

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054659.D
 Acq On : 25 Mar 2019 9:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:32:42 PM

Quant Time: Mar 26 01:42:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	430448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	673825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	271943	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	267478	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	7.59	113	214805	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
50) Toluene-d8	10.09	98	808336	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.40	95	279349	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	224780	54.625	ug/l	99
3) Chloromethane	2.06	50	292606	52.263	ug/l	97
4) Vinyl Chloride	2.19	62	272843	48.539	ug/l	98
5) Bromomethane	2.57	94	156763	43.129	ug/l	98
6) Chloroethane	2.71	64	156574	46.440	ug/l	99
7) Trichlorofluoromethane	3.02	101	349550	51.205	ug/l	100
8) Diethyl Ether	3.41	74	113092	43.076	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	189867	47.326	ug/l	93
10) Methyl Iodide	3.94	142	266579	45.171	ug/l #	89
11) Tert butyl alcohol	4.81	59	72817	224.641	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	182835	44.037	ug/l #	76
13) Acrolein	3.61	56	58798	131.443	ug/l	99
14) Allyl chloride	4.32	41	421853	53.958	ug/l #	92
15) Acrylonitrile	4.99	53	417538	258.661	ug/l	100
16) Acetone	3.82	43	526842	327.290	ug/l #	82
17) Carbon Disulfide	4.04	76	530184	47.659	ug/l	100
18) Methyl Acetate	4.33	43	185255	51.634	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	614137	50.685	ug/l	97
20) Methylene Chloride	4.55	84	237337	50.017	ug/l #	82
21) trans-1,2-Dichloroethene	5.03	96	219781	51.841	ug/l #	84
22) Diisopropyl ether	5.96	45	859458	55.732	ug/l #	94
23) Vinyl Acetate	5.90	43	2985589	274.122	ug/l #	93
24) 1,1-Dichloroethane	5.84	63	450374	54.241	ug/l	98
25) 2-Butanone	6.84	43	634580	307.745	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	329235	55.624	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	256997	50.823	ug/l	88
28) Bromochloromethane	7.19	49	223540	54.695	ug/l #	71
29) Tetrahydrofuran	7.22	42	344162	257.197	ug/l #	84
30) Chloroform	7.37	83	433747	53.528	ug/l	98
31) Cyclohexane	7.65	56	427504	53.876	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	361664	54.099	ug/l	95
36) 1,1-Dichloropropene	7.79	75	334731	53.129	ug/l	95
37) Ethyl Acetate	6.93	43	235000	52.444	ug/l #	93
38) Carbon Tetrachloride	7.77	117	315384	51.512	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054659.D
 Acq On : 25 Mar 2019 9:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:32:42 PM

Quant Time: Mar 26 01:42:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	378918	52.577	ug/l	89
40) Benzene	8.04	78	960404	53.308	ug/l	100
41) Methacrylonitrile	7.17	41	134639	49.269	ug/l	87
42) 1,2-Dichloroethane	8.12	62	344070	52.441	ug/l	97
43) Isopropyl Acetate	8.17	43	398650	52.677	ug/l #	93
44) Trichloroethene	8.83	130	256168	51.143	ug/l	93
45) 1,2-Dichloropropane	9.12	63	270676	55.951	ug/l	99
46) Dibromomethane	9.21	93	151342	52.439	ug/l	89
47) Bromodichloromethane	9.40	83	328373	54.824	ug/l	97
48) Methyl methacrylate	9.20	41	209133	50.915	ug/l	88
49) 1,4-Dioxane	9.20	88	42982	936.028	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1131912	269.883	ug/l	93
52) Toluene	10.15	92	583231	52.635	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	312990	49.557	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	385624	56.151	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	209545	52.608	ug/l	97
56) Ethyl methacrylate	10.43	69	278664	52.124	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	370609	53.526	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	505909	229.810	ug/l	89
59) 2-Hexanone	10.75	43	807081	294.605	ug/l	91
60) Dibromochloromethane	10.90	129	228697	53.958	ug/l	100
61) 1,2-Dibromoethane	11.00	107	204537	51.942	ug/l	100
64) Tetrachloroethene	10.63	164	253763	51.003	ug/l	95
65) Chlorobenzene	11.43	112	619120	50.748	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	232837	53.172	ug/l	100
67) Ethyl Benzene	11.51	91	1130842	52.474	ug/l	98
68) m/p-Xylenes	11.62	106	844889	103.505	ug/l	95
69) o-Xylene	11.95	106	414620	52.011	ug/l	97
70) Styrene	11.96	104	695170	53.699	ug/l	97
71) Bromoform	12.13	173	139143	46.263	ug/l #	99
73) Isopropylbenzene	12.25	105	1081704	49.362	ug/l	99
74) N-amyl acetate	12.07	43	337730	53.600	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	246964	49.369	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	224167m	51.947	ug/l	
77) Bromobenzene	12.53	156	267980	49.307	ug/l	86
78) n-propylbenzene	12.59	91	1241235	52.235	ug/l	96
79) 2-Chlorotoluene	12.67	91	744131	50.218	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	912359	50.799	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	60062	48.110	ug/l	85
82) 4-Chlorotoluene	12.77	91	750742	52.268	ug/l	96
83) tert-Butylbenzene	12.99	119	770982	49.316	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	894059	50.733	ug/l	98
85) sec-Butylbenzene	13.17	105	997465	51.182	ug/l	97
86) p-Isopropyltoluene	13.29	119	899362	51.583	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	465618	51.698	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	449875	51.338	ug/l	97
89) n-Butylbenzene	13.61	91	759036	55.675	ug/l	98
90) Hexachloroethane	13.87	117	145103	53.615	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	450212	51.608	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37495	51.102	ug/l	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
Data File : VN054659.D
Acq On : 25 Mar 2019 9:07
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
3/26/2019 12:32:42 PM

Quant Time: Mar 26 01:42:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	232906	53.557	ug/l	99
94) Hexachlorobutadiene	15.01	225	144584	59.653	ug/l	98
95) Naphthalene	15.13	128	470195	48.473	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	220237	50.884	ug/l	98

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

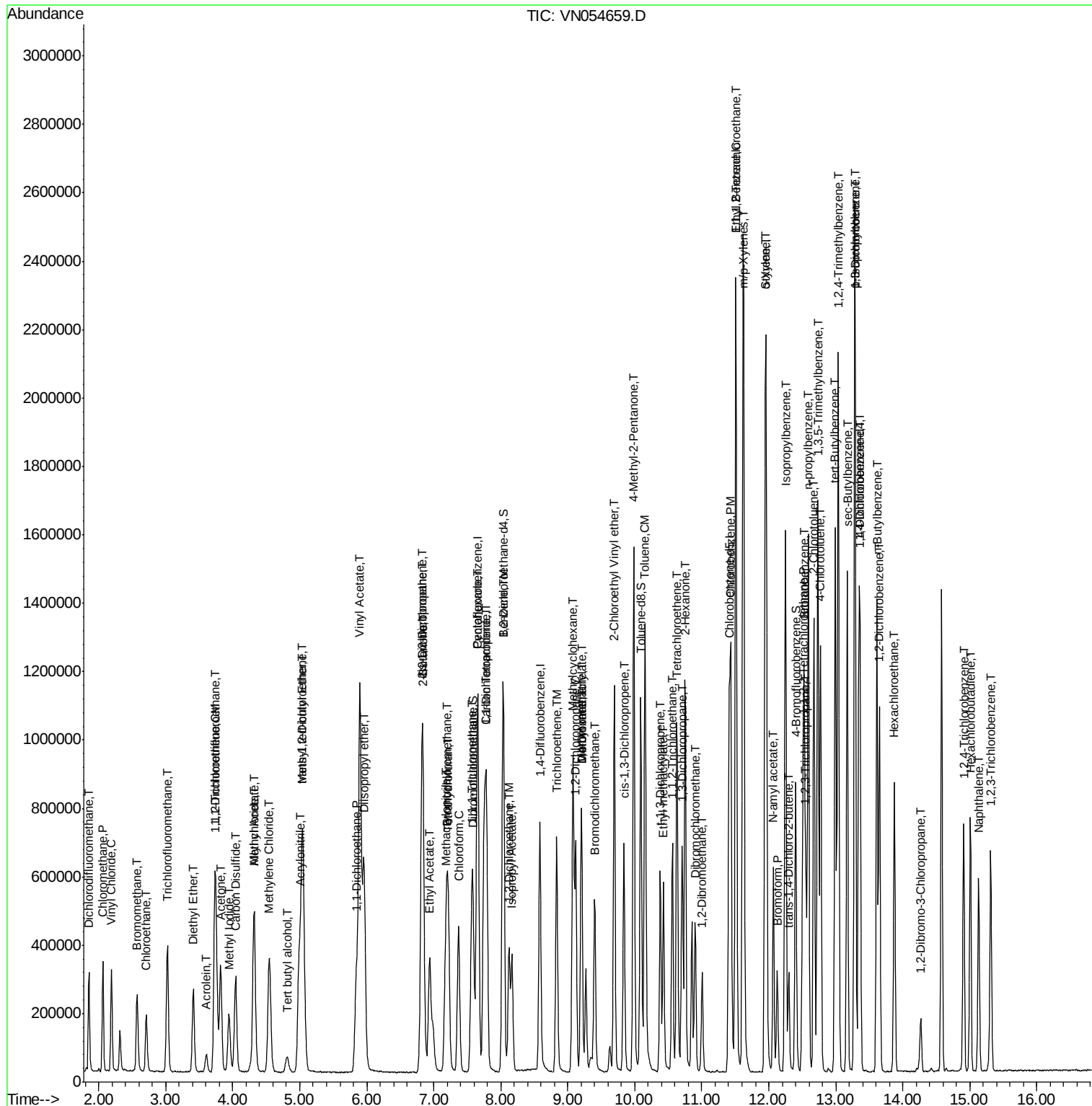
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
Data File : VN054659.D
Acq On : 25 Mar 2019 9:07
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

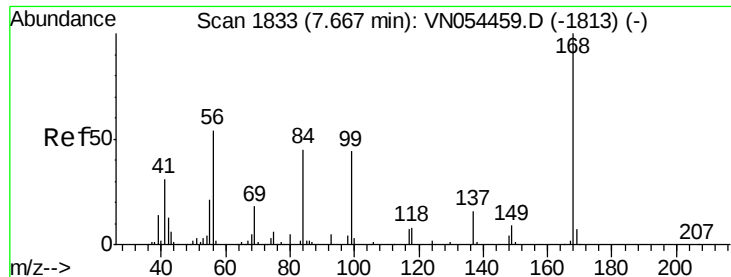
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
3/26/2019 12:32:42 PM

Quant Time: Mar 26 01:42:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 430448

Ion Ratio Lower Upper

168 100

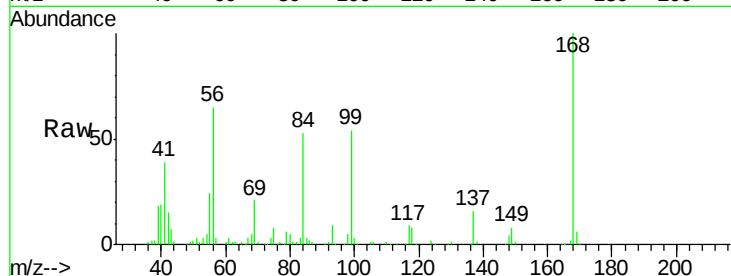
99 52.7 37.1 55.7

Manual Integrations

APPROVED

MMDadoda

3/26/2019 12:32:42 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

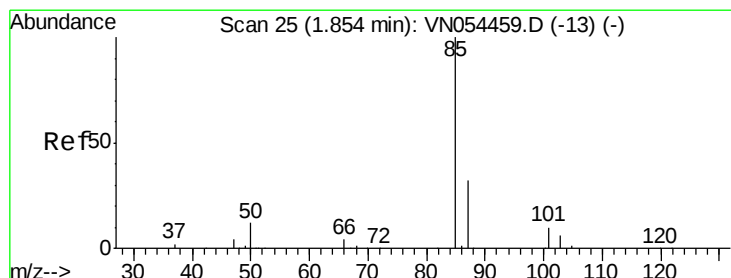
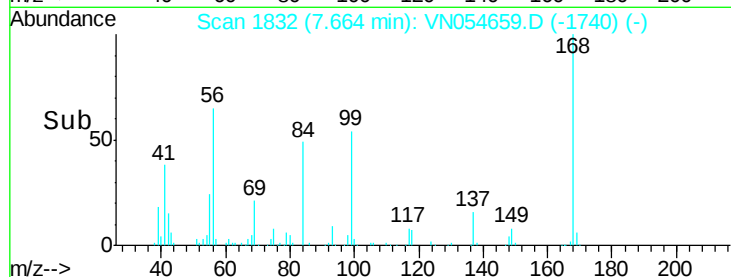
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 54.625 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054659.D

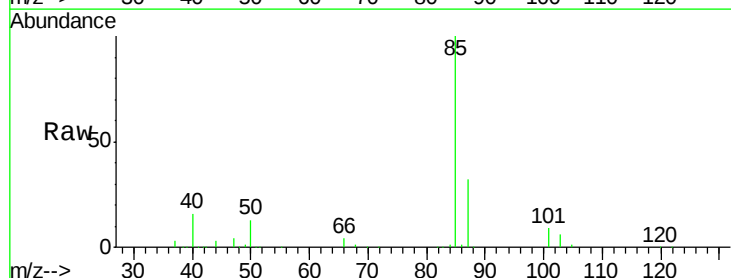
Acq: 25 Mar 2019 9:07

Tgt Ion: 85 Resp: 224780

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

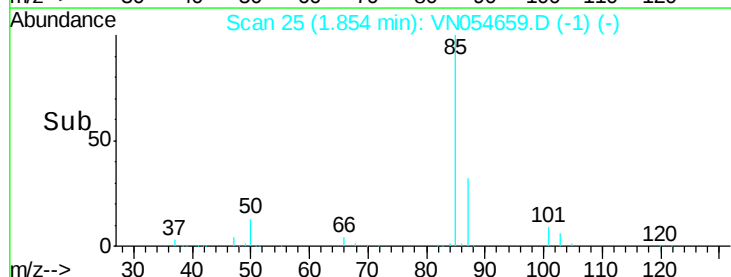
150000

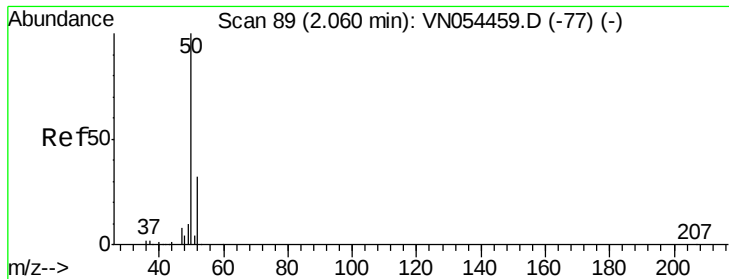
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 52.263 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 292606

Ion Ratio Lower Upper

50 100

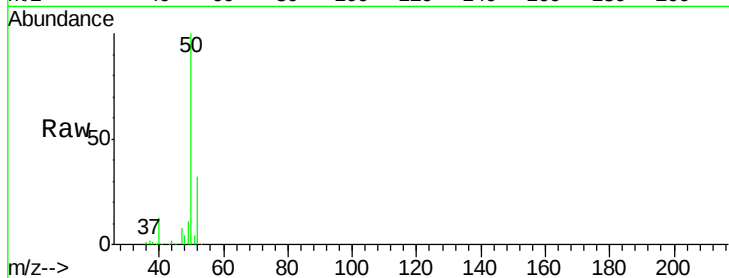
52 31.6 26.4 39.6

Manual Integrations

APPROVED

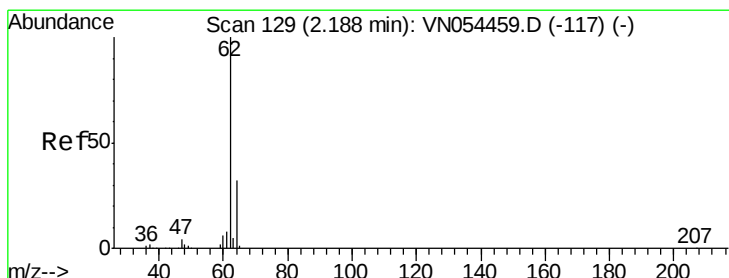
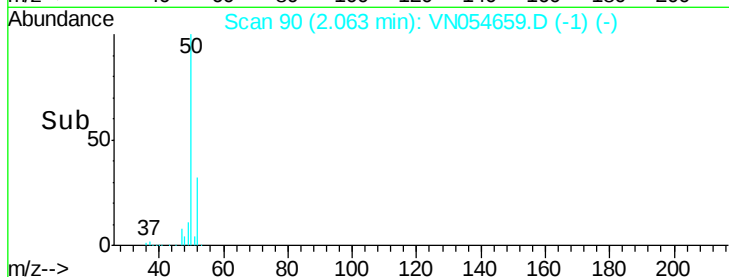
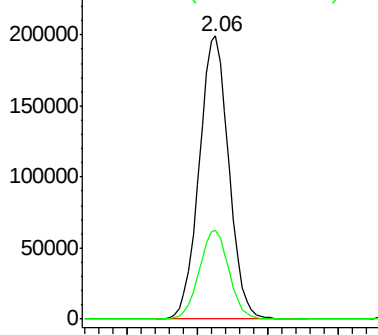
MMDadoda

3/26/2019 12:32:42 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.539 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054659.D

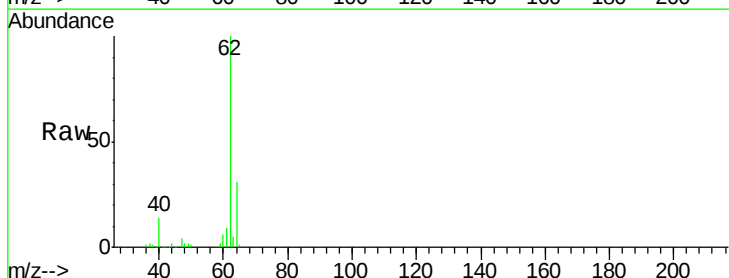
Acq: 25 Mar 2019 9:07

Tgt Ion: 62 Resp: 272843

Ion Ratio Lower Upper

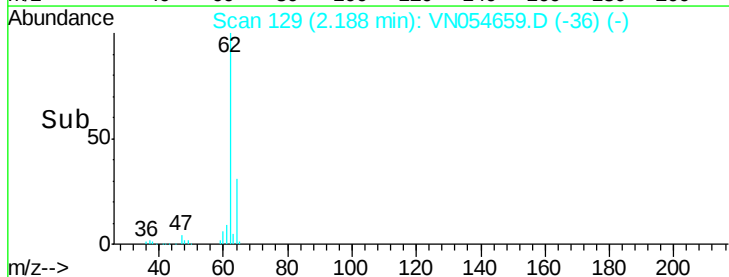
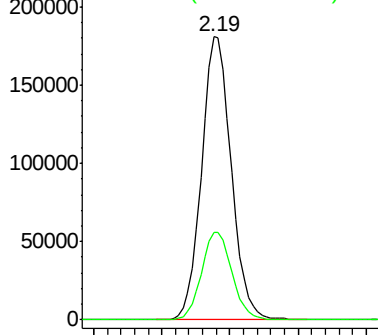
62 100

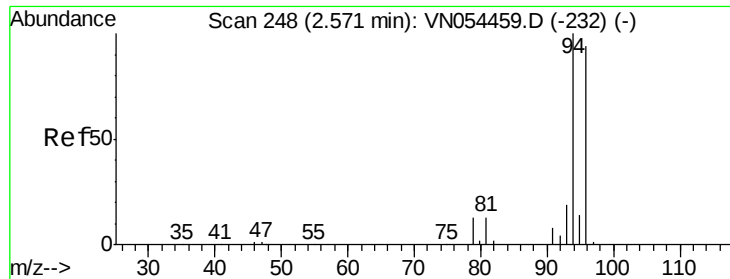
64 31.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 43.129 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 156763

Ion Ratio Lower Upper

94 100

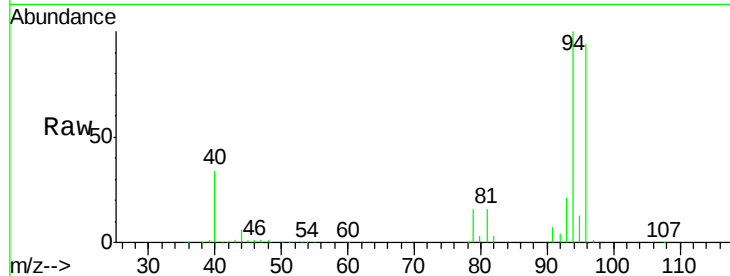
96 94.1 77.0 115.4

Manual Integrations

APPROVED

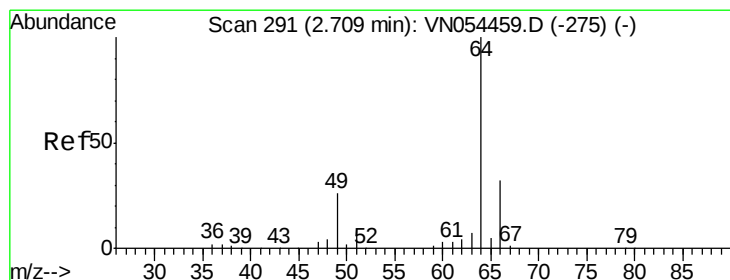
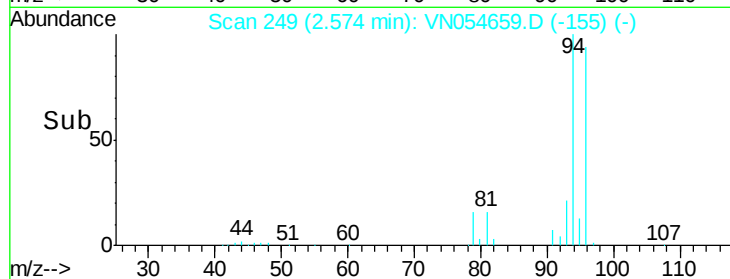
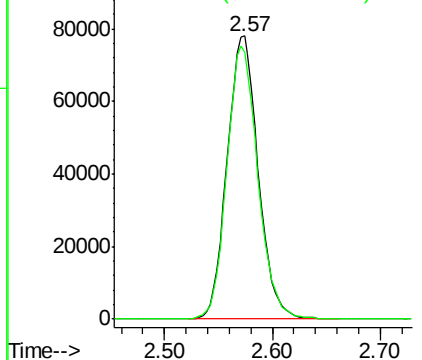
MMDadoda

3/26/2019 12:32:42 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.440 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054659.D

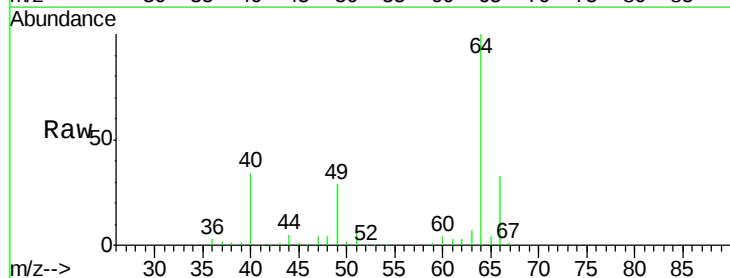
Acq: 25 Mar 2019 9:07

Tgt Ion: 64 Resp: 156574

Ion Ratio Lower Upper

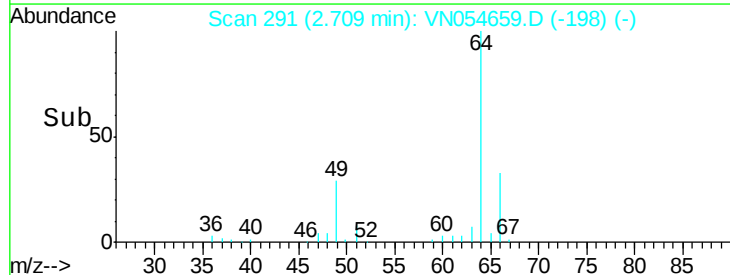
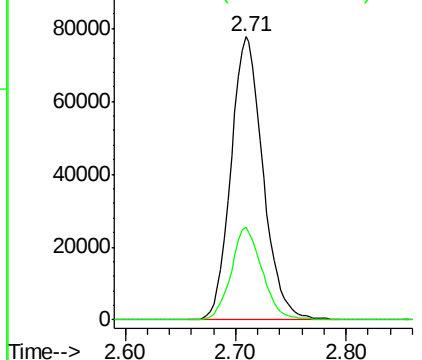
64 100

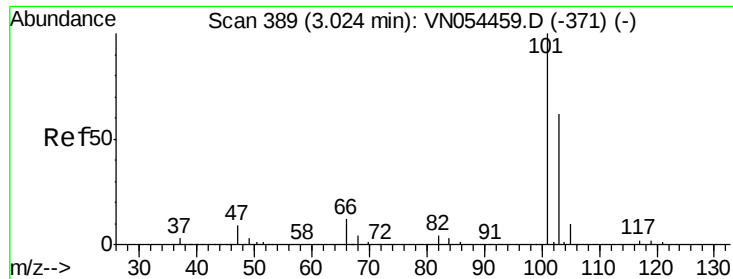
66 32.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

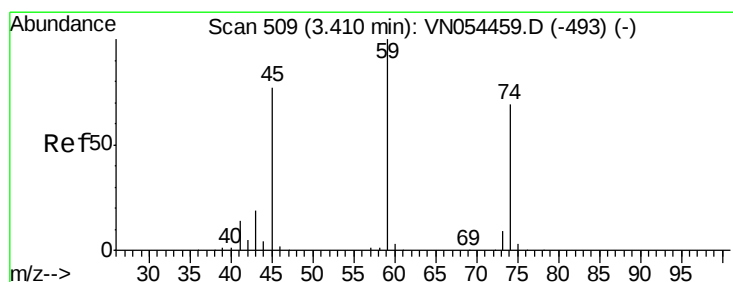
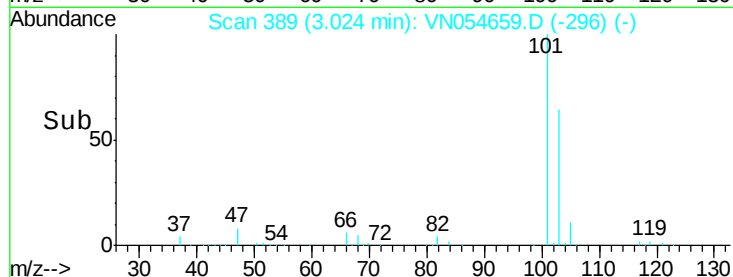
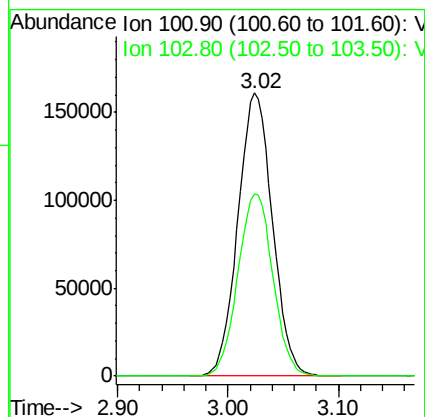
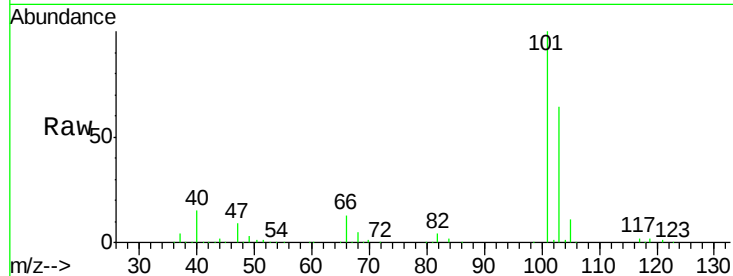
Trichlorofluoromethane
Concen: 51.205 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 349550
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.2

Manual Integrations
APPROVED

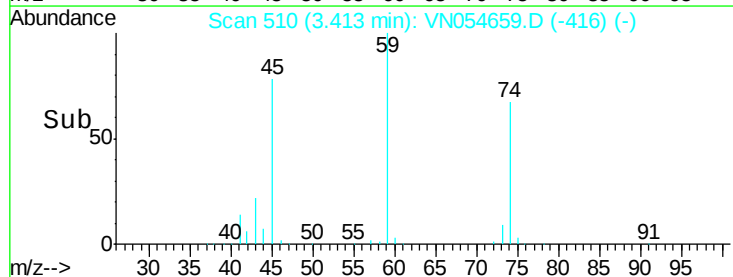
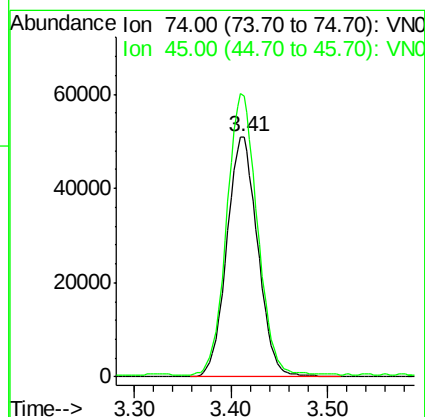
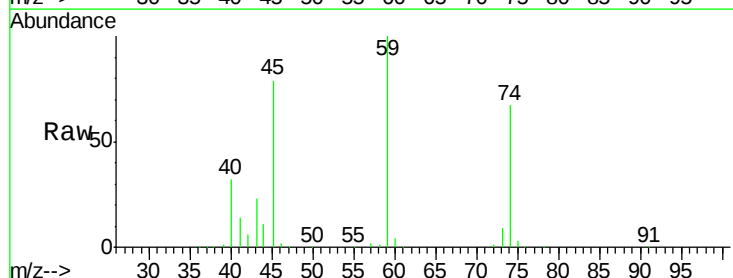
MMDadoda
3/26/2019 12:32:42 PM

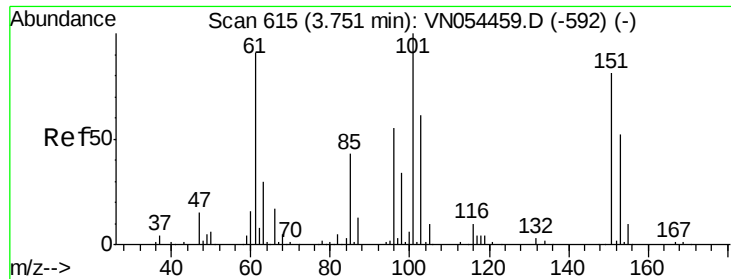


#8

Diethyl Ether
Concen: 43.076 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion: 74 Resp: 113092
Ion Ratio Lower Upper
74 100
45 115.9 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.326 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

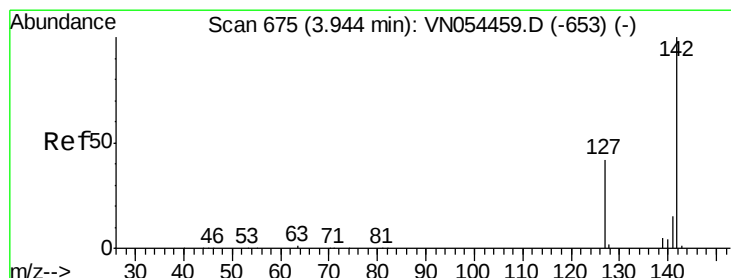
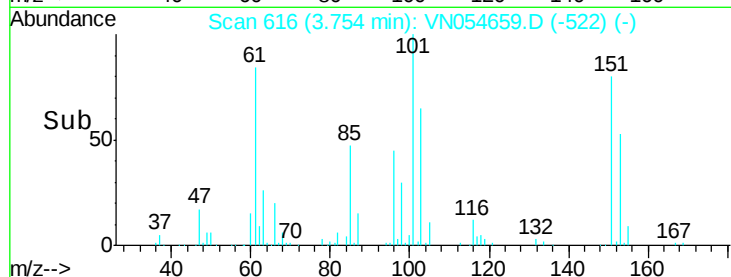
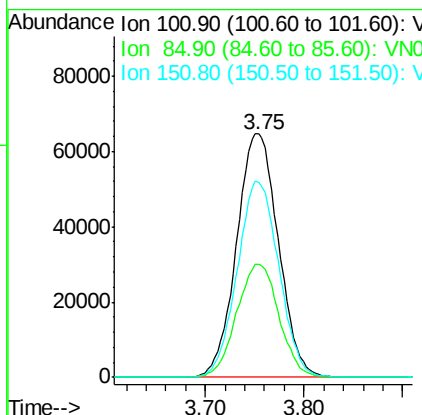
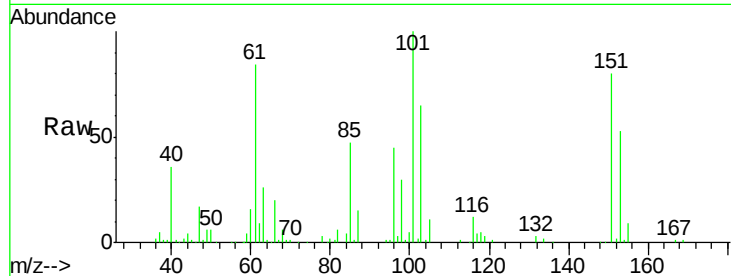
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	189867
Ion Ratio	Lower	Upper	
101	100		
85	46.9	32.4	48.6
151	80.1	68.2	102.2

Manual Integrations
APPROVED

MMDadoda
3/26/2019 12:32:42 PM



#10

Methyl Iodide

Concen: 45.171 ug/l

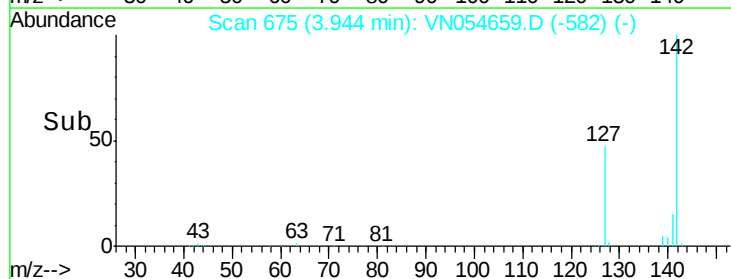
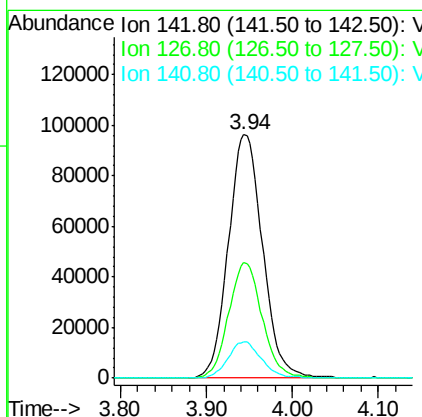
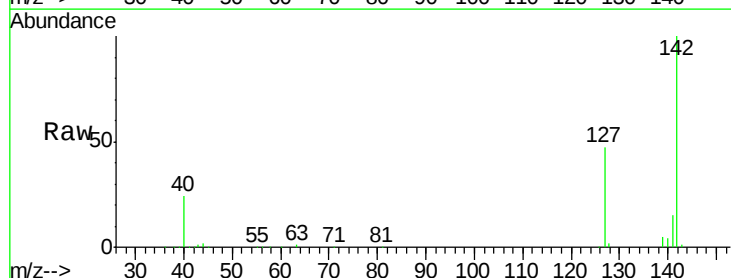
RT: 3.94 min Scan# 675

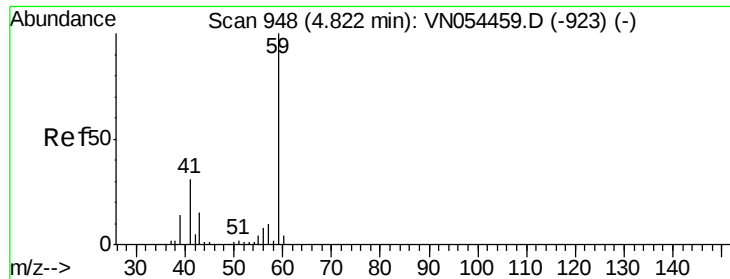
Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Tgt Ion:	142	Resp:	266579
Ion Ratio	Lower	Upper	
142	100		
127	46.4	30.3	45.5#
141	14.6	11.2	16.8





#11

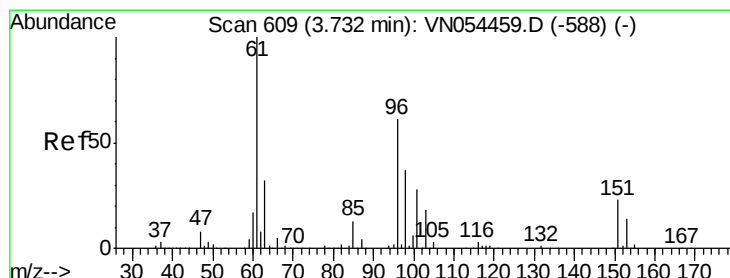
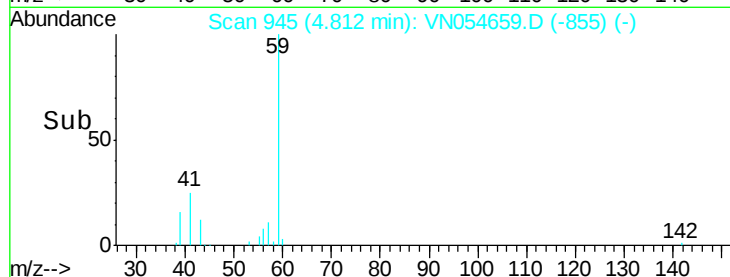
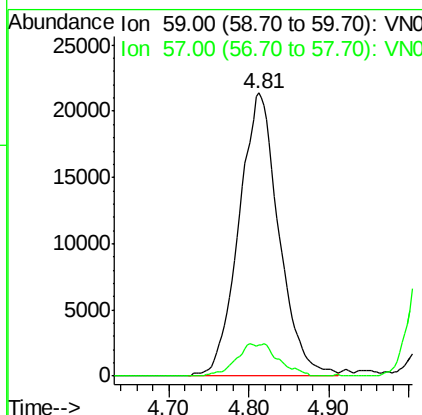
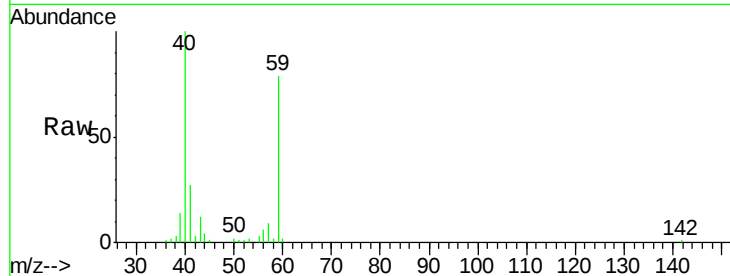
Tert butyl alcohol
 Concen: 224.641 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	9.0	13.6#

Manual Integrations
 APPROVED

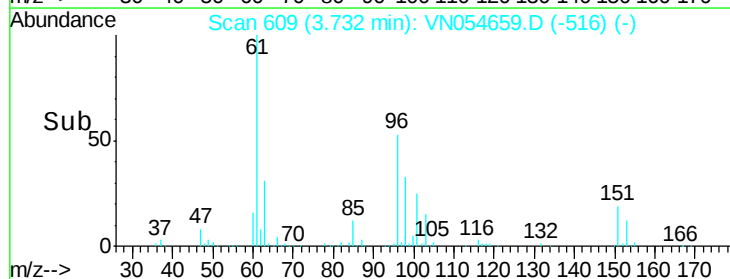
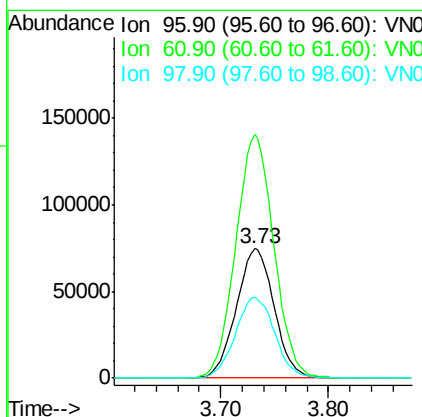
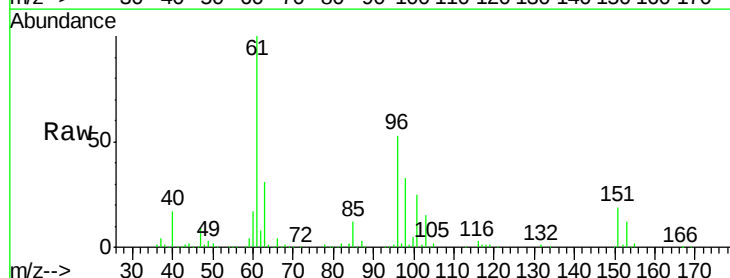
MMDadoda
 3/26/2019 12:32:42 PM

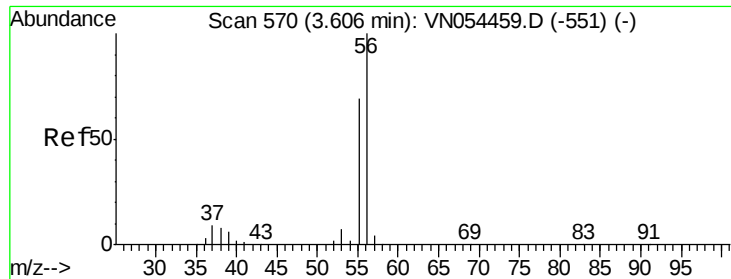


#12

1,1-Dichloroethene
 Concen: 44.037 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.0	116.5	174.7#
98	62.3	51.0	76.4





#13

Acrolein

Concen: 131.443 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 58798

Ion Ratio Lower Upper

56 100

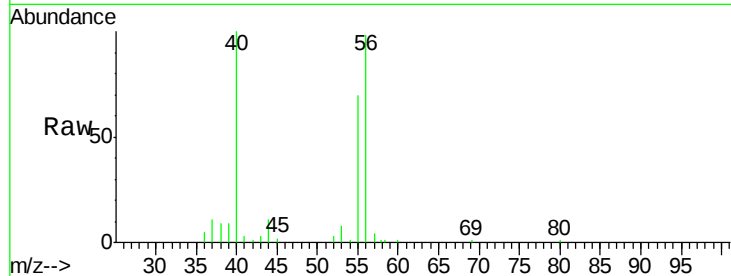
55 72.0 56.7 85.1

Manual Integrations

APPROVED

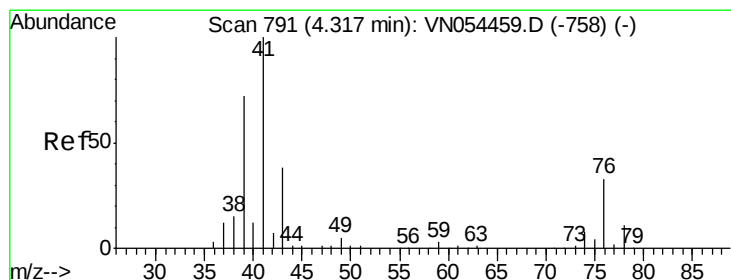
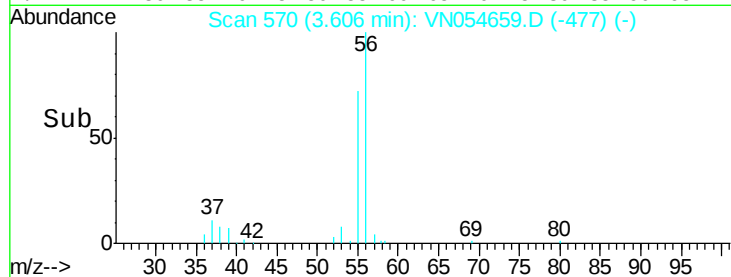
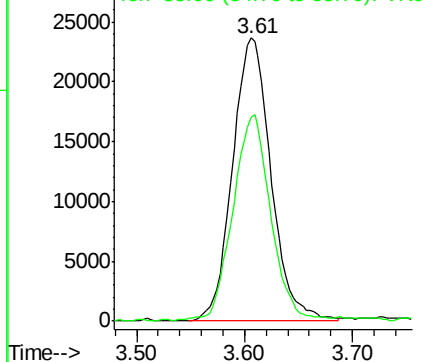
MMDadoda

3/26/2019 12:32:42 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 53.958 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

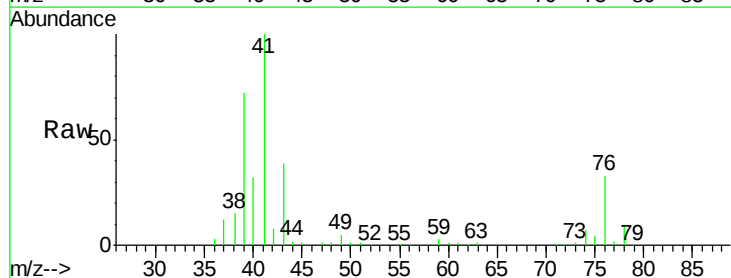
Tgt Ion: 41 Resp: 421853

Ion Ratio Lower Upper

41 100

39 68.8 58.2 87.4

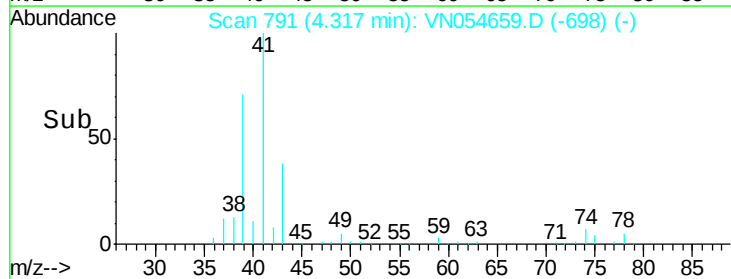
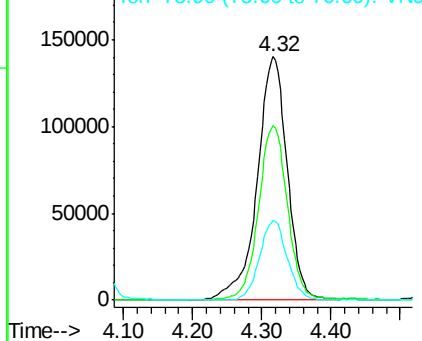
76 30.2 31.7 47.5#

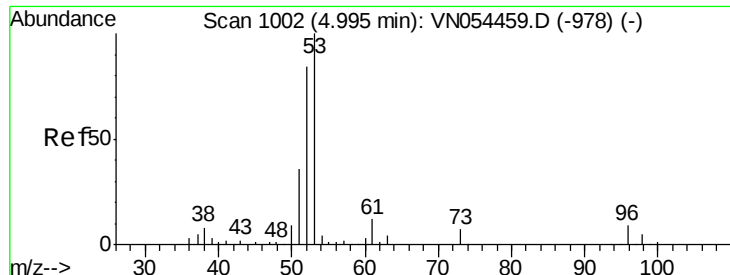


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





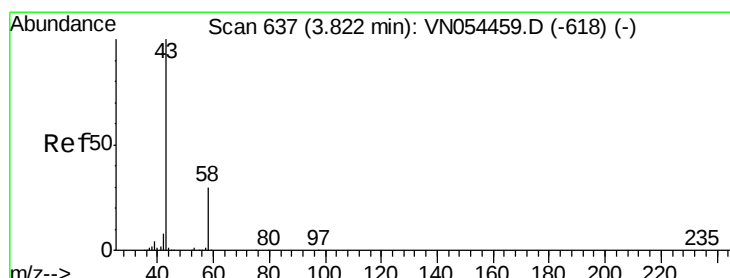
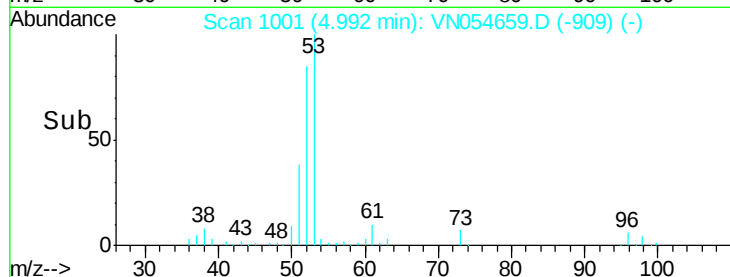
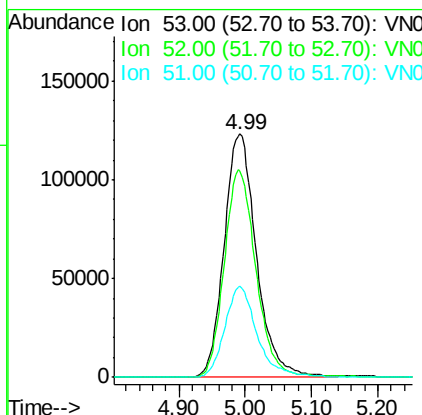
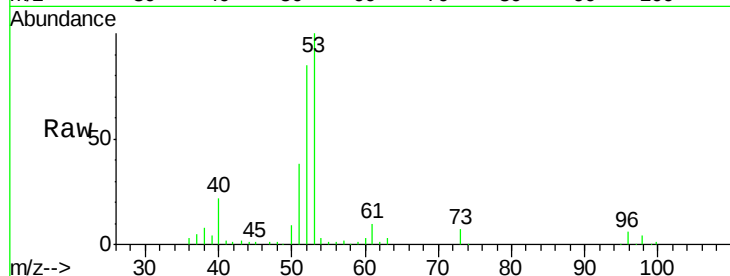
#15
 Acrylonitrile
 Concen: 258.661 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.4	99.6
51	36.8	29.6	44.4

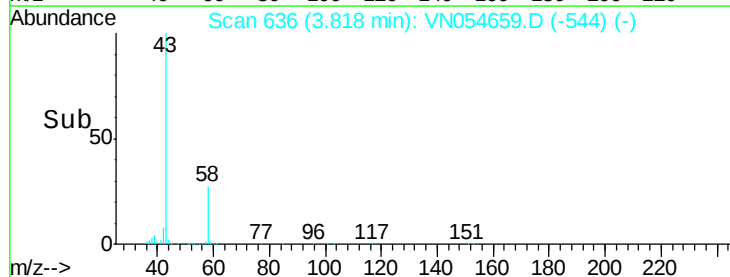
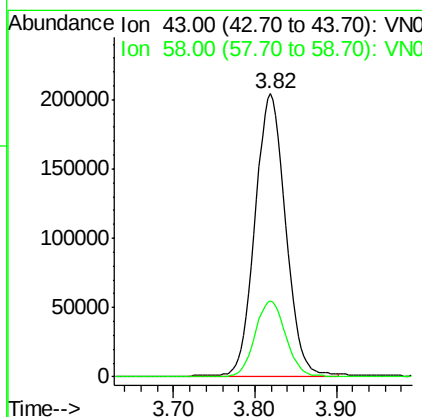
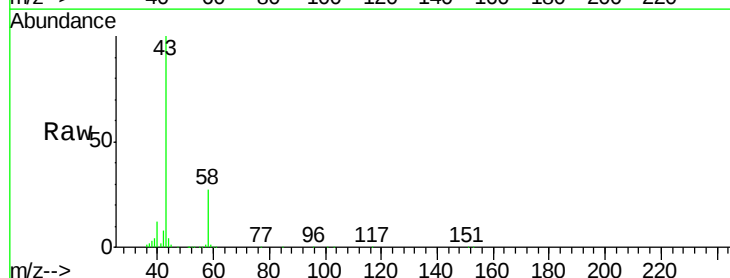
Manual Integrations
 APPROVED

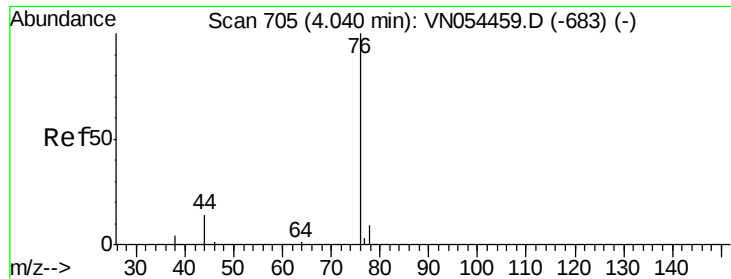
MMDadoda
 3/26/2019 12:32:42 PM



#16
 Acetone
 Concen: 327.290 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.9	29.9	44.9#





#17

Carbon Disulfide

Concen: 47.659 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 530184

Ion Ratio Lower Upper

76 100

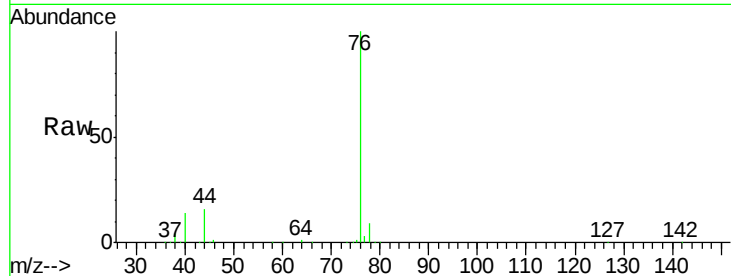
78 9.3 7.5 11.3

Manual Integrations

APPROVED

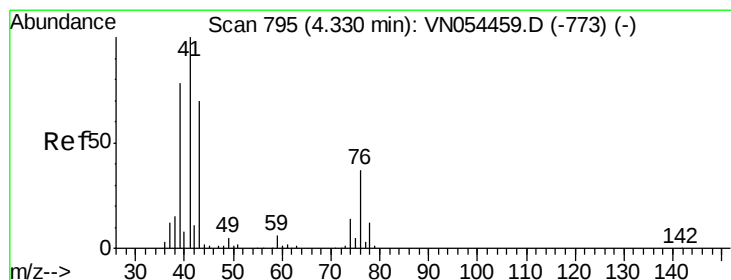
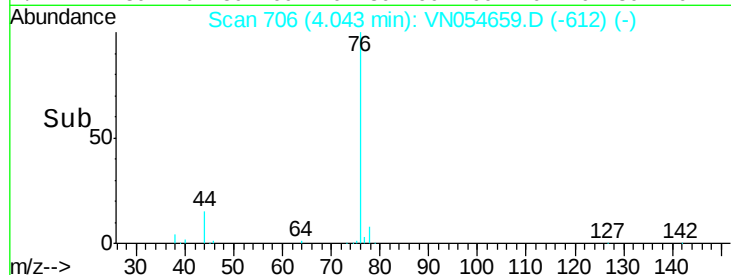
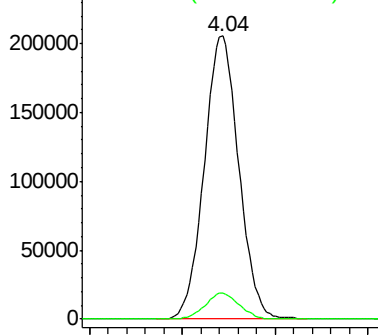
MMDadoda

3/26/2019 12:32:42 PM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 51.634 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054659.D

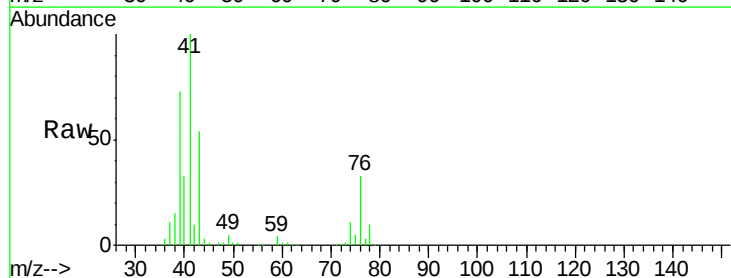
Acq: 25 Mar 2019 9:07

Tgt Ion: 43 Resp: 185255

Ion Ratio Lower Upper

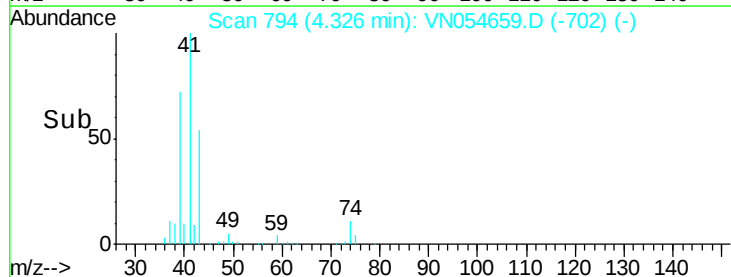
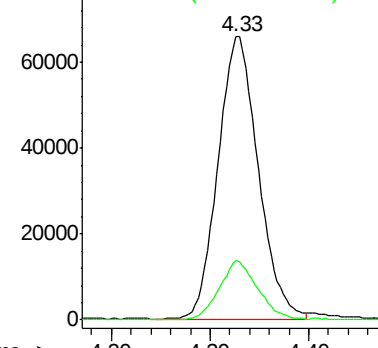
43 100

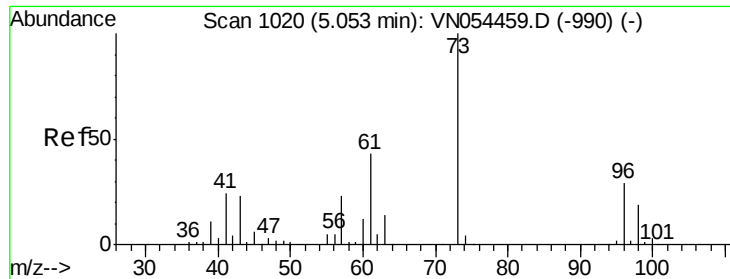
74 20.1 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





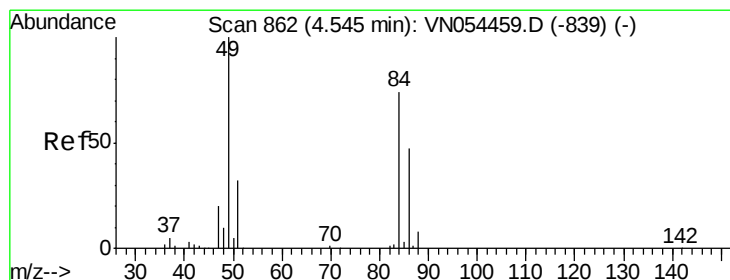
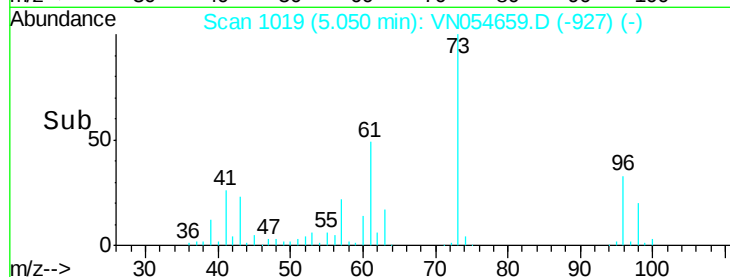
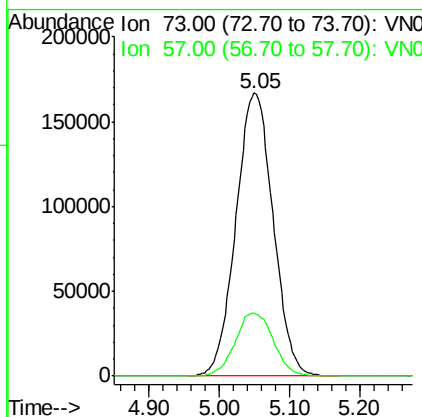
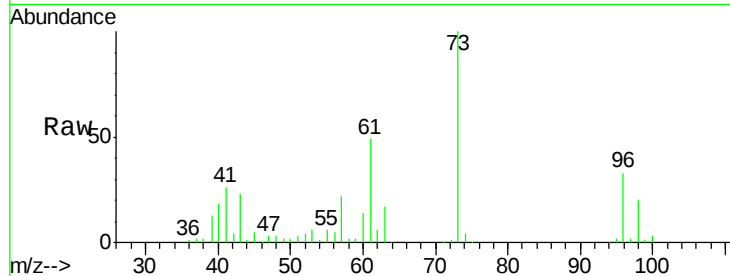
#19
Methyl tert-butyl Ether
Concen: 50.685 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 614137
Ion Ratio Lower Upper
73 100
57 22.2 16.8 25.2

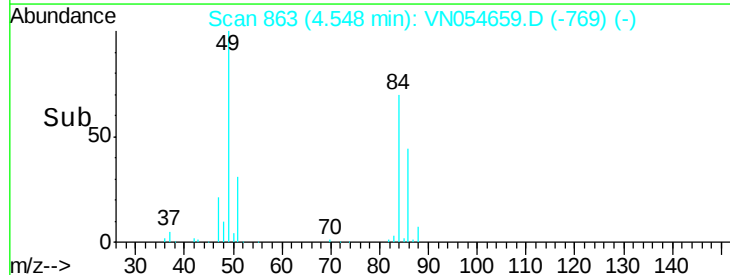
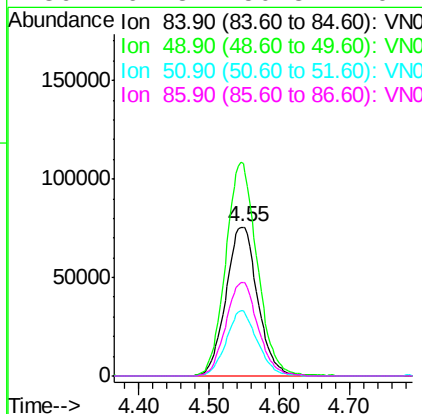
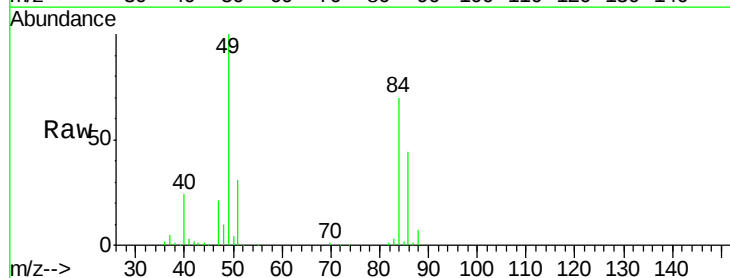
Manual Integrations
APPROVED

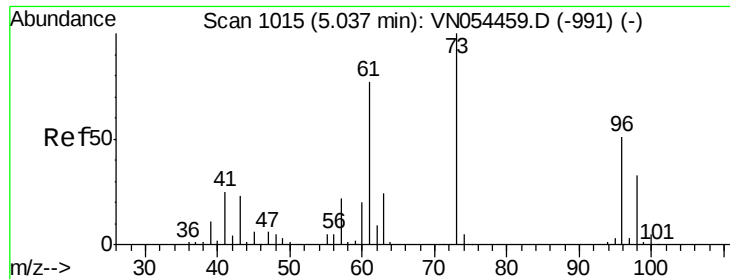
MMDadoda
3/26/2019 12:32:42 PM



#20
Methylene Chloride
Concen: 50.017 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion: 84 Resp: 237337
Ion Ratio Lower Upper
84 100
49 142.3 89.7 134.5#
51 43.8 28.2 42.4#
86 62.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 51.841 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampled :

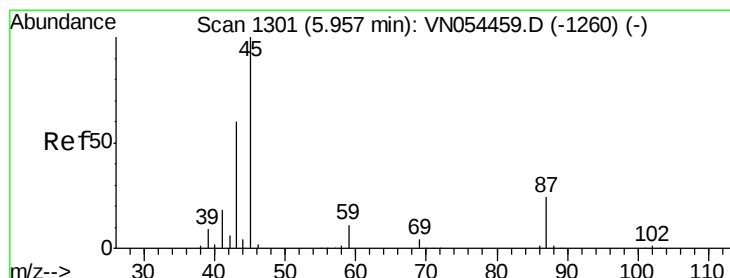
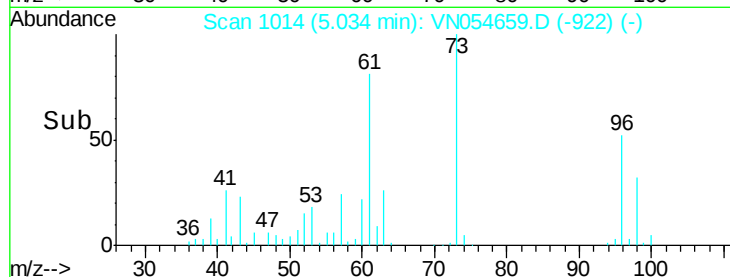
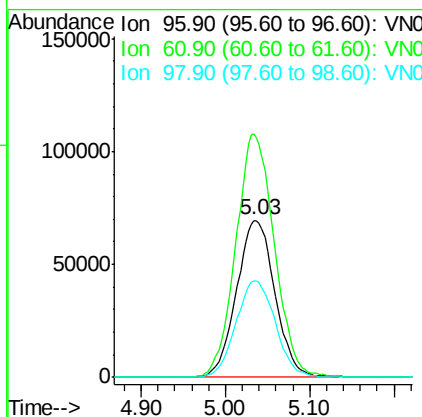
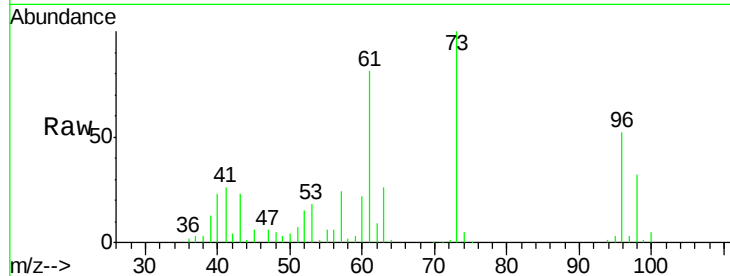
VSTDCCC050

Tot Ion: 96 Resp: 219781

Ion	Ratio	Lower	Upper
96	100		
61	154.7	102.8	154.2#
98	61.5	50.0	75.0

Manual Integrations
APPROVED

MMDadoda
3/26/2019 12:32:42 PM



#22

Diisopropyl ether

Concen: 55.732 ug/l

RT: 5.96 min Scan# 1301

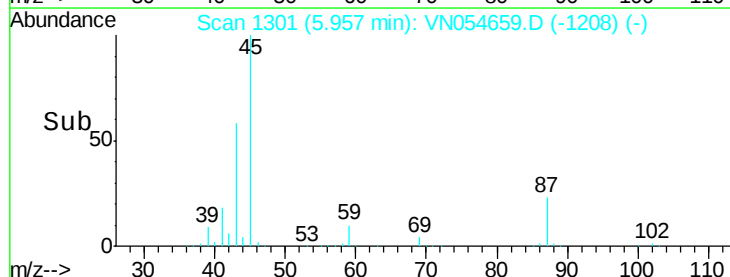
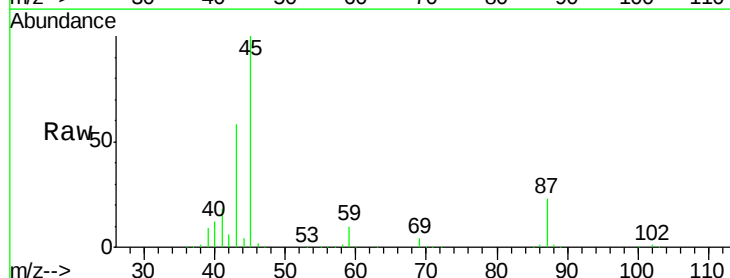
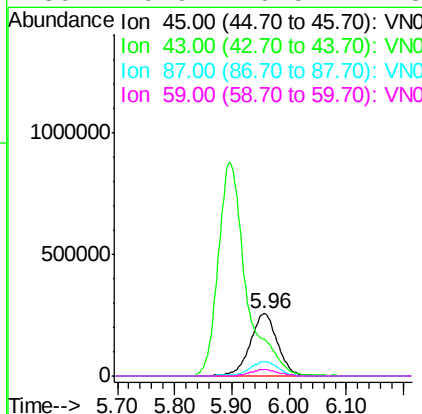
Delta R.T. -0.00 min

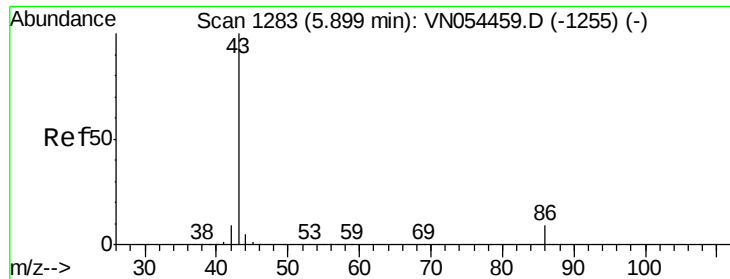
Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Tgt Ion: 45 Resp: 859458

Ion	Ratio	Lower	Upper
45	100		
43	58.2	48.2	72.2
87	23.2	24.9	37.3#
59	9.9	9.5	14.3





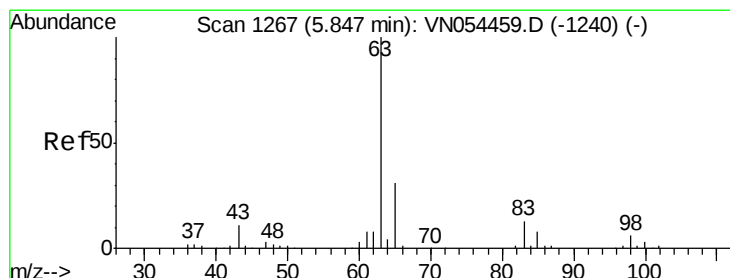
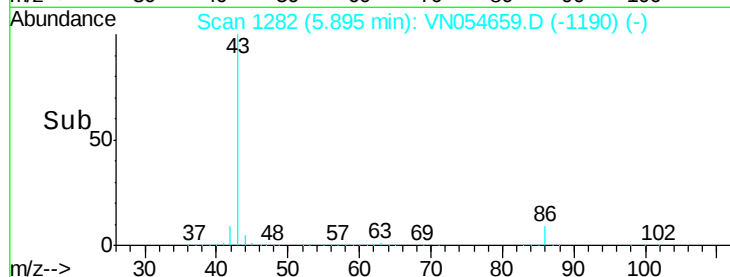
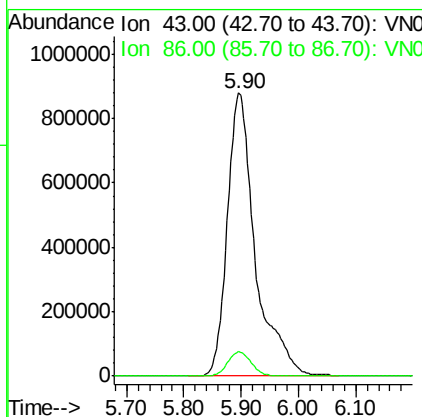
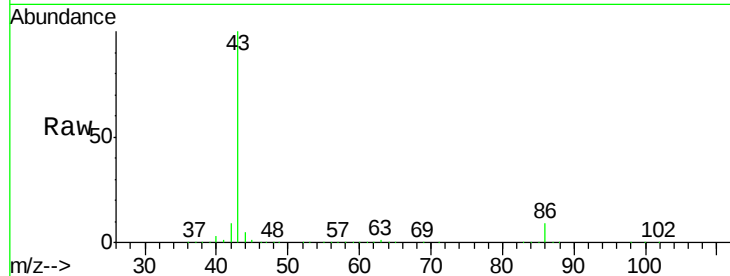
#23
 Vinyl Acetate
 Concen: 274.122 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2985589
 Ion Ratio Lower Upper
 43 100
 86 8.6 9.1 13.7#

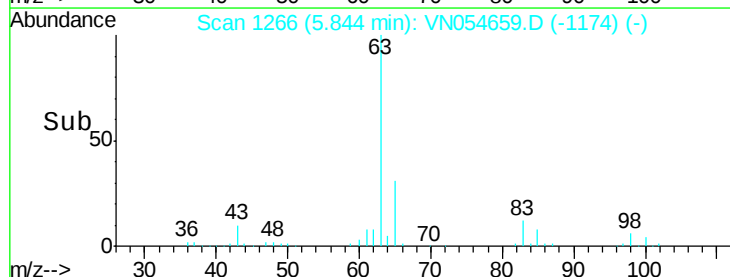
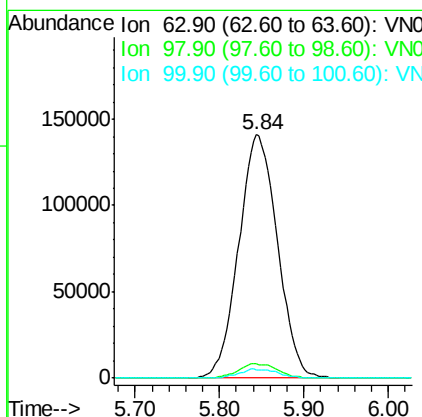
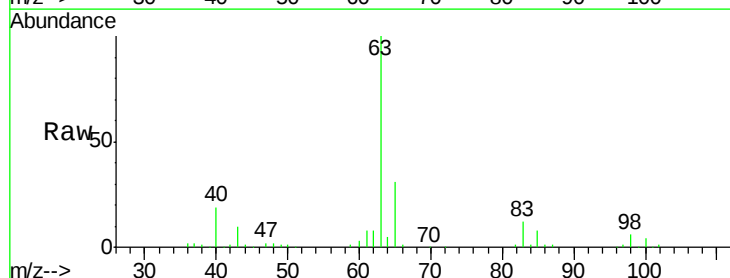
Manual Integrations
 APPROVED

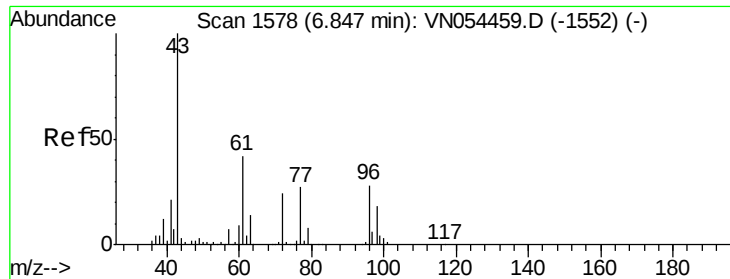
MMDadoda
 3/26/2019 12:32:42 PM



#24
 1,1-Dichloroethane
 Concen: 54.241 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion: 63 Resp: 450374
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.5 10.5
 100 3.6 2.0 6.0





#25

2-Butanone

Concen: 307.745 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 634580

Ion Ratio Lower Upper

43 100

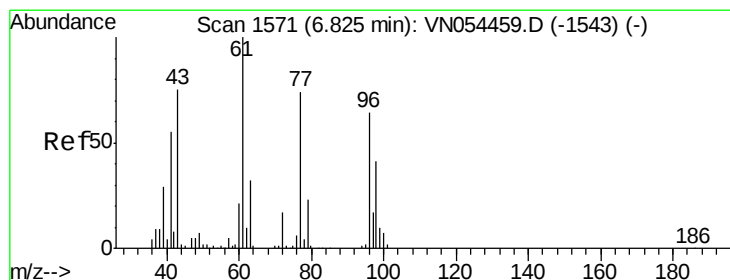
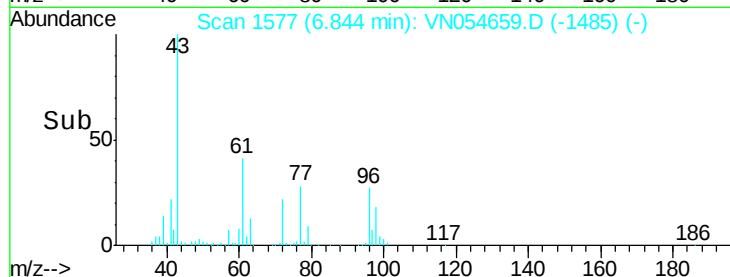
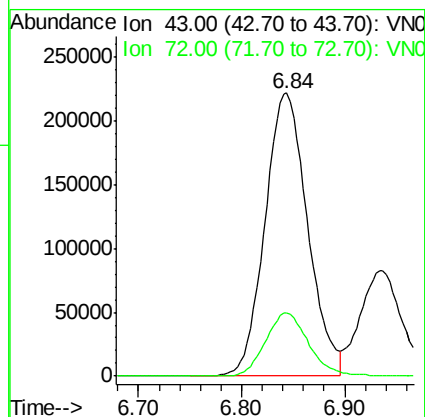
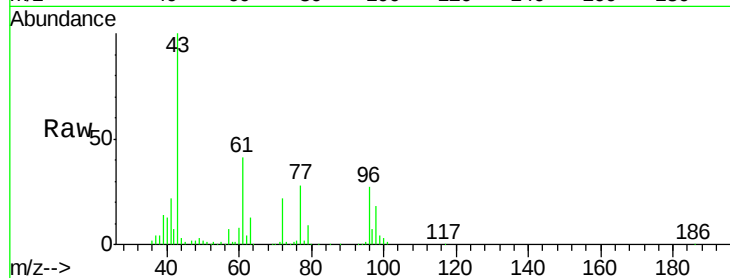
72 22.4 23.0 34.6#

Manual Integrations

APPROVED

MMDadoda

3/26/2019 12:32:42 PM



#26

2,2-Dichloropropane

Concen: 55.624 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054659.D

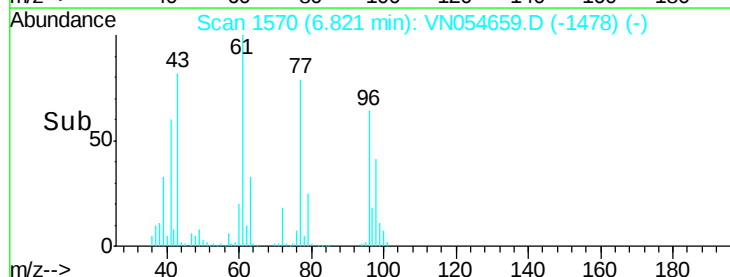
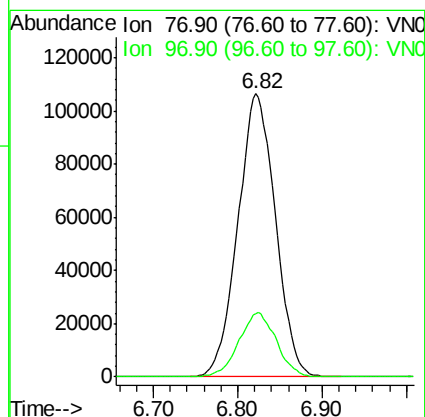
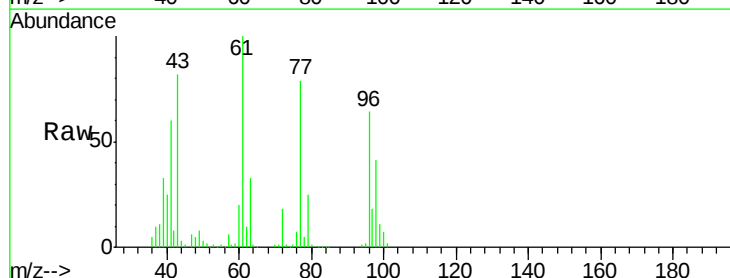
Acq: 25 Mar 2019 9:07

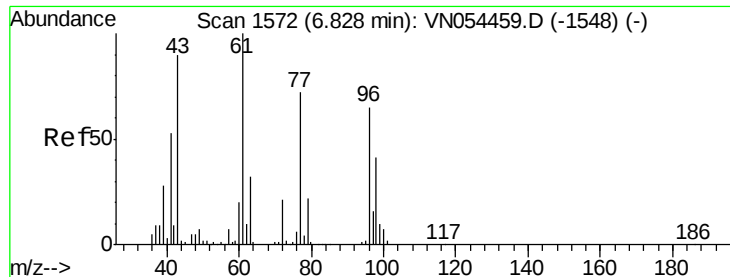
Tgt Ion: 77 Resp: 329235

Ion Ratio Lower Upper

77 100

97 22.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.823 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

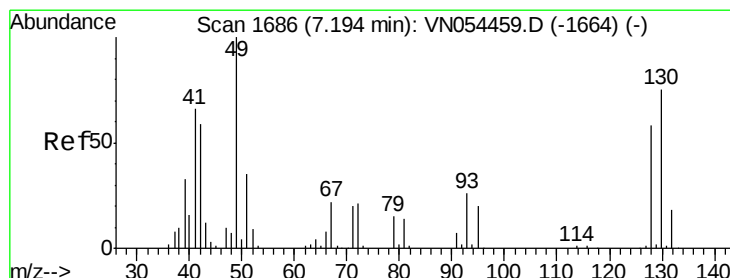
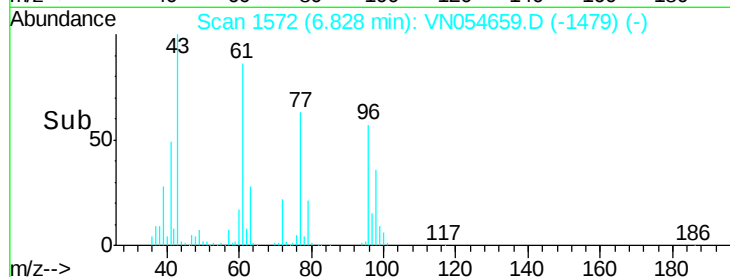
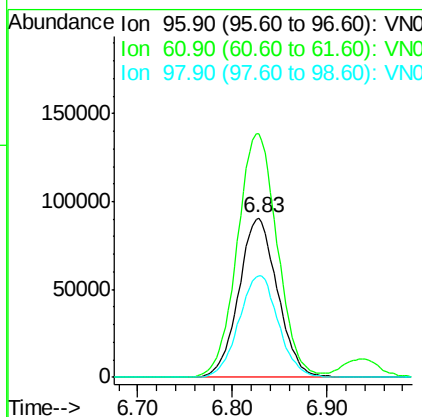
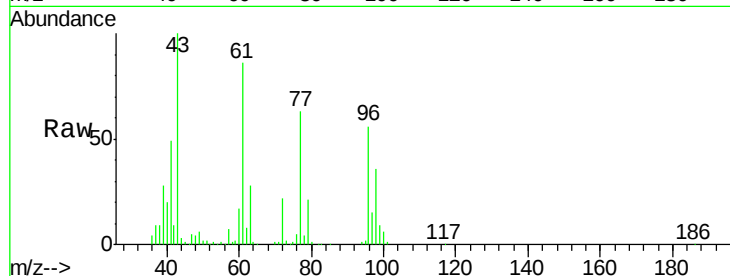
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	256997
Ion	Ratio	Lower	Upper
96	100		
61	158.5	0.0	273.0
98	65.2	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
3/26/2019 12:32:42 PM



#28

Bromochloromethane

Concen: 54.695 ug/l

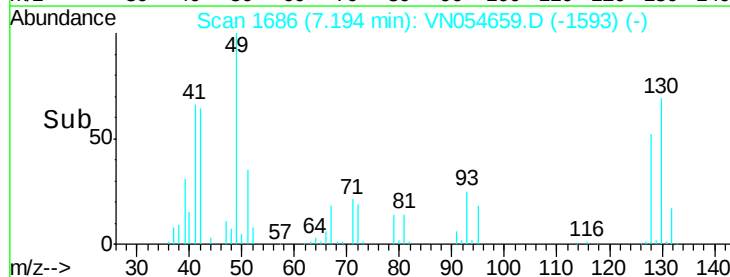
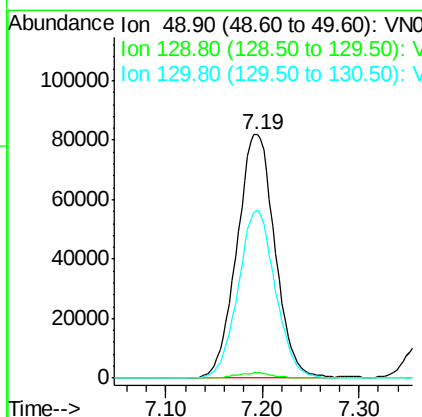
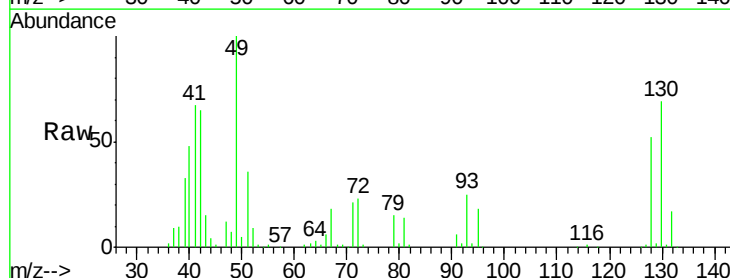
RT: 7.19 min Scan# 1686

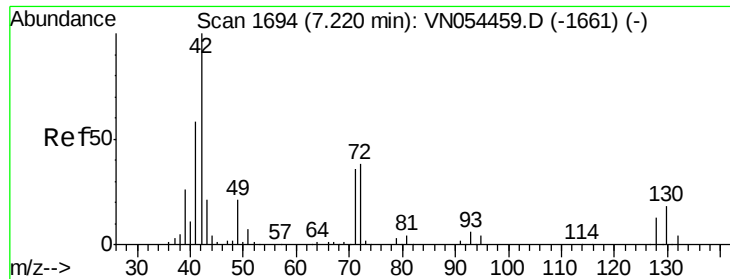
Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Tgt Ion:	49	Resp:	223540
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	67.3	76.7	115.1#





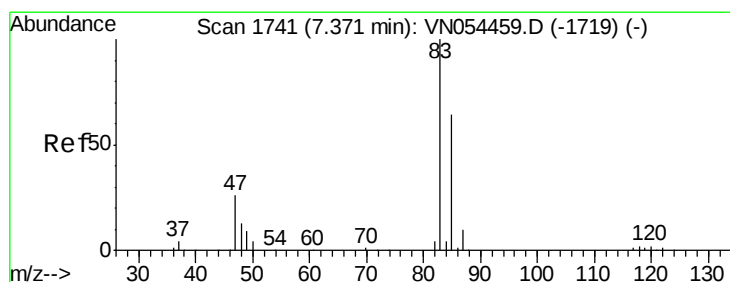
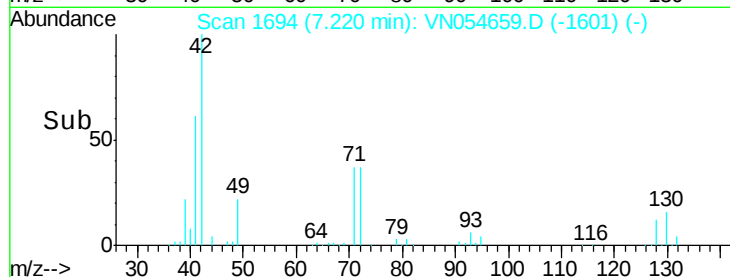
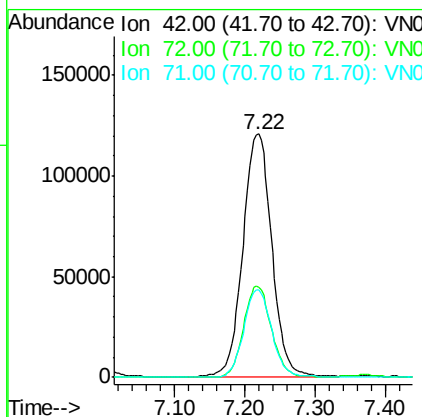
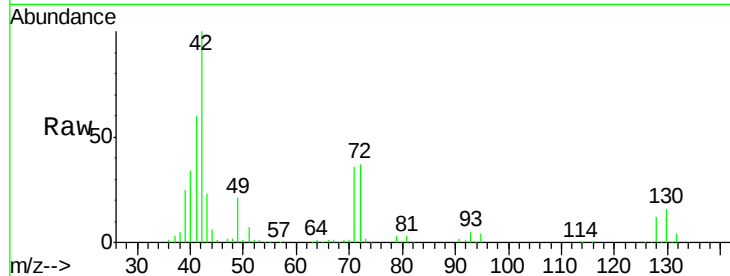
#29
Tetrahydrofuran
Concen: 257.197 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	37.8	56.6#
71	35.1	36.2	54.2#

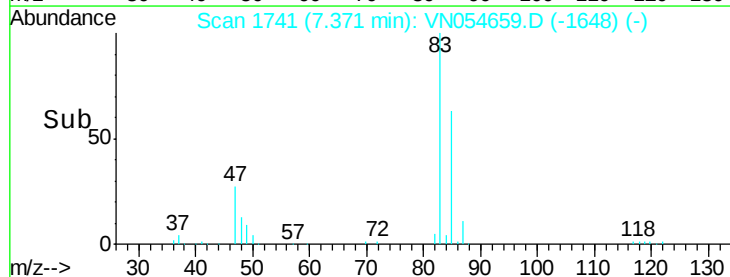
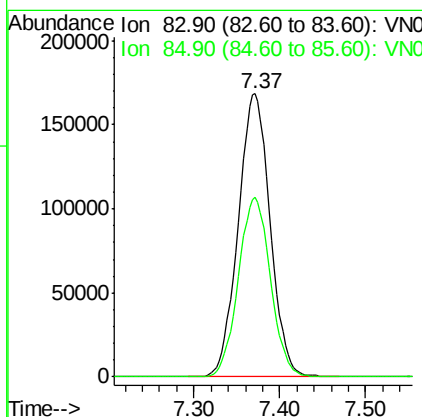
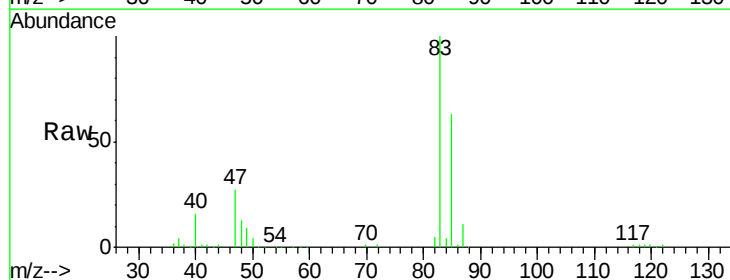
Manual Integrations
APPROVED

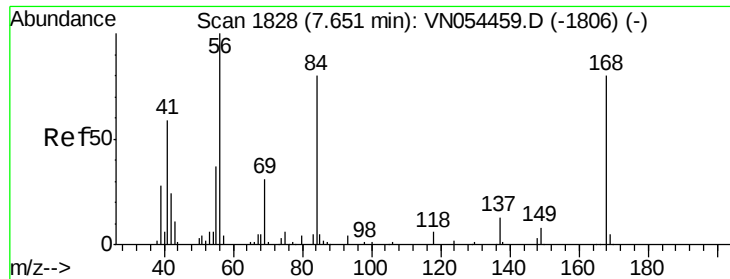
MMDadoda
3/26/2019 12:32:42 PM



#30
Chloroform
Concen: 53.528 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.4





#31

Cyclohexane

Concen: 53.876 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

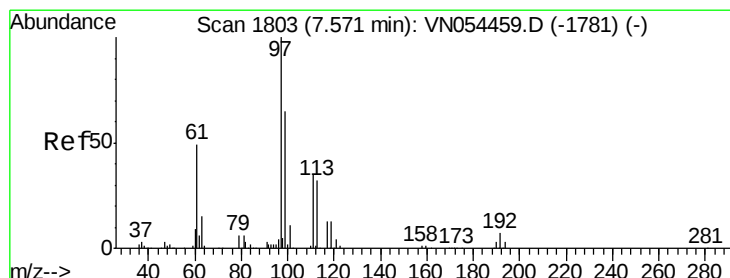
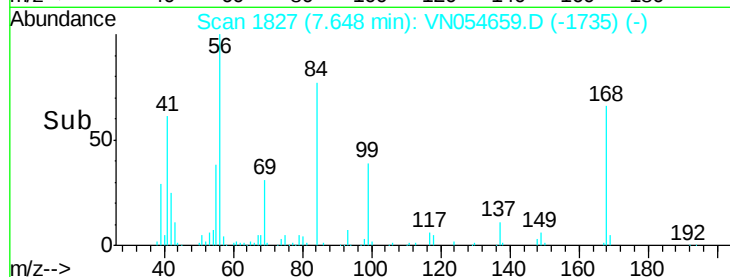
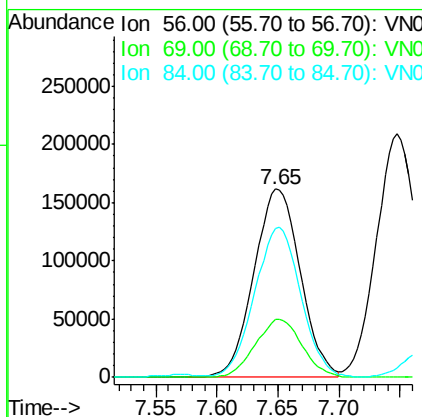
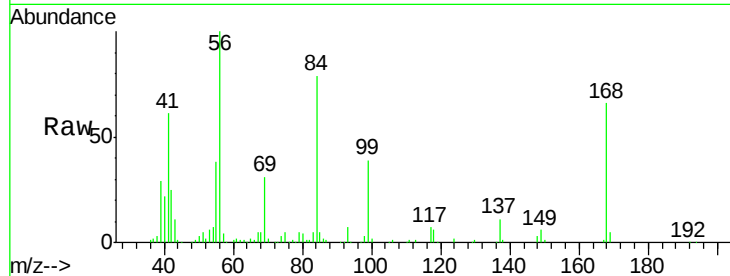
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	427504
Ion	Ratio	Lower	Upper
56	100		
69	30.5	27.8	41.6
84	77.8	74.6	111.8

Manual Integrations
APPROVED

MMDadoda
3/26/2019 12:32:42 PM



#32

1,1,1-Trichloroethane

Concen: 54.099 ug/l

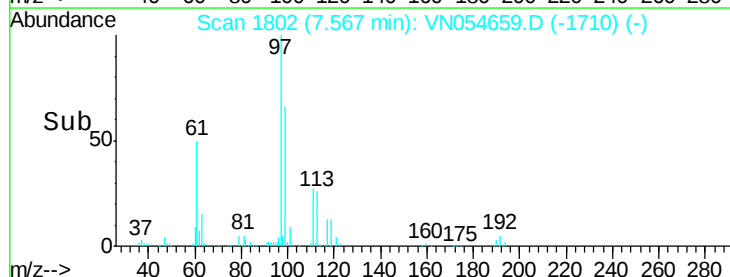
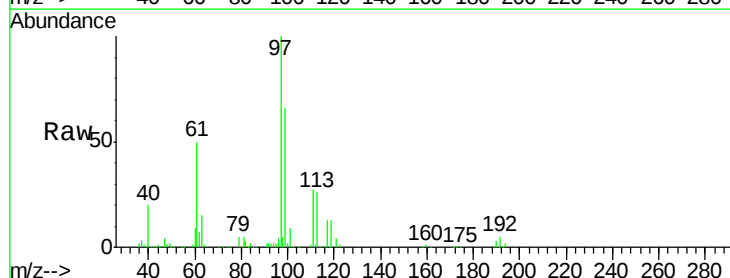
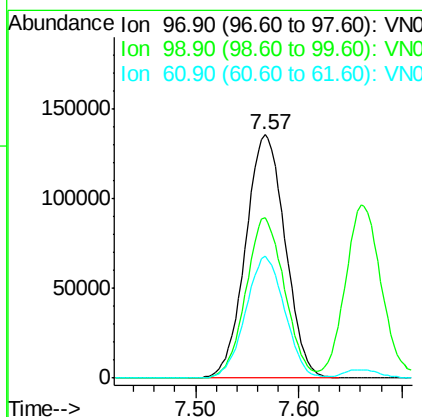
RT: 7.57 min Scan# 1802

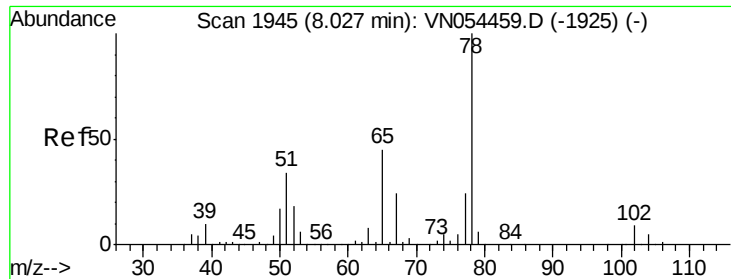
Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Tgt Ion:	97	Resp:	361664
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.5	77.3
61	49.3	33.6	50.4





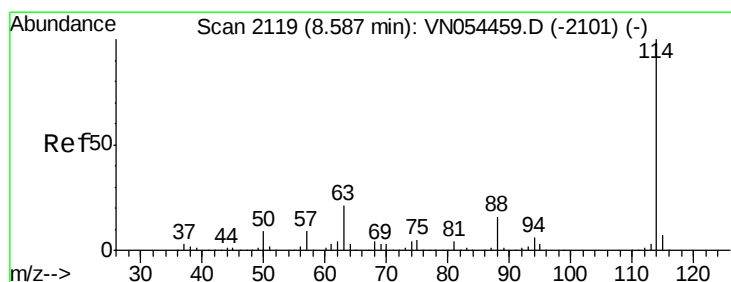
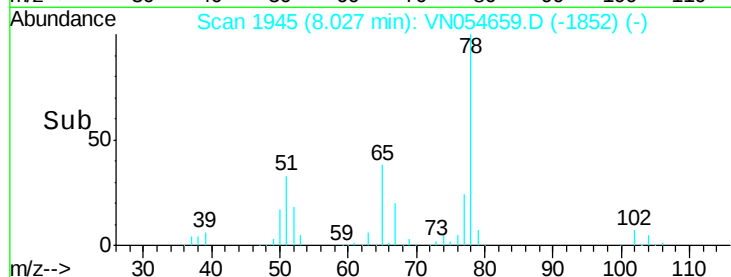
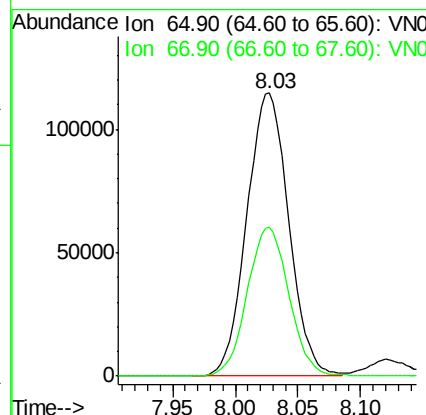
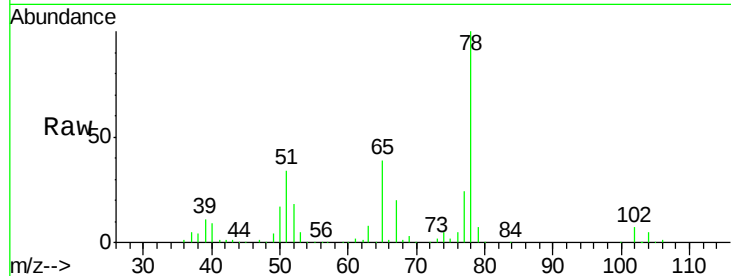
#33
 1,2-Dichloroethane-d4
 Concen: 49.958 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	267478		
67	52.4	0.0	104.6	

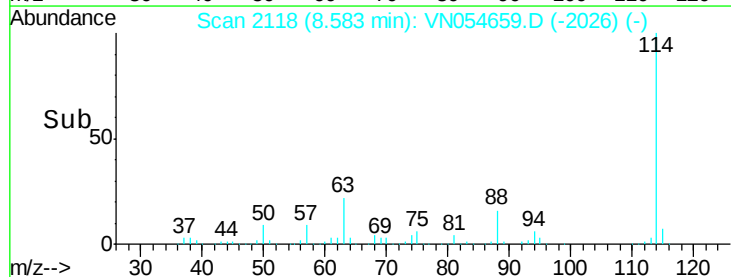
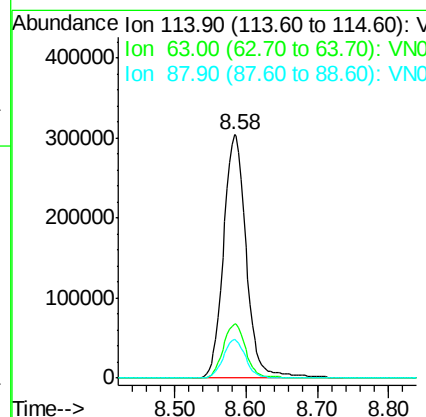
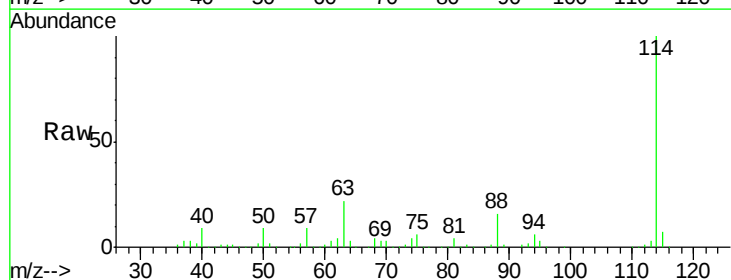
Manual Integrations
 APPROVED

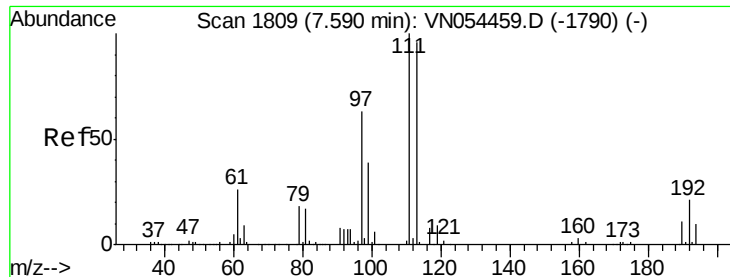
MMDadoda
 3/26/2019 12:32:42 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	673825		
63	22.2	0.0	35.2	
88	15.7	0.0	30.2	





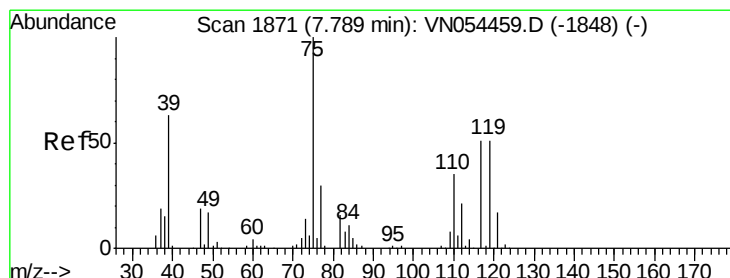
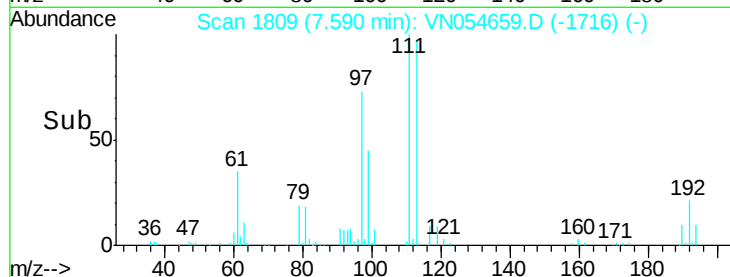
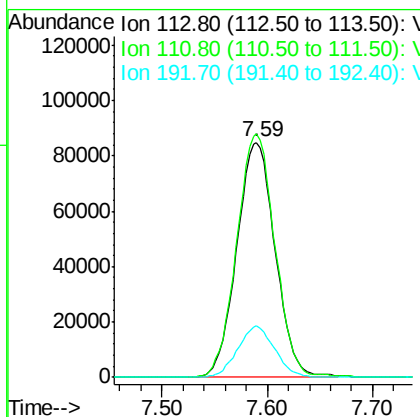
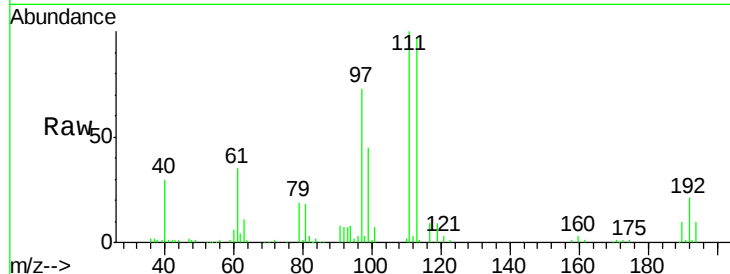
#35
 Dibromofluoromethane
 Concen: 49.482 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	82.2	123.4	
192	21.1	19.2	28.8	

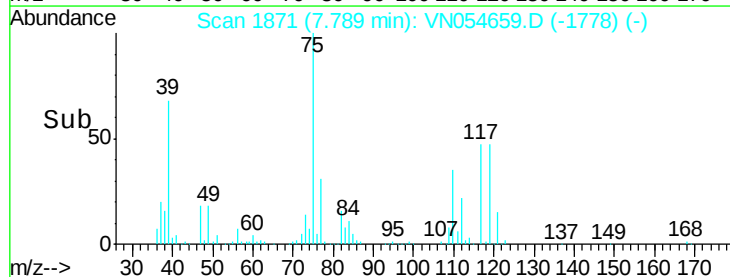
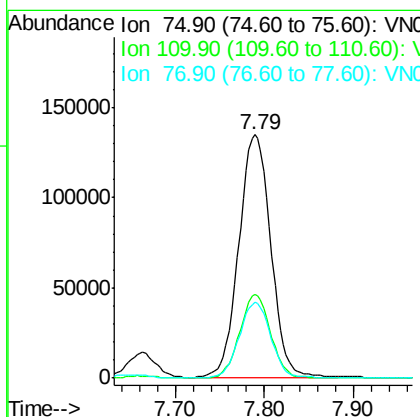
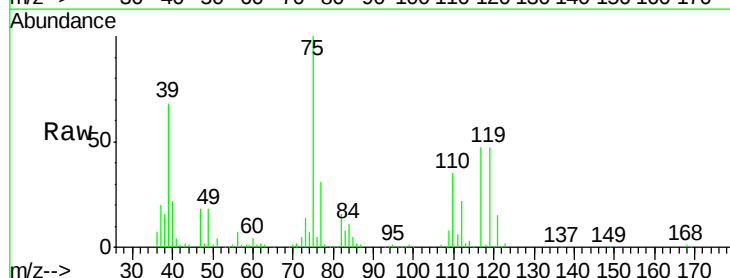
Manual Integrations
 APPROVED

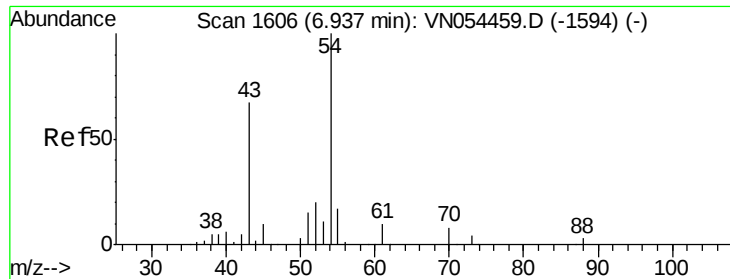
MMDadoda
 3/26/2019 12:32:42 PM



#36
 1,1-Dichloropropene
 Concen: 53.129 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.4	19.1	57.5	
77	30.9	25.0	37.4	





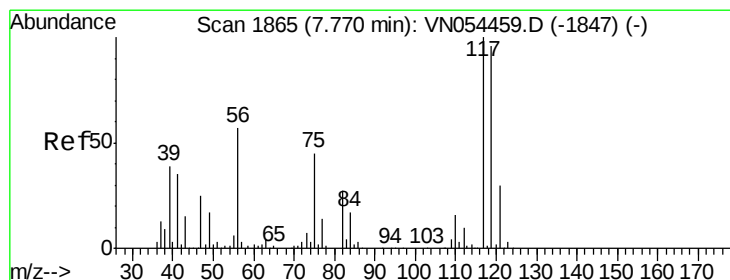
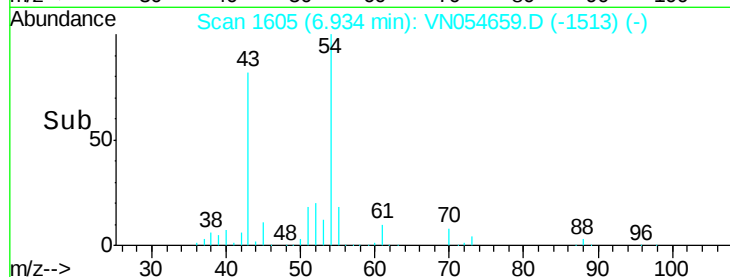
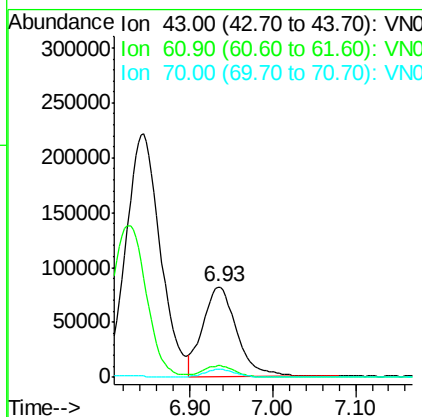
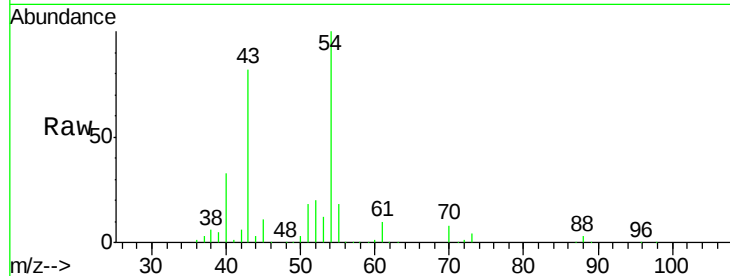
#37
Ethyl Acetate
Concen: 52.444 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	11.8	17.6#
70	8.3	8.4	12.6#

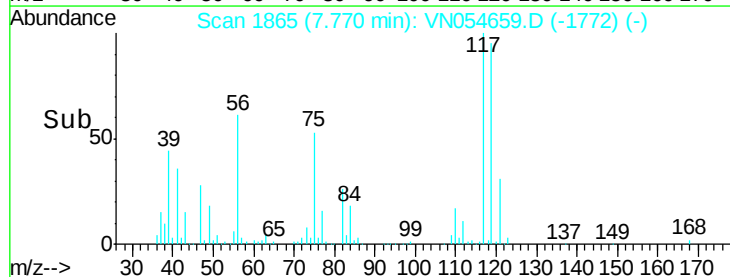
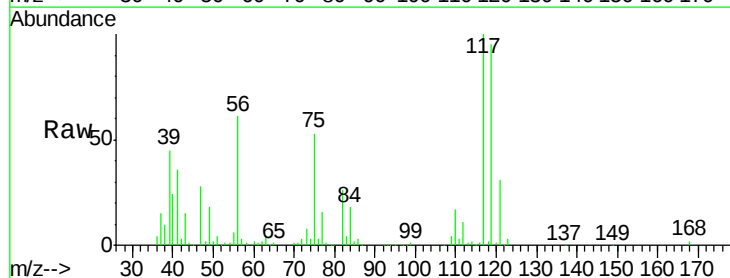
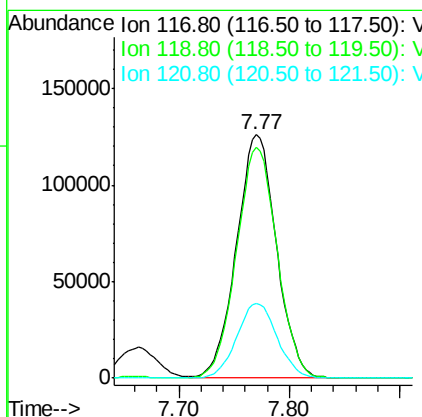
Manual Integrations
APPROVED

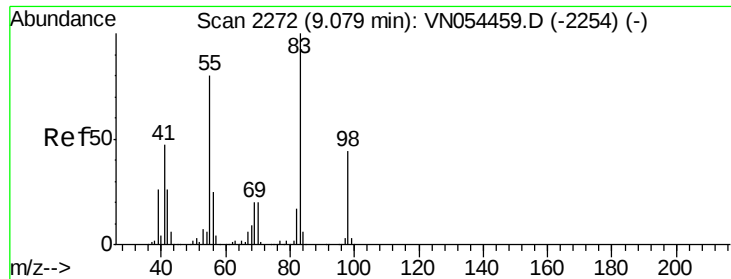
MMDadoda
3/26/2019 12:32:42 PM



#38
Carbon Tetrachloride
Concen: 51.512 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.3	114.5
121	30.8	24.6	36.8





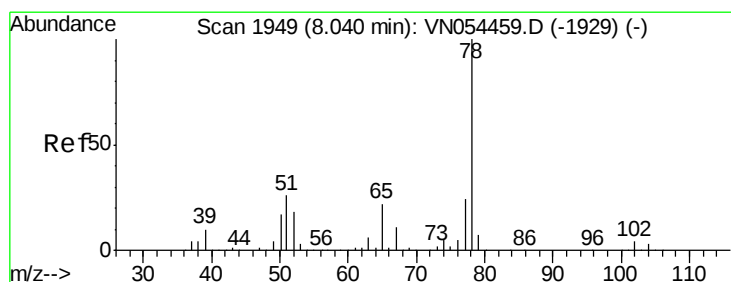
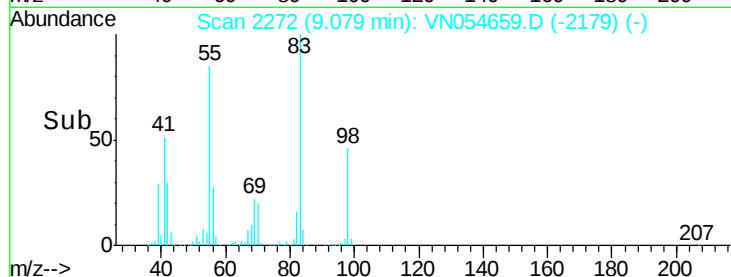
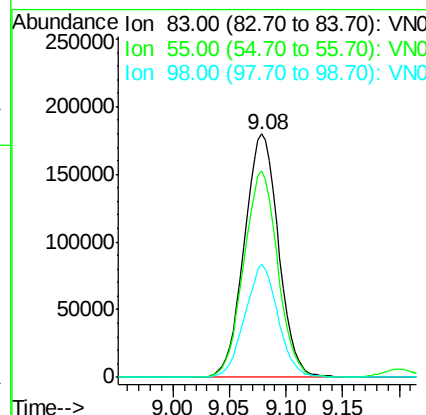
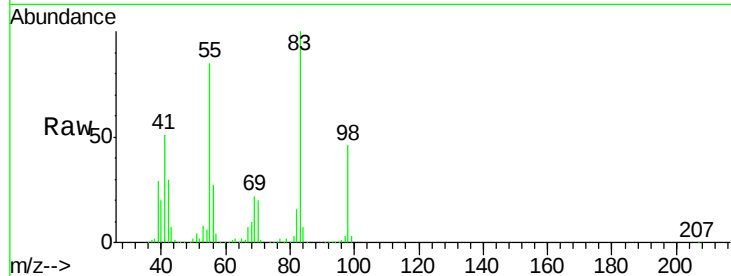
#39
Methvlcvclohexane
Concen: 52.577 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.7	56.6	84.8
98	46.3	38.4	57.6

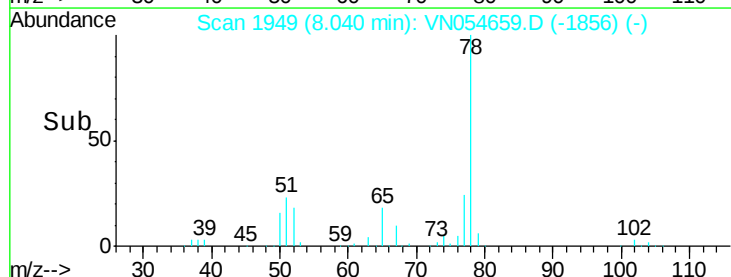
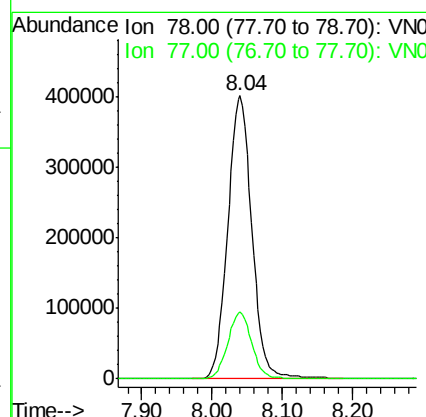
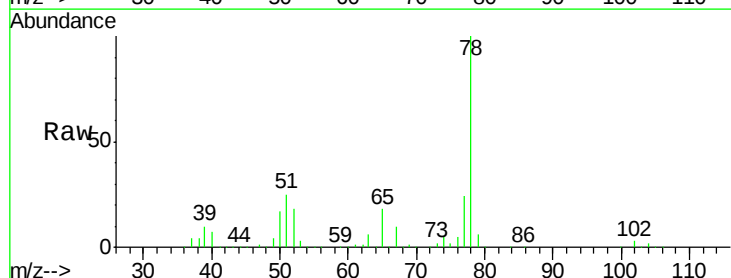
Manual Integrations
APPROVED

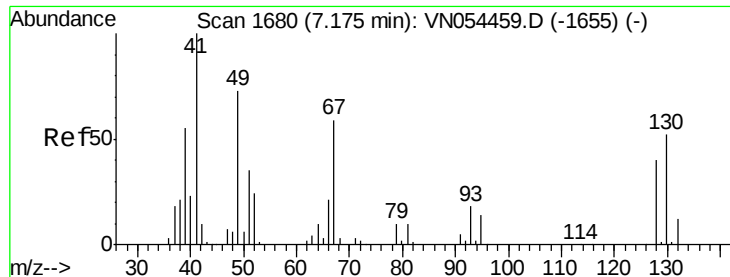
MMDadoda
3/26/2019 12:32:42 PM



#40
Benzene
Concen: 53.308 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





#41

Methacrylonitrile

Concen: 49.269 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 134639

Ion Ratio Lower Upper

41 100

39 65.3 46.8 70.2

67 67.1 67.0 100.4

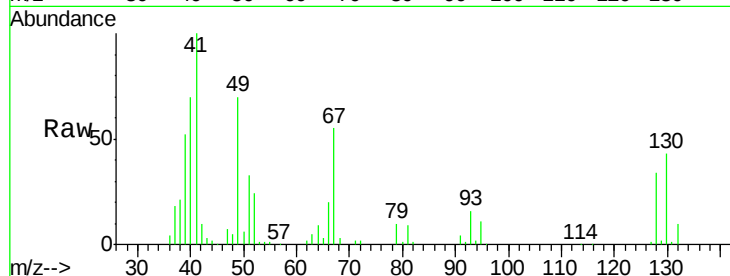
52 31.0 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

3/26/2019 12:32:42 PM

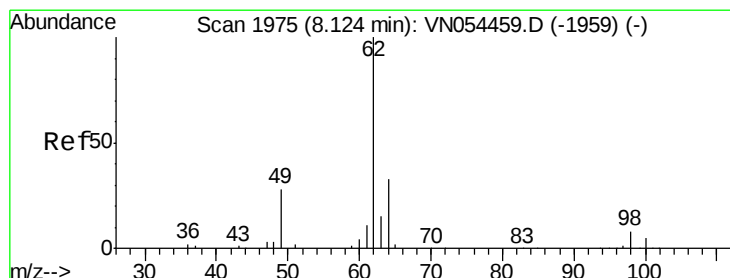
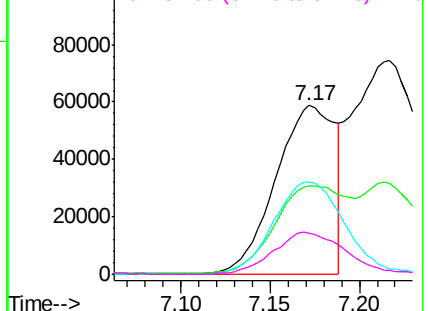
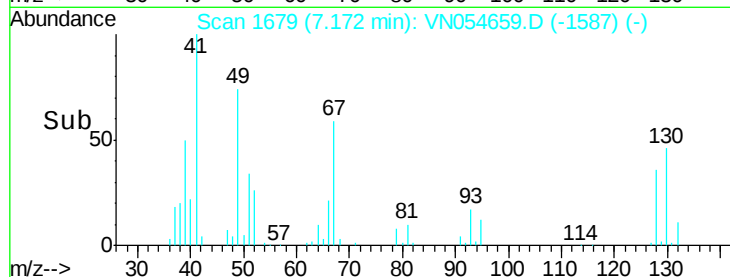


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 52.441 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN054659.D

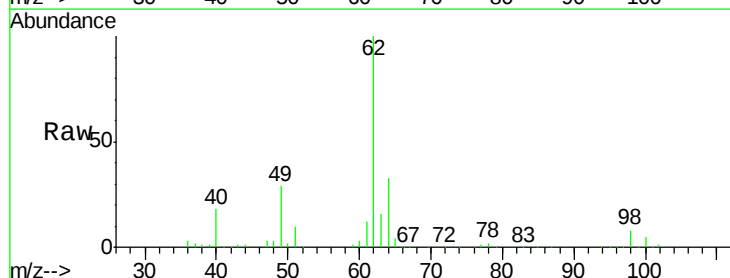
Acq: 25 Mar 2019 9:07

Tgt Ion: 62 Resp: 344070

Ion Ratio Lower Upper

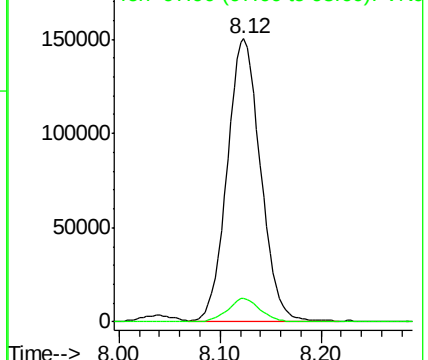
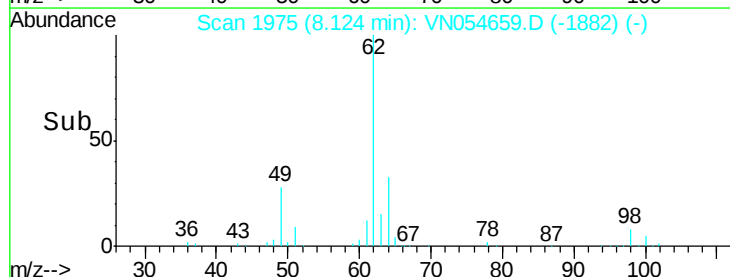
62 100

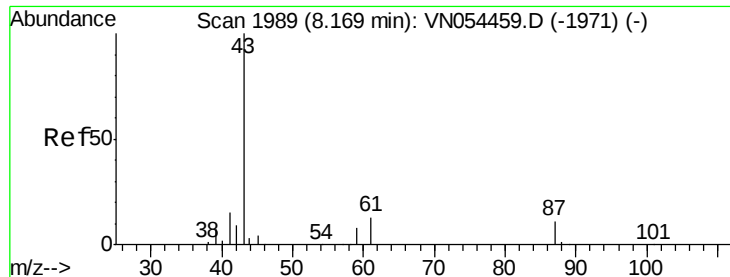
98 8.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

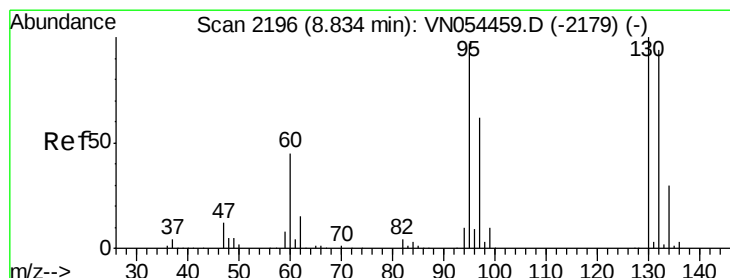
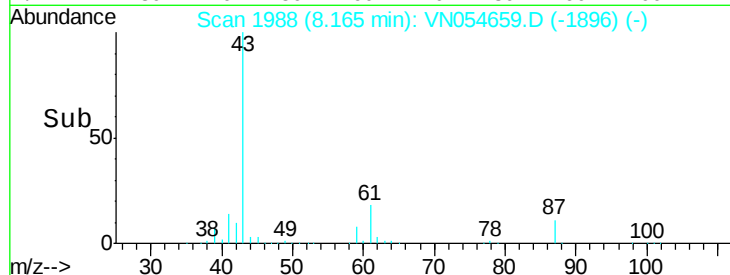
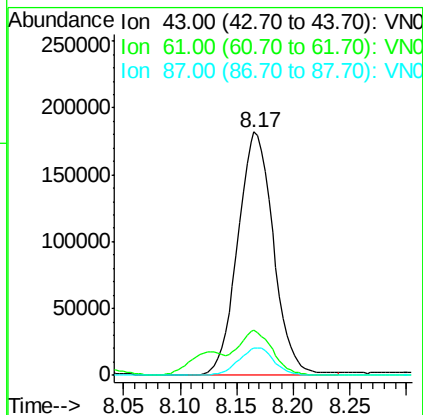
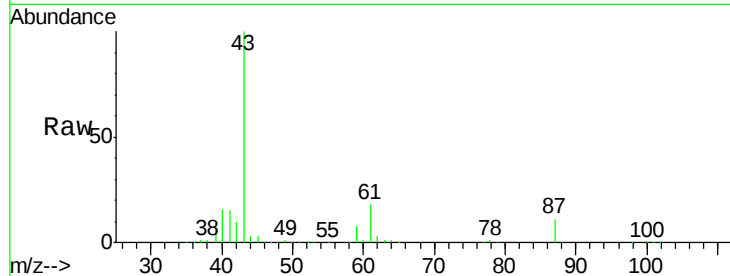
Isopropyl Acetate
 Concen: 52.677 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.1	15.8	23.8
87	11.3	12.0	18.0

Manual Integrations
 APPROVED

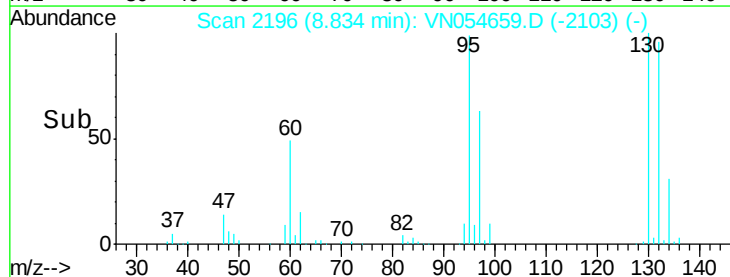
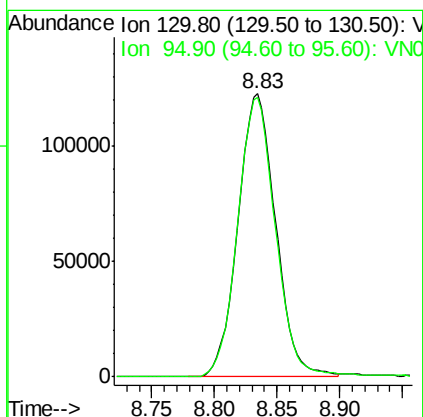
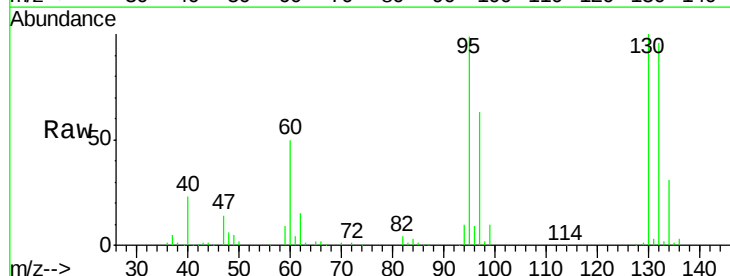
MMDadoda
 3/26/2019 12:32:42 PM

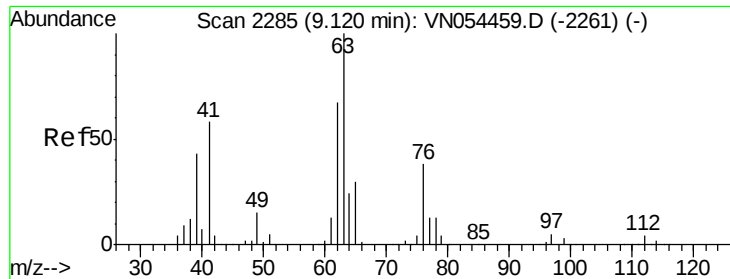


#44

Trichloroethene
 Concen: 51.143 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	185.2





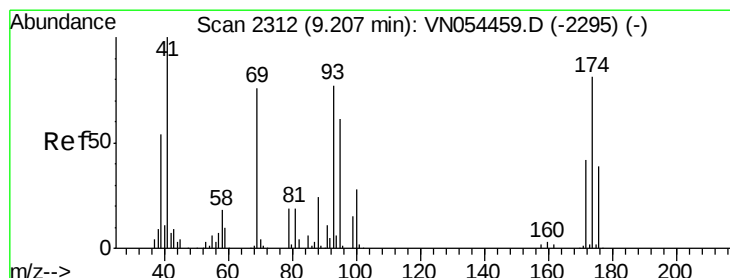
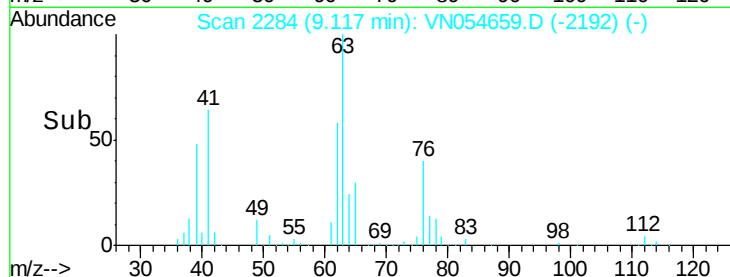
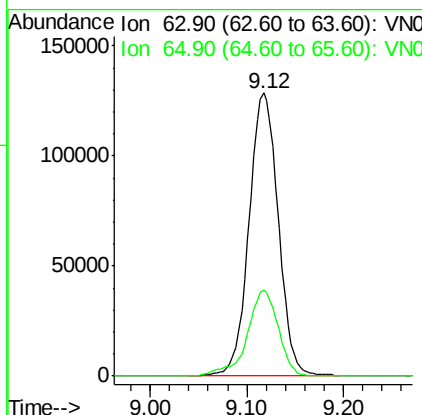
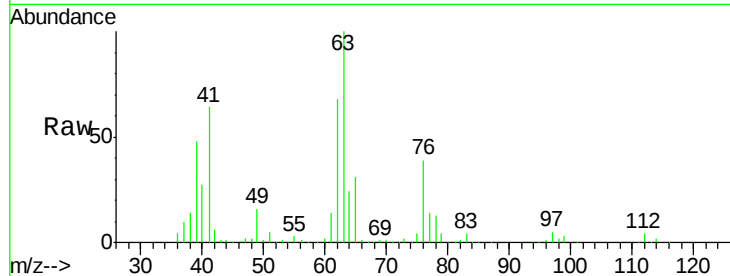
#45
 1,2-Dichloropropane
 Concen: 55.951 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 270676
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

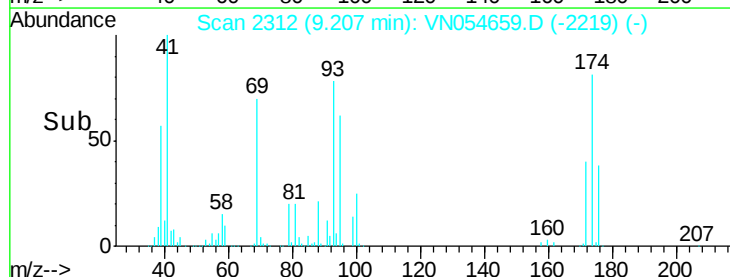
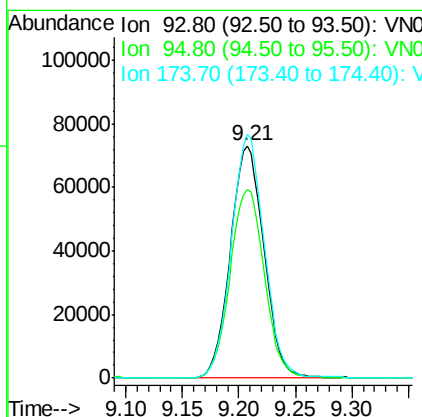
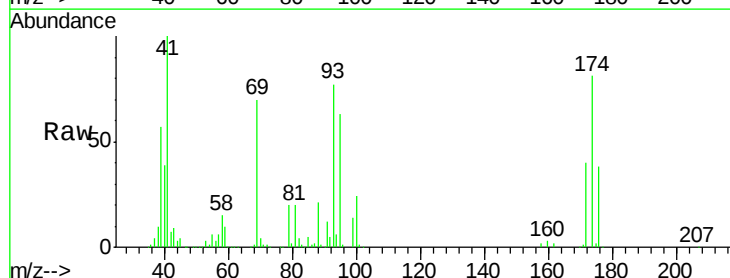
Manual Integrations
 APPROVED

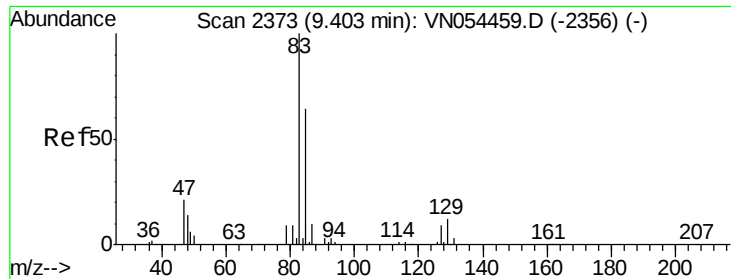
MMDadoda
 3/26/2019 12:32:42 PM



#46
 Dibromomethane
 Concen: 52.439 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion: 93 Resp: 151342
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.7 100.1
 174 102.7 98.5 147.7





#47

Bromodichloromethane

Concen: 54.824 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

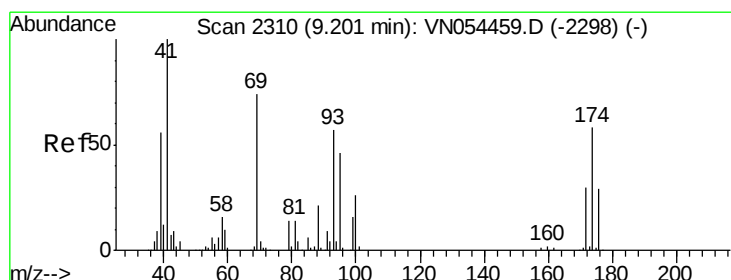
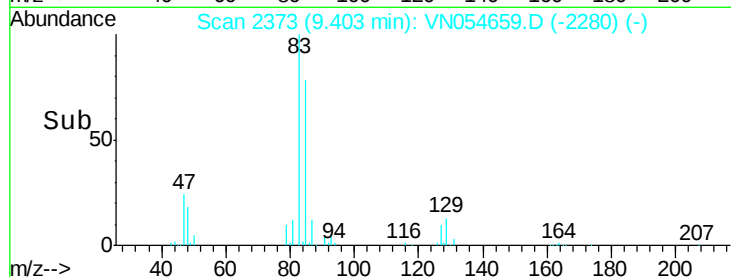
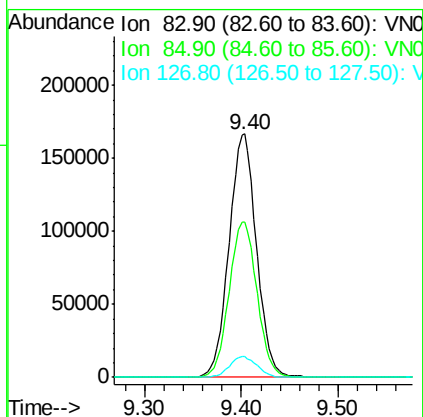
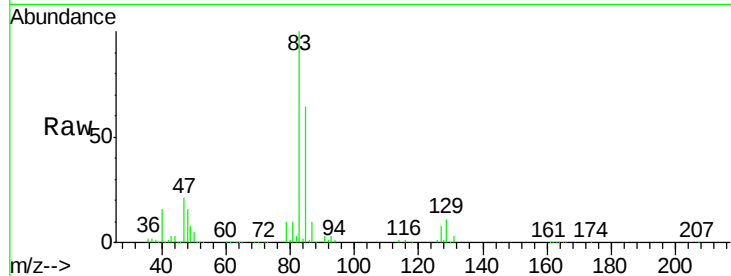
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	328373
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.8	79.2
127	8.4	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
3/26/2019 12:32:42 PM



#48

Methyl methacrylate

Concen: 50.915 ug/l

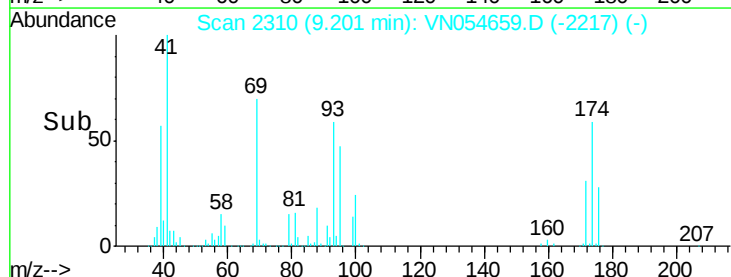
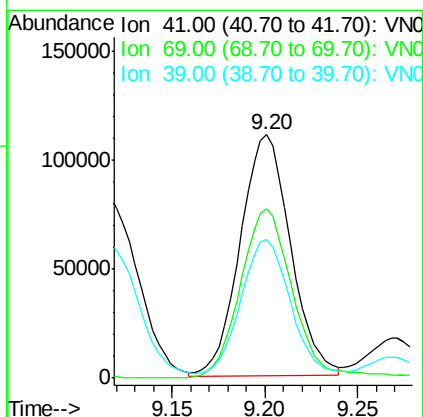
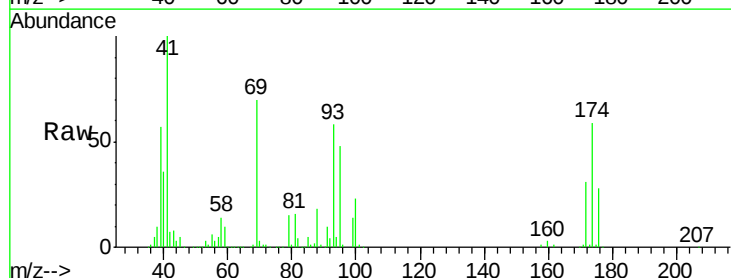
RT: 9.20 min Scan# 2310

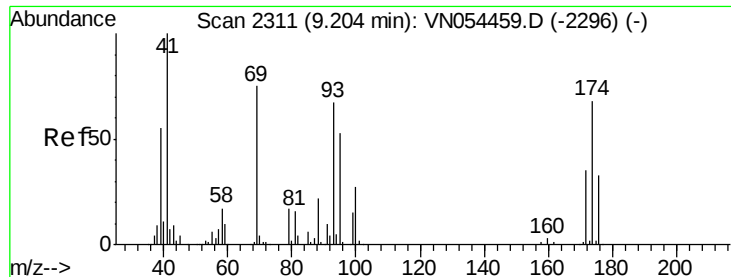
Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Tgt Ion:	41	Resp:	209133
Ion	Ratio	Lower	Upper
41	100		
69	73.8	72.6	108.8
39	56.7	47.5	71.3





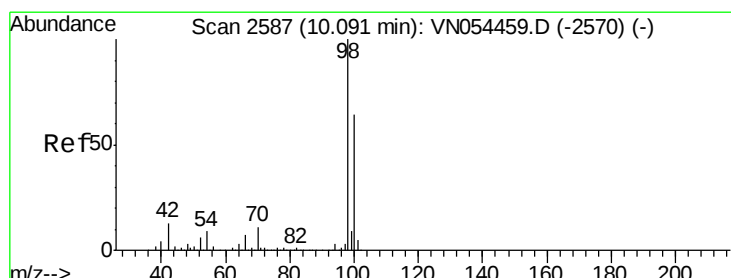
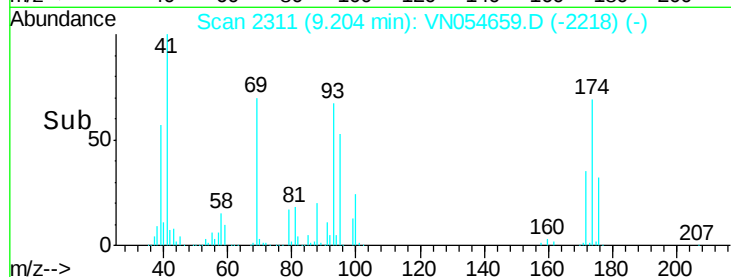
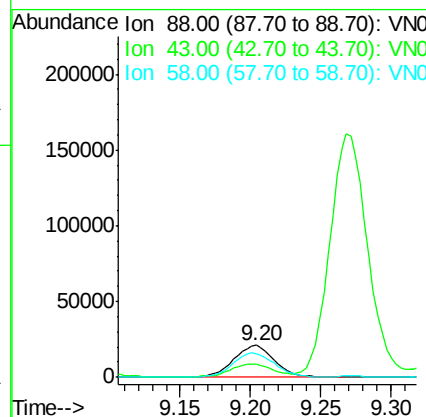
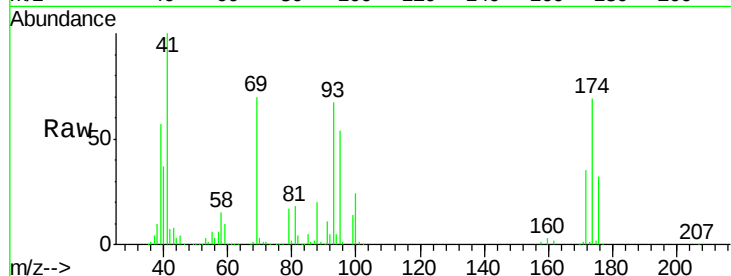
#49
1,4-Dioxane
Concen: 936.028 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.9	24.1	36.1#
58	77.5	50.8	76.2#

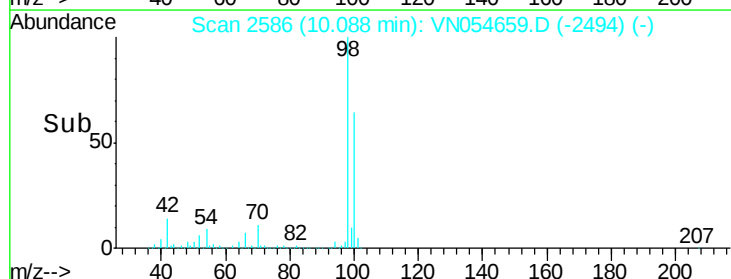
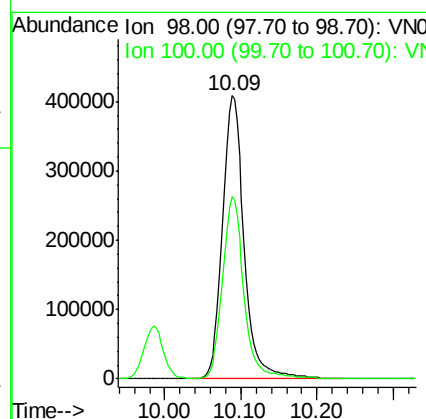
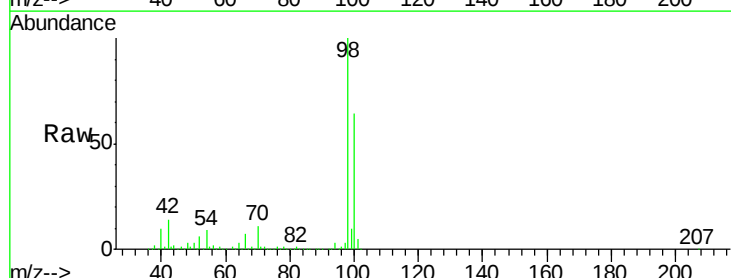
Manual Integrations
APPROVED

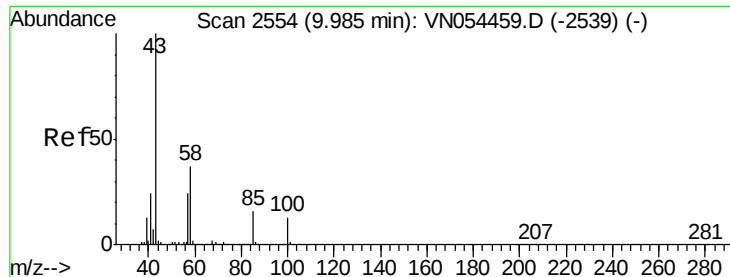
MMDadoda
3/26/2019 12:32:42 PM



#50
Toluene-d8
Concen: 49.531 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 269.883 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1131912

Ion Ratio Lower Upper

43 100

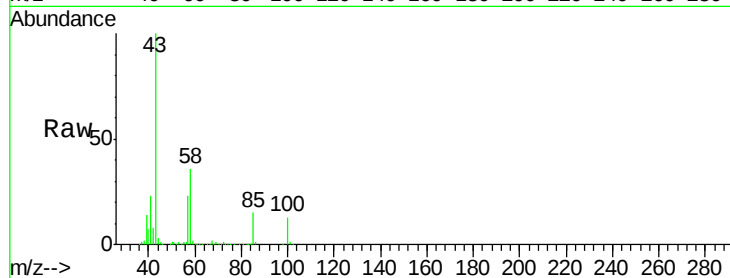
58 35.1 31.8 47.6

Manual Integrations

APPROVED

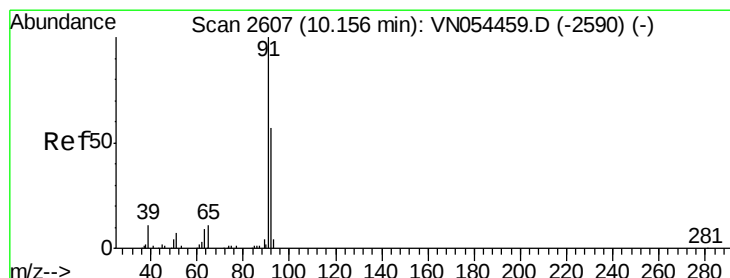
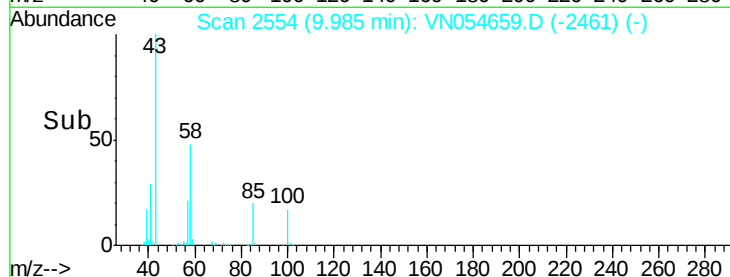
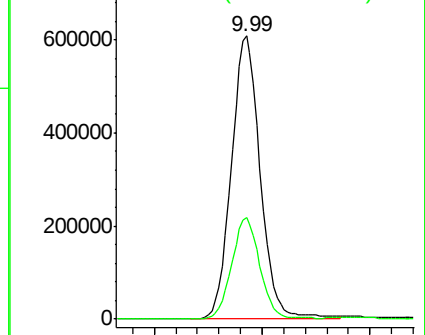
MMDadoda

3/26/2019 12:32:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.635 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054659.D

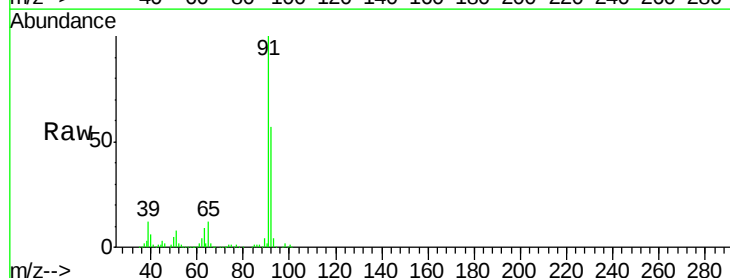
Acq: 25 Mar 2019 9:07

Tgt Ion: 92 Resp: 583231

Ion Ratio Lower Upper

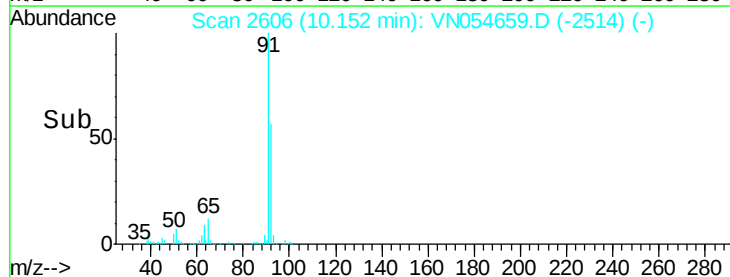
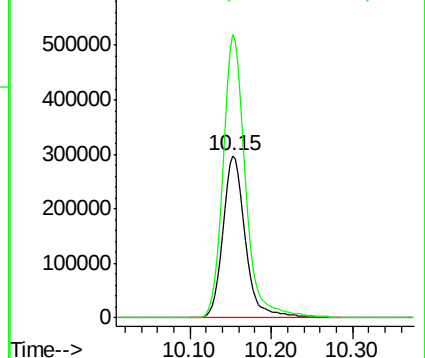
92 100

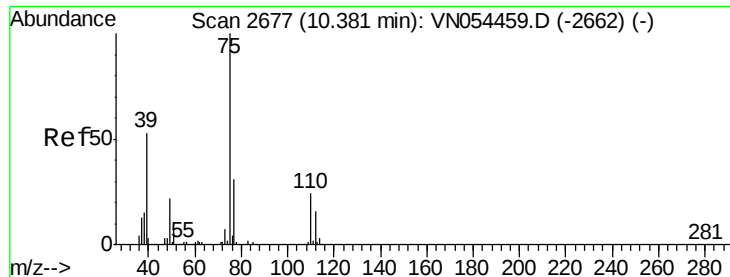
91 173.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





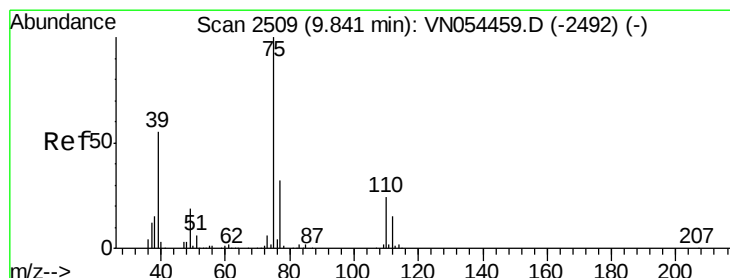
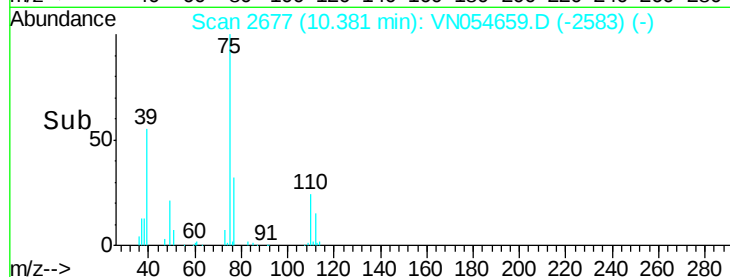
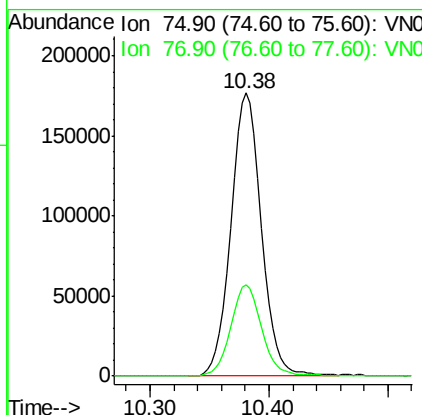
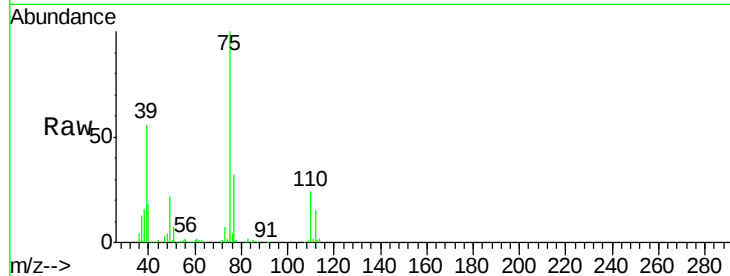
#53
t-1,3-Dichloropropene
Concen: 49.557 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	75	Resp	312990
Ion Ratio	Lower	Upper	
75	100		
77	32.2	25.8	38.8

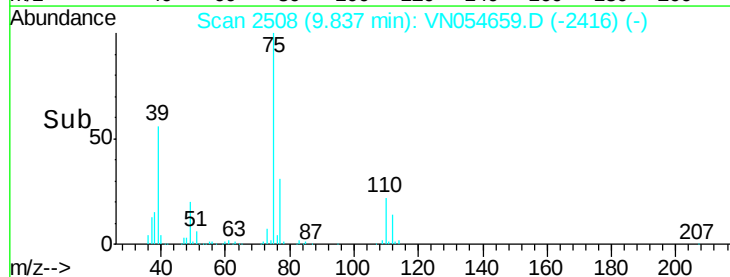
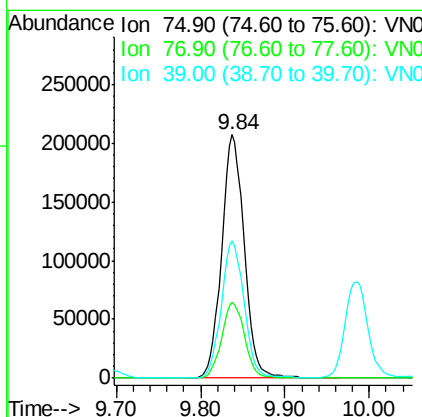
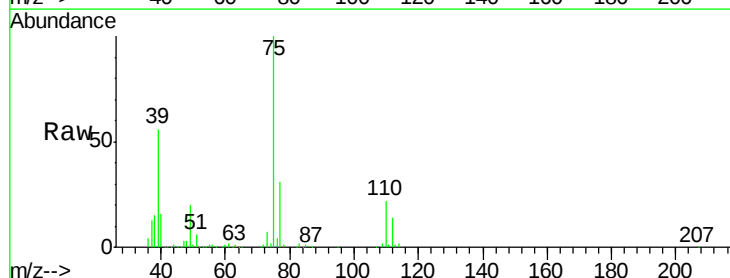
Manual Integrations
APPROVED

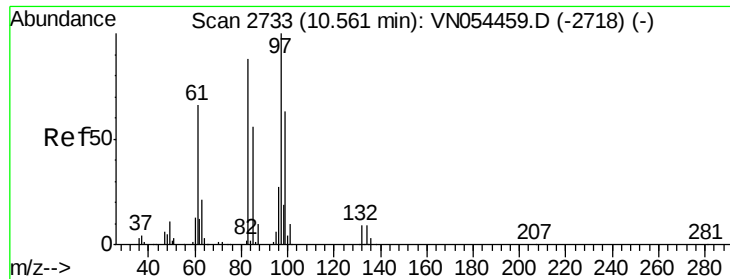
MMDadoda
3/26/2019 12:32:42 PM



#54
cis-1,3-Dichloropropene
Concen: 56.151 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion	75	Resp	385624
Ion Ratio	Lower	Upper	
75	100		
77	31.0	25.4	38.0
39	56.1	37.2	55.8#





#55

1,1,2-Trichloroethane

Concen: 52.608 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

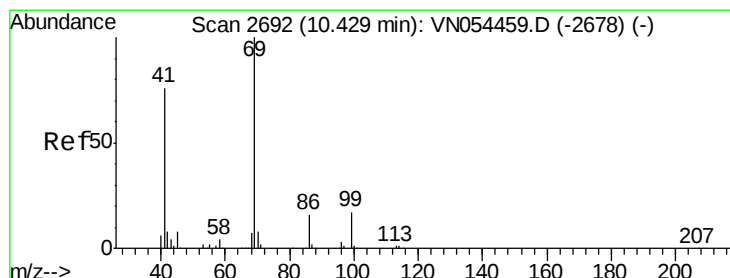
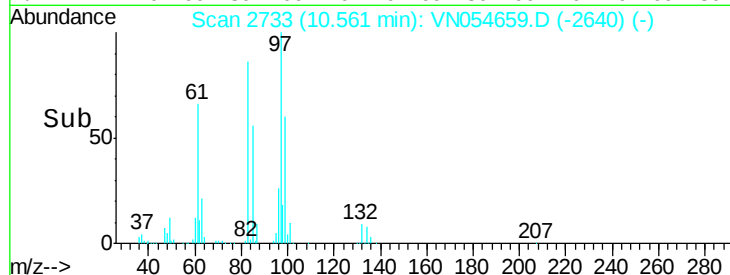
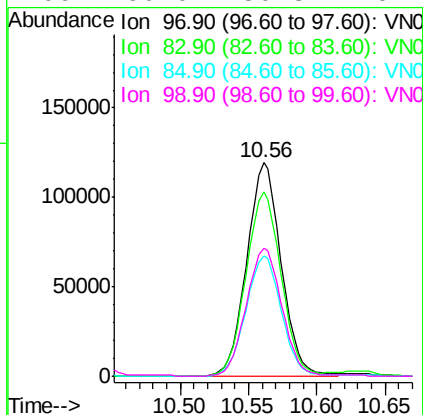
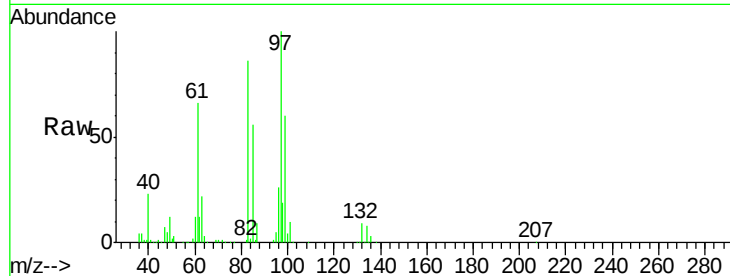
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	209545
Ion Ratio	Lower	Upper	
97	100		
83	86.1	66.6	100.0
85	56.2	44.4	66.6
99	60.0	50.8	76.2

Manual Integrations
APPROVED

MMDadoda
3/26/2019 12:32:42 PM



#56

Ethyl methacrylate

Concen: 52.124 ug/l

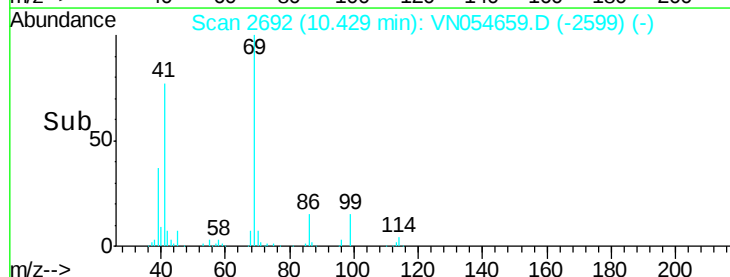
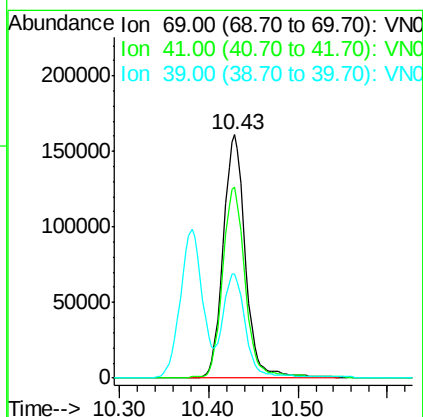
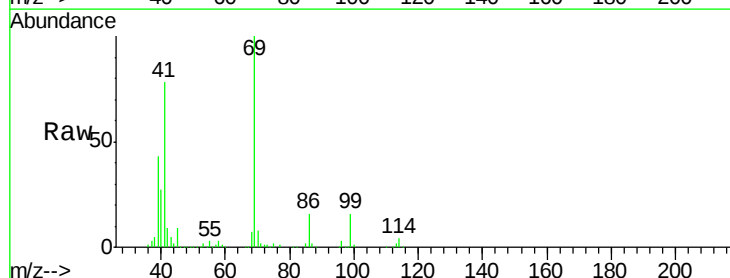
RT: 10.43 min Scan# 2692

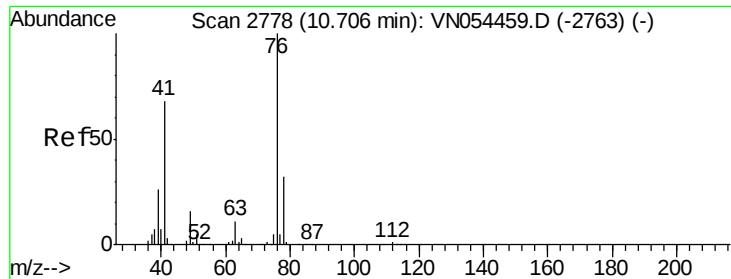
Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Tgt Ion:	69	Resp:	278664
Ion Ratio	Lower	Upper	
69	100		
41	78.2	49.4	74.2#
39	42.1	28.3	42.5





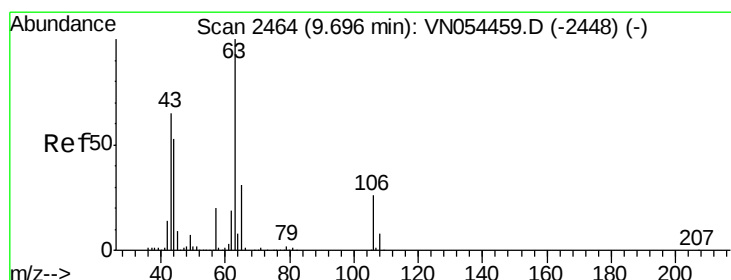
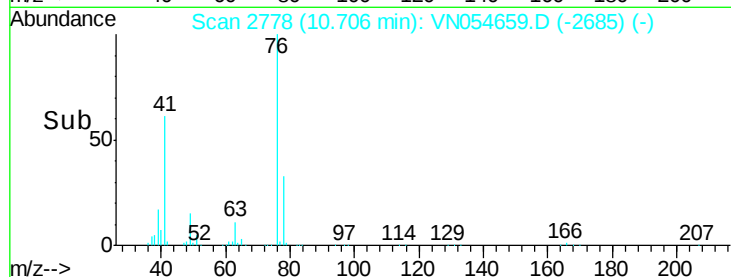
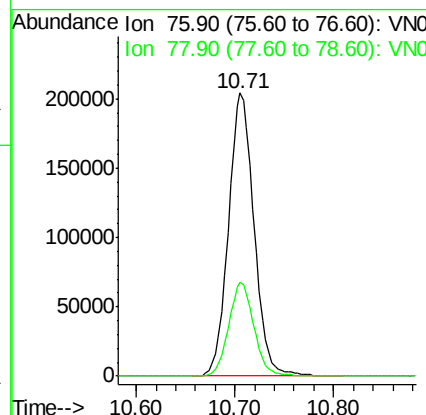
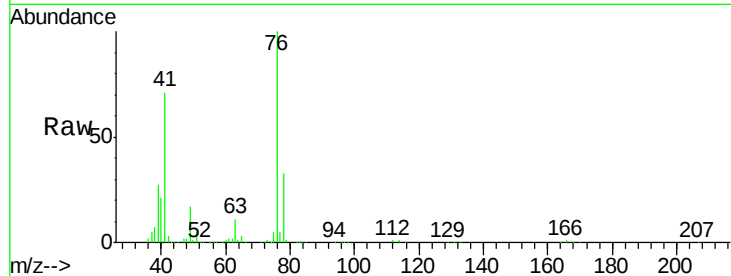
#57
 1,3-Dichloropropane
 Concen: 53.526 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 370609
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5

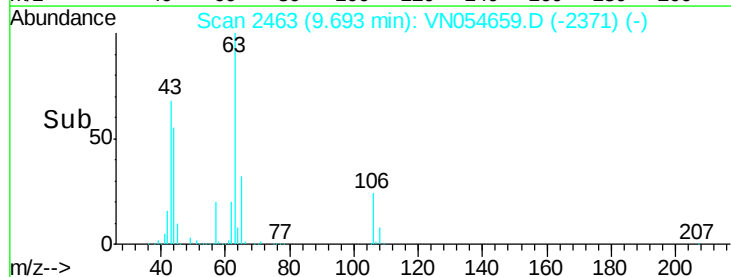
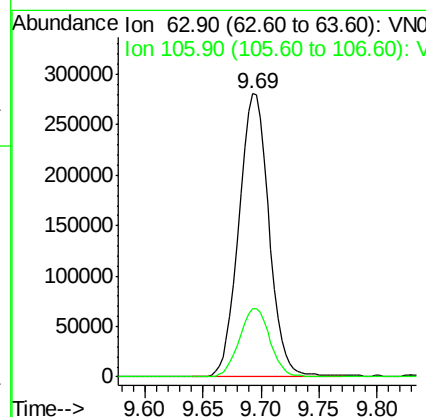
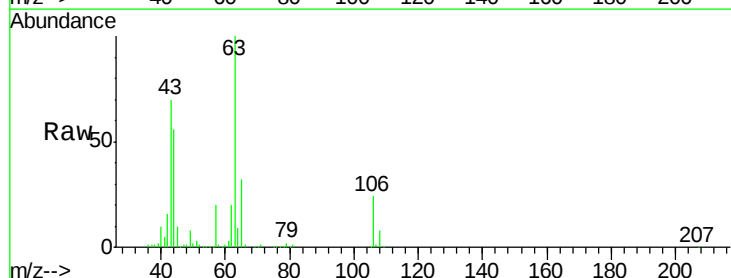
Manual Integrations
 APPROVED

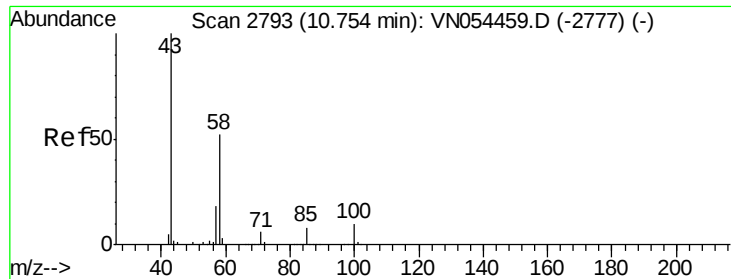
MMDadoda
 3/26/2019 12:32:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.810 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion: 63 Resp: 505909
 Ion Ratio Lower Upper
 63 100
 106 24.7 24.4 36.6





#59

2-Hexanone

Concen: 294.605 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 807081

Ion Ratio Lower Upper

43 100

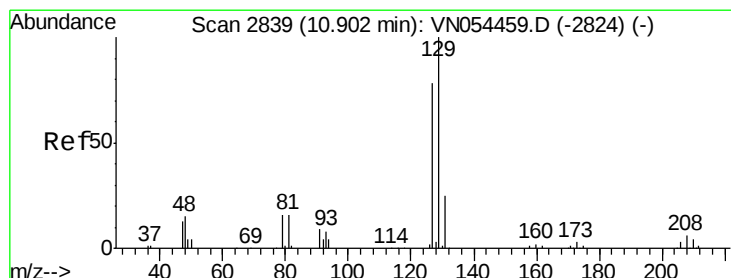
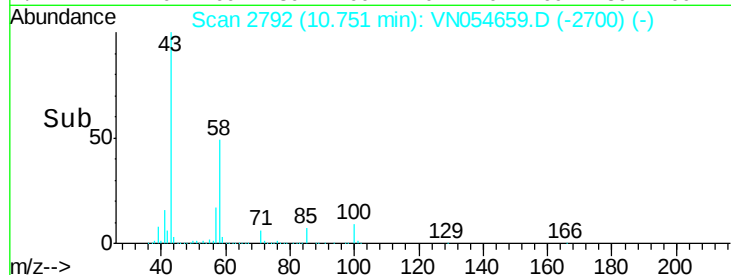
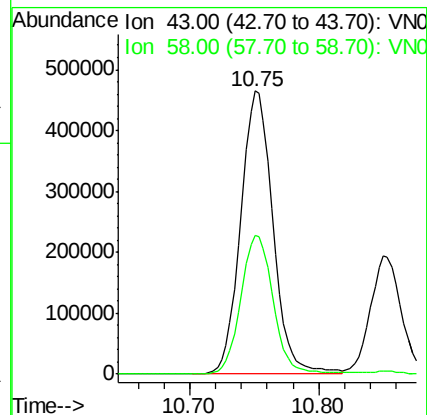
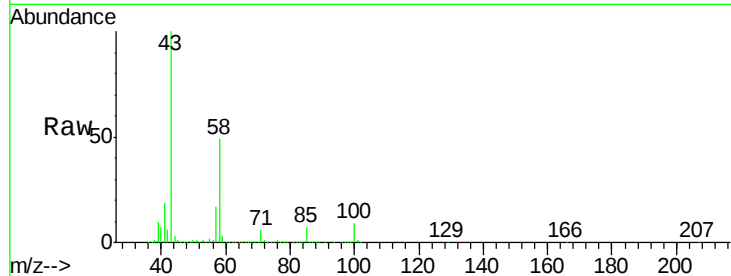
58 49.5 28.0 83.9

Manual Integrations

APPROVED

MMDadoda

3/26/2019 12:32:42 PM



#60

Dibromochloromethane

Concen: 53.958 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054659.D

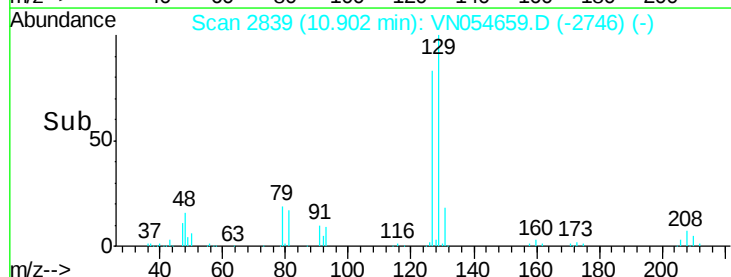
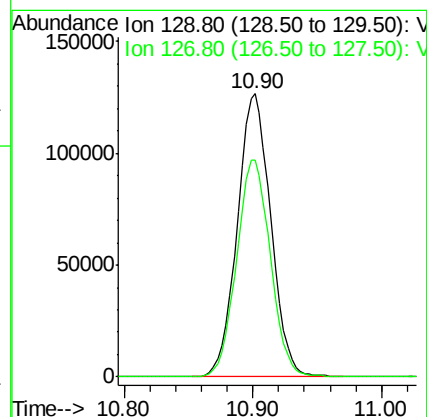
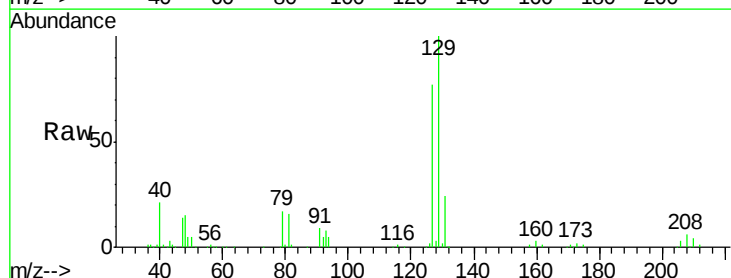
Acq: 25 Mar 2019 9:07

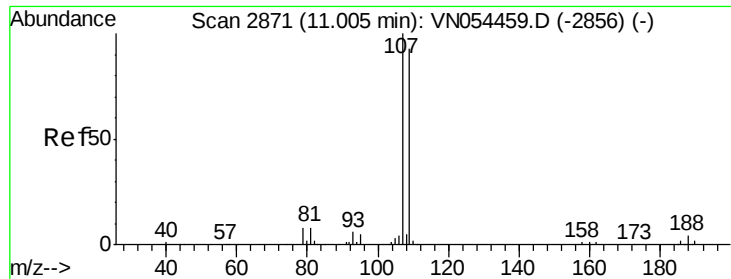
Tgt Ion: 129 Resp: 228697

Ion Ratio Lower Upper

129 100

127 77.1 38.6 115.8





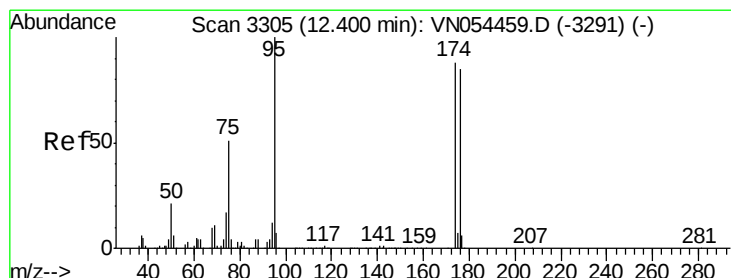
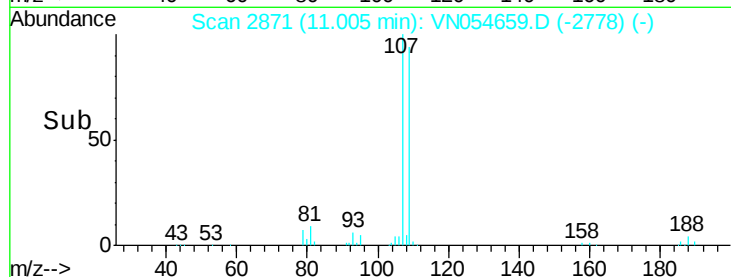
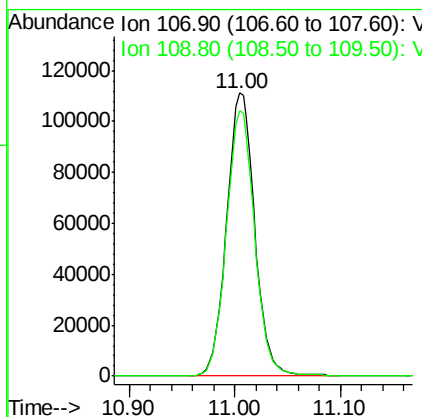
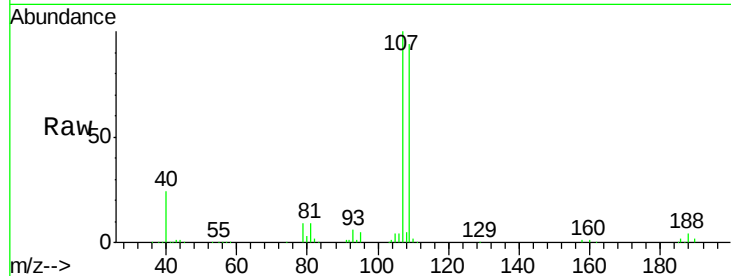
#61
 1,2-Dibromoethane
 Concen: 51.942 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	204537		
109	94.7	75.9	113.9	

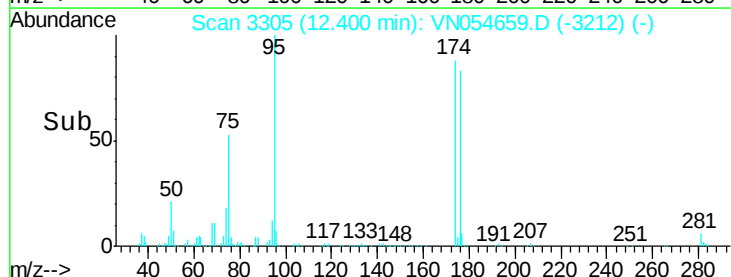
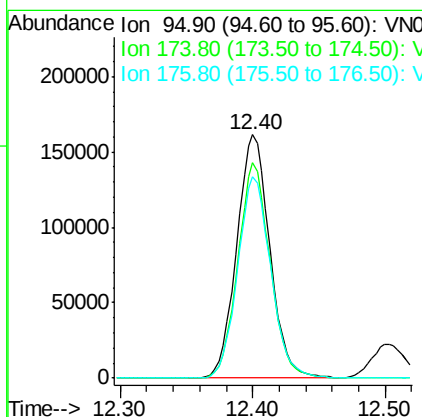
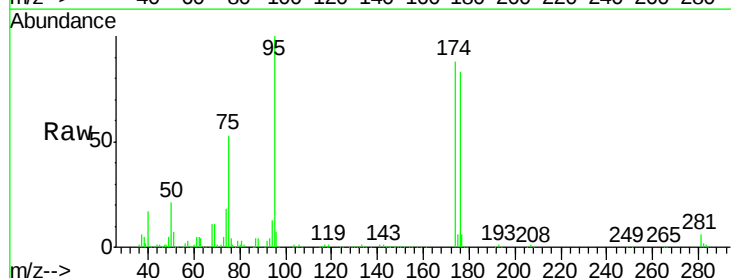
Manual Integrations
 APPROVED

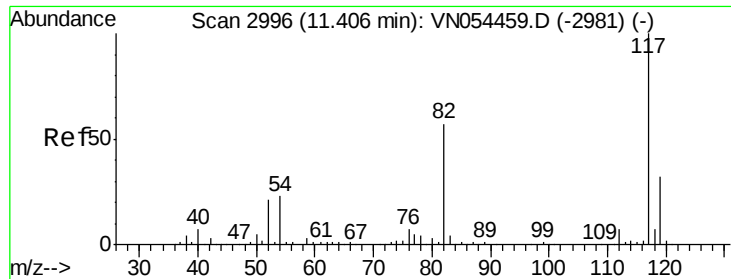
MMDadoda
 3/26/2019 12:32:42 PM



#62
 4-Bromofluorobenzene
 Concen: 50.302 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	279349		
174	86.3	0.0	191.0	
176	82.9	0.0	187.4	





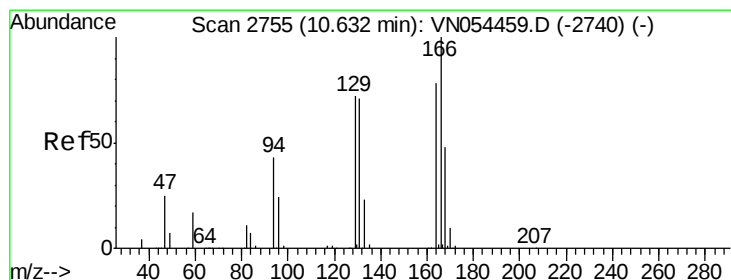
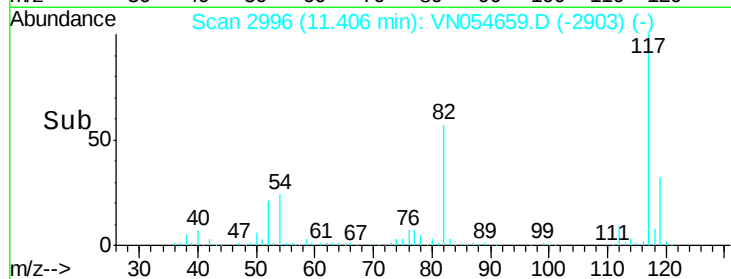
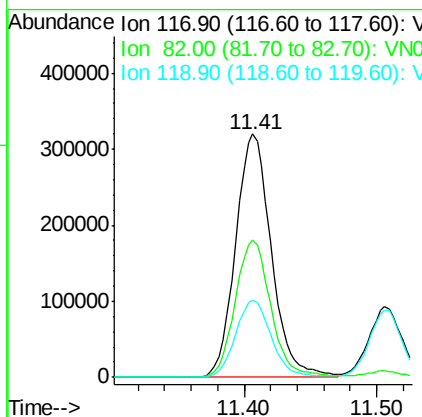
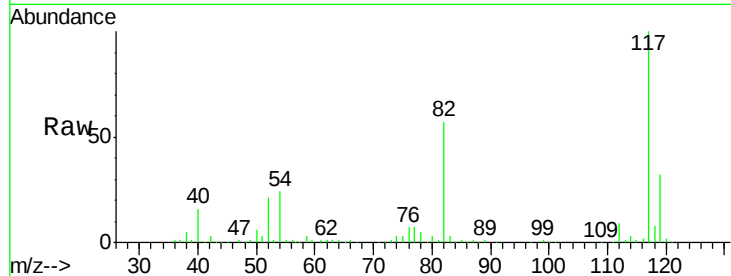
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	40.0	60.0
119	31.7	25.8	38.6

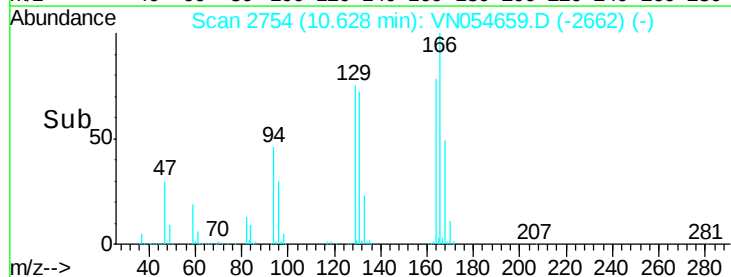
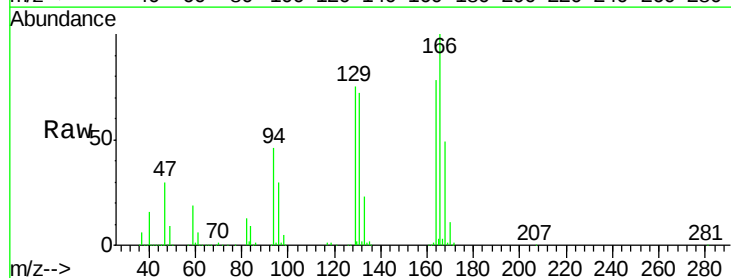
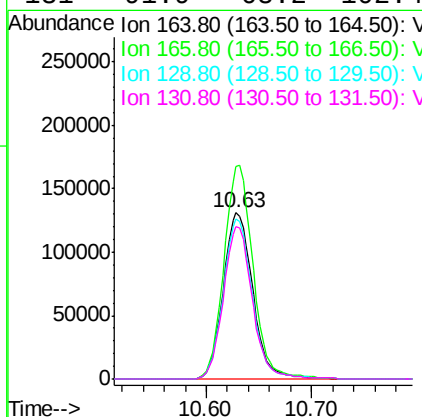
Manual Integrations
APPROVED

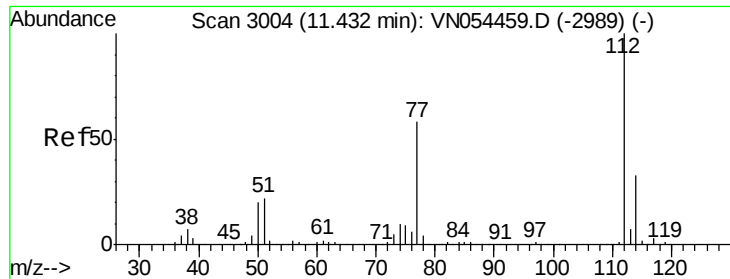
MMDadoda
3/26/2019 12:32:42 PM



#64
Tetrachloroethene
Concen: 51.003 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	103.9	155.9
129	96.6	71.1	106.7
131	91.9	68.2	102.4





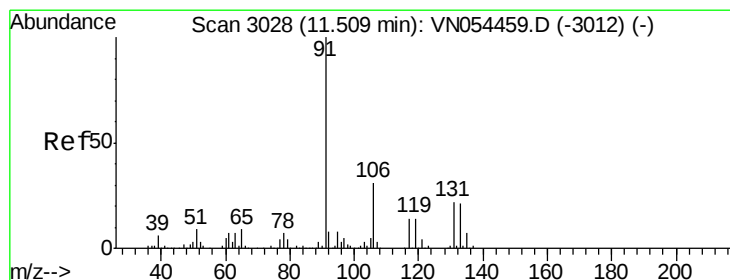
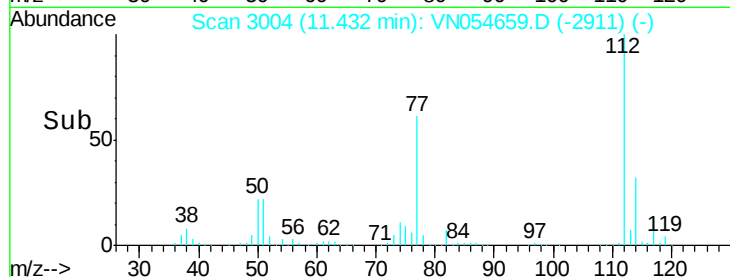
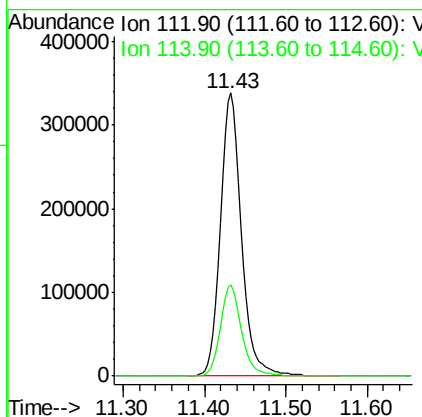
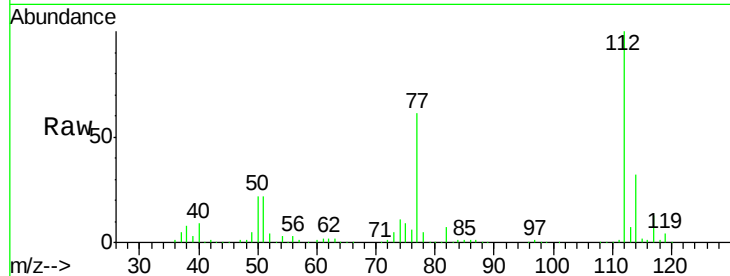
#65
Chlorobenzene
Concen: 50.748 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 619120
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9

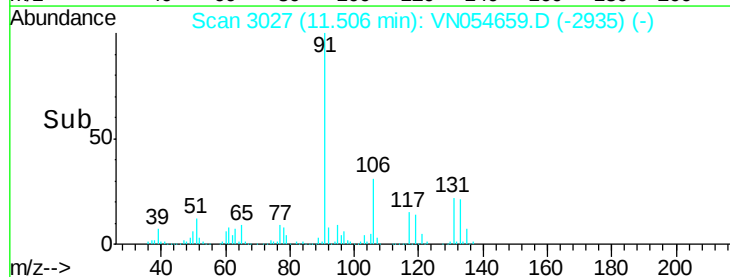
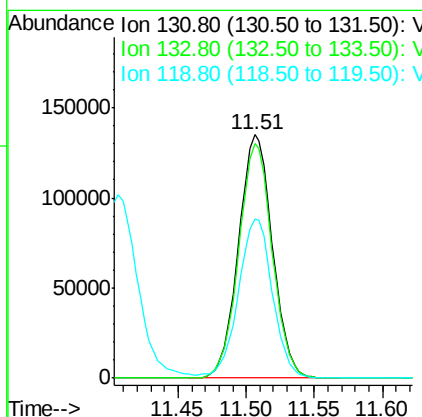
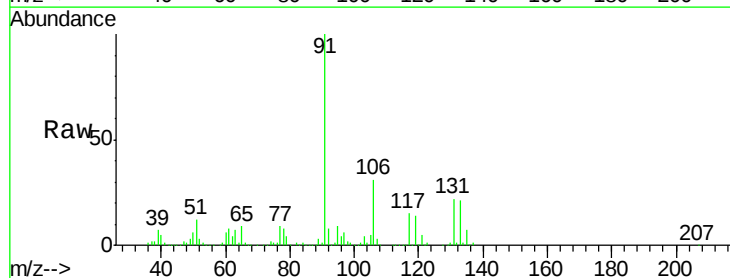
Manual Integrations
APPROVED

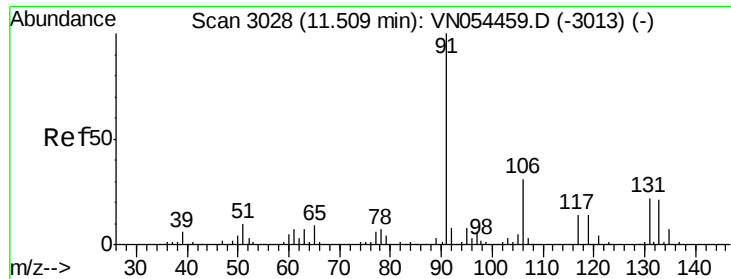
MMDadoda
3/26/2019 12:32:42 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.172 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion:131 Resp: 232837
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 65.5 32.4 97.0





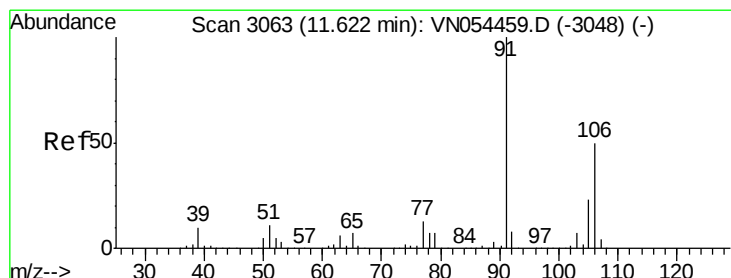
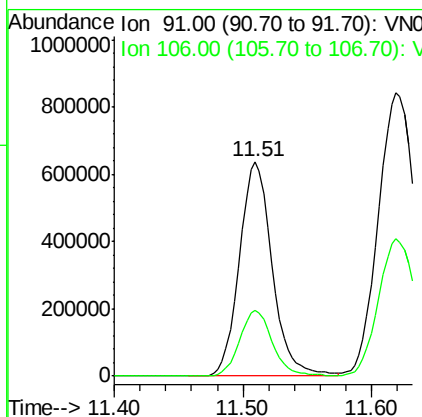
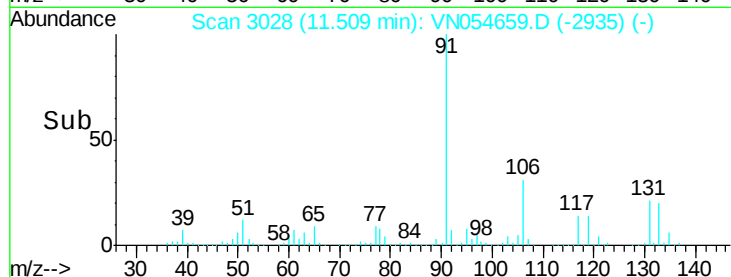
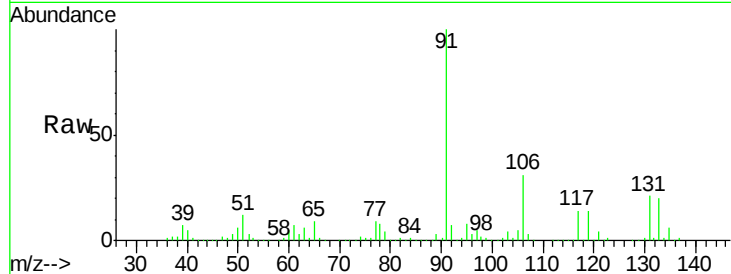
#67
Ethyl Benzene
Concen: 52.474 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1130842
Ion Ratio Lower Upper
91 100
106 30.9 25.5 38.3

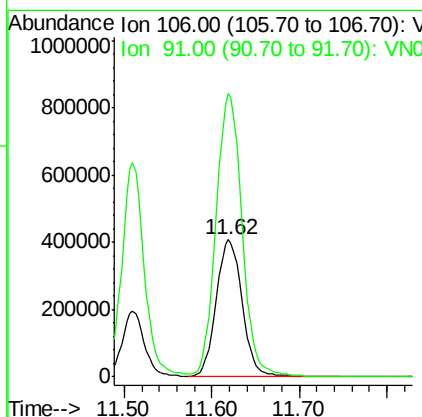
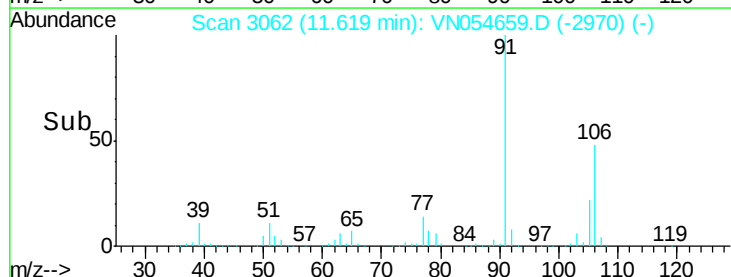
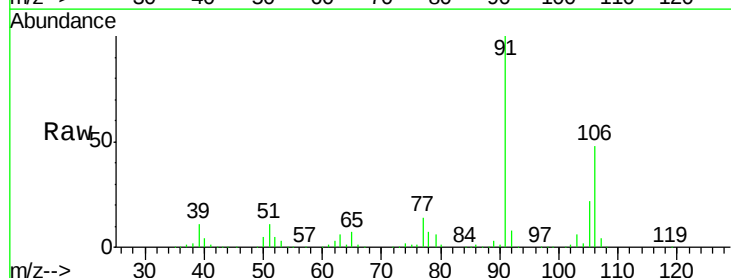
Manual Integrations
APPROVED

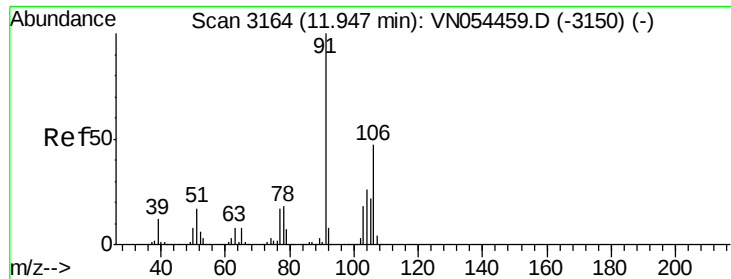
MMDadoda
3/26/2019 12:32:42 PM



#68
m/p-Xylenes
Concen: 103.505 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion: 106 Resp: 844889
Ion Ratio Lower Upper
106 100
91 206.4 159.4 239.2





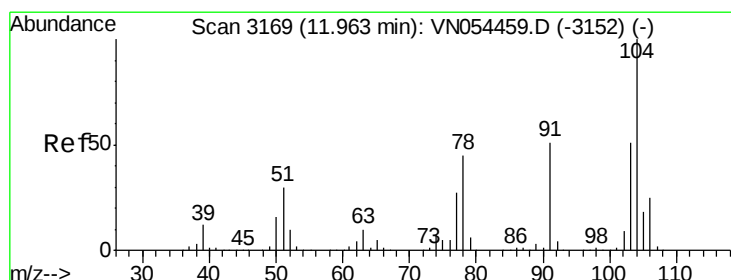
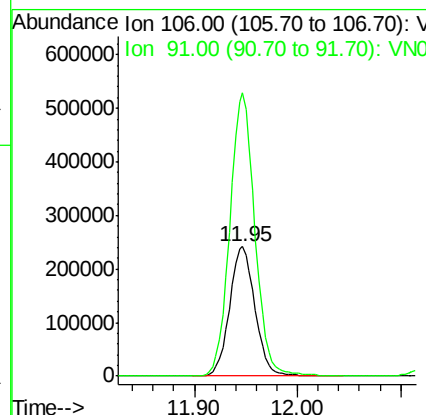
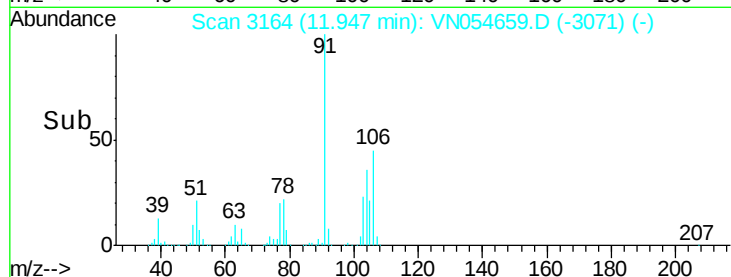
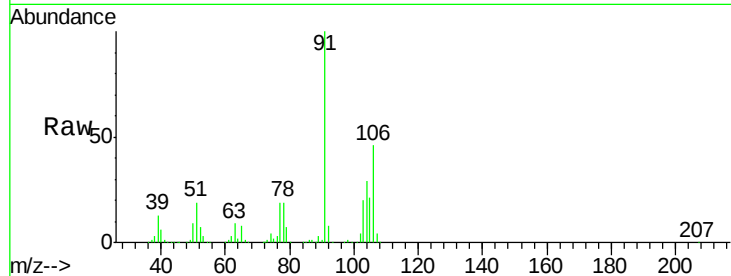
#69
o-Xylene
Concen: 52.011 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 414620
Ion Ratio Lower Upper
106 100
91 215.3 105.7 317.1

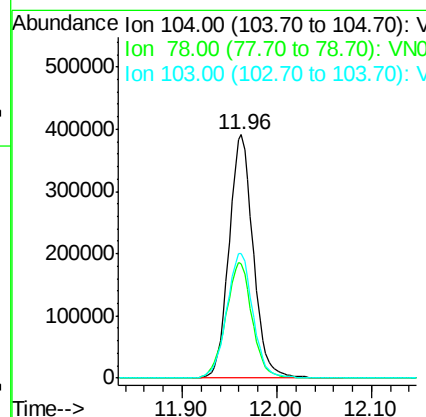
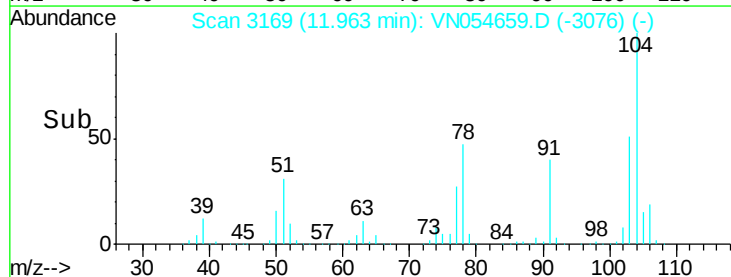
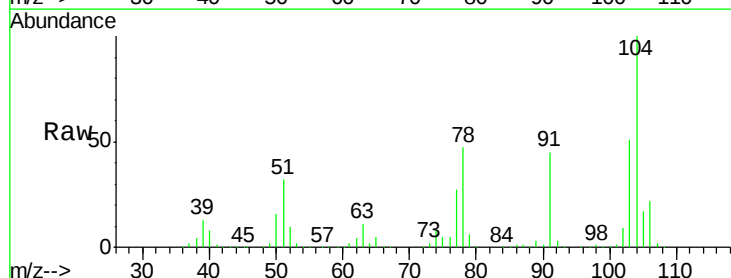
Manual Integrations
APPROVED

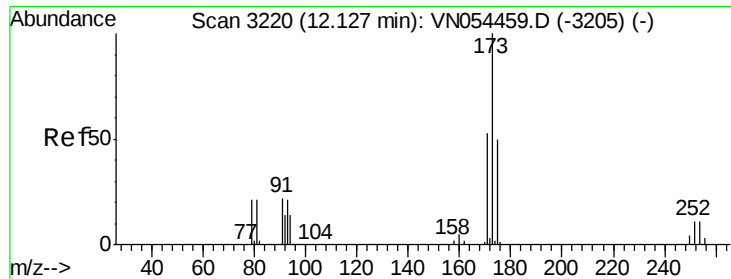
MMDadoda
3/26/2019 12:32:42 PM



#70
Styrene
Concen: 53.699 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion:104 Resp: 695170
Ion Ratio Lower Upper
104 100
78 51.5 38.2 57.2
103 55.5 44.4 66.6





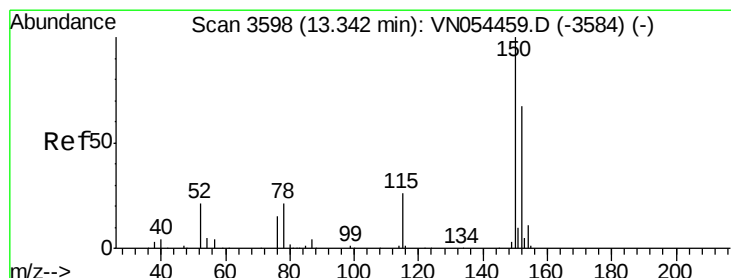
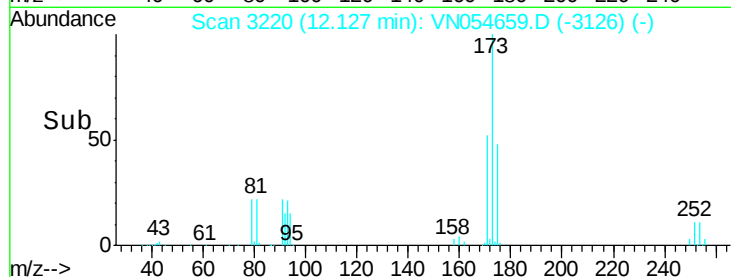
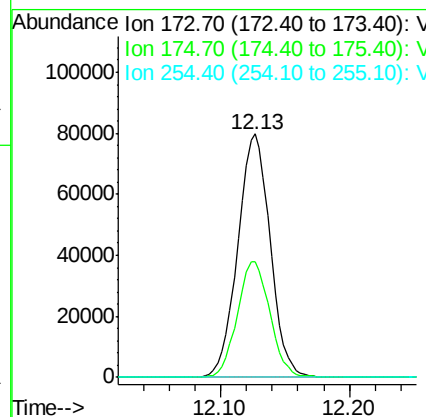
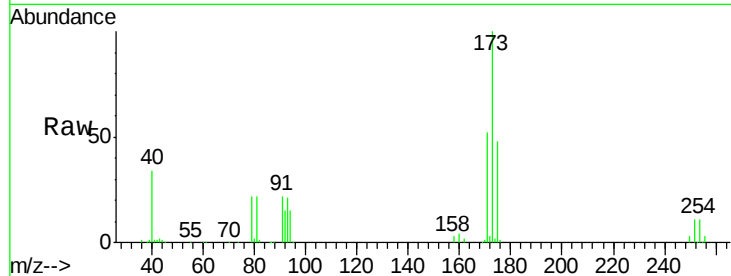
#71
Bromoform
Concen: 46.263 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.4	73.2
254	0.1	0.1	0.1#

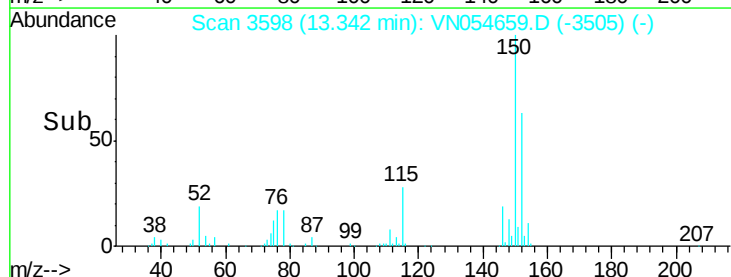
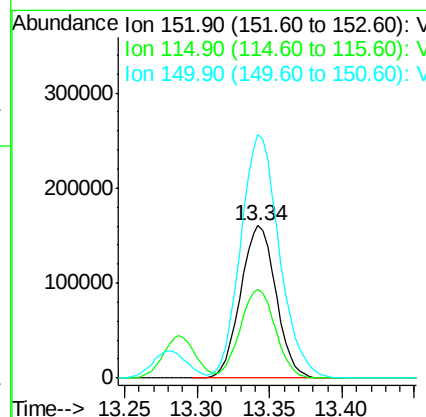
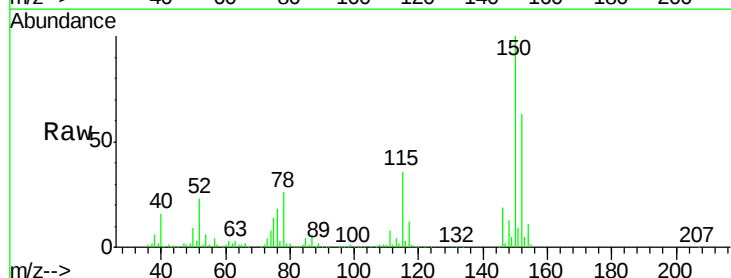
Manual Integrations
APPROVED

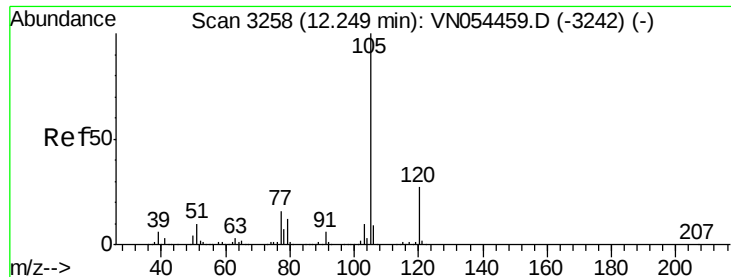
MMDadoda
3/26/2019 12:32:42 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	27.2	81.6
150	174.6	0.0	349.2





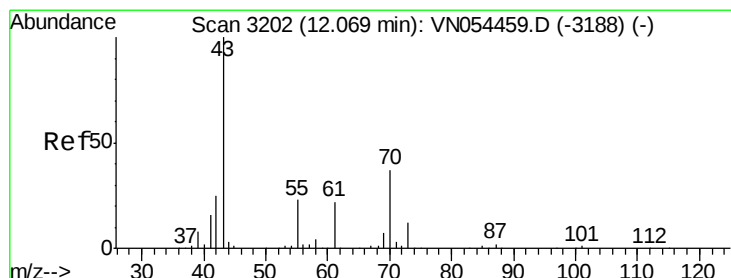
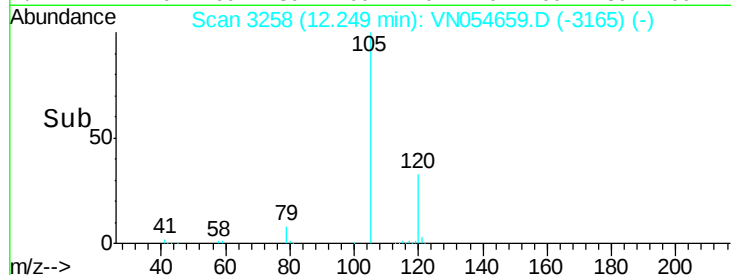
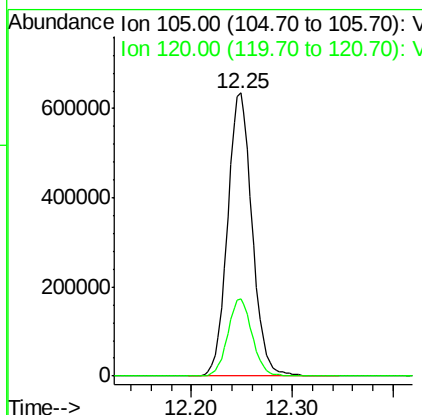
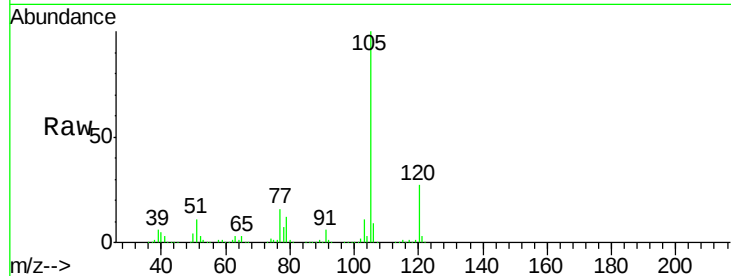
#73
Isopropylbenzene
Concen: 49.362 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1081704
Ion Ratio Lower Upper
105 100
120 27.1 13.8 41.3

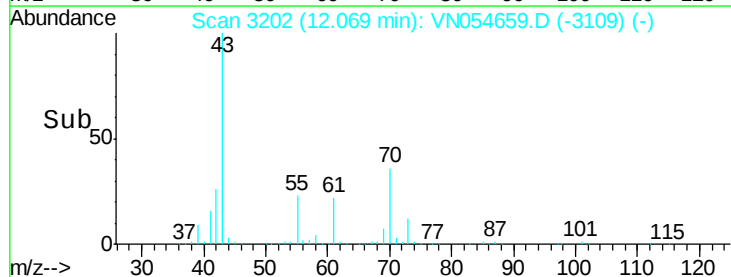
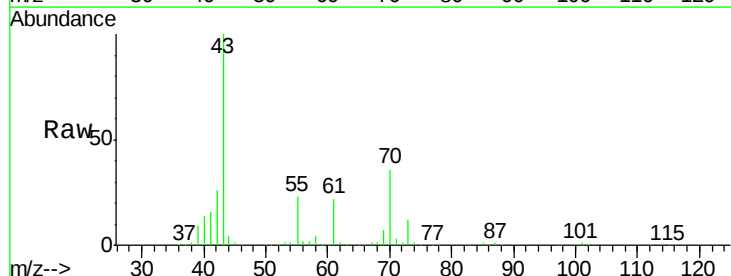
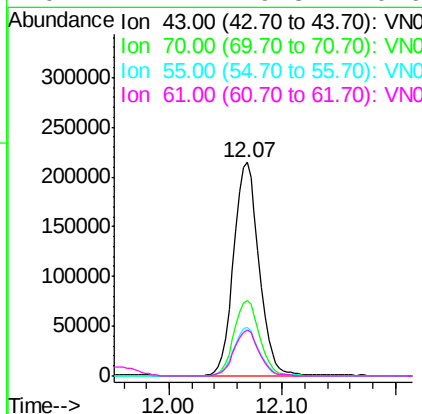
Manual Integrations
APPROVED

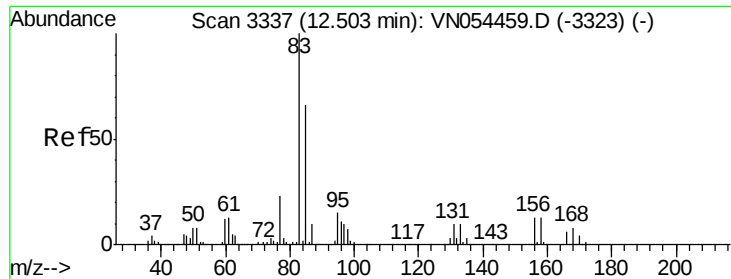
MMDadoda
3/26/2019 12:32:42 PM



#74
N-ethyl acetate
Concen: 53.600 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion: 43 Resp: 337730
Ion Ratio Lower Upper
43 100
70 35.7 35.4 53.0
55 22.9 19.8 29.6
61 21.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.369 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

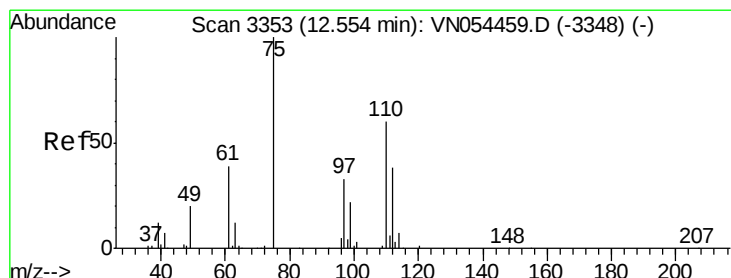
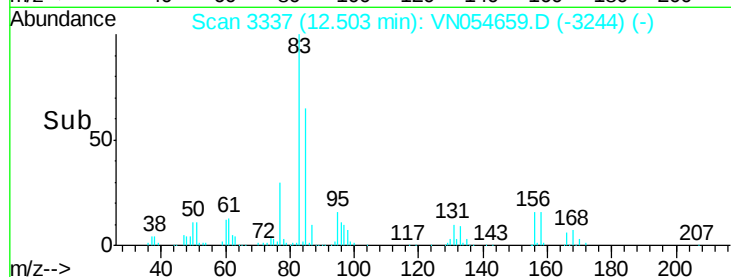
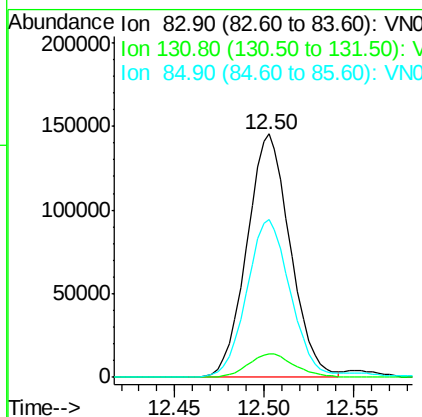
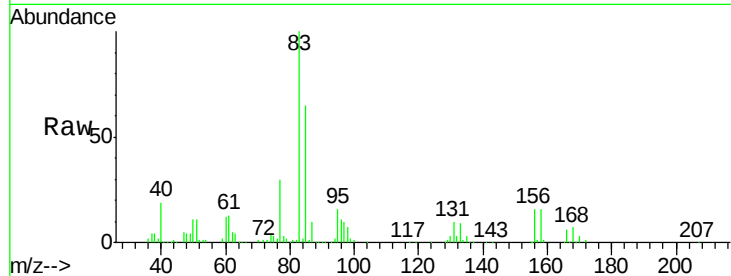
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	246964
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.8	17.4
85	65.0	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
3/26/2019 12:32:42 PM



#76

1,2,3-Trichloropropane

Concen: 51.947 ug/l m

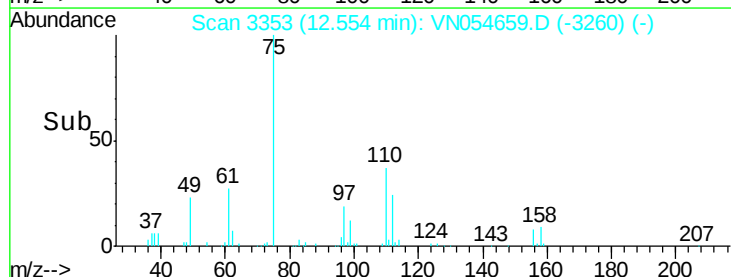
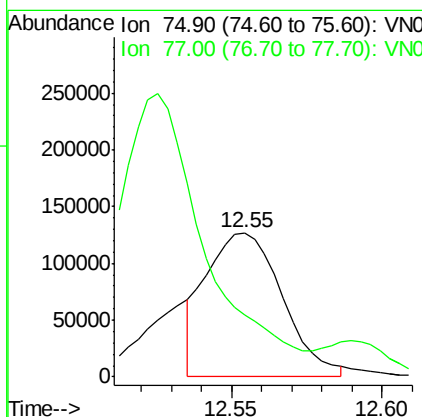
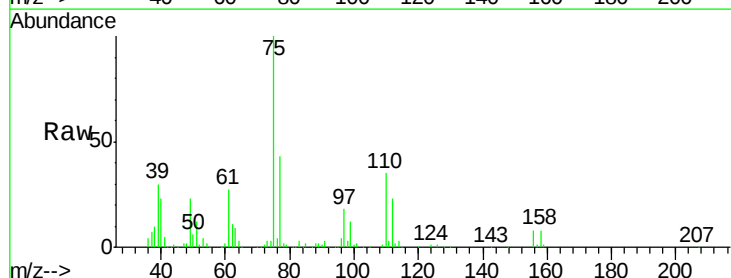
RT: 12.55 min Scan# 3353

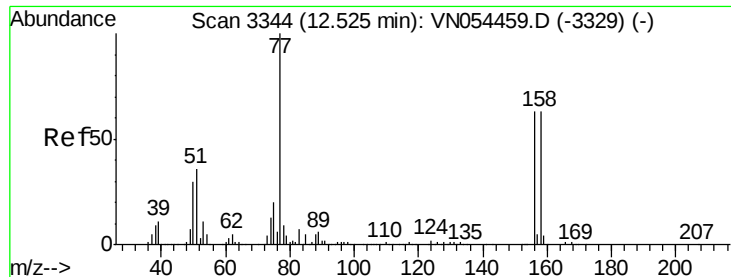
Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Tgt Ion:	75	Resp:	224167
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.307 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

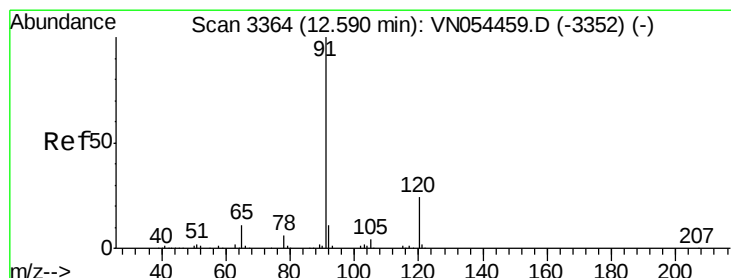
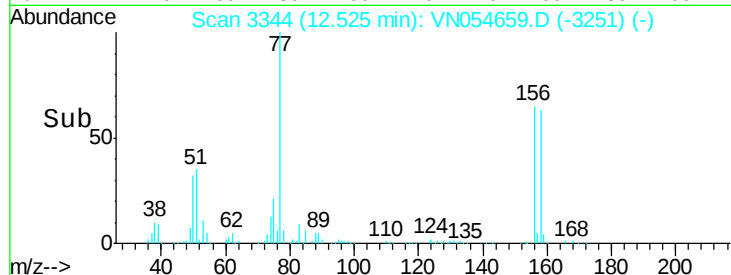
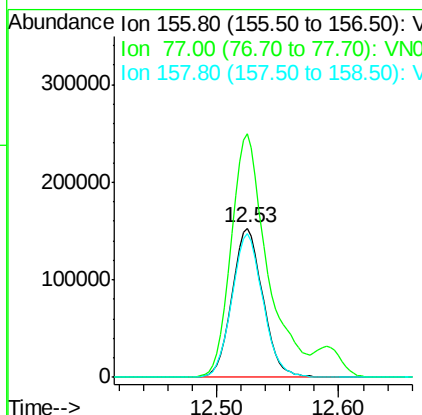
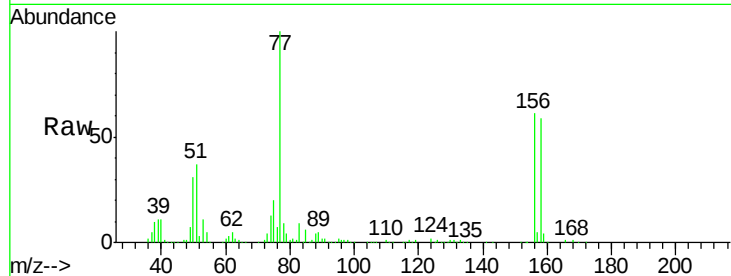
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	267980
Ion Ratio	Lower	Upper	
156	100		
77	192.2	81.5	244.4
158	97.1	49.0	147.2

Manual Integrations
APPROVED

MMDadoda
3/26/2019 12:32:42 PM



#78

n-propylbenzene

Concen: 52.235 ug/l

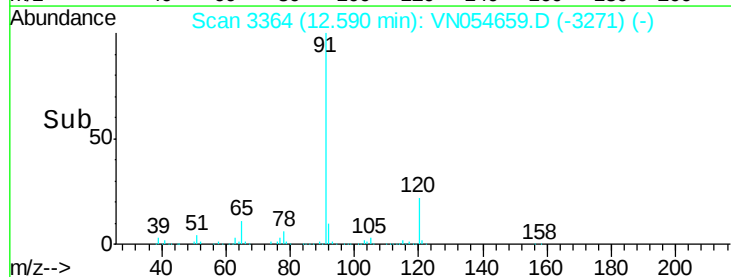
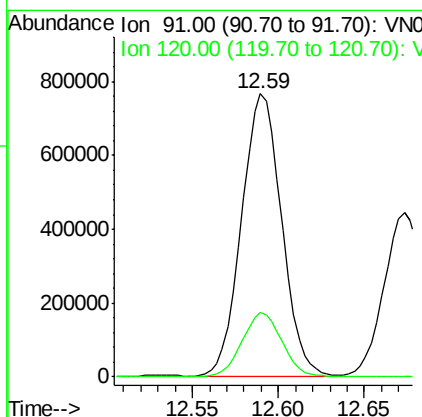
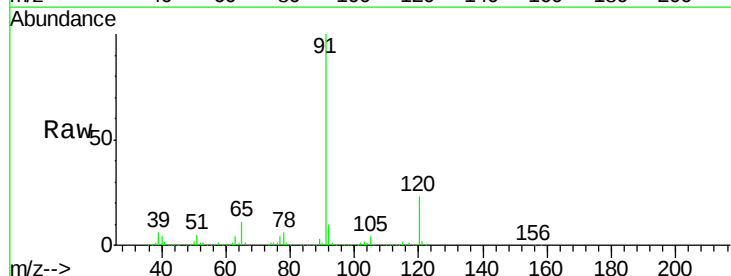
RT: 12.59 min Scan# 3364

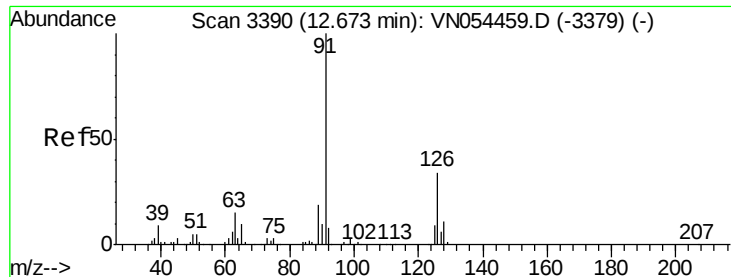
Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Tgt Ion:	91	Resp:	1241235
Ion Ratio	Lower	Upper	
91	100		
120	22.6	12.3	36.9





#79

2-Chlorotoluene

Concen: 50.218 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 744131

Ion Ratio Lower Upper

91 100

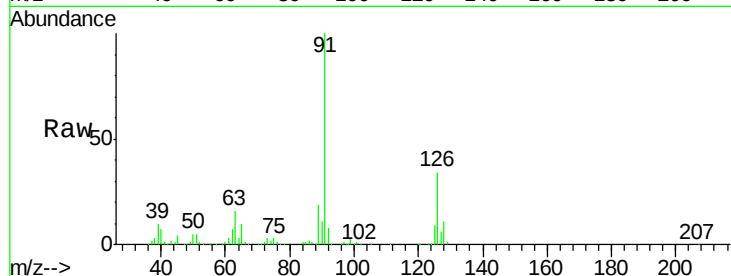
126 34.5 18.7 56.1

Manual Integrations

APPROVED

MMDadoda

3/26/2019 12:32:42 PM



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)

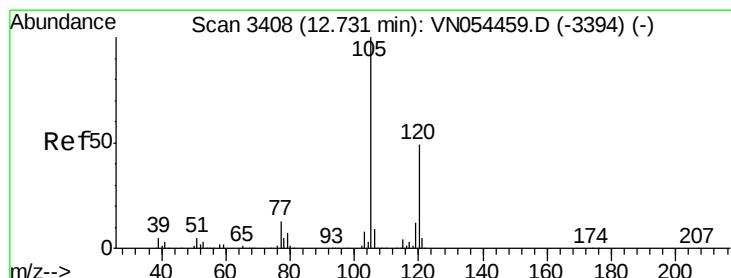
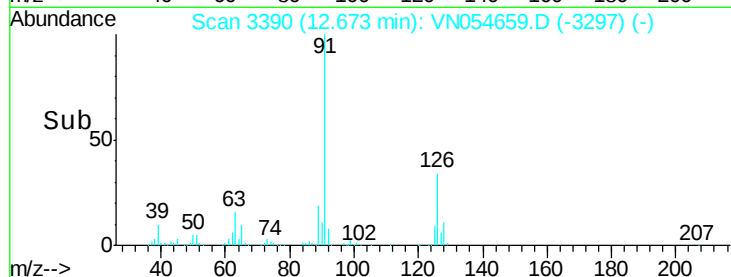
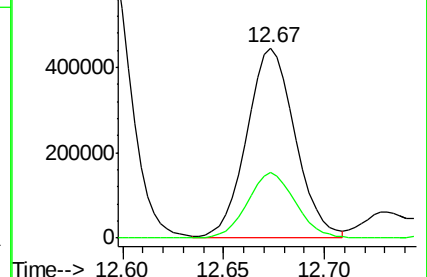
600000

400000

200000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 50.799 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054659.D

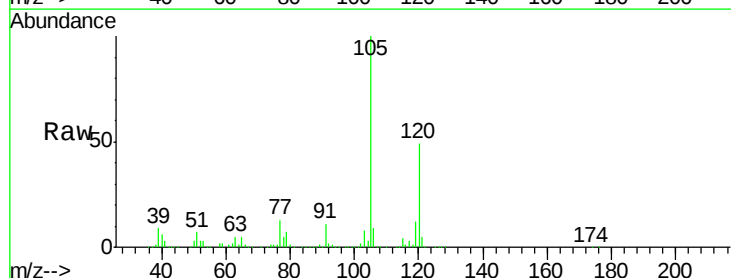
Acq: 25 Mar 2019 9:07

Tgt Ion: 105 Resp: 912359

Ion Ratio Lower Upper

105 100

120 48.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

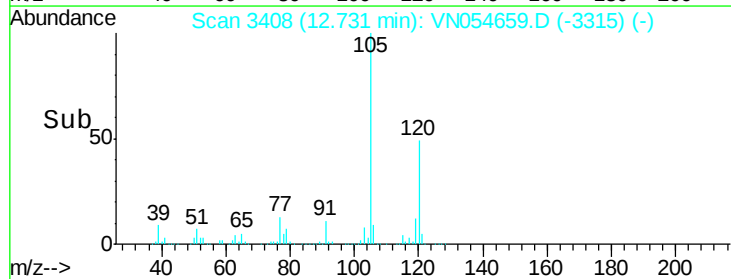
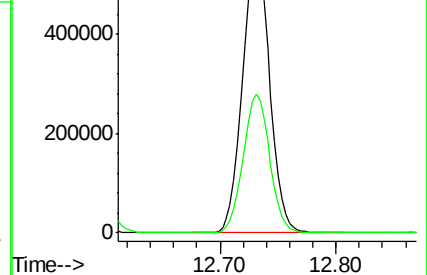
600000

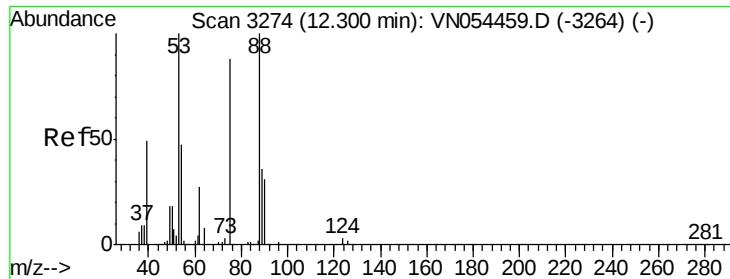
400000

200000

0

12.70 12.80





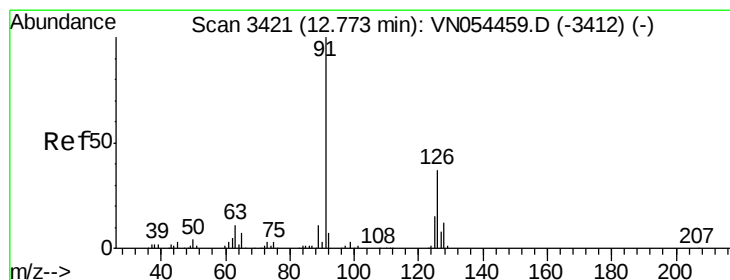
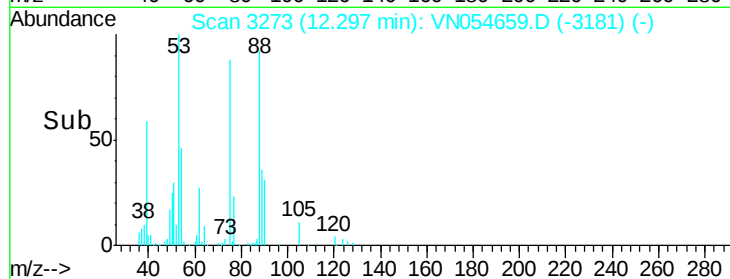
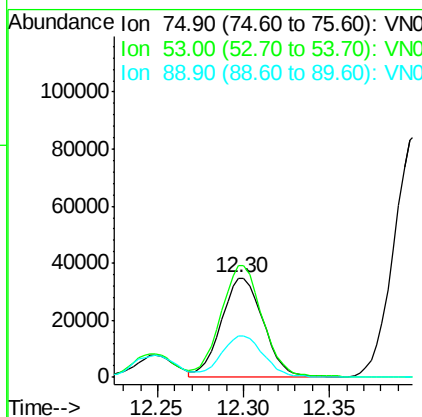
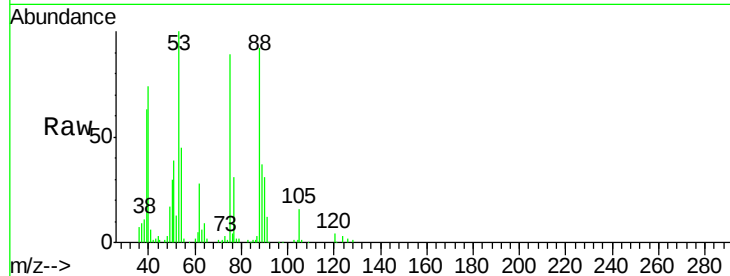
#81
trans-1,4-Dichloro-2-butene
Concen: 48.110 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.9	76.2	114.2
89	42.2	39.2	58.8

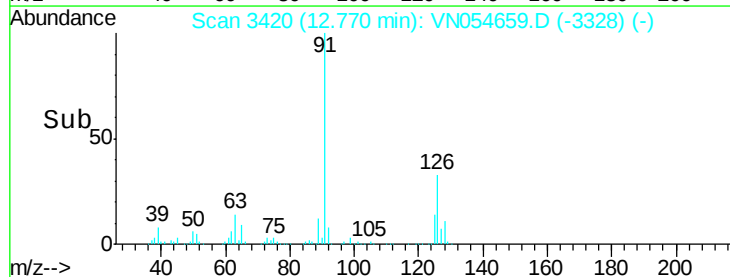
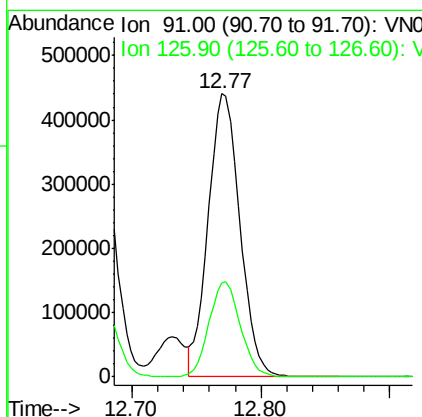
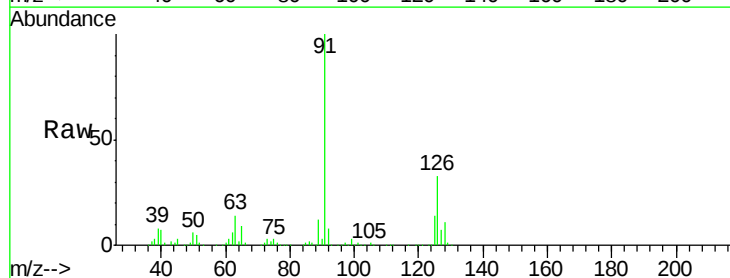
Manual Integrations
APPROVED

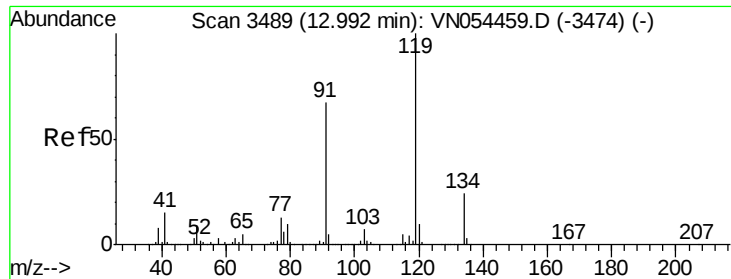
MMDadoda
3/26/2019 12:32:42 PM



#82
4-Chlorotoluene
Concen: 52.268 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	18.1	54.1





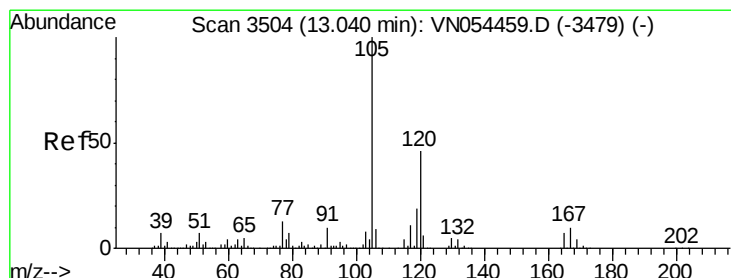
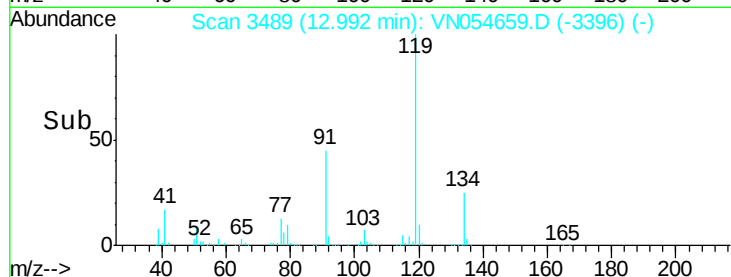
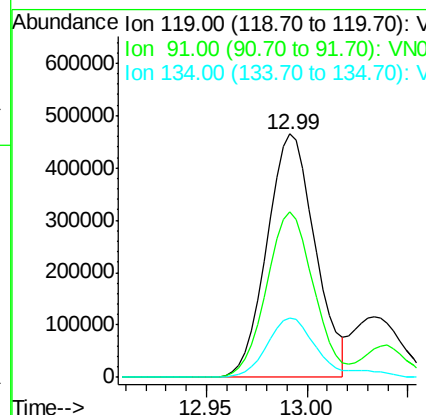
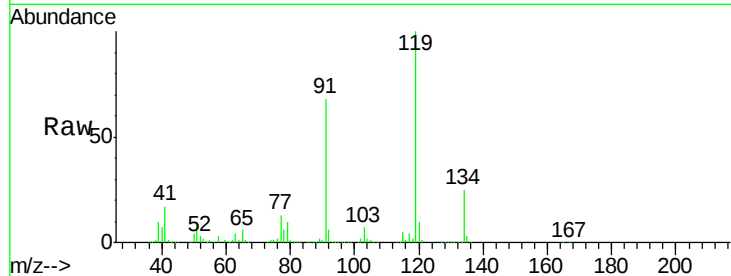
#83
tert-Butylbenzene
Concen: 49.316 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	770982		
91	66.6		30.9	92.8
134	26.3		13.2	39.6

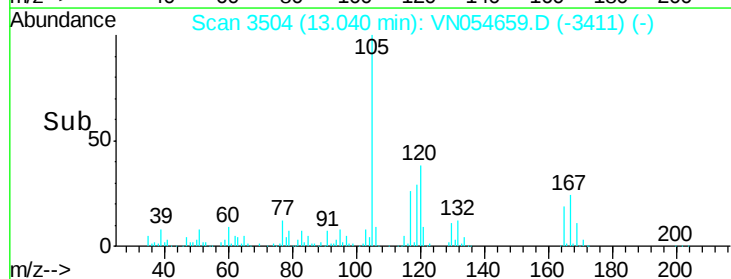
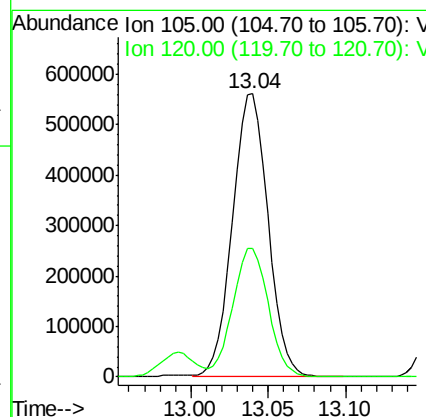
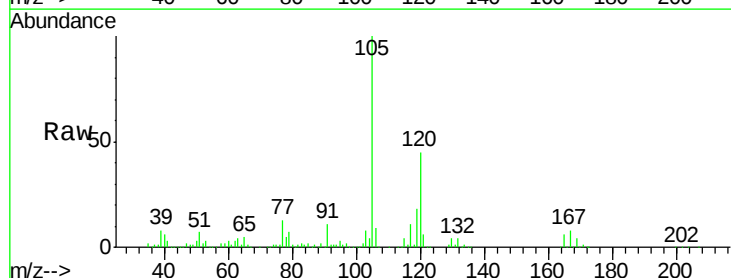
Manual Integrations
APPROVED

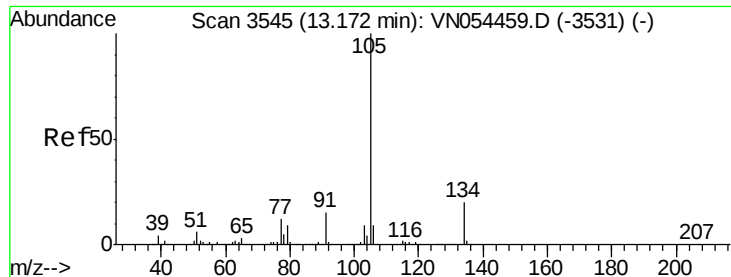
MMDadoda
3/26/2019 12:32:42 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.733 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	894059		
120	45.5		23.4	70.3





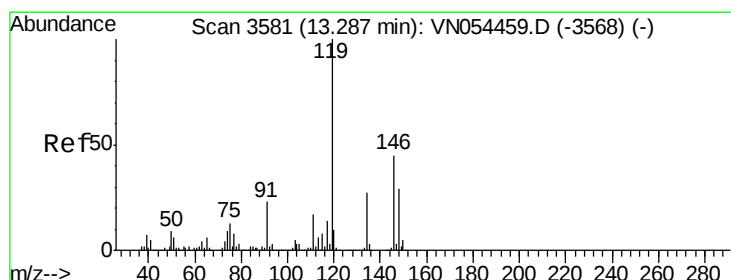
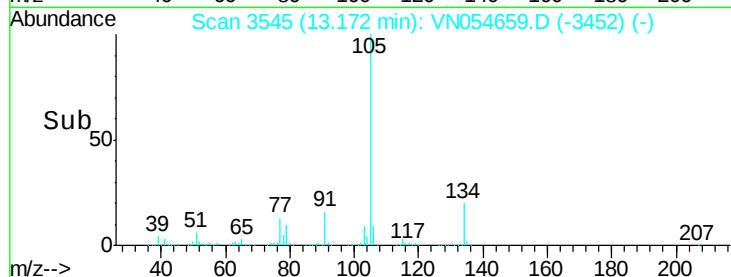
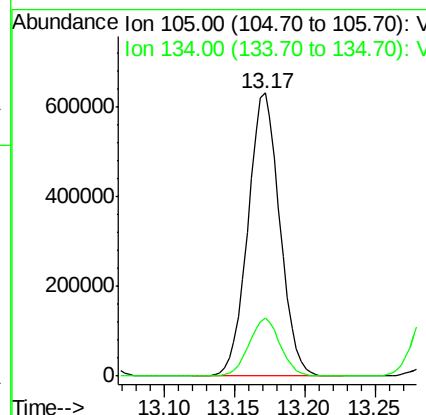
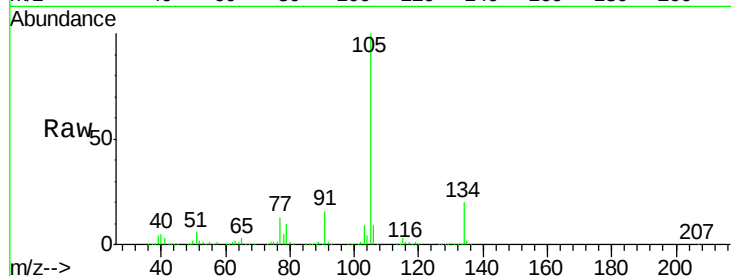
#85
 sec-Butylbenzene
 Concen: 51.182 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.7	32.1

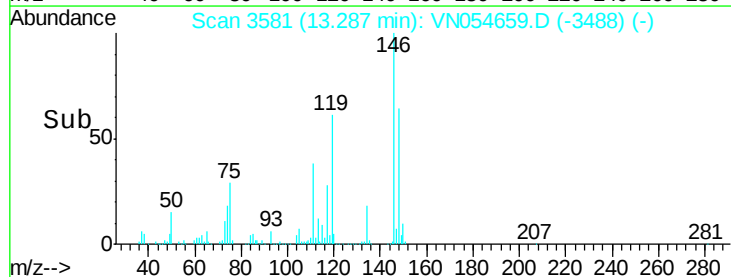
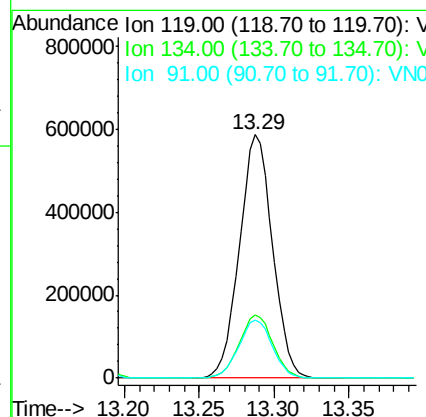
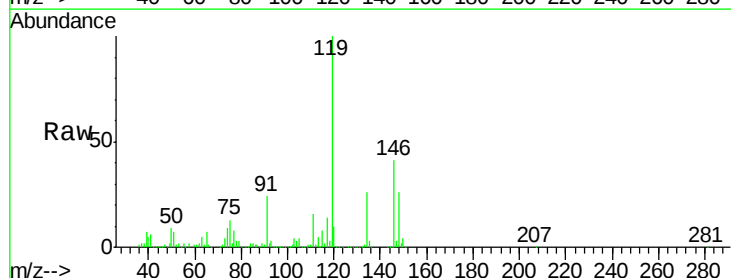
Manual Integrations
 APPROVED

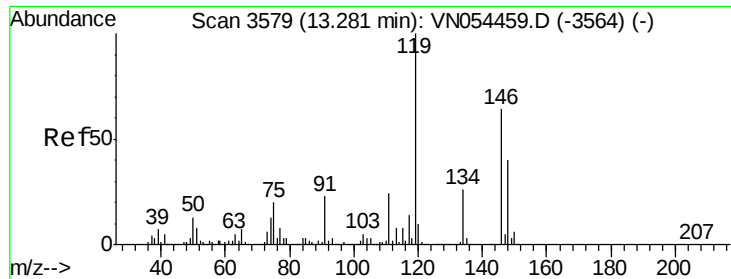
MMDadoda
 3/26/2019 12:32:42 PM



#86
 p-Isopropyltoluene
 Concen: 51.583 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.6	40.8
91	24.3	11.1	33.3





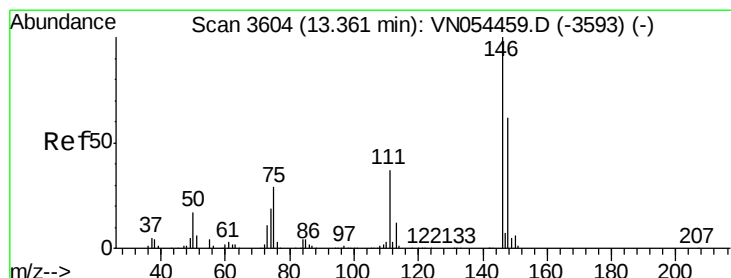
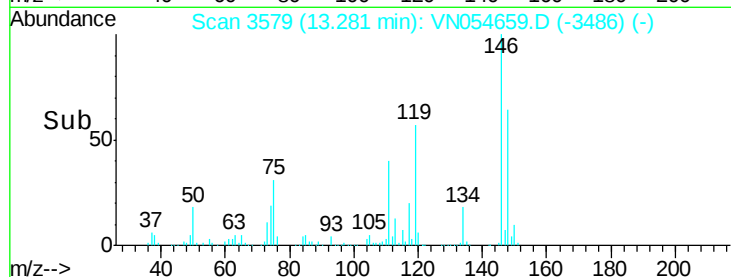
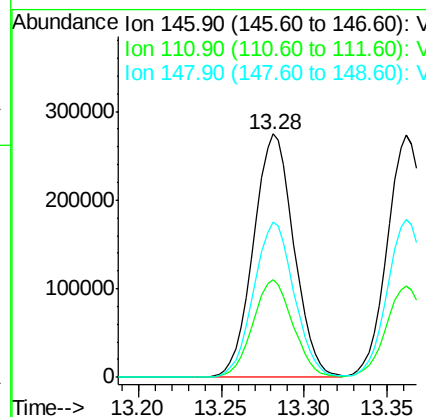
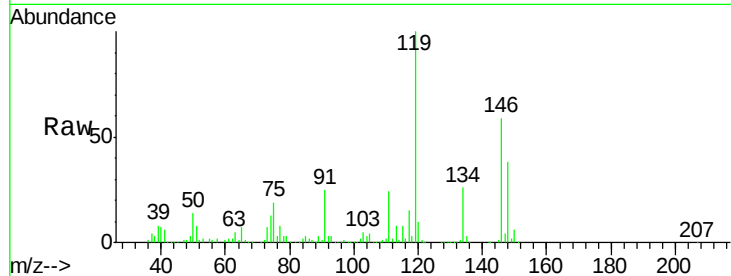
#87
 1,3-Dichlorobenzene
 Concen: 51.698 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	465618		
111	39.6	18.8	56.3	
148	63.8	32.2	96.6	

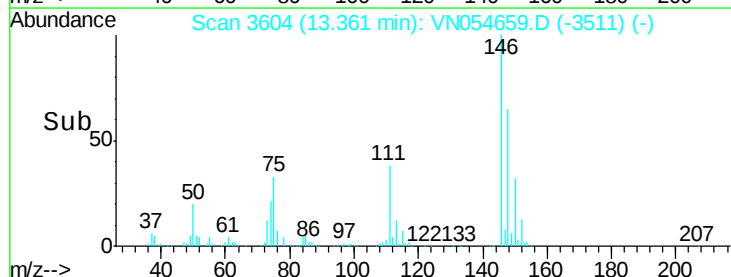
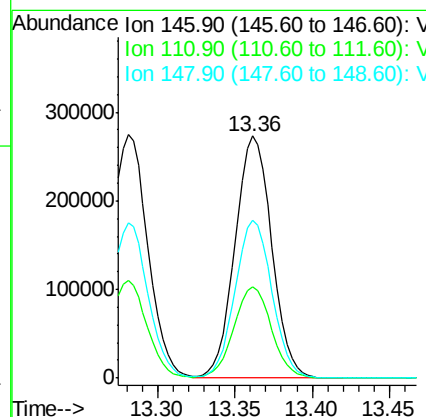
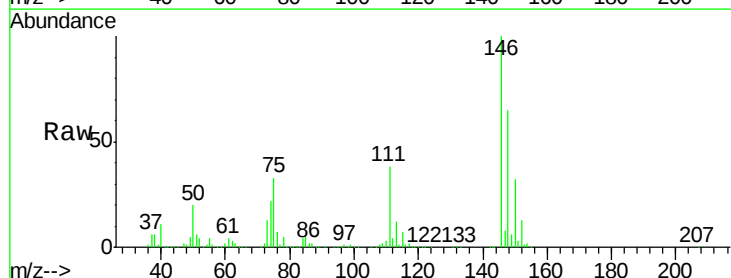
Manual Integrations
 APPROVED

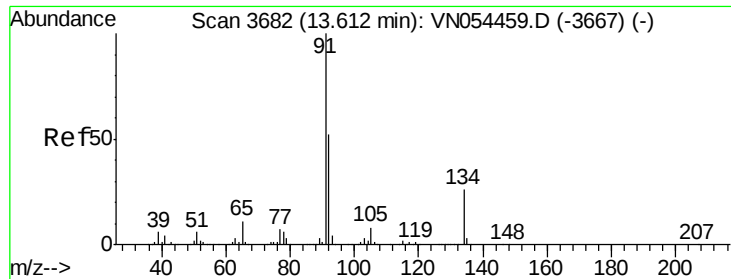
MMDadoda
 3/26/2019 12:32:42 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.338 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	449875		
111	38.5	18.1	54.1	
148	65.7	32.0	96.0	





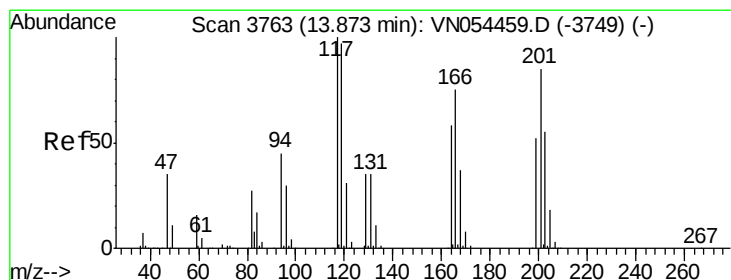
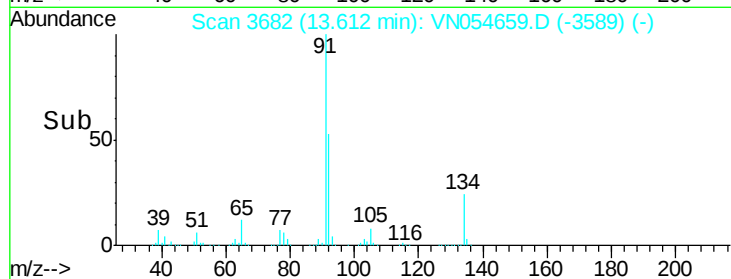
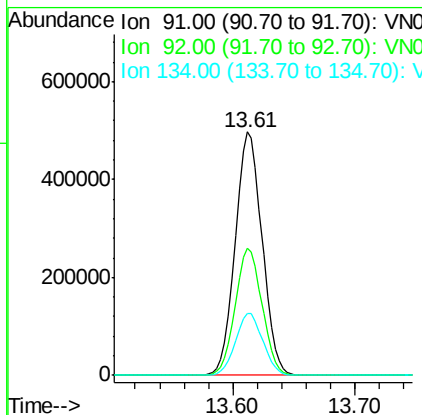
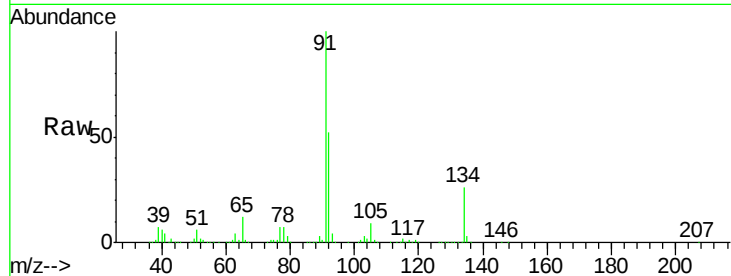
#89
n-Butylbenzene
Concen: 55.675 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.6
134	25.7	14.3	42.9

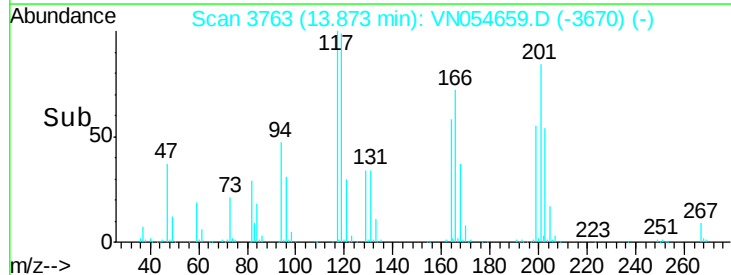
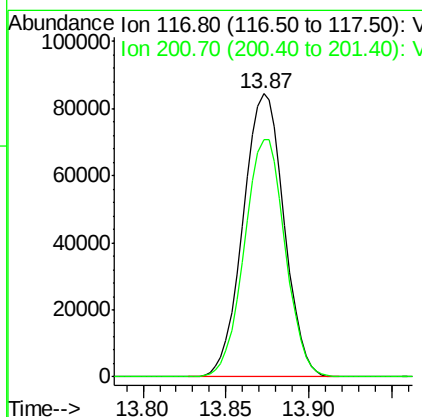
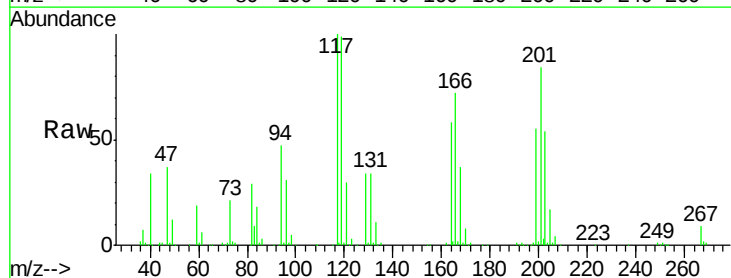
Manual Integrations
APPROVED

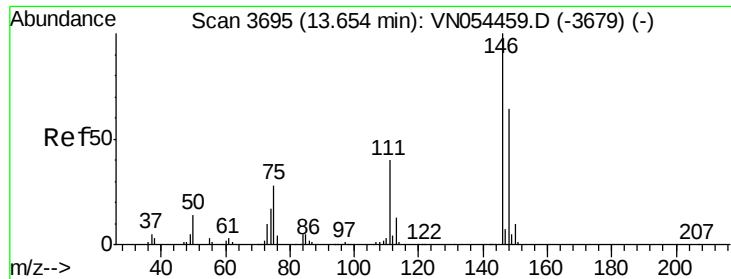
MMDadoda
3/26/2019 12:32:42 PM



#90
Hexachloroethane
Concen: 53.615 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	48.1	144.4





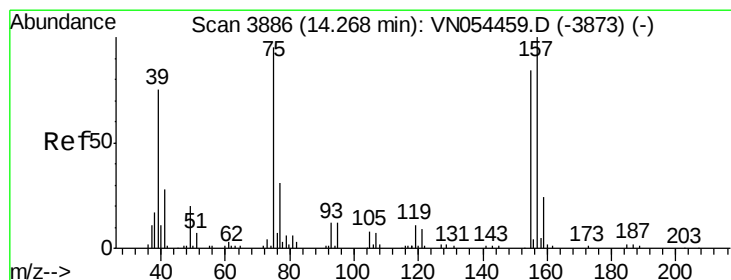
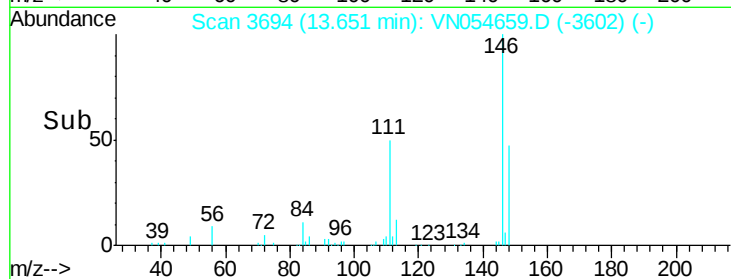
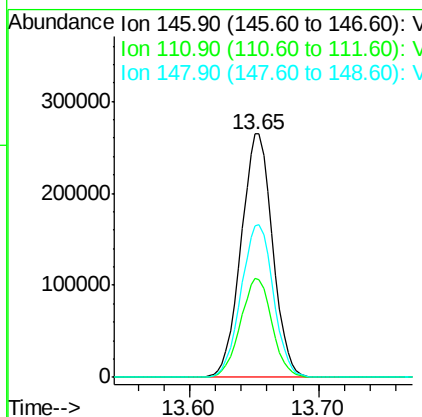
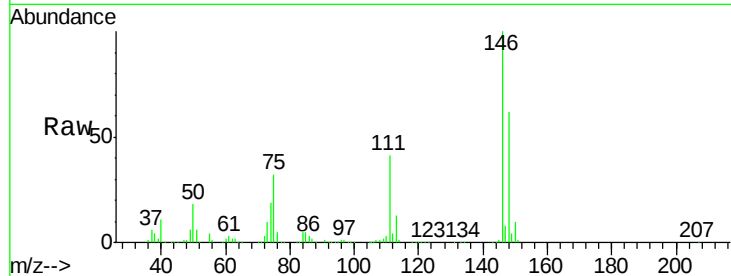
#91
 1,2-Dichlorobenzene
 Concen: 51.608 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.1	57.3
148	64.3	32.4	97.0

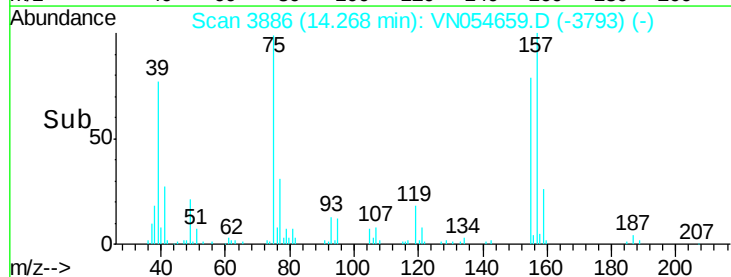
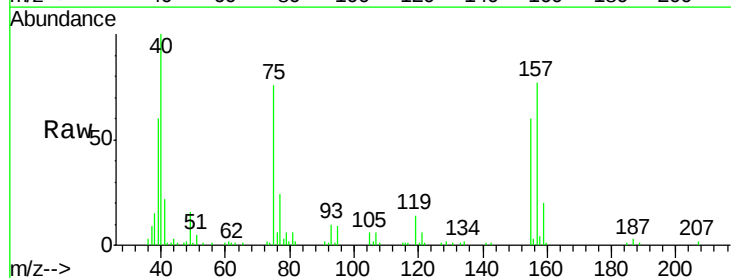
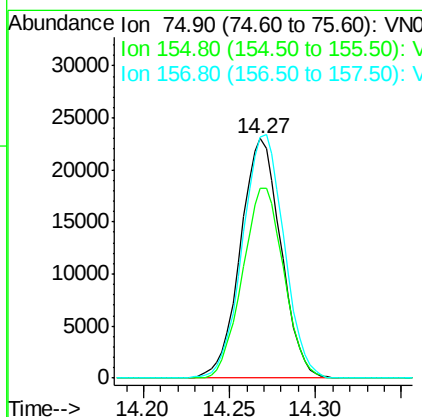
Manual Integrations
 APPROVED

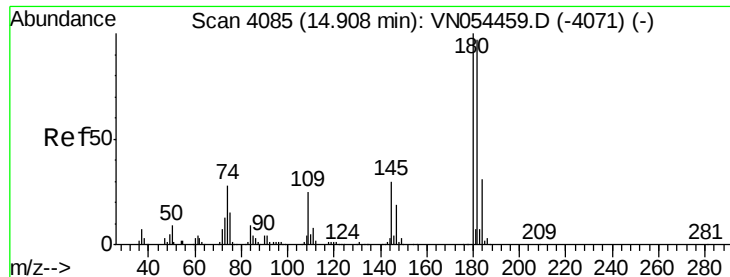
MMDadoda
 3/26/2019 12:32:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.102 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.9	50.1	150.3
157	104.4	63.1	189.3





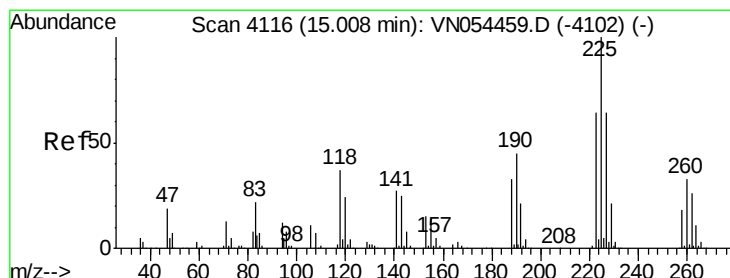
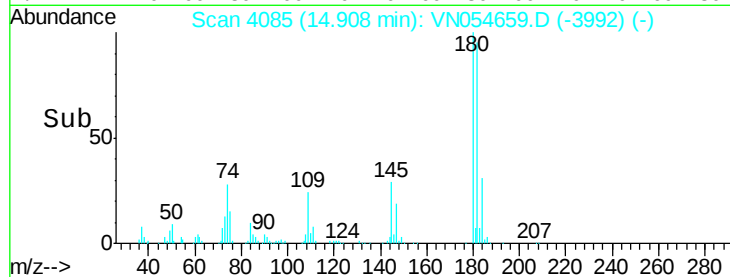
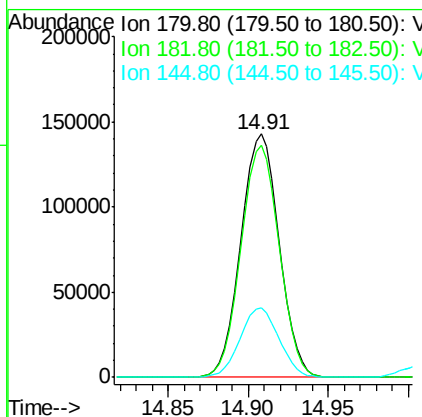
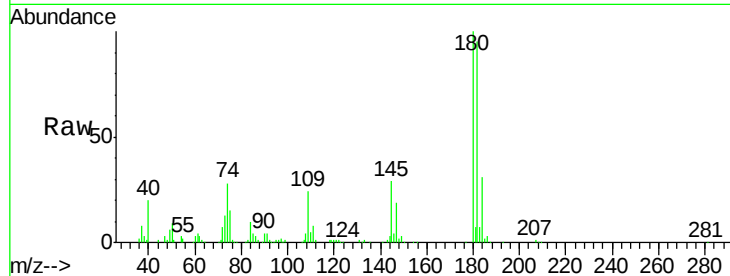
#93
 1,2,4-Trichlorobenzene
 Concen: 53.557 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	232906		
182	95.4	48.0	144.2	
145	29.0	14.2	42.8	

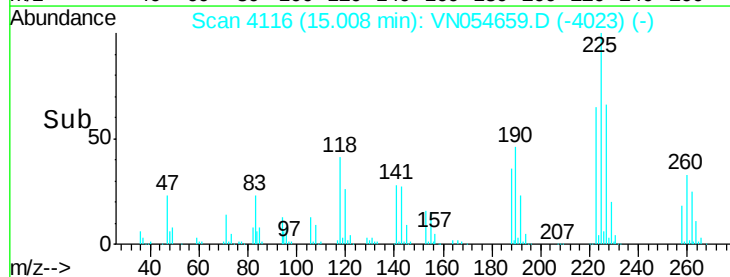
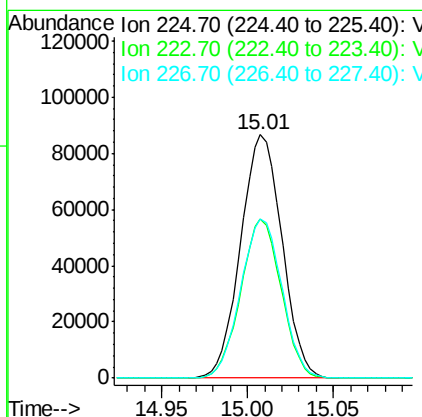
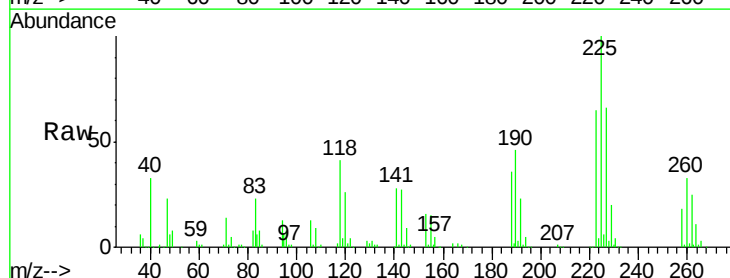
Manual Integrations
 APPROVED

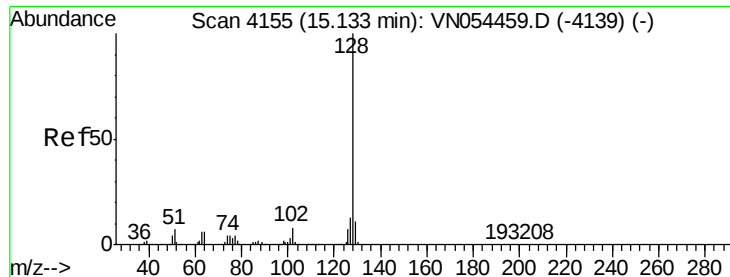
MMDadoda
 3/26/2019 12:32:42 PM



#94
 Hexachlorobutadiene
 Concen: 59.653 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	144584		
223	63.7	31.1	93.5	
227	65.2	31.9	95.9	





#95

Naphthalene

Concen: 48.473 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

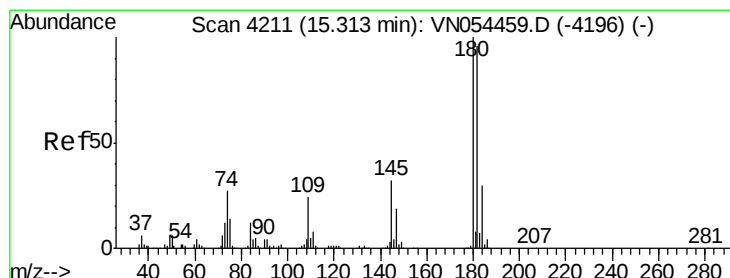
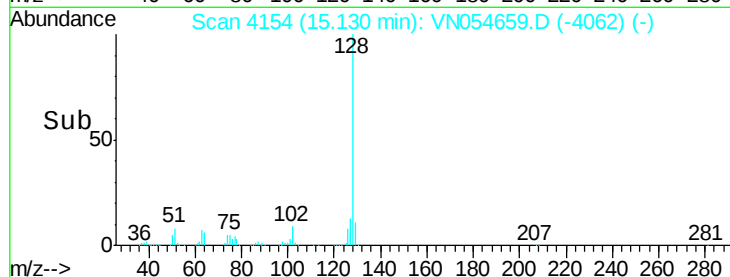
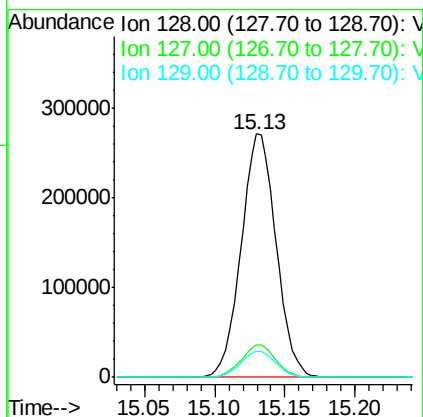
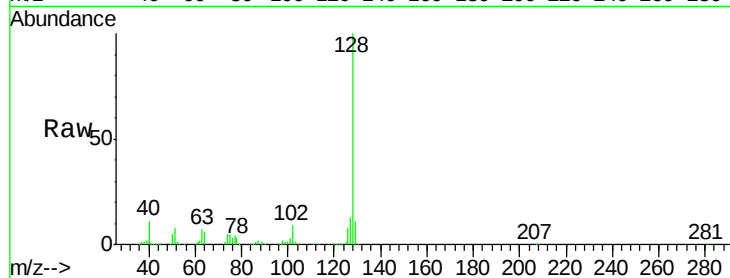
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	470195
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/26/2019 12:32:42 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.884 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Tgt Ion:	180	Resp:	220237
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.5	142.6
145	31.2	14.8	44.3

