

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022619\
 Data File : VN053946.D
 Acq On : 26 Feb 2019 11:03
 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
 2/28/2019 10:49:40 AM

Quant Time: Feb 27 02:35:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	694487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1084768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	963225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	454304	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	397804	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	7.59	113	358176	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.09	98	1337322	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.40	95	449052	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	327493	51.239	ug/l	99
3) Chloromethane	2.06	50	439017	49.519	ug/l	100
4) Vinyl Chloride	2.19	62	437127	49.210	ug/l	99
5) Bromomethane	2.56	94	272662	46.348	ug/l	100
6) Chloroethane	2.70	64	266123	48.172	ug/l	99
7) Trichlorofluoromethane	3.02	101	557437	49.122	ug/l	98
8) Diethyl Ether	3.41	74	209391	49.250	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.76	101	360561	50.307	ug/l	94
10) Methyl Iodide	3.95	142	499828	53.074	ug/l	98
11) Tert butyl alcohol	4.77	59	120398	233.290	ug/l	99
12) 1,1-Dichloroethene	3.74	96	333592	48.660	ug/l	93
13) Acrolein	3.60	56	140456	262.866	ug/l	98
14) Allyl chloride	4.32	41	613882	51.054	ug/l	95
15) Acrylonitrile	4.98	53	680574	250.208	ug/l	99
16) Acetone	3.81	43	646565	302.588	ug/l	98
17) Carbon Disulfide	4.05	76	1064367	48.125	ug/l	99
18) Methyl Acetate	4.32	43	287020	50.421	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	924407	50.264	ug/l	100
20) Methylene Chloride	4.55	84	383975	47.655	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	363983	49.054	ug/l	92
22) Diisopropyl ether	5.95	45	1203561	51.884	ug/l	97
23) Vinyl Acetate	5.89	43	4363620	261.488	ug/l	95
24) 1,1-Dichloroethane	5.85	63	699413	49.166	ug/l	98
25) 2-Butanone	6.83	43	844666	264.244	ug/l	95
26) 2,2-Dichloropropane	6.82	77	532641	52.702	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	408890	49.550	ug/l	93
28) Bromochloromethane	7.19	49	323510	49.684	ug/l	83
29) Tetrahydrofuran	7.21	42	530724	249.321	ug/l	92
30) Chloroform	7.37	83	676784	49.064	ug/l	100
31) Cyclohexane	7.65	56	675318	51.890	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	564593	49.641	ug/l	97
36) 1,1-Dichloropropene	7.79	75	532957	52.831	ug/l	97
37) Ethyl Acetate	6.93	43	353270	49.044	ug/l	98
38) Carbon Tetrachloride	7.77	117	502170	47.863	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022619\
 Data File : VN053946.D
 Acq On : 26 Feb 2019 11:03
 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
 2/28/2019 10:49:40 AM

Quant Time: Feb 27 02:35:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	651563	53.587	ug/l	94
40) Benzene	8.04	78	1576932	50.884	ug/l	99
41) Methacrylonitrile	7.17	41	200209	43.165	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	486443	50.700	ug/l	97
43) Isopropyl Acetate	8.16	43	597216	49.105	ug/l #	90
44) Trichloroethene	8.83	130	413074	50.277	ug/l	96
45) 1,2-Dichloropropane	9.12	63	422907	50.580	ug/l	99
46) Dibromomethane	9.21	93	242803	50.020	ug/l	92
47) Bromodichloromethane	9.40	83	524757	51.298	ug/l	99
48) Methyl methacrylate	9.20	41	294421	52.630	ug/l	96
49) 1,4-Dioxane	9.20	88	74296	980.559	ug/l #	92
51) 4-Methyl-2-Pentanone	9.98	43	1678947	268.646	ug/l	95
52) Toluene	10.16	92	956882	52.437	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	532990	53.549	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	622352	53.039	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	344893	50.608	ug/l	99
56) Ethyl methacrylate	10.43	69	431724	48.379	ug/l	90
57) 1,3-Dichloropropane	10.71	76	591837	51.398	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1018794	245.163	ug/l	95
59) 2-Hexanone	10.75	43	1110701	273.258	ug/l	95
60) Dibromochloromethane	10.90	129	386046	50.970	ug/l	99
61) 1,2-Dibromoethane	11.00	107	329330	50.095	ug/l	99
64) Tetrachloroethene	10.63	164	406821	49.878	ug/l	97
65) Chlorobenzene	11.43	112	1017715	50.063	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	370781	50.608	ug/l	100
67) Ethyl Benzene	11.51	91	1784143	52.353	ug/l	99
68) m/p-Xylenes	11.62	106	1373414	106.778	ug/l	97
69) o-Xylene	11.95	106	650980	51.509	ug/l	97
70) Styrene	11.96	104	1061703	54.617	ug/l	99
71) Bromoform	12.13	173	258146	50.647	ug/l #	99
73) Isopropylbenzene	12.25	105	1727415	48.846	ug/l	99
74) N-amyl acetate	12.07	43	473559	51.091	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	411502	46.532	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	302054m	41.446	ug/l	
77) Bromobenzene	12.53	156	429349	47.818	ug/l	91
78) n-propylbenzene	12.59	91	2076291	51.625	ug/l	97
79) 2-Chlorotoluene	12.67	91	1192884	49.374	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1484034	51.259	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	112697	48.875	ug/l	92
82) 4-Chlorotoluene	12.77	91	1213586	50.824	ug/l	97
83) tert-Butylbenzene	12.99	119	1249434	48.794	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1507647	52.161	ug/l	98
85) sec-Butylbenzene	13.17	105	1772946	50.694	ug/l	98
86) p-Isopropyltoluene	13.29	119	1551521	52.477	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	782570	50.383	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	768998	51.031	ug/l	99
89) n-Butylbenzene	13.61	91	1372470	55.082	ug/l	99
90) Hexachloroethane	13.87	117	269853	47.101	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	748737	49.798	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57502	46.011	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022619\
Data File : VN053946.D
Acq On : 26 Feb 2019 11:03
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
2/28/2019 10:49:40 AM

Quant Time: Feb 27 02:35:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 05:37:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	410152	49.157	ug/l	97
94) Hexachlorobutadiene	15.01	225	279676	51.494	ug/l	99
95) Naphthalene	15.13	128	798715	44.762	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	385039	48.132	ug/l	99

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

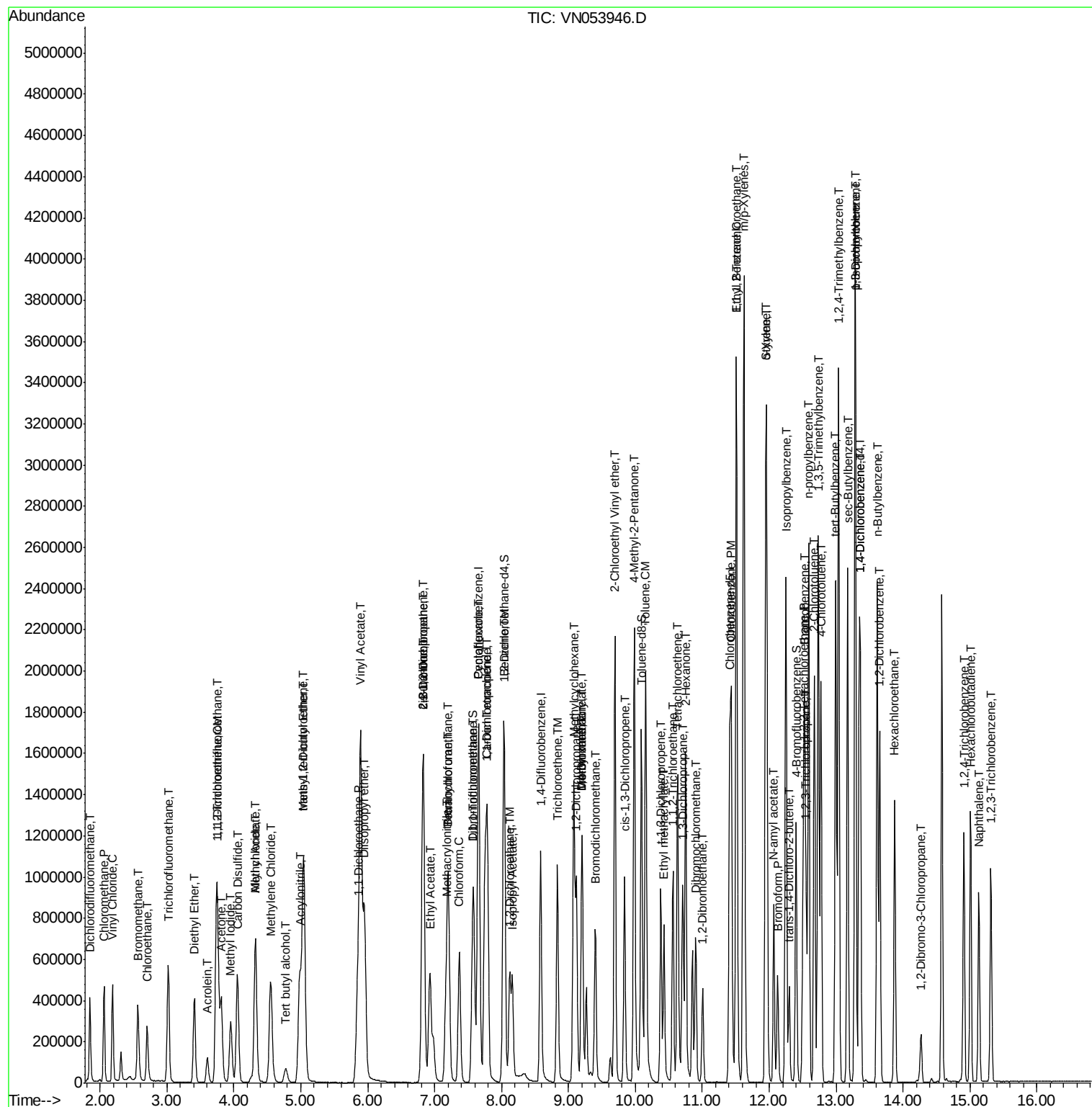
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN022619\
Data File : VN053946.D
Acq On : 26 Feb 2019 11:03
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

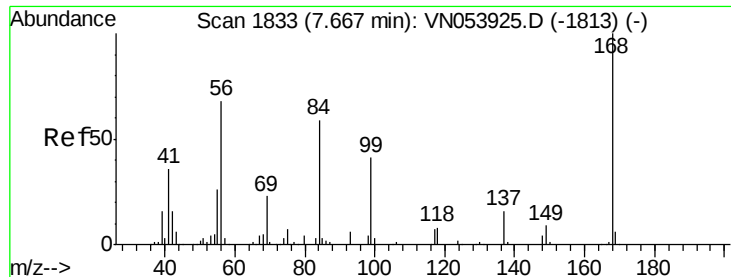
Instrument :
MSVOA_N
Client Sample ID :
VSTDCCC050

Manual Integrations
APPROVED

MM Dadoda
2/28/2019 10:49:40 AM

Quant Time: Feb 27 02:35:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 05:37:40 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: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 694487

Ion Ratio Lower Upper

168 100

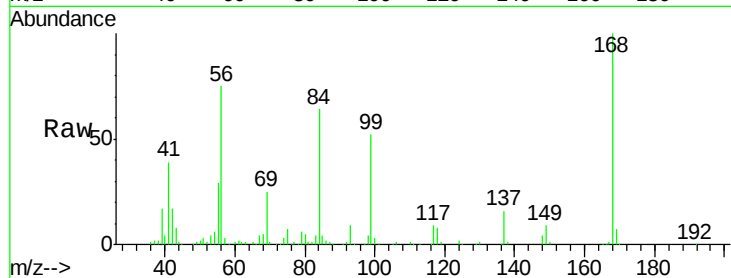
99 50.9 36.9 55.3

Manual Integrations

APPROVED

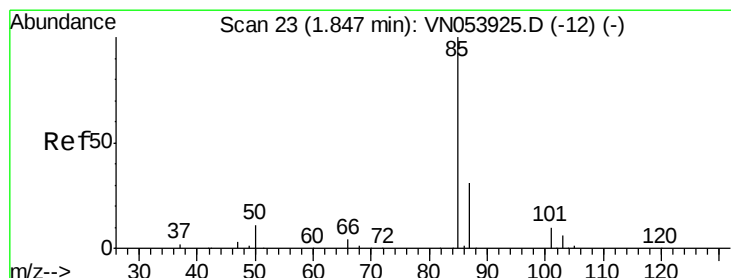
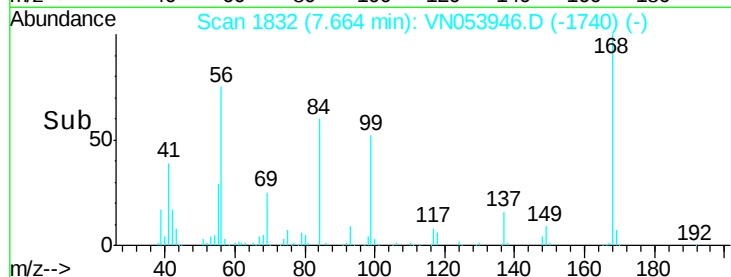
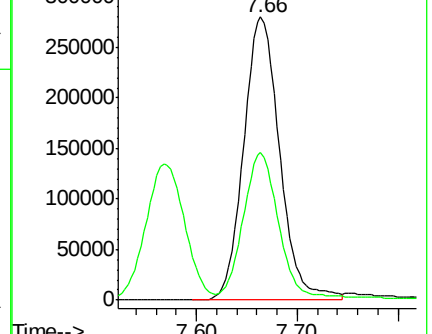
MMDadoda

2/28/2019 10:49:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 51.239 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053946.D

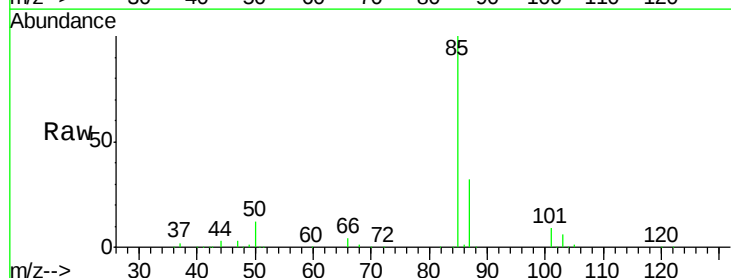
Acq: 26 Feb 2019 11:03

Tgt Ion: 85 Resp: 327493

Ion Ratio Lower Upper

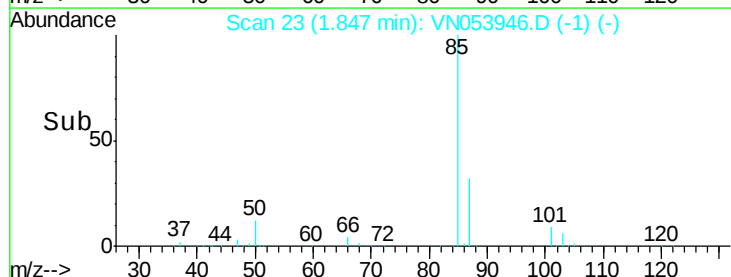
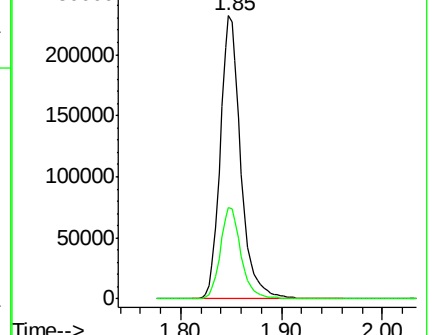
85 100

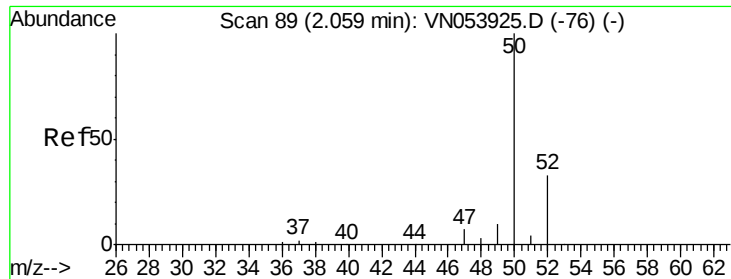
87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.519 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 439017

Ion Ratio Lower Upper

50 100

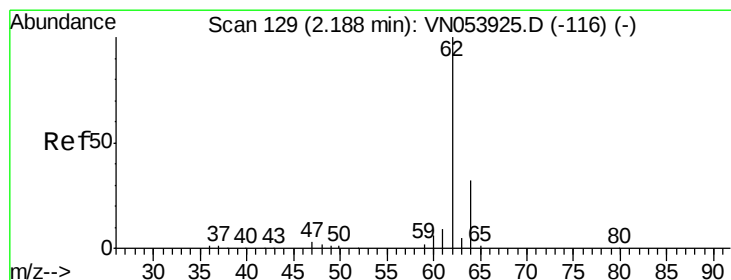
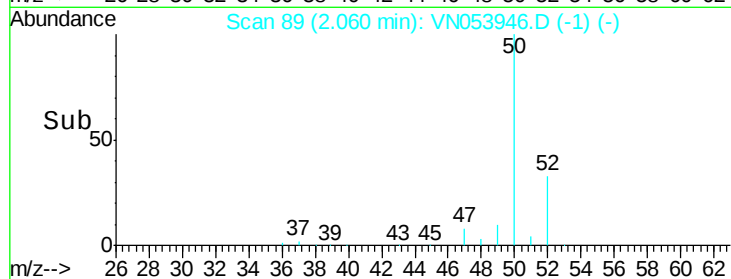
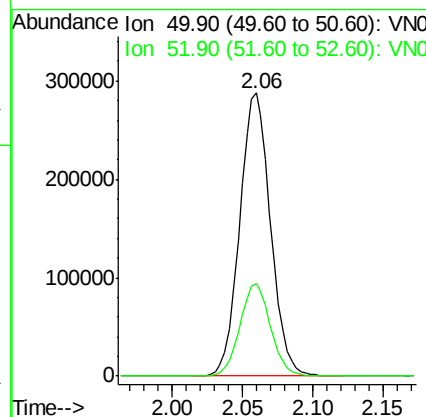
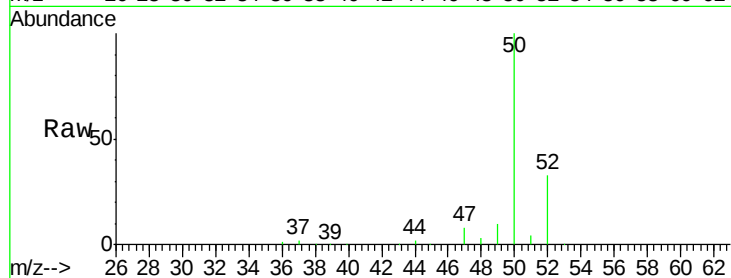
52 32.6 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

2/28/2019 10:49:40 AM



#4

Vinyl Chloride

Concen: 49.210 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053946.D

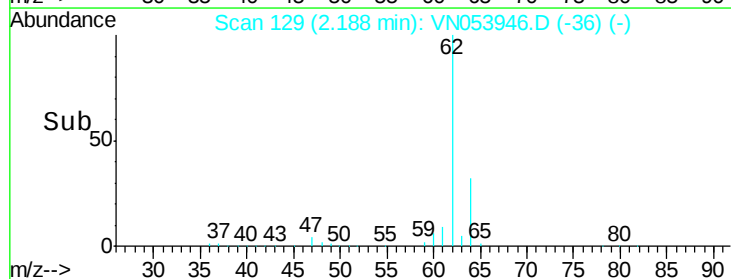
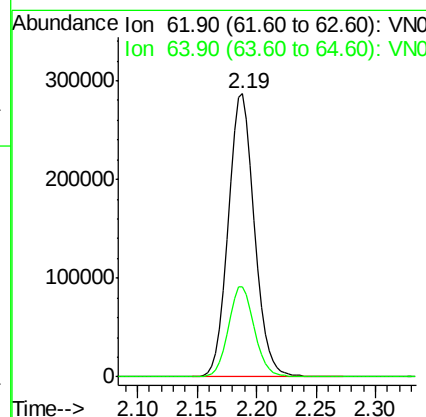
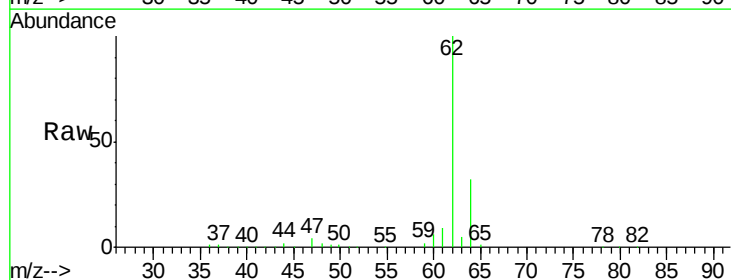
Acq: 26 Feb 2019 11:03

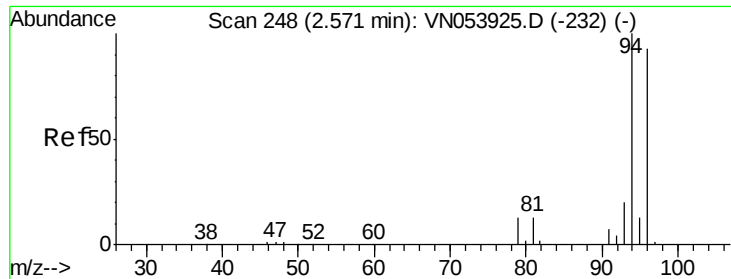
Tgt Ion: 62 Resp: 437127

Ion Ratio Lower Upper

62 100

64 32.1 25.1 37.7





#5

Bromomethane

Concen: 46.348 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 94 Resp: 272662

Ion Ratio Lower Upper

94 100

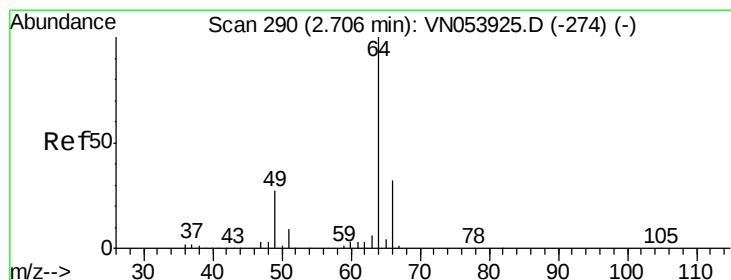
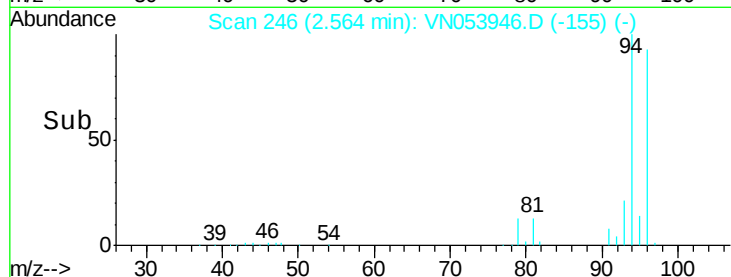
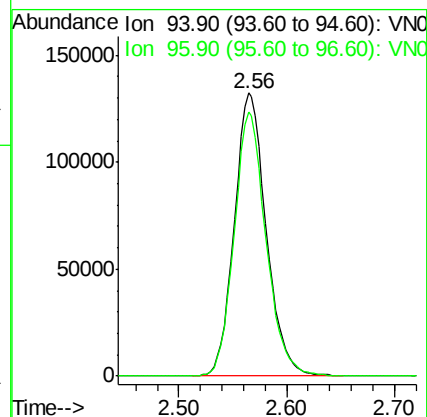
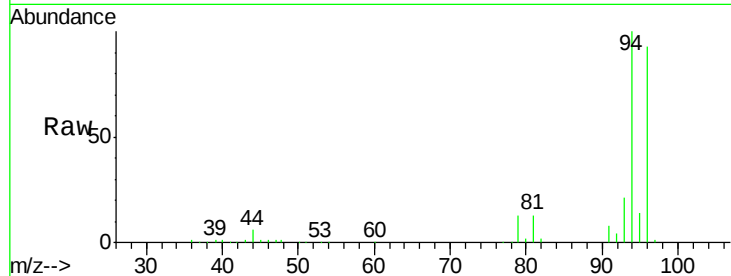
96 93.4 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

2/28/2019 10:49:40 AM



#6

Chloroethane

Concen: 48.172 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN053946.D

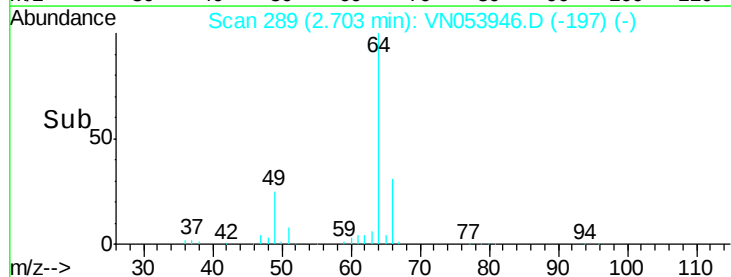
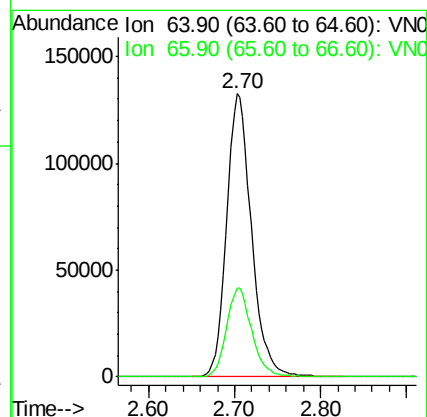
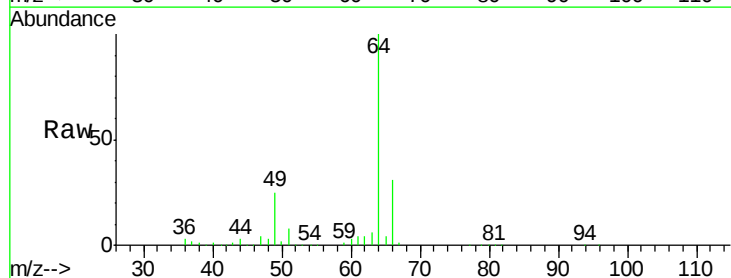
Acq: 26 Feb 2019 11:03

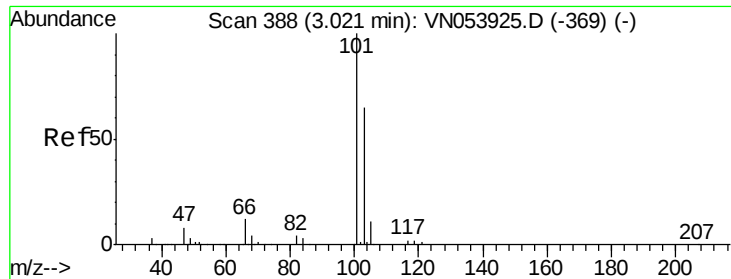
Tgt Ion: 64 Resp: 266123

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3





#7

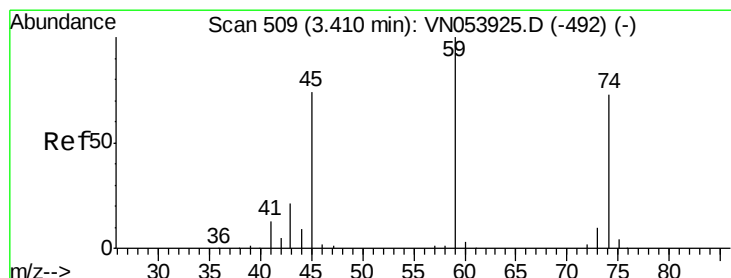
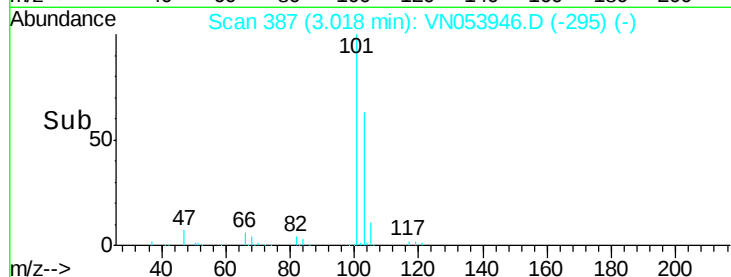
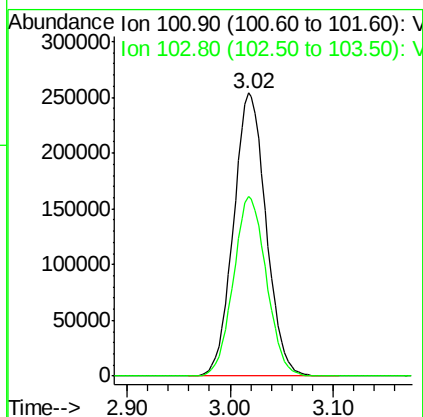
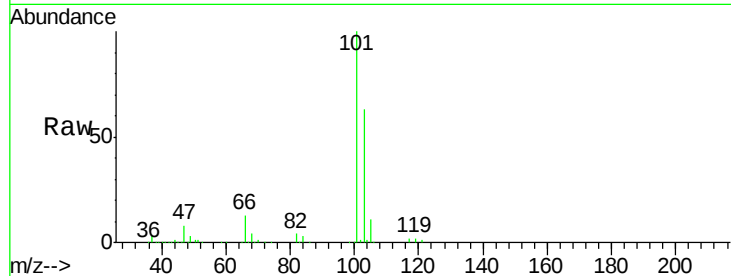
Trichlorofluoromethane
Concen: 49.122 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.9	77.9

Manual Integrations
APPROVED

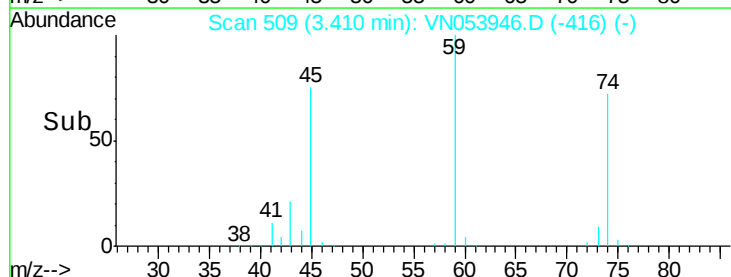
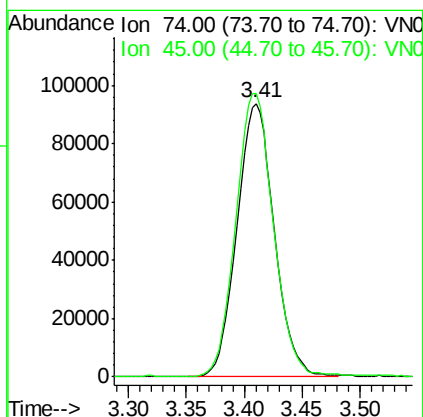
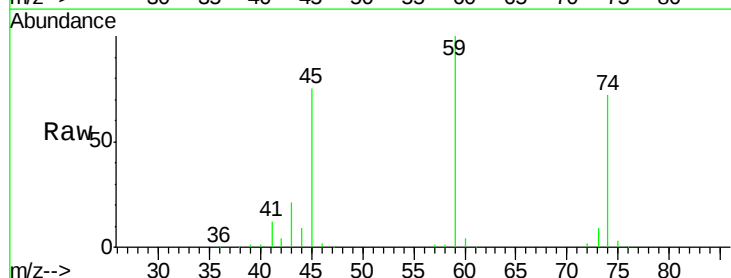
MMDadoda
2/28/2019 10:49:40 AM

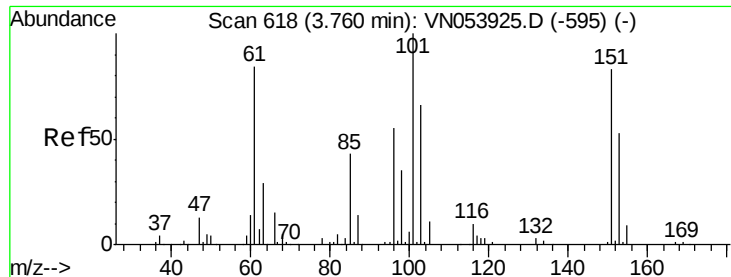


#8

Diethyl Ether
Concen: 49.250 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.307 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

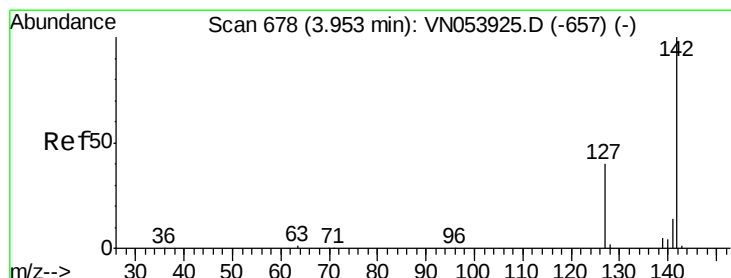
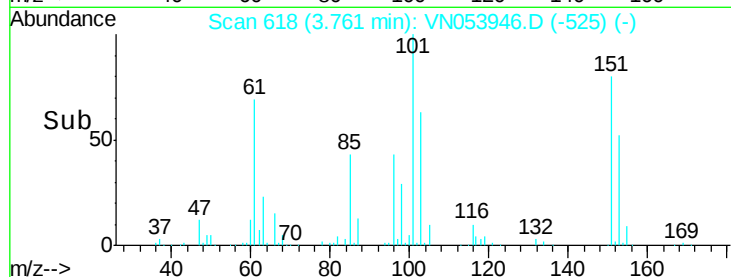
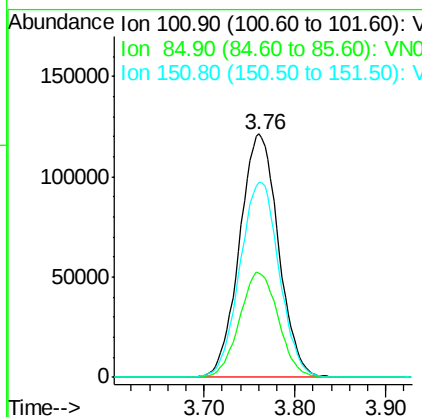
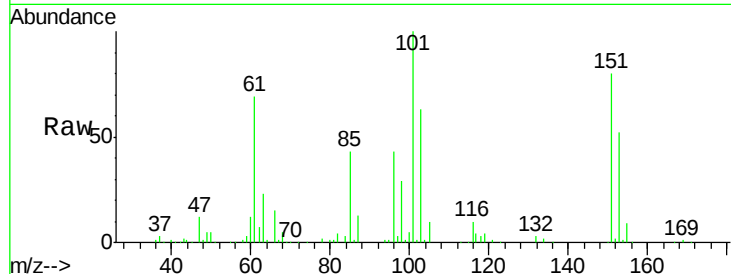
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	360561
Ion Ratio	Lower	Upper	
101	100		
85	43.0	32.5	48.7
151	81.5	70.2	105.2

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM



#10

Methyl Iodide

Concen: 53.074 ug/l

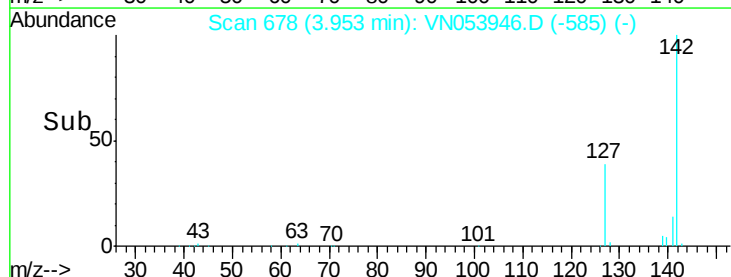
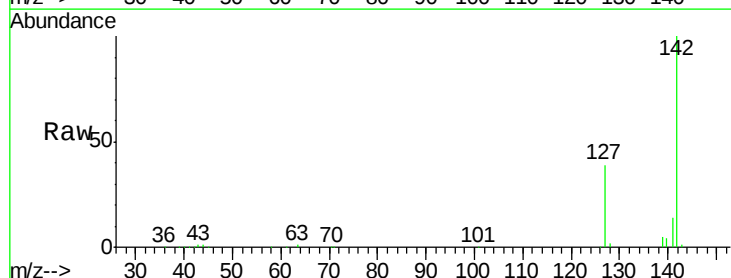
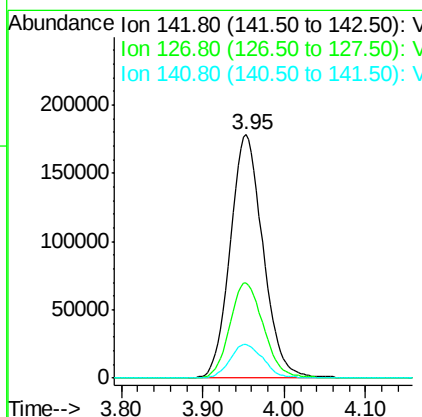
RT: 3.95 min Scan# 678

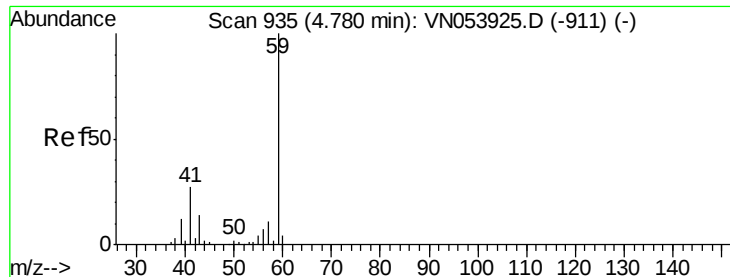
Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Tgt Ion:	142	Resp:	499828
Ion Ratio	Lower	Upper	
142	100		
127	40.4	31.0	46.4
141	14.2	11.3	16.9





#11

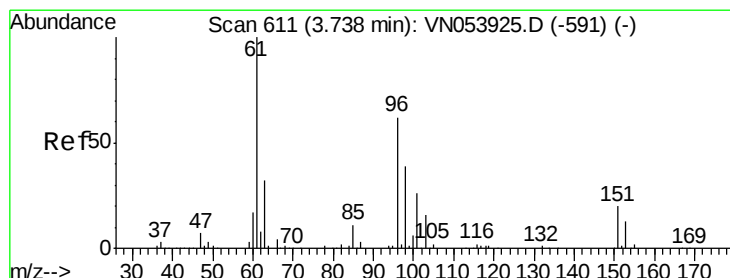
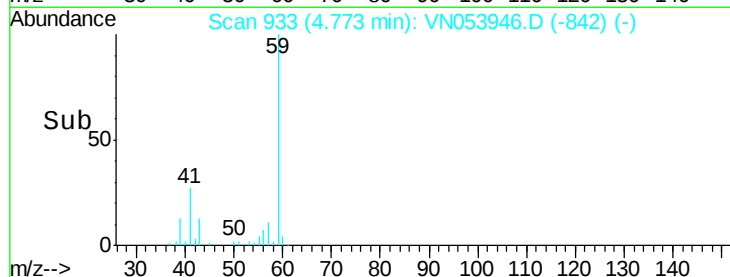
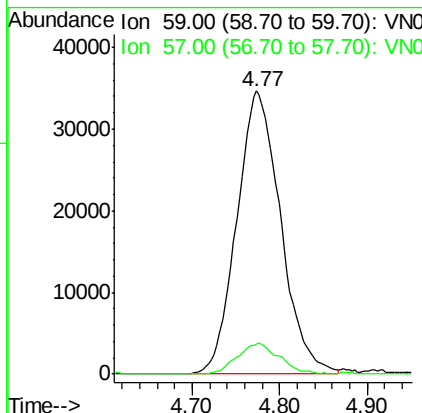
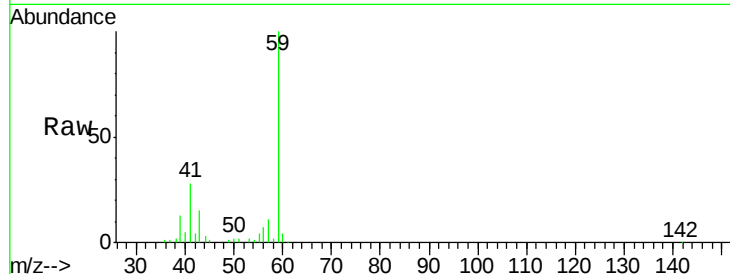
Tert butyl alcohol
 Concen: 233.290 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	120398		
57	10.5		8.1	12.1

Manual Integrations
 APPROVED

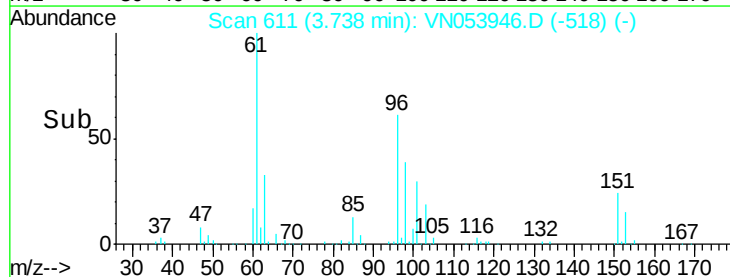
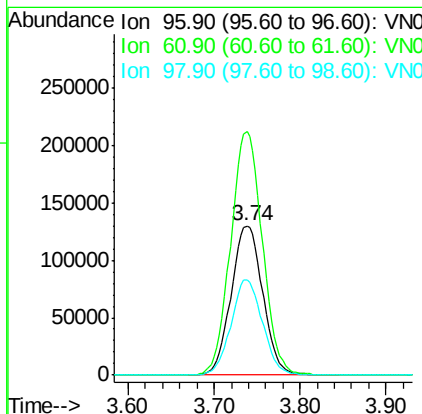
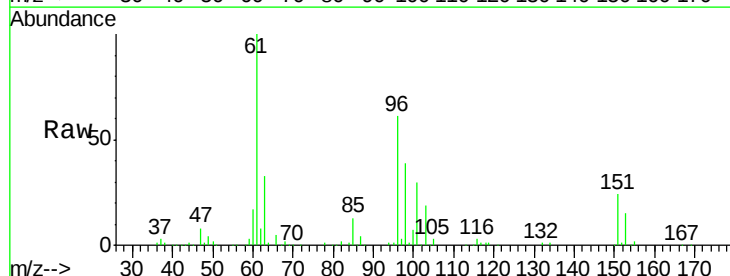
MMDadoda
 2/28/2019 10:49:40 AM

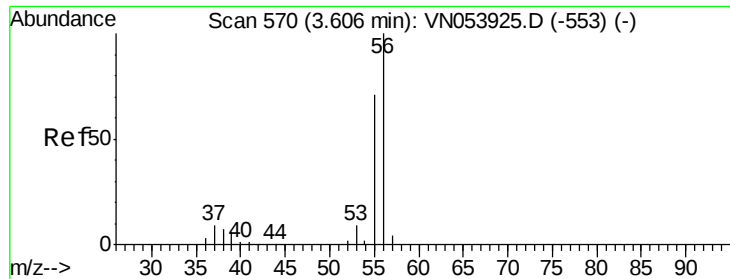


#12

1,1-Dichloroethene
 Concen: 48.660 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	333592		
61	163.1		121.0	181.4
98	64.2		52.2	78.2





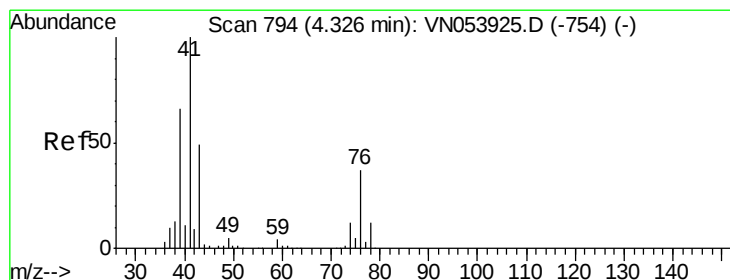
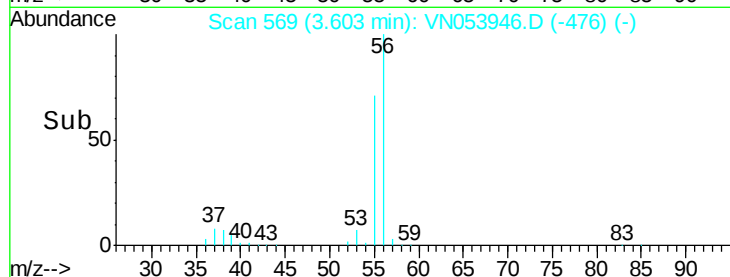
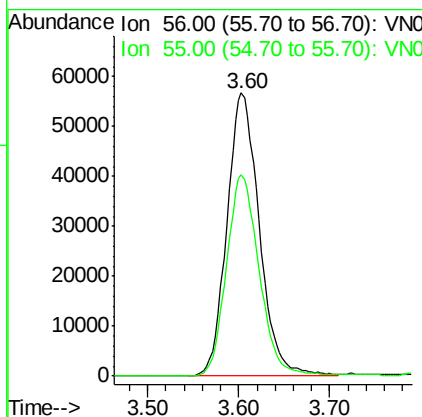
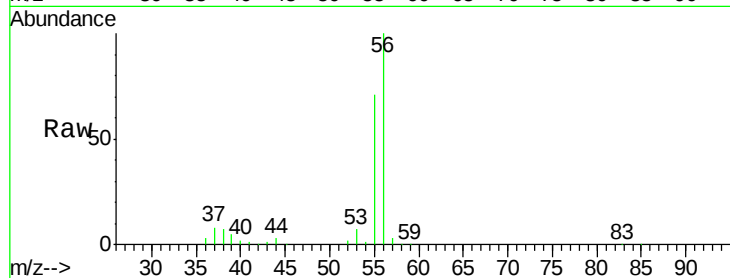
#13
Acrolein
Concen: 262.866 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.7	56.3	84.5

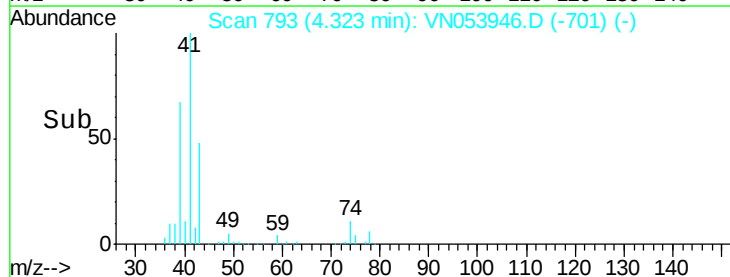
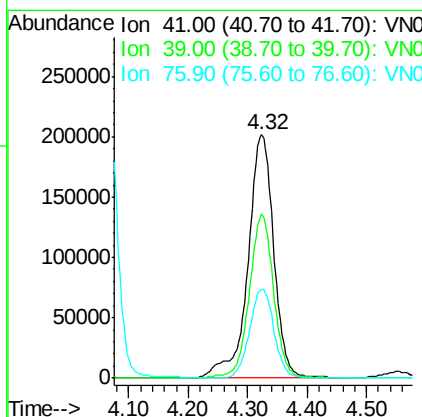
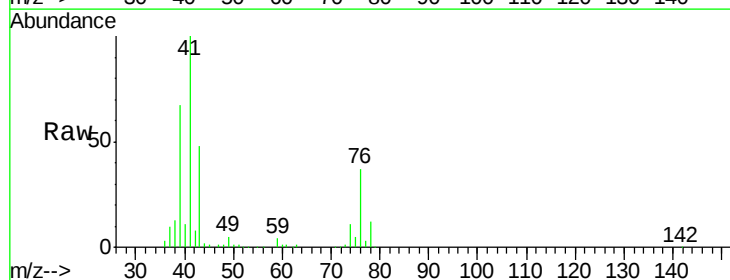
Manual Integrations
APPROVED

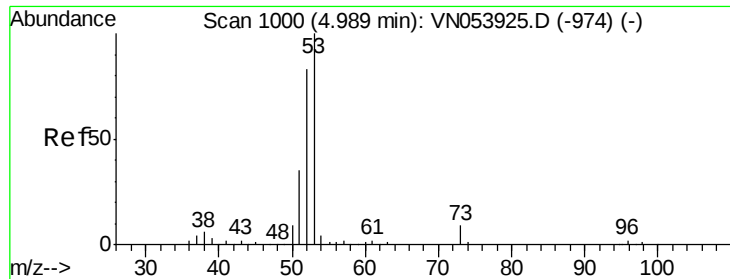
MMDadoda
2/28/2019 10:49:40 AM



#14
Allyl chloride
Concen: 51.054 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.4	48.8	73.2
76	34.1	30.9	46.3





#15

Acrylonitrile

Concen: 250.208 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

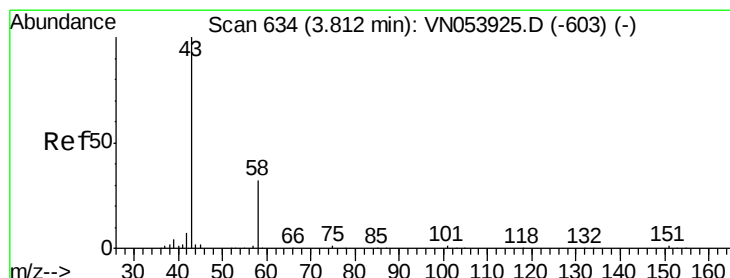
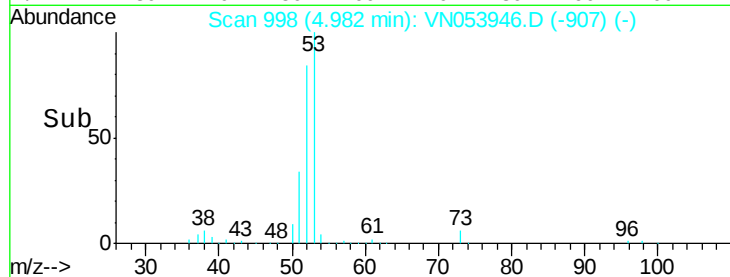
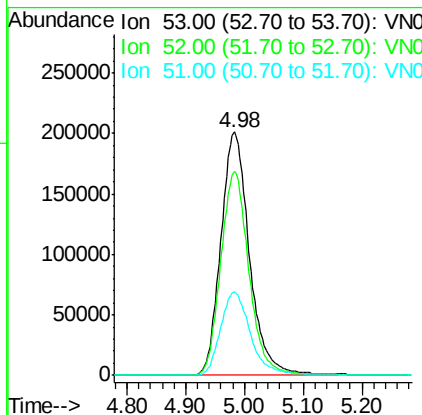
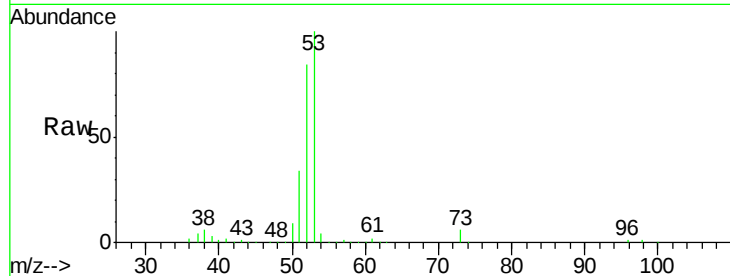
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	680574
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.1	97.7
51	35.9	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM



#16

Acetone

Concen: 302.588 ug/l

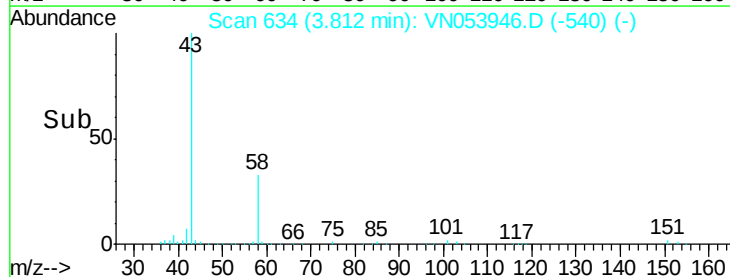
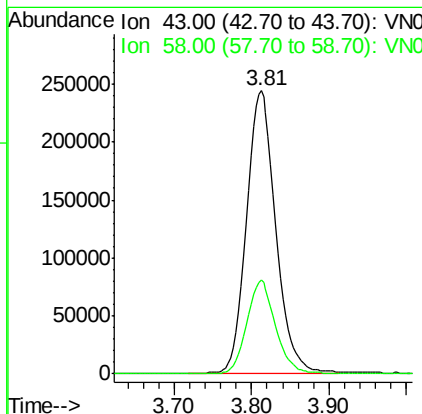
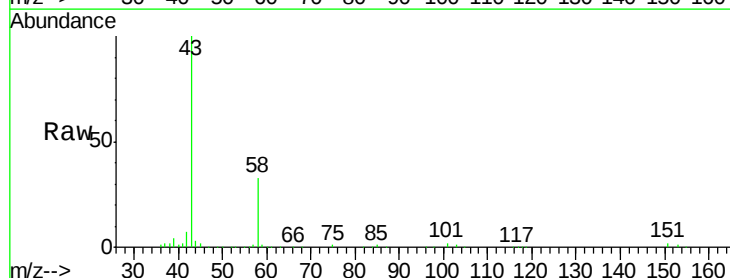
RT: 3.81 min Scan# 634

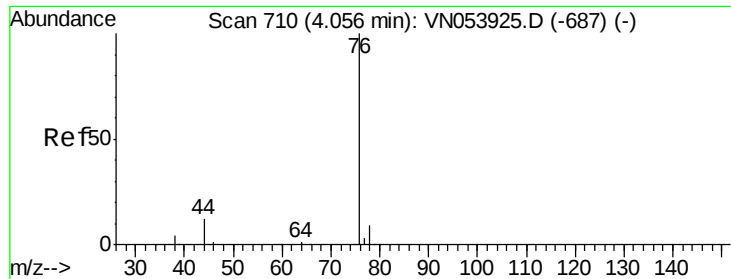
Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Tgt Ion:	43	Resp:	646565
Ion	Ratio	Lower	Upper
43	100		
58	33.1	27.6	41.4





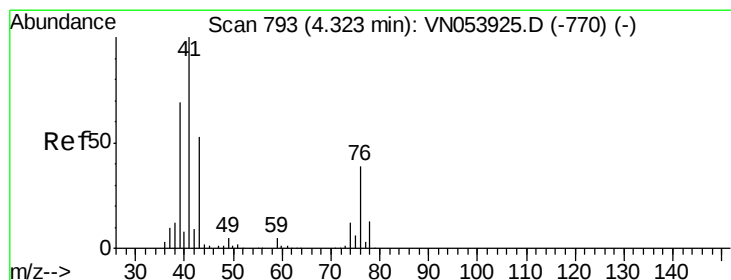
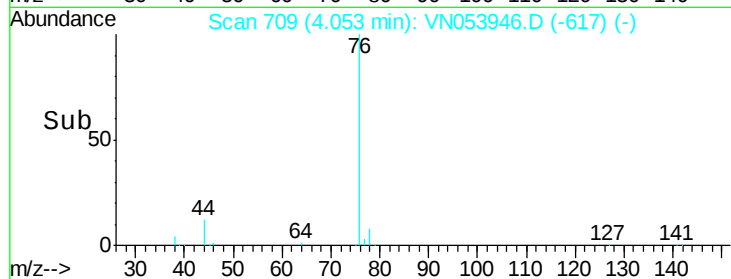
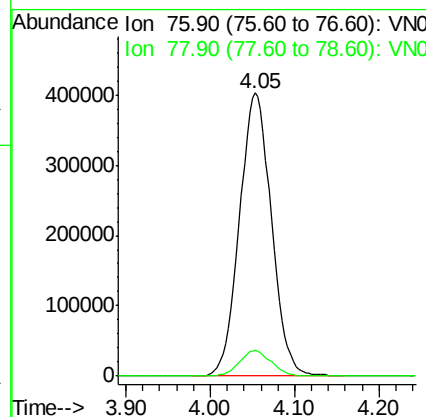
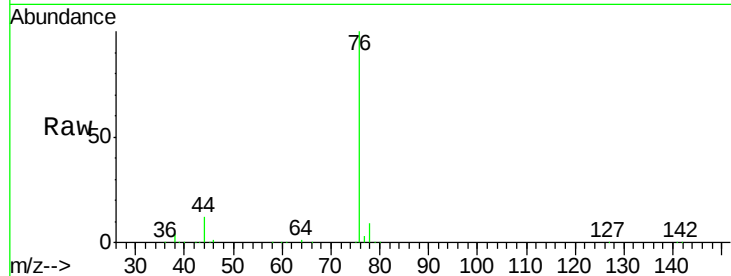
#17
Carbon Disulfide
Concen: 48.125 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1064367
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3

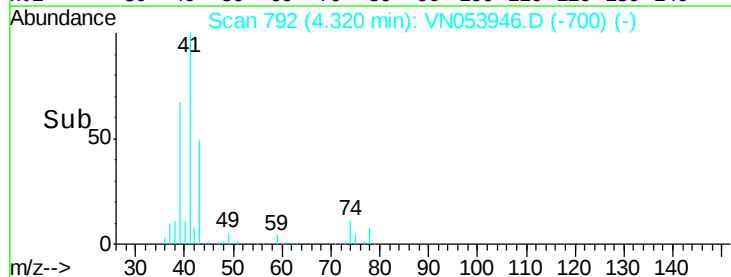
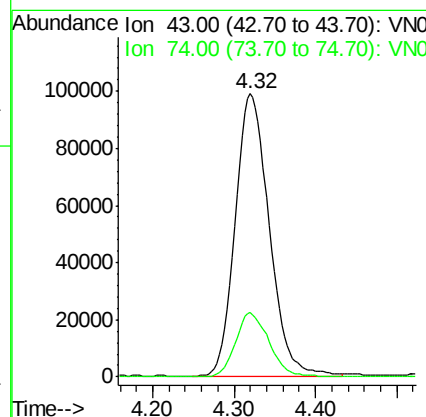
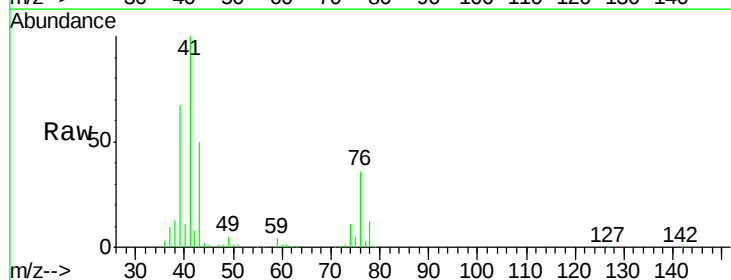
Manual Integrations
APPROVED

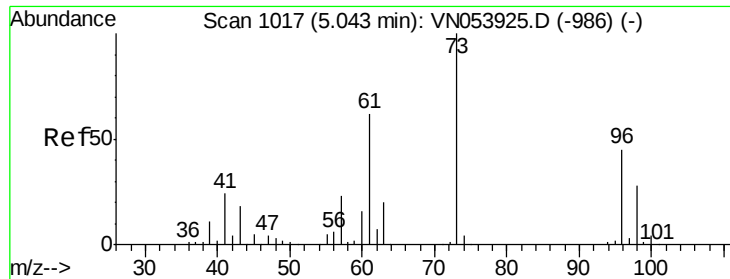
MMDadoda
2/28/2019 10:49:40 AM



#18
Methyl Acetate
Concen: 50.421 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 43 Resp: 287020
Ion Ratio Lower Upper
43 100
74 22.3 20.5 30.7





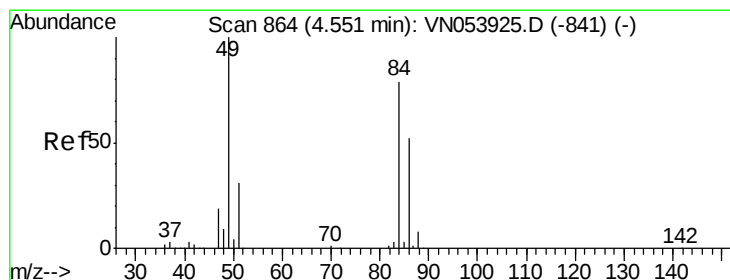
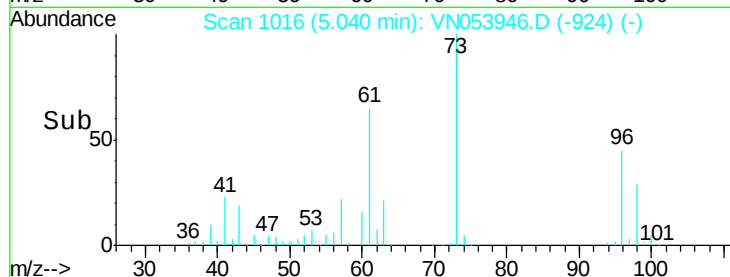
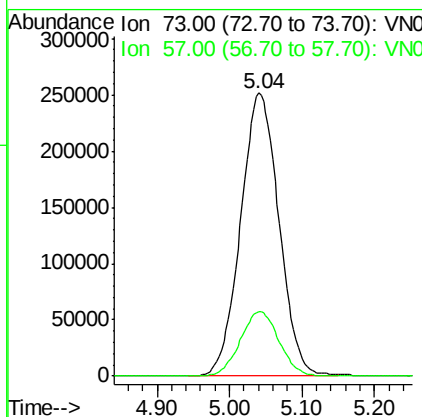
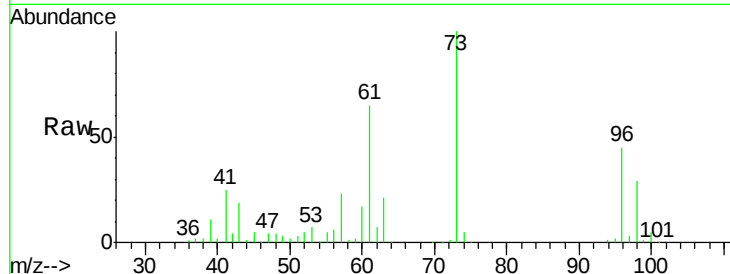
#19
Methyl tert-butyl Ether
Concen: 50.264 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 924407
Ion Ratio Lower Upper
73 100
57 22.7 18.0 27.0

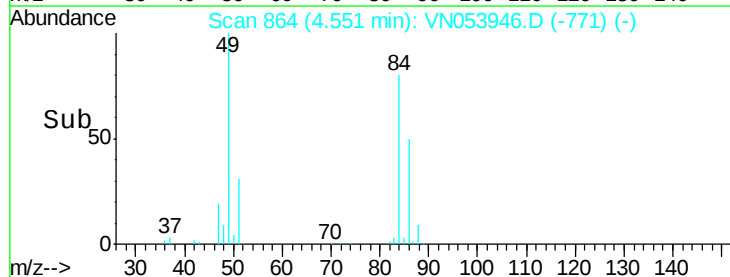
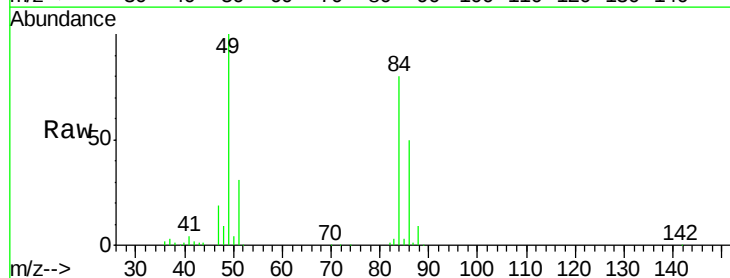
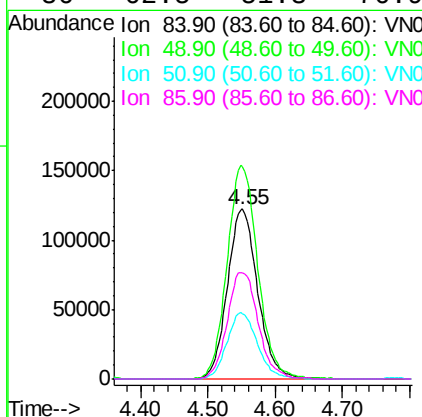
Manual Integrations
APPROVED

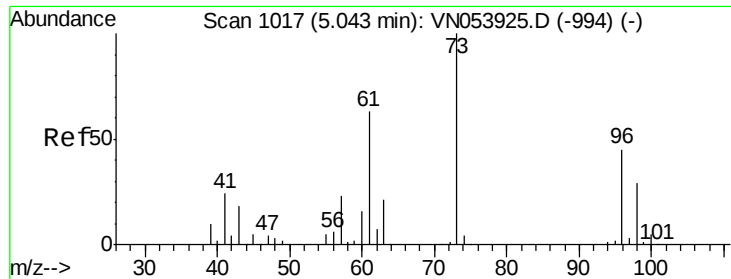
MMDadoda
2/28/2019 10:49:40 AM



#20
Methylene Chloride
Concen: 47.655 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 84 Resp: 383975
Ion Ratio Lower Upper
84 100
49 125.1 89.7 134.5
51 38.6 27.8 41.8
86 62.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 49.054 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

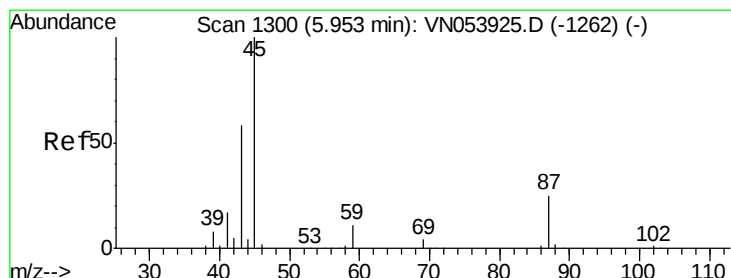
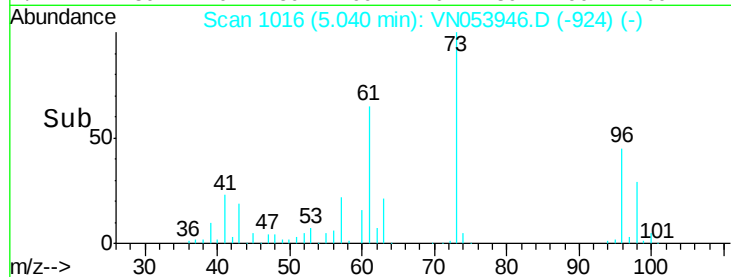
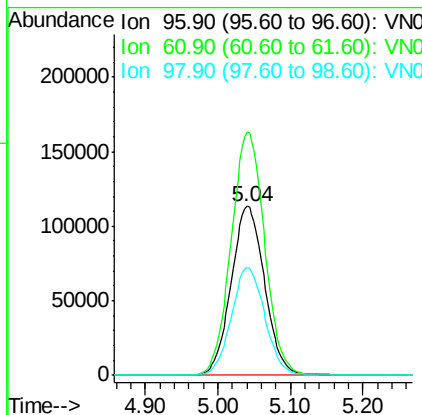
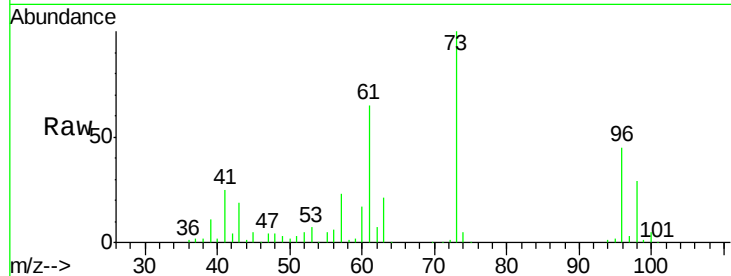
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	363983
Ion	Ratio	Lower	Upper
96	100		
61	143.9	104.5	156.7
98	63.8	50.6	76.0

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM



#22

Diisopropyl ether

Concen: 51.884 ug/l

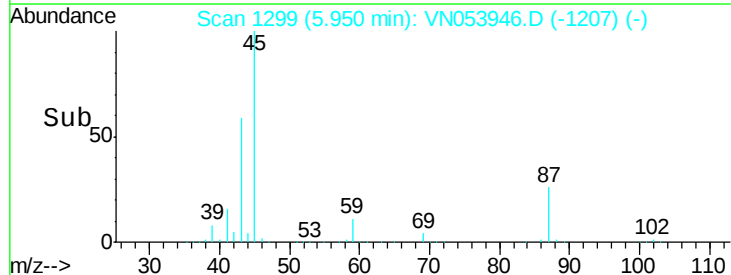
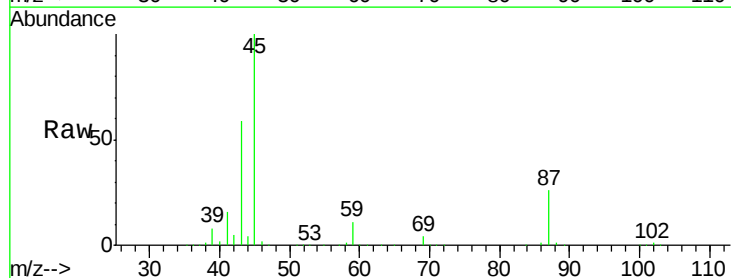
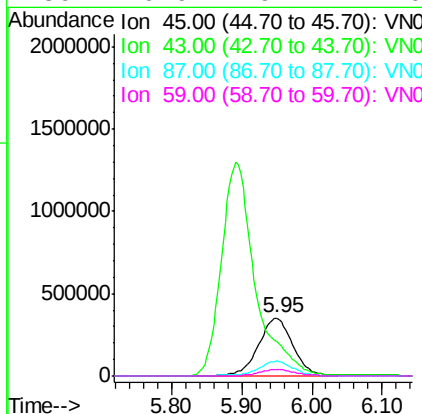
RT: 5.95 min Scan# 1299

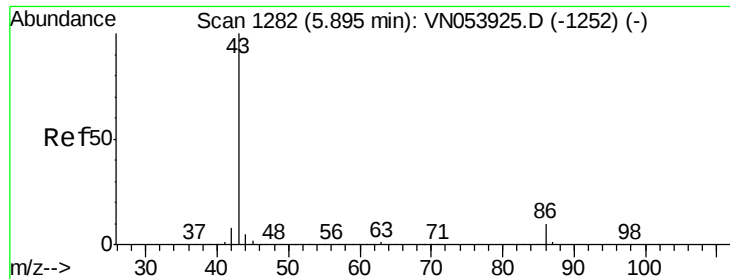
Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Tgt Ion:	45	Resp:	1203561
Ion	Ratio	Lower	Upper
45	100		
43	58.4	46.2	69.4
87	25.1	23.4	35.0
59	10.9	9.4	14.0





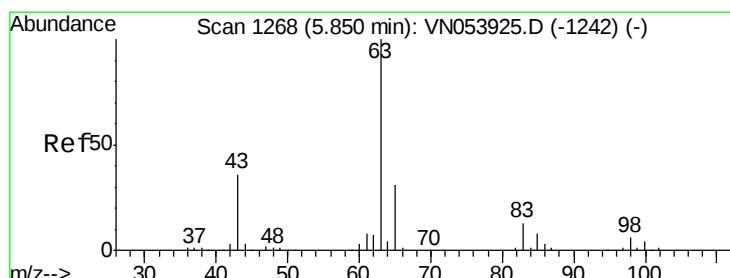
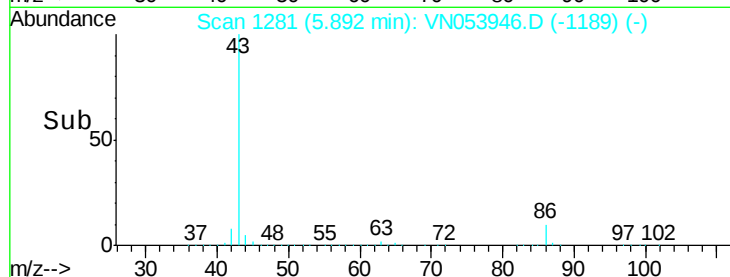
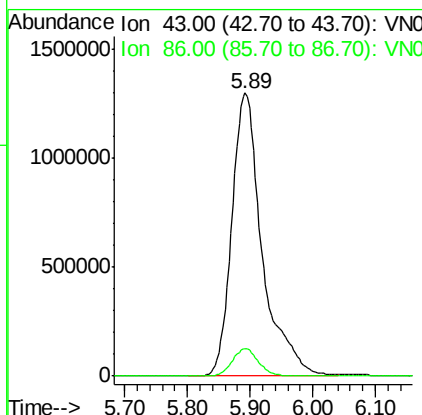
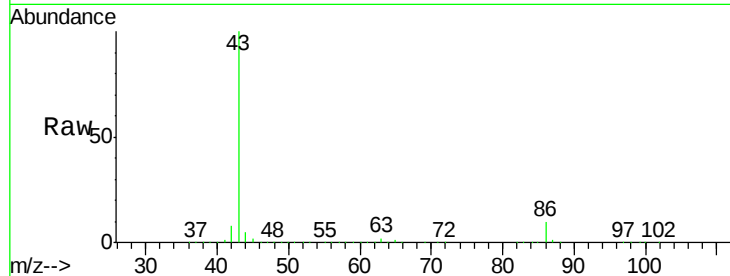
#23
 Vinyl Acetate
 Concen: 261.488 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 4363620
 Ion Ratio Lower Upper
 43 100
 86 9.6 9.1 13.7

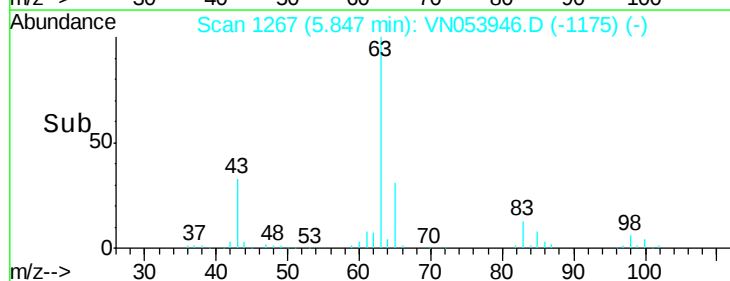
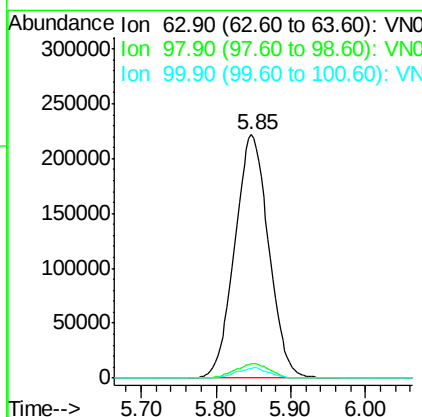
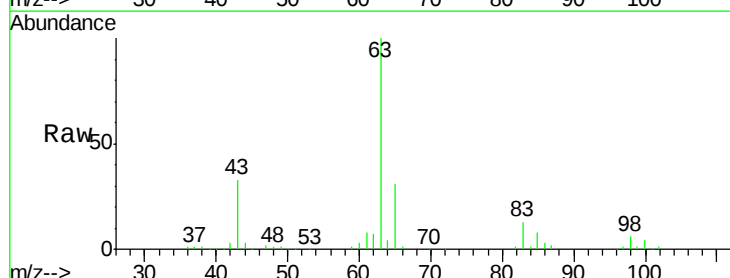
Manual Integrations
 APPROVED

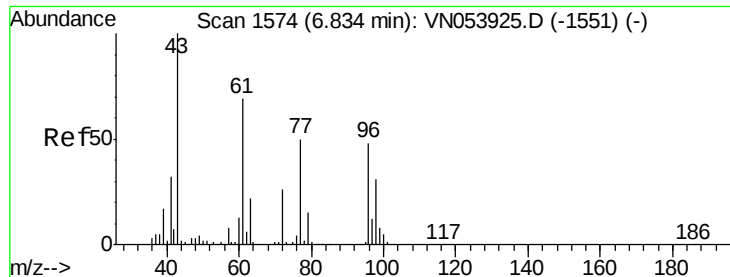
MMDadoda
 2/28/2019 10:49:40 AM



#24
 1,1-Dichloroethane
 Concen: 49.166 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion: 63 Resp: 699413
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.4 10.2
 100 4.0 2.2 6.6





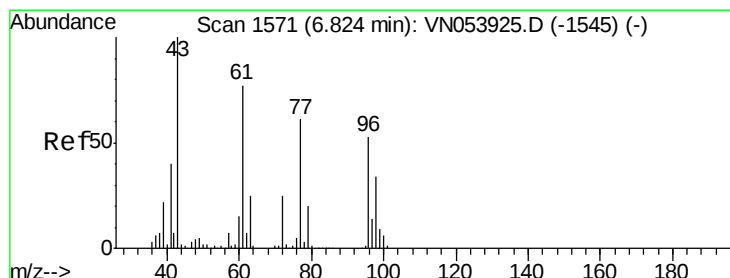
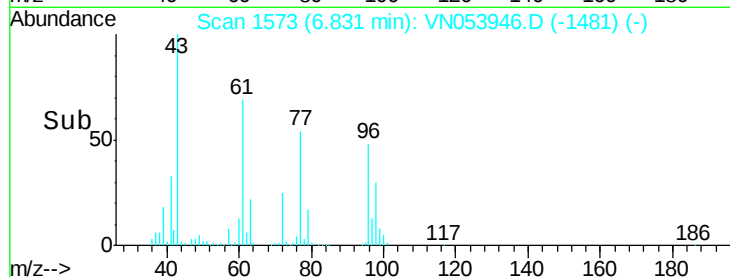
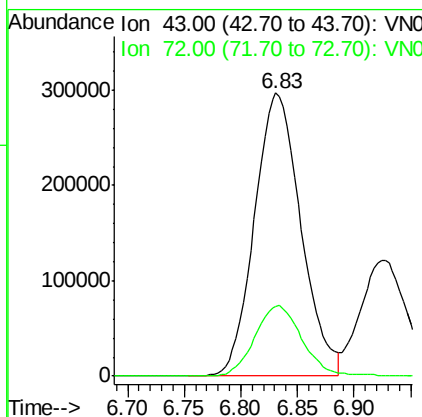
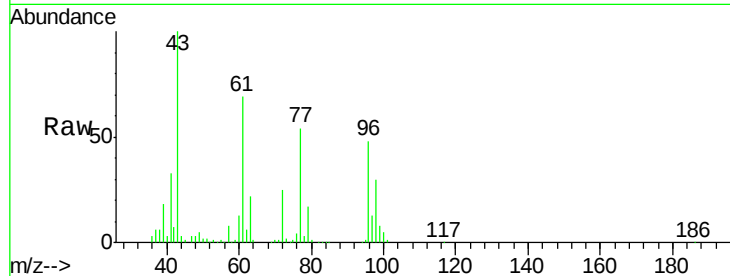
#25
2-Butanone
Concen: 264.244 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 844666
Ion Ratio Lower Upper
43 100
72 24.8 22.1 33.1

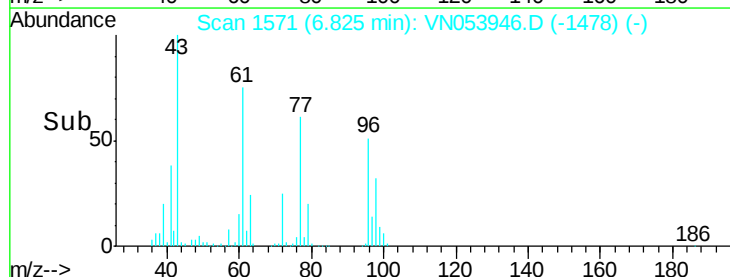
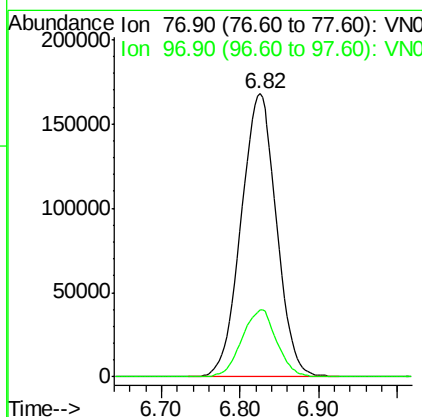
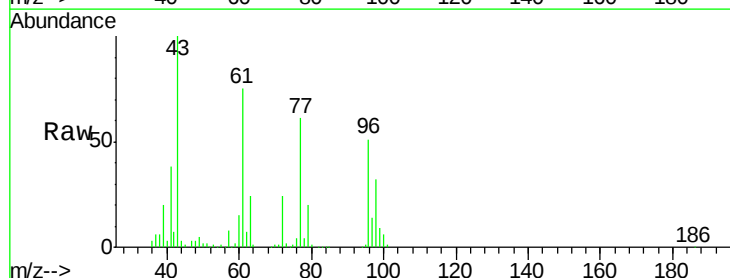
Manual Integrations
APPROVED

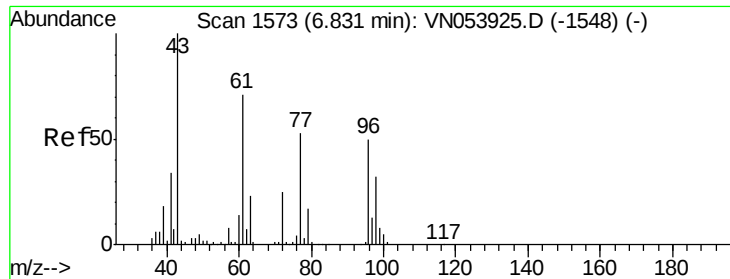
MMDadoda
2/28/2019 10:49:40 AM



#26
2,2-Dichloropropane
Concen: 52.702 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 77 Resp: 532641
Ion Ratio Lower Upper
77 100
97 23.4 12.3 36.9





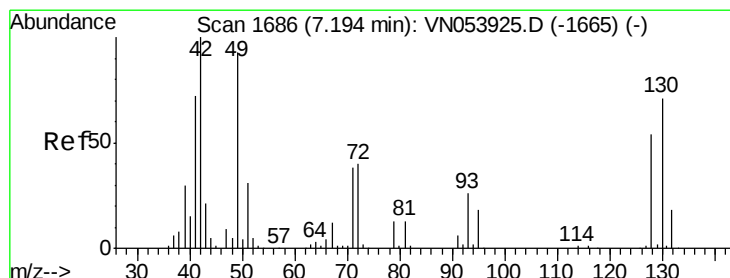
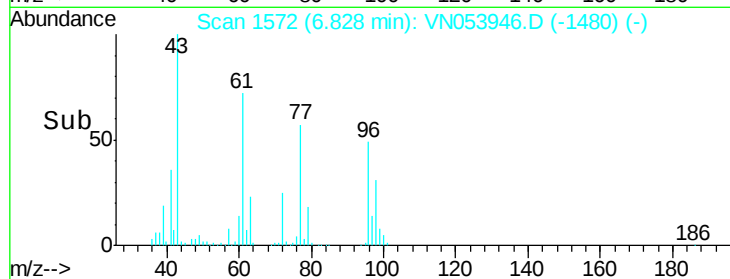
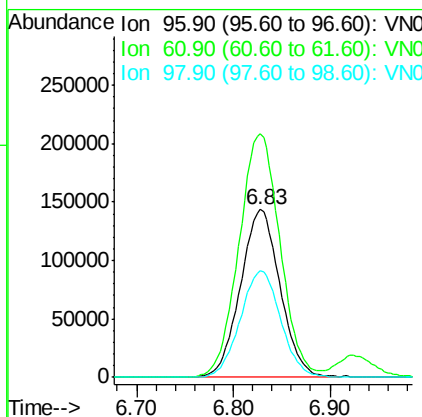
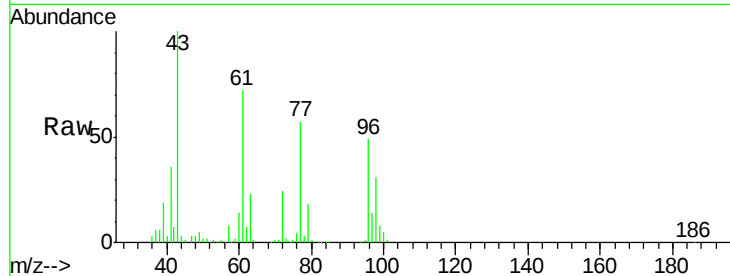
#27
 cis-1,2-Dichloroethene
 Concen: 49.550 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	408890		
61	150.3	0.0	275.6	
98	64.9	0.0	130.0	

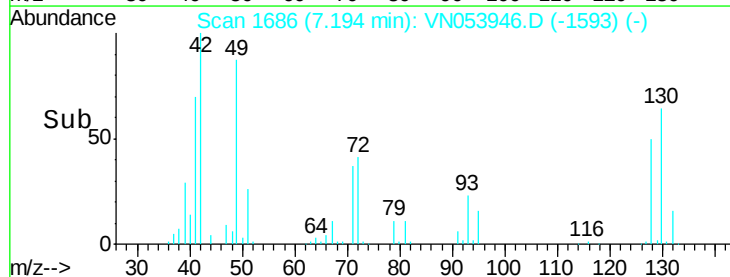
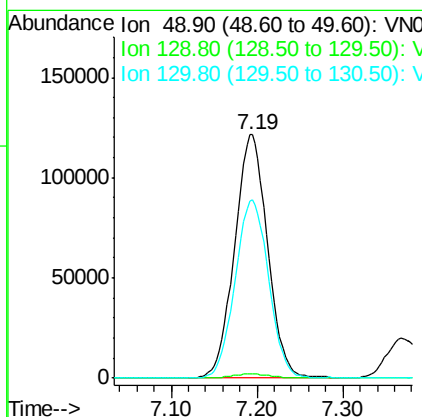
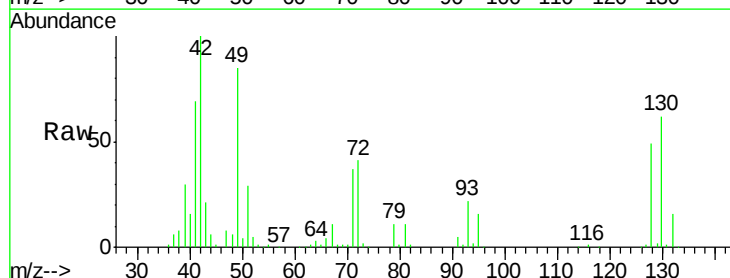
Manual Integrations
 APPROVED

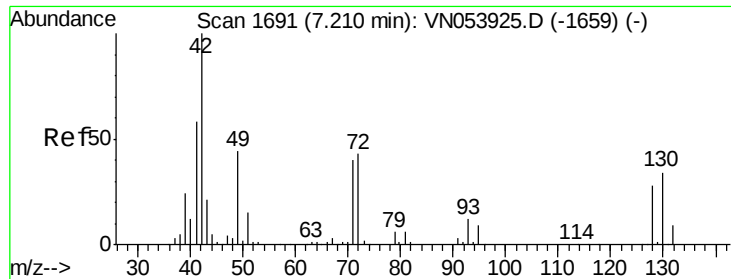
MMDadoda
 2/28/2019 10:49:40 AM



#28
 Bromochloromethane
 Concen: 49.684 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	323510		
129	1.9	0.0	4.6	
130	74.3	72.9	109.3	





#29

Tetrahydrofuran

Concen: 249.321 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

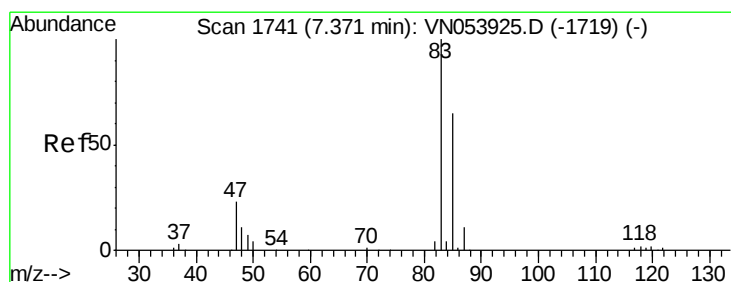
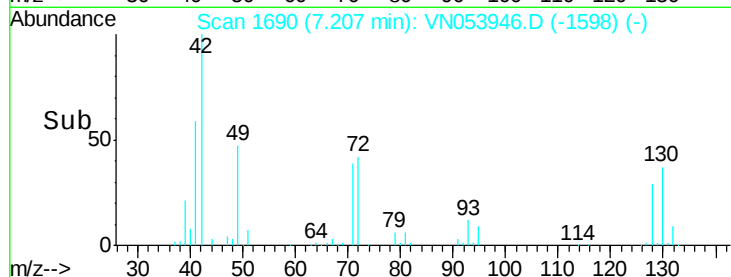
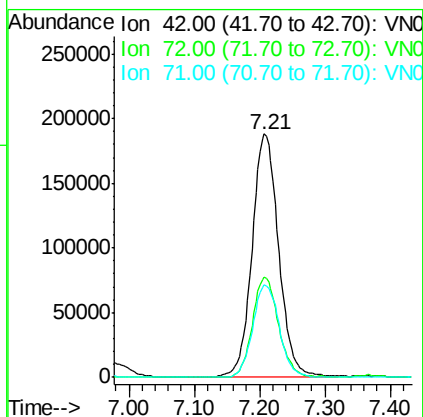
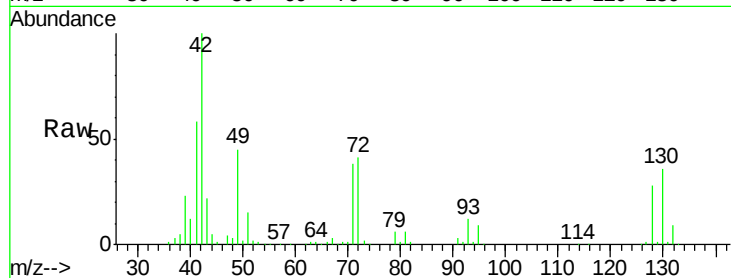
ClientSampleId :

VSTDCCC050

Tgt Ion:	42	Resp:	530724
Ion Ratio		Lower	Upper
42	100		
72	40.3	36.9	55.3
71	38.2	34.6	52.0

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM



#30

Chloroform

Concen: 49.064 ug/l

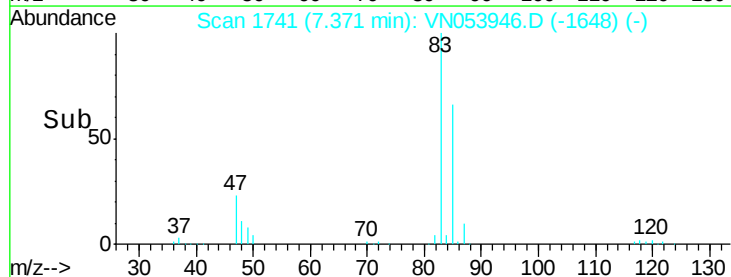
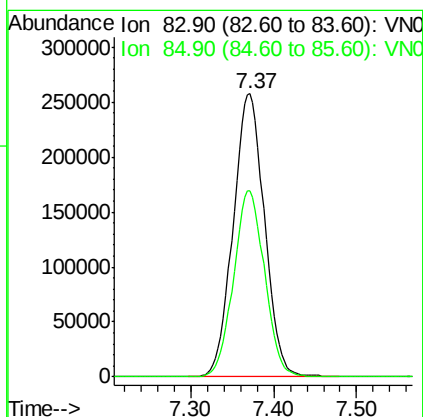
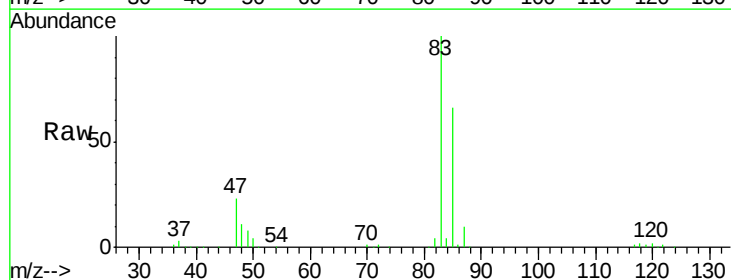
RT: 7.37 min Scan# 1741

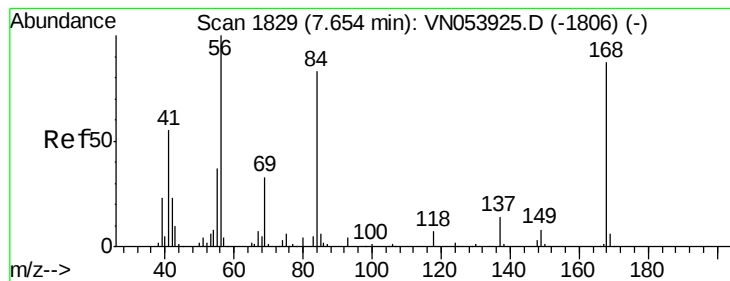
Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Tgt Ion:	83	Resp:	676784
Ion Ratio		Lower	Upper
83	100		
85	65.9	52.6	78.8





#31

Cyclohexane

Concen: 51.890 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

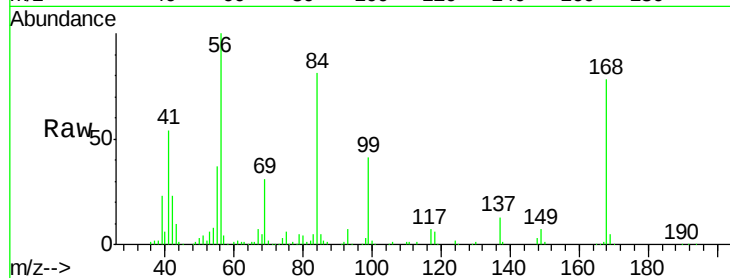
ClientSampleId :

VSTDCCC050

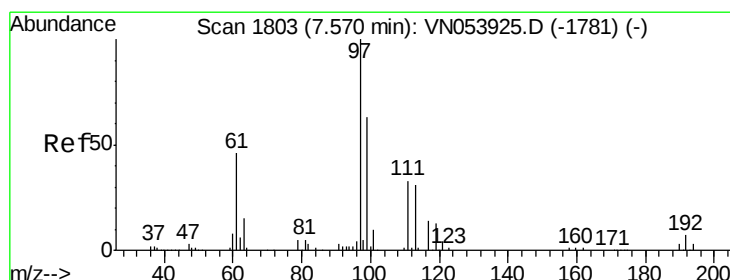
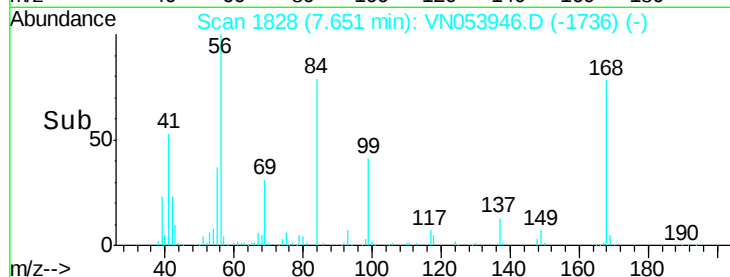
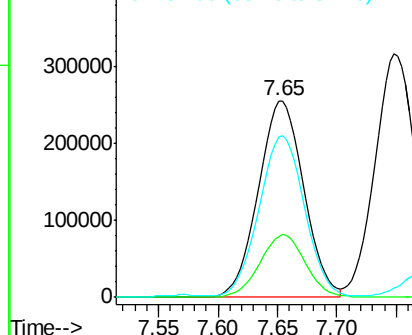
Tgt Ion:	56	Resp:	675318
Ion Ratio	Lower	Upper	
56	100		
69	31.2	26.0	39.0
84	80.3	69.1	103.7

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM



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



#32

1,1,1-Trichloroethane

Concen: 49.641 ug/l

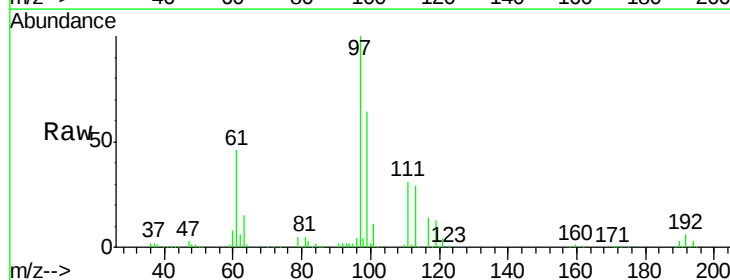
RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

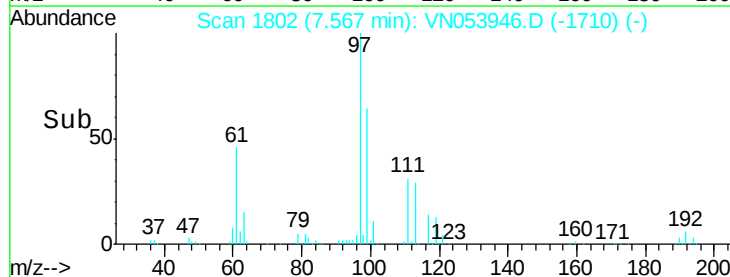
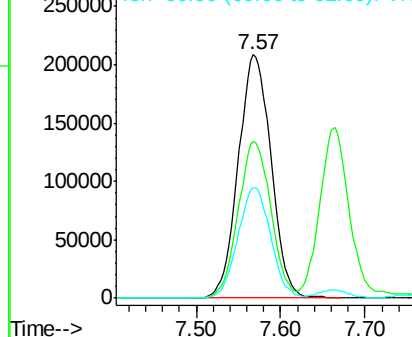
Lab File: VN053946.D

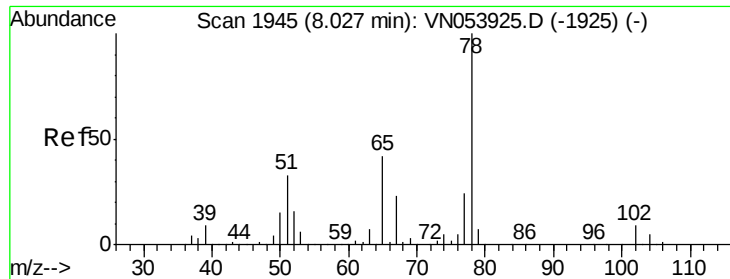
Acq: 26 Feb 2019 11:03

Tgt Ion:	97	Resp:	564593
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.8	77.8
61	45.3	33.2	49.8



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





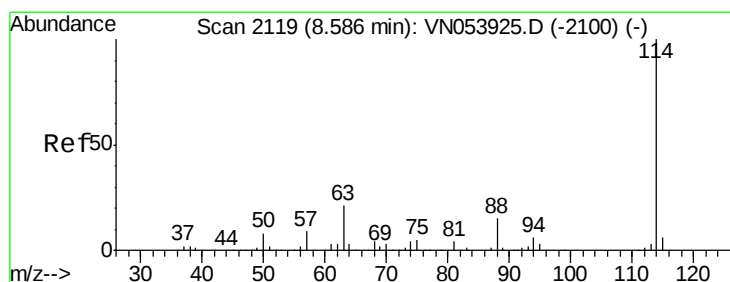
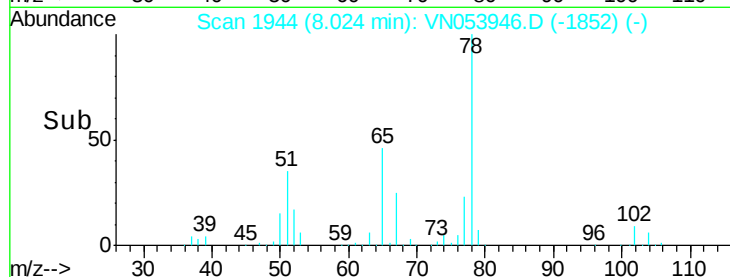
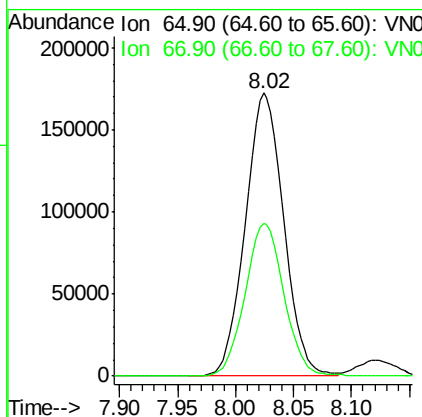
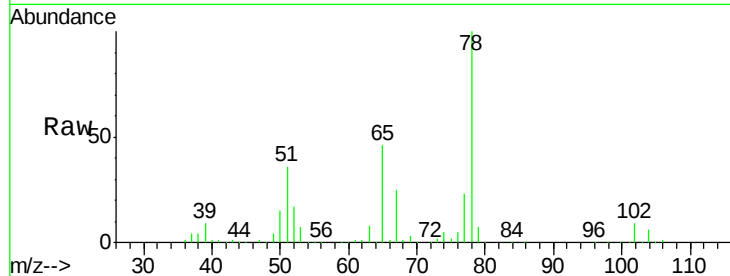
#33
 1,2-Dichloroethane-d4
 Concen: 48.865 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 397804
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 111.8

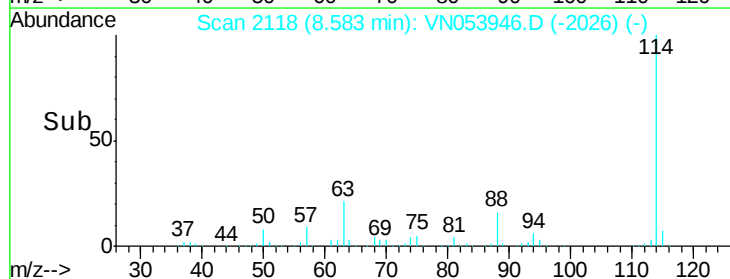
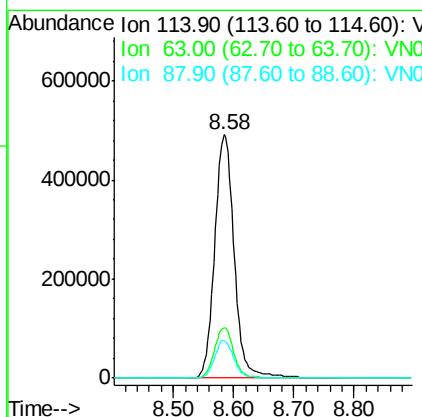
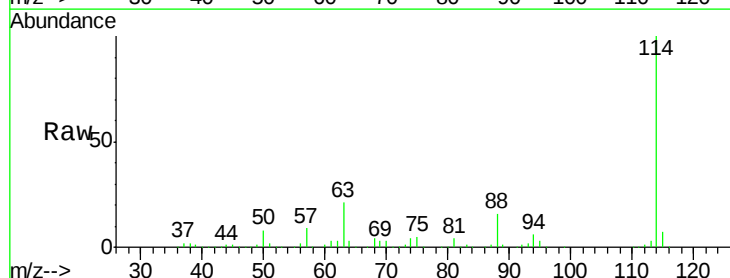
Manual Integrations
 APPROVED

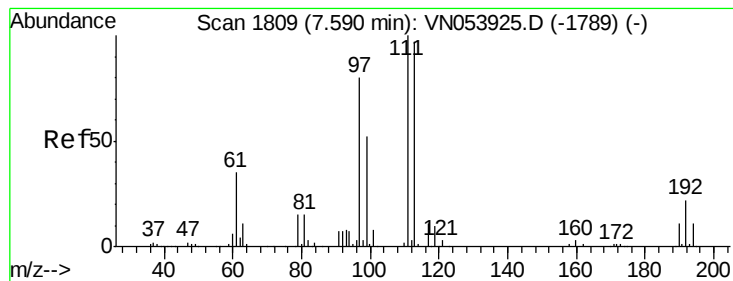
MMDadoda
 2/28/2019 10:49:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion: 114 Resp: 1084768
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 37.4
 88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.060 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

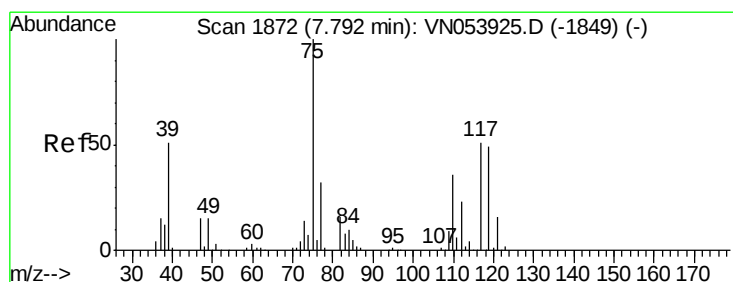
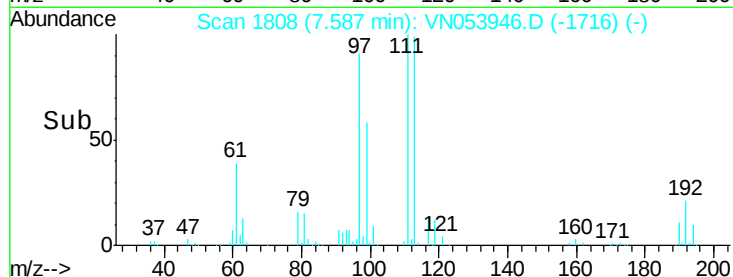
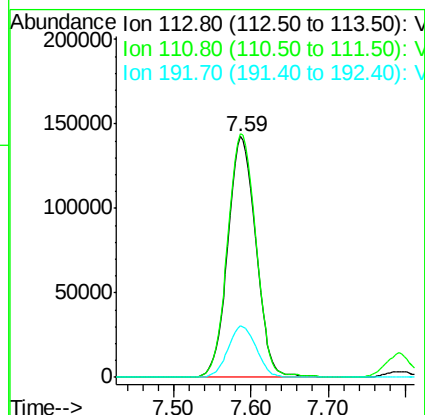
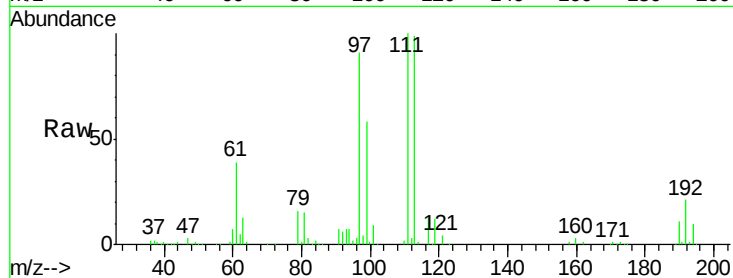
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	358176
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.1	121.7
192	21.4	18.8	28.2

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM



#36

1,1-Dichloropropene

Concen: 52.831 ug/l

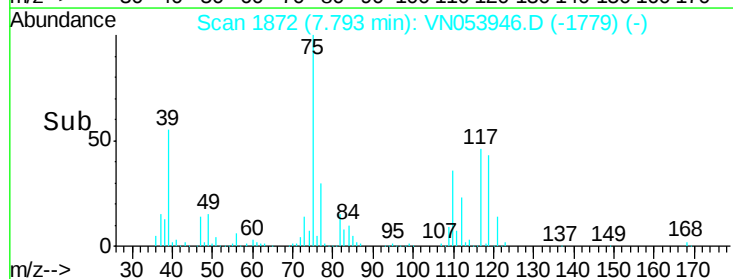
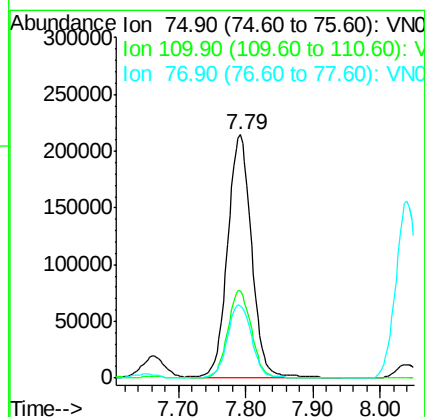
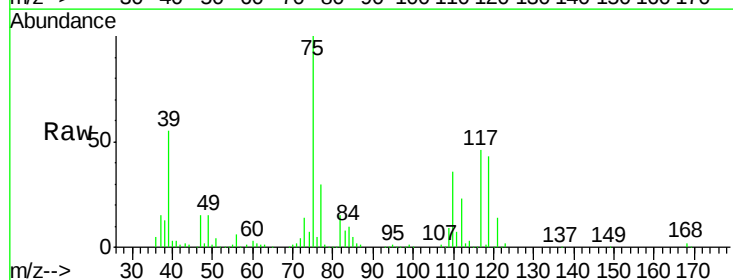
RT: 7.79 min Scan# 1872

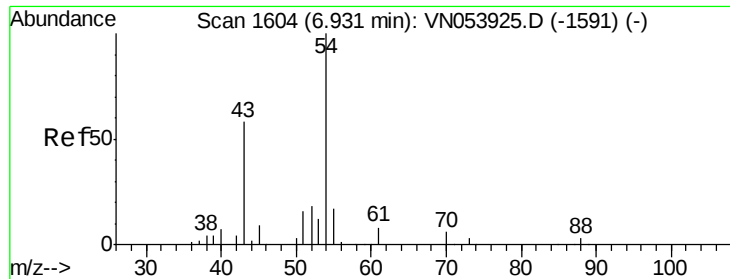
Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Tgt Ion:	75	Resp:	532957
Ion Ratio	Lower	Upper	
75	100		
110	35.7	19.0	57.0
77	31.0	25.4	38.0





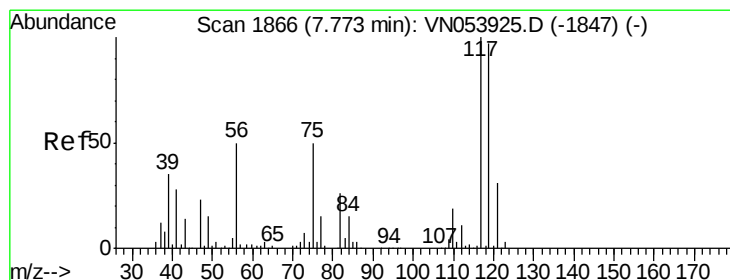
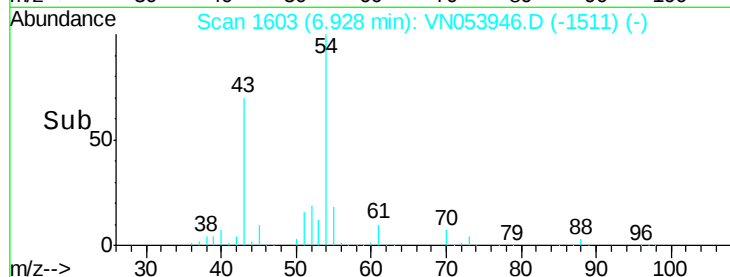
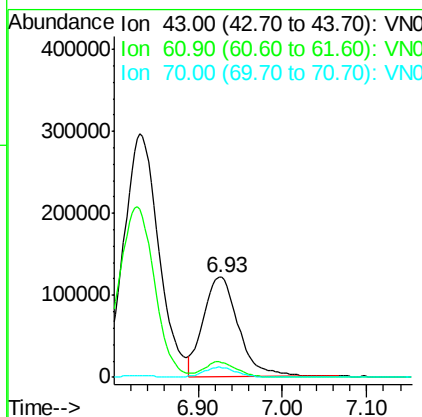
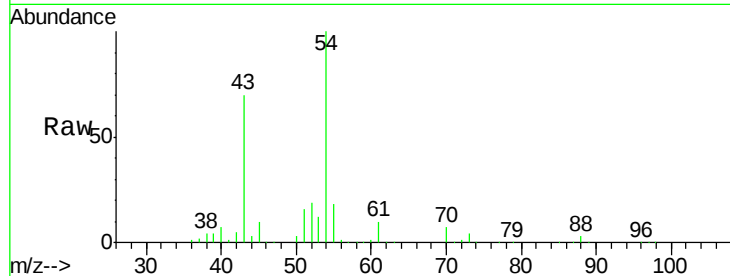
#37
Ethyl Acetate
Concen: 49.044 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.4	12.0	18.0
70	9.6	8.7	13.1

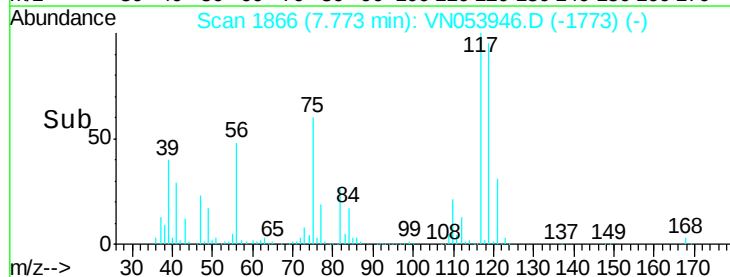
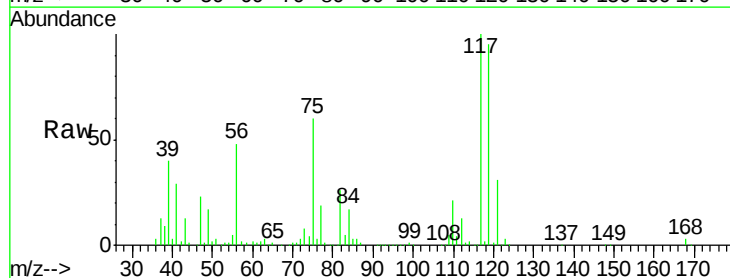
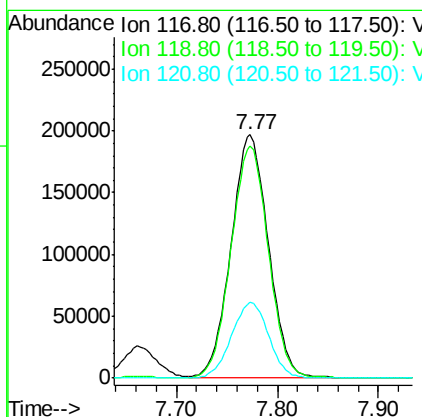
Manual Integrations
APPROVED

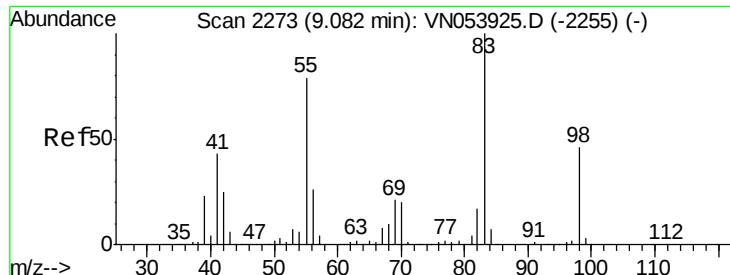
MMDadoda
2/28/2019 10:49:40 AM



#38
Carbon Tetrachloride
Concen: 47.863 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.2	114.2
121	31.2	24.6	36.8





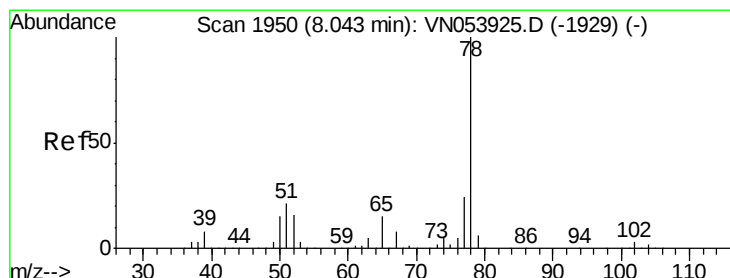
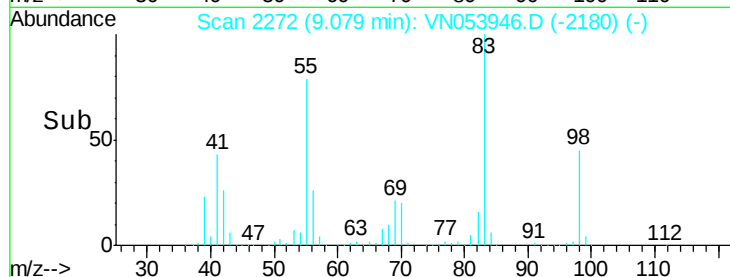
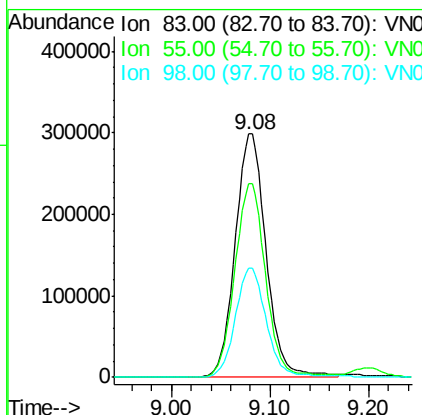
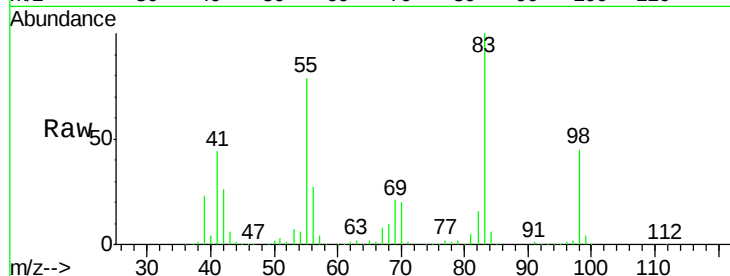
#39
Methylcyclohexane
Concen: 53.587 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.3	58.2	87.4
98	45.1	37.2	55.8

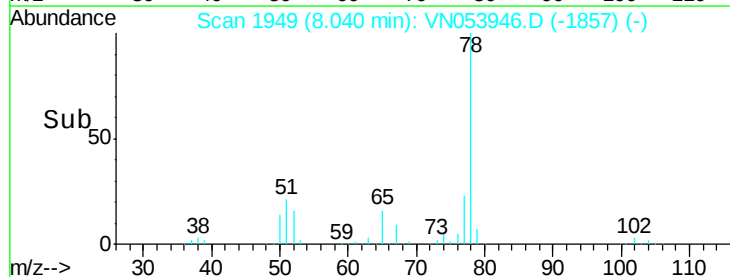
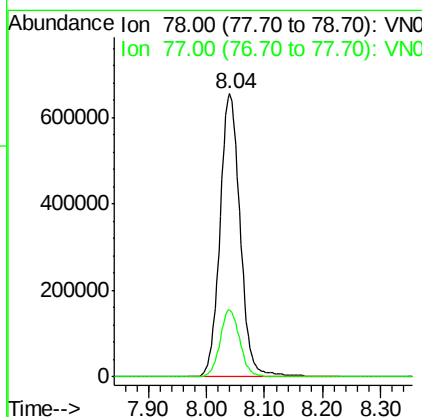
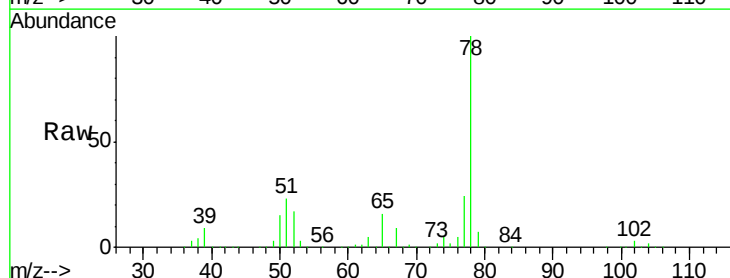
Manual Integrations
APPROVED

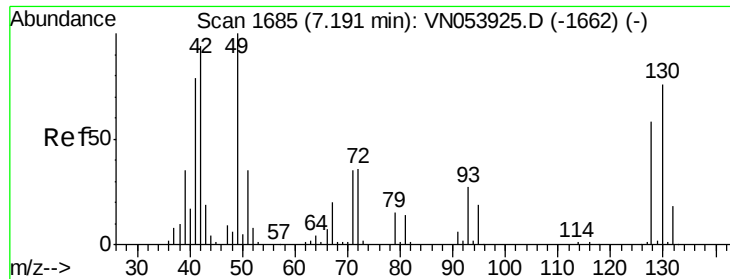
MMDadoda
2/28/2019 10:49:40 AM



#40
Benzene
Concen: 50.884 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





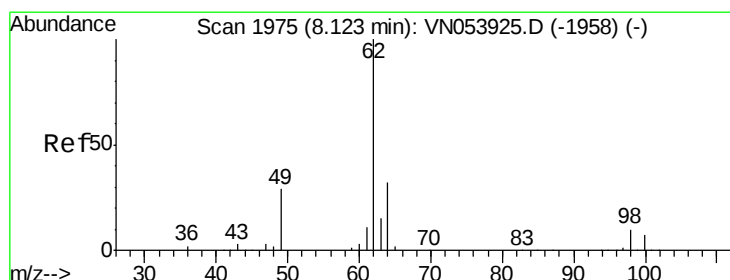
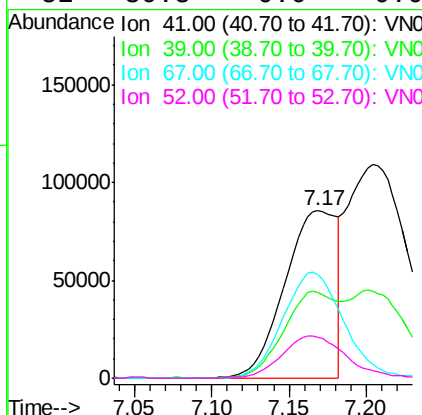
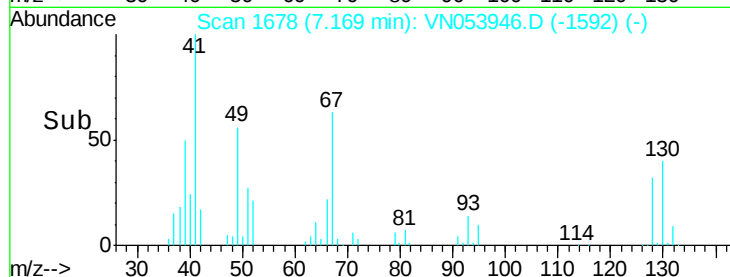
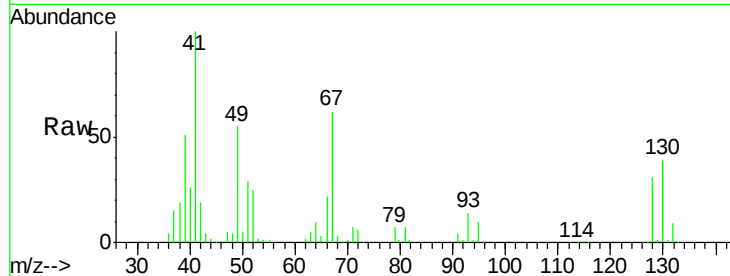
#41
Methacrylonitrile
Concen: 43.165 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.5	0.0	0.0#
67	75.2	0.0	0.0#
52	30.8	0.0	0.0#

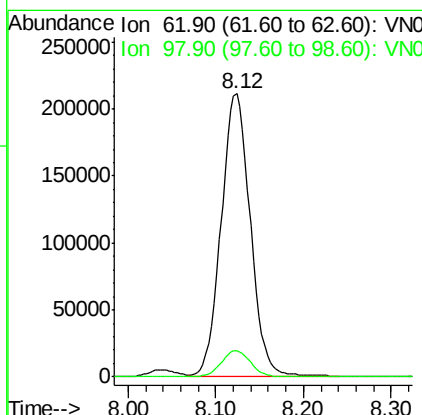
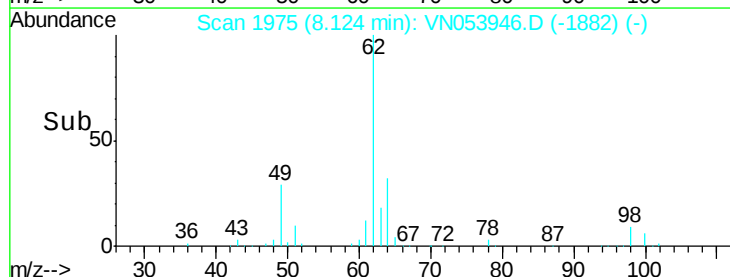
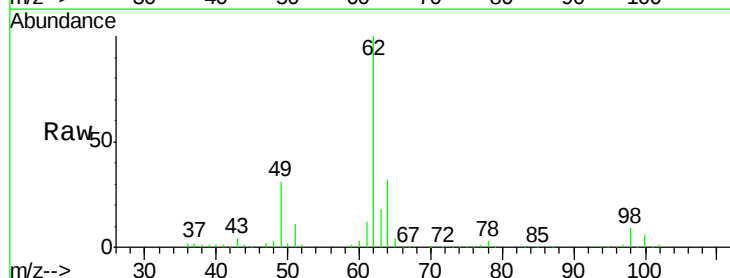
Manual Integrations
APPROVED

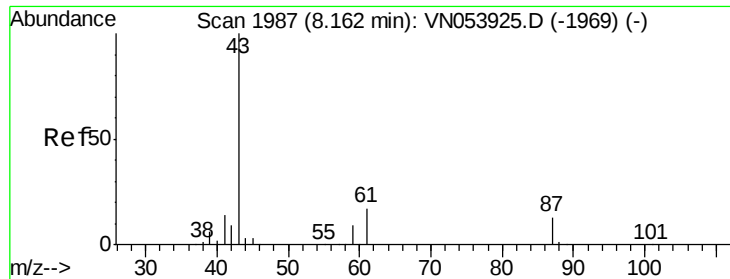
MMDadoda
2/28/2019 10:49:40 AM



#42
1,2-Dichloroethane
Concen: 50.700 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.8





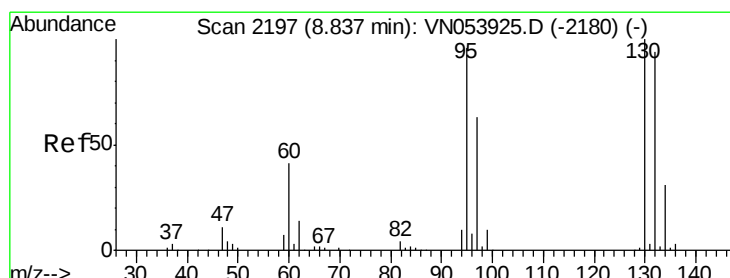
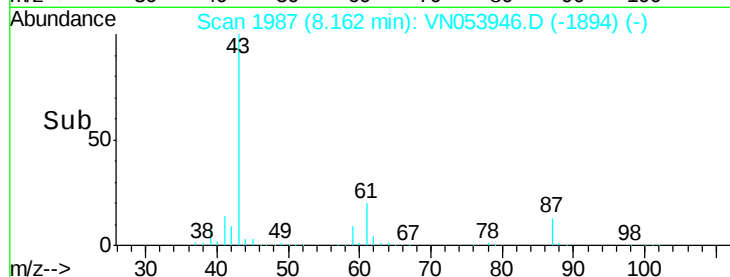
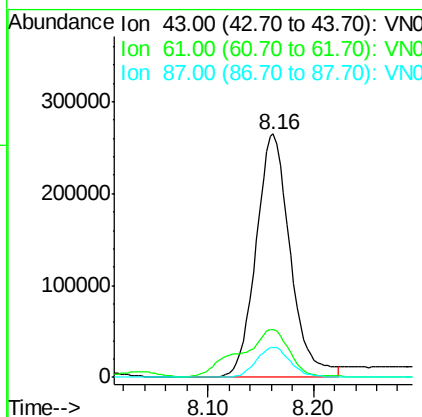
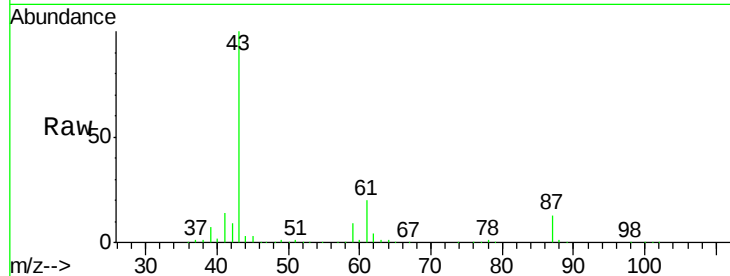
#43
Isopropyl Acetate
Concen: 49.105 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.8	17.4	26.0#
87	12.5	11.5	17.3

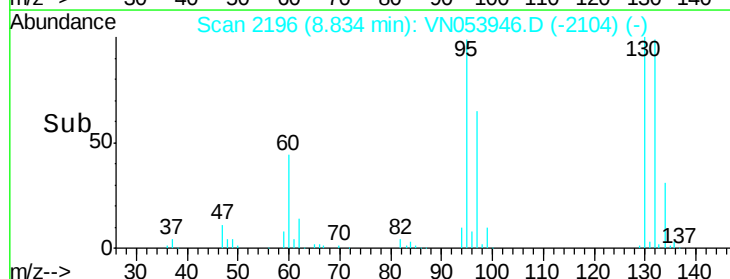
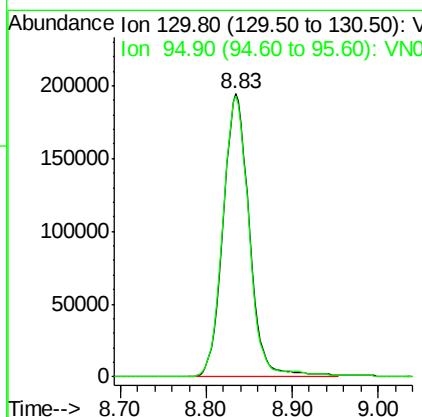
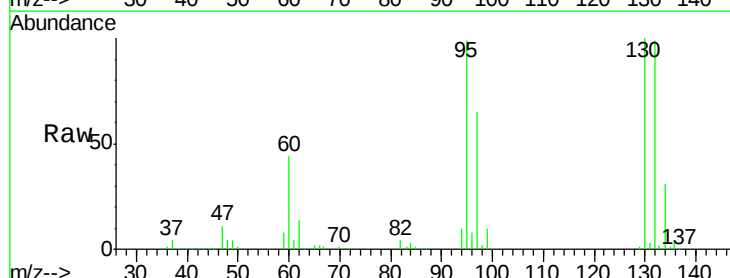
Manual Integrations
APPROVED

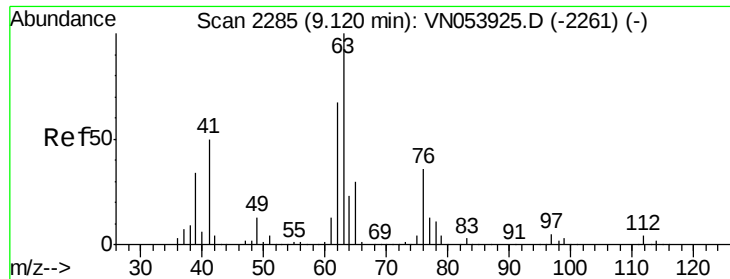
MMDadoda
2/28/2019 10:49:40 AM



#44
Trichloroethene
Concen: 50.277 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	190.0





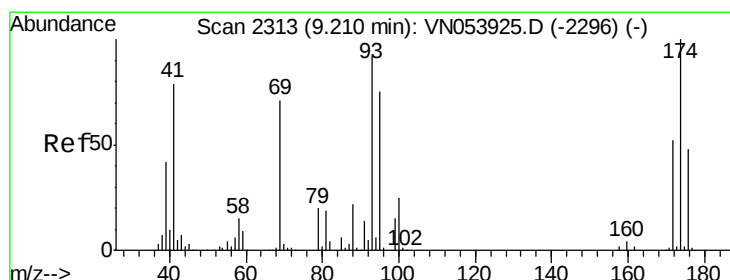
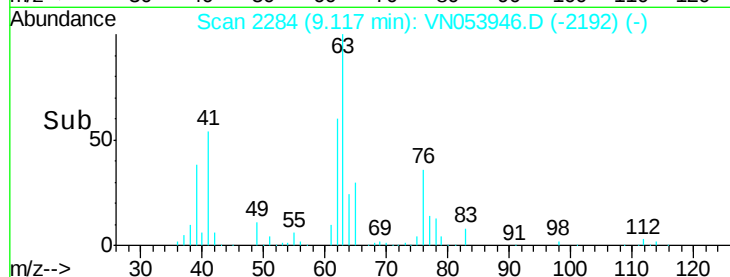
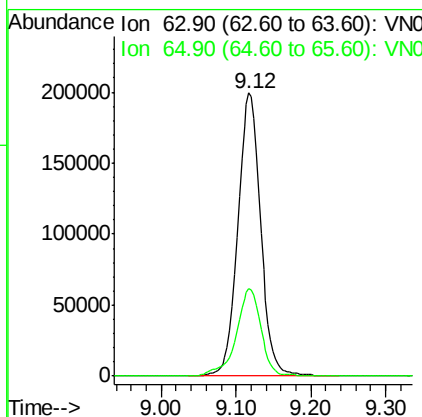
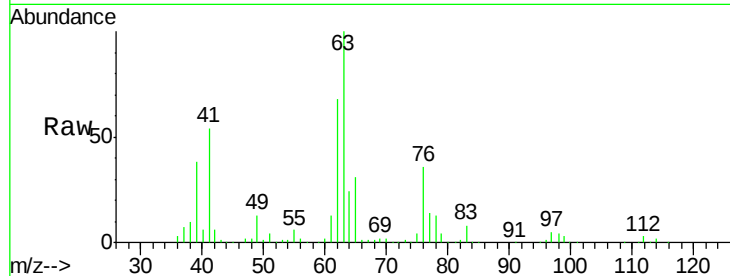
#45
 1,2-Dichloropropane
 Concen: 50.580 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion: 63 Resp: 422907
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.3 36.5

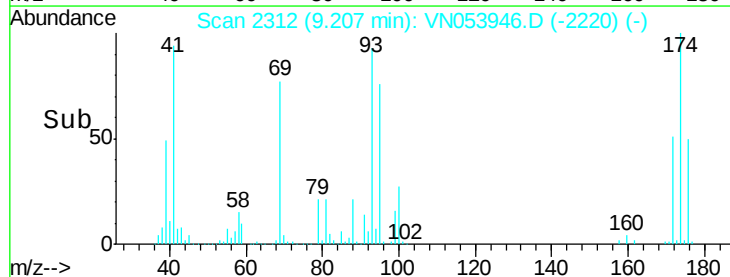
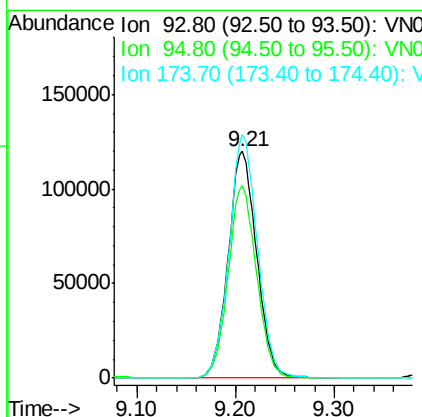
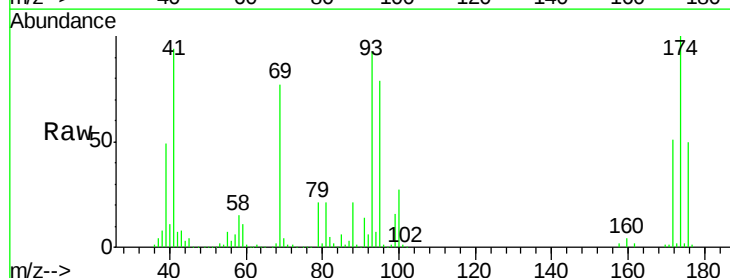
Manual Integrations
 APPROVED

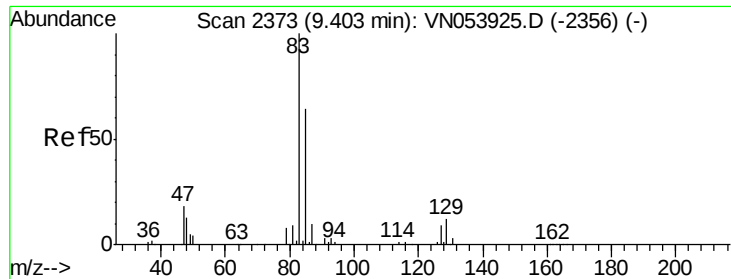
MMDadoda
 2/28/2019 10:49:40 AM



#46
 Dibromomethane
 Concen: 50.020 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion: 93 Resp: 242803
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.6 100.0
 174 106.5 96.2 144.4





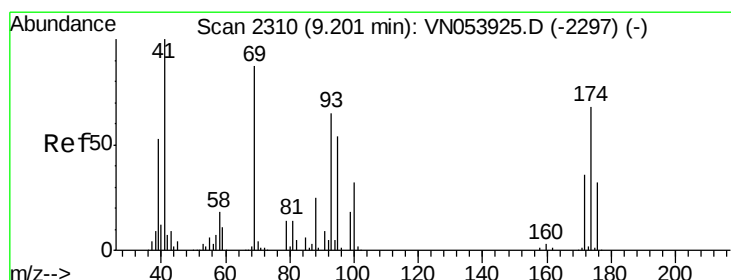
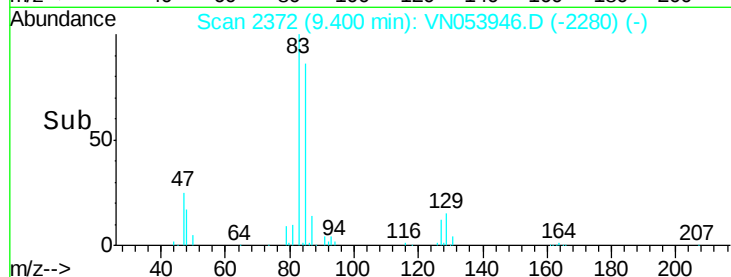
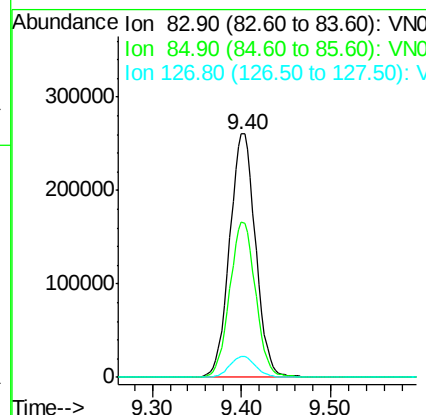
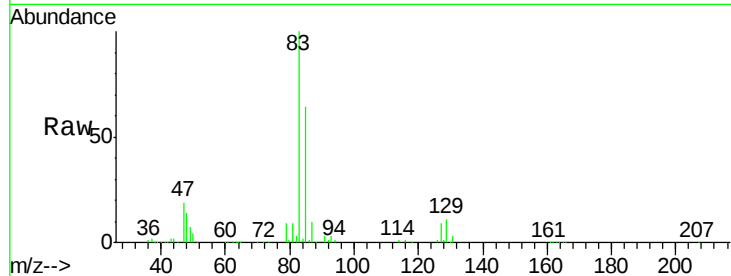
#47
Bromodichloromethane
Concen: 51.298 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6
127	8.6	7.4	11.0

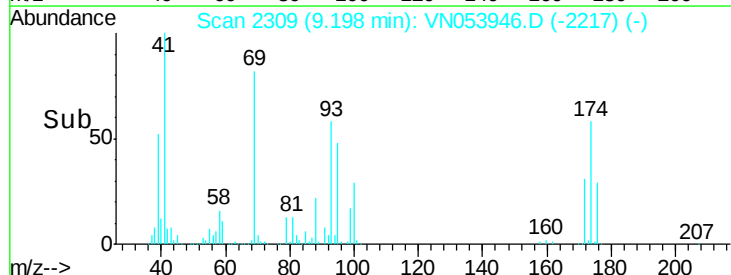
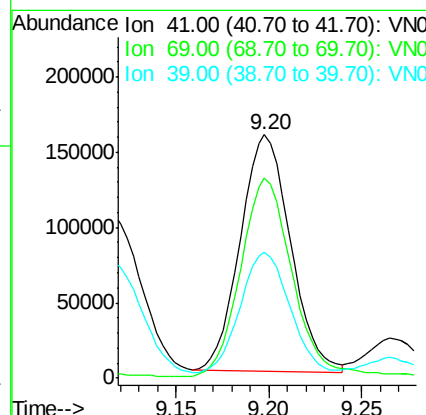
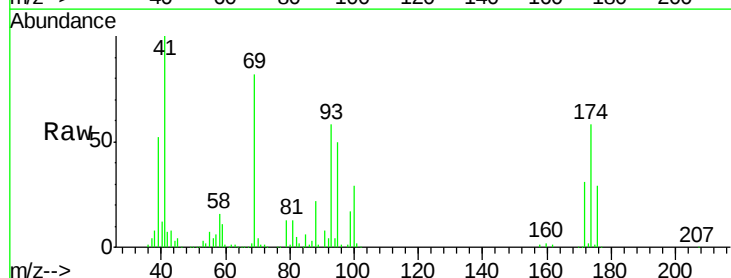
Manual Integrations
APPROVED

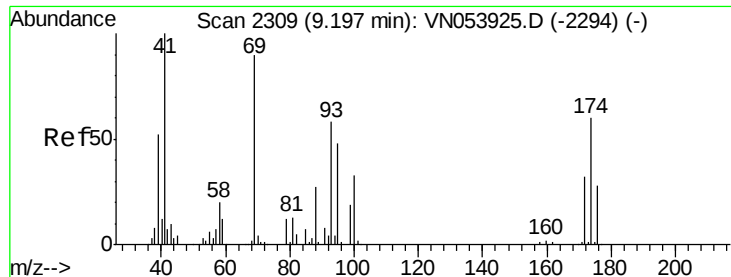
MMDadoda
2/28/2019 10:49:40 AM



#48
Methyl methacrylate
Concen: 52.630 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.0	74.8	112.2
39	50.7	39.0	58.6





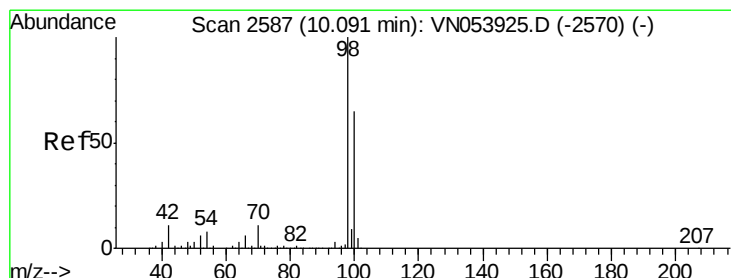
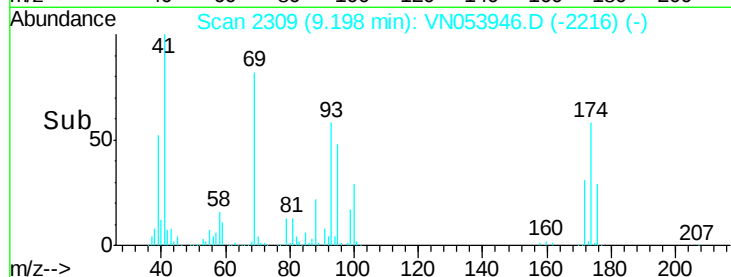
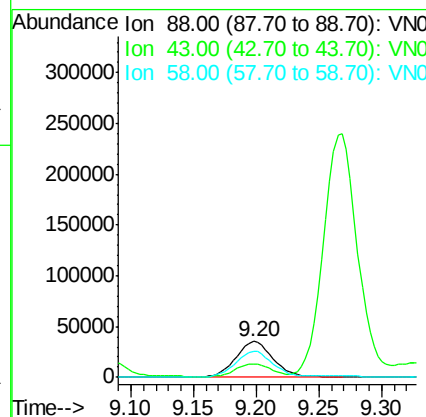
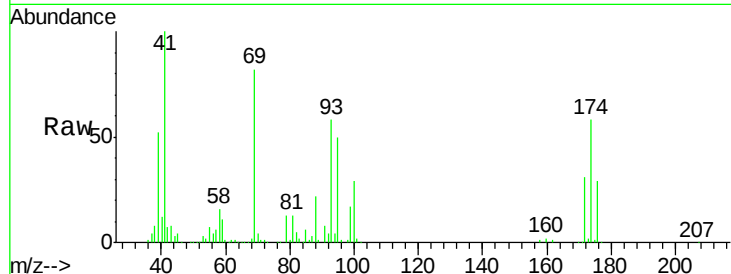
#49
1,4-Dioxane
Concen: 980.559 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 74296
Ion Ratio Lower Upper
88 100
43 33.7 21.2 31.8#
58 71.7 54.2 81.2

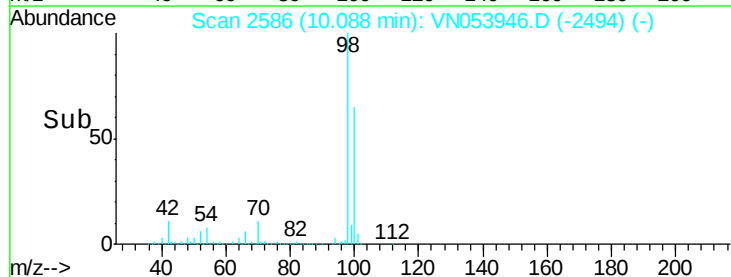
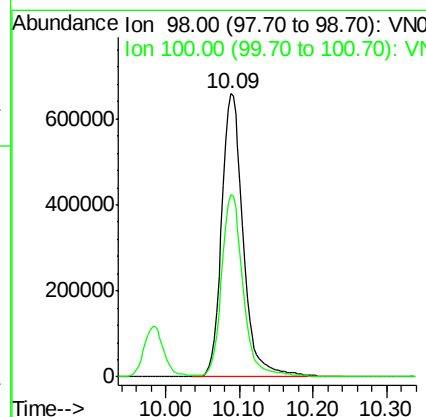
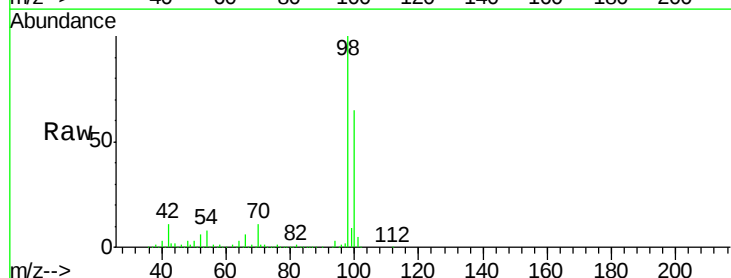
Manual Integrations
APPROVED

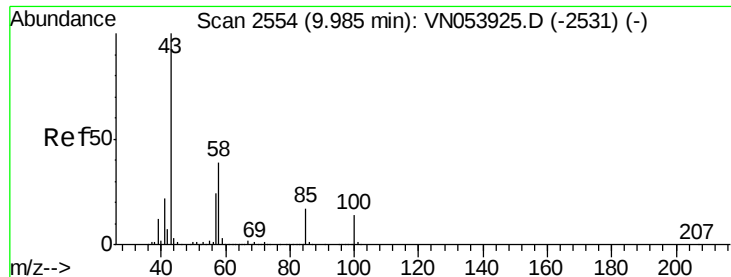
MMDadoda
2/28/2019 10:49:40 AM



#50
Toluene-d8
Concen: 51.213 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 98 Resp: 1337322
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9





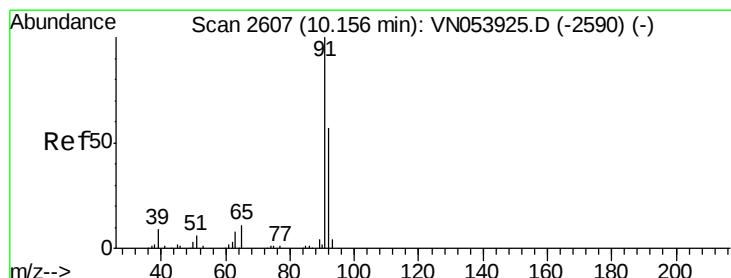
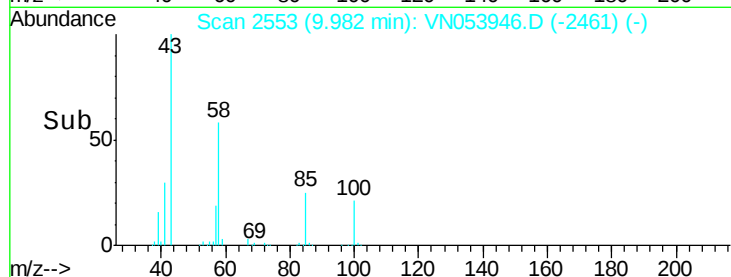
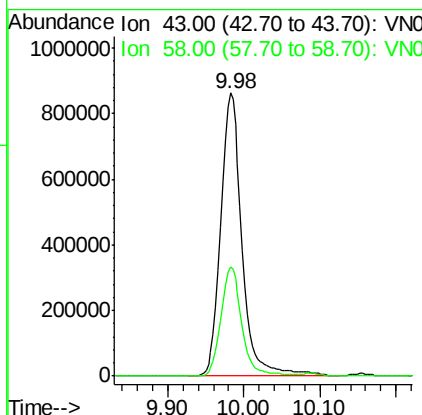
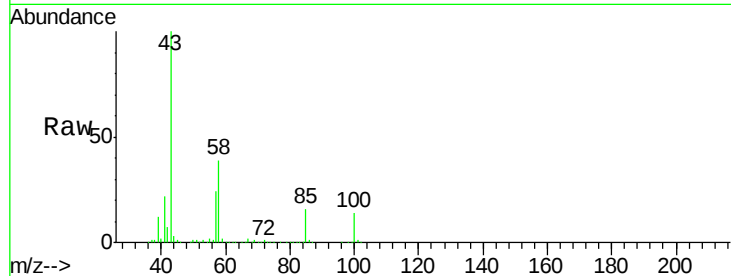
#51
 4-Methyl-2-Pentanone
 Concen: 268.646 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1678947
 Ion Ratio Lower Upper
 43 100
 58 37.8 32.7 49.1

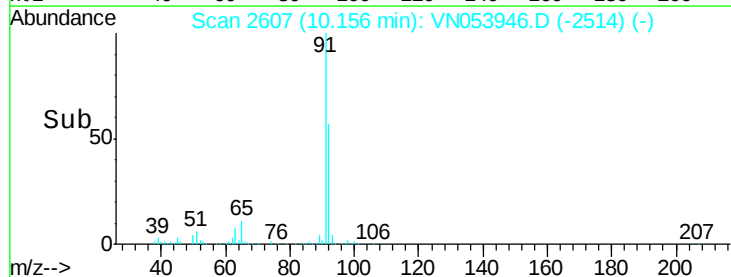
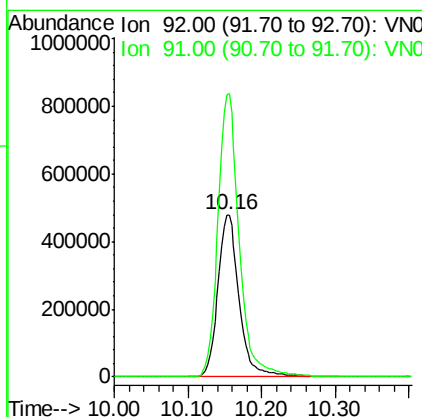
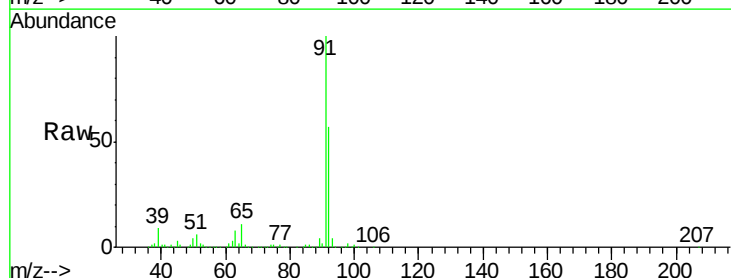
Manual Integrations
 APPROVED

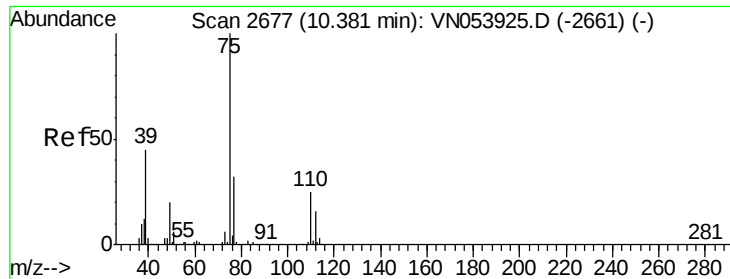
MMDadoda
 2/28/2019 10:49:40 AM



#52
 Toluene
 Concen: 52.437 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion: 92 Resp: 956882
 Ion Ratio Lower Upper
 92 100
 91 175.0 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 53.549 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 532990

Ion Ratio Lower Upper

75 100

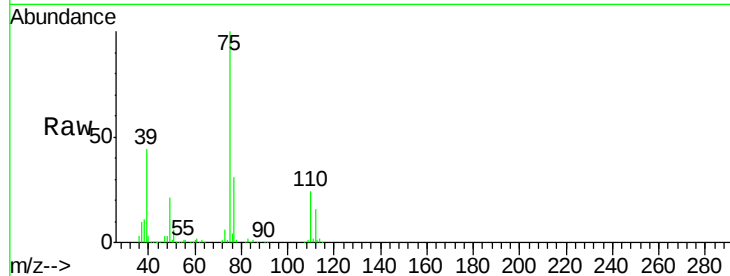
77 30.6 25.0 37.6

Manual Integrations

APPROVED

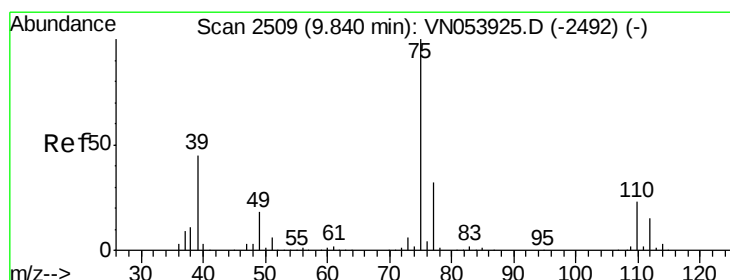
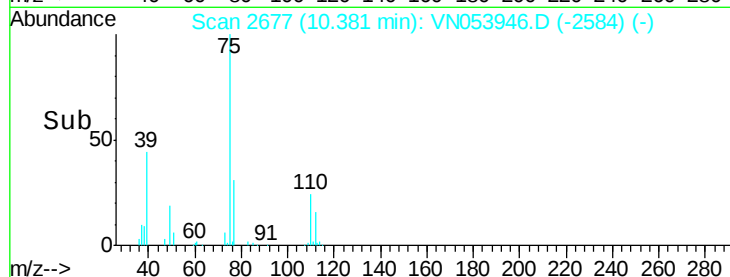
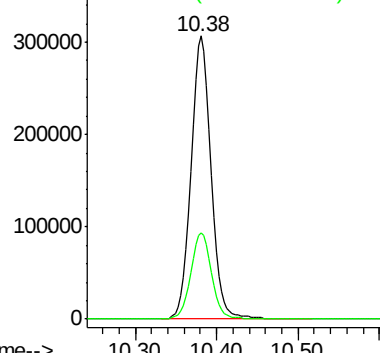
MMDadoda

2/28/2019 10:49:40 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.039 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

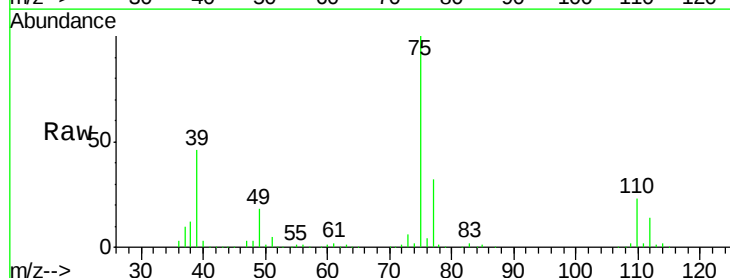
Tgt Ion: 75 Resp: 622352

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6

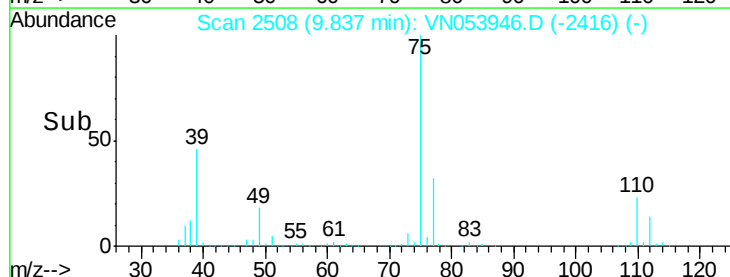
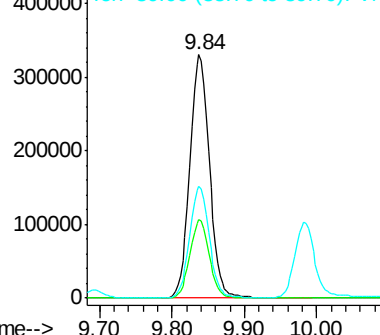
39 45.9 31.4 47.0

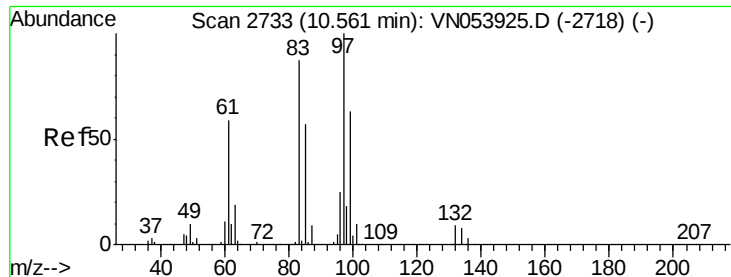


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 50.608 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

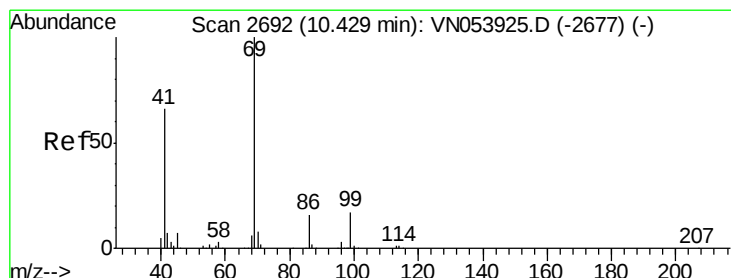
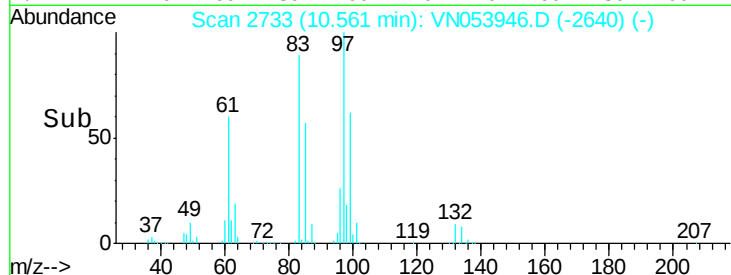
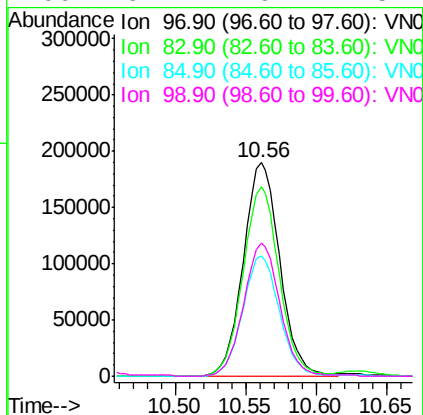
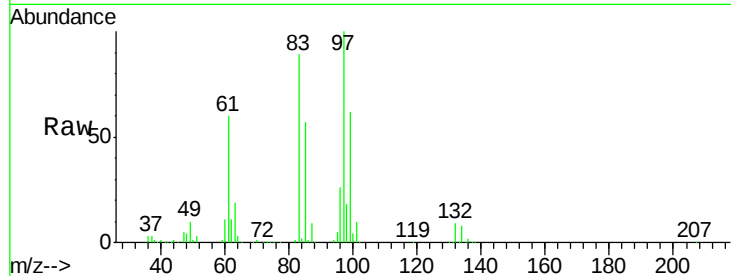
ClientSampleId :

VSTDCCC050

Tgt Ion:	97	Resp:	344893
Ion	Ratio	Lower	Upper
97	100		
83	88.7	69.5	104.3
85	56.5	45.9	68.9
99	62.2	49.1	73.7

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM



#56

Ethyl methacrylate

Concen: 48.379 ug/l

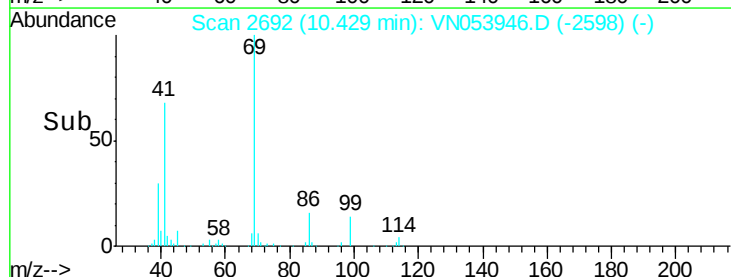
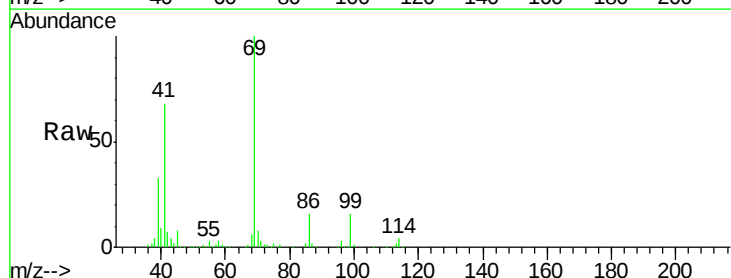
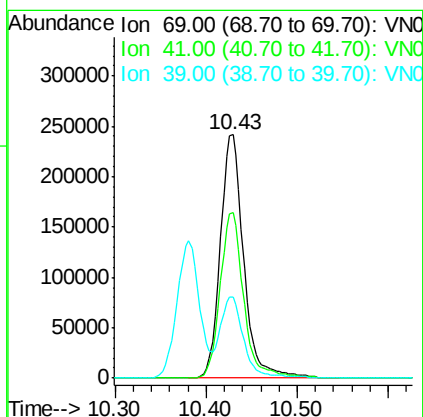
RT: 10.43 min Scan# 2692

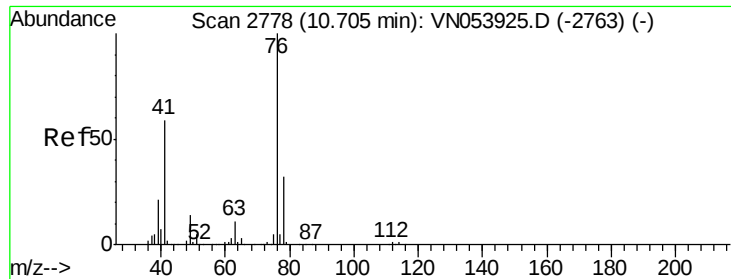
Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Tgt Ion:	69	Resp:	431724
Ion	Ratio	Lower	Upper
69	100		
41	67.9	47.5	71.3
39	32.9	23.4	35.0





#57

1,3-Dichloropropane

Concen: 51.398 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 591837

Ion Ratio Lower Upper

76 100

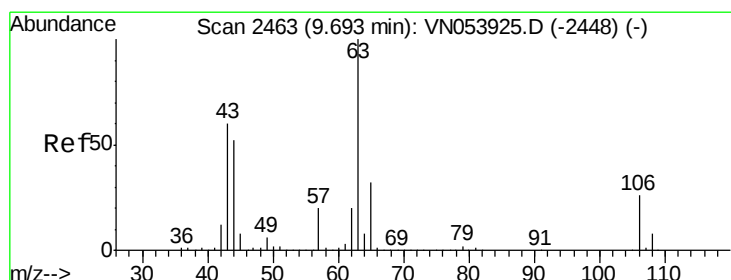
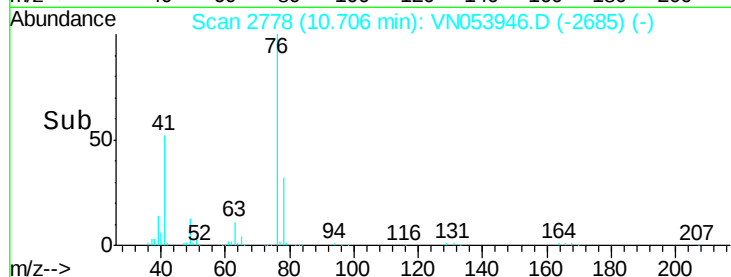
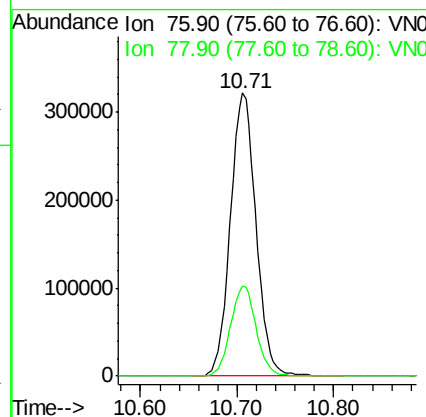
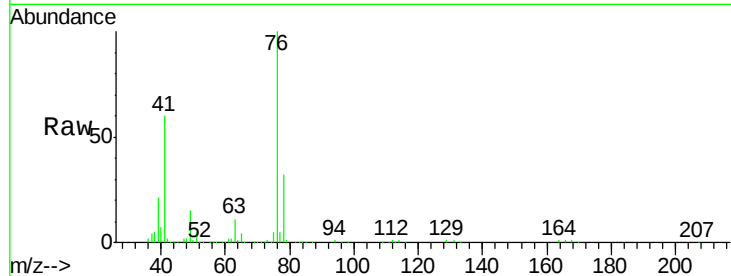
78 31.9 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

2/28/2019 10:49:40 AM



#58

2-Chloroethyl Vinyl ether

Concen: 245.163 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053946.D

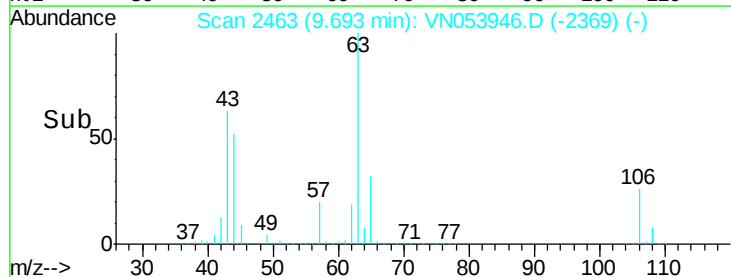
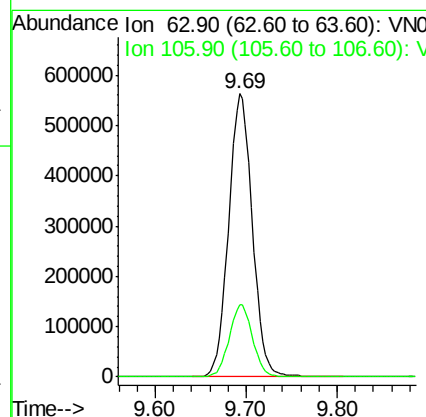
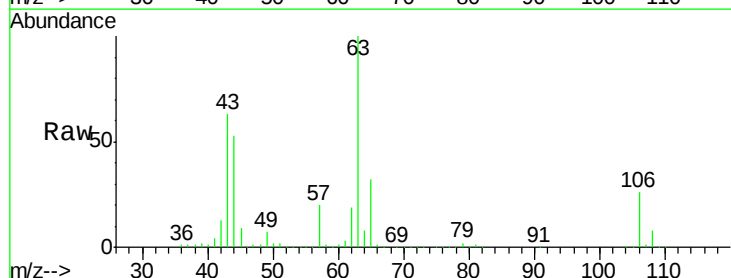
Acq: 26 Feb 2019 11:03

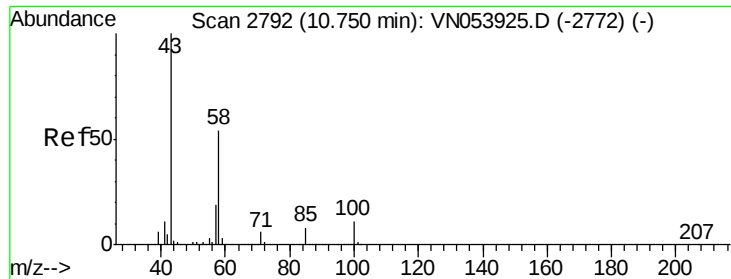
Tgt Ion: 63 Resp: 1018794

Ion Ratio Lower Upper

63 100

106 25.1 22.2 33.2





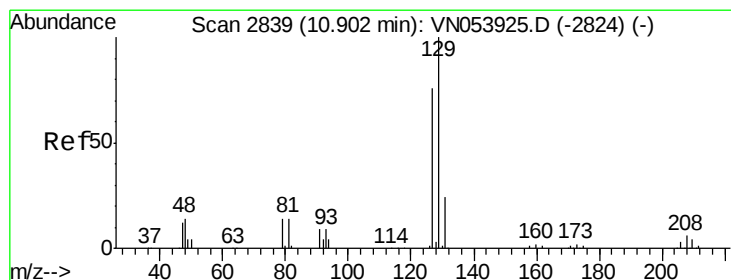
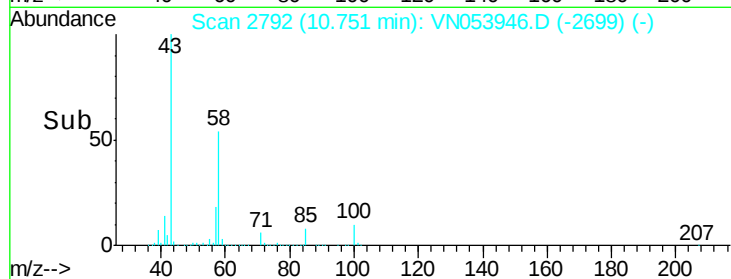
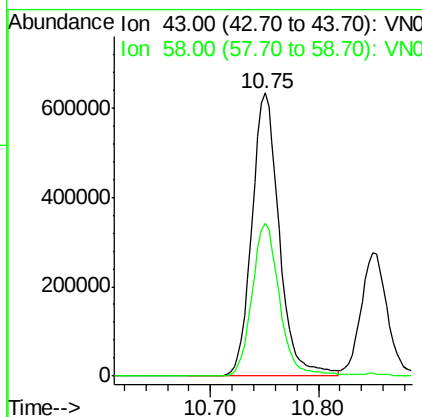
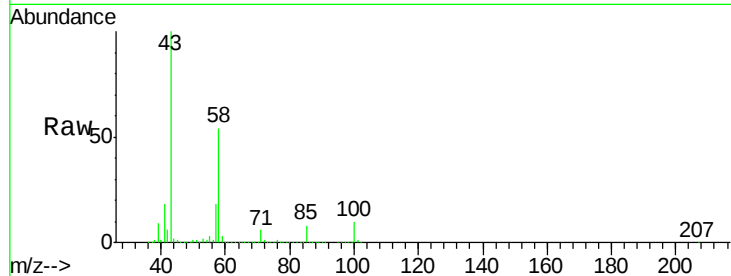
#59
2-Hexanone
Concen: 273.258 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1110701
Ion Ratio Lower Upper
43 100
58 54.4 29.1 87.4

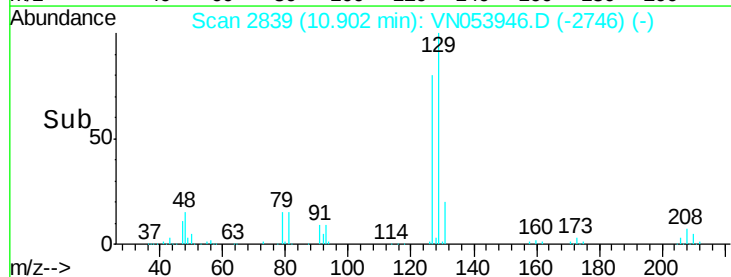
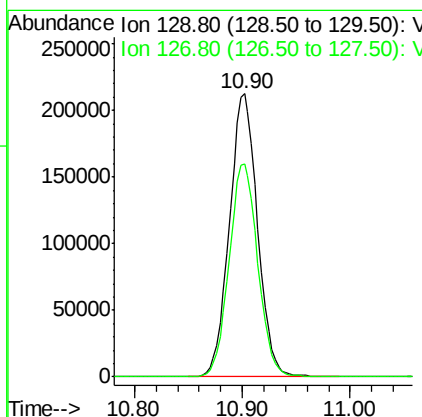
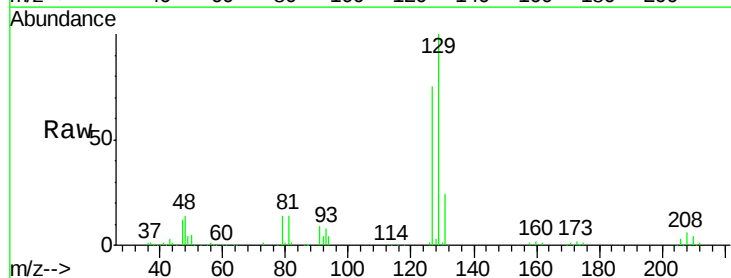
Manual Integrations
APPROVED

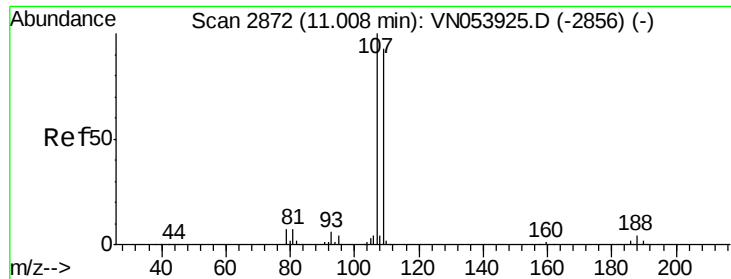
MMDadoda
2/28/2019 10:49:40 AM



#60
Dibromochloromethane
Concen: 50.970 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 129 Resp: 386046
Ion Ratio Lower Upper
129 100
127 76.7 38.8 116.3





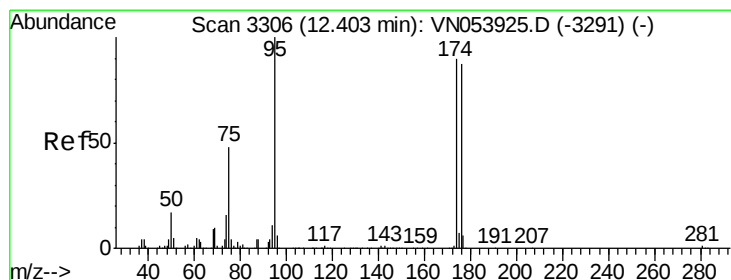
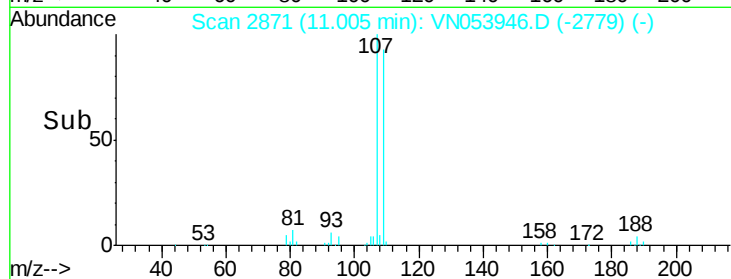
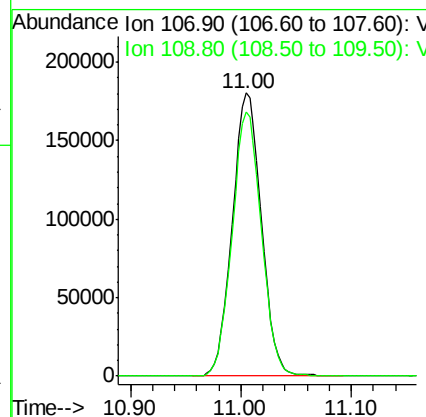
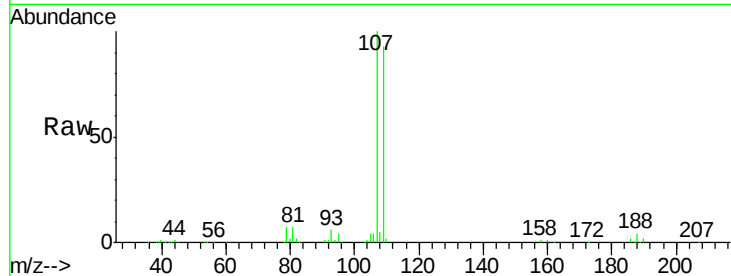
#61
 1,2-Dibromoethane
 Concen: 50.095 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 329330
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.3 114.5

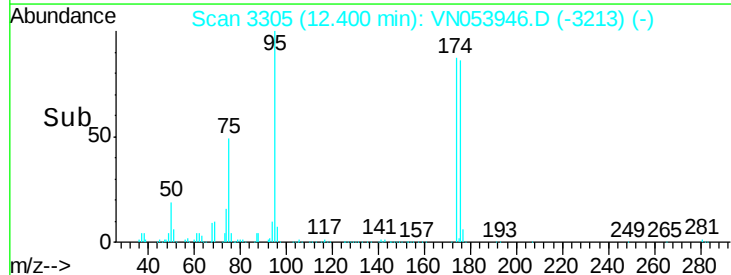
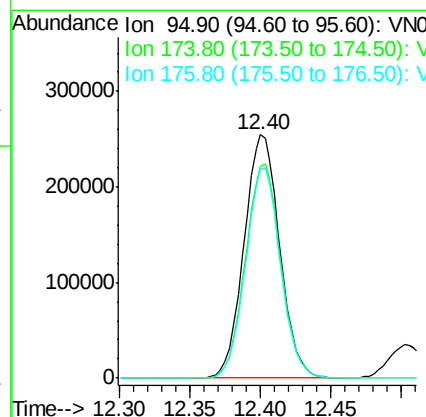
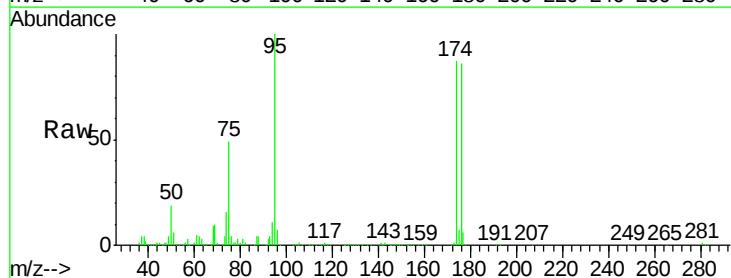
Manual Integrations
 APPROVED

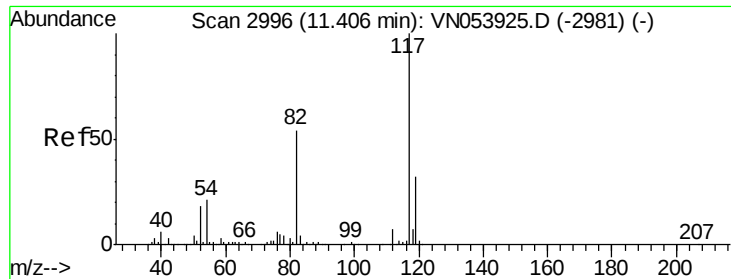
MMDadoda
 2/28/2019 10:49:40 AM



#62
 4-Bromofluorobenzene
 Concen: 51.615 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion: 95 Resp: 449052
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 188.8
 176 84.9 0.0 182.6





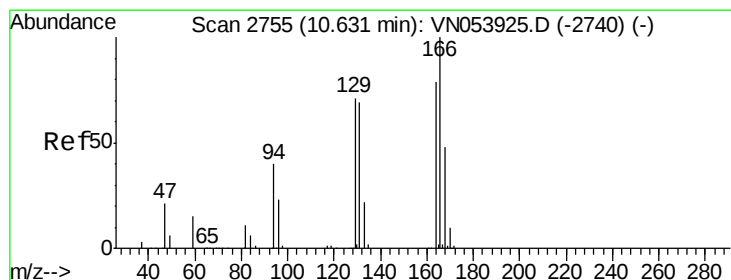
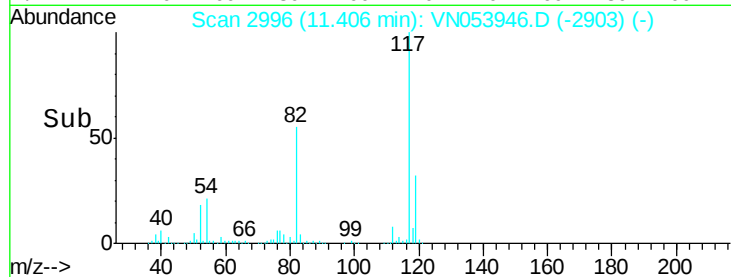
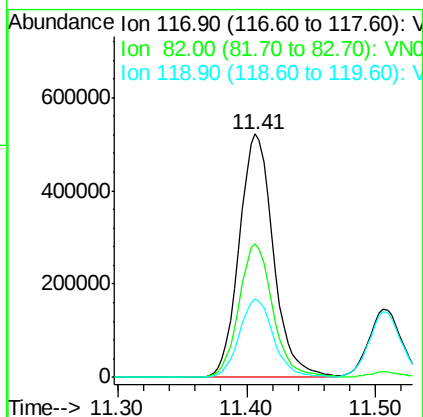
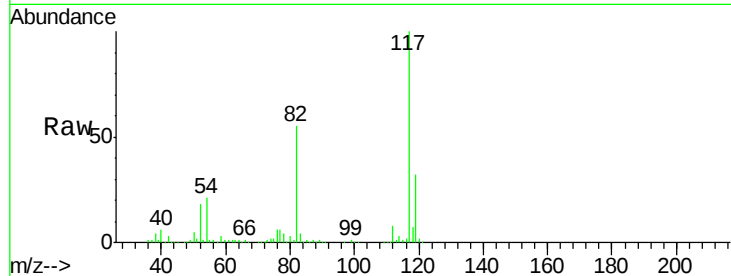
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	54.9	41.4	62.2
119	32.2	25.3	37.9

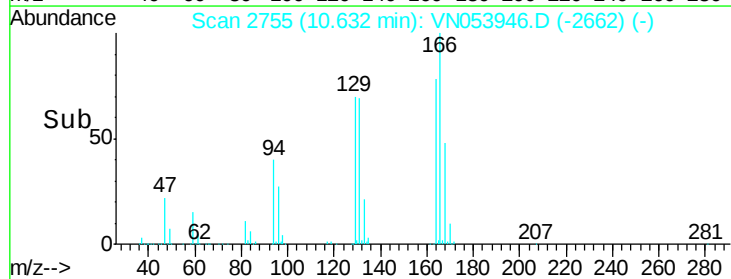
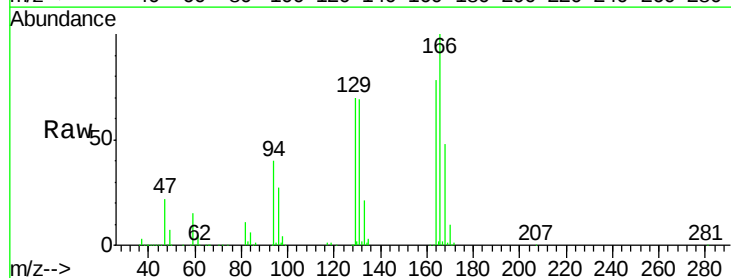
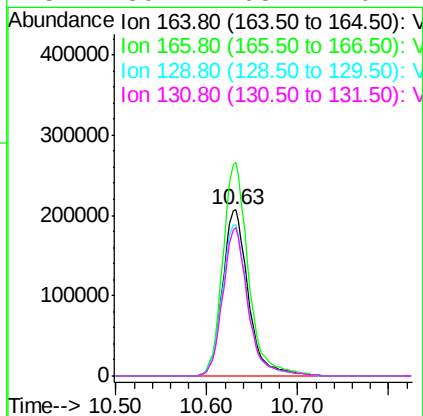
Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM



#64
Tetrachloroethene
Concen: 49.878 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	128.5	102.6	153.8
129	90.6	69.4	104.0
131	89.1	68.1	102.1





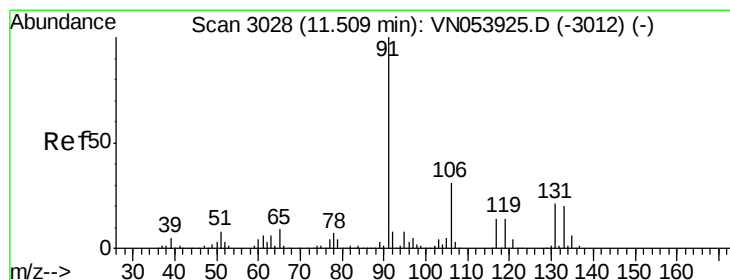
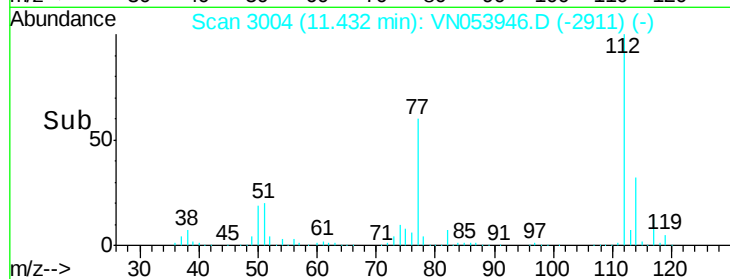
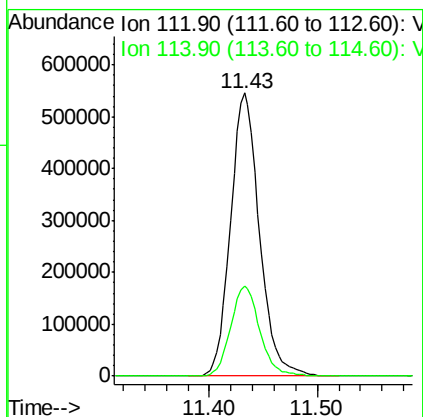
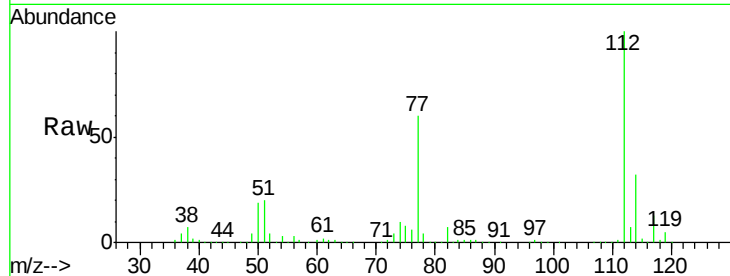
#65
Chlorobenzene
Concen: 50.063 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 1017715
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5

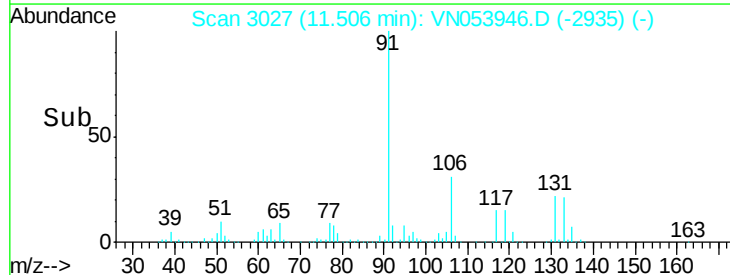
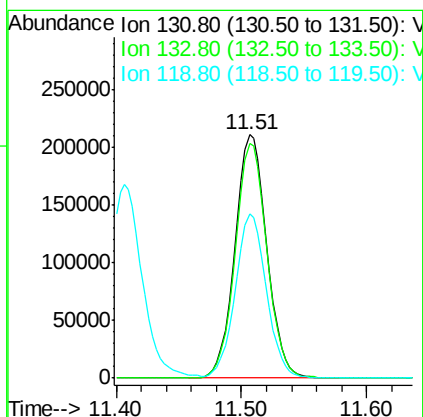
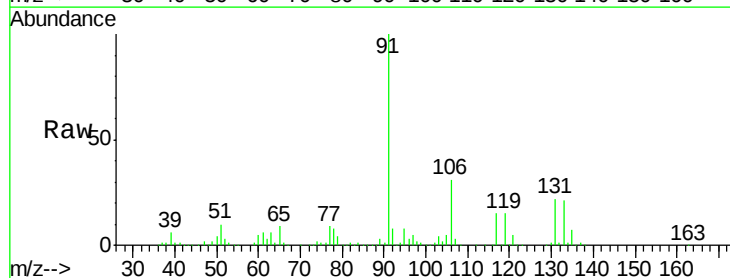
Manual Integrations
APPROVED

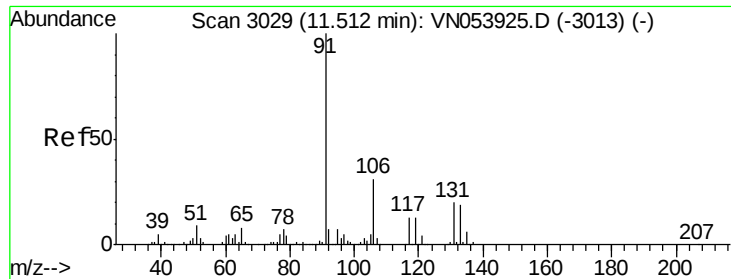
MMDadoda
2/28/2019 10:49:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.608 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion:131 Resp: 370781
Ion Ratio Lower Upper
131 100
133 96.0 47.7 143.1
119 66.3 33.1 99.3





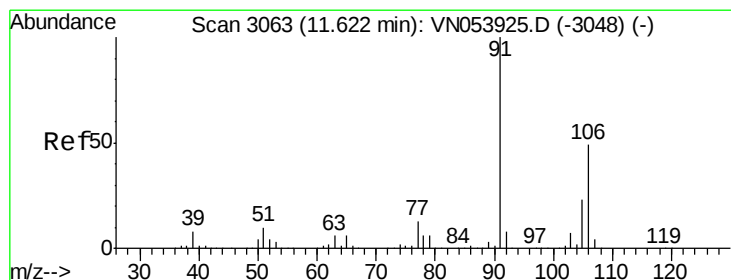
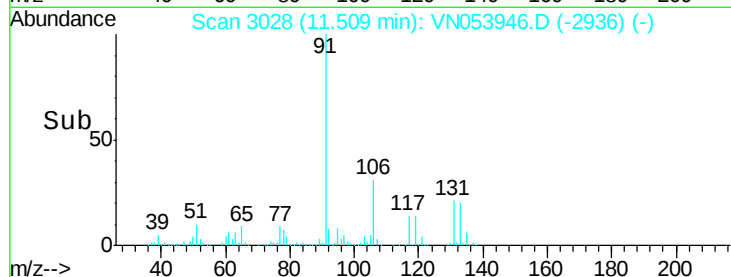
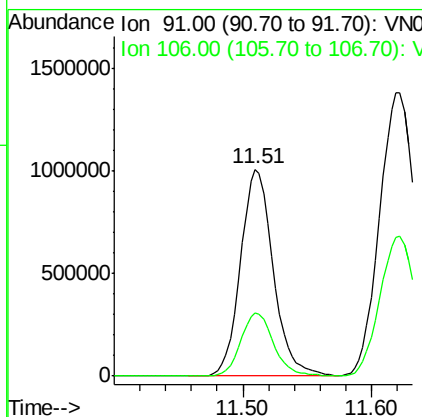
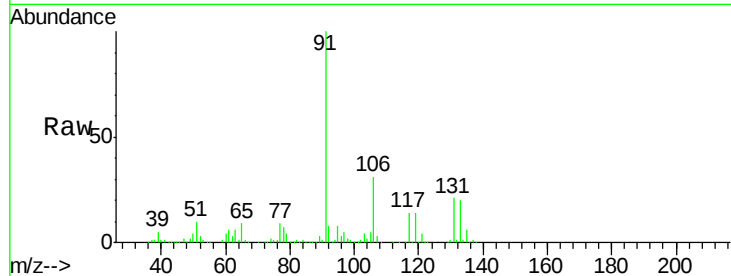
#67
Ethyl Benzene
Concen: 52.353 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1784143
Ion Ratio Lower Upper
91 100
106 30.8 25.2 37.8

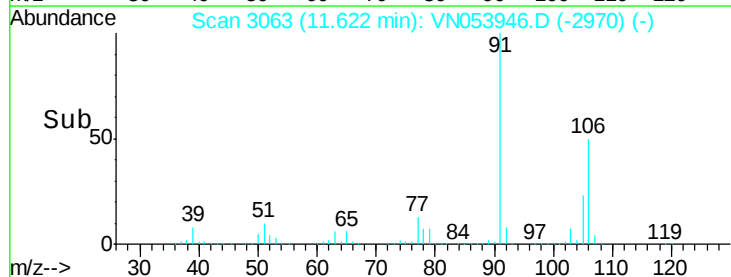
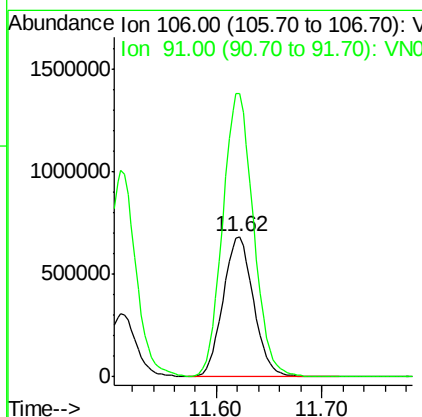
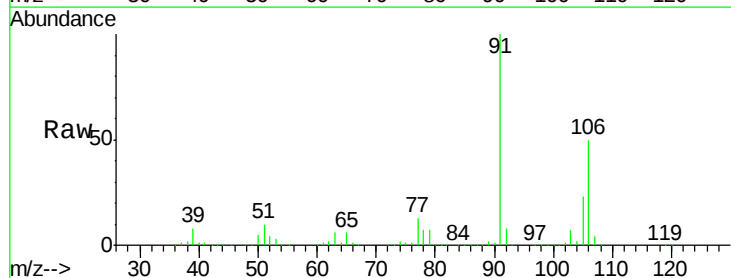
Manual Integrations
APPROVED

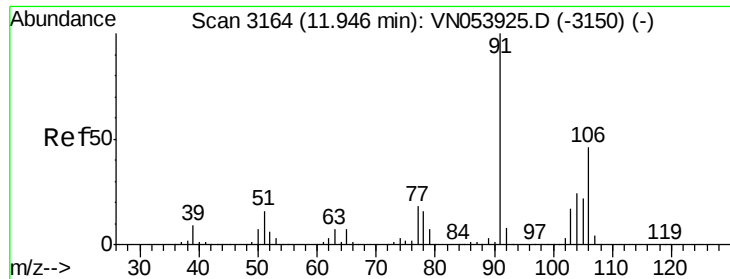
MMDadoda
2/28/2019 10:49:40 AM



#68
m/p-Xylenes
Concen: 106.778 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 106 Resp: 1373414
Ion Ratio Lower Upper
106 100
91 202.8 158.9 238.3





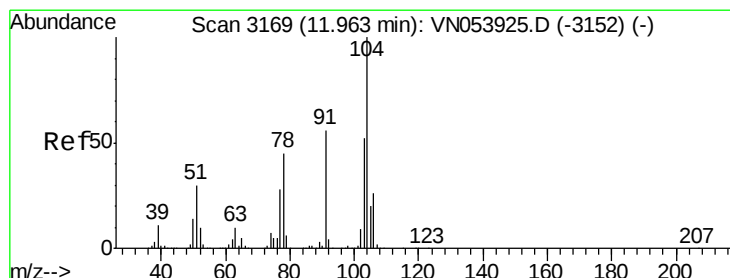
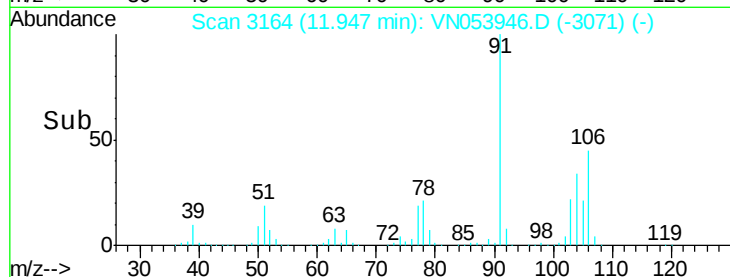
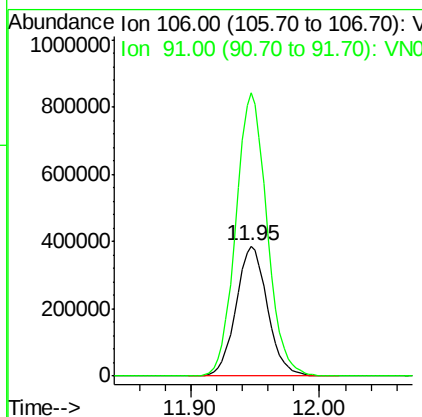
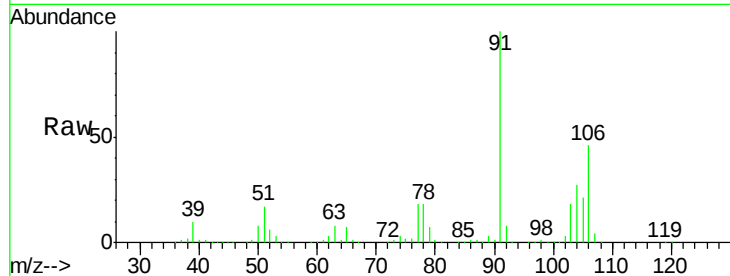
#69
o-Xylene
Concen: 51.509 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 650980
Ion Ratio Lower Upper
106 100
91 217.0 106.0 318.0

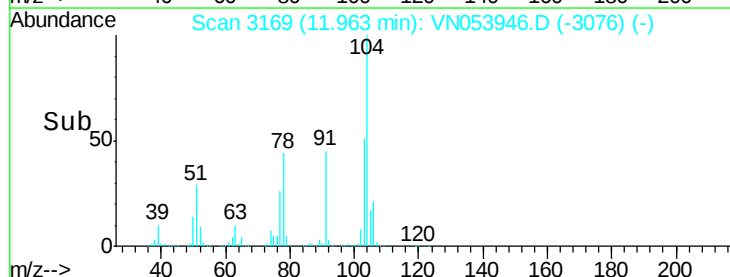
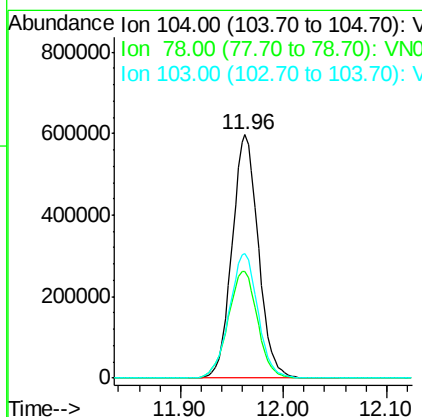
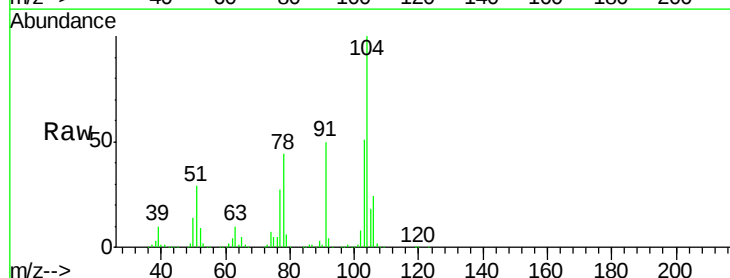
Manual Integrations
APPROVED

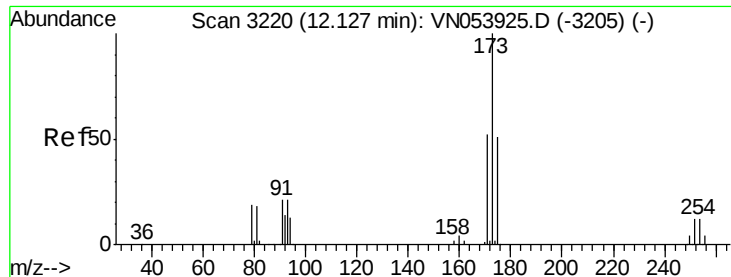
MMDadoda
2/28/2019 10:49:40 AM



#70
Styrene
Concen: 54.617 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion:104 Resp: 1061703
Ion Ratio Lower Upper
104 100
78 49.0 38.1 57.1
103 55.6 44.6 67.0





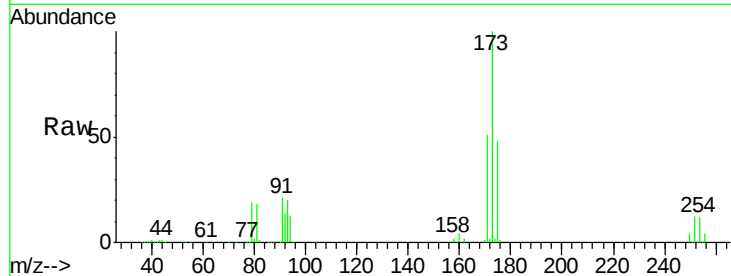
#71
Bromoform
Concen: 50.647 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

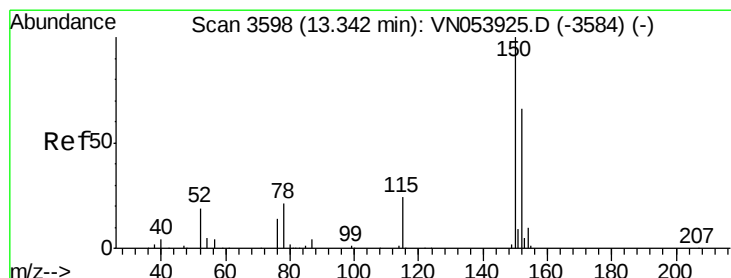
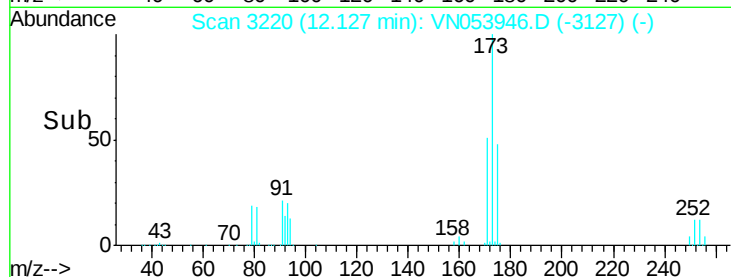
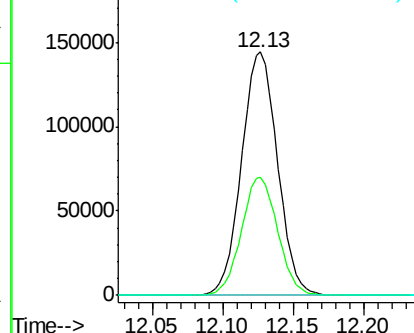
Tgt Ion	Ratio	Resp	Lower	Upper
173	100	258146		
175	48.9	24.3	72.8	
254	0.1	0.2	0.2	

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM

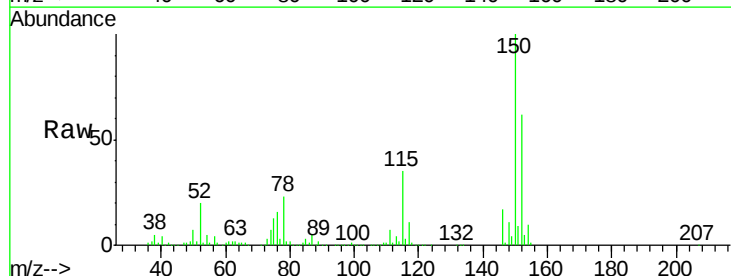


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

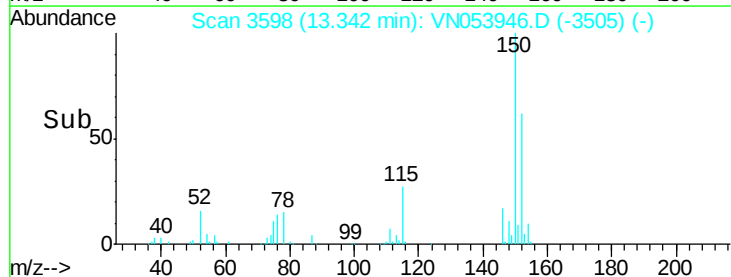
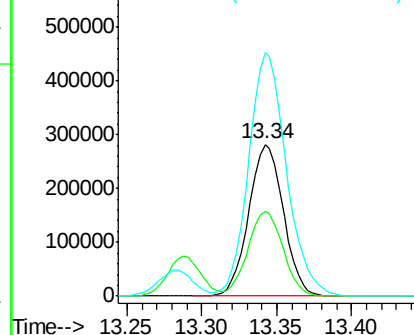


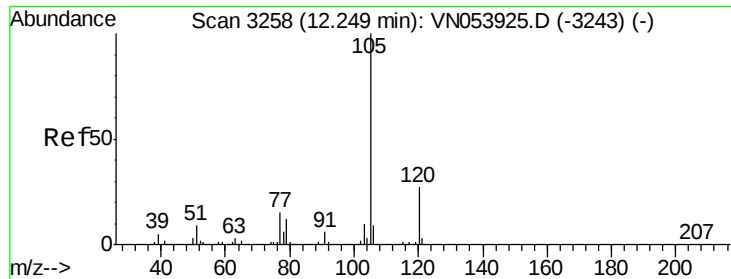
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	454304		
115	56.7	27.2	81.6	
150	175.2	0.0	348.2	



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.846 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 1727415

Ion Ratio Lower Upper

105 100

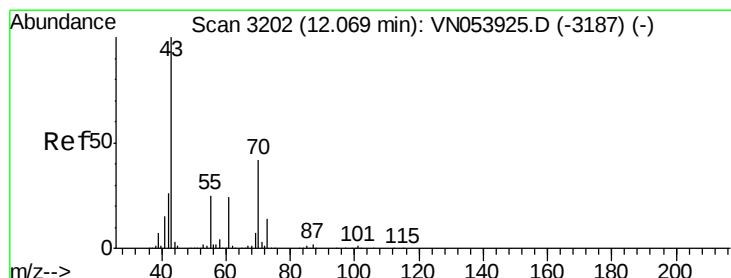
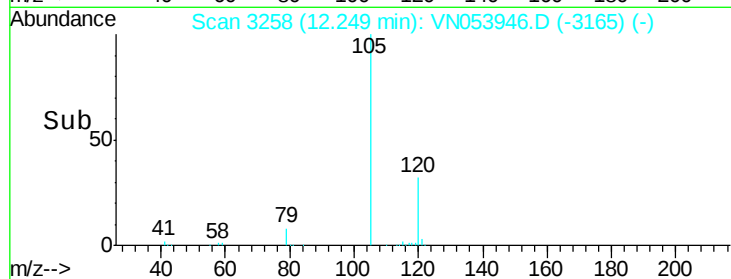
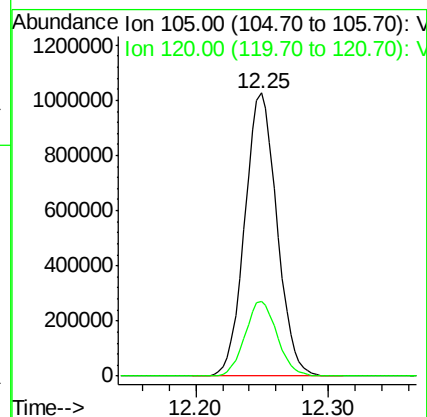
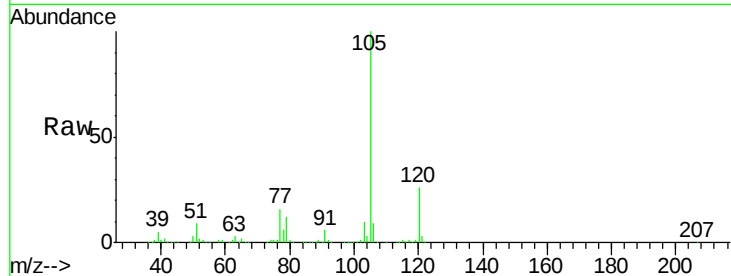
120 26.5 13.5 40.5

Manual Integrations

APPROVED

MMDadoda

2/28/2019 10:49:40 AM



#74

N-ethyl acetate

Concen: 51.091 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Tgt Ion: 43 Resp: 473559

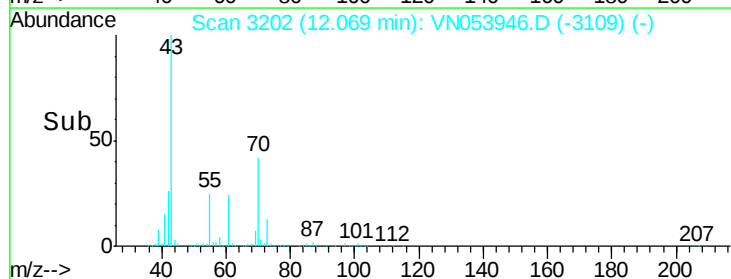
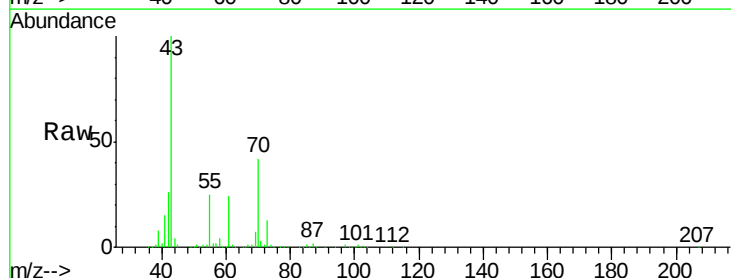
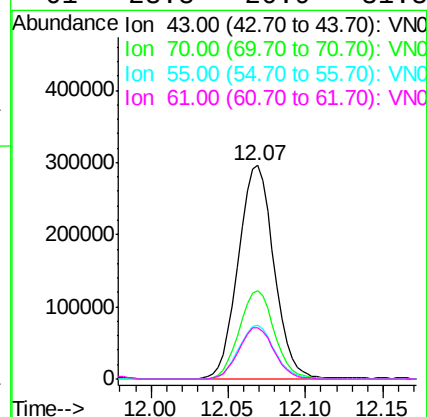
Ion Ratio Lower Upper

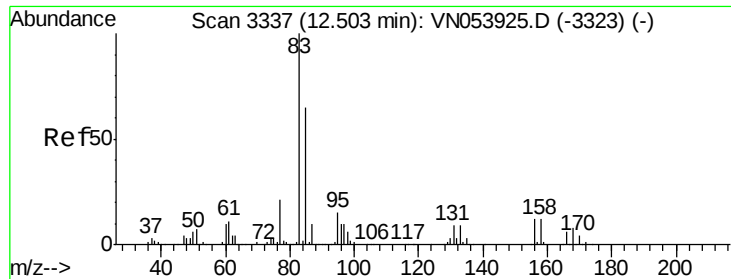
43 100

70 41.2 37.4 56.2

55 25.5 21.4 32.0

61 23.8 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 46.532 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 411502
Ion Ratio Lower Upper

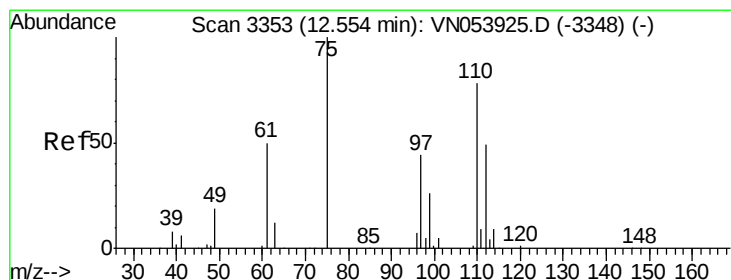
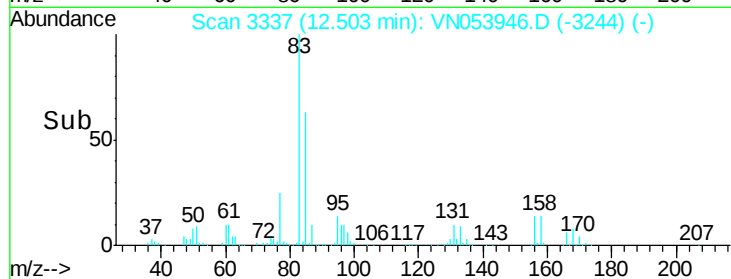
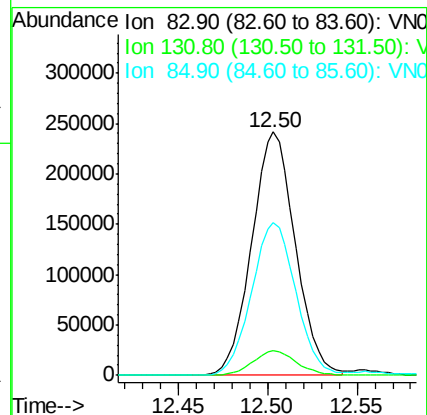
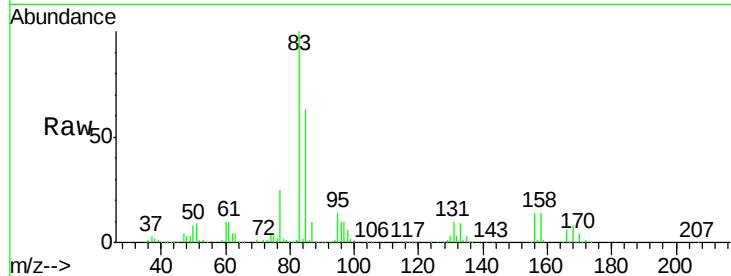
83 100

131 10.2 5.3 16.1

85 63.8 31.9 95.9

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM



#76

1,2,3-Trichloropropane

Concen: 41.446 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

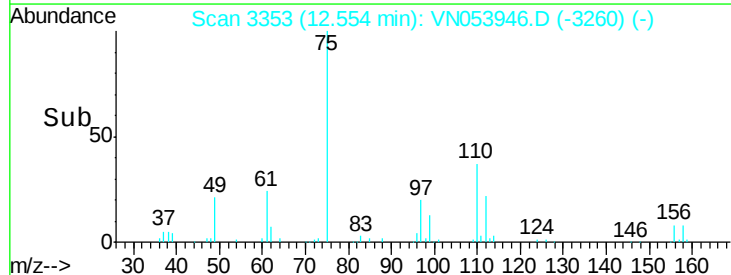
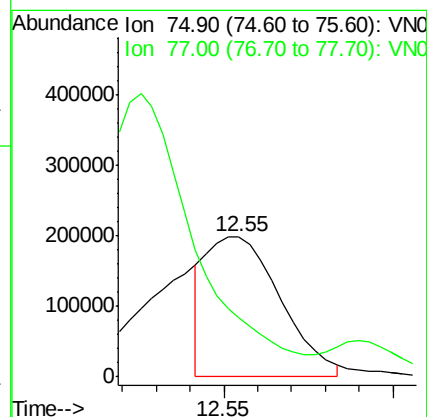
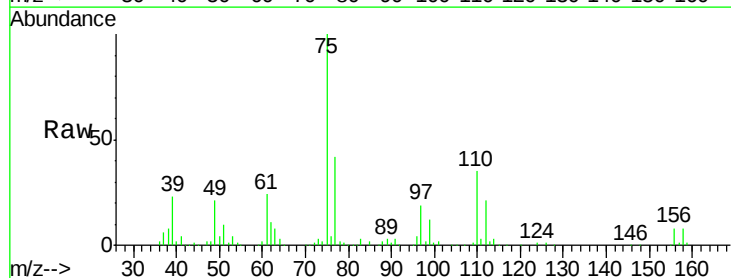
Lab File: VN053946.D

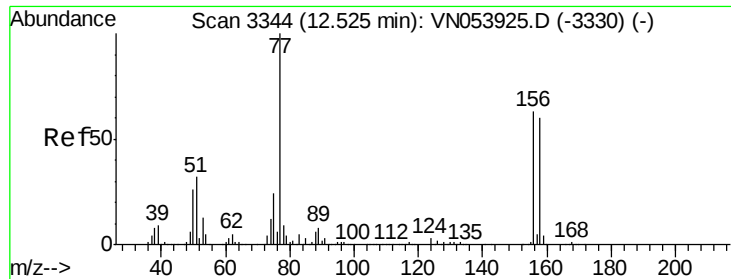
Acq: 26 Feb 2019 11:03

Tgt Ion: 75 Resp: 302054
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.818 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

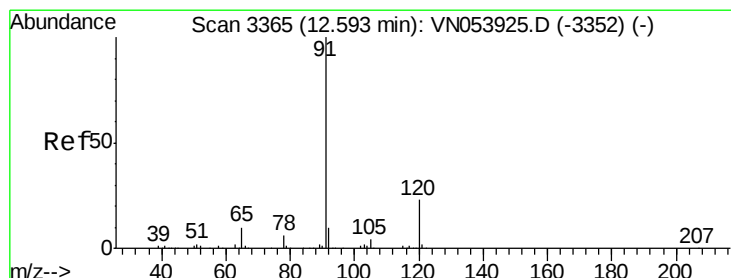
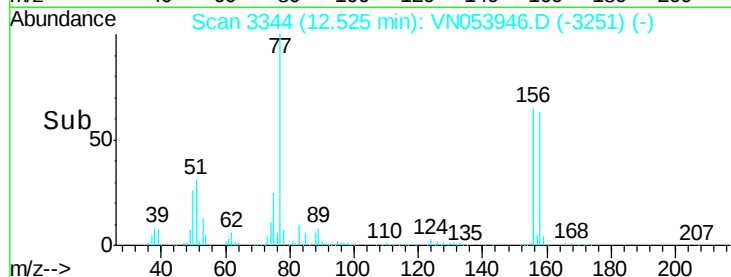
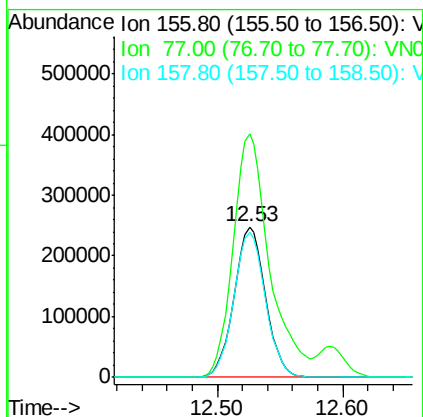
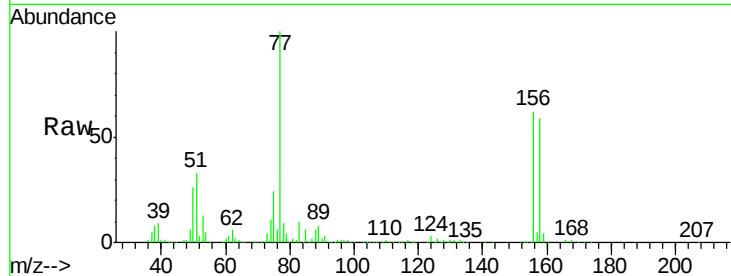
ClientSampled :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	188.0	84.0	252.2
158	97.6	48.5	145.6

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM



#78

n-propylbenzene

Concen: 51.625 ug/l

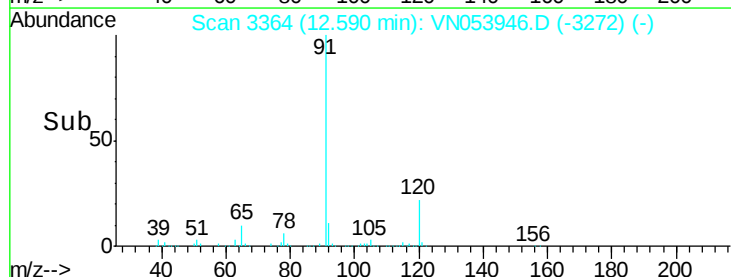
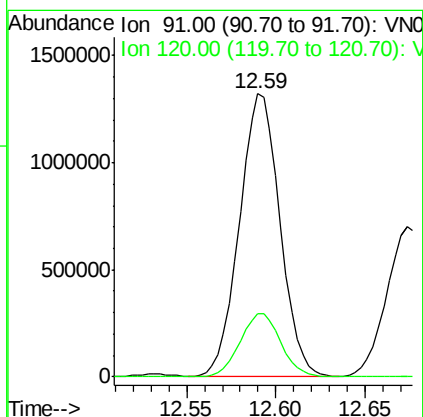
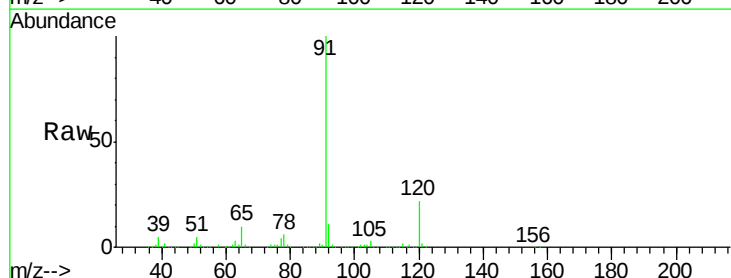
RT: 12.59 min Scan# 3364

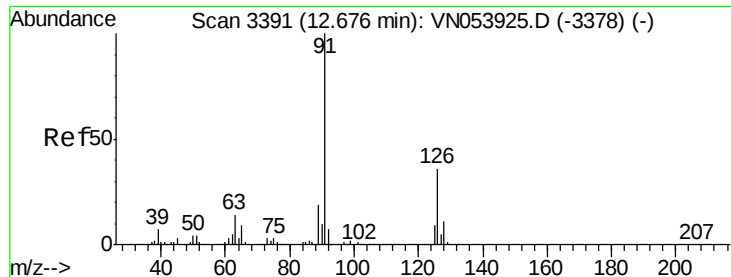
Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.9	35.9





#79

2-Chlorotoluene

Concen: 49.374 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 91 Resp: 1192884

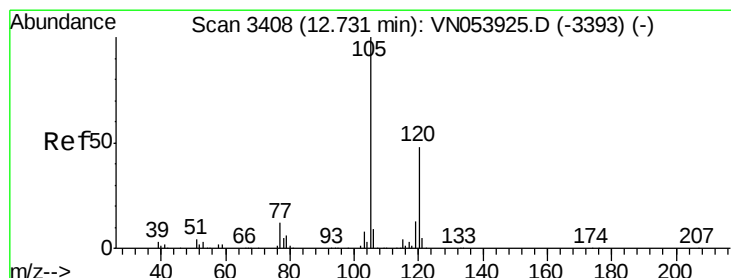
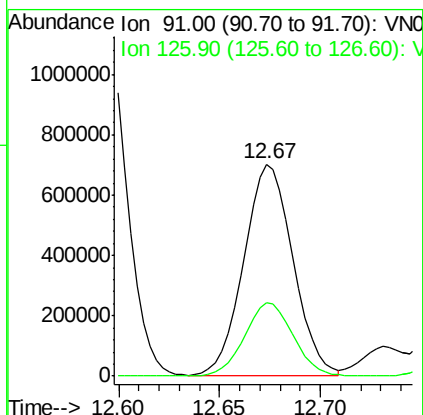
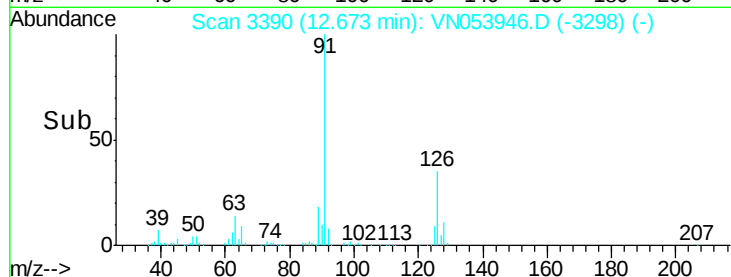
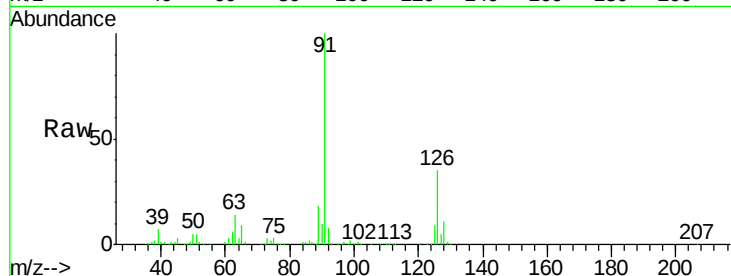
Ion Ratio Lower Upper

91 100

126 34.6 18.1 54.4

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM



#80

1,3,5-Trimethylbenzene

Concen: 51.259 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053946.D

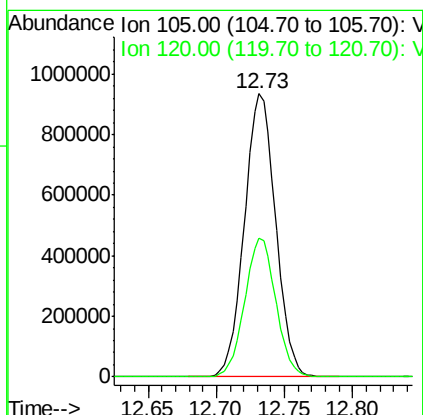
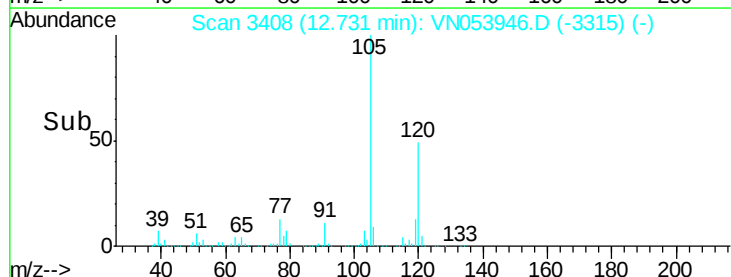
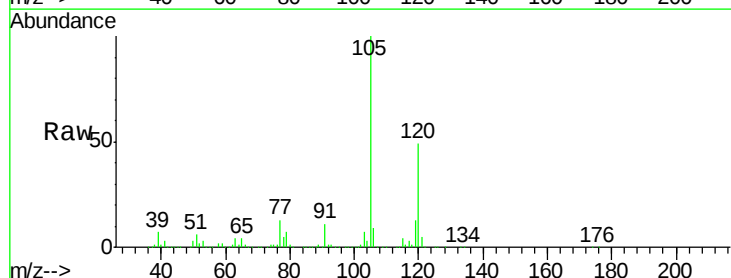
Acq: 26 Feb 2019 11:03

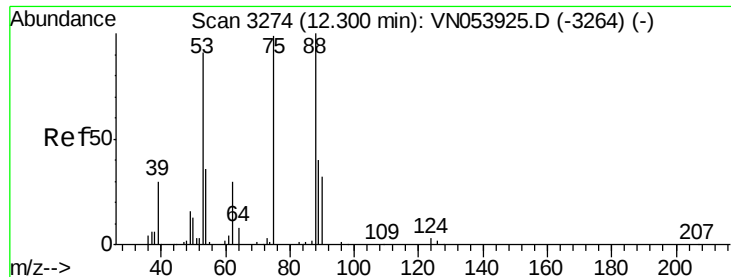
Tgt Ion: 105 Resp: 1484034

Ion Ratio Lower Upper

105 100

120 48.9 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.875 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

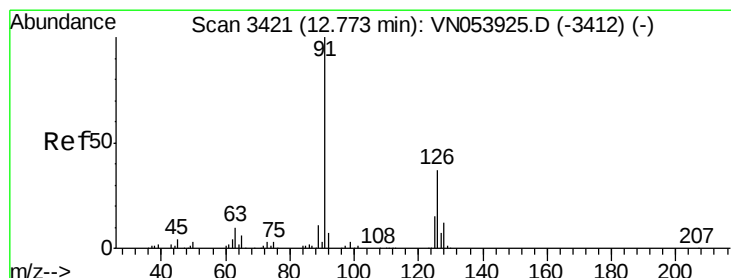
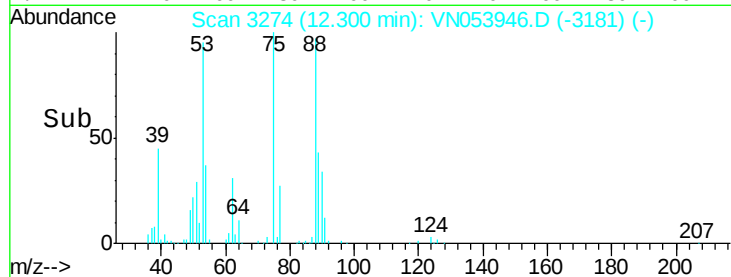
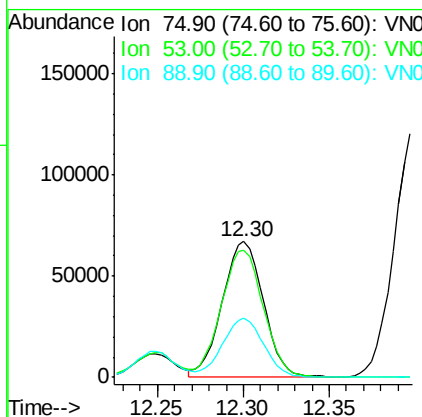
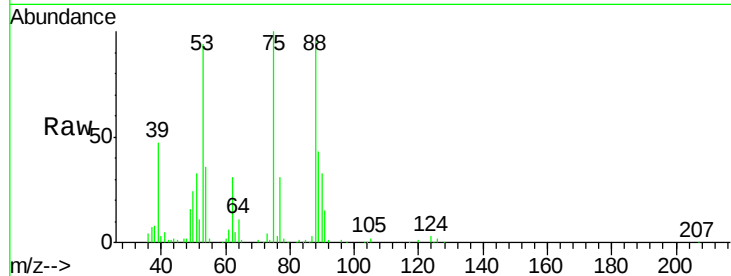
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	112697
Ion	Ratio	Lower	Upper
75	100		
53	96.5	68.6	102.8
89	43.5	35.3	52.9

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM



#82

4-Chlorotoluene

Concen: 50.824 ug/l

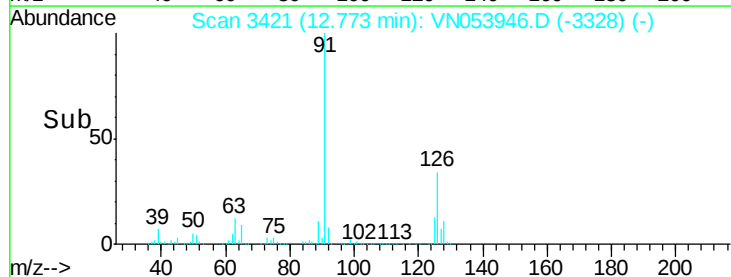
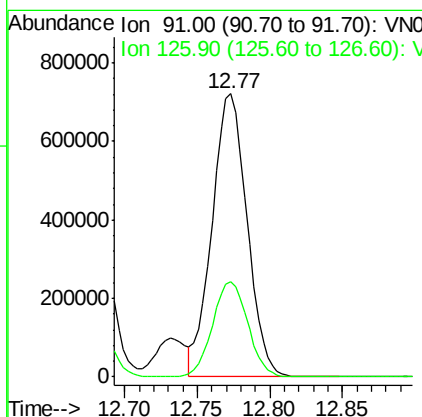
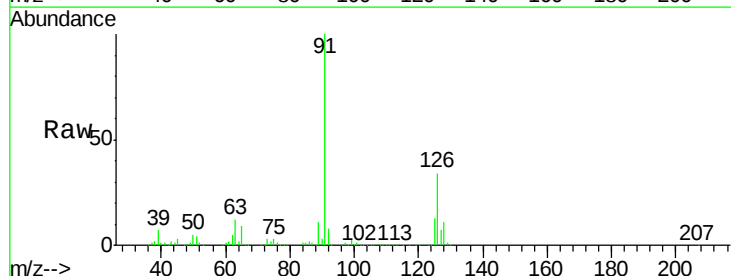
RT: 12.77 min Scan# 3421

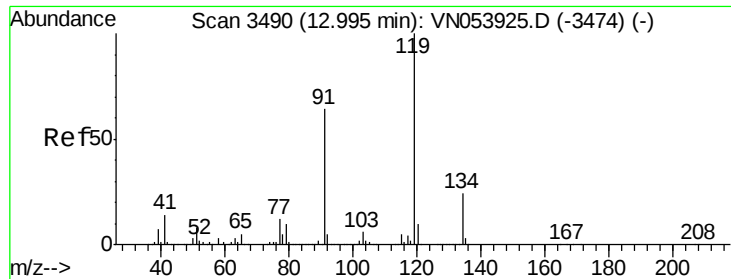
Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Tgt Ion:	91	Resp:	1213586
Ion	Ratio	Lower	Upper
91	100		
126	34.0	18.0	54.0





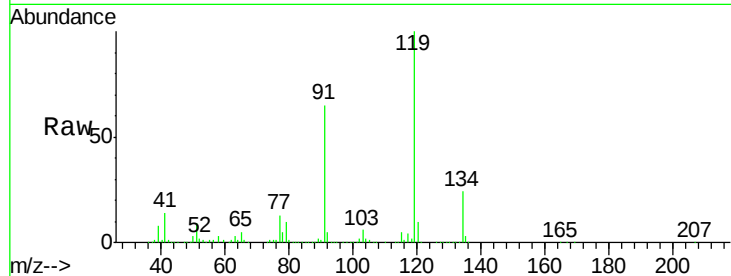
#83
 tert-Butylbenzene
 Concen: 48.794 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

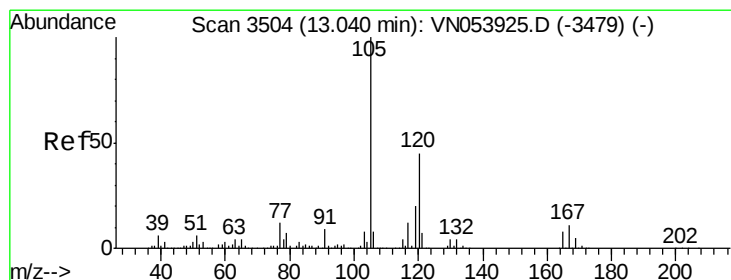
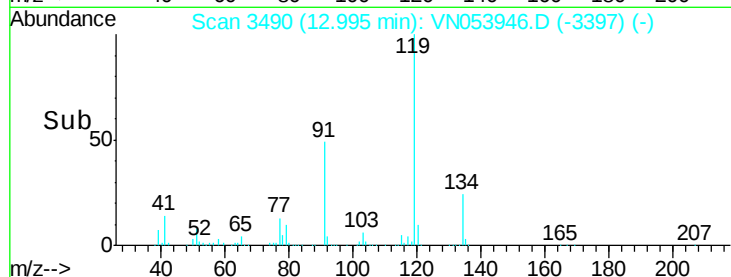
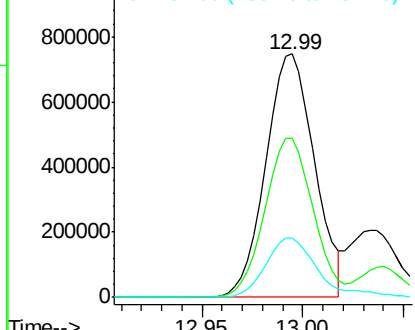
Tgt Ion:119 Resp: 1249434
 Ion Ratio Lower Upper
 119 100
 91 64.8 30.6 91.8
 134 26.1 13.0 39.0

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:49:40 AM

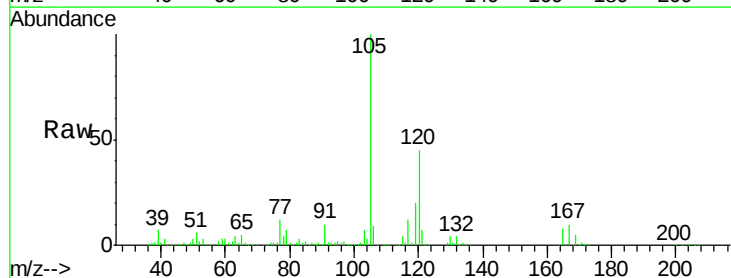


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

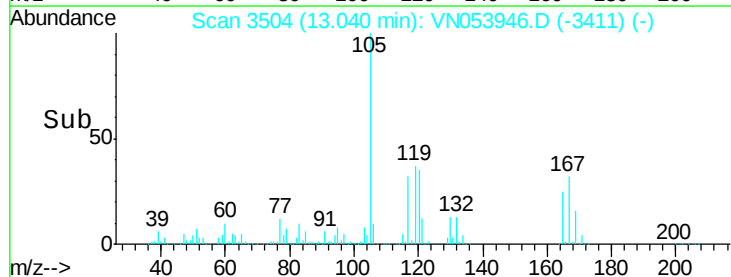
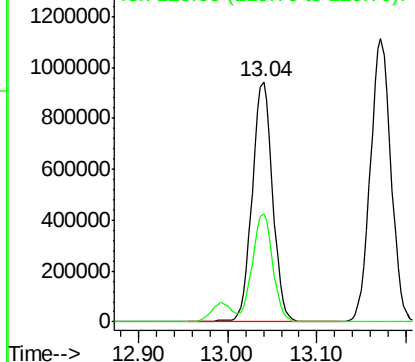


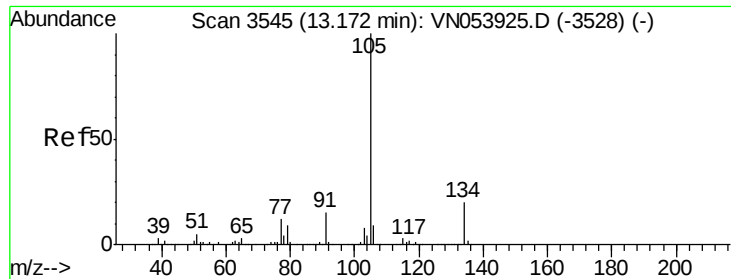
#84
 1,2,4-Trimethylbenzene
 Concen: 52.161 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion:105 Resp: 1507647
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





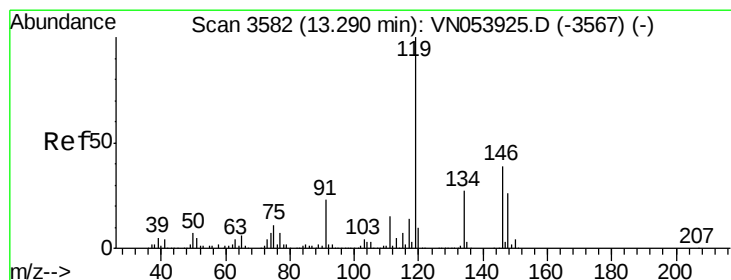
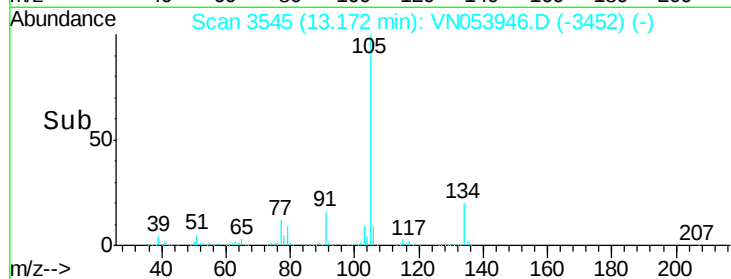
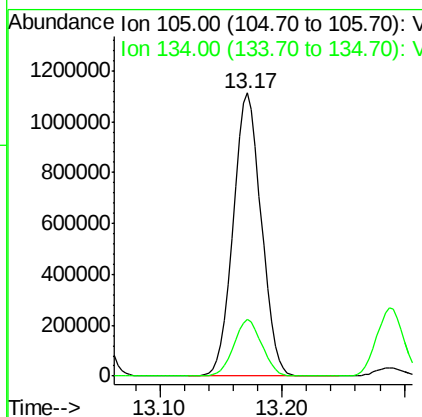
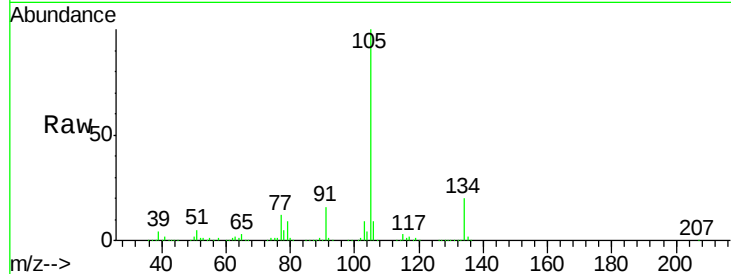
#85
 sec-Butylbenzene
 Concen: 50.694 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1772946
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.4 31.1

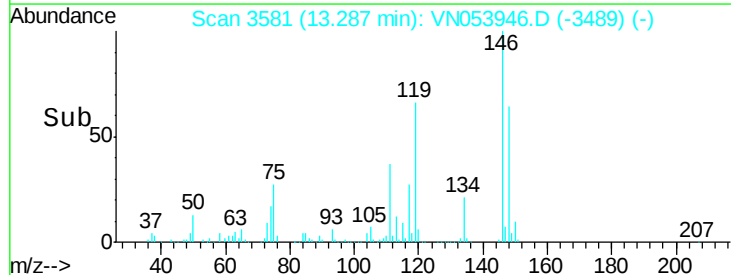
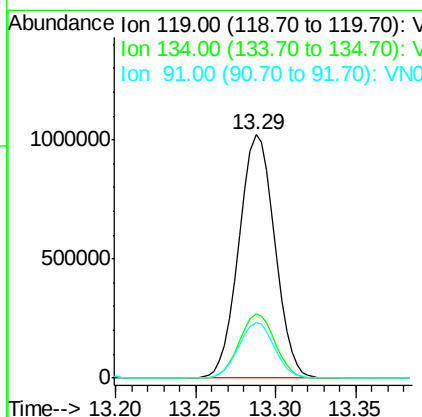
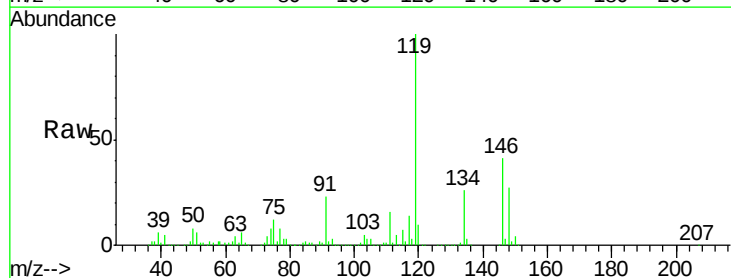
Manual Integrations
 APPROVED

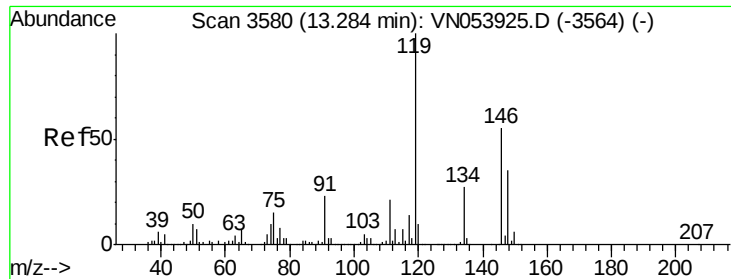
MMDadoda
 2/28/2019 10:49:40 AM



#86
 p-Isopropyltoluene
 Concen: 52.477 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion:119 Resp: 1551521
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.5 40.4
 91 22.7 10.9 32.6





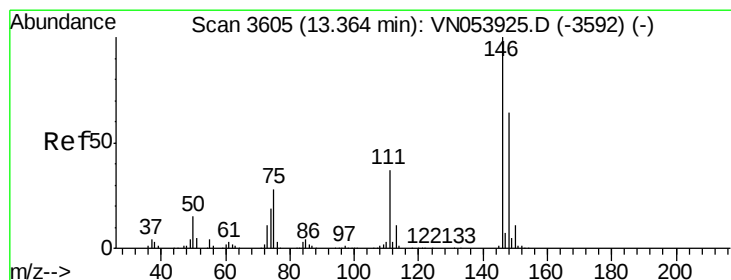
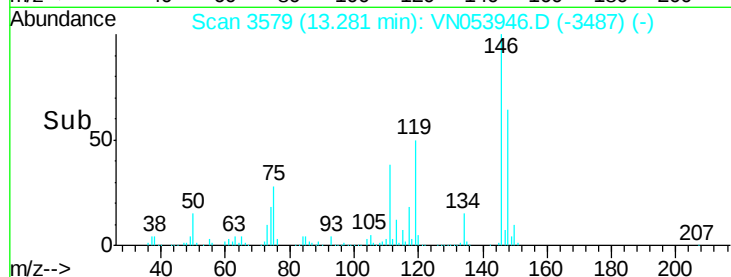
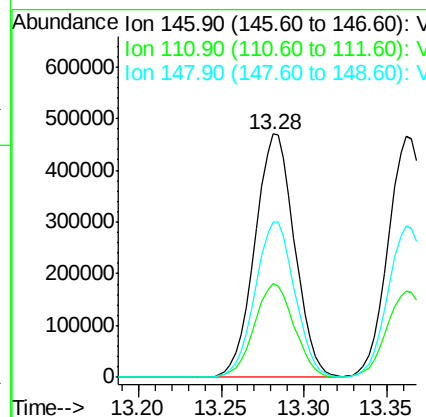
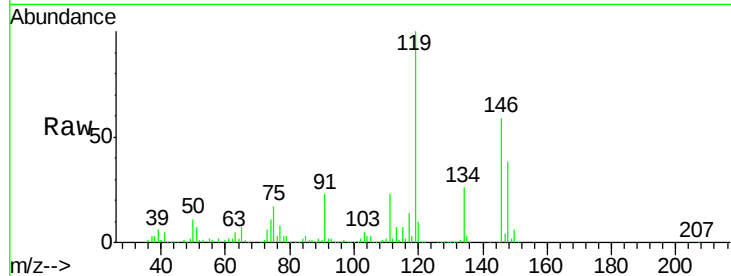
#87
 1,3-Dichlorobenzene
 Concen: 50.383 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.7	56.1
148	63.8	32.0	96.2

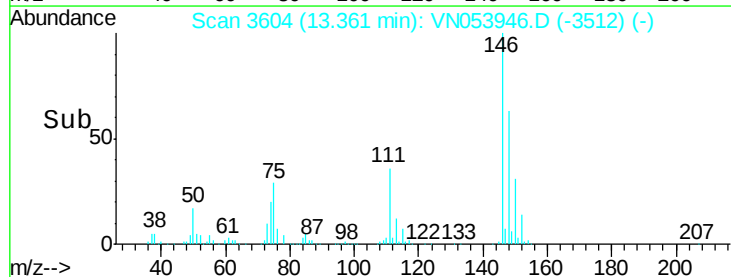
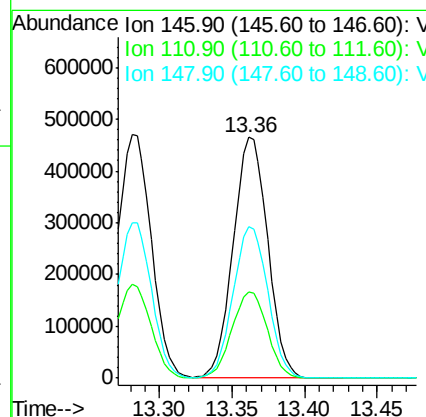
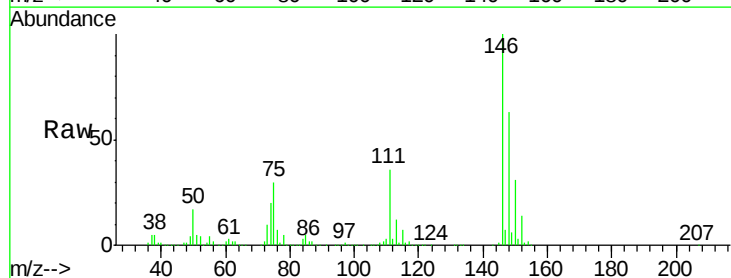
Manual Integrations
 APPROVED

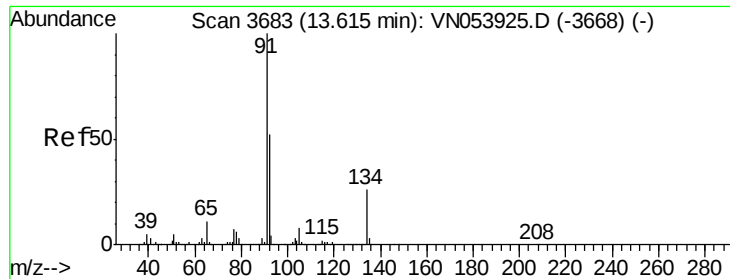
MMDadoda
 2/28/2019 10:49:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.031 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053946.D
 Acq: 26 Feb 2019 11:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.0	54.0
148	63.4	32.1	96.5





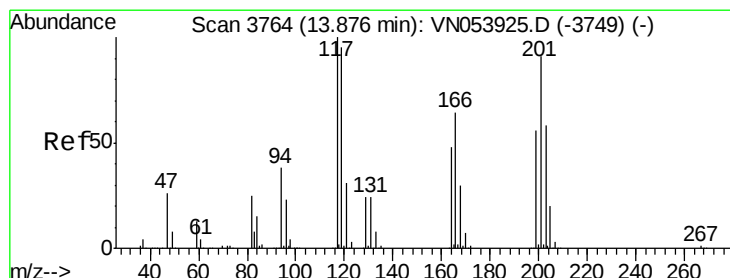
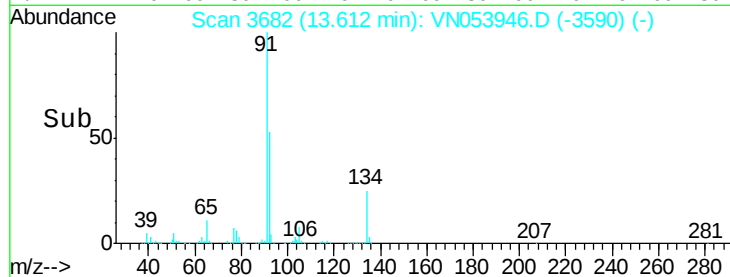
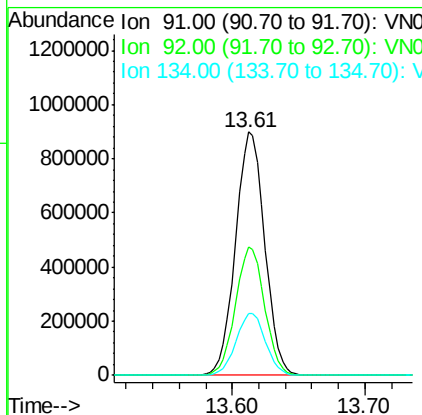
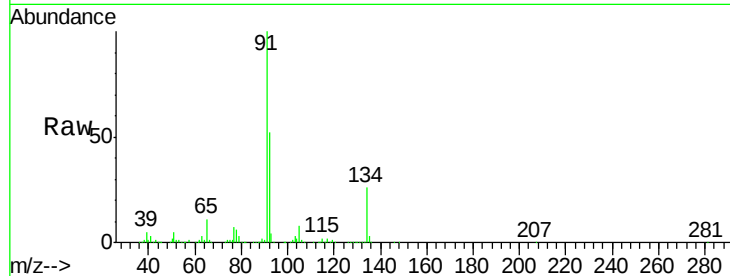
#89
n-Butylbenzene
Concen: 55.082 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1372470
Ion Ratio Lower Upper
91 100
92 52.4 26.1 78.2
134 25.7 13.6 40.8

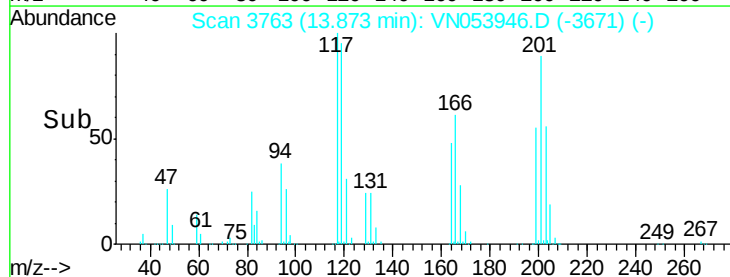
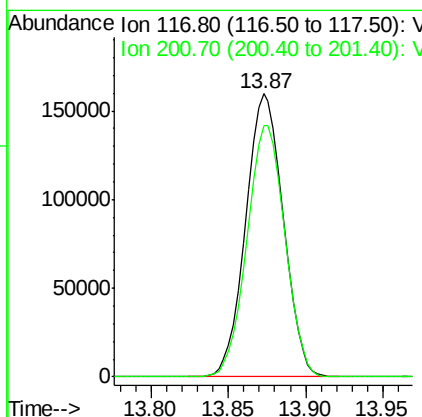
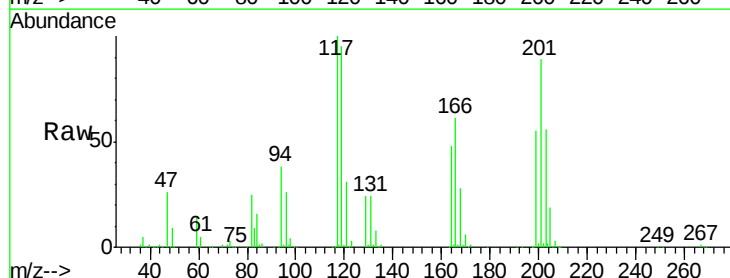
Manual Integrations
APPROVED

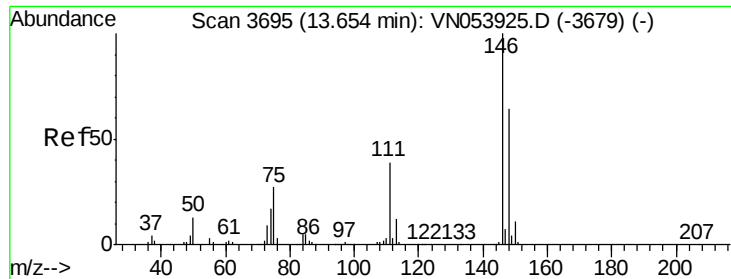
MMDadoda
2/28/2019 10:49:40 AM



#90
Hexachloroethane
Concen: 47.101 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053946.D
Acq: 26 Feb 2019 11:03

Tgt Ion: 117 Resp: 269853
Ion Ratio Lower Upper
117 100
201 89.7 48.0 144.2





#91

1,2-Dichlorobenzene

Concen: 49.798 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

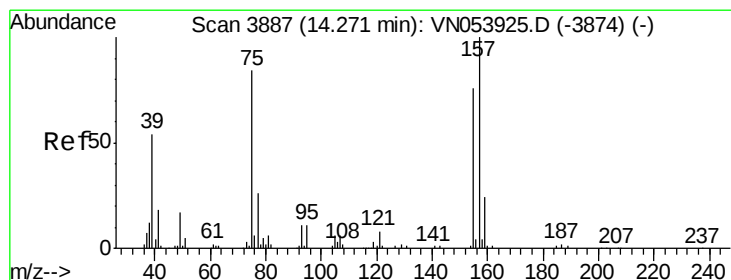
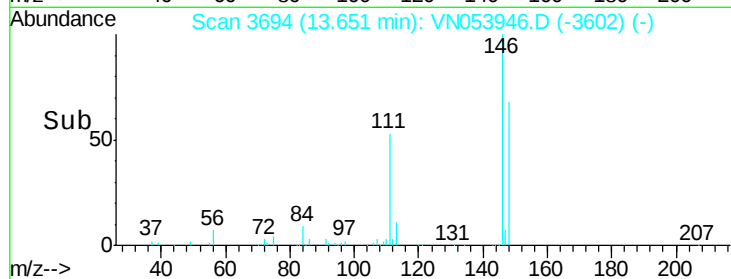
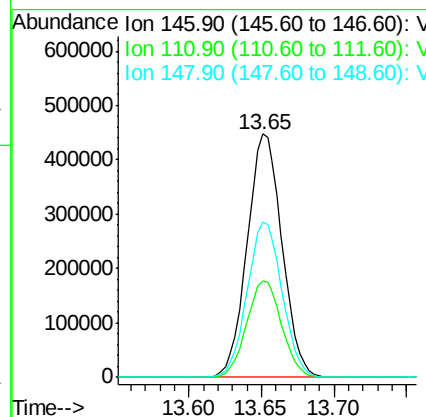
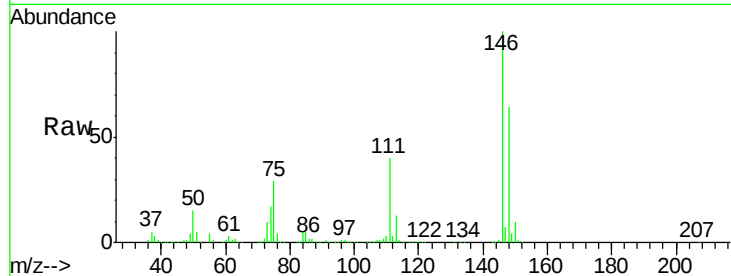
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	748737
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.1	57.5
148	64.1	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.011 ug/l

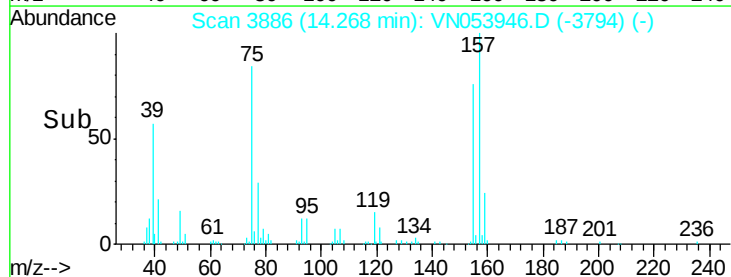
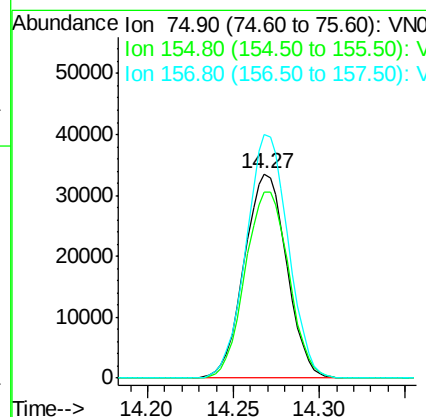
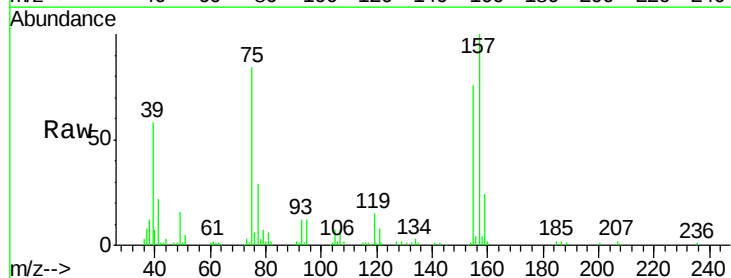
RT: 14.27 min Scan# 3886

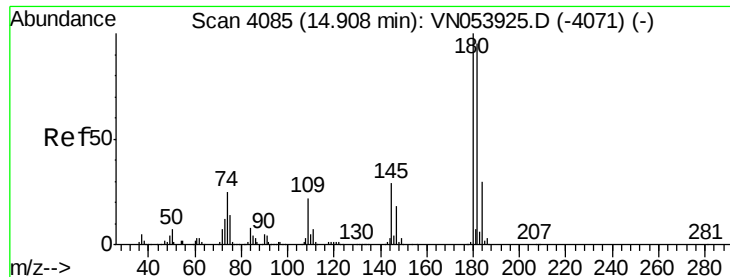
Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Tgt Ion:	75	Resp:	57502
Ion Ratio	Lower	Upper	
75	100		
155	93.6	49.5	148.5
157	118.1	64.8	194.6





#93

1,2,4-Trichlorobenzene

Concen: 49.157 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

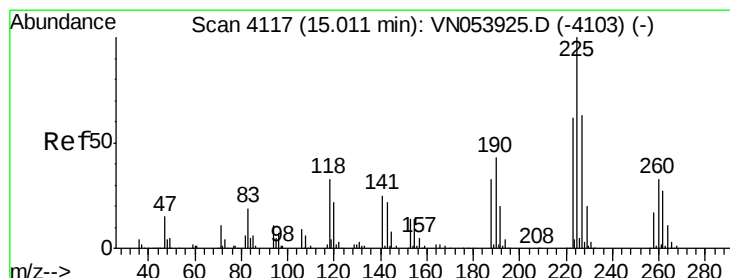
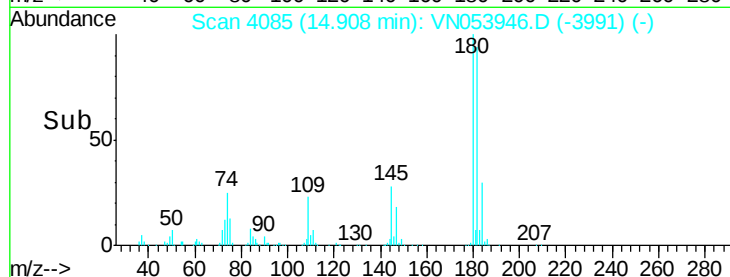
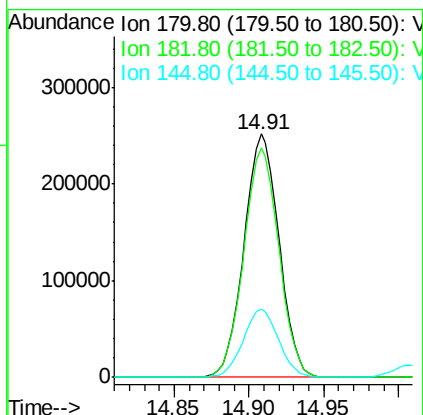
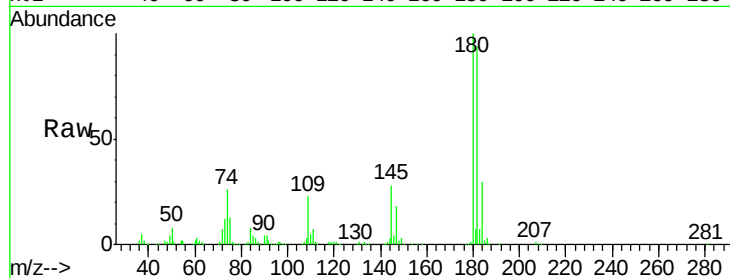
ClientSampleId :

VSTDCCC050

Tgt Ion:	180	Resp:	410152
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.6	145.9
145	28.3	13.8	41.3

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM



#94

Hexachlorobutadiene

Concen: 51.494 ug/l

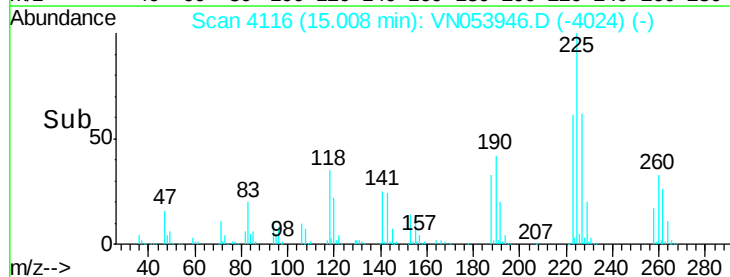
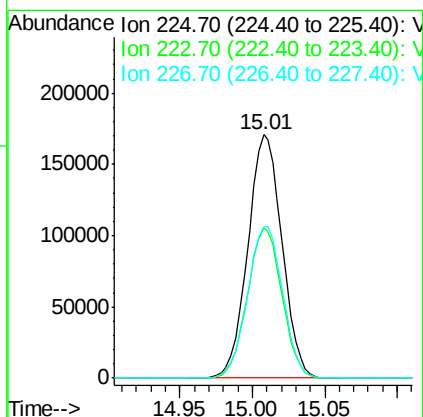
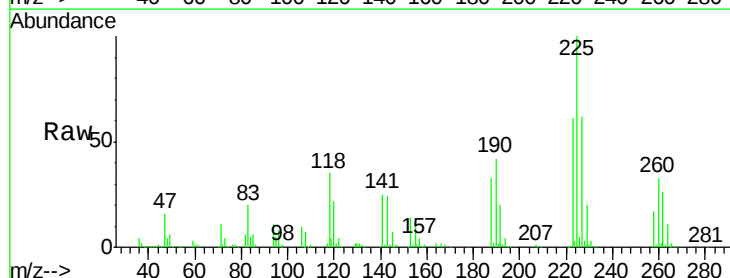
RT: 15.01 min Scan# 4116

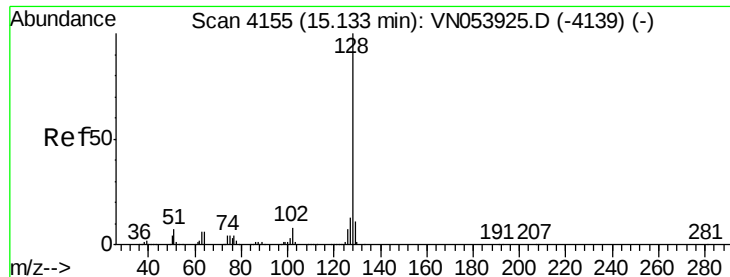
Delta R.T. -0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Tgt Ion:	225	Resp:	279676
Ion Ratio	Lower	Upper	
225	100		
223	62.3	30.9	92.5
227	64.1	32.5	97.4





#95

Naphthalene

Concen: 44.762 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Instrument :

MSVOA_N

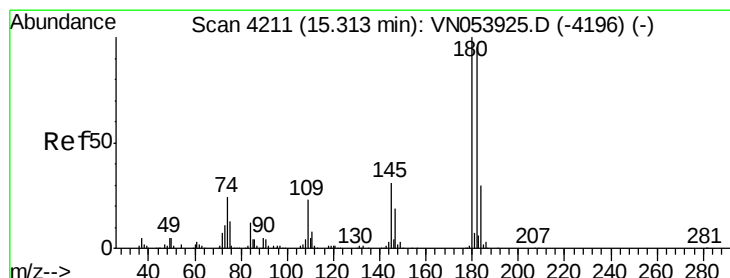
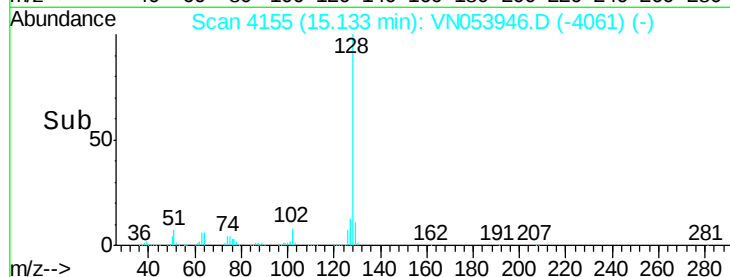
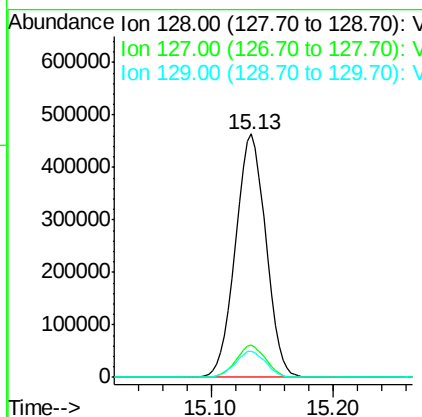
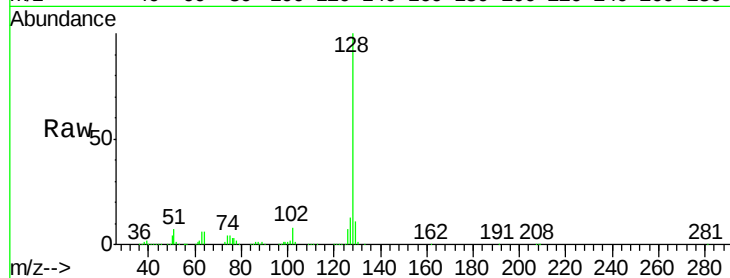
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	798715
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:49:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.132 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053946.D

Acq: 26 Feb 2019 11:03

Tgt Ion:	180	Resp:	385039
Ion Ratio	Lower	Upper	
180	100		
182	93.8	47.3	141.8
145	29.6	14.4	43.0

