

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080819\
 Data File : VN057133.D
 Acq On : 8 Aug 2019 15:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/9/2019 9:28:08 AM

Quant Time: Aug 09 04:06:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1217266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1790669	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1608494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	672383	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	582940	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
35) Dibromofluoromethane	6.98	113	536714	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
50) Toluene-d8	9.56	98	2066133	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
62) 4-Bromofluorobenzene	11.92	95	696603	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.82	85	444611	45.445	ug/l	96
3) Chloromethane	2.00	50	577044	44.390	ug/l	99
4) Vinyl Chloride	2.11	62	564036	46.680	ug/l	99
5) Bromomethane	2.43	94	394009	47.992	ug/l	99
6) Chloroethane	2.55	64	370788	47.842	ug/l	98
7) Trichlorofluoromethane	2.82	101	821862	47.321	ug/l	98
8) Diethyl Ether	3.14	74	323341	48.186	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.44	101	513997	48.819	ug/l	99
10) Methyl Iodide	3.63	142	797041	50.095	ug/l	100
11) Tert butyl alcohol	4.23	59	359889	202.019	ug/l	100
12) 1,1-Dichloroethene	3.43	96	506213	48.873	ug/l	98
13) Acrolein	3.31	56	258353	229.242	ug/l	100
14) Allyl chloride	3.91	41	744149	49.437	ug/l	99
15) Acrylonitrile	4.44	53	1153287	239.201	ug/l	99
16) Acetone	3.47	43	842479	222.839	ug/l	99
17) Carbon Disulfide	3.72	76	1353981	49.137	ug/l	100
18) Methyl Acetate	3.89	43	562589	49.944	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	1542846	49.340	ug/l	100
20) Methylene Chloride	4.10	84	580130	46.495	ug/l	98
21) trans-1,2-Dichloroethene	4.50	96	540599	47.912	ug/l	98
22) Diisopropyl ether	5.31	45	1600032	48.733	ug/l	99
23) Vinyl Acetate	5.26	43	6393131	254.279	ug/l	99
24) 1,1-Dichloroethane	5.25	63	977304	48.421	ug/l	98
25) 2-Butanone	6.20	43	1378331	238.620	ug/l	97
26) 2,2-Dichloropropane	6.21	77	715496	48.726	ug/l	99
27) cis-1,2-Dichloroethene	6.20	96	636109	49.212	ug/l	99
28) Bromochloromethane	6.58	49	425472	45.830	ug/l	98
29) Tetrahydrofuran	6.60	42	913068	234.653	ug/l	99
30) Chloroform	6.76	83	975790	46.711	ug/l	100
31) Cyclohexane	7.06	56	844555	46.510	ug/l	99
32) 1,1,1-Trichloroethane	6.97	97	857108	48.910	ug/l	99
36) 1,1-Dichloropropene	7.20	75	754189	51.154	ug/l	100
37) Ethyl Acetate	6.28	43	578288	47.581	ug/l #	100
38) Carbon Tetrachloride	7.18	117	748340	48.703	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080819\
 Data File : VN057133.D
 Acq On : 8 Aug 2019 15:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/9/2019 9:28:08 AM

Quant Time: Aug 09 04:06:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	909876	50.748	ug/l	96
40) Benzene	7.46	78	2269912	48.633	ug/l	100
41) Methacrylonitrile	6.54	41	300150	48.618	ug/l	98
42) 1,2-Dichloroethane	7.54	62	710330	47.720	ug/l	98
43) Isopropyl Acetate	7.56	43	1122013	54.097	ug/l	95
44) Trichloroethene	8.27	130	642784	49.157	ug/l	99
45) 1,2-Dichloropropane	8.56	63	585831	48.475	ug/l	100
46) Dibromomethane	8.65	93	379591	48.987	ug/l	98
47) Bromodichloromethane	8.85	83	759734	50.671	ug/l	97
48) Methyl methacrylate	8.63	41	473879	48.453	ug/l	99
49) 1,4-Dioxane	8.64	88	190964	958.707	ug/l	98
51) 4-Methyl-2-Pentanone	9.45	43	2907365	240.858	ug/l	100
52) Toluene	9.62	92	1450697	50.073	ug/l	98
53) t-1,3-Dichloropropene	9.85	75	805469	51.423	ug/l	97
54) cis-1,3-Dichloropropene	9.30	75	926375	51.542	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	548352	48.132	ug/l	99
56) Ethyl methacrylate	9.90	69	809640	50.756	ug/l	99
57) 1,3-Dichloropropane	10.19	76	917385	48.829	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.15	63	1478589	233.381	ug/l	99
59) 2-Hexanone	10.24	43	2018599	247.091	ug/l	100
60) Dibromochloromethane	10.39	129	618871	51.723	ug/l	100
61) 1,2-Dibromoethane	10.49	107	578432	49.202	ug/l	99
64) Tetrachloroethene	10.11	164	646949	48.363	ug/l	98
65) Chlorobenzene	10.93	112	1583110	48.916	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.01	131	587817	48.581	ug/l	100
67) Ethyl Benzene	11.01	91	2784593	49.991	ug/l	100
68) m/p-Xylenes	11.12	106	2107525	102.702	ug/l	100
69) o-Xylene	11.46	106	1020005	49.944	ug/l	98
70) Styrene	11.47	104	1676795	52.565	ug/l	99
71) Bromoform	11.64	173	457723	51.643	ug/l	100
73) Isopropylbenzene	11.76	105	2739293	50.020	ug/l	100
74) N-amyl acetate	11.58	43	801121	47.018	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	738859	50.426	ug/l	100
76) 1,2,3-Trichloropropane	12.07	75	643573m	48.981	ug/l	
77) Bromobenzene	12.04	156	716477	44.333	ug/l	99
78) n-propylbenzene	12.11	91	2951769	45.760	ug/l	100
79) 2-Chlorotoluene	12.19	91	1787109	49.713	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	2290263	44.120	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.82	75	219052	47.902	ug/l	97
82) 4-Chlorotoluene	12.30	91	1709886	45.781	ug/l	100
83) tert-Butylbenzene	12.52	119	1988287	48.527	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	2192220	43.692	ug/l	99
85) sec-Butylbenzene	12.70	105	2550019	43.530	ug/l	99
86) p-Isopropyltoluene	12.82	119	2284278	44.438	ug/l	100
87) 1,3-Dichlorobenzene	12.81	146	1120117	48.683	ug/l	100
88) 1,4-Dichlorobenzene	12.89	146	1056700	48.472	ug/l	99
89) n-Butylbenzene	13.15	91	1643084	46.266	ug/l	100
90) Hexachloroethane	13.41	117	402774	49.278	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	1096265	47.713	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.81	75	109110	46.162	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080819\
Data File : VN057133.D
Acq On : 8 Aug 2019 15:46
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

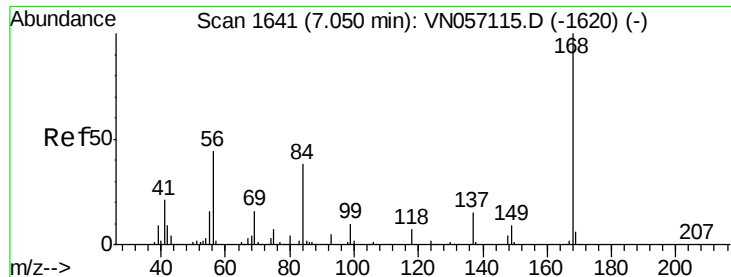
Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:08 AM

Quant Time: Aug 09 04:06:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:49:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	467028	48.173	ug/l	98
94) Hexachlorobutadiene	14.55	225	428235	53.683	ug/l	99
95) Naphthalene	14.67	128	887148	46.270	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	441642	44.528	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Tot Ion:168 Resp: 1217266

Ion Ratio Lower Upper

168 100

99 47.4 38.6 57.8

Instrument :

MSVOA_N

ClientSampleId :

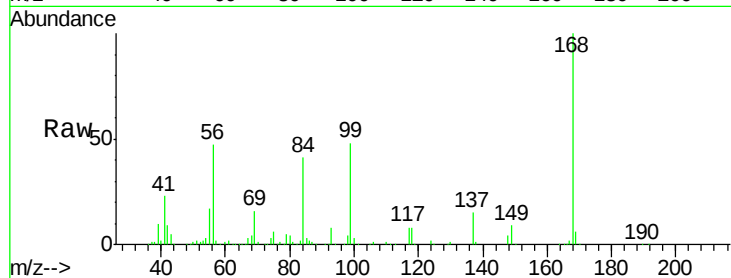
VSTDCCC050EC

Manual Integrations

APPROVED

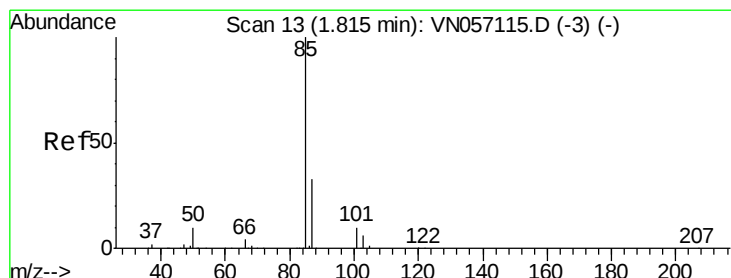
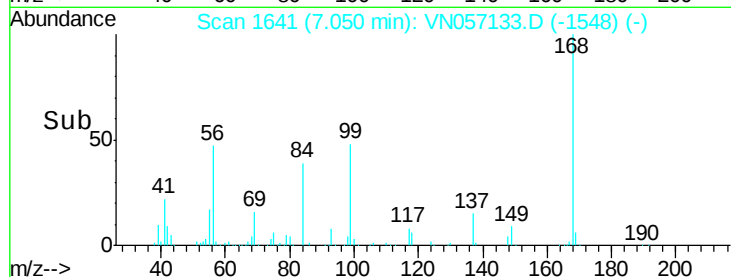
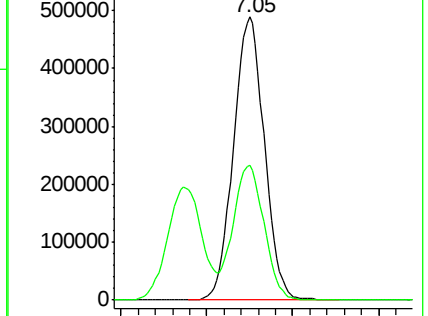
MMDadoda

8/9/2019 9:28:08 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.445 ug/l

RT: 1.82 min Scan# 13

Delta R.T. -0.00 min

Lab File: VN057133.D

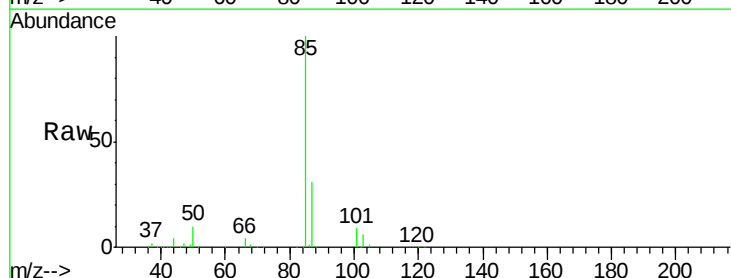
Acq: 8 Aug 2019 15:46

Tgt Ion: 85 Resp: 444611

Ion Ratio Lower Upper

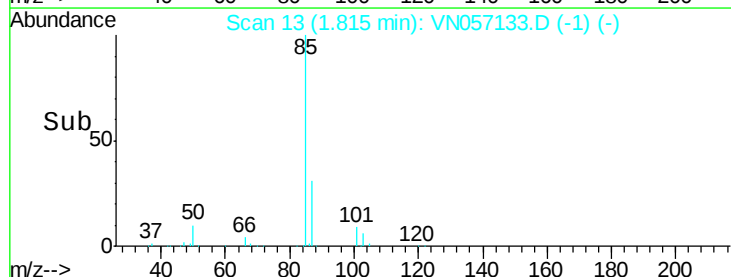
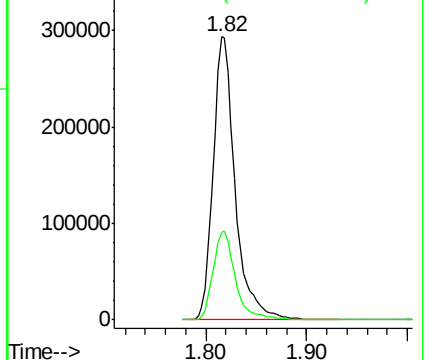
85 100

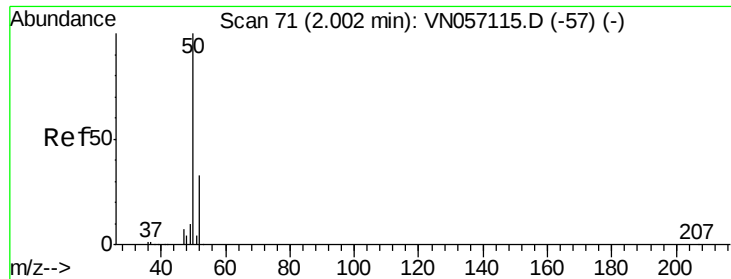
87 30.9 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.390 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 577044

Ion Ratio Lower Upper

50 100

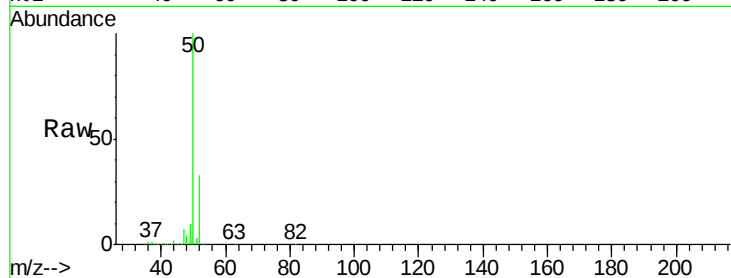
52 33.2 26.1 39.1

Manual Integrations

APPROVED

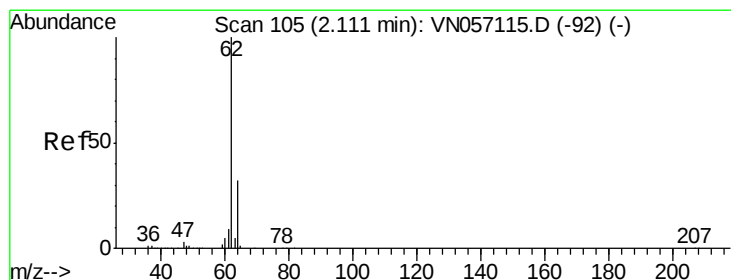
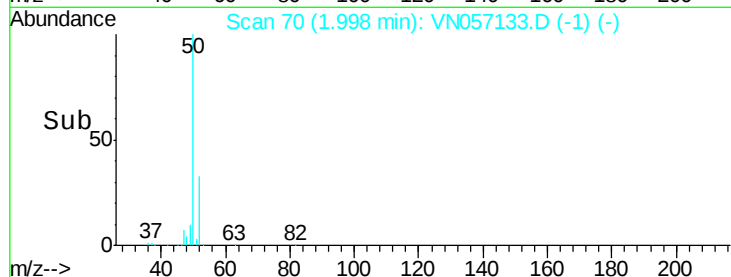
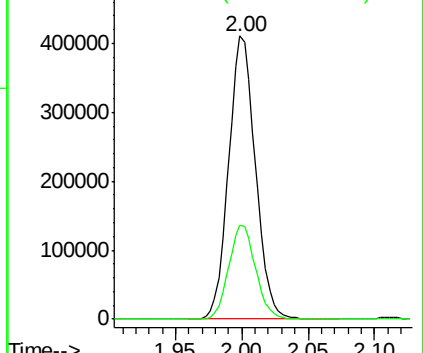
MMDadoda

8/9/2019 9:28:08 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.680 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057133.D

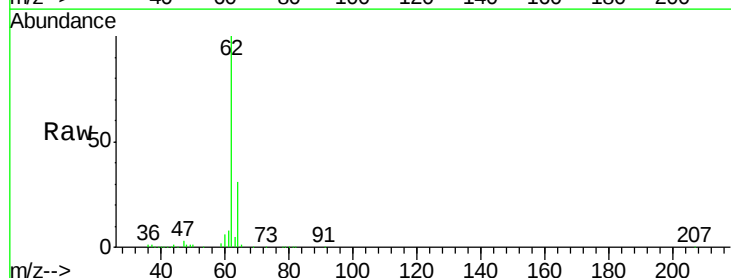
Acq: 8 Aug 2019 15:46

Tgt Ion: 62 Resp: 564036

Ion Ratio Lower Upper

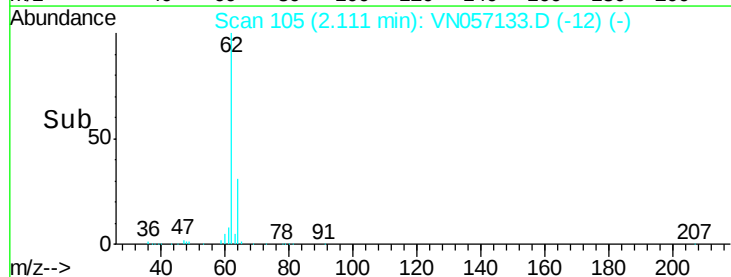
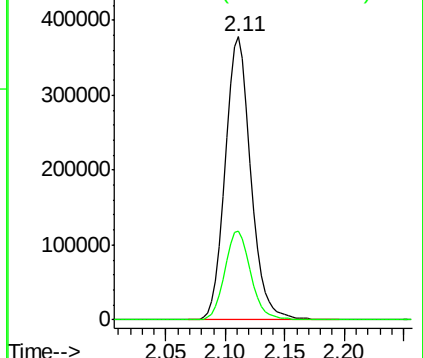
62 100

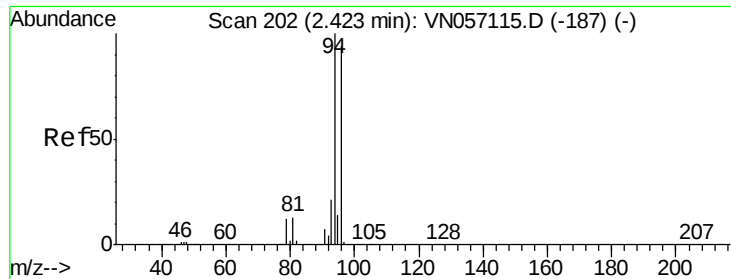
64 31.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 47.992 ug/l

RT: 2.43 min Scan# 204

Delta R.T. 0.01 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 394009

Ion Ratio Lower Upper

94 100

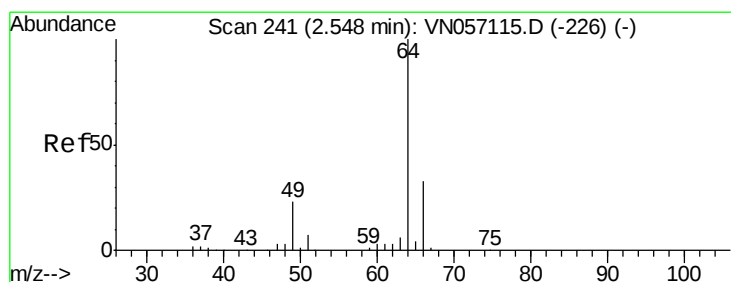
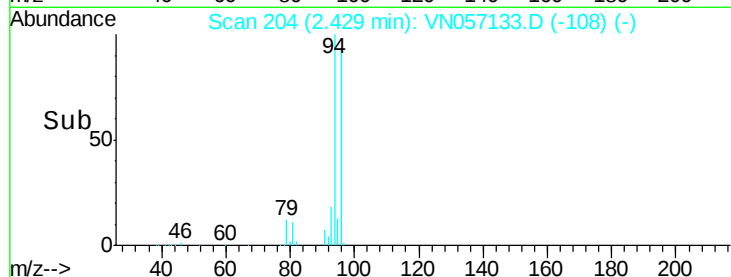
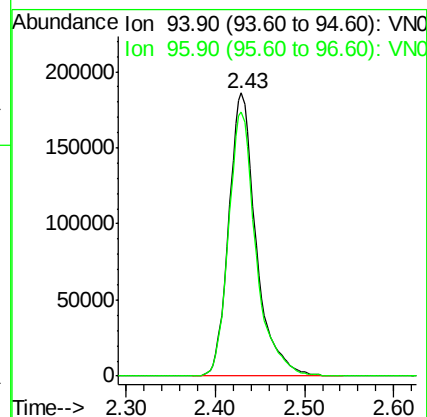
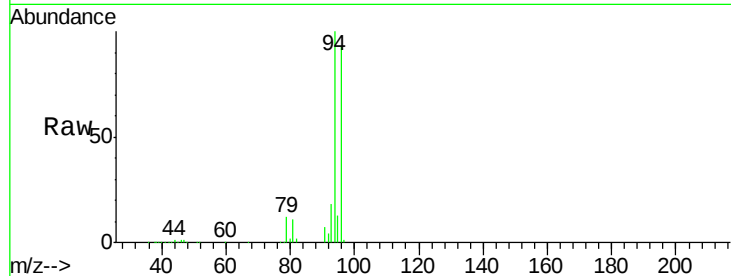
96 93.2 75.0 112.4

Manual Integrations

APPROVED

MMDadoda

8/9/2019 9:28:08 AM



#6

Chloroethane

Concen: 47.842 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN057133.D

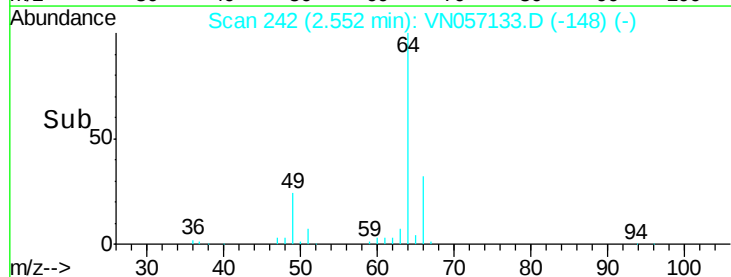
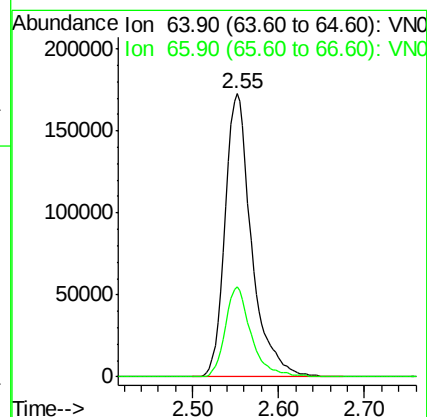
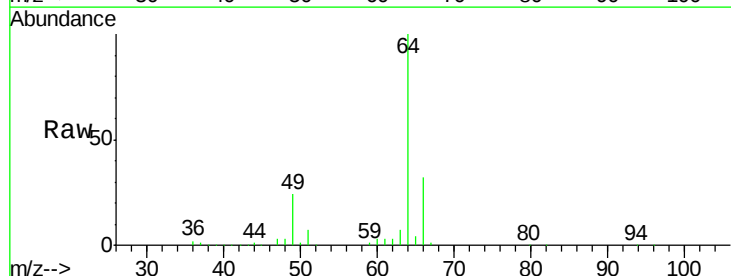
Acq: 8 Aug 2019 15:46

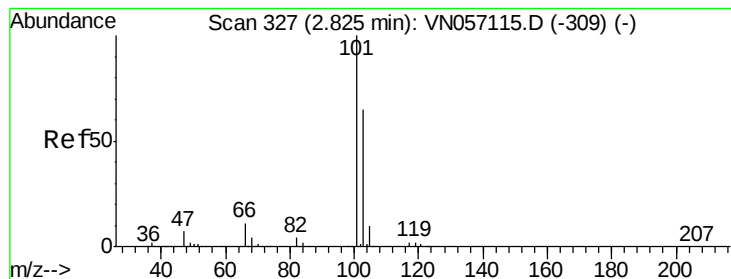
Tgt Ion: 64 Resp: 370788

Ion Ratio Lower Upper

64 100

66 31.9 26.2 39.4





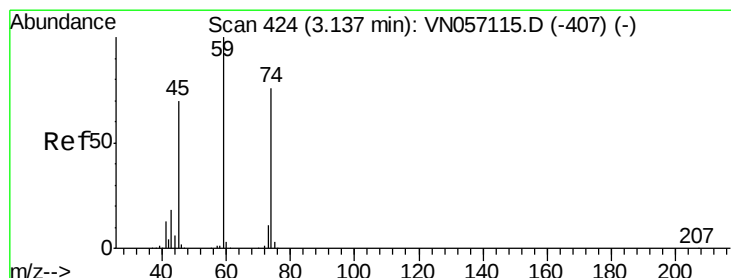
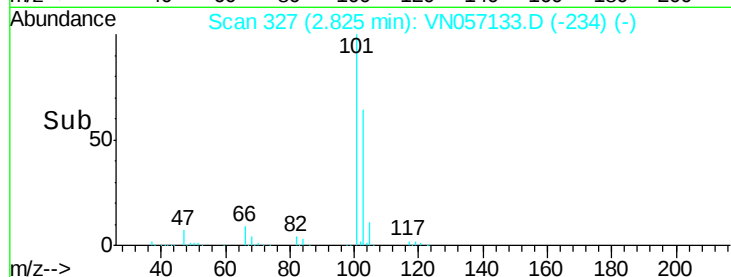
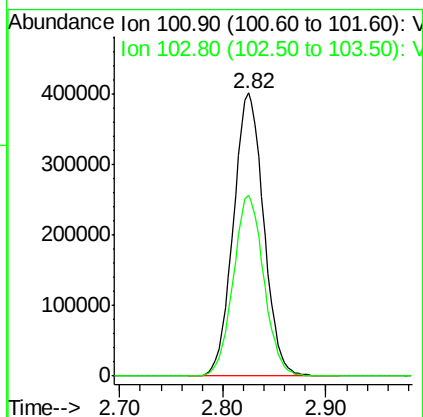
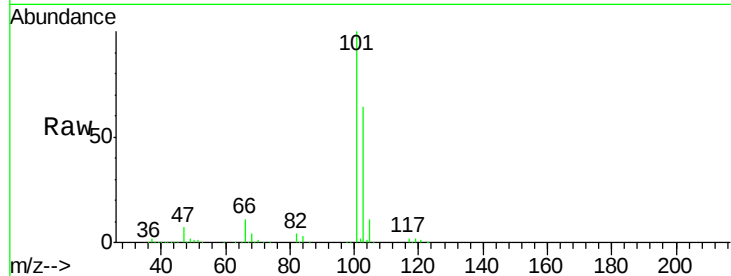
#7
 Trichlorofluoromethane
 Concen: 47.321 ug/l
 RT: 2.82 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.2	78.4

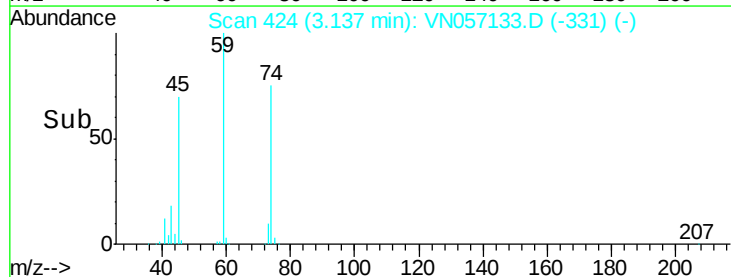
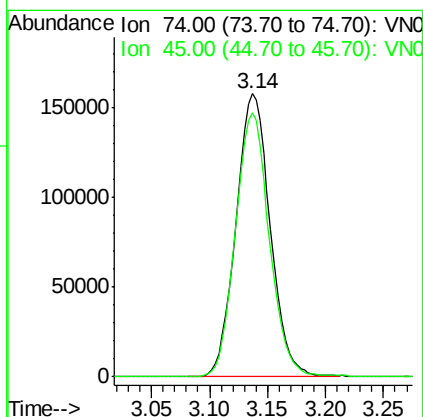
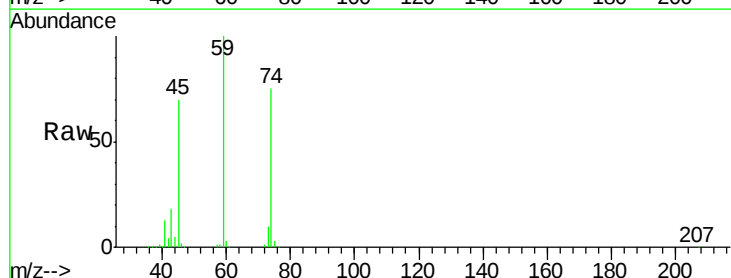
Manual Integrations
 APPROVED

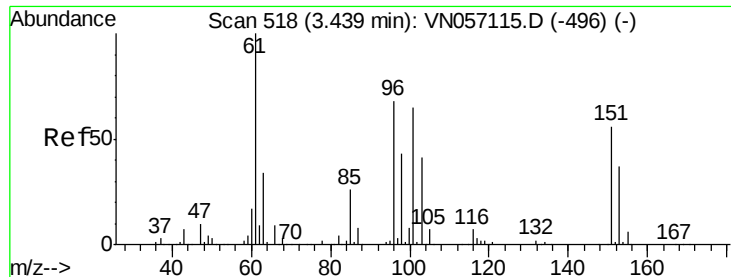
MMDadoda
 8/9/2019 9:28:08 AM



#8
 Diethyl Ether
 Concen: 48.186 ug/l
 RT: 3.14 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.7	46.3	138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.819 ug/l

RT: 3.44 min Scan# 517

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

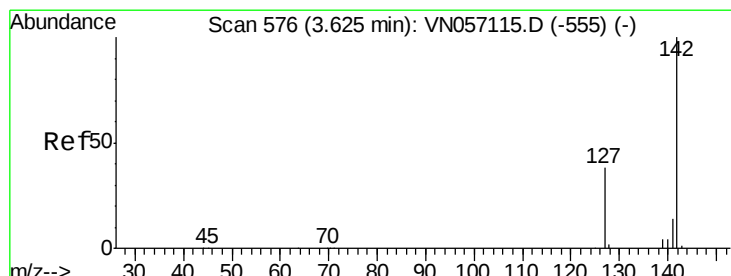
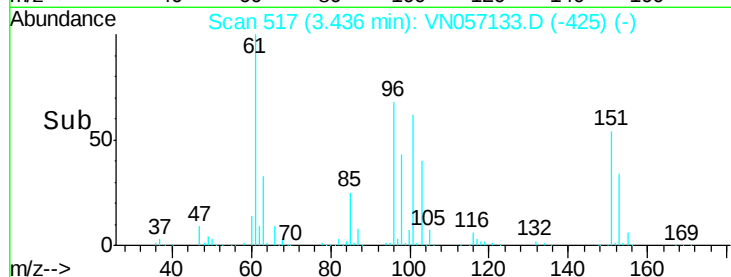
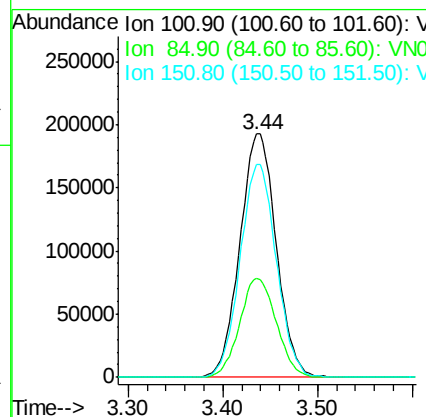
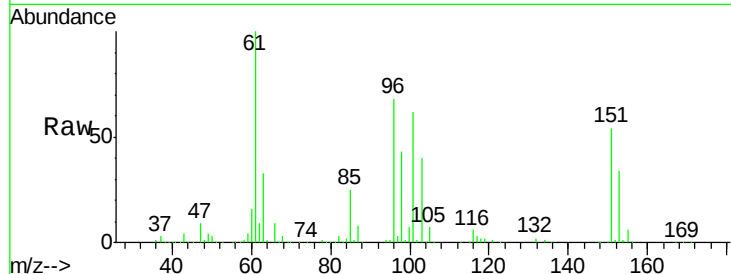
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	513997
Ion Ratio	Lower	Upper	
101	100		
85	41.2	32.3	48.5
151	87.4	69.4	104.0

Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:08 AM



#10

Methyl Iodide

Concen: 50.095 ug/l

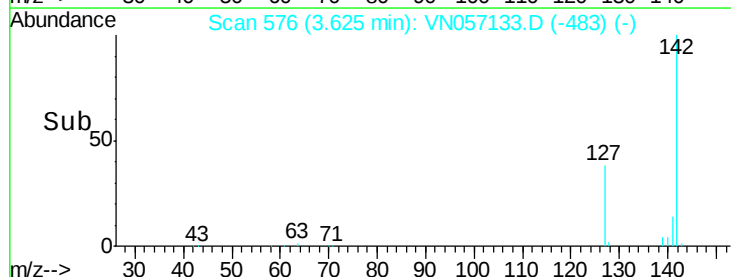
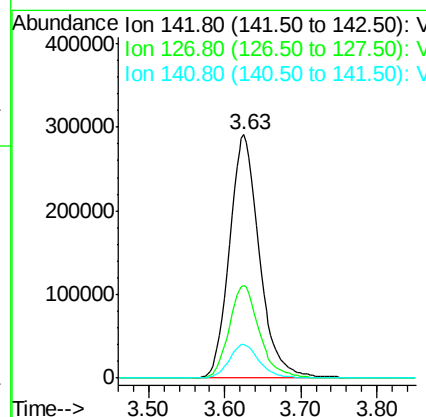
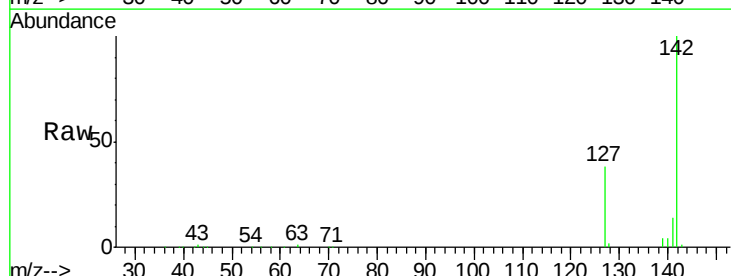
RT: 3.63 min Scan# 576

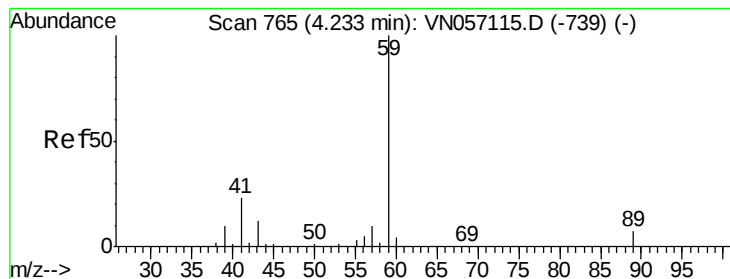
Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Tgt Ion:	142	Resp:	797041
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.0	46.6
141	14.1	11.2	16.8





#11

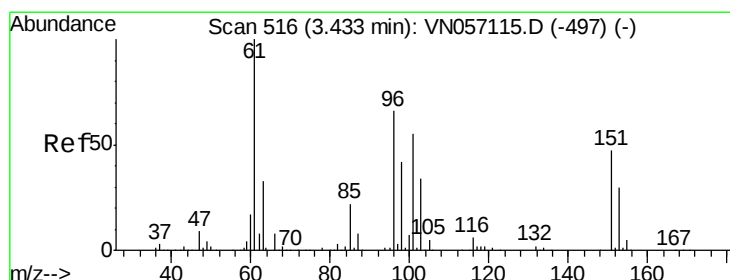
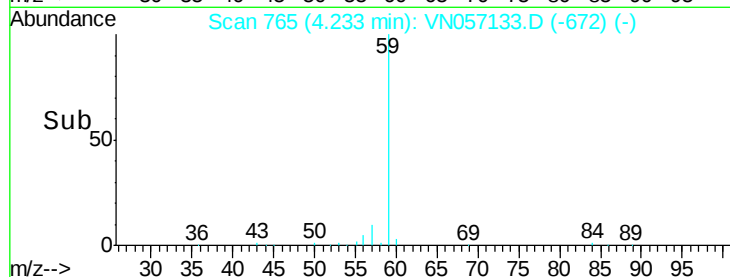
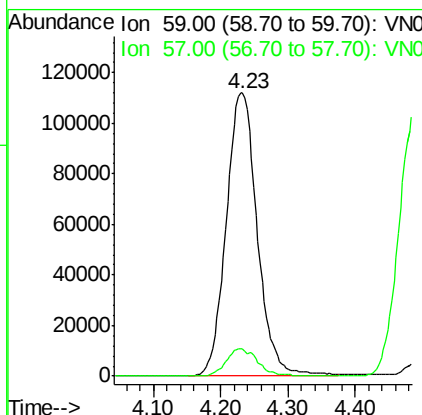
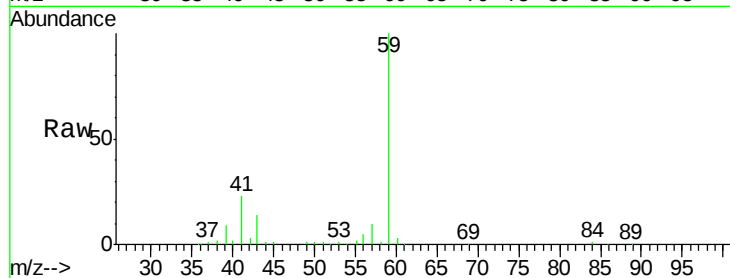
Tert butyl alcohol
 Concen: 202.019 ug/l
 RT: 4.23 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	359889
Ion Ratio	100	Lower	Upper
57	9.8	7.9	11.9

Manual Integrations
 APPROVED

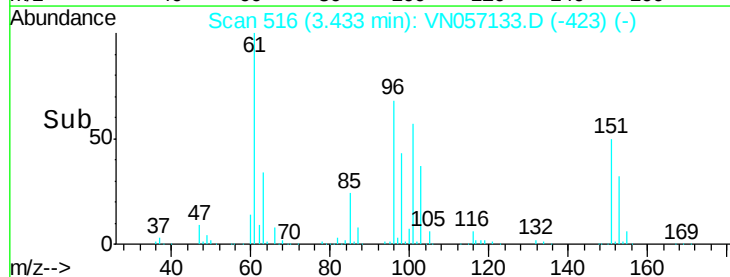
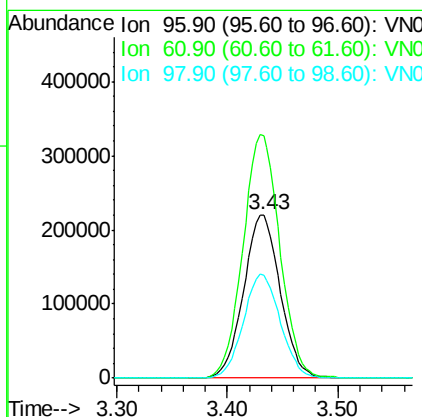
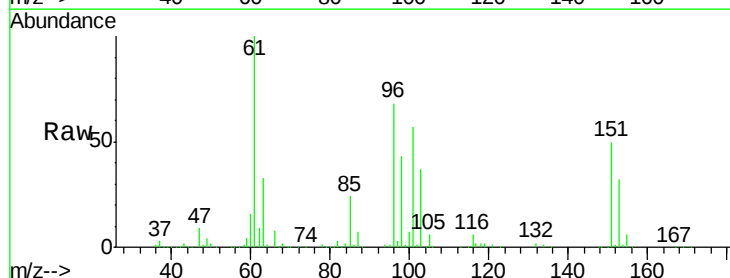
MMDadoda
 8/9/2019 9:28:08 AM

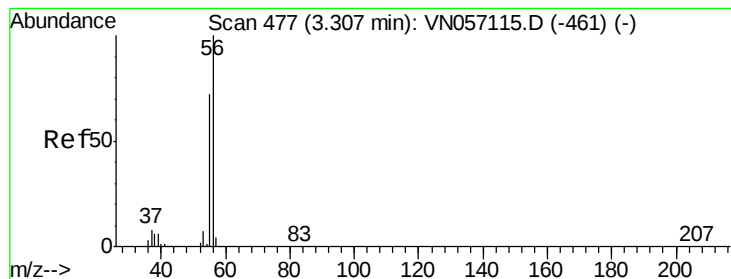


#12

1,1-Dichloroethene
 Concen: 48.873 ug/l
 RT: 3.43 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Tgt Ion	96	Resp	506213
Ion Ratio	100	Lower	Upper
61	148.0	121.0	181.6
98	63.1	50.8	76.2





#13

Acrolein

Concen: 229.242 ug/l

RT: 3.31 min Scan# 477

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 258353

Ion Ratio Lower Upper

56 100

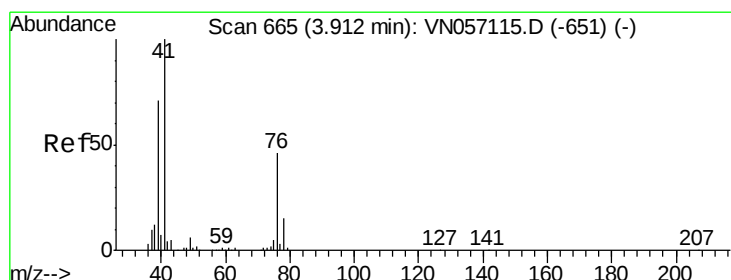
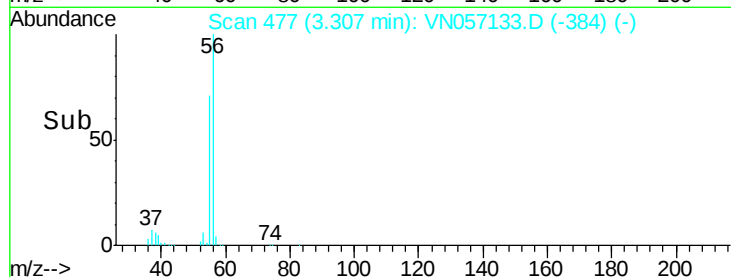
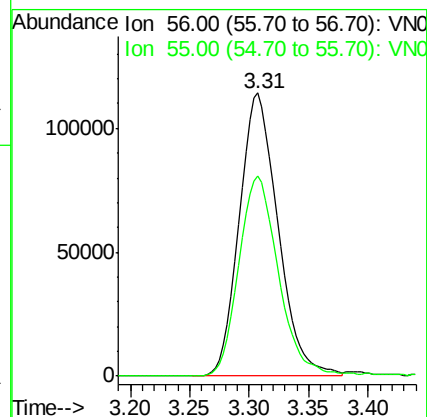
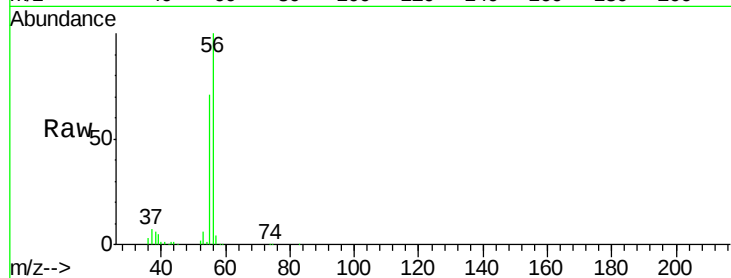
55 72.2 57.7 86.5

Manual Integrations

APPROVED

MMDadoda

8/9/2019 9:28:08 AM



#14

Allyl chloride

Concen: 49.437 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

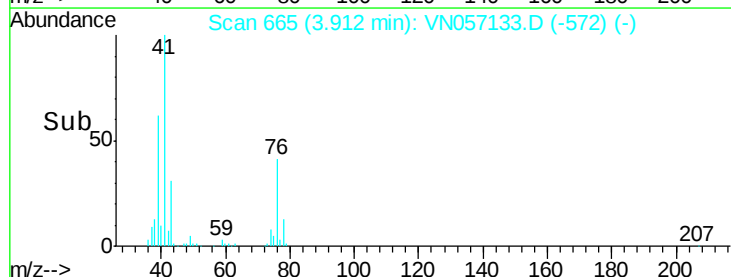
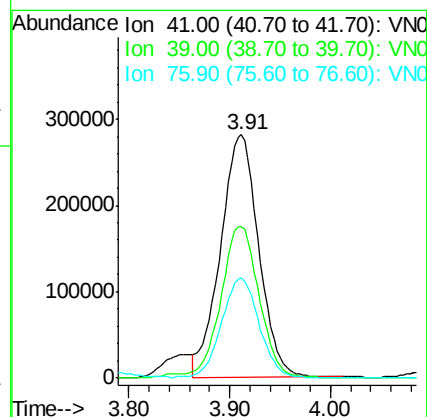
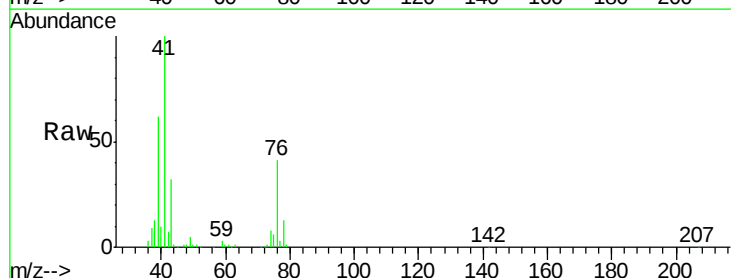
Tgt Ion: 41 Resp: 744149

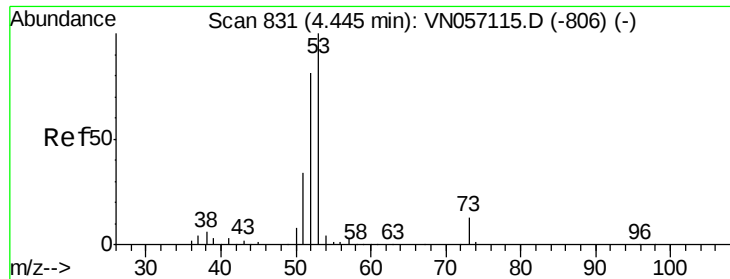
Ion Ratio Lower Upper

41 100

39 63.7 51.1 76.7

76 40.3 32.8 49.2





#15

Acrylonitrile

Concen: 239.201 ug/l

RT: 4.44 min Scan# 830

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1153287

Ion Ratio Lower Upper

53 100

52 82.3 64.9 97.3

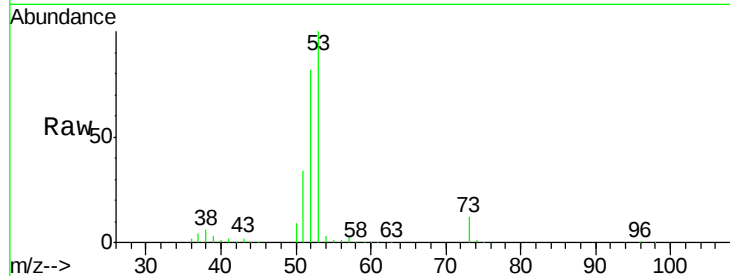
51 35.1 27.8 41.6

Manual Integrations

APPROVED

MMDadoda

8/9/2019 9:28:08 AM



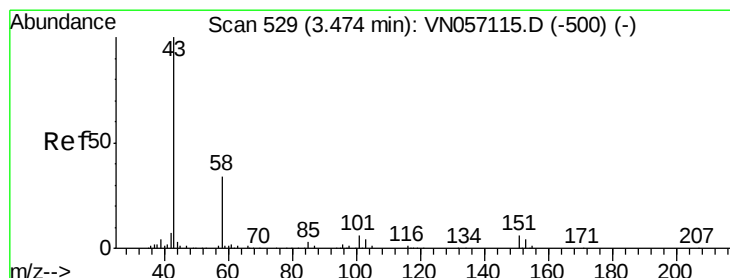
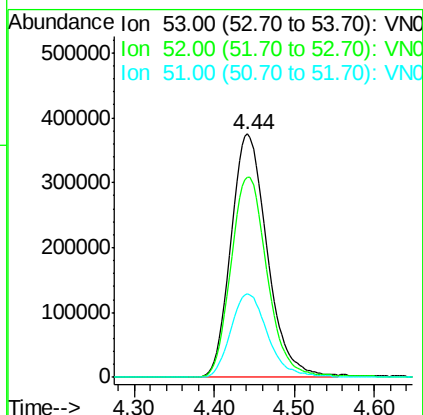
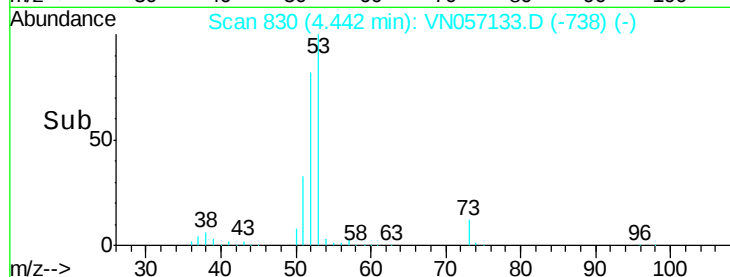
Abundance Ion 53.00 (52.70 to 53.70): VN057115.D (-806) (-)

Ion 52.00 (51.70 to 52.70): VN057115.D (-806) (-)

Ion 51.00 (50.70 to 51.70): VN057115.D (-806) (-)

4.44

4.30 4.40 4.50 4.60



#16

Acetone

Concen: 222.839 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057133.D

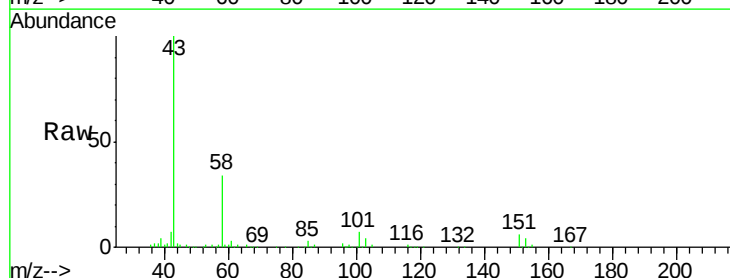
Acq: 8 Aug 2019 15:46

Tgt Ion: 43 Resp: 842479

Ion Ratio Lower Upper

43 100

58 33.9 27.4 41.2

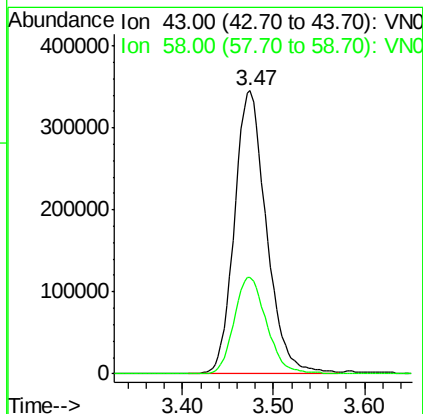
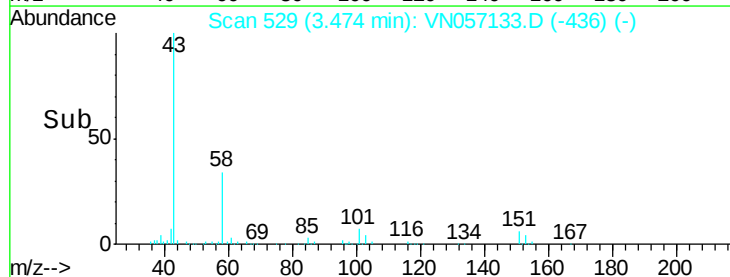


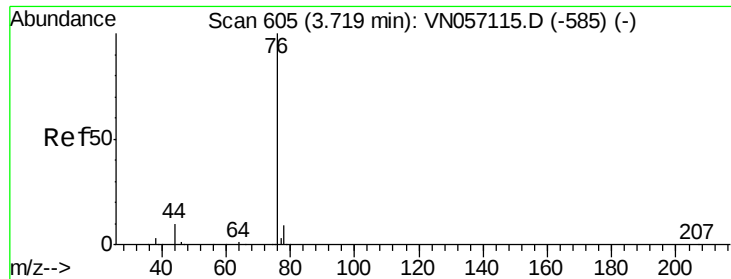
Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-500) (-)

Ion 58.00 (57.70 to 58.70): VN057115.D (-500) (-)

3.47

3.40 3.50 3.60





#17

Carbon Disulfide

Concen: 49.137 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 1353981

Ion Ratio Lower Upper

76 100

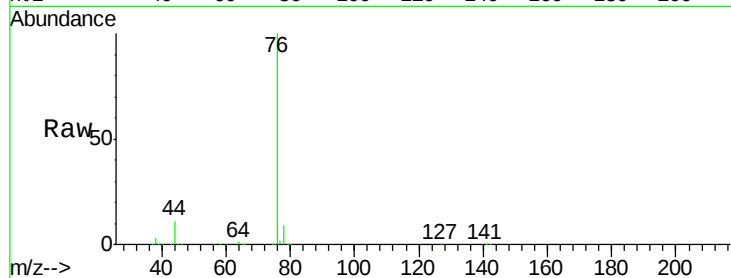
78 8.8 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

8/9/2019 9:28:08 AM



Abundance Ion 75.90 (75.60 to 76.60): VN057115.D (-585) (-)

Ion 77.90 (77.60 to 78.60): VN057115.D (-585) (-)

3.72

600000

500000

400000

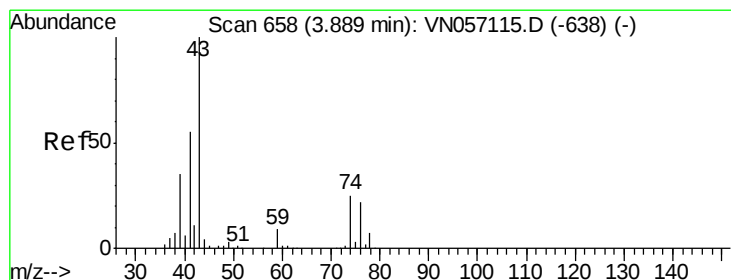
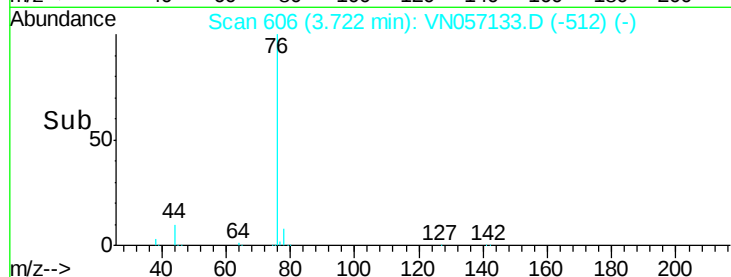
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 49.944 ug/l

RT: 3.89 min Scan# 658

Delta R.T. 0.00 min

Lab File: VN057133.D

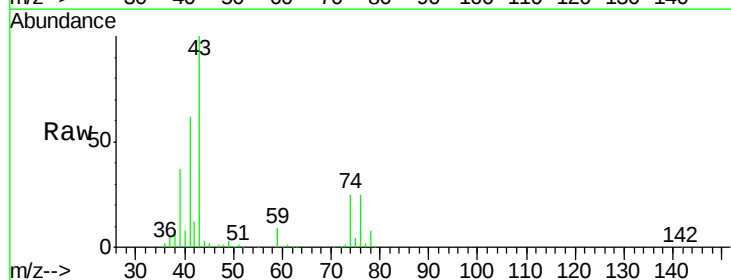
Acq: 8 Aug 2019 15:46

Tgt Ion: 43 Resp: 562589

Ion Ratio Lower Upper

43 100

74 25.5 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-638) (-)

Ion 74.00 (73.70 to 74.70): VN057115.D (-638) (-)

3.89

250000

200000

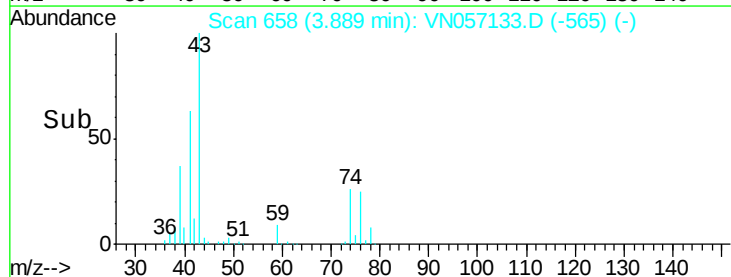
150000

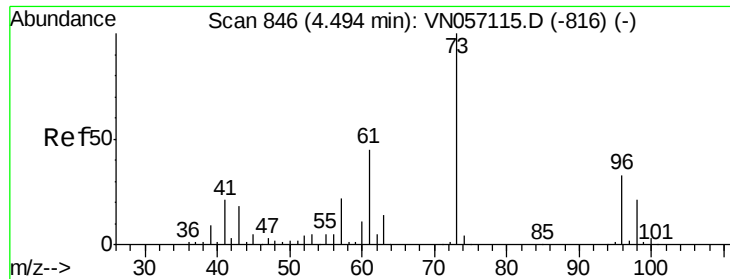
100000

50000

0

Time-->





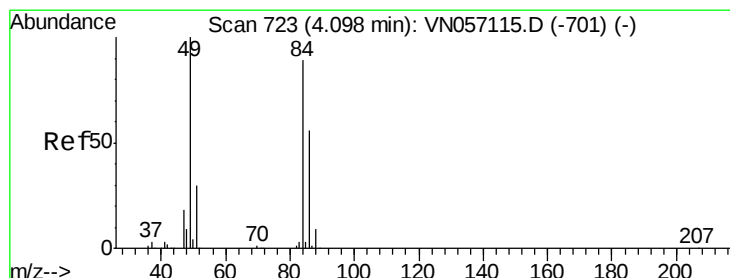
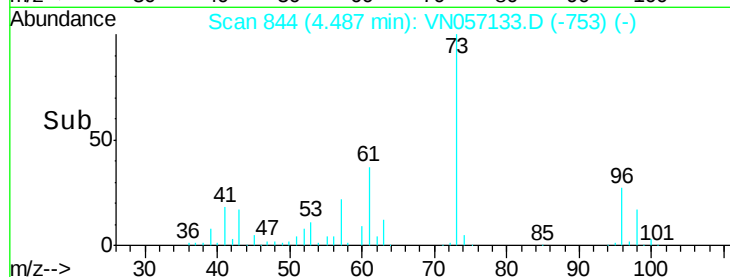
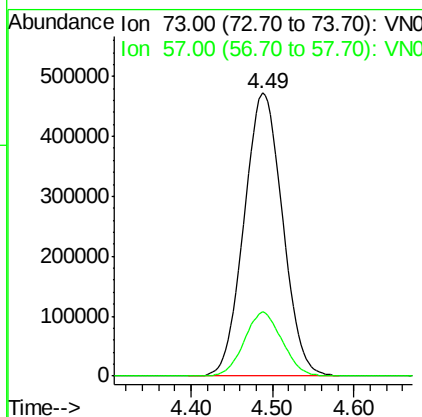
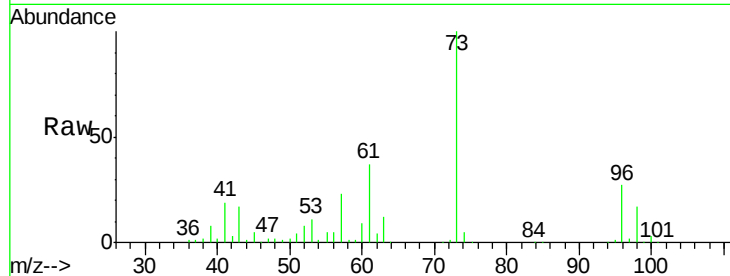
#19
Methvl tert-butvl Ether
Concen: 49.340 ug/l
RT: 4.49 min Scan# 844
Delta R.T. -0.01 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1542846
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0

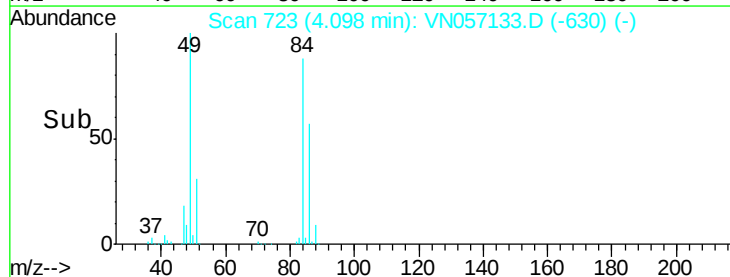
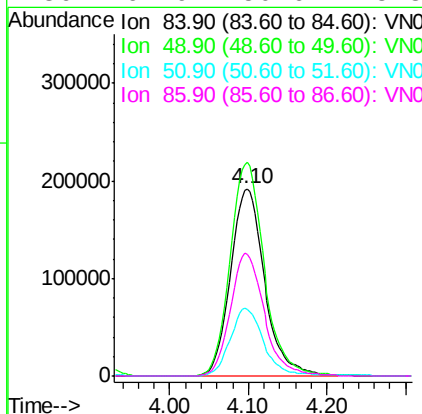
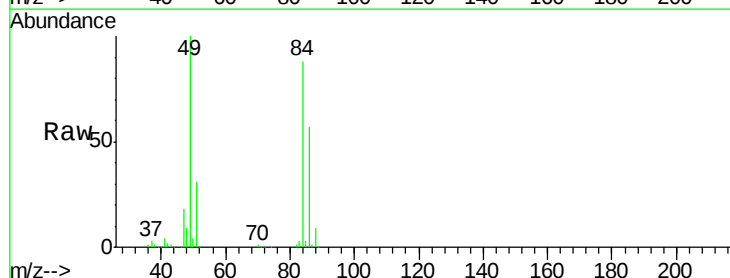
Manual Integrations
APPROVED

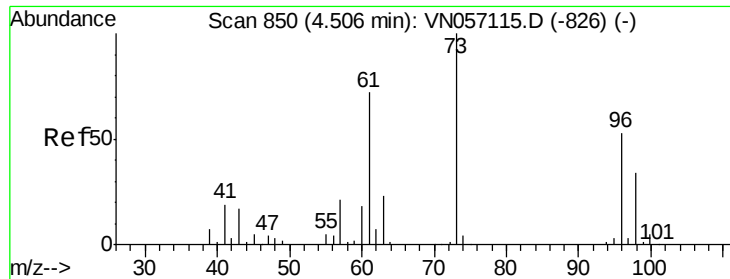
MMDadoda
8/9/2019 9:28:08 AM



#20
Methylene Chloride
Concen: 46.495 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Tgt Ion: 84 Resp: 580130
Ion Ratio Lower Upper
84 100
49 113.8 89.5 134.3
51 35.5 27.2 40.8
86 64.9 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 47.912 ug/l

RT: 4.50 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 540599

Ion Ratio Lower Upper

96 100

61 135.5 108.1 162.1

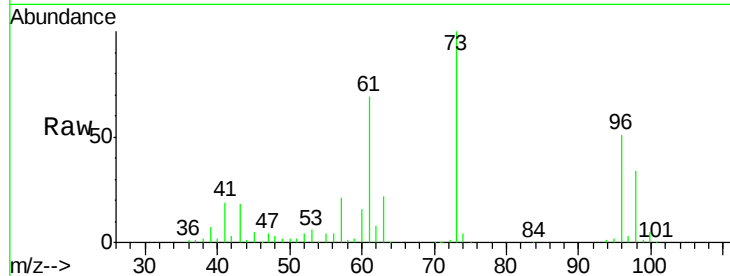
98 66.9 50.5 75.7

Manual Integrations

APPROVED

MMDadoda

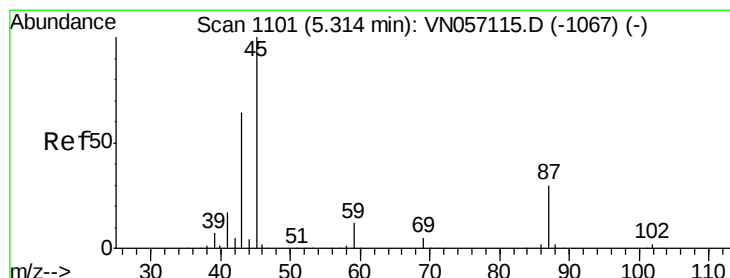
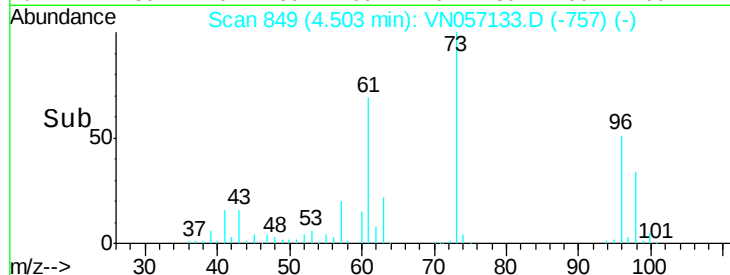
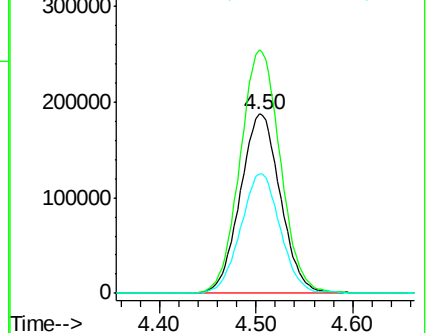
8/9/2019 9:28:08 AM



Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 48.733 ug/l

RT: 5.31 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Tgt Ion: 45 Resp: 1600032

Ion Ratio Lower Upper

45 100

43 66.3 54.1 81.1

87 29.8 24.0 36.0

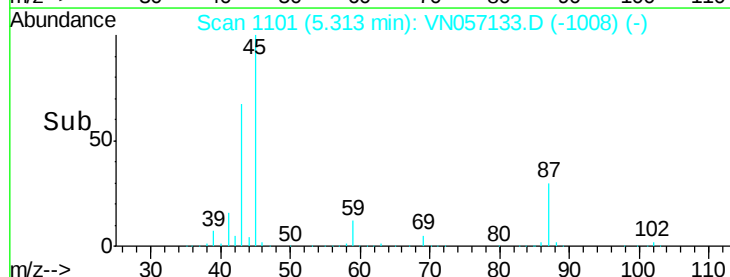
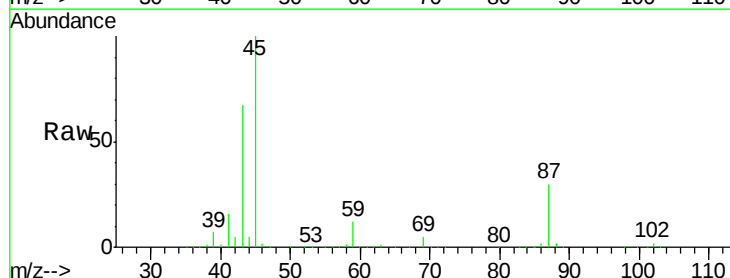
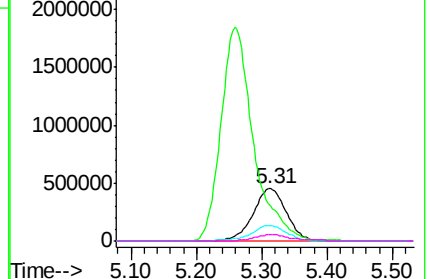
59 12.0 10.0 15.0

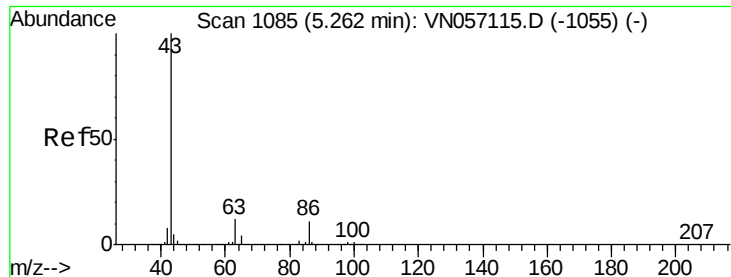
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 254.279 ug/l

RT: 5.26 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Tot Ion: 43 Resp: 6393131

Ion Ratio Lower Upper

43 100

86 11.1 9.2 13.8

Instrument :

MSVOA_N

ClientSampleId :

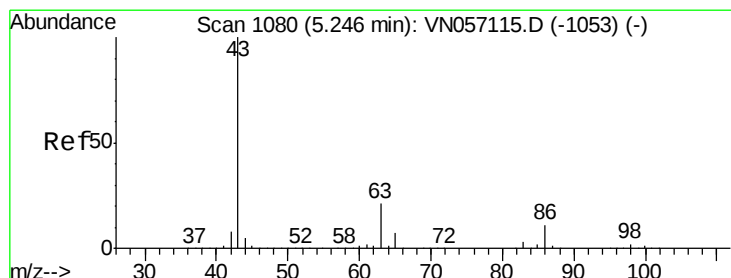
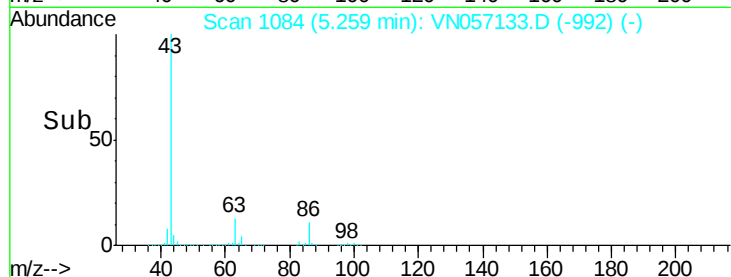
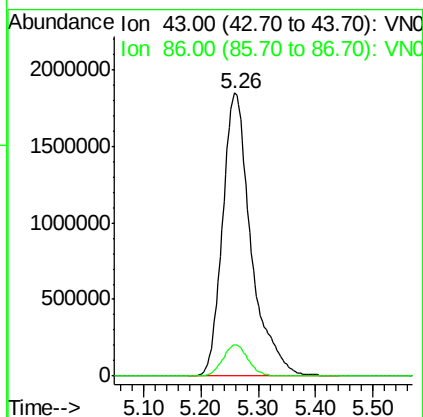
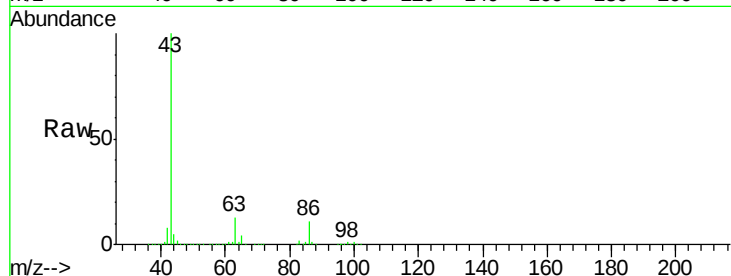
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

8/9/2019 9:28:08 AM



#24

1,1-Dichloroethane

Concen: 48.421 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

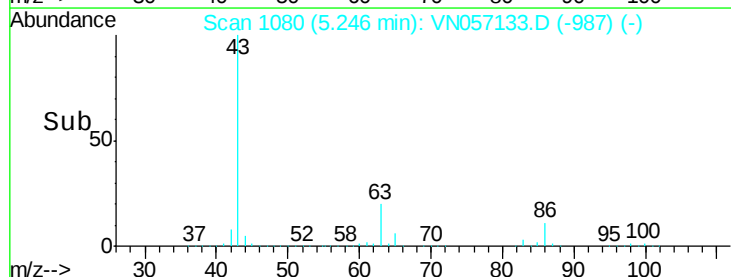
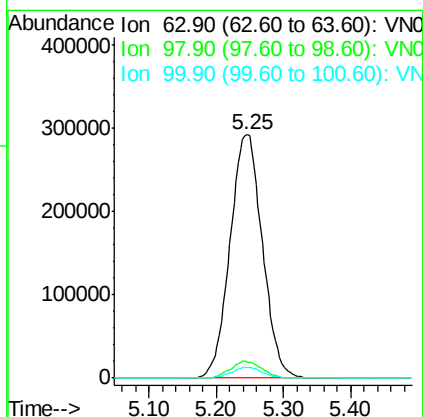
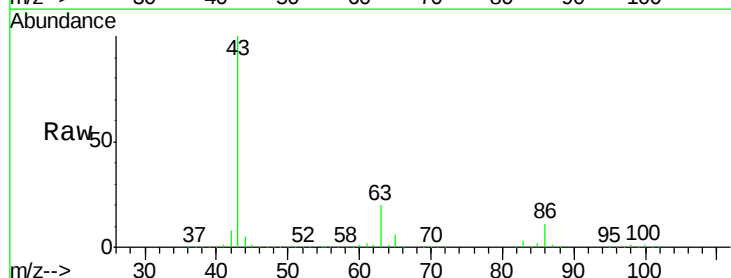
Tgt Ion: 63 Resp: 977304

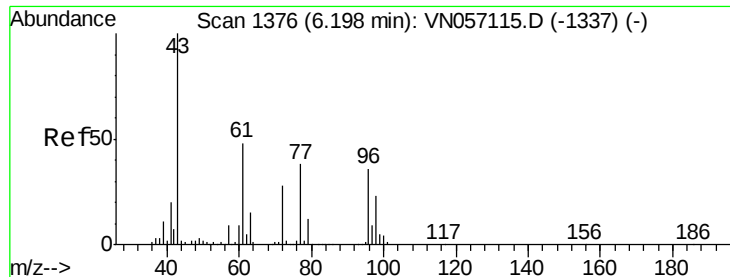
Ion Ratio Lower Upper

63 100

98 6.6 3.8 11.2

100 4.3 2.1 6.3





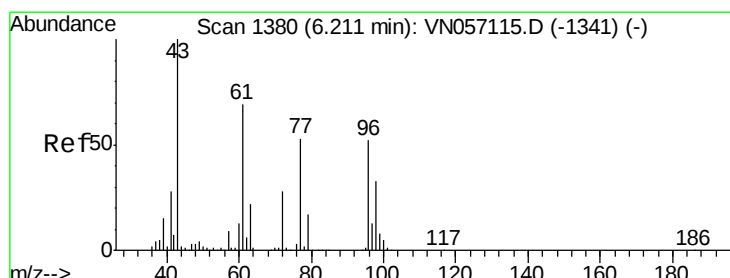
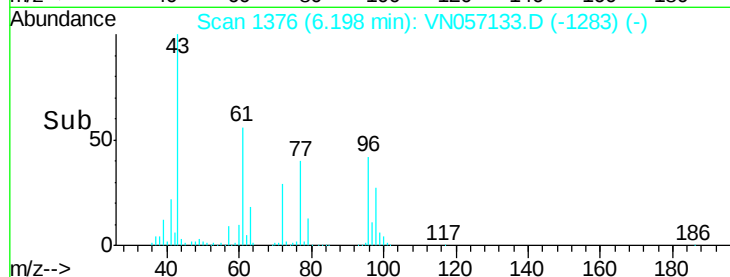
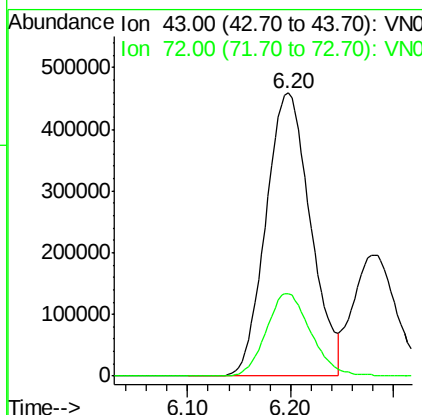
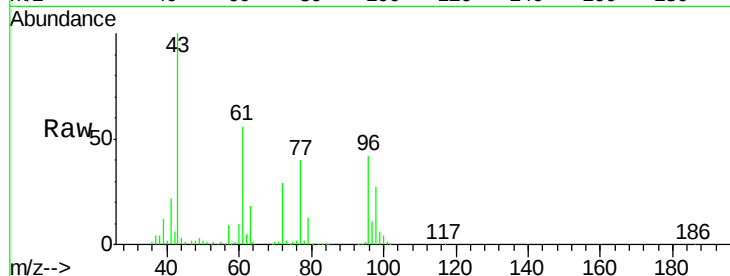
#25
2-Butanone
Concen: 238.620 ug/l
RT: 6.20 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1378331
Ion Ratio Lower Upper
43 100
72 29.3 22.2 33.4

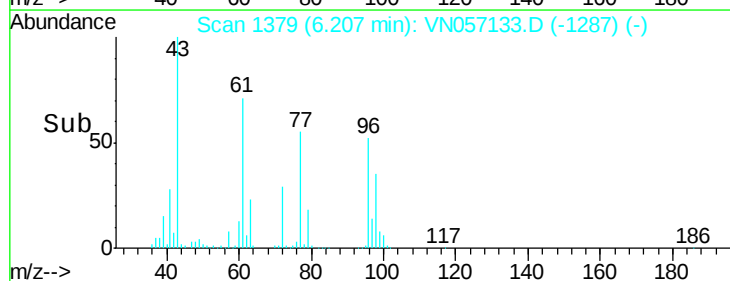
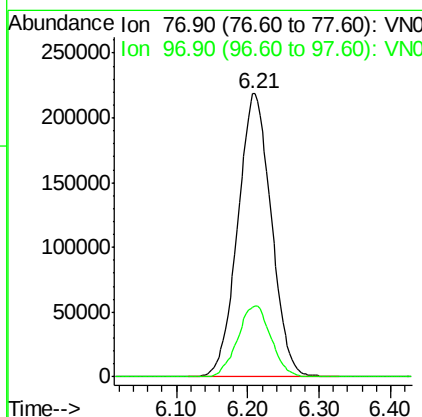
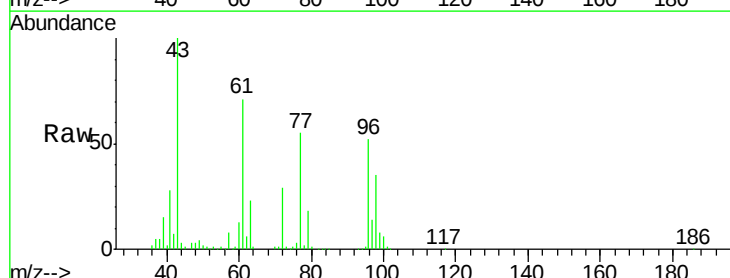
Manual Integrations
APPROVED

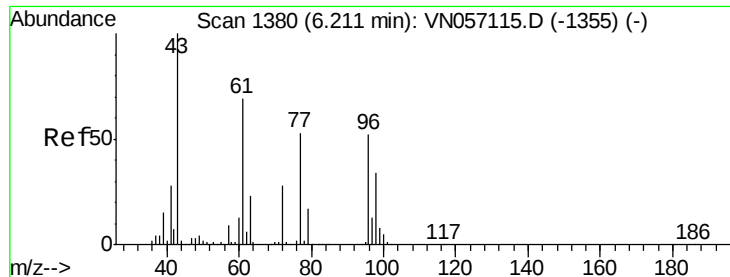
MMDadoda
8/9/2019 9:28:08 AM



#26
2,2-Dichloropropane
Concen: 48.726 ug/l
RT: 6.21 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Tgt Ion: 77 Resp: 715496
Ion Ratio Lower Upper
77 100
97 25.0 12.3 36.8





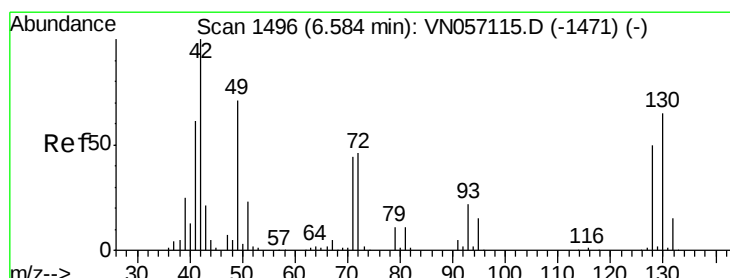
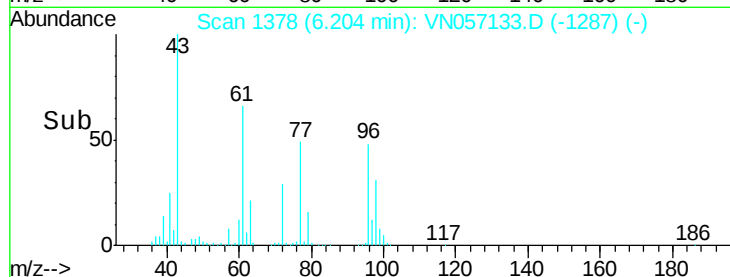
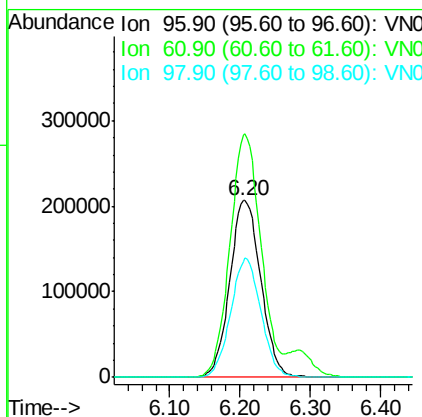
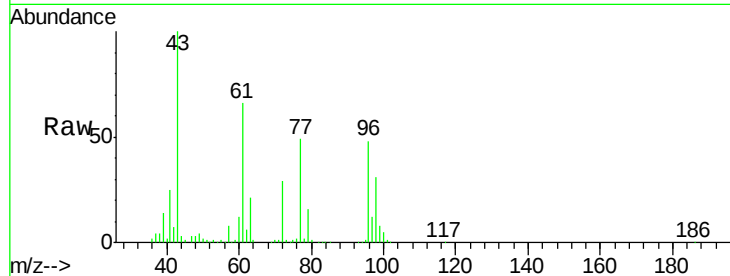
#27
 cis-1,2-Dichloroethene
 Concen: 49.212 ug/l
 RT: 6.20 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	636109		
61	137.3	0.0	273.4	
98	65.8	0.0	130.4	

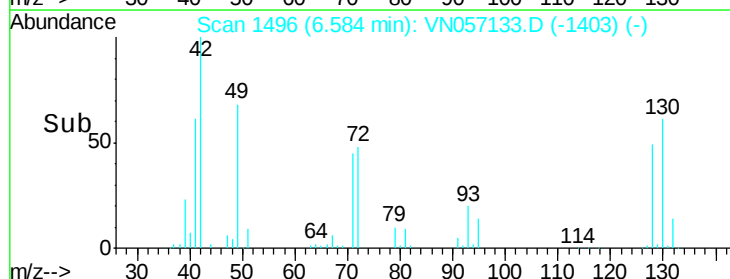
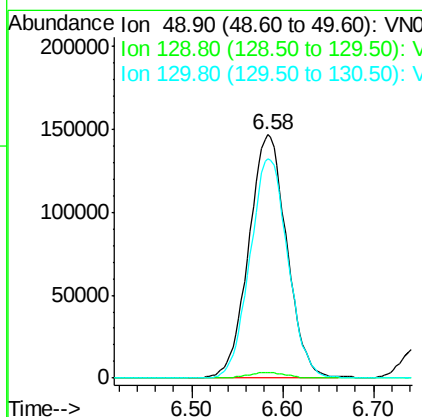
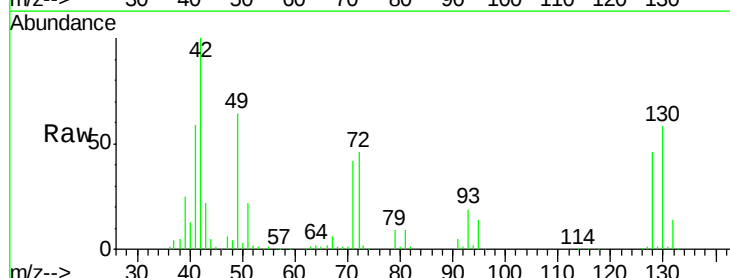
Manual Integrations
 APPROVED

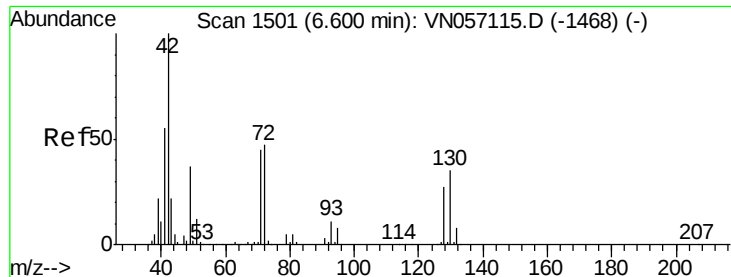
MMDadoda
 8/9/2019 9:28:08 AM



#28
 Bromochloromethane
 Concen: 45.830 ug/l
 RT: 6.58 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	425472		
129	2.3	0.0	4.8	
130	90.0	73.8	110.8	





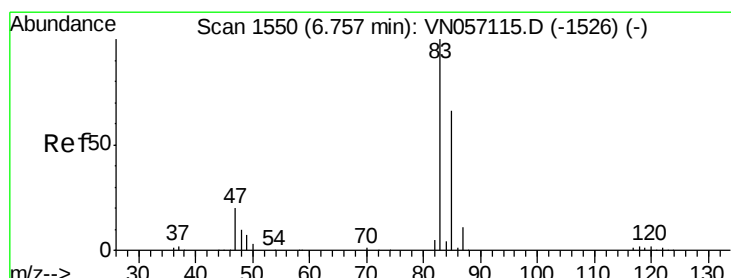
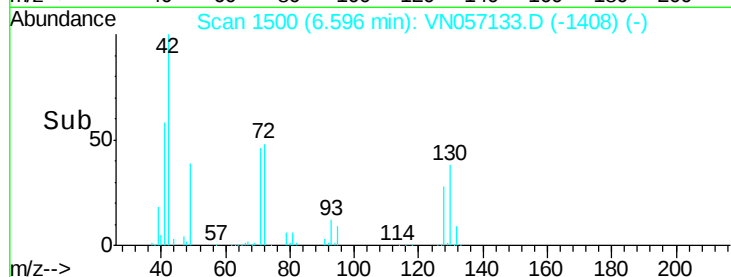
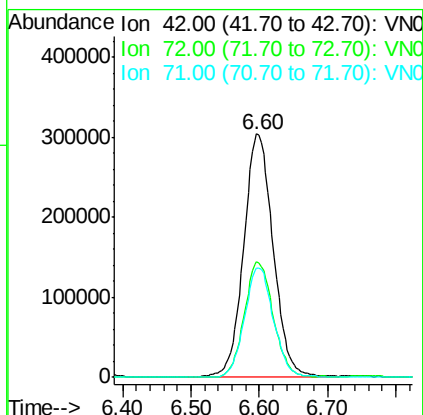
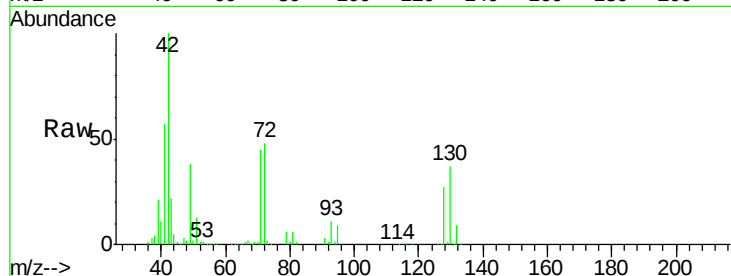
#29
Tetrahydrofuran
Concen: 234.653 ug/l
RT: 6.60 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.1	55.7
71	44.4	34.8	52.2

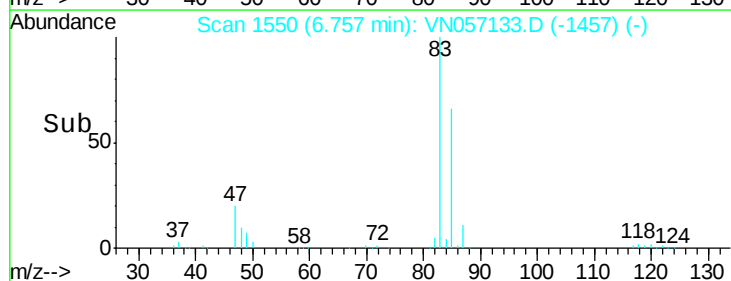
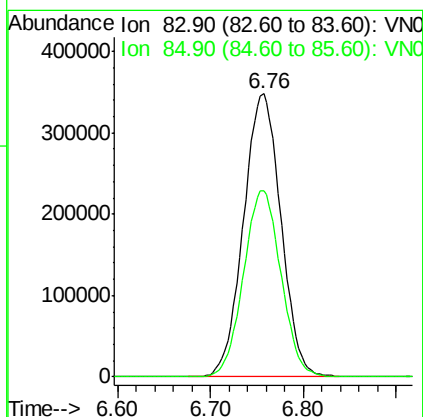
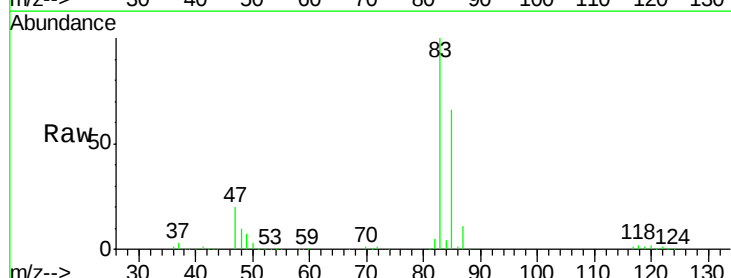
Manual Integrations
APPROVED

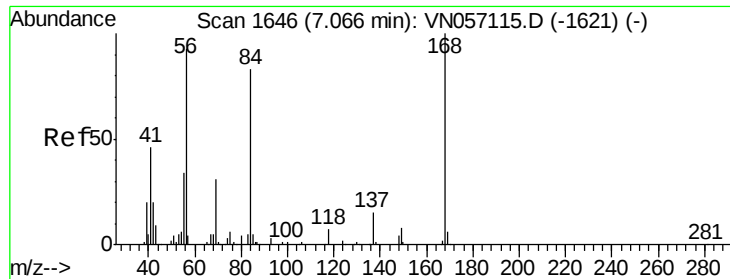
MMDadoda
8/9/2019 9:28:08 AM



#30
Chloroform
Concen: 46.711 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	78.8





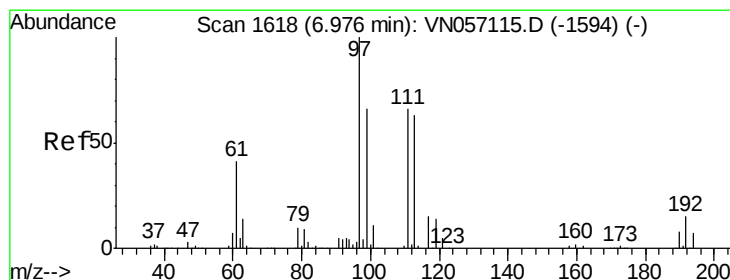
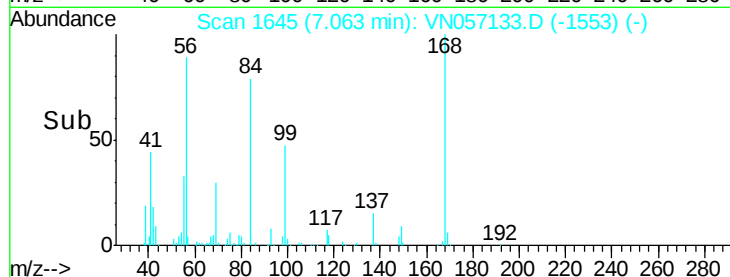
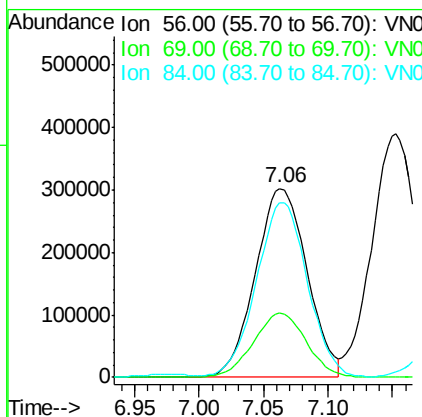
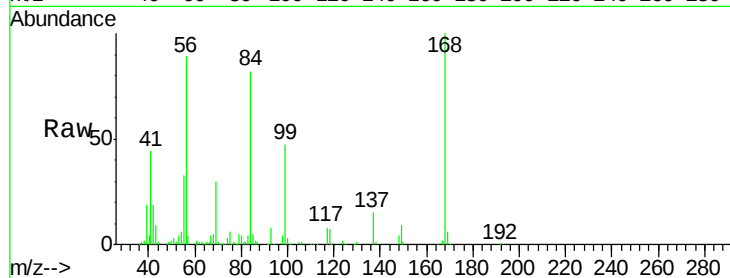
#31
Cyclohexane
Concen: 46.510 ug/l
RT: 7.06 min Scan# 1645
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	26.9	40.3
84	91.1	71.9	107.9

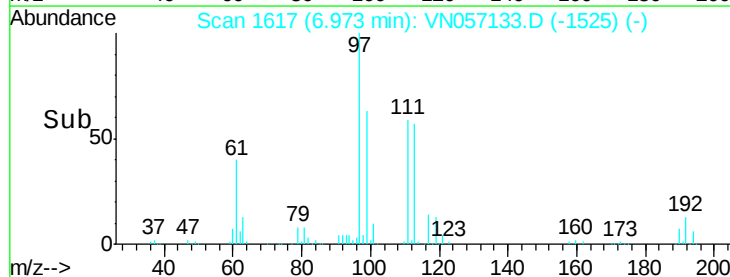
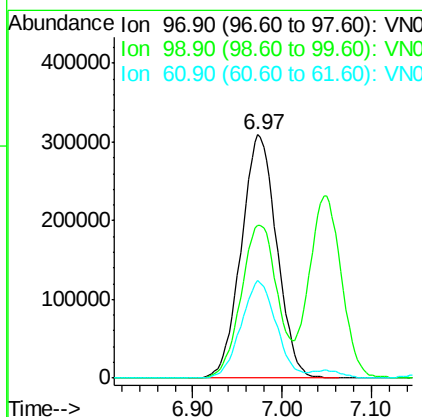
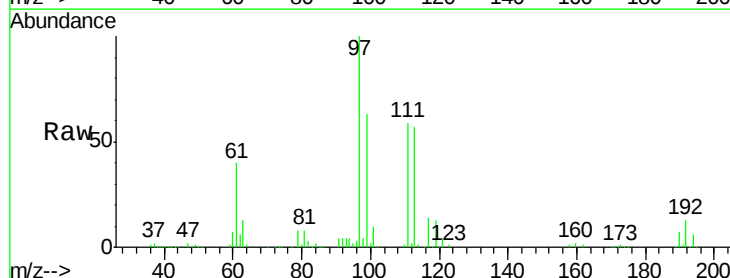
Manual Integrations
APPROVED

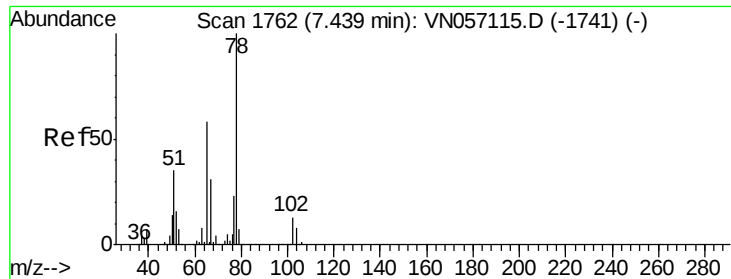
MMDadoda
8/9/2019 9:28:08 AM



#32
1,1,1-Trichloroethane
Concen: 48.910 ug/l
RT: 6.97 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.6
61	39.6	32.7	49.1





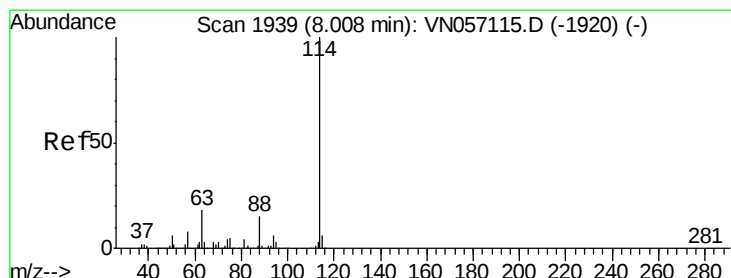
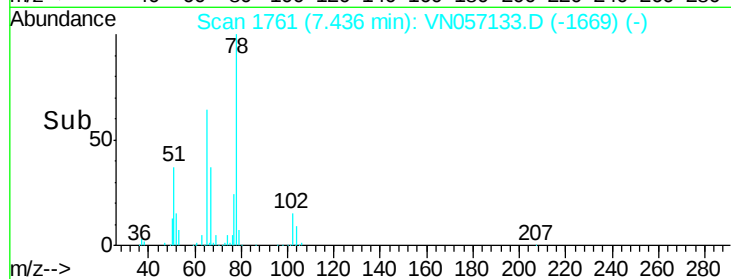
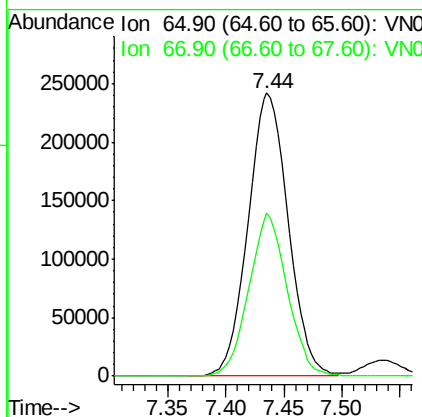
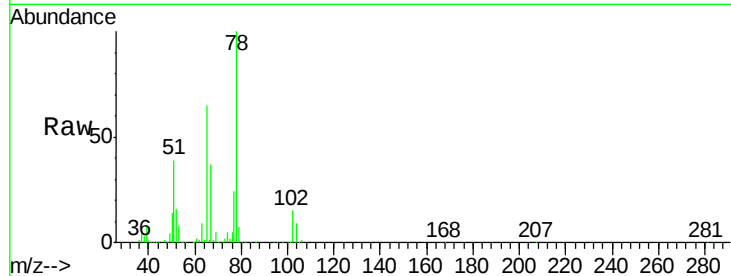
#33
 1,2-Dichloroethane-d4
 Concen: 46.566 ug/l
 RT: 7.44 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	108.2

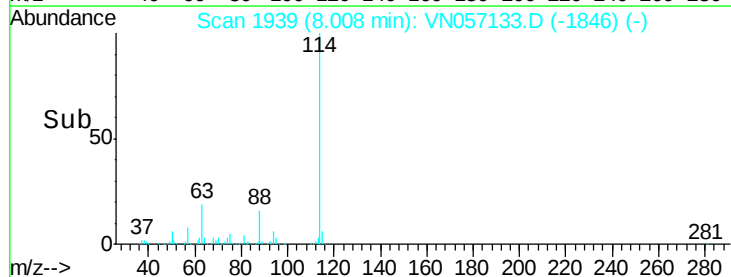
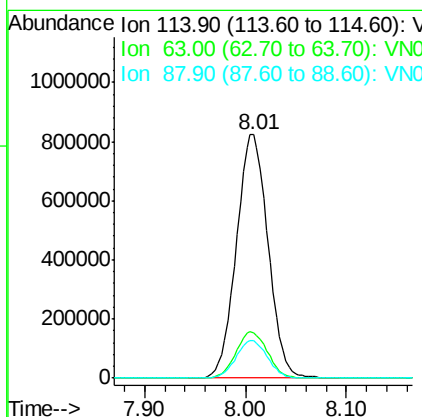
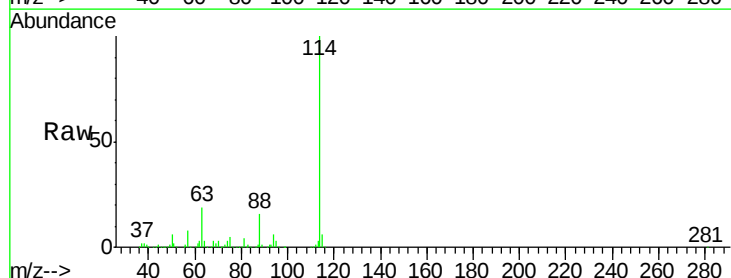
Manual Integrations
 APPROVED

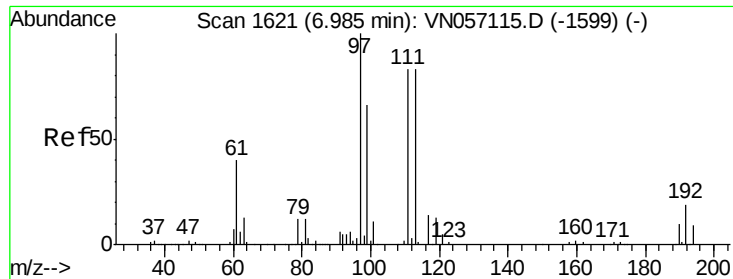
MMDadoda
 8/9/2019 9:28:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	36.2
88	15.5	0.0	30.0





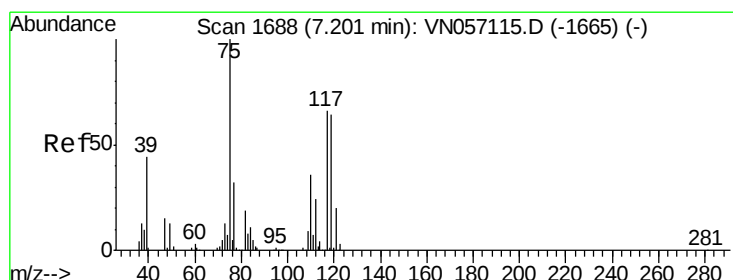
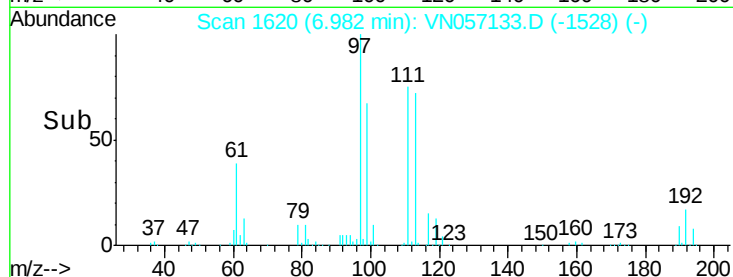
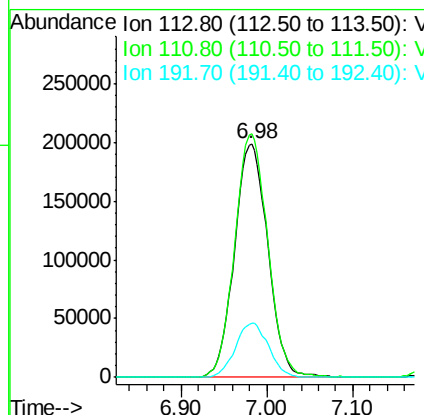
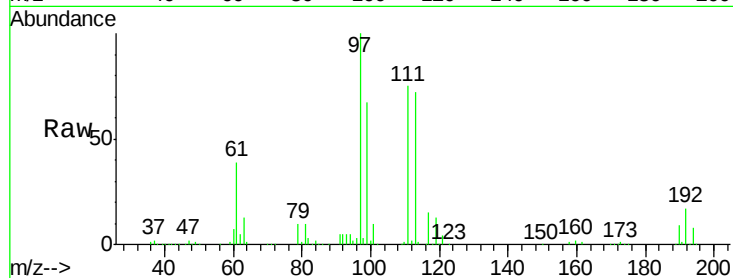
#35
 Dibromofluoromethane
 Concen: 47.764 ug/l
 RT: 6.98 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	536714		
111	103.3	81.3	121.9	
192	23.1	19.0	28.4	

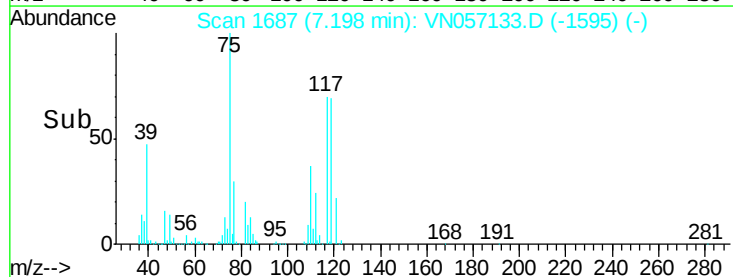
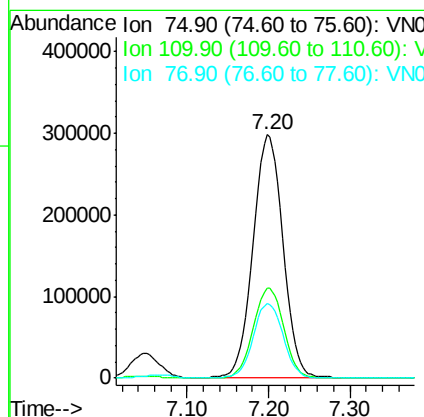
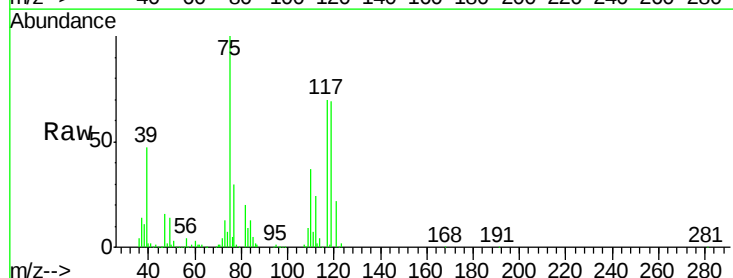
Manual Integrations
 APPROVED

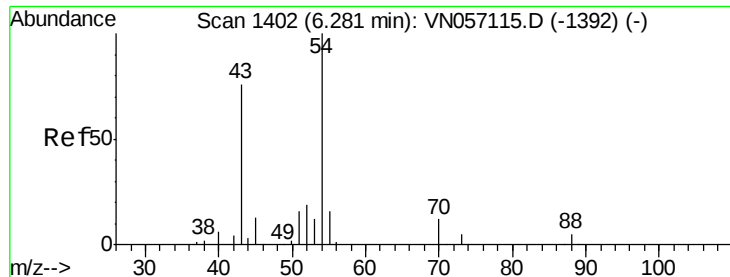
MMDadoda
 8/9/2019 9:28:08 AM



#36
 1,1-Dichloropropene
 Concen: 51.154 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	754189		
110	37.5	18.7	56.1	
77	30.8	25.0	37.4	





#37

Ethyl Acetate

Concen: 47.581 ug/l

RT: 6.28 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

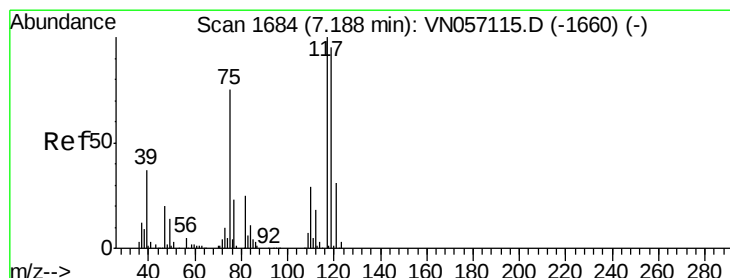
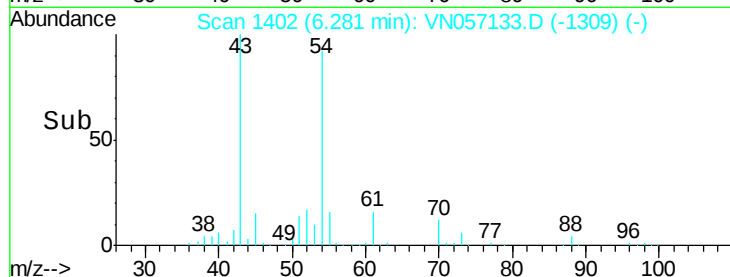
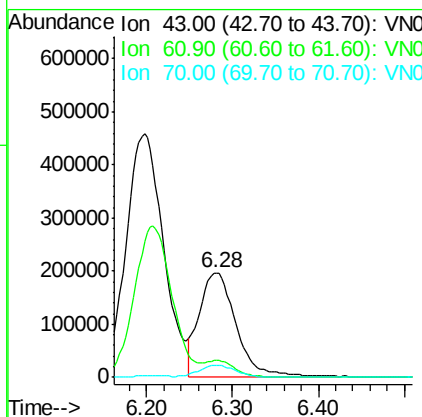
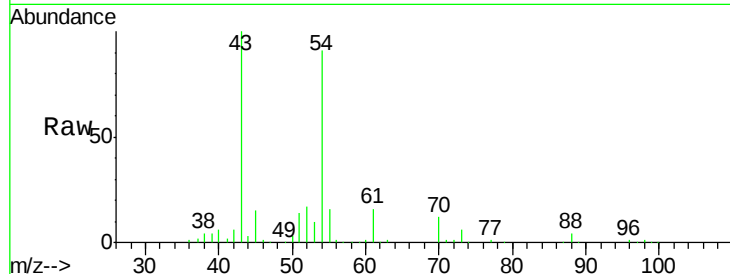
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	578288
Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	11.5	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:08 AM



#38

Carbon Tetrachloride

Concen: 48.703 ug/l

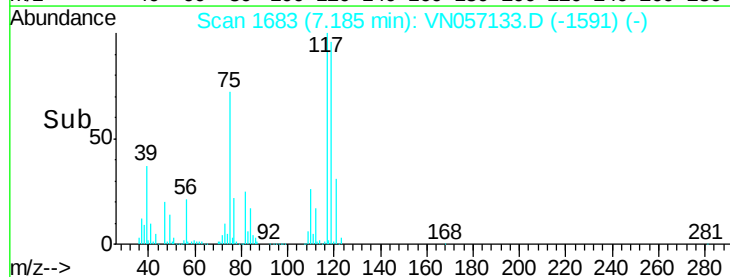
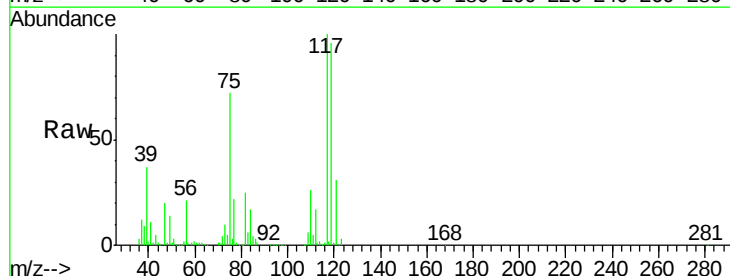
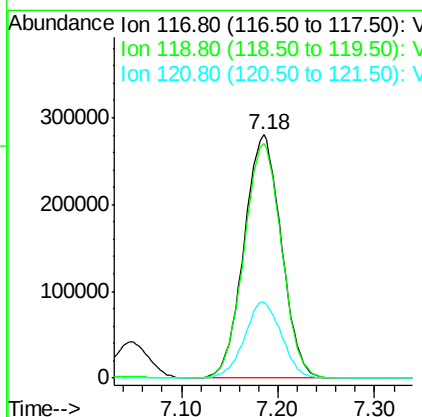
RT: 7.18 min Scan# 1683

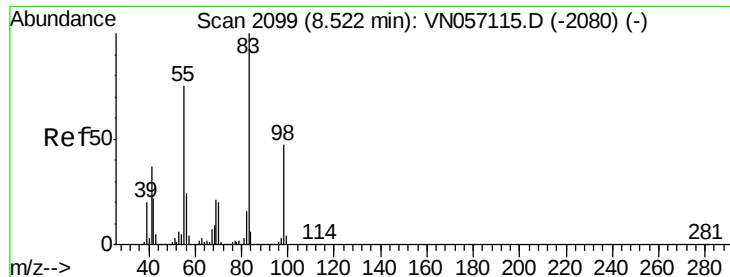
Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Tgt Ion:	117	Resp:	748340
Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.8	113.6
121	31.2	24.4	36.6





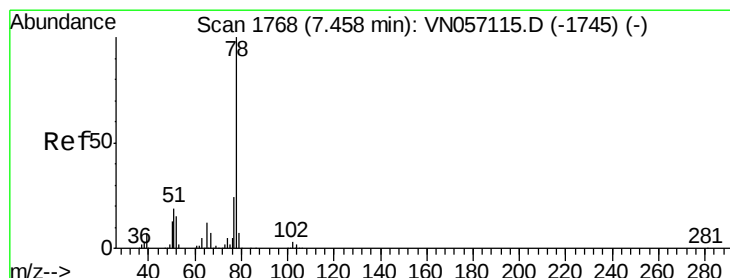
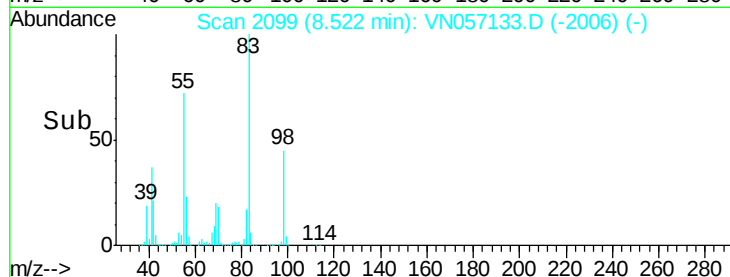
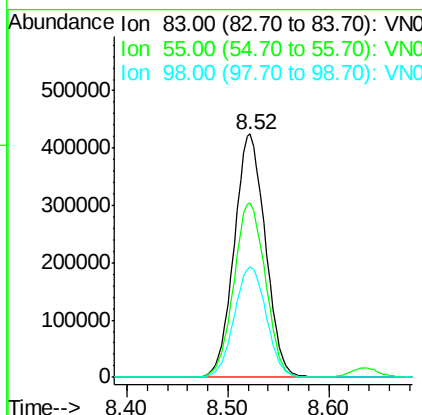
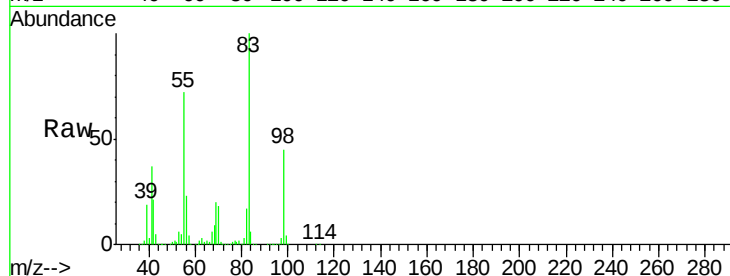
#39
Methvlcvclohexane
Concen: 50.748 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.6	60.3	90.5
98	45.2	37.9	56.9

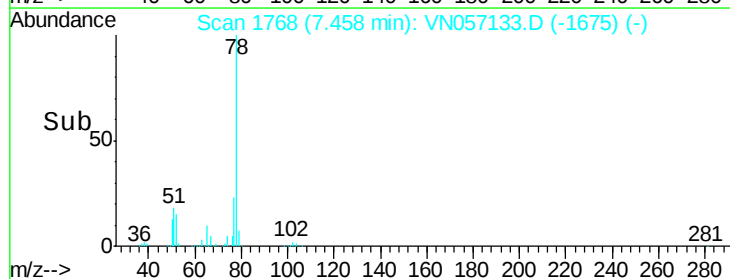
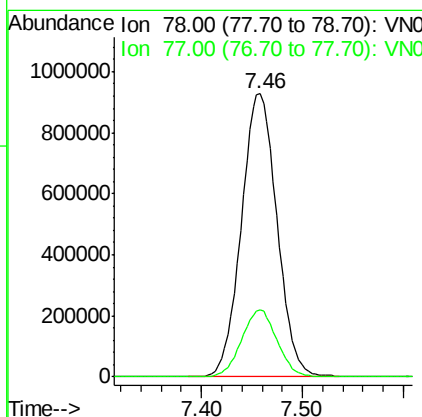
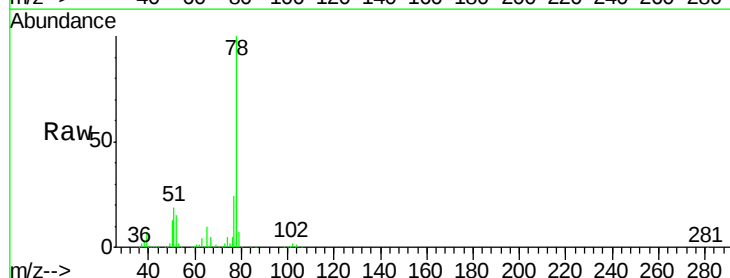
Manual Integrations
APPROVED

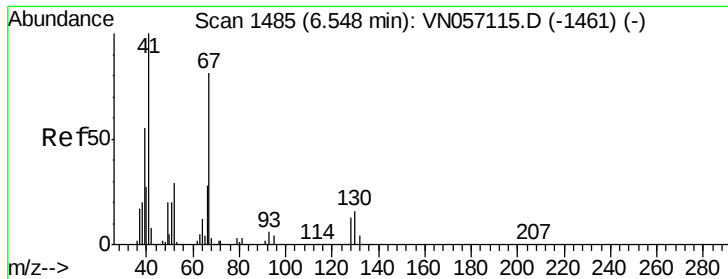
MMDadoda
8/9/2019 9:28:08 AM



#40
Benzene
Concen: 48.633 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8





#41

Methacrylonitrile

Concen: 48.618 ug/l

RT: 6.54 min Scan# 1484

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

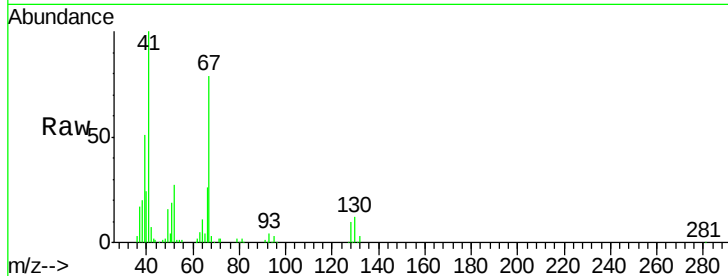
ClientSampled :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		300150		
39	57.5	44.9	67.3		
67	89.4	69.1	103.7		
52	32.9	25.8	38.6		

Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:08 AM

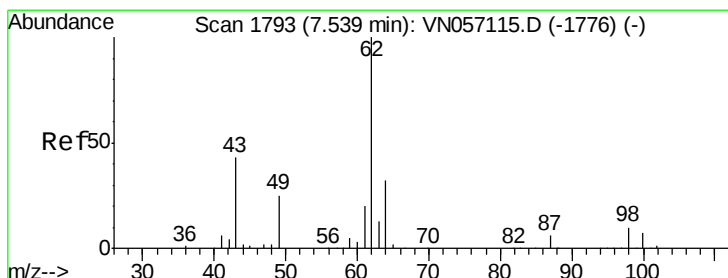
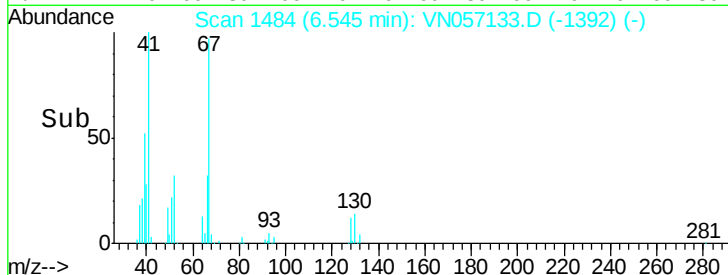
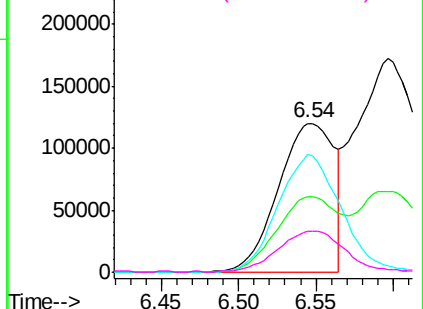


Abundance Ion 41.00 (40.70 to 41.70): VN057115.D (-1461) (-)

Ion 39.00 (38.70 to 39.70): VN057115.D (-1461) (-)

Ion 67.00 (66.70 to 67.70): VN057115.D (-1461) (-)

Ion 52.00 (51.70 to 52.70): VN057115.D (-1461) (-)



#42

1,2-Dichloroethane

Concen: 47.720 ug/l

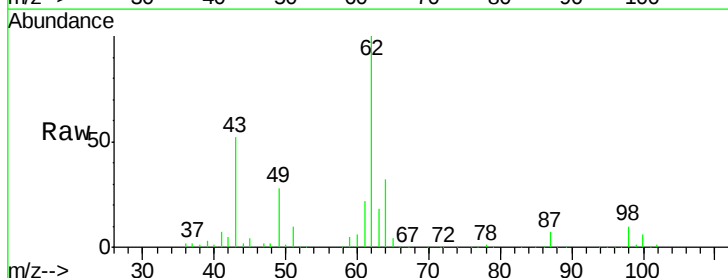
RT: 7.54 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VN057133.D

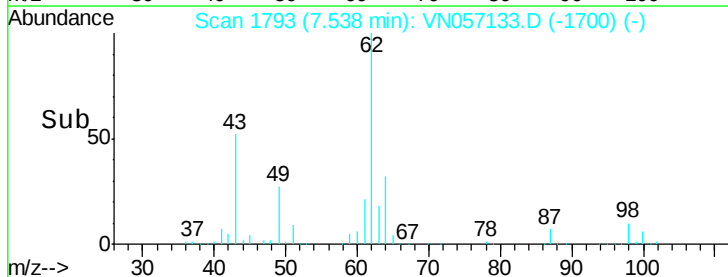
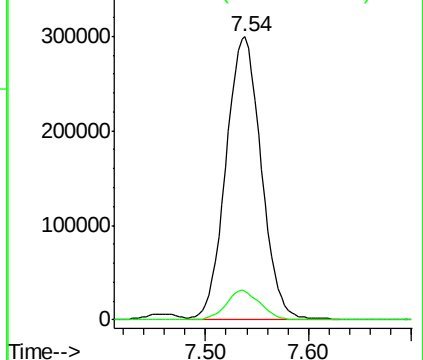
Acq: 8 Aug 2019 15:46

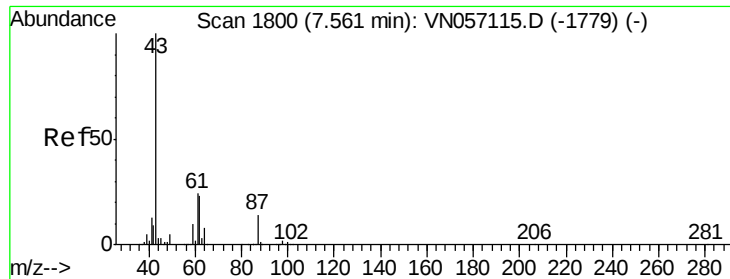
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		710330		
98	10.4	0.0	19.4		



Abundance Ion 61.90 (61.60 to 62.60): VN057115.D (-1776) (-)

Ion 97.90 (97.60 to 98.60): VN057115.D (-1776) (-)





#43

Isopropyl Acetate

Concen: 54.097 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1122013

Ion Ratio Lower Upper

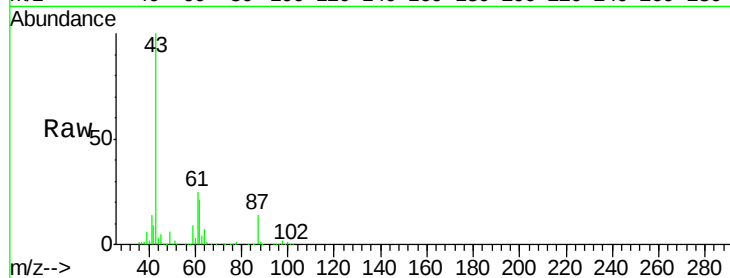
43 100

61 27.0 24.2 36.2

87 13.5 11.8 17.8

Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:08 AM

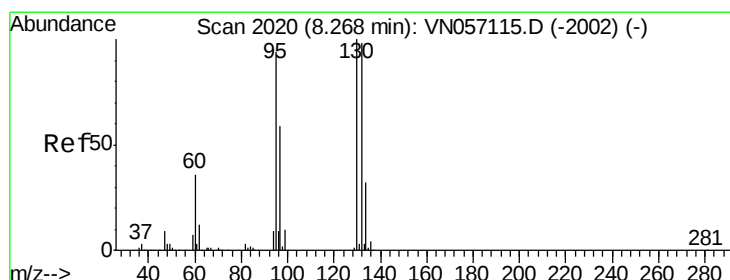
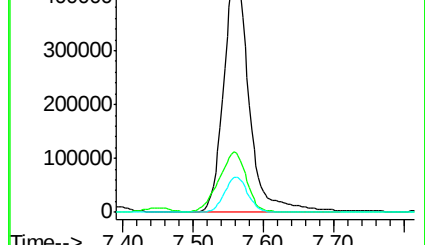
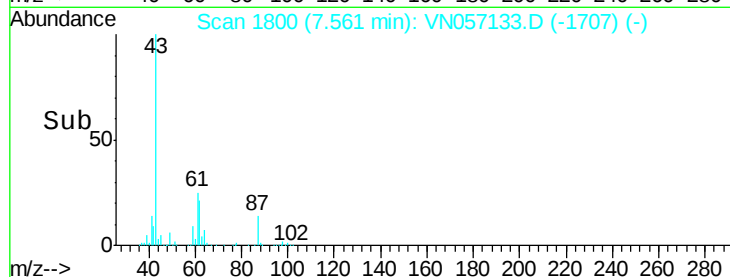


Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-1779) (-)

Ion 61.00 (60.70 to 61.70): VN057115.D (-1779) (-)

Ion 87.00 (86.70 to 87.70): VN057115.D (-1779) (-)

Time-->



#44

Trichloroethene

Concen: 49.157 ug/l

RT: 8.27 min Scan# 2019

Delta R.T. -0.00 min

Lab File: VN057133.D

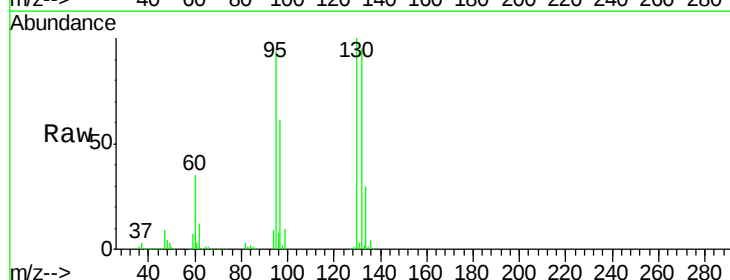
Acq: 8 Aug 2019 15:46

Tgt Ion: 130 Resp: 642784

Ion Ratio Lower Upper

130 100

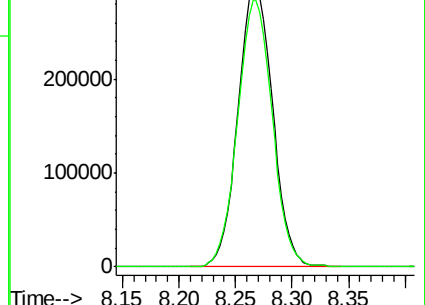
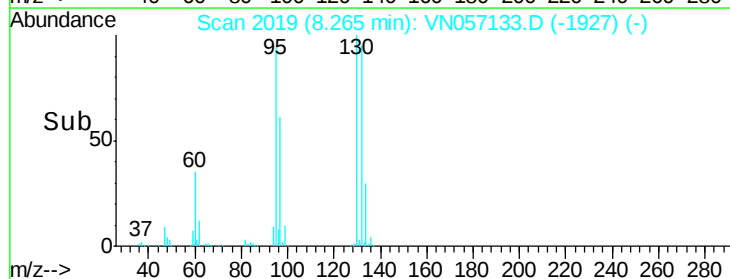
95 94.3 0.0 187.4

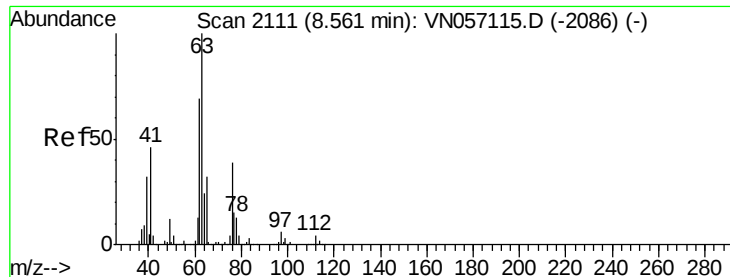


Abundance Ion 129.80 (129.50 to 130.50): VN057115.D (-2002) (-)

Ion 94.90 (94.60 to 95.60): VN057115.D (-2002) (-)

Time-->





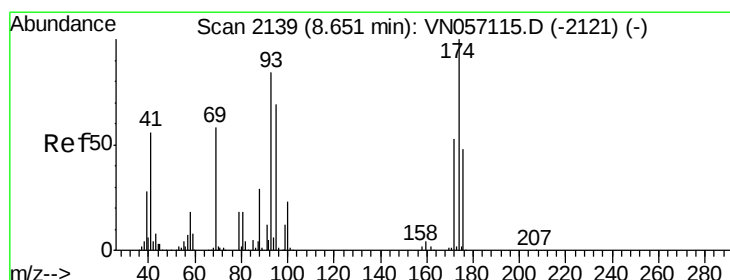
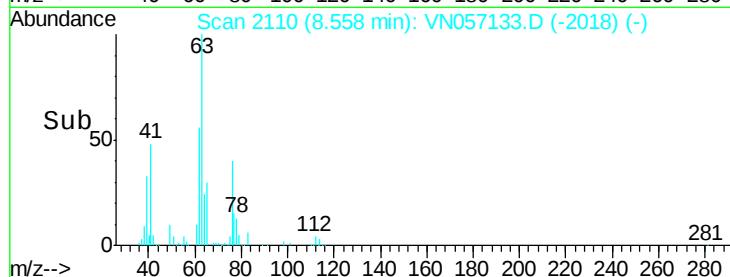
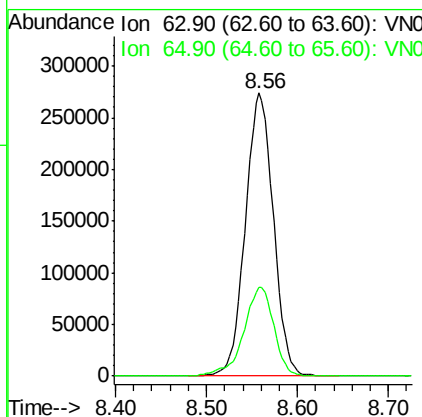
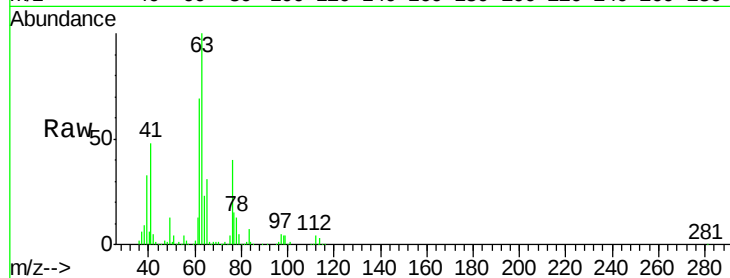
#45
 1,2-Dichloropropane
 Concen: 48.475 ug/l
 RT: 8.56 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.2	37.8

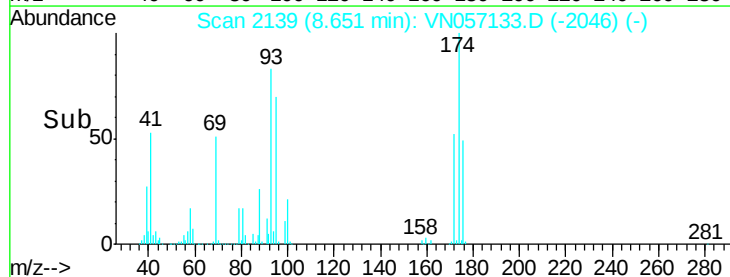
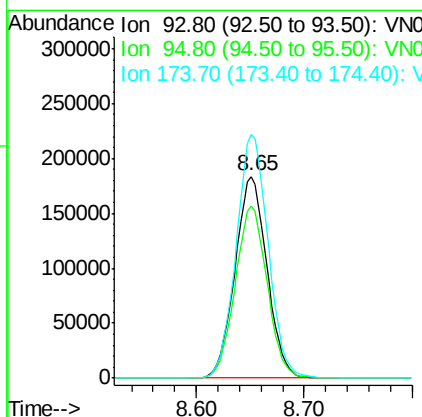
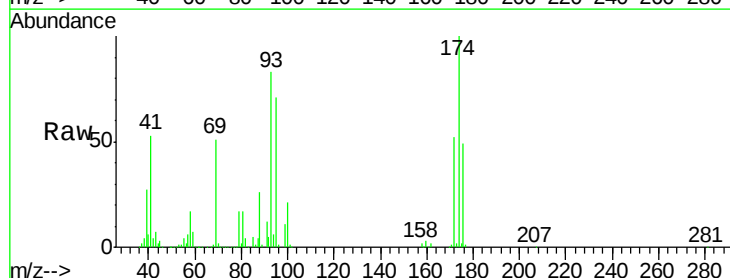
Manual Integrations
 APPROVED

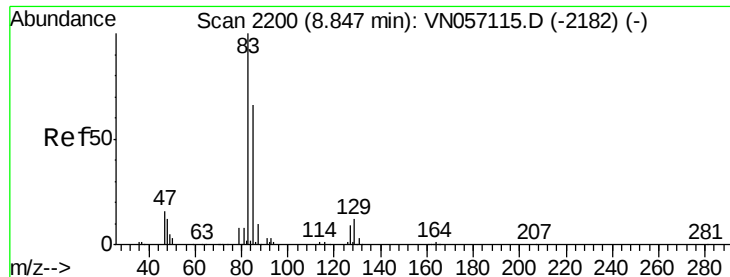
MMDadoda
 8/9/2019 9:28:08 AM



#46
 Dibromomethane
 Concen: 48.987 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.1	66.0	99.0
174	120.6	96.0	144.0





#47

Bromodichloromethane

Concen: 50.671 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

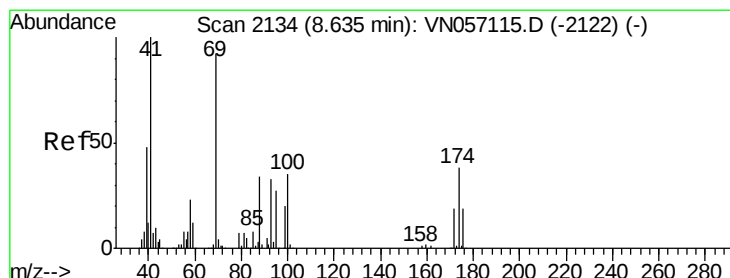
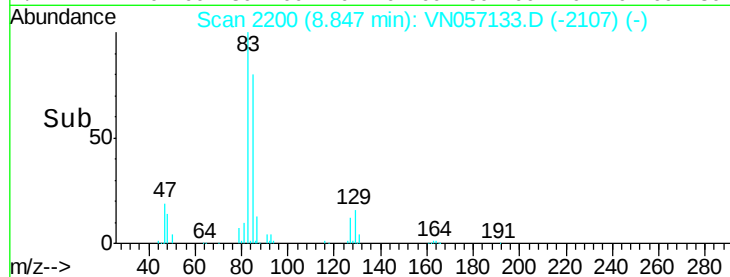
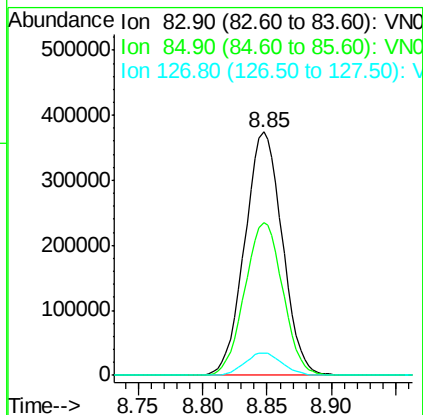
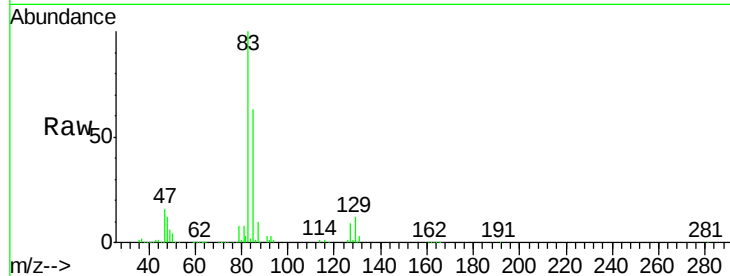
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	759734
Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.6	78.8
127	9.3	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:08 AM



#48

Methyl methacrylate

Concen: 48.453 ug/l

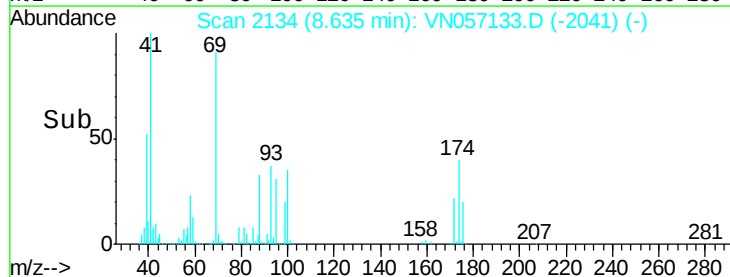
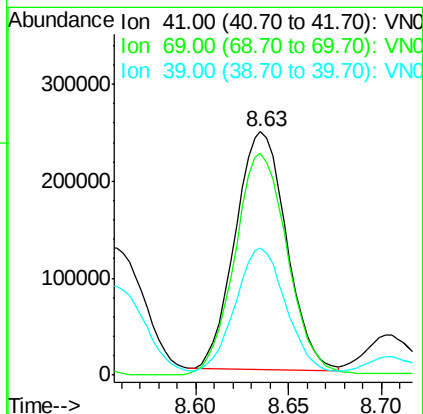
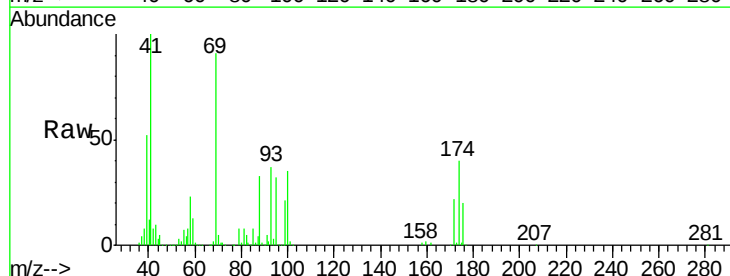
RT: 8.63 min Scan# 2134

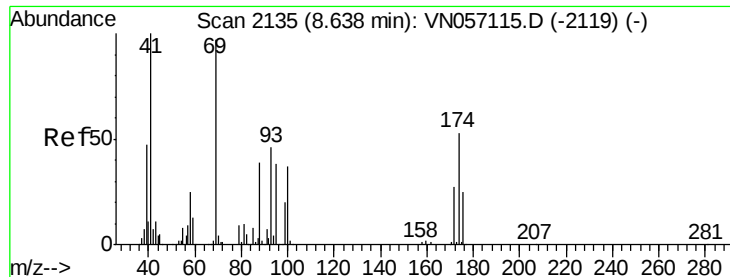
Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Tgt Ion:	41	Resp:	473879
Ion	Ratio	Lower	Upper
41	100		
69	96.1	77.5	116.3
39	50.7	39.8	59.6





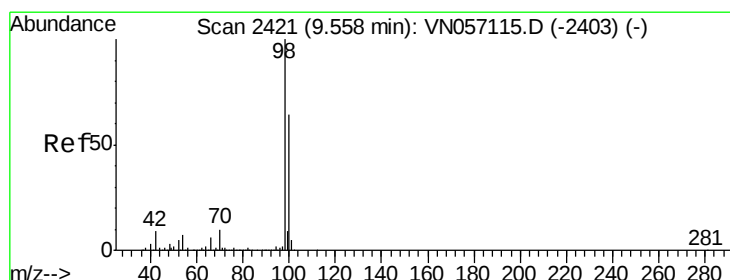
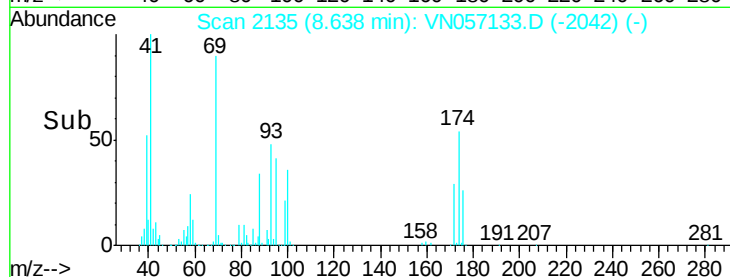
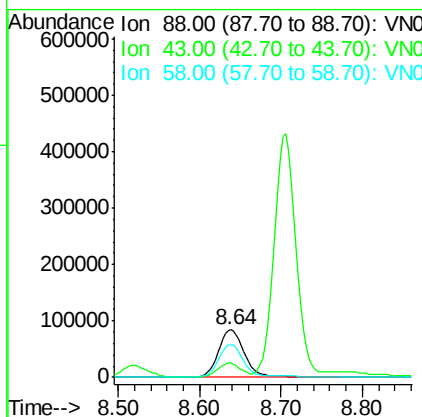
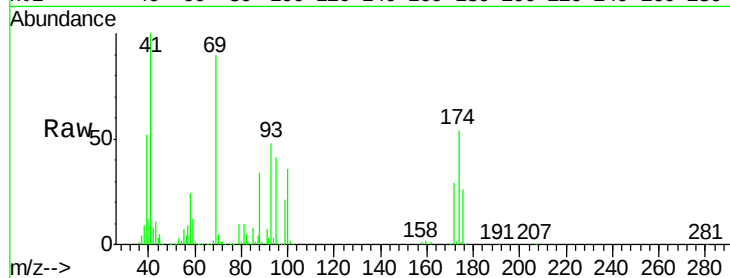
#49
1,4-Dioxane
Concen: 958.707 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.6	21.7	32.5
58	65.8	51.1	76.7

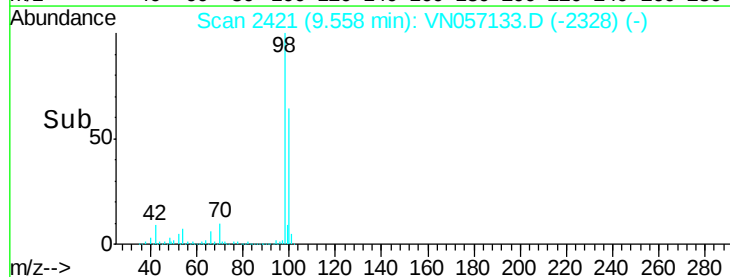
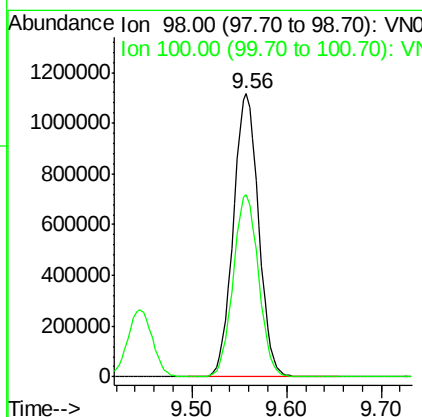
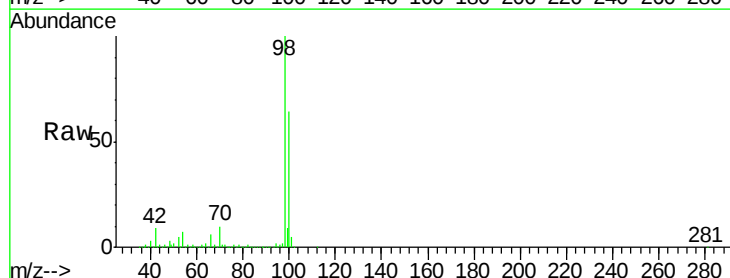
Manual Integrations
APPROVED

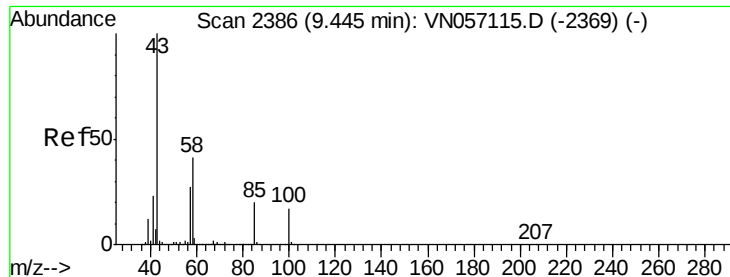
MMDadoda
8/9/2019 9:28:08 AM



#50
Toluene-d8
Concen: 48.061 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 240.858 ug/l

RT: 9.45 min Scan# 2386

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2907365

Ion Ratio Lower Upper

43 100

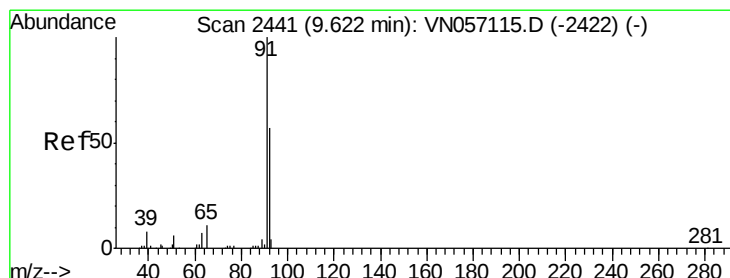
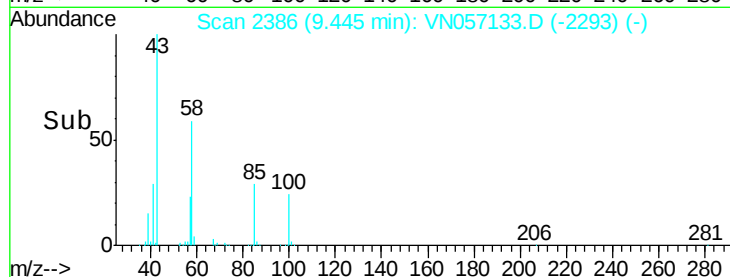
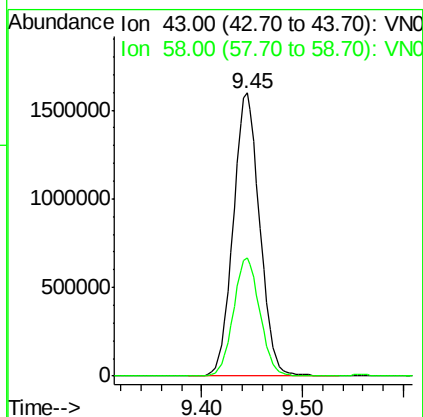
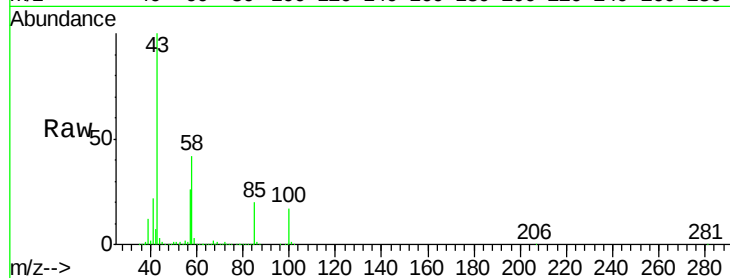
58 41.7 33.2 49.8

Manual Integrations

APPROVED

MMDadoda

8/9/2019 9:28:08 AM



#52

Toluene

Concen: 50.073 ug/l

RT: 9.62 min Scan# 2441

Delta R.T. -0.00 min

Lab File: VN057133.D

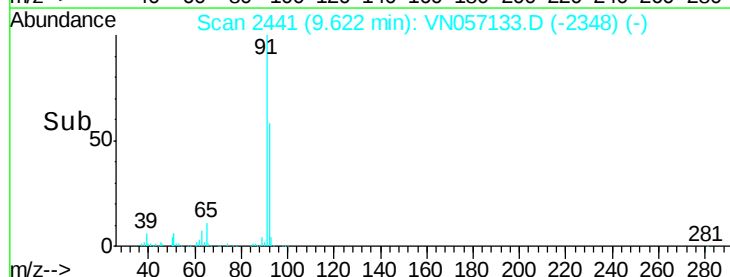
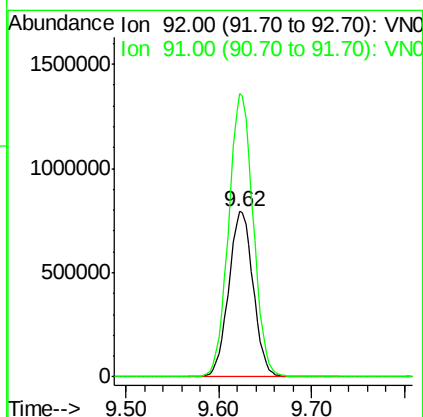
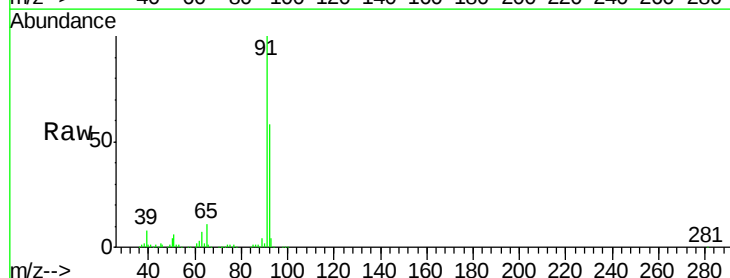
Acq: 8 Aug 2019 15:46

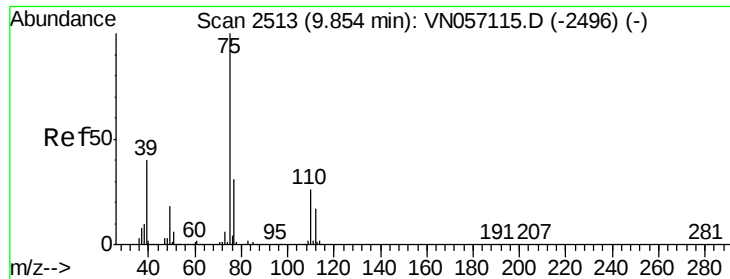
Tgt Ion: 92 Resp: 1450697

Ion Ratio Lower Upper

92 100

91 171.9 139.8 209.8





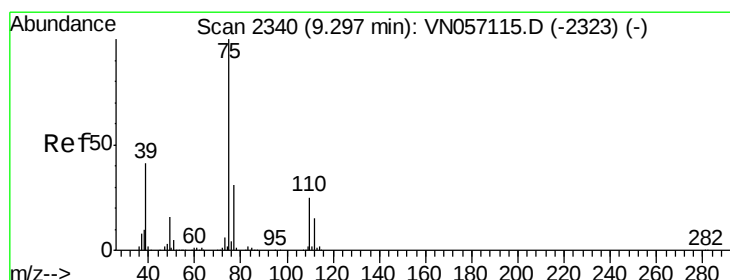
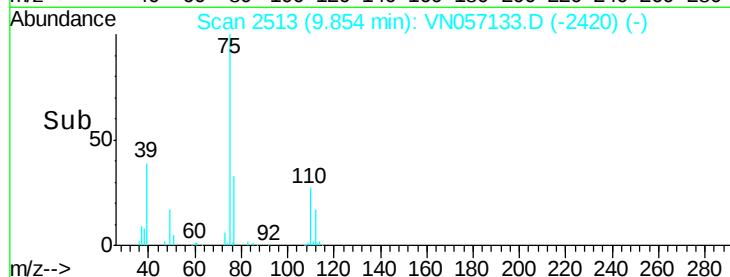
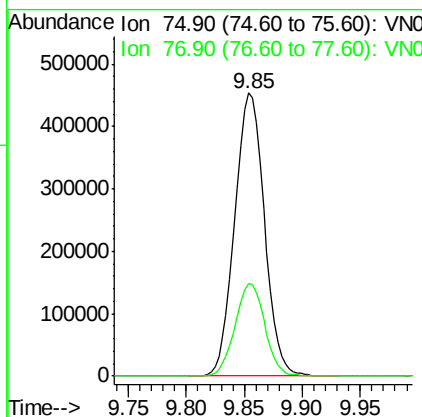
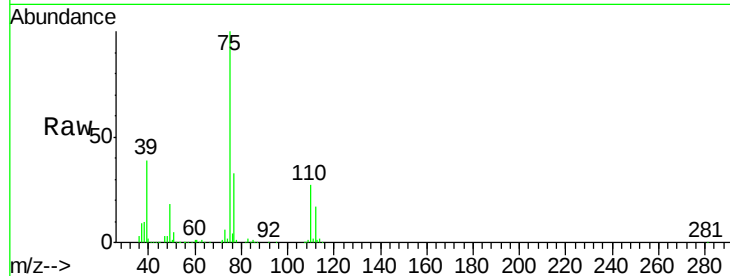
#53
t-1,3-Dichloropropene
Concen: 51.423 ug/l
RT: 9.85 min Scan# 2513
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.8	37.2

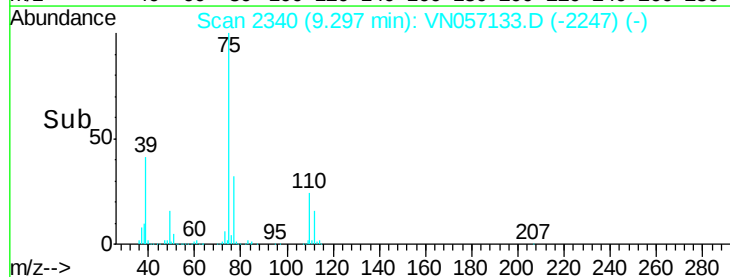
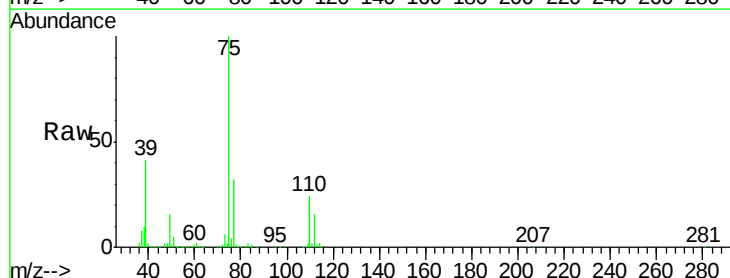
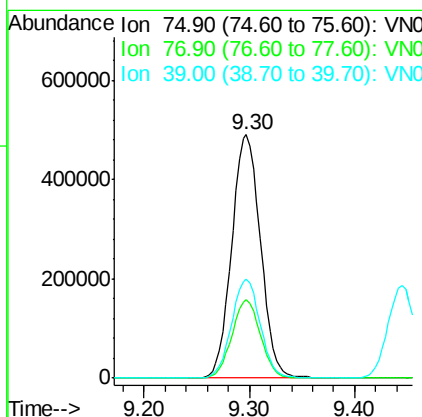
Manual Integrations
APPROVED

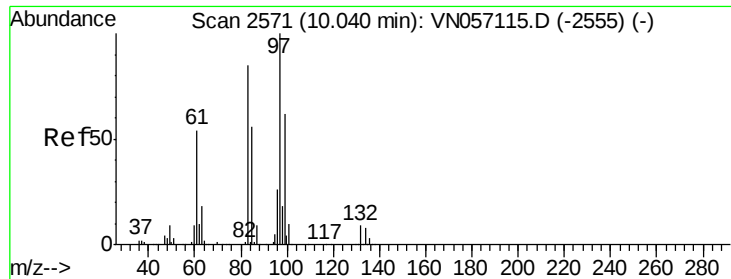
MMDadoda
8/9/2019 9:28:08 AM



#54
cis-1,3-Dichloropropene
Concen: 51.542 ug/l
RT: 9.30 min Scan# 2340
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.1	37.7
39	40.5	32.5	48.7





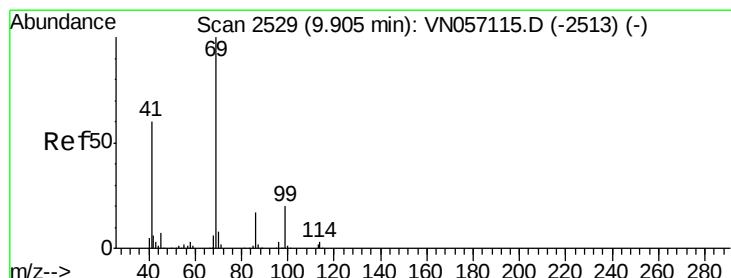
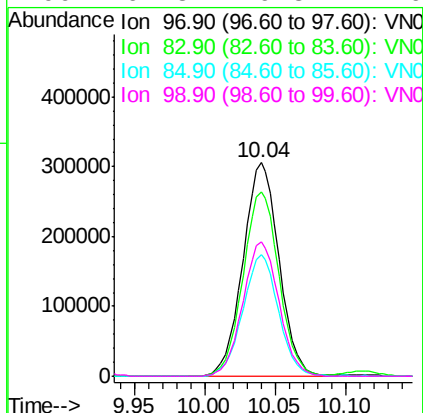
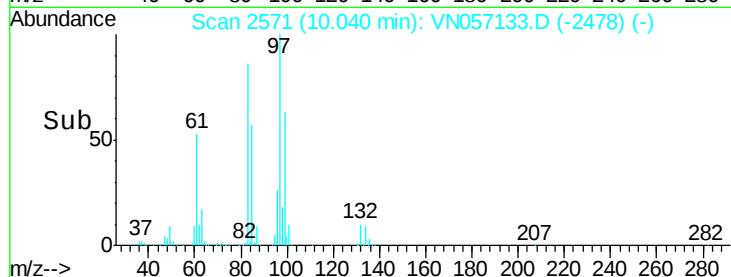
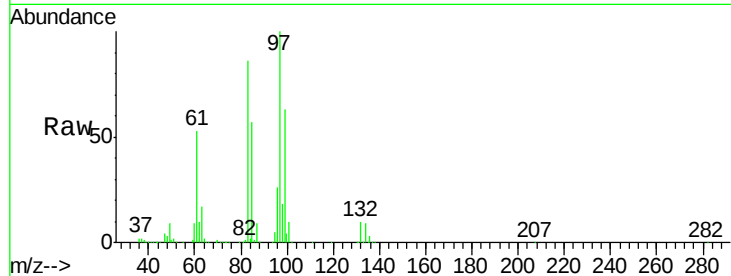
#55
 1,1,2-Trichloroethane
 Concen: 48.132 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		548352		
83	86.4	67.8	101.8		
85	56.7	44.4	66.6		
99	62.8	49.8	74.6		

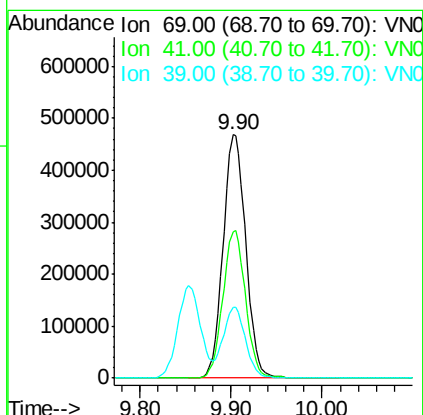
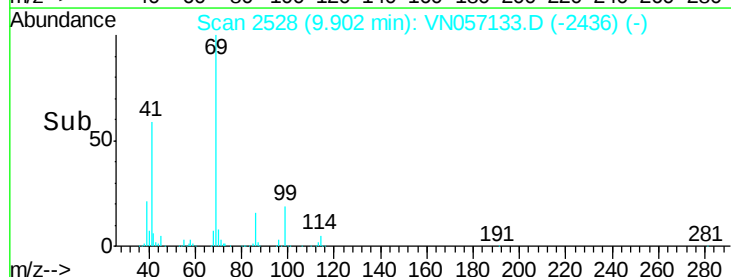
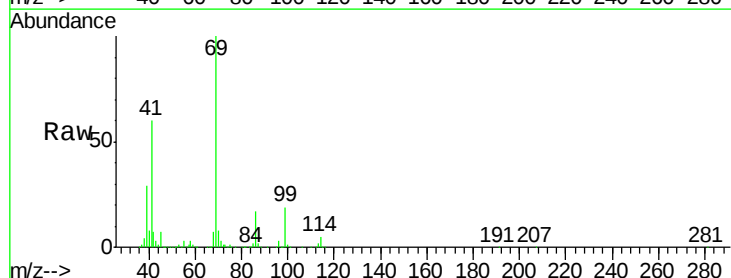
Manual Integrations
 APPROVED

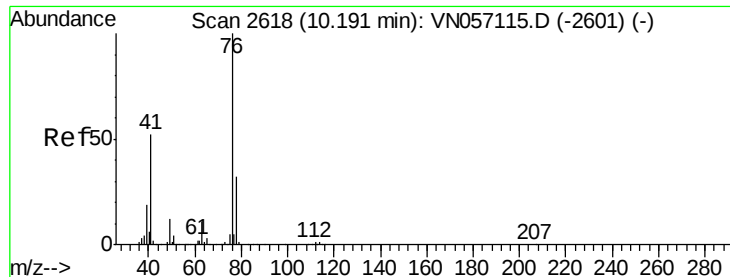
MMDadoda
 8/9/2019 9:28:08 AM



#56
 Ethyl methacrylate
 Concen: 50.756 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		809640		
41	60.4	48.1	72.1		
39	29.0	23.6	35.4		





#57

1,3-Dichloropropane

Concen: 48.829 ug/l

RT: 10.19 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 917385

Ion Ratio Lower Upper

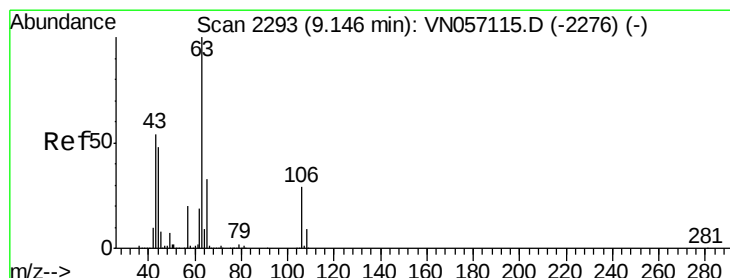
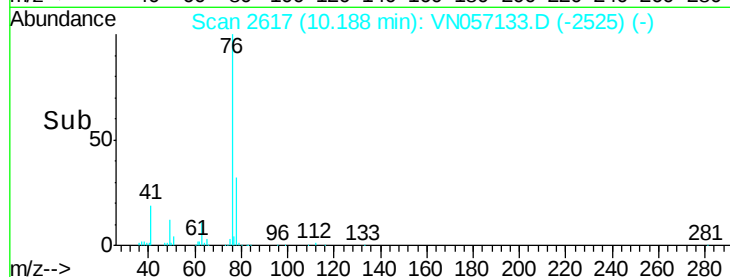
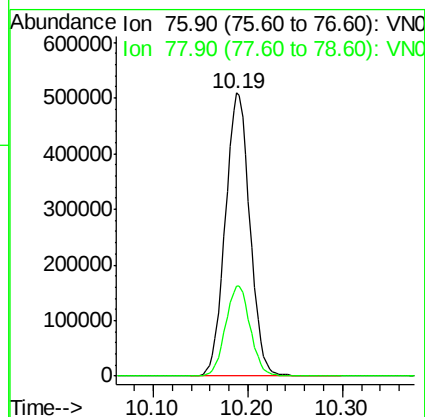
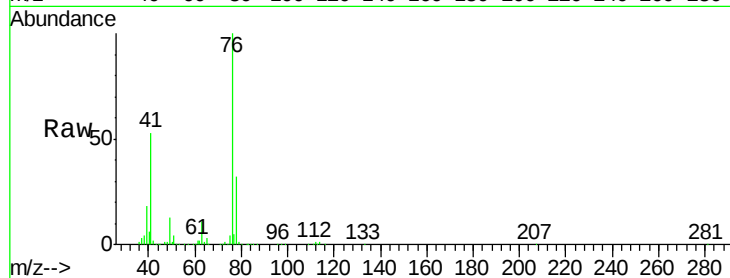
76 100

78 32.0 25.9 38.9

Manual Integrations
APPROVED

MMDadoda

8/9/2019 9:28:08 AM



#58

2-Chloroethyl Vinyl ether

Concen: 233.381 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VN057133.D

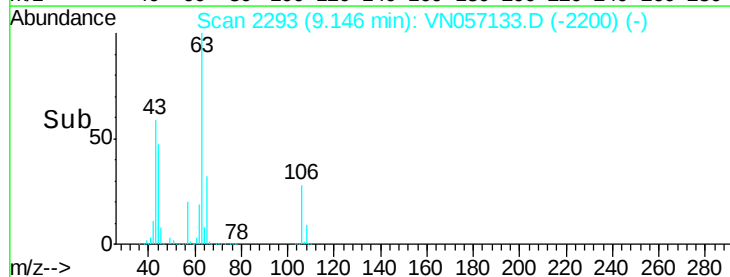
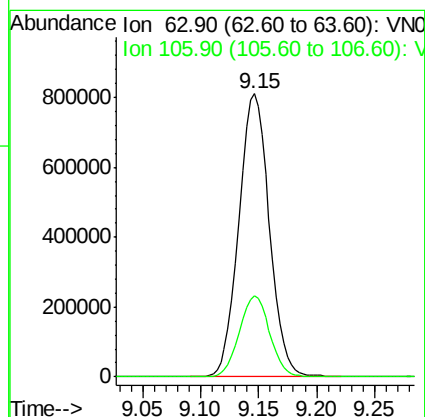
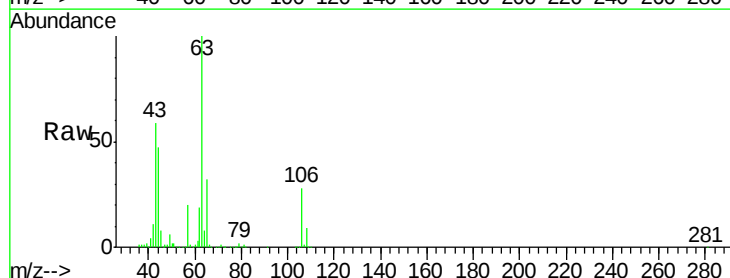
Acq: 8 Aug 2019 15:46

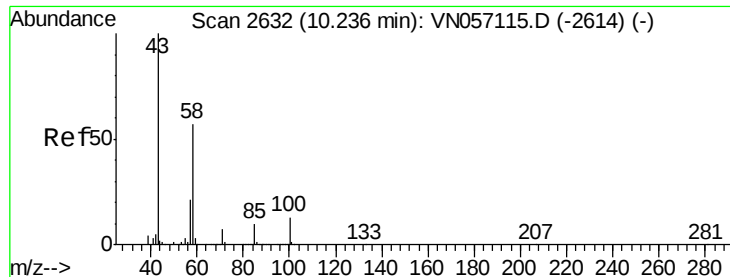
Tgt Ion: 63 Resp: 1478589

Ion Ratio Lower Upper

63 100

106 28.6 22.6 33.8





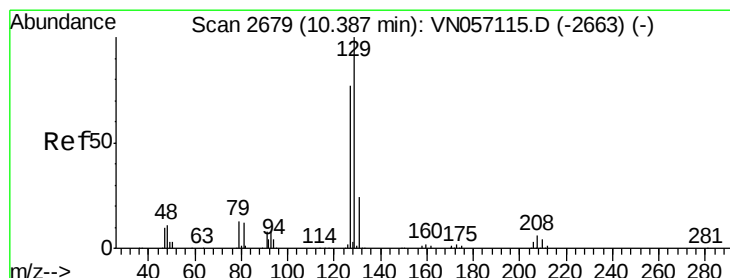
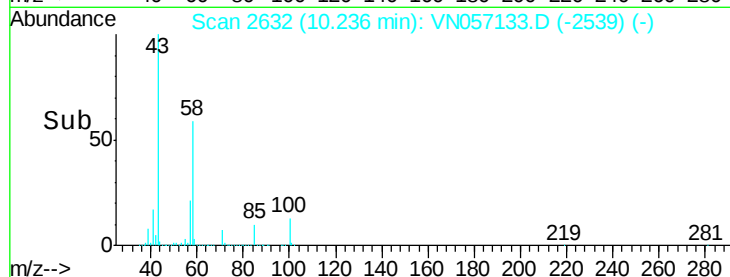
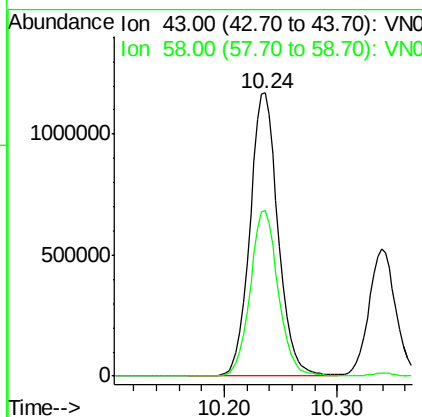
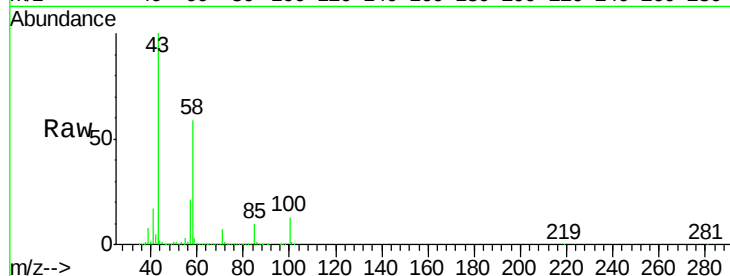
#59
2-Hexanone
Concen: 247.091 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2018599
Ion Ratio Lower Upper
43 100
58 58.4 29.2 87.6

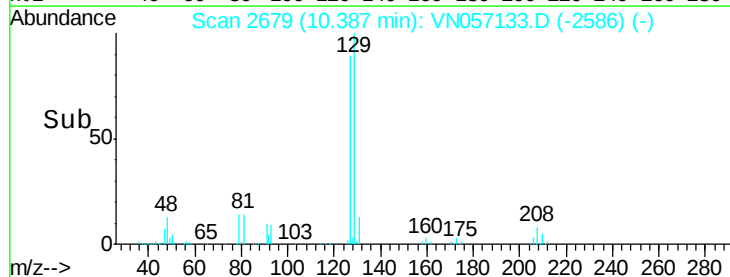
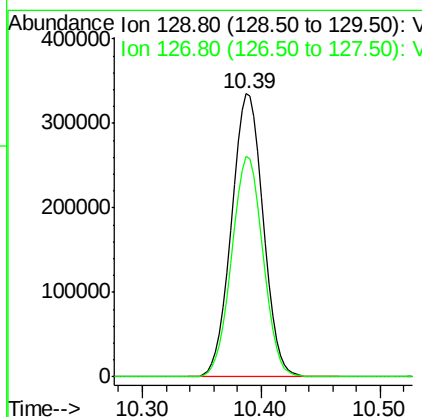
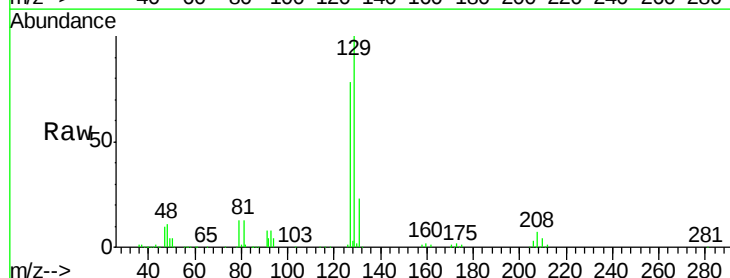
Manual Integrations
APPROVED

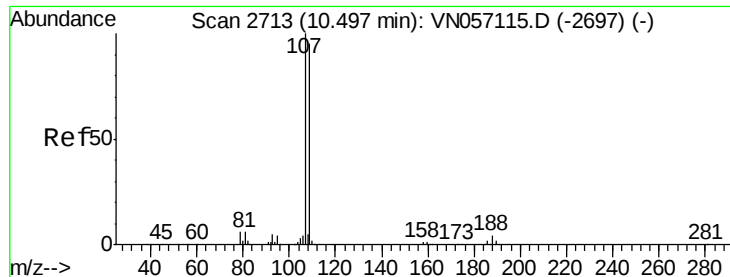
MMDadoda
8/9/2019 9:28:08 AM



#60
Dibromochloromethane
Concen: 51.723 ug/l
RT: 10.39 min Scan# 2679
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Tgt Ion: 129 Resp: 618871
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.202 ug/l

RT: 10.49 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 578432

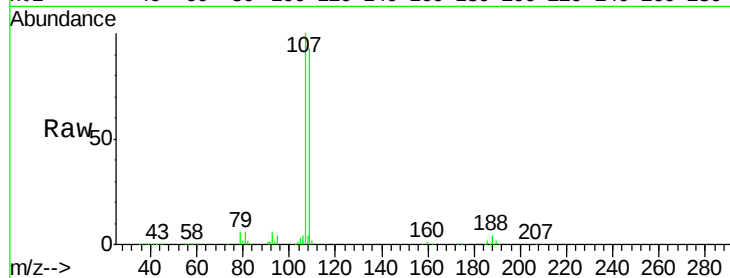
Ion Ratio Lower Upper

107 100

109 95.1 75.6 113.4

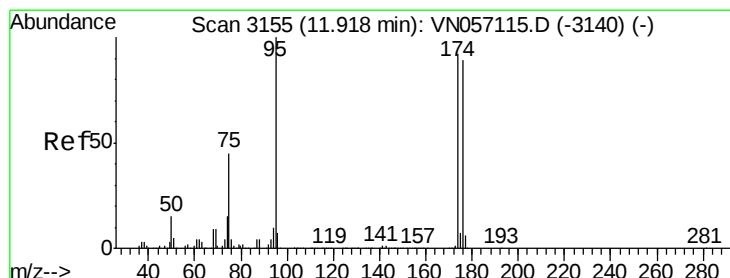
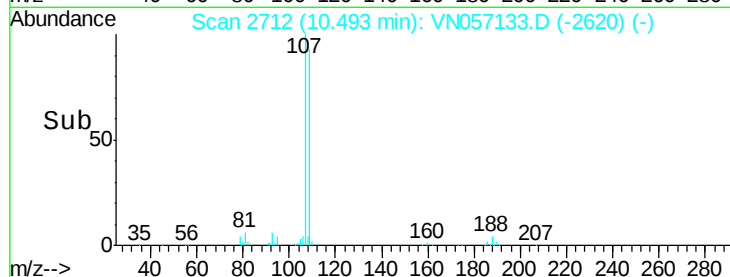
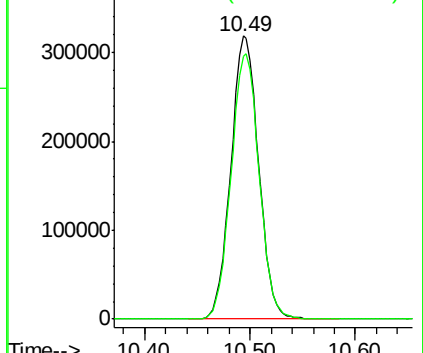
Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:08 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.290 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

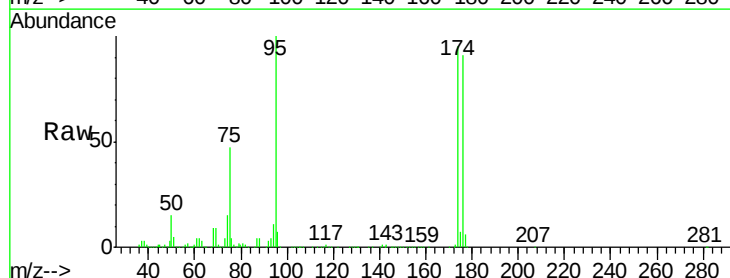
Tgt Ion: 95 Resp: 696603

Ion Ratio Lower Upper

95 100

174 94.9 0.0 185.0

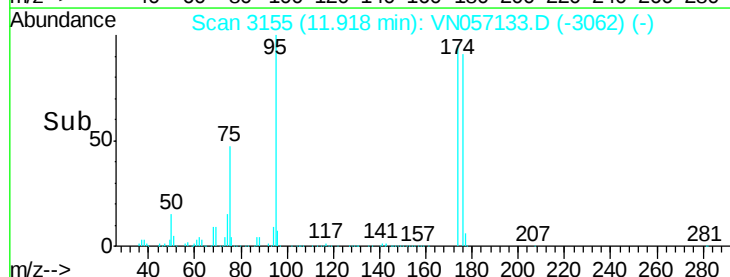
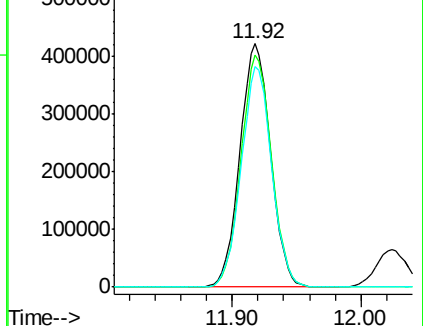
176 90.0 0.0 181.2

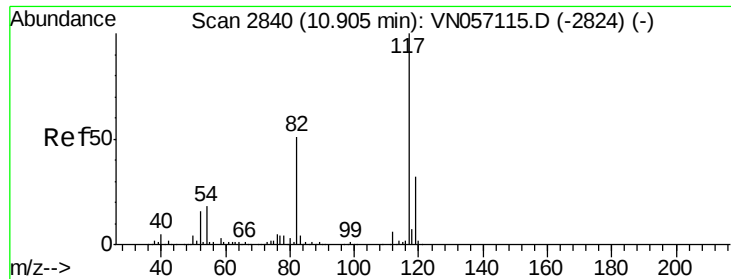


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





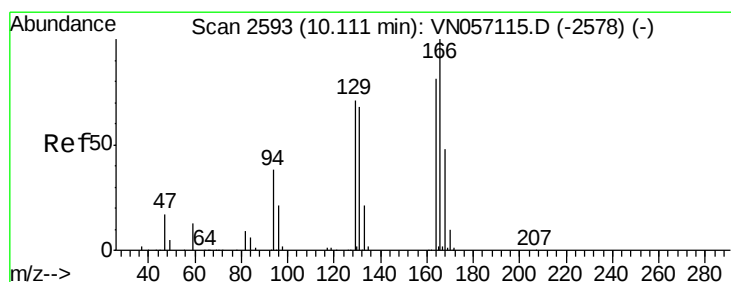
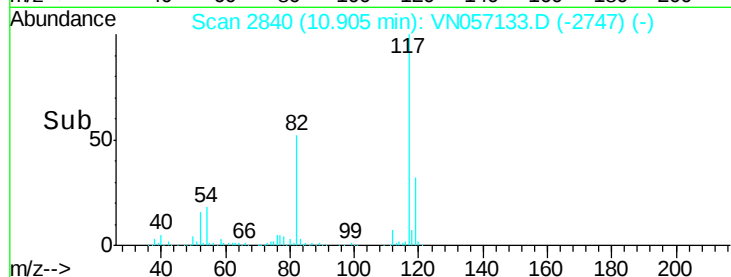
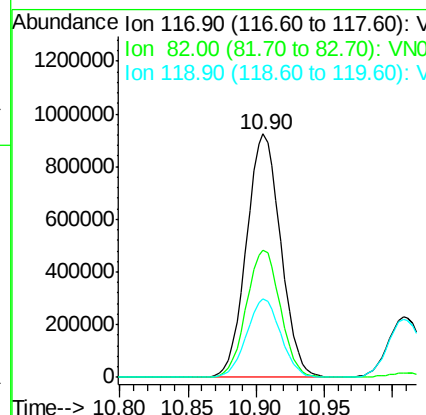
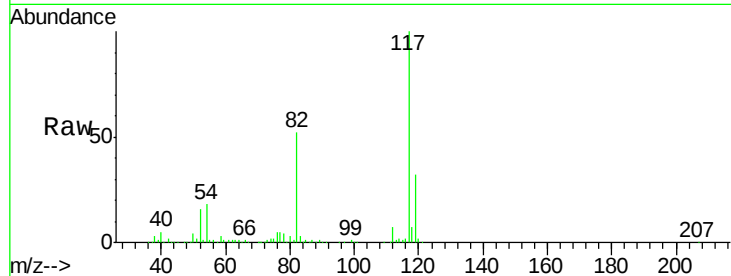
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	40.8	61.2
119	32.0	25.7	38.5

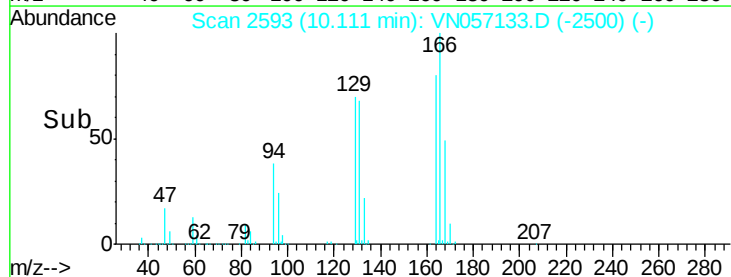
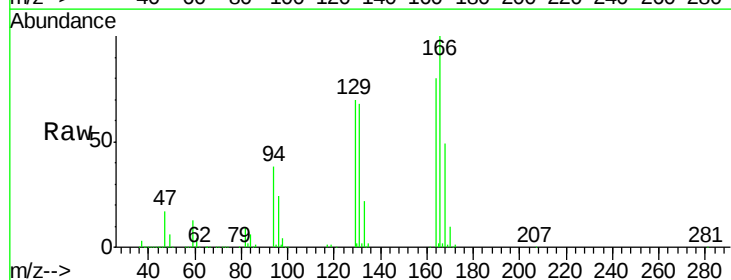
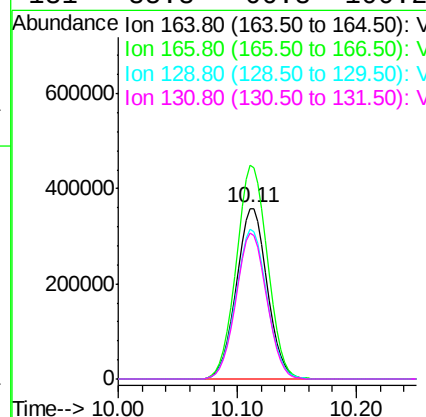
Manual Integrations
APPROVED

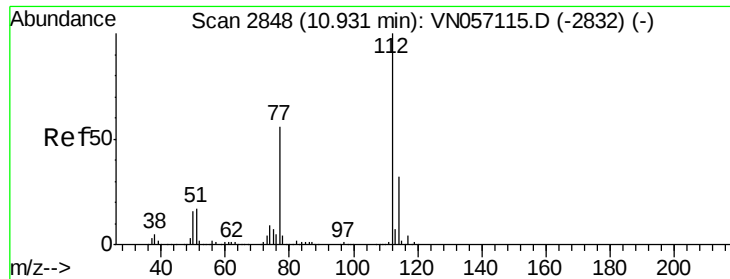
MMDadoda
8/9/2019 9:28:08 AM



#64
Tetrachloroethene
Concen: 48.363 ug/l
RT: 10.11 min Scan# 2593
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	98.3	147.5
129	88.0	69.8	104.6
131	85.8	66.8	100.2





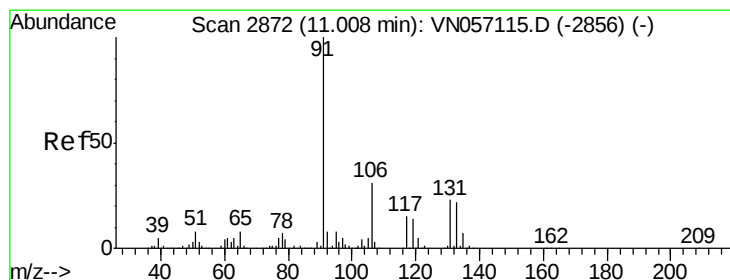
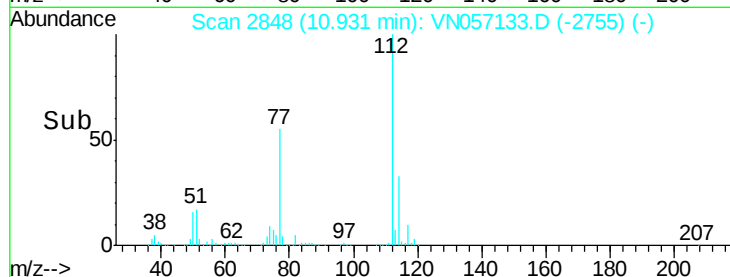
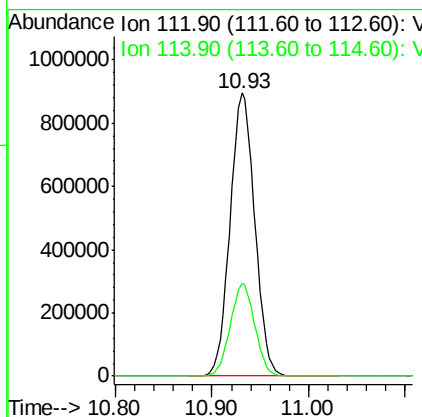
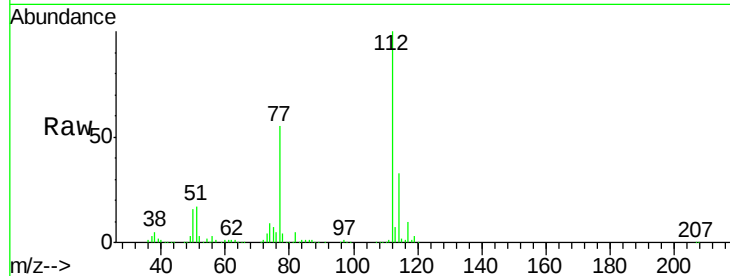
#65
Chlorobenzene
Concen: 48.916 ug/l
RT: 10.93 min Scan# 2848
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:112 Resp: 1583110
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.2

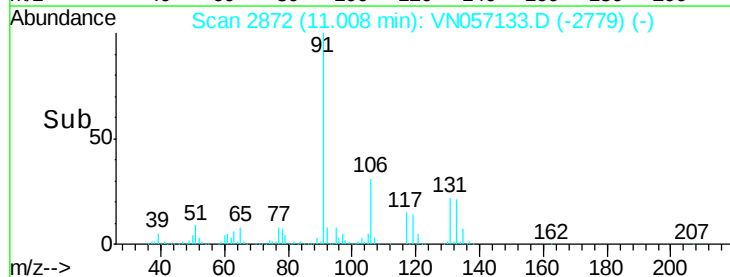
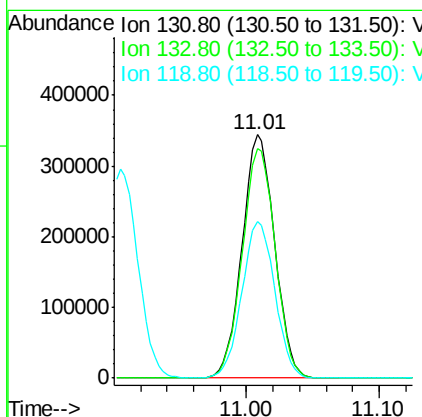
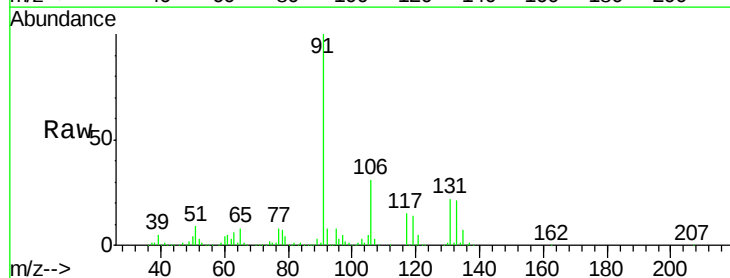
Manual Integrations
APPROVED

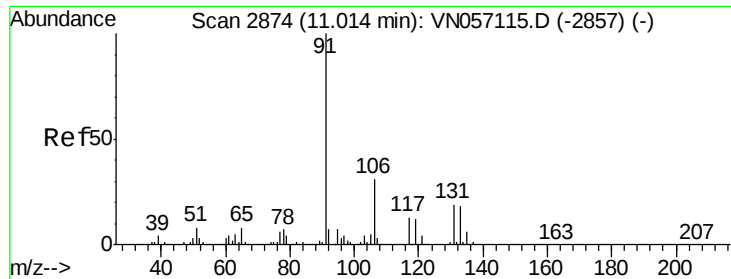
MMDadoda
8/9/2019 9:28:08 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.581 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Tgt Ion:131 Resp: 587817
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.8
119 65.0 32.6 97.7





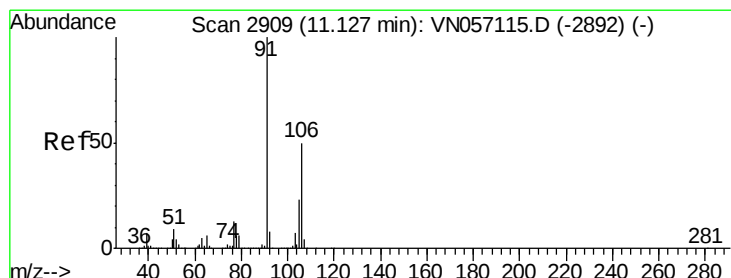
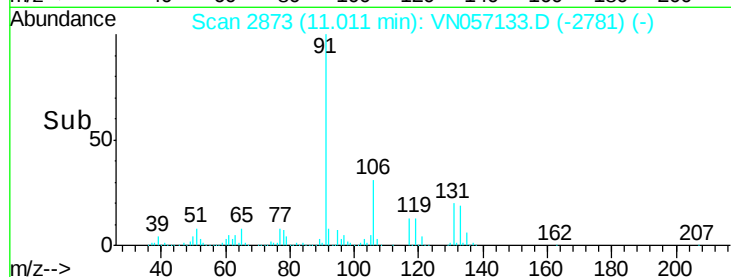
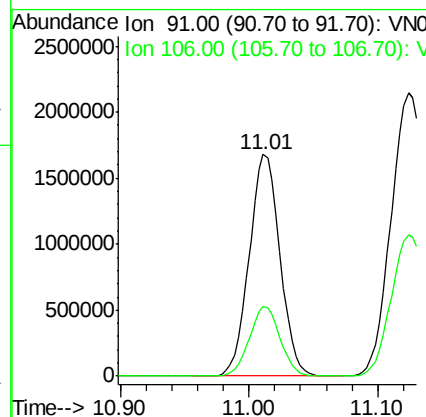
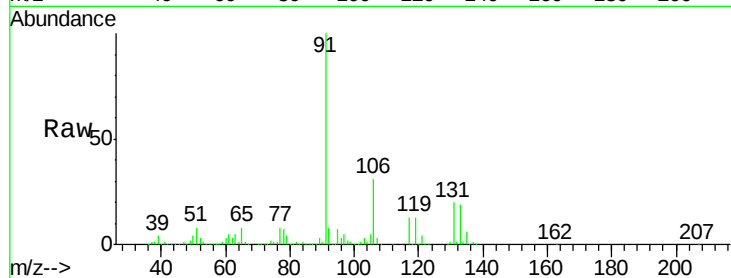
#67
Ethyl Benzene
Concen: 49.991 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2784593
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

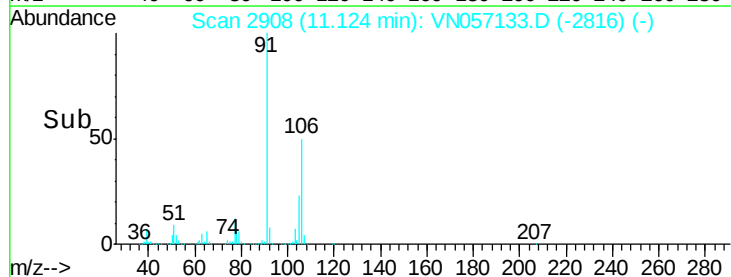
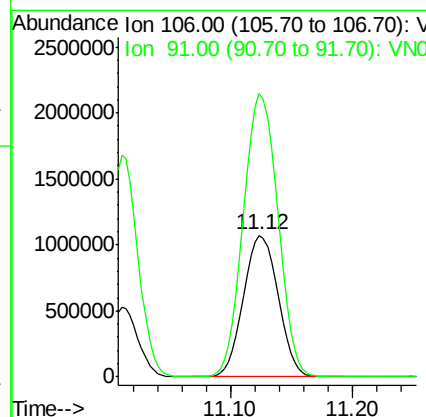
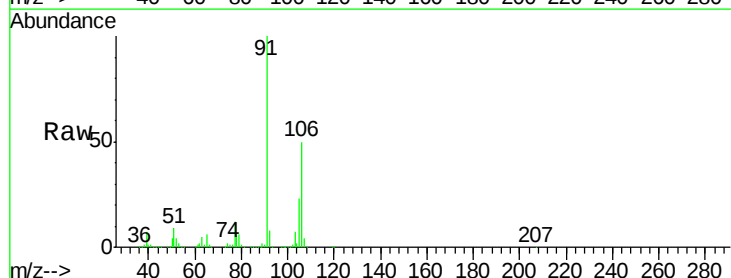
Manual Integrations
APPROVED

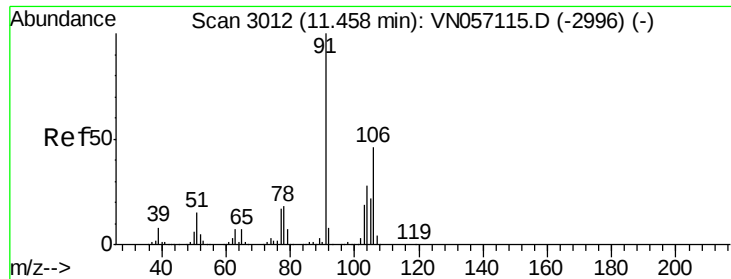
MMDadoda
8/9/2019 9:28:08 AM



#68
m/p-Xylenes
Concen: 102.702 ug/l
RT: 11.12 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Tgt Ion: 106 Resp: 2107525
Ion Ratio Lower Upper
106 100
91 199.5 159.8 239.8





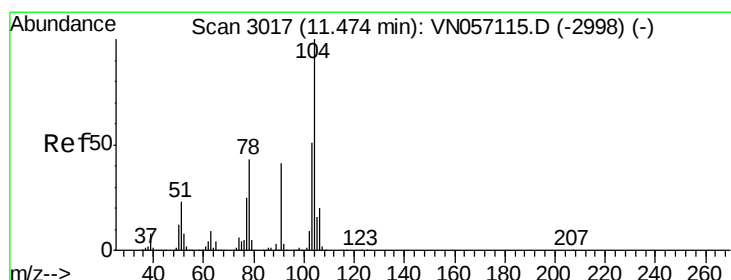
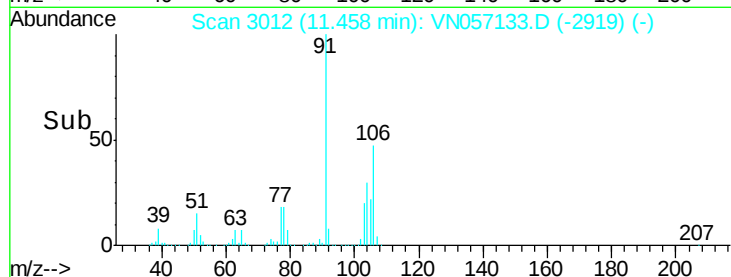
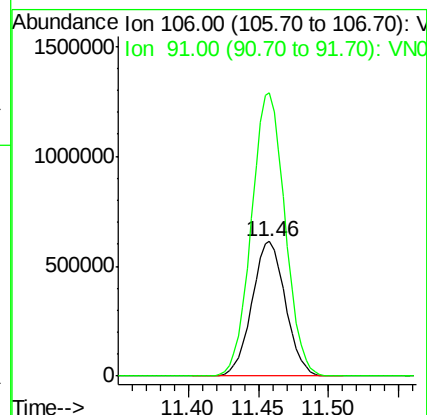
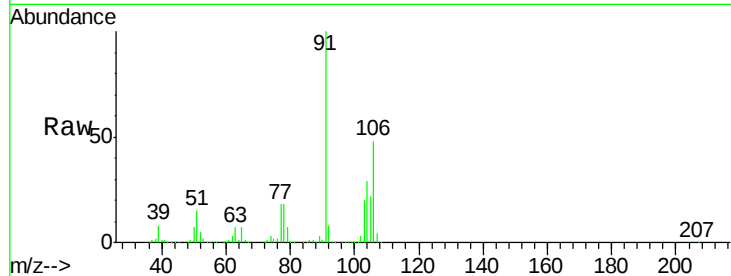
#69
o-Xylene
Concen: 49.944 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 1020005
Ion Ratio Lower Upper
106 100
91 210.7 106.8 320.5

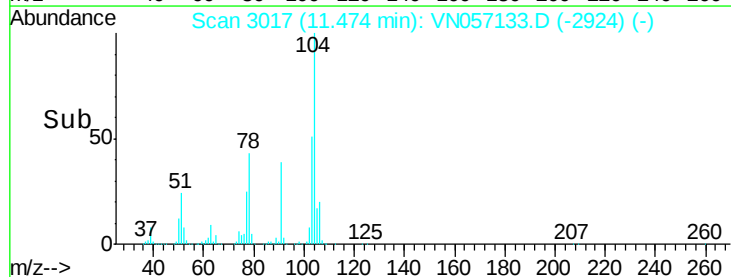
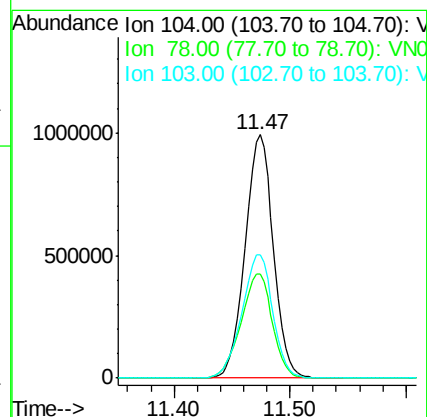
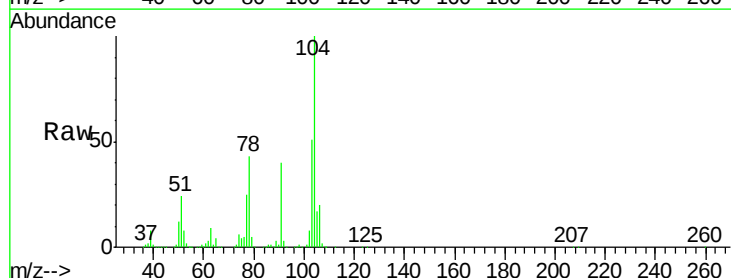
Manual Integrations
APPROVED

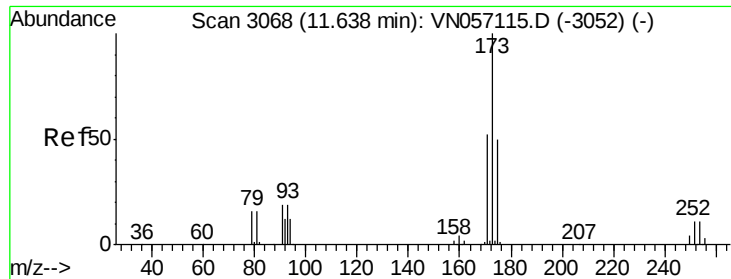
MMDadoda
8/9/2019 9:28:08 AM



#70
Styrene
Concen: 52.565 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Tgt Ion:104 Resp: 1676795
Ion Ratio Lower Upper
104 100
78 47.5 38.5 57.7
103 55.4 44.6 66.8





#71

Bromoform

Concen: 51.643 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

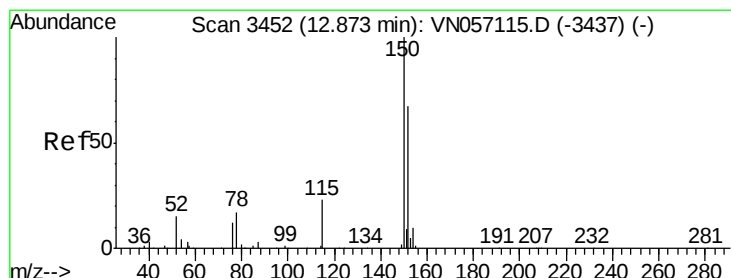
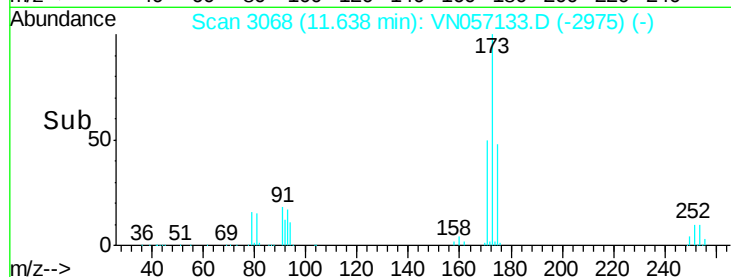
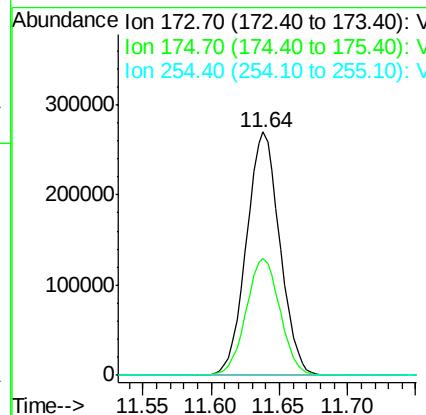
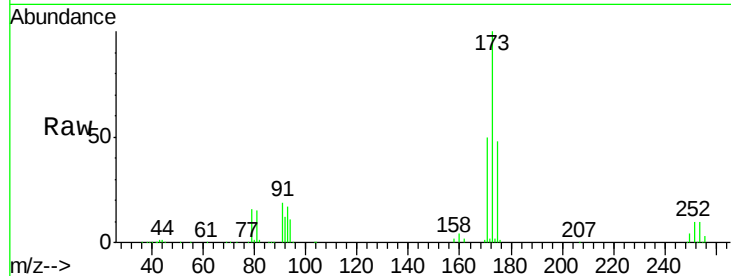
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	457723
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.6	73.8
254	0.1	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:08 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

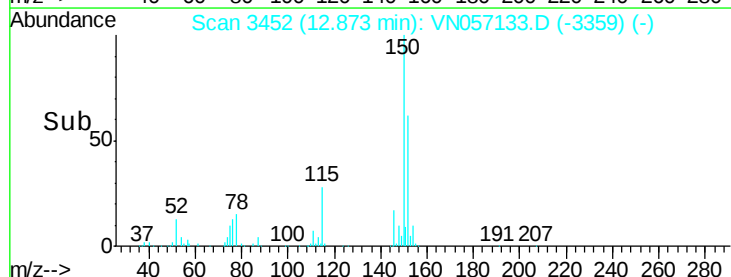
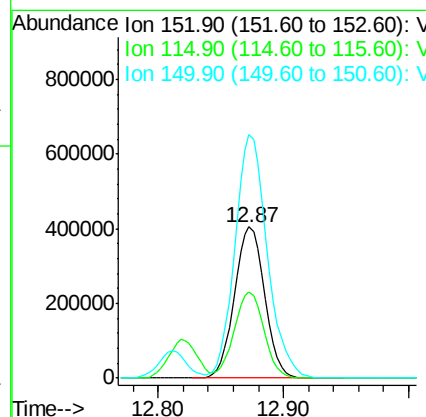
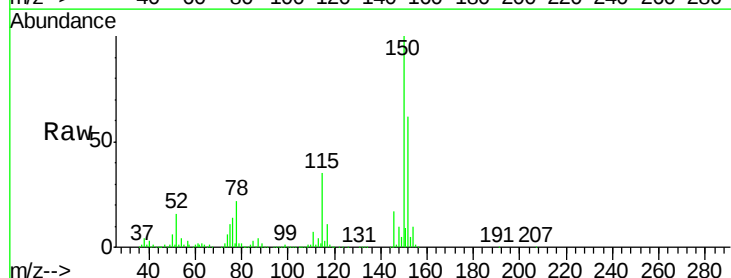
RT: 12.87 min Scan# 3452

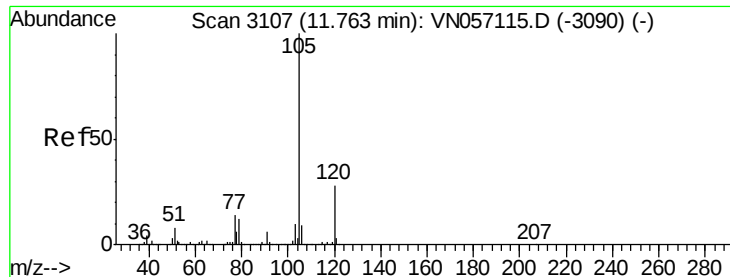
Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Tgt Ion:	152	Resp:	672383
Ion Ratio	Lower	Upper	
152	100		
115	56.1	27.5	82.5
150	173.1	0.0	341.6





#73

Isopropylbenzene

Concen: 50.020 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2739293

Ion Ratio Lower Upper

105 100

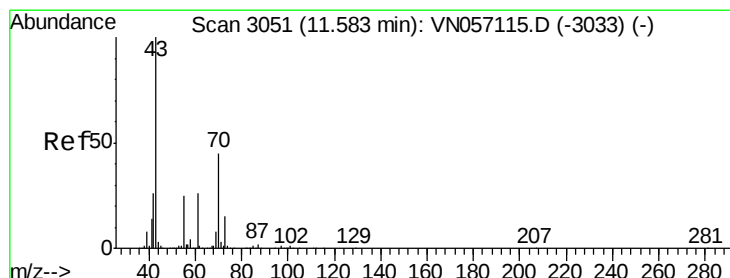
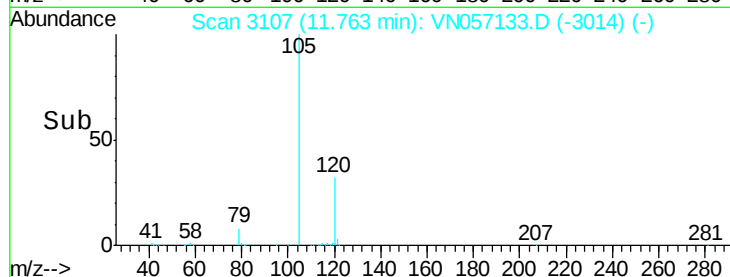
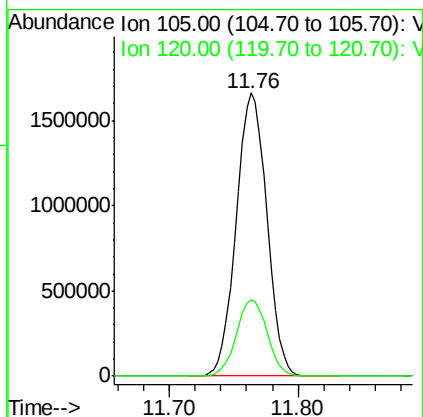
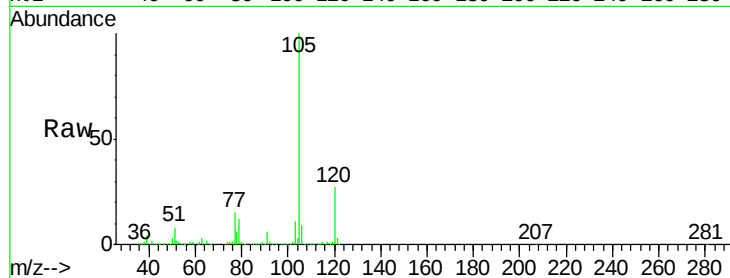
120 27.2 13.7 41.0

Manual Integrations

APPROVED

MMDadoda

8/9/2019 9:28:08 AM



#74

N-ethyl acetate

Concen: 47.018 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Tgt Ion: 43 Resp: 801121

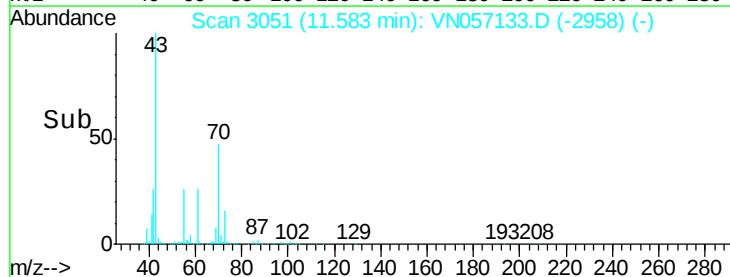
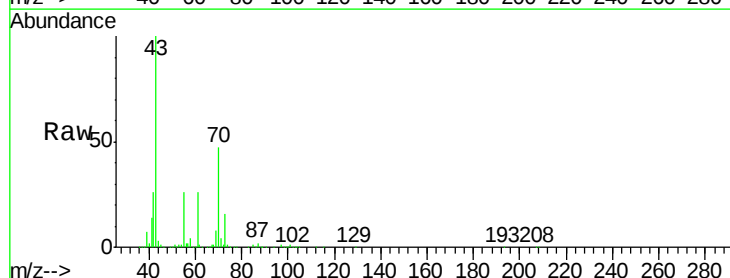
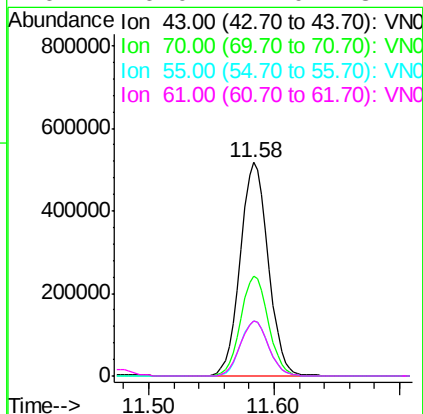
Ion Ratio Lower Upper

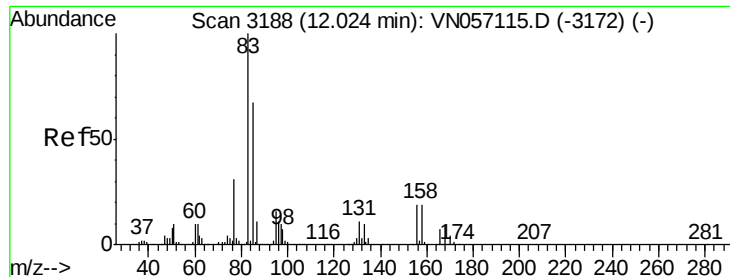
43 100

70 46.4 36.8 55.2

55 26.1 20.6 31.0

61 26.0 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.426 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

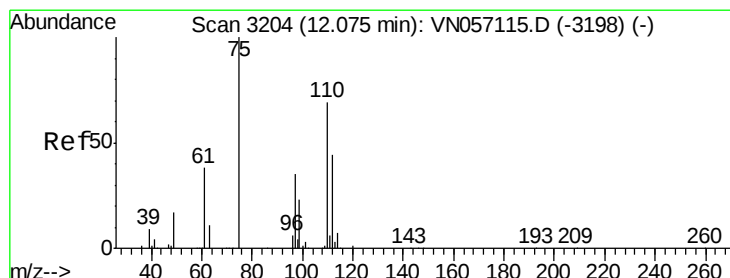
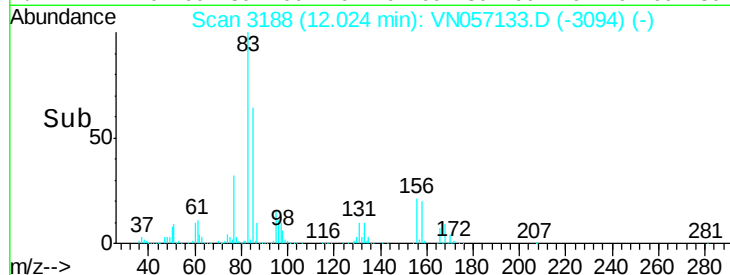
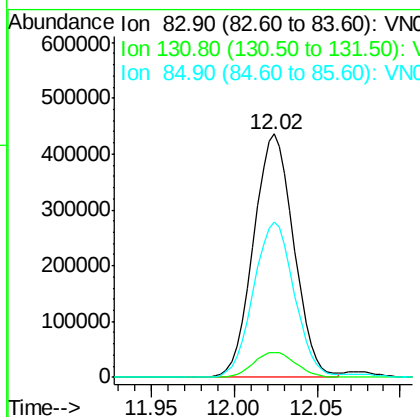
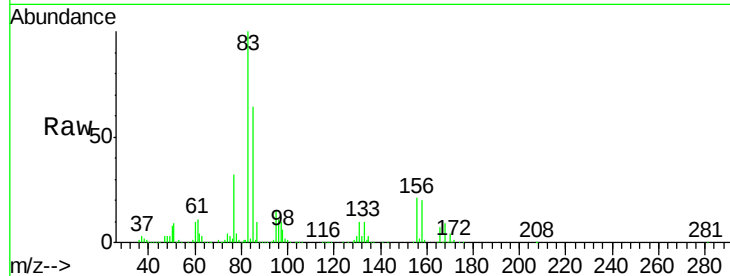
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	738859
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	64.7	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:08 AM



#76

1,2,3-Trichloropropane

Concen: 48.981 ug/l m

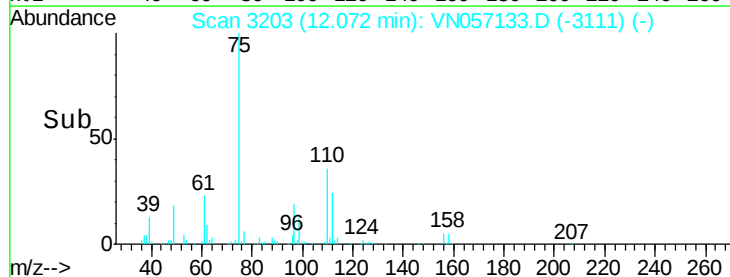
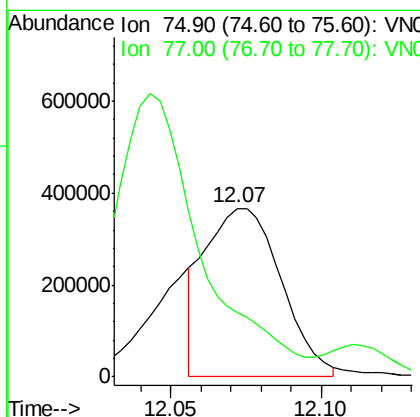
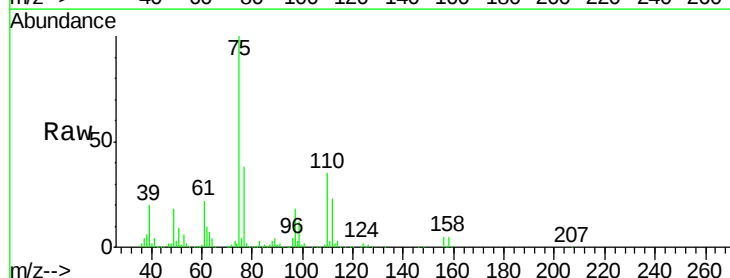
RT: 12.07 min Scan# 3203

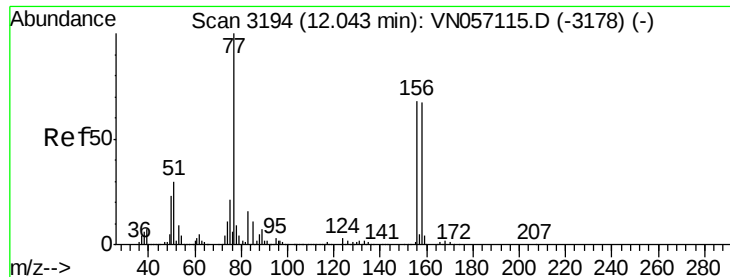
Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Tgt Ion:	75	Resp:	643573
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 44.333 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

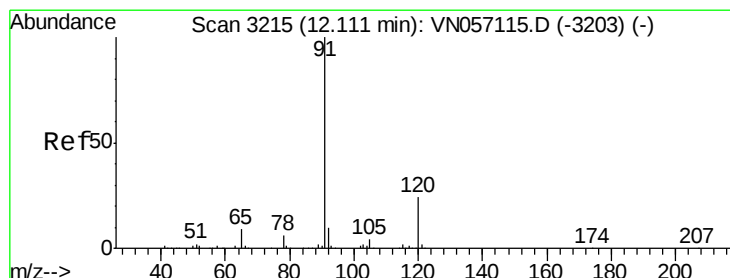
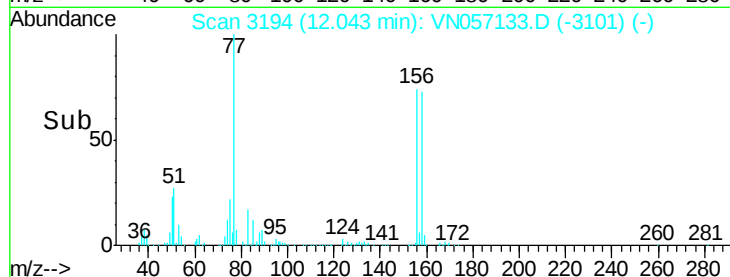
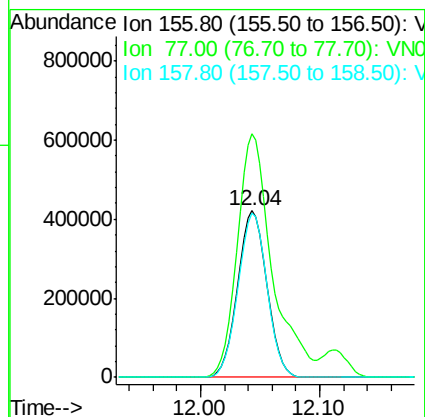
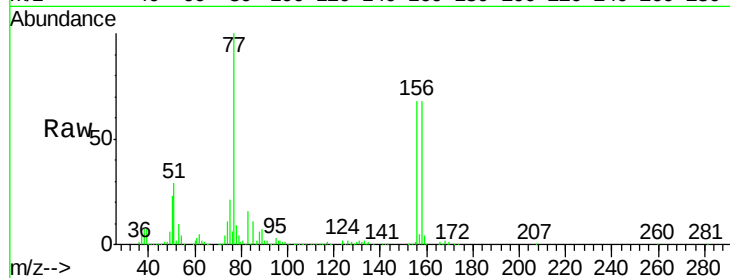
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	716477
Ion Ratio	Lower	Upper	
156	100		
77	174.7	88.7	266.1
158	98.0	49.3	147.8

Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:08 AM



#78

n-propylbenzene

Concen: 45.760 ug/l

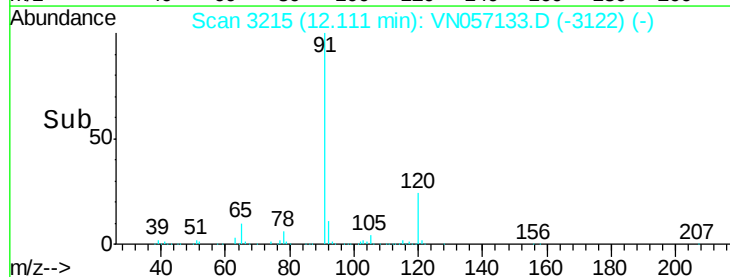
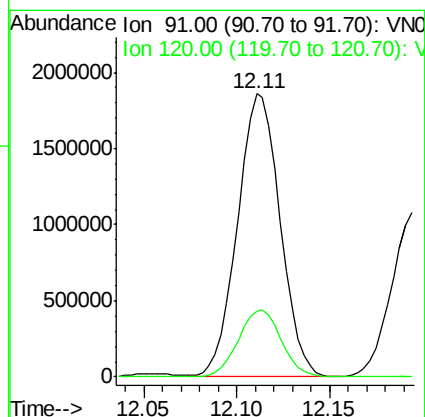
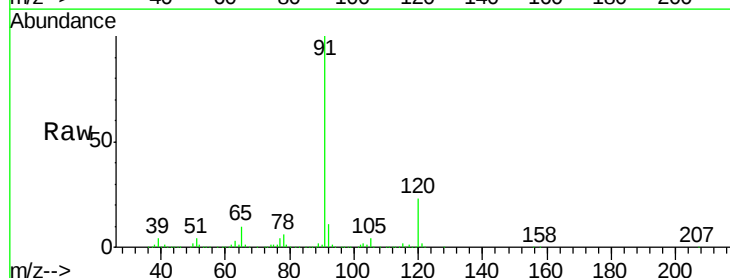
RT: 12.11 min Scan# 3215

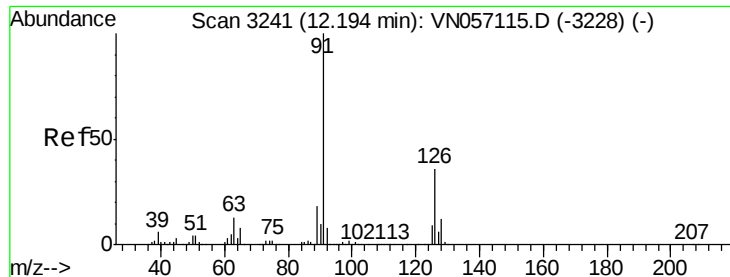
Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Tgt Ion:	91	Resp:	2951769
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0





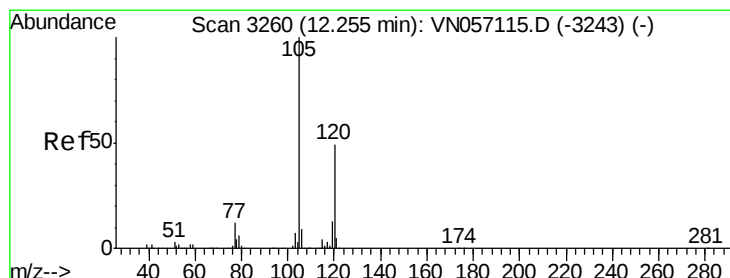
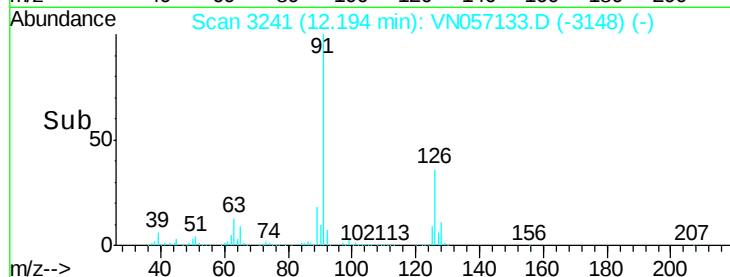
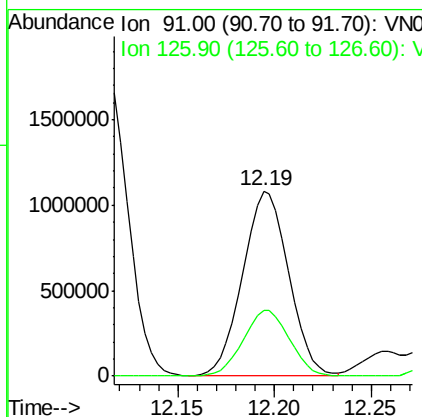
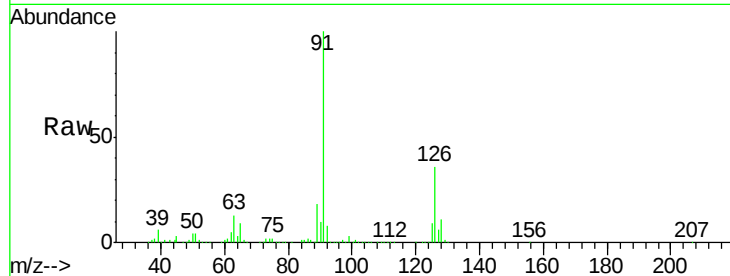
#79
 2-Chlorotoluene
 Concen: 49.713 ug/l
 RT: 12.19 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 1787109
 Ion Ratio Lower Upper
 91 100
 126 35.8 18.1 54.3

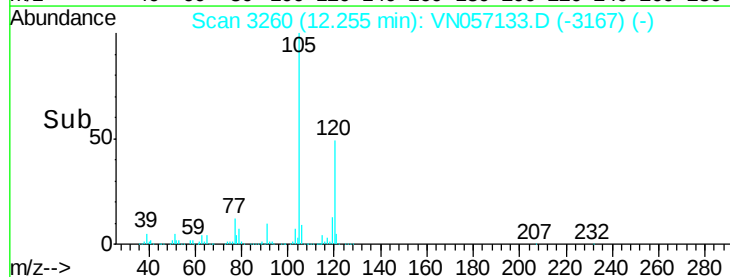
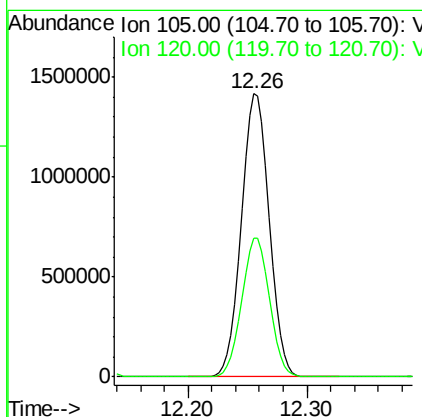
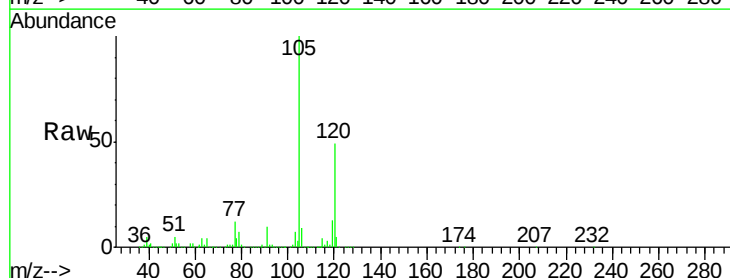
Manual Integrations
 APPROVED

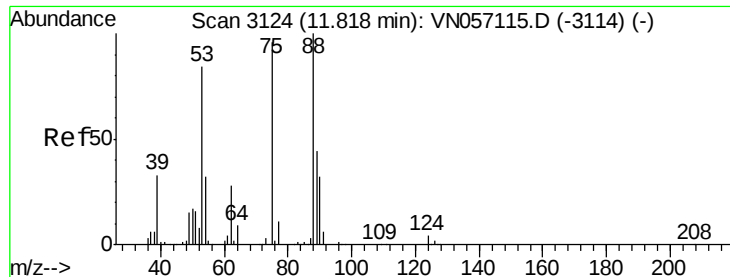
MMDadoda
 8/9/2019 9:28:08 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 44.120 ug/l
 RT: 12.26 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Tgt Ion: 105 Resp: 2290263
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.902 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 219052

Ion Ratio Lower Upper

75 100

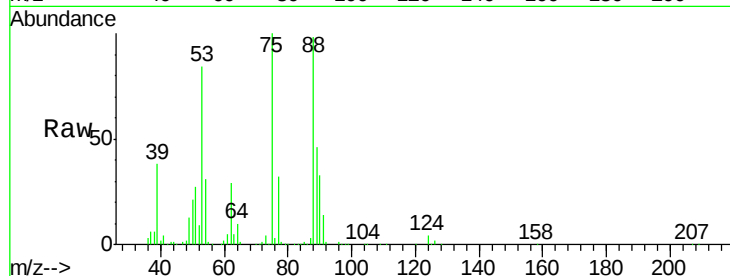
53 85.1 70.6 106.0

89 47.0 36.4 54.6

Manual Integrations
APPROVED

MMDadoda

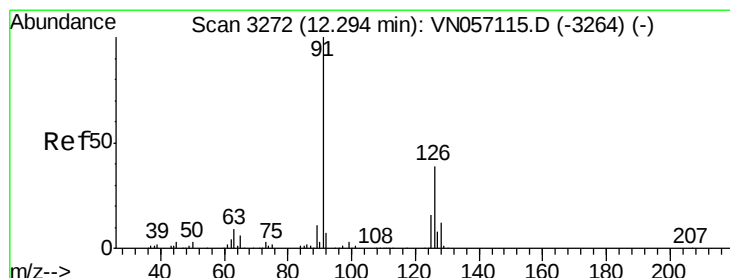
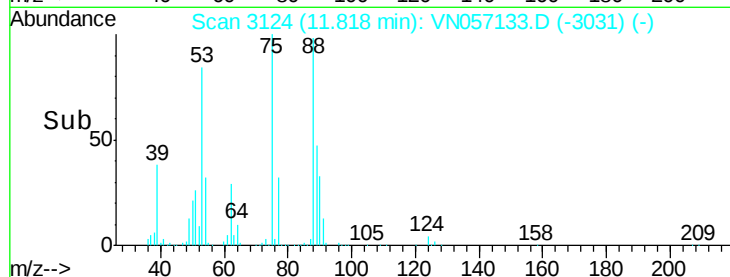
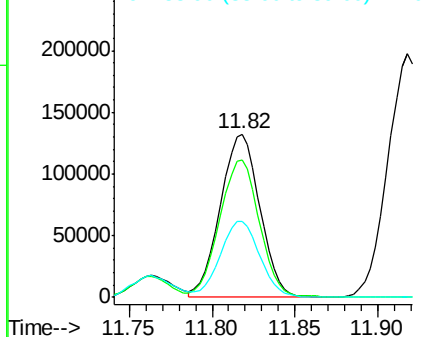
8/9/2019 9:28:08 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 45.781 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057133.D

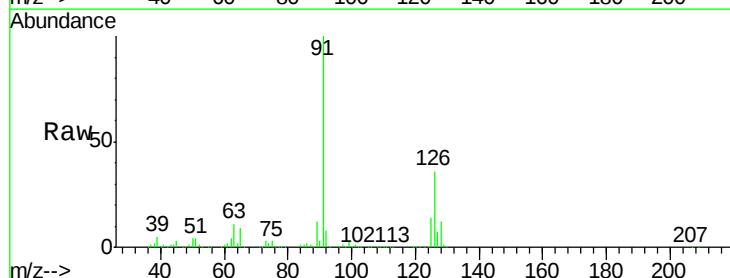
Acq: 8 Aug 2019 15:46

Tgt Ion: 91 Resp: 1709886

Ion Ratio Lower Upper

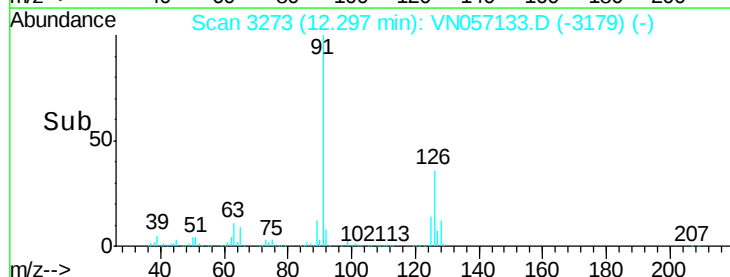
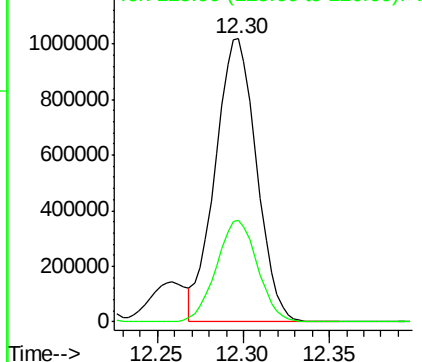
91 100

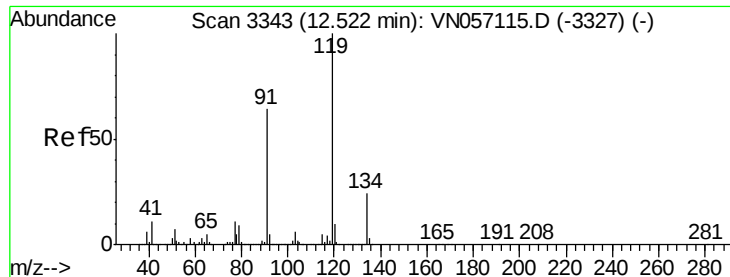
126 35.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 48.527 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

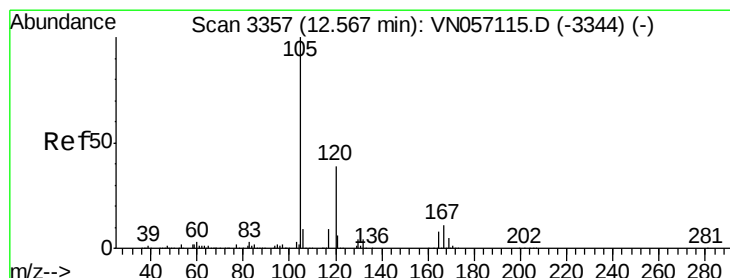
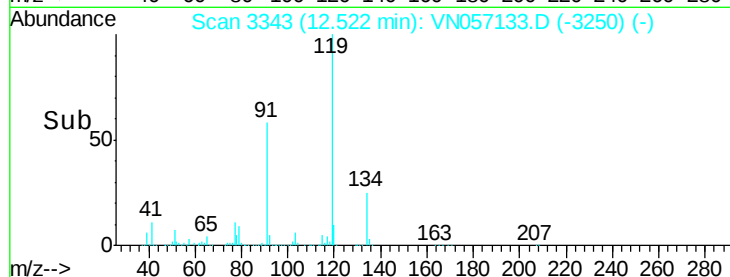
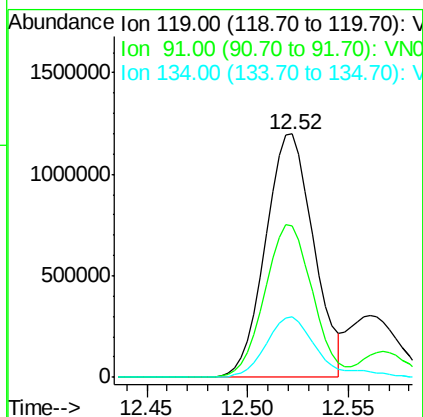
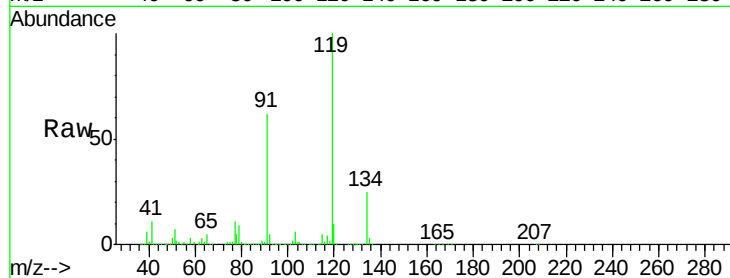
ClientSampleId :

VSTDCCC050EC

Tot Ion:119	Resp: 1988287
Ion Ratio	Lower Upper
119 100	
91 62.0	31.4 94.2
134 26.7	13.2 39.6

Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:08 AM



#84

1,2,4-Trimethylbenzene

Concen: 43.692 ug/l

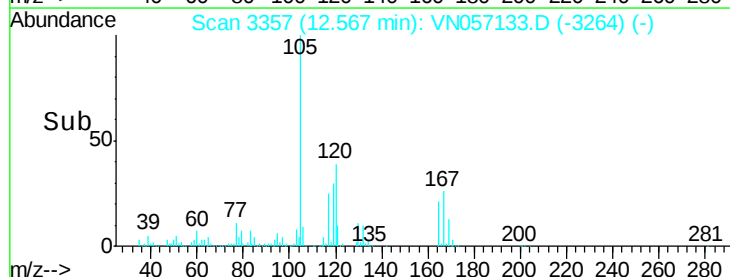
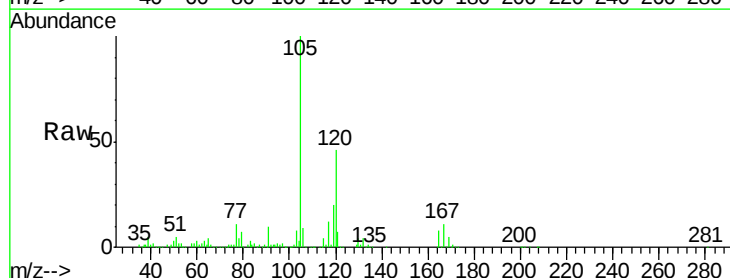
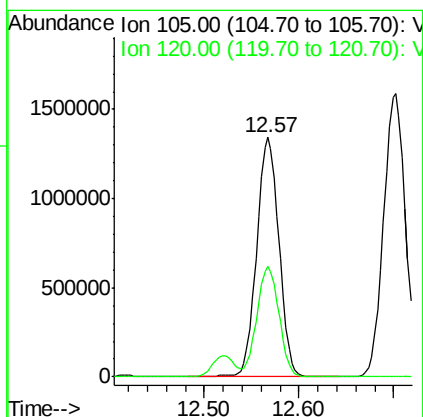
RT: 12.57 min Scan# 3357

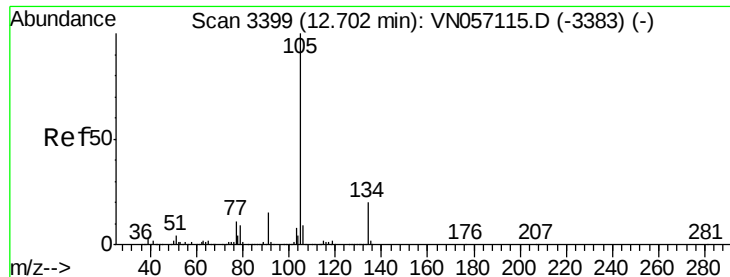
Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Tgt Ion:105	Resp: 2192220
Ion Ratio	Lower Upper
105 100	
120 46.1	23.3 69.8





#85

sec-Butylbenzene

Concen: 43.530 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2550019

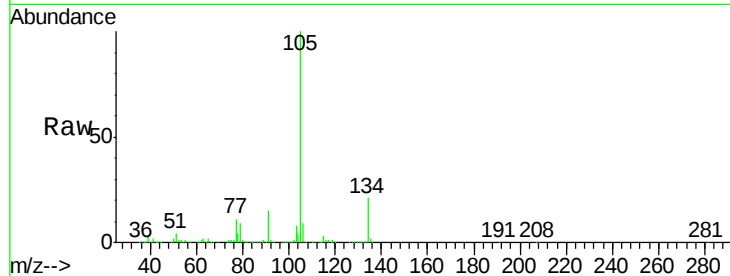
Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.4

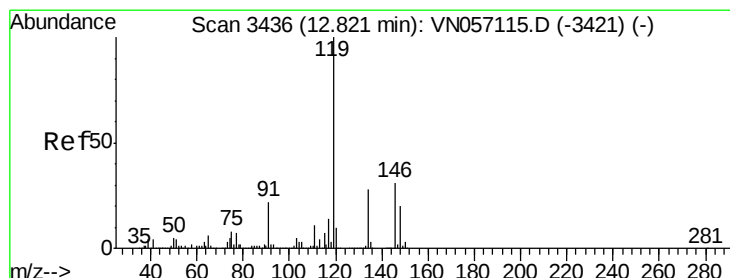
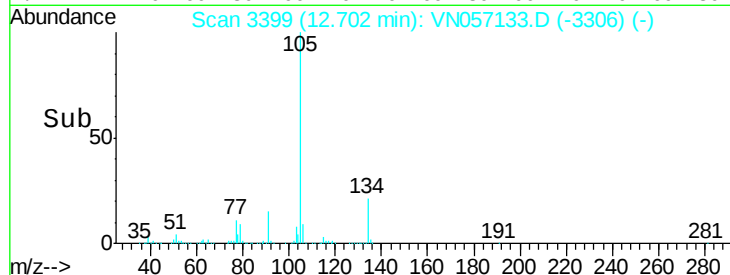
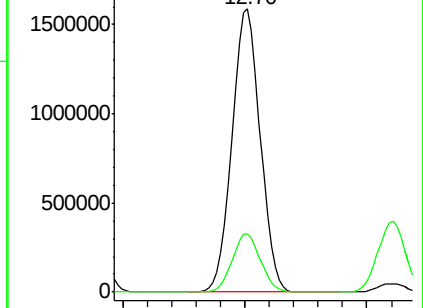
Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:08 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 44.438 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057133.D

Acq: 8 Aug 2019 15:46

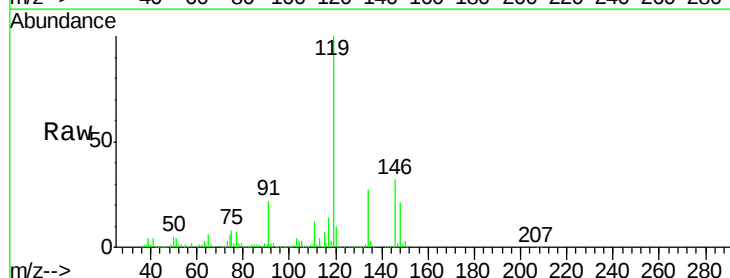
Tgt Ion:119 Resp: 2284278

Ion Ratio Lower Upper

119 100

134 27.2 13.8 41.3

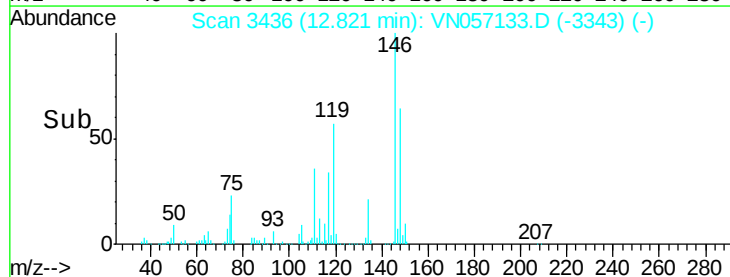
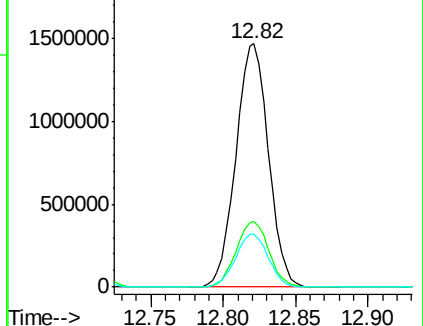
91 22.0 11.0 33.0

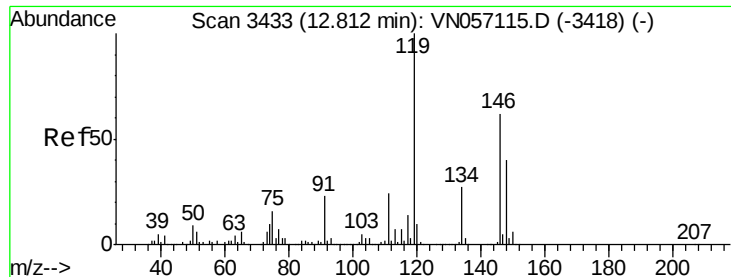


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





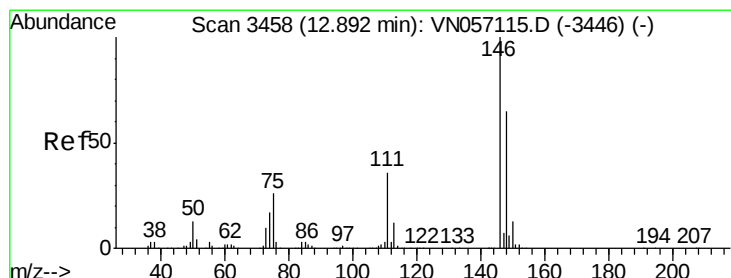
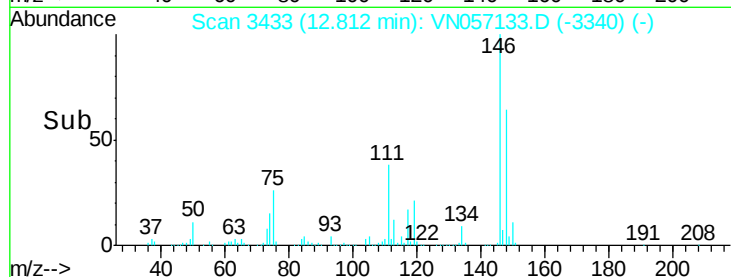
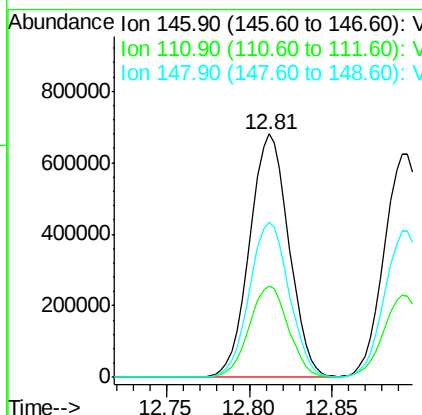
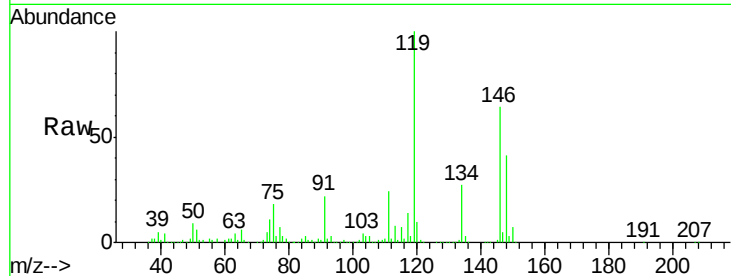
#87
 1,3-Dichlorobenzene
 Concen: 48.683 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 1120117
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.8 56.4
 148 64.6 32.4 97.0

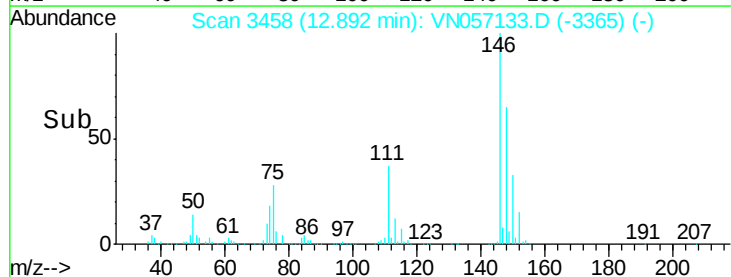
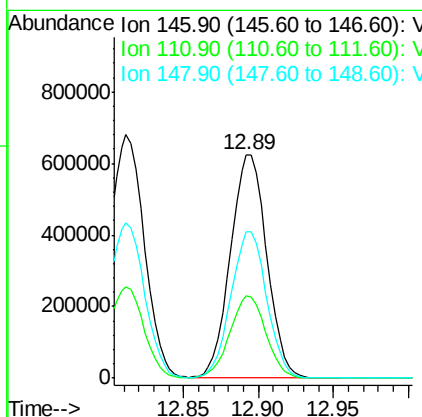
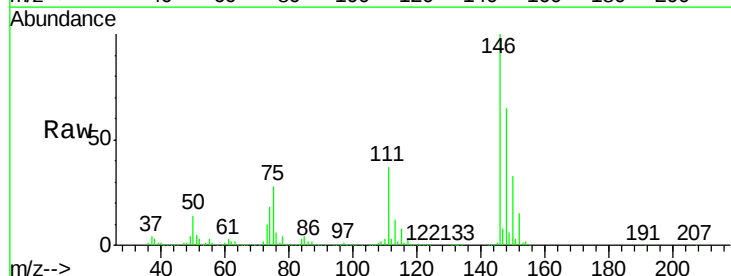
Manual Integrations
 APPROVED

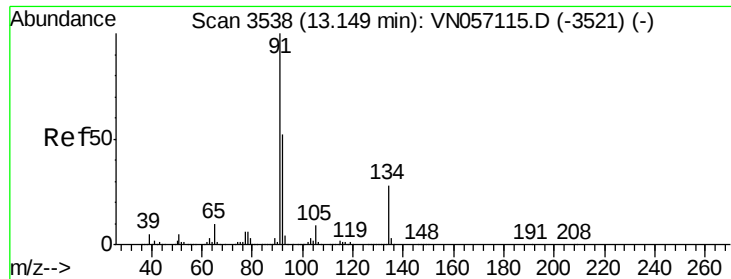
MMDadoda
 8/9/2019 9:28:08 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.472 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Tgt Ion:146 Resp: 1056700
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.2 54.6
 148 64.8 32.0 96.2





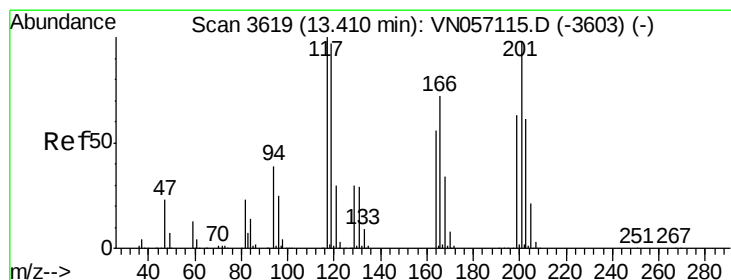
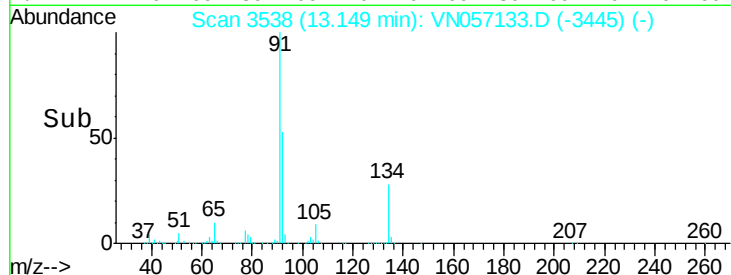
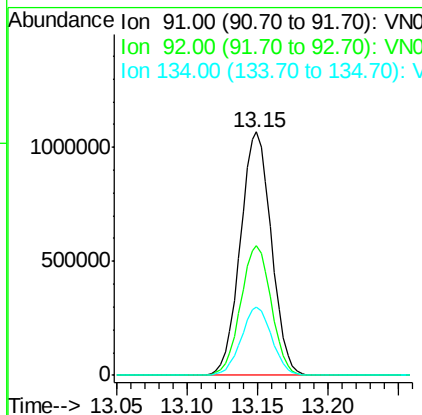
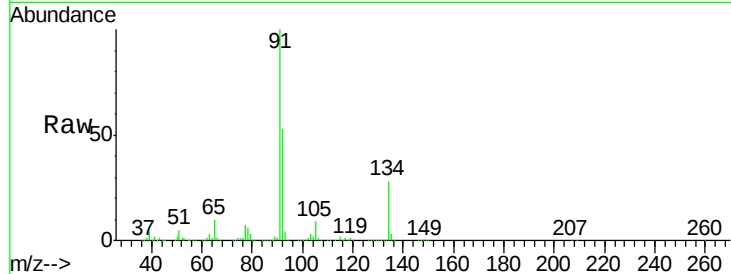
#89
n-Butylbenzene
Concen: 46.266 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1643084
Ion Ratio Lower Upper
91 100
92 52.7 26.5 79.4
134 27.8 14.1 42.3

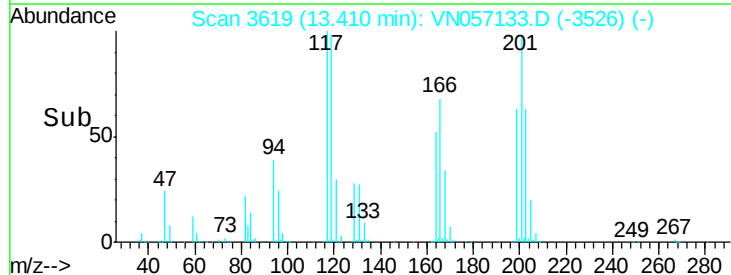
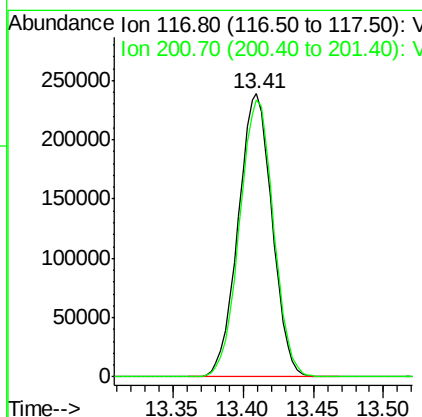
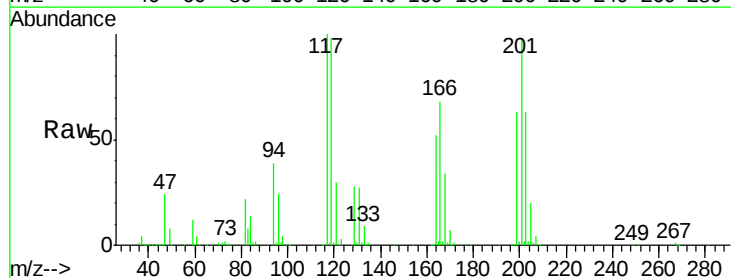
Manual Integrations
APPROVED

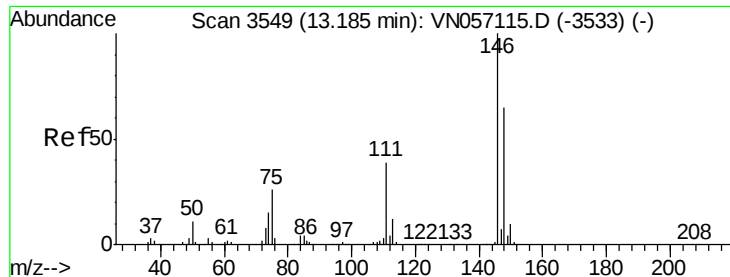
MMDadoda
8/9/2019 9:28:08 AM



#90
Hexachloroethane
Concen: 49.278 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Tgt Ion: 117 Resp: 402774
Ion Ratio Lower Upper
117 100
201 98.0 49.3 147.8





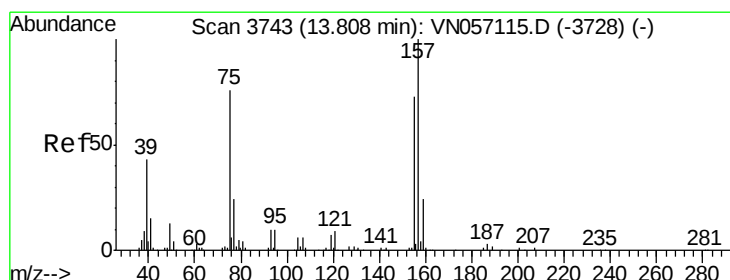
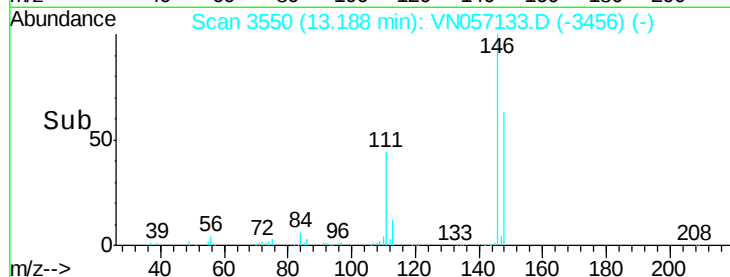
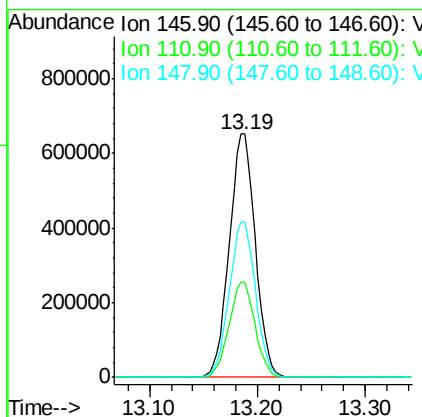
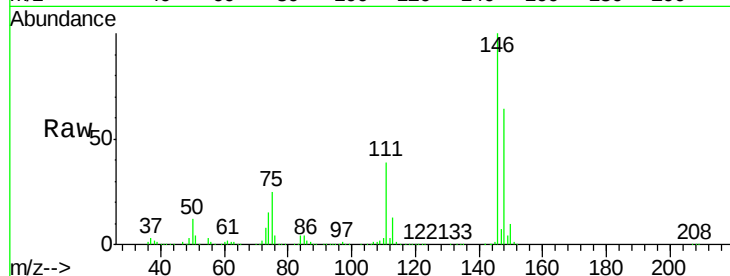
#91
 1,2-Dichlorobenzene
 Concen: 47.713 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.2	57.6
148	64.6	32.4	97.0

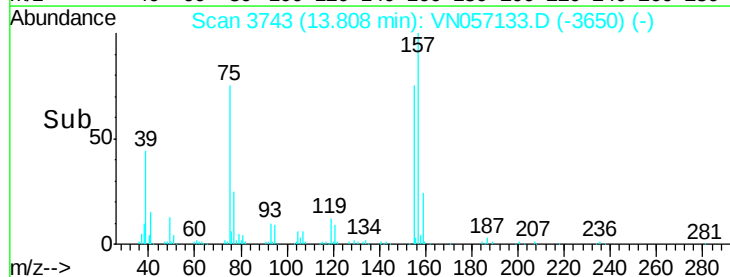
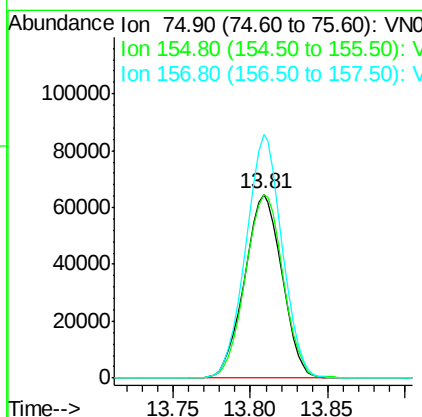
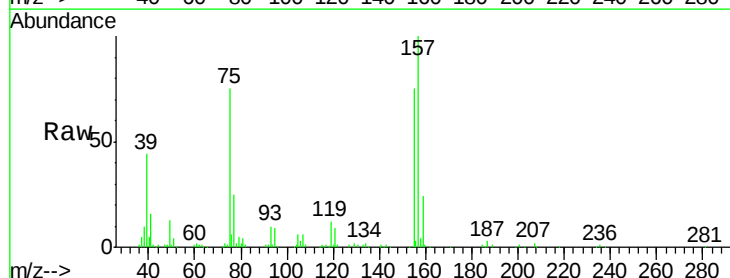
Manual Integrations
 APPROVED

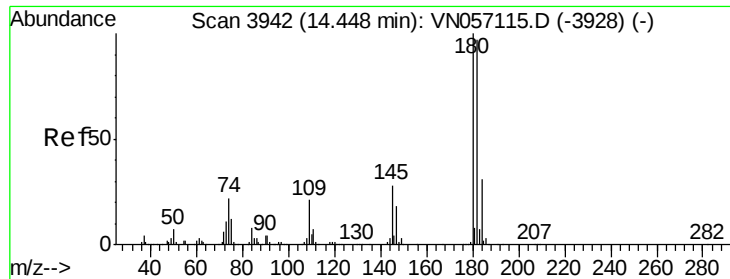
MMDadoda
 8/9/2019 9:28:08 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.162 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. -0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.8	49.3	147.9
157	128.2	65.3	195.8





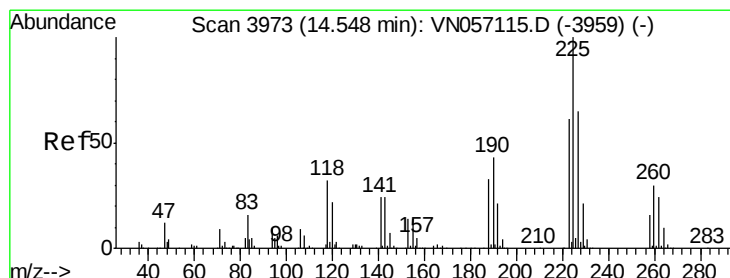
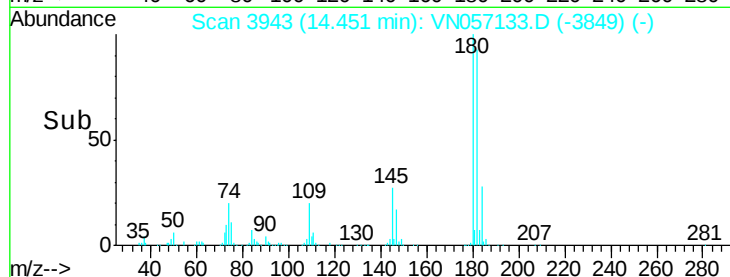
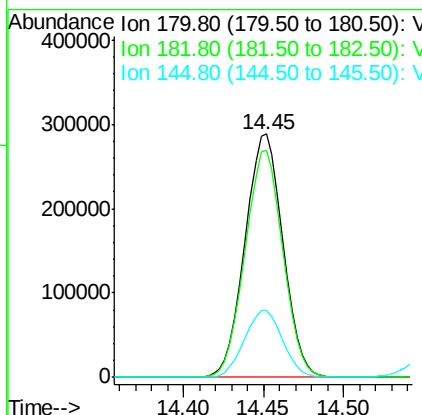
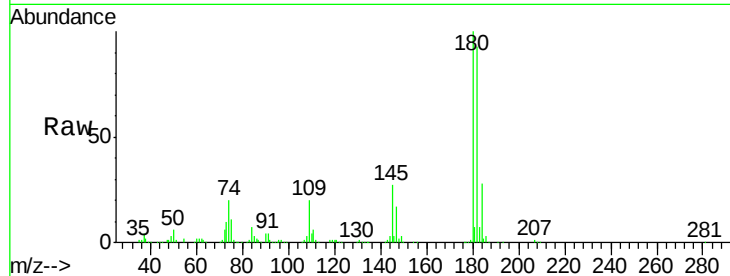
#93
 1,2,4-Trichlorobenzene
 Concen: 48.173 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	467028		
182	93.2	47.5	142.6	
145	27.8	14.1	42.2	

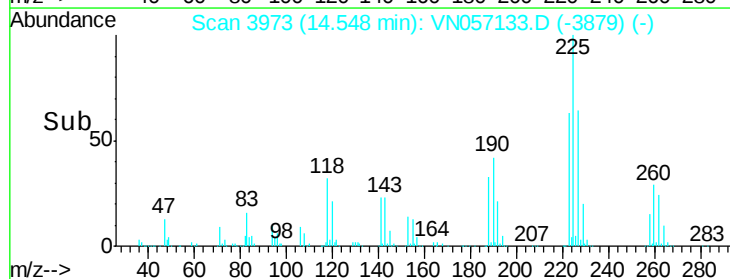
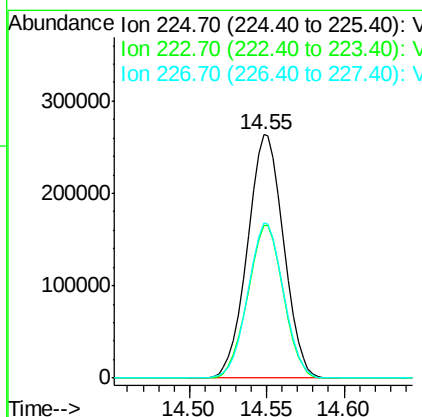
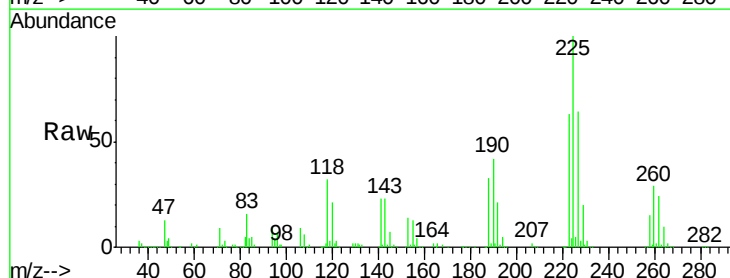
Manual Integrations
 APPROVED

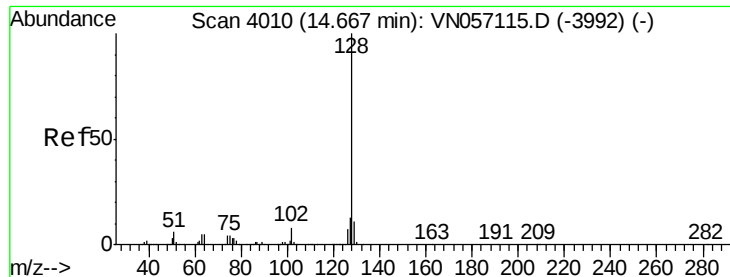
MMDadoda
 8/9/2019 9:28:08 AM



#94
 Hexachlorobutadiene
 Concen: 53.683 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057133.D
 Acq: 8 Aug 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	428235		
223	61.8	30.9	92.8	
227	62.7	32.4	97.0	





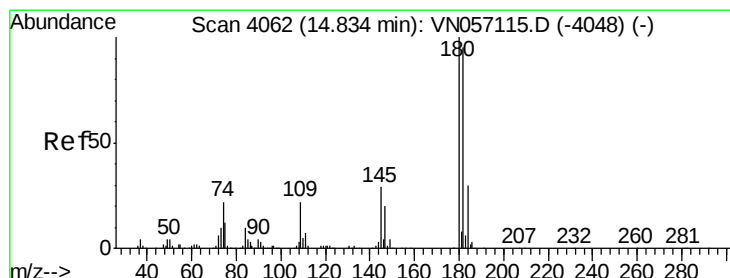
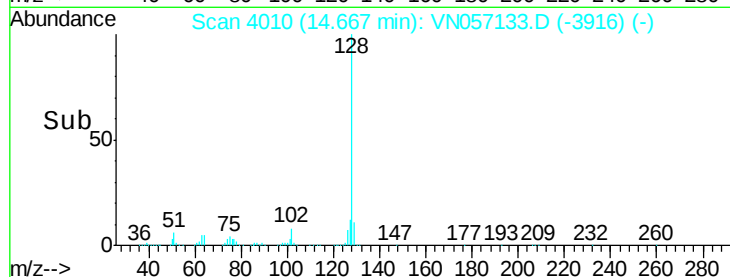
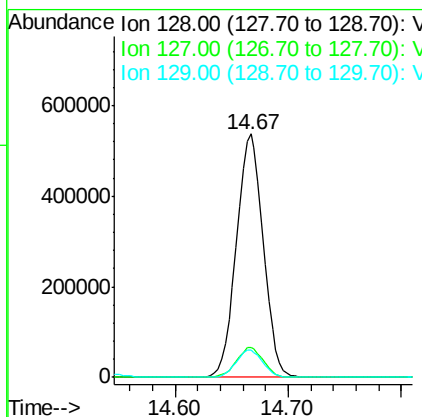
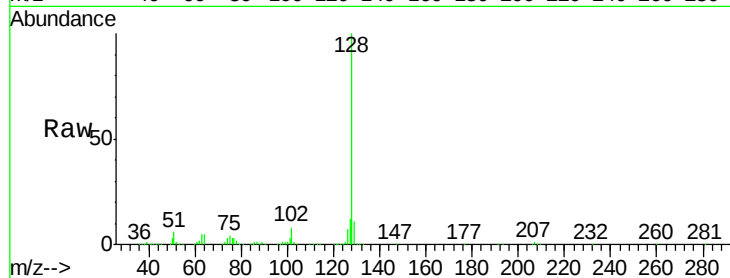
#95
Naphthalene
Concen: 46.270 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.3	15.5
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:08 AM



#96
1,2,3-Trichlorobenzene
Concen: 44.528 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VN057133.D
Acq: 8 Aug 2019 15:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.3	144.8
145	29.4	14.9	44.5

