

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057827.D
 Acq On : 10 Sep 2019 1:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:16:20 AM

Quant Time: Sep 10 08:11:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	323756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	528035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	506532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	306072	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	332600	50.72	ug/l	0.00
Spiked Amount						
			Recovery	=	101.44%	
35) Dibromofluoromethane	7.58	113	243023	49.87	ug/l	0.00
Spiked Amount						
			Recovery	=	99.74%	
50) Toluene-d8	10.09	98	988397	52.24	ug/l	0.00
Spiked Amount						
			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.40	95	351926	48.81	ug/l	0.00
Spiked Amount						
			Recovery	=	97.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	214731	47.959	ug/l	98
3) Chloromethane	2.03	50	204654	44.846	ug/l	99
4) Vinyl Chloride	2.16	62	225755	46.742	ug/l	99
5) Bromomethane	2.53	94	128324	48.298	ug/l	98
6) Chloroethane	2.67	64	144089	46.818	ug/l	99
7) Trichlorofluoromethane	2.99	101	287563	47.312	ug/l	98
8) Diethyl Ether	3.39	74	117820	46.476	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	178424	46.535	ug/l	100
10) Methyl Iodide	3.93	142	203364	47.663	ug/l	98
11) Tert butyl alcohol	4.77	59	195988	246.943	ug/l	98
12) 1,1-Dichloroethene	3.71	96	150921	43.778	ug/l	93
13) Acrolein	3.58	56	161518	239.878	ug/l	98
14) Allyl chloride	4.30	41	296233	43.908	ug/l	100
15) Acrylonitrile	4.96	53	531569	243.678	ug/l	100
16) Acetone	3.80	43	437270	203.415	ug/l	100
17) Carbon Disulfide	4.03	76	243710	45.436	ug/l	99
18) Methyl Acetate	4.30	43	285008	49.726	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	704903	49.133	ug/l	99
20) Methylene Chloride	4.53	84	211023	51.605	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	171680	46.068	ug/l	98
22) Diisopropyl ether	5.93	45	775676	49.027	ug/l	99
23) Vinyl Acetate	5.87	43	2848452	254.038	ug/l	100
24) 1,1-Dichloroethane	5.83	63	411300	47.566	ug/l	99
25) 2-Butanone	6.82	43	732146	235.319	ug/l	98
26) 2,2-Dichloropropane	6.81	77	250245	36.570	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	233543	46.763	ug/l	99
28) Bromochloromethane	7.18	49	216943	50.220	ug/l	97
29) Tetrahydrofuran	7.19	42	463970	242.005	ug/l	100
30) Chloroform	7.36	83	434010	48.004	ug/l	99
31) Cyclohexane	7.64	56	298169	50.630	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	351557	49.028	ug/l	100
36) 1,1-Dichloropropene	7.78	75	279425	45.629	ug/l	99
37) Ethyl Acetate	6.91	43	296750	46.902	ug/l	99
38) Carbon Tetrachloride	7.76	117	273049	48.837	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057827.D
 Acq On : 10 Sep 2019 1:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:16:20 AM

Quant Time: Sep 10 08:11:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	299826	46.575	ug/l	98
40) Benzene	8.03	78	884786	47.991	ug/l	98
41) Methacrylonitrile	7.16	41	149872m	52.183	ug/l	
42) 1,2-Dichloroethane	8.11	62	351672	47.694	ug/l	100
43) Isopropyl Acetate	8.15	43	523538	49.205	ug/l #	91
44) Trichloroethene	8.83	130	213375	47.186	ug/l	98
45) 1,2-Dichloropropane	9.11	63	258483	48.182	ug/l	99
46) Dibromomethane	9.20	93	157972	48.729	ug/l	99
47) Bromodichloromethane	9.40	83	328469	50.740	ug/l	97
48) Methyl methacrylate	9.19	41	257820	47.768	ug/l	99
49) 1,4-Dioxane	9.19	88	85898	941.108	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1647837	261.710	ug/l	100
52) Toluene	10.15	92	558962	48.136	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	336320	49.335	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	363808	48.337	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	238896	48.568	ug/l	99
56) Ethyl methacrylate	10.43	69	371217	50.116	ug/l	99
57) 1,3-Dichloropropane	10.71	76	414732	48.925	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	891745	255.609	ug/l	99
59) 2-Hexanone	10.75	43	1195042	253.218	ug/l	99
60) Dibromochloromethane	10.90	129	236181	51.709	ug/l	100
61) 1,2-Dibromoethane	11.00	107	230240	49.512	ug/l	100
64) Tetrachloroethene	10.63	164	177194	47.378	ug/l	99
65) Chlorobenzene	11.43	112	637663	48.103	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	232032	50.443	ug/l	100
67) Ethyl Benzene	11.51	91	1154396	49.690	ug/l	99
68) m/p-Xylenes	11.62	106	844898	99.284	ug/l	100
69) o-Xylene	11.95	106	420951	49.757	ug/l	99
70) Styrene	11.97	104	735523	50.517	ug/l	99
71) Bromoform	12.13	173	145759	50.825	ug/l #	97
73) Isopropylbenzene	12.25	105	1173674	49.417	ug/l	100
74) N-amyl acetate	12.07	43	508361	49.183	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	371463	46.452	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	306215m	44.226	ug/l	
77) Bromobenzene	12.53	156	271215	45.802	ug/l	98
78) n-propylbenzene	12.59	91	1372174	50.313	ug/l	100
79) 2-Chlorotoluene	12.68	91	810158	47.001	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1014304	50.545	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	88488	44.973	ug/l	98
82) 4-Chlorotoluene	12.78	91	848039	47.908	ug/l	99
83) tert-Butylbenzene	13.00	119	874699	49.035	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1018399	49.932	ug/l	99
85) sec-Butylbenzene	13.18	105	1187774	50.238	ug/l	100
86) p-Isopropyltoluene	13.29	119	1070214	51.373	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	511752	47.084	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	519010	47.044	ug/l	100
89) n-Butylbenzene	13.62	91	990462	50.346	ug/l	100
90) Hexachloroethane	13.88	117	158380	51.121	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	522783	48.146	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67993	51.486	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
Data File : VN057827.D
Acq On : 10 Sep 2019 1:22
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

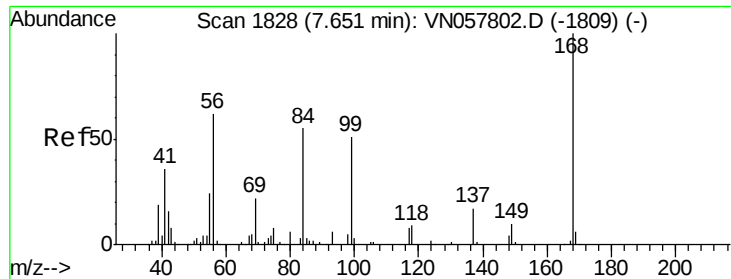
Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:16:20 AM

Quant Time: Sep 10 08:11:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	319150	44.968	ug/l	98
94) Hexachlorobutadiene	15.01	225	133400	44.340	ug/l	98
95) Naphthalene	15.13	128	917421	51.242	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	303701	49.036	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 323756

Ion Ratio Lower Upper

168 100

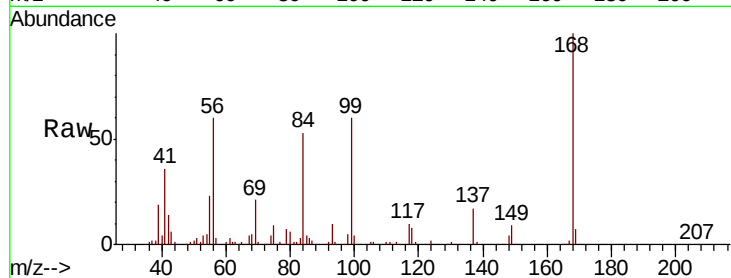
99 59.6 48.0 72.0

Manual Integrations

APPROVED

MMDadoda

9/13/2019 5:16:20 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

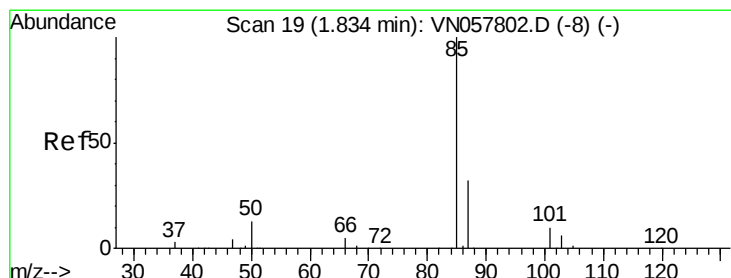
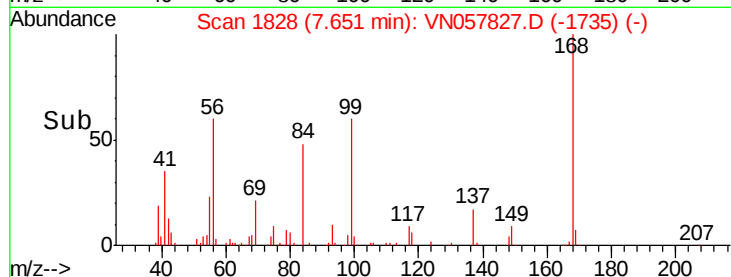
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.959 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057827.D

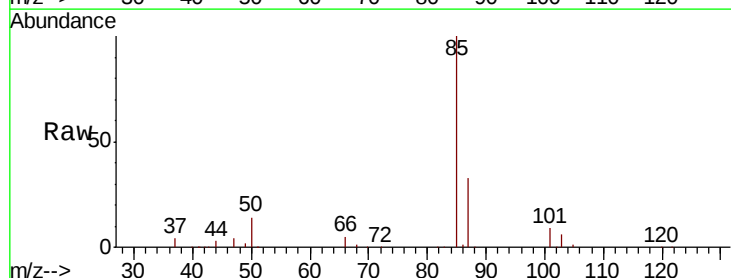
Acq: 10 Sep 2019 1:22

Tgt Ion: 85 Resp: 214731

Ion Ratio Lower Upper

85 100

87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

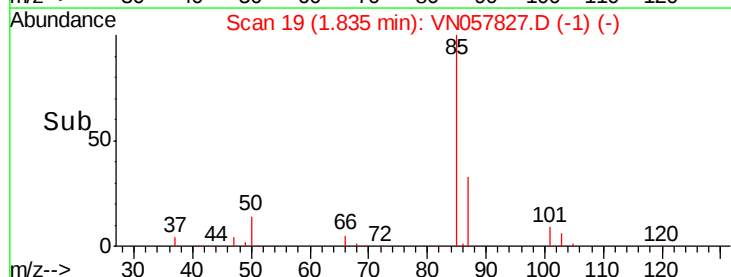
100000

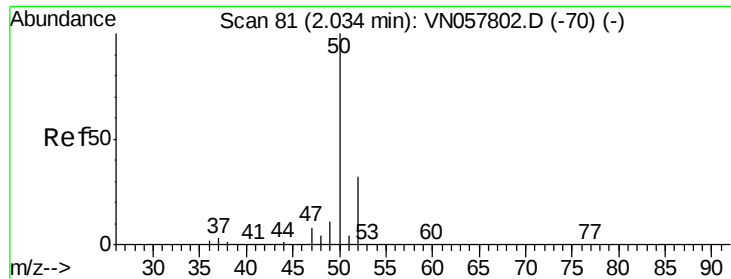
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 44.846 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 204654

Ion Ratio Lower Upper

50 100

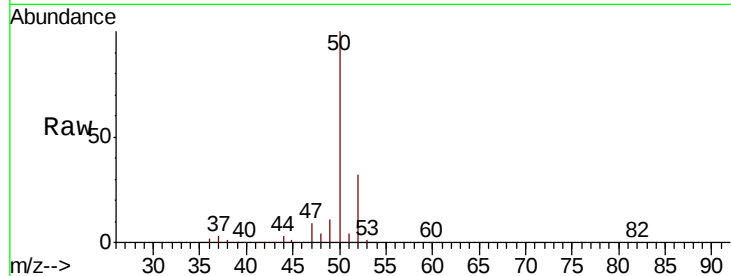
52 32.4 25.5 38.3

Manual Integrations

APPROVED

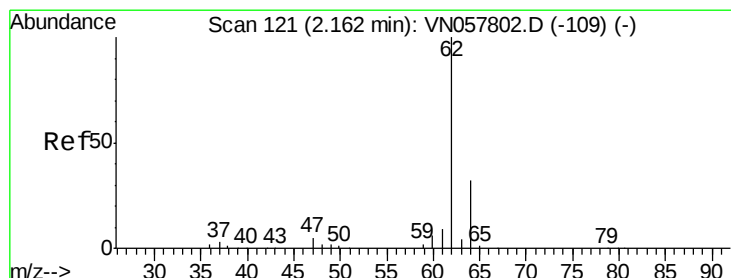
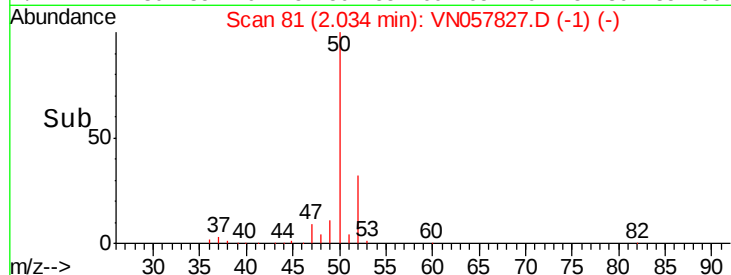
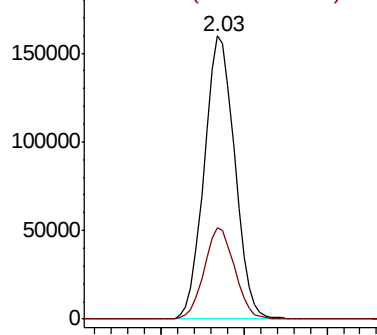
MMDadoda

9/13/2019 5:16:20 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 46.742 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057827.D

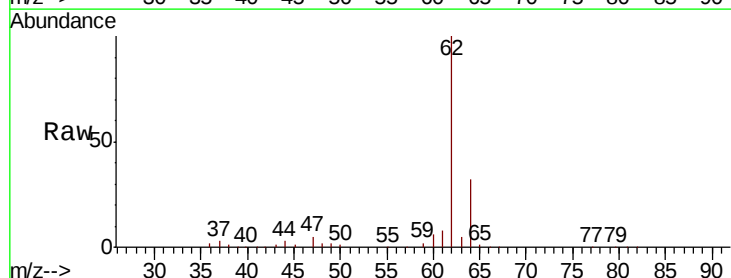
Acq: 10 Sep 2019 1:22

Tgt Ion: 62 Resp: 225755

Ion Ratio Lower Upper

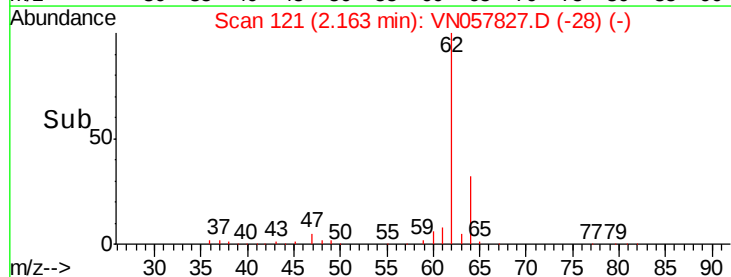
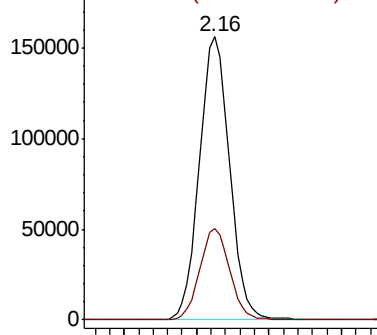
62 100

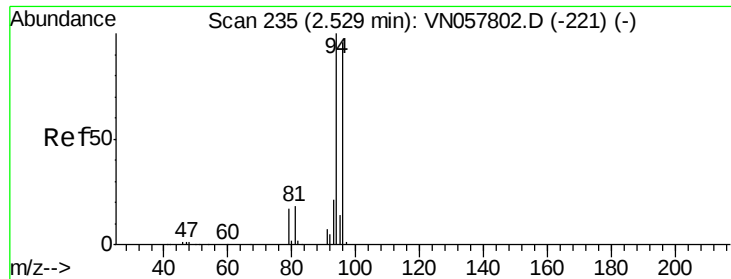
64 32.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 48.298 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 128324

Ion Ratio Lower Upper

94 100

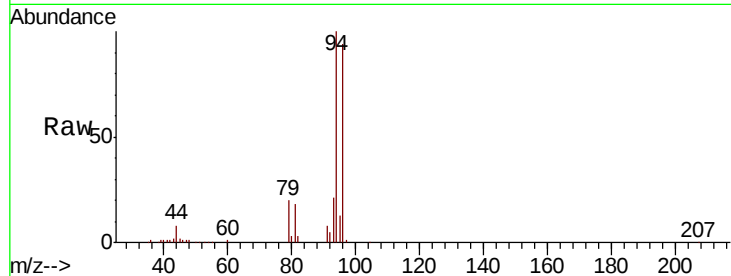
96 94.5 77.0 115.4

Manual Integrations

APPROVED

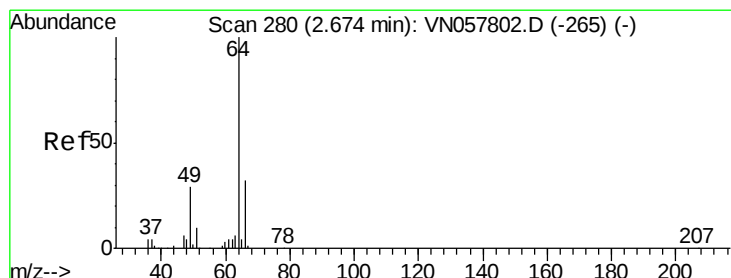
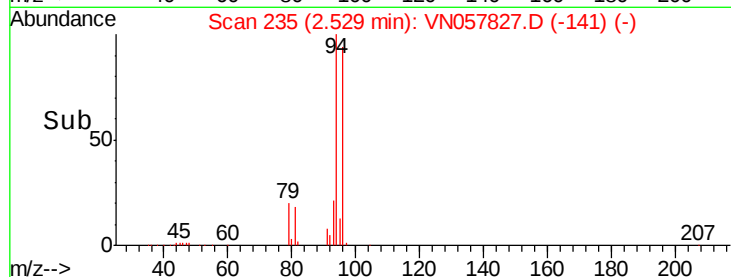
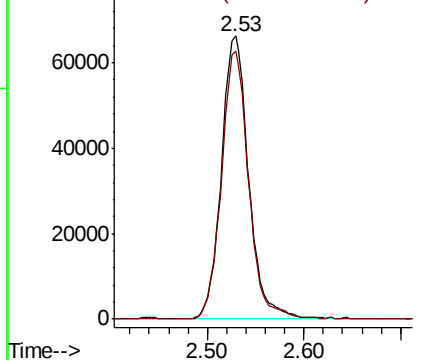
MMDadoda

9/13/2019 5:16:20 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.818 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN057827.D

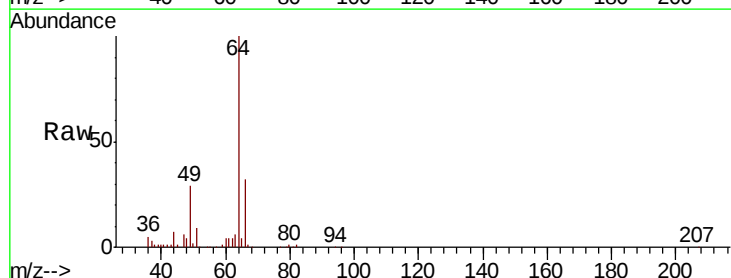
Acq: 10 Sep 2019 1:22

Tgt Ion: 64 Resp: 144089

Ion Ratio Lower Upper

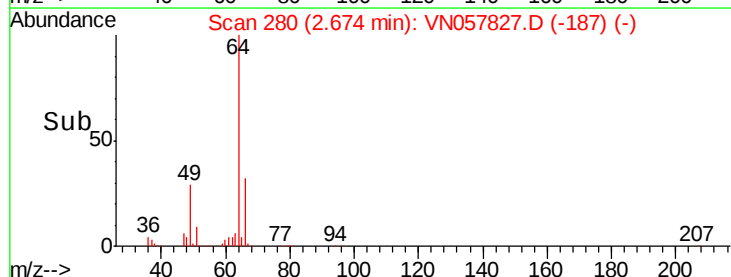
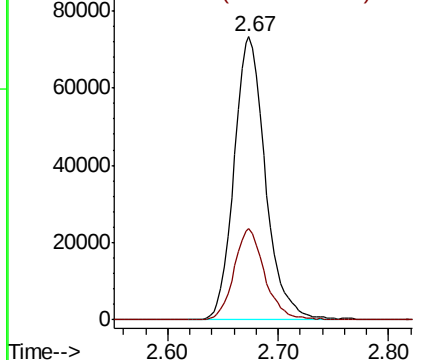
64 100

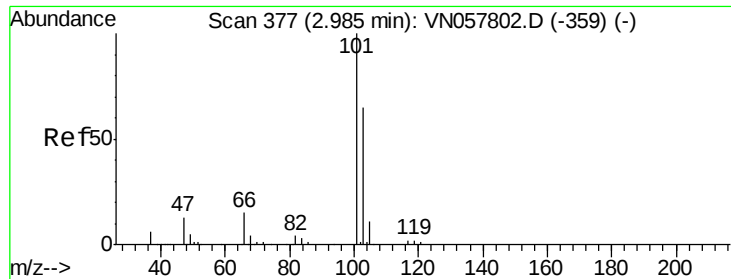
66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

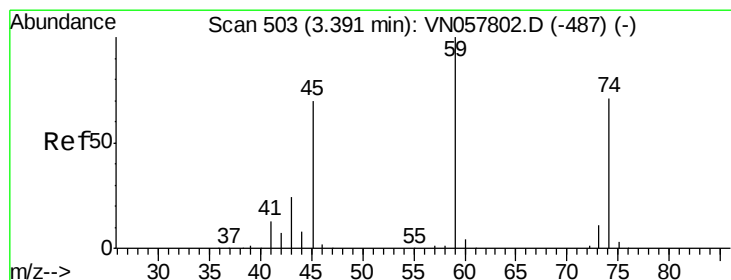
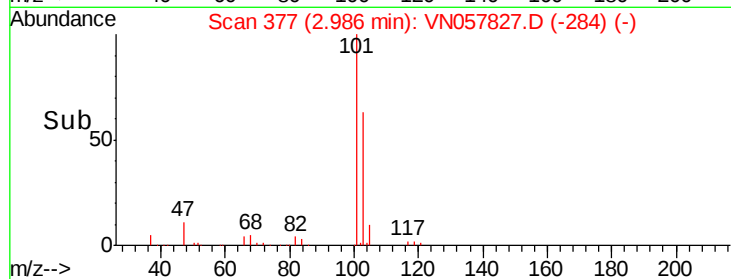
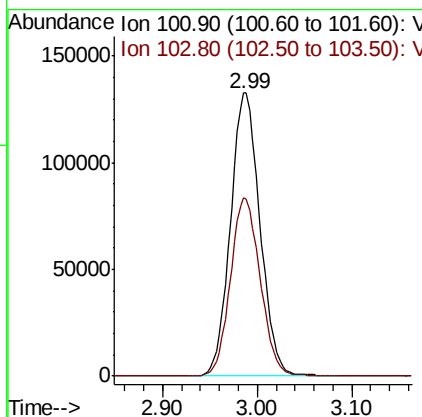
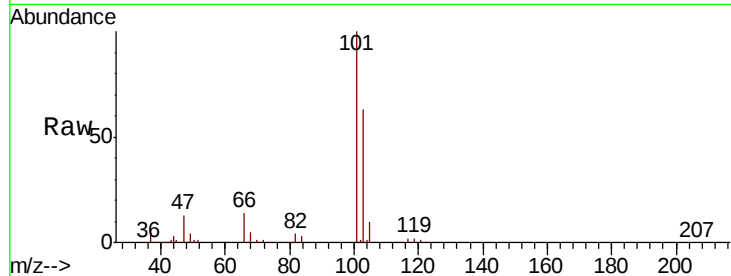
Trichlorofluoromethane
Concen: 47.312 ug/l
RT: 2.99 min Scan# 377
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	287563		
103	63.2	51.9	77.9	

Manual Integrations
APPROVED

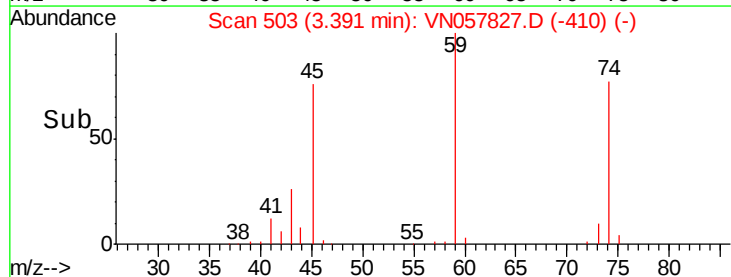
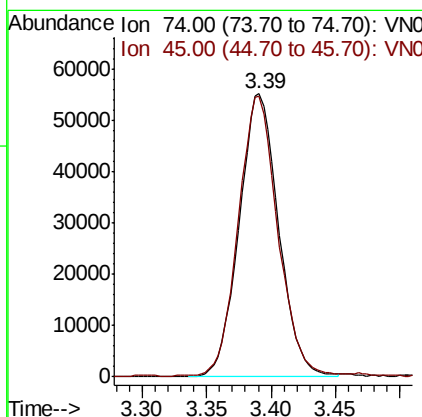
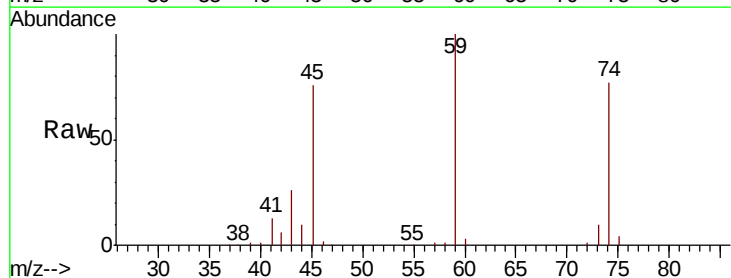
MMDadoda
9/13/2019 5:16:20 AM

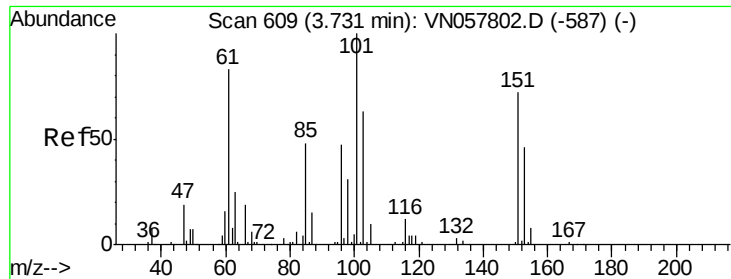


#8

Diethyl Ether
Concen: 46.476 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	117820		
45	98.2	50.3	151.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.535 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

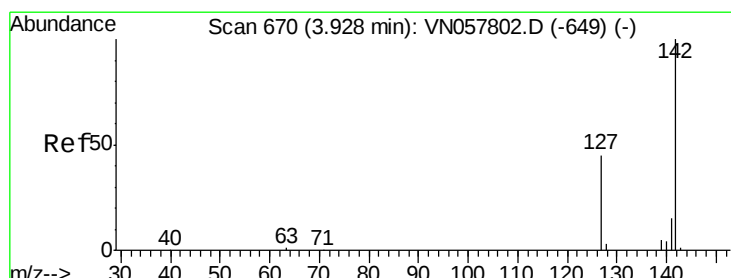
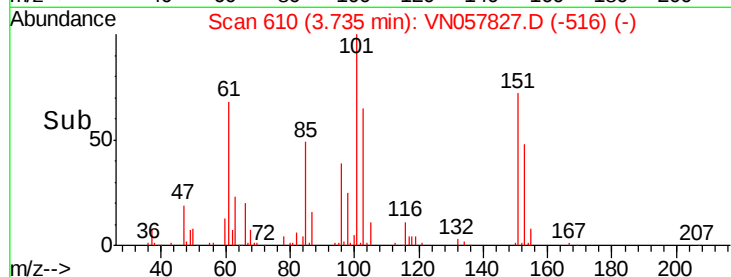
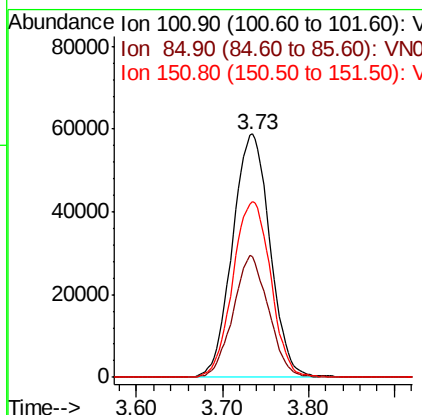
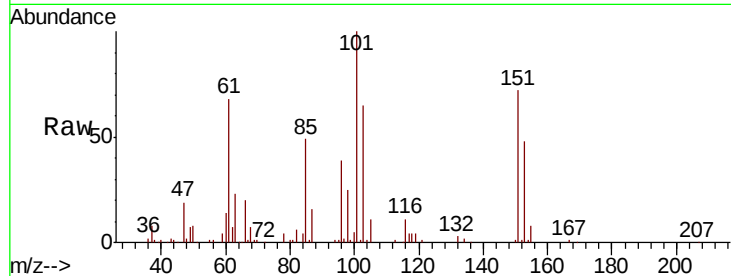
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	178424
Ion Ratio	Lower	Upper	
101	100		
85	47.3	38.1	57.1
151	72.8	58.4	87.6

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:16:20 AM



#10

Methyl Iodide

Concen: 47.663 ug/l

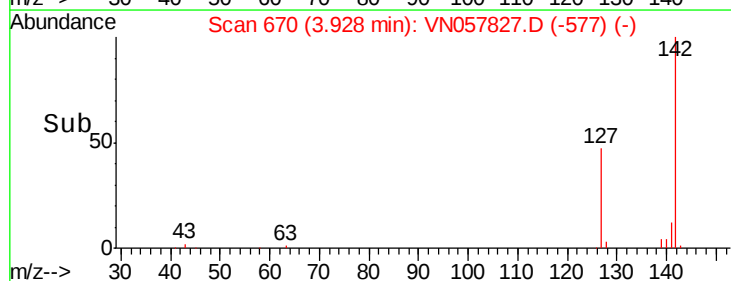
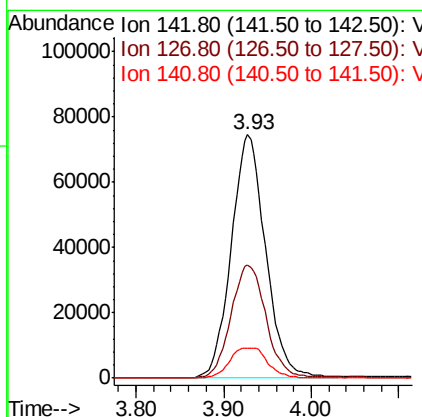
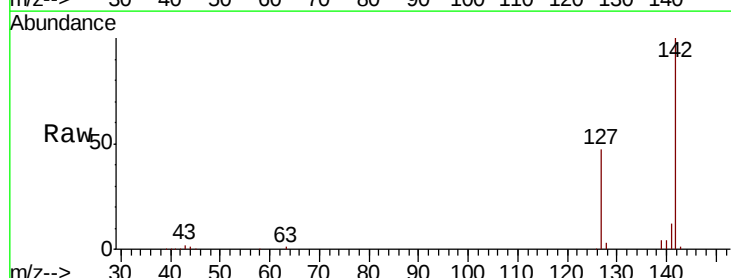
RT: 3.93 min Scan# 670

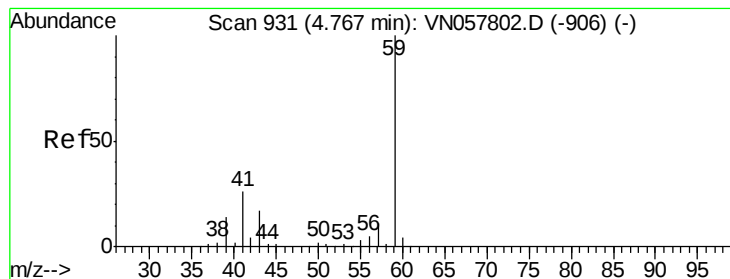
Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Tgt Ion:	142	Resp:	203364
Ion Ratio	Lower	Upper	
142	100		
127	47.5	36.7	55.1
141	13.7	11.4	17.0





#11

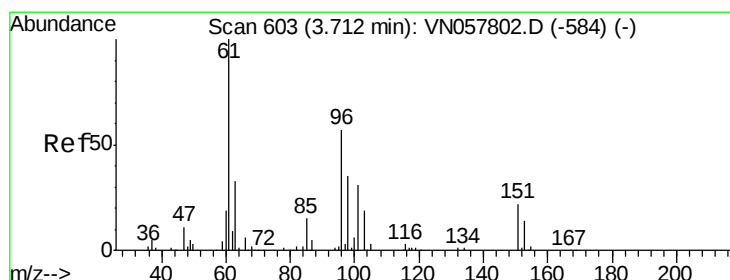
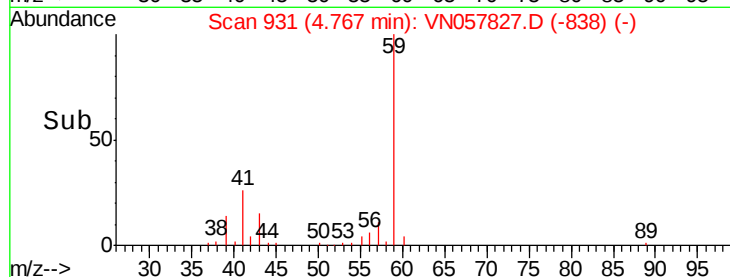
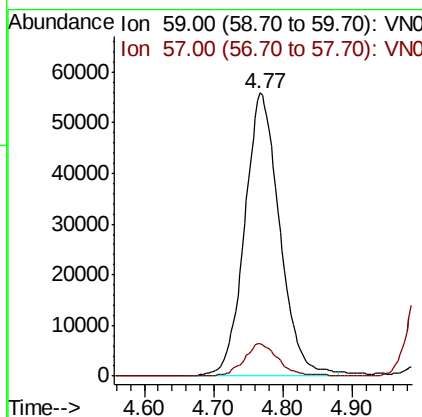
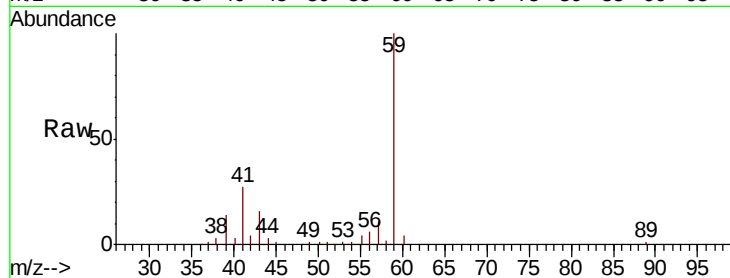
Tert butyl alcohol
 Concen: 246.943 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	11.1	Resp	195988	Lower	8.4	Upper	12.6
Ion	59	57	Ratio	100	11.1	Resp	195988	Lower	8.4	Upper	12.6

Manual Integrations
 APPROVED

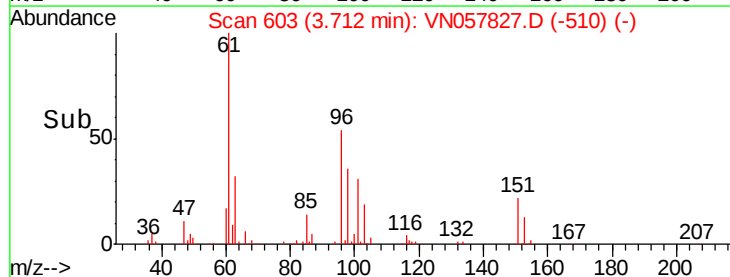
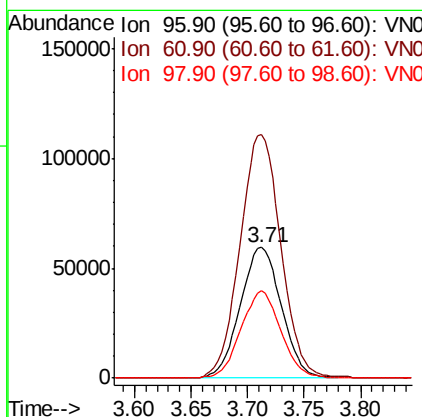
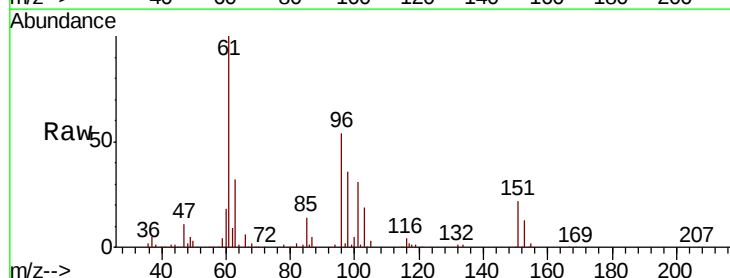
MMDadoda
 9/13/2019 5:16:20 AM

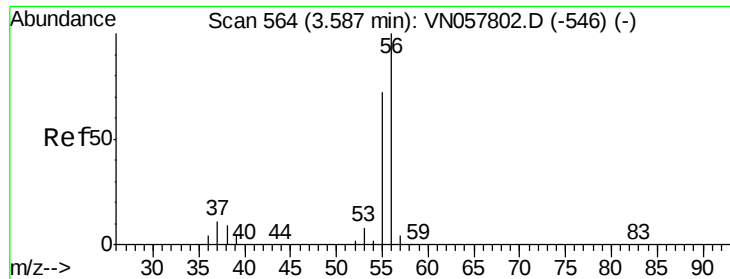


#12

1,1-Dichloroethene
 Concen: 43.778 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion	96	61	98	Ratio	100	186.2	66.5	Resp	150921	Lower	141.2	49.9	Upper	211.8	74.9
Ion	96	61	98	Ratio	100	186.2	66.5	Resp	150921	Lower	141.2	49.9	Upper	211.8	74.9





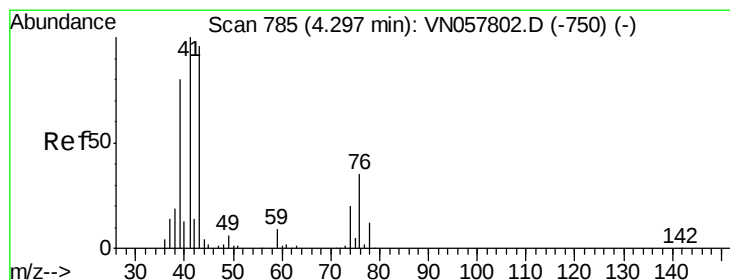
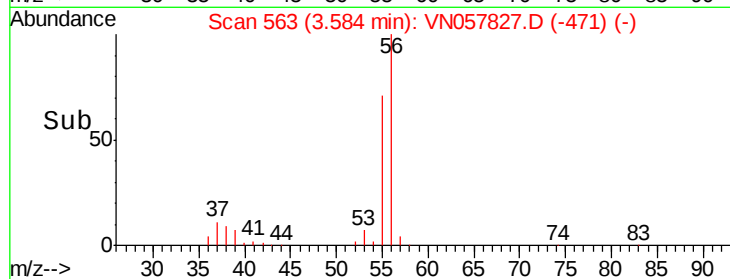
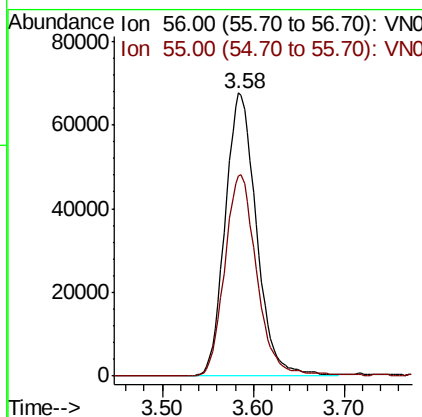
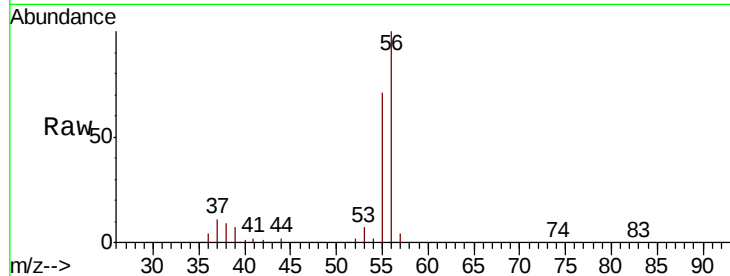
#13
Acrolein
Concen: 239.878 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.0	57.3	85.9

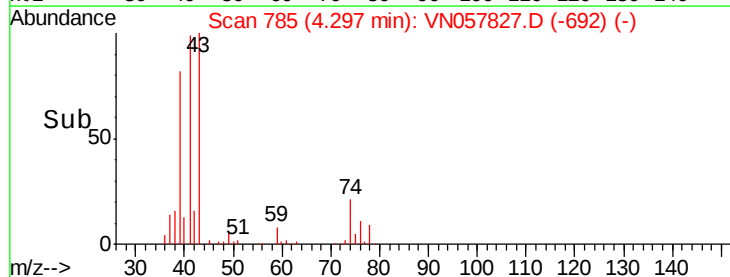
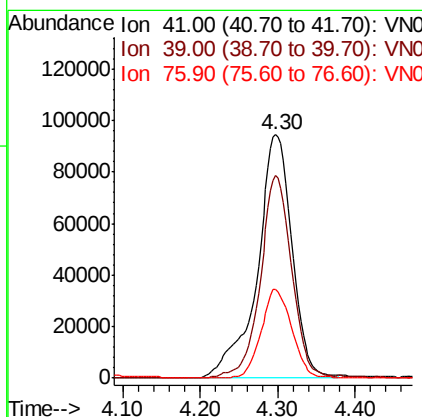
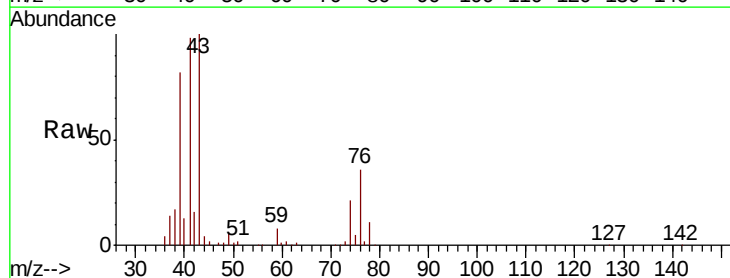
Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:16:20 AM



#14
Allyl chloride
Concen: 43.908 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.5	59.4	89.2
76	31.9	26.0	39.0





#15

Acrylonitrile

Concen: 243.678 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

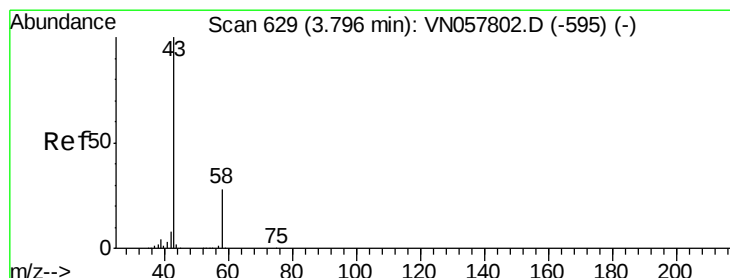
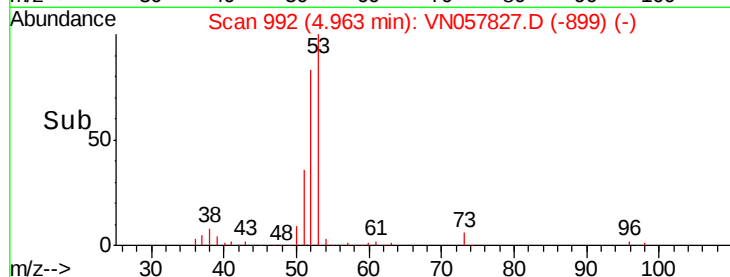
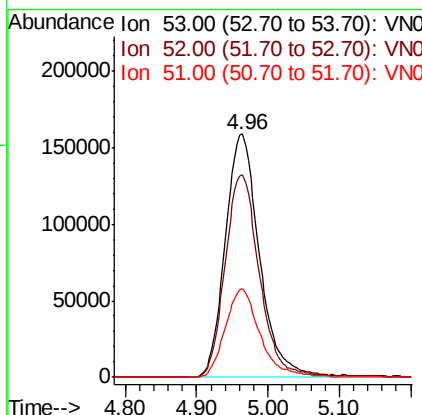
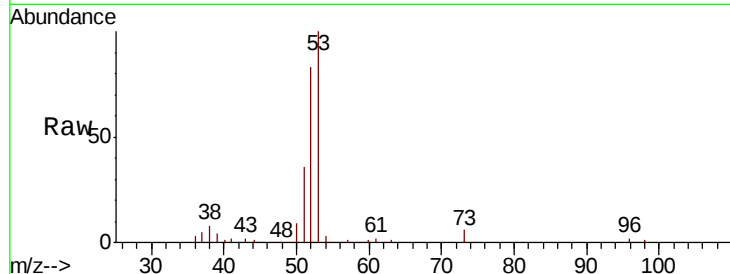
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	531569
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.6	100.0
51	37.0	29.8	44.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:16:20 AM



#16

Acetone

Concen: 203.415 ug/l

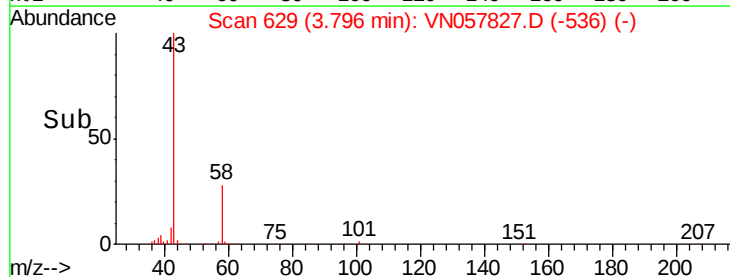
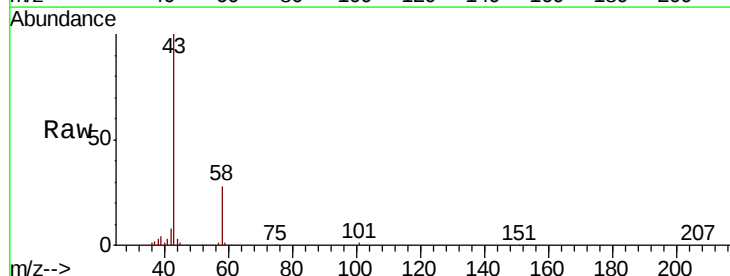
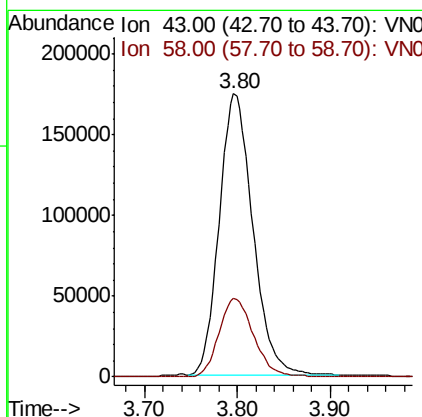
RT: 3.80 min Scan# 629

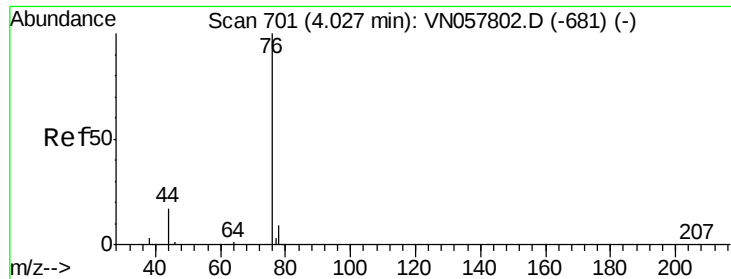
Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Tgt Ion:	43	Resp:	437270
Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.2	33.2





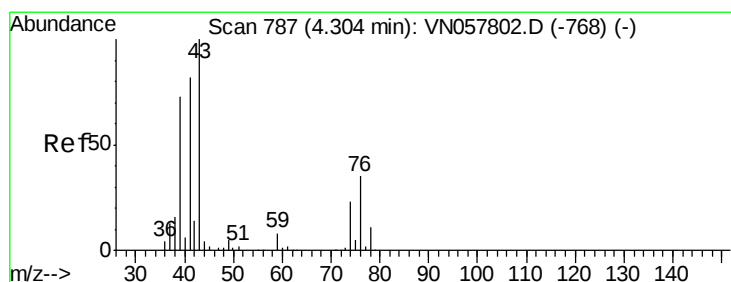
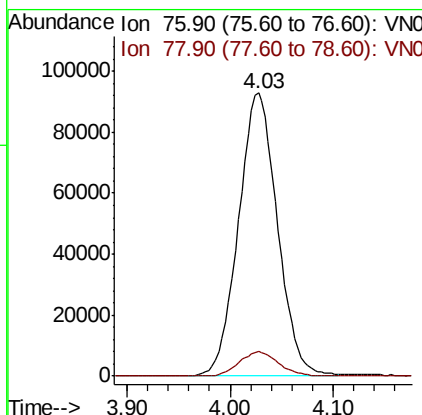
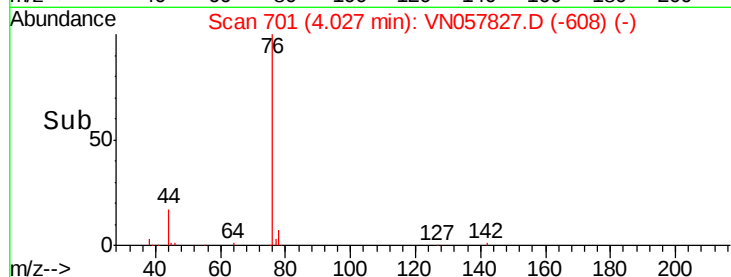
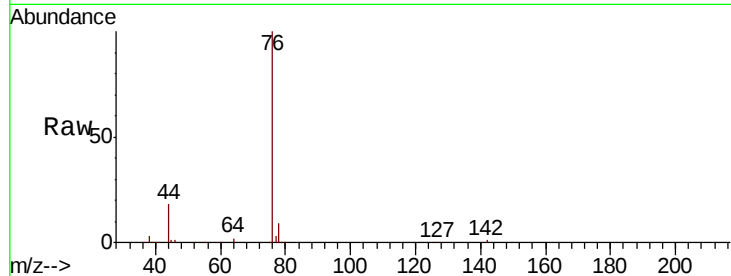
#17
Carbon Disulfide
Concen: 45.436 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 243710
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7

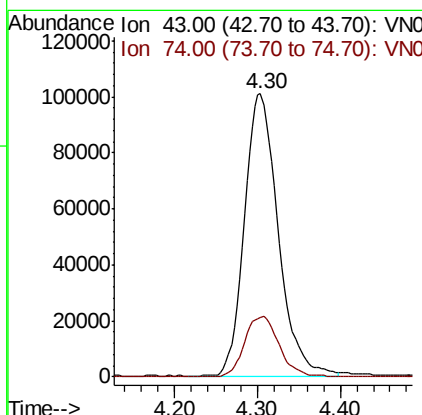
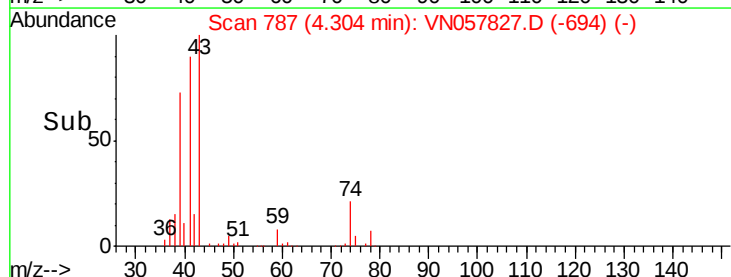
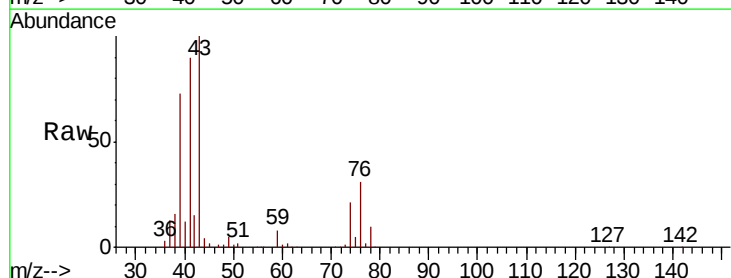
Manual Integrations
APPROVED

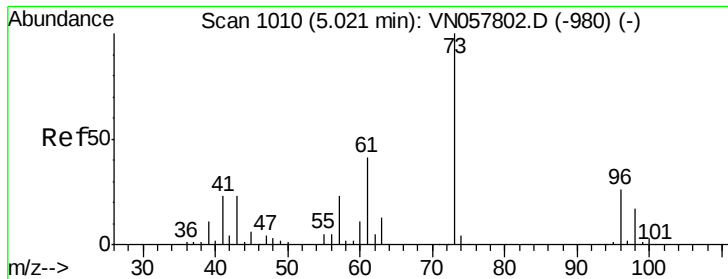
MMDadoda
9/13/2019 5:16:20 AM



#18
Methyl Acetate
Concen: 49.726 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion: 43 Resp: 285008
Ion Ratio Lower Upper
43 100
74 22.0 17.9 26.9





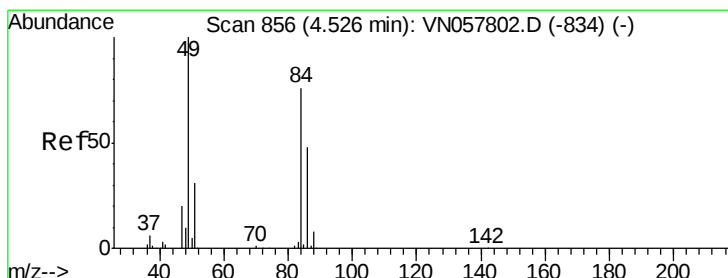
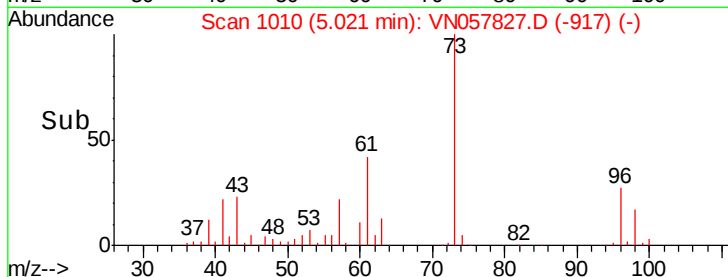
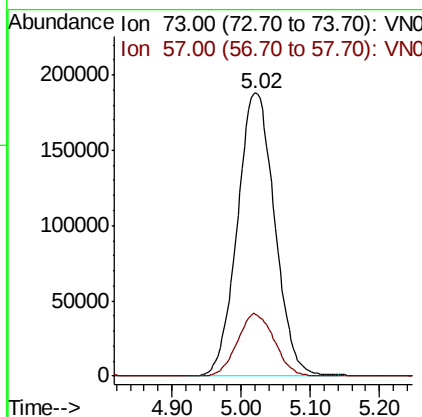
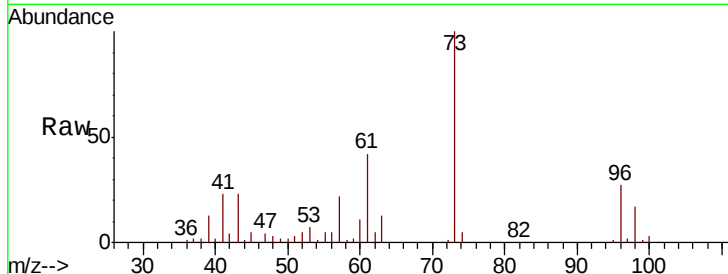
#19
Methvl tert-butvl Ether
Concen: 49.133 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 704903
Ion Ratio Lower Upper
73 100
57 22.0 18.2 27.2

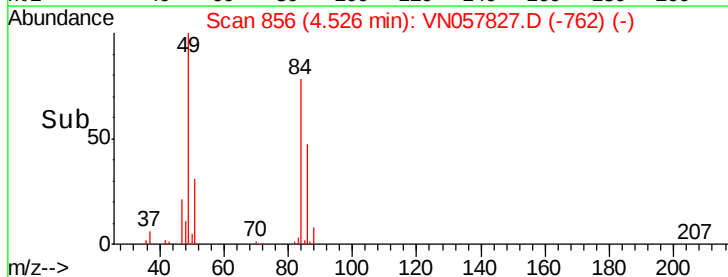
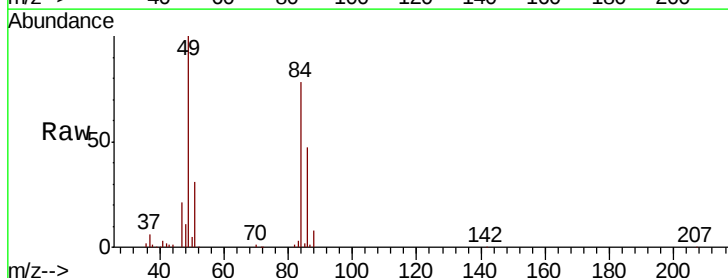
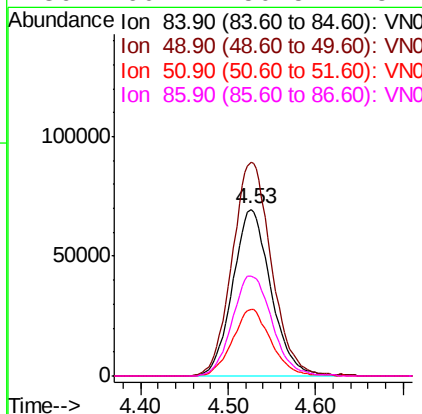
Manual Integrations
APPROVED

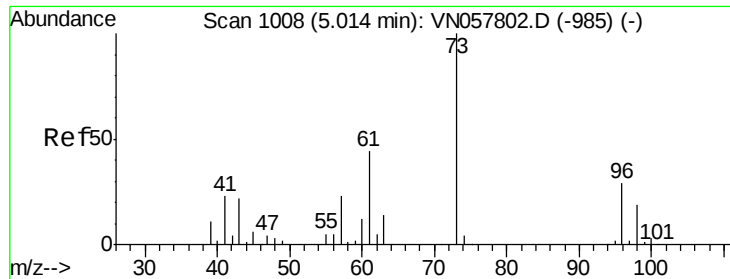
MMDadoda
9/13/2019 5:16:20 AM



#20
Methylene Chloride
Concen: 51.605 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion: 84 Resp: 211023
Ion Ratio Lower Upper
84 100
49 127.9 104.8 157.2
51 40.1 33.0 49.4
86 60.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 46.068 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 171680

Ion Ratio Lower Upper

96 100

61 151.4 121.9 182.9

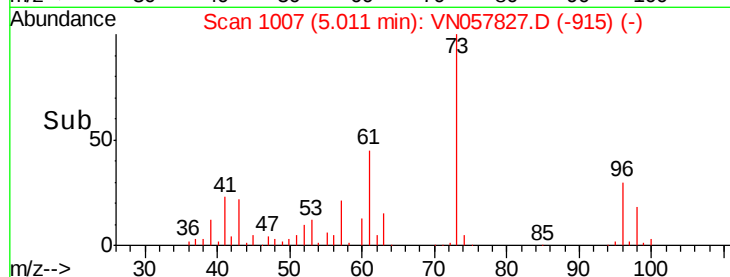
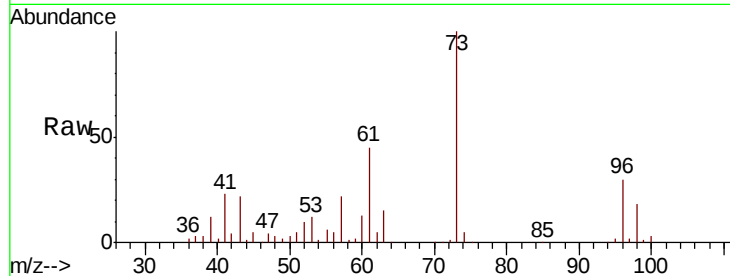
98 61.2 52.2 78.4

Manual Integrations

APPROVED

MMDadoda

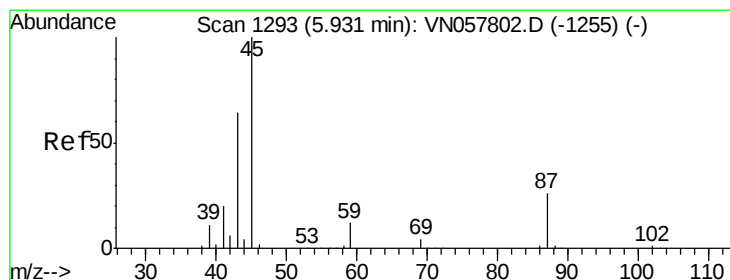
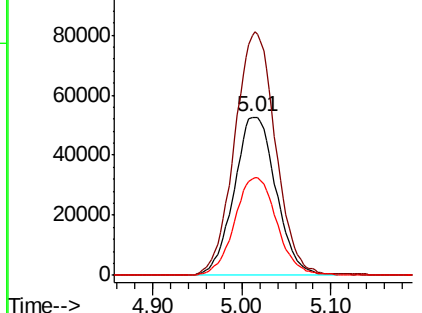
9/13/2019 5:16:20 AM



Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 49.027 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Tgt Ion: 45 Resp: 775676

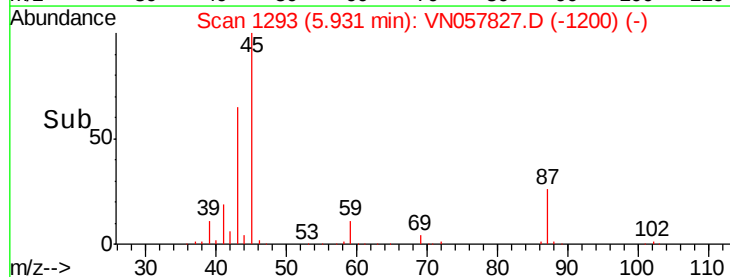
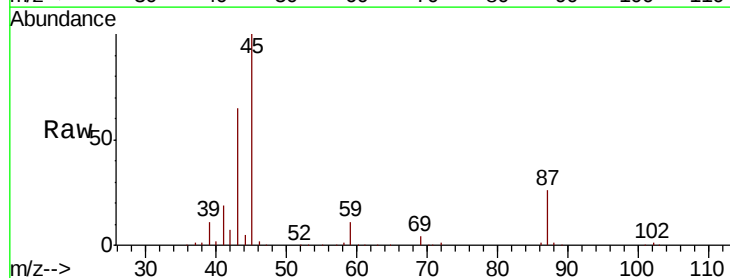
Ion Ratio Lower Upper

45 100

43 63.8 51.4 77.2

87 26.2 21.3 31.9

59 11.0 9.3 13.9

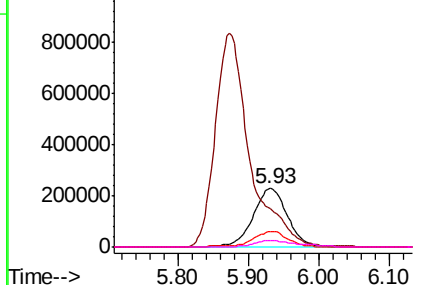


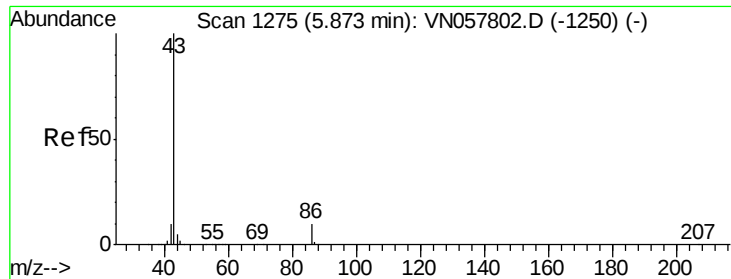
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 254.038 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2848452

Ion Ratio Lower Upper

43 100

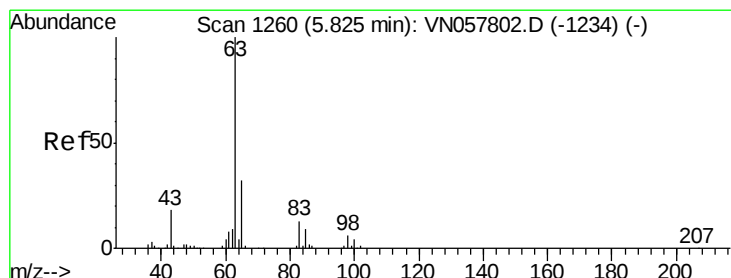
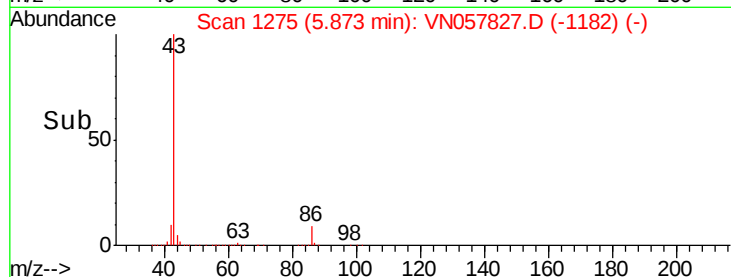
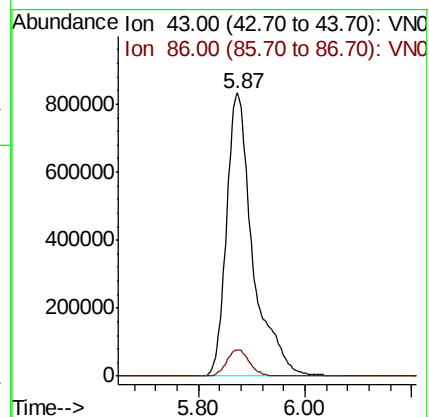
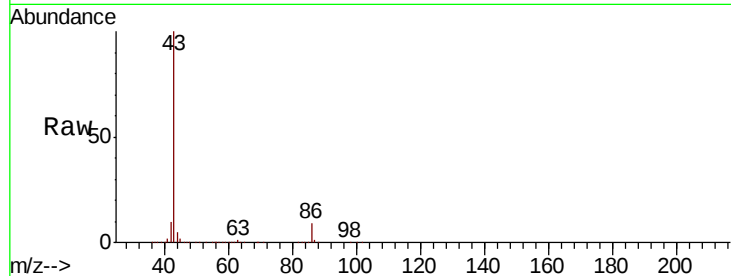
86 9.4 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

9/13/2019 5:16:20 AM



#24

1,1-Dichloroethane

Concen: 47.566 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

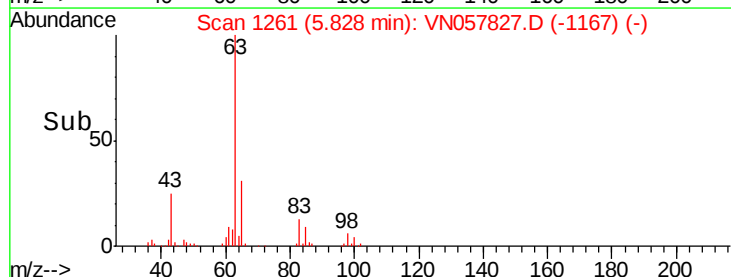
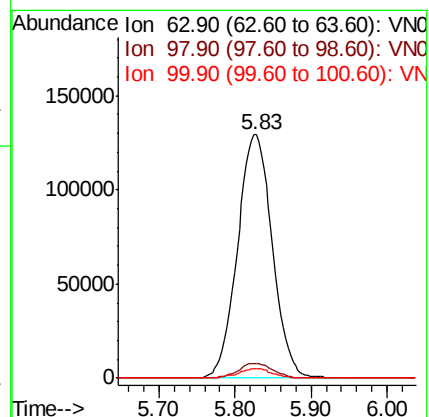
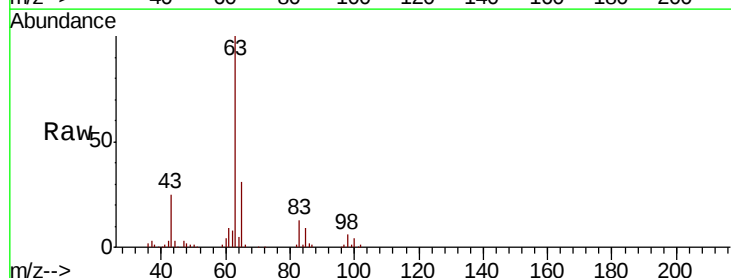
Tgt Ion: 63 Resp: 411300

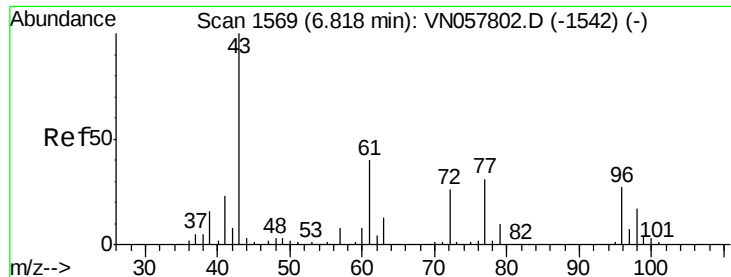
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.7 2.0 5.8





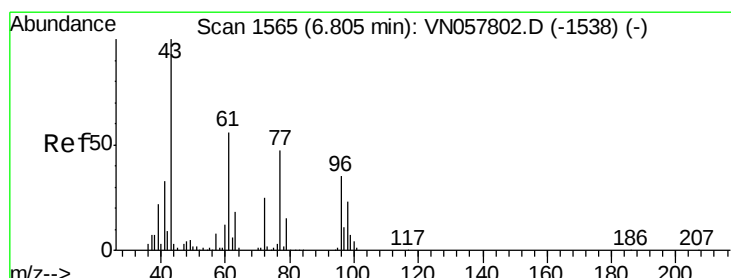
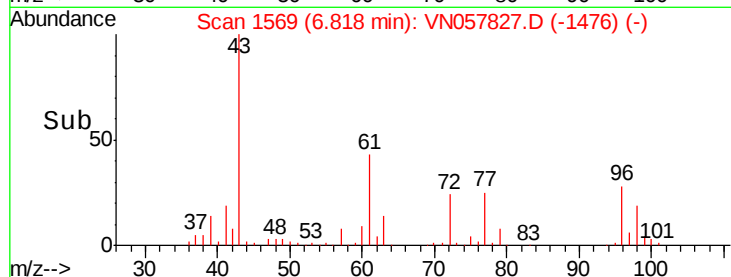
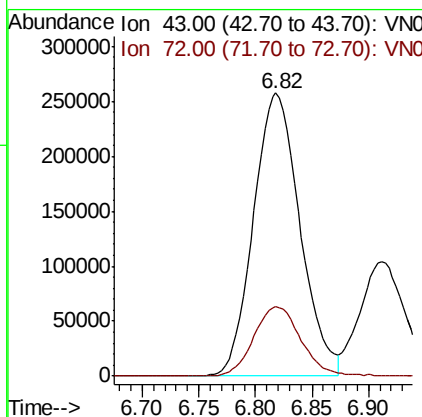
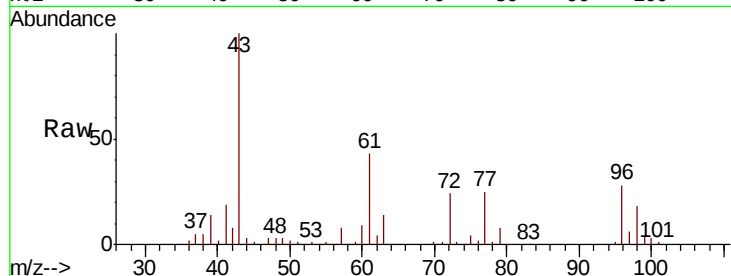
#25
2-Butanone
Concen: 235.319 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 732146
Ion Ratio Lower Upper
43 100
72 24.5 20.6 30.8

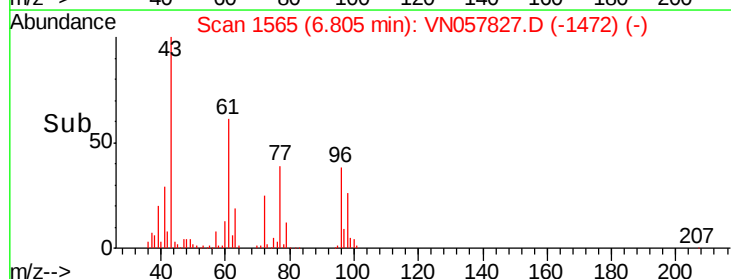
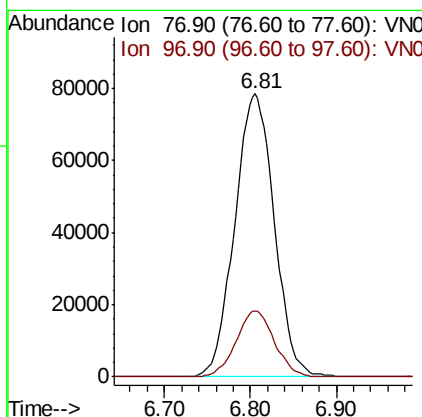
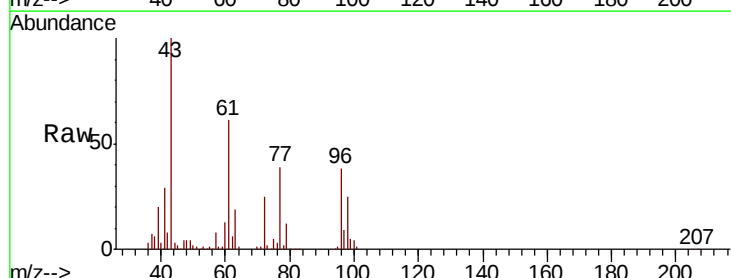
Manual Integrations
APPROVED

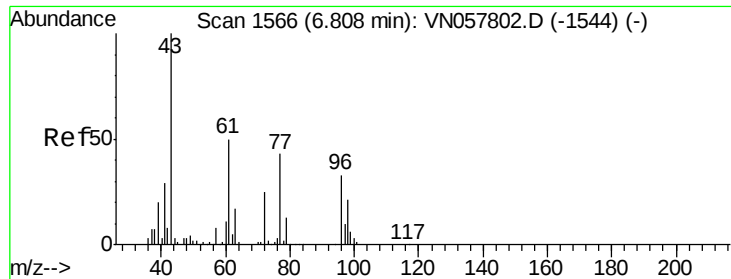
MMDadoda
9/13/2019 5:16:20 AM



#26
2,2-Dichloropropane
Concen: 36.570 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion: 77 Resp: 250245
Ion Ratio Lower Upper
77 100
97 22.5 11.1 33.3





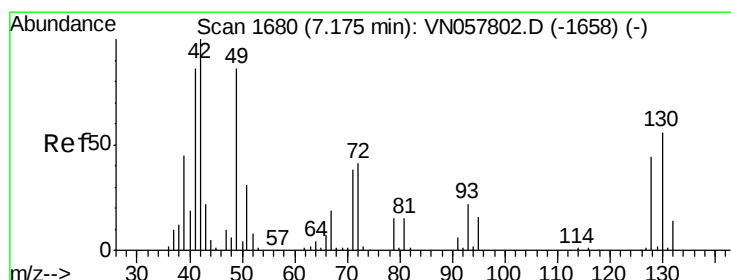
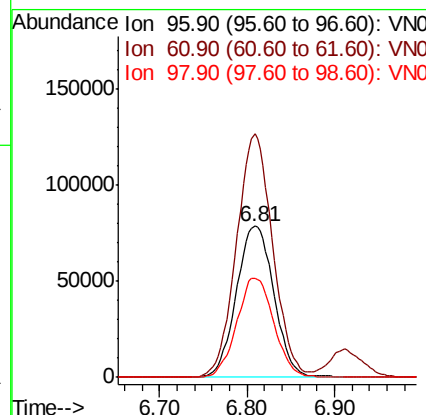
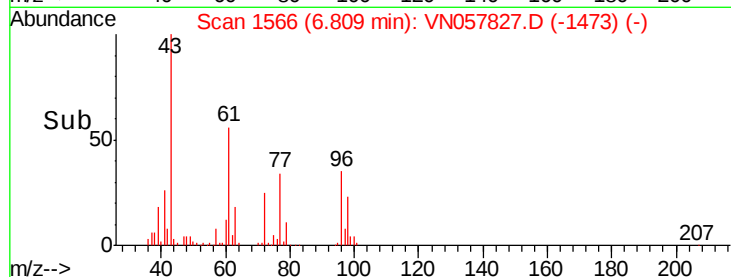
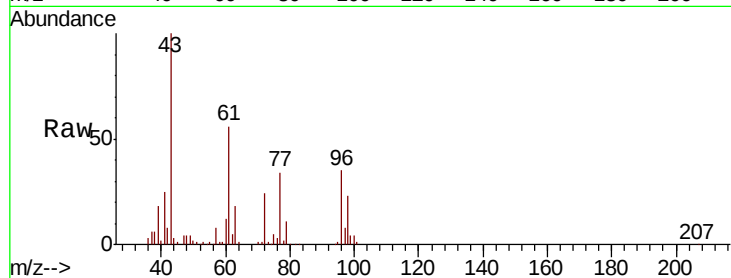
#27
 cis-1,2-Dichloroethene
 Concen: 46.763 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	233543		
61	155.3	0.0	314.0	
98	64.8	0.0	128.6	

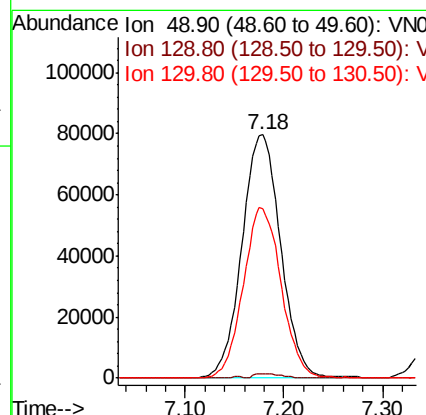
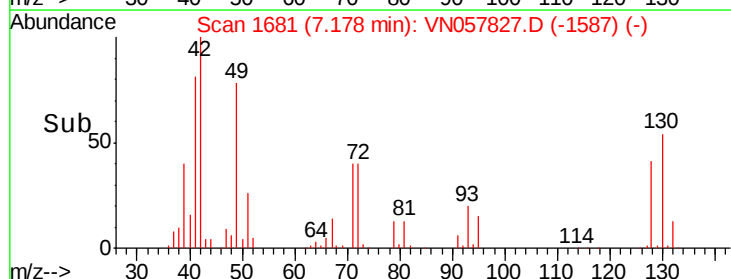
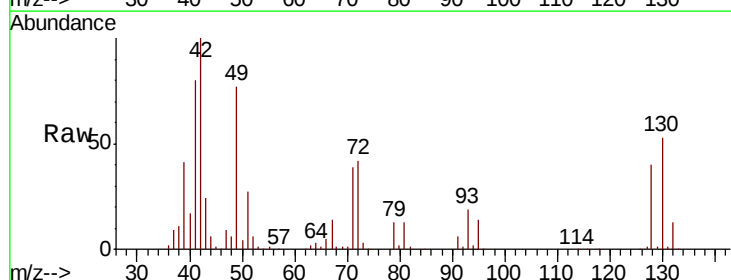
Manual Integrations
 APPROVED

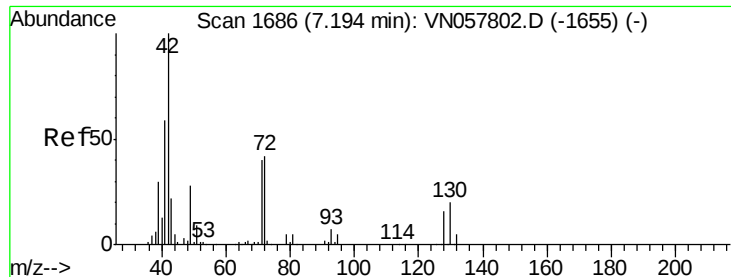
MMDadoda
 9/13/2019 5:16:20 AM



#28
 Bromochloromethane
 Concen: 50.220 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	216943		
129	1.3	0.0	3.8	
130	68.4	53.0	79.6	





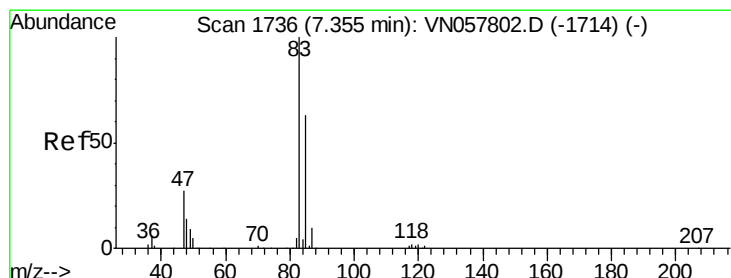
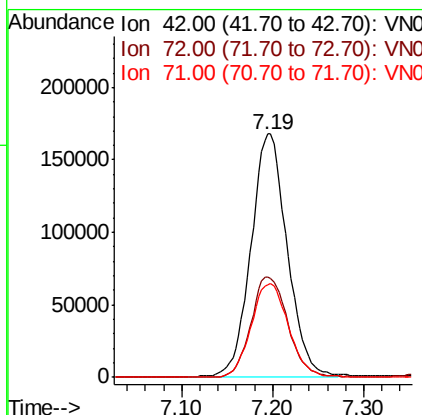
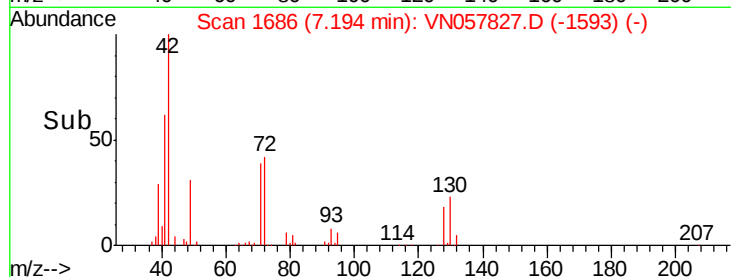
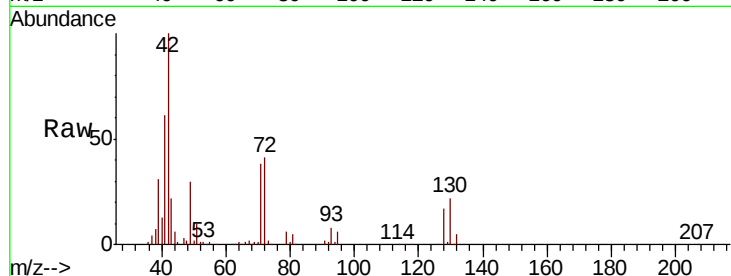
#29
Tetrahydrofuran
Concen: 242.005 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.7	50.5
71	39.9	31.9	47.9

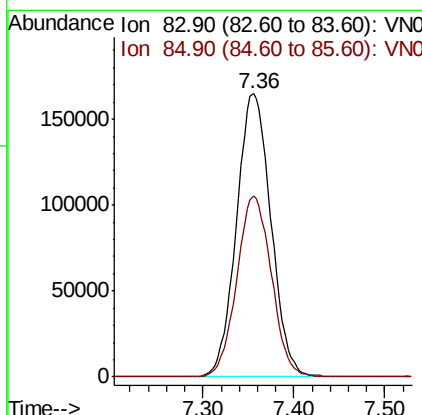
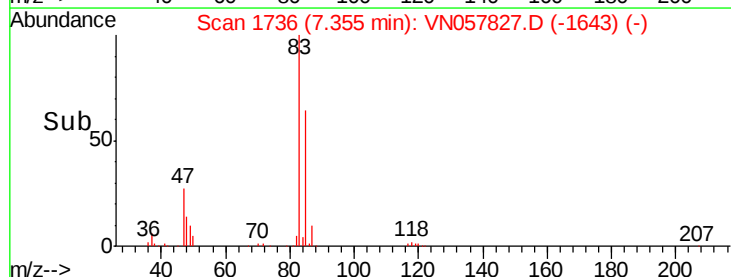
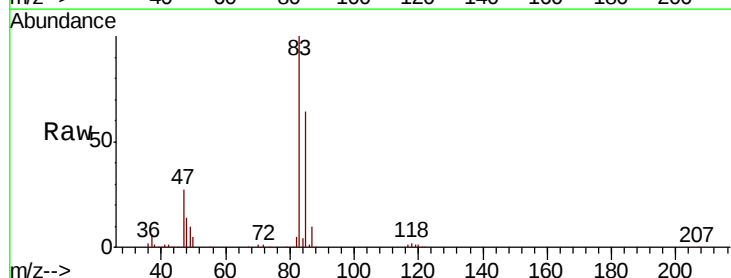
Manual Integrations
APPROVED

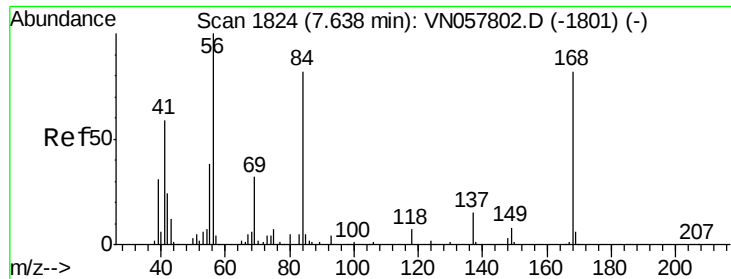
MMDadoda
9/13/2019 5:16:20 AM



#30
Chloroform
Concen: 48.004 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.6	75.8





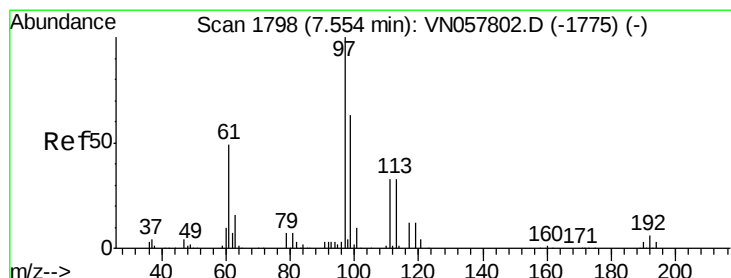
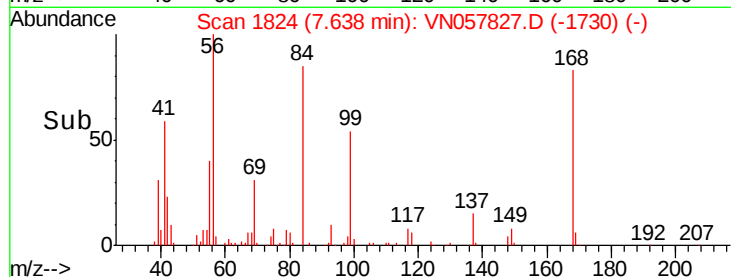
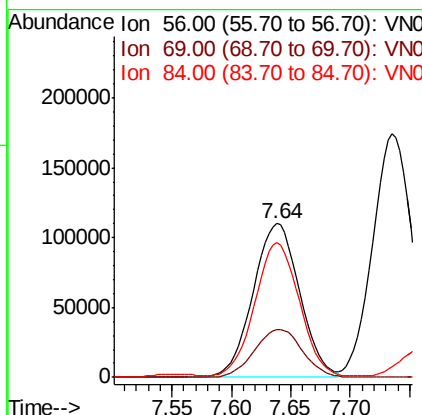
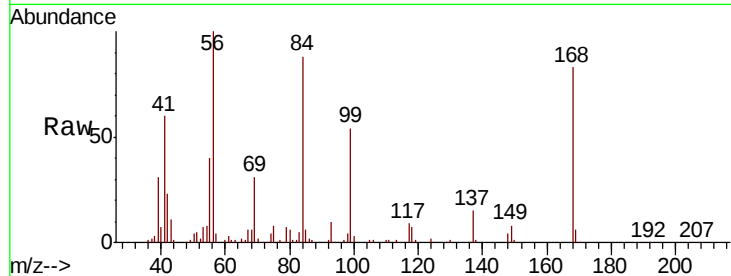
#31
Cyclohexane
Concen: 50.630 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
56	100	298169		
69	31.2		25.9	38.9
84	86.2		65.6	98.4

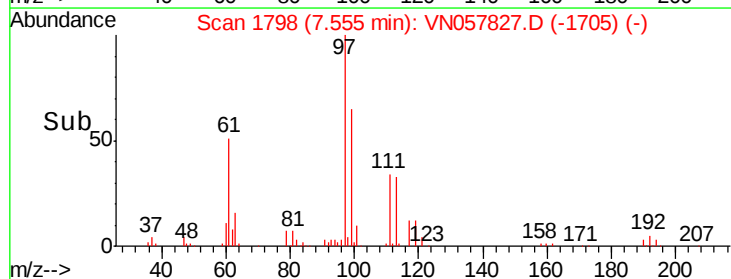
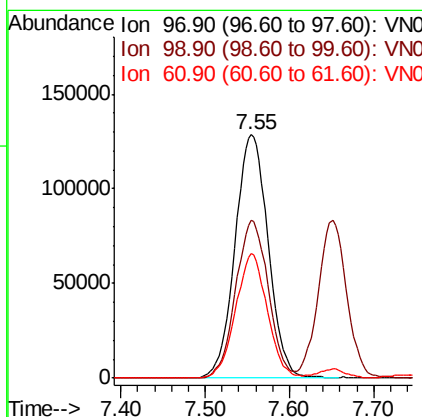
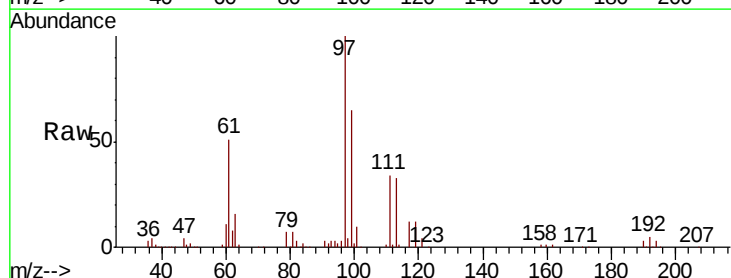
Manual Integrations
APPROVED

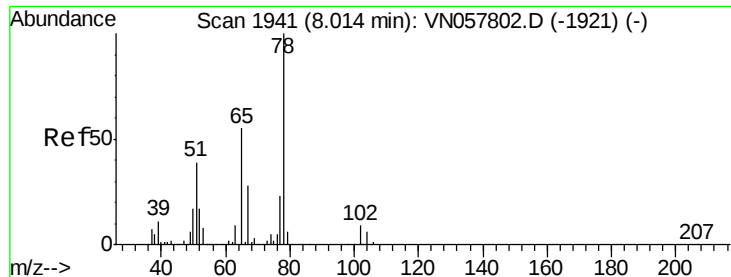
MMDadoda
9/13/2019 5:16:20 AM



#32
1,1,1-Trichloroethane
Concen: 49.028 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	351557		
99	63.6		51.0	76.4
61	49.0		39.0	58.6





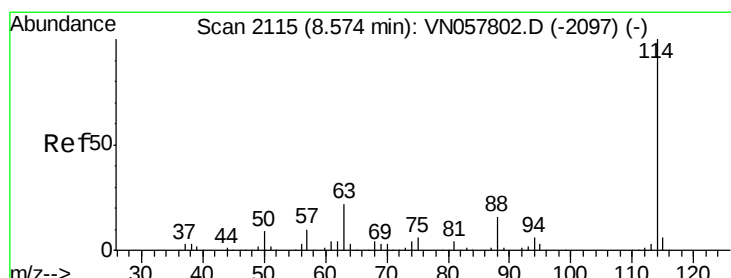
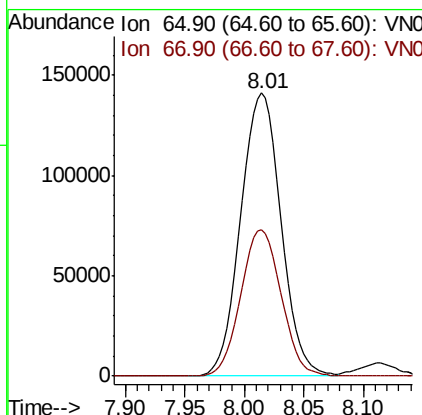
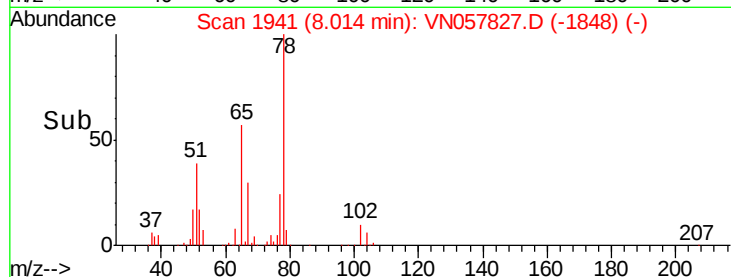
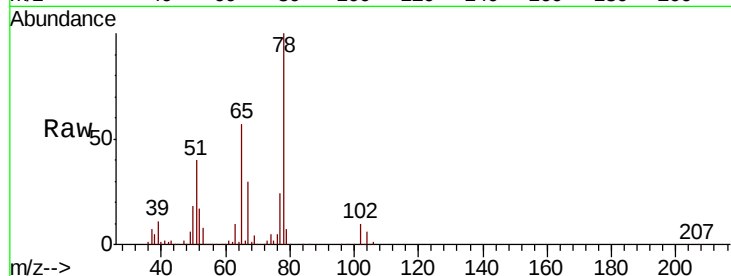
#33
 1,2-Dichloroethane-d4
 Concen: 50.721 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	332600		
67	51.8	0.0	104.0	

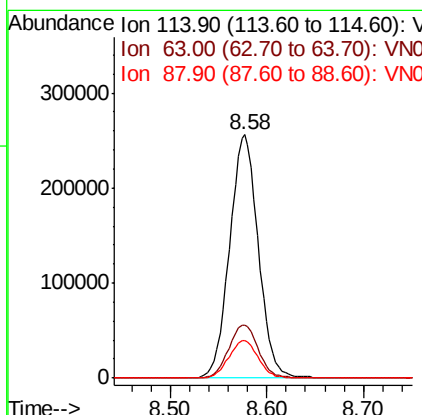
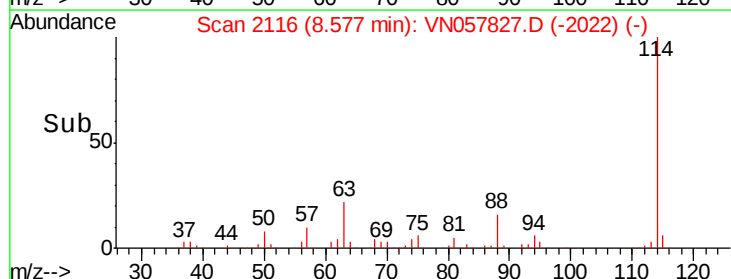
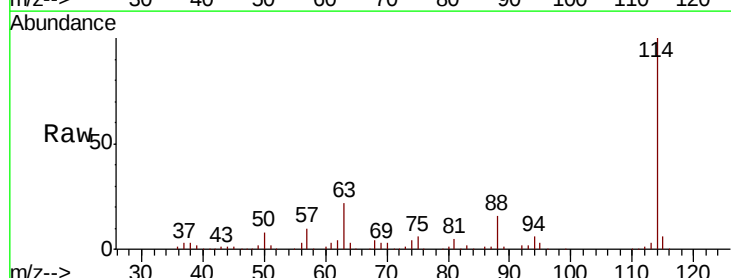
Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:16:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	528035		
63	22.0	0.0	44.0	
88	15.7	0.0	31.4	





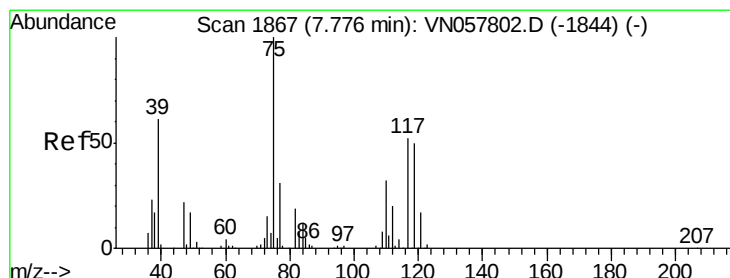
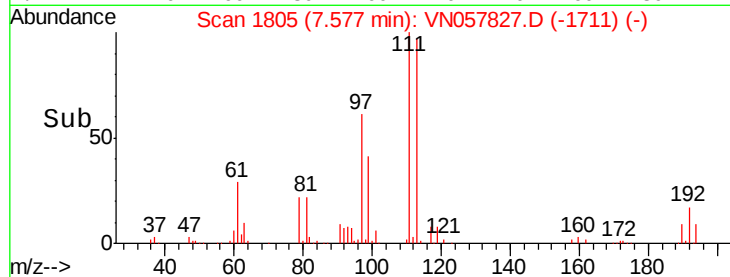
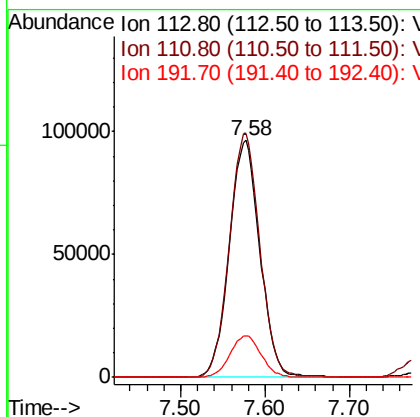
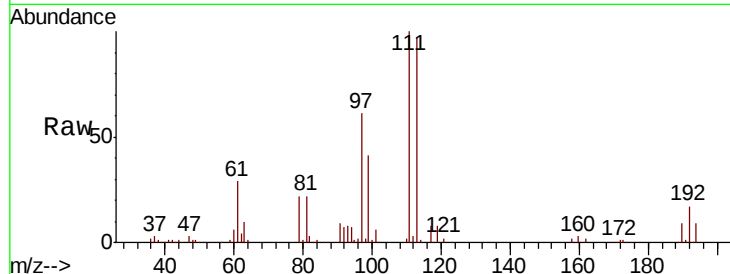
#35
 Dibromofluoromethane
 Concen: 49.866 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	243023		
111	103.1	81.3	121.9	
192	17.8	14.6	22.0	

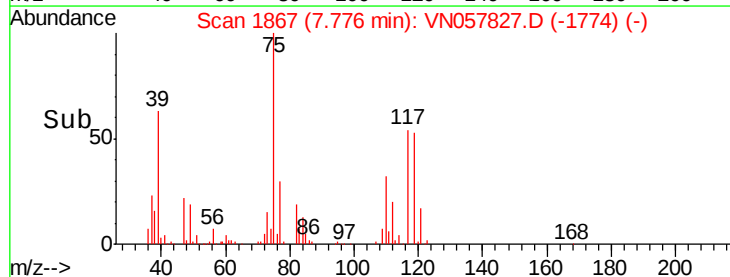
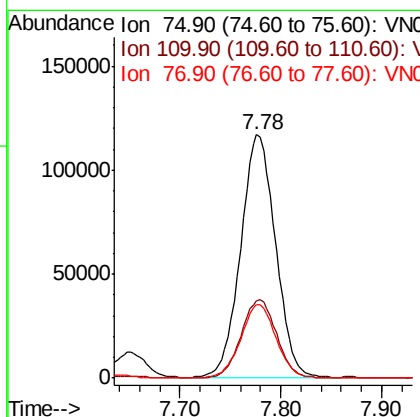
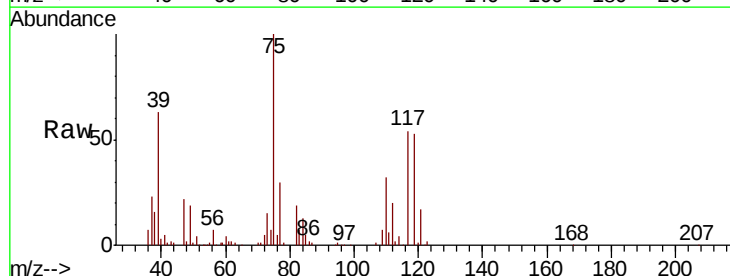
Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:16:20 AM



#36
 1,1-Dichloropropene
 Concen: 45.629 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	279425		
110	33.0	16.3	48.9	
77	31.0	25.0	37.4	





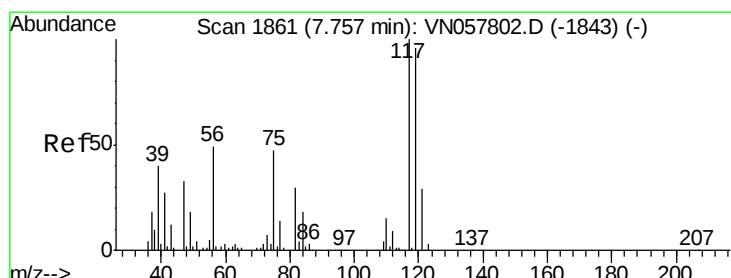
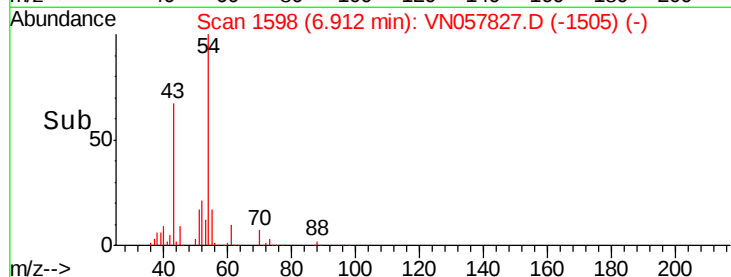
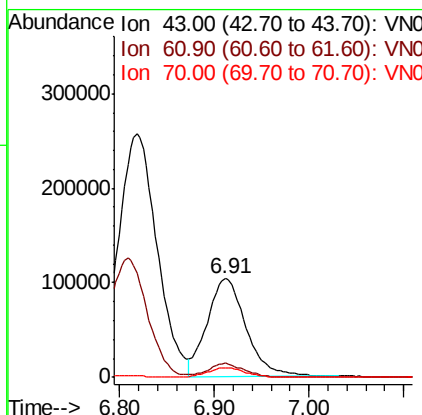
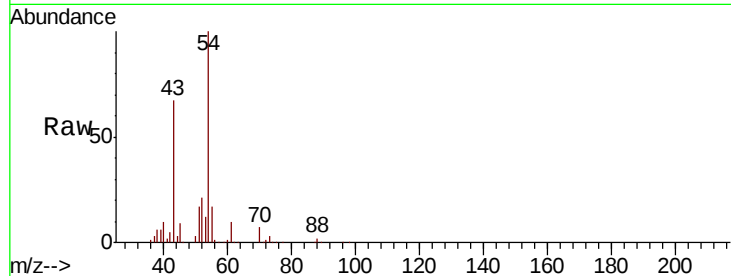
#37
Ethyl Acetate
Concen: 46.902 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	296750		
61	12.8	10.5	15.7	
70	9.7	7.4	11.0	

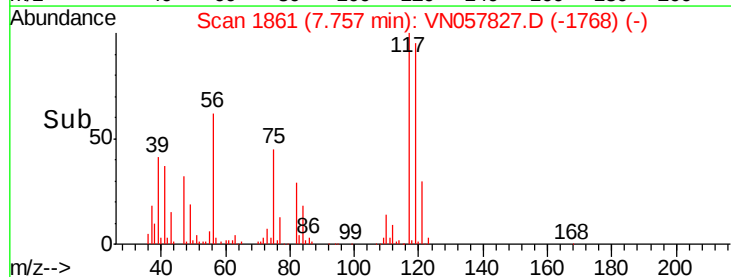
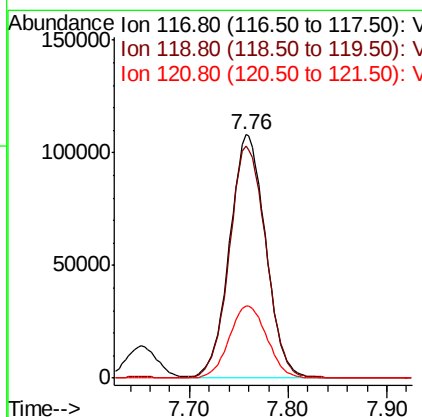
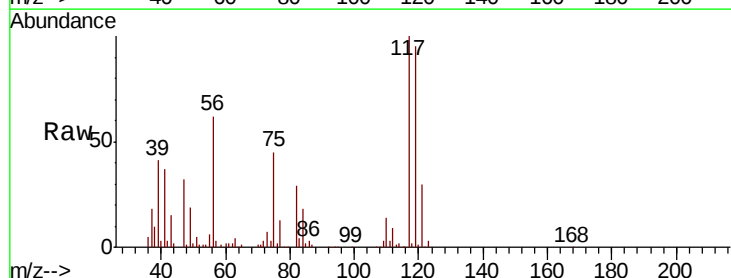
Manual Integrations
APPROVED

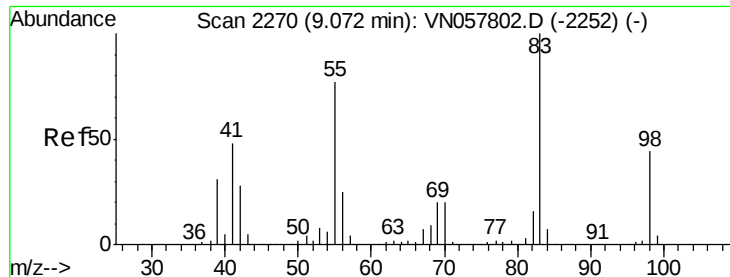
MMDadoda
9/13/2019 5:16:20 AM



#38
Carbon Tetrachloride
Concen: 48.837 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	273049		
119	95.5	76.9	115.3	
121	29.6	23.4	35.2	





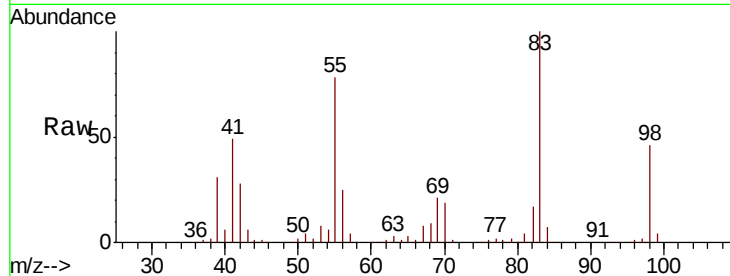
#39
Methvlcvclohexane
Concen: 46.575 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	299826		
55	77.9	61.6	92.4	
98	45.5	34.9	52.3	

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:16:20 AM

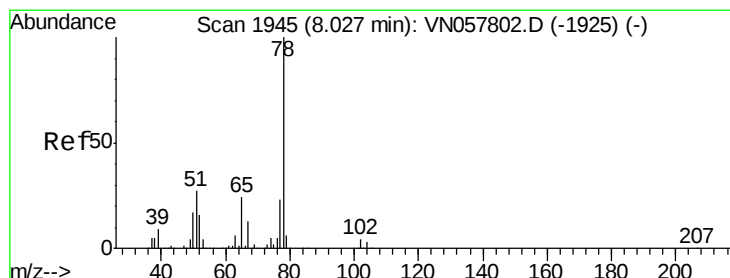
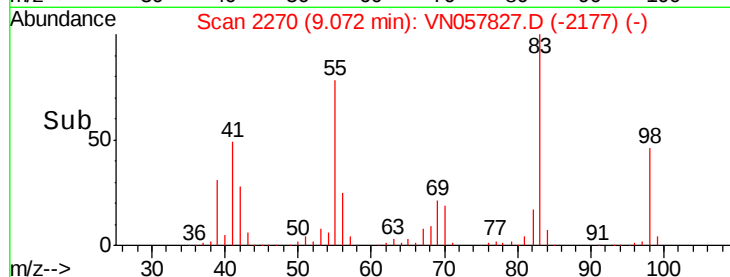
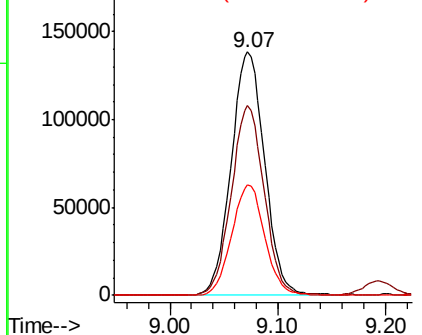


Abundance

Ion 83.00 (82.70 to 83.70): VN0

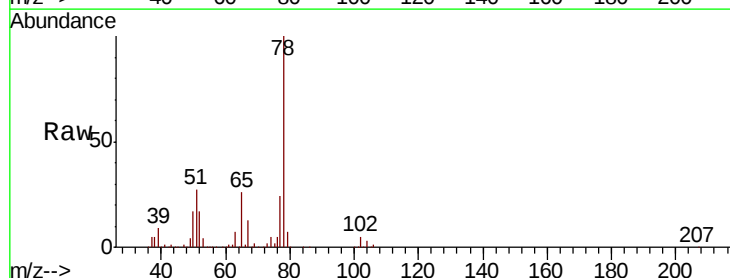
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 47.991 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

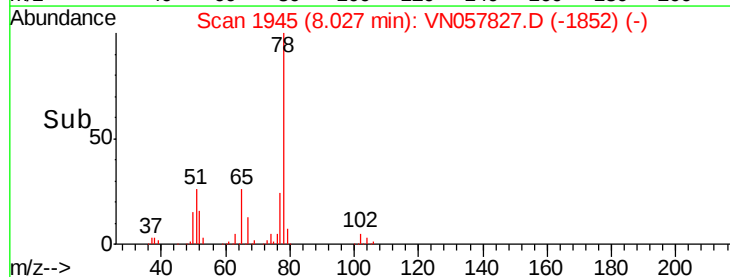
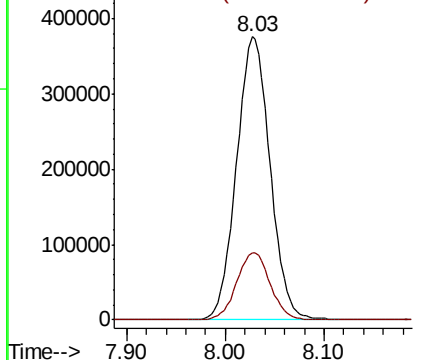
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	884786		
77	23.7	18.3	27.5	

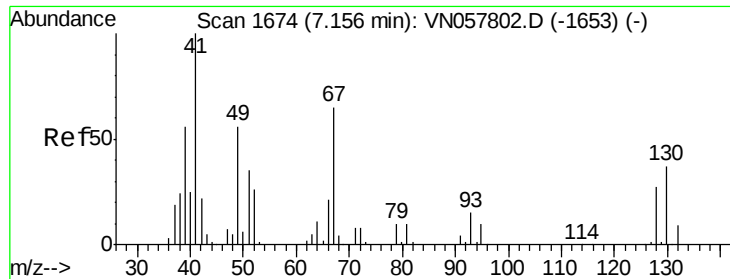


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 52.183 ug/l m

RT: 7.16 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 149872
Ion Ratio Lower Upper

41 100

39 0.0 51.0 76.6#

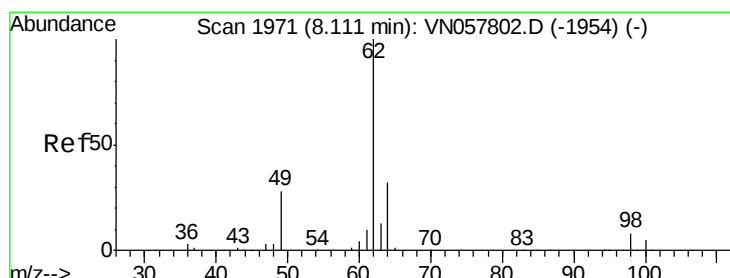
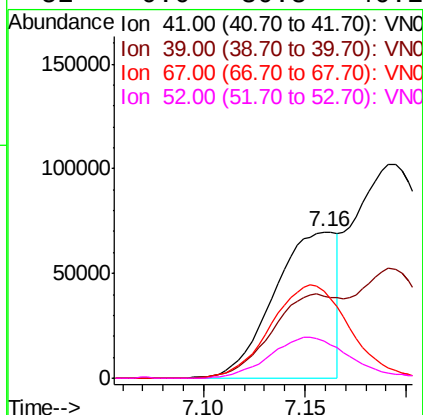
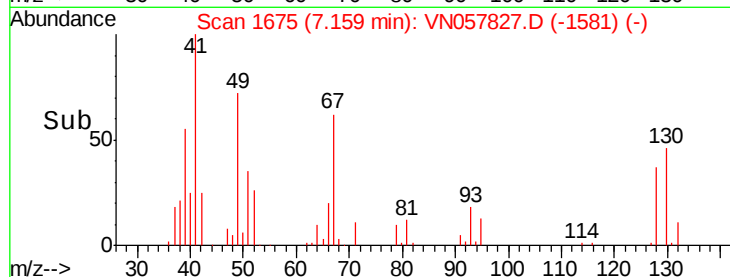
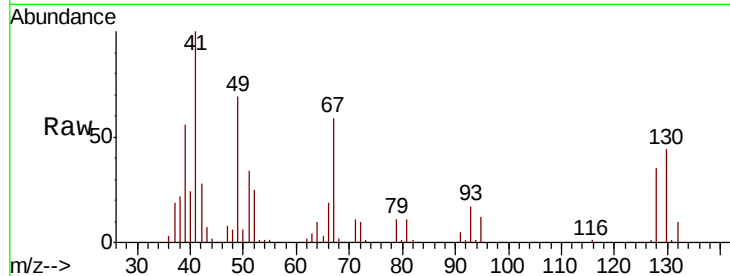
67 0.0 70.7 106.1#

52 0.0 30.8 46.2#

Manual Integrations
APPROVED

MMDadoda

9/13/2019 5:16:20 AM



#42

1,2-Dichloroethane

Concen: 47.694 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

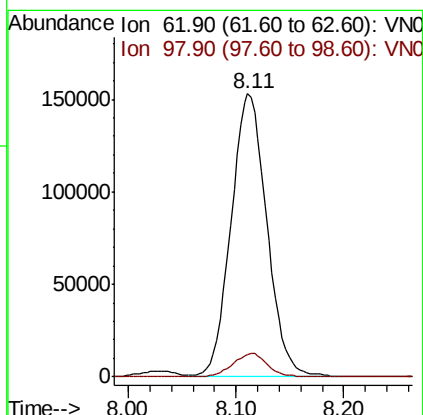
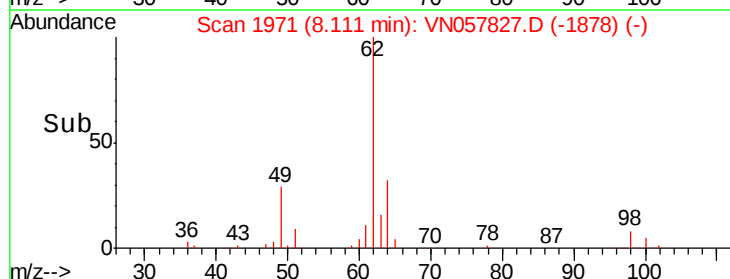
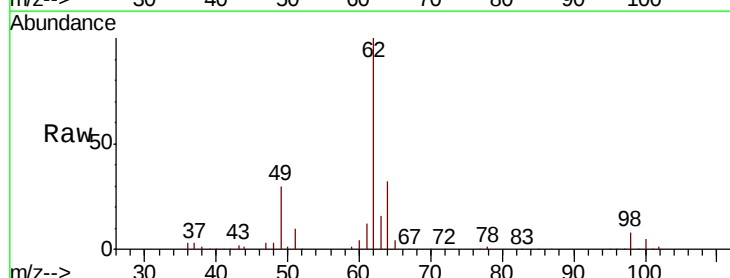
Lab File: VN057827.D

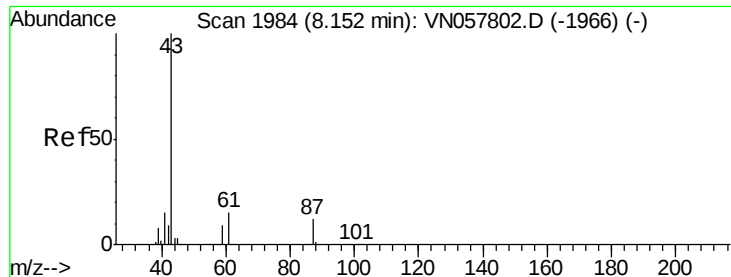
Acq: 10 Sep 2019 1:22

Tgt Ion: 62 Resp: 351672
Ion Ratio Lower Upper

62 100

98 8.1 0.0 15.8





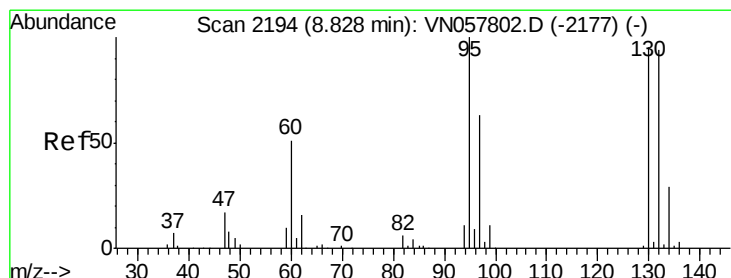
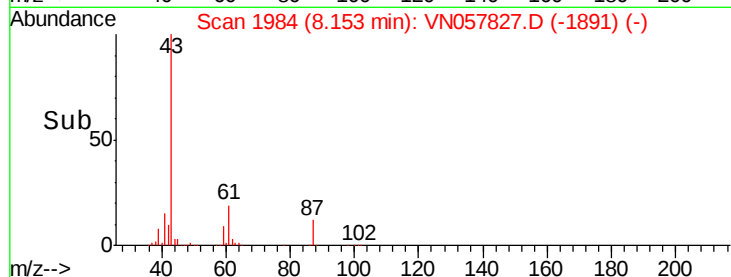
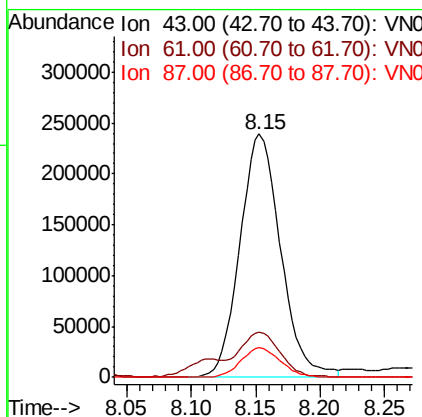
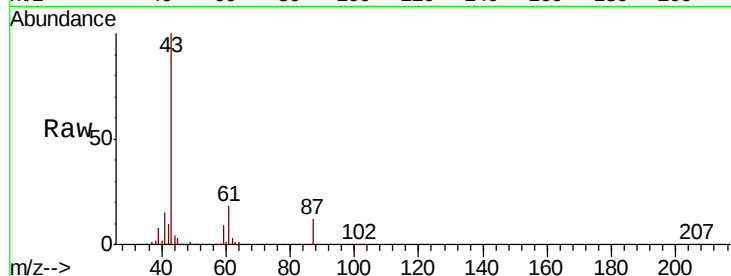
#43
Isopropyl Acetate
Concen: 49.205 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	20.1	30.1#
87	12.0	9.5	14.3

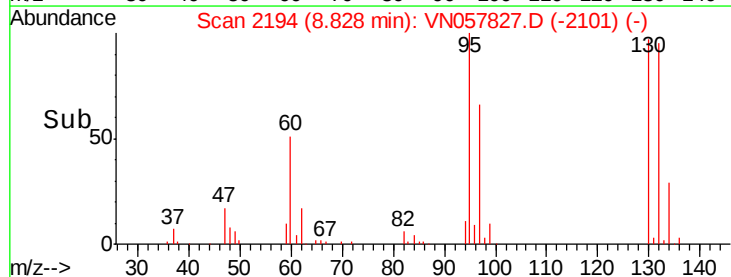
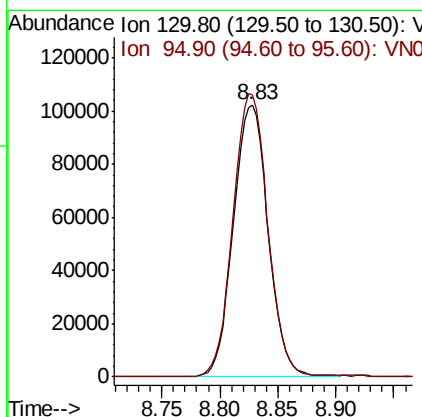
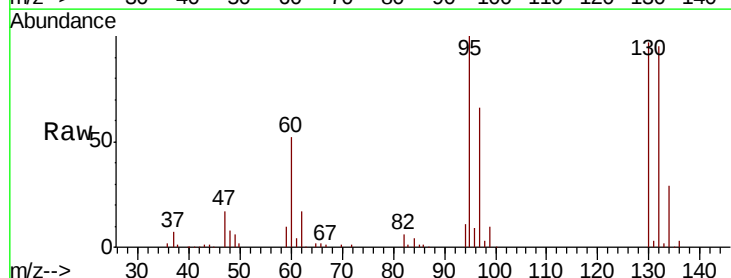
Manual Integrations
APPROVED

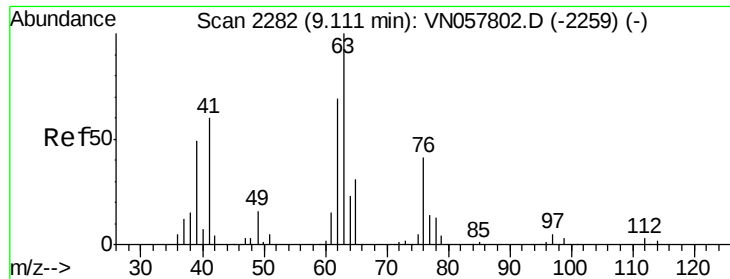
MMDadoda
9/13/2019 5:16:20 AM



#44
Trichloroethene
Concen: 47.186 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	211.4





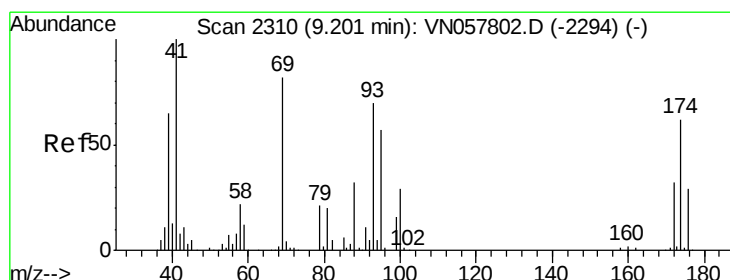
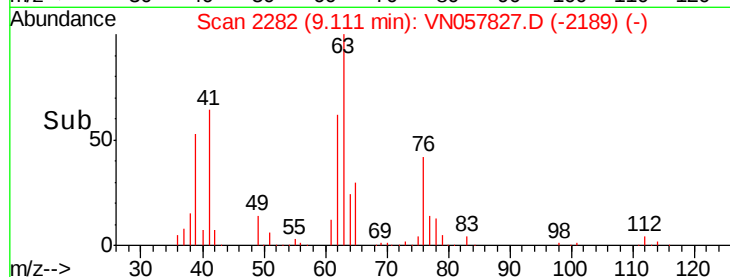
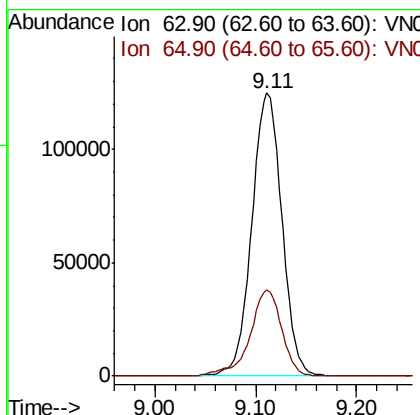
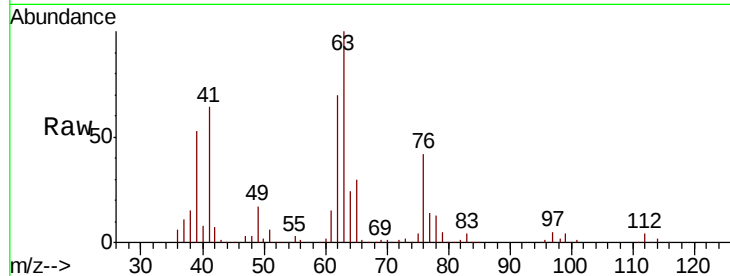
#45
 1,2-Dichloropropane
 Concen: 48.182 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 258483
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.8 37.2

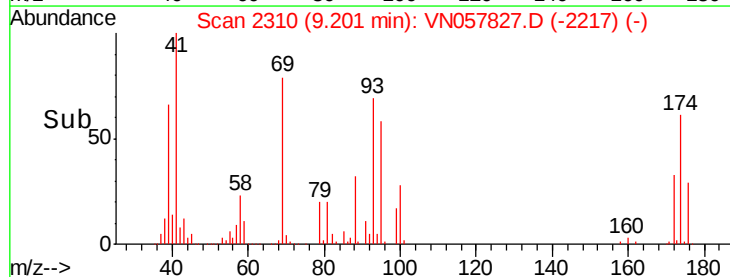
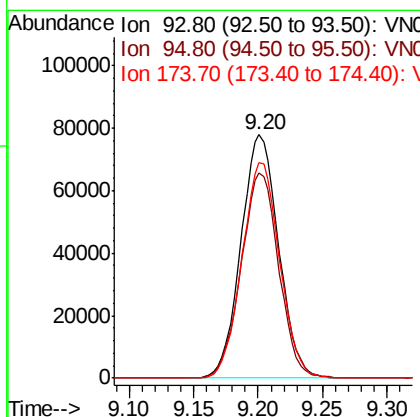
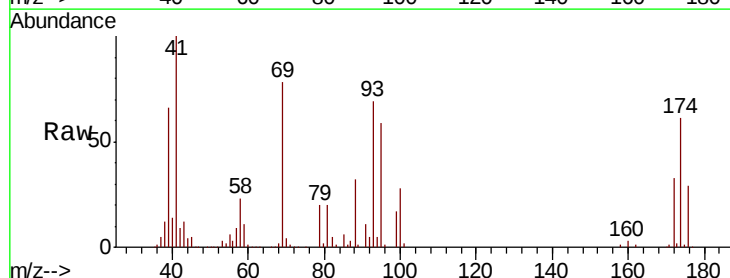
Manual Integrations
 APPROVED

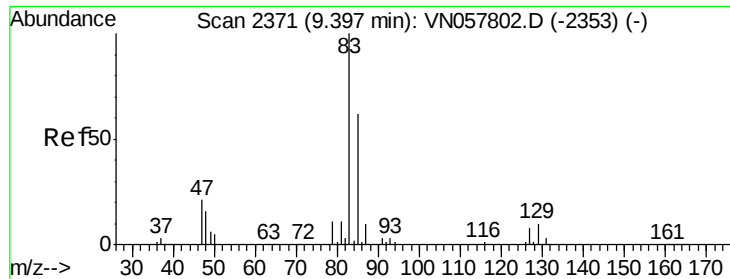
MMDadoda
 9/13/2019 5:16:20 AM



#46
 Dibromomethane
 Concen: 48.729 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion: 93 Resp: 157972
 Ion Ratio Lower Upper
 93 100
 95 84.4 65.9 98.9
 174 89.2 71.8 107.6





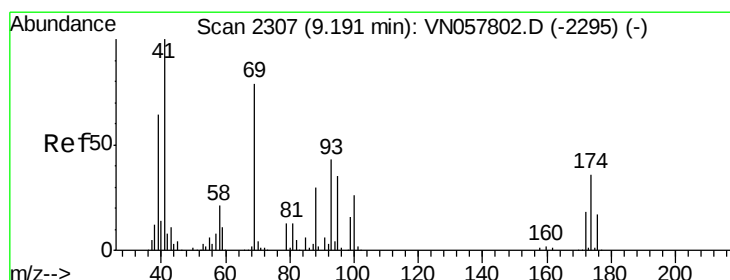
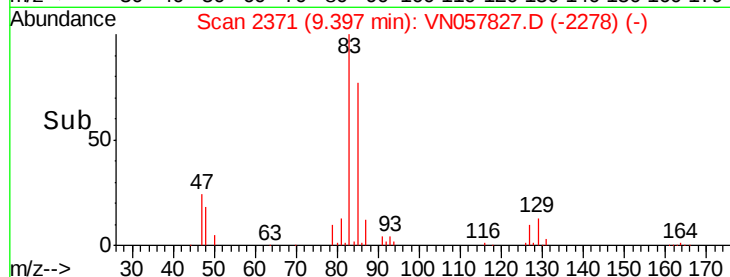
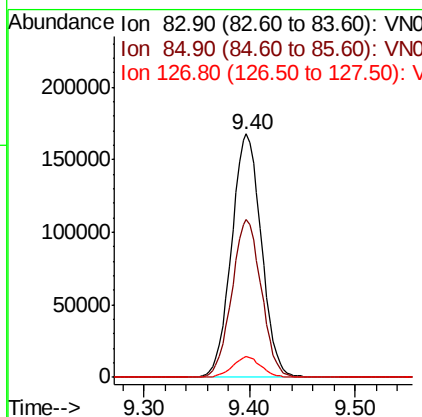
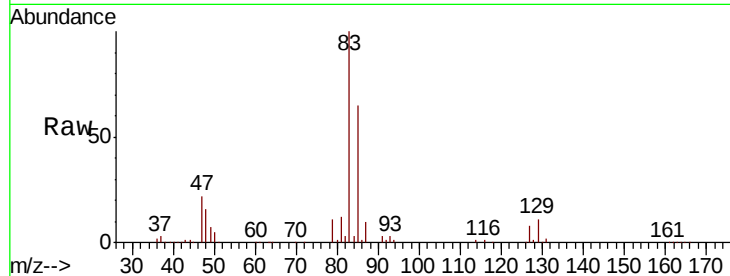
#47
Bromodichloromethane
Concen: 50.740 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	83	Resp:	328469
Ion Ratio	Lower	Upper	
83	100		
85	64.9	49.9	74.9
127	8.4	6.5	9.7

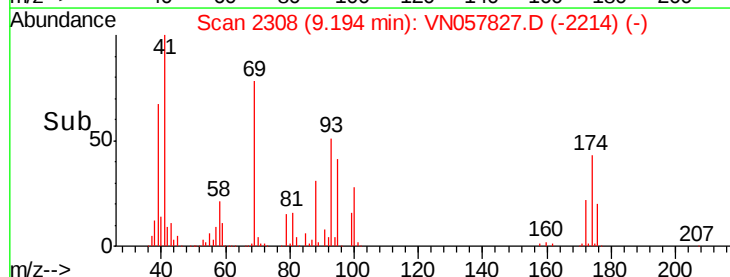
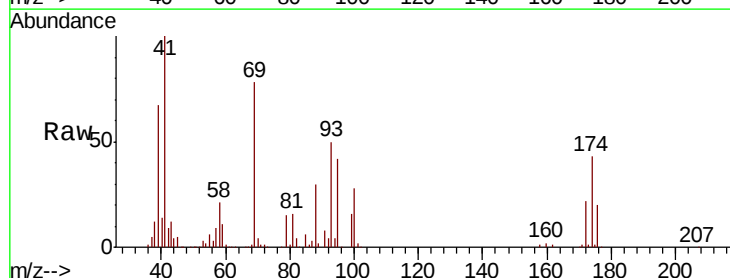
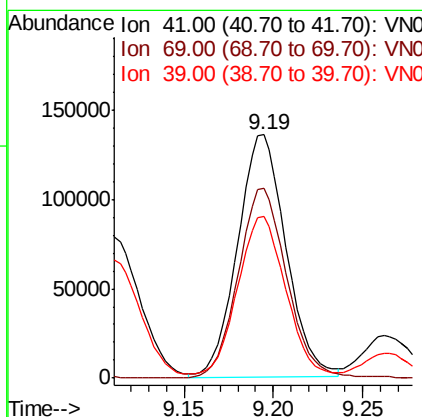
Manual Integrations
APPROVED

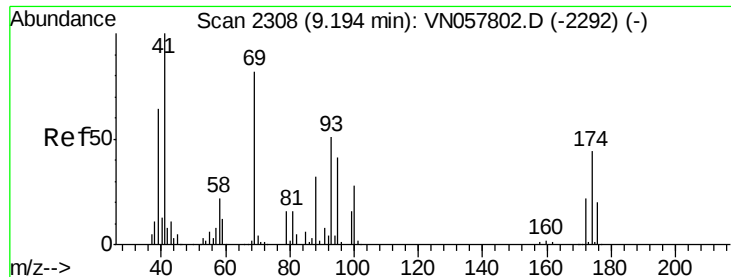
MMDadoda
9/13/2019 5:16:20 AM



#48
Methyl methacrylate
Concen: 47.768 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion:	41	Resp:	257820
Ion Ratio	Lower	Upper	
41	100		
69	79.3	62.7	94.1
39	67.0	52.7	79.1





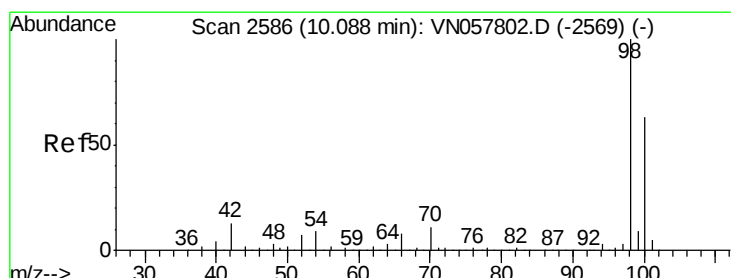
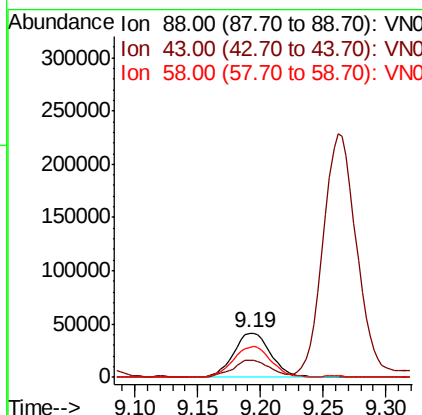
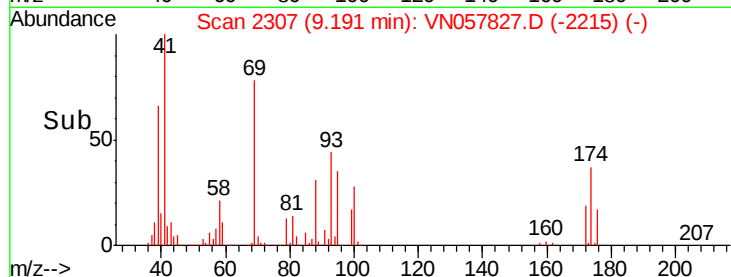
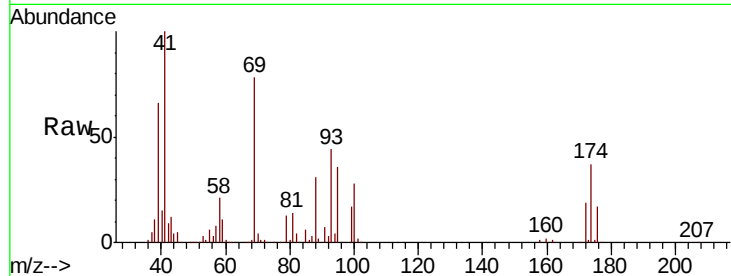
#49
1,4-Dioxane
Concen: 941.108 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	28.5	42.7
58	70.6	55.8	83.6

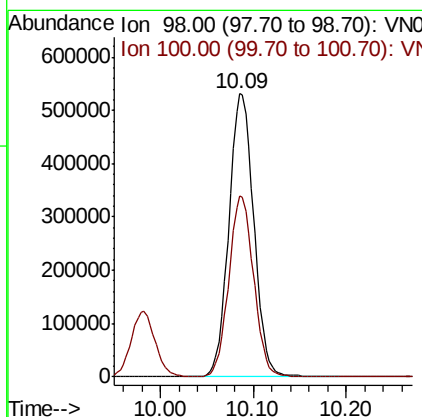
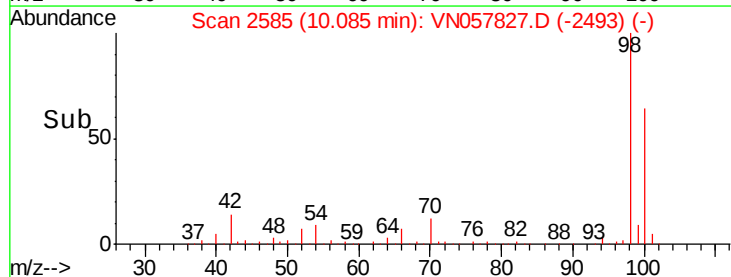
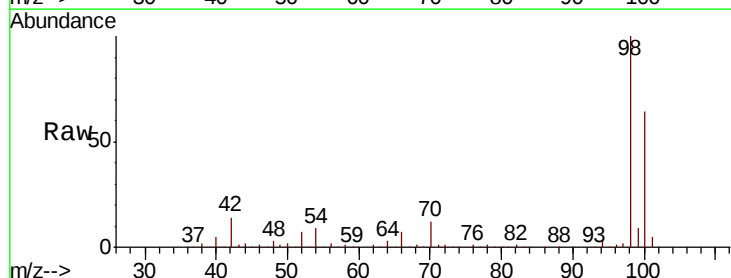
Manual Integrations
APPROVED

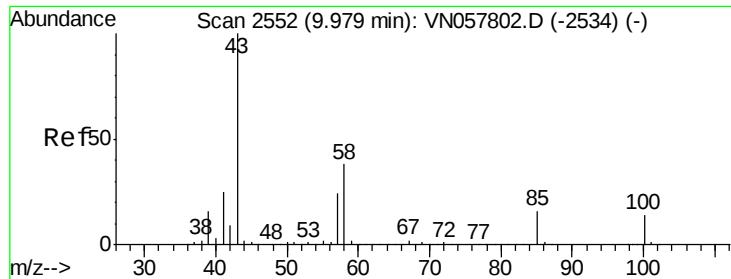
MMDadoda
9/13/2019 5:16:20 AM



#50
Toluene-d8
Concen: 52.236 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 261.710 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1647837

Ion Ratio Lower Upper

43 100

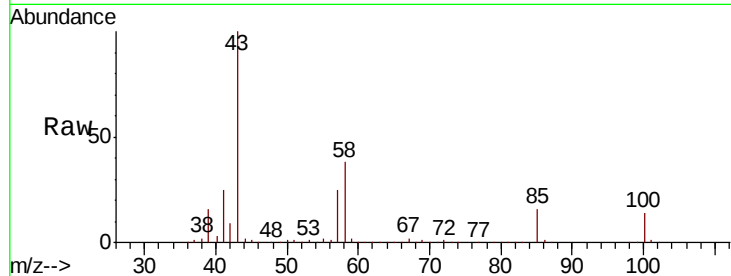
58 37.3 29.8 44.6

Manual Integrations

APPROVED

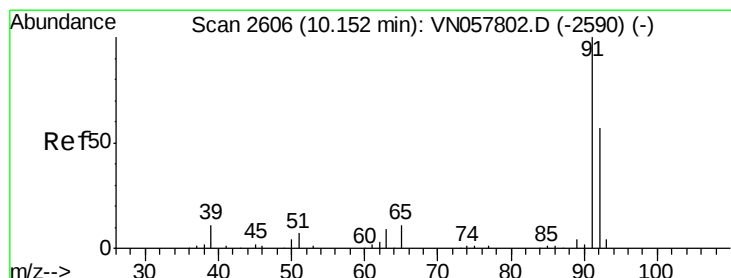
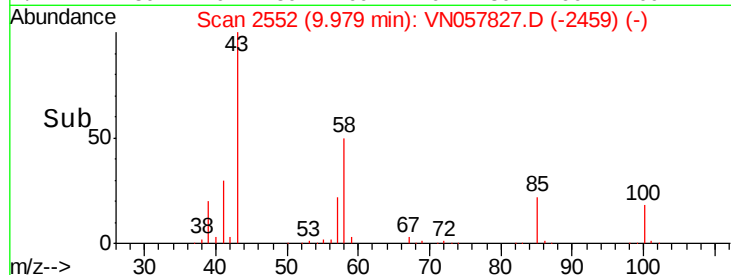
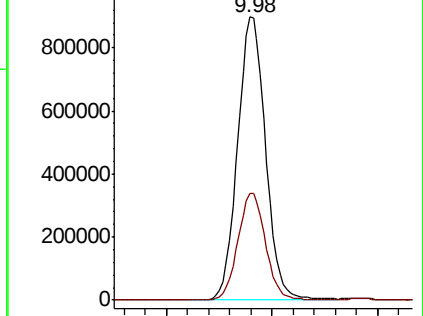
MMDadoda

9/13/2019 5:16:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.136 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057827.D

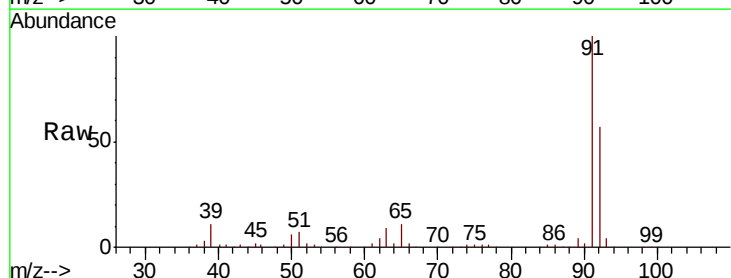
Acq: 10 Sep 2019 1:22

Tgt Ion: 92 Resp: 558962

Ion Ratio Lower Upper

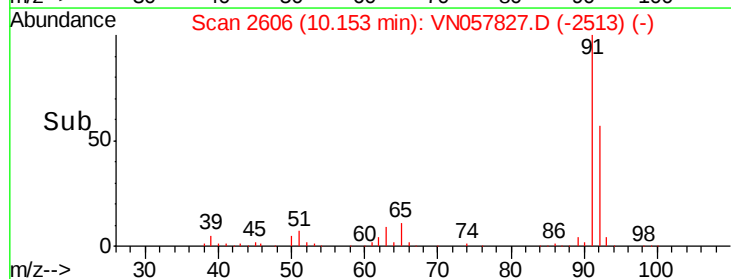
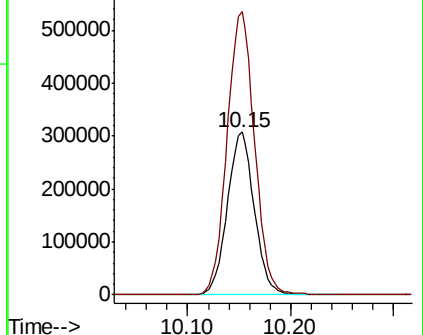
92 100

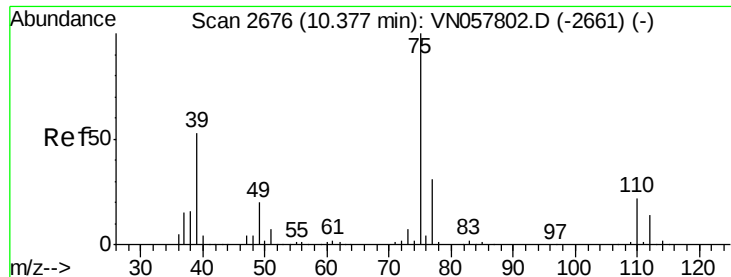
91 177.8 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





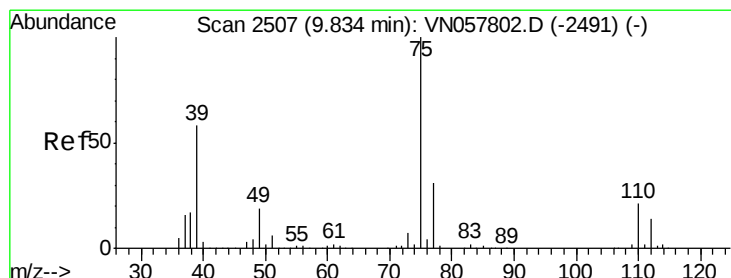
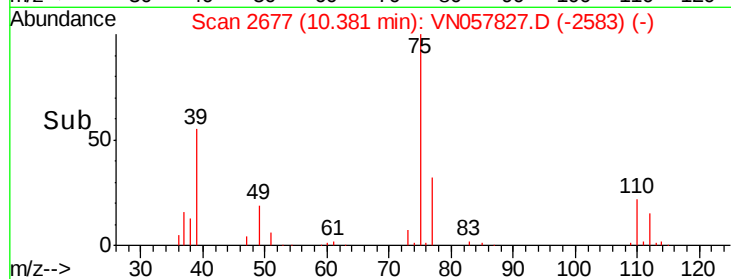
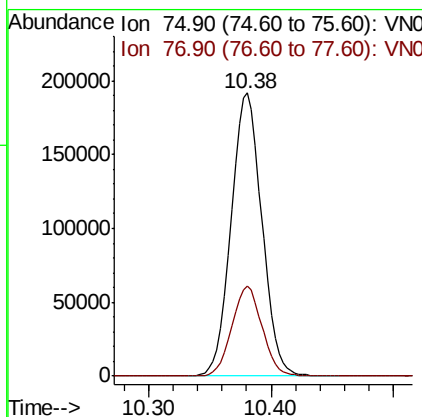
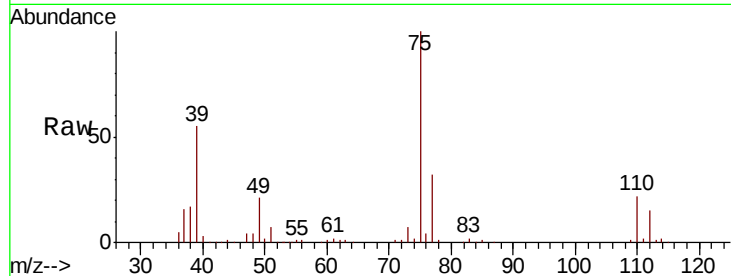
#53
 t-1,3-Dichloropropene
 Concen: 49.335 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 336320
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.5 36.7

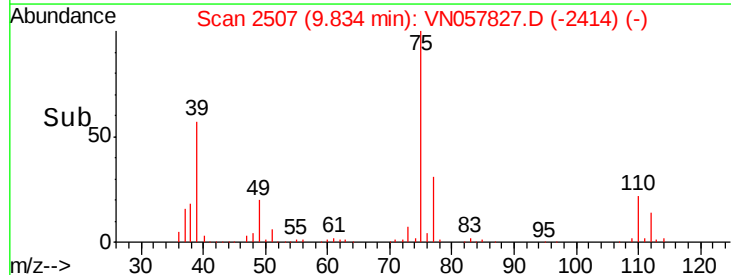
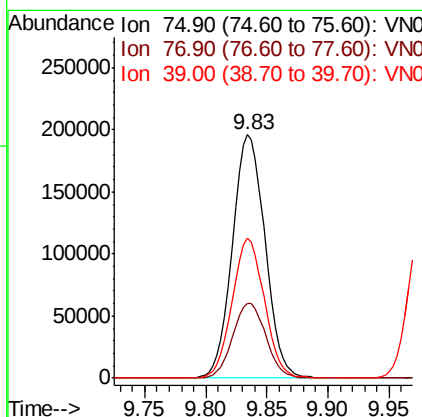
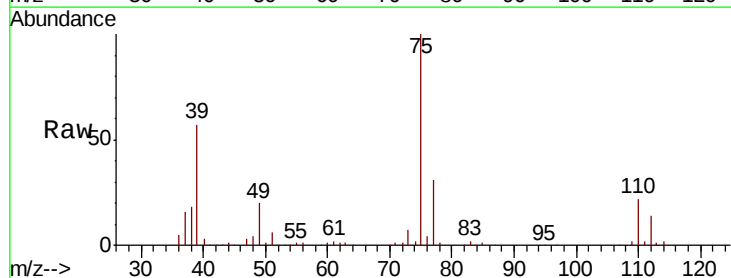
Manual Integrations
 APPROVED

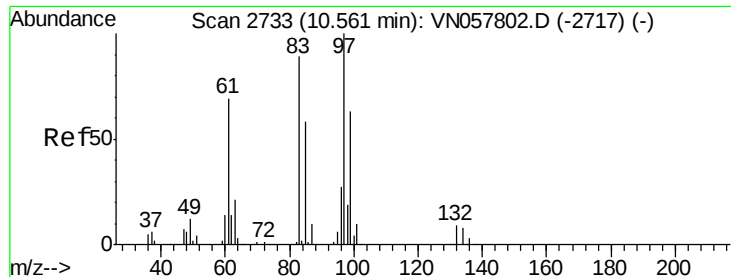
MMDadoda
 9/13/2019 5:16:20 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.337 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion: 75 Resp: 363808
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.8 37.2
 39 57.2 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 48.568 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

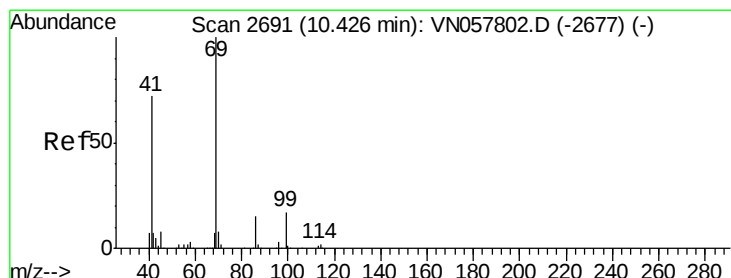
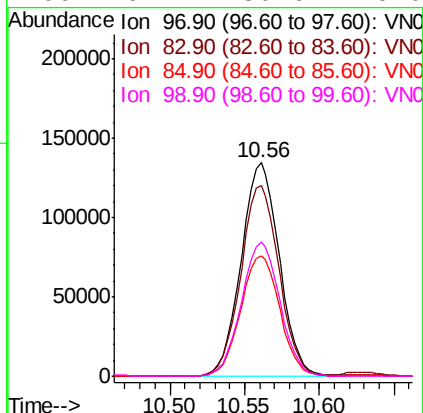
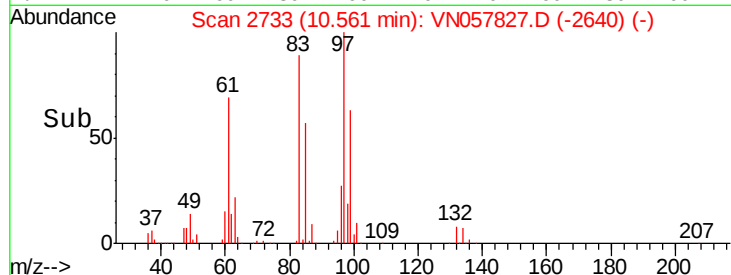
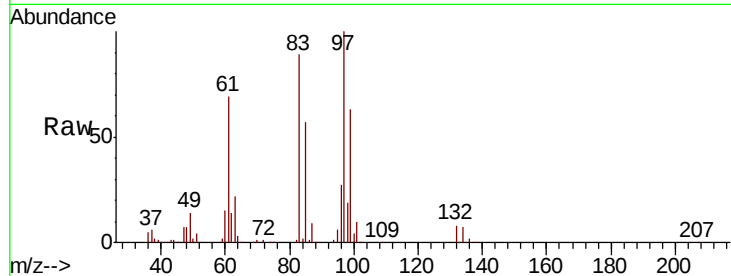
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	238896
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.8	106.2
85	56.6	46.0	69.0
99	62.7	50.6	76.0

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:16:20 AM



#56

Ethyl methacrylate

Concen: 50.116 ug/l

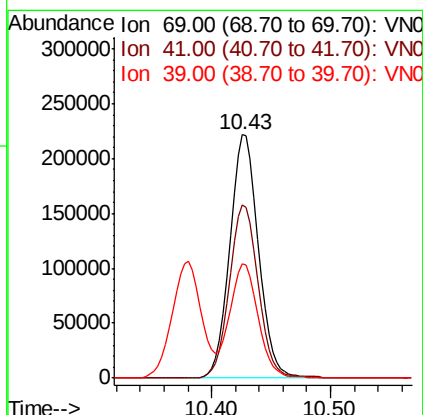
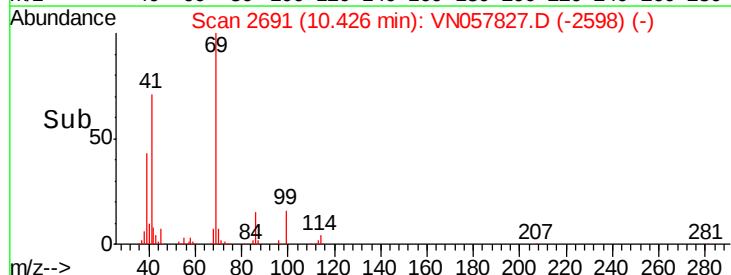
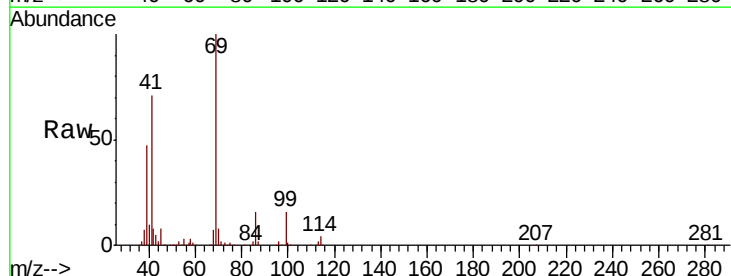
RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Tgt Ion:	69	Resp:	371217
Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.7	85.1
39	46.3	36.3	54.5





#57

1,3-Dichloropropane

Concen: 48.925 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 414732

Ion Ratio Lower Upper

76 100

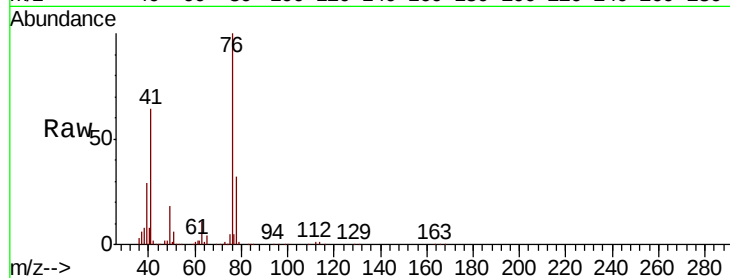
78 32.0 25.4 38.2

Manual Integrations

APPROVED

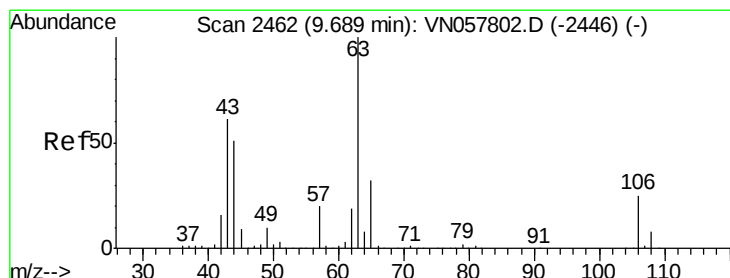
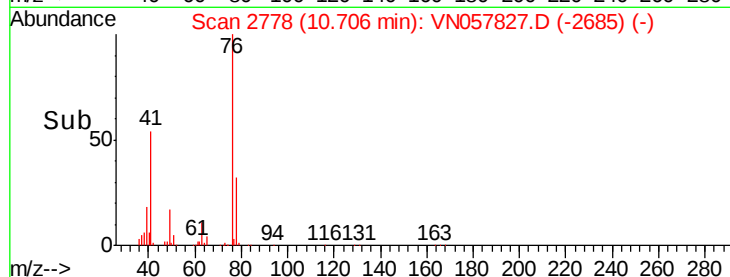
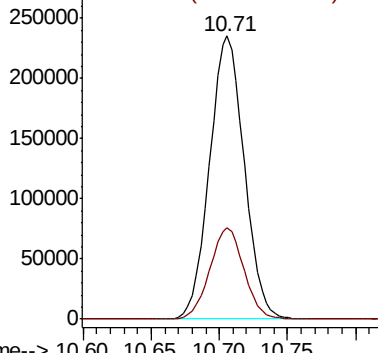
MMDadoda

9/13/2019 5:16:20 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: 255.609 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057827.D

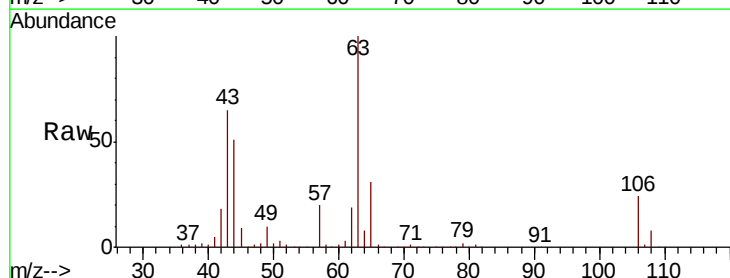
Acq: 10 Sep 2019 1:22

Tgt Ion: 63 Resp: 891745

Ion Ratio Lower Upper

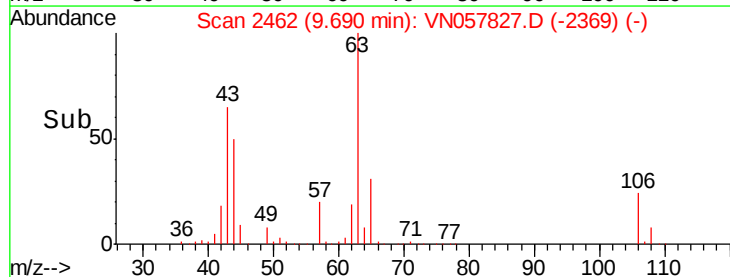
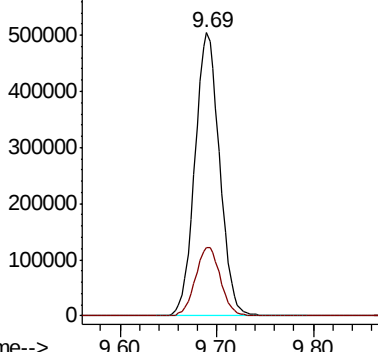
63 100

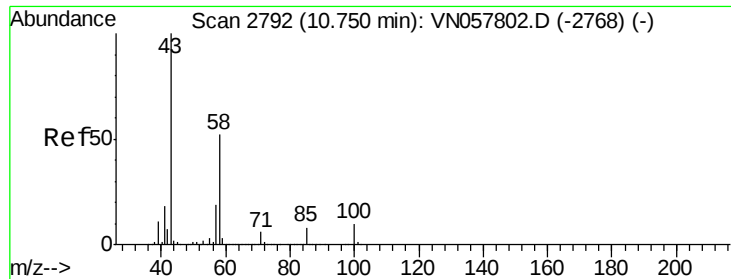
106 24.7 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 253.218 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1195042

Ion Ratio Lower Upper

43 100

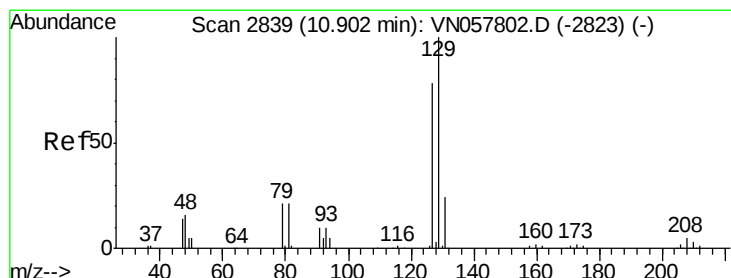
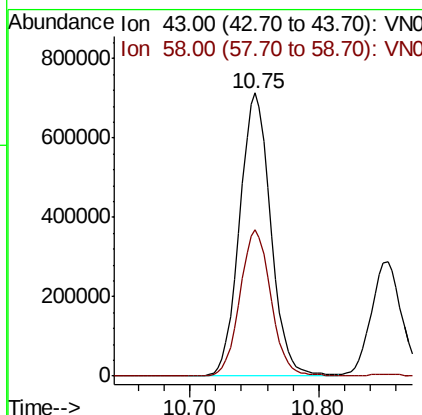
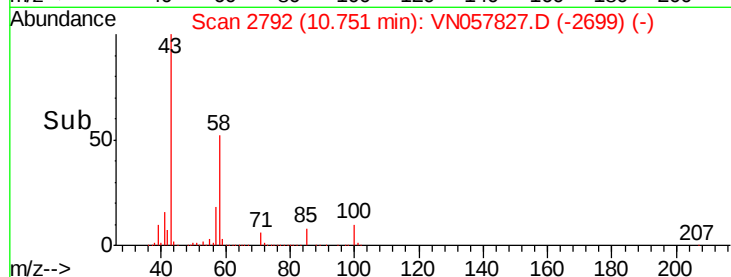
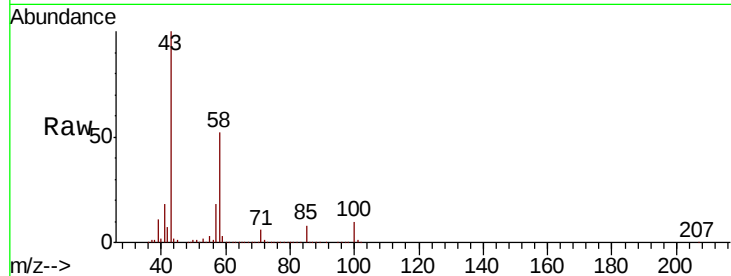
58 51.8 25.6 76.8

Manual Integrations

APPROVED

MMDadoda

9/13/2019 5:16:20 AM



#60

Dibromochloromethane

Concen: 51.709 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057827.D

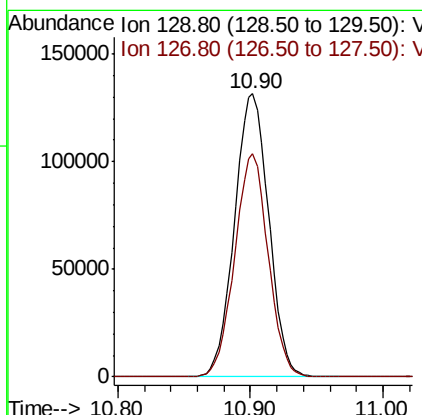
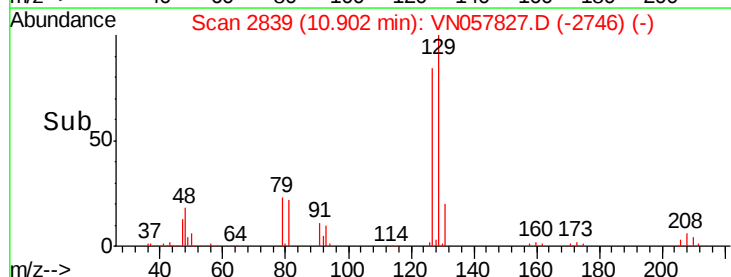
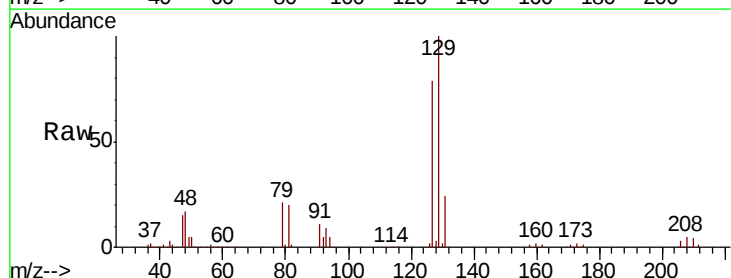
Acq: 10 Sep 2019 1:22

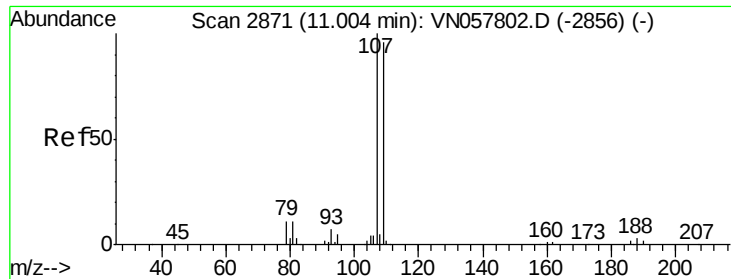
Tgt Ion: 129 Resp: 236181

Ion Ratio Lower Upper

129 100

127 77.1 38.6 116.0





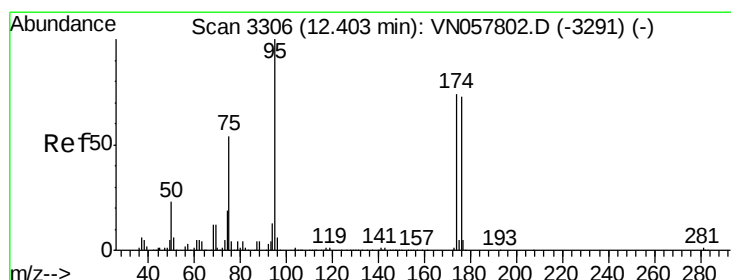
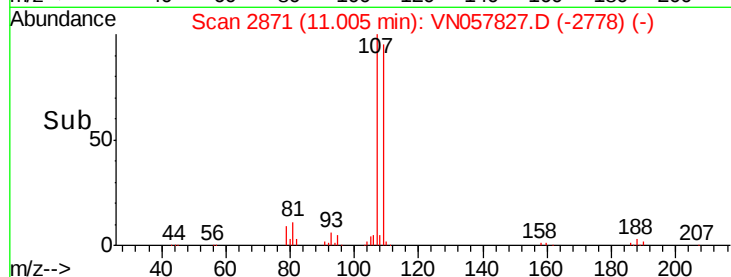
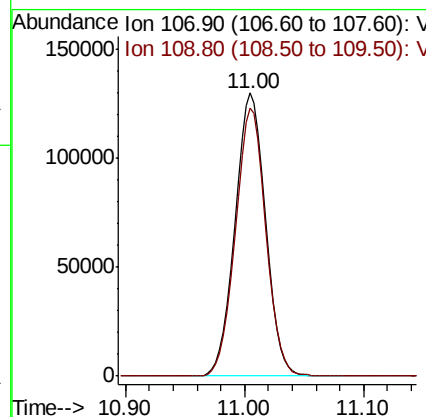
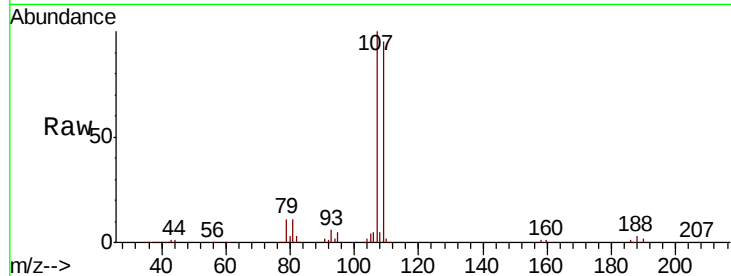
#61
 1,2-Dibromoethane
 Concen: 49.512 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.3	112.9

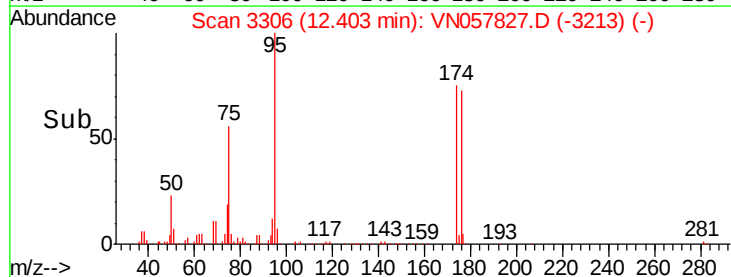
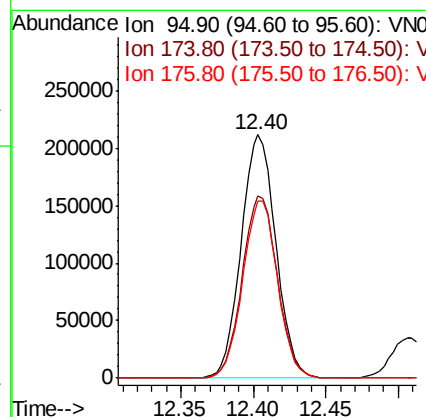
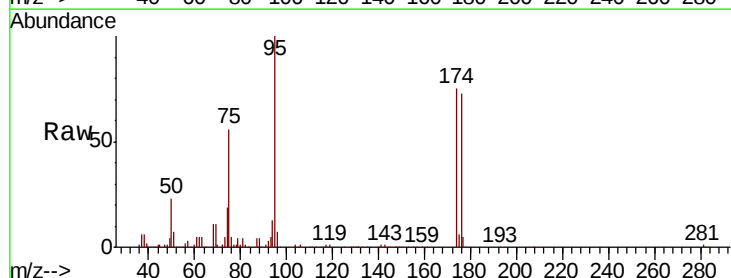
Manual Integrations
 APPROVED

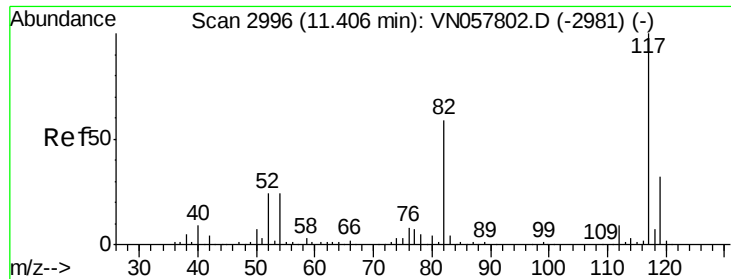
MMDadoda
 9/13/2019 5:16:20 AM



#62
 4-Bromofluorobenzene
 Concen: 48.805 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	150.2
176	73.4	0.0	146.0





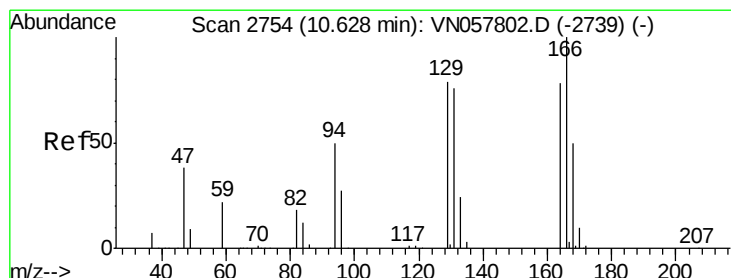
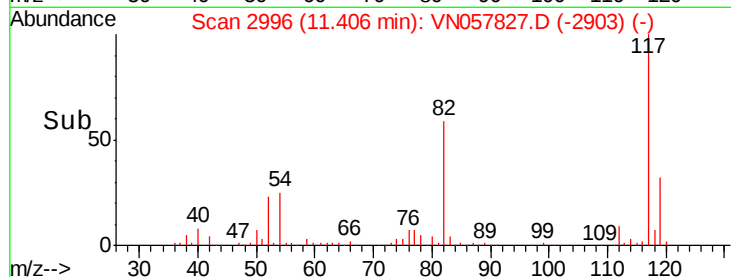
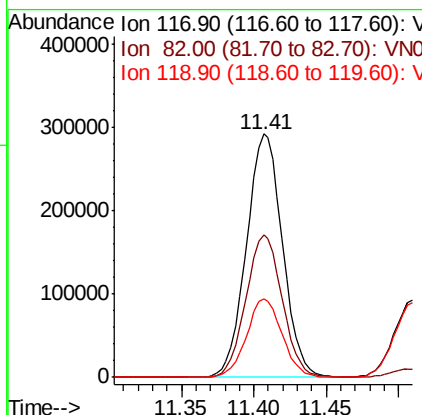
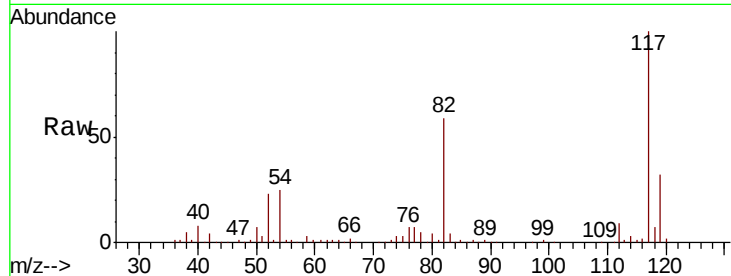
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.2	70.8
119	32.5	25.3	37.9

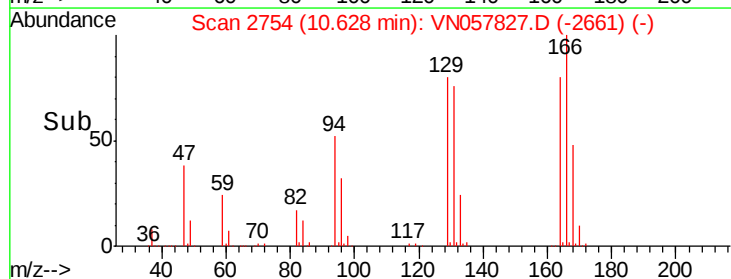
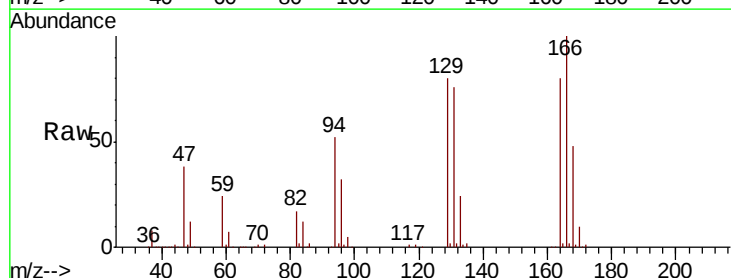
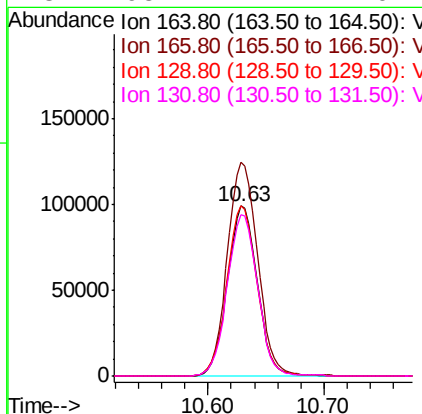
Manual Integrations
APPROVED

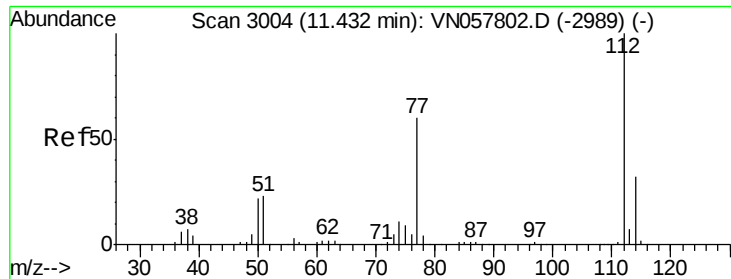
MMDadoda
9/13/2019 5:16:20 AM



#64
Tetrachloroethene
Concen: 47.378 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.2	153.2
129	100.4	80.8	121.2
131	95.2	77.4	116.2





#65

Chlorobenzene

Concen: 48.103 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 637663

Ion Ratio Lower Upper

112 100

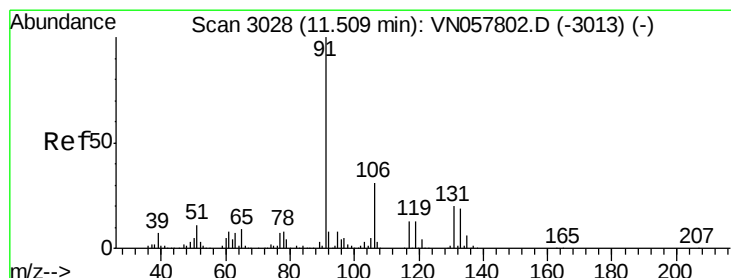
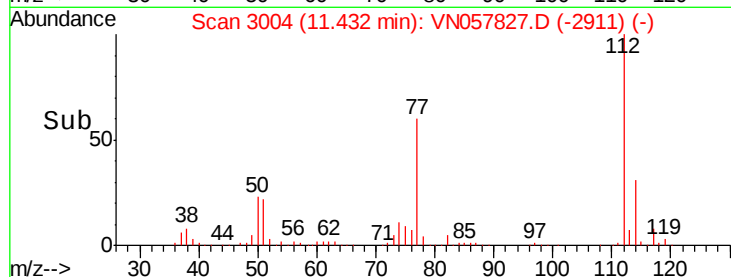
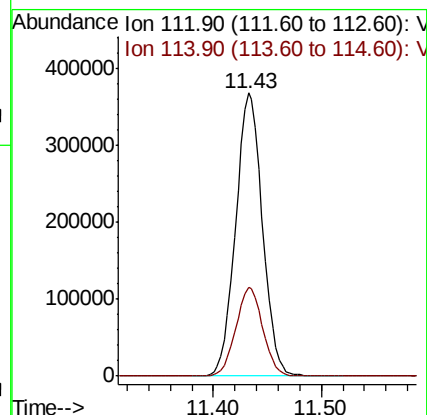
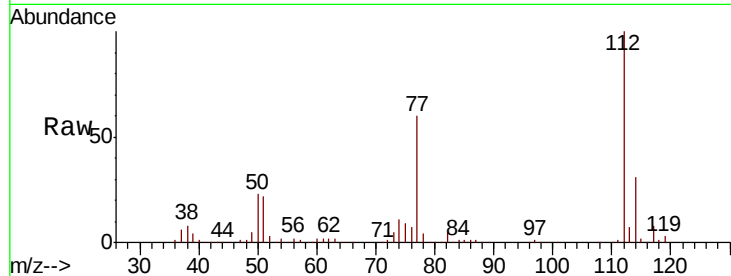
114 31.3 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

9/13/2019 5:16:20 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 50.443 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

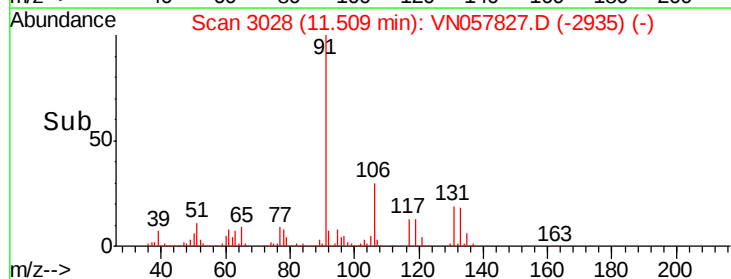
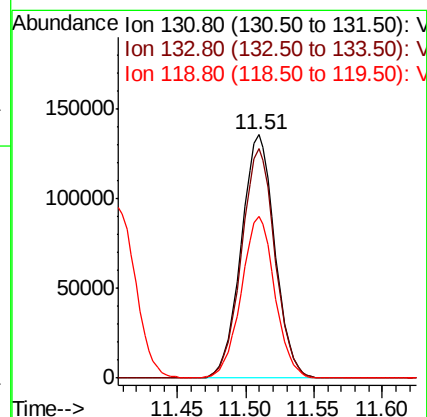
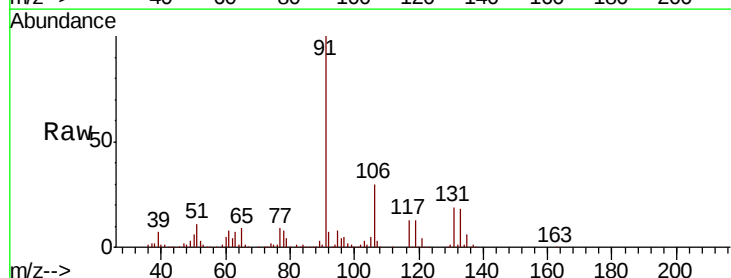
Tgt Ion:131 Resp: 232032

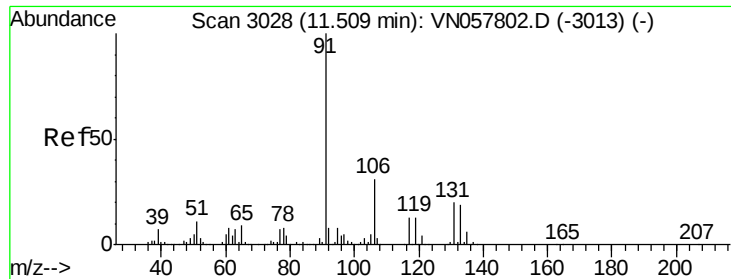
Ion Ratio Lower Upper

131 100

133 94.2 47.1 141.3

119 66.2 33.3 99.8





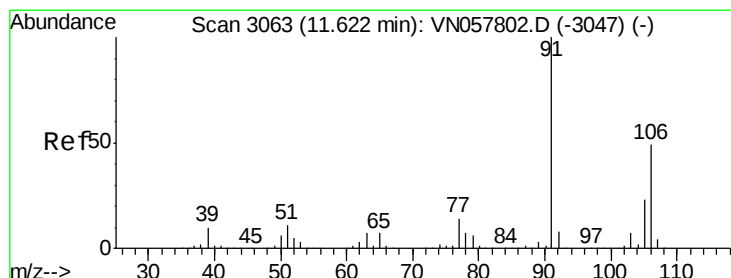
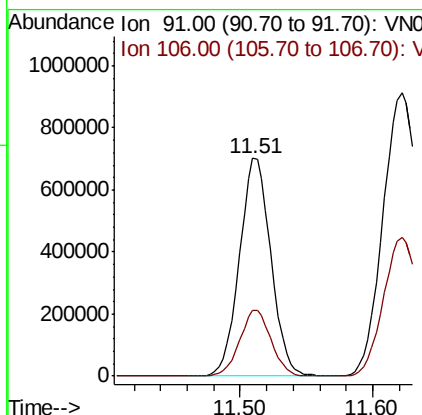
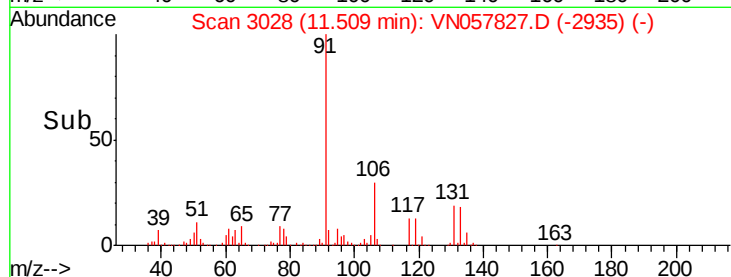
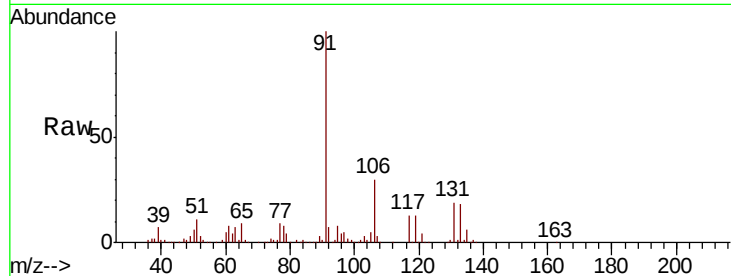
#67
Ethyl Benzene
Concen: 49.690 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1154396
Ion Ratio Lower Upper
91 100
106 30.0 24.4 36.6

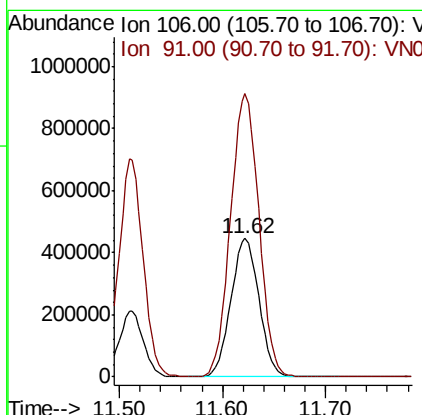
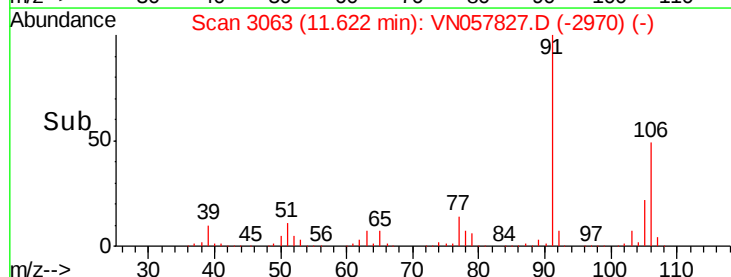
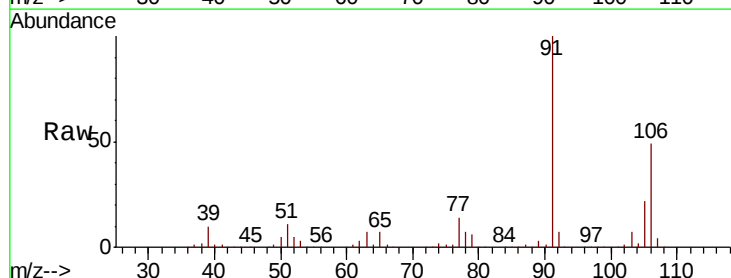
Manual Integrations
APPROVED

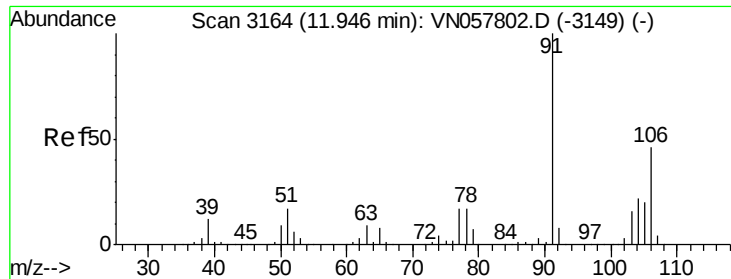
MMDadoda
9/13/2019 5:16:20 AM



#68
m/p-Xylenes
Concen: 99.284 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion: 106 Resp: 844898
Ion Ratio Lower Upper
106 100
91 207.0 165.8 248.6





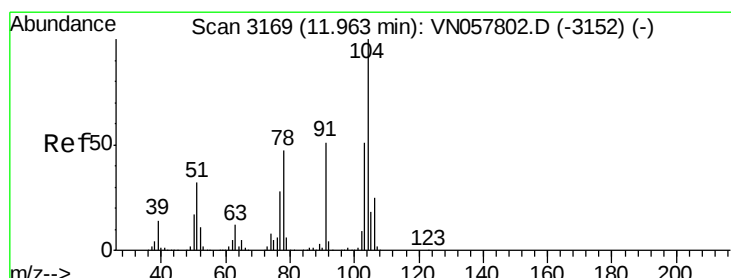
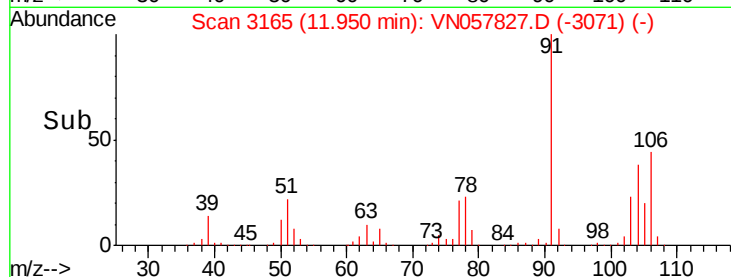
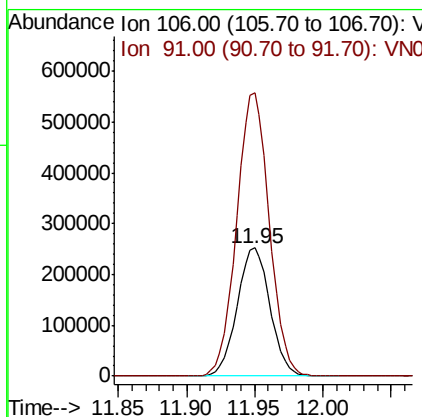
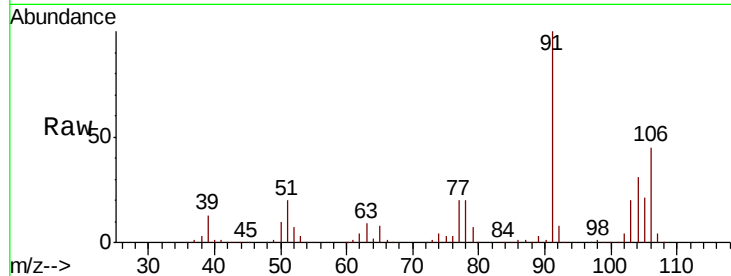
#69
o-Xylene
Concen: 49.757 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 420951
Ion Ratio Lower Upper
106 100
91 219.2 108.7 326.1

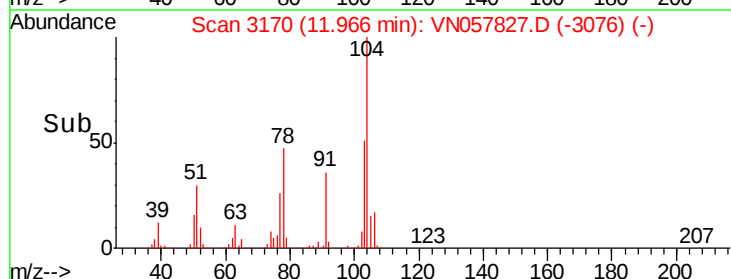
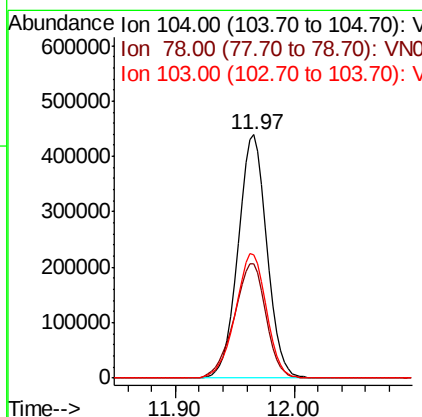
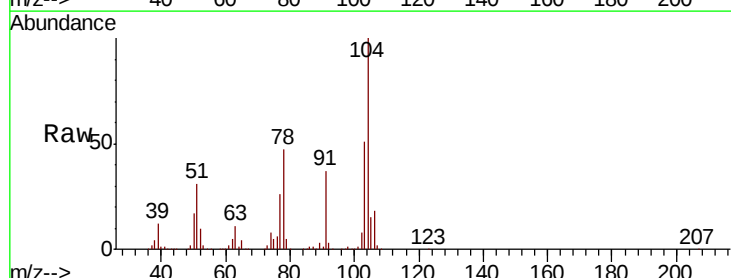
Manual Integrations
APPROVED

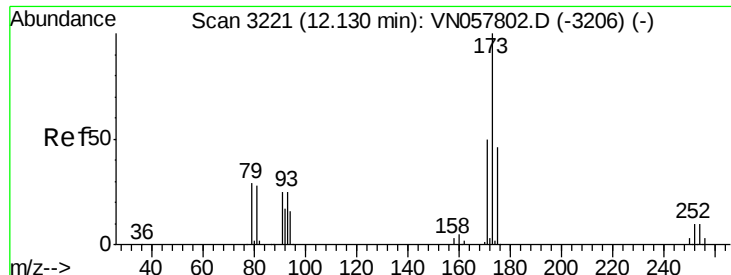
MMDadoda
9/13/2019 5:16:20 AM



#70
Styrene
Concen: 50.517 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion:104 Resp: 735523
Ion Ratio Lower Upper
104 100
78 52.2 41.3 61.9
103 55.3 43.7 65.5





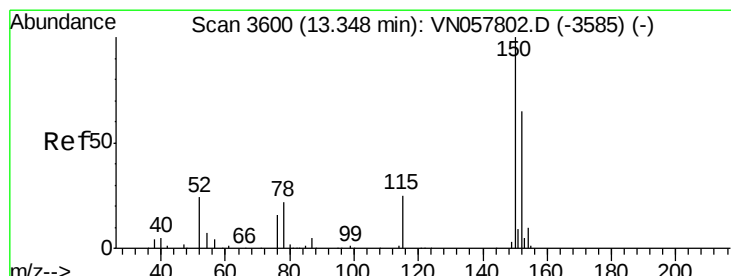
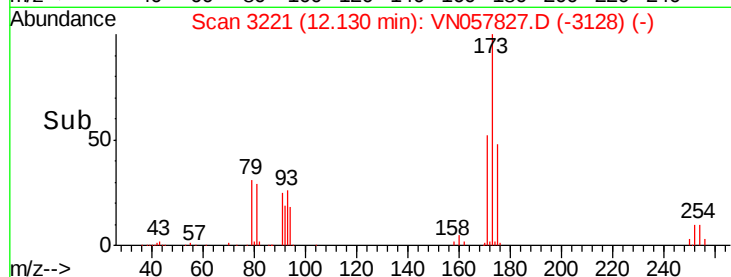
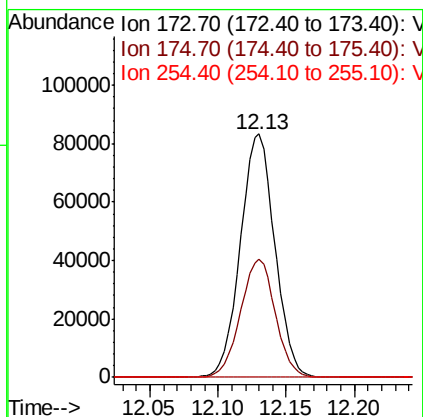
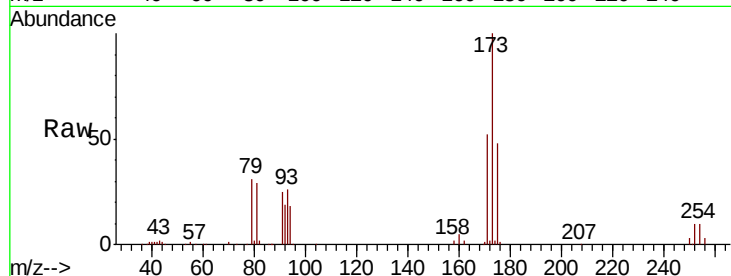
#71
Bromoform
Concen: 50.825 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.5	70.6
254	0.0	0.1	0.1#

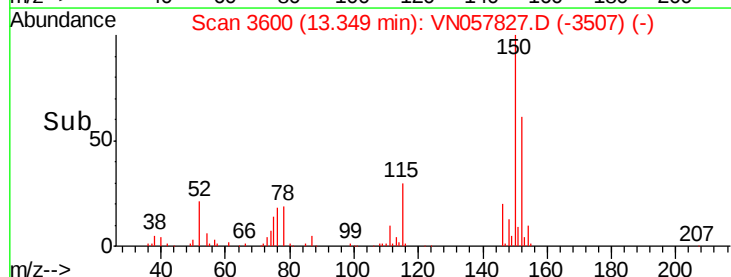
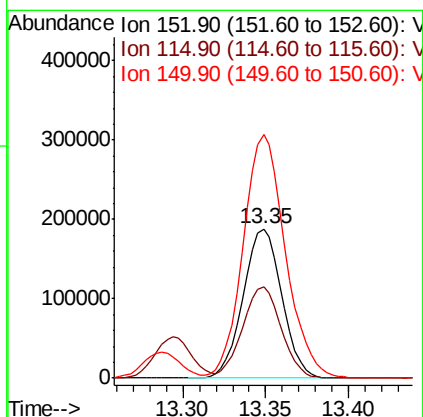
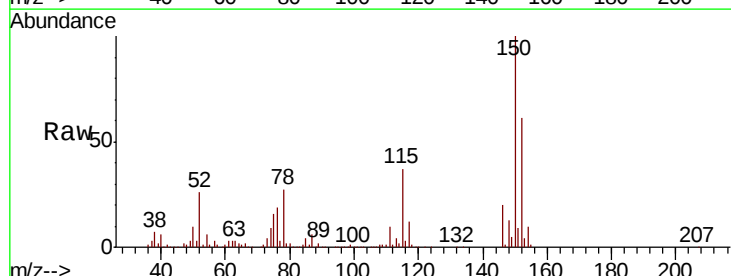
Manual Integrations
APPROVED

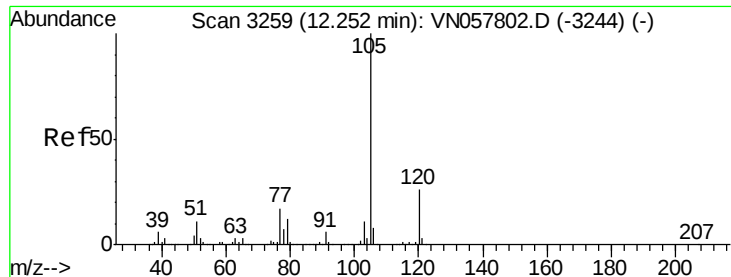
MMDadoda
9/13/2019 5:16:20 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.3	91.0
150	177.5	0.0	352.4





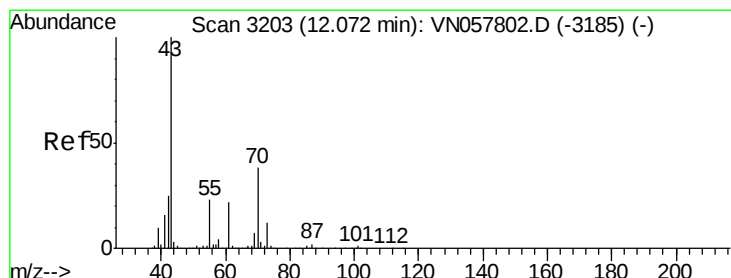
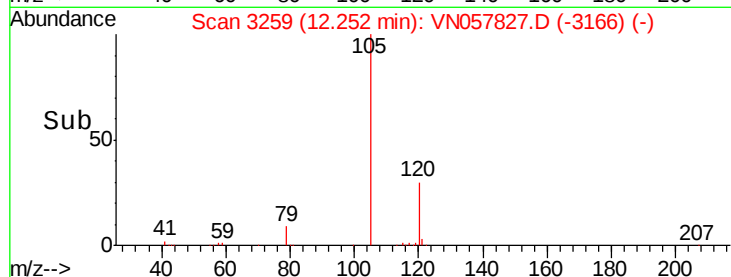
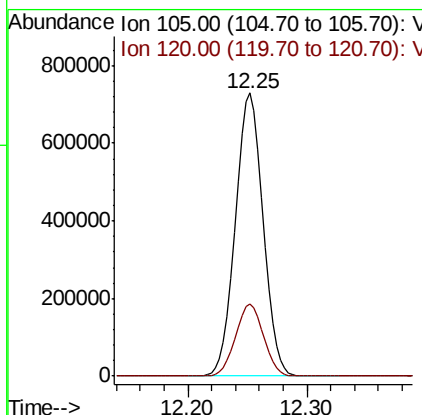
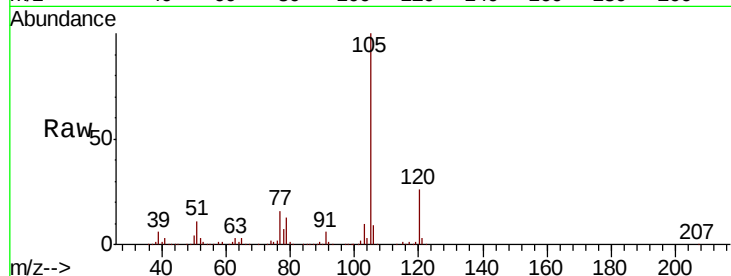
#73
Isopropylbenzene
Concen: 49.417 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1173674
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.4

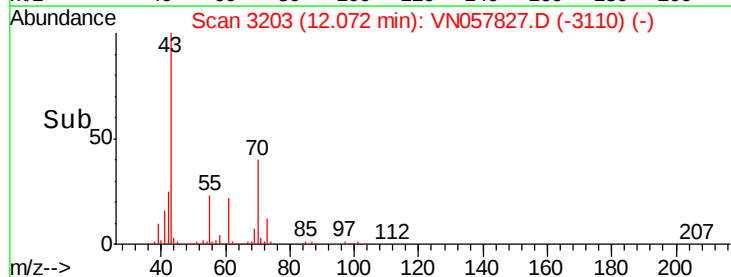
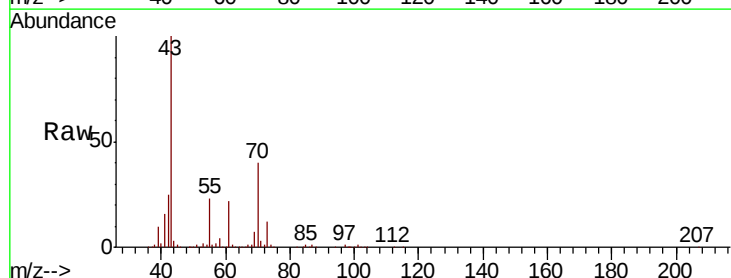
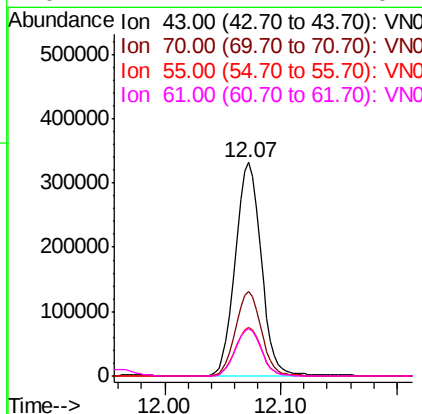
Manual Integrations
APPROVED

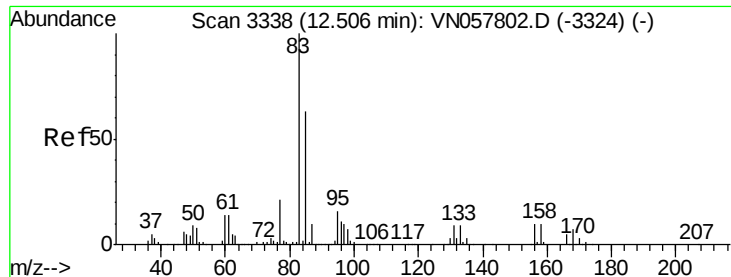
MMDadoda
9/13/2019 5:16:20 AM



#74
N-ethyl acetate
Concen: 49.183 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion: 43 Resp: 508361
Ion Ratio Lower Upper
43 100
70 39.8 30.6 45.8
55 23.2 18.6 27.8
61 22.4 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.452 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

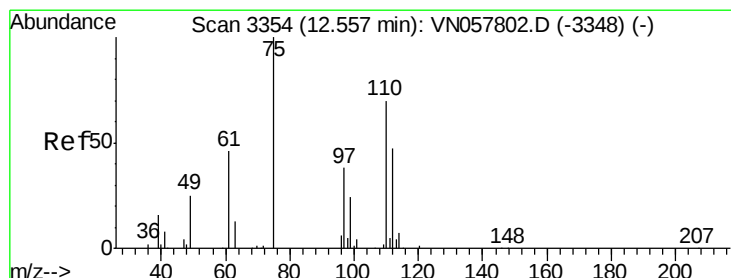
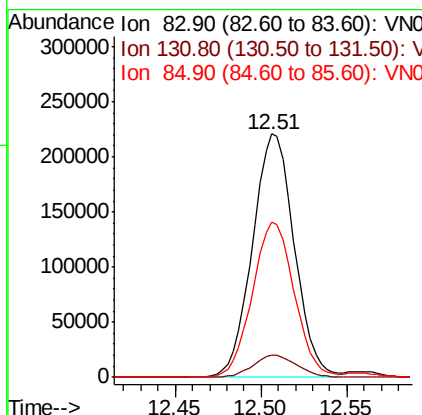
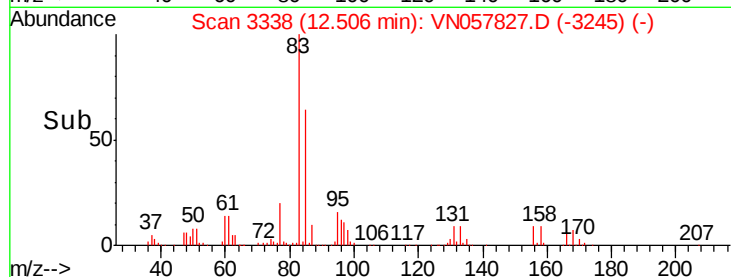
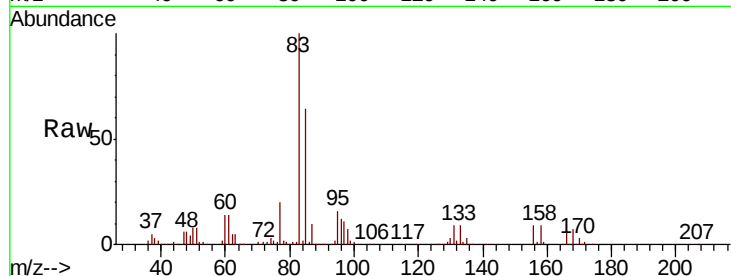
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	371463
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	63.9	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:16:20 AM



#76

1,2,3-Trichloropropane

Concen: 44.226 ug/l m

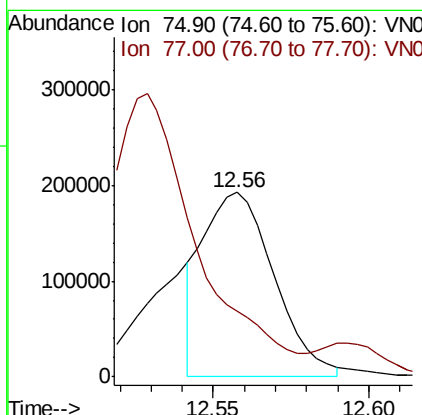
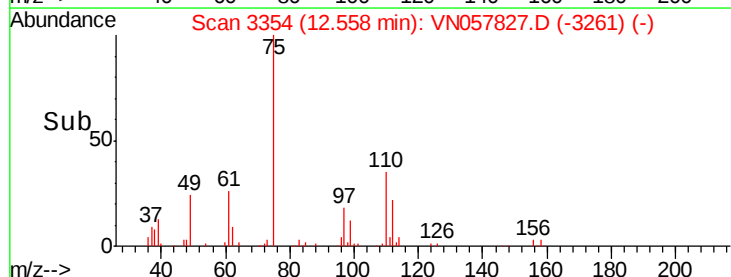
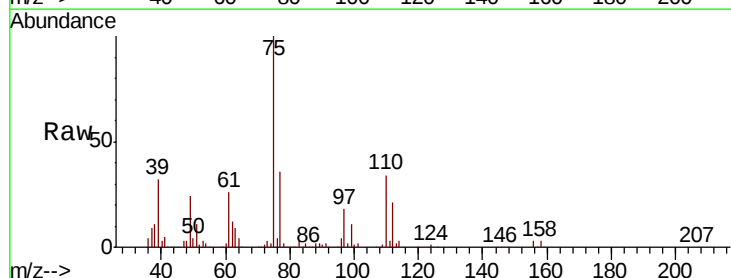
RT: 12.56 min Scan# 3354

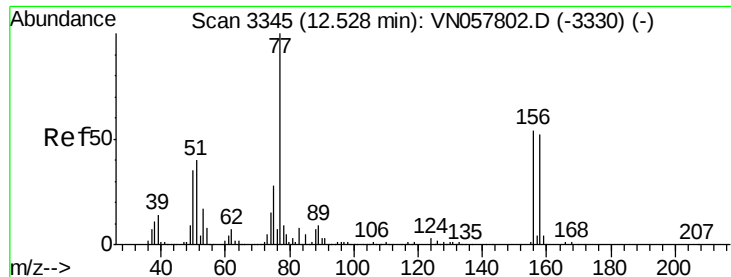
Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Tgt Ion:	75	Resp:	306215
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.802 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 271215

Ion Ratio Lower Upper

156 100

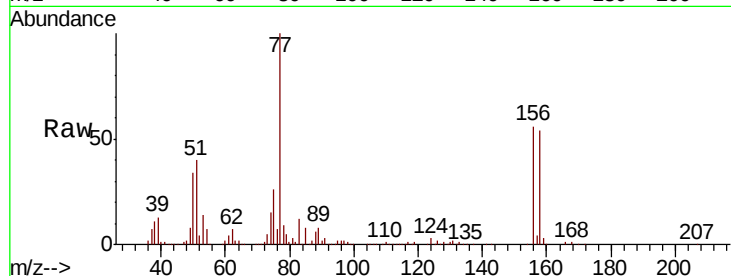
77 223.7 113.7 341.1

158 97.4 48.5 145.6

Manual Integrations
APPROVED

MMDadoda

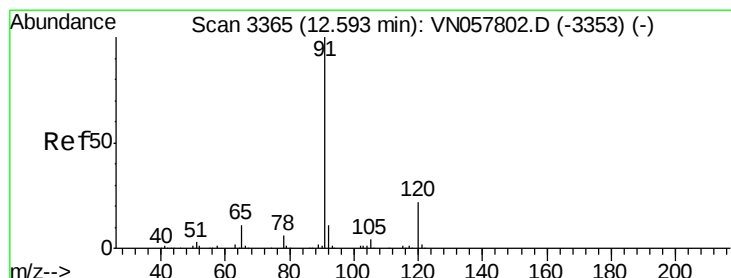
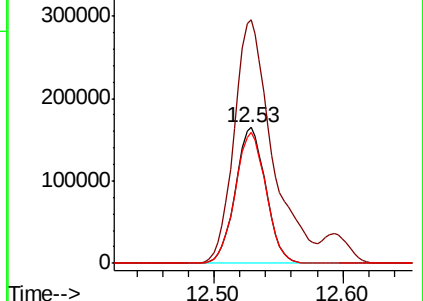
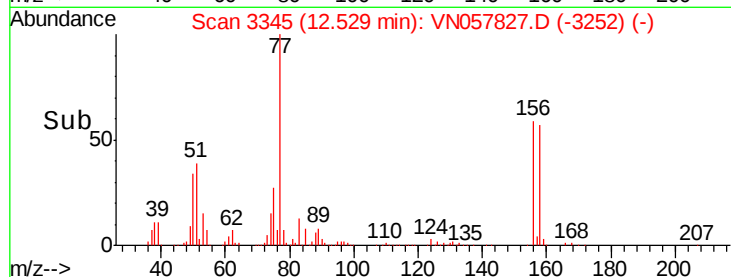
9/13/2019 5:16:20 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.313 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057827.D

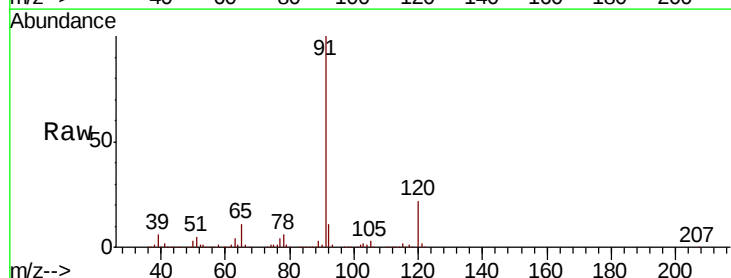
Acq: 10 Sep 2019 1:22

Tgt Ion: 91 Resp: 1372174

Ion Ratio Lower Upper

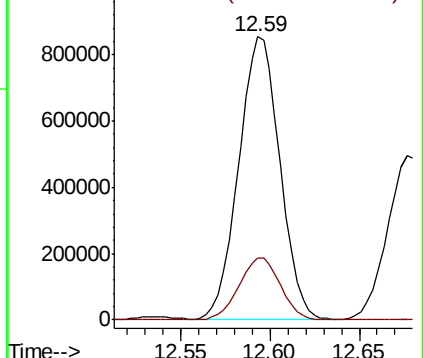
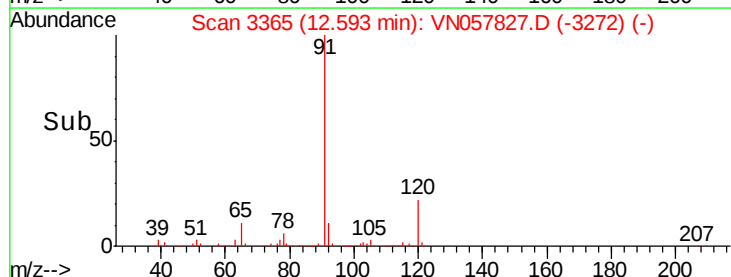
91 100

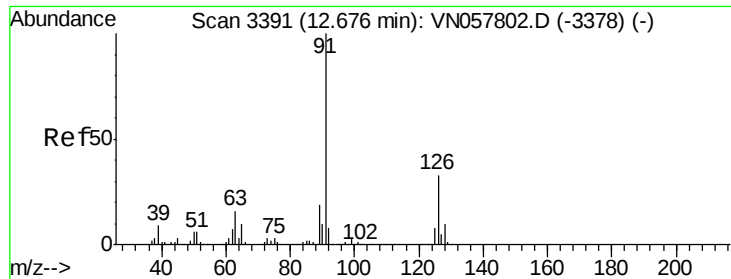
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.001 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 810158

Ion Ratio Lower Upper

91 100

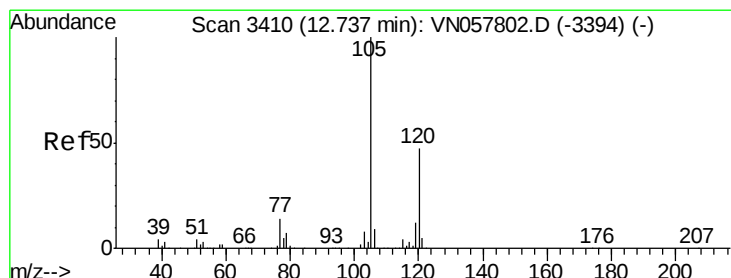
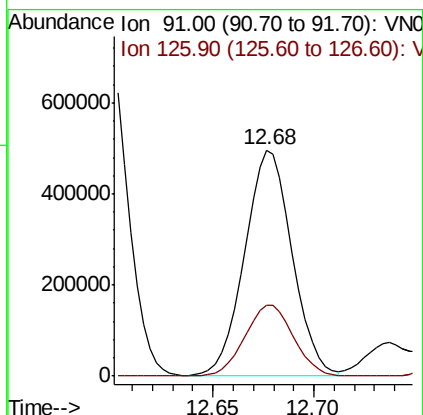
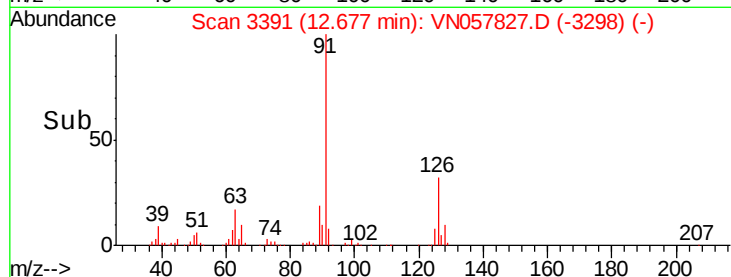
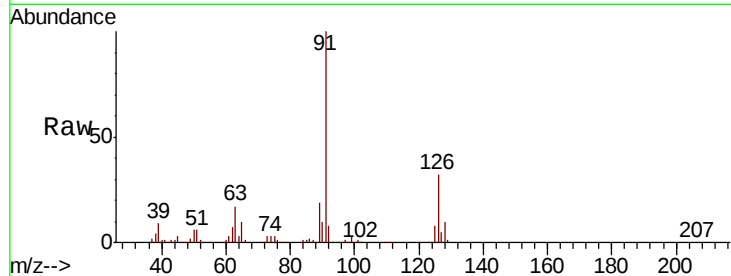
126 32.5 16.4 49.2

Manual Integrations

APPROVED

MMDadoda

9/13/2019 5:16:20 AM



#80

1,3,5-Trimethylbenzene

Concen: 50.545 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057827.D

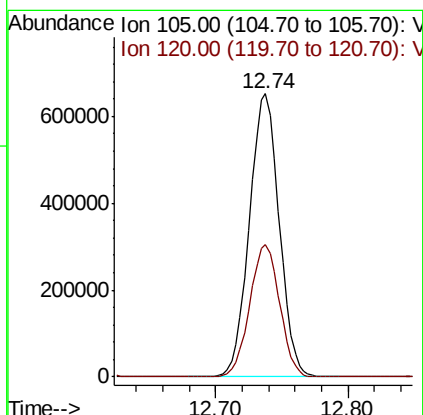
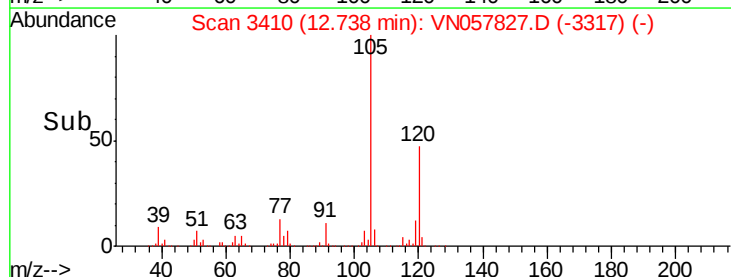
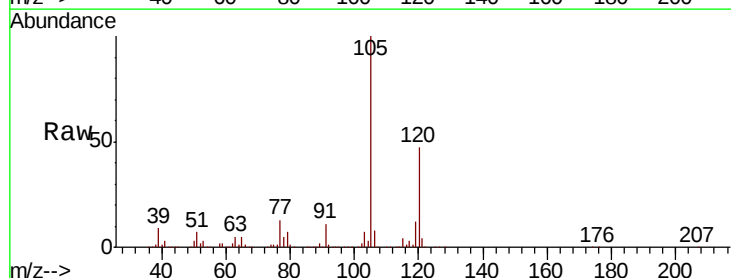
Acq: 10 Sep 2019 1:22

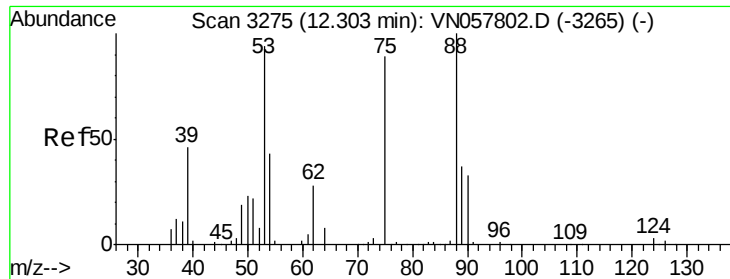
Tgt Ion: 105 Resp: 1014304

Ion Ratio Lower Upper

105 100

120 46.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 44.973 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 88488

Ion Ratio Lower Upper

75 100

53 113.7 88.4 132.6

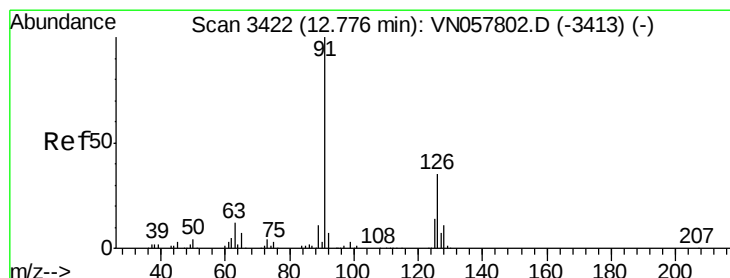
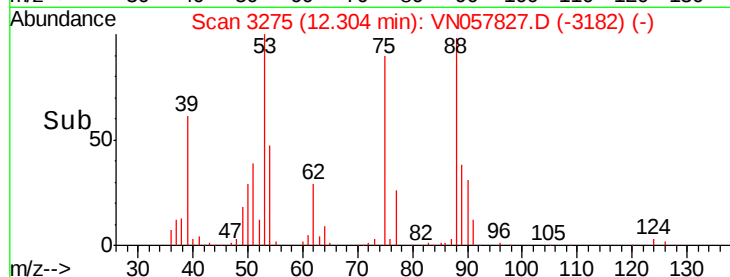
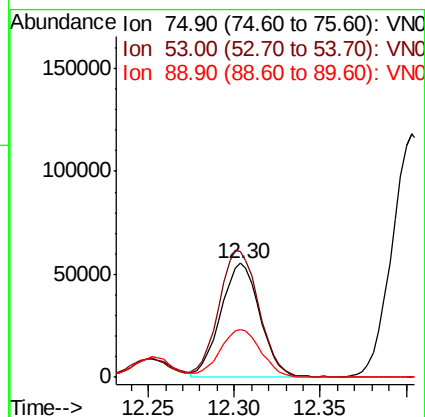
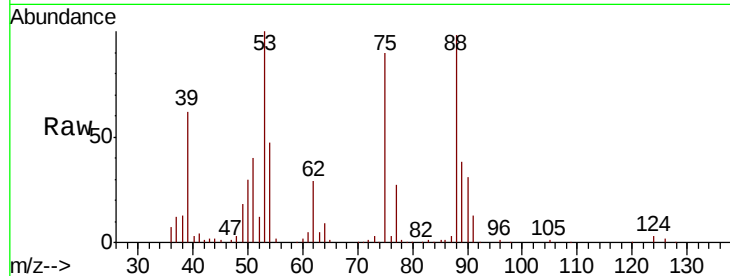
89 43.8 35.3 52.9

Manual Integrations

APPROVED

MMDadoda

9/13/2019 5:16:20 AM



#82

4-Chlorotoluene

Concen: 47.908 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057827.D

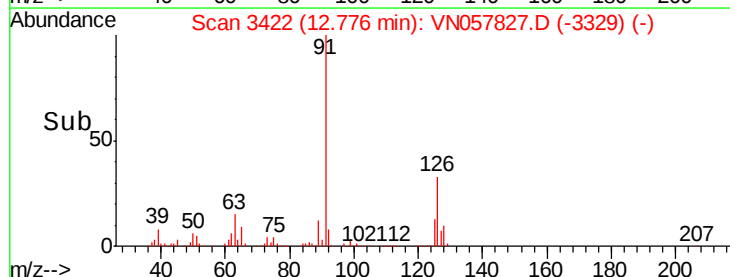
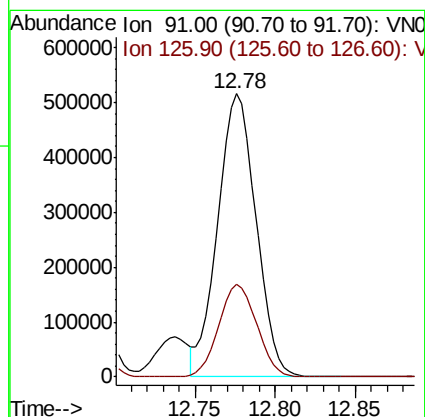
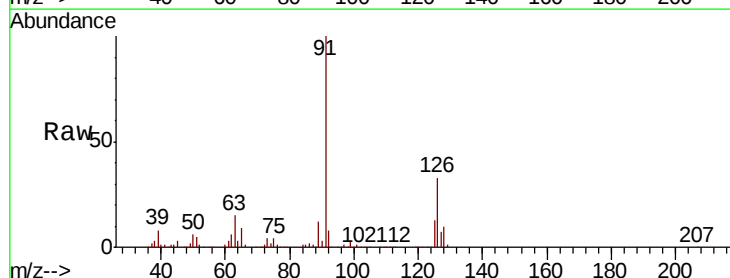
Acq: 10 Sep 2019 1:22

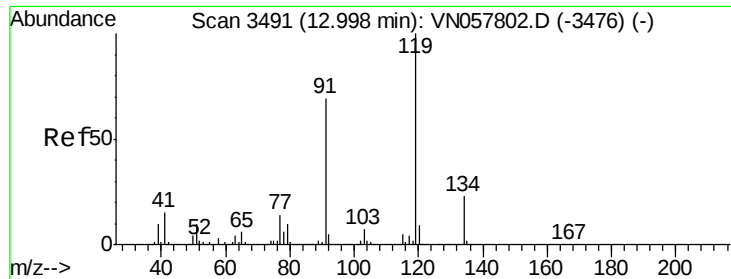
Tgt Ion: 91 Resp: 848039

Ion Ratio Lower Upper

91 100

126 32.3 16.0 48.0





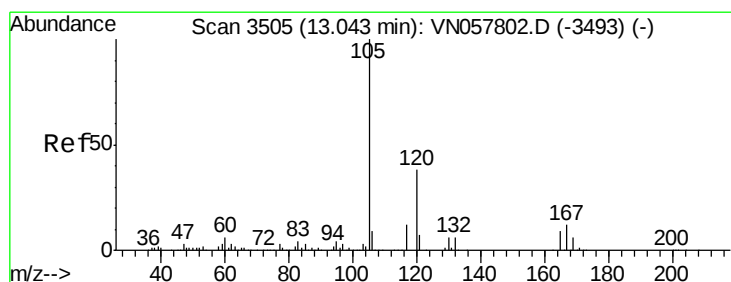
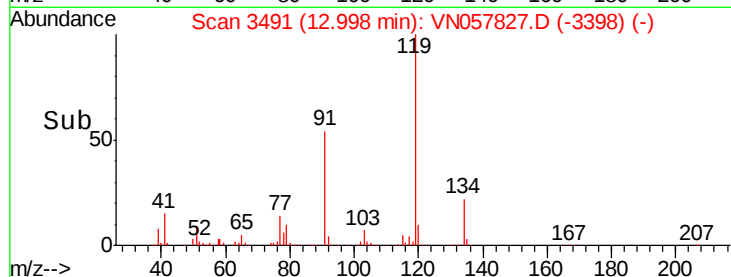
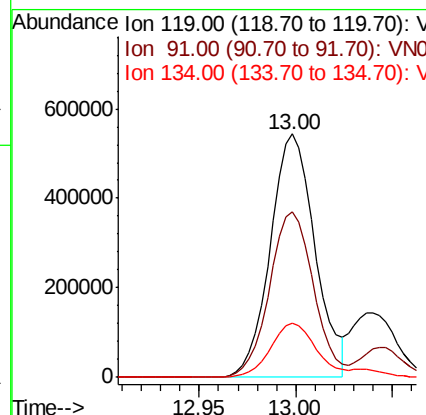
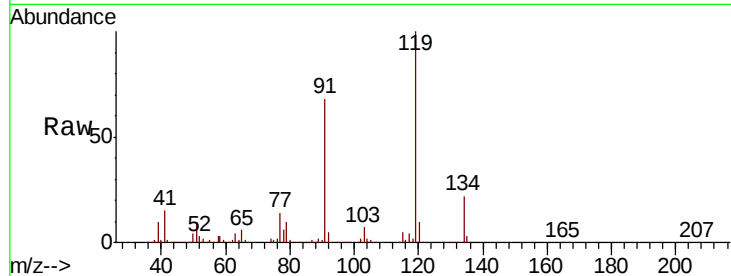
#83
tert-Butylbenzene
Concen: 49.035 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	874699		
91	67.3		33.6	100.8
134	22.7		11.7	35.0

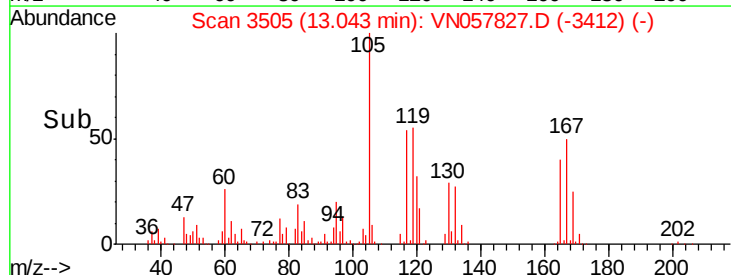
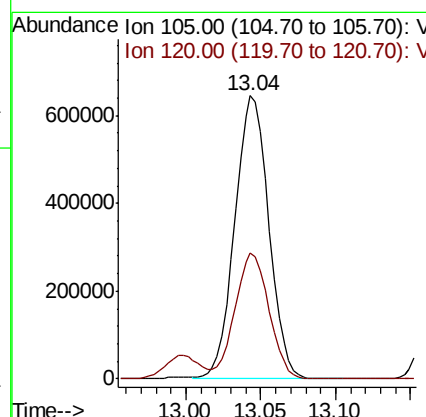
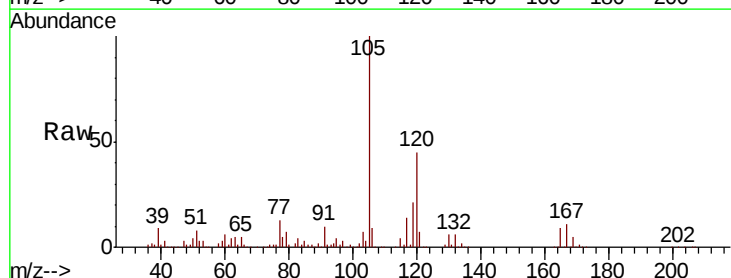
Manual Integrations
APPROVED

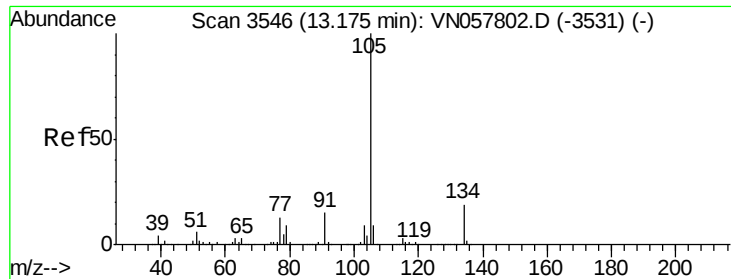
MMDadoda
9/13/2019 5:16:20 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.932 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1018399		
120	44.4		22.4	67.2





#85

sec-Butylbenzene

Concen: 50.238 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1187774

Ion Ratio Lower Upper

105 100

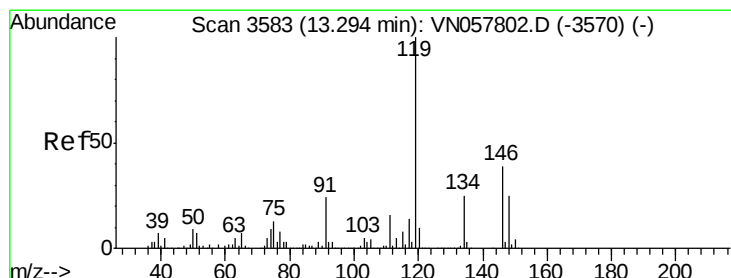
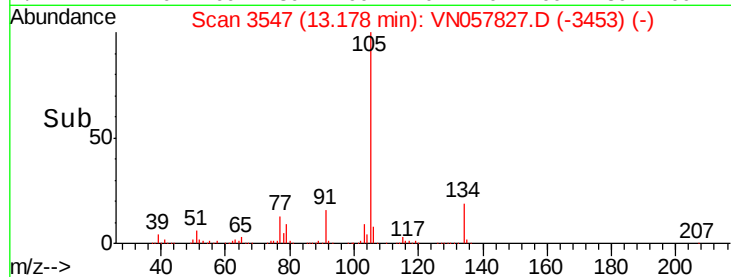
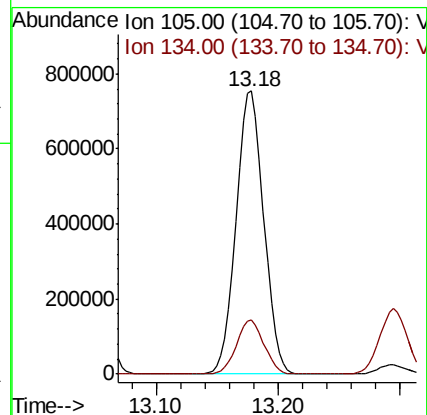
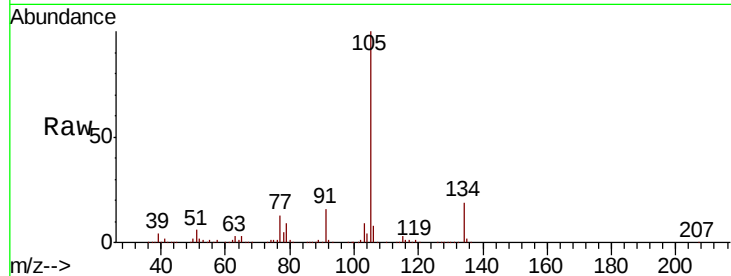
134 18.9 9.6 28.6

Manual Integrations

APPROVED

MMDadoda

9/13/2019 5:16:20 AM



#86

p-Isopropyltoluene

Concen: 51.373 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

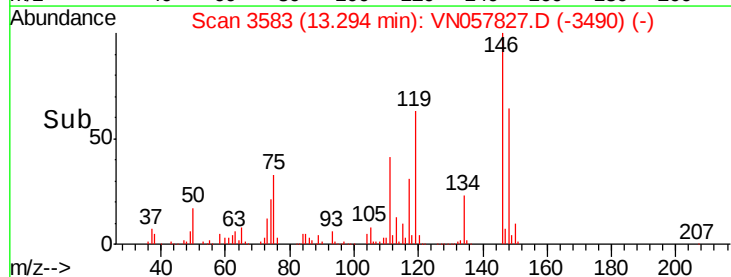
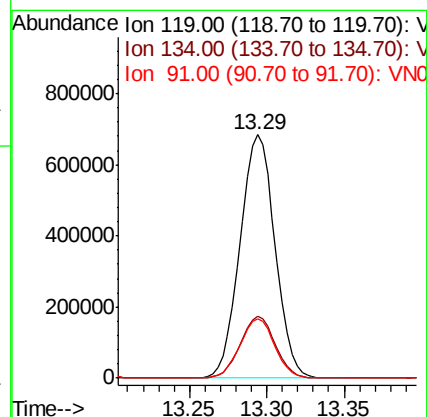
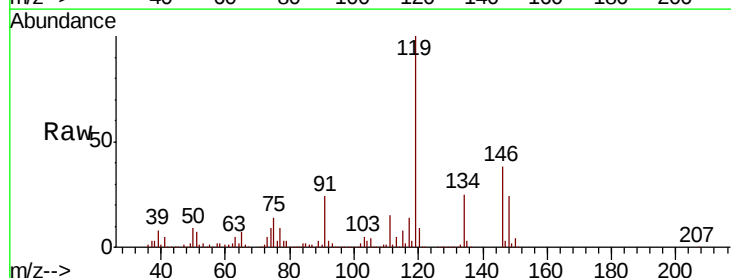
Tgt Ion:119 Resp: 1070214

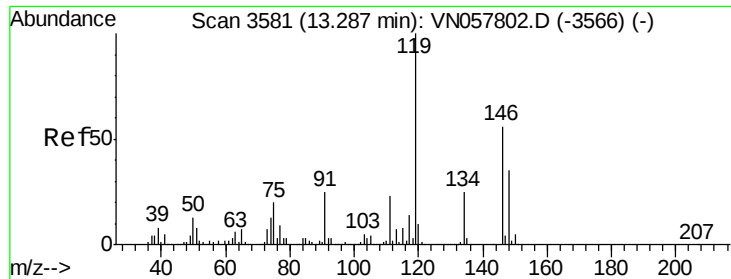
Ion Ratio Lower Upper

119 100

134 25.4 12.5 37.5

91 24.1 12.3 36.8





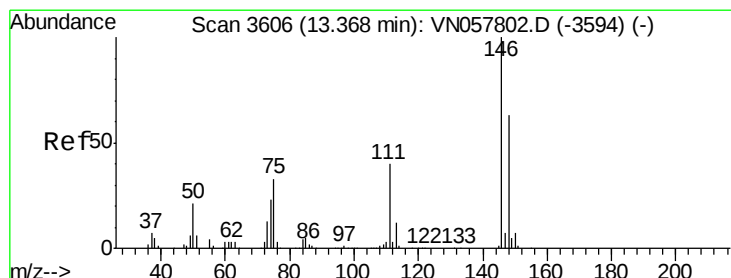
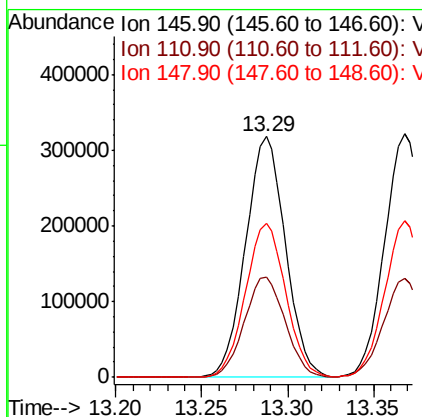
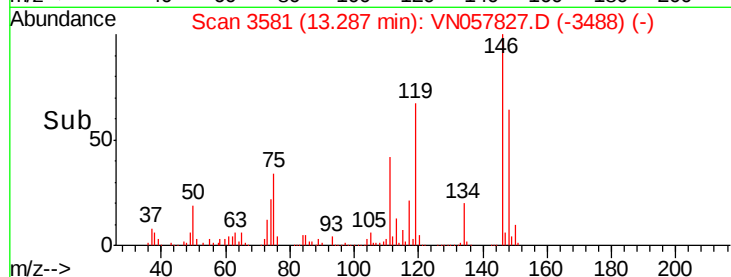
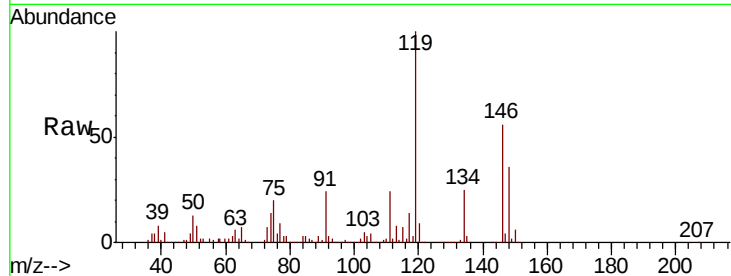
#87
 1,3-Dichlorobenzene
 Concen: 47.084 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.5	61.6
148	64.4	31.5	94.5

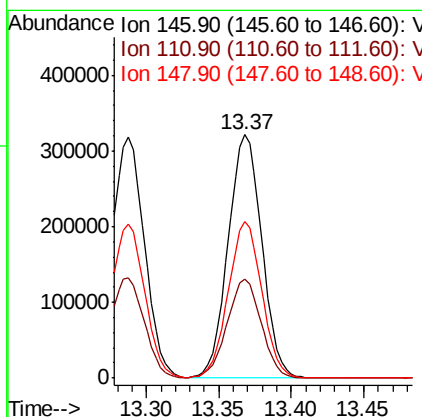
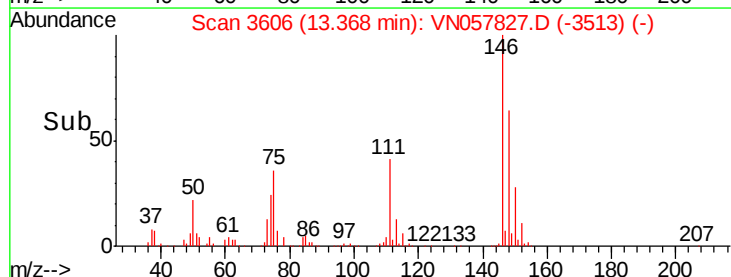
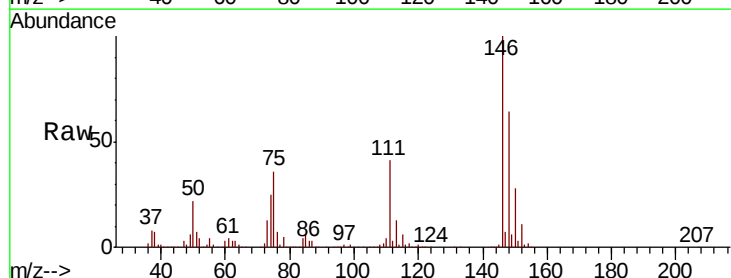
Manual Integrations
 APPROVED

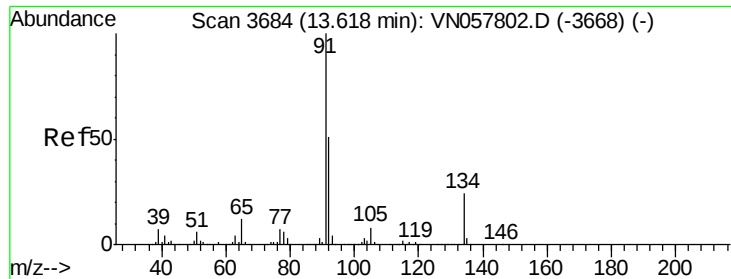
MMDadoda
 9/13/2019 5:16:20 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.044 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.2
148	63.8	31.8	95.4





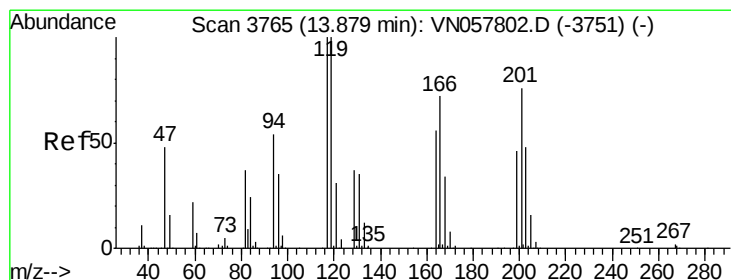
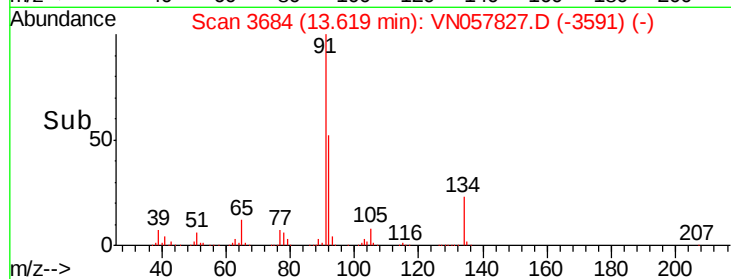
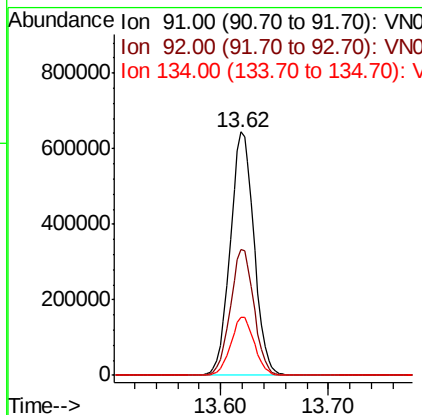
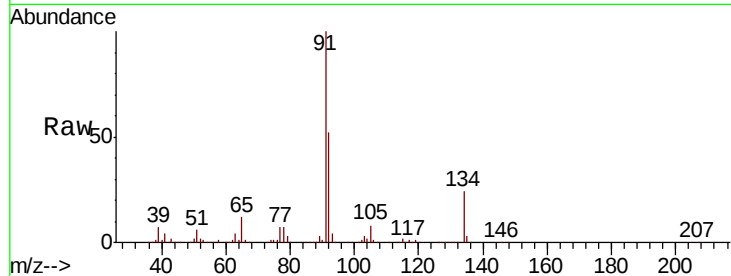
#89
n-Butylbenzene
Concen: 50.346 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.7	77.0
134	23.6	11.9	35.7

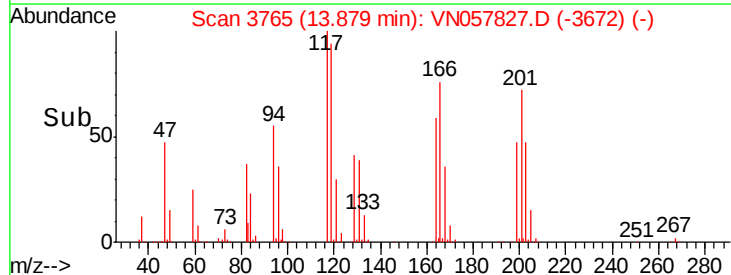
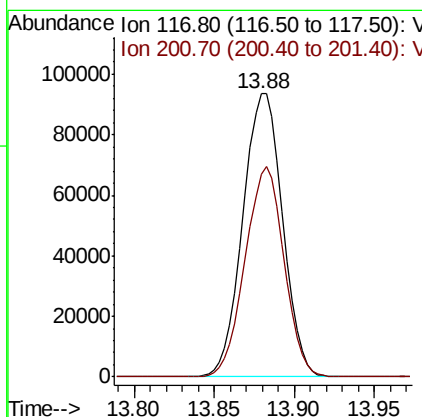
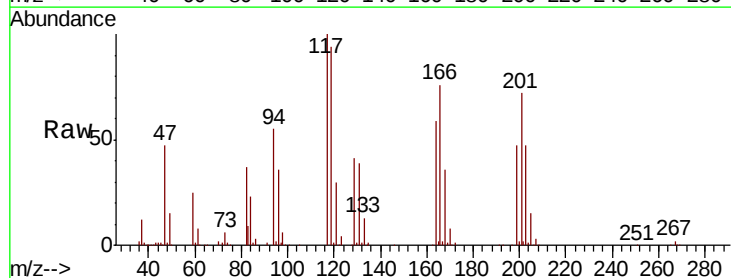
Manual Integrations
APPROVED

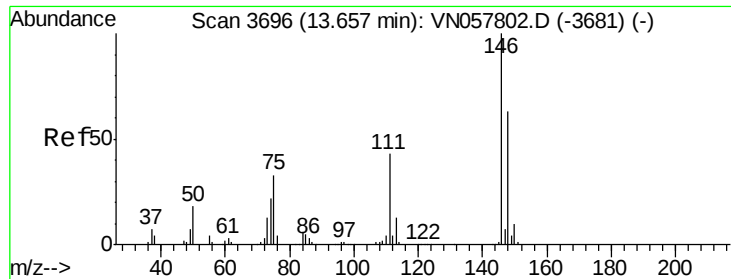
MMDadoda
9/13/2019 5:16:20 AM



#90
Hexachloroethane
Concen: 51.121 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057827.D
Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.9	37.5	112.7





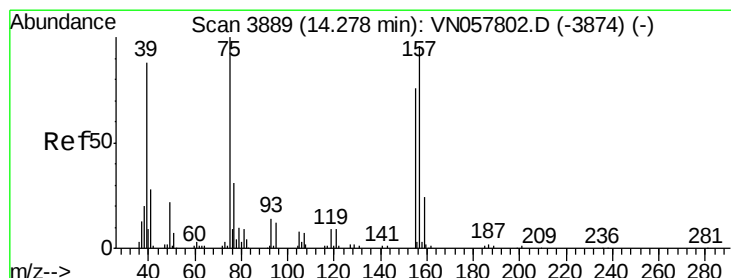
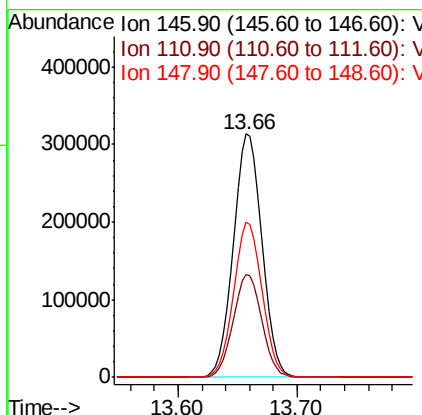
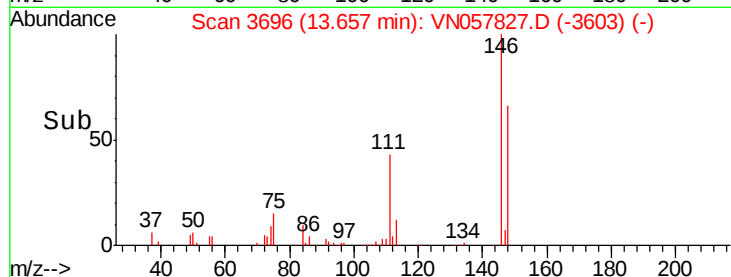
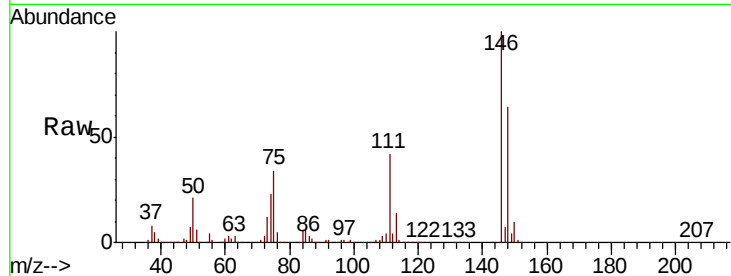
#91
 1,2-Dichlorobenzene
 Concen: 48.146 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.9
148	63.3	31.4	94.3

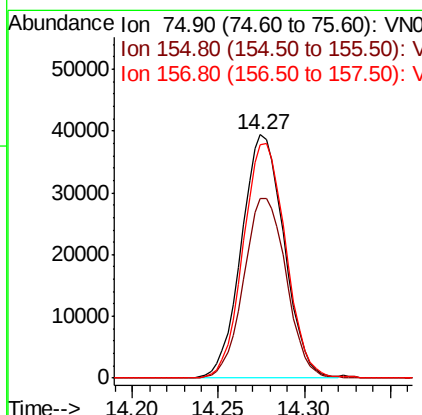
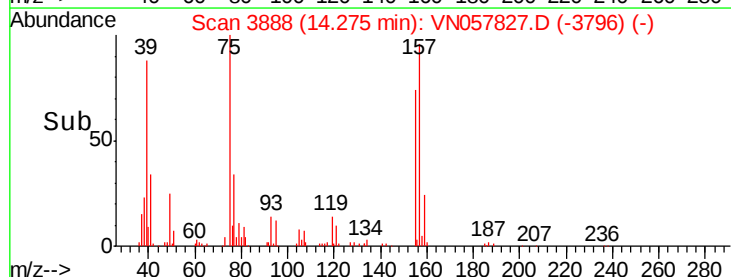
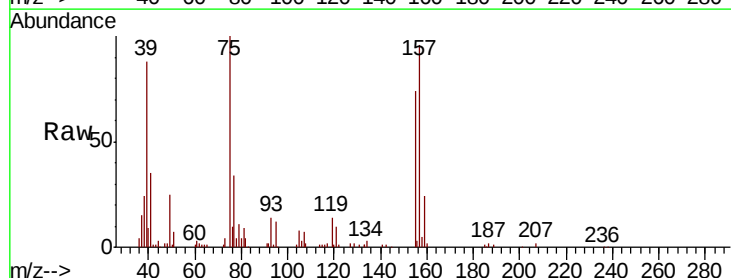
Manual Integrations
 APPROVED

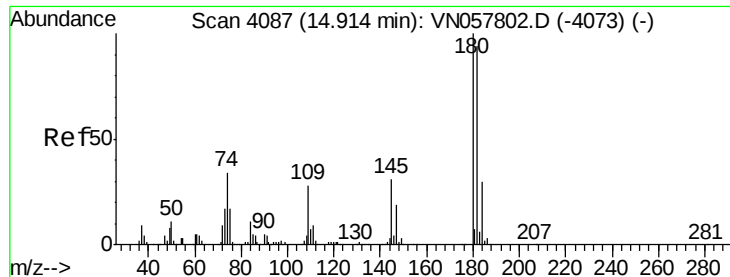
MMDadoda
 9/13/2019 5:16:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.486 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.4	37.3	111.8
157	96.0	47.9	143.8





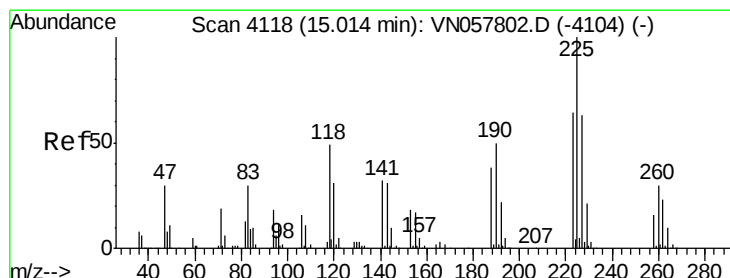
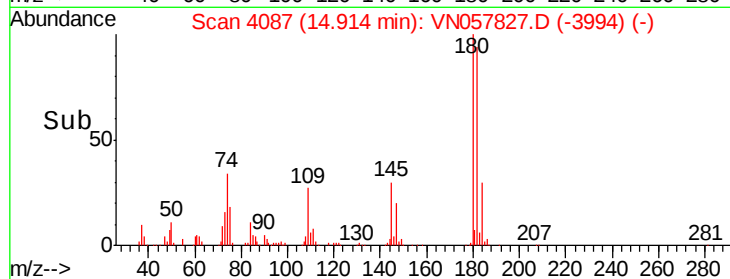
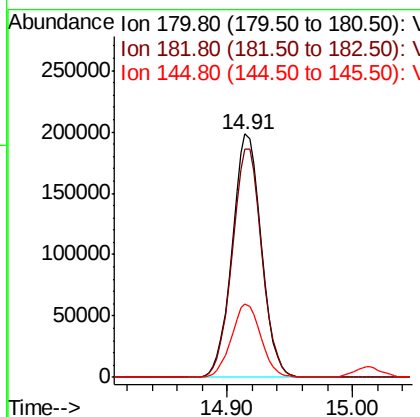
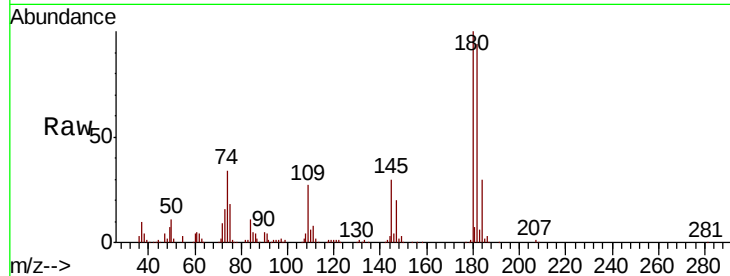
#93
 1,2,4-Trichlorobenzene
 Concen: 44.968 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	319150		
182	95.6	46.9	140.8	
145	30.7	14.9	44.7	

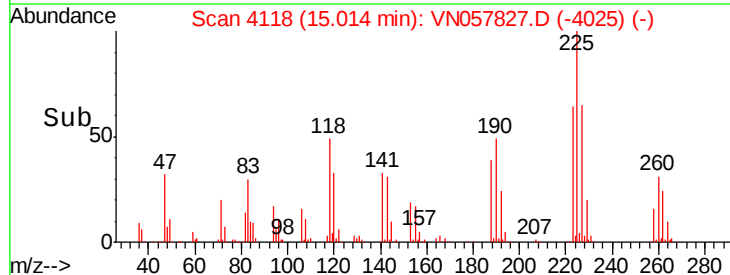
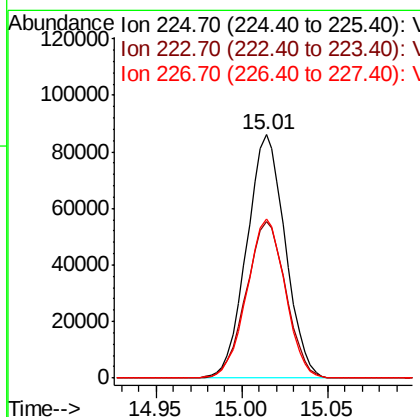
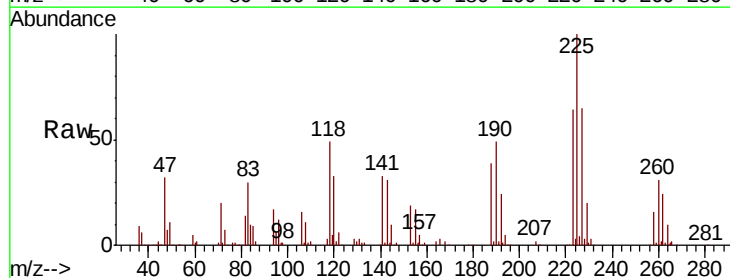
Manual Integrations
 APPROVED

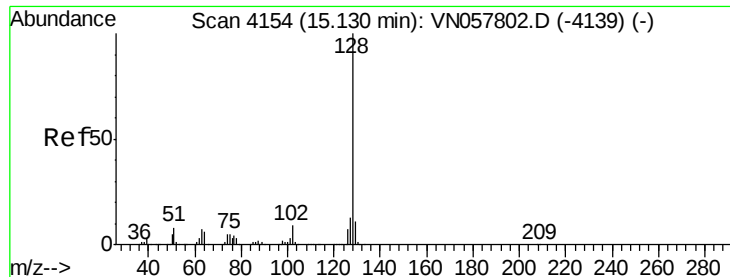
MMDadoda
 9/13/2019 5:16:20 AM



#94
 Hexachlorobutadiene
 Concen: 44.340 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057827.D
 Acq: 10 Sep 2019 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133400		
223	66.2	32.4	97.2	
227	65.1	31.8	95.4	





#95

Naphthalene

Concen: 51.242 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Instrument :

MSVOA_N

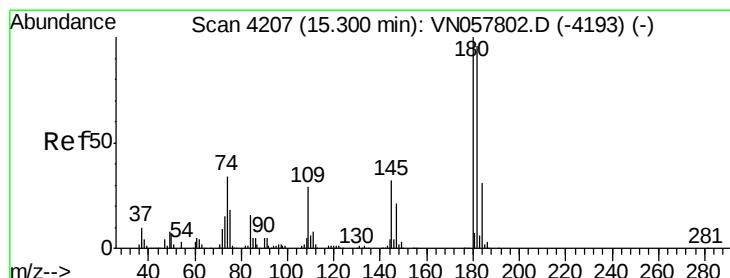
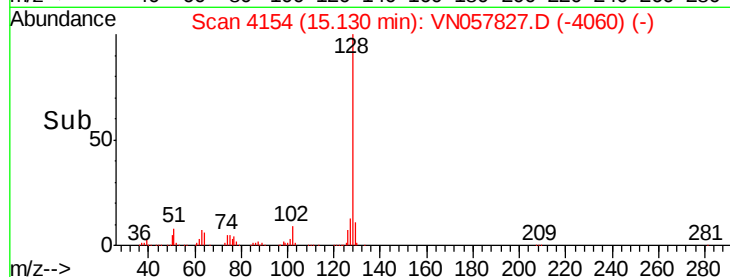
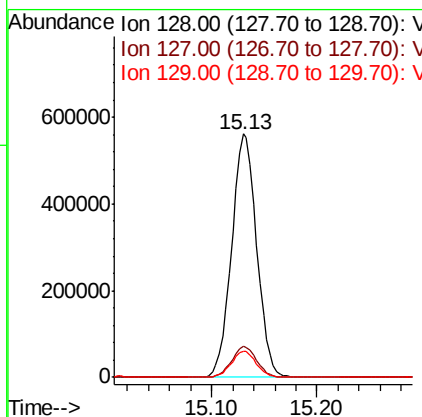
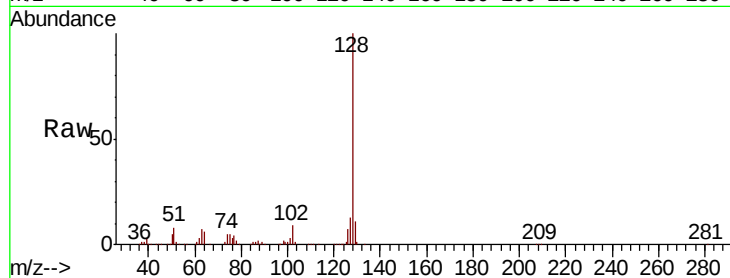
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	917421
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:16:20 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.036 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057827.D

Acq: 10 Sep 2019 1:22

Tgt Ion:	180	Resp:	303701
Ion Ratio	Lower	Upper	
180	100		
182	94.1	48.3	144.8
145	32.8	16.3	48.8

