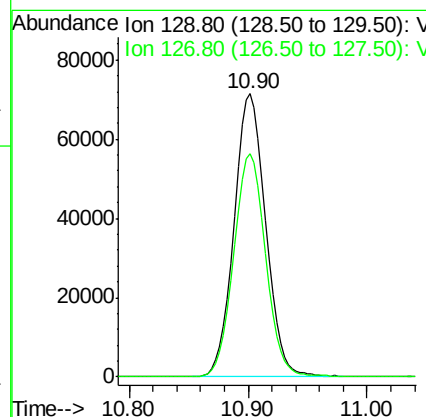
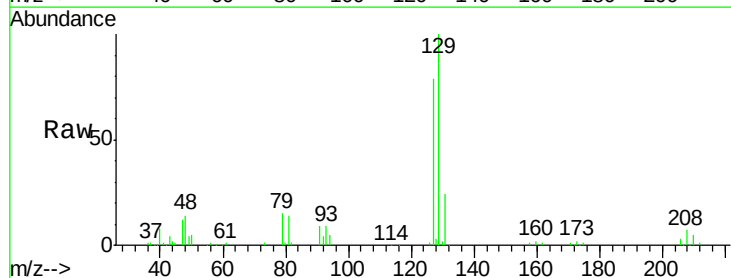
Manual Integrations
APPROVED

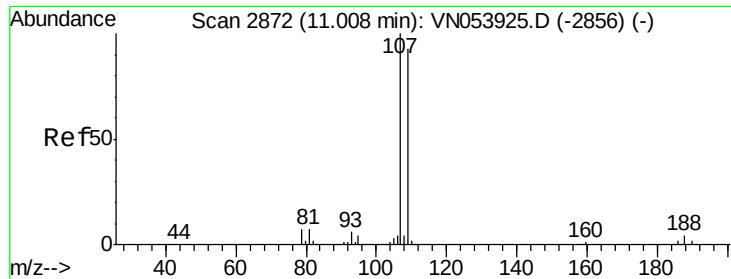
MMDadoda
3/6/2019 9:15:34 AM



#60
Dibromochloromethane
Concen: 19.077 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	129	Resp	131786
Ion Ratio	100	Lower	Upper
129	100		
127	79.7	38.8	116.3





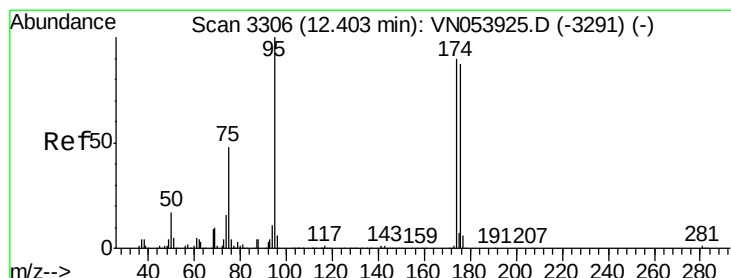
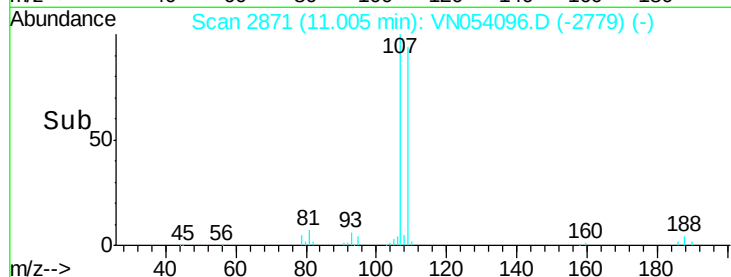
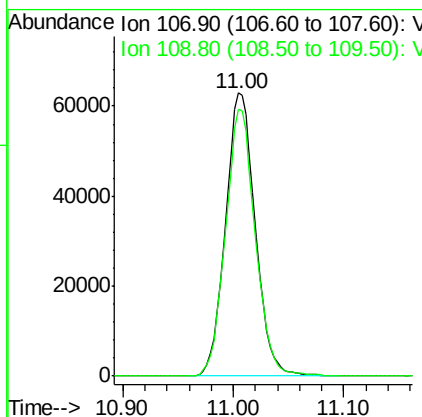
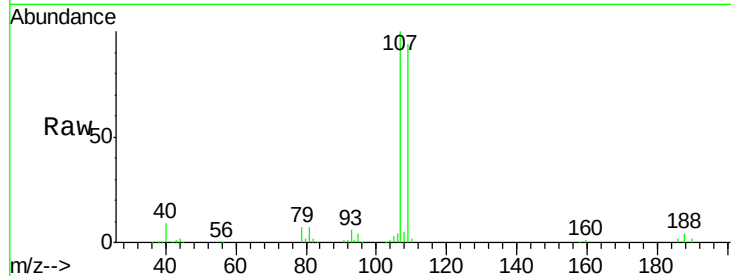
#61
 1,2-Dibromoethane
 Concen: 19.617 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBS01

Tot Ion: 107 Resp: 117624
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.3 114.5

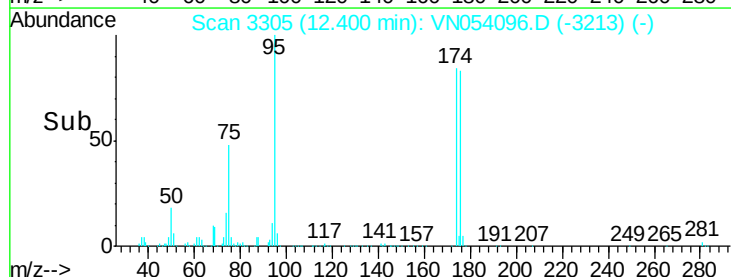
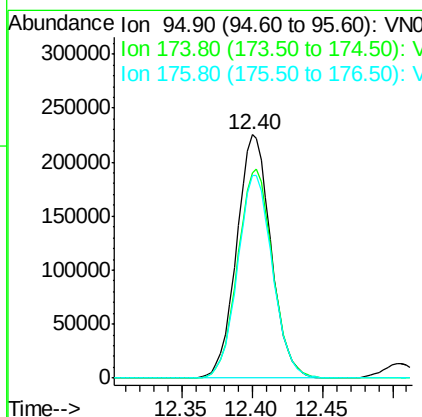
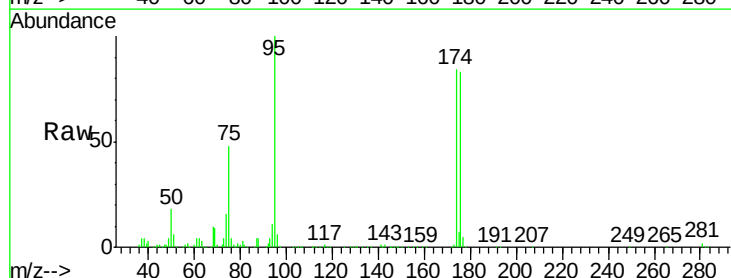
Manual Integrations
 APPROVED

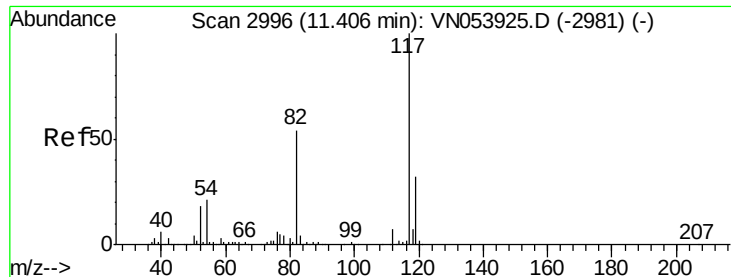
MMDadoda
 3/6/2019 9:15:34 AM



#62
 4-Bromofluorobenzene
 Concen: 48.376 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Tgt Ion: 95 Resp: 383861
 Ion Ratio Lower Upper
 95 100
 174 87.4 0.0 188.8
 176 84.7 0.0 182.6





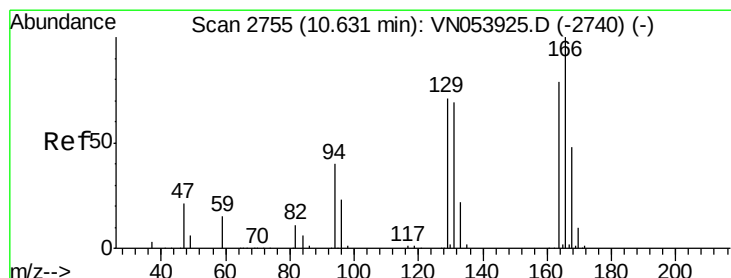
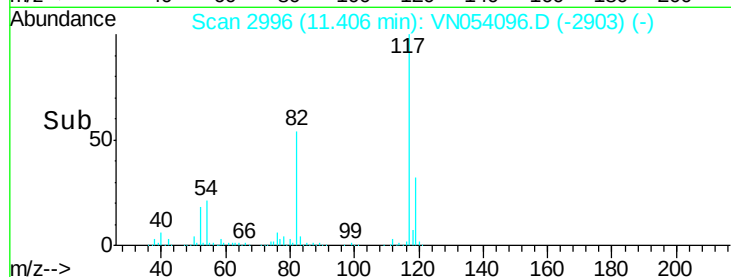
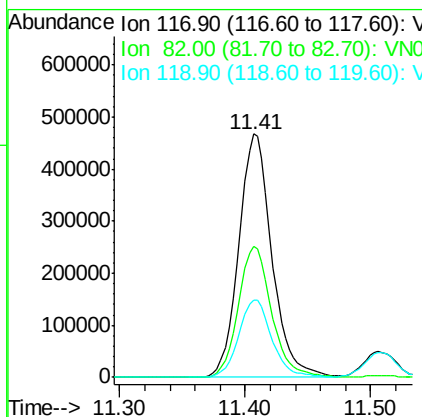
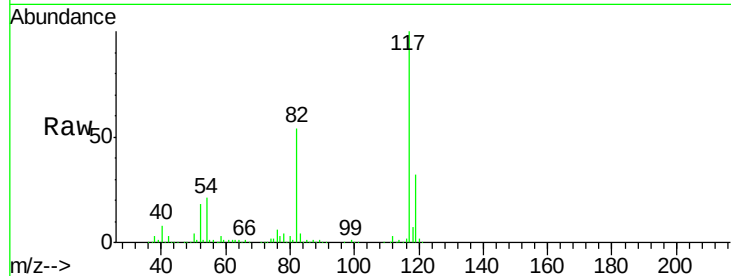
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	41.4	62.2
119	32.0	25.3	37.9

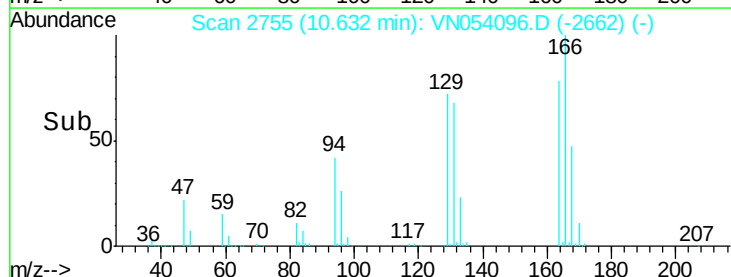
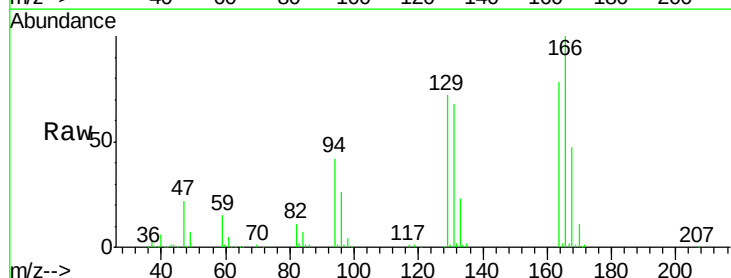
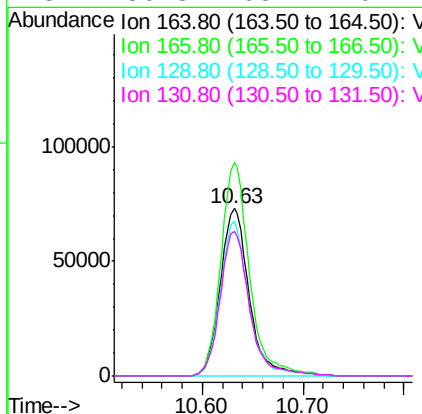
Manual Integrations
APPROVED

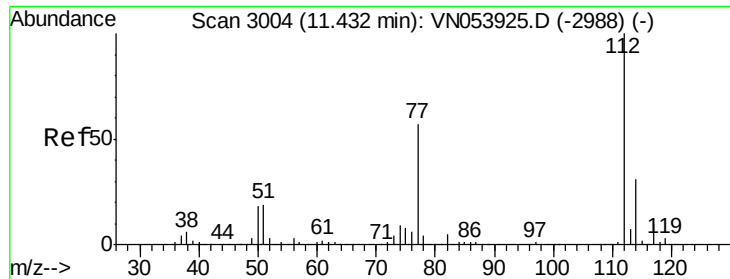
MMDadoda
3/6/2019 9:15:34 AM



#64
Tetrachloroethene
Concen: 20.230 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.6	153.8
129	92.6	69.4	104.0
131	86.8	68.1	102.1





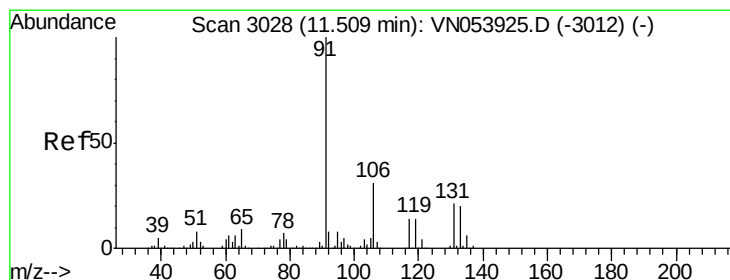
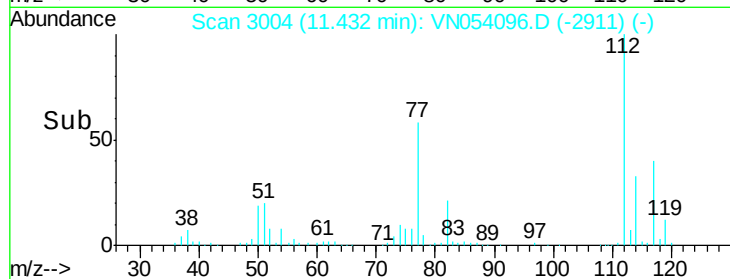
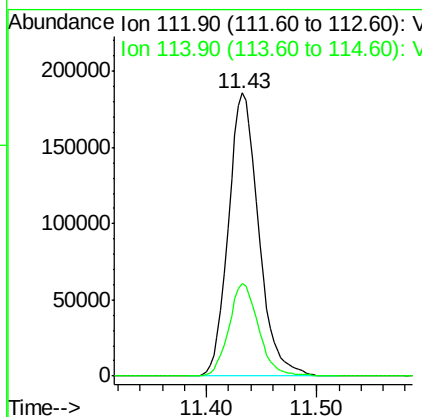
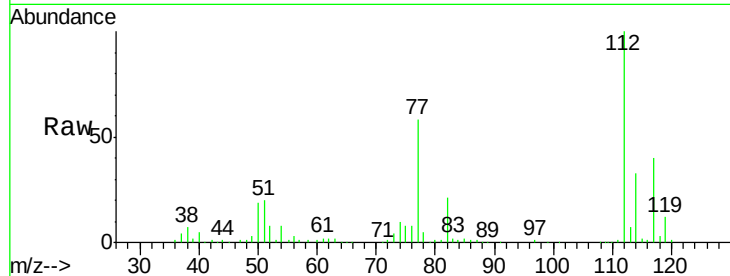
#65
Chlorobenzene
Concen: 19.534 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0305WBS01

Tot Ion:112 Resp: 353454
Ion Ratio Lower Upper
112 100
114 32.6 25.7 38.5

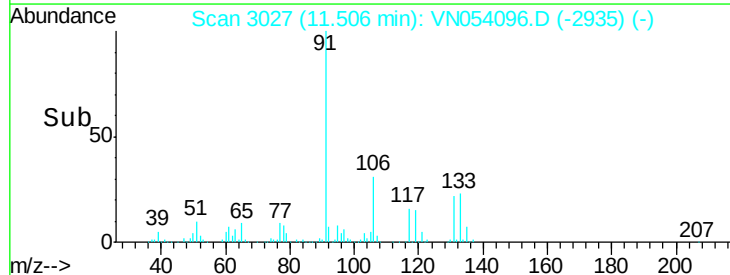
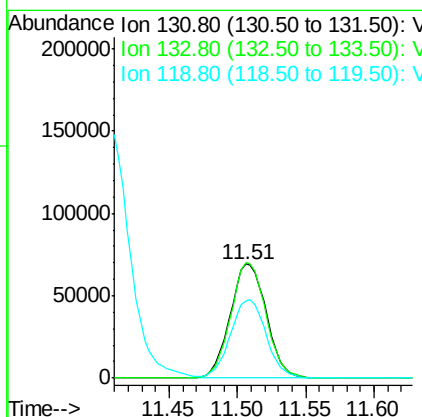
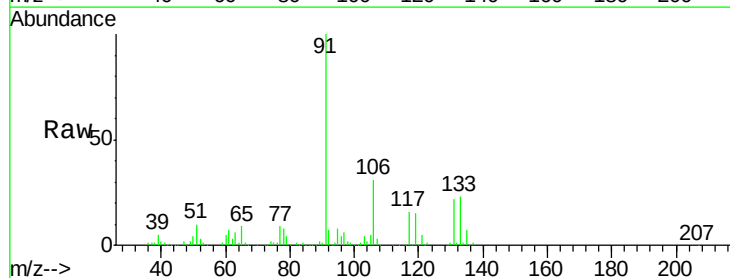
Manual Integrations
APPROVED

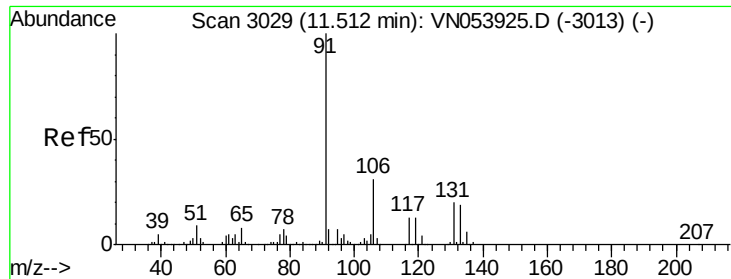
MMDadoda
3/6/2019 9:15:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.584 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion:131 Resp: 127707
Ion Ratio Lower Upper
131 100
133 98.3 47.7 143.1
119 68.0 33.1 99.3





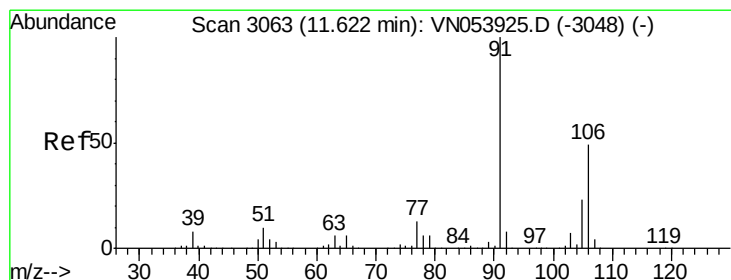
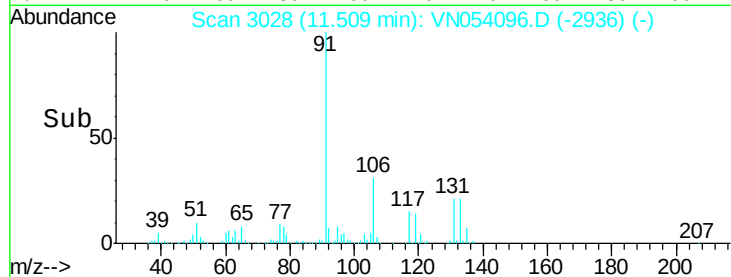
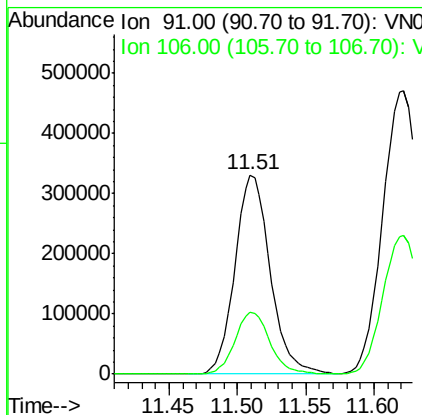
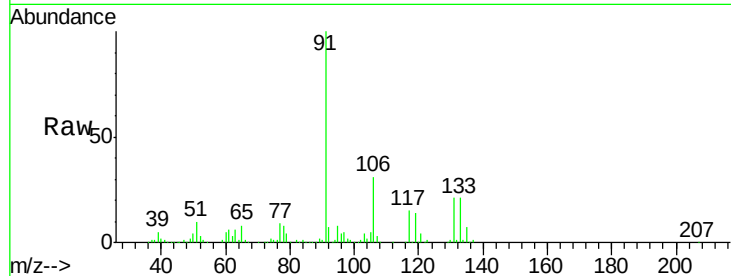
#67
Ethyl Benzene
Concen: 19.629 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0305WBS01

Tot Ion: 91 Resp: 595419
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8

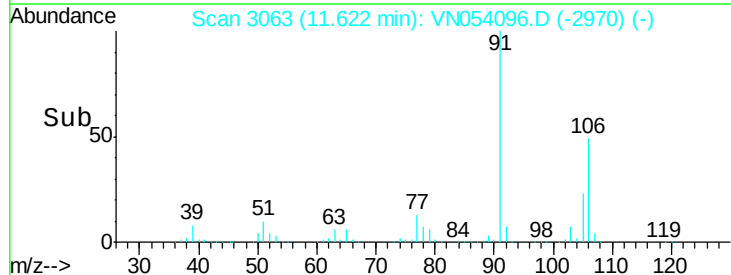
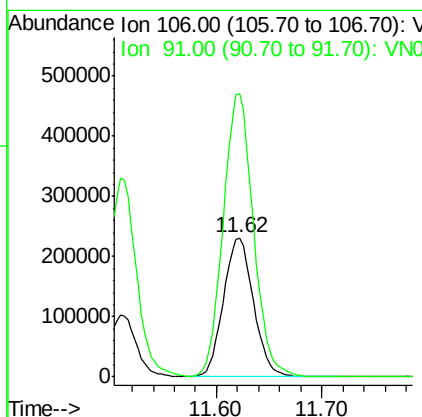
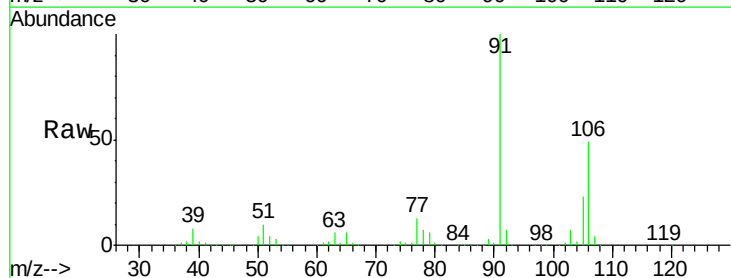
Manual Integrations
APPROVED

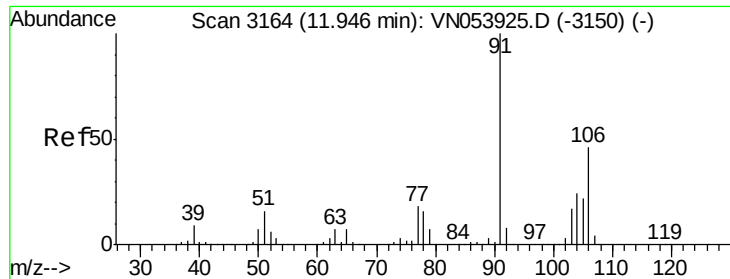
MMDadoda
3/6/2019 9:15:34 AM



#68
m/p-Xylenes
Concen: 39.788 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion: 106 Resp: 455509
Ion Ratio Lower Upper
106 100
91 204.2 158.9 238.3





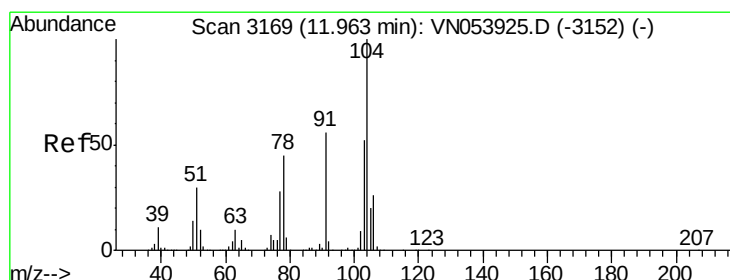
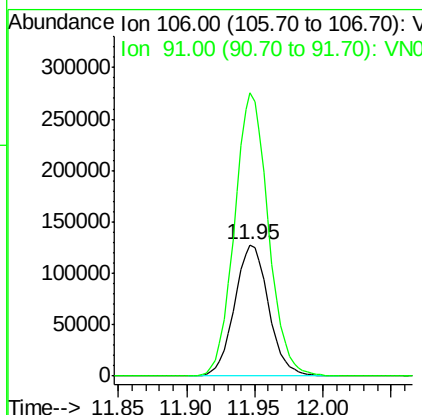
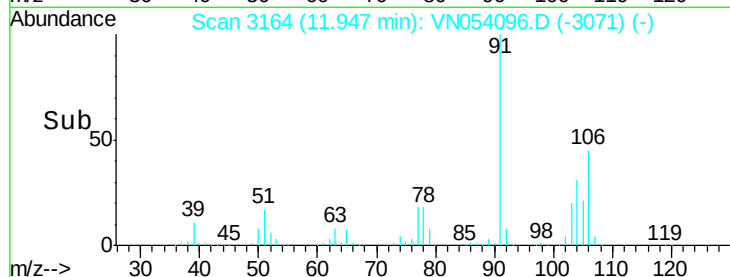
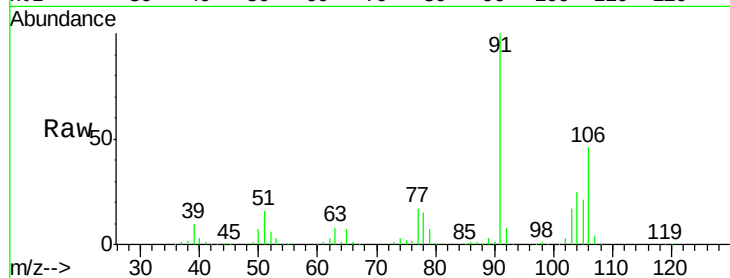
#69
o-Xylene
Concen: 19.669 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0305WBS01

Tot Ion:106 Resp: 221251
Ion Ratio Lower Upper
106 100
91 214.2 106.0 318.0

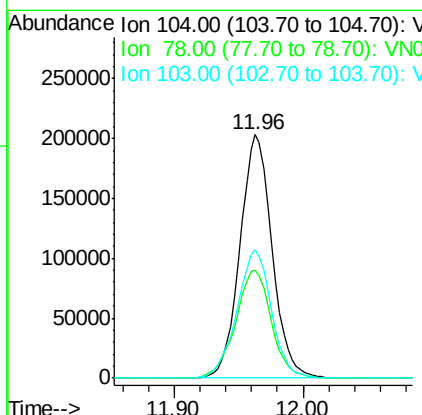
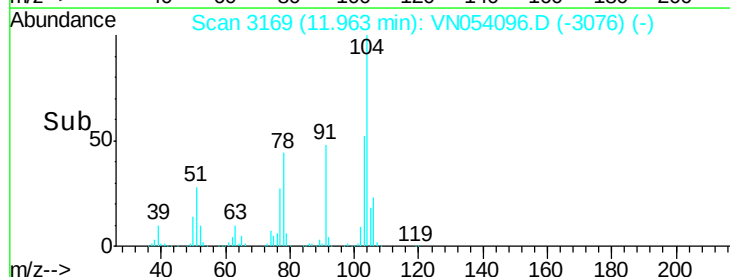
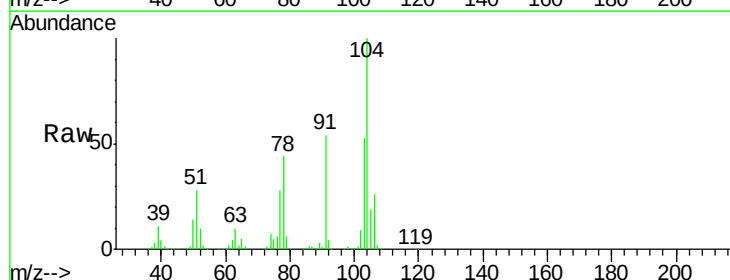
Manual Integrations
APPROVED

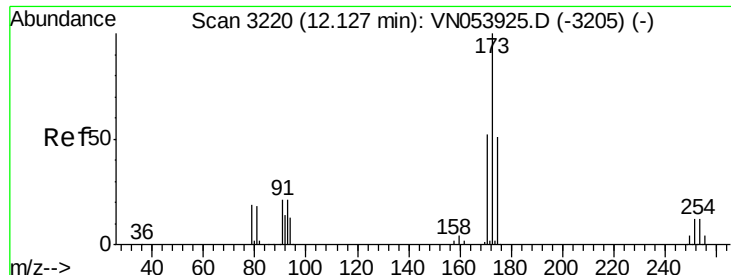
MMDadoda
3/6/2019 9:15:34 AM



#70
Styrene
Concen: 20.360 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion:104 Resp: 352269
Ion Ratio Lower Upper
104 100
78 49.3 38.1 57.1
103 56.5 44.6 67.0





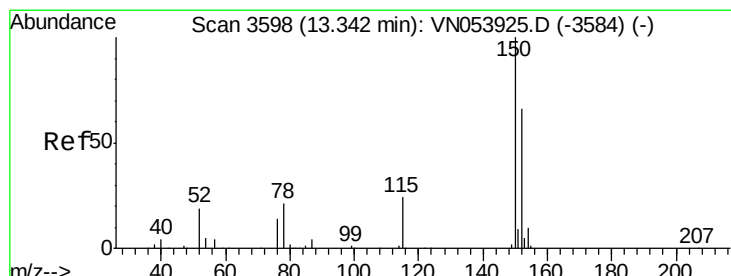
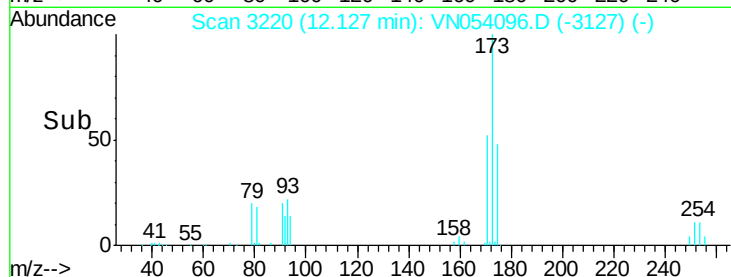
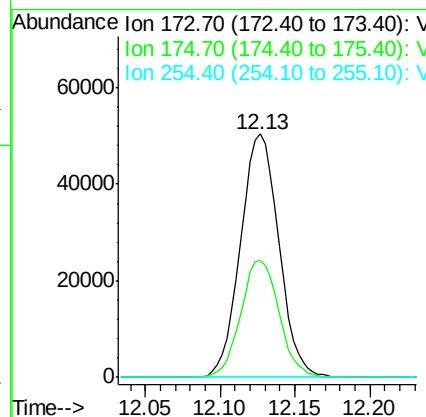
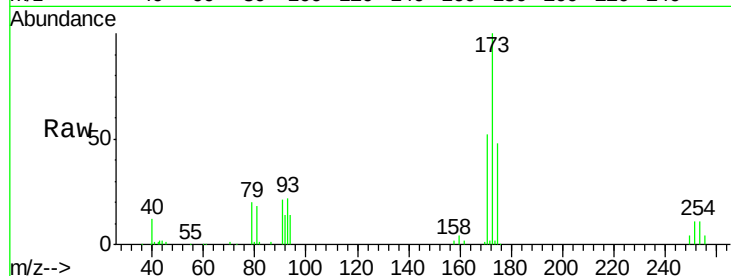
#71
Bromoform
Concen: 19.837 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.0	0.2	0.2

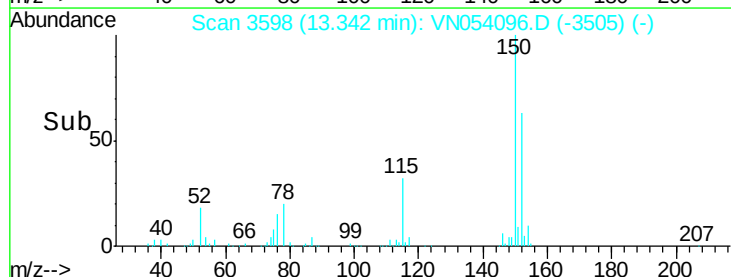
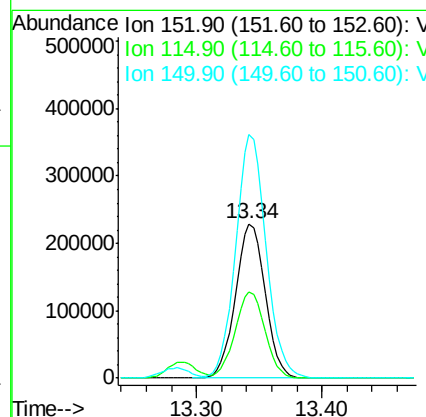
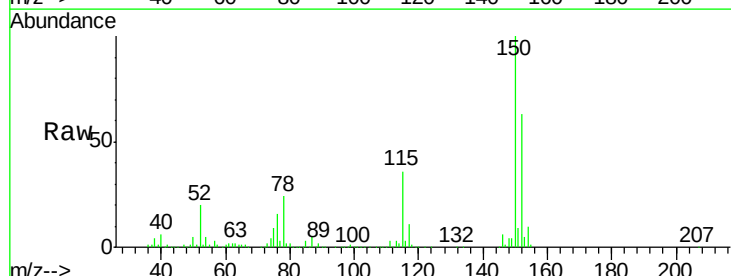
Manual Integrations
APPROVED

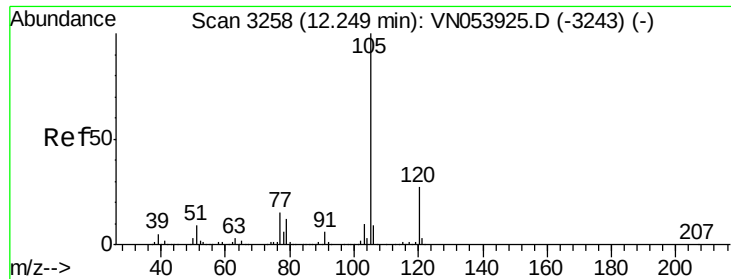
MMDadoda
3/6/2019 9:15:34 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.2	81.6
150	161.6	0.0	348.2





#73

Isopropylbenzene

Concen: 19.998 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBS01

Tot Ion: 105 Resp: 583609

Ion Ratio Lower Upper

105 100

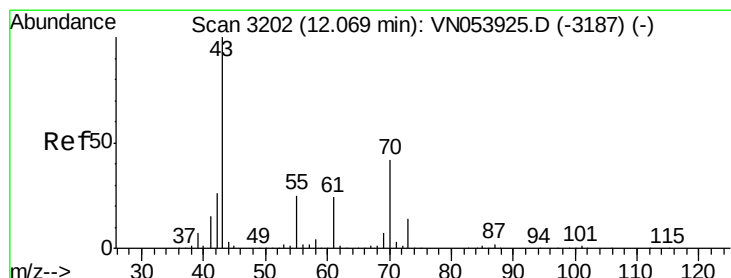
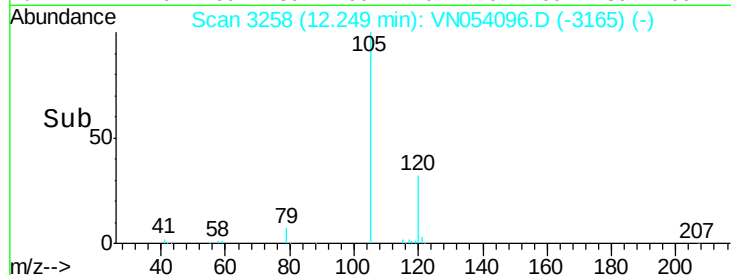
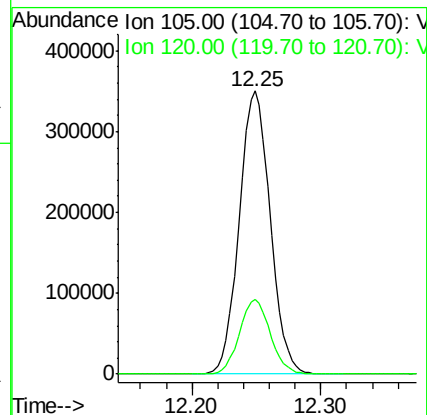
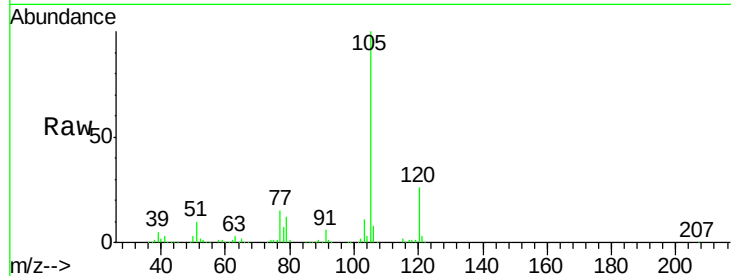
120 26.1 13.5 40.5

Manual Integrations

APPROVED

MMDadoda

3/6/2019 9:15:34 AM



#74

N-ethyl acetate

Concen: 20.126 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Tgt Ion: 43 Resp: 153940

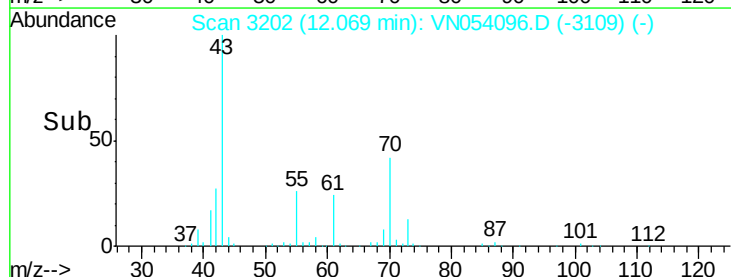
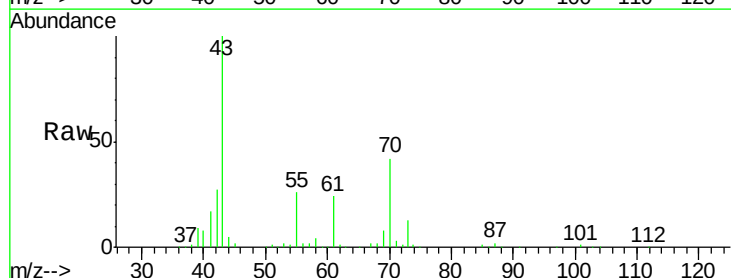
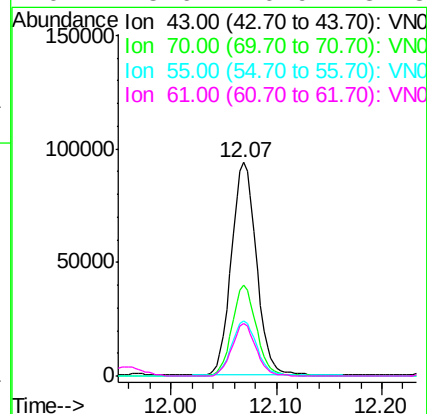
Ion Ratio Lower Upper

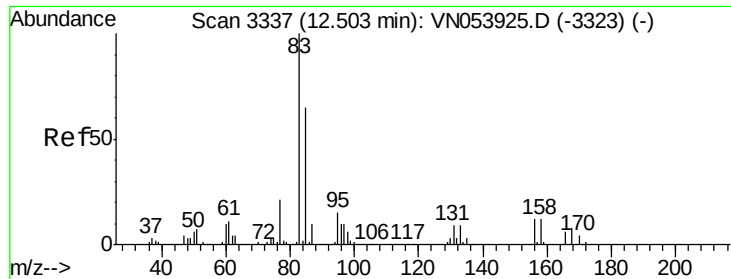
43 100

70 41.4 37.4 56.2

55 26.4 21.4 32.0

61 23.6 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.377 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

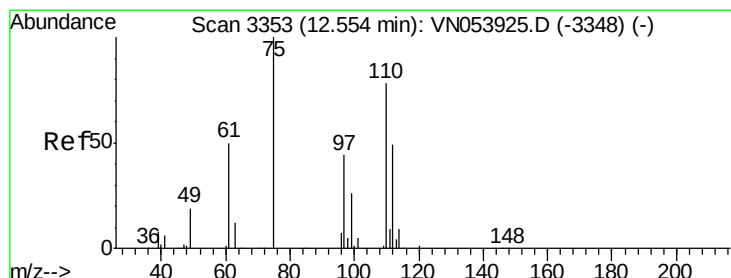
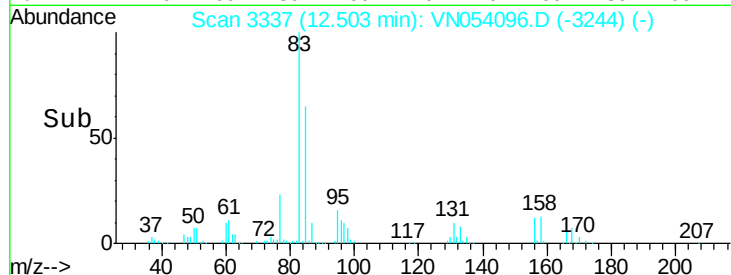
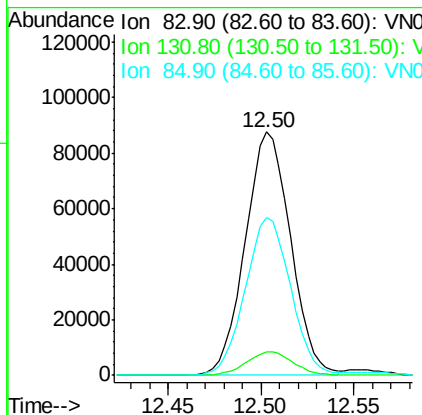
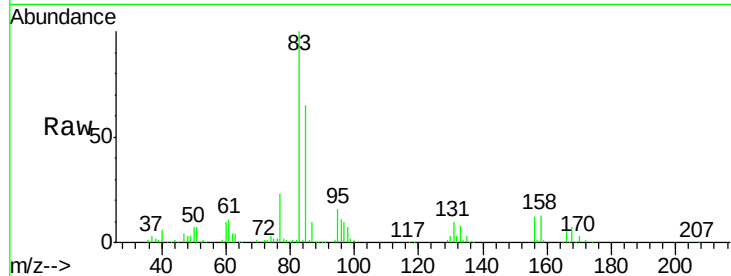
ClientSampled :

VN0305WBS01

Tot Ion:	83	Resp:	148707
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	16.1
85	64.9	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:15:34 AM



#76

1,2,3-Trichloropropane

Concen: 23.407 ug/l m

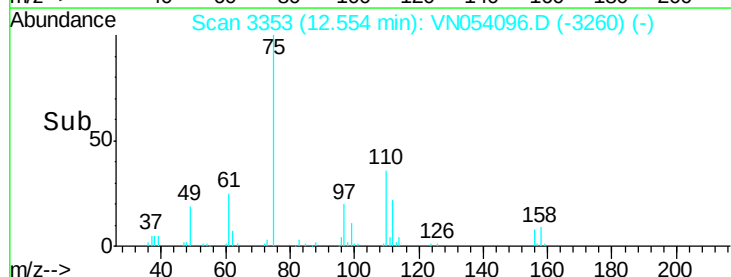
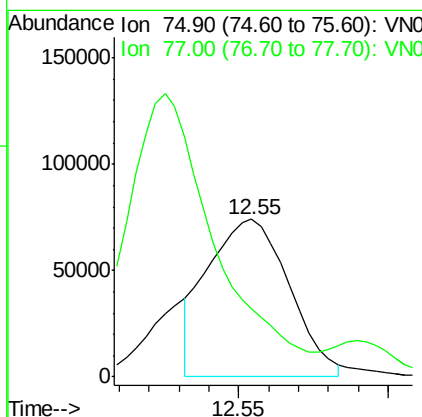
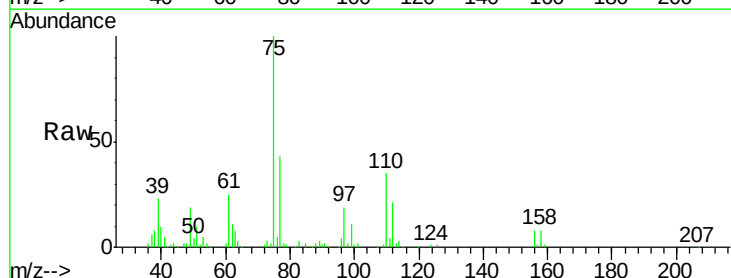
RT: 12.55 min Scan# 3353

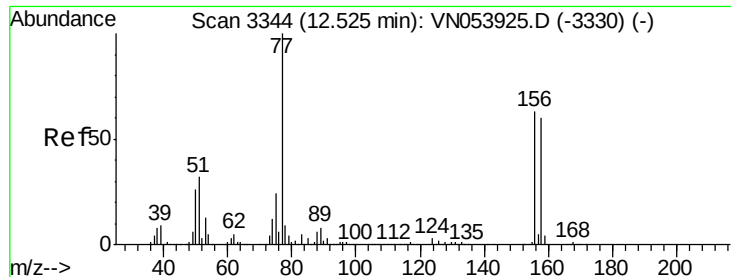
Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Tgt Ion:	75	Resp:	140773
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.605 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

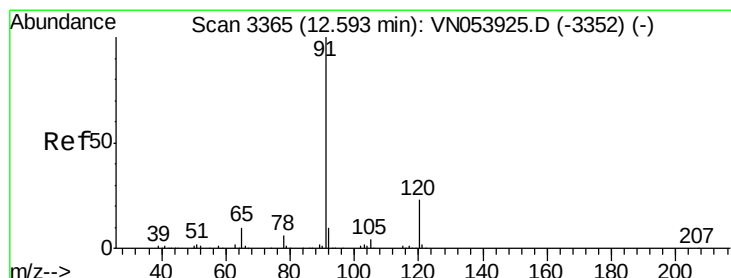
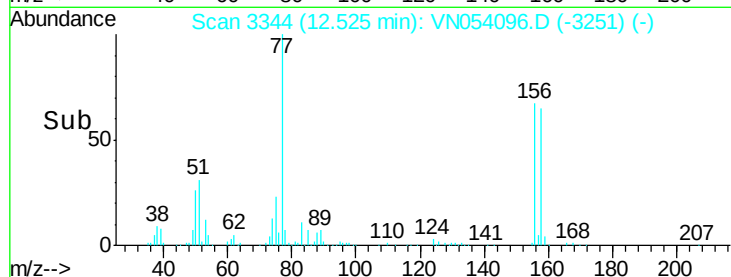
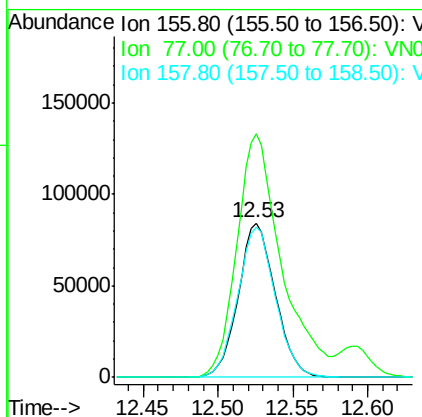
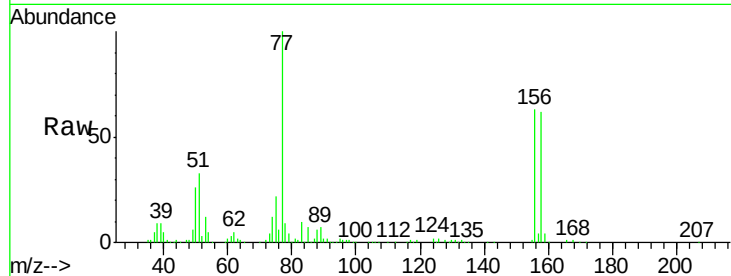
ClientSampled :

VN0305WBS01

Tot Ion:	156	Resp:	145264
Ion Ratio	Lower	Upper	
156	100		
77	191.2	84.0	252.2
158	99.3	48.5	145.6

Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:15:34 AM



#78

n-propylbenzene

Concen: 20.045 ug/l

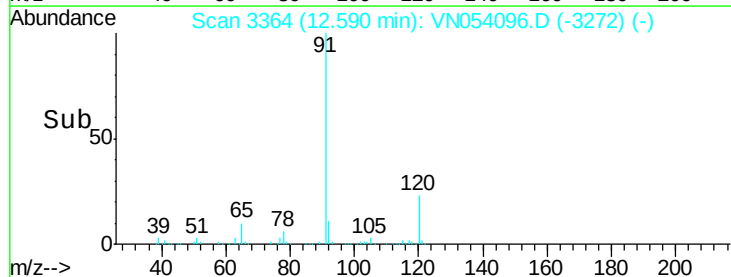
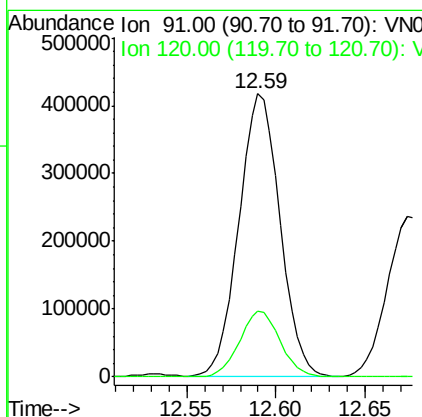
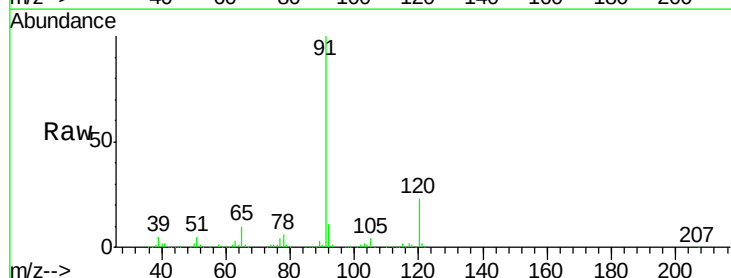
RT: 12.59 min Scan# 3364

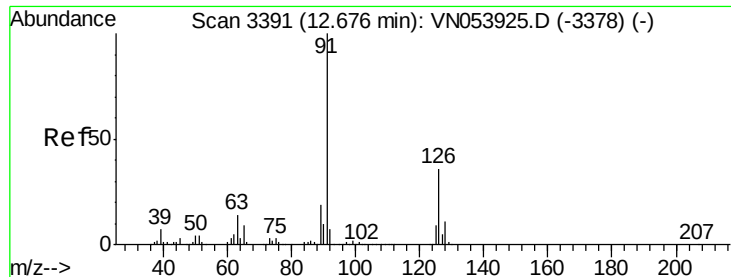
Delta R.T. -0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Tgt Ion:	91	Resp:	665280
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.9	35.9





#79

2-Chlorotoluene

Concen: 20.137 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBS01

Tot Ion: 91 Resp: 401486

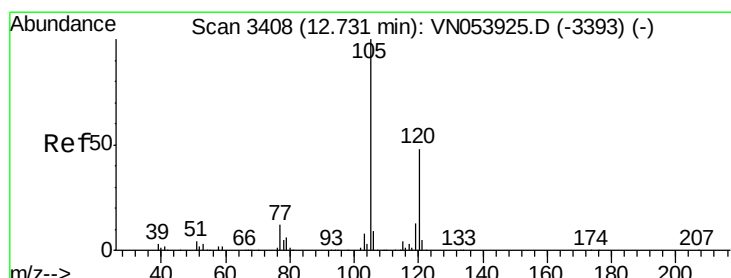
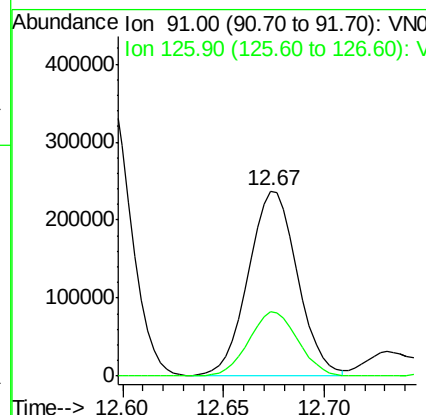
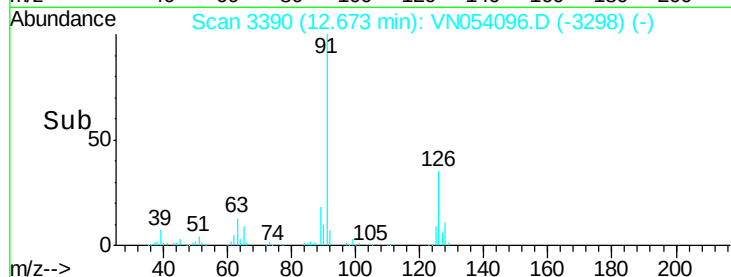
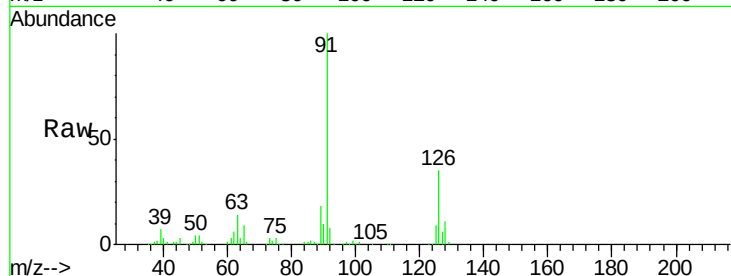
Ion Ratio Lower Upper

91 100

126 35.1 18.1 54.4

Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:15:34 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.361 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054096.D

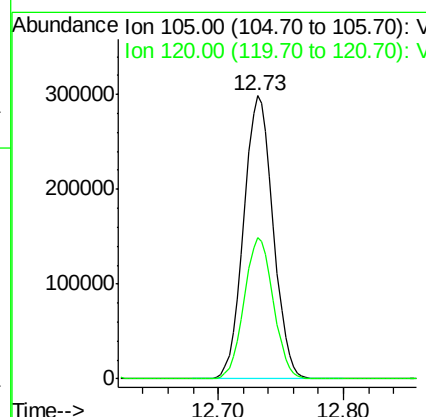
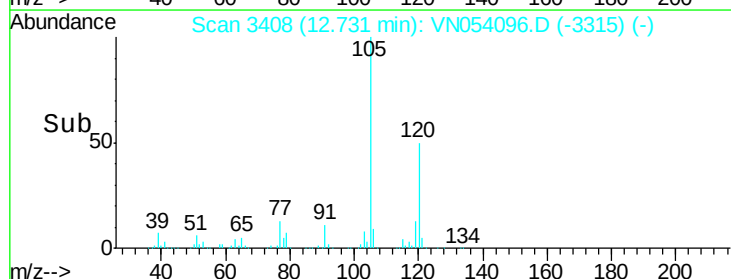
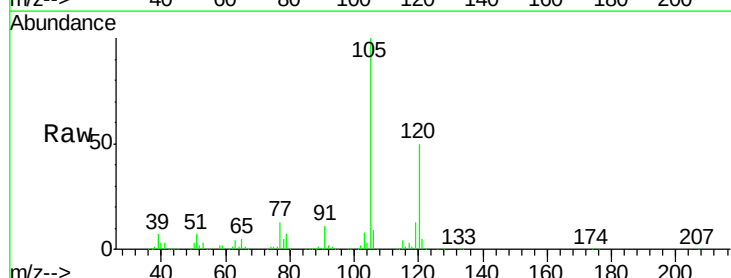
Acq: 5 Mar 2019 13:54

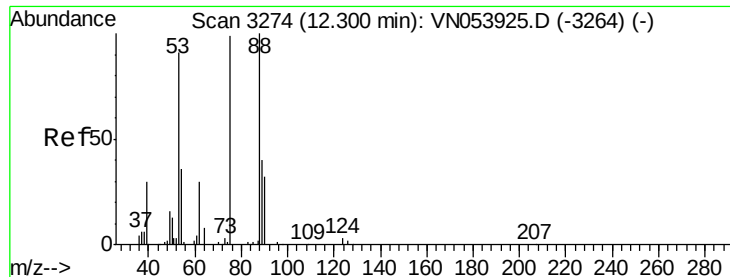
Tgt Ion: 105 Resp: 486465

Ion Ratio Lower Upper

105 100

120 49.6 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.849 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

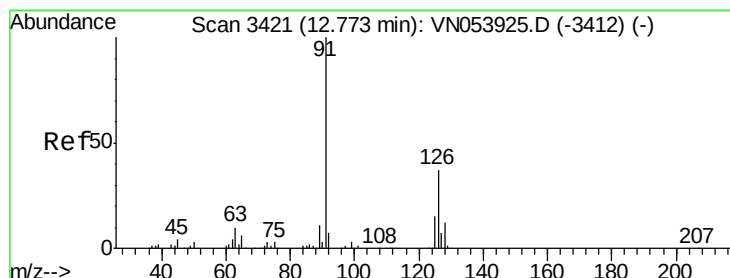
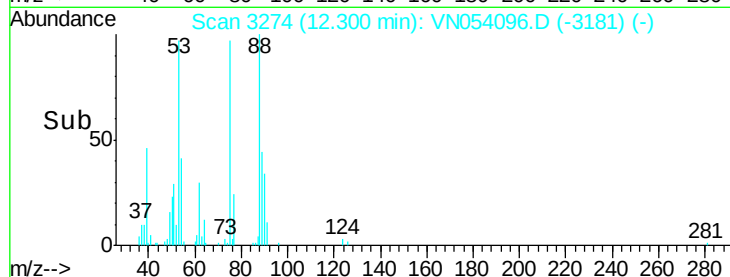
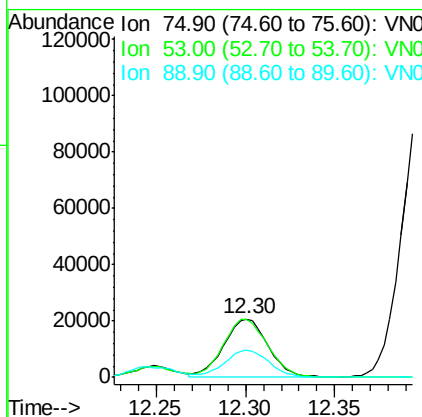
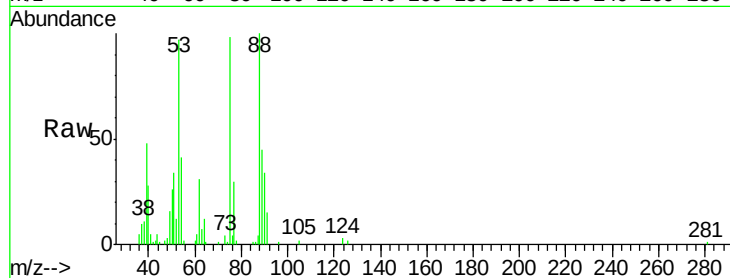
ClientSampleId :

VN0305WBS01

Tot Ion:	75	Resp:	35865
Ion	Ratio	Lower	Upper
75	100		
53	99.6	68.6	102.8
89	46.6	35.3	52.9

Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:15:34 AM



#82

4-Chlorotoluene

Concen: 20.083 ug/l

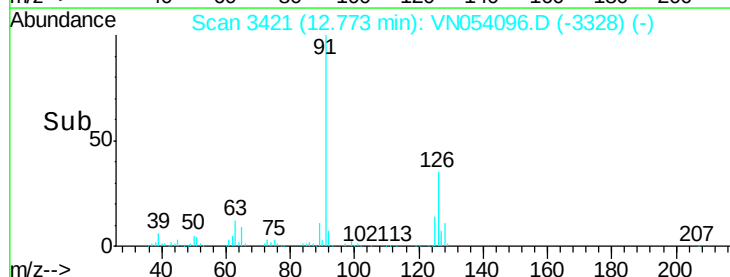
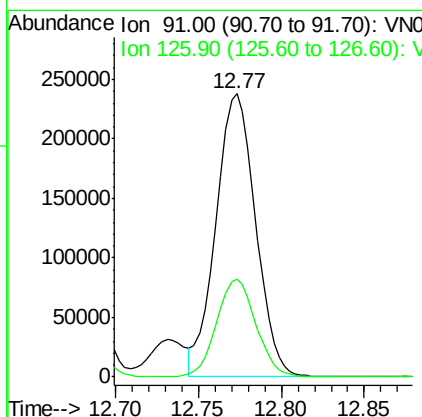
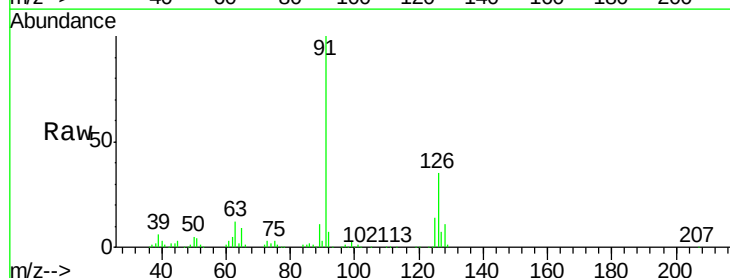
RT: 12.77 min Scan# 3421

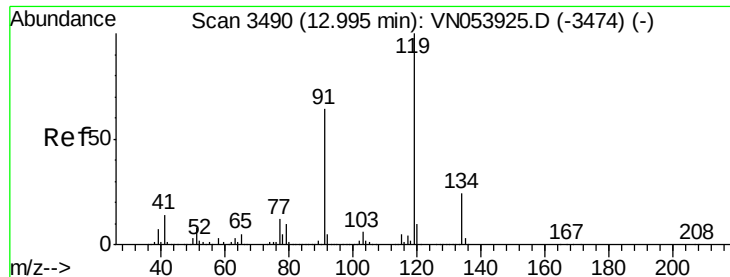
Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Tgt Ion:	91	Resp:	395736
Ion	Ratio	Lower	Upper
91	100		
126	34.3	18.0	54.0





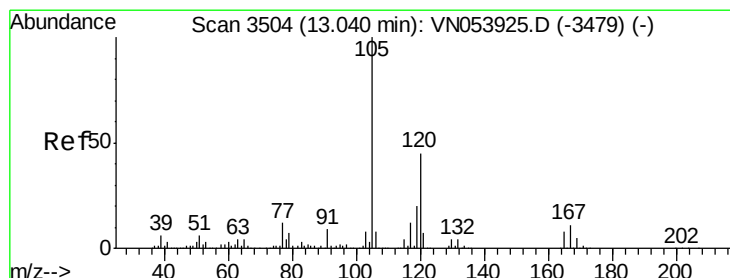
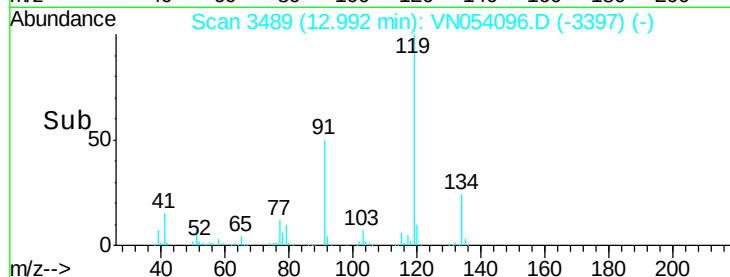
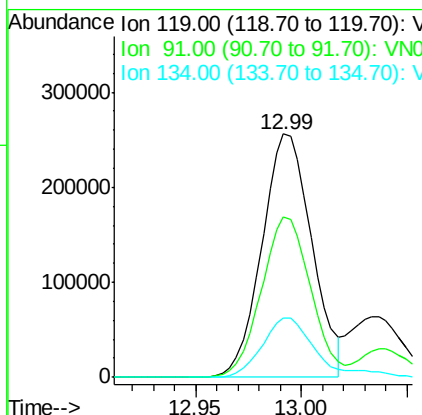
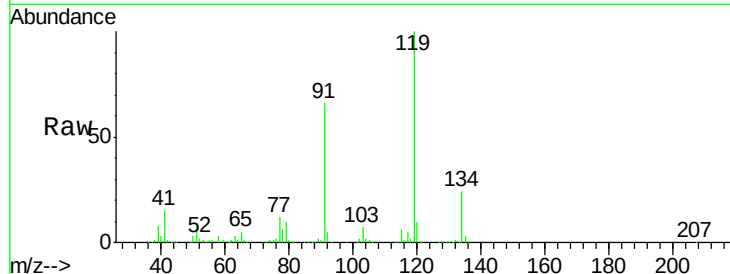
#83
 tert-Butylbenzene
 Concen: 19.973 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	30.6	91.8
134	26.4	13.0	39.0

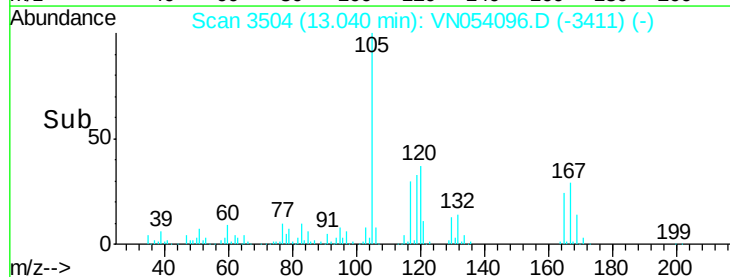
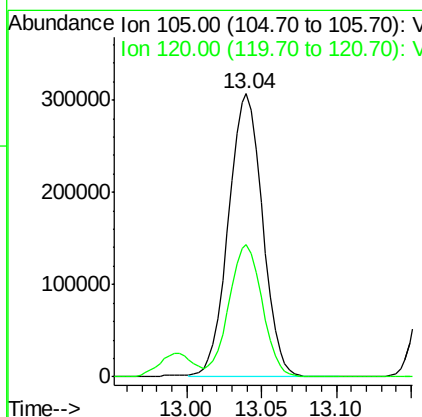
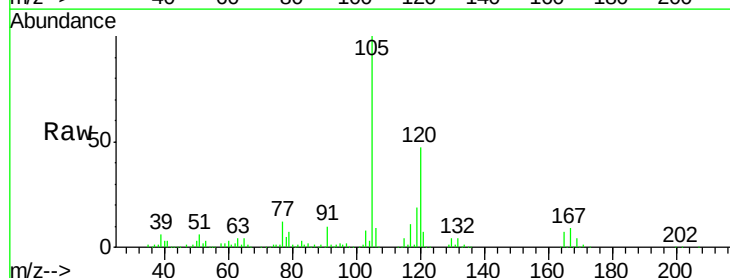
Manual Integrations
 APPROVED

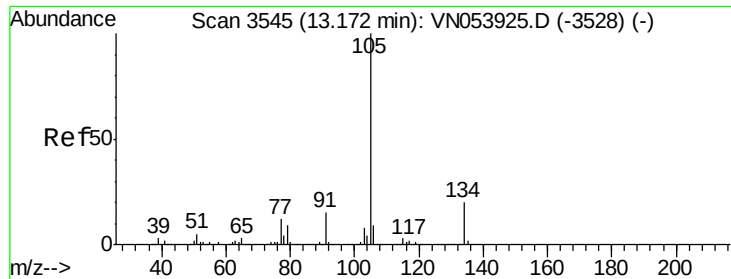
MMDadoda
 3/6/2019 9:15:34 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.352 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.2	69.5





#85

sec-Butylbenzene

Concen: 20.137 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

Instrument :

MSVOA_N

ClientSampled :

VN0305WBS01

Tot Ion:105 Resp: 581167

Ion Ratio Lower Upper

105 100

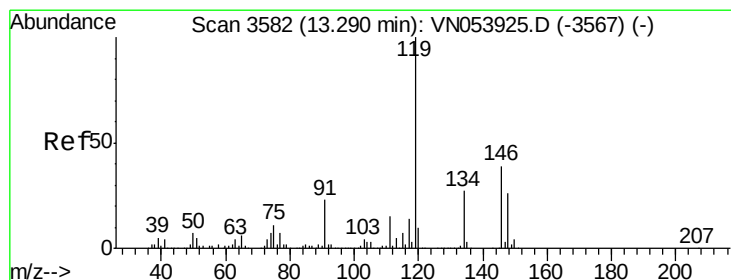
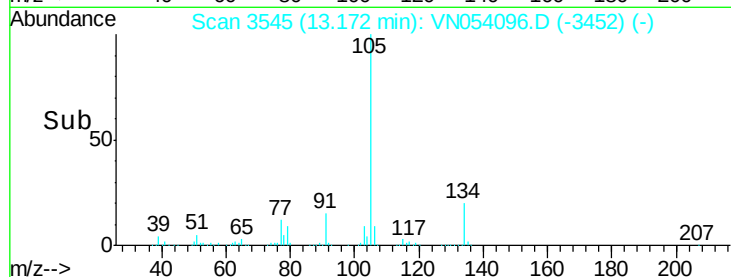
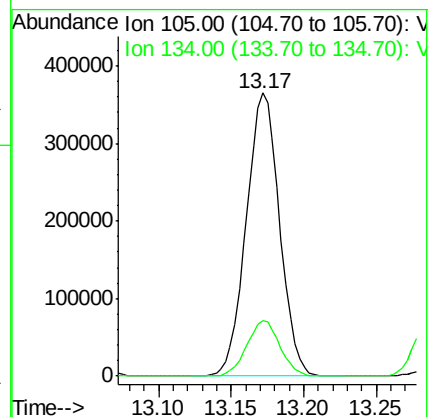
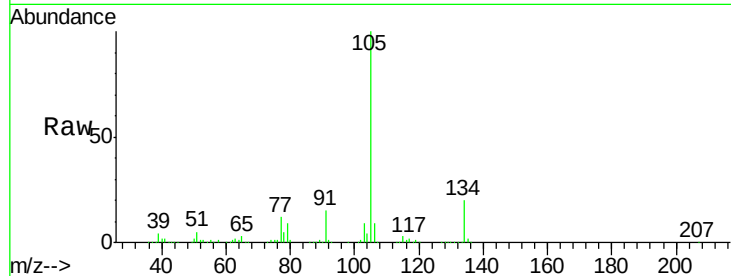
134 19.6 10.4 31.1

Manual Integrations

APPROVED

MMDadoda

3/6/2019 9:15:34 AM



#86

p-Isopropyltoluene

Concen: 19.772 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054096.D

Acq: 5 Mar 2019 13:54

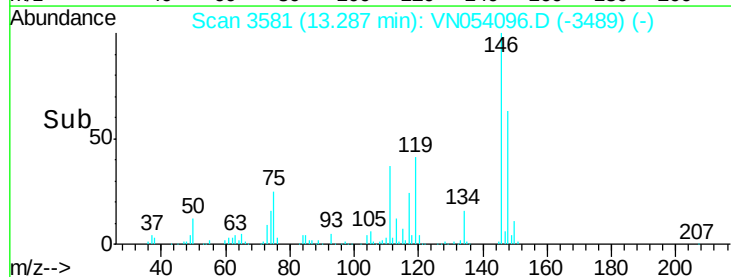
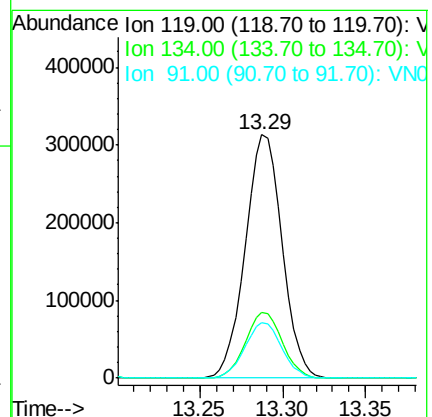
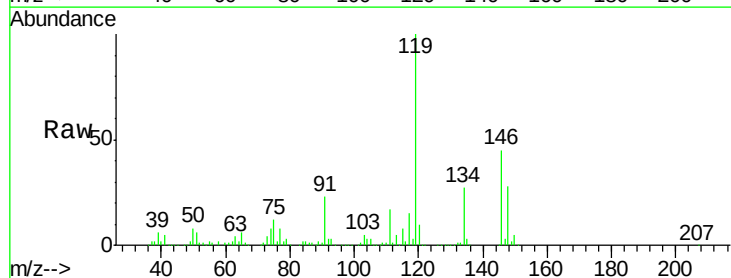
Tgt Ion:119 Resp: 482401

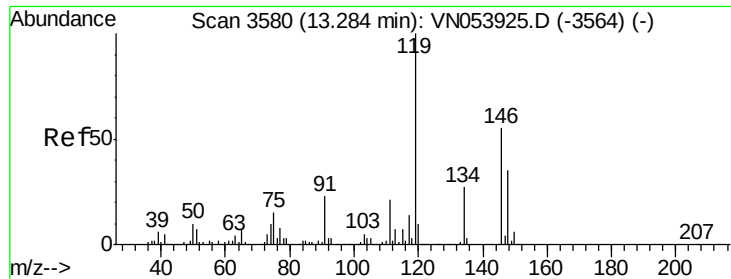
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 22.8 10.9 32.6





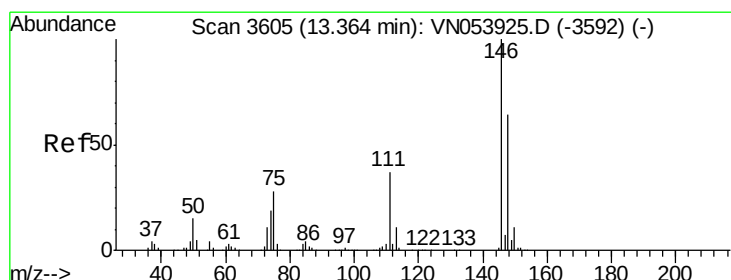
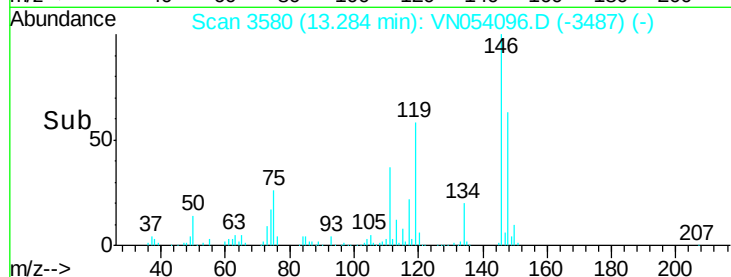
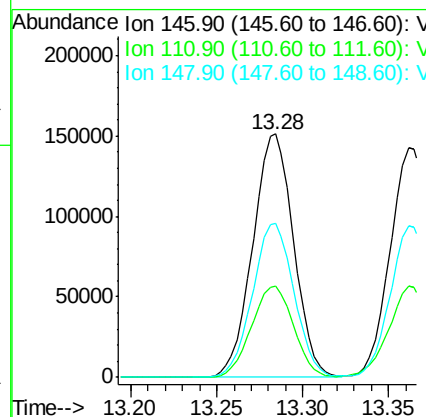
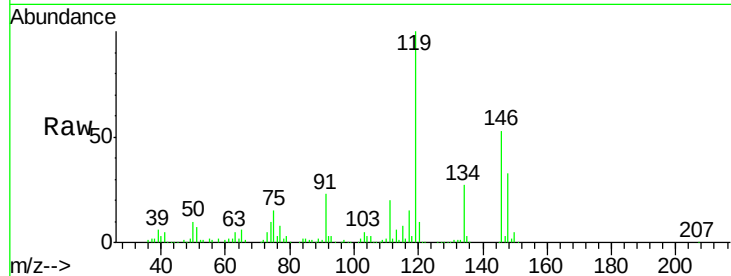
#87
 1,3-Dichlorobenzene
 Concen: 19.454 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	249355		
111	38.5	18.7	56.1	
148	64.1	32.0	96.2	

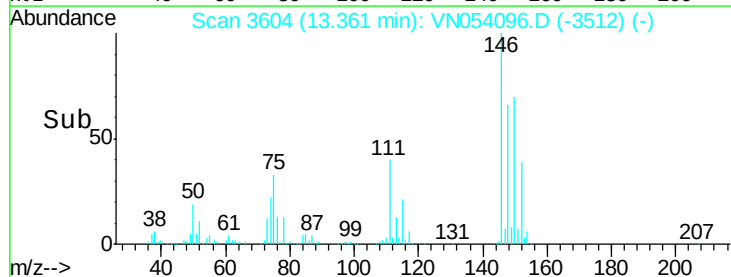
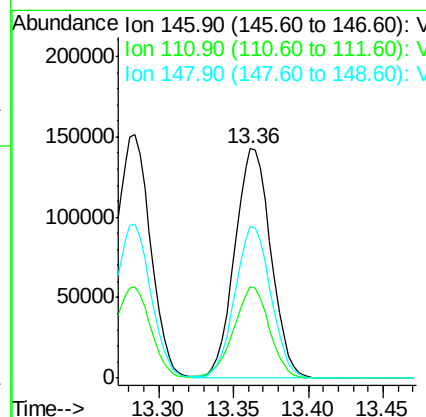
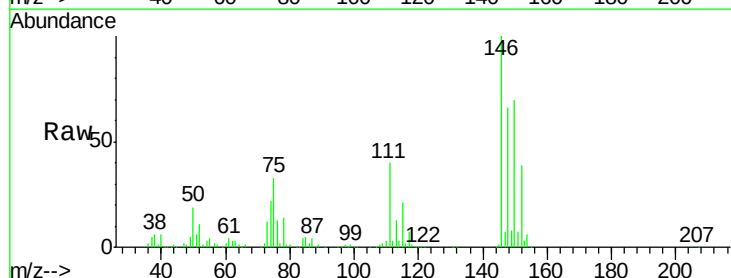
Manual Integrations
 APPROVED

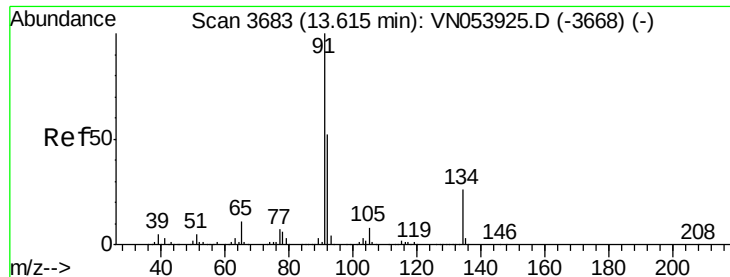
MMDadoda
 3/6/2019 9:15:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.293 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	239920		
111	39.6	18.0	54.0	
148	65.8	32.1	96.5	





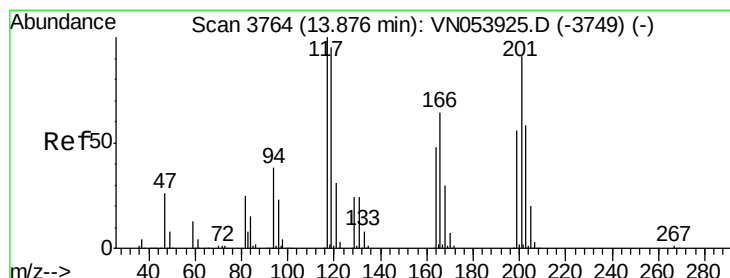
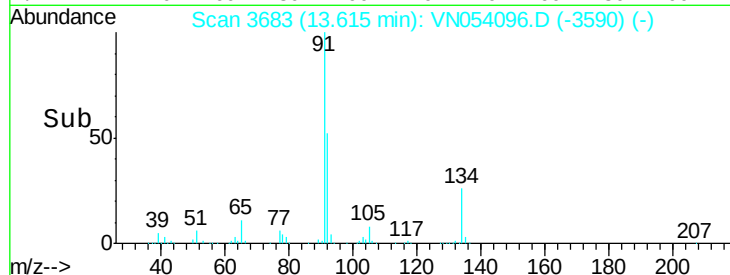
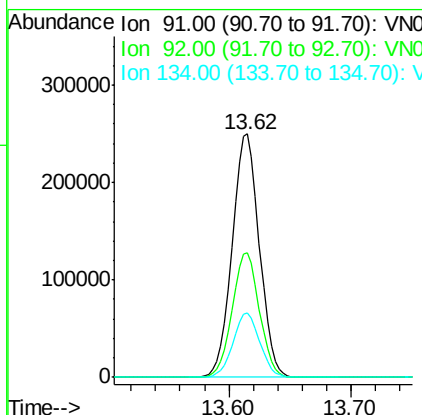
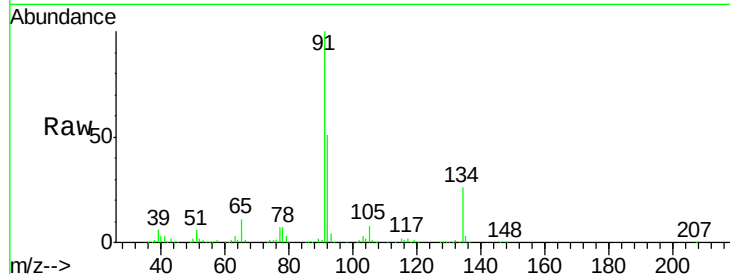
#89
n-Butylbenzene
Concen: 18.822 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.1	78.2
134	26.0	13.6	40.8

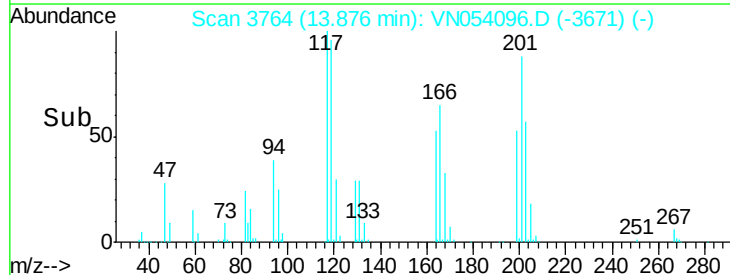
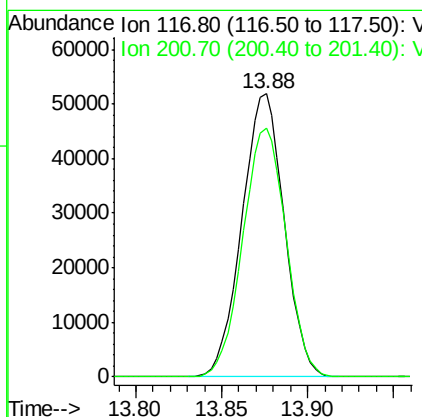
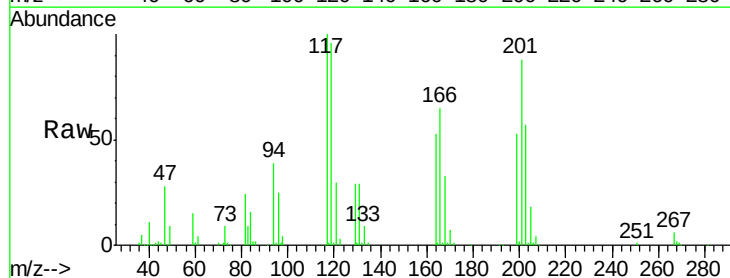
Manual Integrations
APPROVED

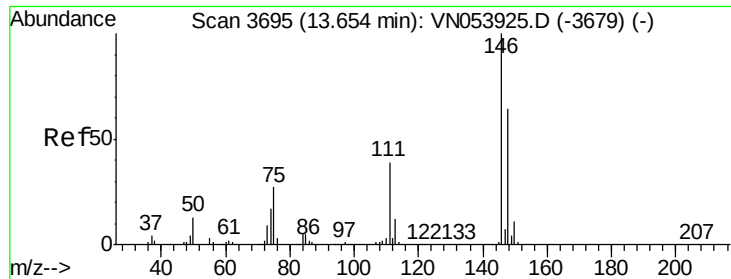
MMDadoda
3/6/2019 9:15:34 AM



#90
Hexachloroethane
Concen: 18.711 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.8	48.0	144.2





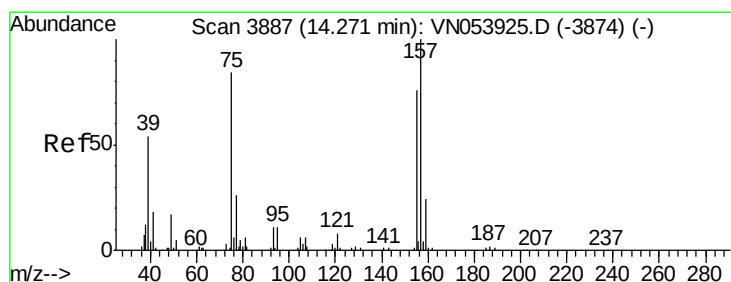
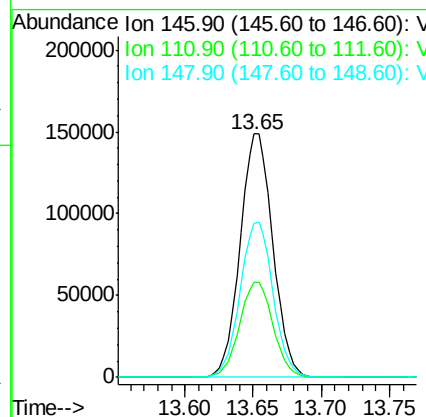
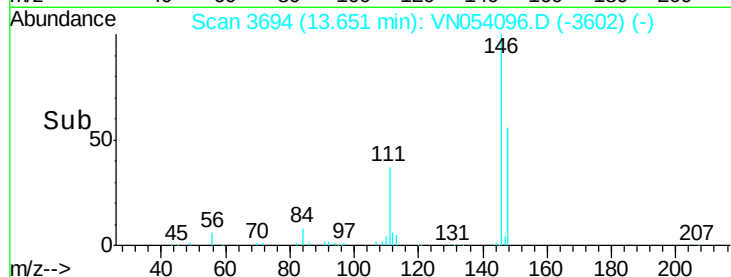
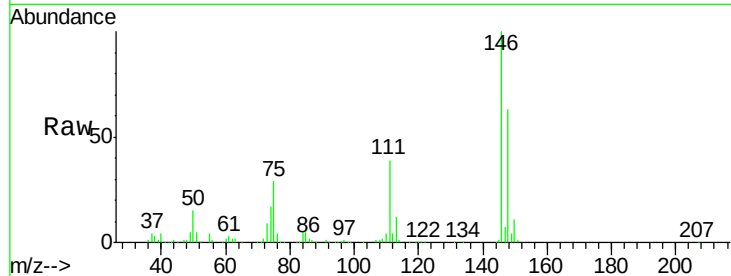
#91
 1,2-Dichlorobenzene
 Concen: 19.974 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.1	57.5
148	64.0	32.1	96.5

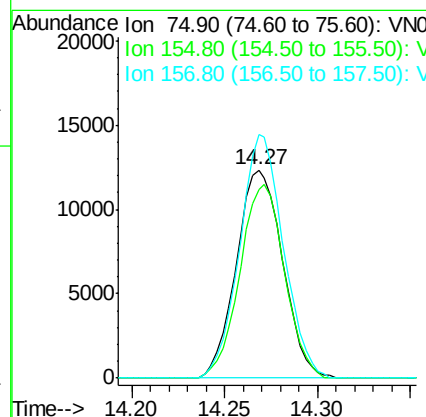
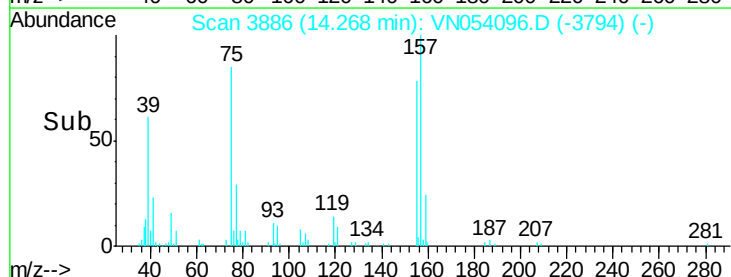
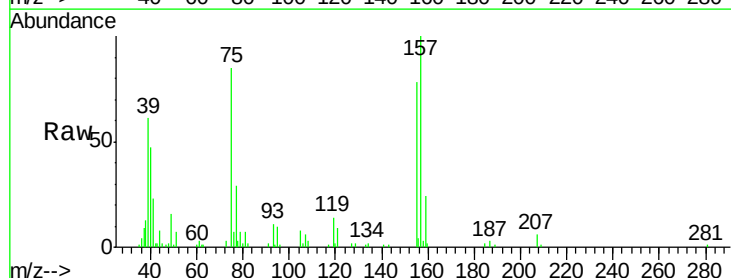
Manual Integrations
 APPROVED

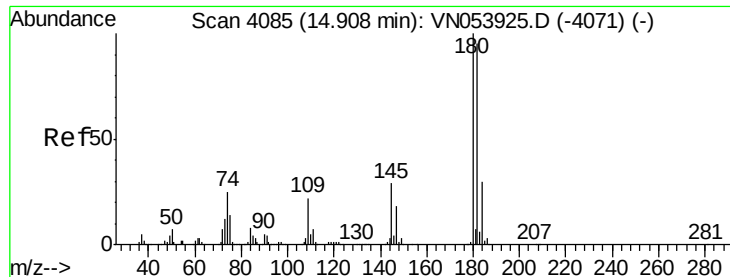
MMDadoda
 3/6/2019 9:15:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.719 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054096.D
 Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.4	49.5	148.5
157	110.8	64.8	194.6





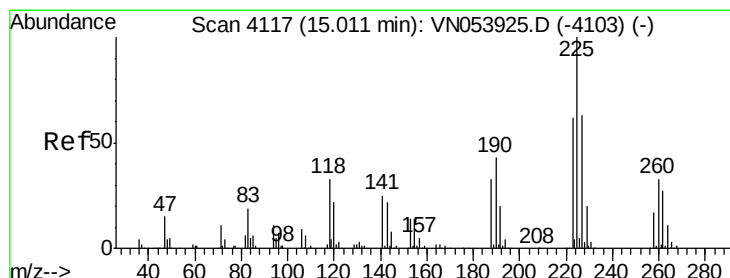
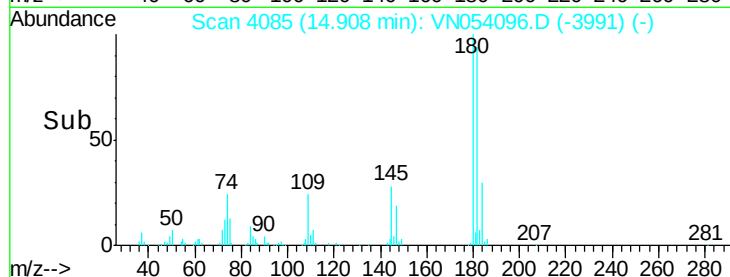
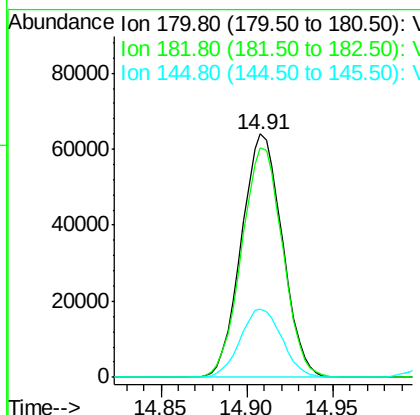
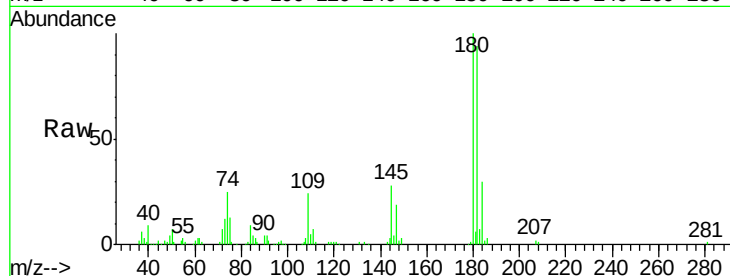
#93
1,2,4-Trichlorobenzene
Concen: 16.931 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampled :
VN0305WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106070		
182	94.6		48.6	145.9
145	28.5		13.8	41.3

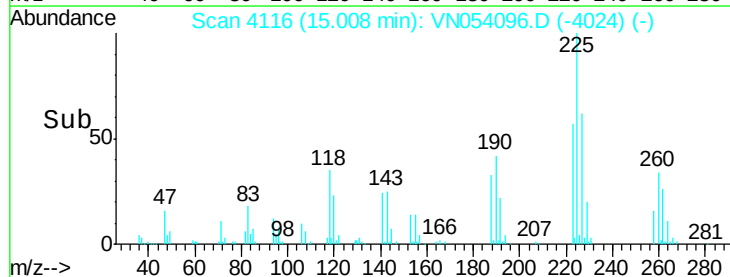
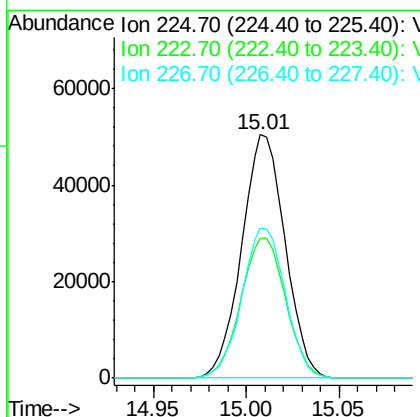
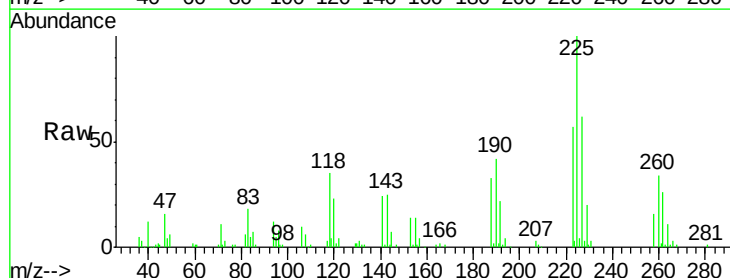
Manual Integrations
APPROVED

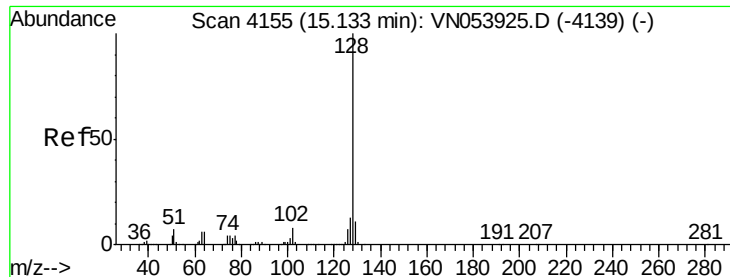
MMDadoda
3/6/2019 9:15:34 AM



#94
Hexachlorobutadiene
Concen: 18.402 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82478		
223	59.4		30.9	92.5
227	62.0		32.5	97.4





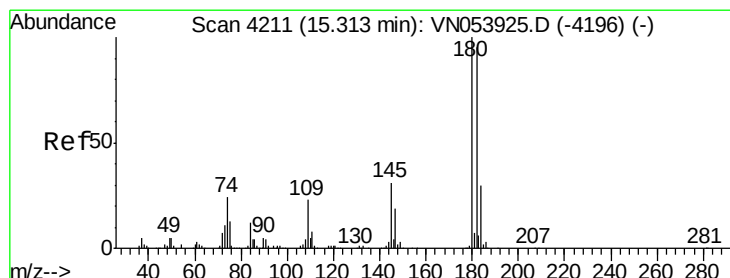
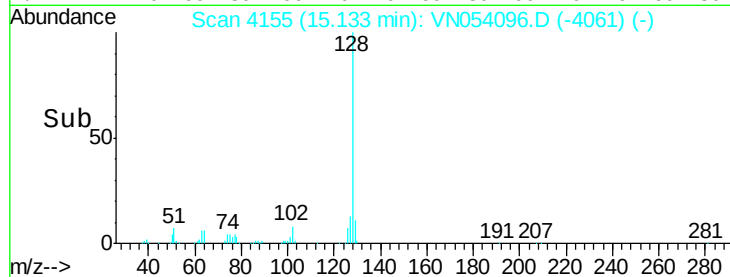
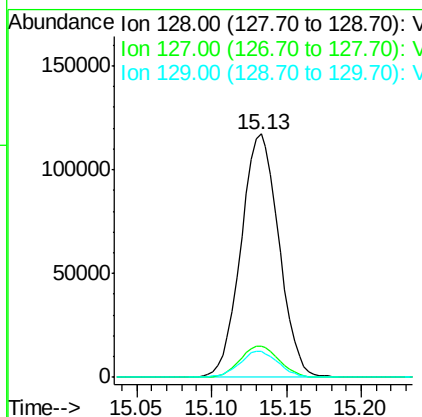
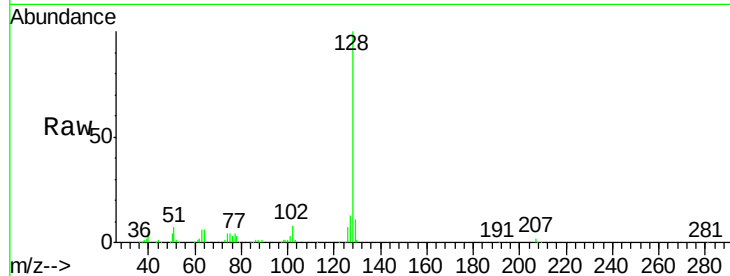
#95
Naphthalene
Concen: 16.245 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:15:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.549 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054096.D
Acq: 5 Mar 2019 13:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	141.8
145	30.9	14.4	43.0

