

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058742.D
 Acq On : 12 Oct 2019 7:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:49:03 AM

Quant Time: Oct 12 07:27:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	398595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	657750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	615562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	306735	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	288013	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	7.57	113	207823	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.09	98	822143	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.40	95	310850	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	263798	53.139	ug/l	99
3) Chloromethane	2.04	50	297039	50.319	ug/l	99
4) Vinyl Chloride	2.17	62	300908	51.180	ug/l	99
5) Bromomethane	2.54	94	175307	49.015	ug/l	99
6) Chloroethane	2.68	64	188032	51.850	ug/l	100
7) Trichlorofluoromethane	3.00	101	366571	52.097	ug/l	99
8) Diethyl Ether	3.39	74	128997	49.618	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	200457	49.964	ug/l	99
10) Methyl Iodide	3.93	142	279984	51.139	ug/l	99
11) Tert butyl alcohol	4.76	59	209965	232.331	ug/l	100
12) 1,1-Dichloroethene	3.72	96	199585	52.139	ug/l	91
13) Acrolein	3.58	56	148017	203.647	ug/l	100
14) Allyl chloride	4.30	41	376847	48.783	ug/l	100
15) Acrylonitrile	4.96	53	596126	261.565	ug/l	99
16) Acetone	3.79	43	521545	225.758	ug/l	99
17) Carbon Disulfide	4.03	76	608890	49.761	ug/l	100
18) Methyl Acetate	4.30	43	315466	53.834	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	723108	52.902	ug/l	99
20) Methylene Chloride	4.53	84	236744	49.034	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	217831	50.873	ug/l	98
22) Diisopropyl ether	5.93	45	790811	52.651	ug/l	99
23) Vinyl Acetate	5.87	43	3143743	259.391	ug/l	100
24) 1,1-Dichloroethane	5.82	63	444131	51.918	ug/l	99
25) 2-Butanone	6.81	43	821513	246.025	ug/l	99
26) 2,2-Dichloropropane	6.80	77	272840	34.940	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	251187	50.307	ug/l	95
28) Bromochloromethane	7.18	49	155037	52.096	ug/l	98
29) Tetrahydrofuran	7.19	42	556948	258.101	ug/l	99
30) Chloroform	7.36	83	438035	50.966	ug/l	99
31) Cyclohexane	7.63	56	405986	49.601	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	386029	52.666	ug/l	100
36) 1,1-Dichloropropene	7.78	75	334463	50.293	ug/l	99
37) Ethyl Acetate	6.91	43	352341	52.387	ug/l	98
38) Carbon Tetrachloride	7.76	117	338646	52.249	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058742.D
 Acq On : 12 Oct 2019 7:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:49:03 AM

Quant Time: Oct 12 07:27:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	377327	48.896	ug/l	97
40) Benzene	8.02	78	979085	51.262	ug/l	99
41) Methacrylonitrile	7.16	41	159212m	50.570	ug/l	
42) 1,2-Dichloroethane	8.11	62	373649	50.921	ug/l	100
43) Isopropyl Acetate	8.15	43	578095	50.456	ug/l	99
44) Trichloroethene	8.82	130	240112	50.624	ug/l	99
45) 1,2-Dichloropropane	9.11	63	264979	51.824	ug/l	98
46) Dibromomethane	9.20	93	169997	52.441	ug/l	100
47) Bromodichloromethane	9.39	83	346693	52.520	ug/l	99
48) Methyl methacrylate	9.19	41	277400	53.412	ug/l	99
49) 1,4-Dioxane	9.19	88	80913	1007.040	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1776494	276.081	ug/l	99
52) Toluene	10.15	92	598714	51.252	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	375090	49.542	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	399327	49.676	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	237263	49.624	ug/l	99
56) Ethyl methacrylate	10.43	69	382422	54.749	ug/l	99
57) 1,3-Dichloropropane	10.71	76	418800	51.402	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	921327	273.696	ug/l	100
59) 2-Hexanone	10.75	43	1313382	264.116	ug/l	100
60) Dibromochloromethane	10.90	129	264539	53.635	ug/l	100
61) 1,2-Dibromoethane	11.00	107	246947	51.554	ug/l	100
64) Tetrachloroethene	10.63	164	240461	55.819	ug/l	97
65) Chlorobenzene	11.43	112	634702	50.773	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	242008	52.355	ug/l	99
67) Ethyl Benzene	11.51	91	1179130	52.915	ug/l	100
68) m/p-Xylenes	11.62	106	874243	104.544	ug/l	99
69) o-Xylene	11.95	106	421309	52.072	ug/l	98
70) Styrene	11.97	104	702103	52.945	ug/l	99
71) Bromoform	12.13	173	184828	54.550	ug/l	99
73) Isopropylbenzene	12.25	105	1151733	51.846	ug/l	99
74) N-amyl acetate	12.07	43	516026	51.720	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	357492	48.850	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	321696m	47.807	ug/l	
77) Bromobenzene	12.53	156	269271	49.835	ug/l	98
78) n-propylbenzene	12.59	91	1354452	52.324	ug/l	100
79) 2-Chlorotoluene	12.68	91	792537	49.328	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	985343	51.955	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	113108	45.026	ug/l	97
82) 4-Chlorotoluene	12.78	91	833596	50.561	ug/l	100
83) tert-Butylbenzene	13.00	119	835296	51.412	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	987919	52.472	ug/l	99
85) sec-Butylbenzene	13.17	105	1135960	53.062	ug/l	100
86) p-Isopropyltoluene	13.29	119	1016301	52.233	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	498217	49.998	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	491022	48.465	ug/l	99
89) n-Butylbenzene	13.62	91	917860	51.017	ug/l	99
90) Hexachloroethane	13.88	117	184061	52.868	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	490487	50.503	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	80764	47.240	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
Data File : VN058742.D
Acq On : 12 Oct 2019 7:02
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 54 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM

Quant Time: Oct 12 07:27:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	296585	50.061	ug/l	100
94) Hexachlorobutadiene	15.01	225	151380	48.521	ug/l	99
95) Naphthalene	15.13	128	865360	50.823	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	289119	49.984	ug/l	99

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

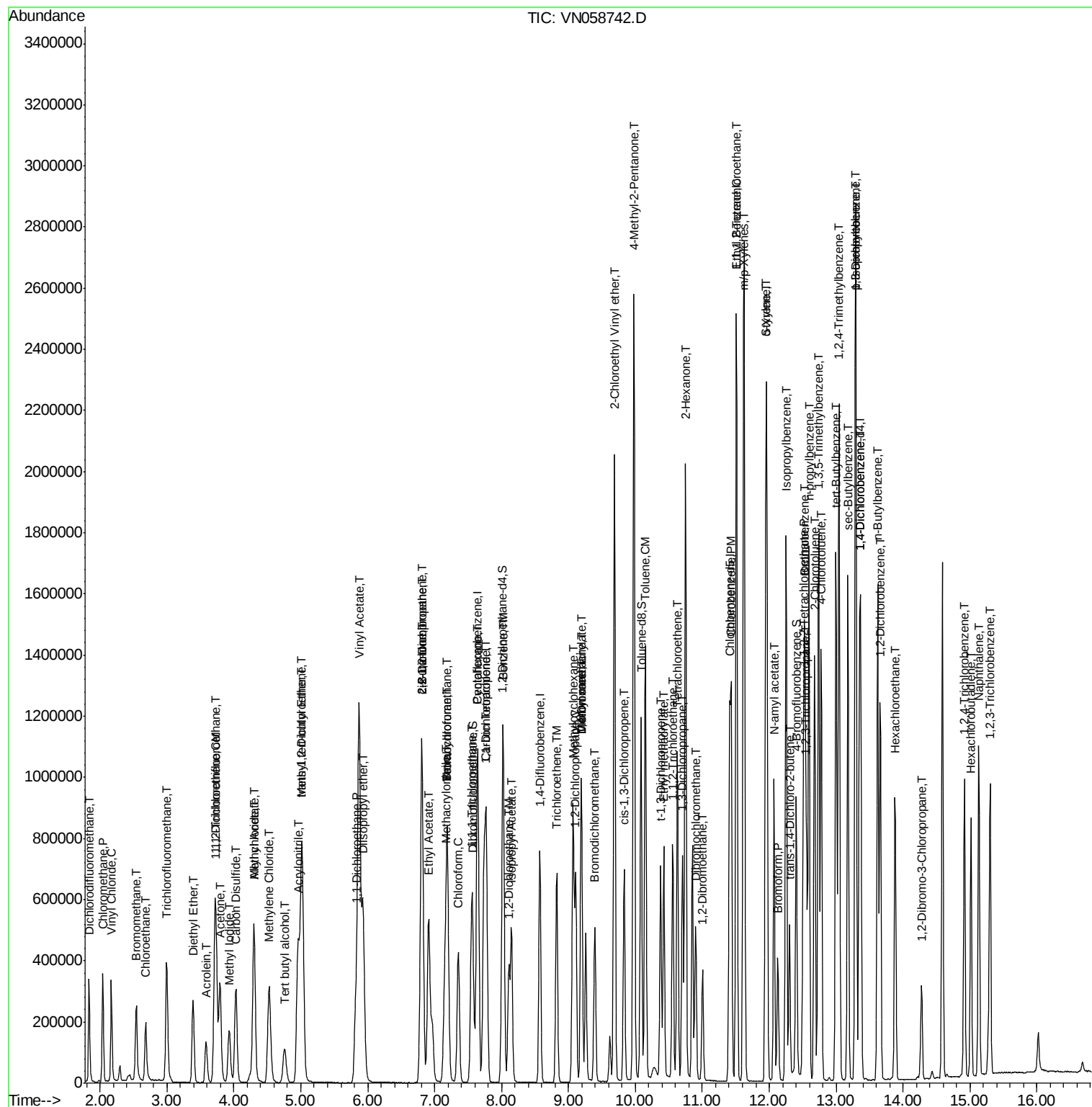
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101319\
Data File : VN058742.D
Acq On : 12 Oct 2019 7:02
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 54 Sample Multiplier: 1

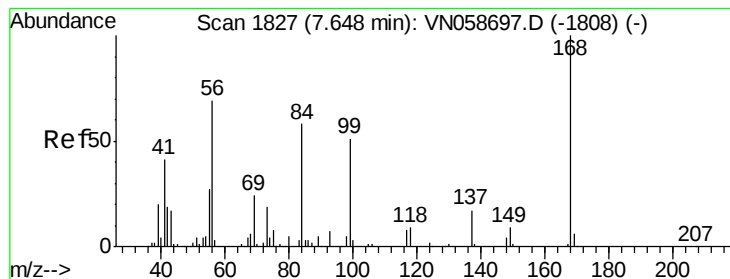
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM

Quant Time: Oct 12 07:27:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 398595

Ion Ratio Lower Upper

168 100

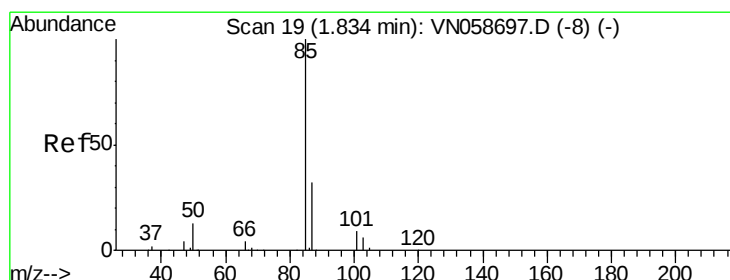
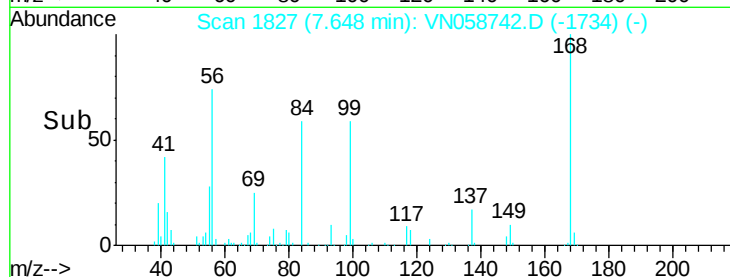
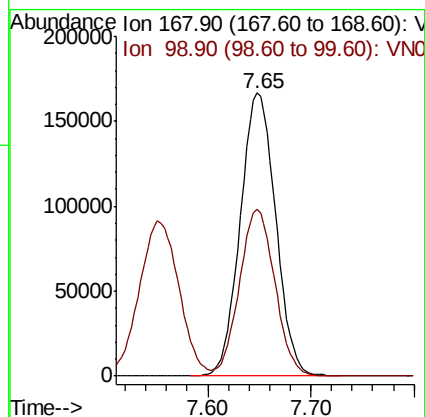
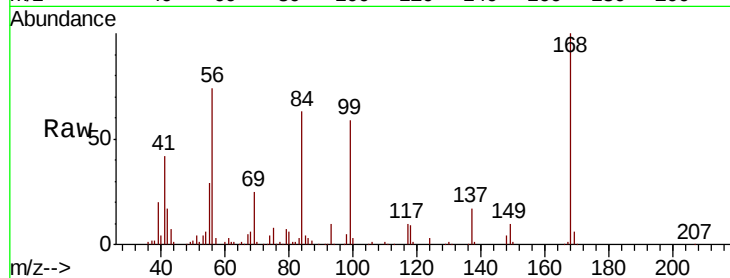
99 58.6 47.5 71.3

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:49:03 AM



#2

Dichlorodifluoromethane

Concen: 53.139 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058742.D

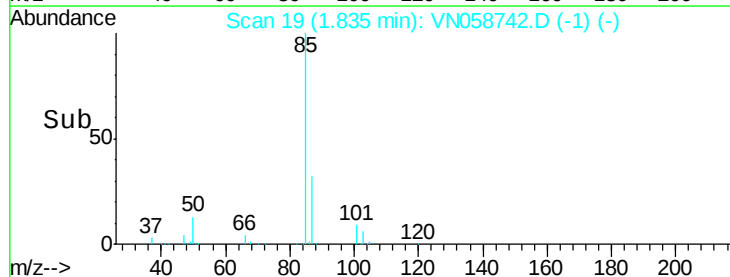
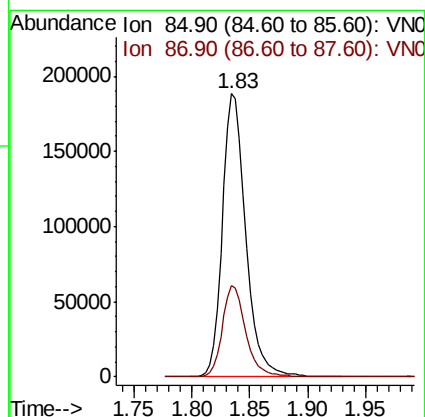
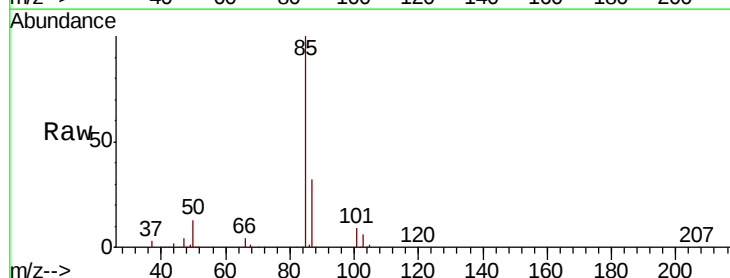
Acq: 12 Oct 2019 7:02

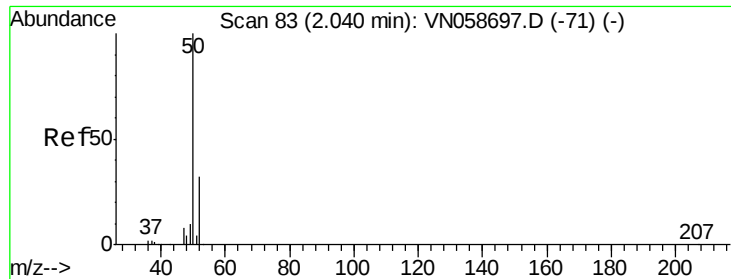
Tgt Ion: 85 Resp: 263798

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.6





#3

Chloromethane

Concen: 50.319 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 297039

Ion Ratio Lower Upper

50 100

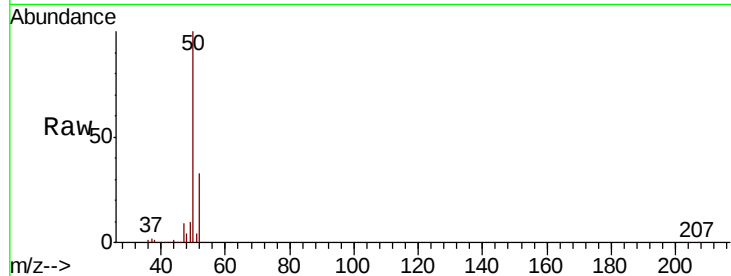
52 32.9 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:49:03 AM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.04

250000

200000

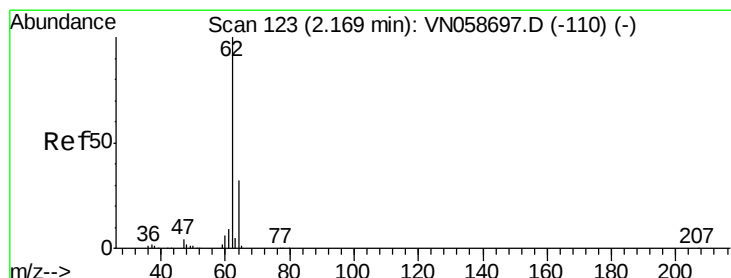
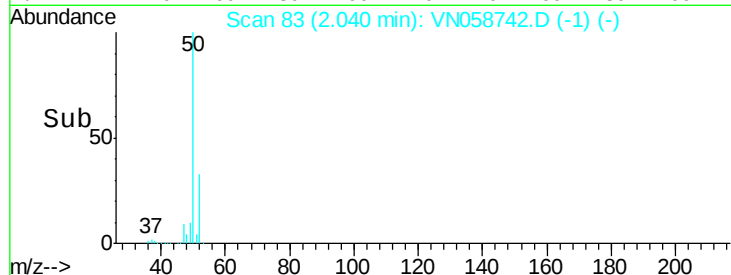
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.180 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058742.D

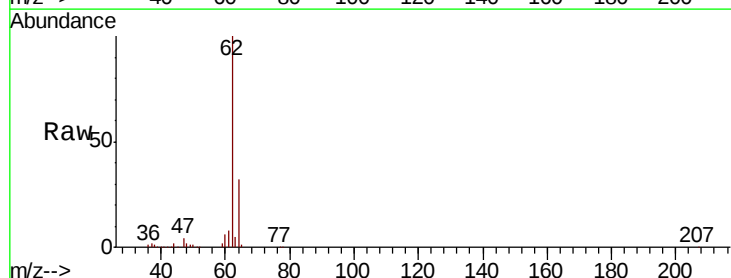
Acq: 12 Oct 2019 7:02

Tgt Ion: 62 Resp: 300908

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.17

200000

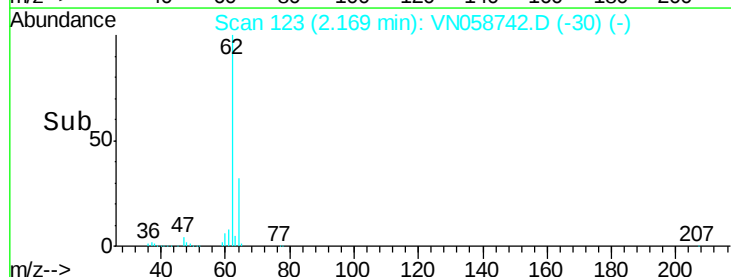
150000

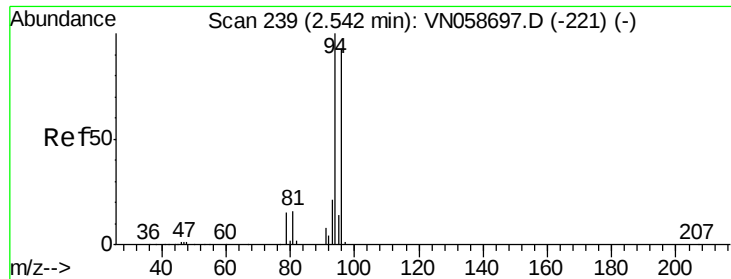
100000

50000

0

Time-->





#5

Bromomethane

Concen: 49.015 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Tot Ion: 94 Resp: 175307

Ion Ratio Lower Upper

94 100

96 94.1 74.5 111.7

Instrument :

MSVOA_N

ClientSampleId :

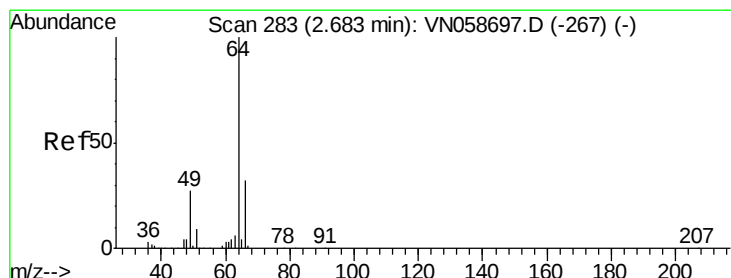
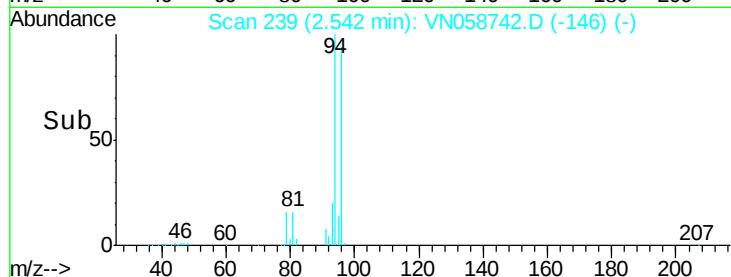
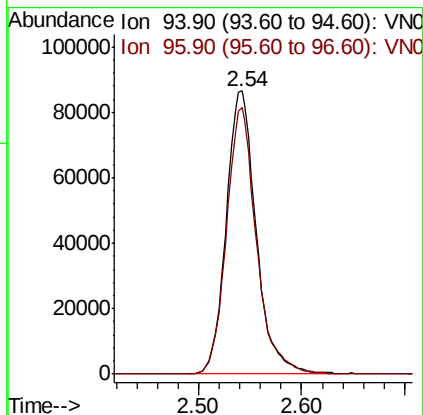
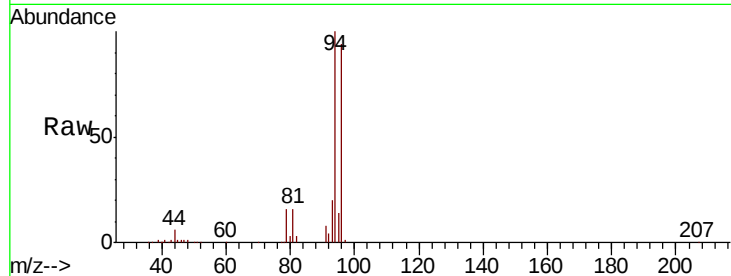
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:49:03 AM



#6

Chloroethane

Concen: 51.850 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058742.D

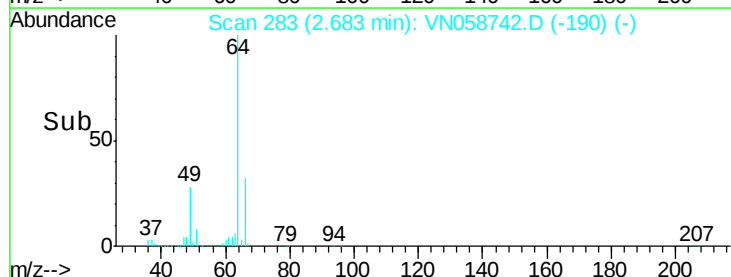
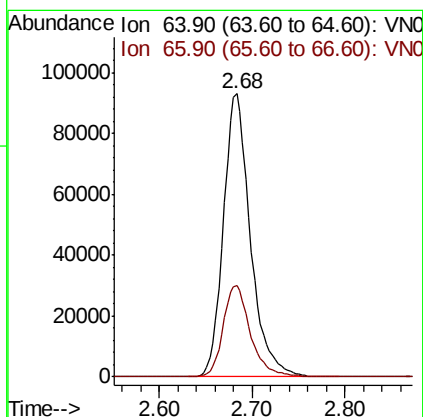
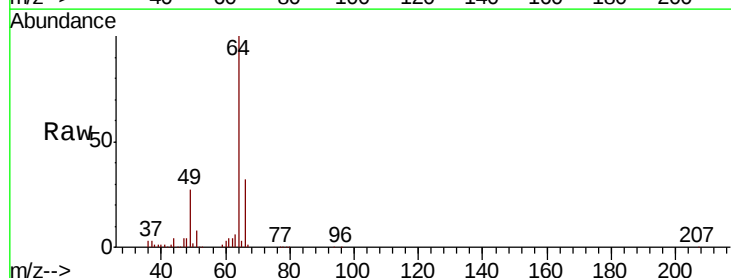
Acq: 12 Oct 2019 7:02

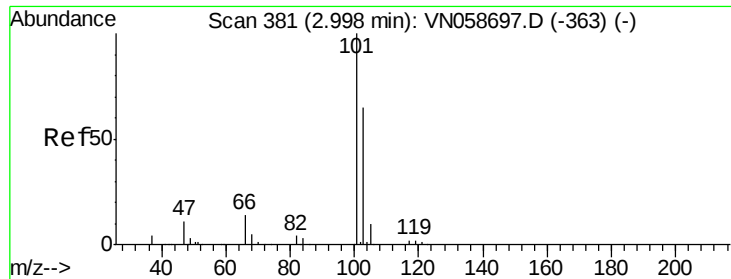
Tgt Ion: 64 Resp: 188032

Ion Ratio Lower Upper

64 100

66 31.9 25.4 38.2





#7

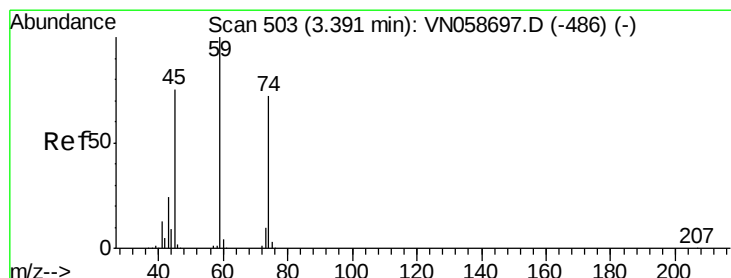
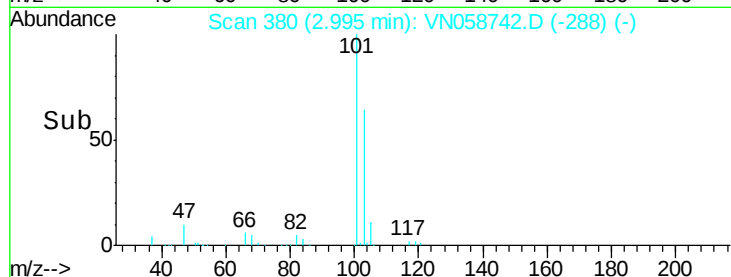
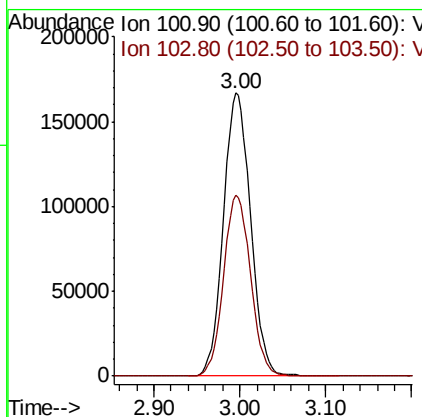
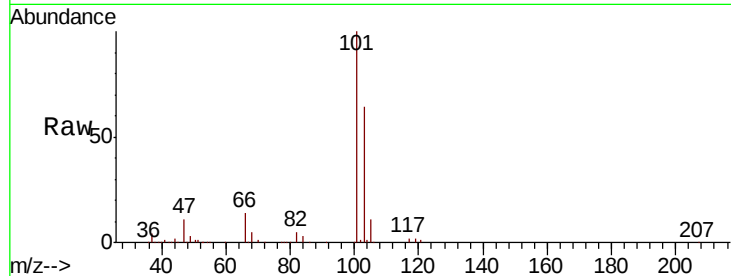
Trichlorofluoromethane
 Concen: 52.097 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.8	77.6

Manual Integrations
 APPROVED

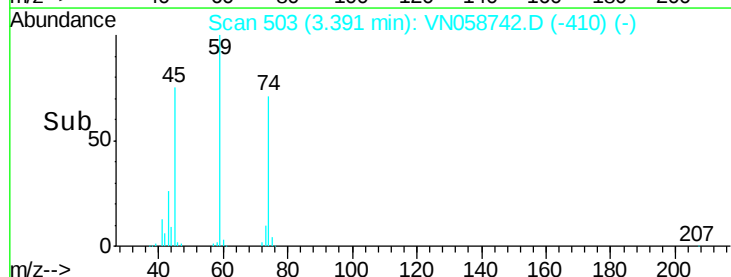
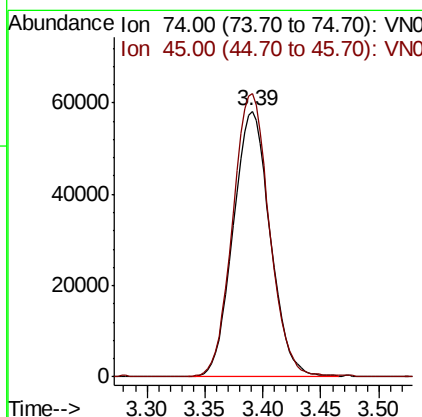
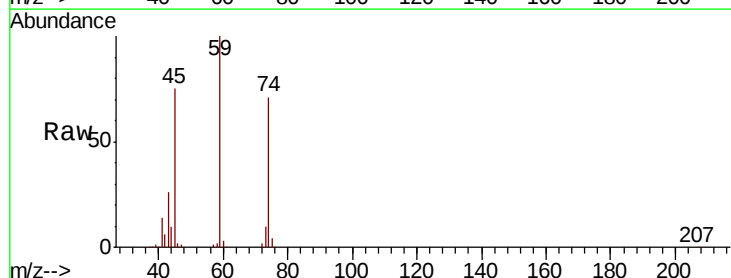
MMDadoda
 10/16/2019 12:49:03 AM

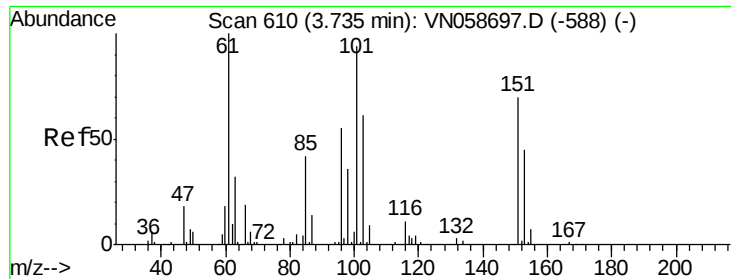


#8

Diethyl Ether
 Concen: 49.618 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.2	51.3	154.0





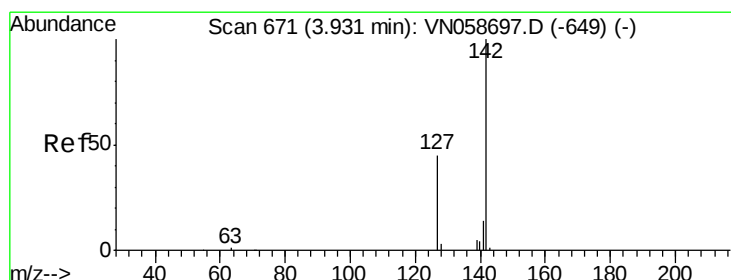
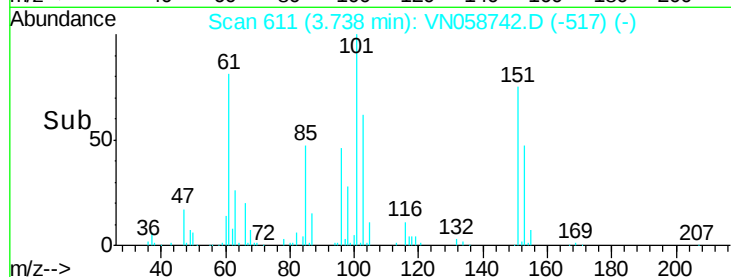
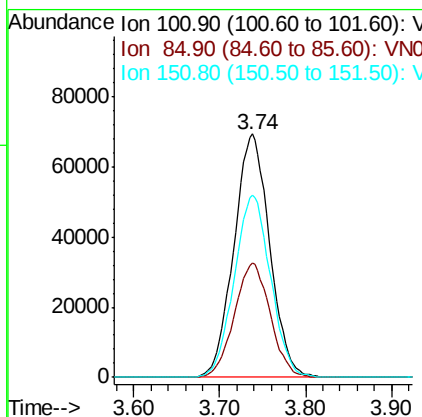
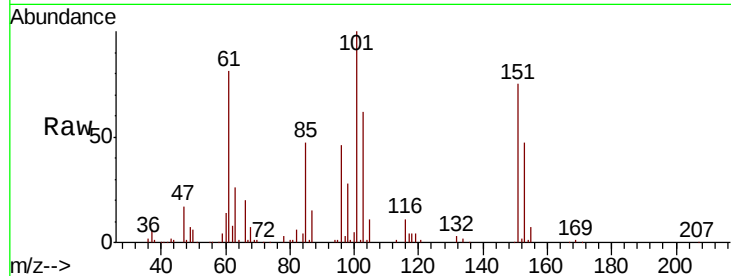
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.964 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	200457		
85	47.1		37.0	55.6
151	75.9		61.8	92.6

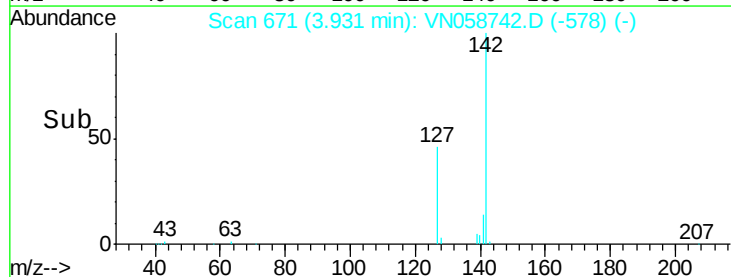
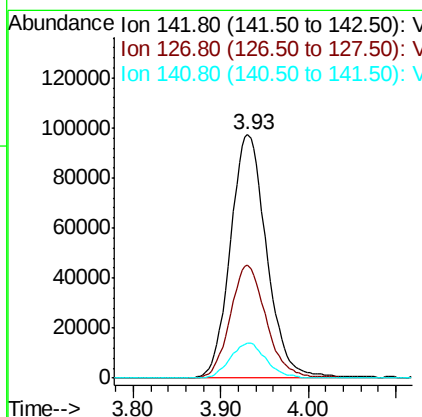
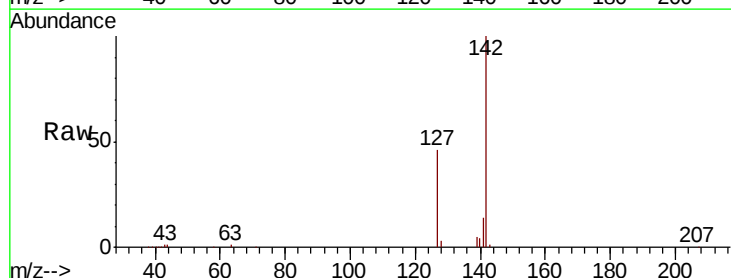
Manual Integrations
 APPROVED

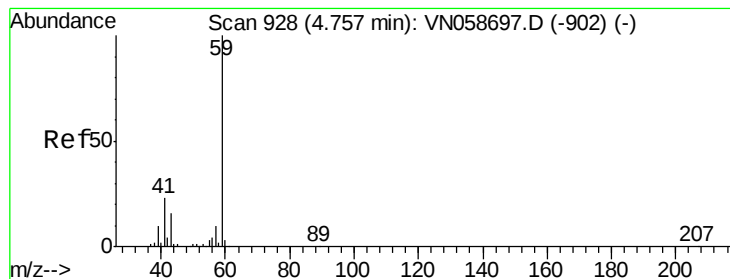
MMDadoda
 10/16/2019 12:49:03 AM



#10
 Methyl Iodide
 Concen: 51.139 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	279984		
127	45.9		36.4	54.6
141	14.4		11.1	16.7





#11

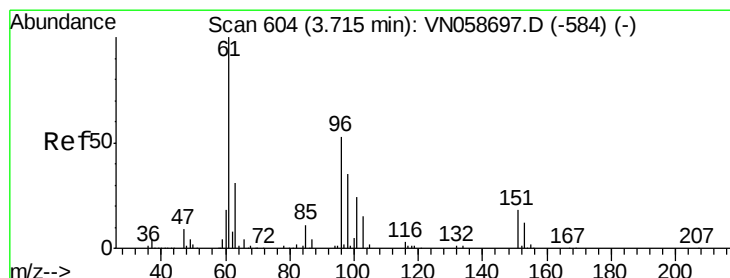
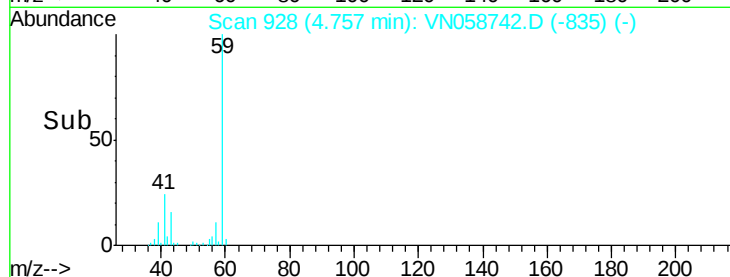
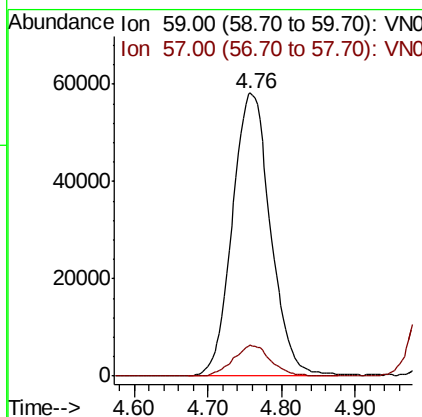
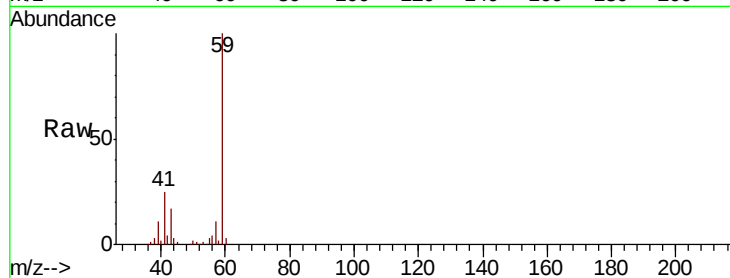
Tert butyl alcohol
 Concen: 232.331 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

Manual Integrations
 APPROVED

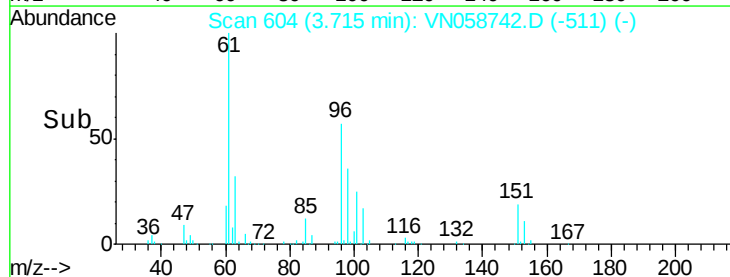
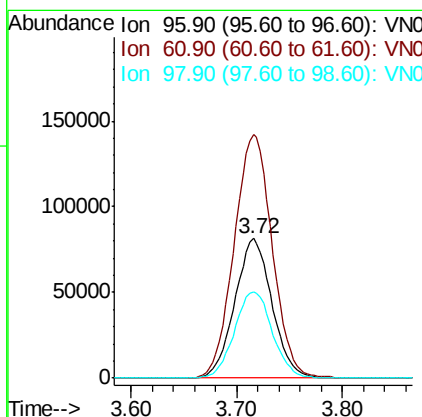
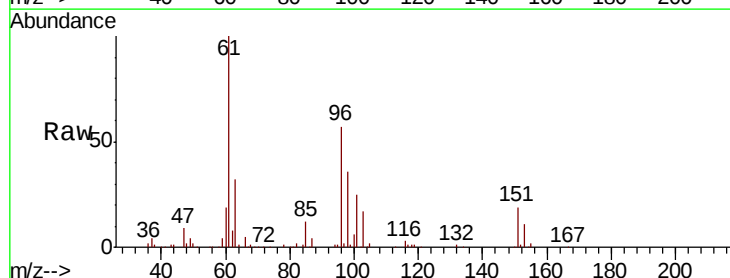
MMDadoda
 10/16/2019 12:49:03 AM

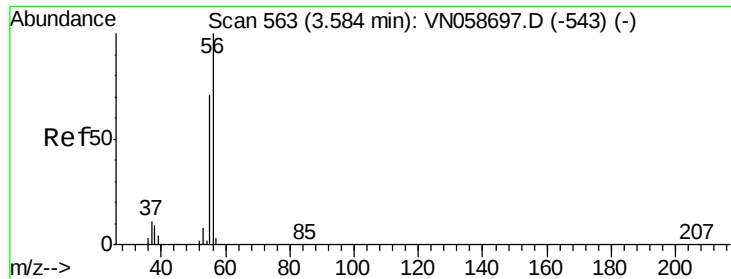


#12

1,1-Dichloroethene
 Concen: 52.139 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.2	151.3	226.9
98	61.9	52.6	78.8





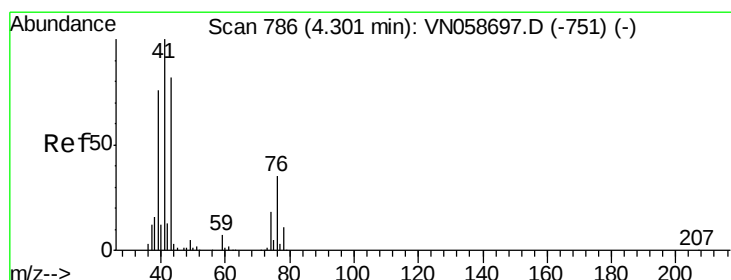
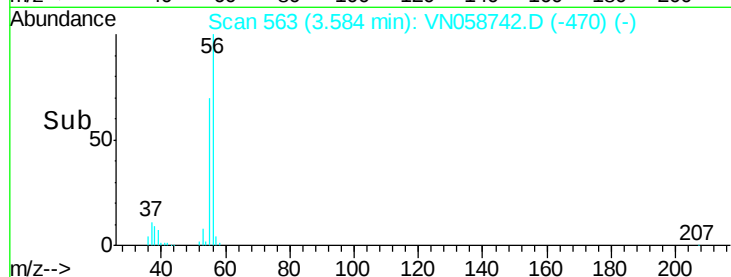
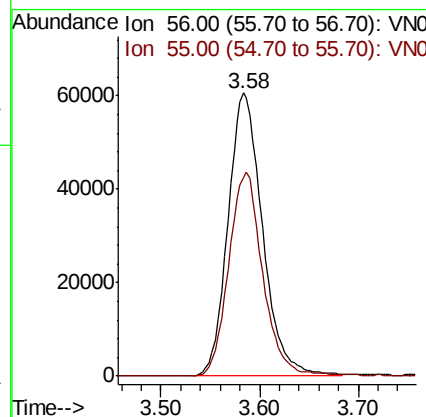
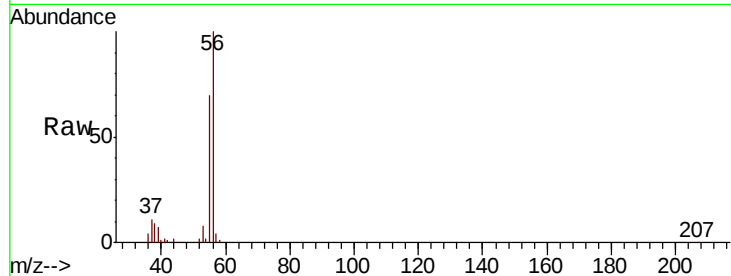
#13
 Acrolein
 Concen: 203.647 ug/l
 RT: 3.58 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	56	Resp	148017
Ion Ratio	Lower	Upper	
56	100		
55	71.1	56.7	85.1

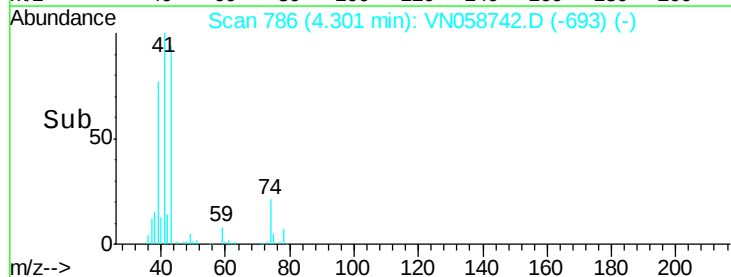
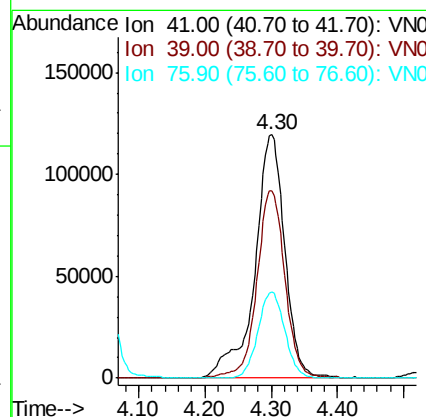
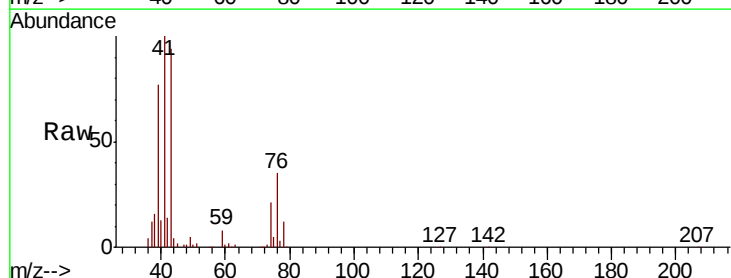
Manual Integrations
 APPROVED

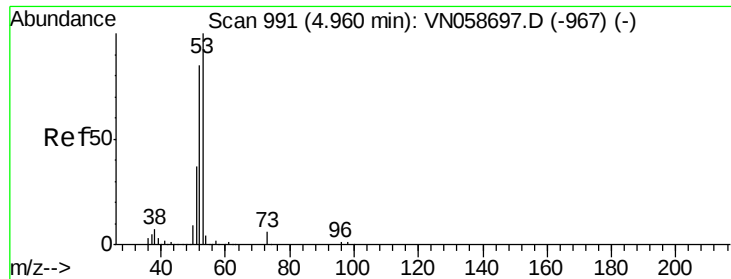
MMDadoda
 10/16/2019 12:49:03 AM



#14
 Allyl chloride
 Concen: 48.783 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Tgt Ion	41	Resp	376847
Ion Ratio	Lower	Upper	
41	100		
39	71.7	57.2	85.8
76	31.7	25.0	37.6





#15

Acrylonitrile

Concen: 261.565 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

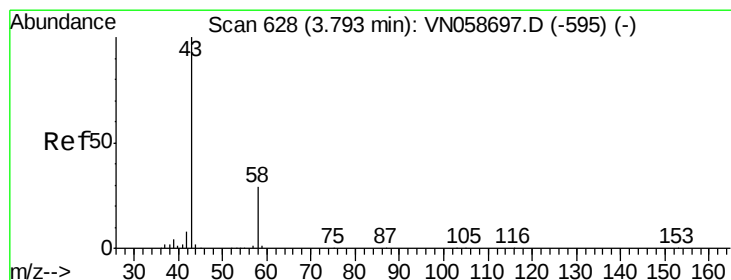
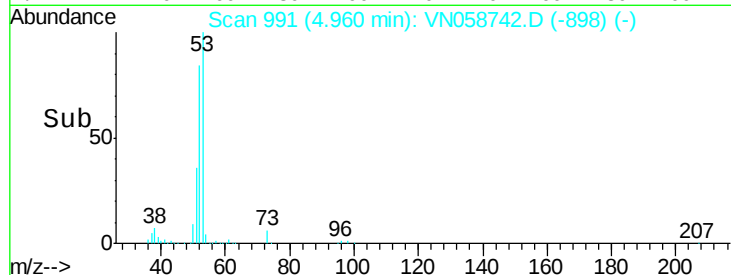
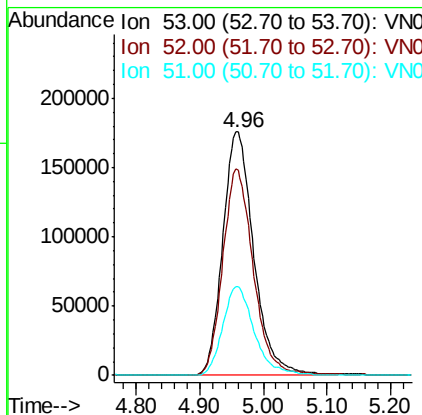
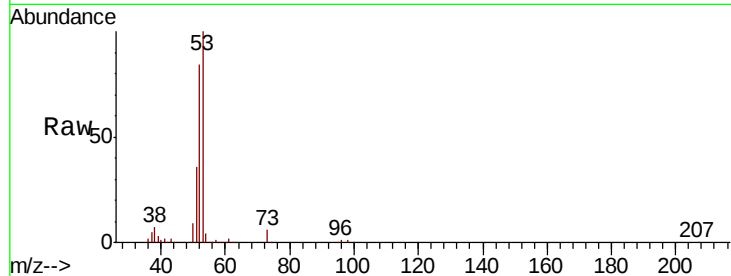
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	596126
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.2	99.2
51	37.1	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



#16

Acetone

Concen: 225.758 ug/l

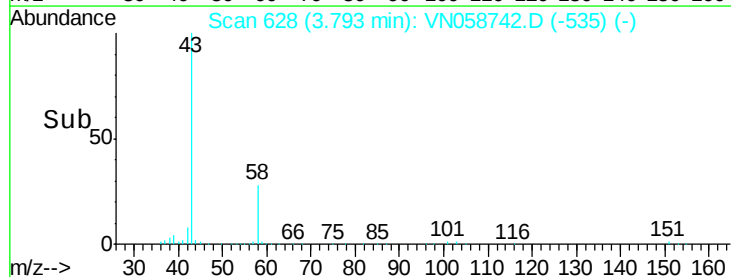
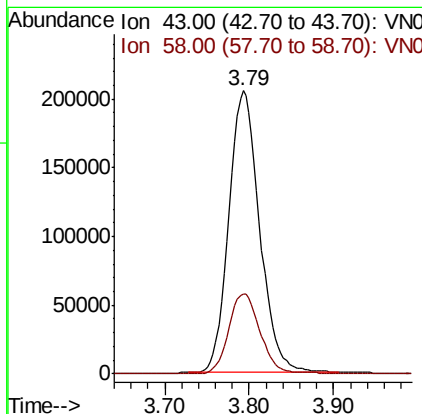
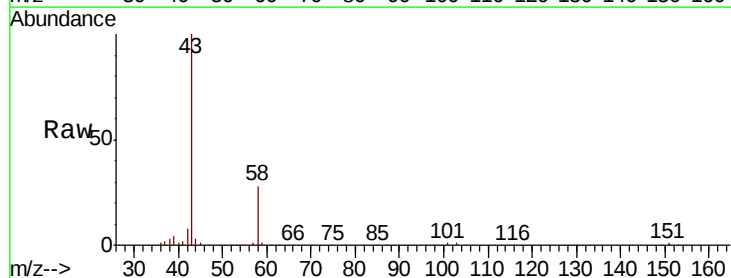
RT: 3.79 min Scan# 628

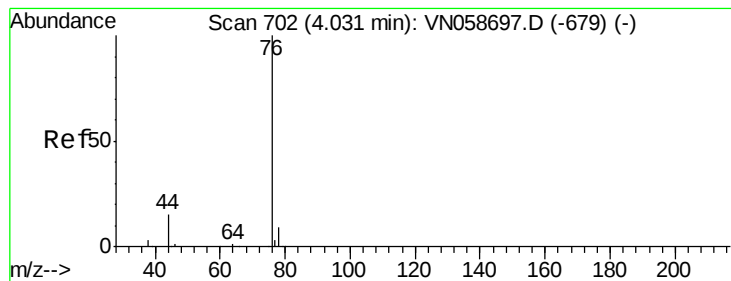
Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Tgt Ion:	43	Resp:	521545
Ion Ratio		Lower	Upper
43	100		
58	28.3	23.3	34.9





#17

Carbon Disulfide

Concen: 49.761 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 608890

Ion Ratio Lower Upper

76 100

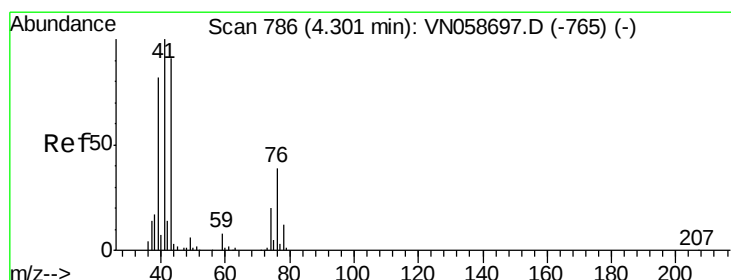
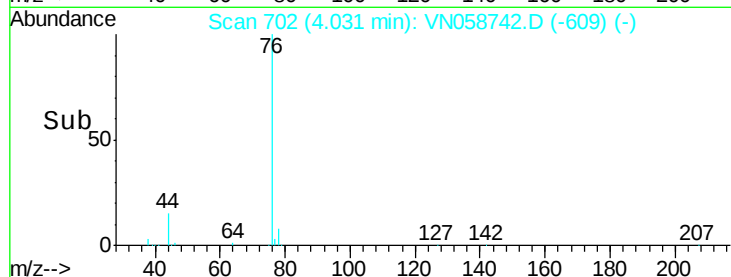
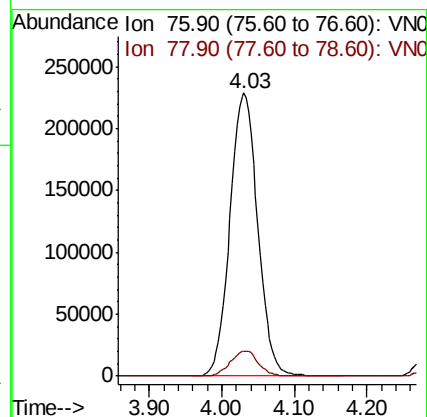
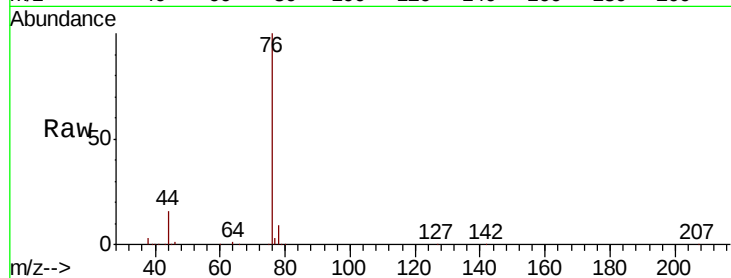
78 8.8 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:49:03 AM



#18

Methyl Acetate

Concen: 53.834 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058742.D

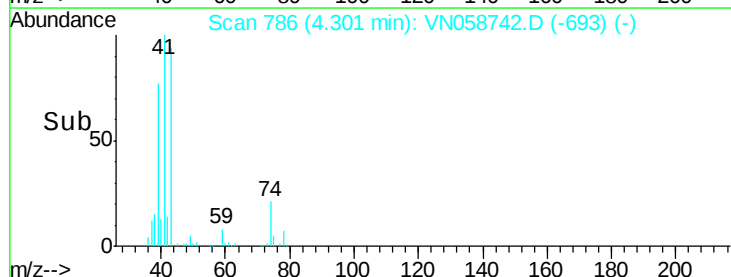
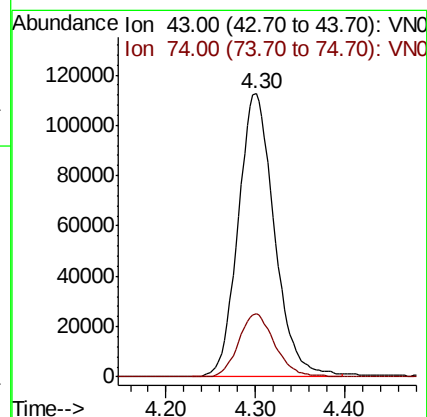
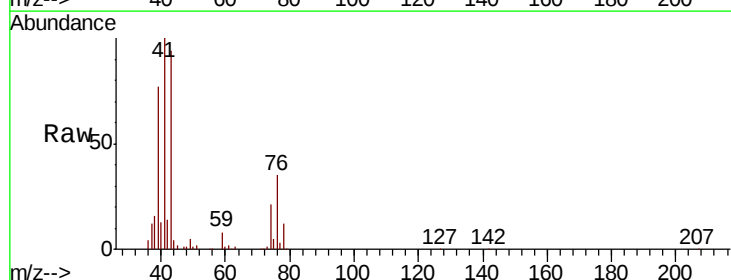
Acq: 12 Oct 2019 7:02

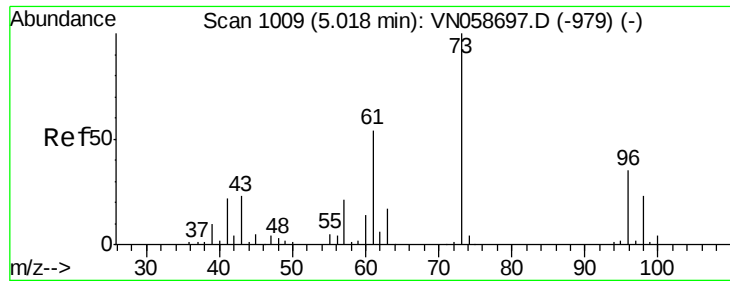
Tgt Ion: 43 Resp: 315466

Ion Ratio Lower Upper

43 100

74 22.6 17.2 25.8





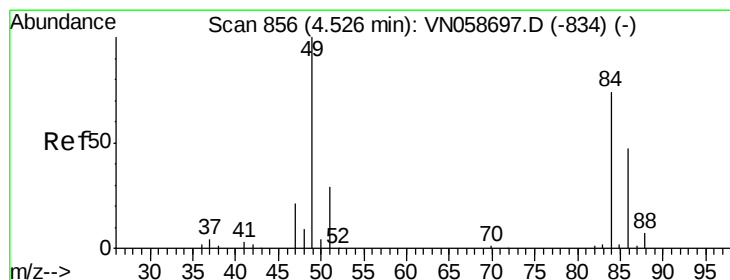
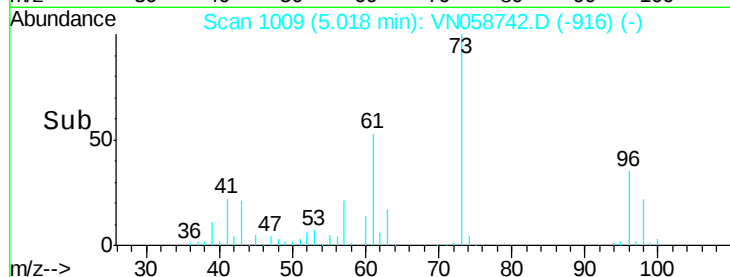
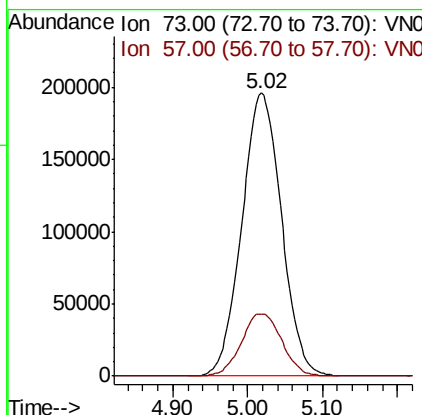
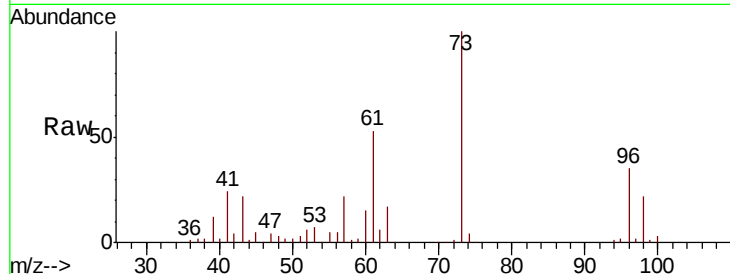
#19
Methvl tert-butvl Ether
Concen: 52.902 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 723108
Ion Ratio Lower Upper
73 100
57 22.0 17.0 25.6

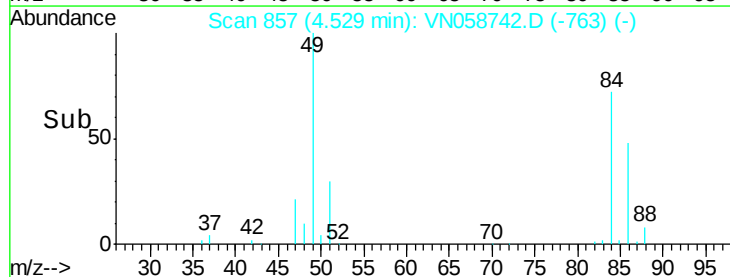
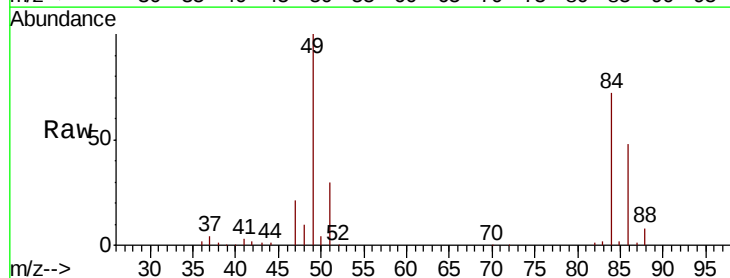
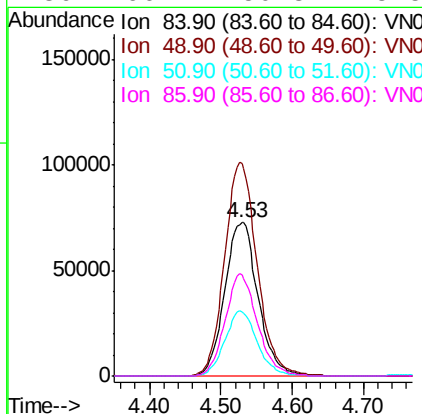
Manual Integrations
APPROVED

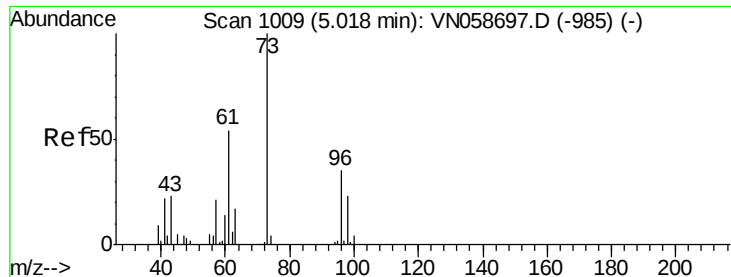
MMDadoda
10/16/2019 12:49:03 AM



#20
Methylene Chloride
Concen: 49.034 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion: 84 Resp: 236744
Ion Ratio Lower Upper
84 100
49 138.8 107.6 161.4
51 41.9 31.4 47.0
86 66.1 50.3 75.5





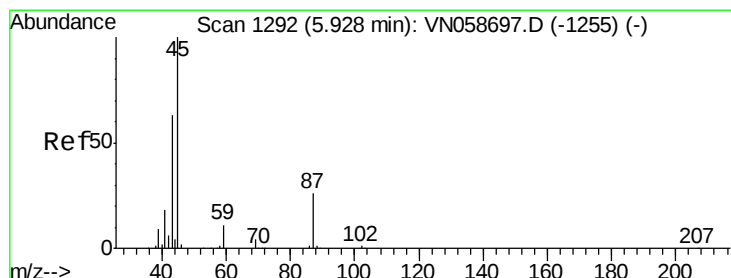
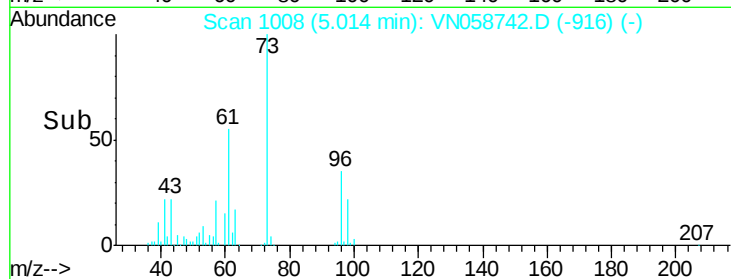
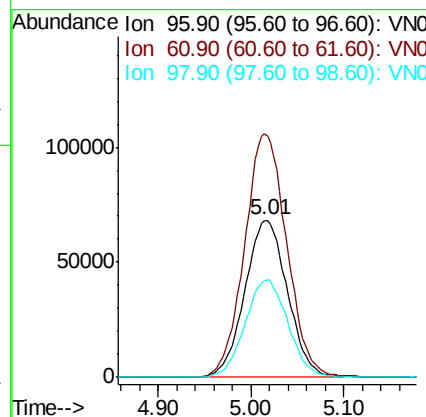
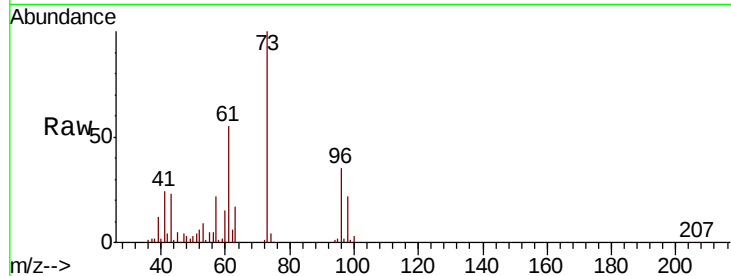
#21
trans-1,2-Dichloroethene
Concen: 50.873 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.2	123.6	185.4
98	61.7	52.1	78.1

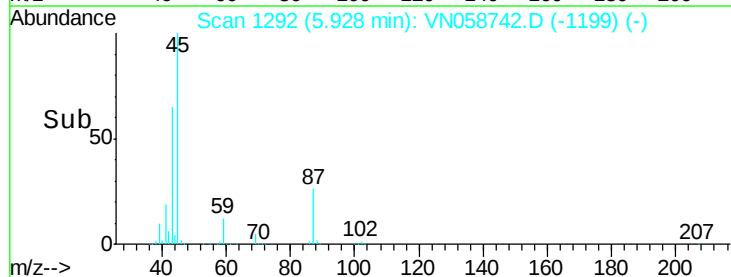
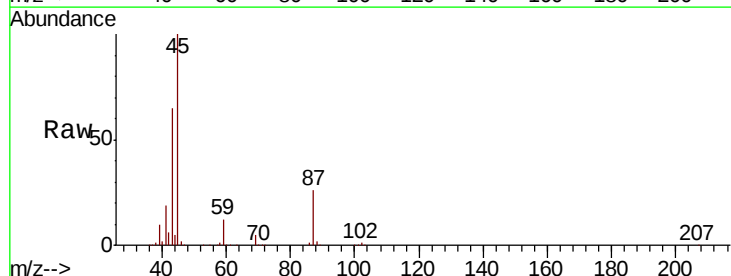
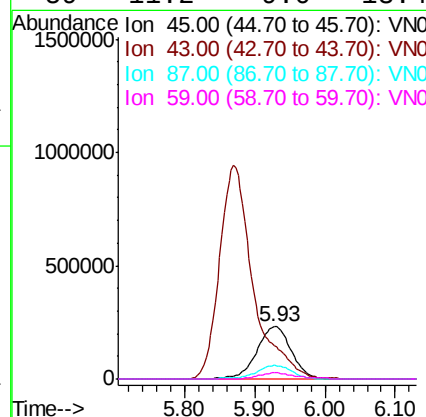
Manual Integrations
APPROVED

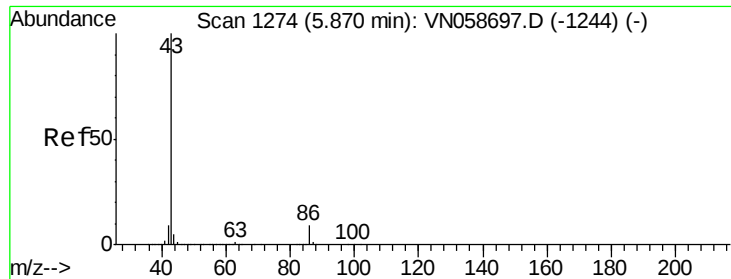
MMDadoda
10/16/2019 12:49:03 AM



#22
Diisopropyl ether
Concen: 52.651 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.6	50.6	75.8
87	25.8	21.1	31.7
59	11.2	9.0	13.4





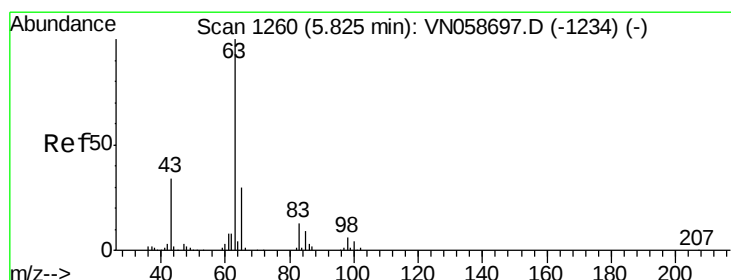
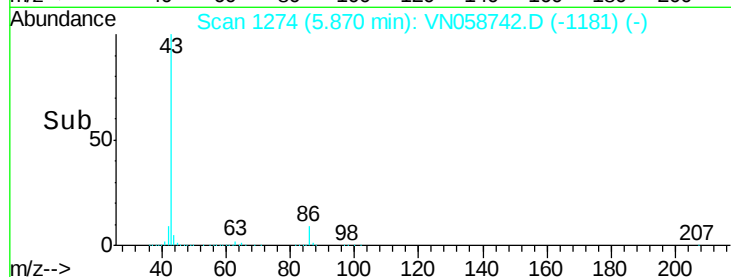
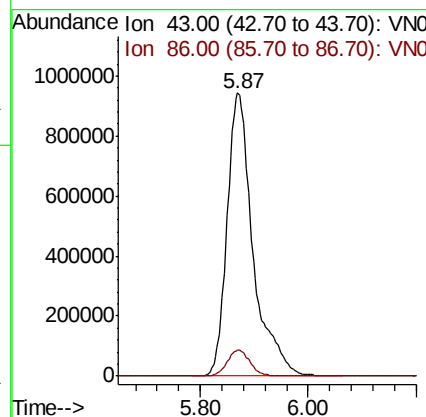
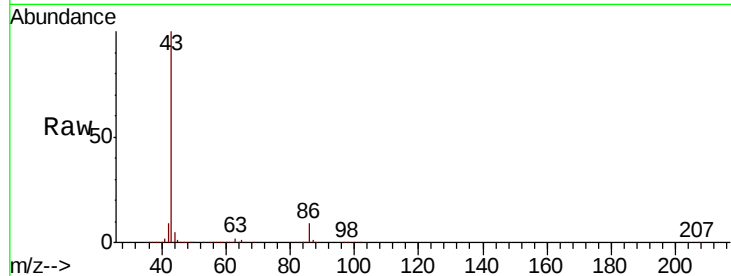
#23
 Vinyl Acetate
 Concen: 259.391 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3143743
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.0

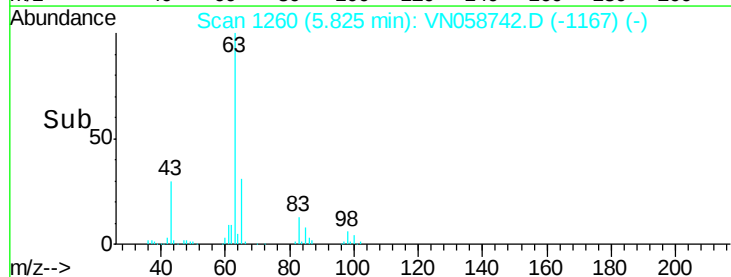
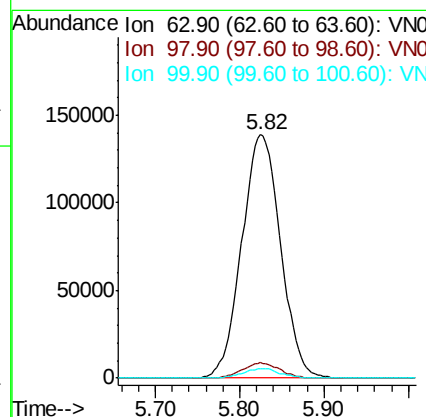
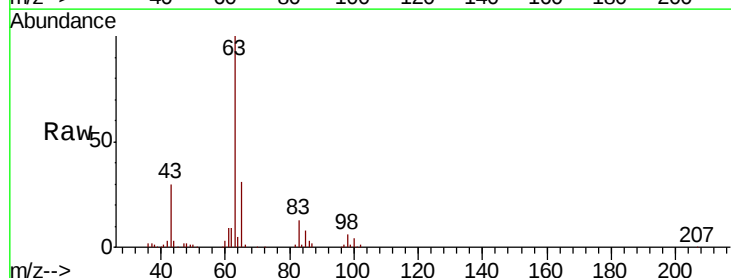
Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:49:03 AM



#24
 1,1-Dichloroethane
 Concen: 51.918 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Tgt Ion: 63 Resp: 444131
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.6
 100 3.7 1.8 5.5





#25

2-Butanone

Concen: 246.025 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 821513

Ion Ratio Lower Upper

43 100

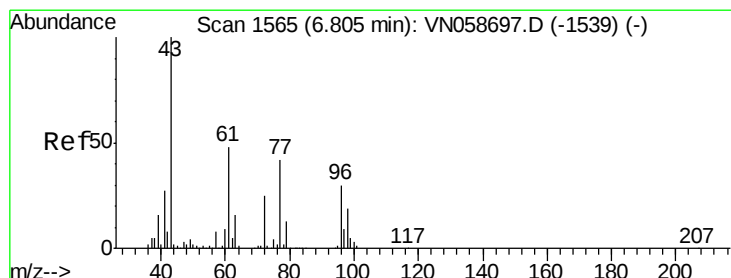
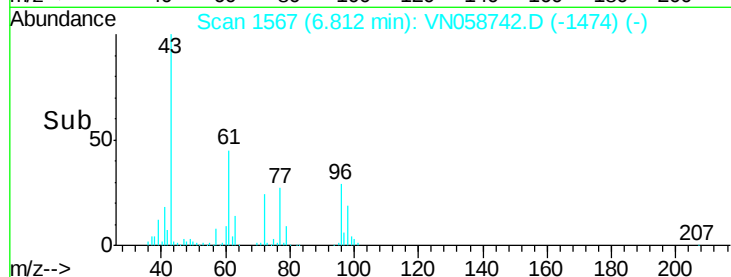
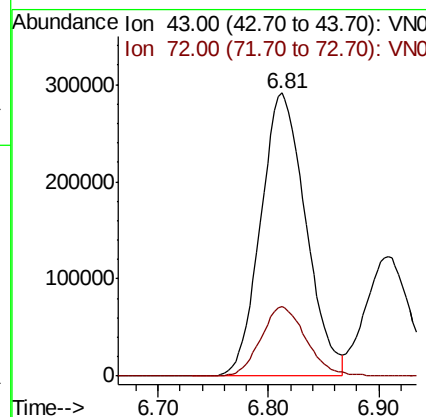
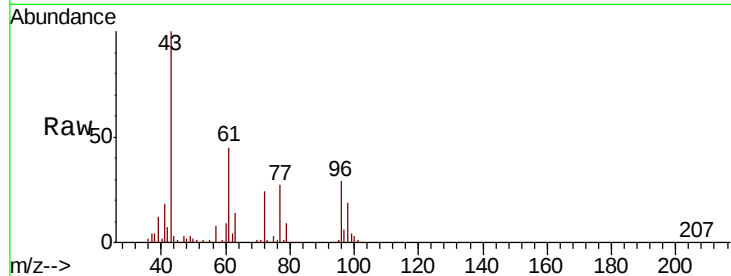
72 24.5 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:49:03 AM



#26

2,2-Dichloropropane

Concen: 34.940 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058742.D

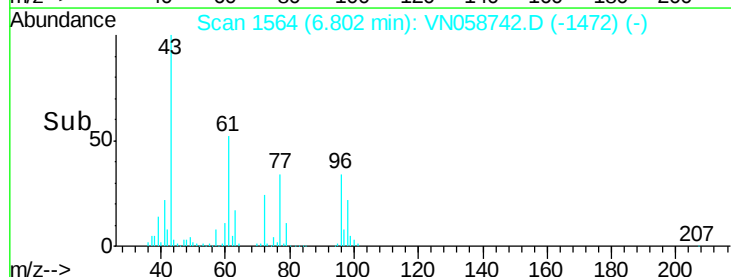
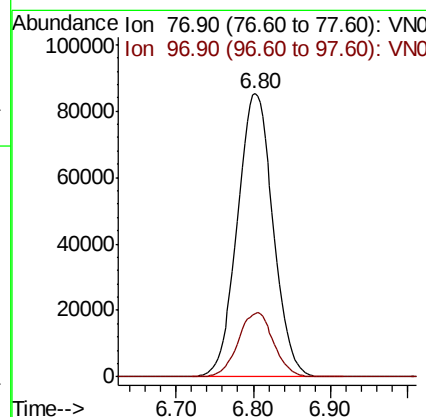
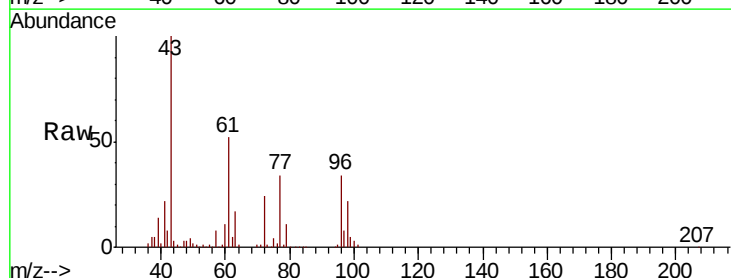
Acq: 12 Oct 2019 7:02

Tgt Ion: 77 Resp: 272840

Ion Ratio Lower Upper

77 100

97 22.5 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 50.307 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

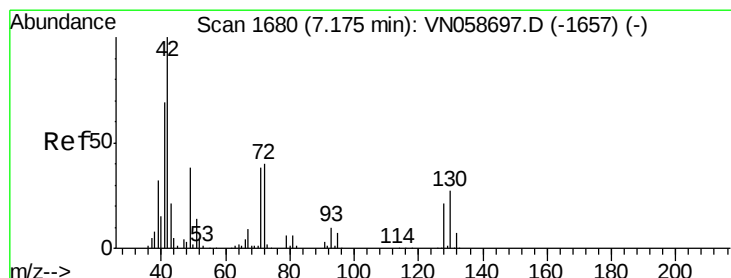
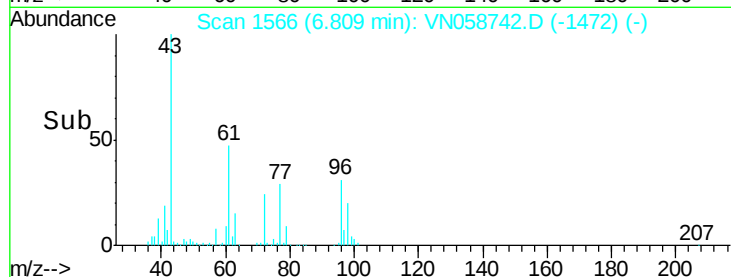
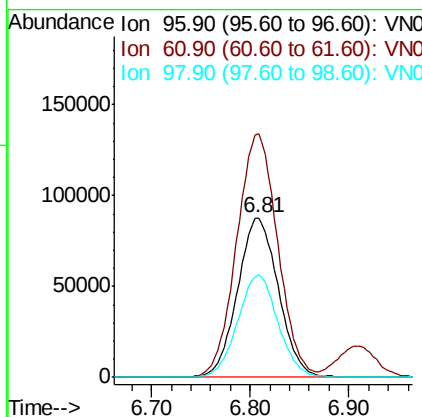
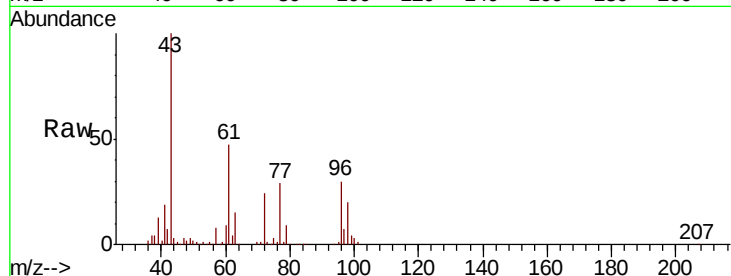
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	251187
Ion Ratio	Lower	Upper	
96	100		
61	153.9	0.0	324.8
98	63.6	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



#28

Bromochloromethane

Concen: 52.096 ug/l

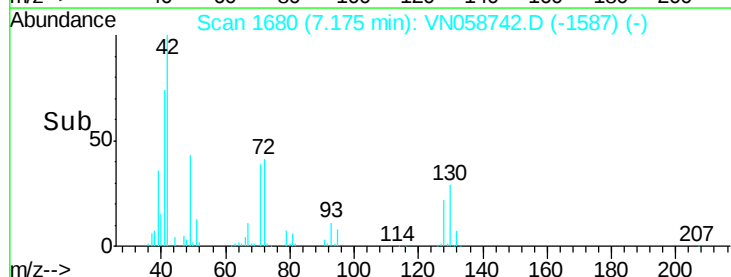
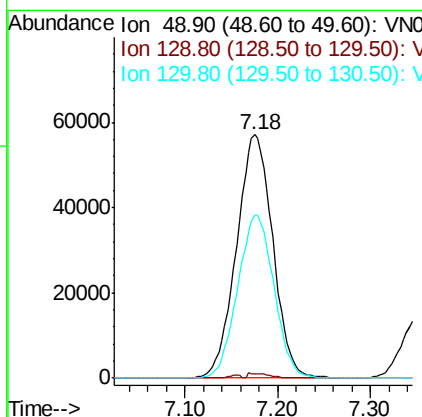
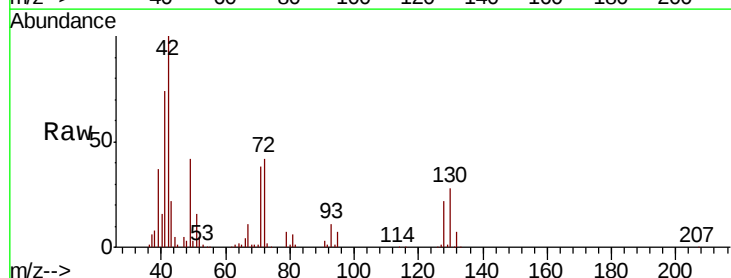
RT: 7.18 min Scan# 1680

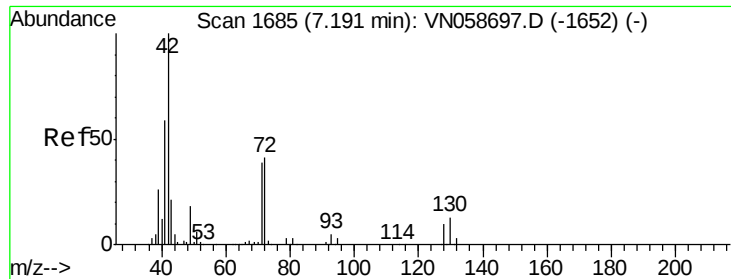
Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Tgt Ion:	49	Resp:	155037
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	3.6
130	66.9	55.0	82.4





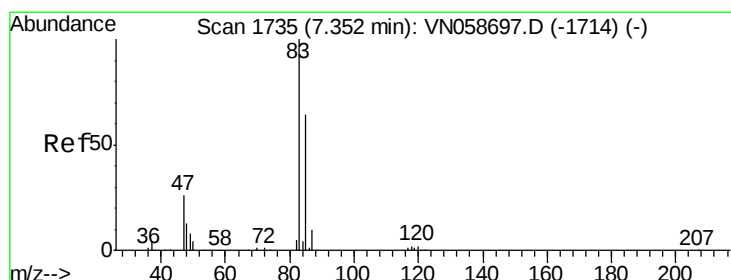
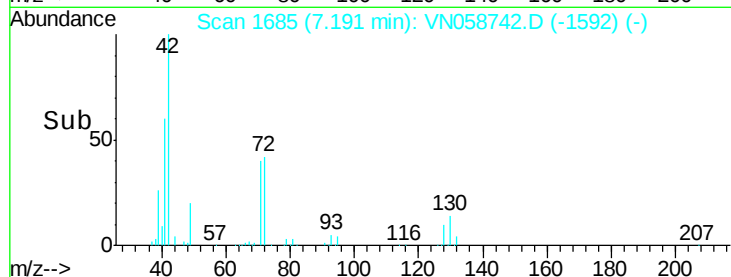
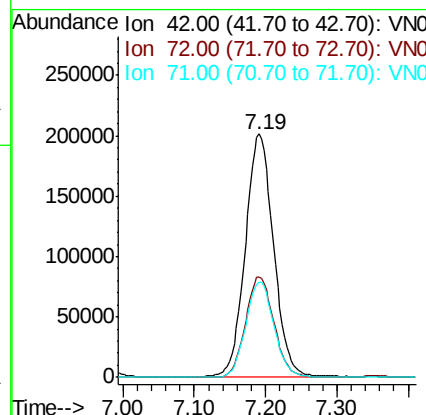
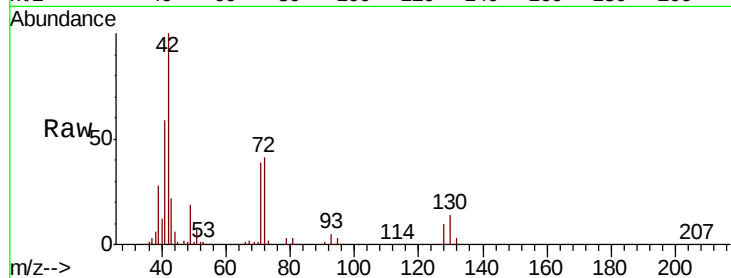
#29
Tetrahydrofuran
Concen: 258.101 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.8	49.2
71	39.3	31.1	46.7

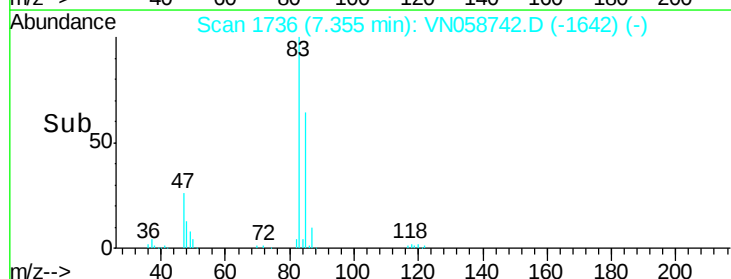
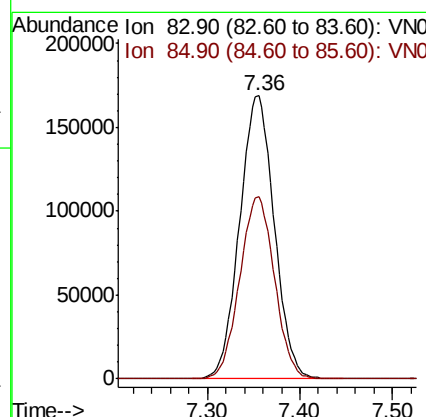
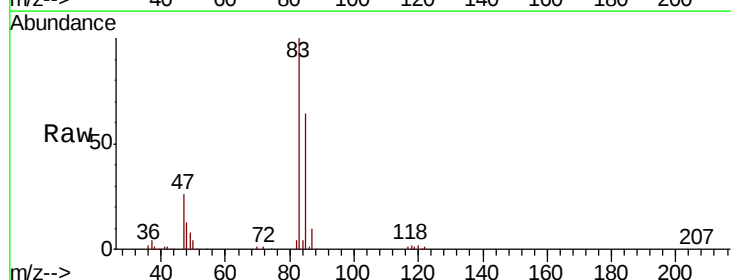
Manual Integrations
APPROVED

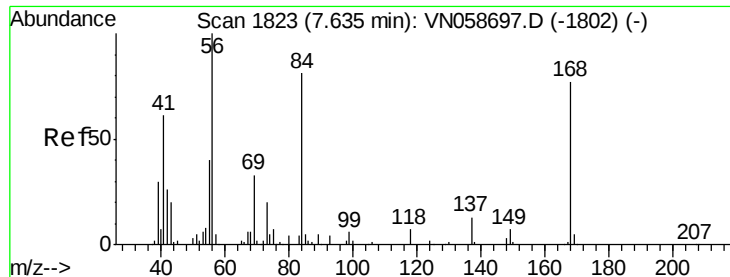
MMDadoda
10/16/2019 12:49:03 AM



#30
Chloroform
Concen: 50.966 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.0	76.6





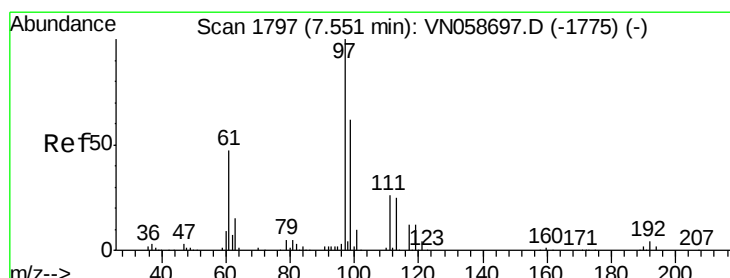
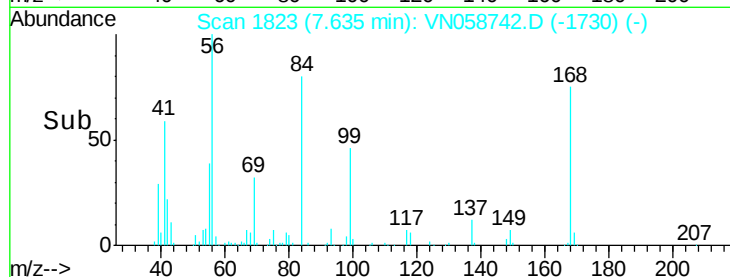
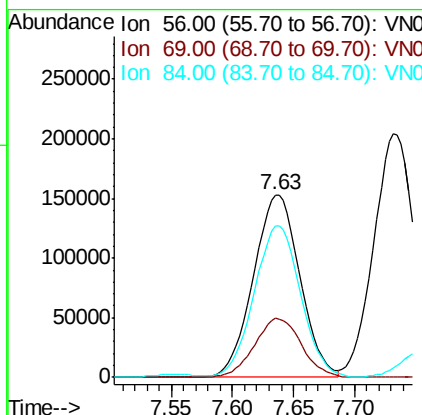
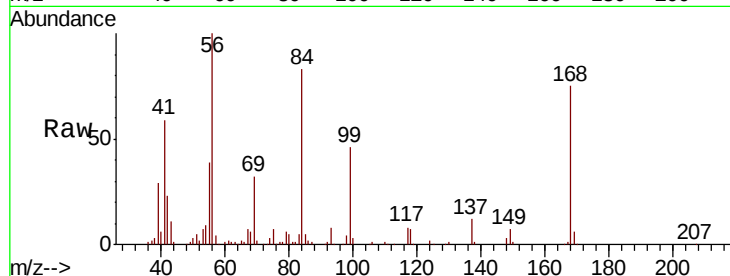
#31
Cyclohexane
Concen: 49.601 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.2	39.4
84	81.5	64.9	97.3

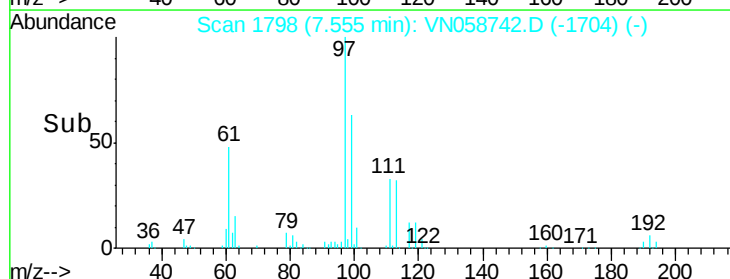
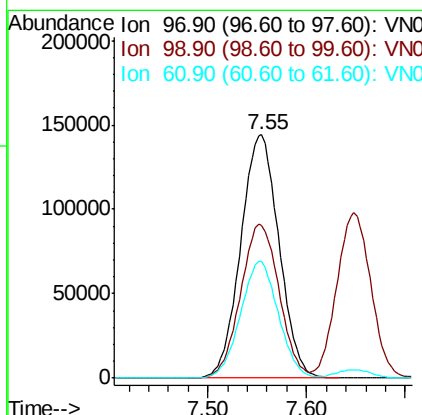
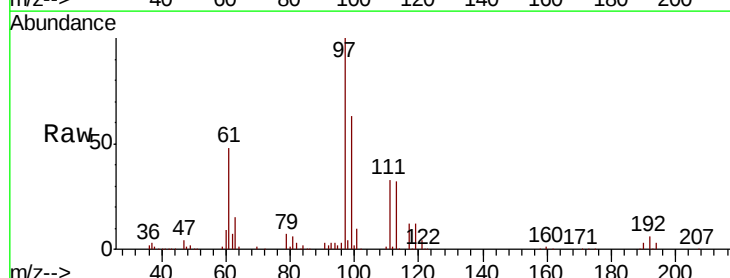
Manual Integrations
APPROVED

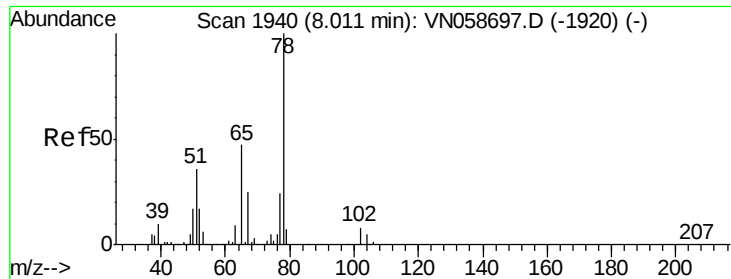
MMDadoda
10/16/2019 12:49:03 AM



#32
1,1,1-Trichloroethane
Concen: 52.666 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.8	76.2
61	47.7	38.1	57.1





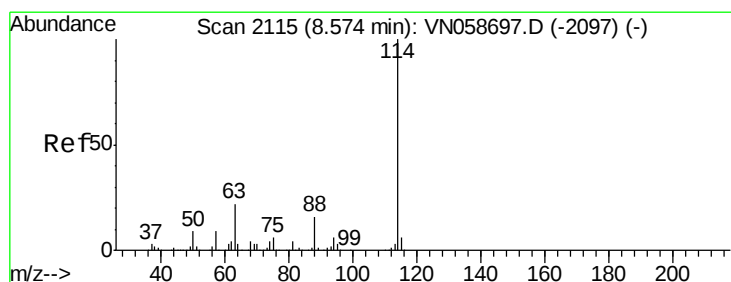
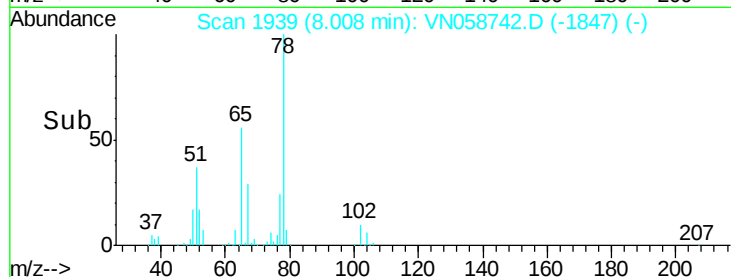
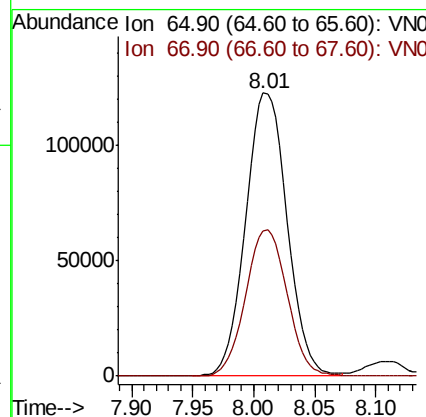
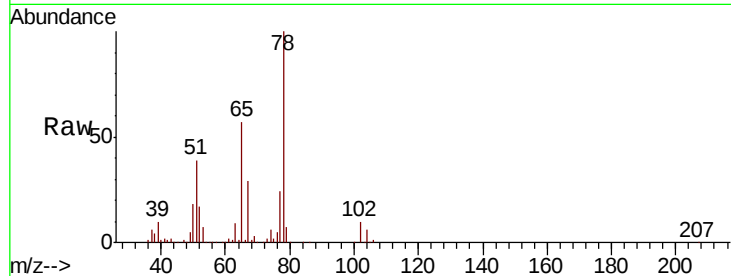
#33
 1,2-Dichloroethane-d4
 Concen: 51.613 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	288013		
67	51.9	0.0	103.8	

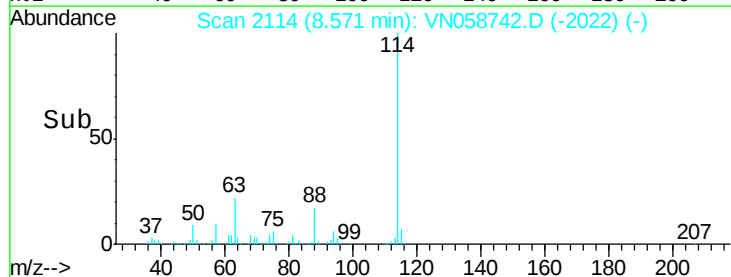
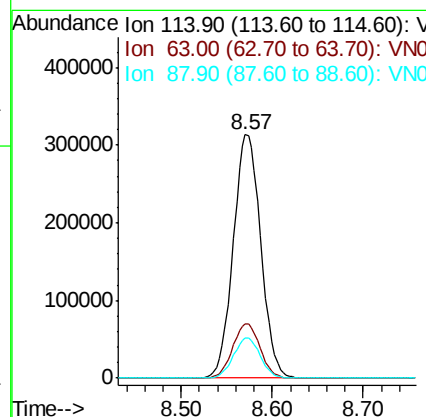
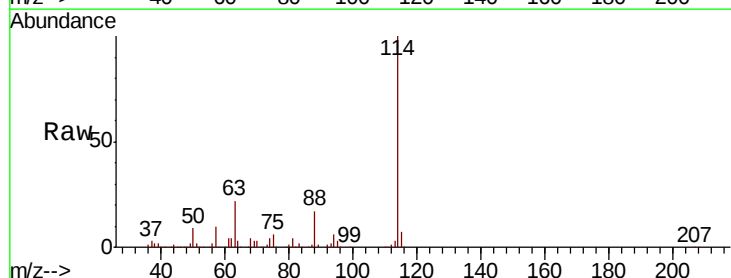
Manual Integrations
 APPROVED

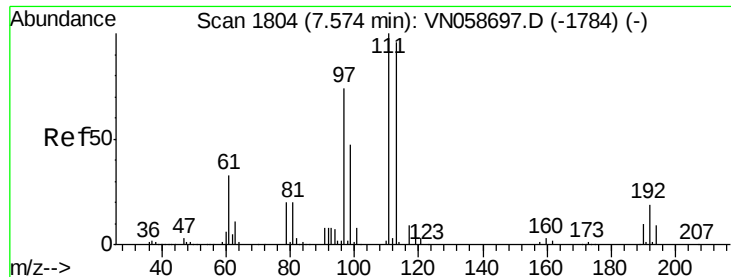
MMDadoda
 10/16/2019 12:49:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	657750		
63	22.2	0.0	43.8	
88	16.5	0.0	32.0	





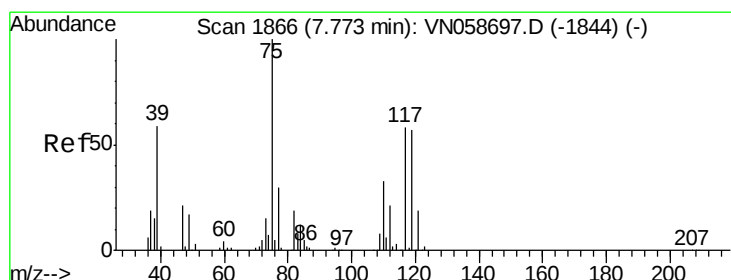
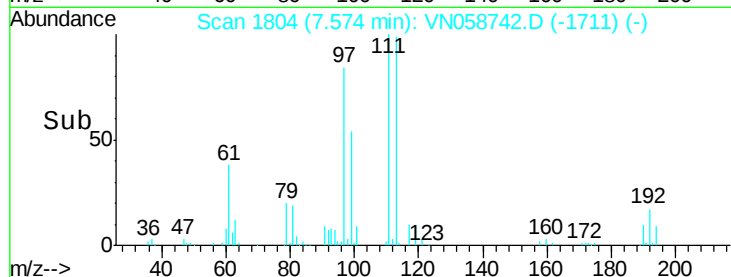
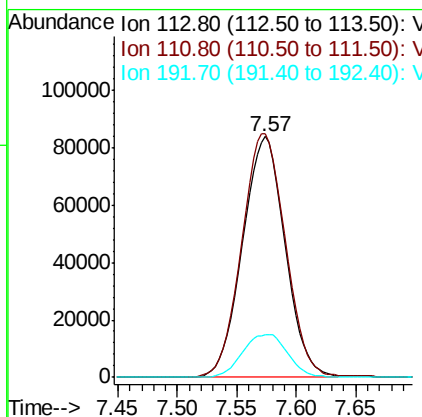
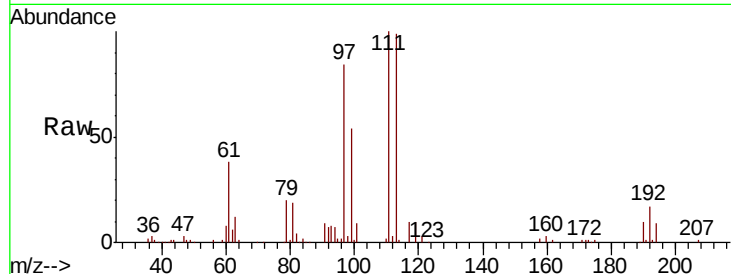
#35
Dibromofluoromethane
Concen: 51.153 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	207823		
111	104.2	82.3	123.5	
192	18.8	15.0	22.6	

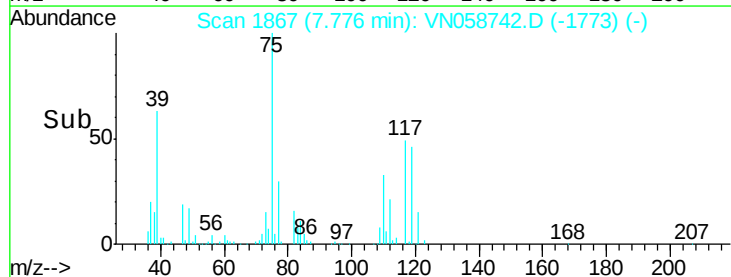
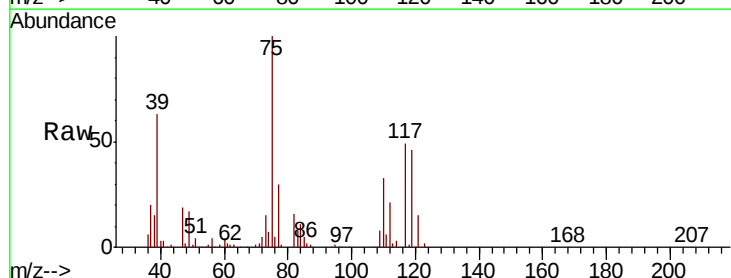
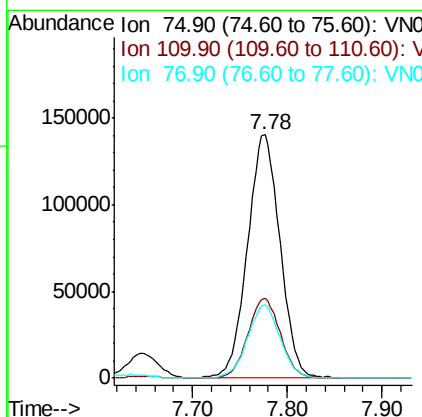
Manual Integrations
APPROVED

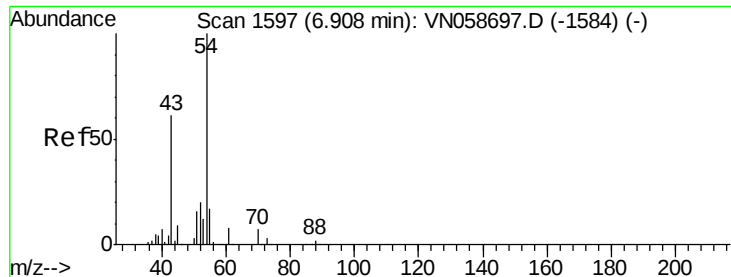
MMDadoda
10/16/2019 12:49:03 AM



#36
1,1-Dichloropropene
Concen: 50.293 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	334463		
110	32.8	16.6	49.8	
77	30.5	24.6	37.0	





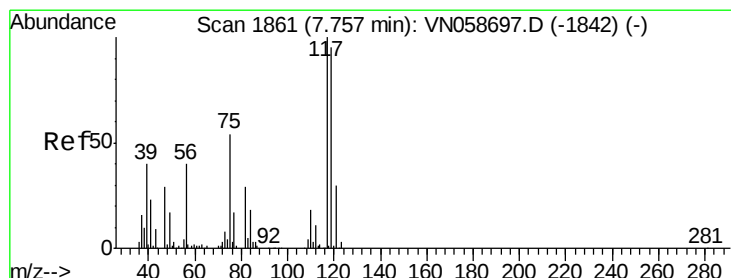
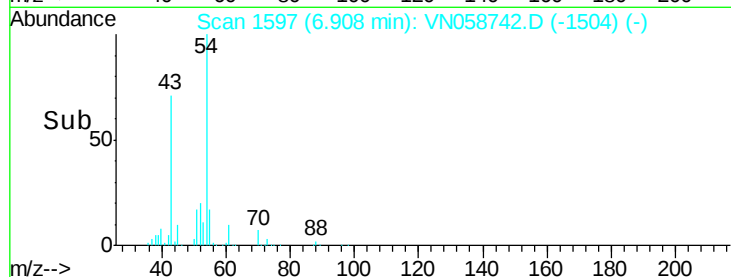
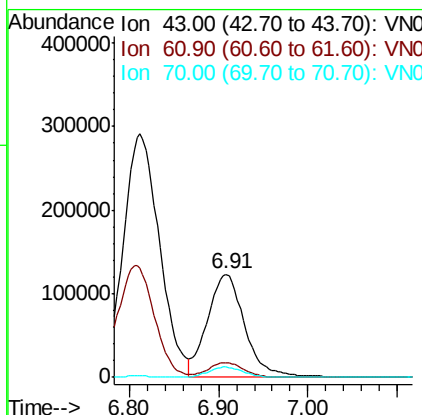
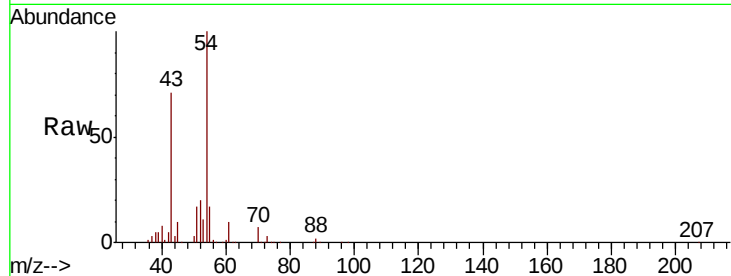
#37
Ethyl Acetate
Concen: 52.387 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.3	16.9
70	9.6	7.2	10.8

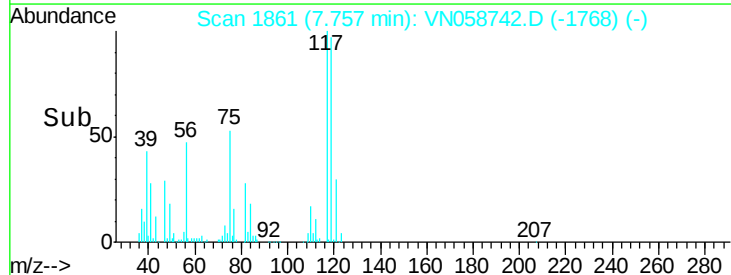
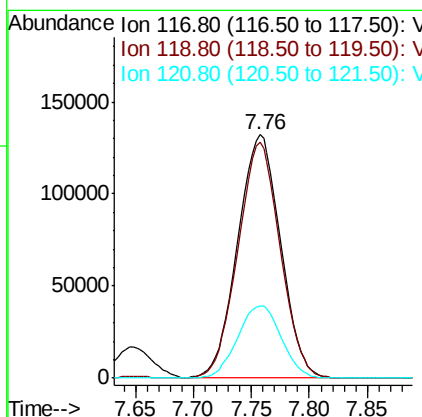
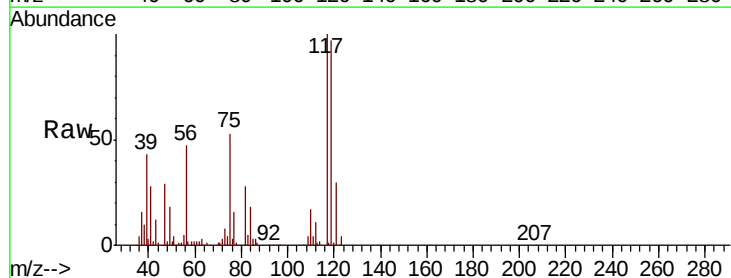
Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



#38
Carbon Tetrachloride
Concen: 52.249 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.7	113.5
121	29.8	23.9	35.9





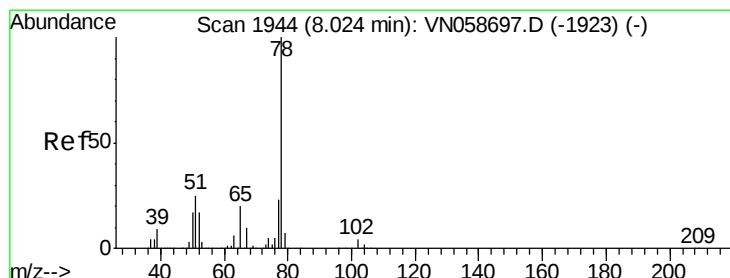
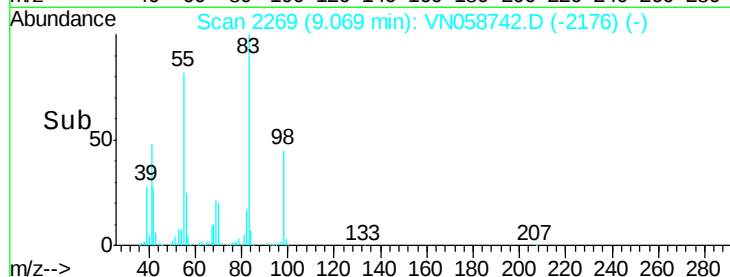
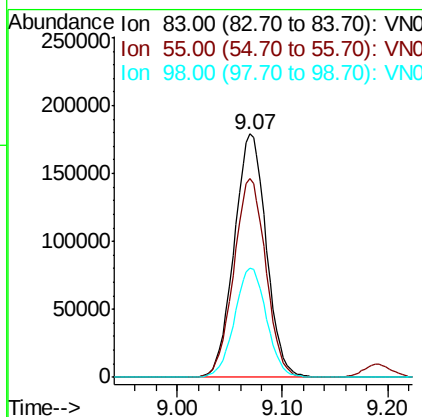
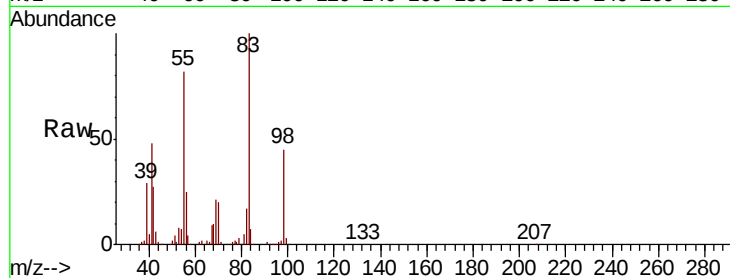
#39
Methvlcvclohexane
Concen: 48.896 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	63.4	95.0
98	44.9	35.1	52.7

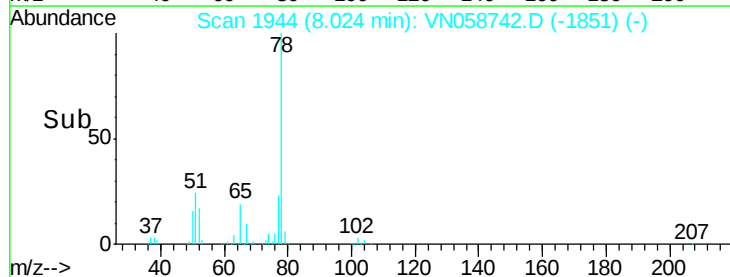
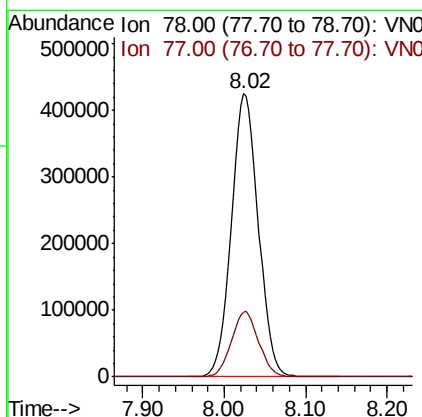
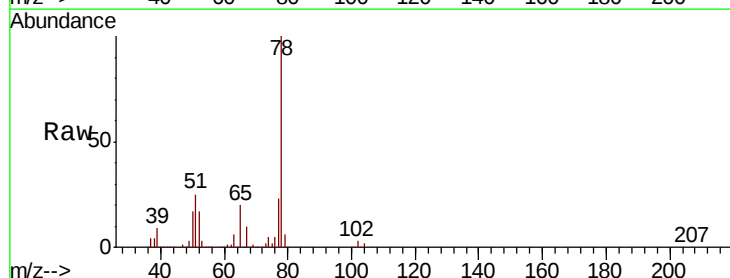
Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



#40
Benzene
Concen: 51.262 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2





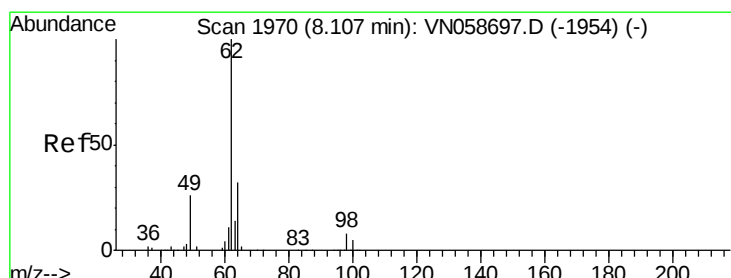
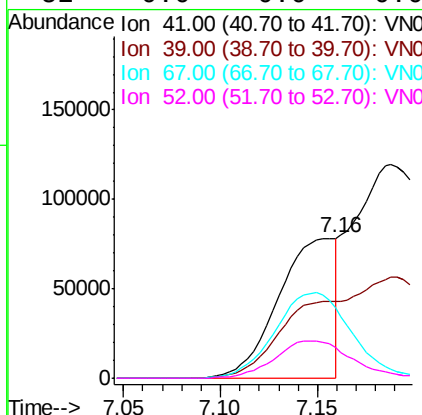
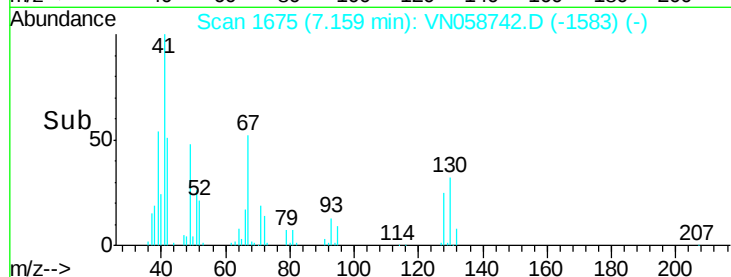
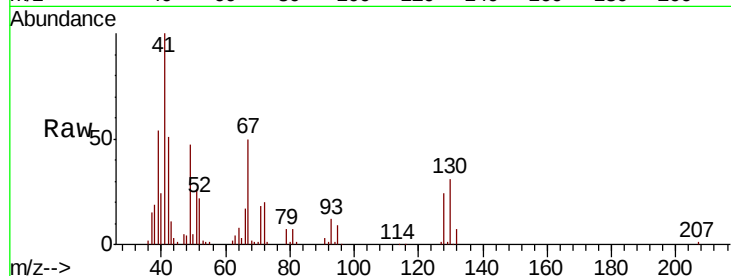
#41
Methacrylonitrile
Concen: 50.570 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		159212		
39	0.0	115.4	173.2#		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

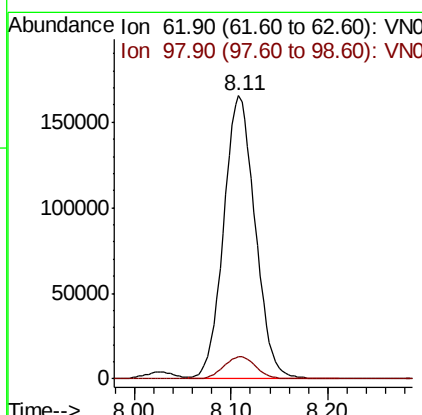
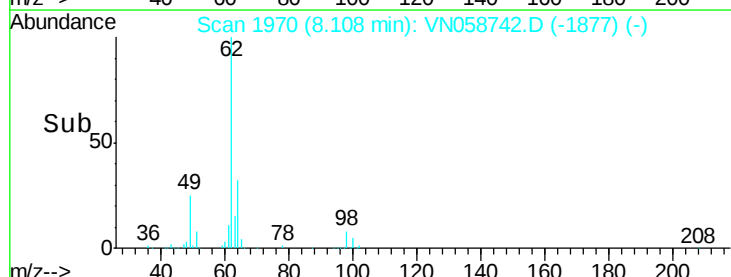
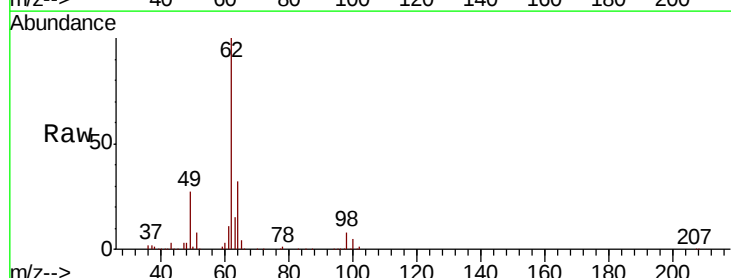
Manual Integrations
APPROVED

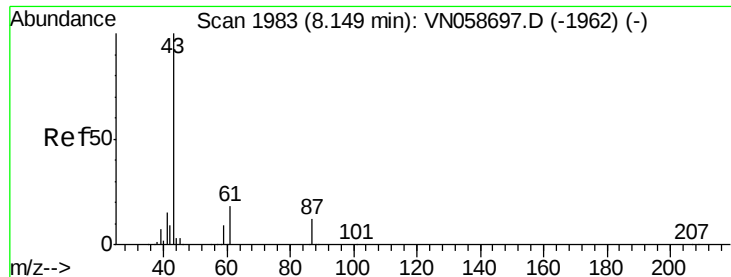
MMDadoda
10/16/2019 12:49:03 AM



#42
1,2-Dichloroethane
Concen: 50.921 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		373649		
98	8.0	0.0	15.8		





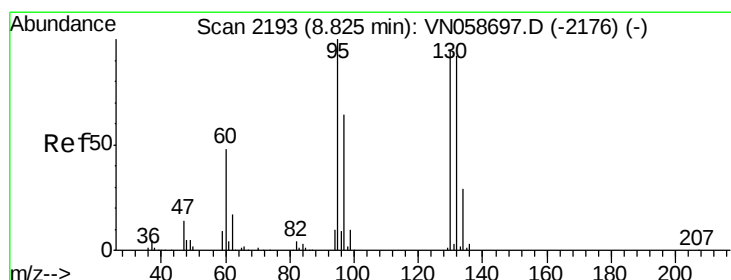
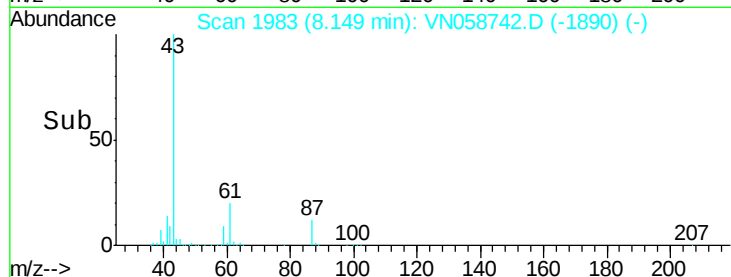
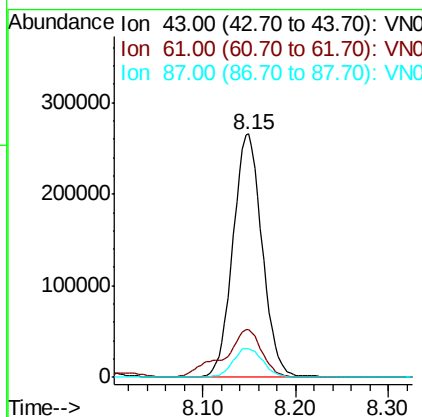
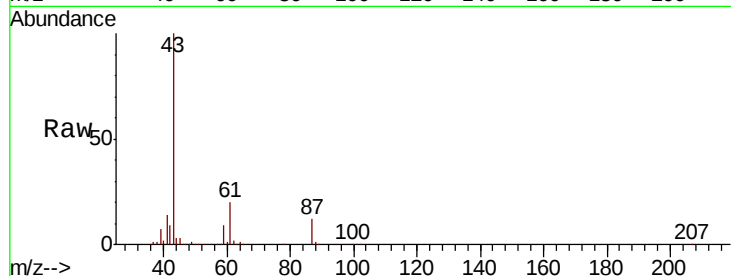
#43
Isopropyl Acetate
Concen: 50.456 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.3	30.5
87	12.2	9.8	14.6

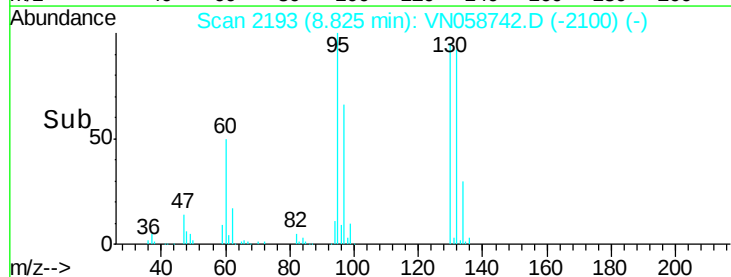
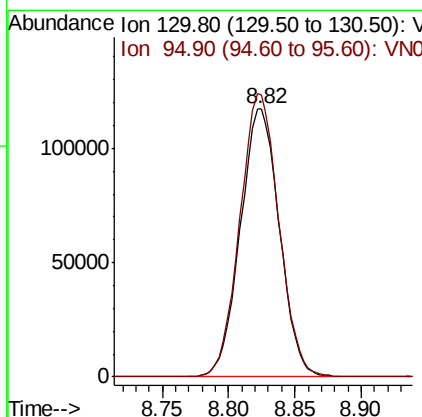
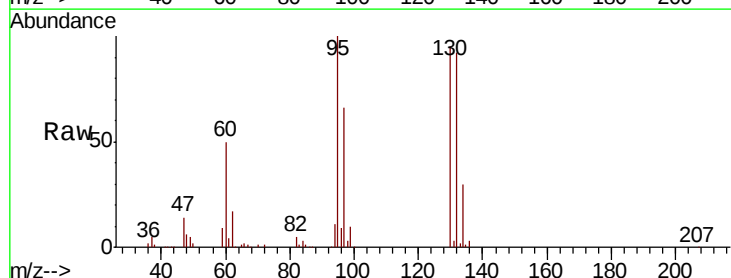
Manual Integrations
APPROVED

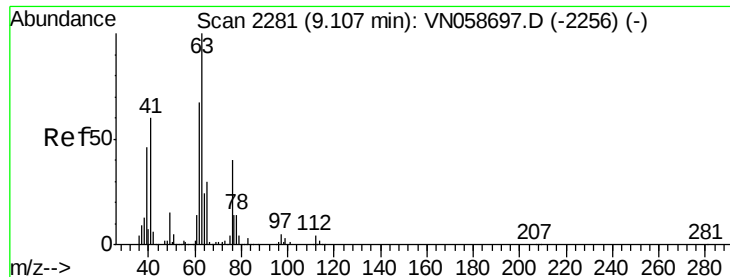
MMDadoda
10/16/2019 12:49:03 AM



#44
Trichloroethene
Concen: 50.624 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	211.2





#45

1,2-Dichloropropane

Concen: 51.824 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 264979

Ion Ratio Lower Upper

63 100

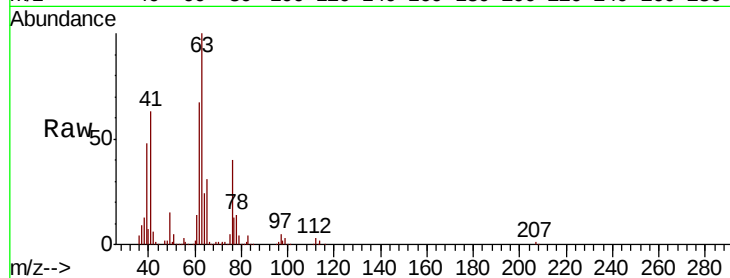
65 31.1 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:49:03 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

150000

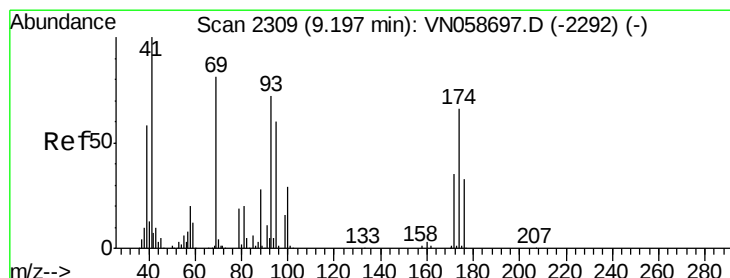
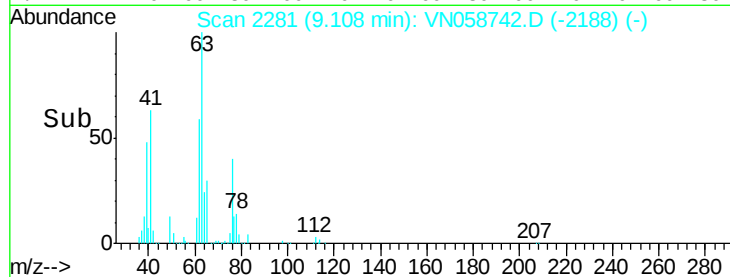
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 52.441 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

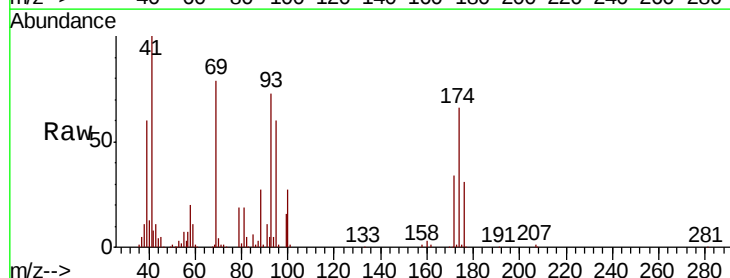
Tgt Ion: 93 Resp: 169997

Ion Ratio Lower Upper

93 100

95 82.9 66.6 100.0

174 93.6 75.2 112.8



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

100000

80000

60000

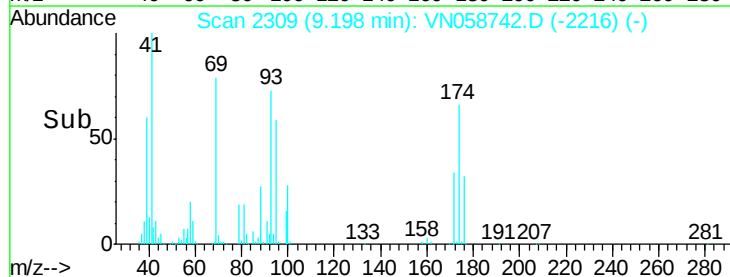
40000

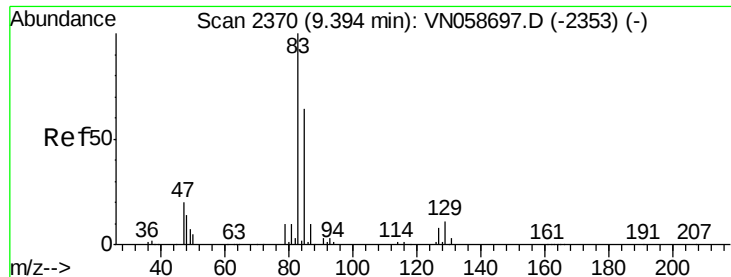
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 52.520 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

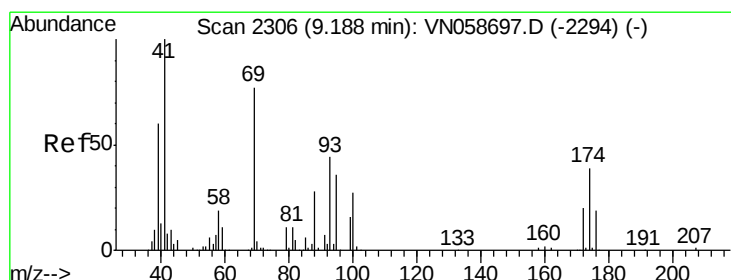
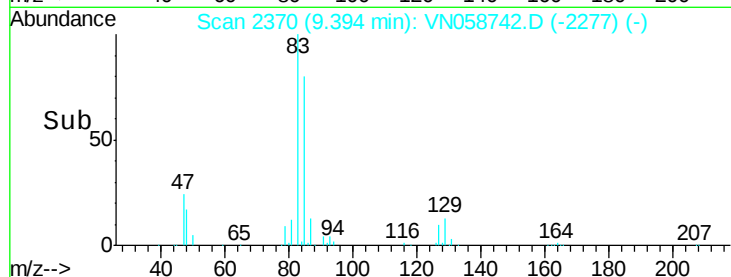
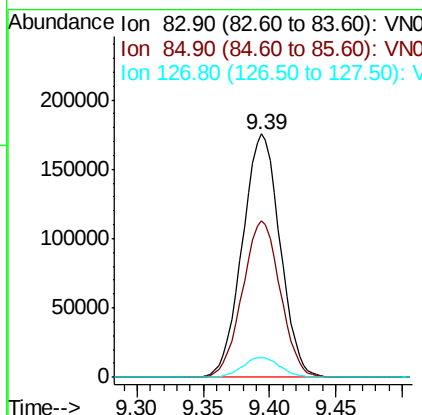
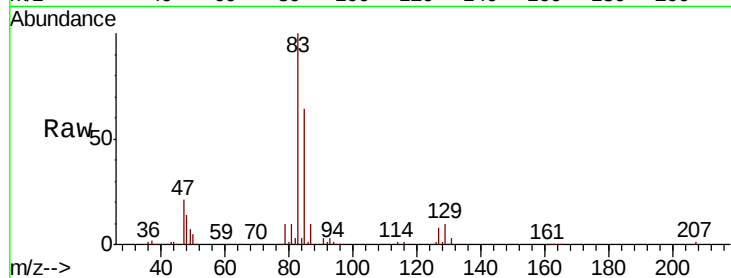
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	346693
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.9	76.3
127	8.0	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



#48

Methyl methacrylate

Concen: 53.412 ug/l

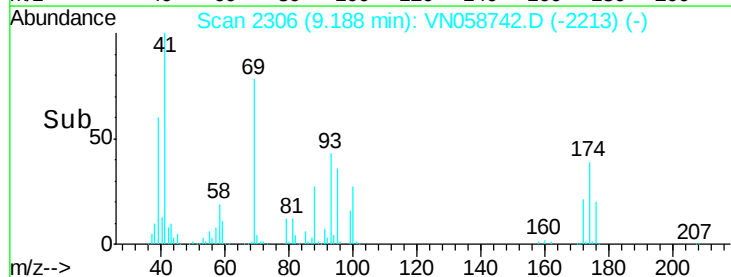
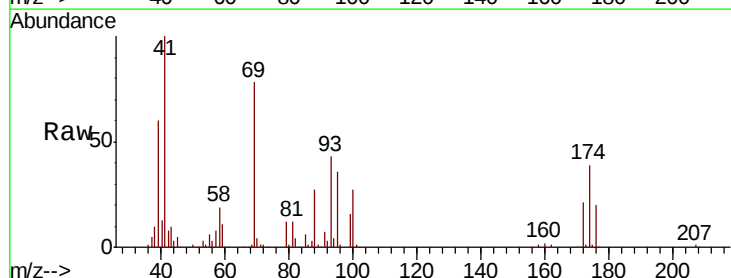
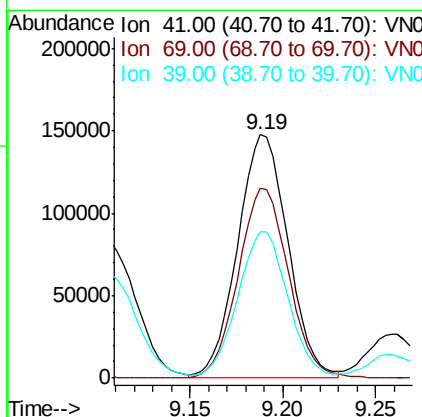
RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Tgt Ion:	41	Resp:	277400
Ion Ratio	Lower	Upper	
41	100		
69	78.4	63.4	95.2
39	60.4	48.9	73.3





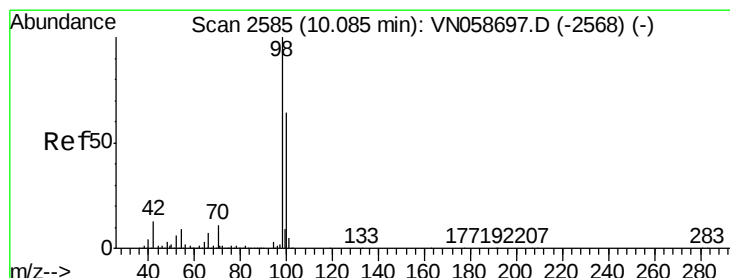
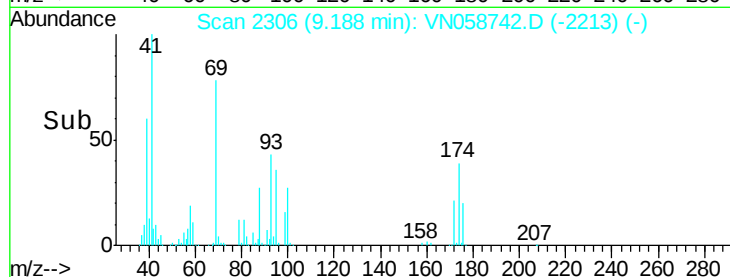
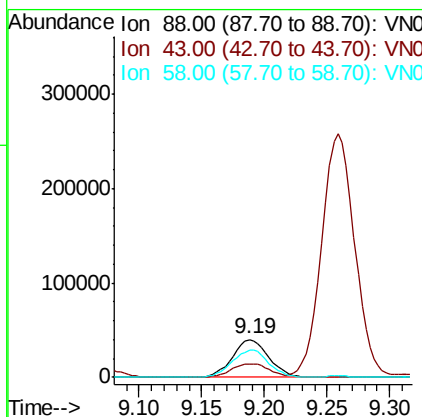
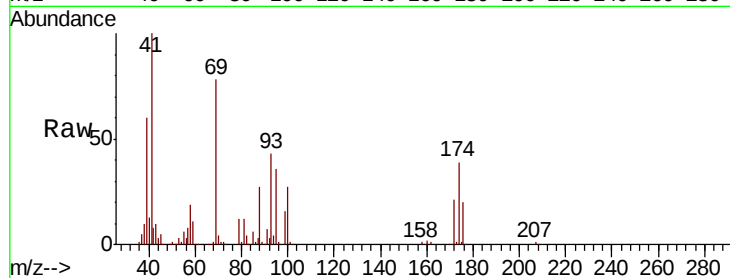
#49
1,4-Dioxane
Concen: 1007.040 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.6	43.0
58	72.5	57.2	85.8

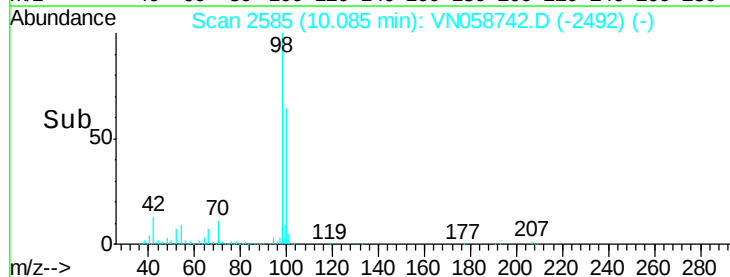
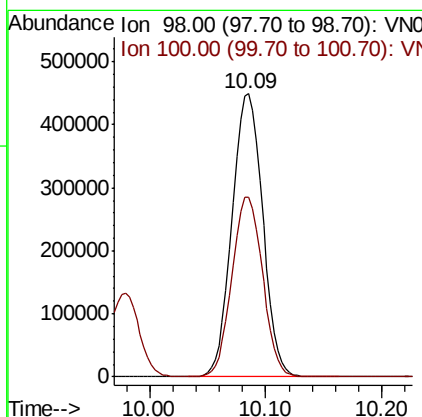
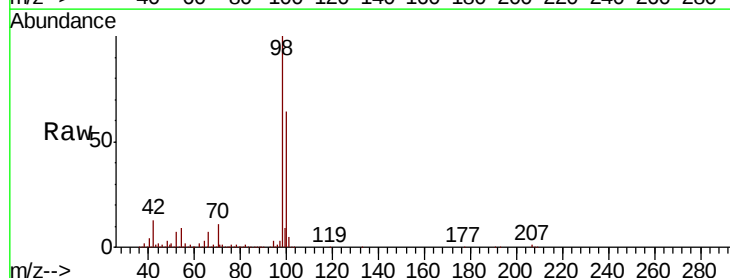
Manual Integrations
APPROVED

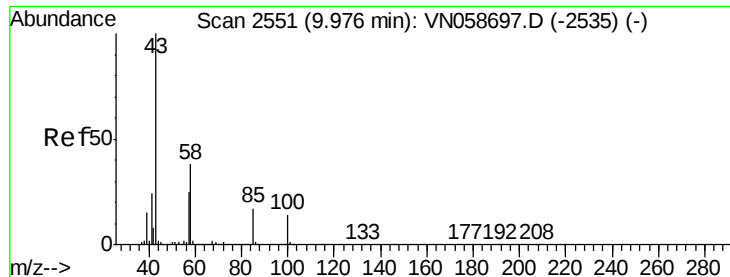
MMDadoda
10/16/2019 12:49:03 AM



#50
Toluene-d8
Concen: 50.604 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 276.081 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1776494

Ion Ratio Lower Upper

43 100

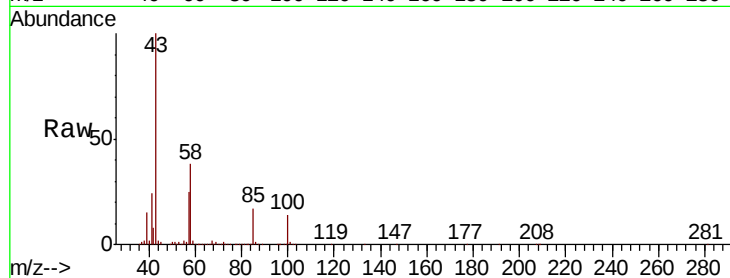
58 37.5 30.3 45.5

Manual Integrations

APPROVED

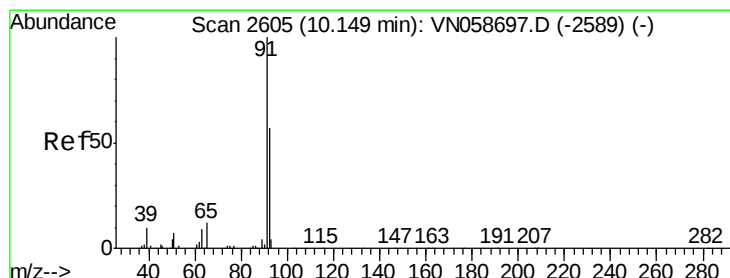
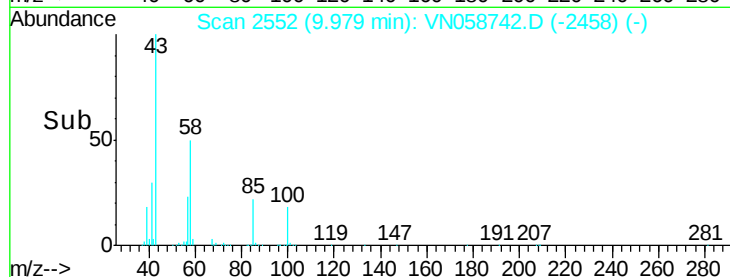
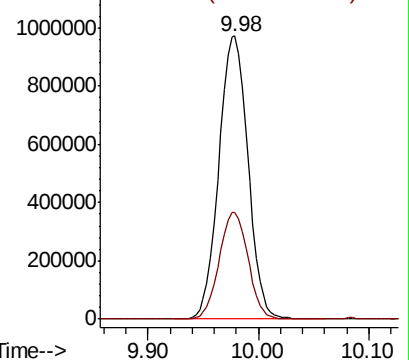
MMDadoda

10/16/2019 12:49:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.252 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058742.D

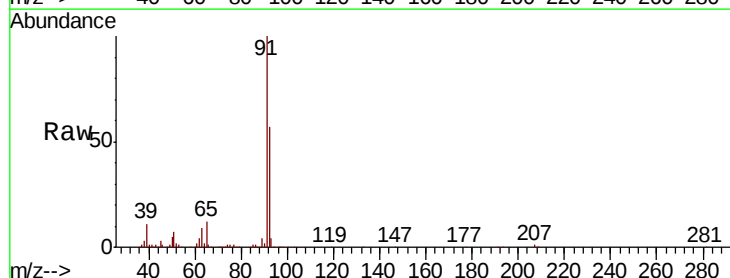
Acq: 12 Oct 2019 7:02

Tgt Ion: 92 Resp: 598714

Ion Ratio Lower Upper

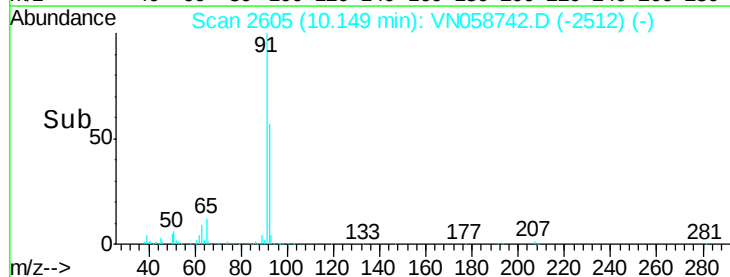
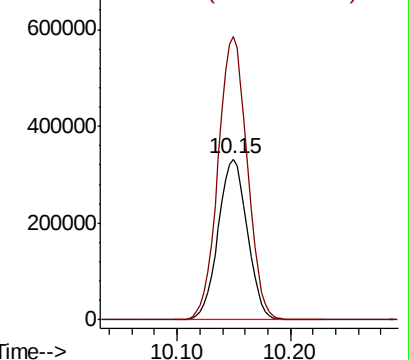
92 100

91 175.6 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





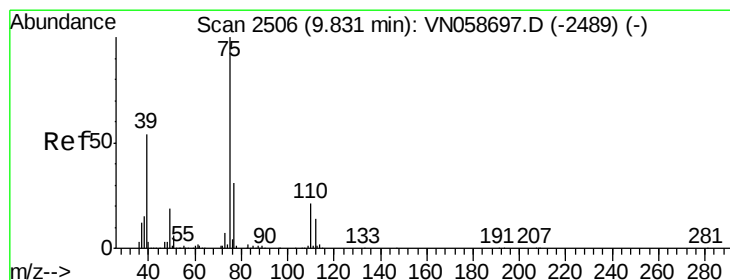
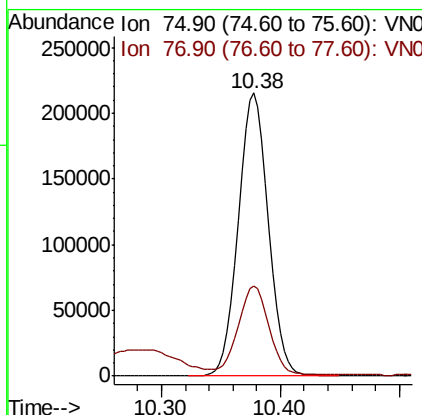
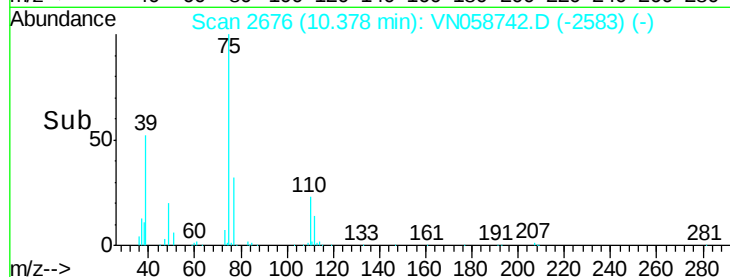
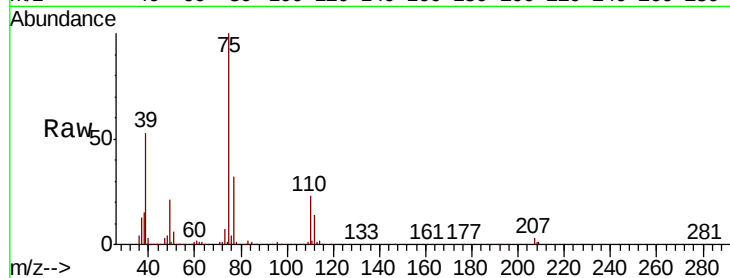
#53
t-1,3-Dichloropropene
Concen: 49.542 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.2	39.4

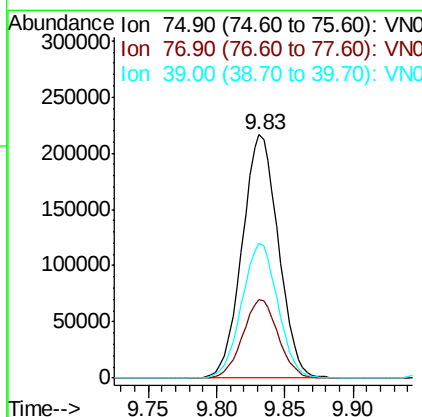
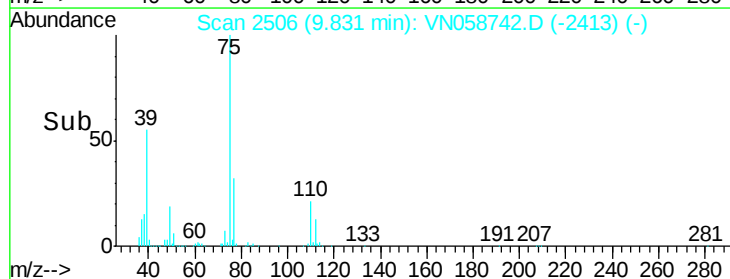
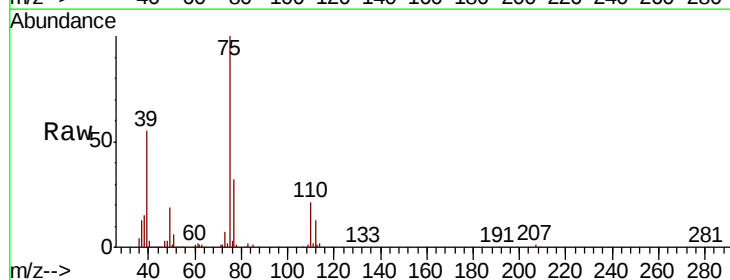
Manual Integrations
APPROVED

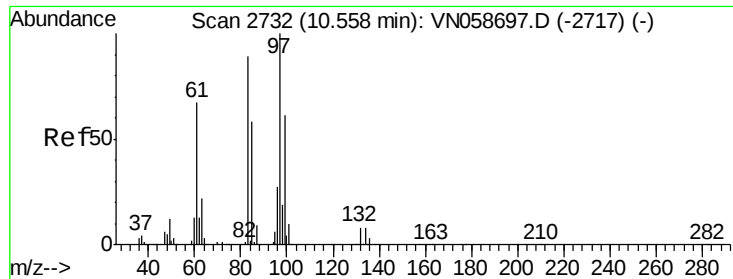
MMDadoda
10/16/2019 12:49:03 AM



#54
cis-1,3-Dichloropropene
Concen: 49.676 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.4	36.6
39	55.1	43.1	64.7





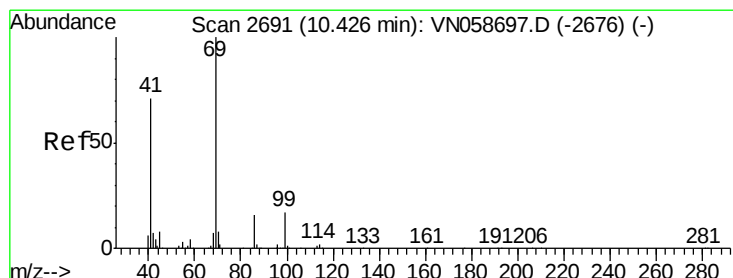
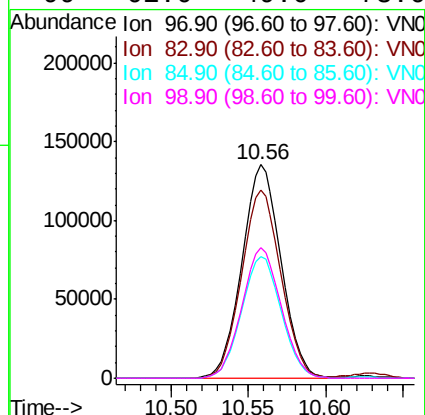
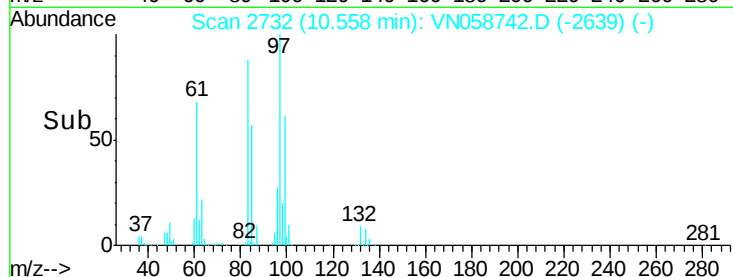
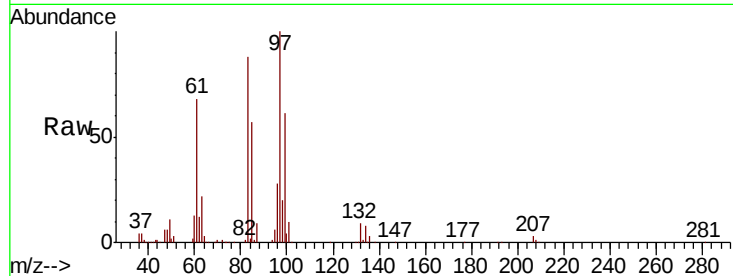
#55
 1,1,2-Trichloroethane
 Concen: 49.624 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	237263
Ion	Ratio	Lower	Upper
97	100		
83	87.9	71.2	106.8
85	57.1	46.7	70.1
99	61.0	49.0	73.6

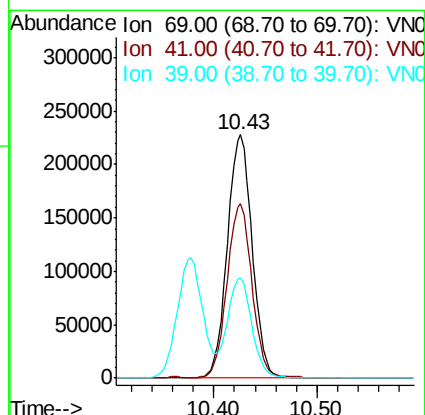
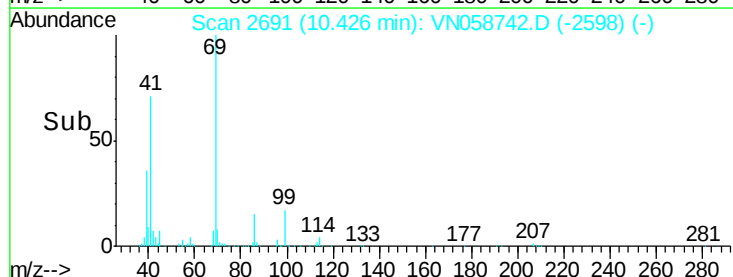
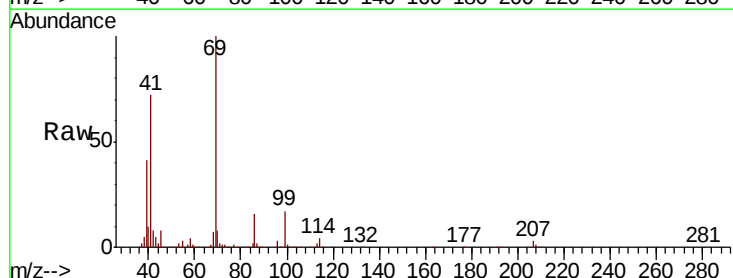
Manual Integrations
 APPROVED

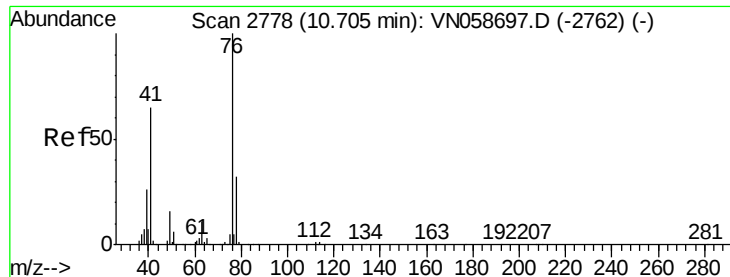
MMDadoda
 10/16/2019 12:49:03 AM



#56
 Ethyl methacrylate
 Concen: 54.749 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Tgt Ion:	69	Resp:	382422
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.8	85.2
39	39.9	32.5	48.7





#57

1,3-Dichloropropane

Concen: 51.402 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 418800

Ion Ratio Lower Upper

76 100

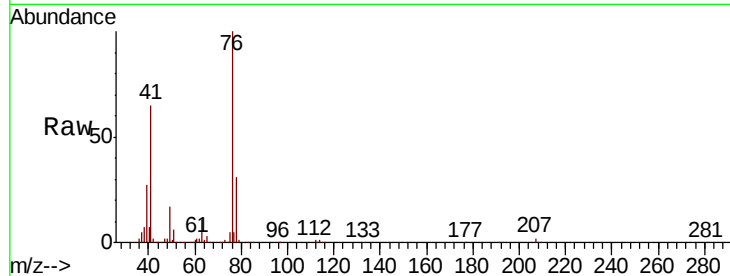
78 31.9 25.9 38.9

Manual Integrations

APPROVED

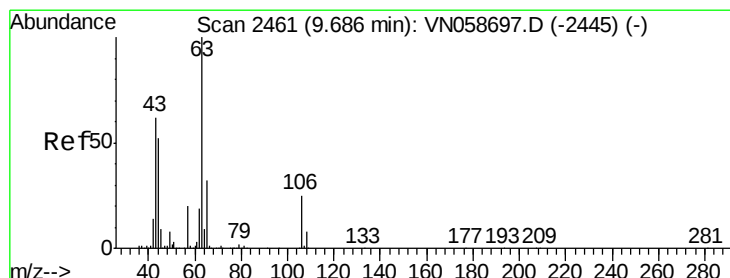
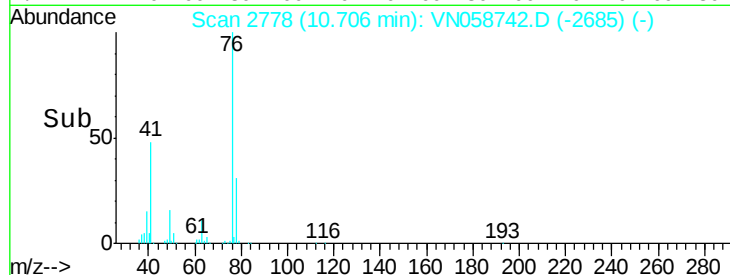
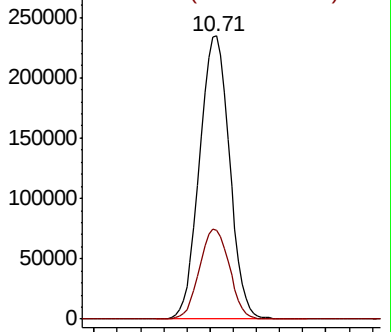
MMDadoda

10/16/2019 12:49:03 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 273.696 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058742.D

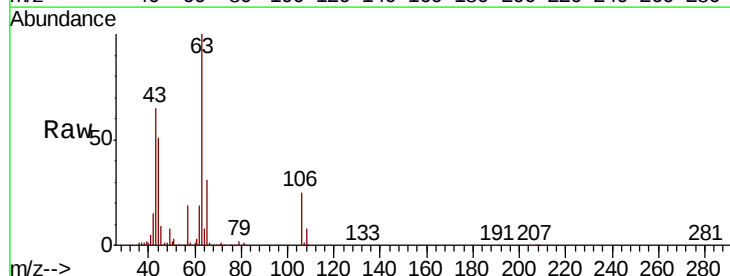
Acq: 12 Oct 2019 7:02

Tgt Ion: 63 Resp: 921327

Ion Ratio Lower Upper

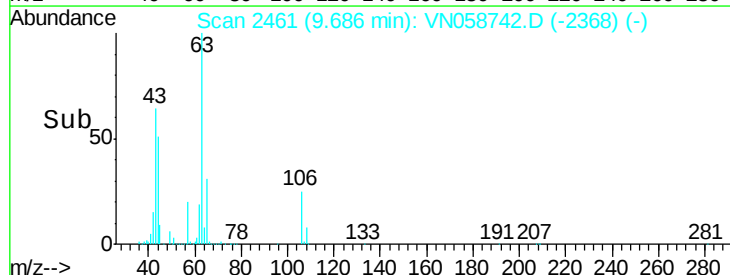
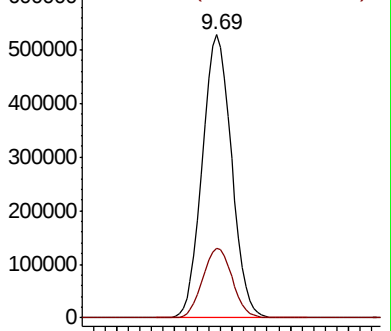
63 100

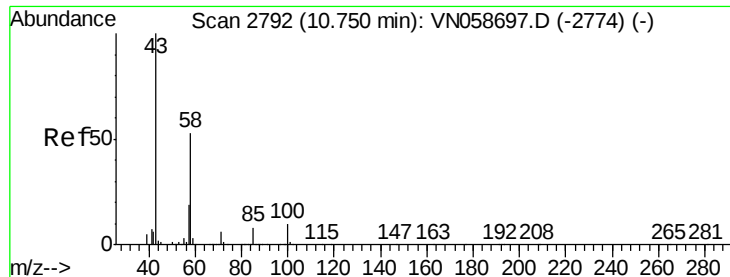
106 24.9 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





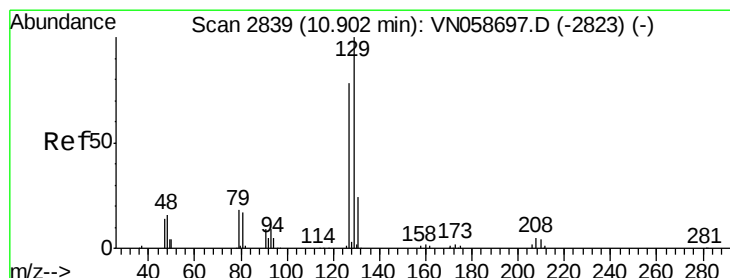
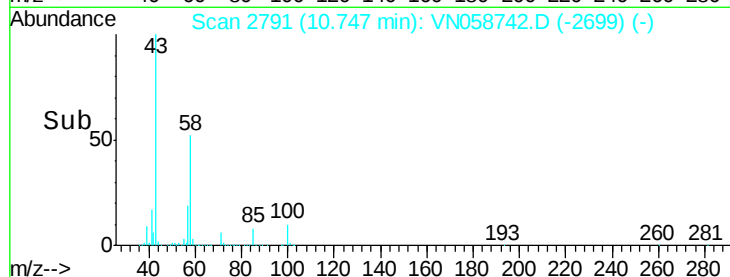
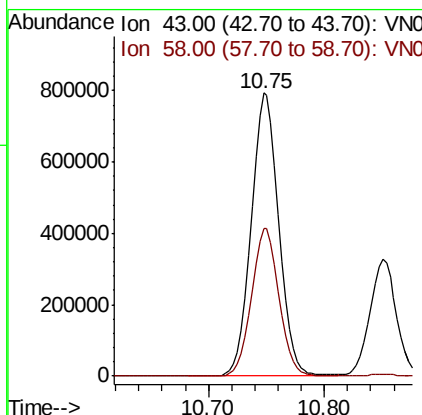
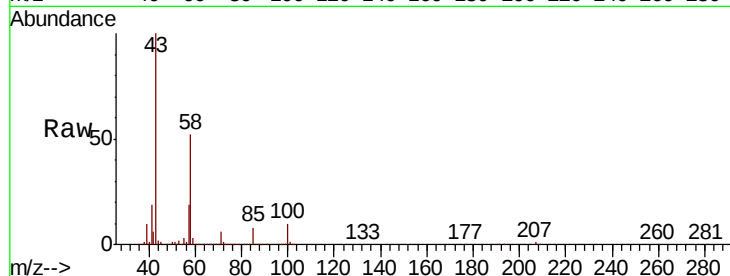
#59
2-Hexanone
Concen: 264.116 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1313382
Ion Ratio Lower Upper
43 100
58 52.2 26.1 78.3

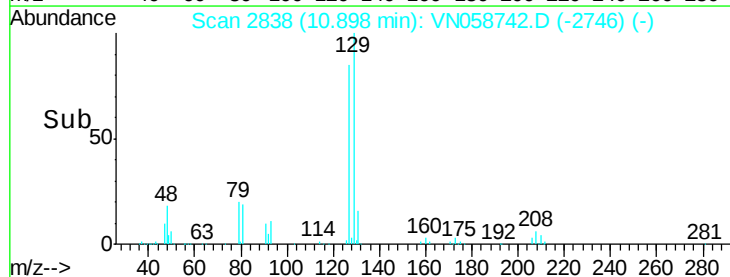
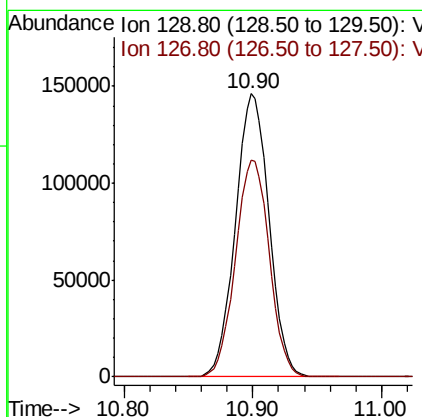
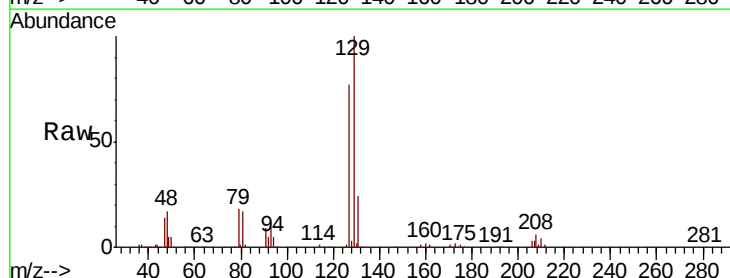
Manual Integrations
APPROVED

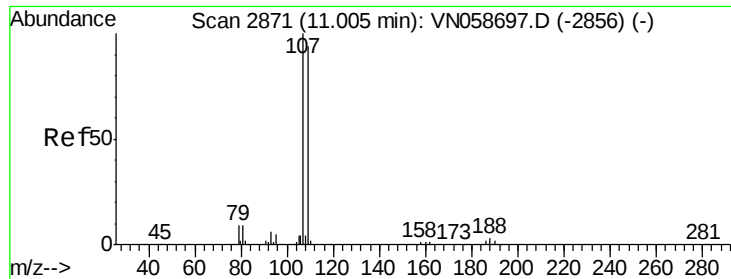
MMDadoda
10/16/2019 12:49:03 AM



#60
Dibromochloromethane
Concen: 53.635 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion:129 Resp: 264539
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.3





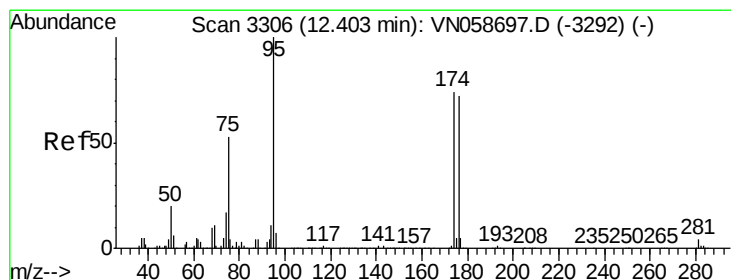
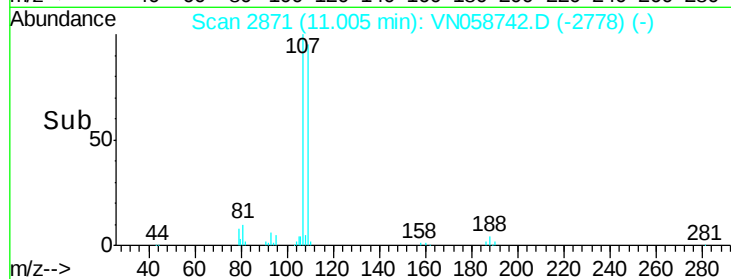
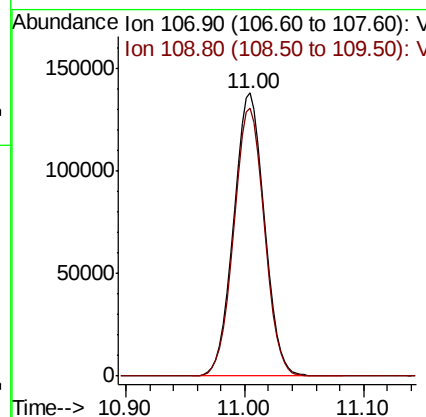
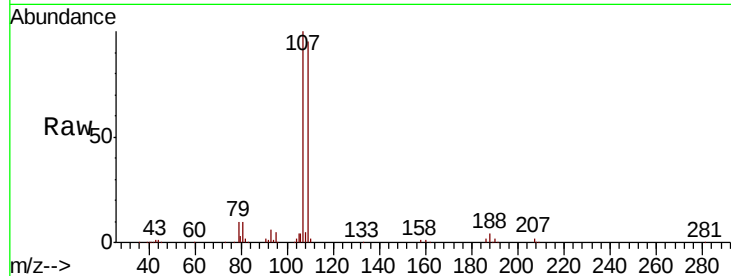
#61
 1,2-Dibromoethane
 Concen: 51.554 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.4	113.0

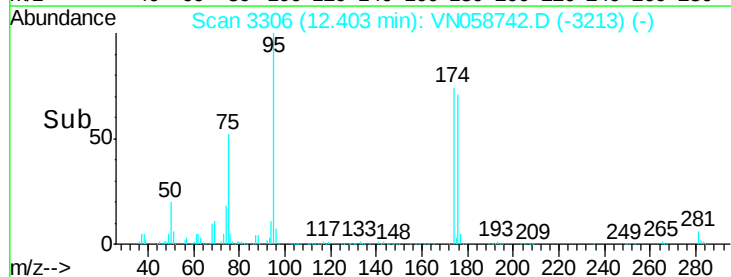
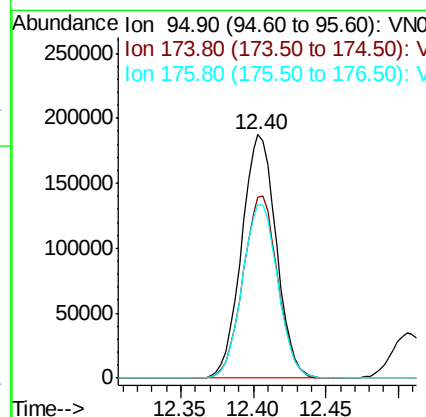
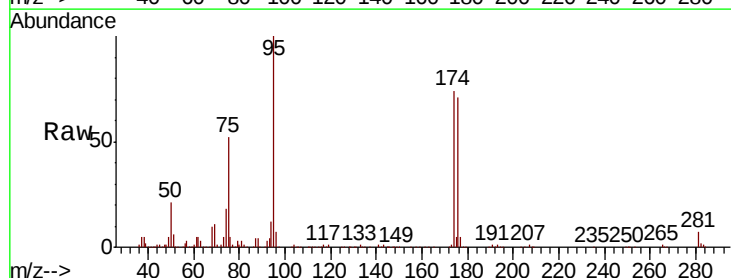
Manual Integrations
 APPROVED

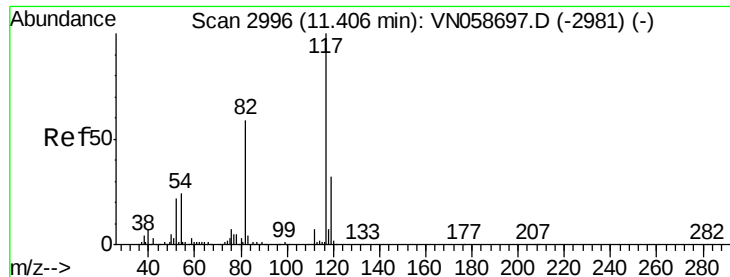
MMDadoda
 10/16/2019 12:49:03 AM



#62
 4-Bromofluorobenzene
 Concen: 50.547 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	150.4
176	72.8	0.0	146.8





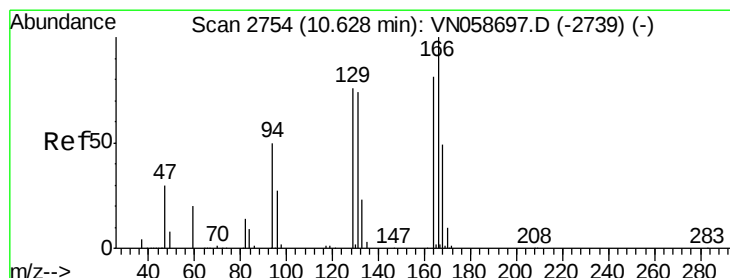
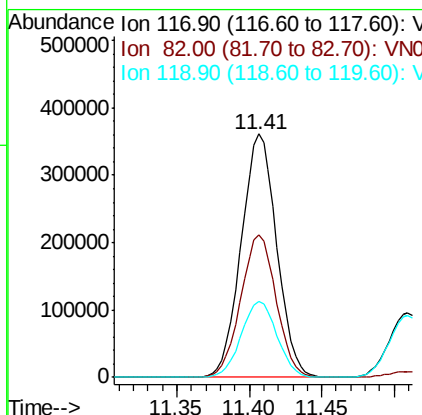
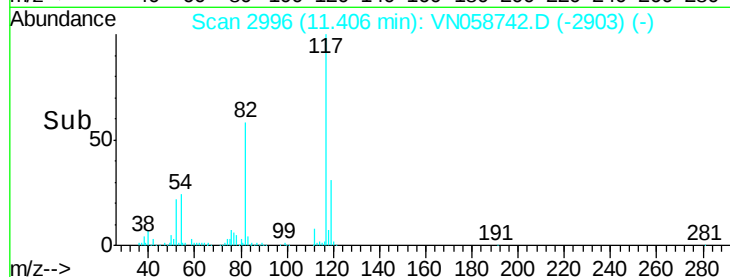
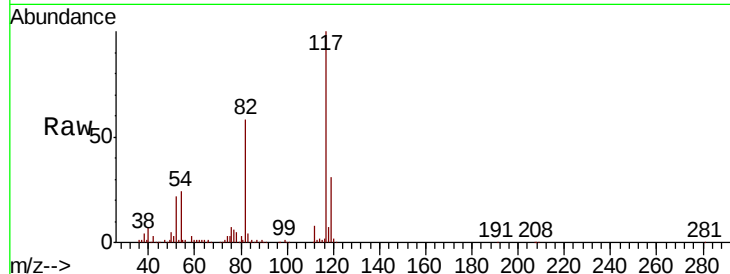
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	615562		
82	58.4		47.0	70.4
119	30.9		25.4	38.2

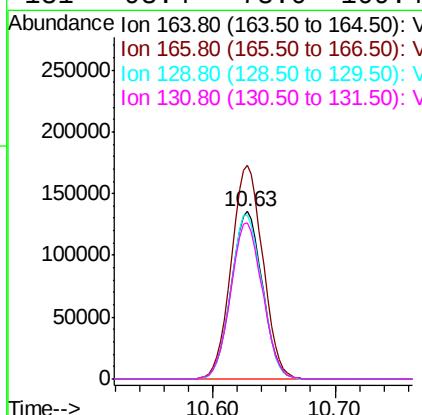
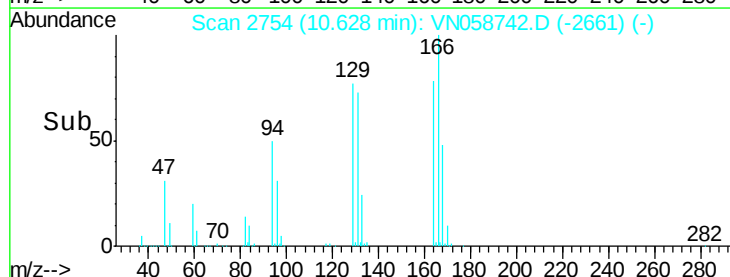
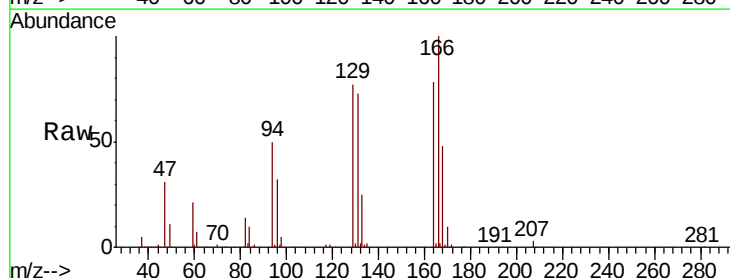
Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



#64
Tetrachloroethene
Concen: 55.819 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	240461		
166	127.8		99.3	148.9
129	98.1		75.2	112.8
131	93.4		73.0	109.4





#65

Chlorobenzene

Concen: 50.773 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 634702

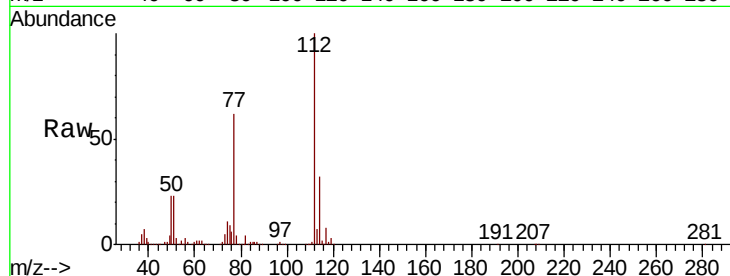
Ion Ratio Lower Upper

112 100

114 31.6 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

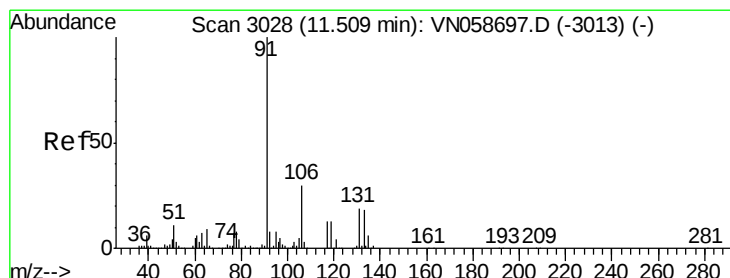
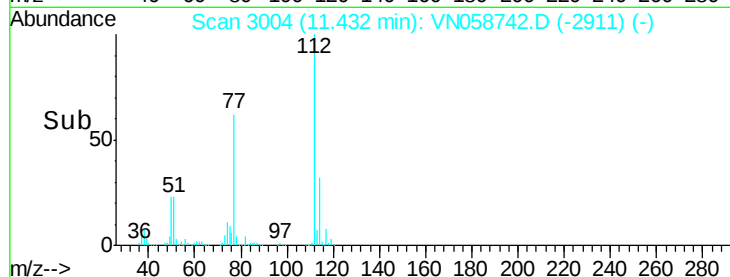
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.355 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

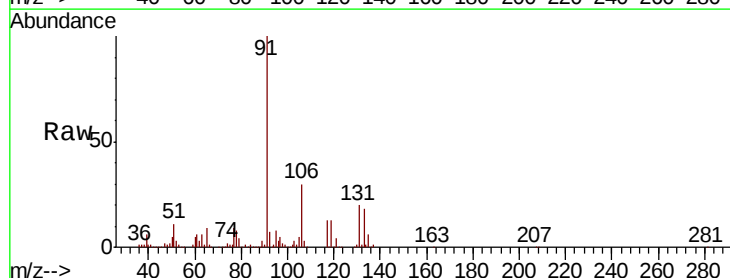
Tgt Ion:131 Resp: 242008

Ion Ratio Lower Upper

131 100

133 93.2 47.6 142.9

119 65.7 33.0 98.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

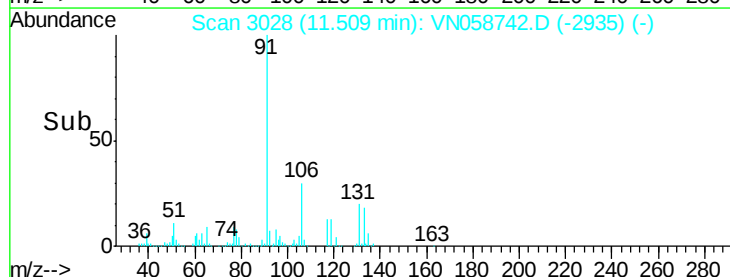
150000

100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 52.915 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1179130

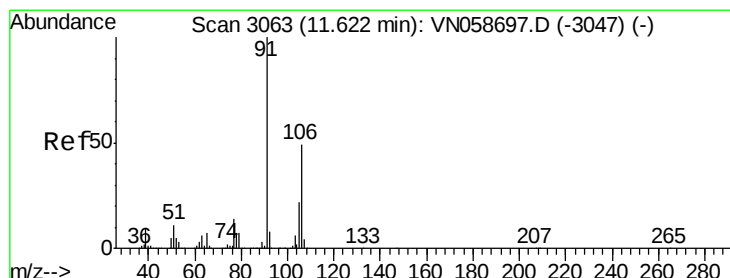
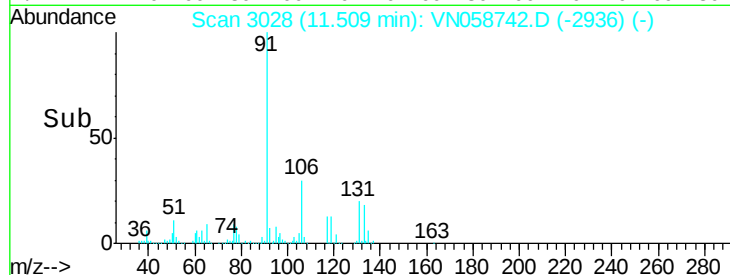
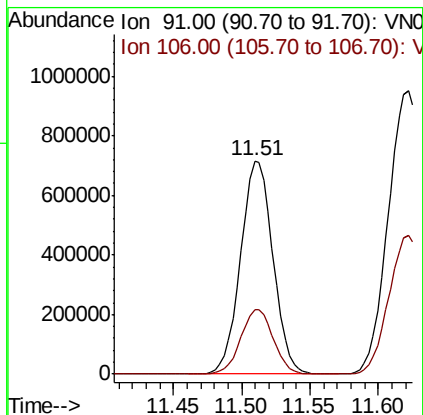
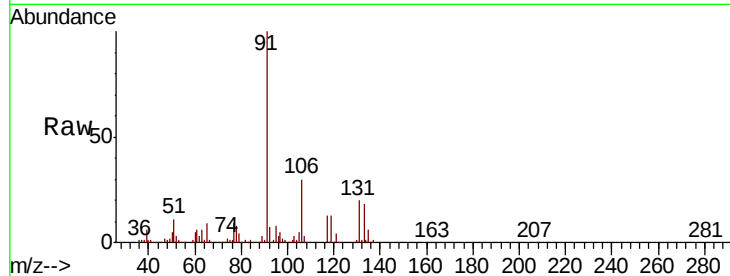
Ion Ratio Lower Upper

91 100

106 30.1 24.1 36.1

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



#68

m/p-Xylenes

Concen: 104.544 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058742.D

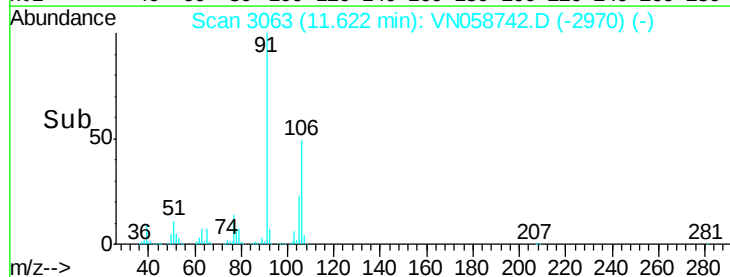
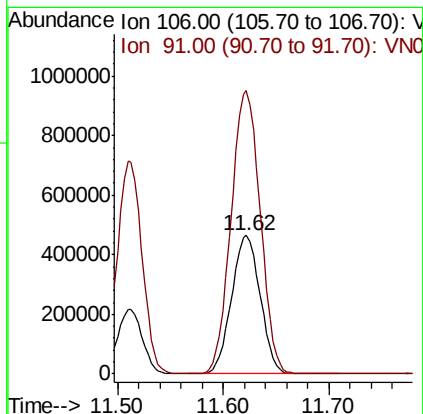
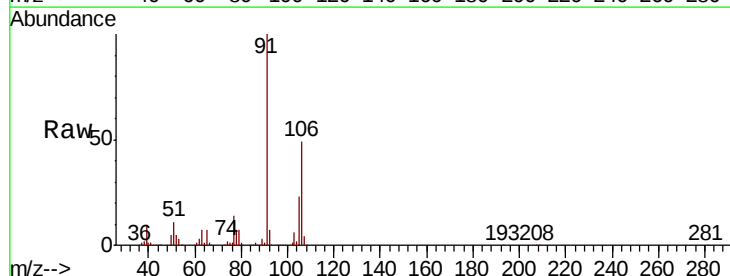
Acq: 12 Oct 2019 7:02

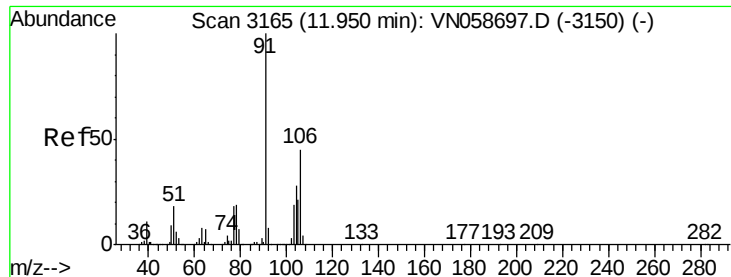
Tgt Ion: 106 Resp: 874243

Ion Ratio Lower Upper

106 100

91 208.1 165.7 248.5





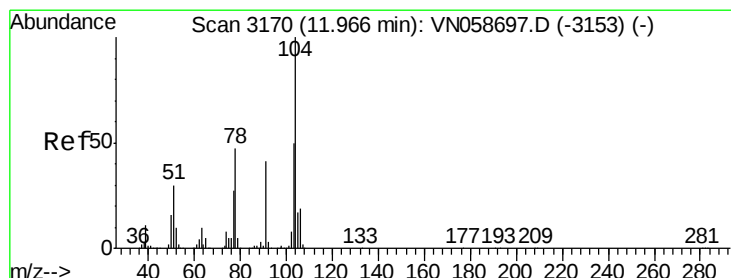
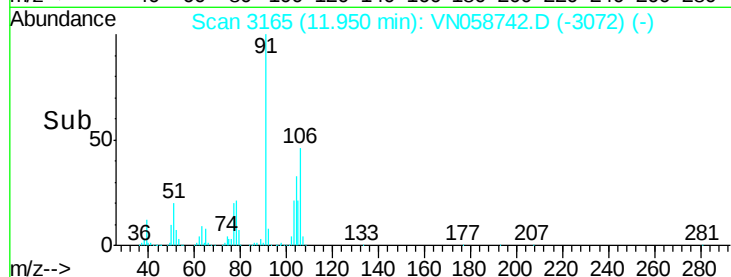
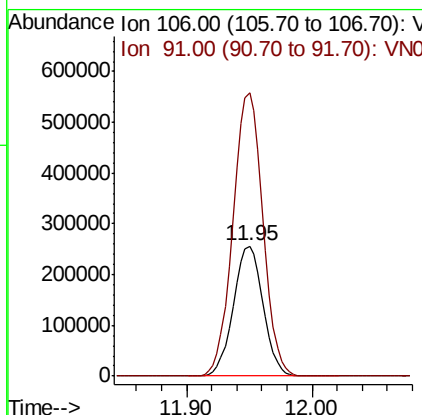
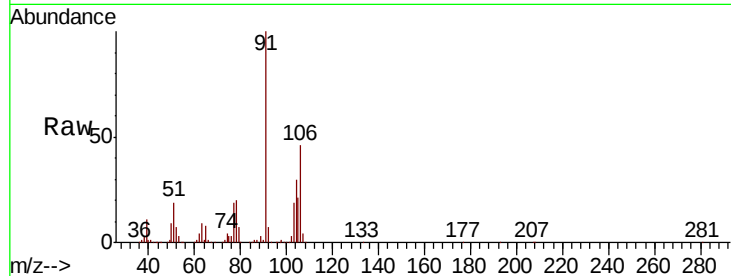
#69
o-Xylene
Concen: 52.072 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
421309	106	100		
	91	219.3	110.9	332.9

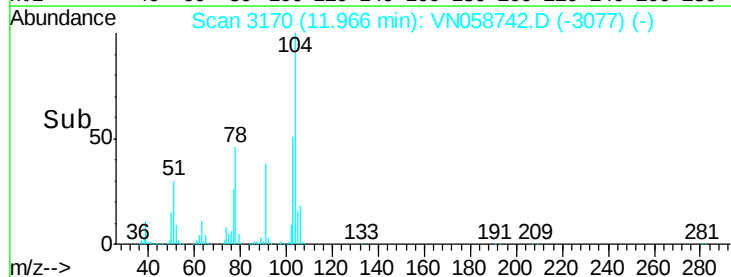
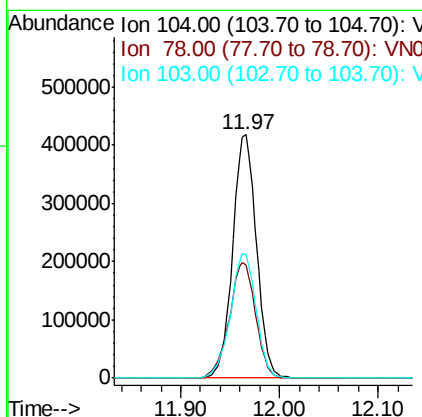
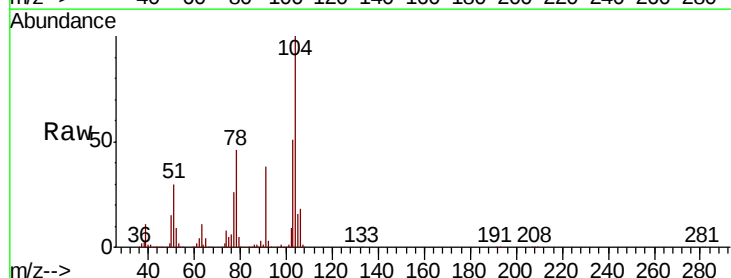
Manual Integrations
APPROVED

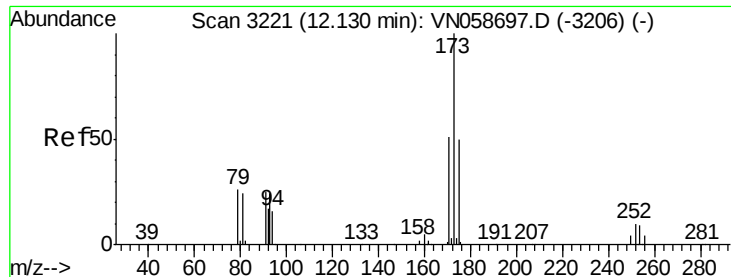
MMDadoda
10/16/2019 12:49:03 AM



#70
Styrene
Concen: 52.945 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion	Ion	Ratio	Lower	Upper
702103	104	100		
	78	52.5	42.2	63.2
	103	55.4	43.7	65.5





#71

Bromoform

Concen: 54.550 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

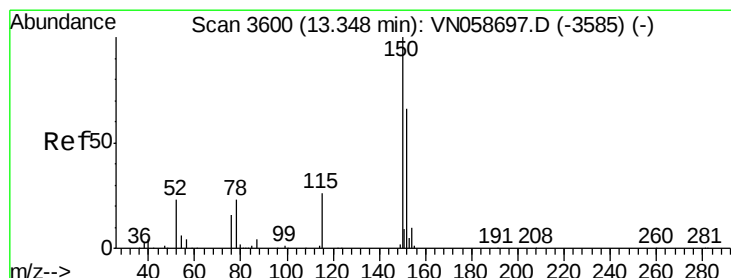
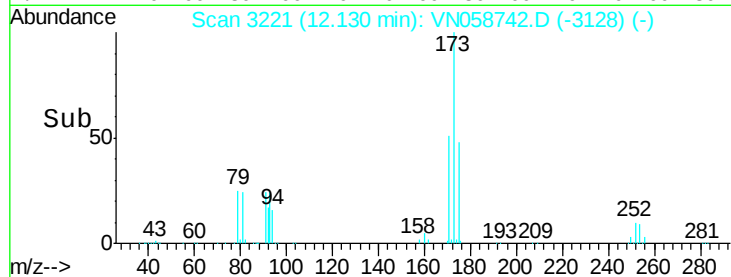
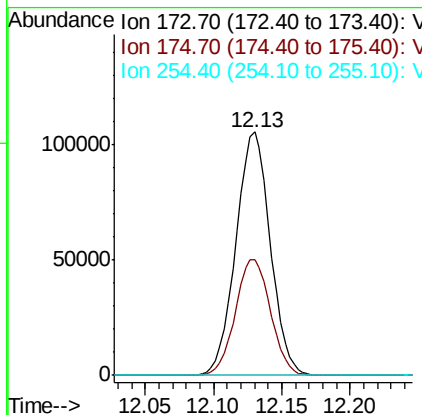
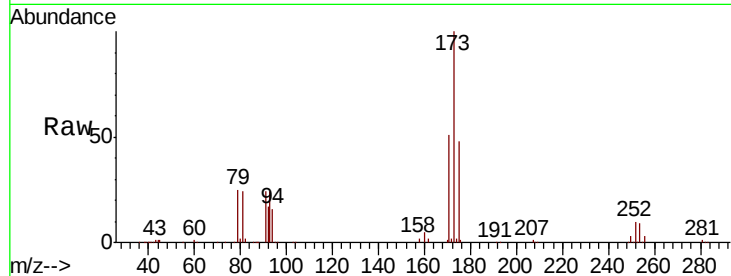
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	73.8
254	0.1	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

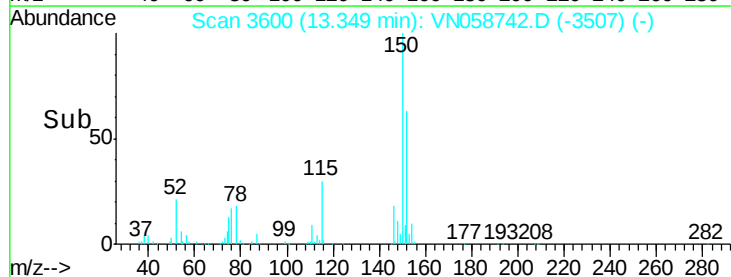
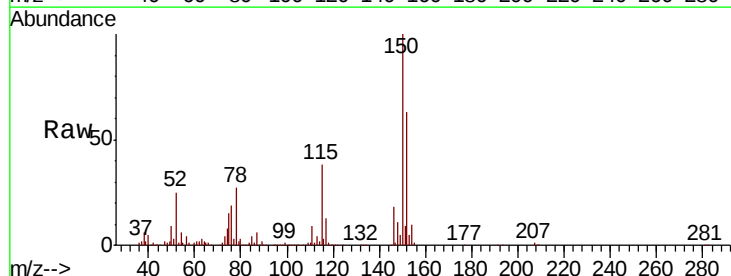
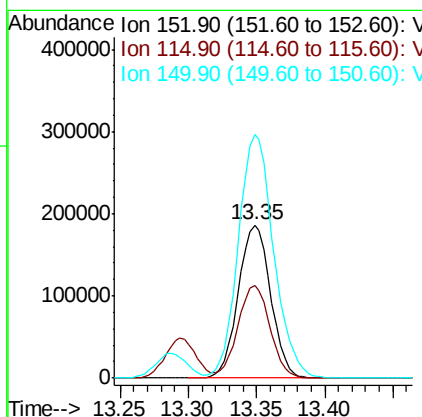
RT: 13.35 min Scan# 3600

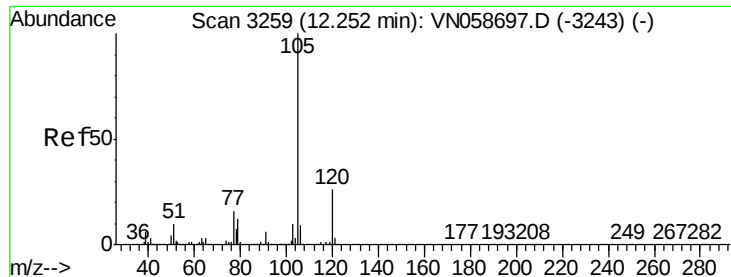
Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.4	91.2
150	173.9	0.0	345.4





#73

Isopropylbenzene

Concen: 51.846 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1151733

Ion Ratio Lower Upper

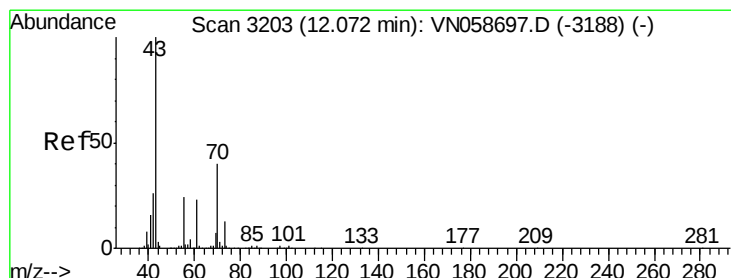
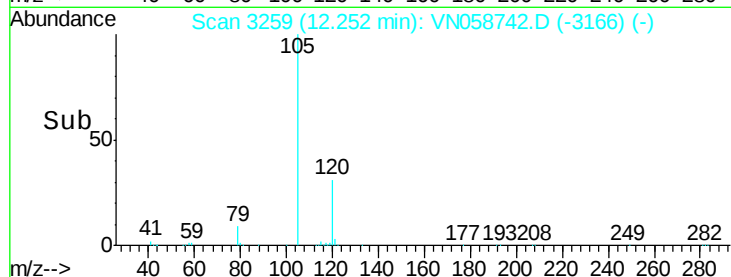
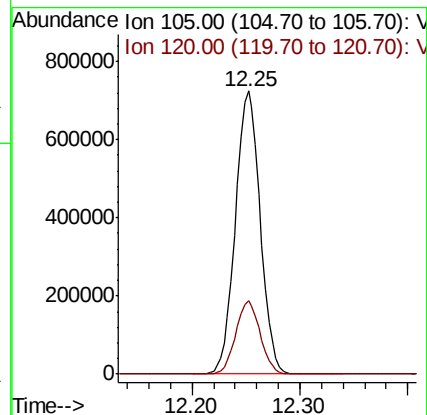
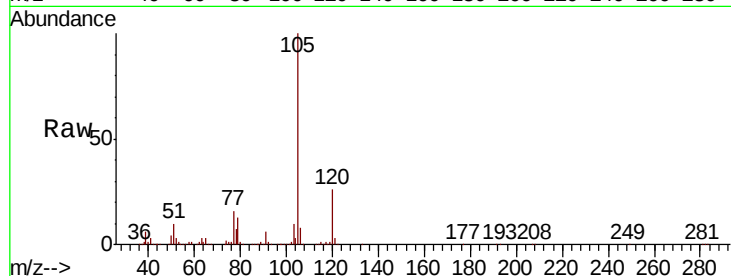
105 100

120 25.5 13.1 39.1

Manual Integrations
APPROVED

MMDadoda

10/16/2019 12:49:03 AM



#74

N-ethyl acetate

Concen: 51.720 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Tgt Ion: 43 Resp: 516026

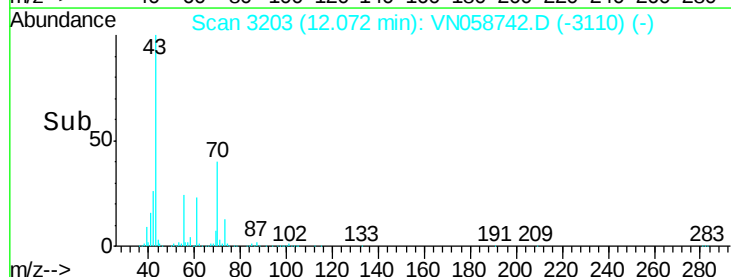
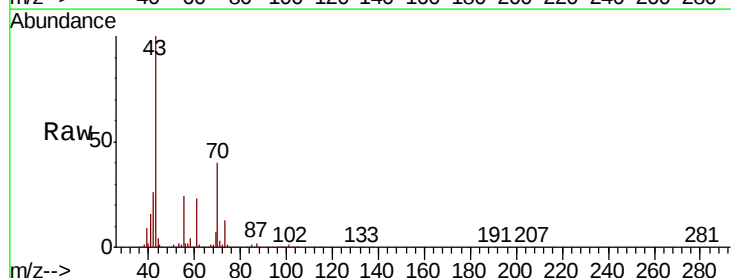
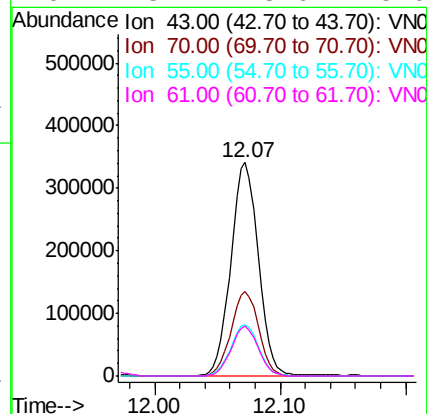
Ion Ratio Lower Upper

43 100

70 40.1 32.2 48.4

55 24.6 19.6 29.4

61 23.2 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.850 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

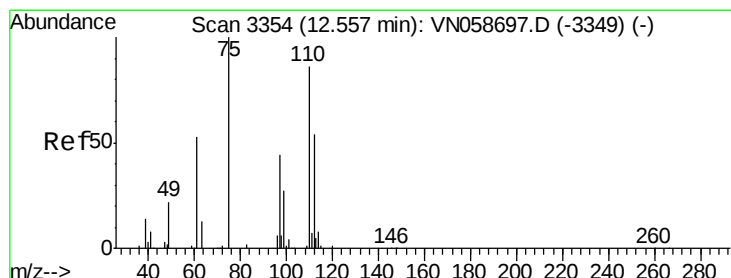
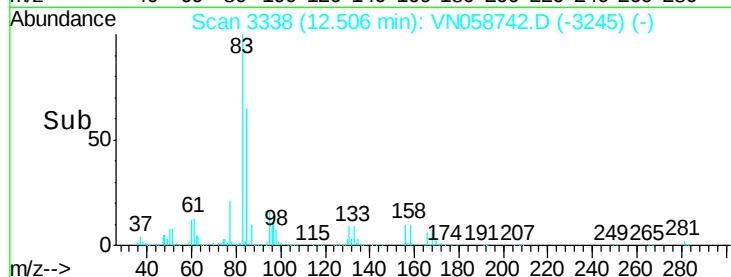
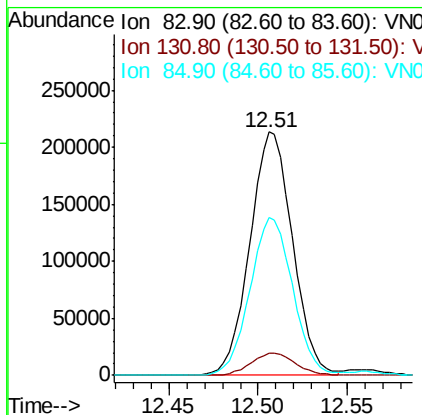
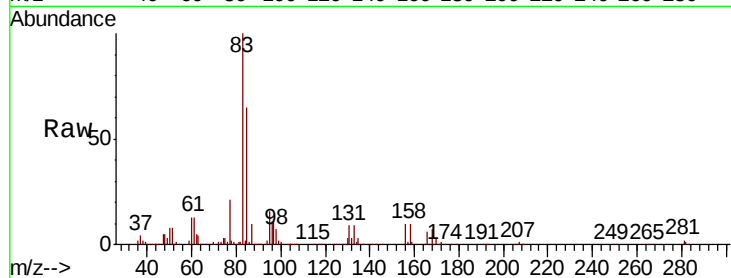
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	357492
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.4
85	64.8	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



#76

1,2,3-Trichloropropane

Concen: 47.807 ug/l m

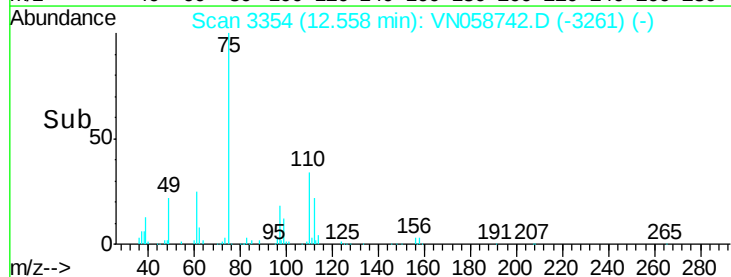
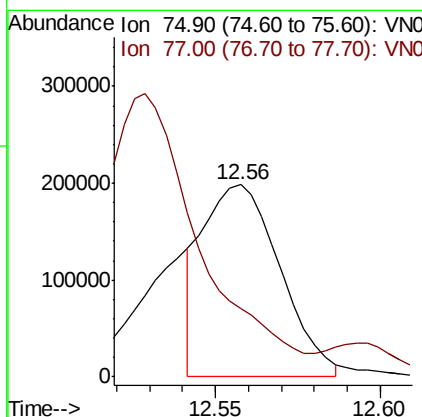
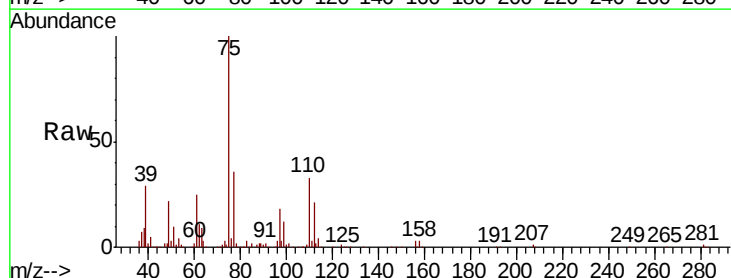
RT: 12.56 min Scan# 3354

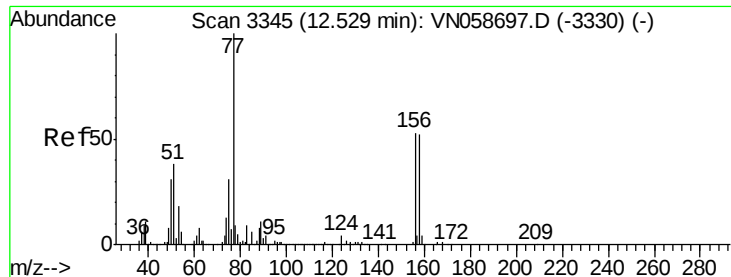
Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Tgt Ion:	75	Resp:	321696
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.835 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

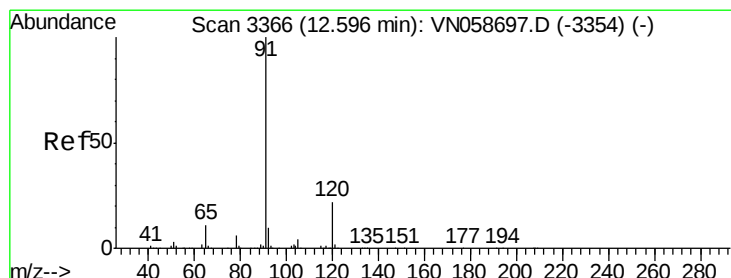
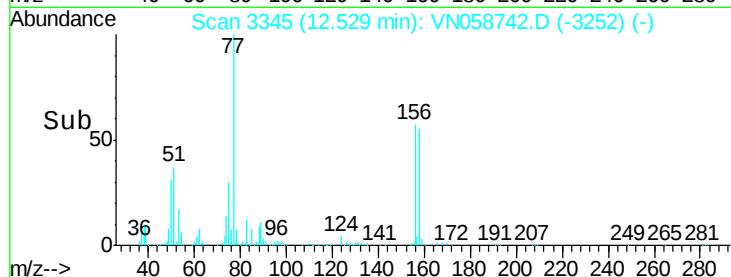
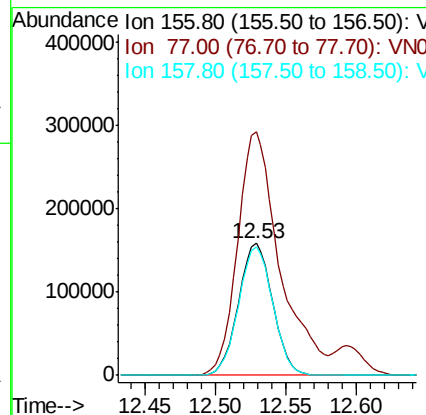
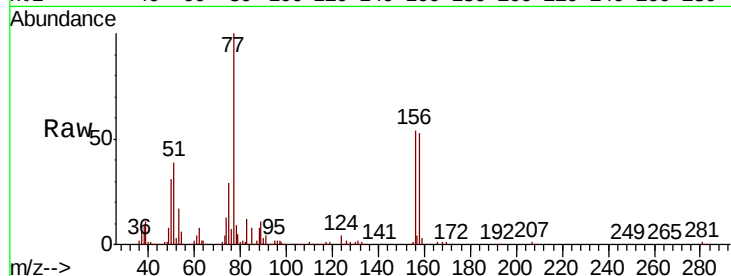
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	269271
Ion Ratio	Lower	Upper	
156	100		
77	227.5	115.8	347.3
158	97.9	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



#78

n-propylbenzene

Concen: 52.324 ug/l

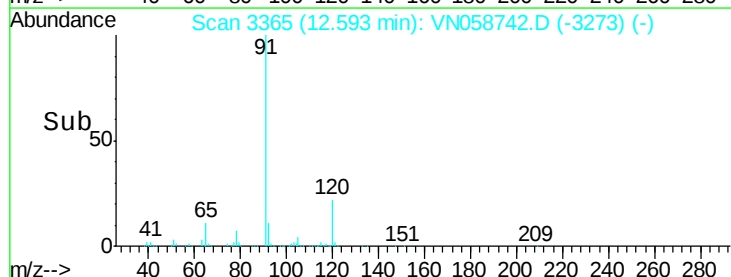
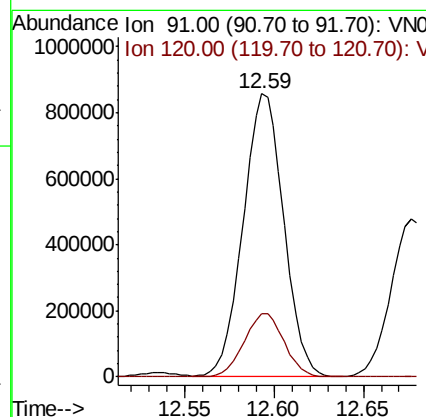
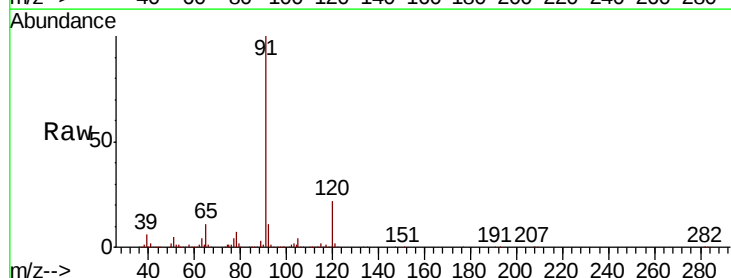
RT: 12.59 min Scan# 3365

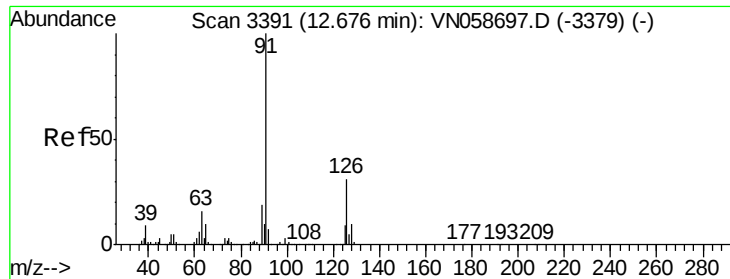
Delta R.T. -0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Tgt Ion:	91	Resp:	1354452
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.1	33.3





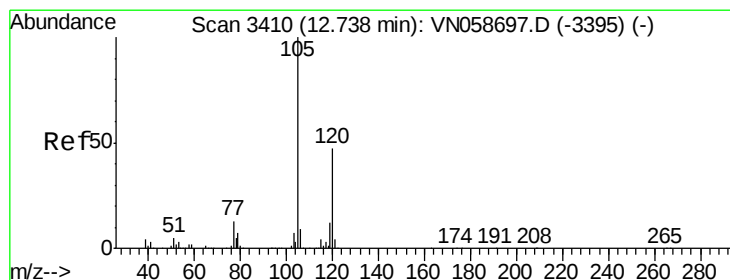
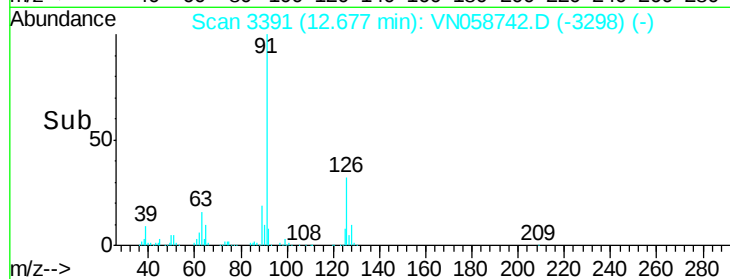
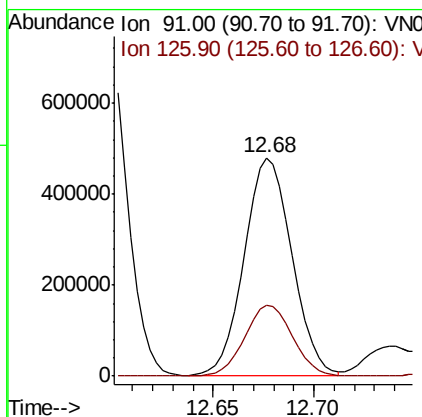
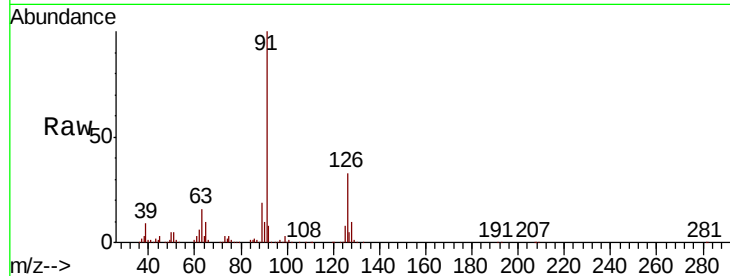
#79
 2-Chlorotoluene
 Concen: 49.328 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 792537
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.2 48.5

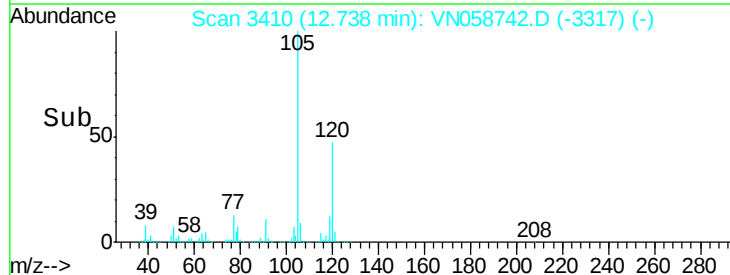
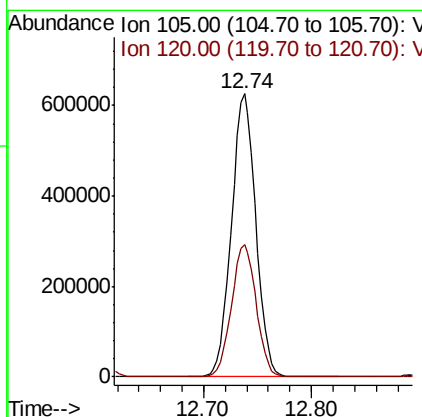
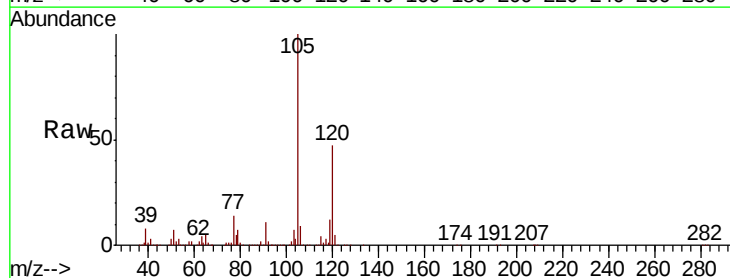
Manual Integrations
 APPROVED

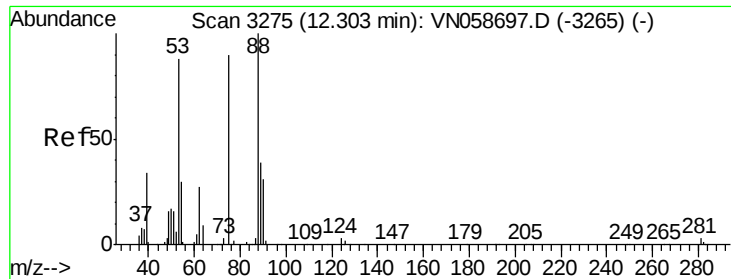
MMDadoda
 10/16/2019 12:49:03 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.955 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Tgt Ion: 105 Resp: 985343
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.4 70.2





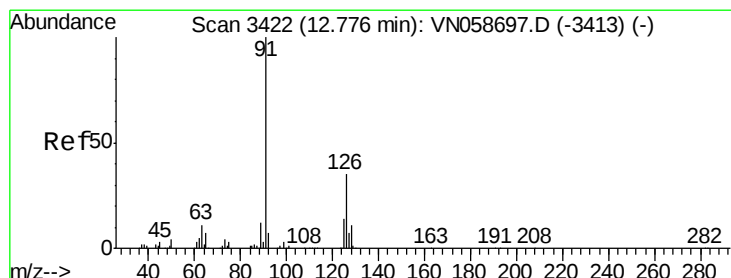
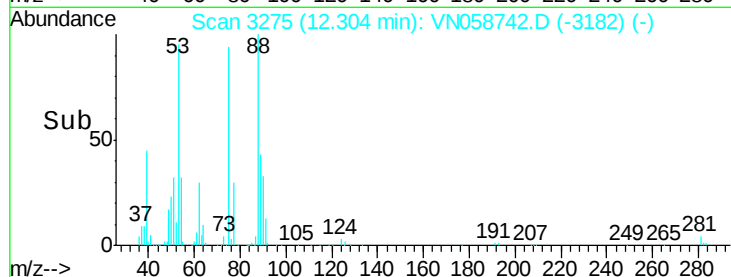
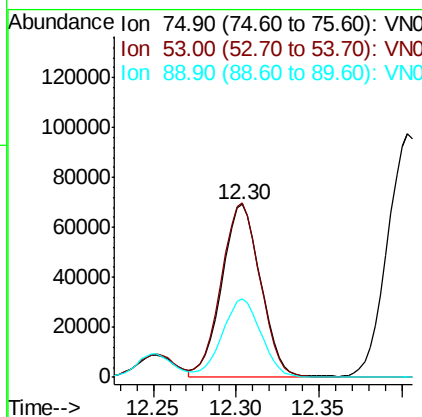
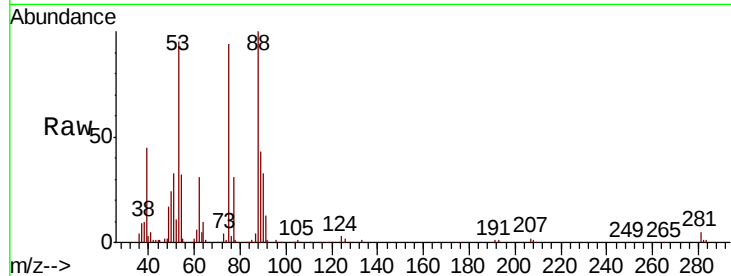
#81
trans-1,4-Dichloro-2-butene
Concen: 45.026 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.5	78.4	117.6
89	45.2	34.9	52.3

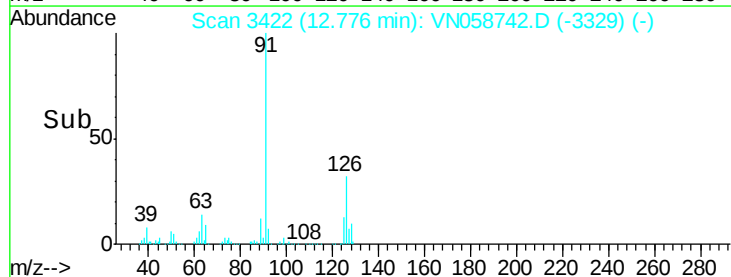
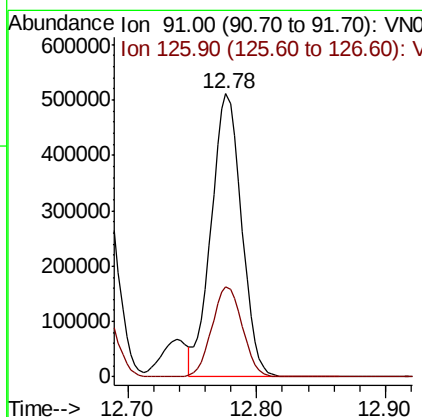
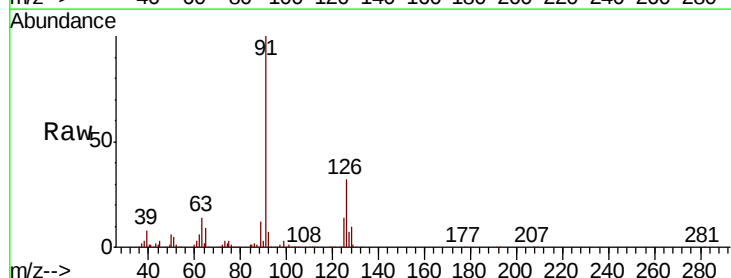
Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



#82
4-Chlorotoluene
Concen: 50.561 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.6





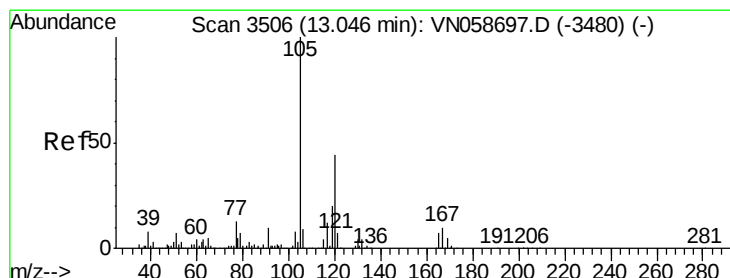
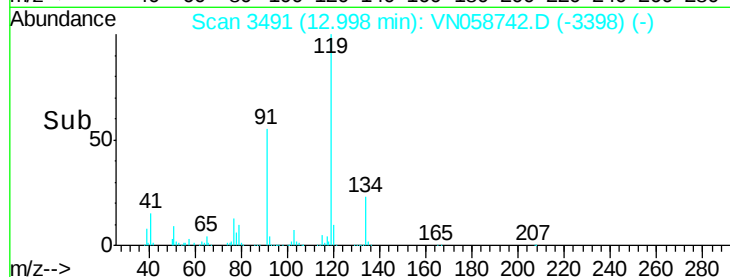
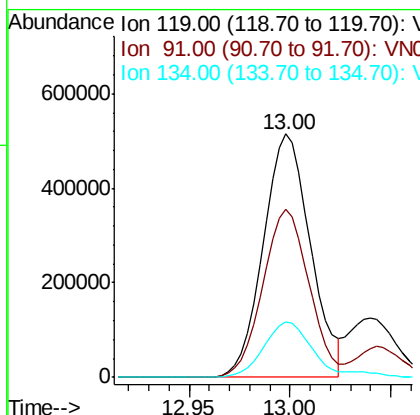
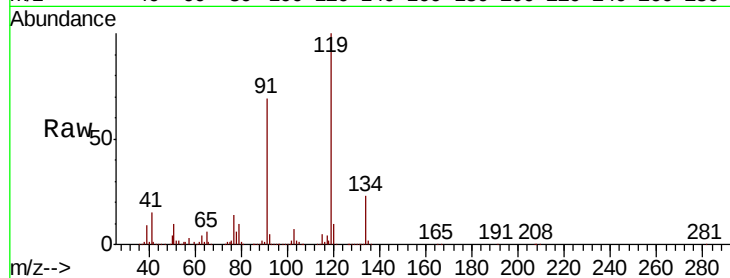
#83
tert-Butylbenzene
Concen: 51.412 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	33.8	101.3
134	24.3	12.6	37.6

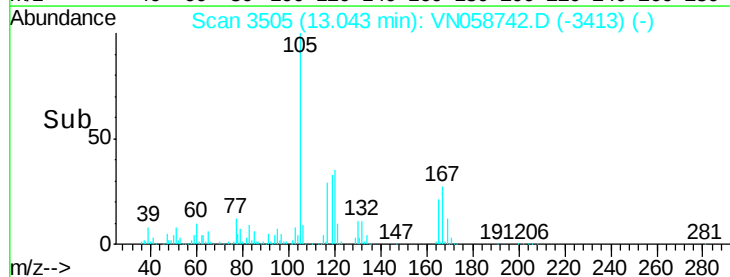
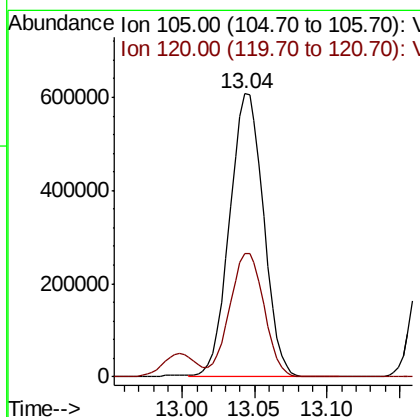
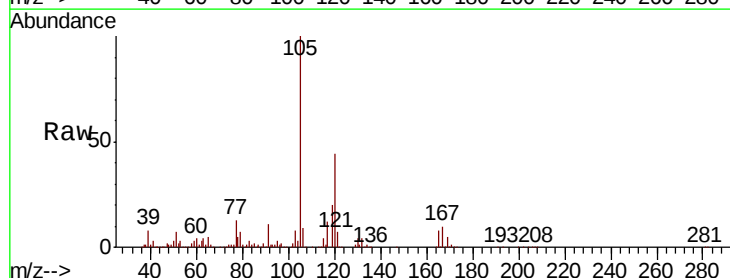
Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.472 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058742.D
Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.9	65.7





#85

sec-Butylbenzene

Concen: 53.062 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1135960

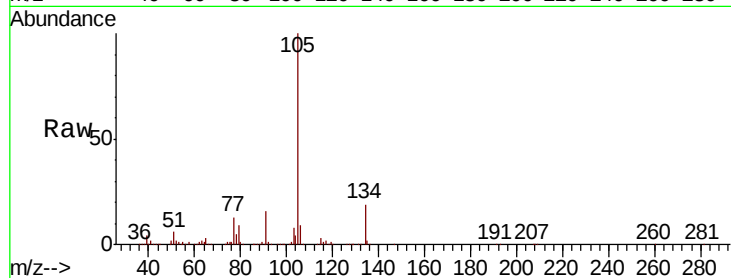
Ion Ratio Lower Upper

105 100

134 19.3 9.7 29.1

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

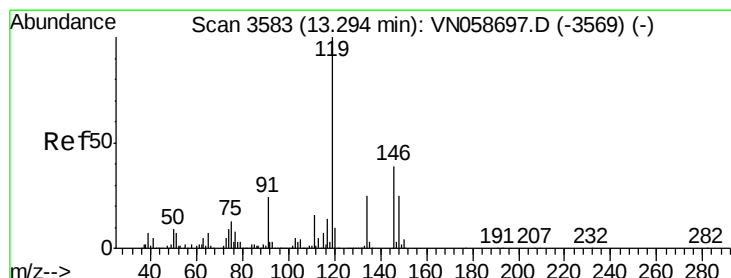
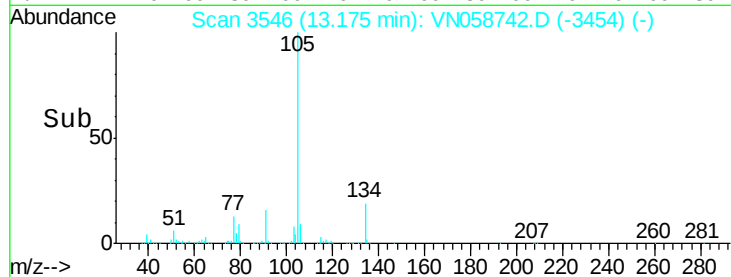
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.233 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

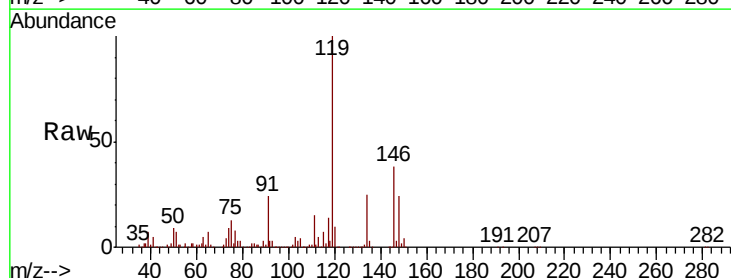
Tgt Ion:119 Resp: 1016301

Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

91 24.5 11.9 35.5



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

13.29

800000

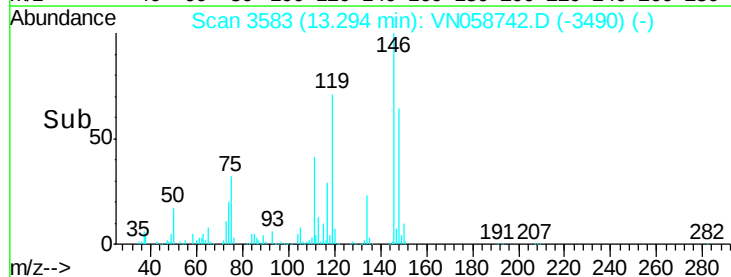
600000

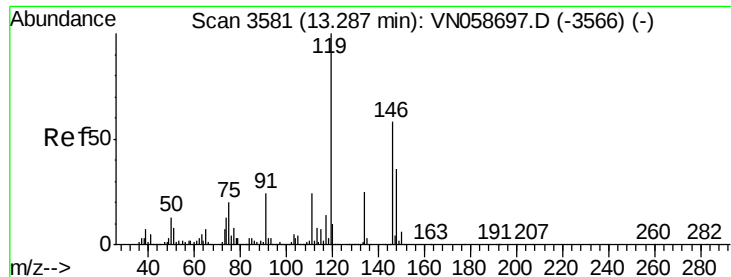
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.998 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058742.D

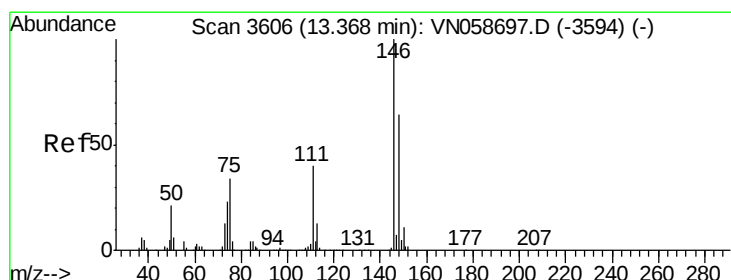
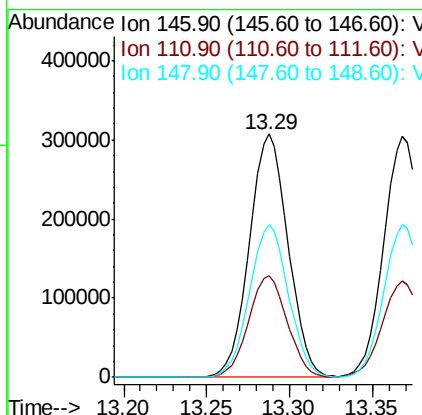
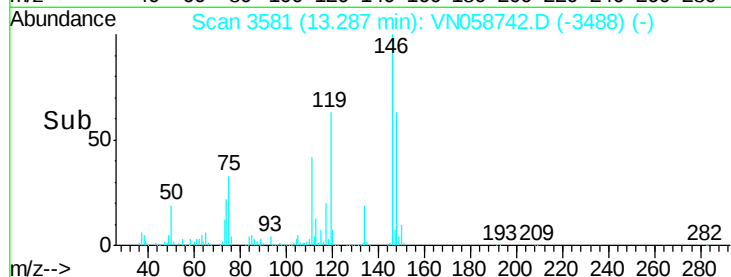
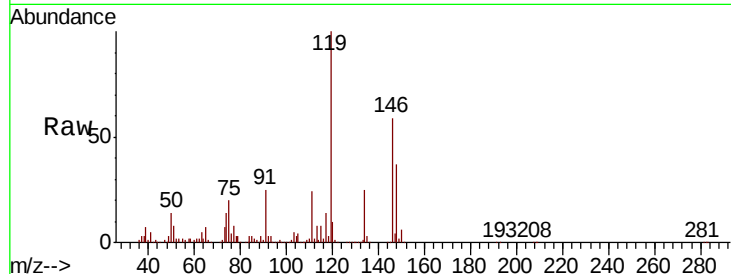
Acq: 12 Oct 2019 7:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	498217		
111	41.9	20.5	61.6	
148	63.3	31.3	93.9	

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



#88

1,4-Dichlorobenzene

Concen: 48.465 ug/l

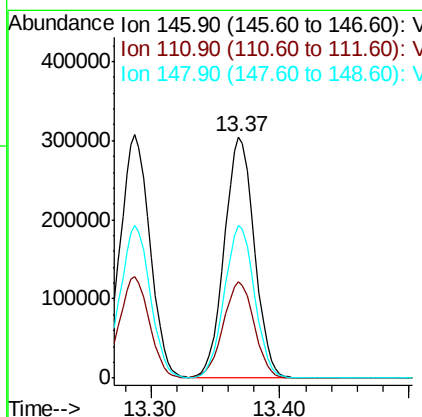
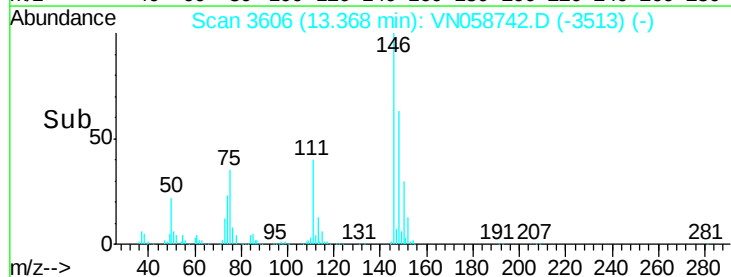
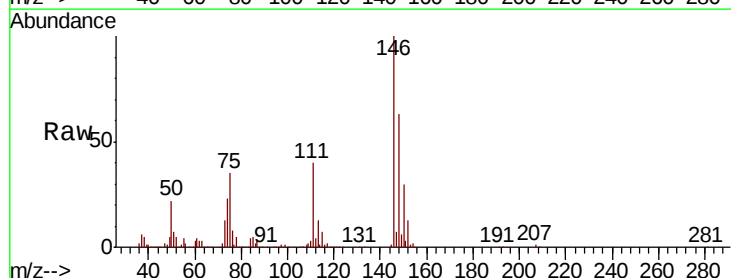
RT: 13.37 min Scan# 3606

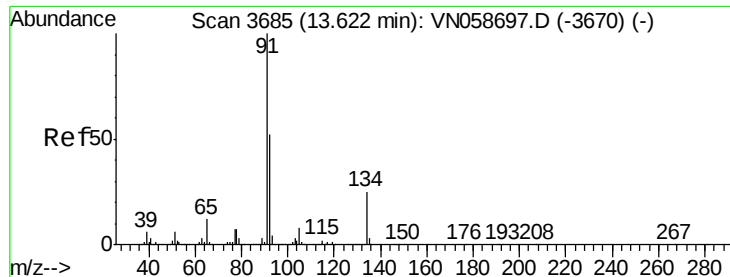
Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	491022		
111	41.3	20.1	60.2	
148	63.5	31.9	95.7	





#89

n-Butylbenzene

Concen: 51.017 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

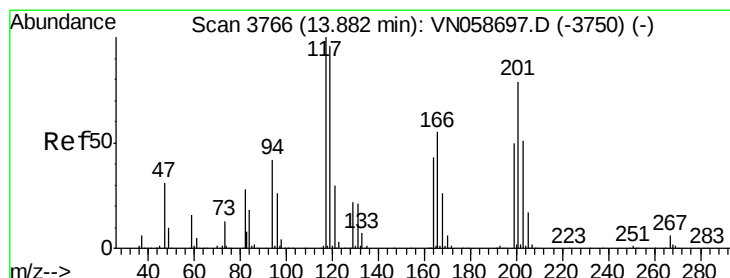
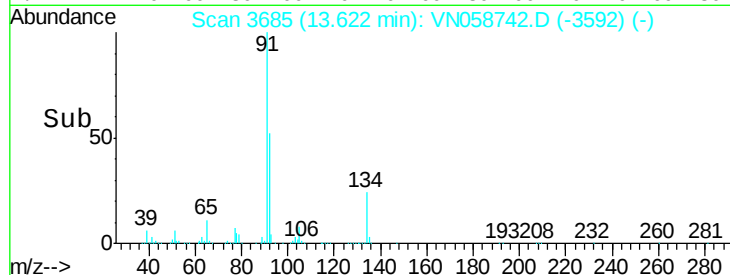
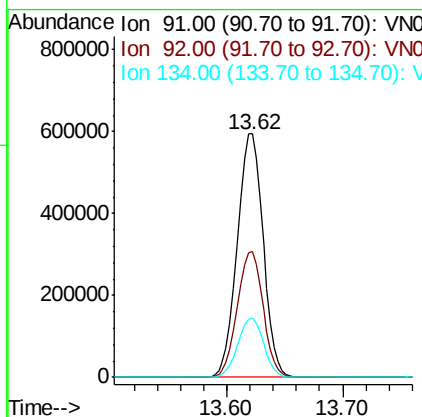
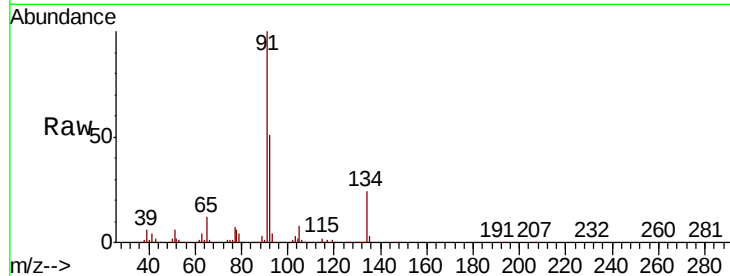
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	917860
Ion Ratio	Lower	Upper	
91	100		
92	51.5	26.0	78.0
134	24.3	12.2	36.6

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



#90

Hexachloroethane

Concen: 52.868 ug/l

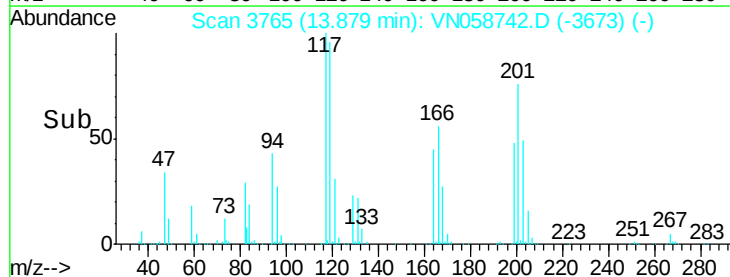
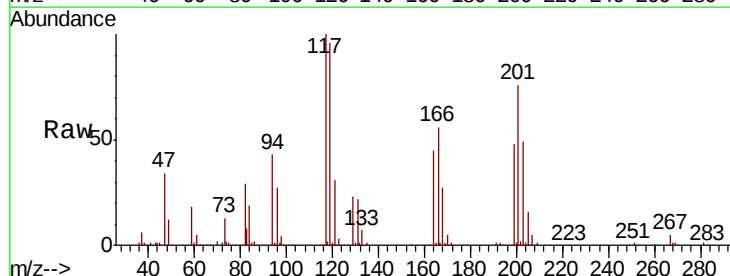
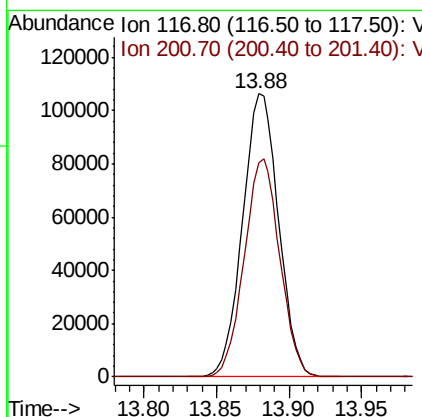
RT: 13.88 min Scan# 3765

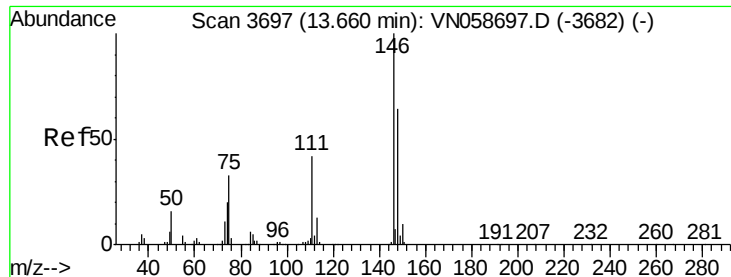
Delta R.T. -0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Tgt Ion:	117	Resp:	184061
Ion Ratio	Lower	Upper	
117	100		
201	76.1	39.6	118.7





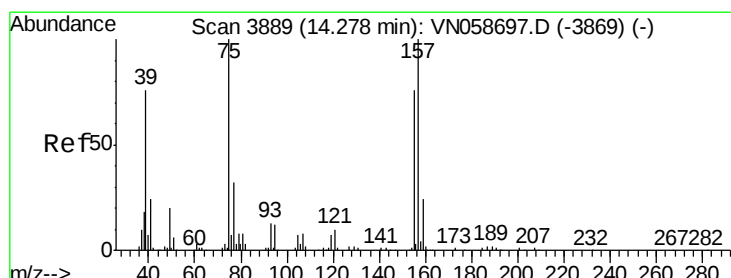
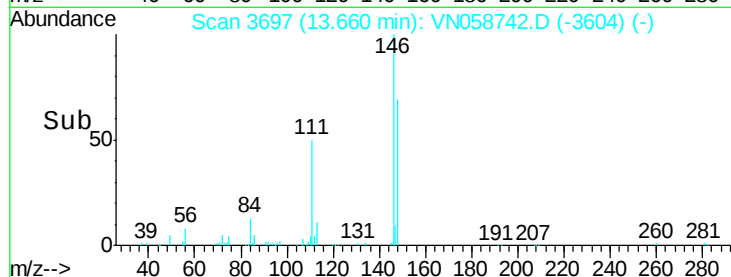
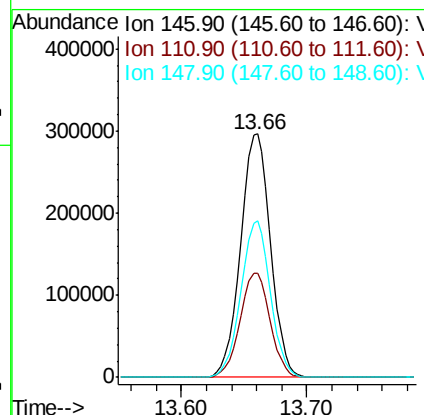
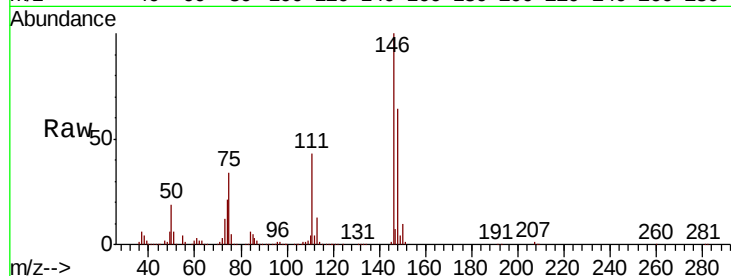
#91
 1,2-Dichlorobenzene
 Concen: 50.503 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.4
148	63.2	31.8	95.3

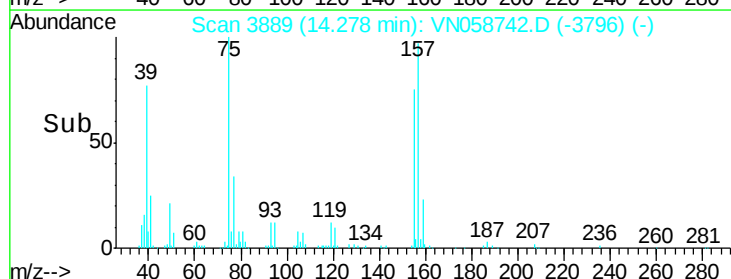
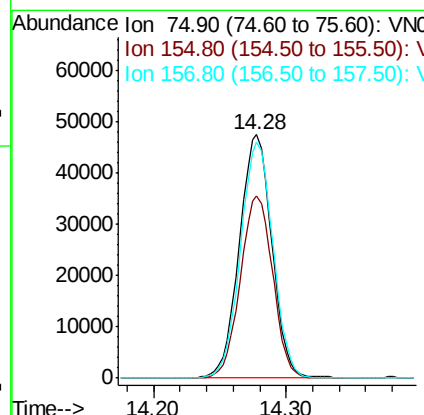
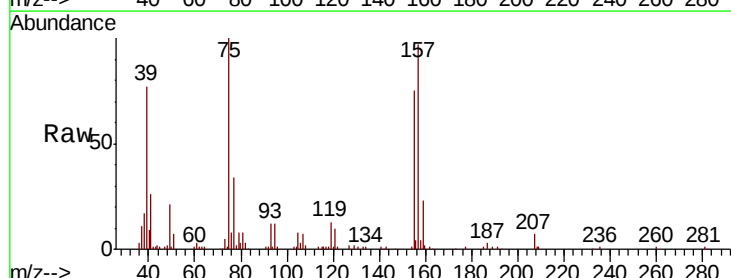
Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:49:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.240 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	37.9	113.6
157	96.6	49.4	148.2





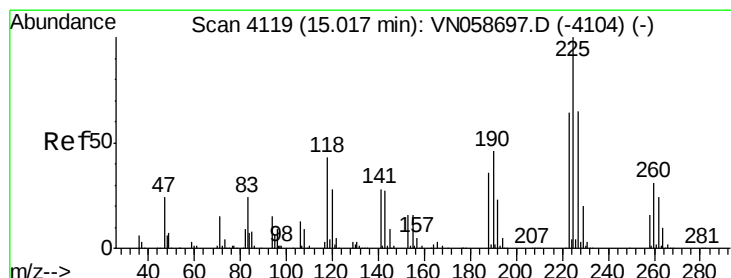
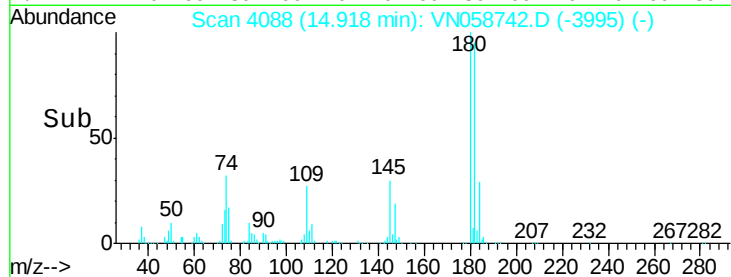
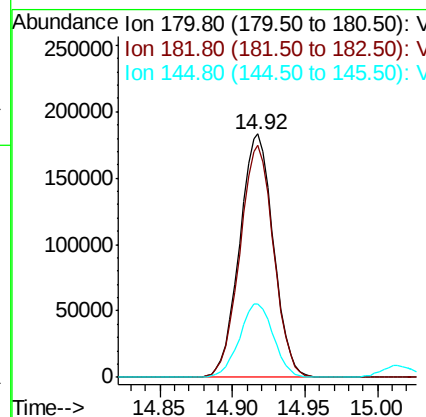
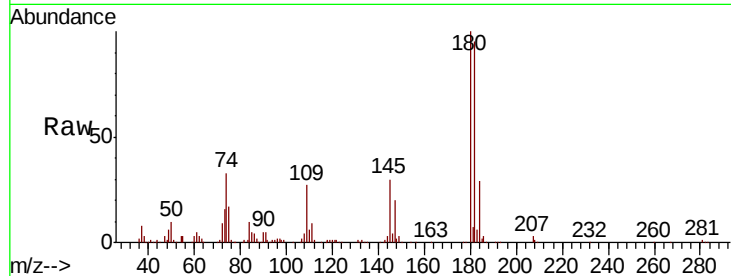
#93
 1,2,4-Trichlorobenzene
 Concen: 50.061 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.7	47.4	142.2
145	30.4	15.4	46.2

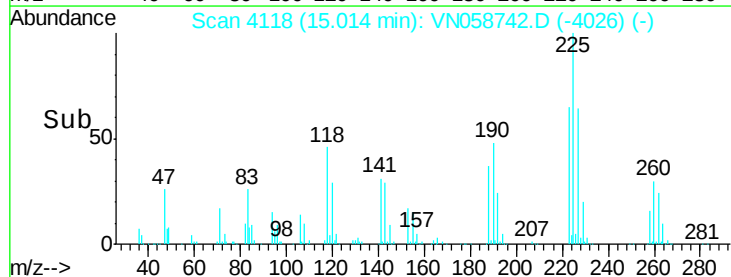
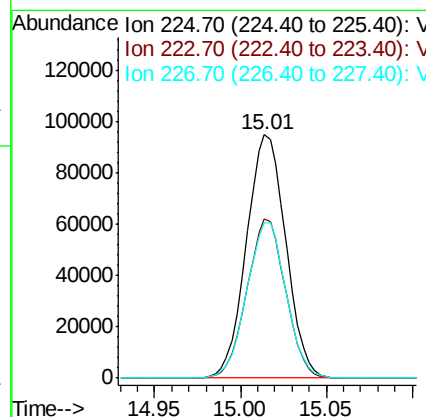
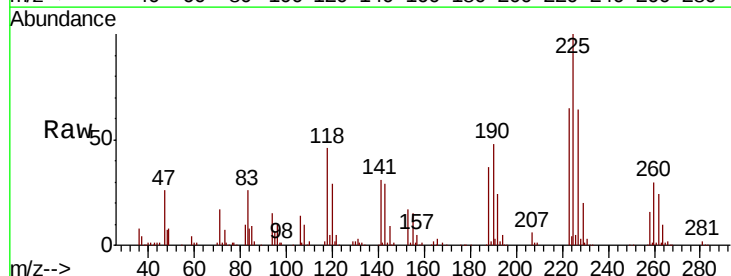
Manual Integrations
 APPROVED

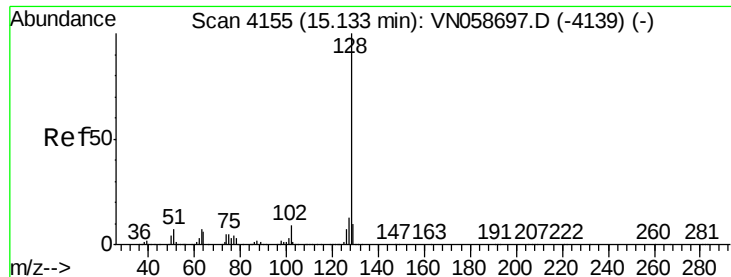
MMDadoda
 10/16/2019 12:49:03 AM



#94
 Hexachlorobutadiene
 Concen: 48.521 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058742.D
 Acq: 12 Oct 2019 7:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	64.1	32.3	96.8
227	63.7	32.4	97.0





#95

Naphthalene

Concen: 50.823 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Instrument :

MSVOA_N

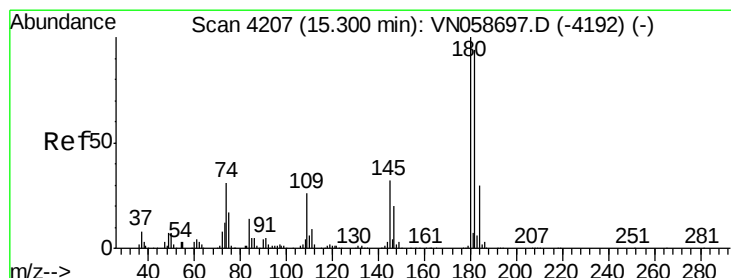
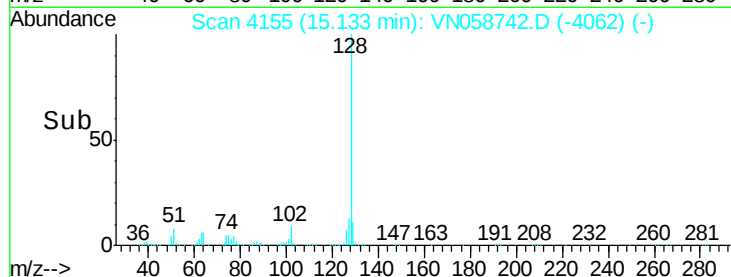
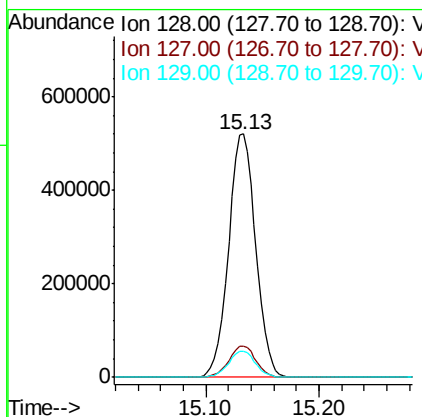
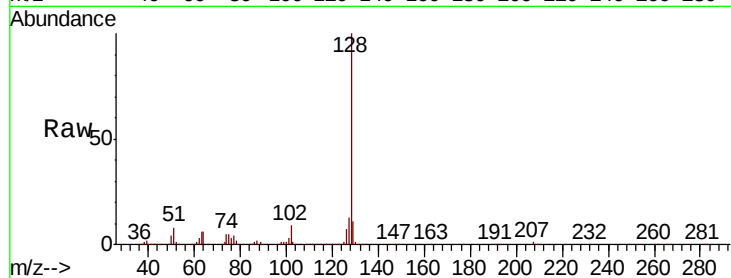
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	865360
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:49:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.984 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058742.D

Acq: 12 Oct 2019 7:02

Tgt Ion:	180	Resp:	289119
Ion Ratio	Lower	Upper	
180	100		
182	93.8	47.3	142.0
145	31.9	16.2	48.6

