

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090219\
 Data File : VN057633.D
 Acq On : 1 Sep 2019 10:26
 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
 9/3/2019 11:02:46 AM

Quant Time: Sep 02 02:02:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	192230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	320359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	136836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	208158	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
35) Dibromofluoromethane	7.58	113	136530	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.09	98	529071	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.40	95	201753	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	152633	49.654	ug/l	100
3) Chloromethane	2.05	50	170645	48.154	ug/l	97
4) Vinyl Chloride	2.18	62	141651	51.033	ug/l	99
5) Bromomethane	2.51	94	84385	48.049	ug/l	98
6) Chloroethane	2.65	64	77627	50.069	ug/l	99
7) Trichlorofluoromethane	2.99	101	200081	51.353	ug/l	99
8) Diethyl Ether	3.39	74	64148	49.756	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	99519	50.383	ug/l	99
10) Methyl Iodide	3.92	142	127561	50.018	ug/l	99
11) Tert butyl alcohol	4.82	59	98525	216.322	ug/l	100
12) 1,1-Dichloroethene	3.71	96	90485	50.535	ug/l	96
13) Acrolein	3.59	56	37246	205.675	ug/l	98
14) Allyl chloride	4.29	41	273299	48.926	ug/l	98
15) Acrylonitrile	4.97	53	316971	231.930	ug/l	99
16) Acetone	3.81	43	355223	291.887	ug/l	100
17) Carbon Disulfide	4.02	76	288182	49.784	ug/l	99
18) Methyl Acetate	4.31	43	180107	43.102	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	455141	49.132	ug/l	97
20) Methylene Chloride	4.52	84	149356	49.573	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	135263	50.813	ug/l	97
22) Diisopropyl ether	5.94	45	572725	49.876	ug/l	99
23) Vinyl Acetate	5.88	43	2246803	254.592	ug/l	98
24) 1,1-Dichloroethane	5.82	63	294319	51.060	ug/l	99
25) 2-Butanone	6.82	43	506564	249.800	ug/l	99
26) 2,2-Dichloropropane	6.80	77	240185	52.130	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	157538	49.559	ug/l	99
28) Bromochloromethane	7.18	49	148580	48.404	ug/l	99
29) Tetrahydrofuran	7.20	42	284308	223.470	ug/l	99
30) Chloroform	7.36	83	286160	48.935	ug/l	98
31) Cyclohexane	7.63	56	277851	48.297	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	246638	51.417	ug/l	99
36) 1,1-Dichloropropene	7.78	75	215286	50.688	ug/l	99
37) Ethyl Acetate	6.92	43	194033	47.959	ug/l	100
38) Carbon Tetrachloride	7.76	117	195302	51.369	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090219\
 Data File : VN057633.D
 Acq On : 1 Sep 2019 10:26
 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
 9/3/2019 11:02:46 AM

Quant Time: Sep 02 02:02:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	262079	52.227	ug/l	99
40) Benzene	8.02	78	618785	50.049	ug/l	100
41) Methacrylonitrile	7.16	41	94540	42.066	ug/l	98
42) 1,2-Dichloroethane	8.11	62	256523	51.083	ug/l	99
43) Isopropyl Acetate	8.16	43	344863	47.378	ug/l	100
44) Trichloroethene	8.82	130	142026	50.639	ug/l	97
45) 1,2-Dichloropropane	9.11	63	173020	50.241	ug/l	99
46) Dibromomethane	9.20	93	104833	49.165	ug/l	99
47) Bromodichloromethane	9.39	83	222691	51.405	ug/l	99
48) Methyl methacrylate	9.19	41	175909	47.334	ug/l	99
49) 1,4-Dioxane	9.20	88	40565	932.153	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	988992	237.060	ug/l	99
52) Toluene	10.15	92	373553	51.121	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	224013	46.525	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	252408	47.573	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	136670	49.296	ug/l	98
56) Ethyl methacrylate	10.43	69	223636	48.337	ug/l	99
57) 1,3-Dichloropropane	10.70	76	250727	49.292	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	316559	233.866	ug/l	100
59) 2-Hexanone	10.75	43	754285	246.203	ug/l	98
60) Dibromochloromethane	10.90	129	136637	45.314	ug/l	99
61) 1,2-Dibromoethane	11.00	107	138228	49.515	ug/l	99
64) Tetrachloroethene	10.63	164	130151	52.166	ug/l	98
65) Chlorobenzene	11.43	112	371477	51.450	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	129108	51.272	ug/l	98
67) Ethyl Benzene	11.51	91	746880	53.240	ug/l	99
68) m/p-Xylenes	11.62	106	512899	103.779	ug/l	97
69) o-Xylene	11.95	106	249377	52.066	ug/l	99
70) Styrene	11.96	104	421905	48.998	ug/l	99
71) Bromoform	12.13	173	83335	45.209	ug/l #	98
73) Isopropylbenzene	12.25	105	705145	51.040	ug/l	98
74) N-amyl acetate	12.07	43	306066	46.943	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	191096	46.931	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	170044m	47.242	ug/l	
77) Bromobenzene	12.53	156	154212	52.445	ug/l	97
78) n-propylbenzene	12.59	91	816330	53.088	ug/l	99
79) 2-Chlorotoluene	12.67	91	493415	51.460	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	604634	53.198	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49143	46.800	ug/l	99
82) 4-Chlorotoluene	12.77	91	493854	52.034	ug/l	100
83) tert-Butylbenzene	12.99	119	499603	51.806	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	580012	52.748	ug/l	100
85) sec-Butylbenzene	13.17	105	674085	51.966	ug/l	100
86) p-Isopropyltoluene	13.29	119	569557	53.092	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	253918	53.006	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	241864	52.269	ug/l	99
89) n-Butylbenzene	13.62	91	515725	51.300	ug/l	99
90) Hexachloroethane	13.88	117	96255	51.683	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	242176	52.978	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29915	47.713	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090219\
Data File : VN057633.D
Acq On : 1 Sep 2019 10:26
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
9/3/2019 11:02:46 AM

Quant Time: Sep 02 02:02:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 15:54:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	84925	43.997	ug/l	98
94) Hexachlorobutadiene	15.01	225	81977	52.259	ug/l	97
95) Naphthalene	15.13	128	235609	41.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	87732	45.099	ug/l	98

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

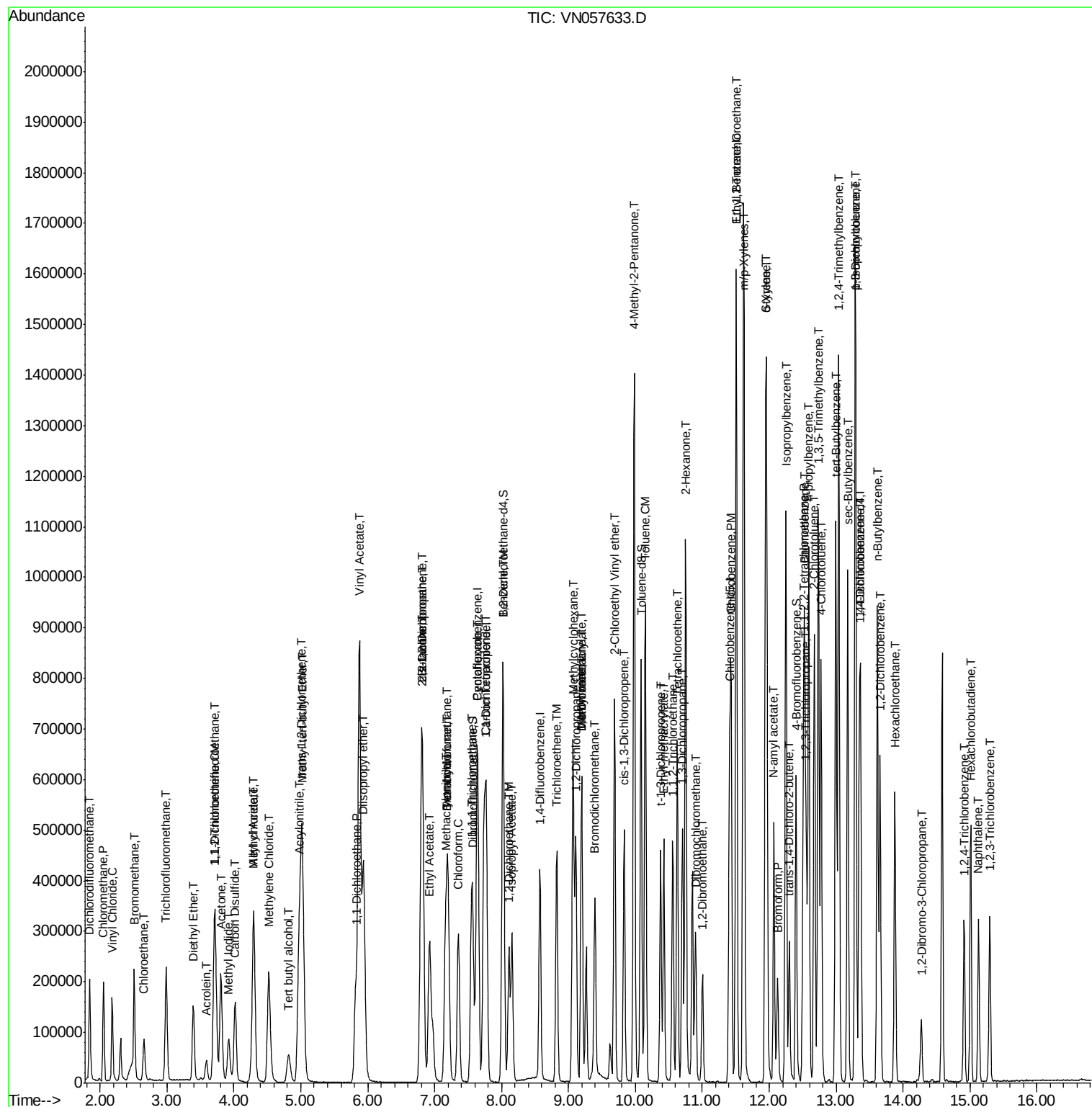
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090219\
 Data File : VN057633.D
 Acq On : 1 Sep 2019 10:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

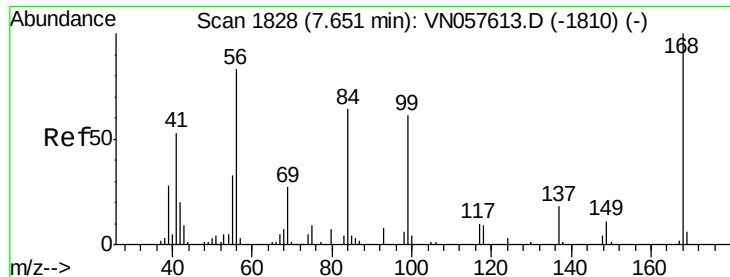
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:02:46 AM

Quant Time: Sep 02 02:02:04 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 192230

Ion Ratio Lower Upper

168 100

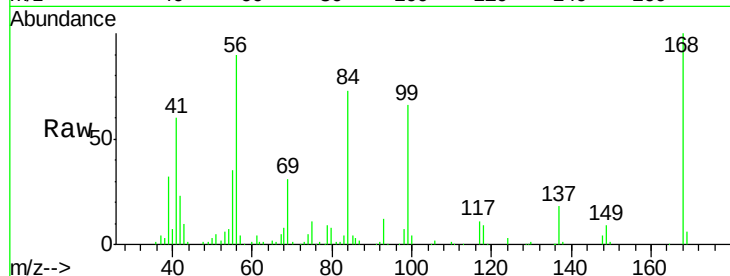
99 65.8 54.2 81.2

Manual Integrations

APPROVED

MMDadoda

9/3/2019 11:02:46 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

80000

60000

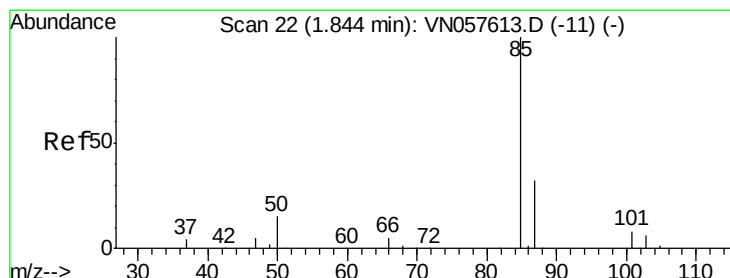
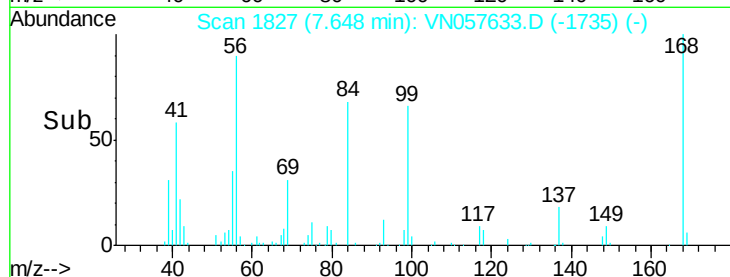
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.654 ug/l

RT: 1.84 min Scan# 22

Delta R.T. 0.00 min

Lab File: VN057633.D

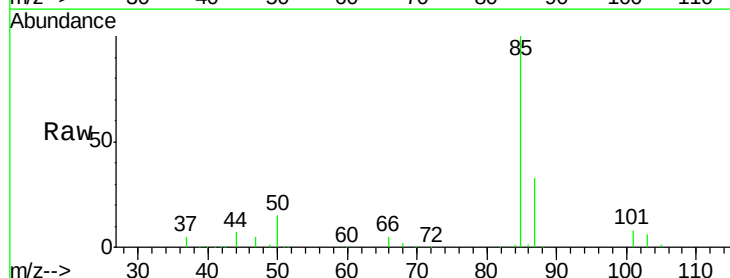
Acq: 1 Sep 2019 10:26

Tgt Ion: 85 Resp: 152633

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

120000

100000

80000

60000

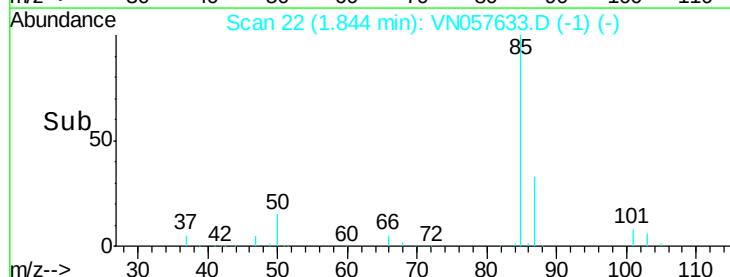
40000

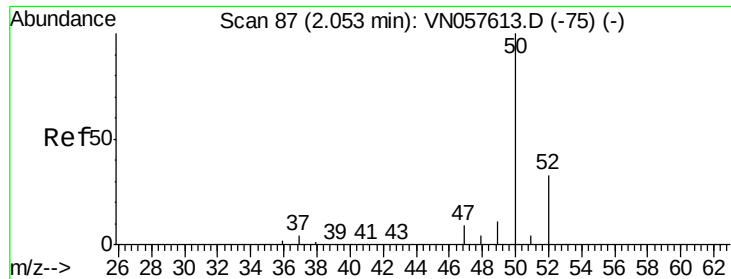
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.154 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 170645

Ion Ratio Lower Upper

50 100

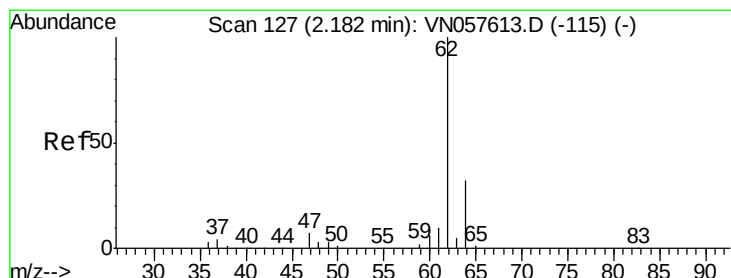
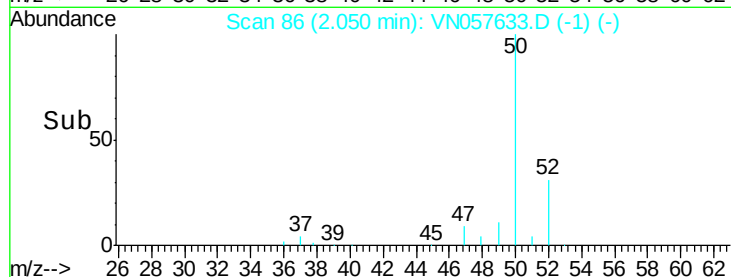
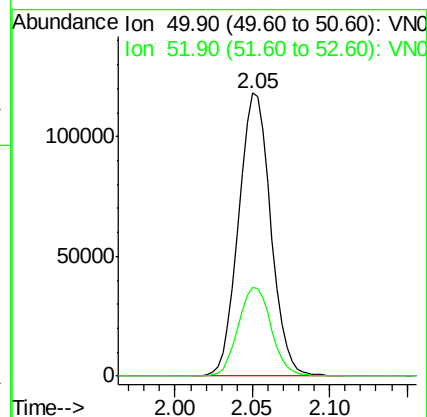
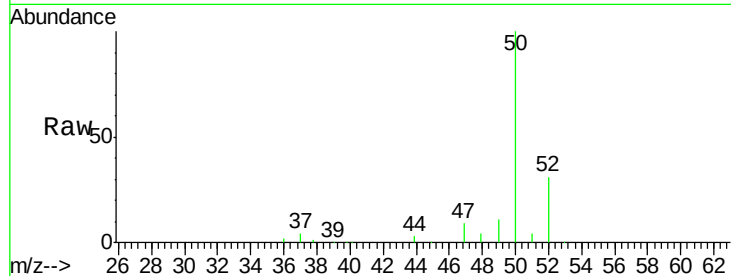
52 31.4 26.7 40.1

Manual Integrations

APPROVED

MMDadoda

9/3/2019 11:02:46 AM



#4

Vinyl Chloride

Concen: 51.033 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057633.D

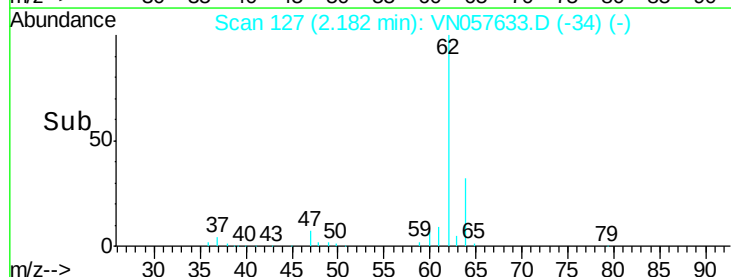
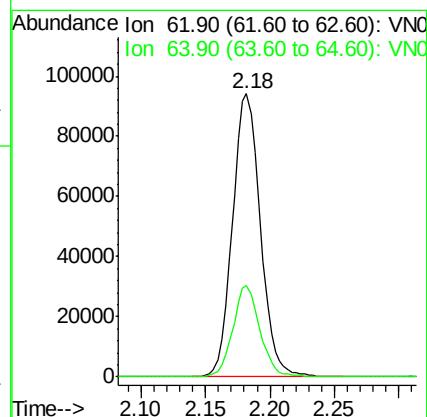
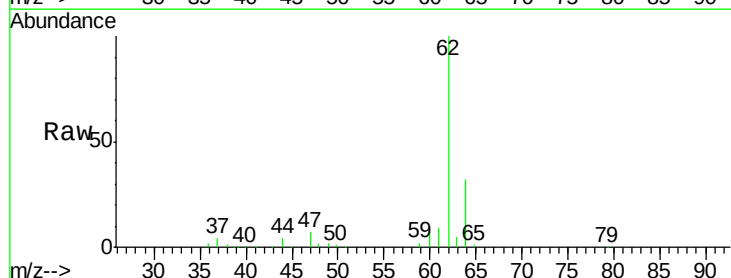
Acq: 1 Sep 2019 10:26

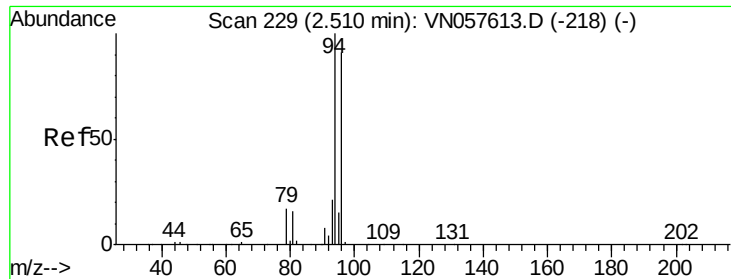
Tgt Ion: 62 Resp: 141651

Ion Ratio Lower Upper

62 100

64 32.1 25.2 37.8





#5

Bromomethane

Concen: 48.049 ug/l

RT: 2.51 min Scan# 229

Delta R.T. 0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 84385

Ion Ratio Lower Upper

94 100

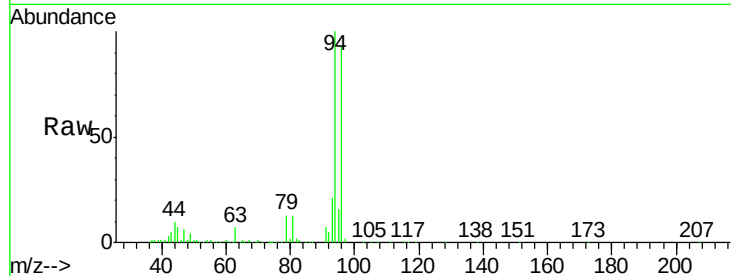
96 93.0 72.9 109.3

Manual Integrations

APPROVED

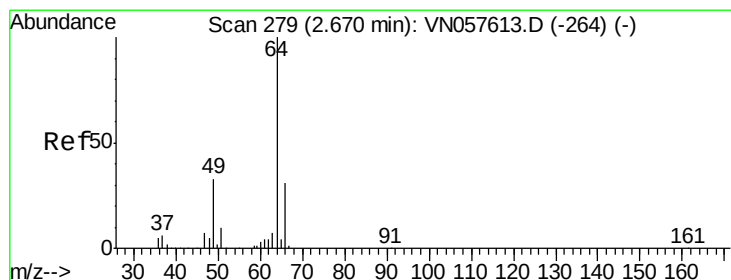
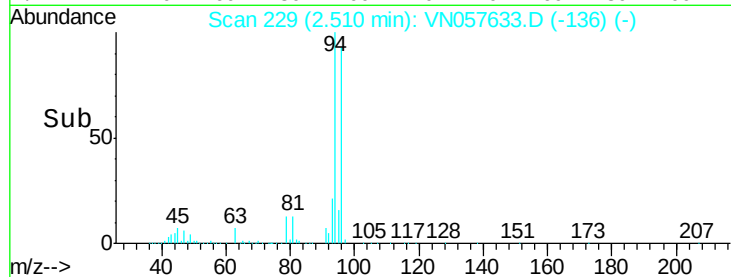
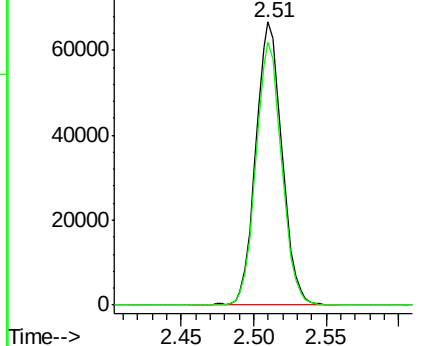
MMDadoda

9/3/2019 11:02:46 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 50.069 ug/l

RT: 2.65 min Scan# 274

Delta R.T. -0.02 min

Lab File: VN057633.D

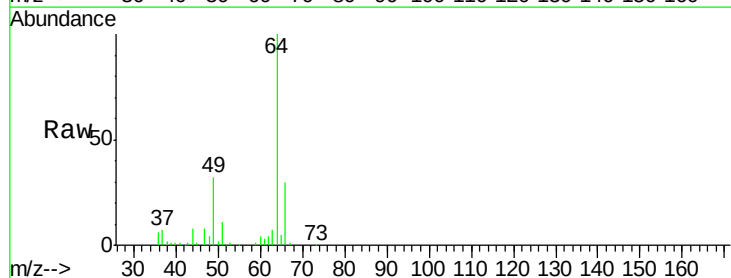
Acq: 1 Sep 2019 10:26

Tgt Ion: 64 Resp: 77627

Ion Ratio Lower Upper

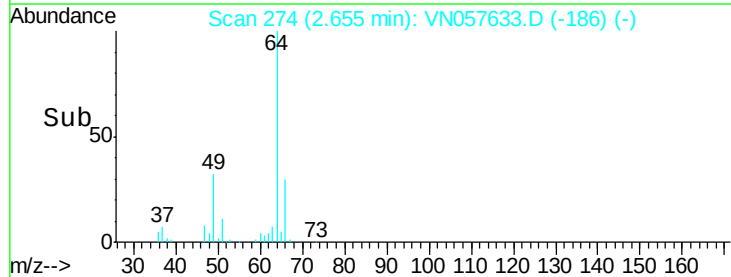
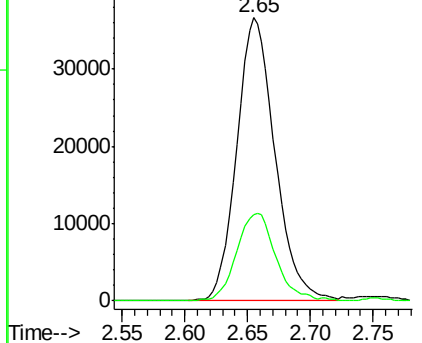
64 100

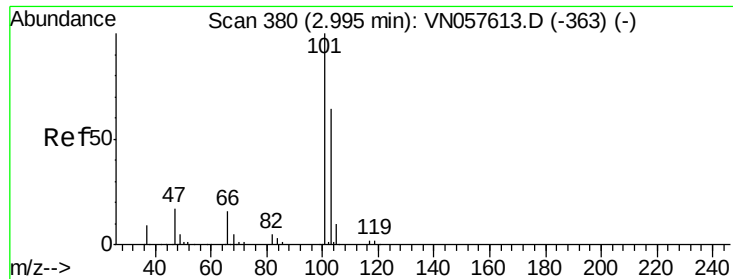
66 30.4 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

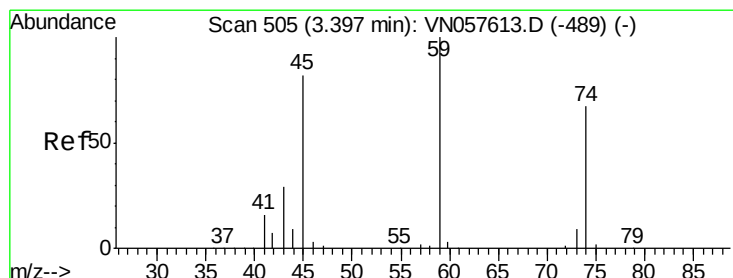
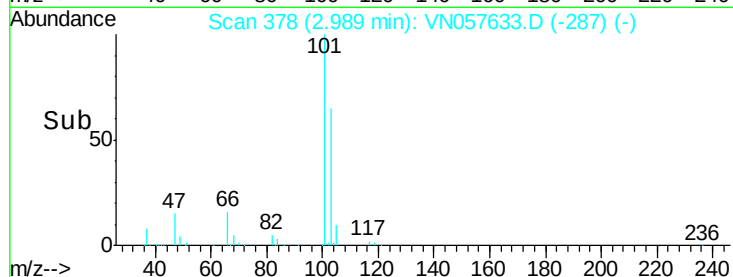
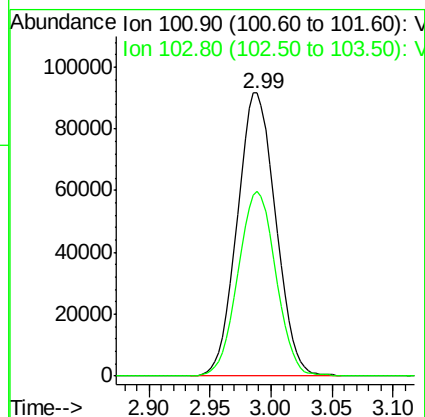
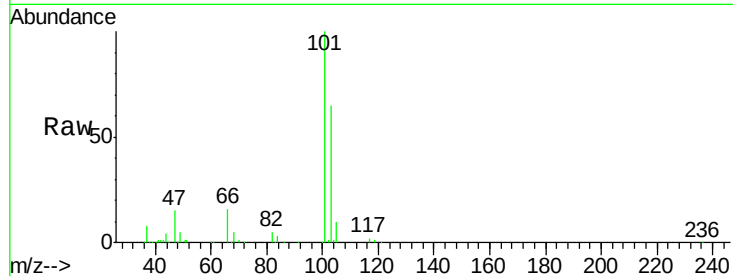
Trichlorofluoromethane
 Concen: 51.353 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	200081		
103	65.1	51.3	76.9	

Manual Integrations
 APPROVED

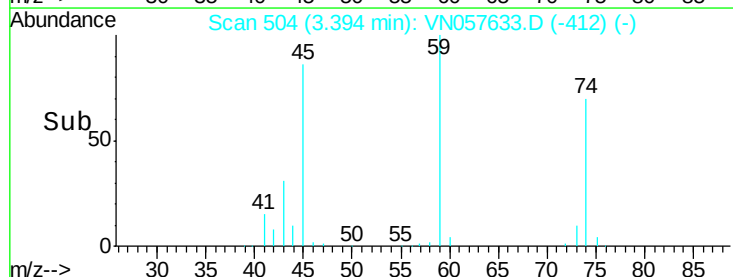
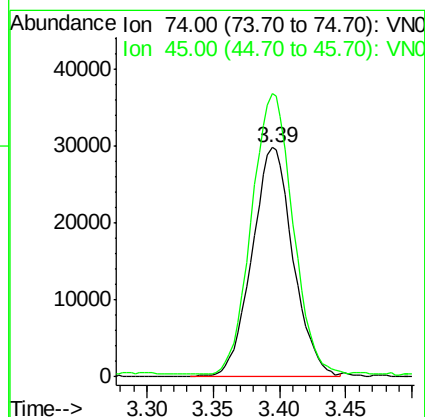
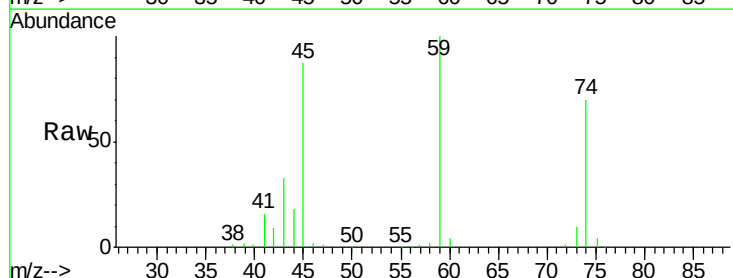
MMDadoda
 9/3/2019 11:02:46 AM

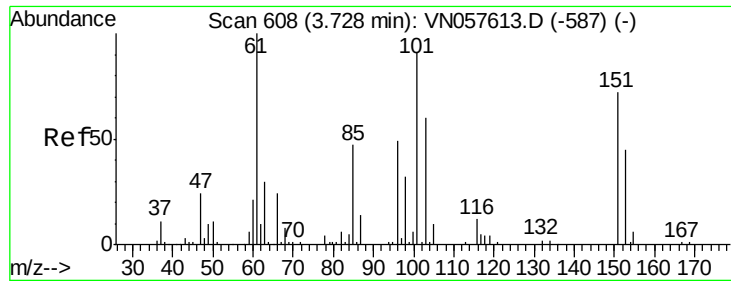


#8

Diethyl Ether
 Concen: 49.756 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	64148		
45	122.9	61.9	185.7	





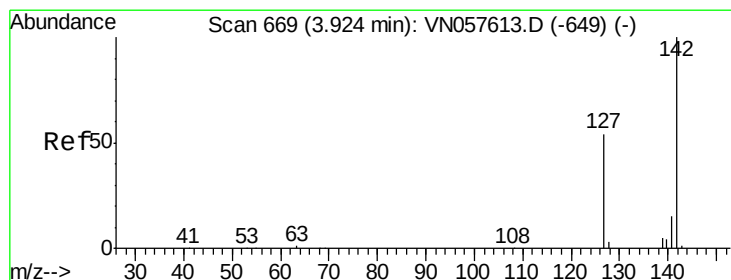
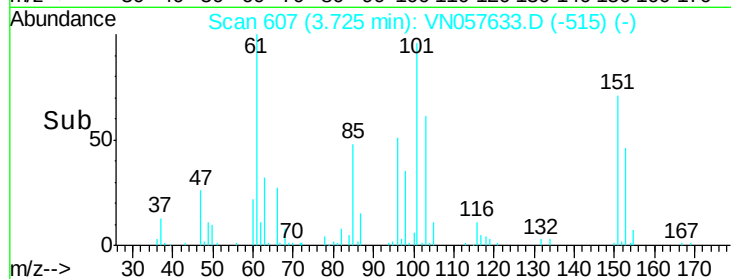
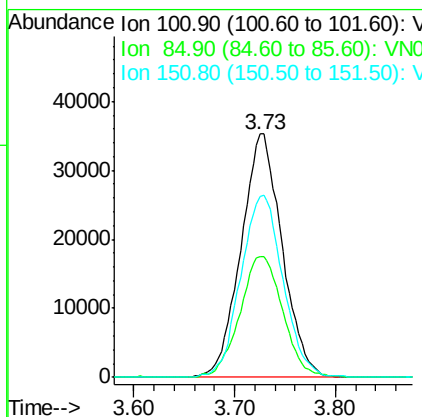
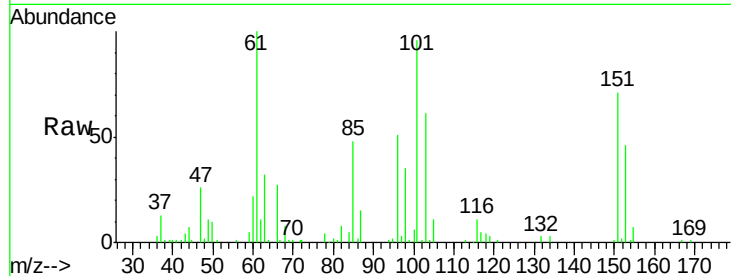
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.383 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	99519		
85	51.9	42.1	63.1	
151	76.6	60.2	90.4	

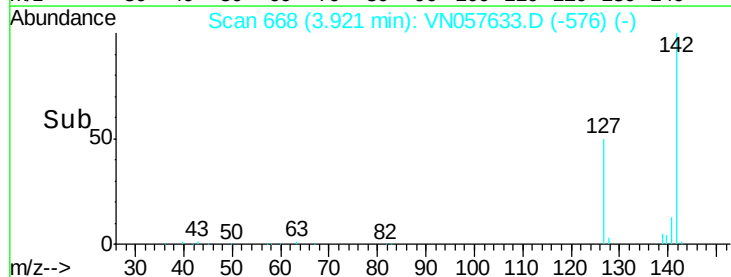
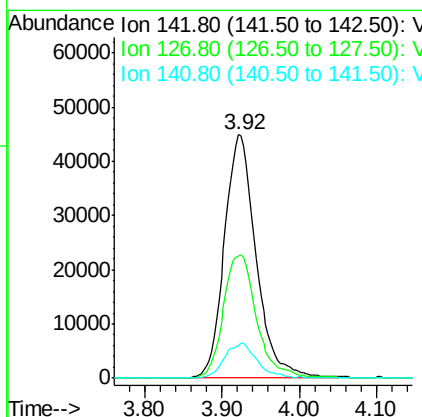
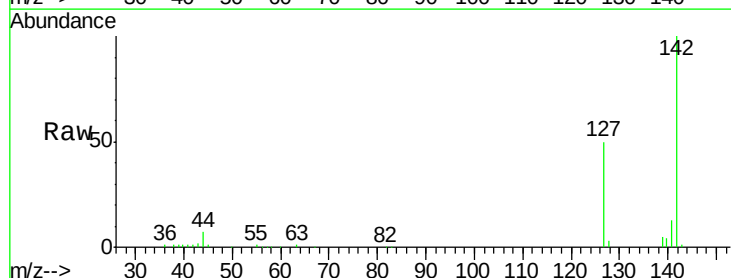
Manual Integrations
 APPROVED

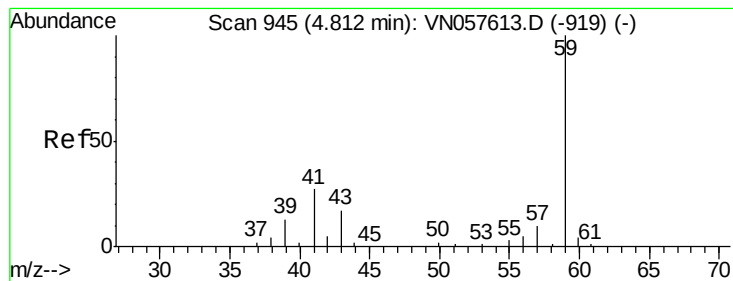
MMDadoda
 9/3/2019 11:02:46 AM



#10
 Methyl Iodide
 Concen: 50.018 ug/l
 RT: 3.92 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	127561		
127	53.0	43.0	64.6	
141	14.8	11.4	17.2	





#11

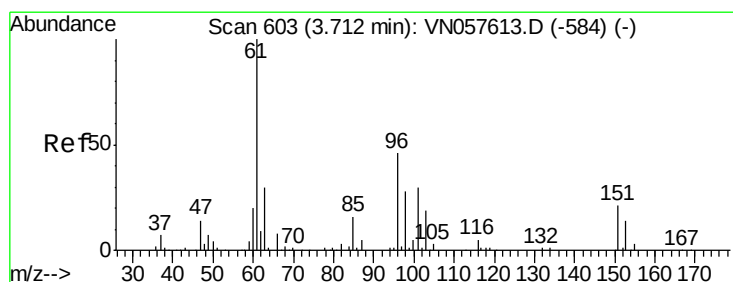
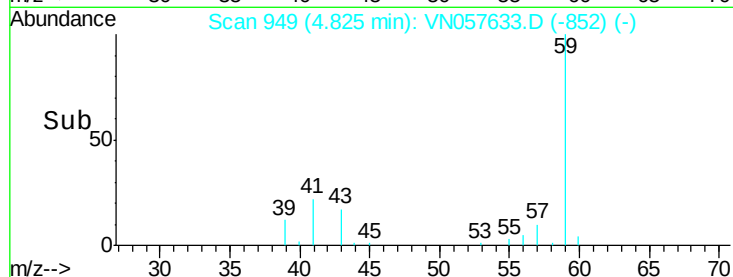
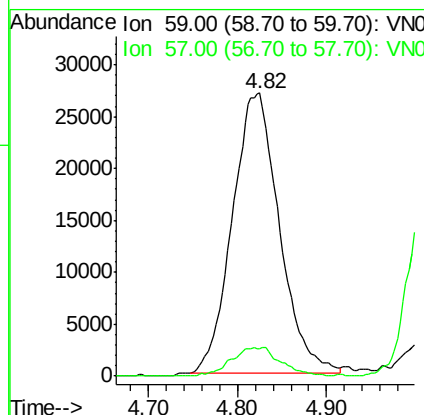
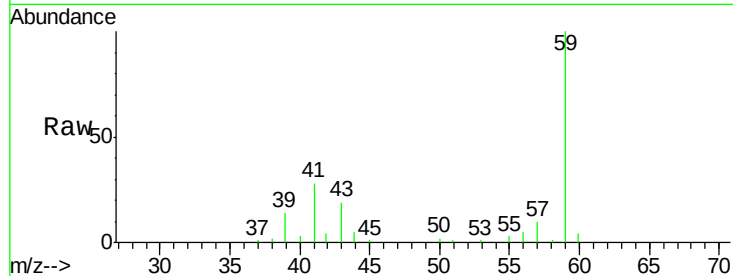
Tert butyl alcohol
 Concen: 216.322 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	98525		
57	57	6.2		5.0	7.6

Manual Integrations
 APPROVED

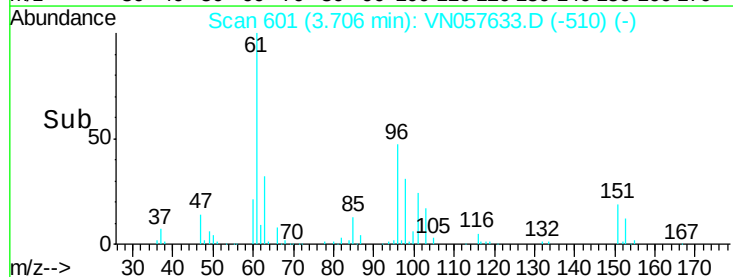
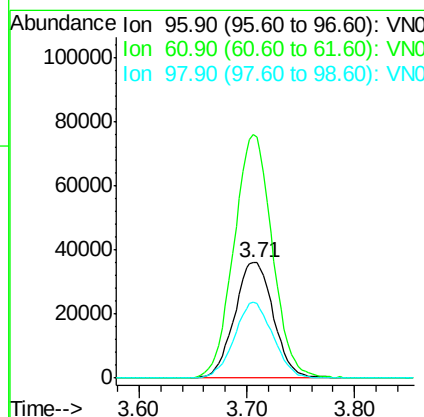
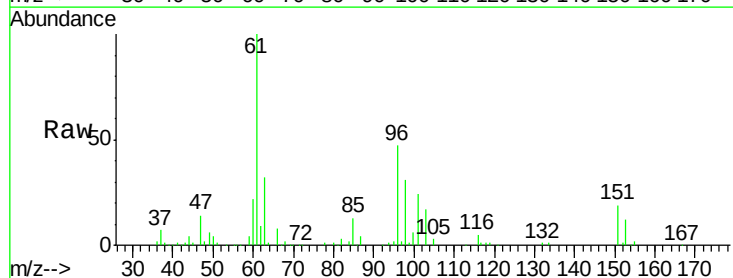
MMDadoda
 9/3/2019 11:02:46 AM

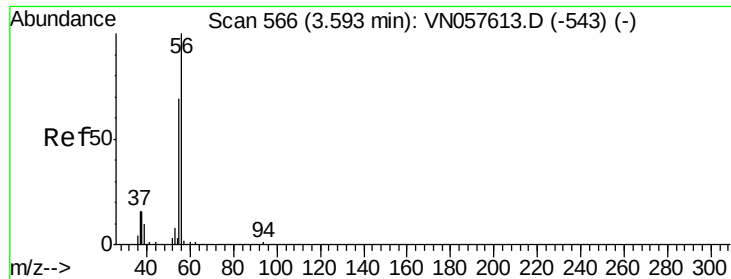


#12

1,1-Dichloroethene
 Concen: 50.535 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	90485		
61	61	210.4		172.1	258.1
98	98	65.8		48.3	72.5





#13

Acrolein

Concen: 205.675 ug/l

RT: 3.59 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 37246

Ion Ratio Lower Upper

56 100

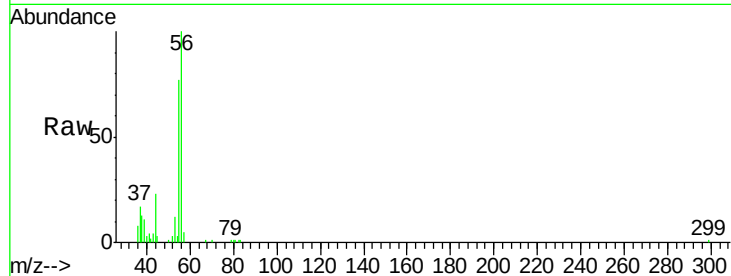
55 71.9 56.5 84.7

Manual Integrations

APPROVED

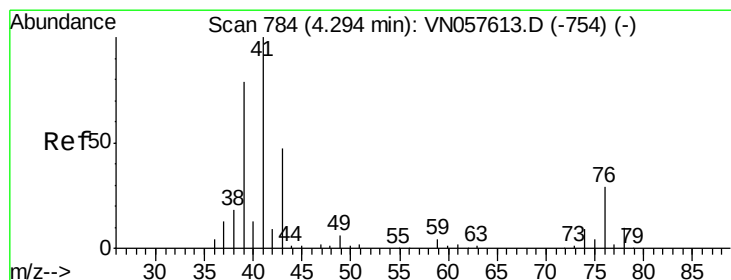
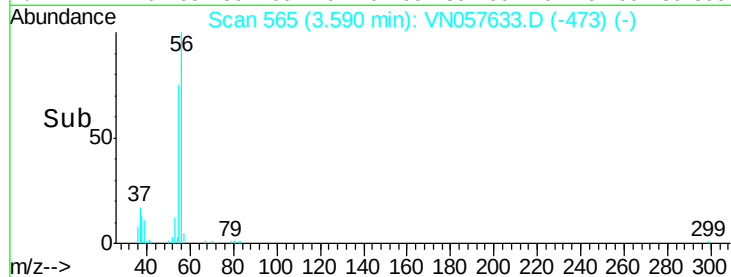
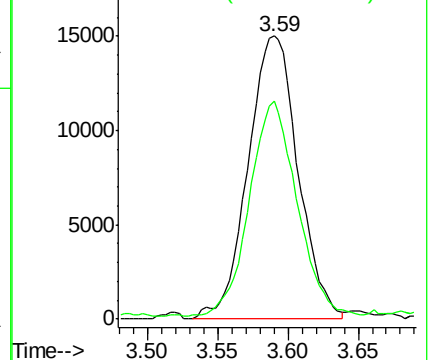
MMDadoda

9/3/2019 11:02:46 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.926 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

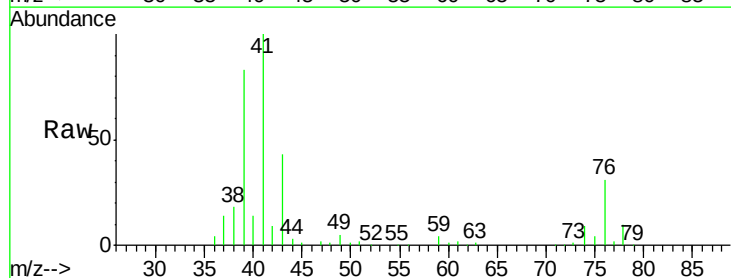
Tgt Ion: 41 Resp: 273299

Ion Ratio Lower Upper

41 100

39 77.7 60.9 91.3

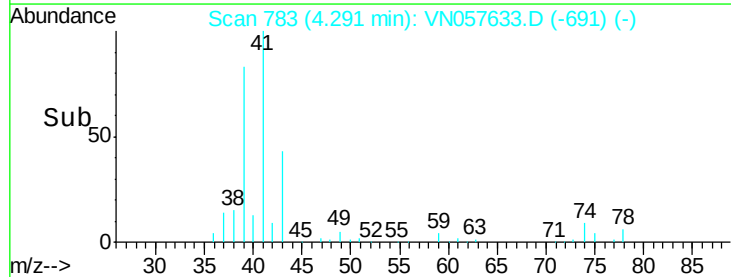
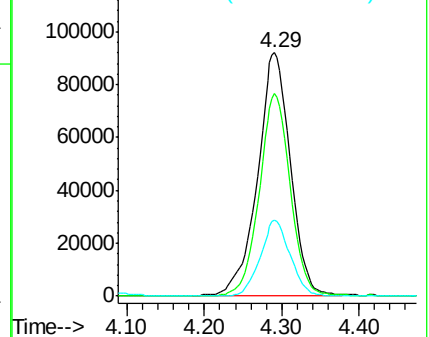
76 28.1 21.1 31.7

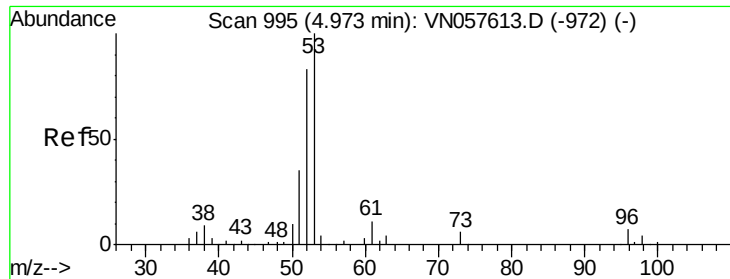


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 231.930 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

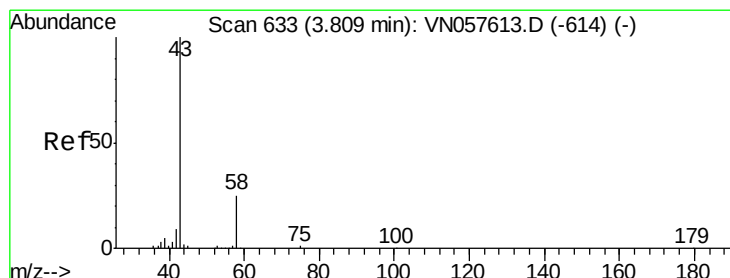
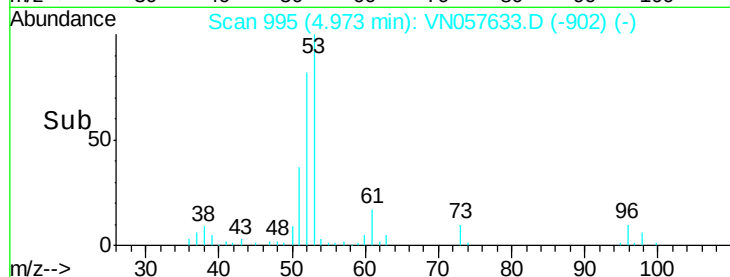
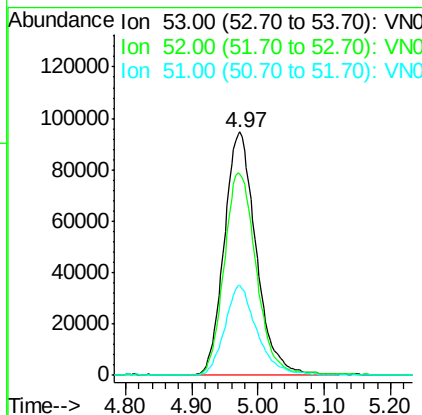
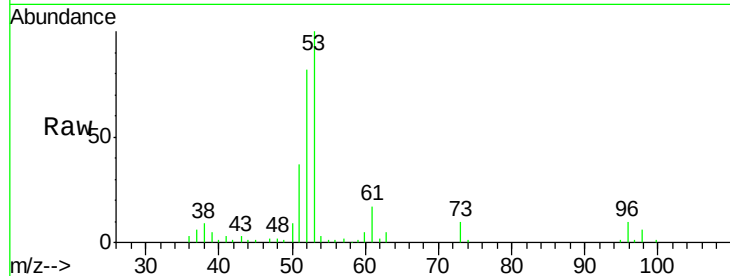
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	316971
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.1	100.7
51	37.2	30.2	45.4

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:02:46 AM



#16

Acetone

Concen: 291.887 ug/l

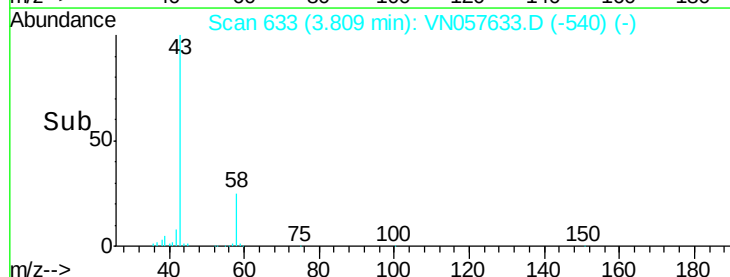
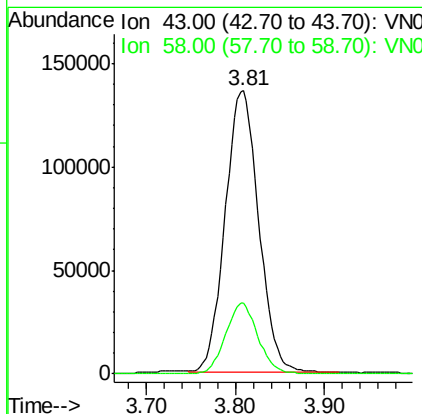
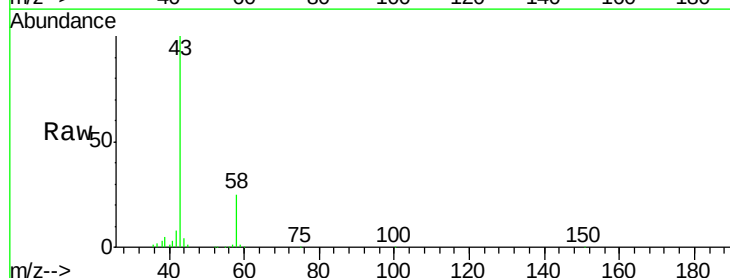
RT: 3.81 min Scan# 633

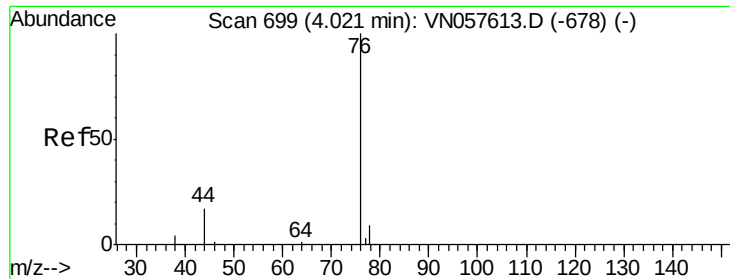
Delta R.T. 0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Tgt Ion:	43	Resp:	355223
Ion	Ratio	Lower	Upper
43	100		
58	25.1	20.0	30.0





#17

Carbon Disulfide

Concen: 49.784 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 288182

Ion Ratio Lower Upper

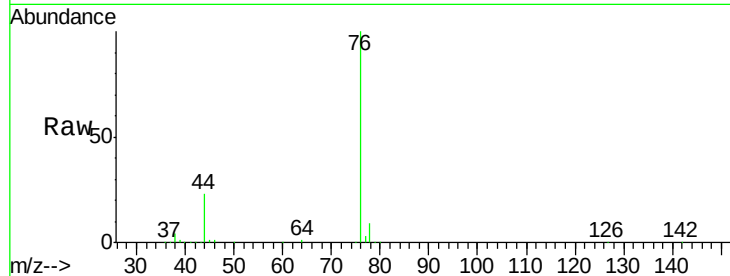
76 100

78 8.8 6.9 10.3

Manual Integrations
APPROVED

MMDadoda

9/3/2019 11:02:46 AM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

120000

100000

80000

60000

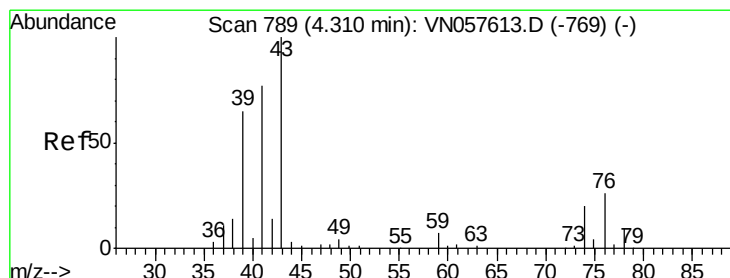
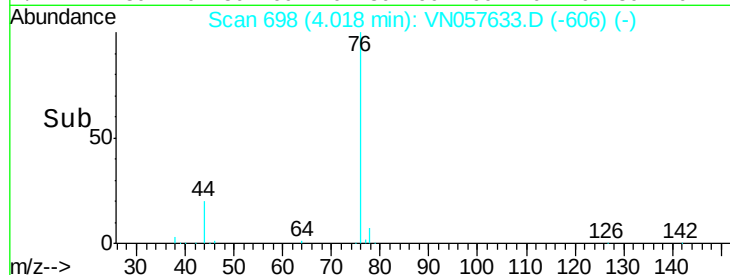
40000

20000

0

3.90 4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 43.102 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN057633.D

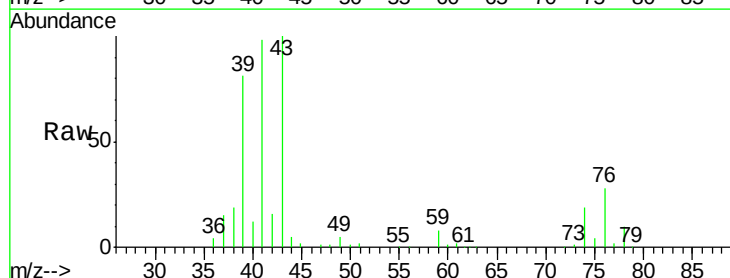
Acq: 1 Sep 2019 10:26

Tgt Ion: 43 Resp: 180107

Ion Ratio Lower Upper

43 100

74 18.8 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

60000

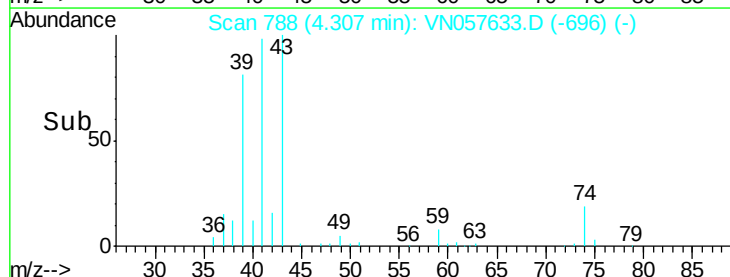
40000

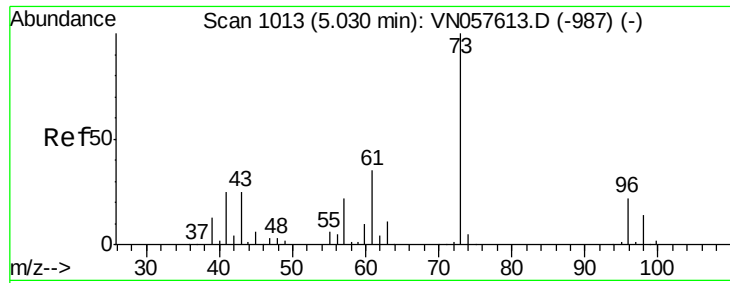
20000

0

4.20 4.30 4.40

Time-->





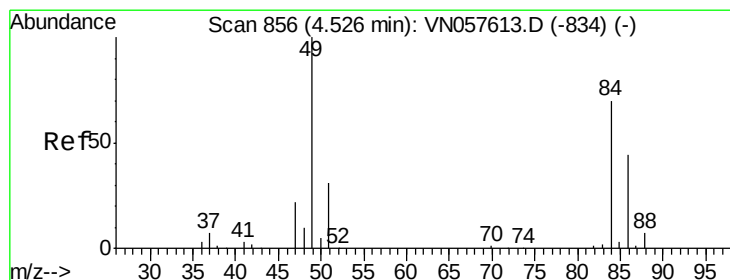
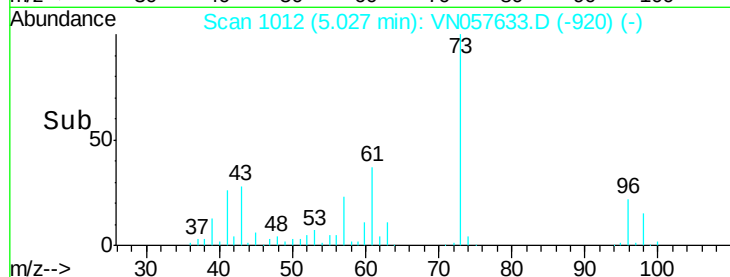
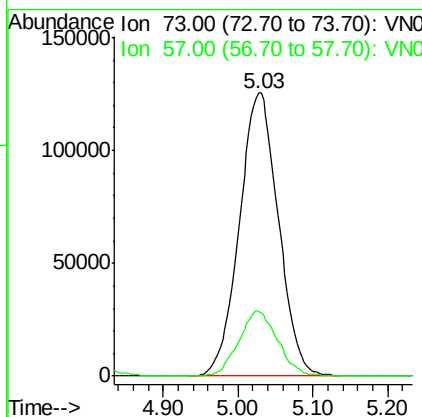
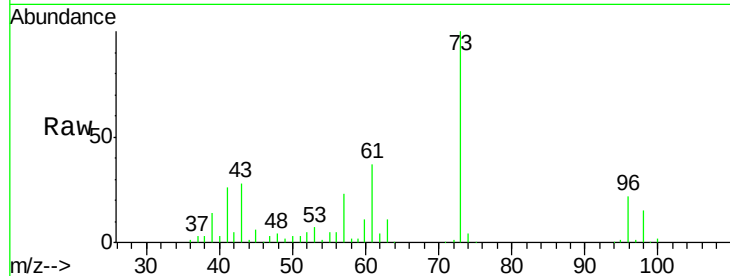
#19
Methyl tert-butyl Ether
Concen: 49.132 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 455141
Ion Ratio Lower Upper
73 100
57 23.0 17.3 25.9

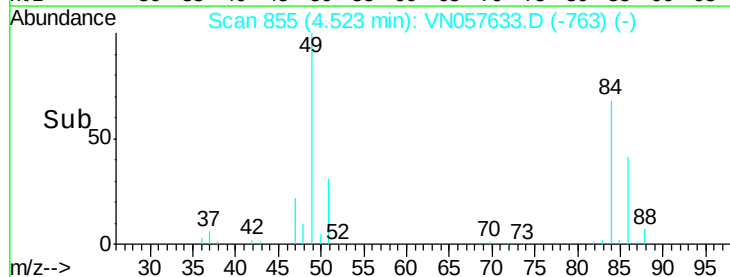
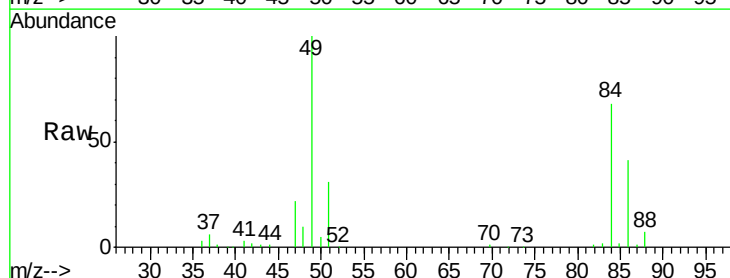
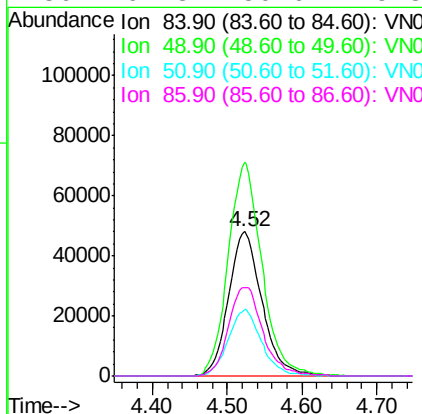
Manual Integrations
APPROVED

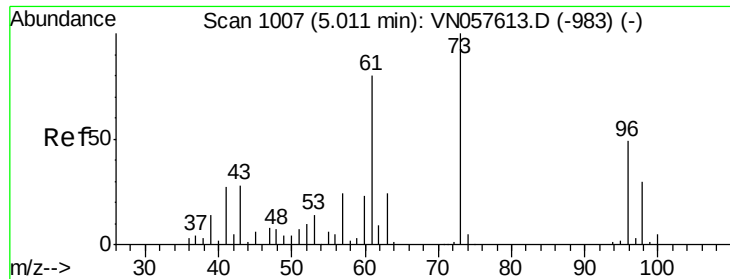
MMDadoda
9/3/2019 11:02:46 AM



#20
Methylene Chloride
Concen: 49.573 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion: 84 Resp: 149356
Ion Ratio Lower Upper
84 100
49 147.9 113.8 170.6
51 45.9 35.0 52.6
86 61.3 50.6 75.8





#21

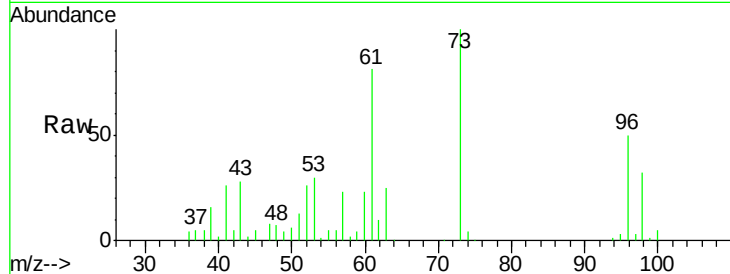
trans-1,2-Dichloroethene
Concen: 50.813 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.9	131.6	197.4
98	63.3	49.9	74.9

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:02:46 AM

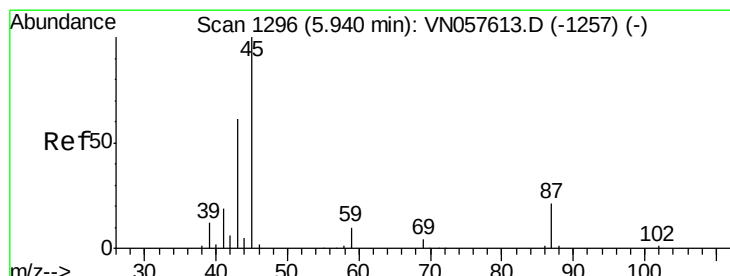
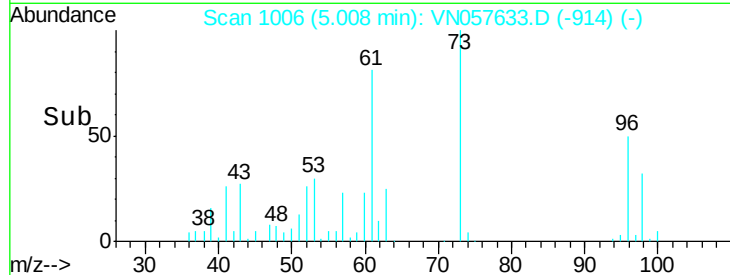
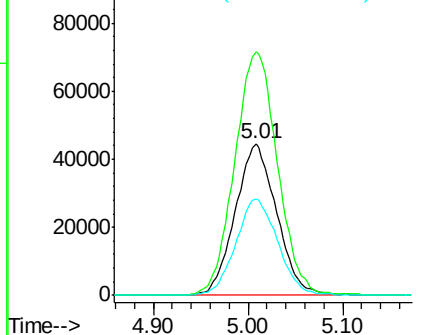


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether
Concen: 49.876 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	49.1	73.7
87	23.0	17.0	25.6
59	10.7	8.2	12.2

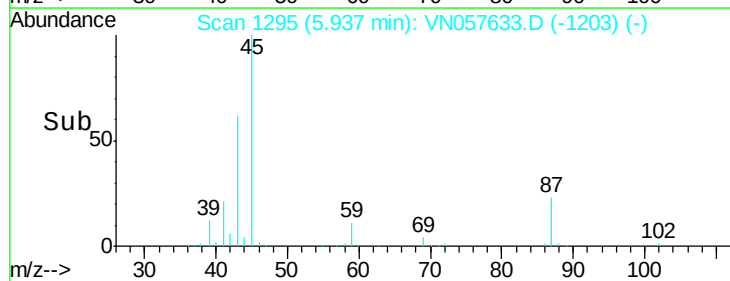
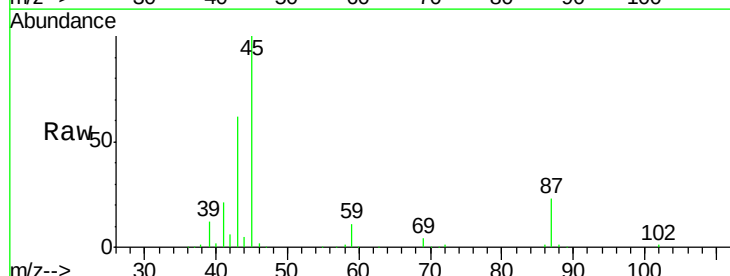
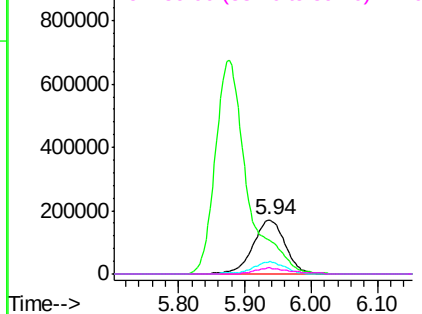
Abundance

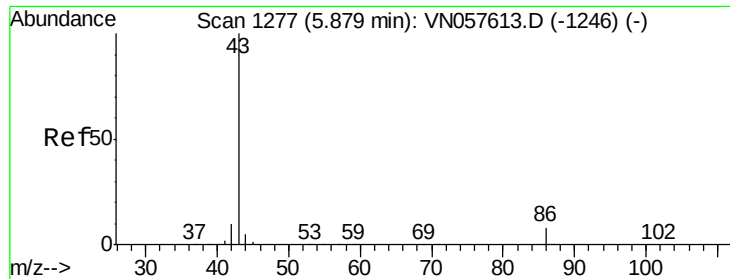
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





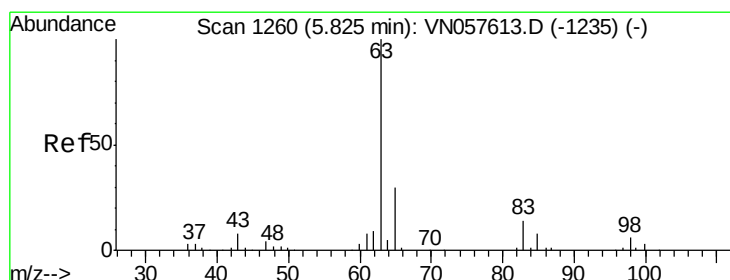
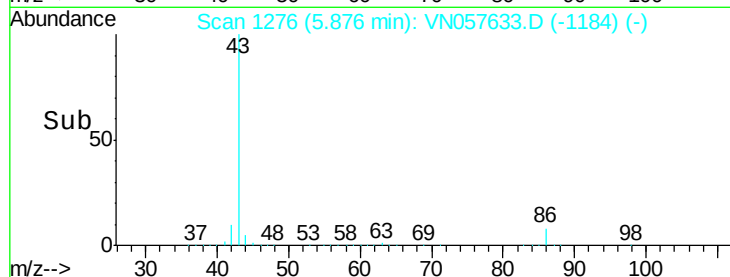
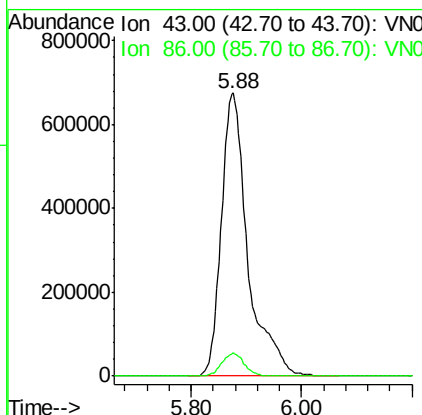
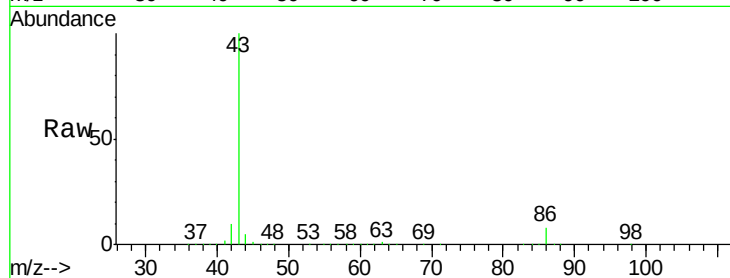
#23
 Vinyl Acetate
 Concen: 254.592 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2246803
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.1 9.1

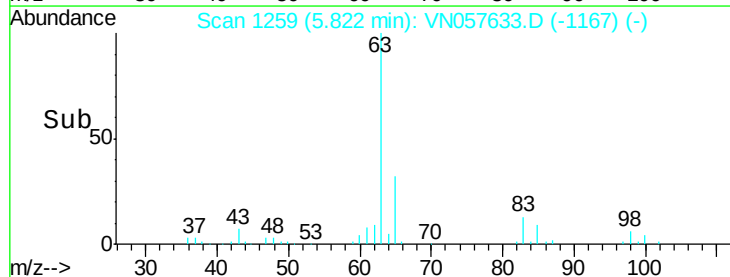
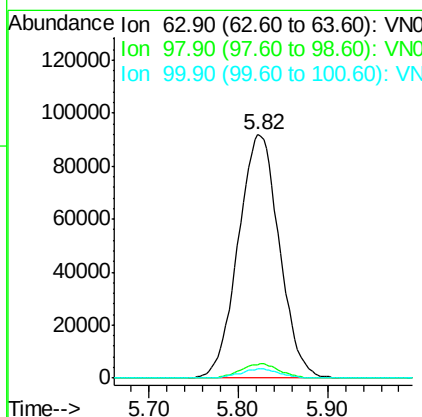
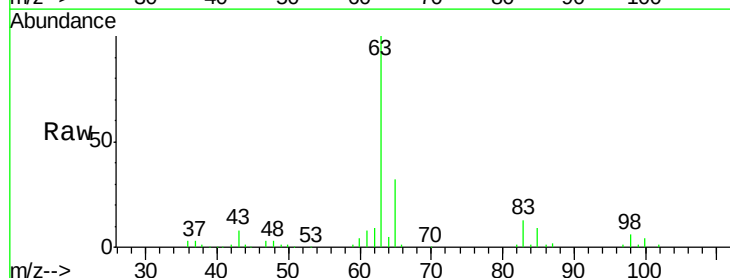
Manual Integrations
 APPROVED

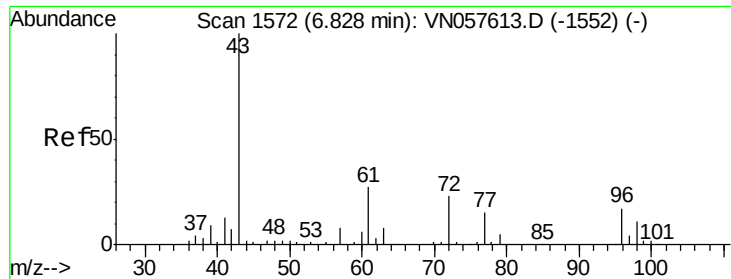
MMDadoda
 9/3/2019 11:02:46 AM



#24
 1,1-Dichloroethane
 Concen: 51.060 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Tgt Ion: 63 Resp: 294319
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.4
 100 3.7 1.5 4.5





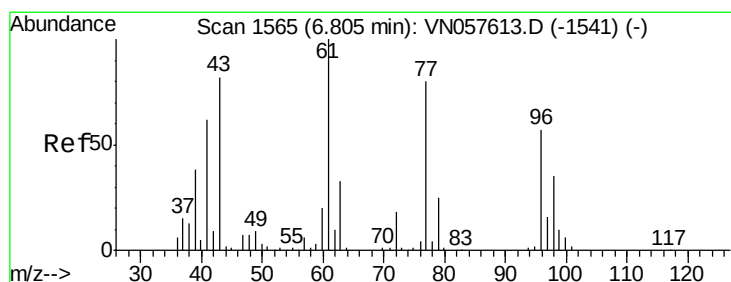
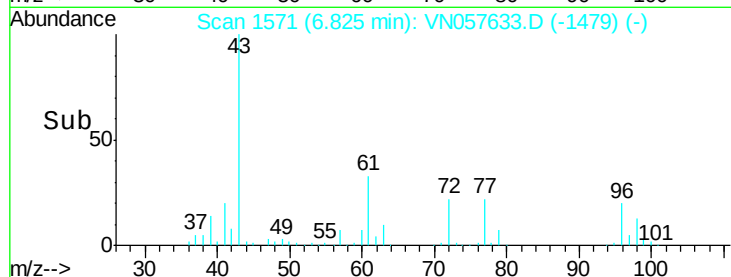
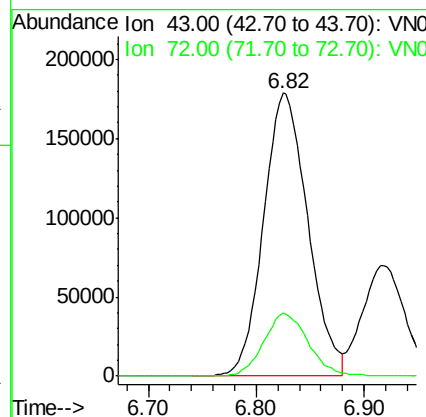
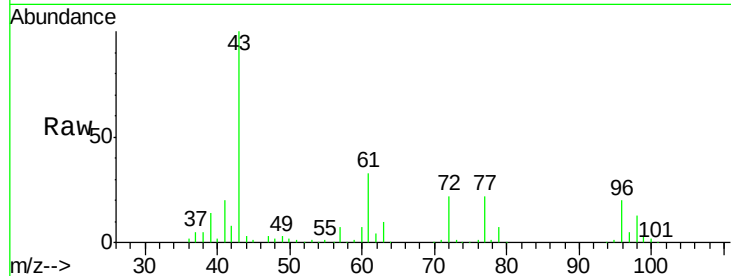
#25
2-Butanone
Concen: 249.800 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 506564
Ion Ratio Lower Upper
43 100
72 22.3 18.2 27.4

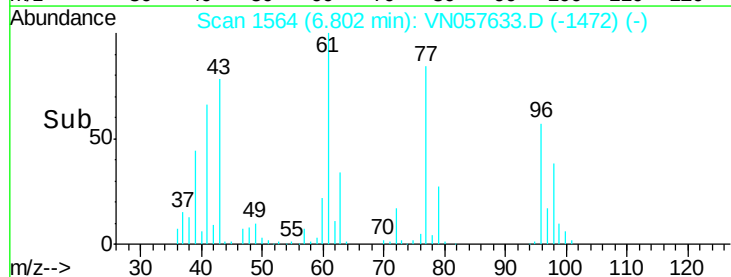
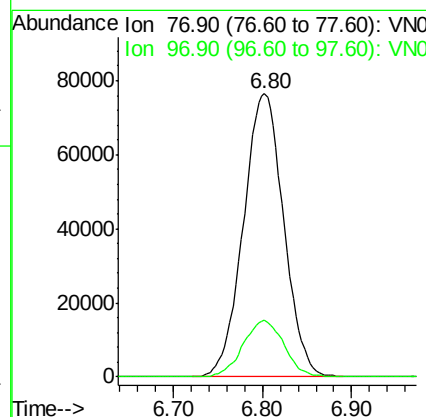
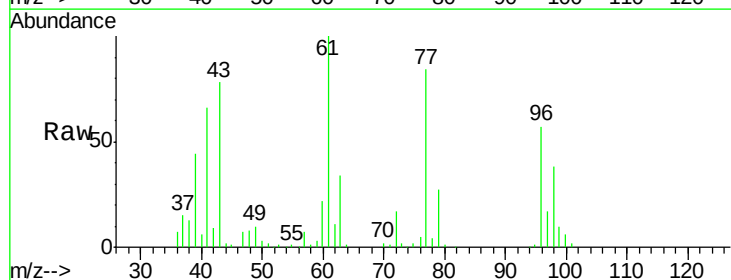
Manual Integrations
APPROVED

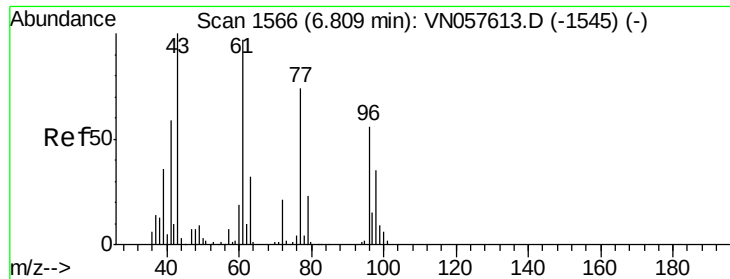
MMDadoda
9/3/2019 11:02:46 AM



#26
2,2-Dichloropropane
Concen: 52.130 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion: 77 Resp: 240185
Ion Ratio Lower Upper
77 100
97 20.2 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 49.559 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

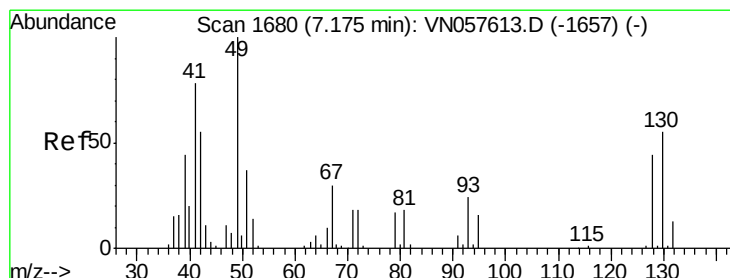
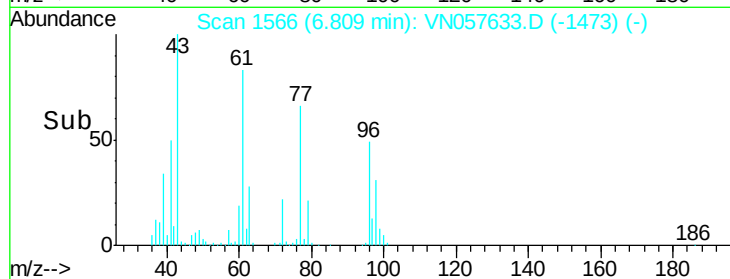
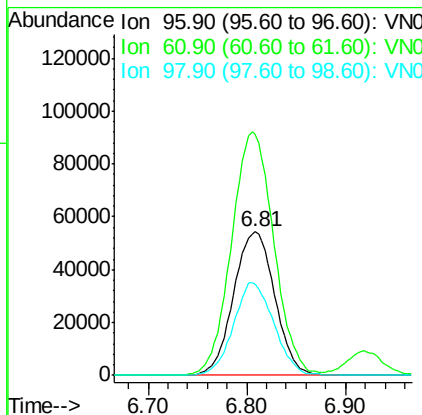
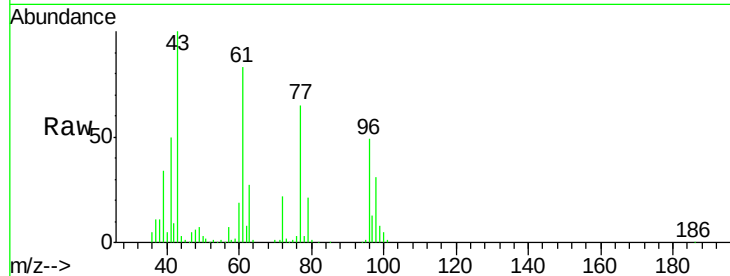
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	157538
Ion	Ratio	Lower	Upper
96	100		
61	173.4	0.0	344.6
98	63.5	0.0	124.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:02:46 AM



#28

Bromochloromethane

Concen: 48.404 ug/l

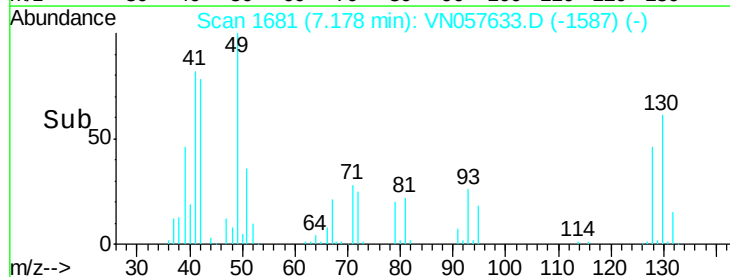
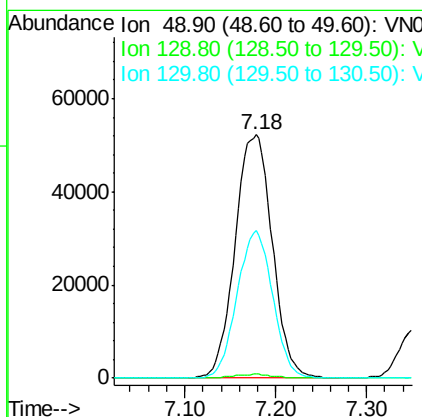
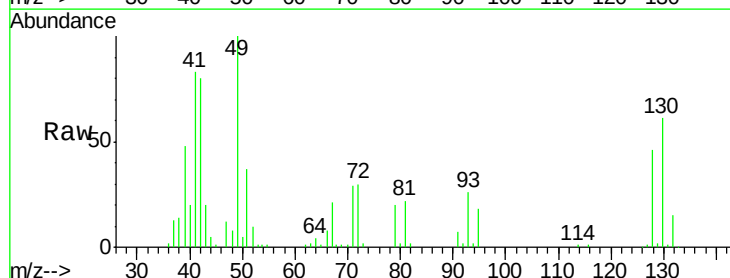
RT: 7.18 min Scan# 1681

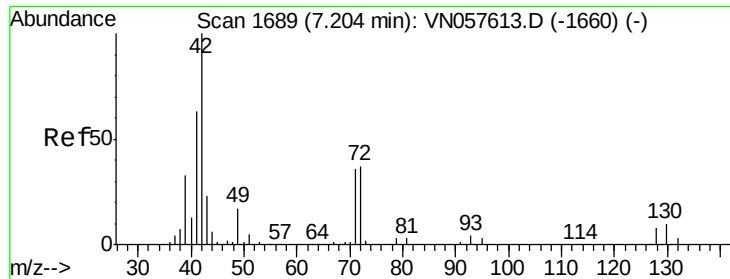
Delta R.T. 0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Tgt Ion:	49	Resp:	148580
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.8
130	57.7	45.8	68.8





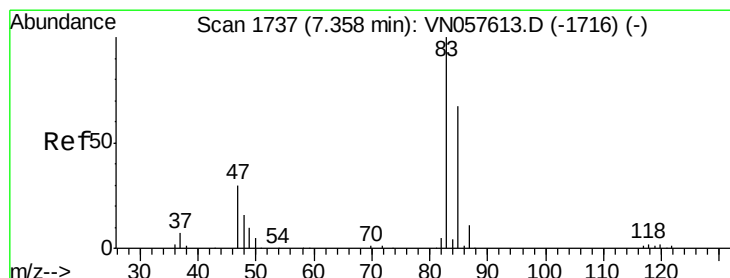
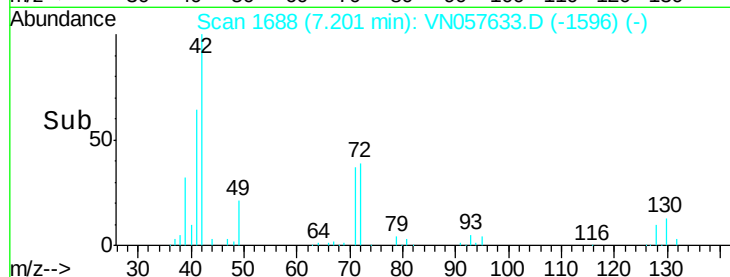
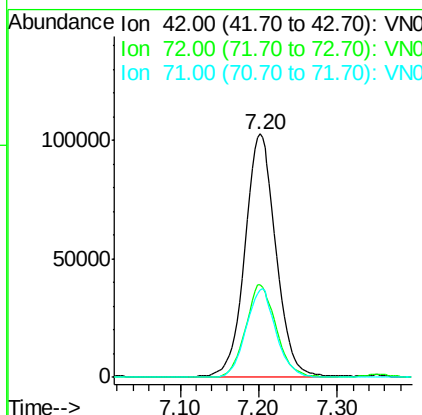
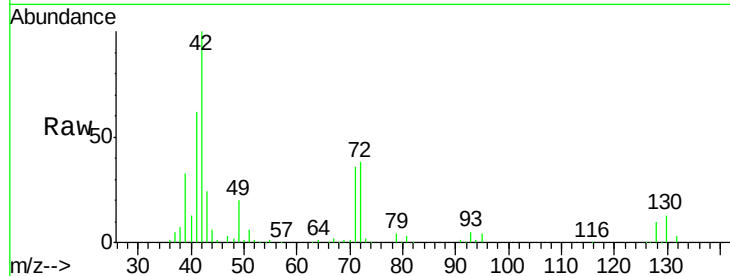
#29
Tetrahydrofuran
Concen: 223.470 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	29.6	44.4
71	35.4	27.9	41.9

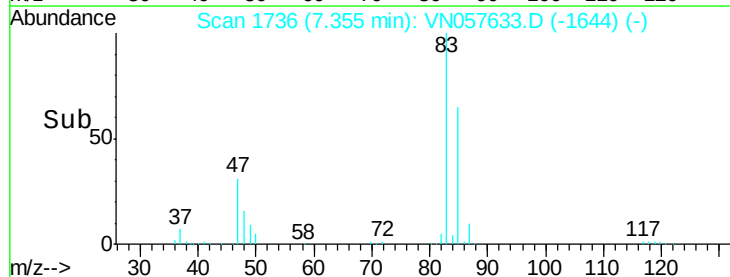
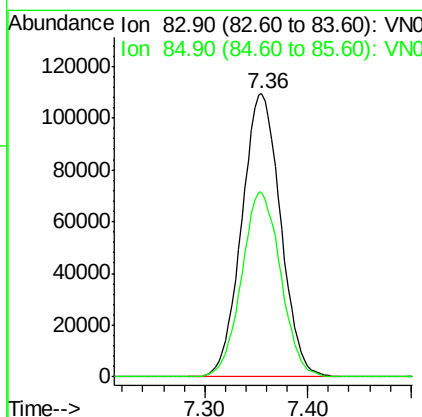
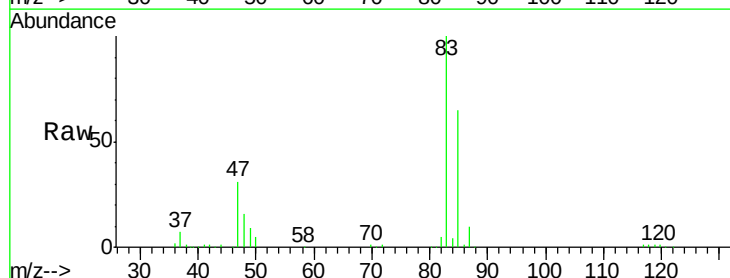
Manual Integrations
APPROVED

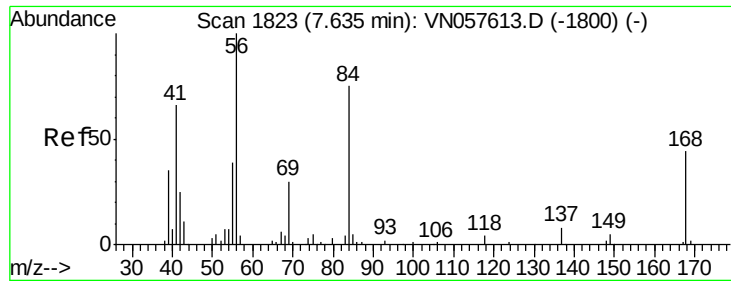
MMDadoda
9/3/2019 11:02:46 AM



#30
Chloroform
Concen: 48.935 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.2	79.8





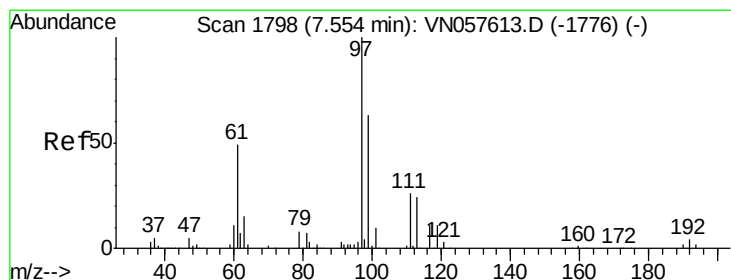
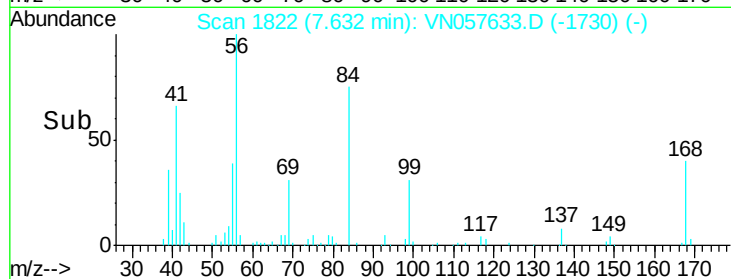
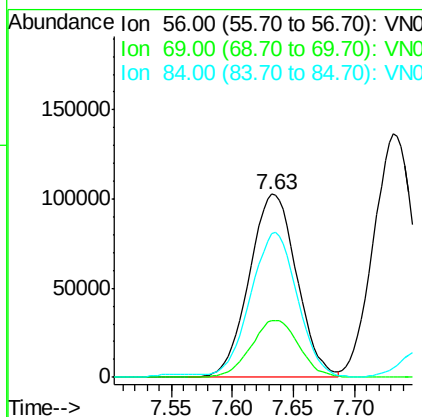
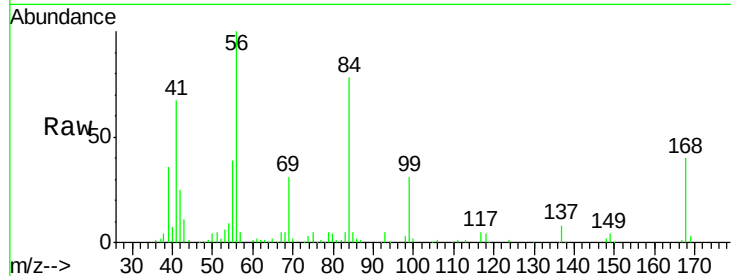
#31
Cyclohexane
Concen: 48.297 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.4	36.6
84	77.1	59.9	89.9

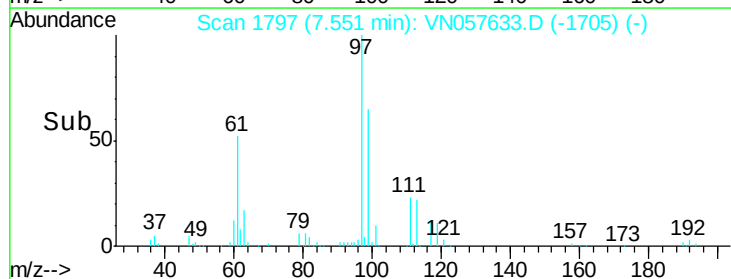
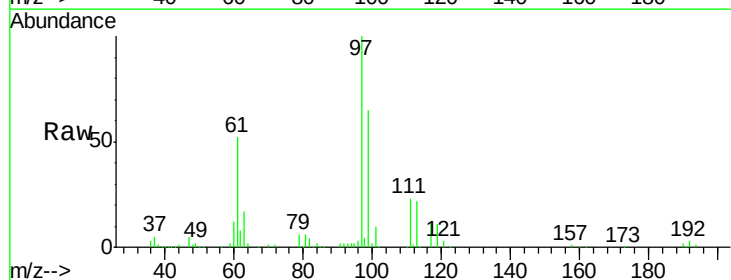
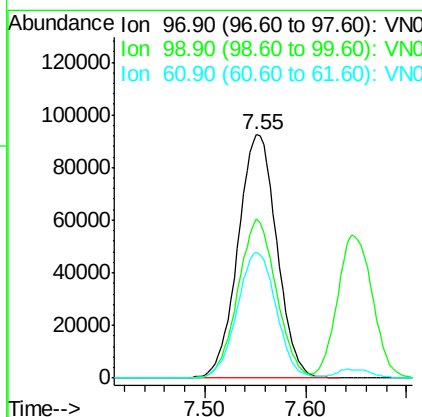
Manual Integrations
APPROVED

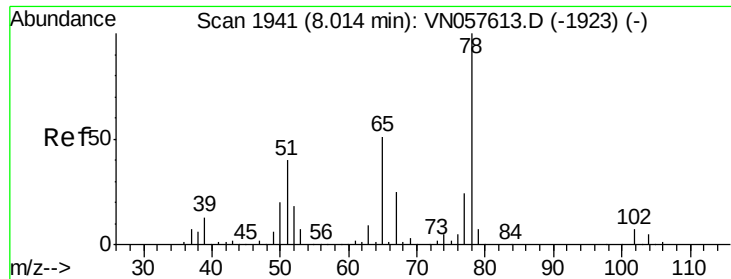
MMDadoda
9/3/2019 11:02:46 AM



#32
1,1,1-Trichloroethane
Concen: 51.417 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.6	75.8
61	52.0	41.1	61.7





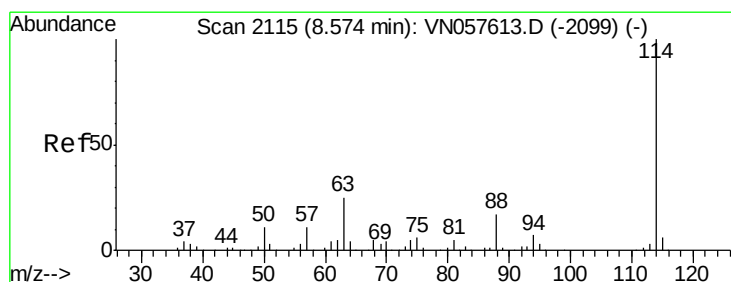
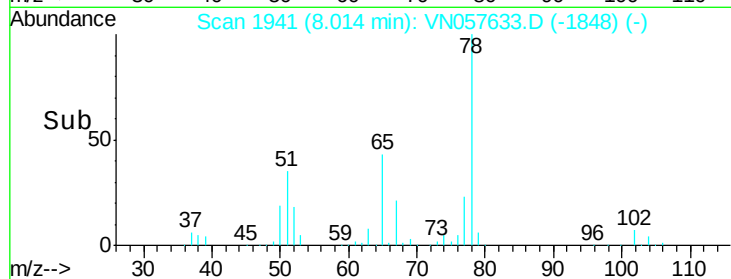
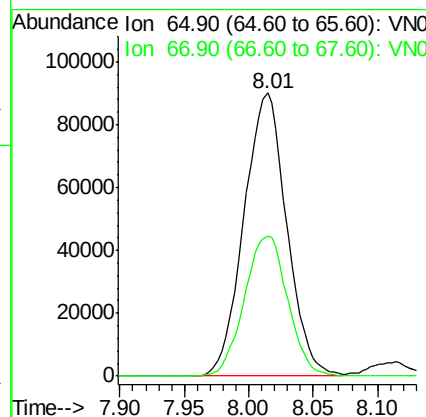
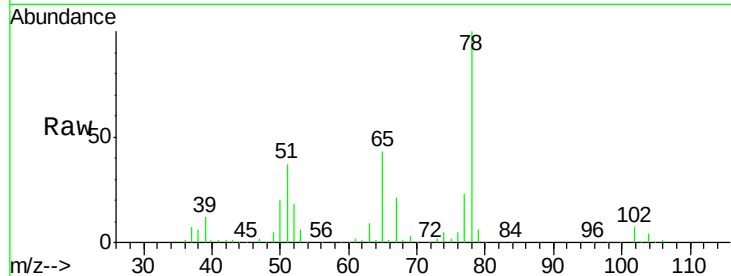
#33
 1,2-Dichloroethane-d4
 Concen: 47.936 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	208158		
67	50.2	0.0	102.2	

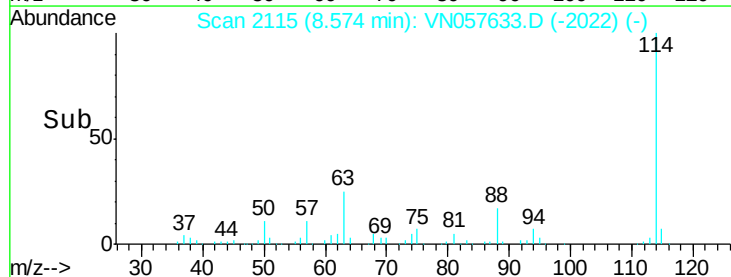
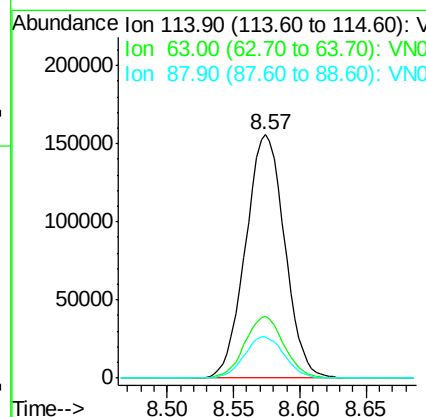
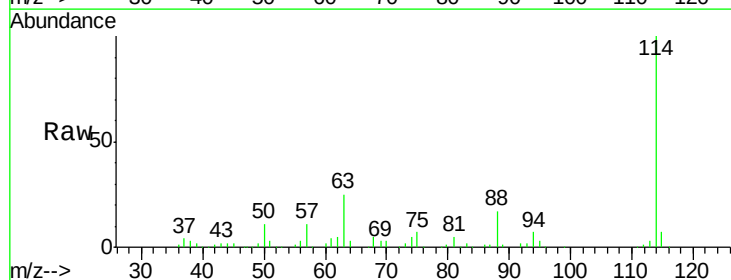
Manual Integrations
 APPROVED

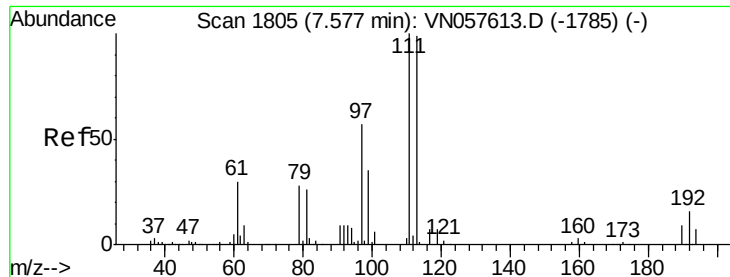
MMDadoda
 9/3/2019 11:02:46 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	320359		
63	25.2	0.0	49.0	
88	17.0	0.0	33.0	





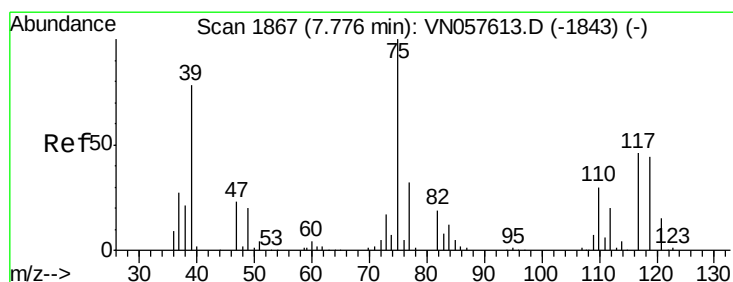
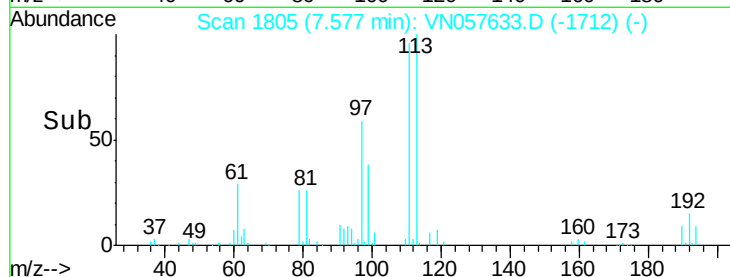
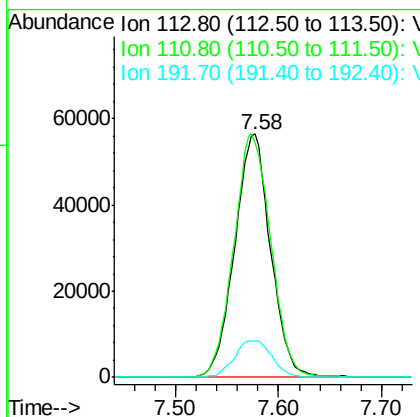
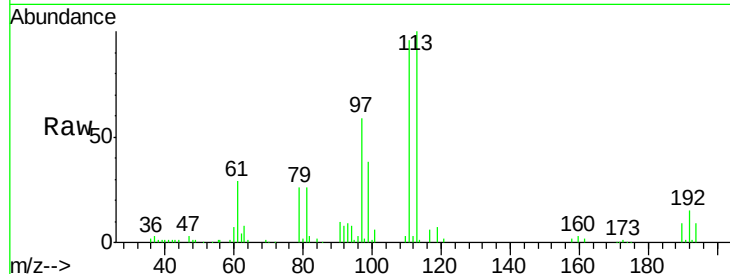
#35
 Dibromofluoromethane
 Concen: 48.802 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	136530		
111	103.7	81.3	121.9	
192	16.0	13.5	20.3	

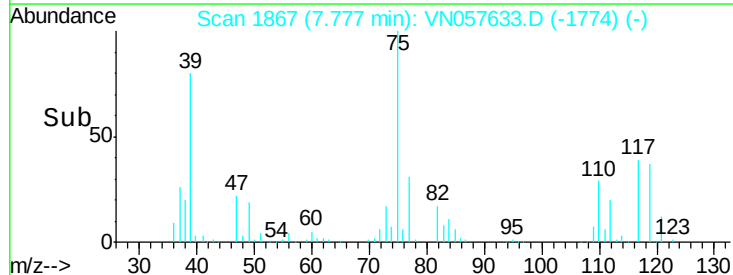
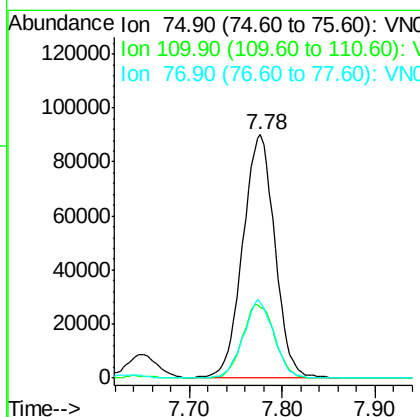
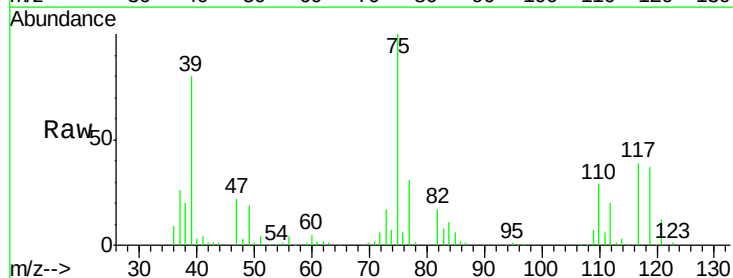
Manual Integrations
 APPROVED

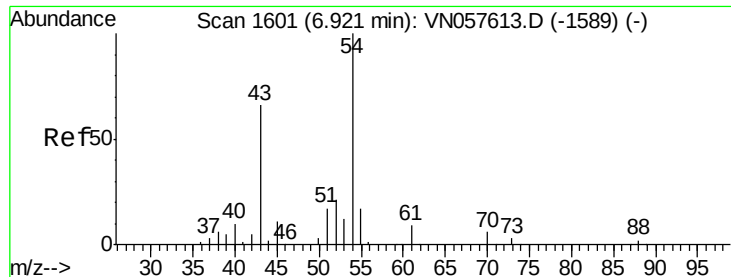
MMDadoda
 9/3/2019 11:02:46 AM



#36
 1,1-Dichloropropene
 Concen: 50.688 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	215286		
110	30.7	15.6	46.8	
77	30.9	24.9	37.3	





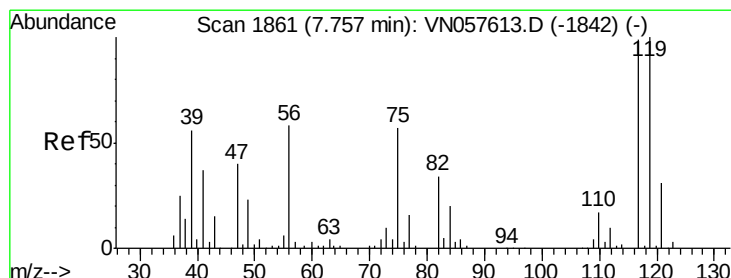
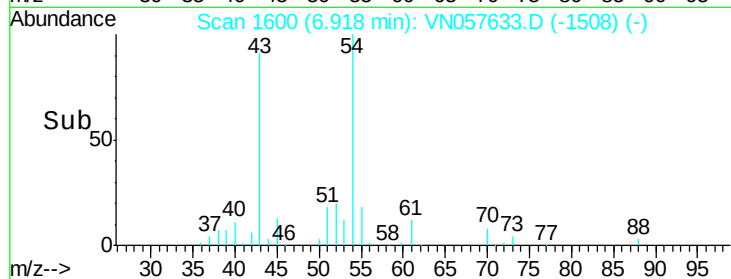
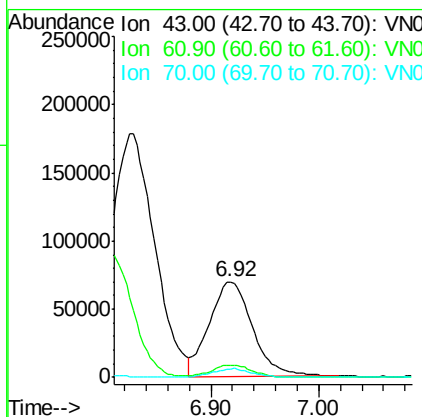
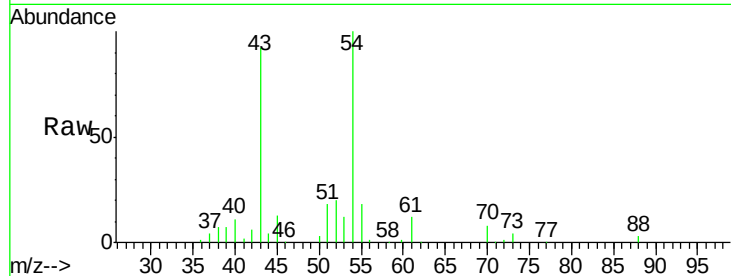
#37
Ethyl Acetate
Concen: 47.959 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.1	15.1
70	8.5	6.8	10.2

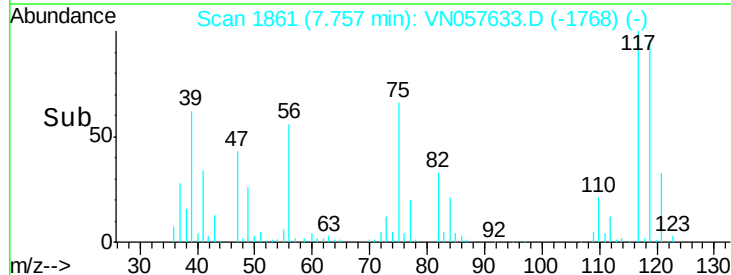
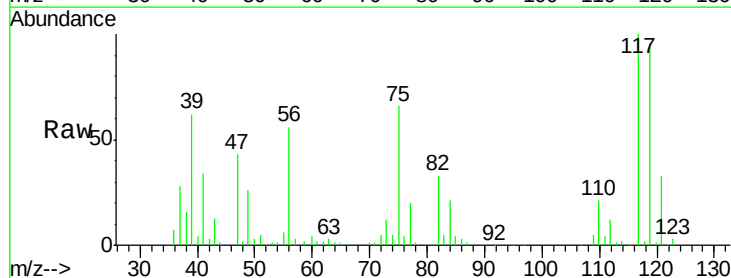
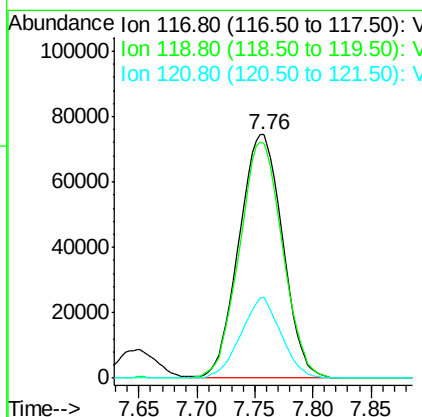
Manual Integrations
APPROVED

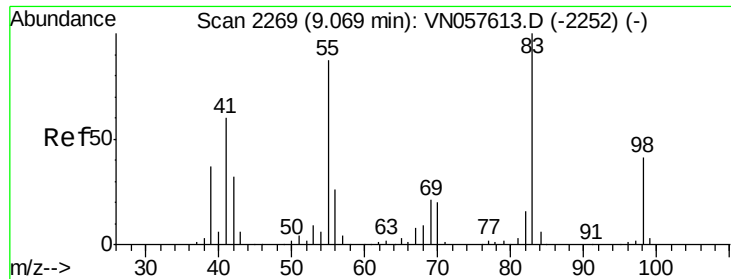
MMDadoda
9/3/2019 11:02:46 AM



#38
Carbon Tetrachloride
Concen: 51.369 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	80.6	120.8
121	33.1	25.1	37.7





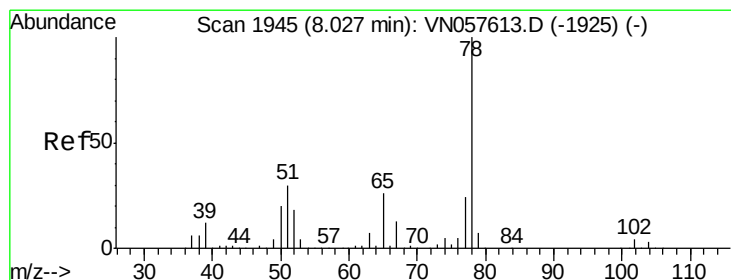
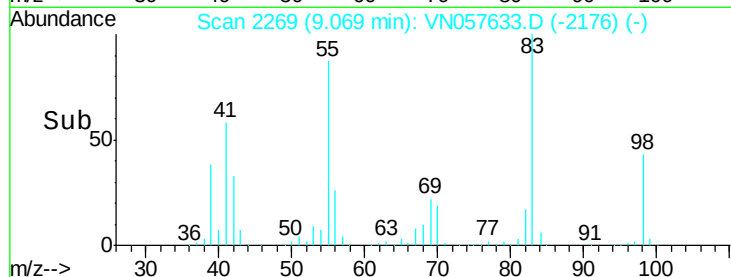
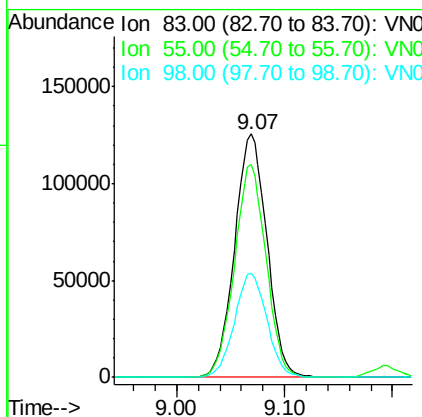
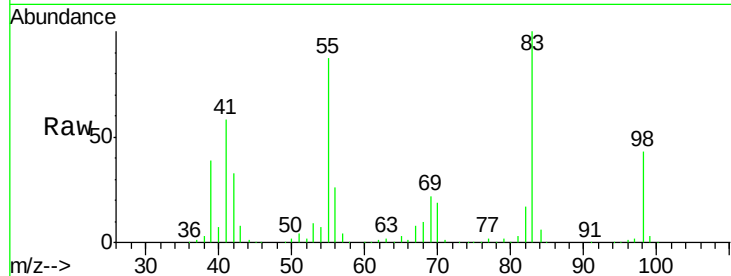
#39
Methylvlcyclohexane
Concen: 52.227 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	262079
Ion Ratio	Lower	Upper	
83	100		
55	87.3	69.8	104.8
98	42.7	32.7	49.1

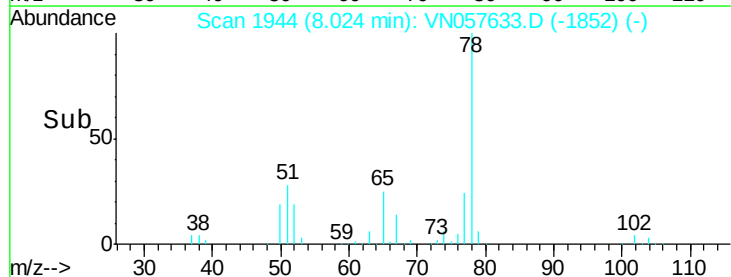
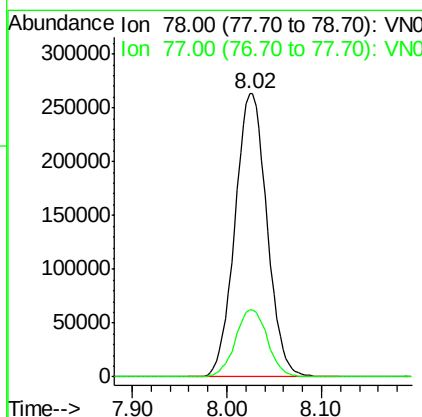
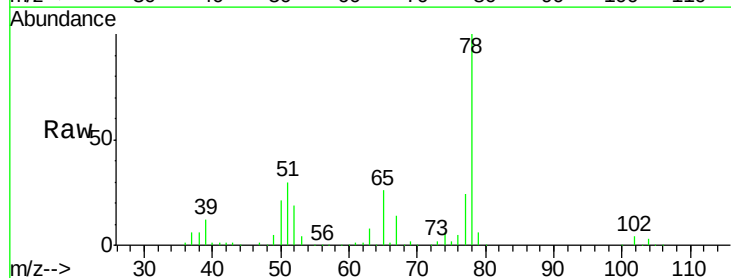
Manual Integrations
APPROVED

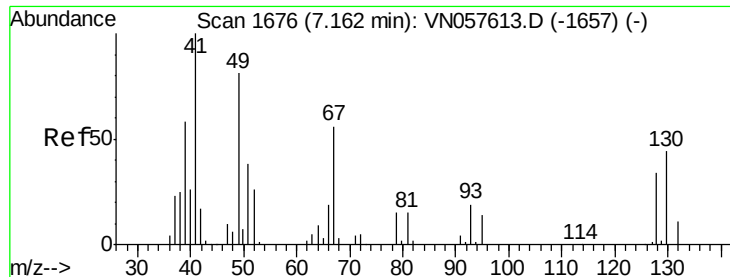
MMDadoda
9/3/2019 11:02:46 AM



#40
Benzene
Concen: 50.049 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion	78	Resp	618785
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.1	28.7





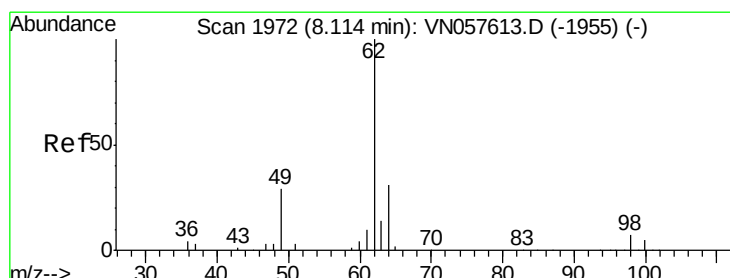
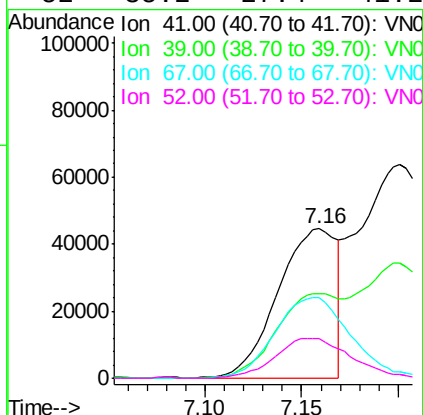
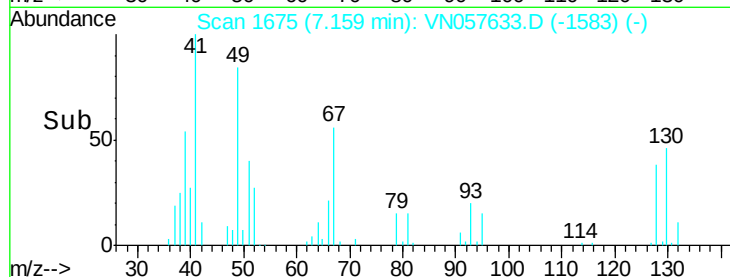
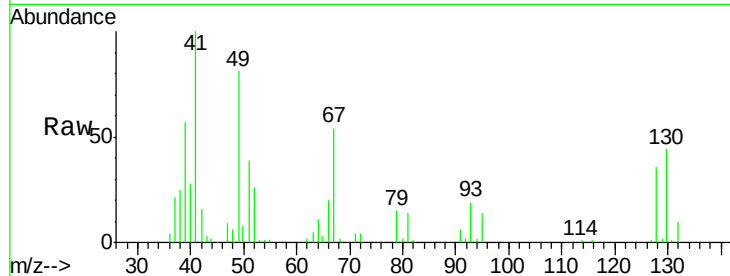
#41
Methacrylonitrile
Concen: 42.066 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.9	50.6	75.8	
67	69.9	56.9	85.3	
52	35.2	27.4	41.2	

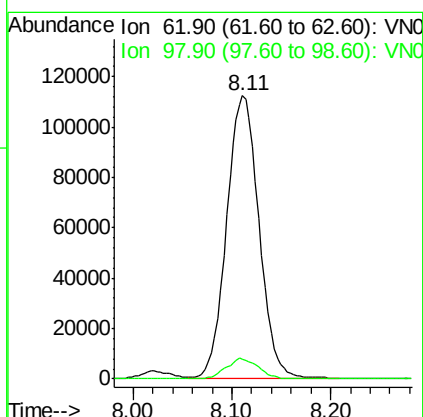
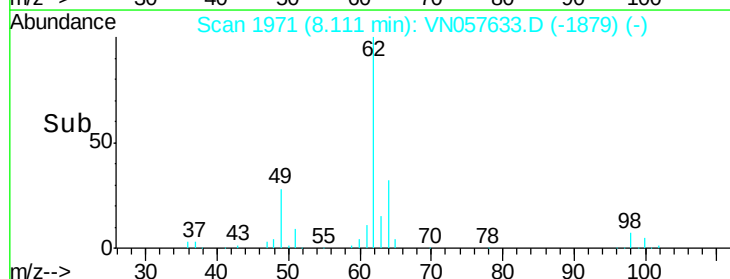
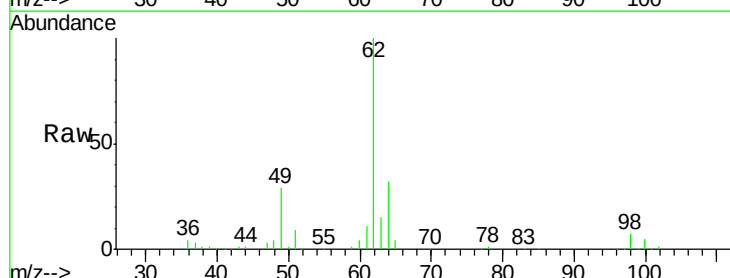
Manual Integrations
APPROVED

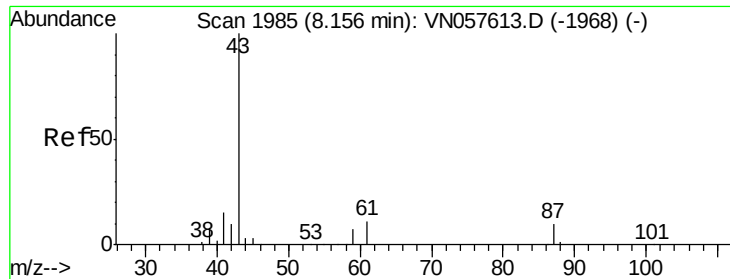
MMDadoda
9/3/2019 11:02:46 AM



#42
1,2-Dichloroethane
Concen: 51.083 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.3	0.0	14.0	





#43

Isopropyl Acetate

Concen: 47.378 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

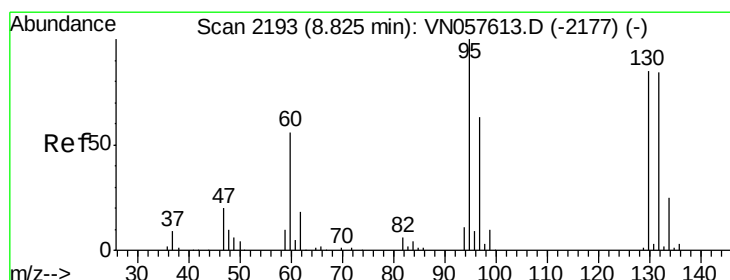
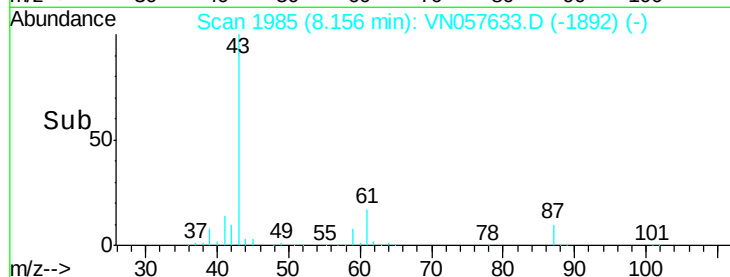
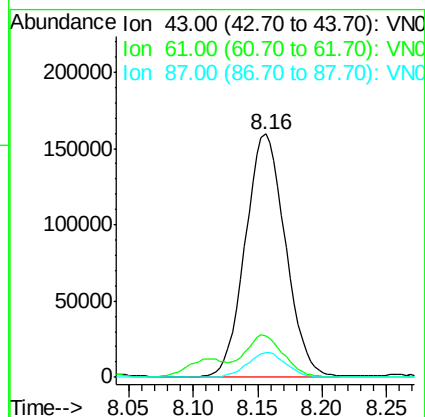
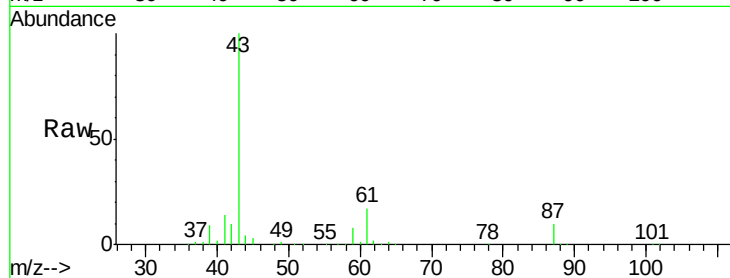
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	344863
Ion	Ratio	Lower	Upper
43	100		
61	16.6	13.1	19.7
87	9.9	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:02:46 AM



#44

Trichloroethene

Concen: 50.639 ug/l

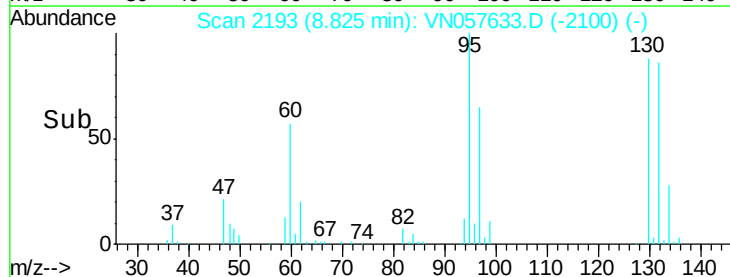
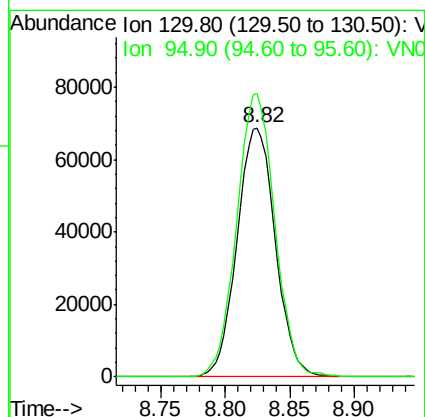
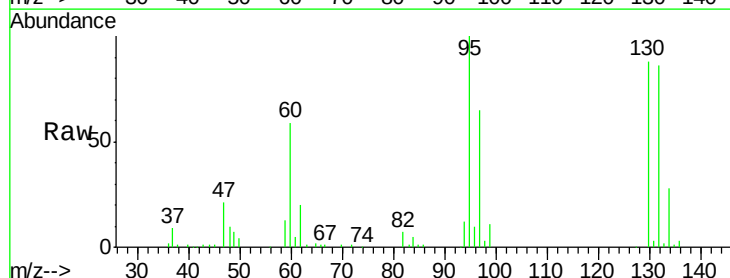
RT: 8.82 min Scan# 2193

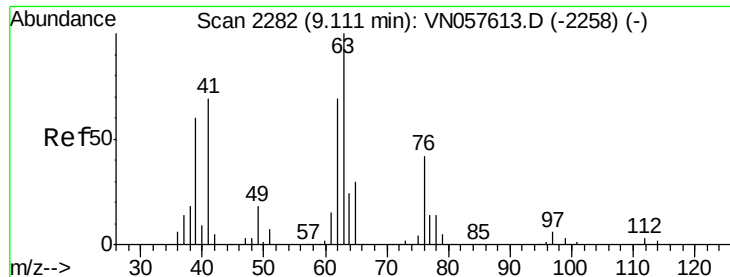
Delta R.T. 0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Tgt Ion:	130	Resp:	142026
Ion	Ratio	Lower	Upper
130	100		
95	113.7	0.0	234.4





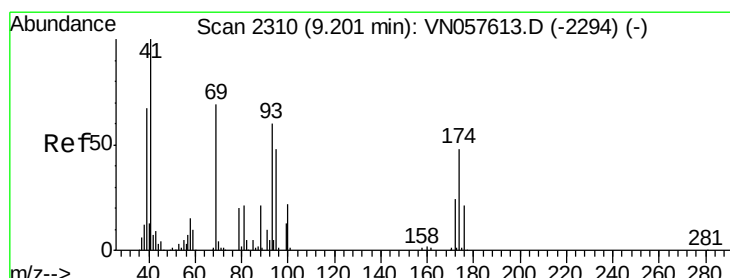
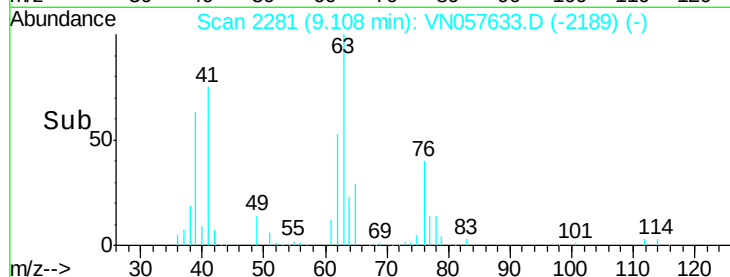
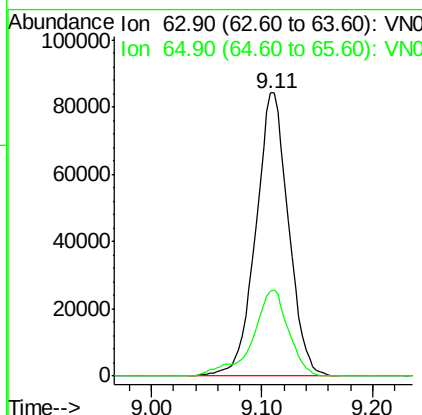
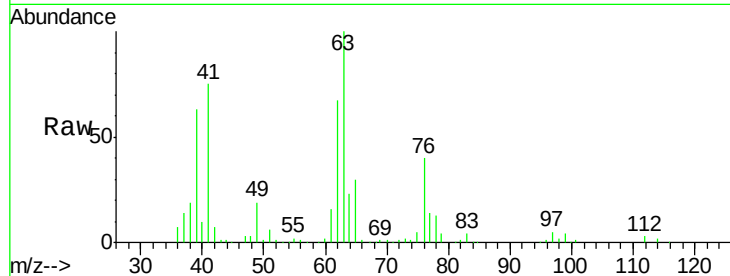
#45
 1,2-Dichloropropane
 Concen: 50.241 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 173020
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.4 36.6

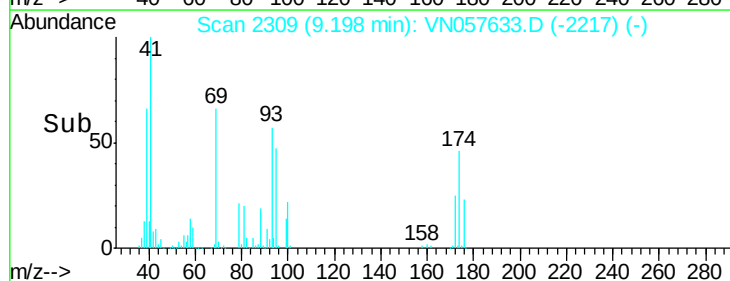
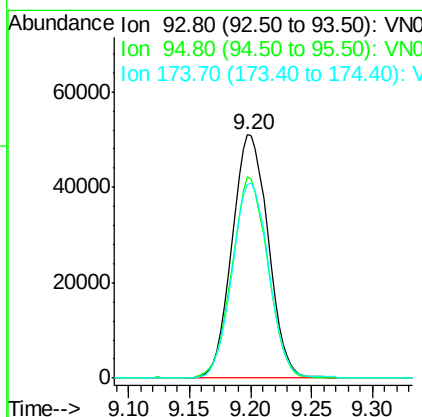
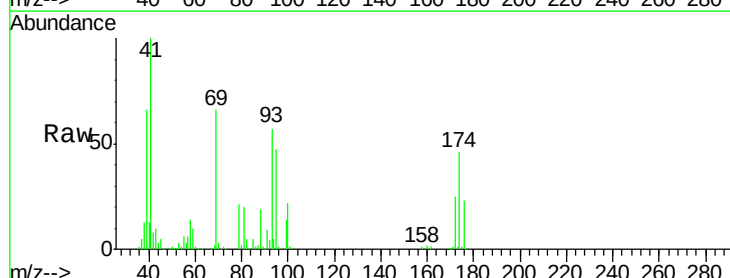
Manual Integrations
 APPROVED

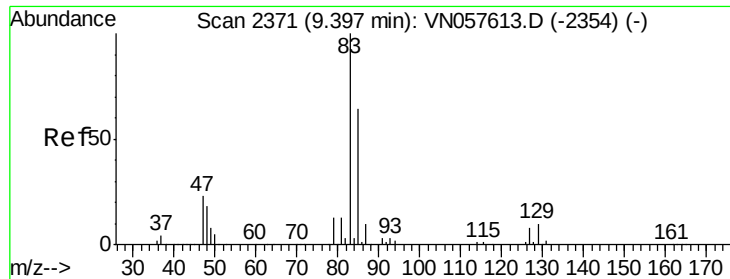
MMDadoda
 9/3/2019 11:02:46 AM



#46
 Dibromomethane
 Concen: 49.165 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Tgt Ion: 93 Resp: 104833
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.8 98.6
 174 81.2 64.2 96.2





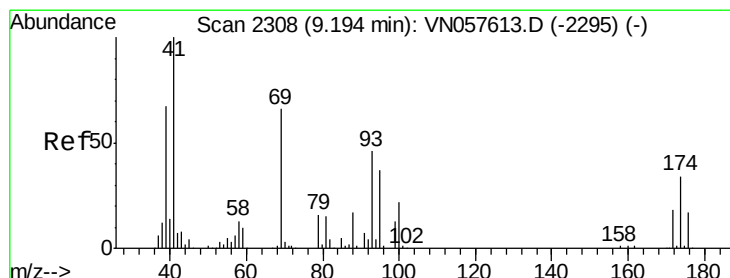
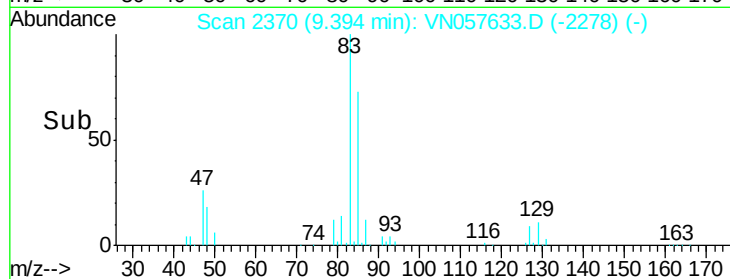
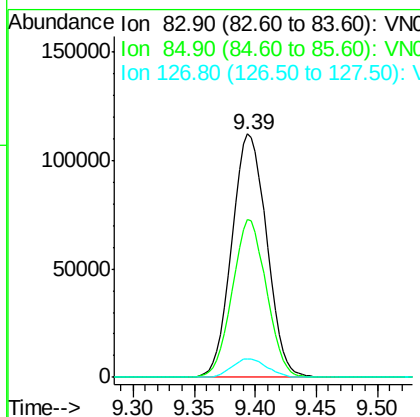
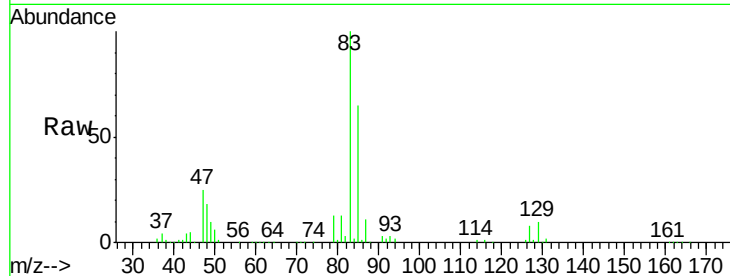
#47
Bromodichloromethane
Concen: 51.405 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	222691		
85	64.8		51.4	77.0
127	7.6		6.1	9.1

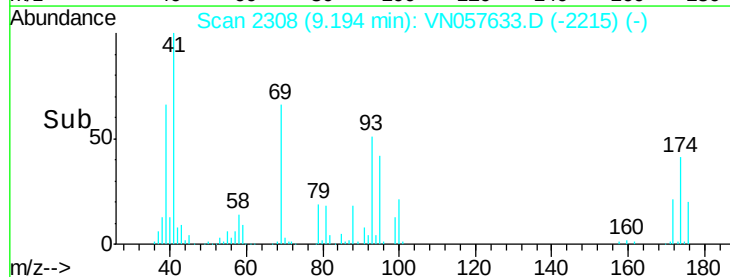
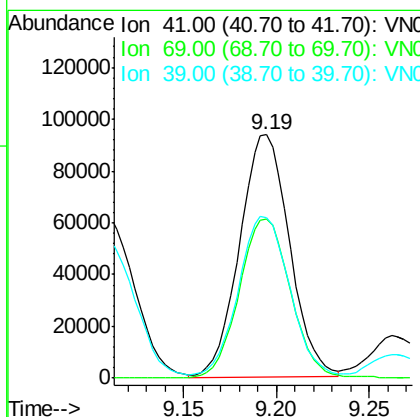
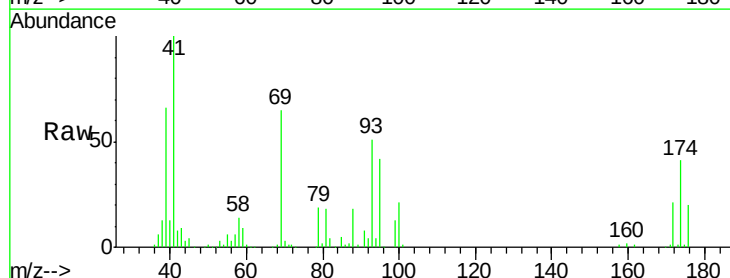
Manual Integrations
APPROVED

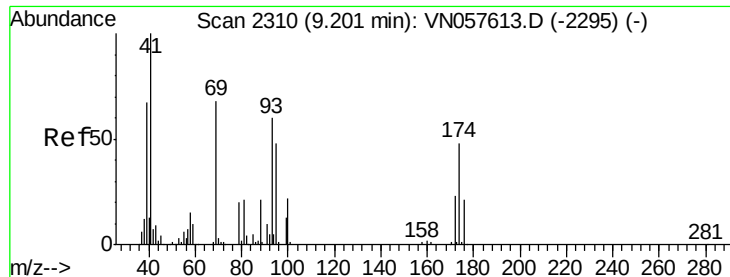
MMDadoda
9/3/2019 11:02:46 AM



#48
Methyl methacrylate
Concen: 47.334 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	175909		
69	67.2		55.1	82.7
39	68.7		55.4	83.2





#49

1,4-Dioxane

Concen: 932.153 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

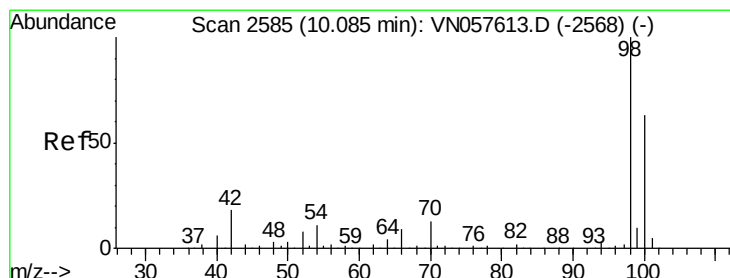
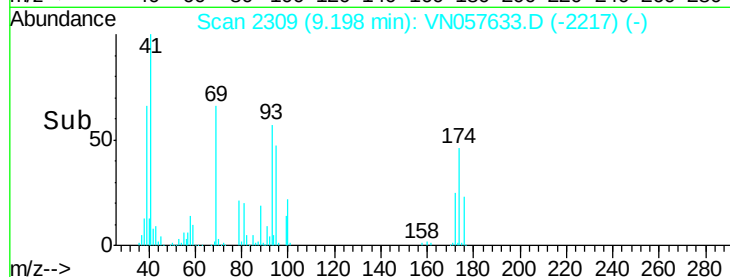
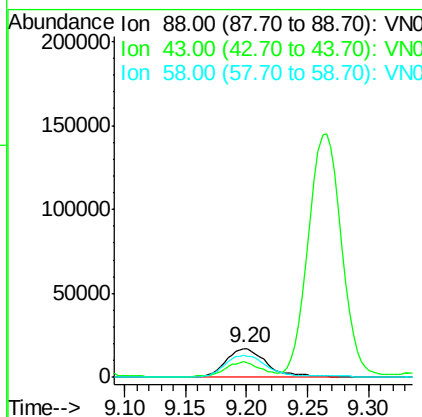
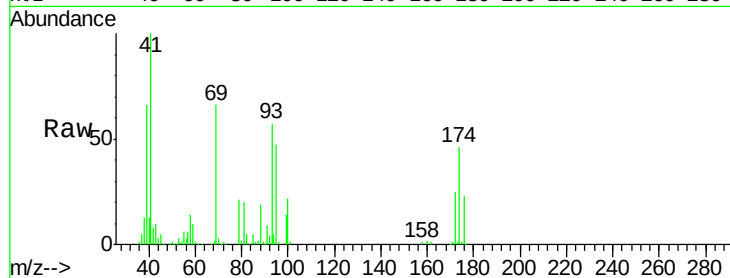
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	40565
Ion	Ratio	Lower	Upper
88	100		
43	43.8	35.0	52.4
58	75.9	61.6	92.4

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:02:46 AM



#50

Toluene-d8

Concen: 49.258 ug/l

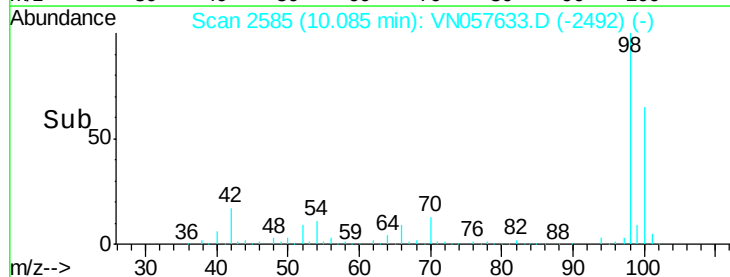
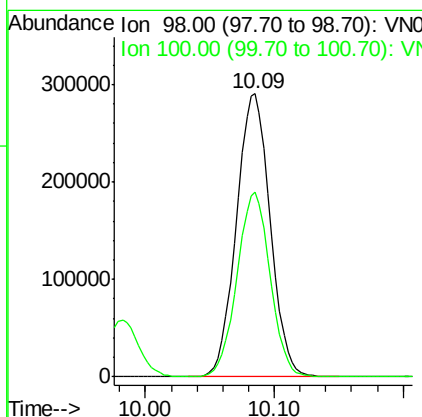
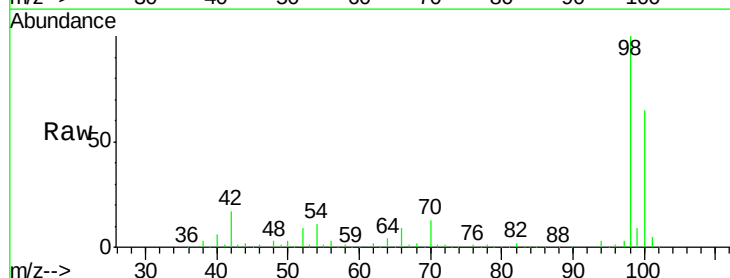
RT: 10.09 min Scan# 2585

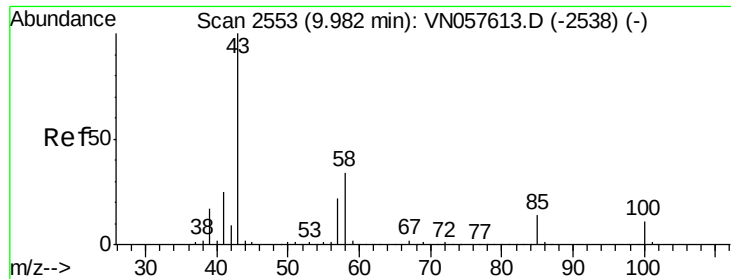
Delta R.T. 0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Tgt Ion:	98	Resp:	529071
Ion	Ratio	Lower	Upper
98	100		
100	63.7	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 237.060 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 988992

Ion Ratio Lower Upper

43 100

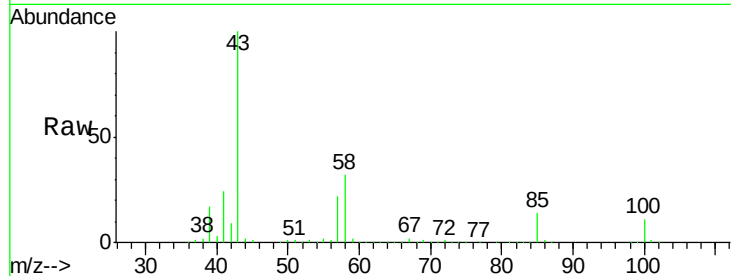
58 33.1 26.9 40.3

Manual Integrations

APPROVED

MMDadoda

9/3/2019 11:02:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

600000

500000

400000

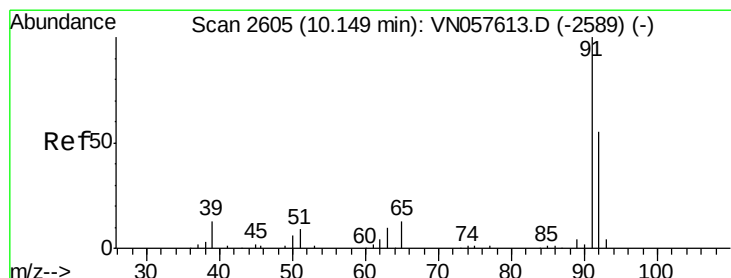
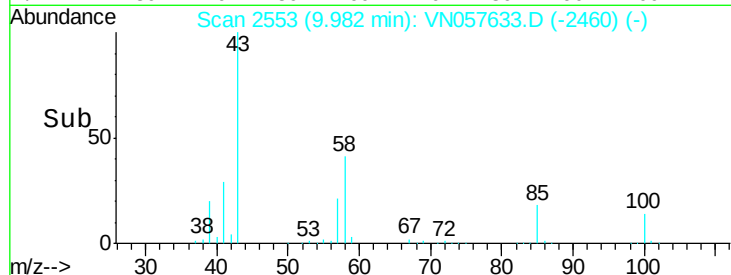
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.121 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057633.D

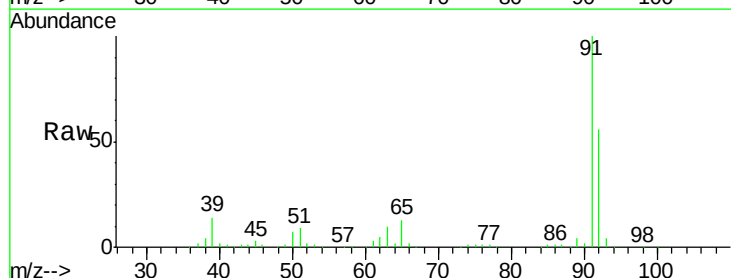
Acq: 1 Sep 2019 10:26

Tgt Ion: 92 Resp: 373553

Ion Ratio Lower Upper

92 100

91 177.4 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

400000

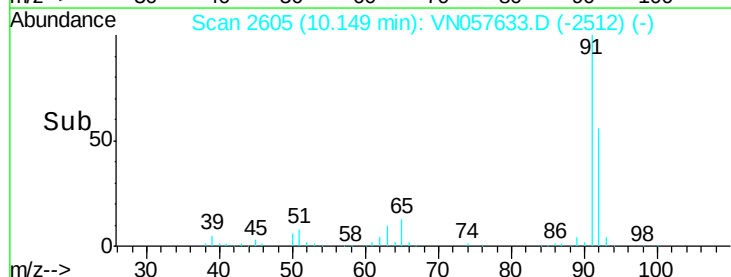
300000

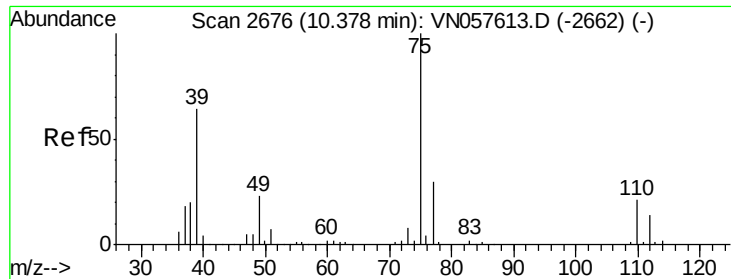
200000

100000

0

Time-->





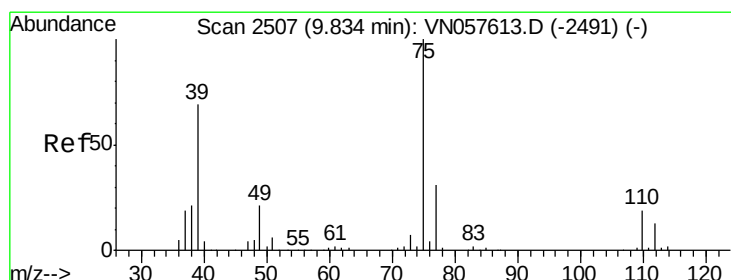
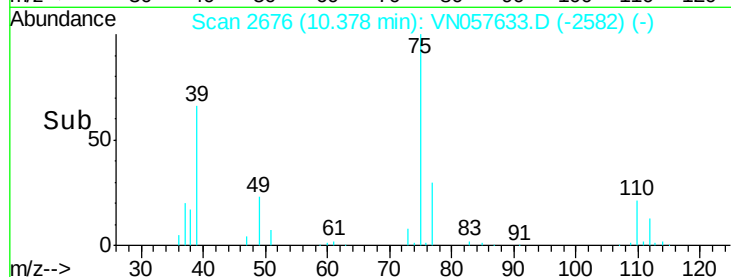
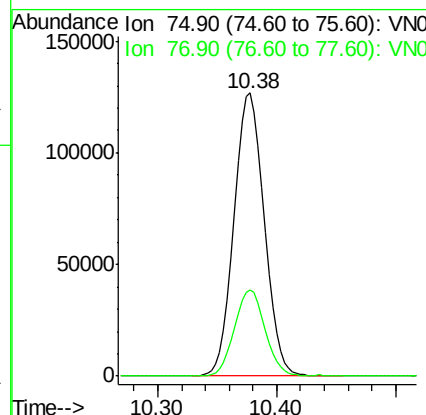
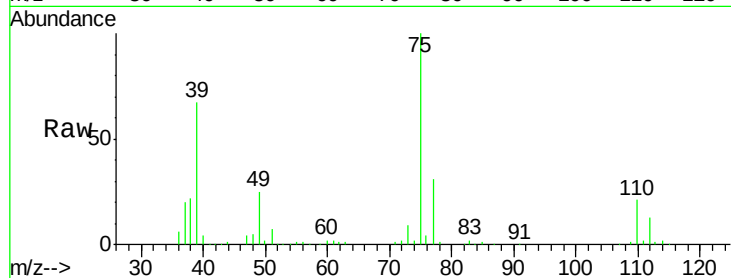
#53
t-1,3-Dichloropropene
Concen: 46.525 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 224013
Ion Ratio Lower Upper
75 100
77 30.7 24.1 36.1

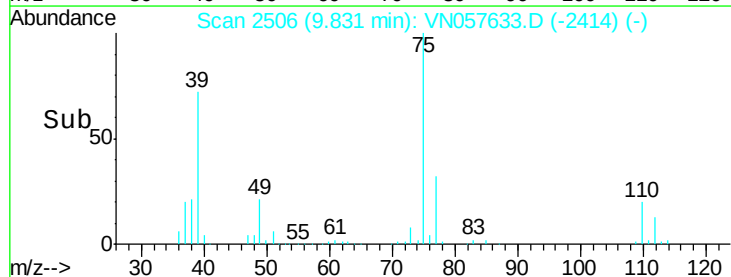
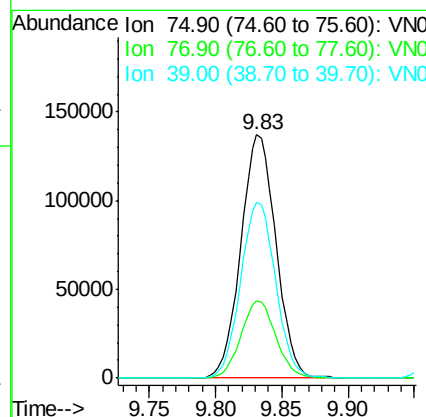
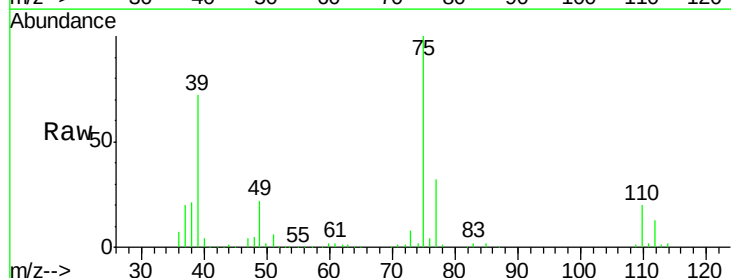
Manual Integrations
APPROVED

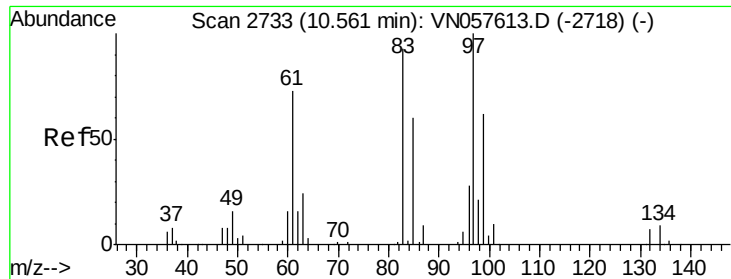
MMDadoda
9/3/2019 11:02:46 AM



#54
cis-1,3-Dichloropropene
Concen: 47.573 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion: 75 Resp: 252408
Ion Ratio Lower Upper
75 100
77 31.6 24.8 37.2
39 72.0 55.0 82.4





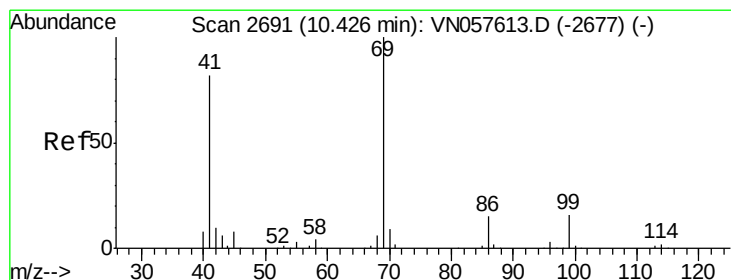
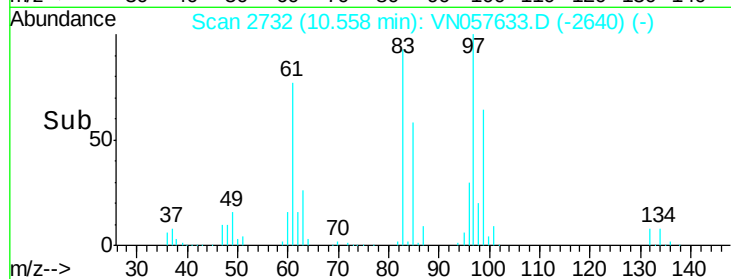
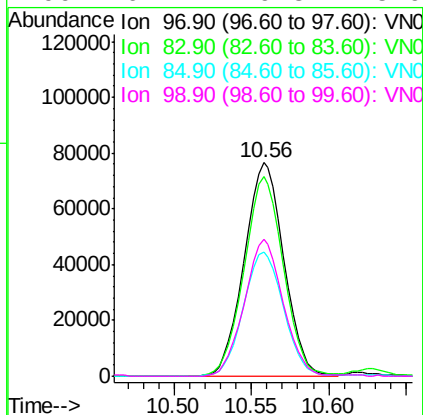
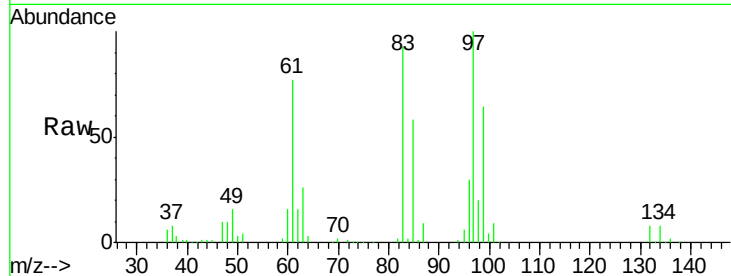
#55
 1,1,2-Trichloroethane
 Concen: 49.296 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	136670
Ion	Ratio	Lower	Upper
97	100		
83	93.4	74.2	111.2
85	58.1	47.8	71.8
99	64.1	49.3	73.9

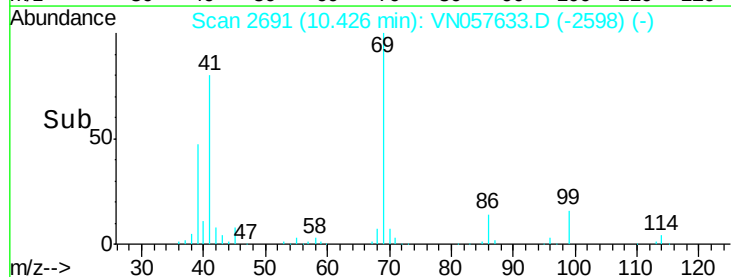
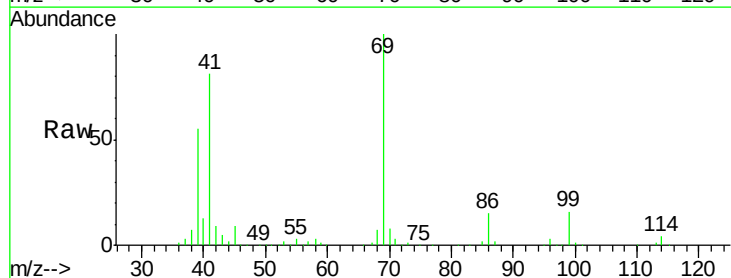
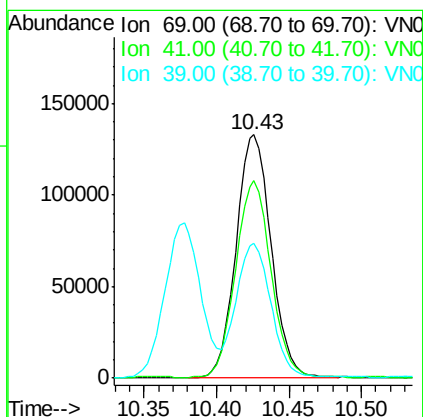
Manual Integrations
 APPROVED

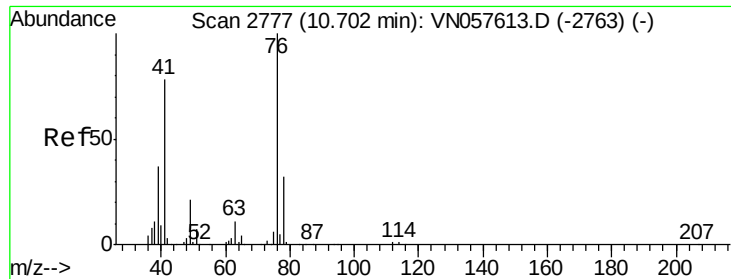
MMDadoda
 9/3/2019 11:02:46 AM



#56
 Ethyl methacrylate
 Concen: 48.337 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Tgt Ion:	69	Resp:	223636
Ion	Ratio	Lower	Upper
69	100		
41	81.0	65.8	98.6
39	53.8	43.8	65.8





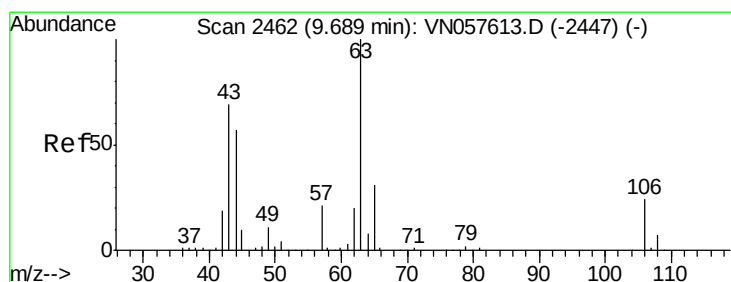
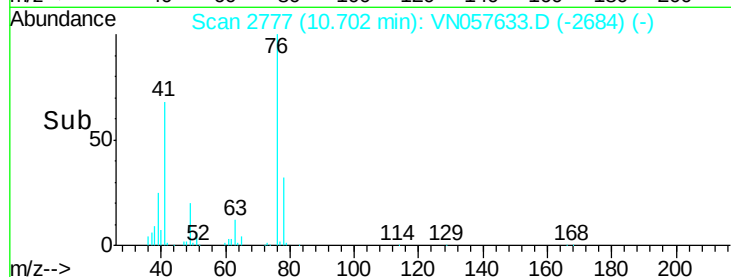
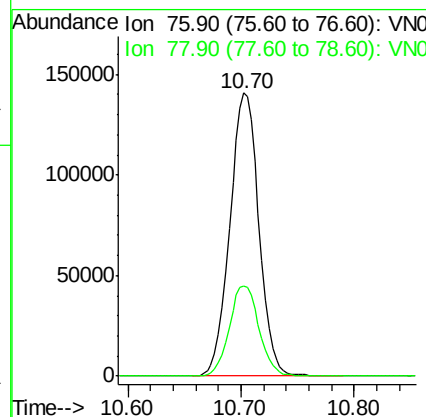
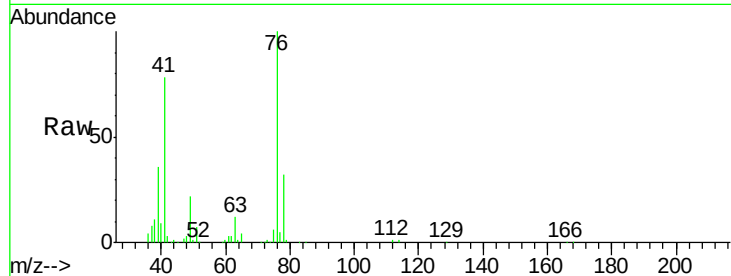
#57
 1,3-Dichloropropane
 Concen: 49.292 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 250727
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.4 38.2

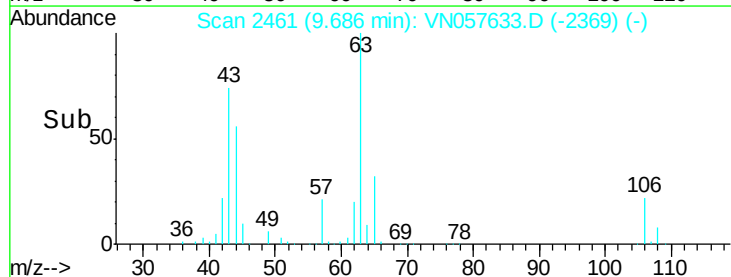
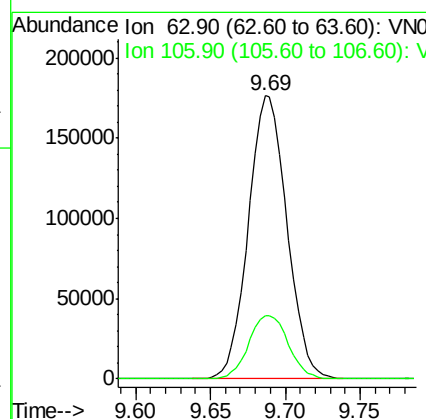
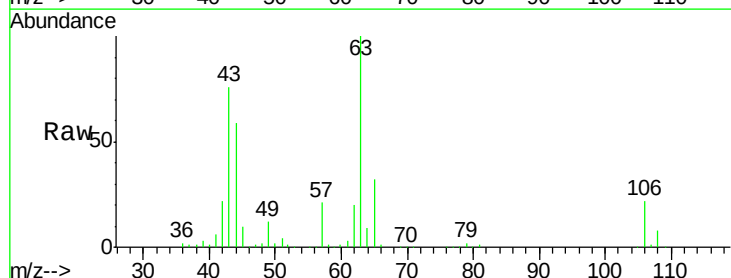
Manual Integrations
 APPROVED

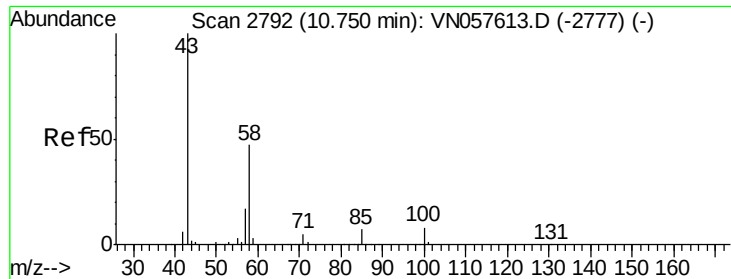
MMDadoda
 9/3/2019 11:02:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.866 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Tgt Ion: 63 Resp: 316559
 Ion Ratio Lower Upper
 63 100
 106 23.0 18.3 27.5





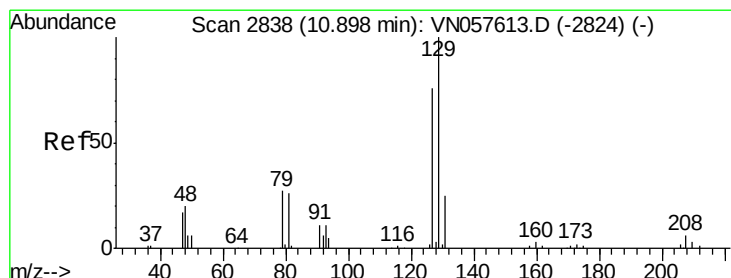
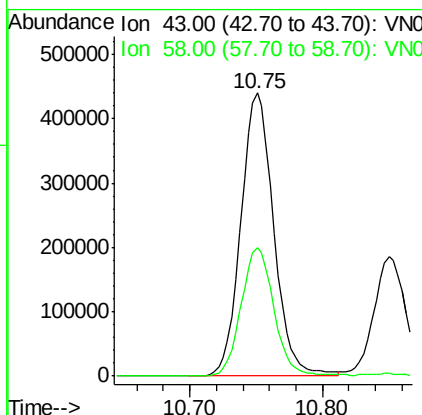
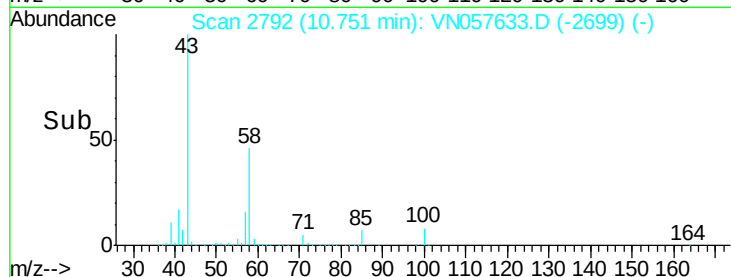
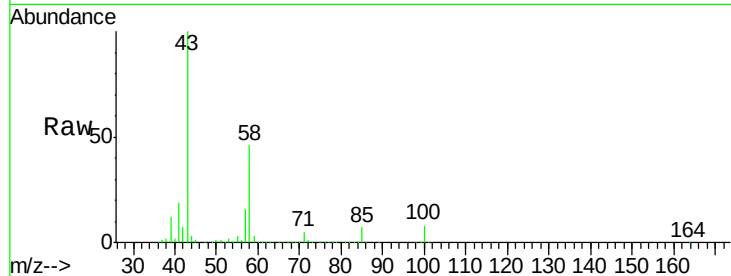
#59
2-Hexanone
Concen: 246.203 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 754285
Ion Ratio Lower Upper
43 100
58 45.6 23.5 70.5

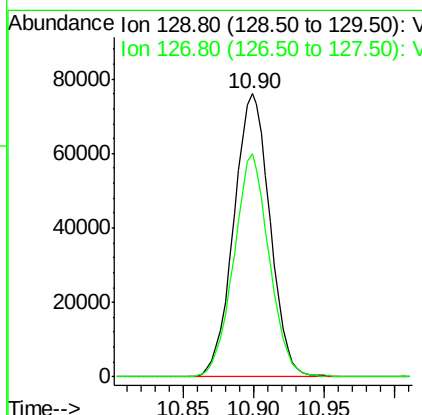
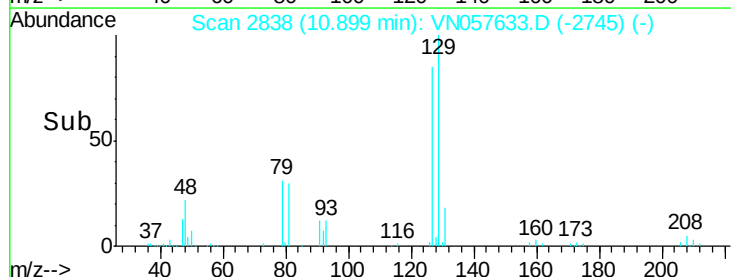
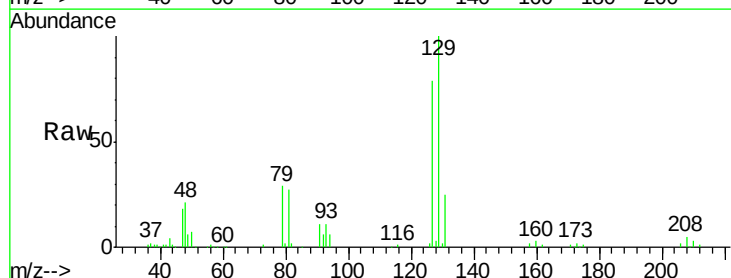
Manual Integrations
APPROVED

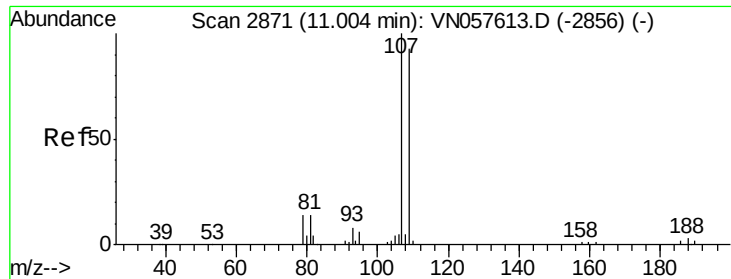
MMDadoda
9/3/2019 11:02:46 AM



#60
Dibromochloromethane
Concen: 45.314 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion: 129 Resp: 136637
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





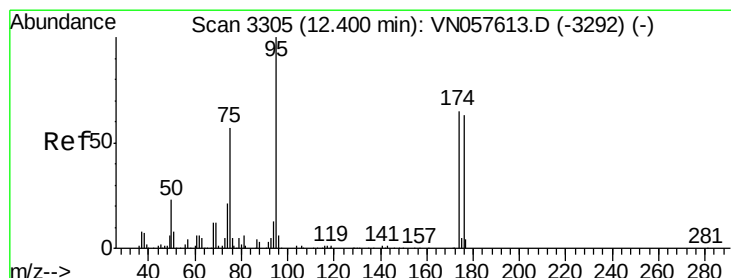
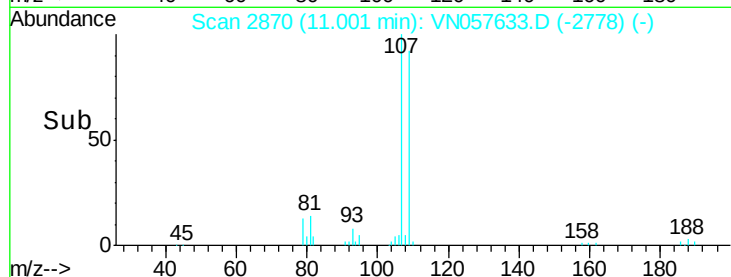
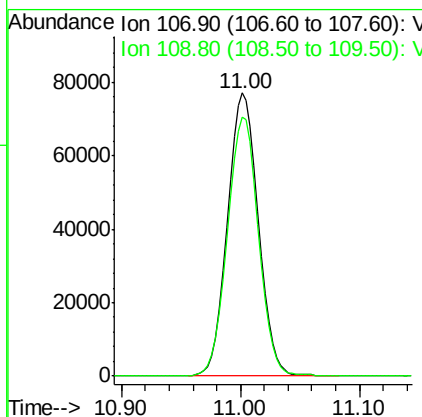
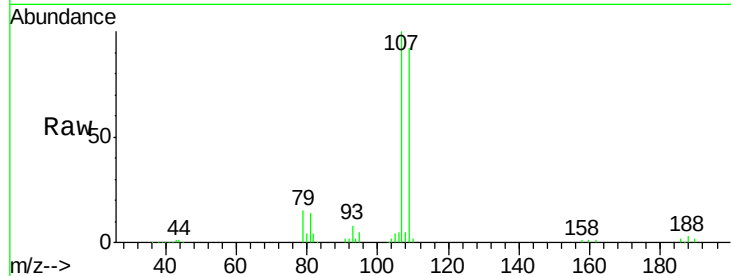
#61
 1,2-Dibromoethane
 Concen: 49.515 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	138228		
109	92.6	75.0	112.4	

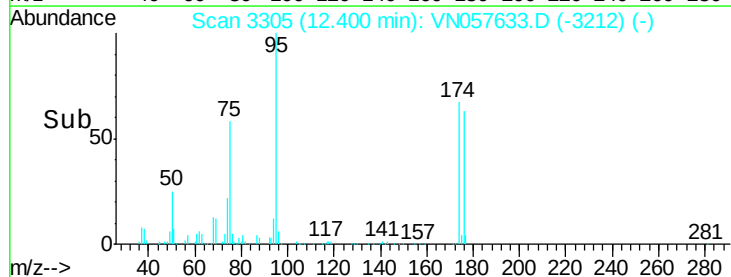
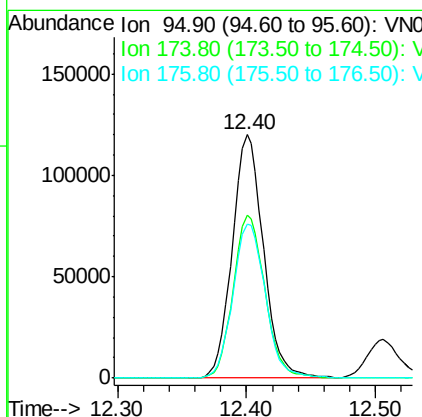
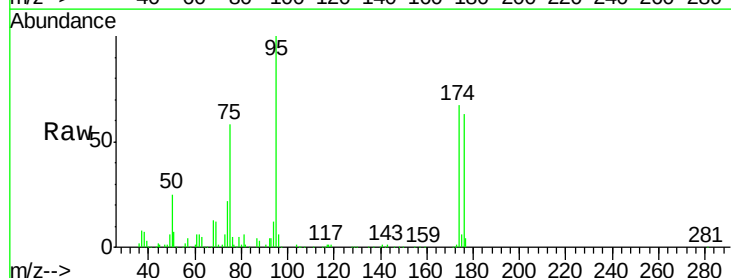
Manual Integrations
 APPROVED

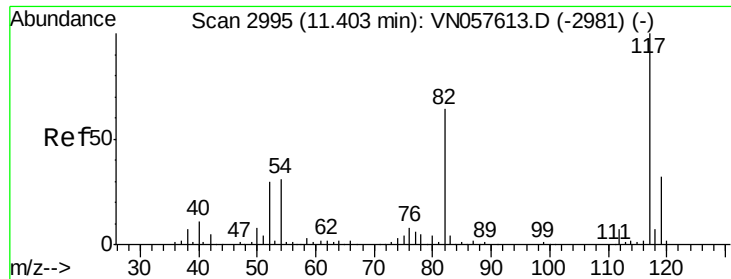
MMDadoda
 9/3/2019 11:02:46 AM



#62
 4-Bromofluorobenzene
 Concen: 49.397 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	201753		
174	68.1	0.0	134.8	
176	66.0	0.0	131.6	





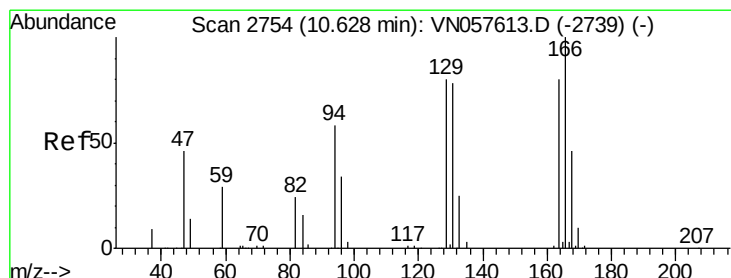
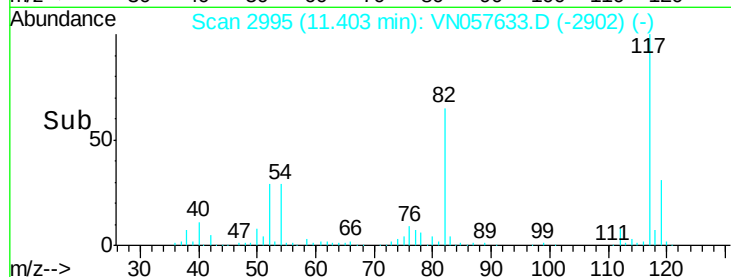
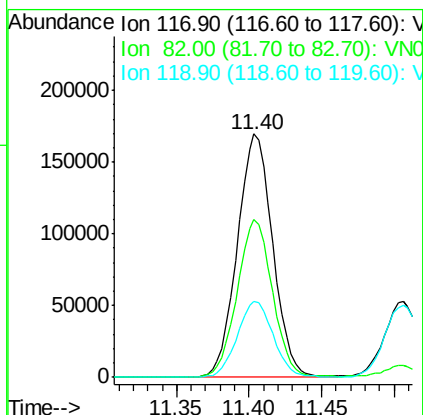
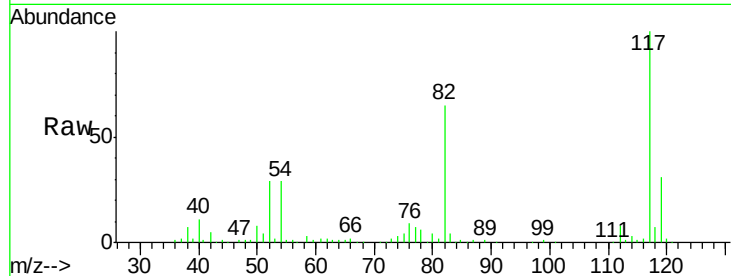
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	288137		
82	64.6	51.6	77.4	
119	31.4	25.8	38.6	

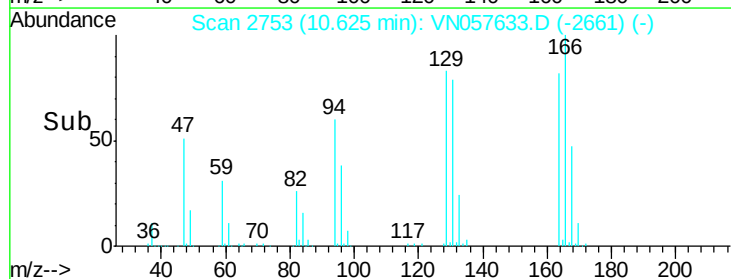
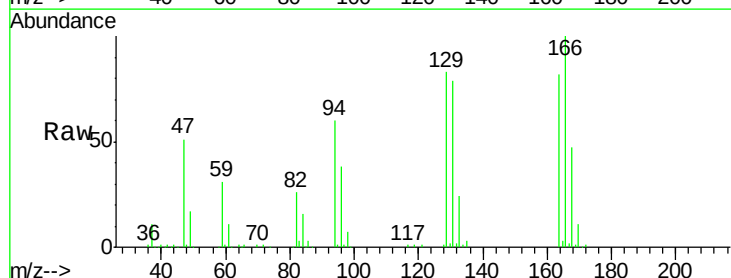
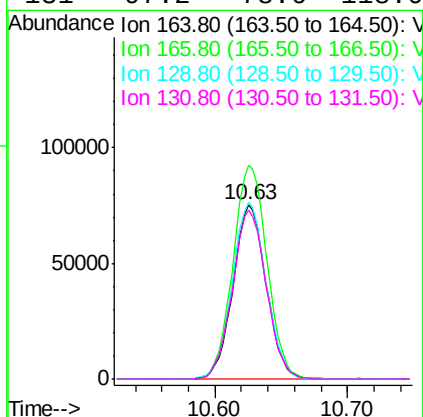
Manual Integrations
APPROVED

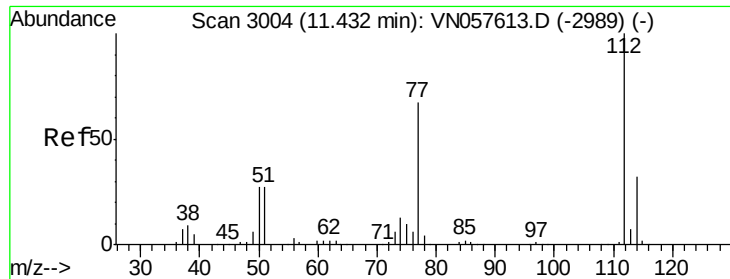
MMDadoda
9/3/2019 11:02:46 AM



#64
Tetrachloroethene
Concen: 52.166 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	130151		
166	122.6	100.6	151.0	
129	101.6	80.4	120.6	
131	97.2	78.6	118.0	





#65

Chlorobenzene

Concen: 51.450 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 371477

Ion Ratio Lower Upper

112 100

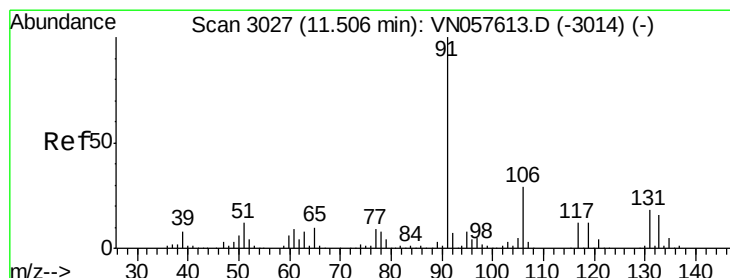
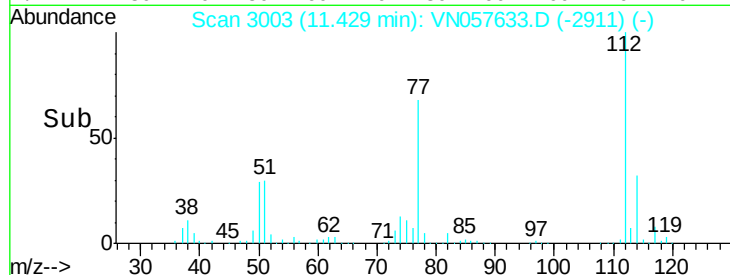
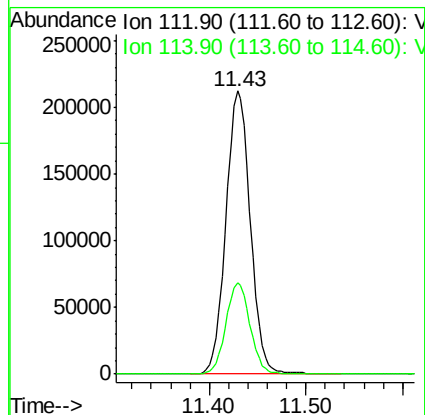
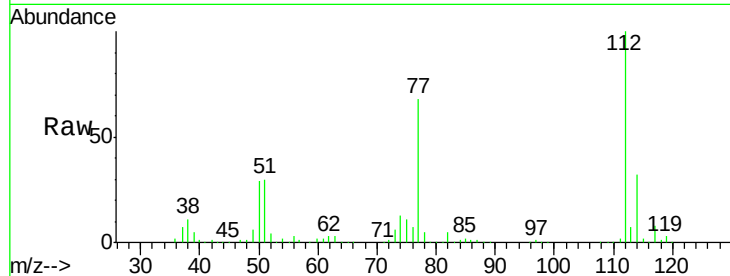
114 32.3 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

9/3/2019 11:02:46 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 51.272 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

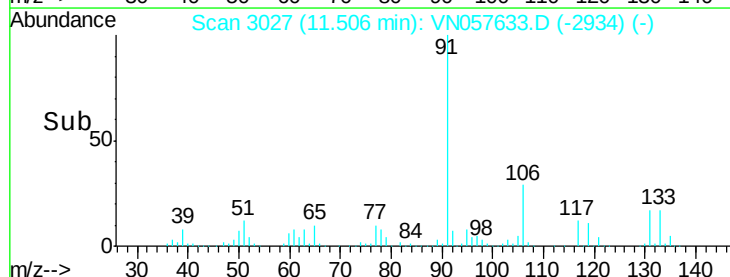
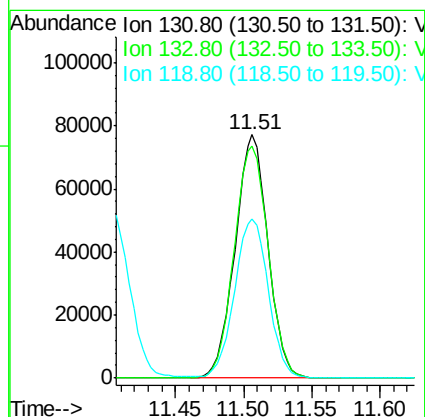
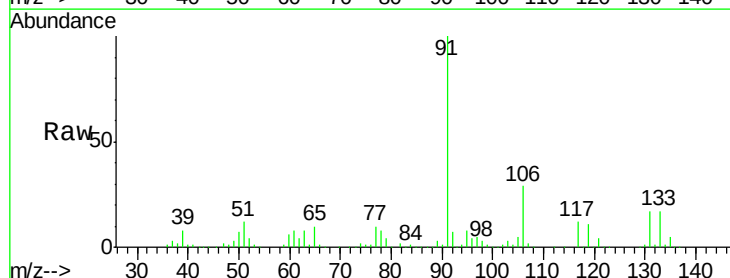
Tgt Ion:131 Resp: 129108

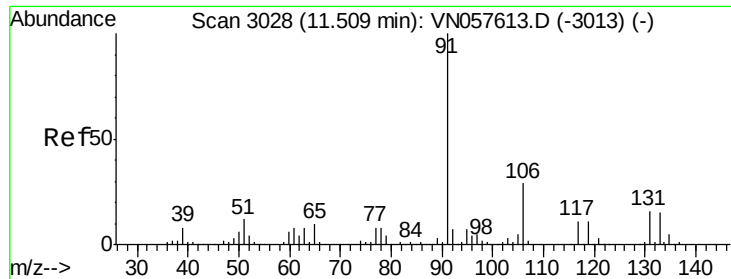
Ion Ratio Lower Upper

131 100

133 98.7 47.8 143.4

119 67.3 33.9 101.6





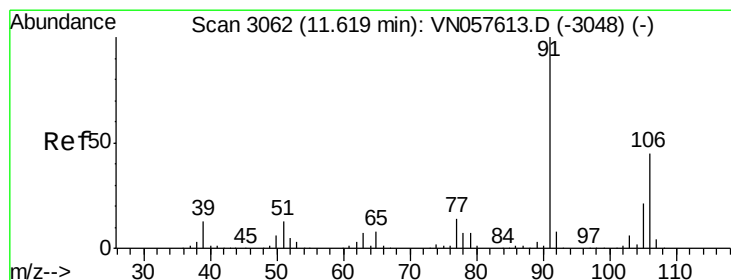
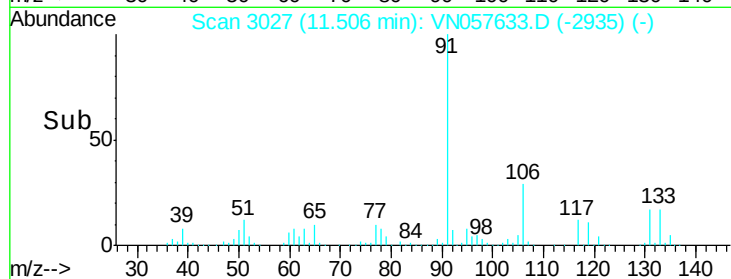
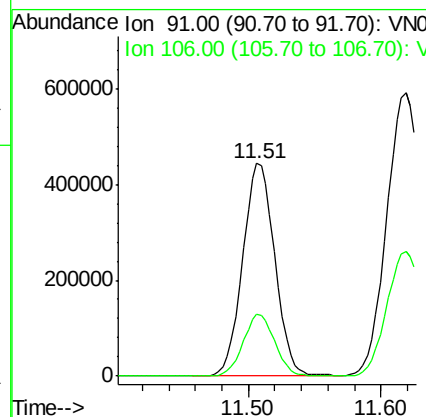
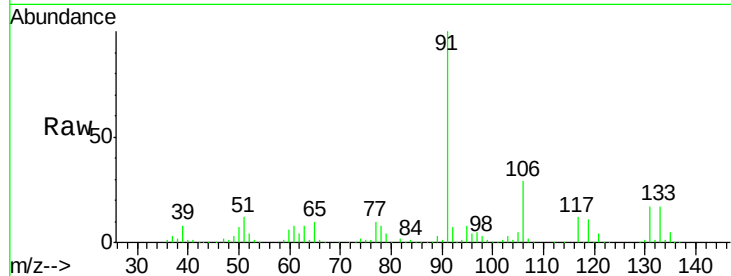
#67
Ethyl Benzene
Concen: 53.240 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 746880
Ion Ratio Lower Upper
91 100
106 29.0 22.9 34.3

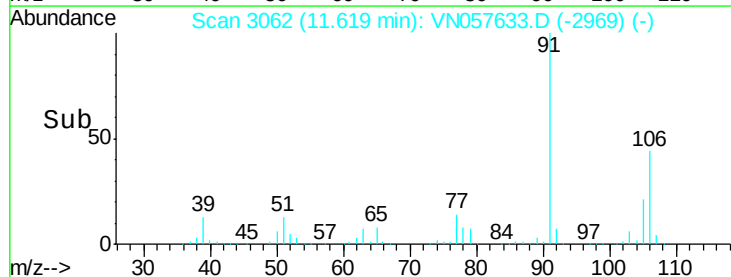
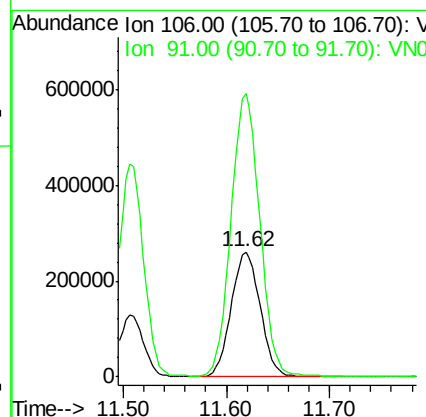
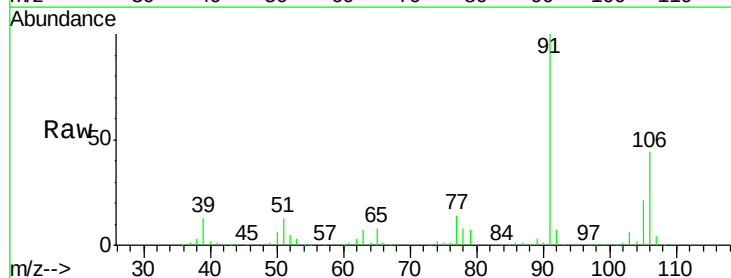
Manual Integrations
APPROVED

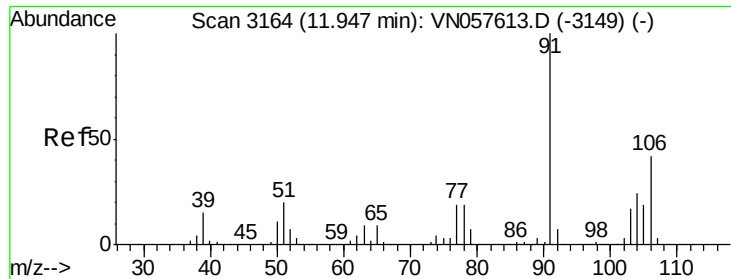
MMDadoda
9/3/2019 11:02:46 AM



#68
m/p-Xylenes
Concen: 103.779 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion: 106 Resp: 512899
Ion Ratio Lower Upper
106 100
91 225.3 176.2 264.2





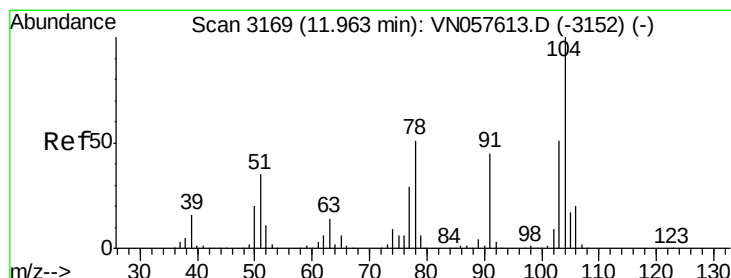
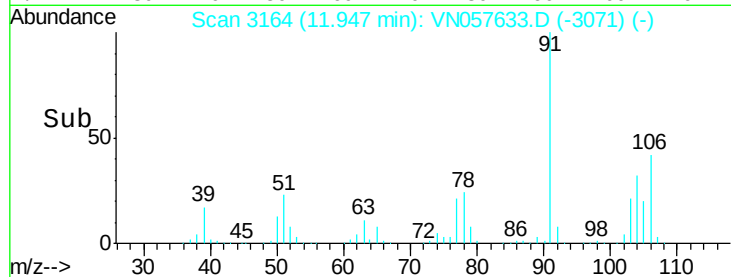
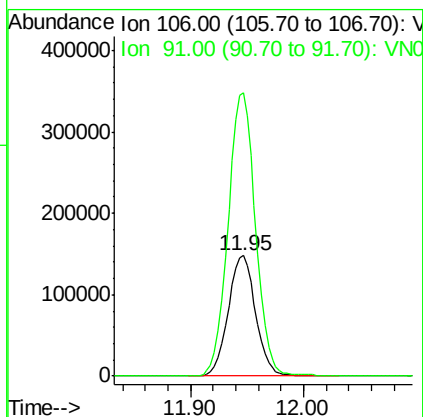
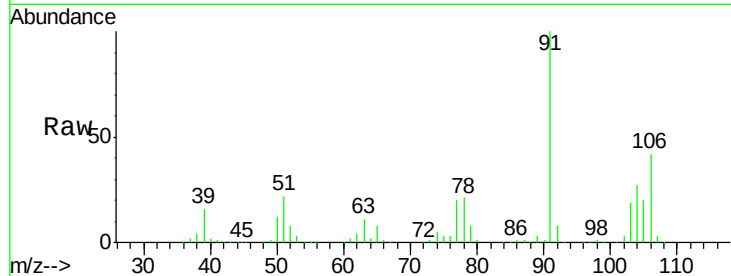
#69
o-Xylene
Concen: 52.066 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 249377
Ion Ratio Lower Upper
106 100
91 235.4 117.3 351.8

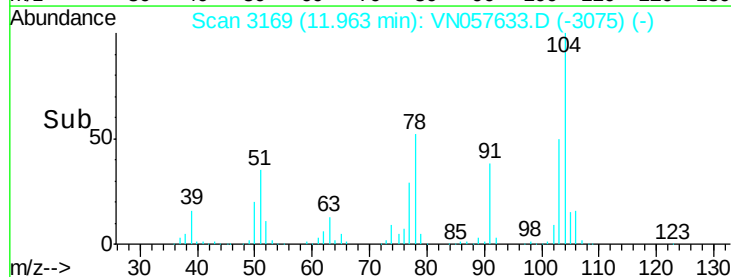
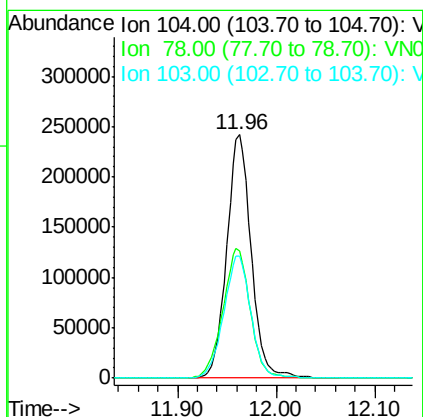
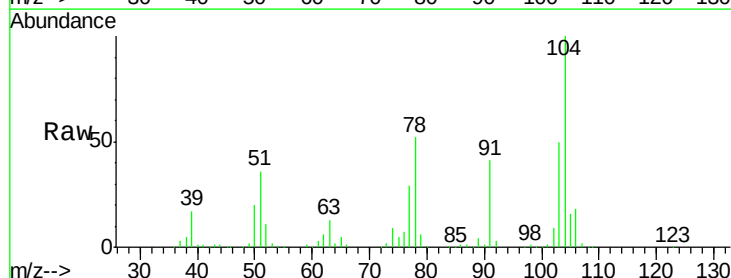
Manual Integrations
APPROVED

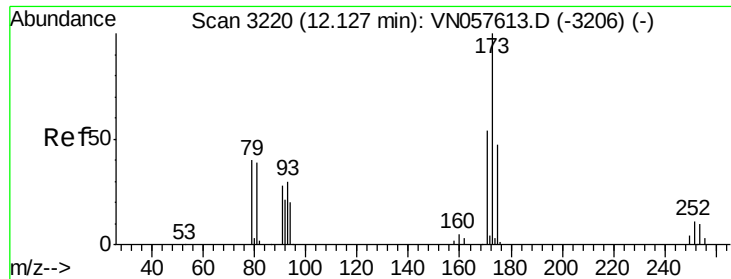
MMDadoda
9/3/2019 11:02:46 AM



#70
Styrene
Concen: 48.998 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion:104 Resp: 421905
Ion Ratio Lower Upper
104 100
78 59.7 46.6 70.0
103 55.7 44.7 67.1





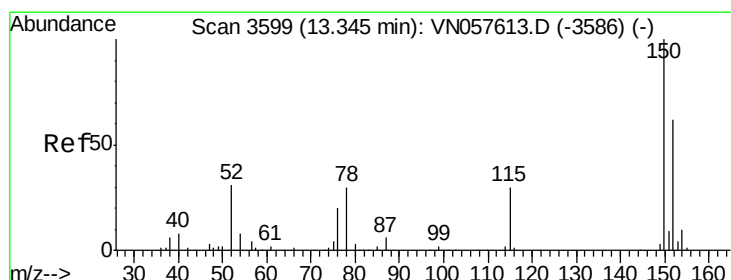
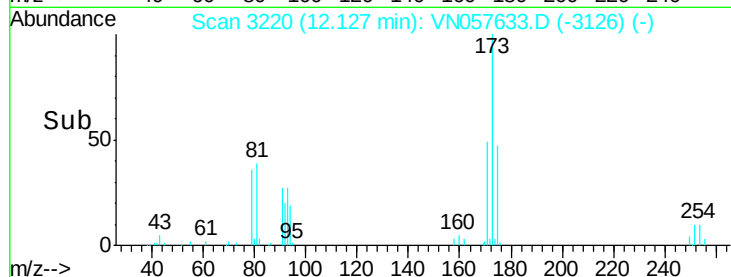
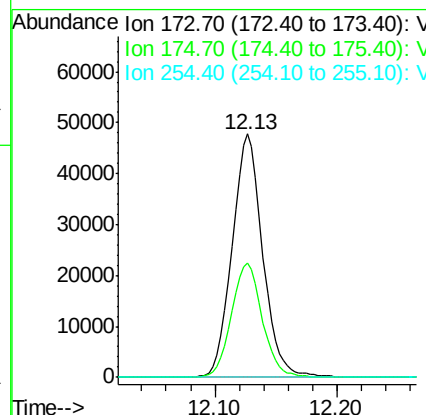
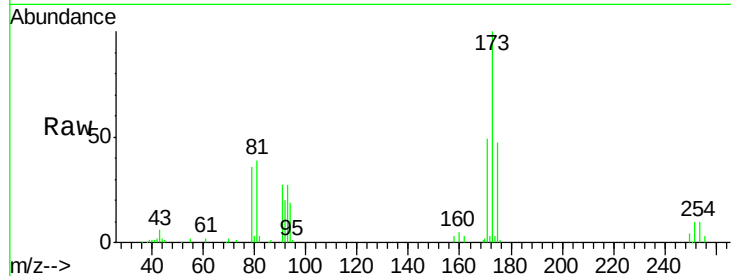
#71
Bromoform
Concen: 45.209 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.4	73.4
254	0.0	0.0	0.0

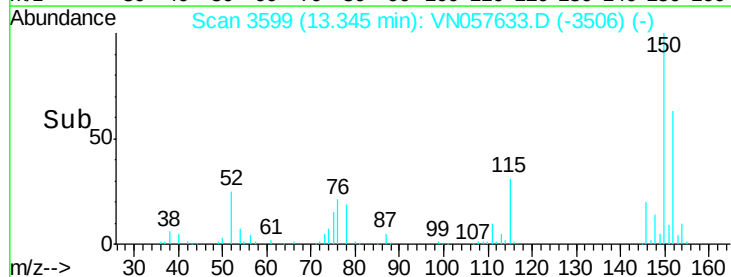
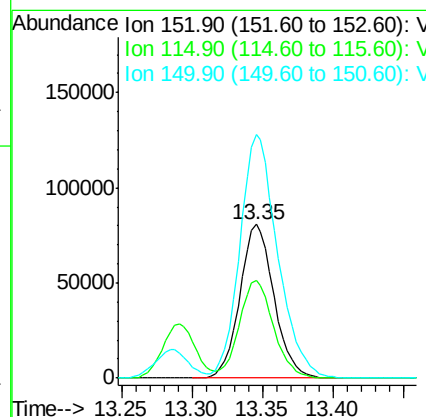
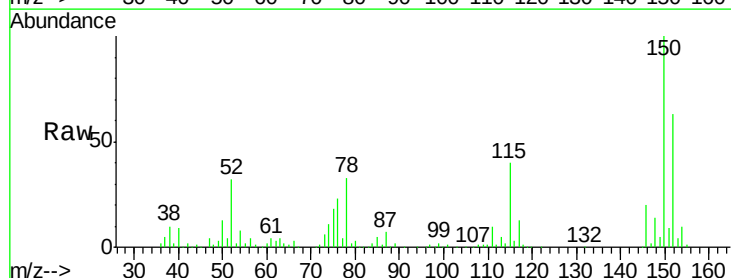
Manual Integrations
APPROVED

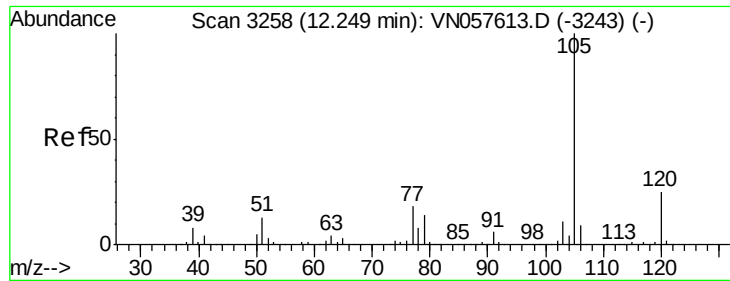
MMDadoda
9/3/2019 11:02:46 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	33.2	99.6
150	175.5	0.0	365.2





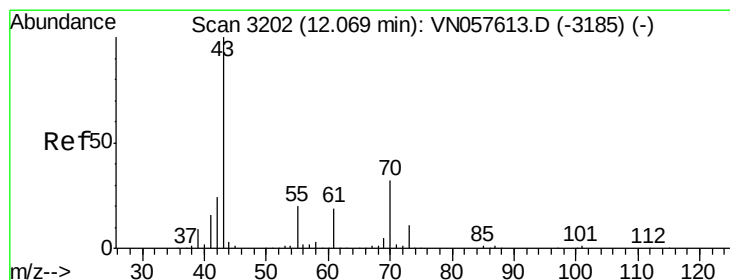
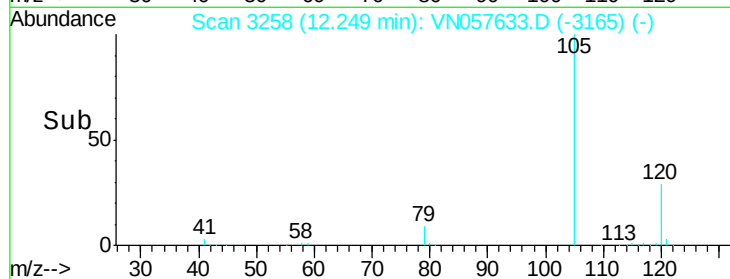
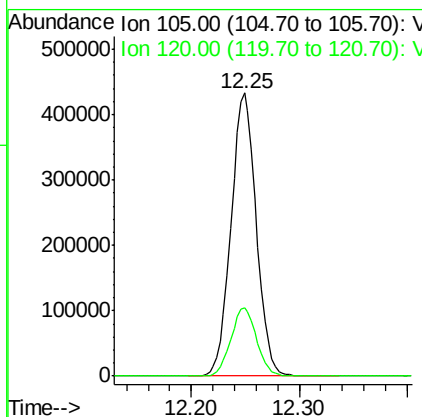
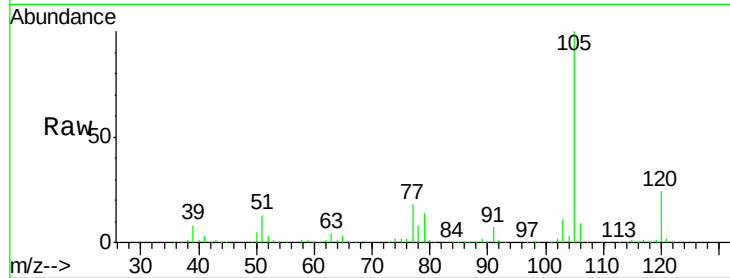
#73
Isopropylbenzene
Concen: 51.040 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.6	12.7	38.1

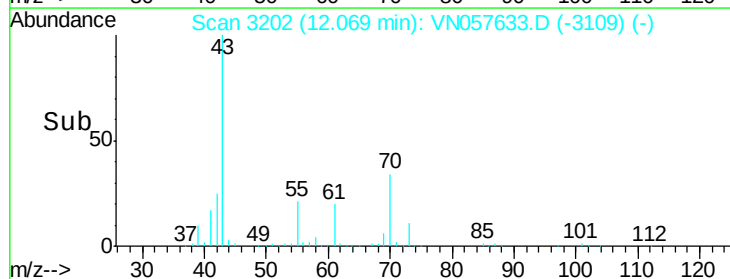
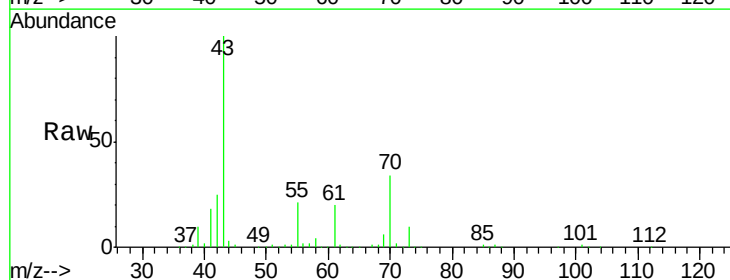
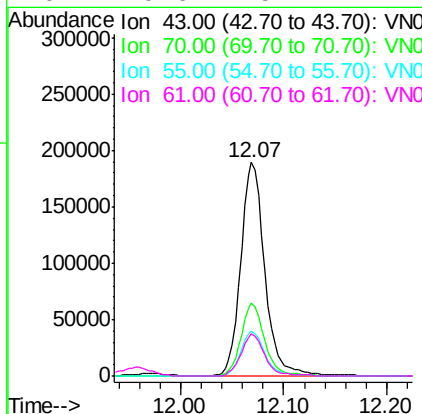
Manual Integrations
APPROVED

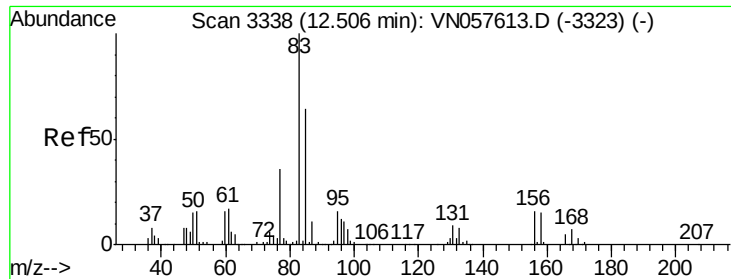
MMDadoda
9/3/2019 11:02:46 AM



#74
N-ethyl acetate
Concen: 46.943 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	33.8	26.9	40.3
55	21.4	16.8	25.2
61	19.6	15.1	22.7





#75

1,1,2,2-Tetrachloroethane

Concen: 46.931 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

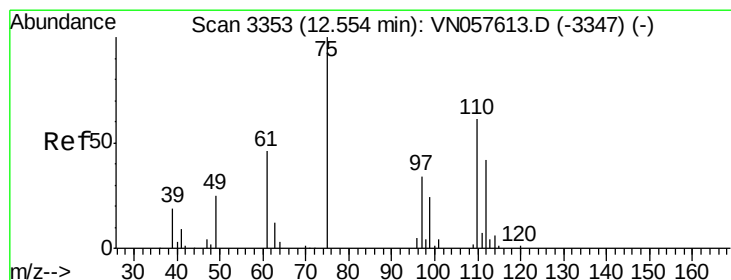
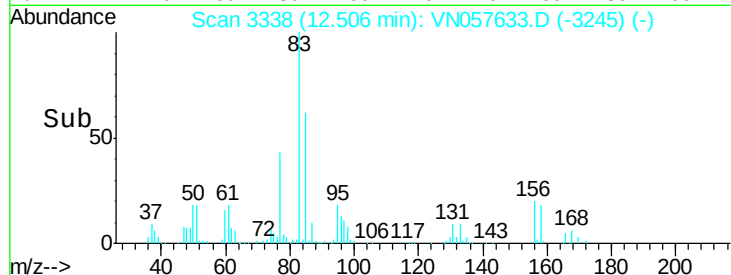
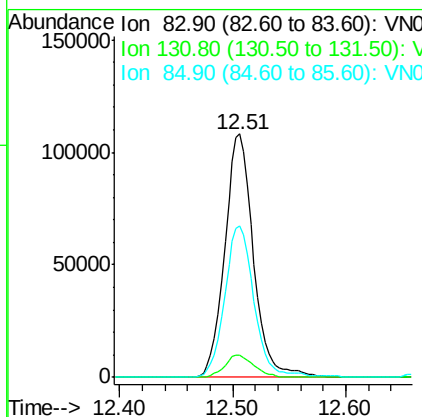
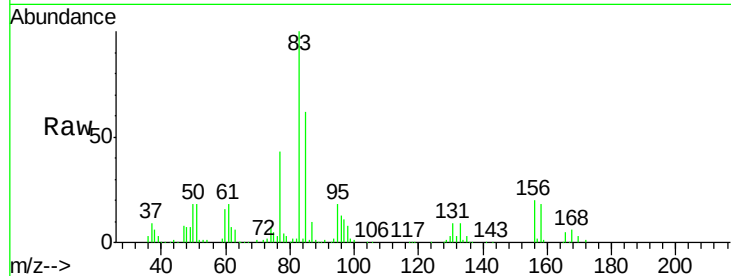
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	191096
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.5	13.7
85	63.4	31.3	93.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:02:46 AM



#76

1,2,3-Trichloropropane

Concen: 47.242 ug/l m

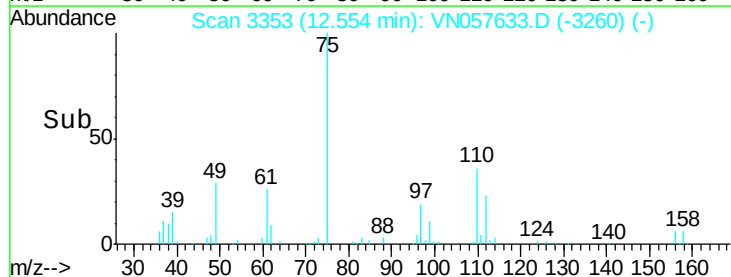
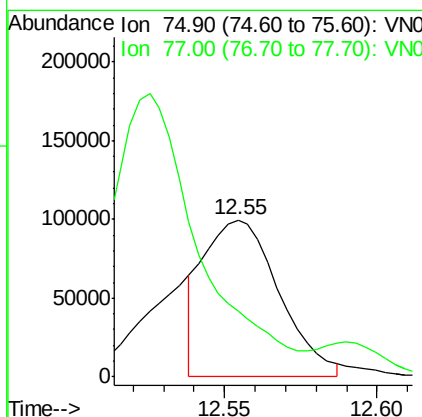
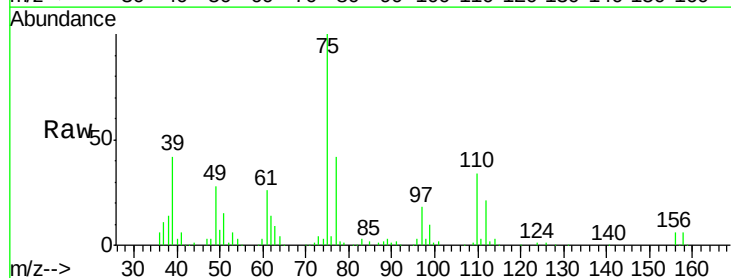
RT: 12.55 min Scan# 3353

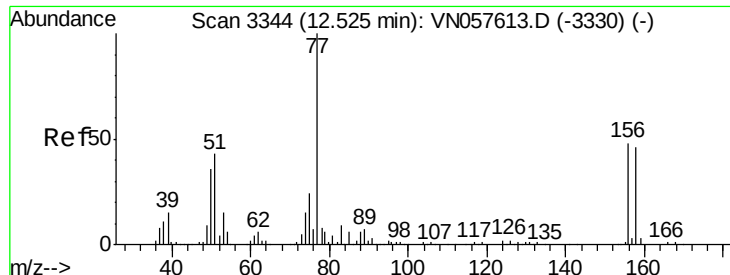
Delta R.T. 0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Tgt Ion:	75	Resp:	170044
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





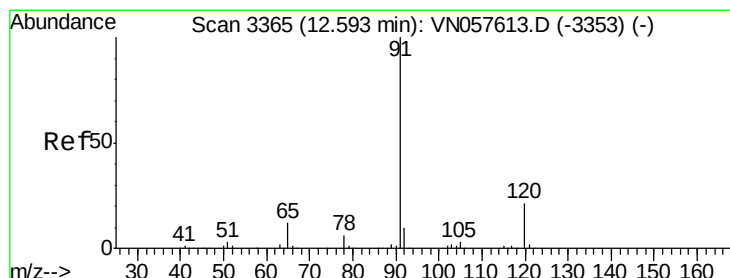
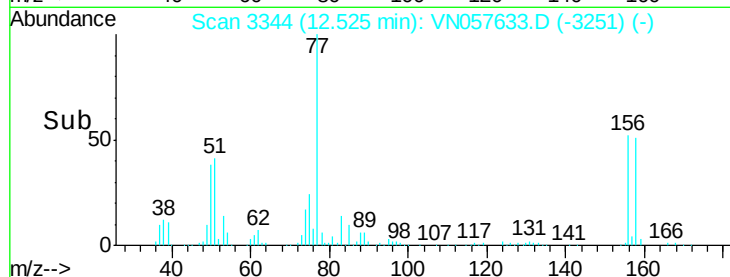
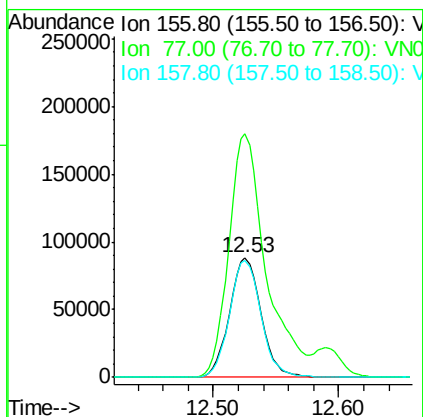
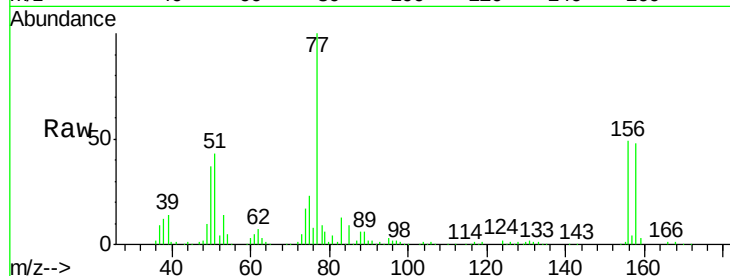
#77
Bromobenzene
Concen: 52.445 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	240.6	123.5	370.5
158	97.9	47.8	143.3

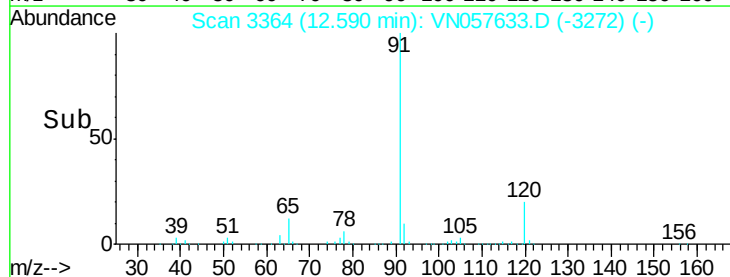
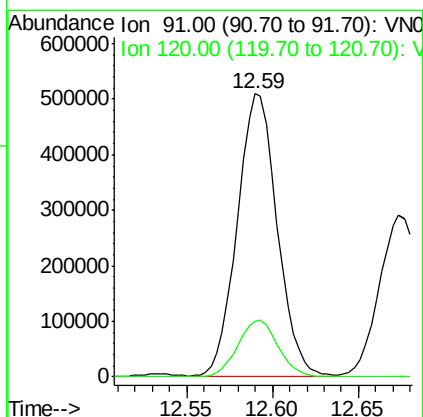
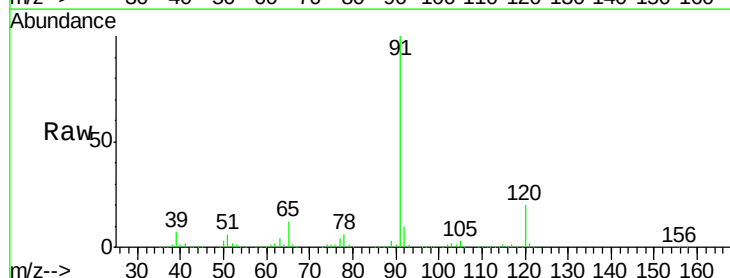
Manual Integrations
APPROVED

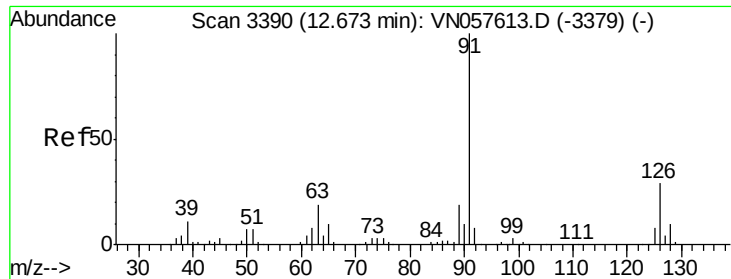
MMDadoda
9/3/2019 11:02:46 AM



#78
n-propylbenzene
Concen: 53.088 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.4	10.4	31.4





#79

2-Chlorotoluene

Concen: 51.460 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 493415

Ion Ratio Lower Upper

91 100

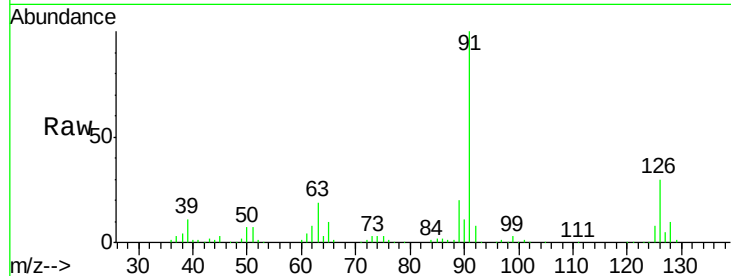
126 30.2 14.9 44.5

Manual Integrations

APPROVED

MMDadoda

9/3/2019 11:02:46 AM



Abundance Ion 91.00 (90.70 to 91.70): VN057633.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN057633.D (-3379) (-)

12.67

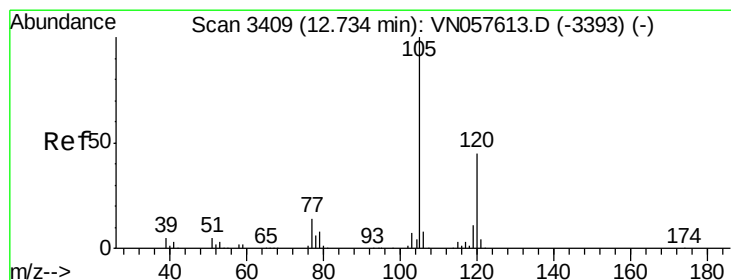
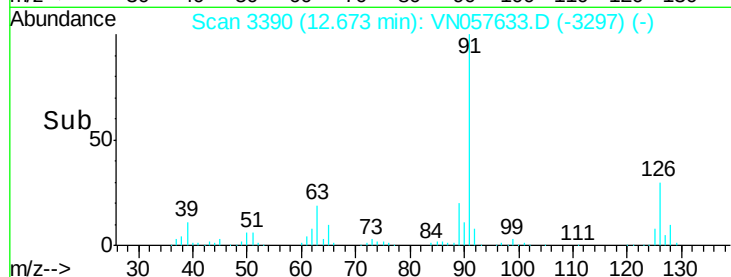
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.198 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057633.D

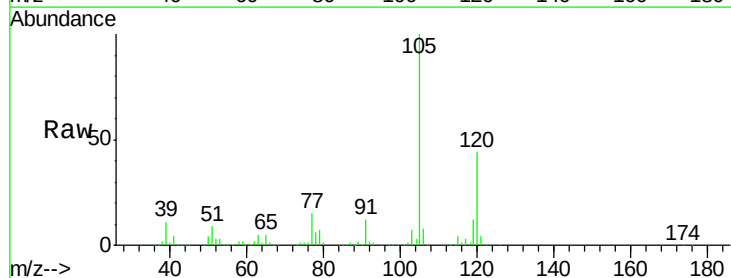
Acq: 1 Sep 2019 10:26

Tgt Ion: 105 Resp: 604634

Ion Ratio Lower Upper

105 100

120 44.6 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): VN057633.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057633.D (-3393) (-)

12.73

400000

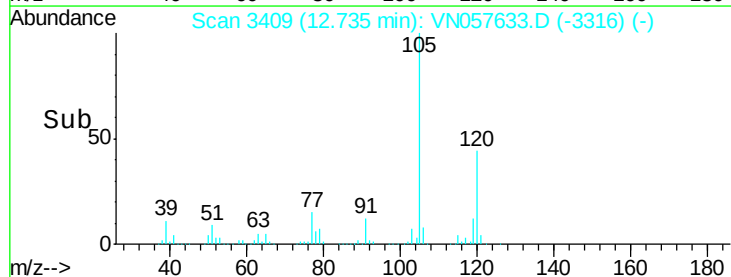
300000

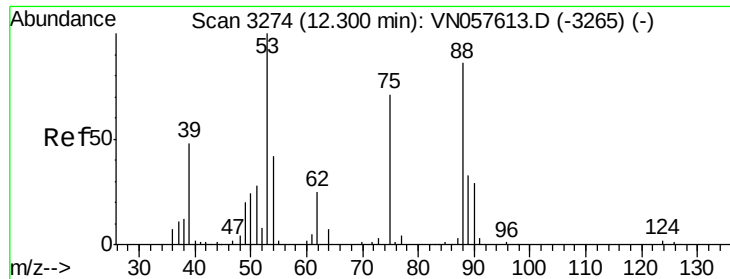
200000

100000

0

Time-->





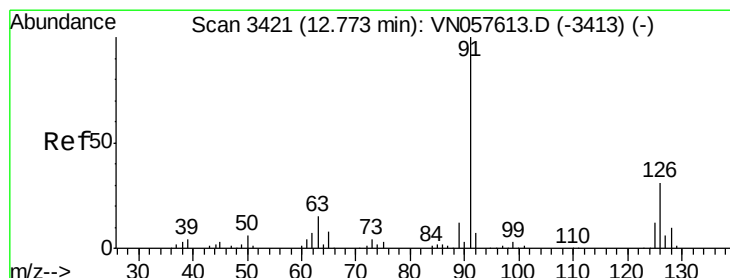
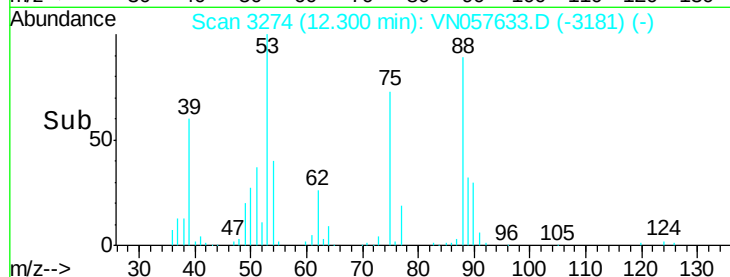
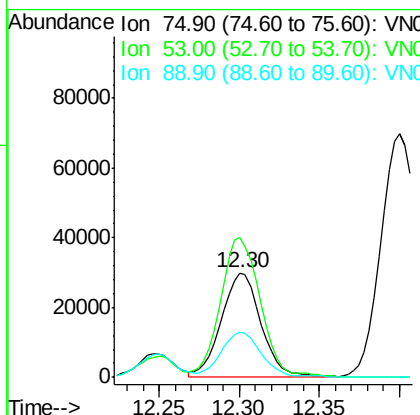
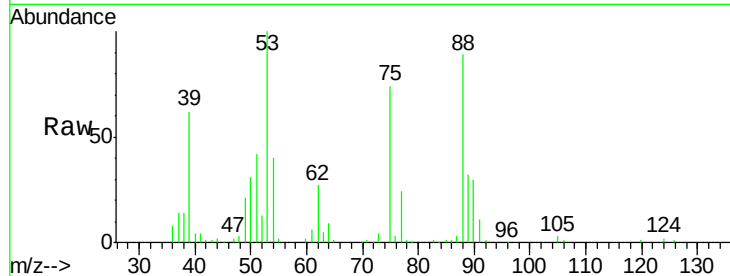
#81
trans-1,4-Dichloro-2-butene
Concen: 46.800 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	139.4	111.0	166.6
89	46.0	38.3	57.5

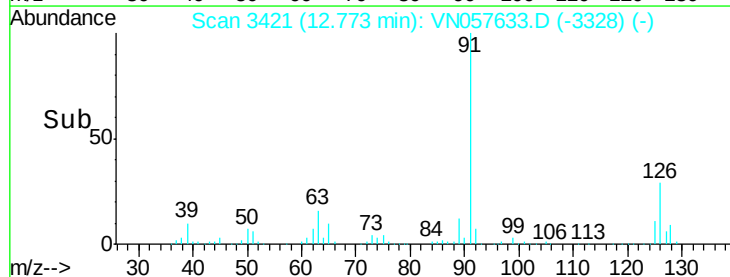
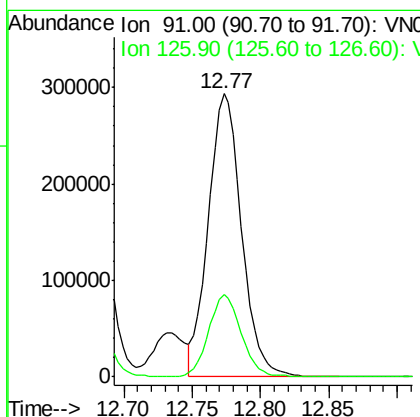
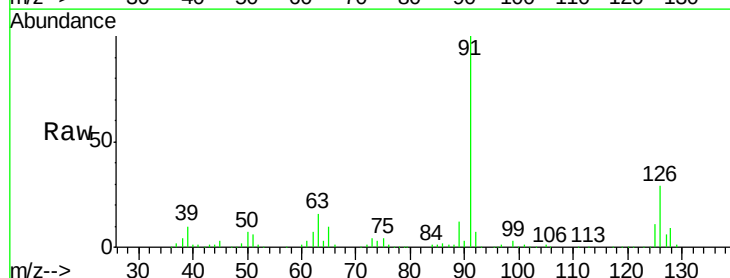
Manual Integrations
APPROVED

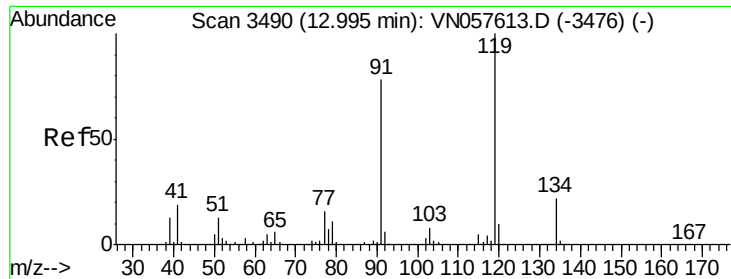
MMDadoda
9/3/2019 11:02:46 AM



#82
4-Chlorotoluene
Concen: 52.034 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057633.D
Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.4	43.2





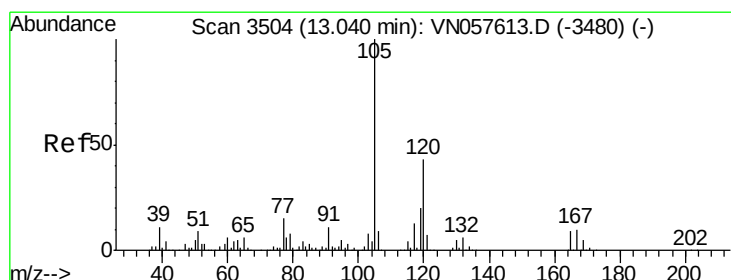
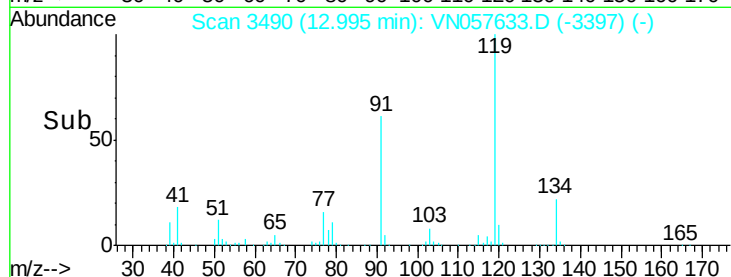
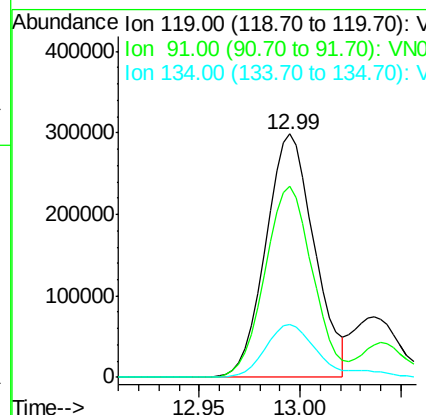
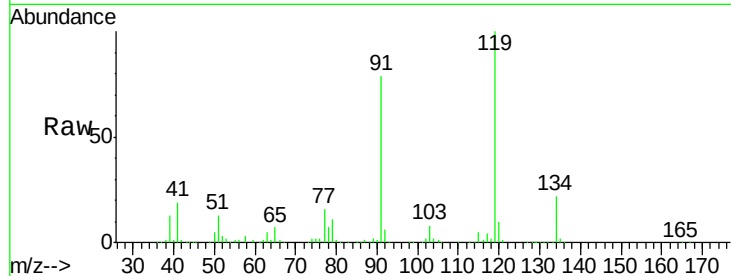
#83
 tert-Butylbenzene
 Concen: 51.806 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		499603		
91	77.6	38.3	114.9		
134	24.3	11.3	33.8		

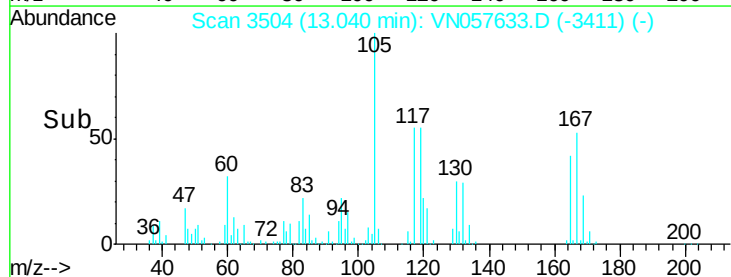
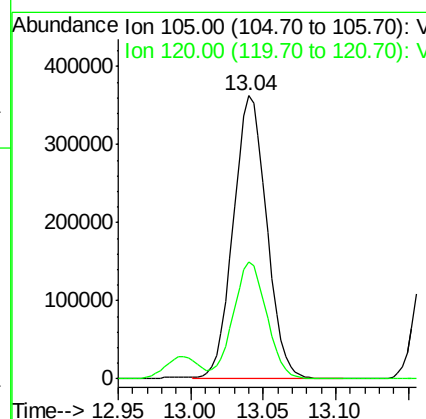
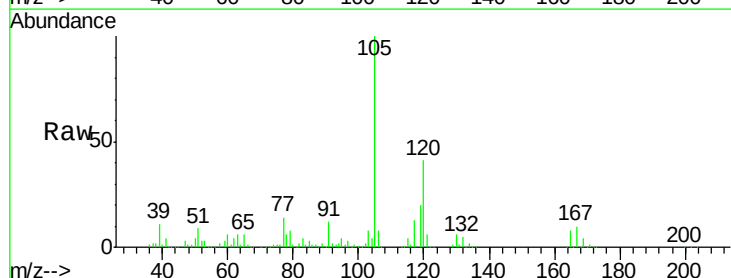
Manual Integrations
 APPROVED

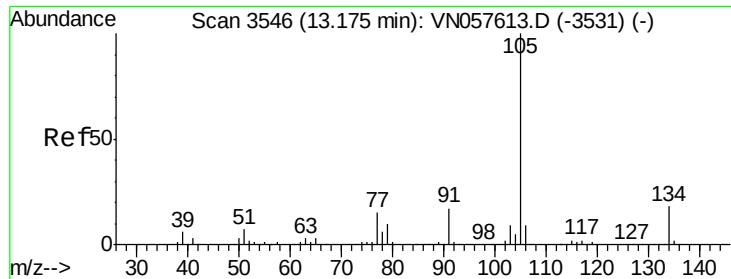
MMDadoda
 9/3/2019 11:02:46 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.748 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		580012		
120	41.4	20.8	62.5		





#85

sec-Butylbenzene

Concen: 51.966 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 674085

Ion Ratio Lower Upper

105 100

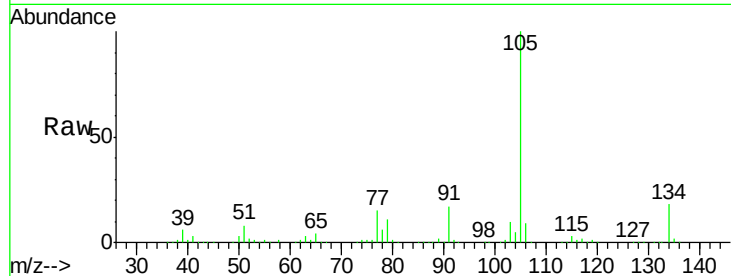
134 17.8 8.9 26.8

Manual Integrations

APPROVED

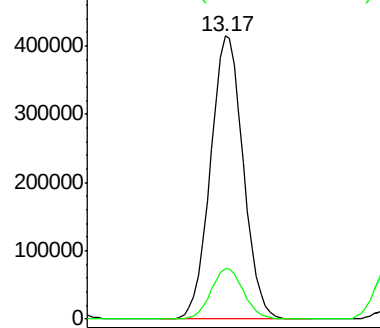
MMDadoda

9/3/2019 11:02:46 AM

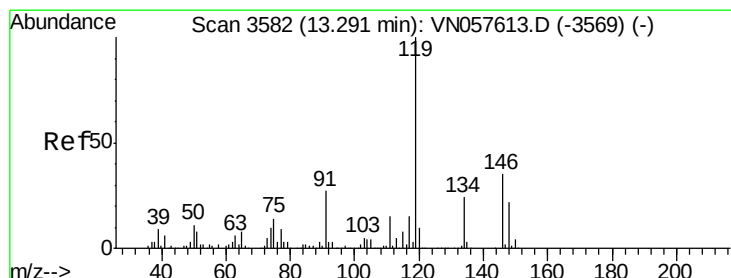
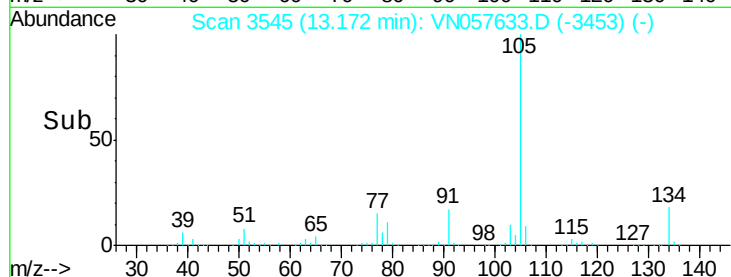


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 53.092 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

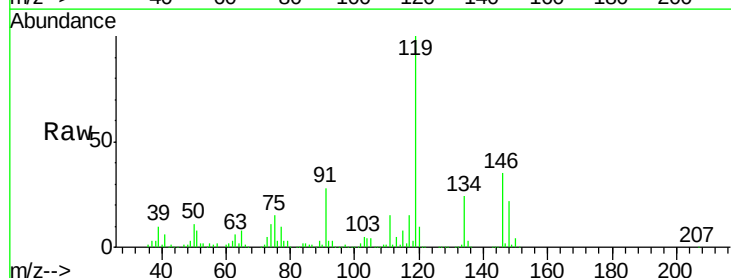
Tgt Ion:119 Resp: 569557

Ion Ratio Lower Upper

119 100

134 24.1 11.9 35.5

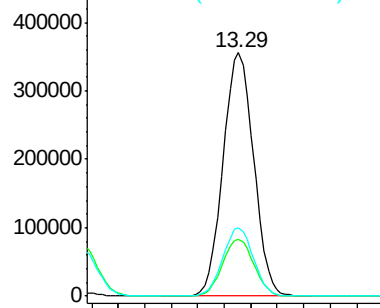
91 28.1 13.7 41.0



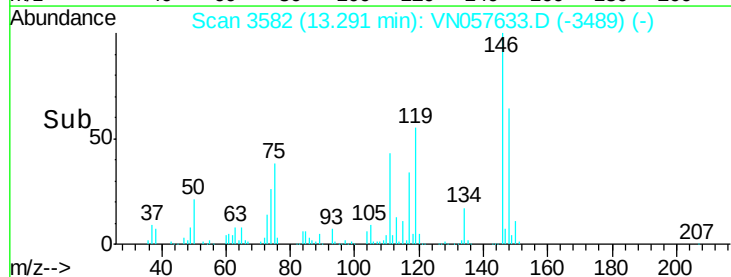
Abundance Ion 119.00 (118.70 to 119.70): V

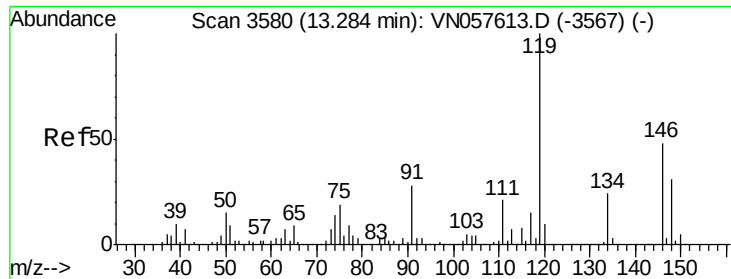
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





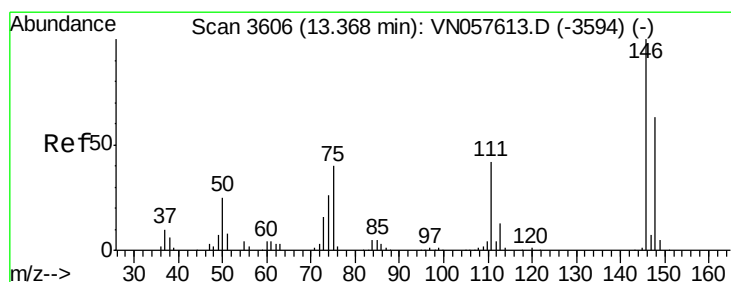
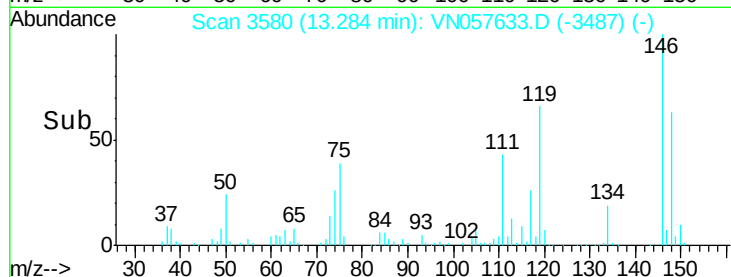
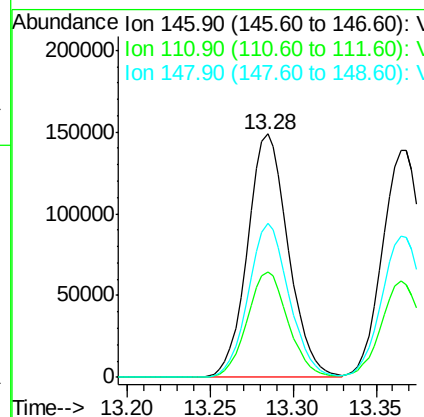
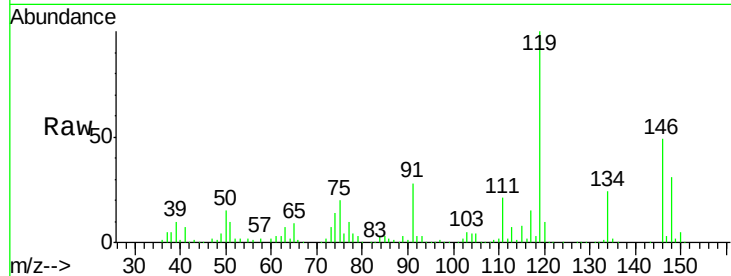
#87
 1,3-Dichlorobenzene
 Concen: 53.006 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	253918		
111	43.5	21.8	65.3	
148	63.2	31.4	94.2	

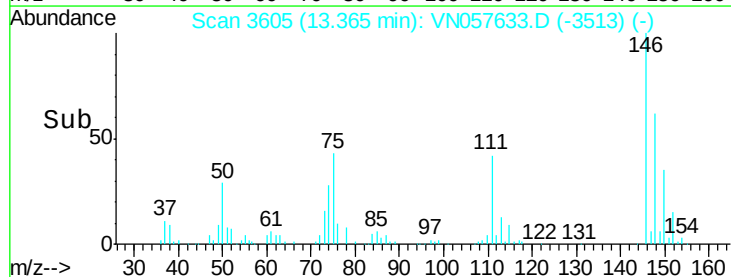
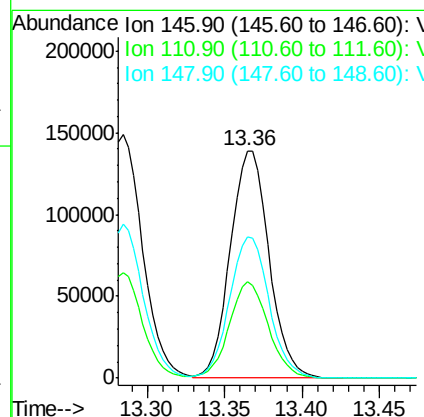
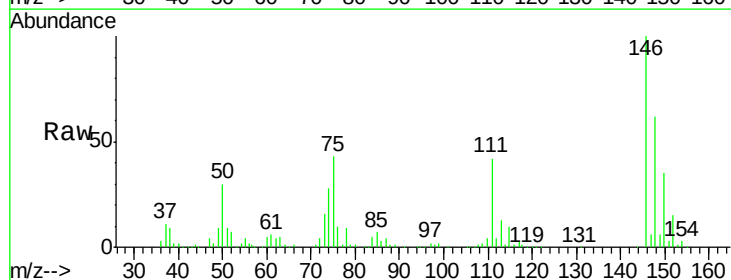
Manual Integrations
 APPROVED

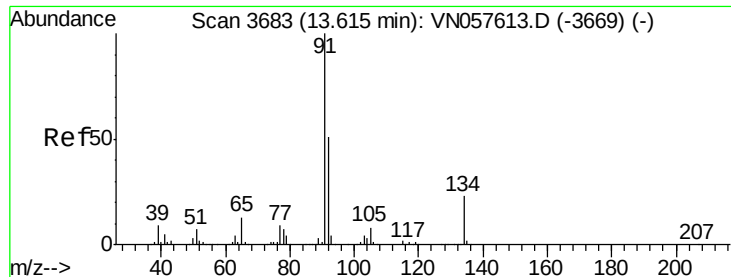
MMDadoda
 9/3/2019 11:02:46 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.269 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	241864		
111	42.6	21.6	65.0	
148	63.3	32.2	96.6	





#89

n-Butylbenzene

Concen: 51.300 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

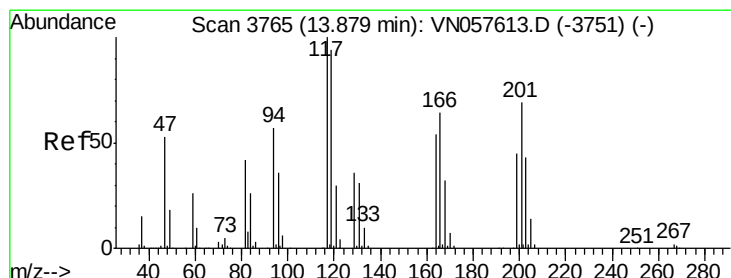
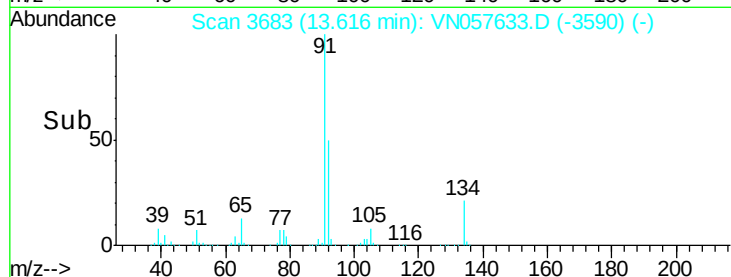
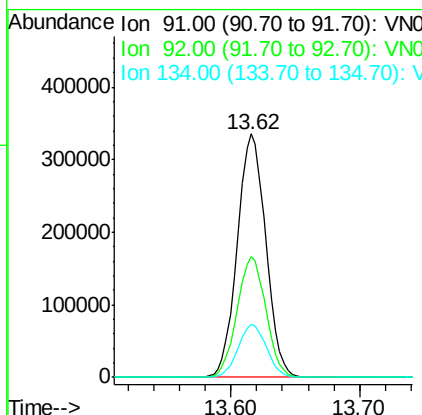
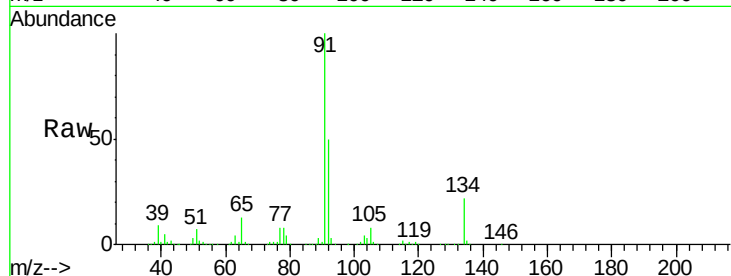
ClientSampled :

VSTDCCC050

Tot Ion:	91	Resp:	515725
Ion	Ratio	Lower	Upper
91	100		
92	50.1	25.4	76.0
134	21.7	11.0	33.0

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:02:46 AM



#90

Hexachloroethane

Concen: 51.683 ug/l

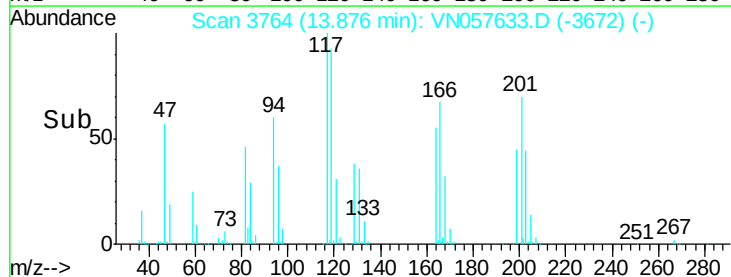
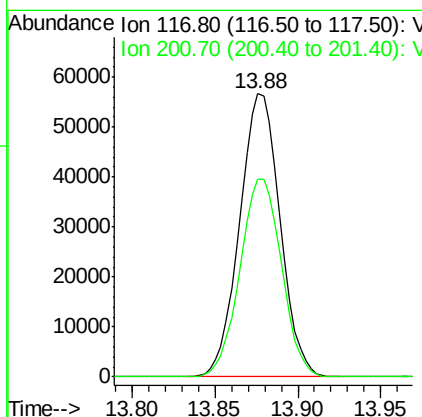
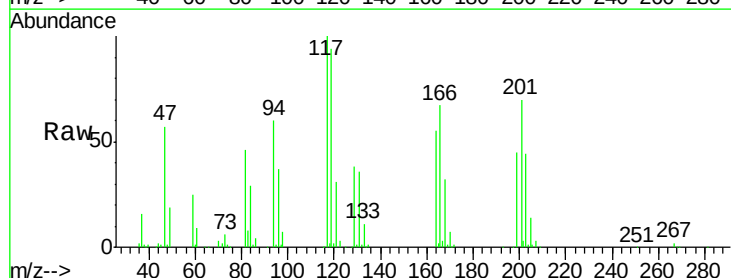
RT: 13.88 min Scan# 3764

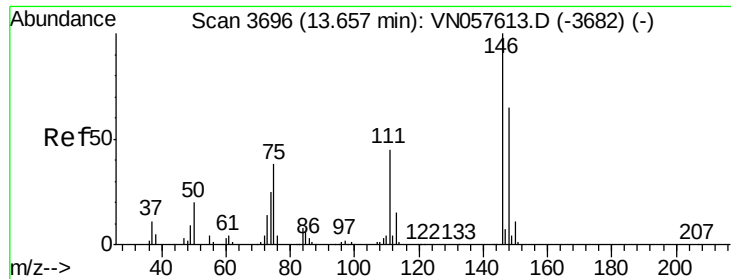
Delta R.T. -0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Tgt Ion:	117	Resp:	96255
Ion	Ratio	Lower	Upper
117	100		
201	71.8	34.4	103.2





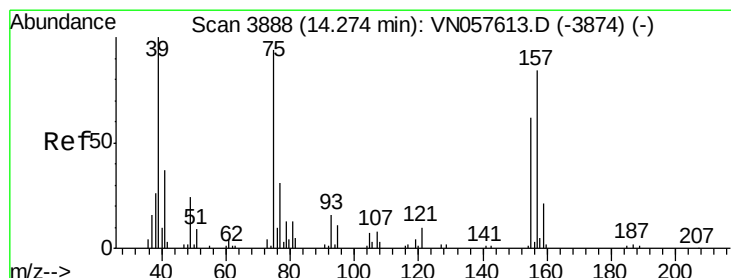
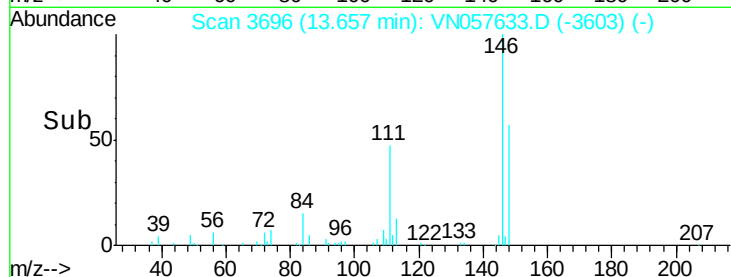
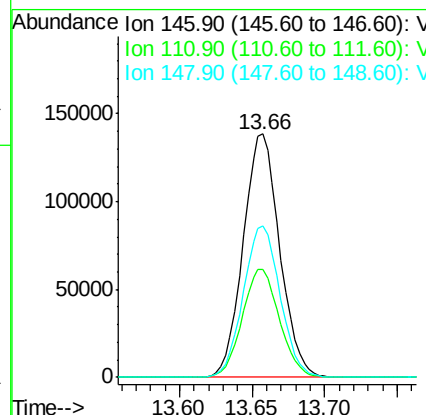
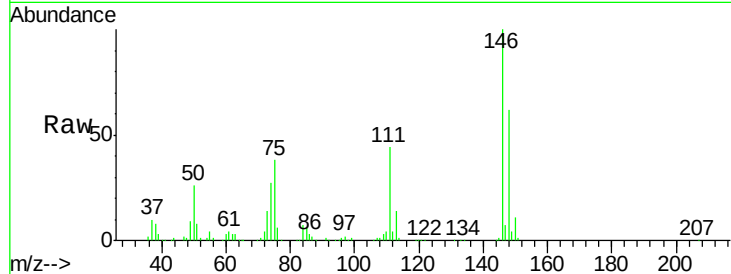
#91
 1,2-Dichlorobenzene
 Concen: 52.978 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	242176		
111	45.4	22.1	66.5	
148	62.8	31.6	94.7	

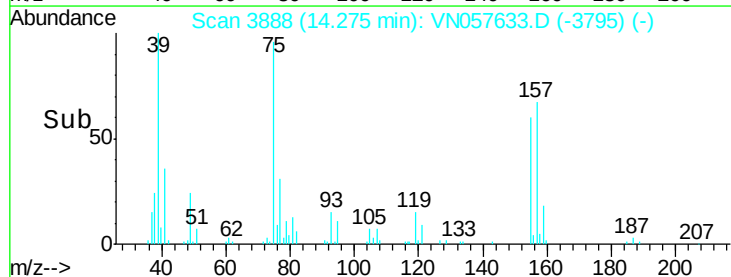
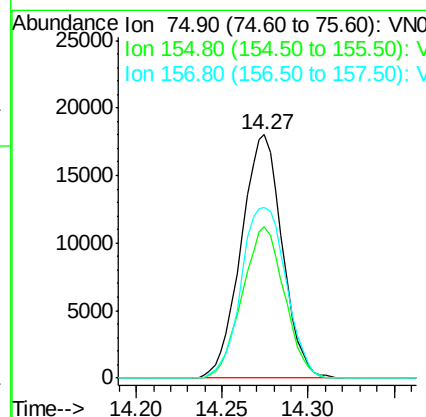
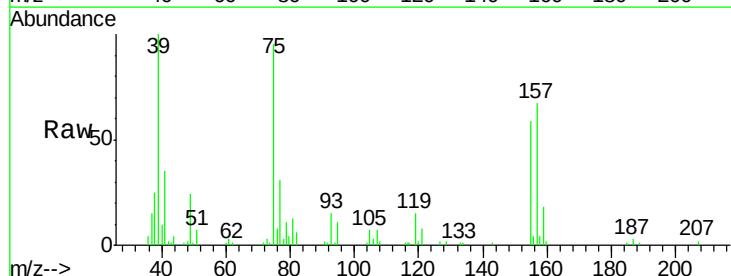
Manual Integrations
 APPROVED

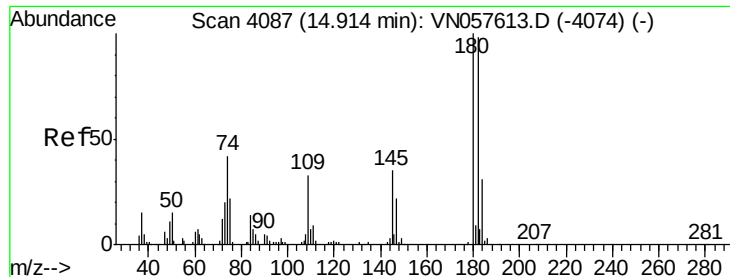
MMDadoda
 9/3/2019 11:02:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.713 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29915		
155	63.3	30.1	90.5	
157	76.3	41.4	124.4	





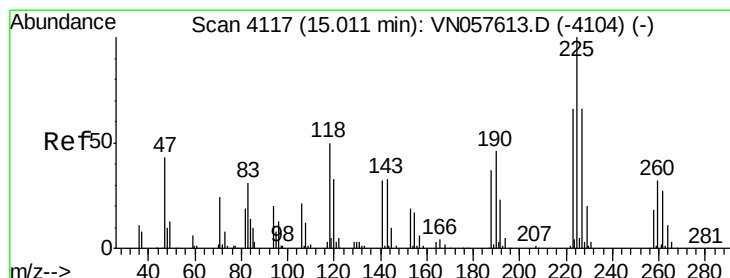
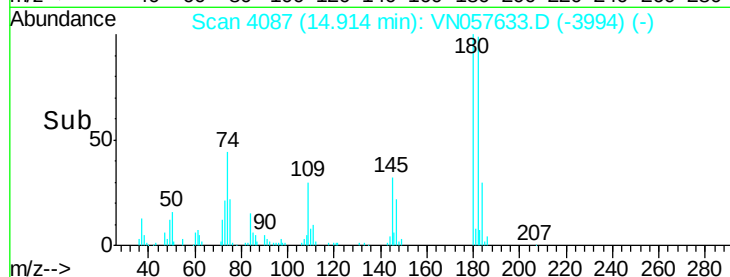
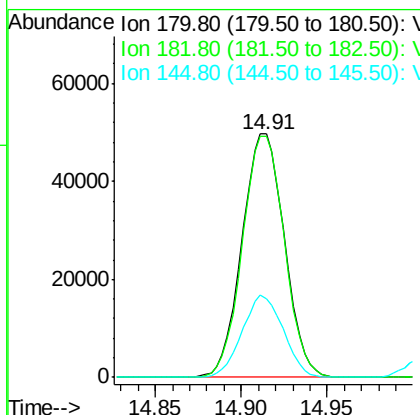
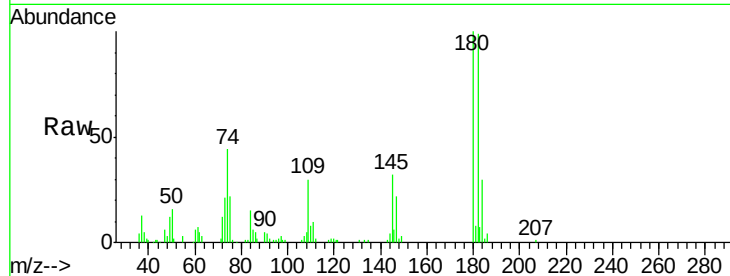
#93
 1,2,4-Trichlorobenzene
 Concen: 43.997 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.8	47.8	143.3	
145	32.8	16.9	50.7	

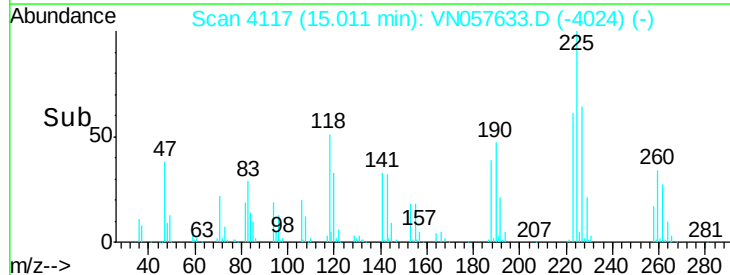
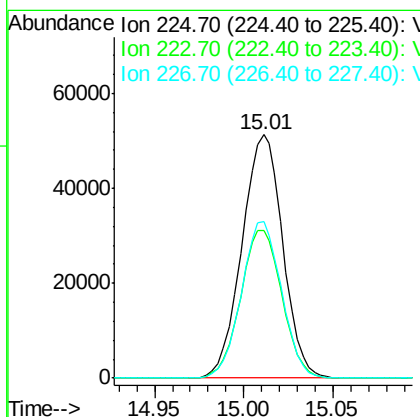
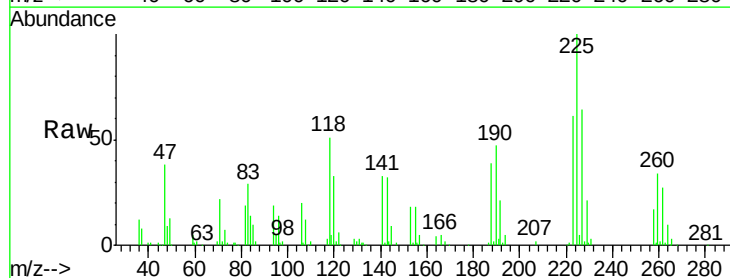
Manual Integrations
 APPROVED

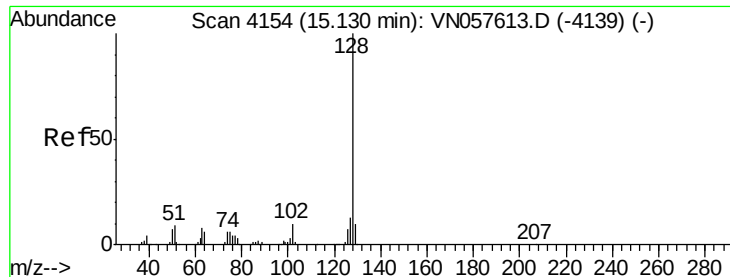
MMDadoda
 9/3/2019 11:02:46 AM



#94
 Hexachlorobutadiene
 Concen: 52.259 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057633.D
 Acq: 1 Sep 2019 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	32.3	96.8	
227	63.1	32.4	97.2	





#95

Naphthalene

Concen: 41.544 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Instrument :

MSVOA_N

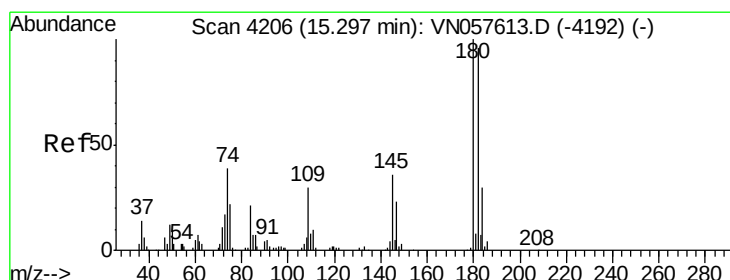
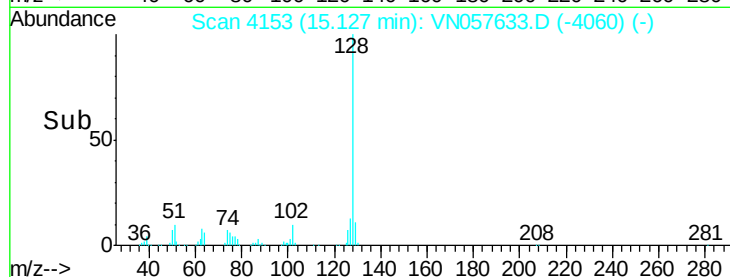
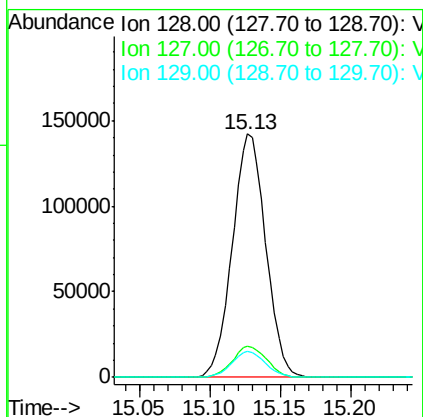
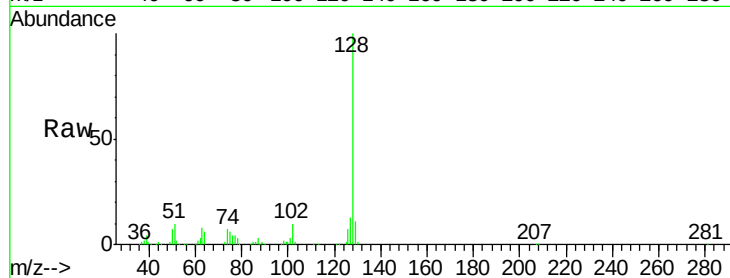
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	235609
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:02:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 45.099 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN057633.D

Acq: 1 Sep 2019 10:26

Tgt Ion:	180	Resp:	87732
Ion Ratio	Lower	Upper	
180	100		
182	91.4	46.3	138.9
145	33.2	17.8	53.3

